



A Cased Hole Wireline Company

CEMENT BOND LOG
GAMMA-RAY
CCL

Company BLACK HILLS PLATEAU
Well HDU 9-11AH
Field SOUTH SHALE RIDGE
County GARFIELD State COLORADO

Location: API # : 05-045-21932
Permanent Datum SEC S9 TWP 8S RGE 98W
Log Measured From GROUND LEVEL Elevation 5524'
Drilling Measured From KELLY BUSHING
Other Services
NONE
Elevation
K.B. 5549'
D.F. 5550'
G.L. 5549'

Company BLACK HILLS PLATEAU PRODUCTION, LLC
Well HDU 9-11AH
Field SOUTH SHALE RIDGE
County GARFIELD
State COLORADO

Date 30-JUNE-2015

Run Number	ONE
Depth Driller	18,851'
Depth Logger	16,900'
Bottom Logged Interval	16,900'
Top Log Interval	6100'
Open Hole Size	
Type Fluid	WATER
Density / Viscosity	8.35#
Max. Recorded Temp.	
Estimated Cement Top	6750'
Time Well Ready	ROA
Time Logger on Bottom	2:00AM
Equipment Number	142
Location	GRAND JUNCTION
Recorded By	V. AVILA
Witnessed By	MR. MIKE DURHAM

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	10 3/4"	40.5#		
Prot. String				
Production String				
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 BOTTOM HOLE SHORT JOINT
VIA DRILLING RIG PIPE TALLY
LOG PUMPED DOWN TO DEPTH AND RECORDED WITH PUMPING 2 BBL PER MIN



MAIN PASS 3300 PSI 2BBL PER MIN

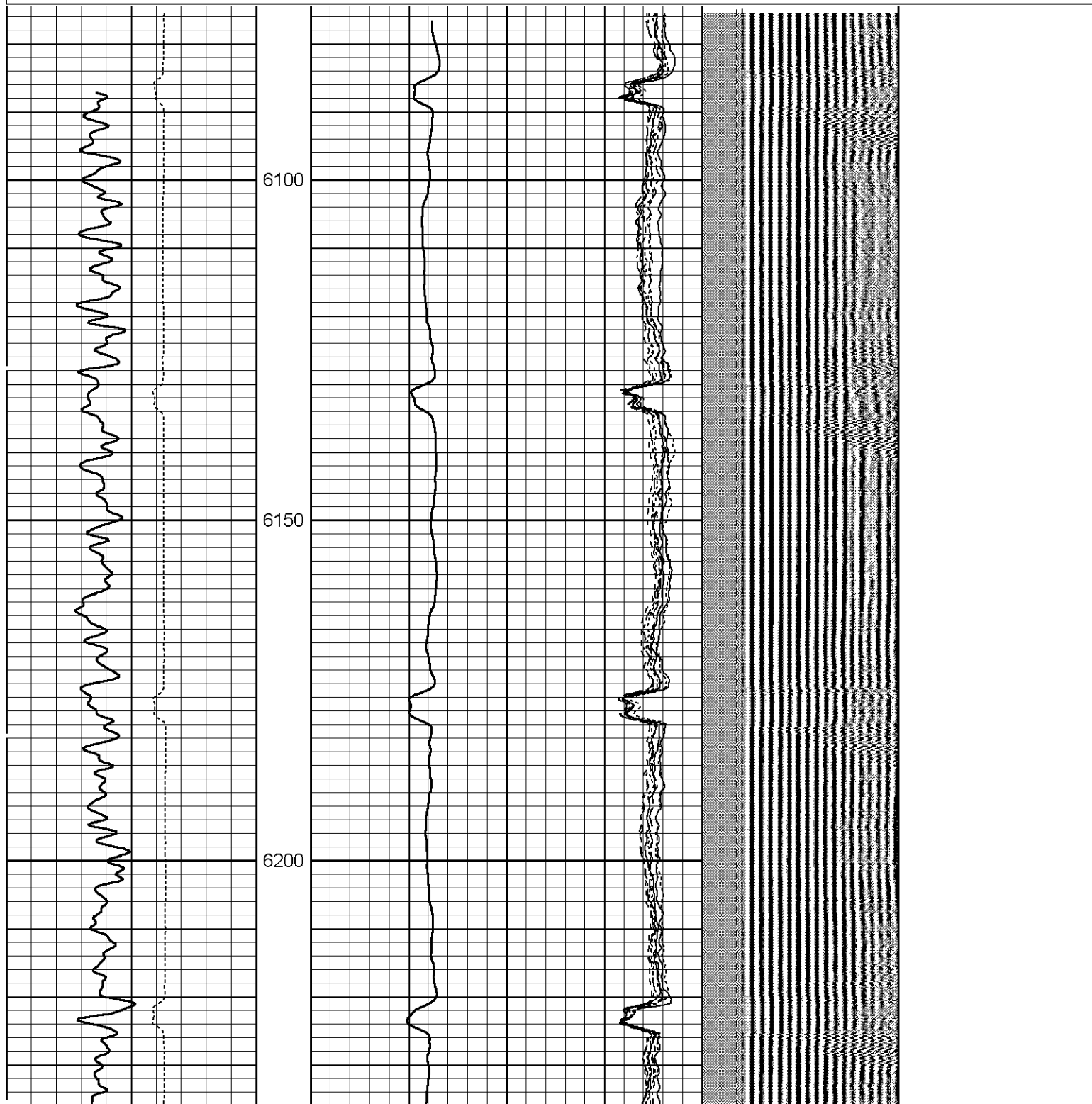
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Dataset Pathname: merge1
Presentation Format: rbl55
Dataset Creation: Tue Jun 30 11:21:01 2015
Charted by: Depth in Feet scaled 1:240

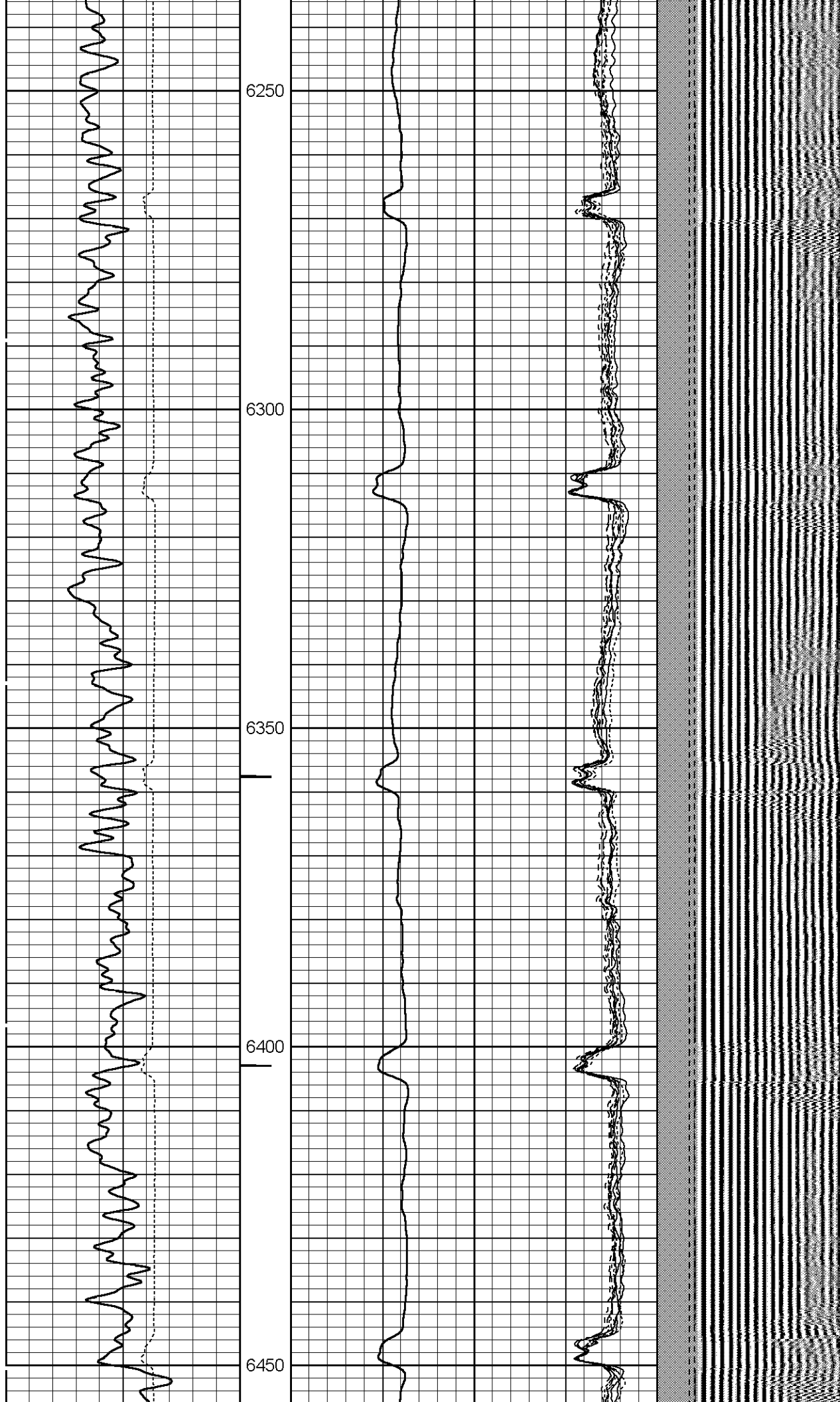
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0	GR (GAPI)	150
0	LTEN (lb)	4000

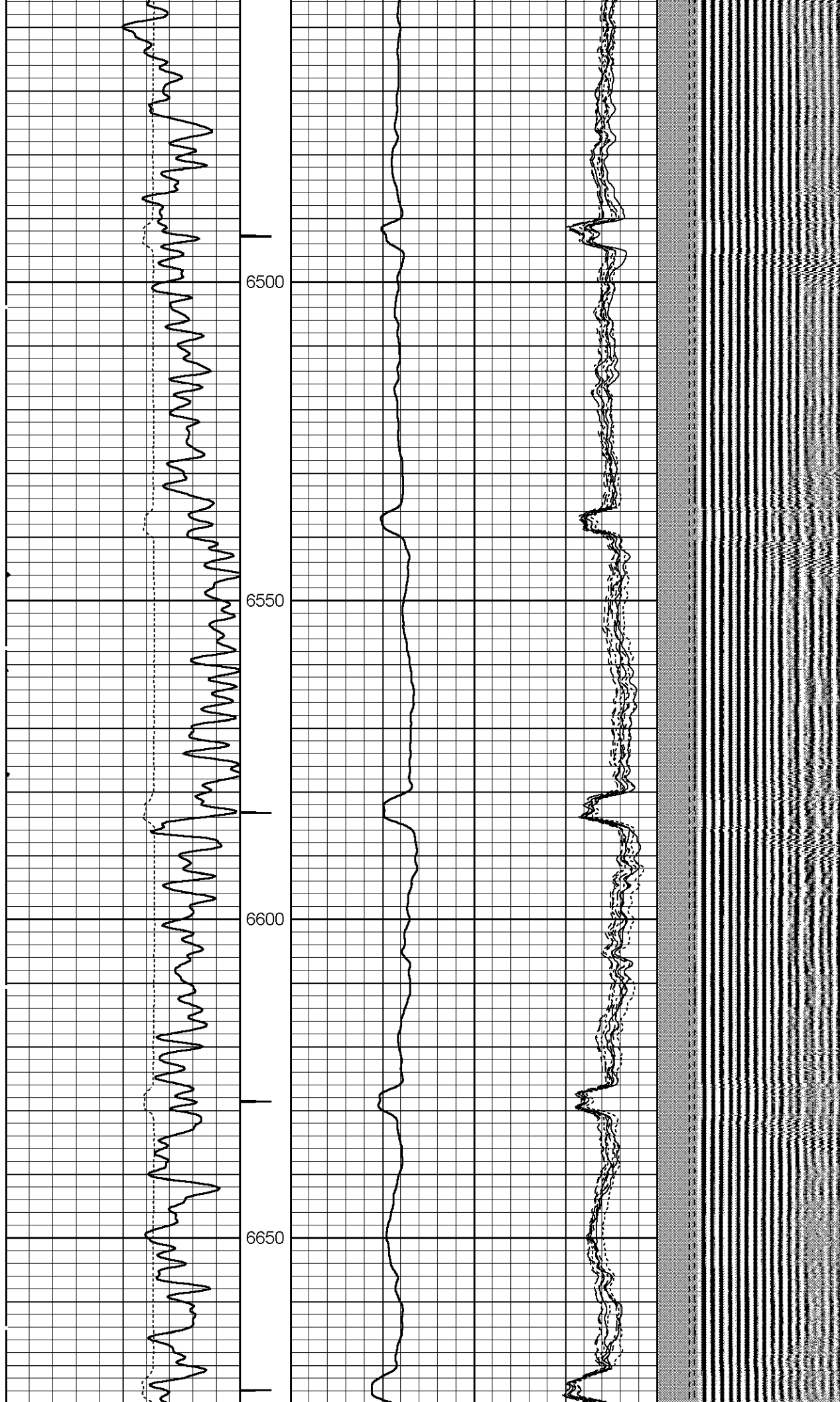
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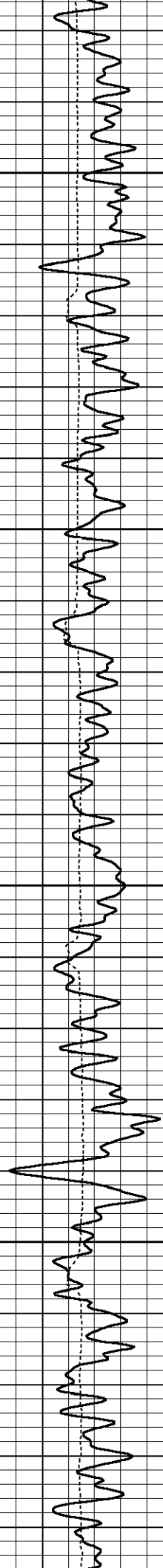
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	Amplified Amplitude		-5	AMPS3	150
0	(mV)	10	-5	AMPS4	150
			-5	AMPS5	150
			-5	AMPS6	150
			-5	AMPS7	150
			-5	AMPS8	150
			-5	AMPS1	150

200	VDL	1200	Cement Map
			1 80
Free Pipe Gate			







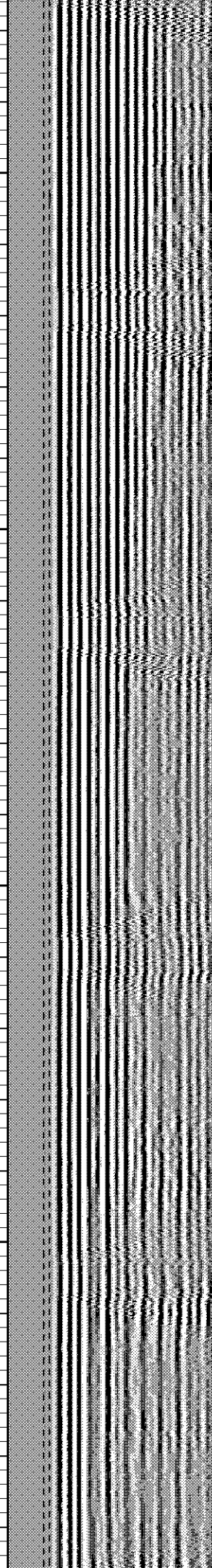
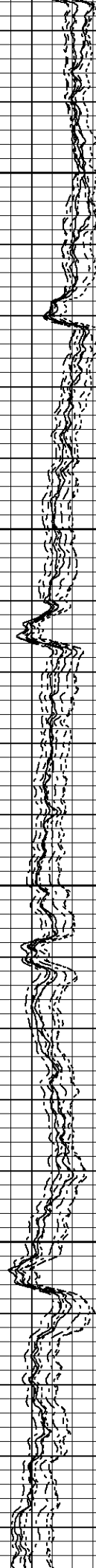
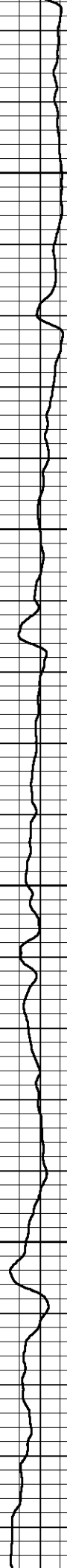


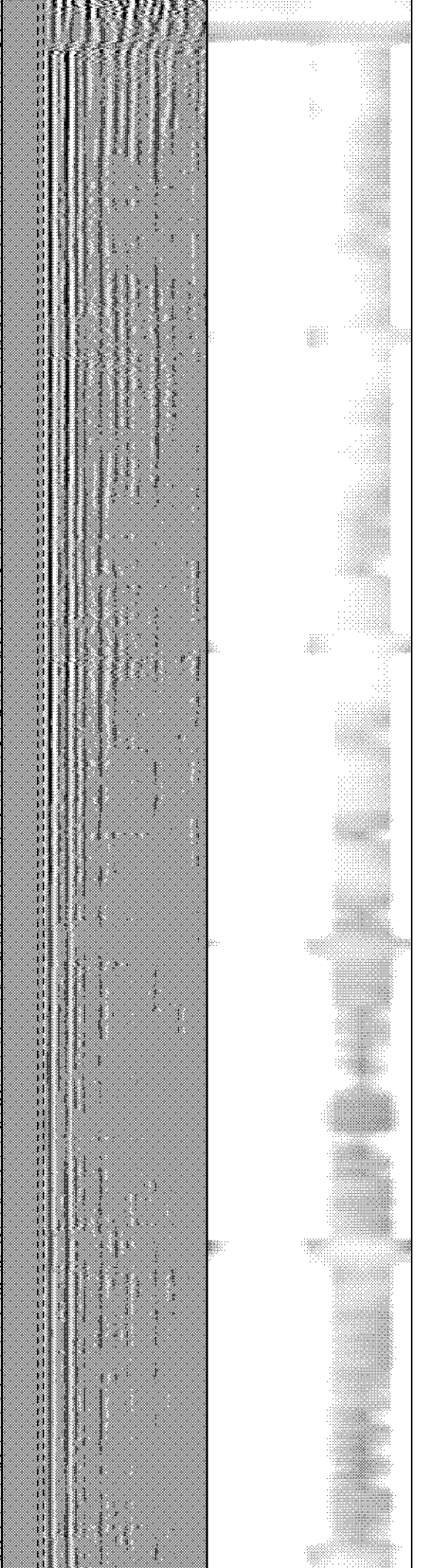
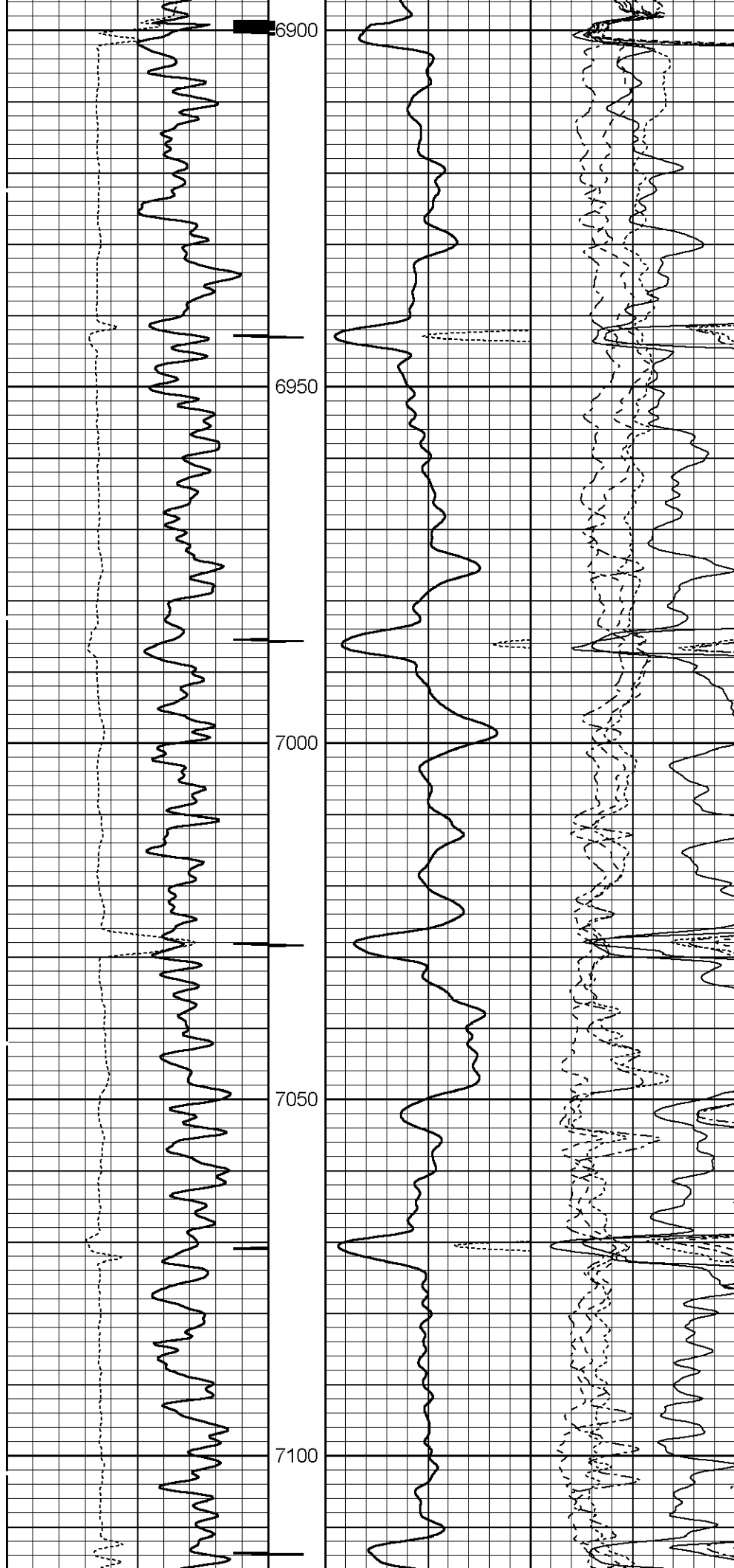
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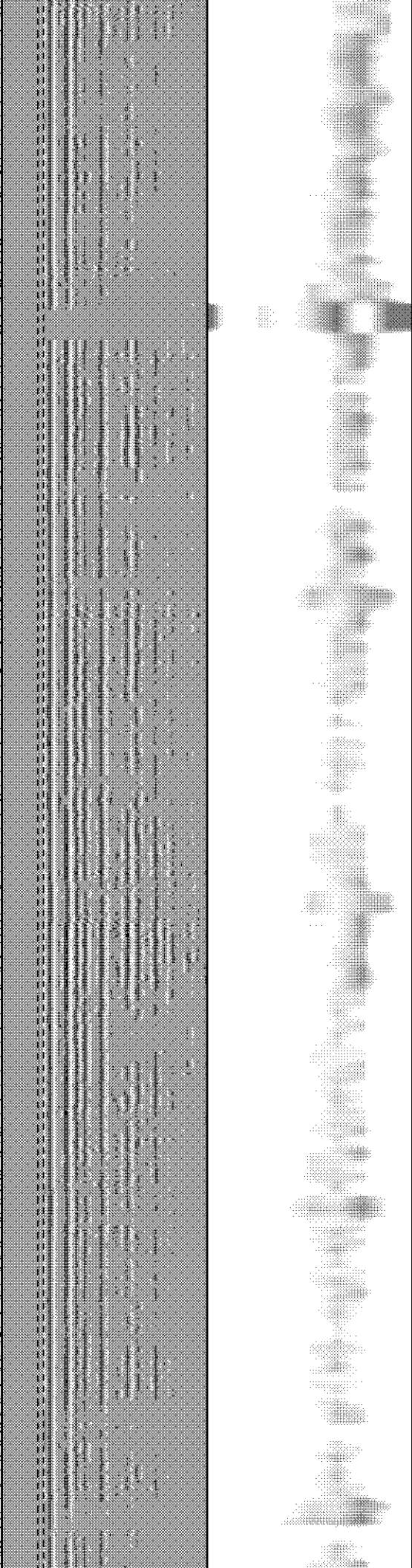
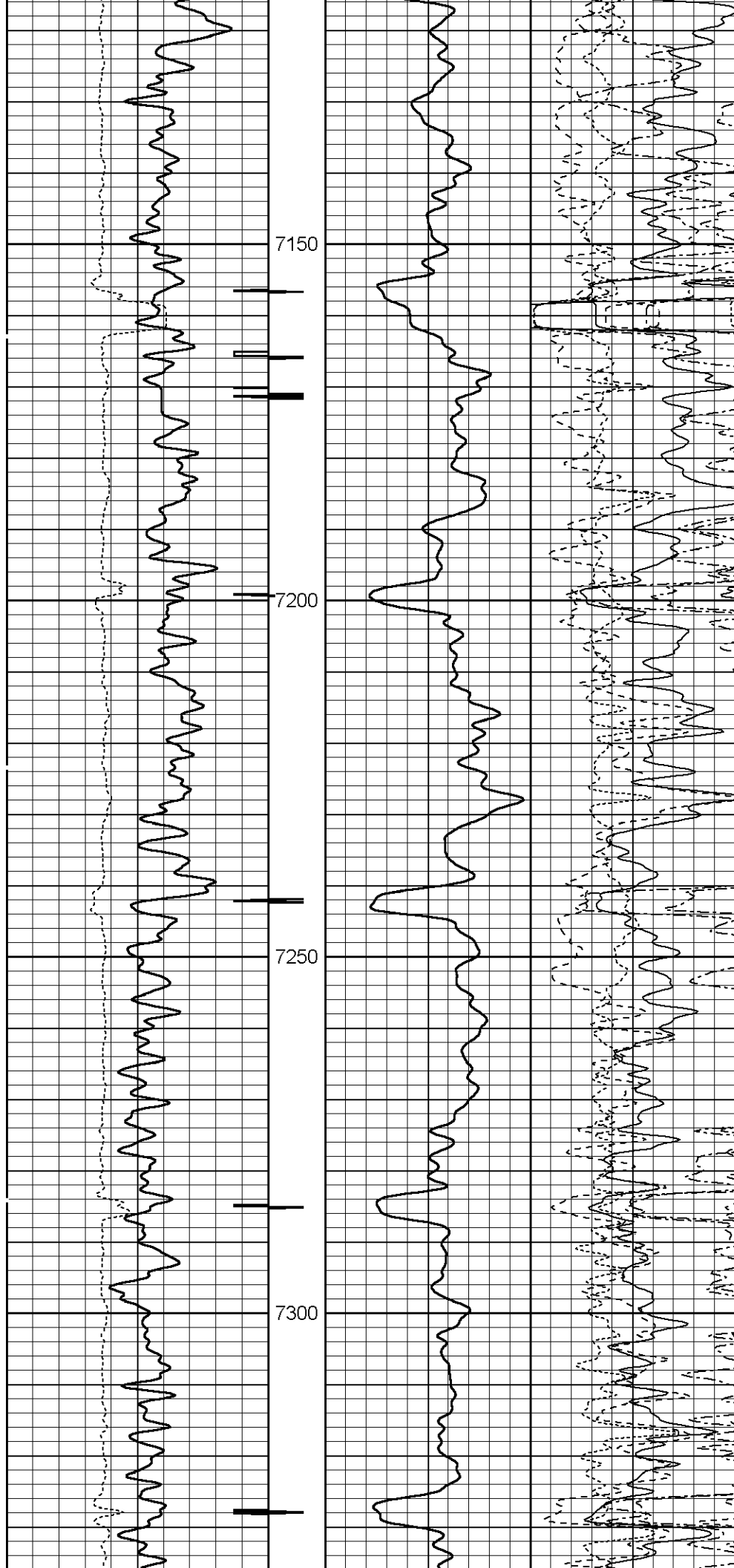
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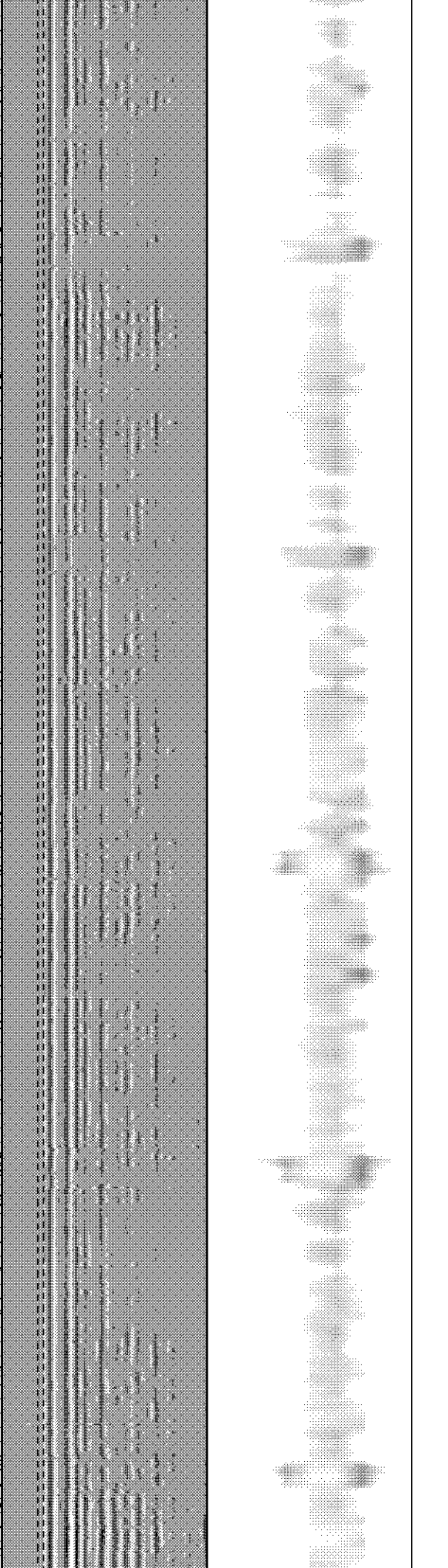
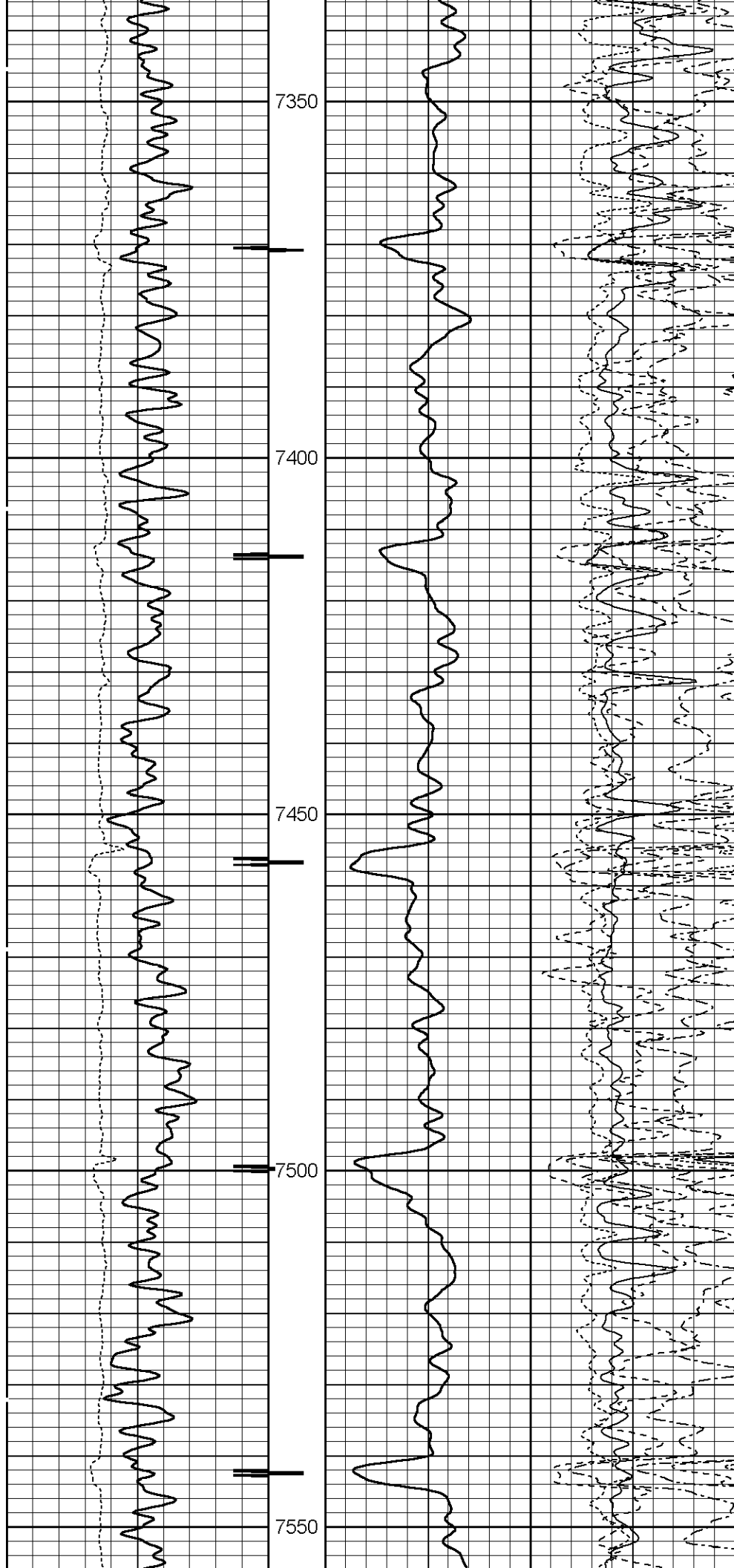
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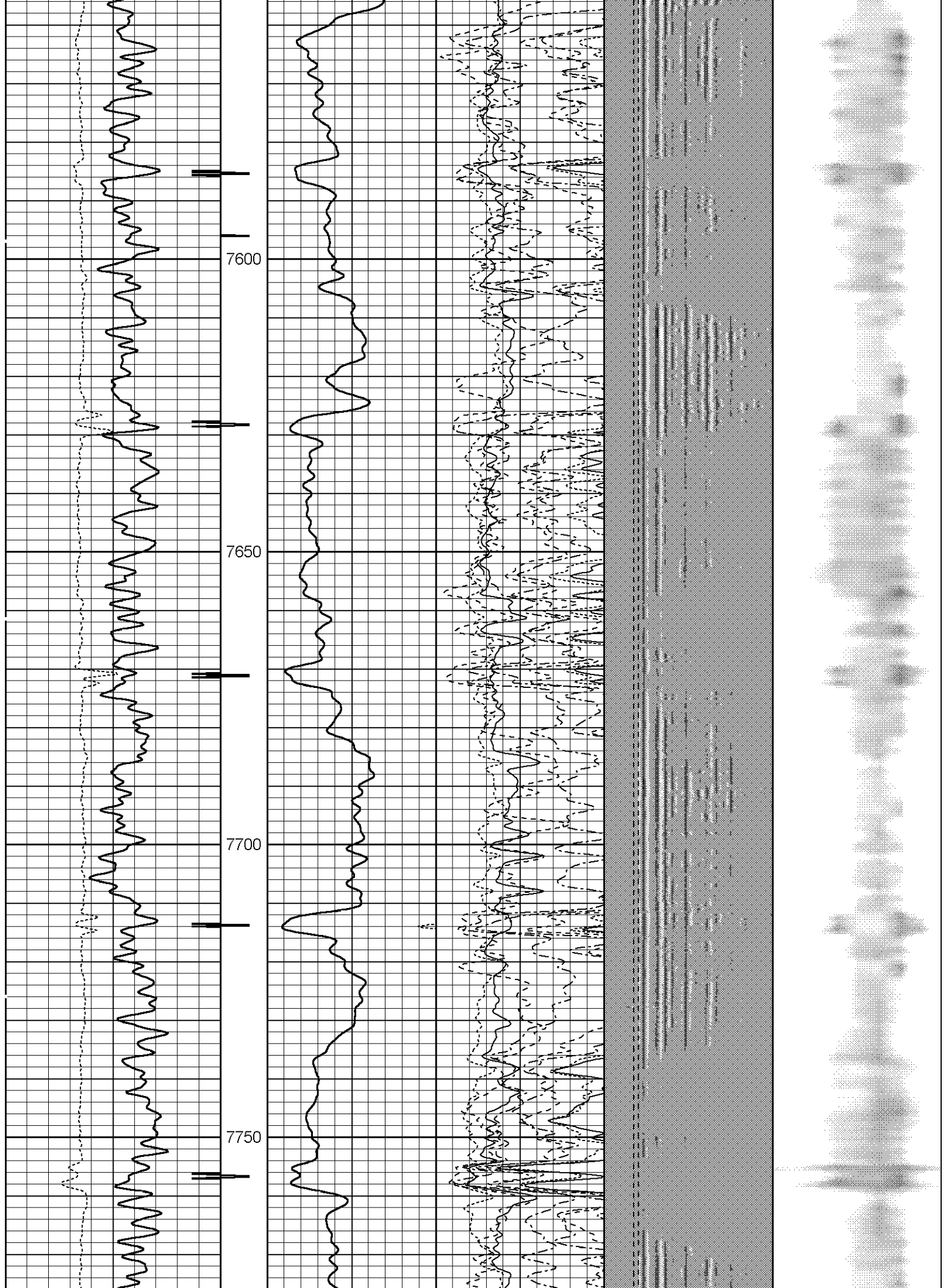
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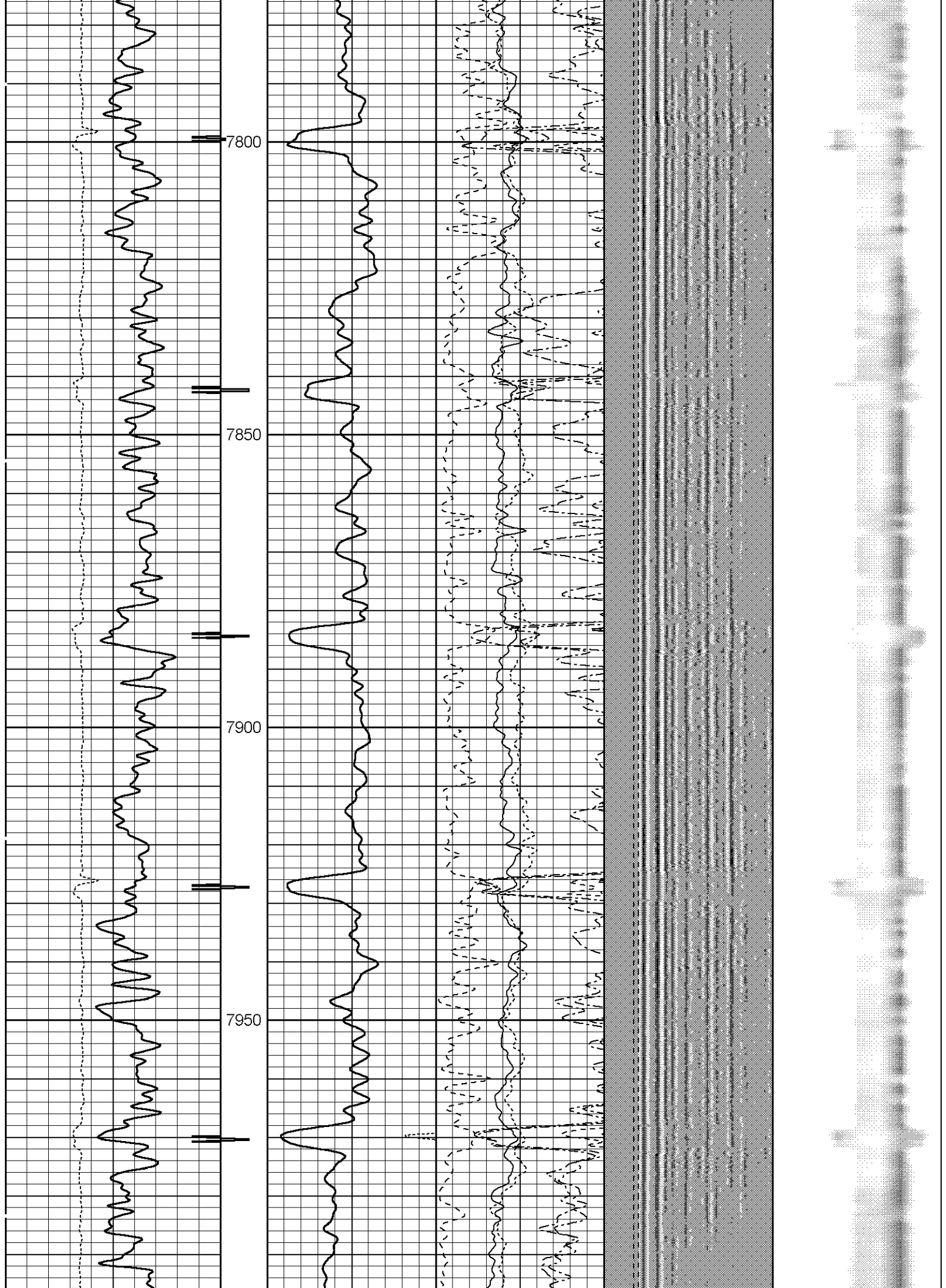


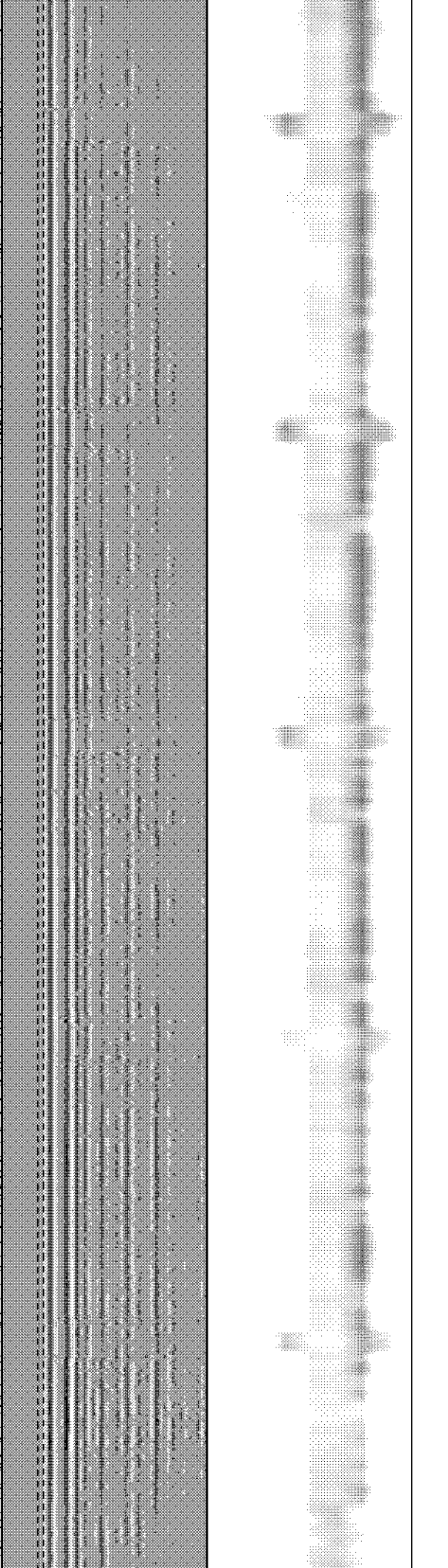
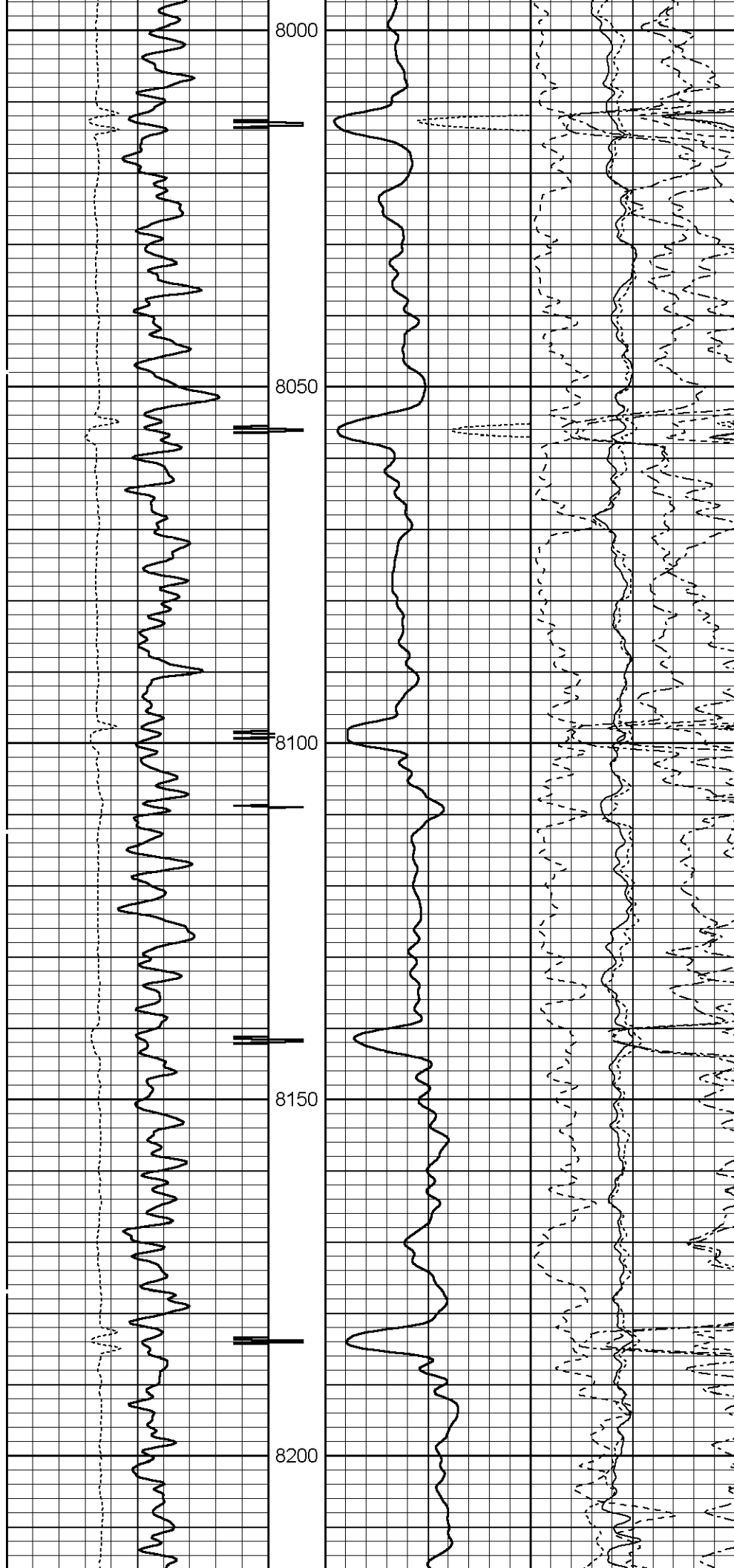


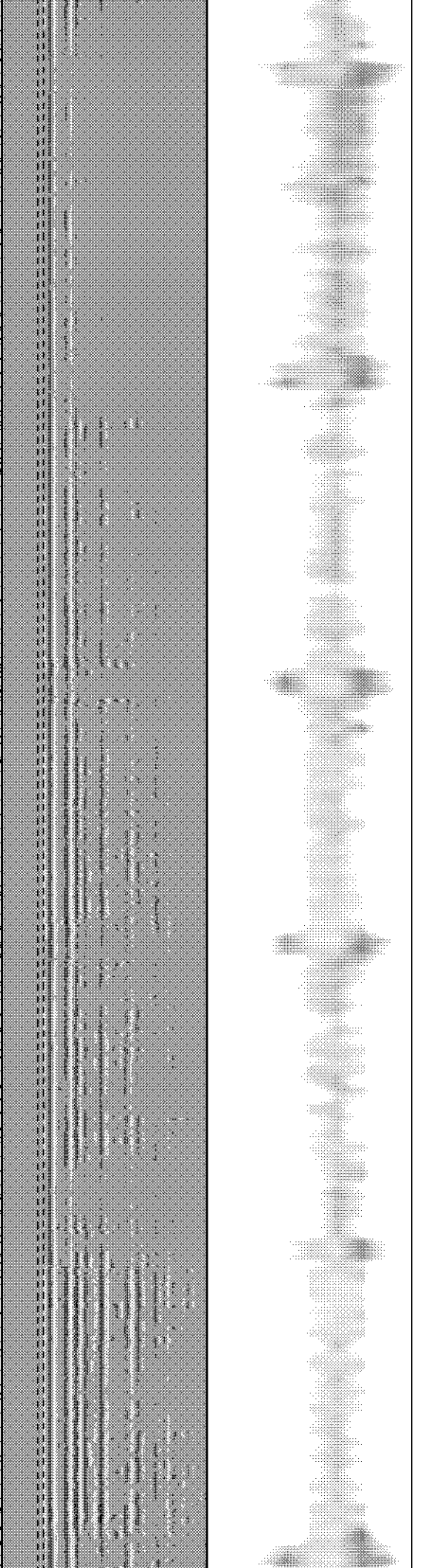
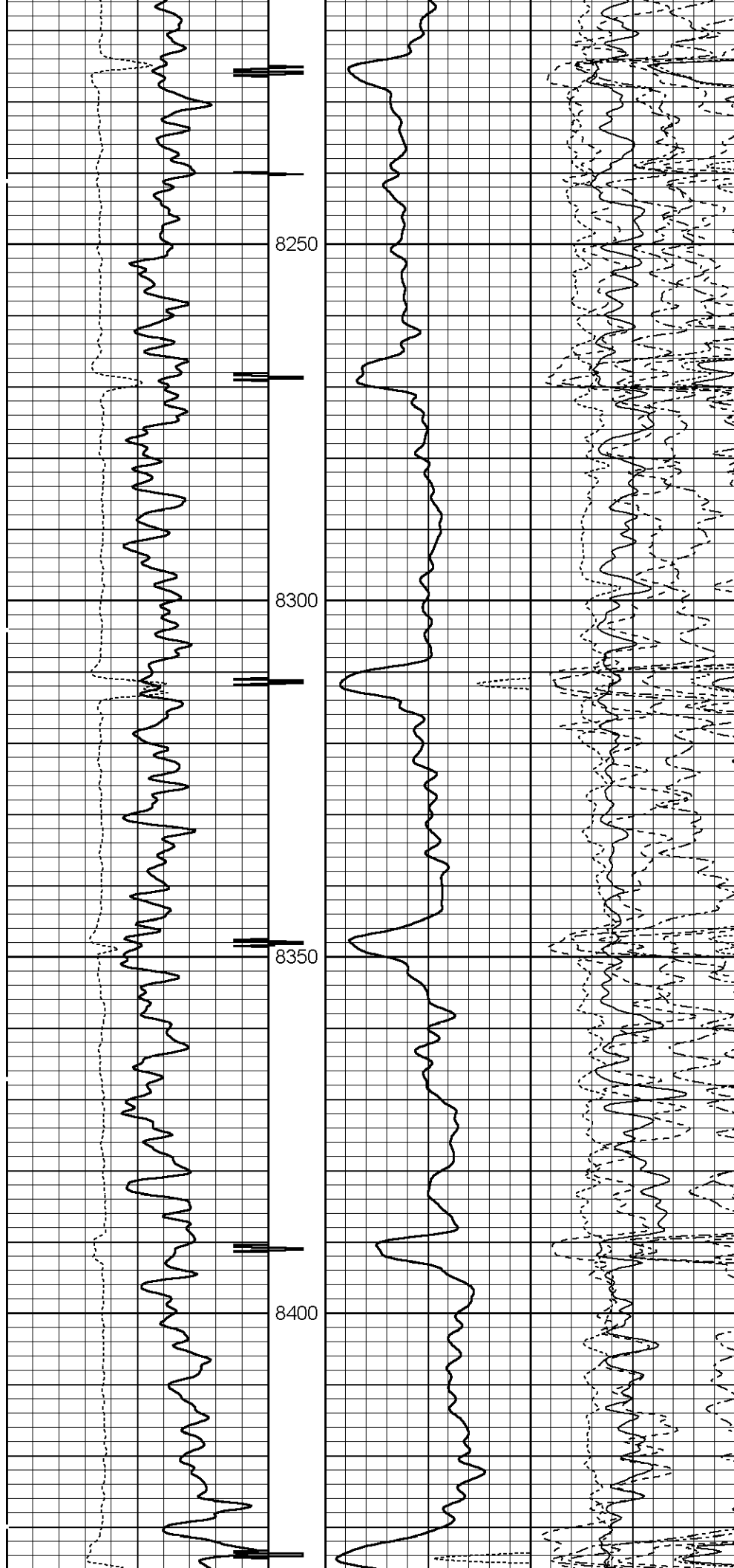


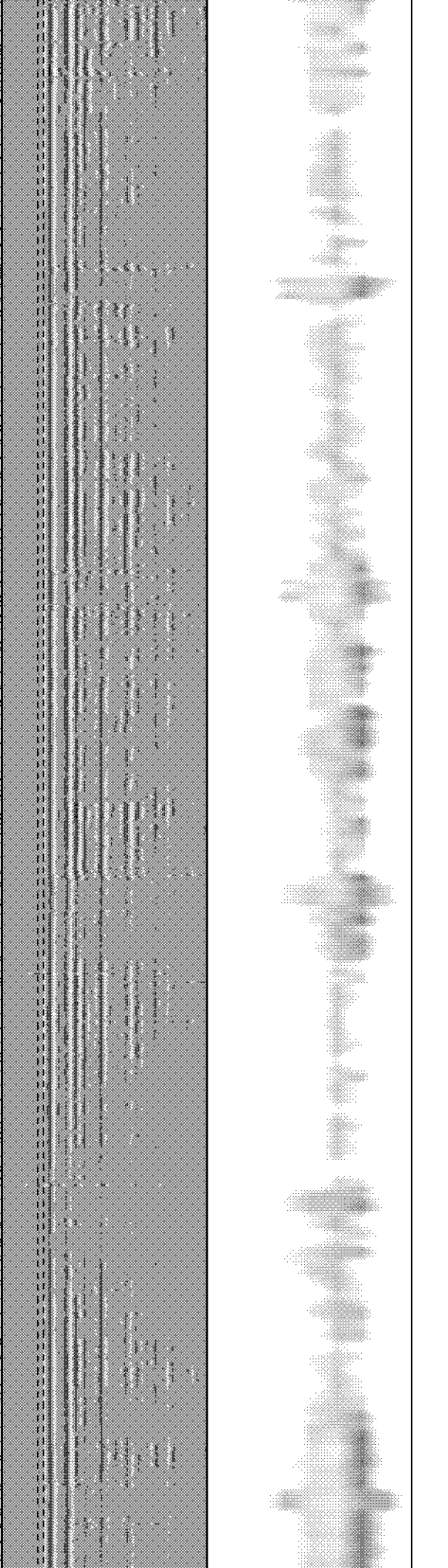
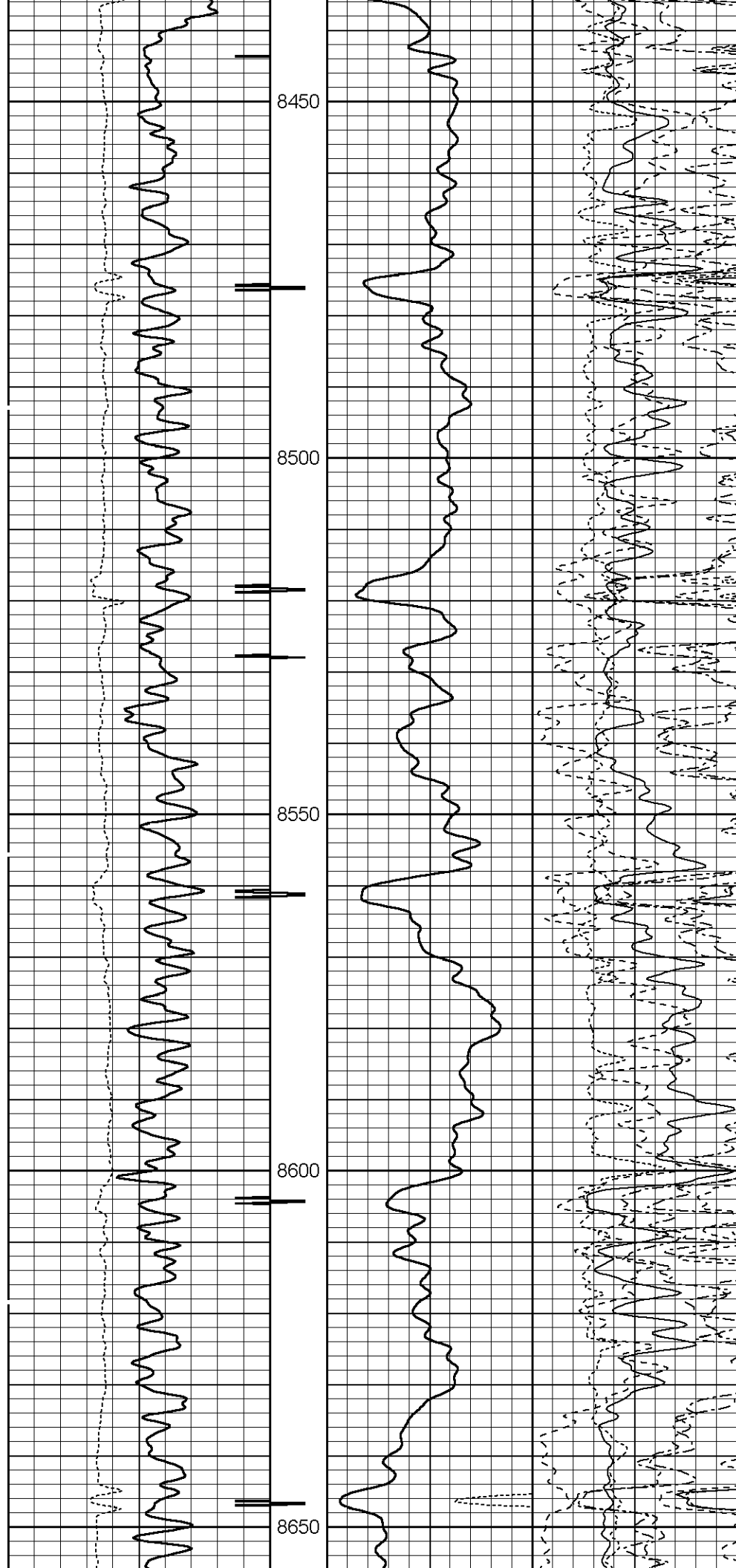


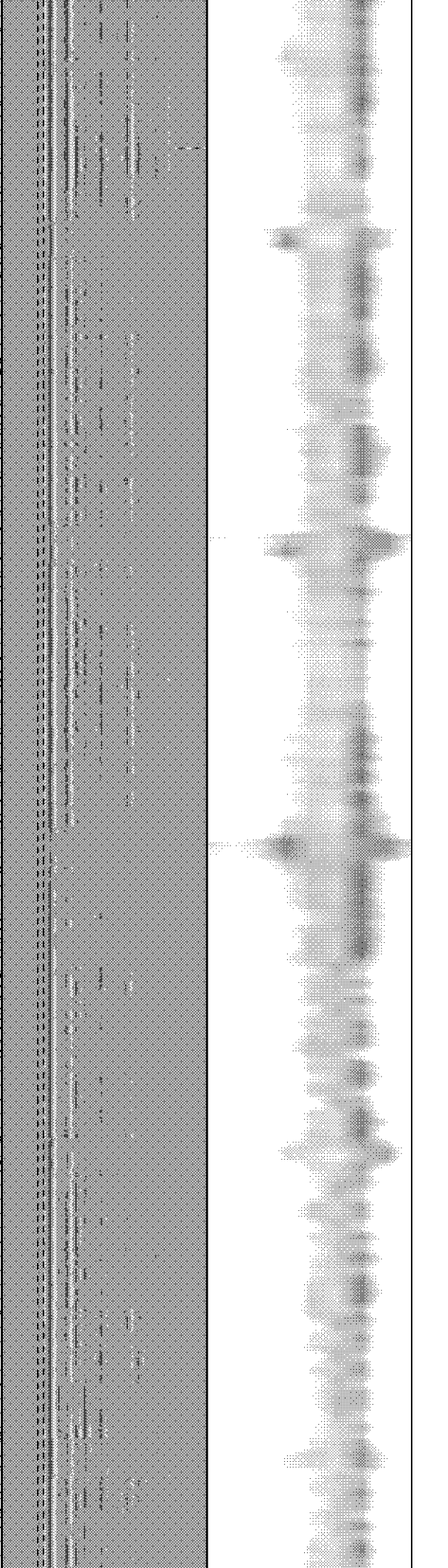
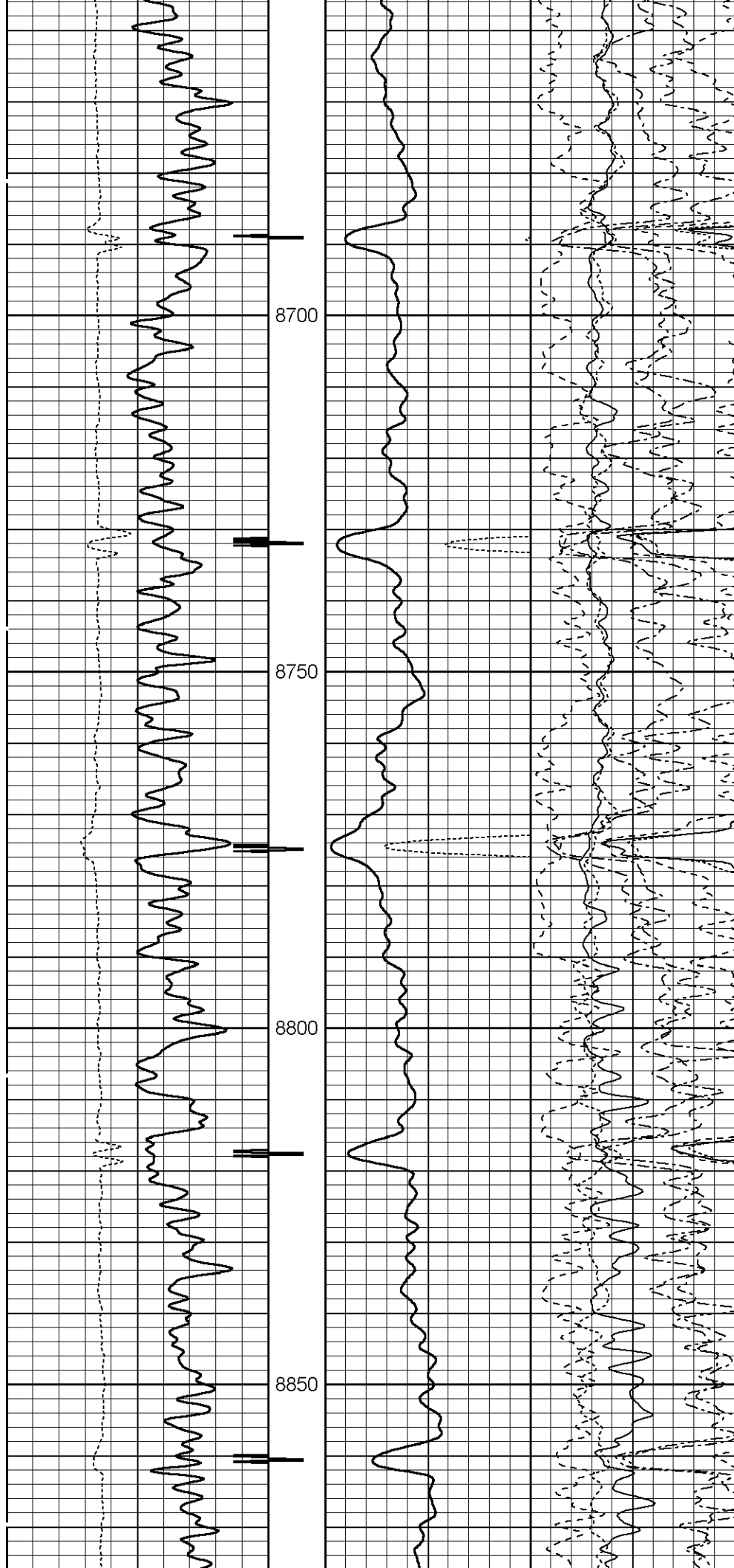


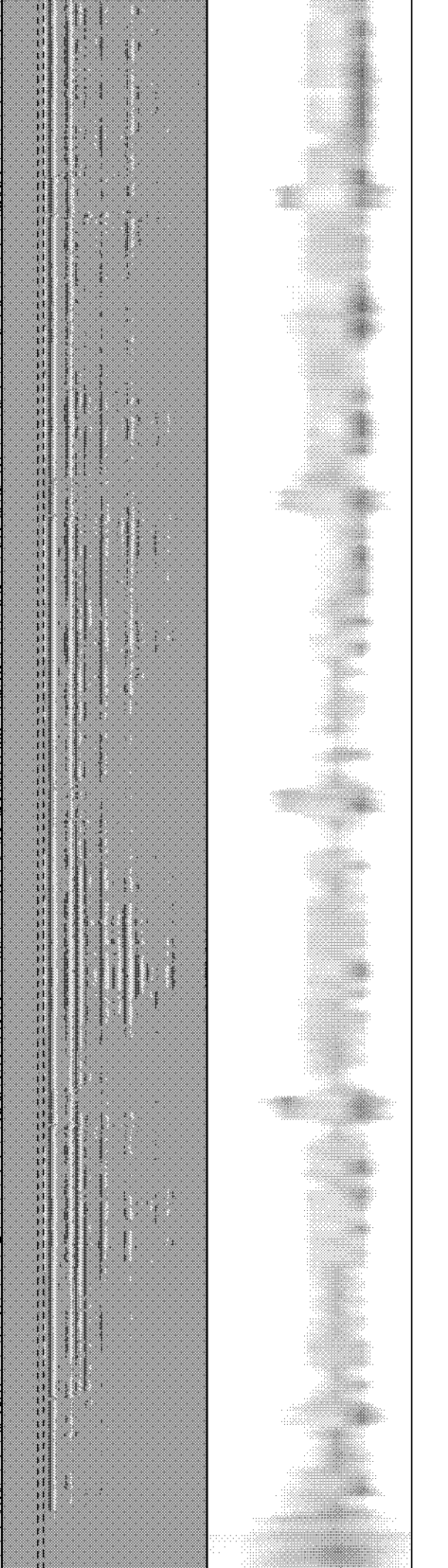
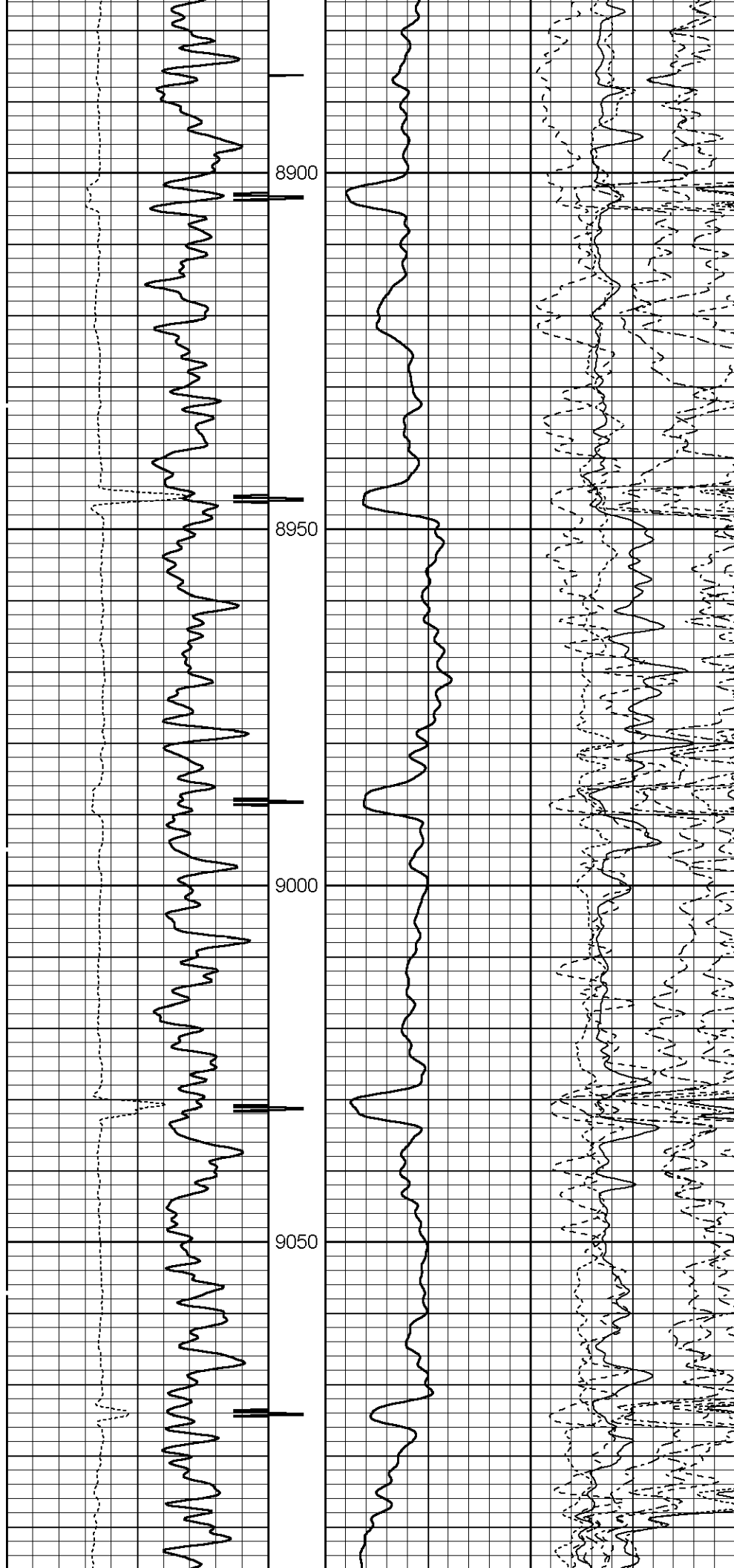


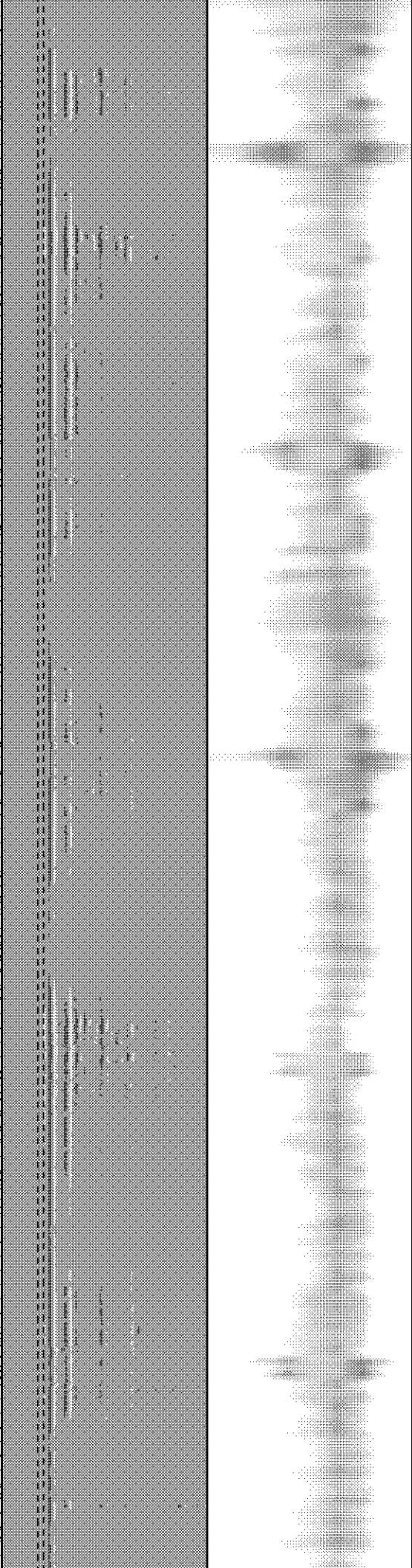
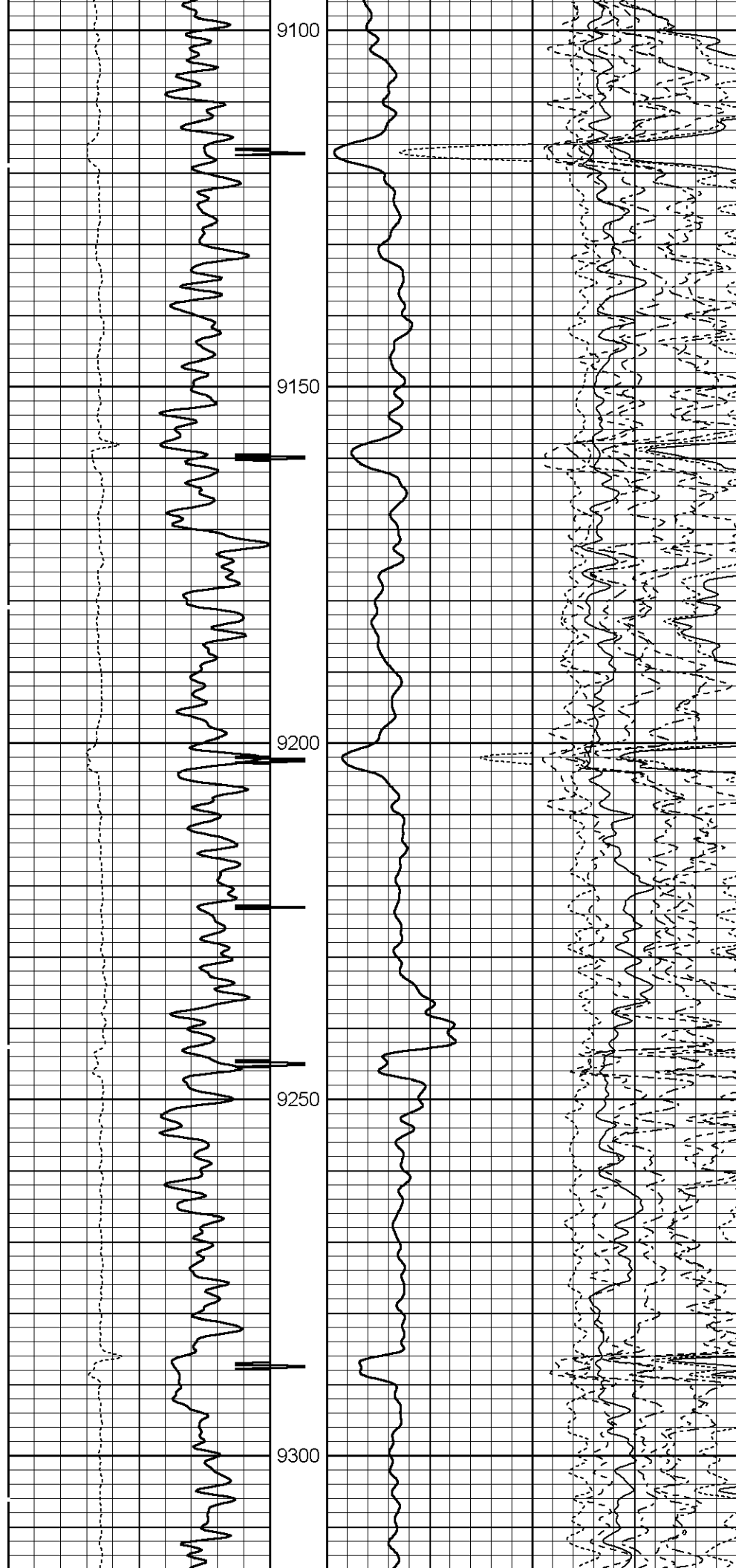


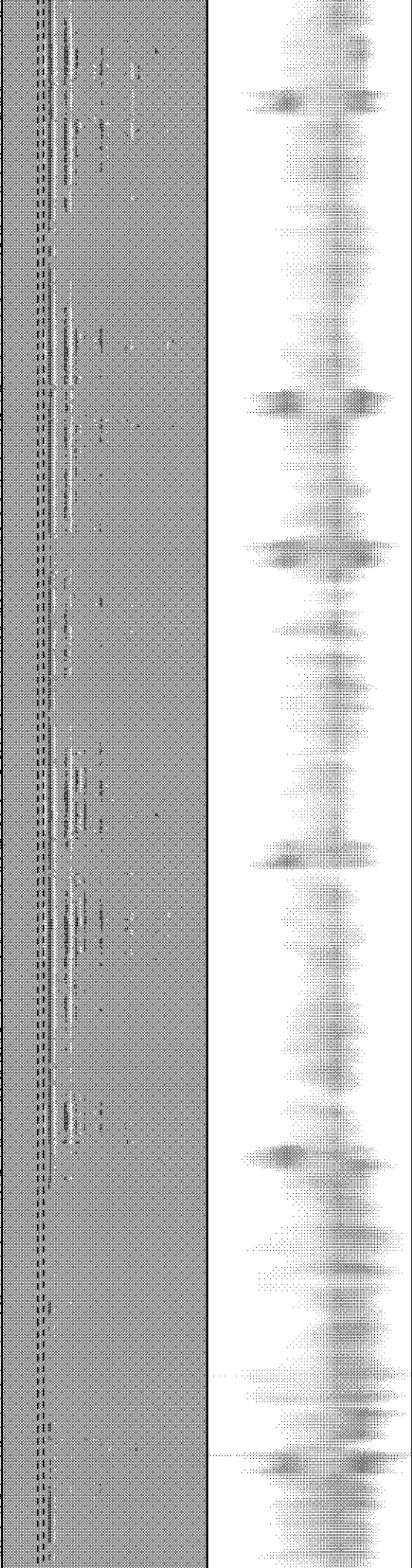
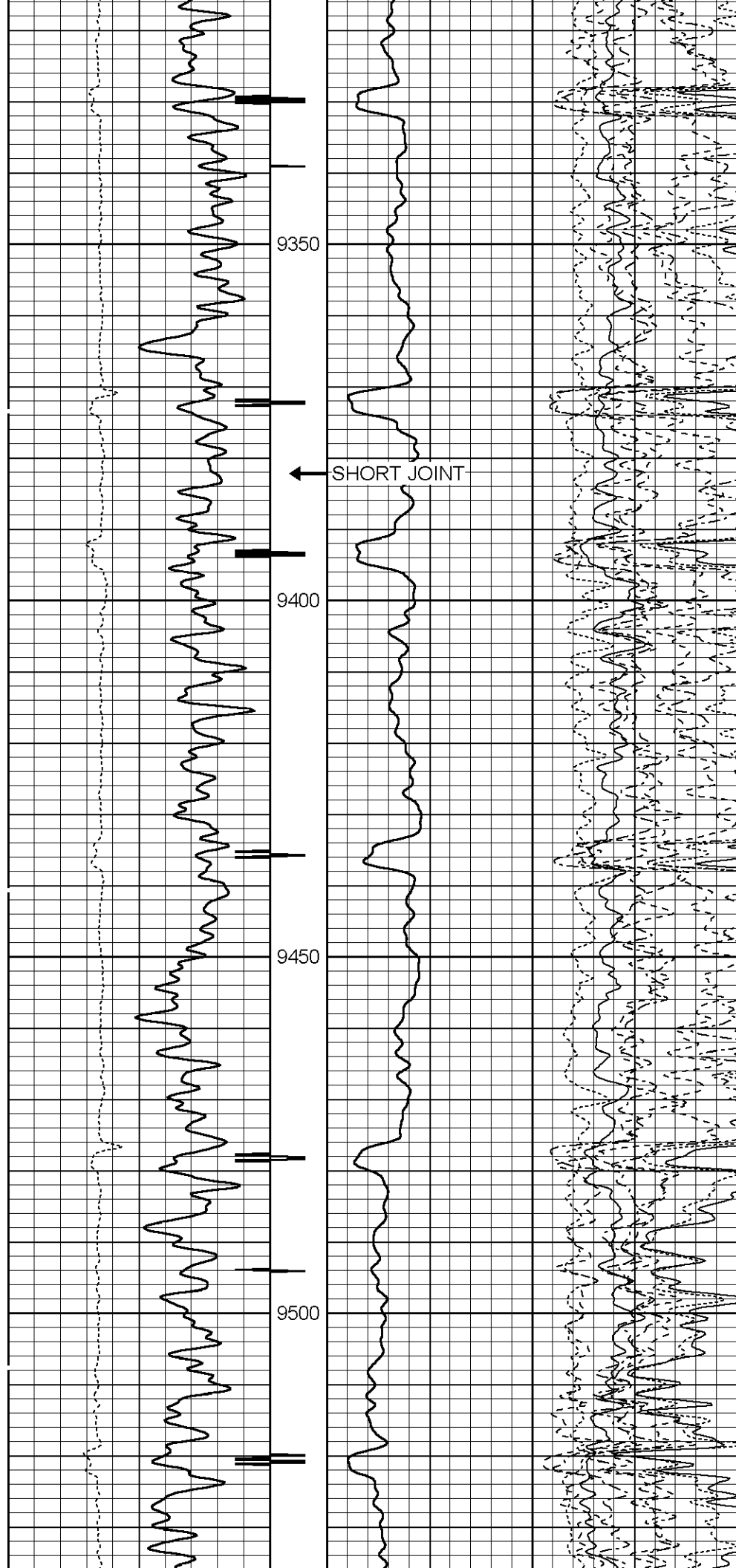


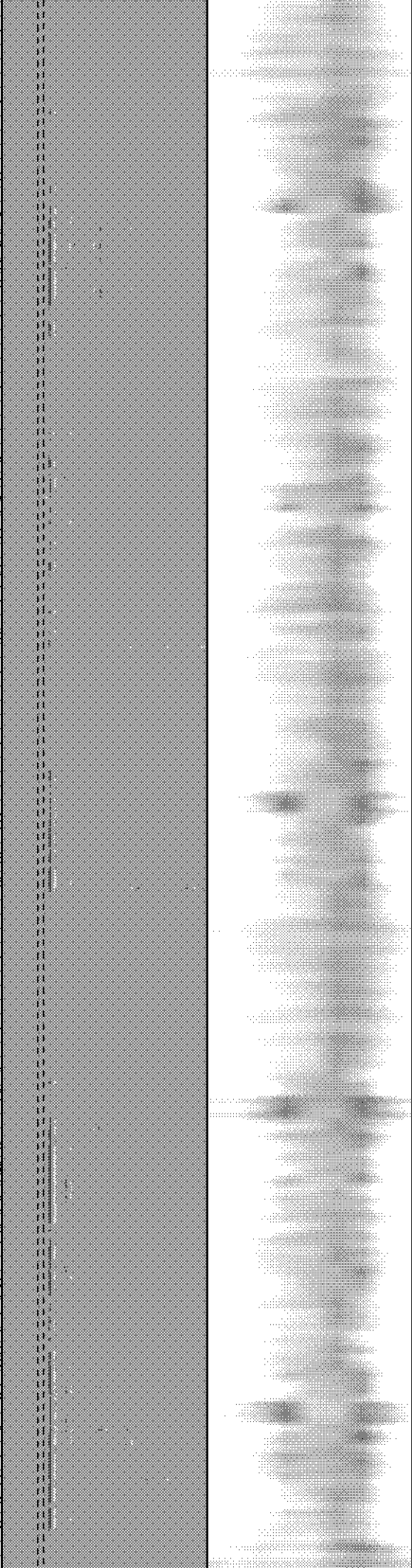
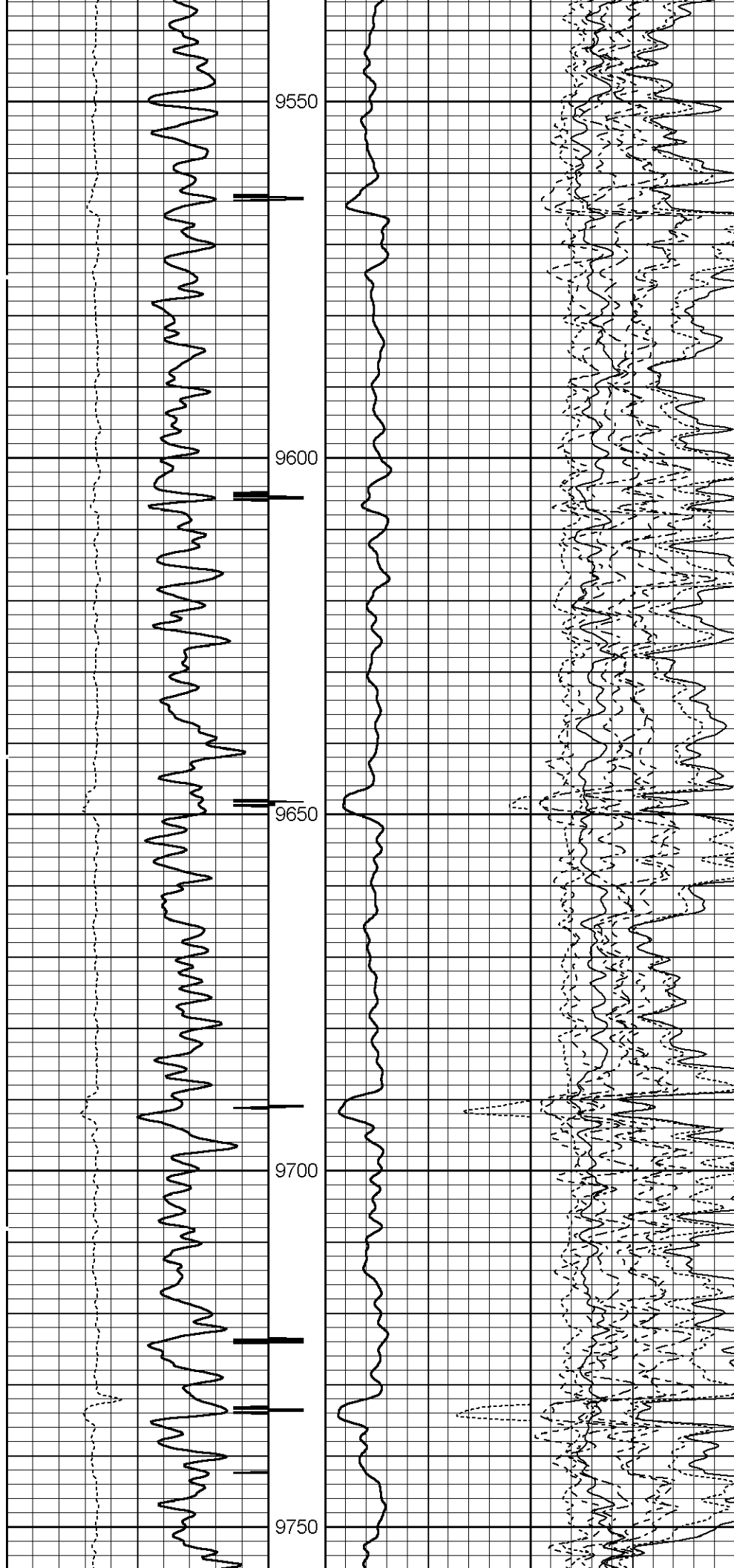


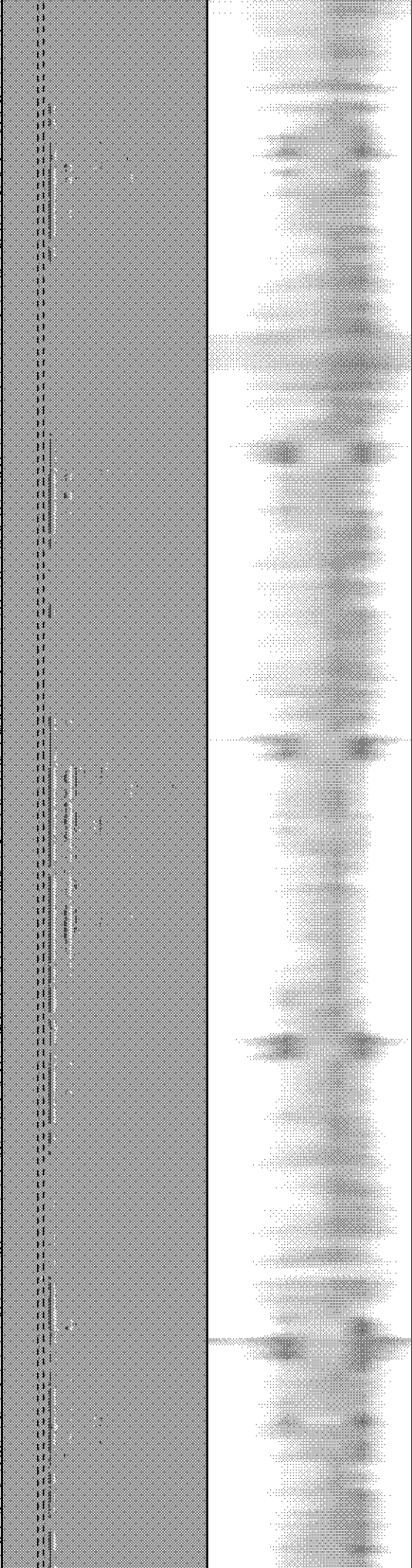
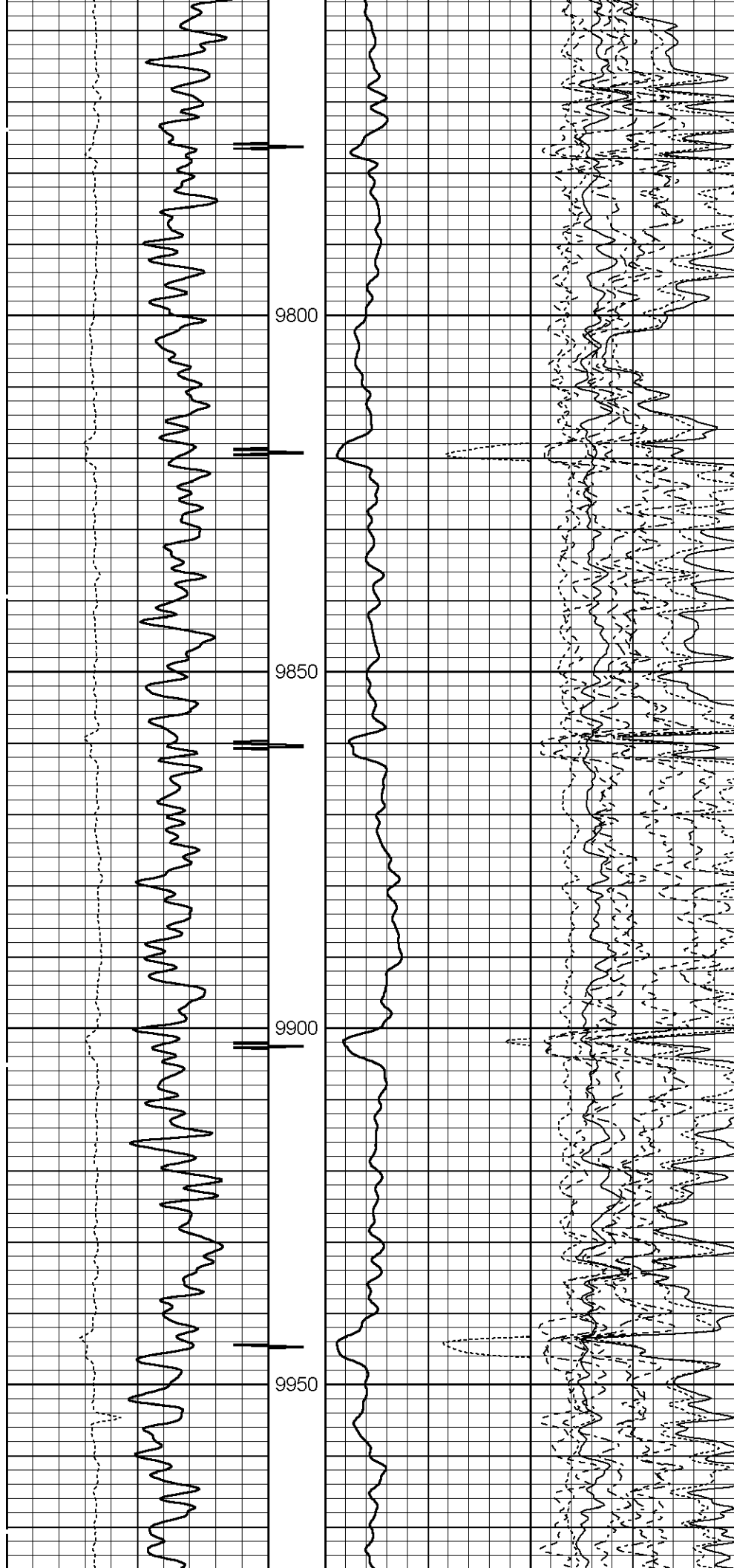


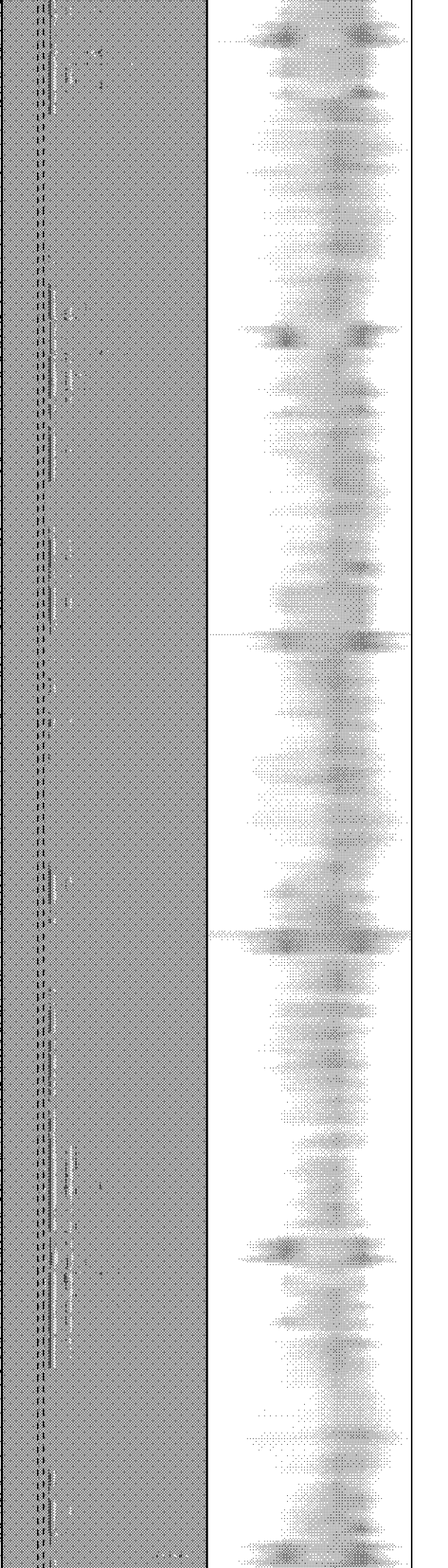
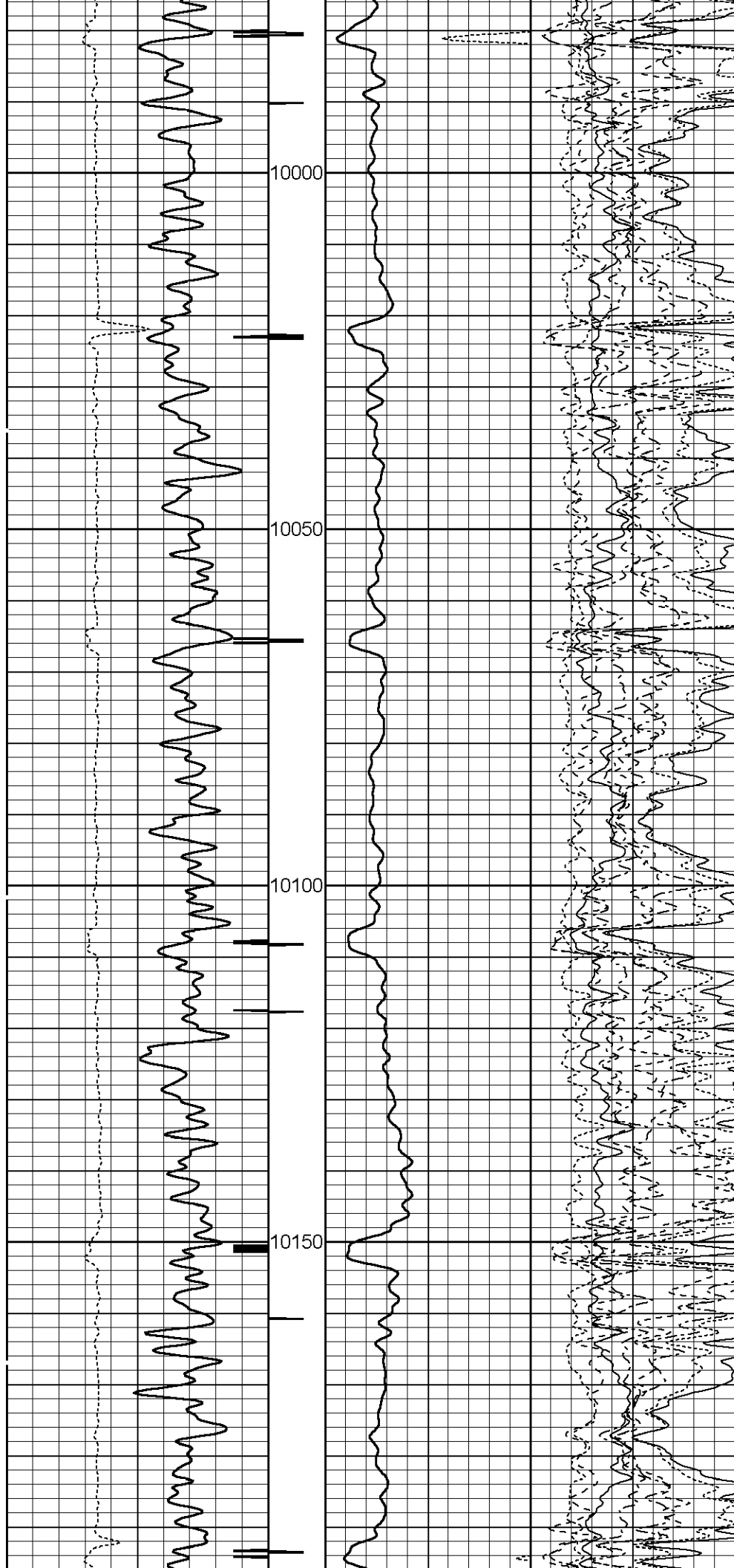


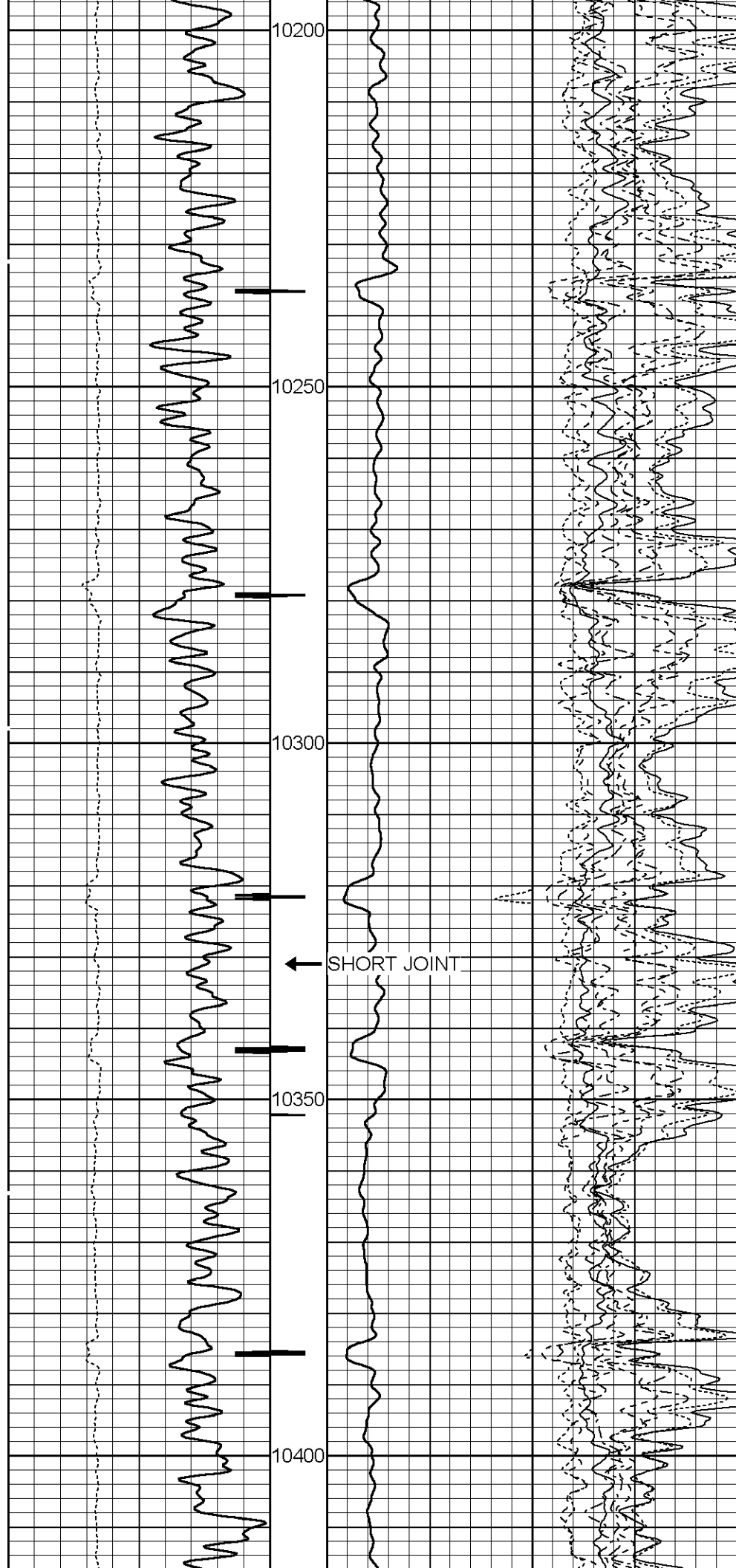


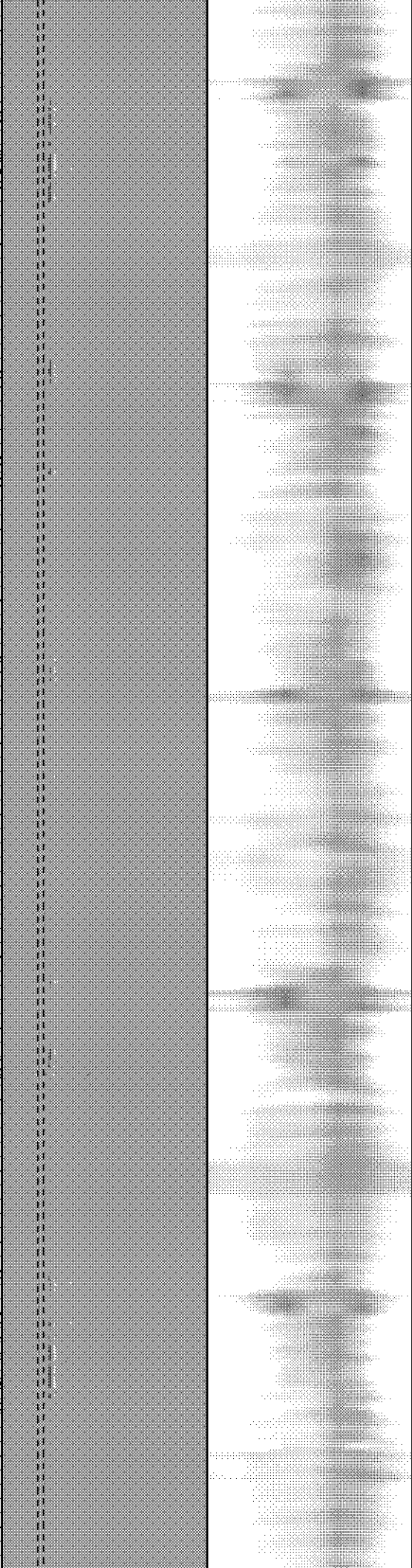
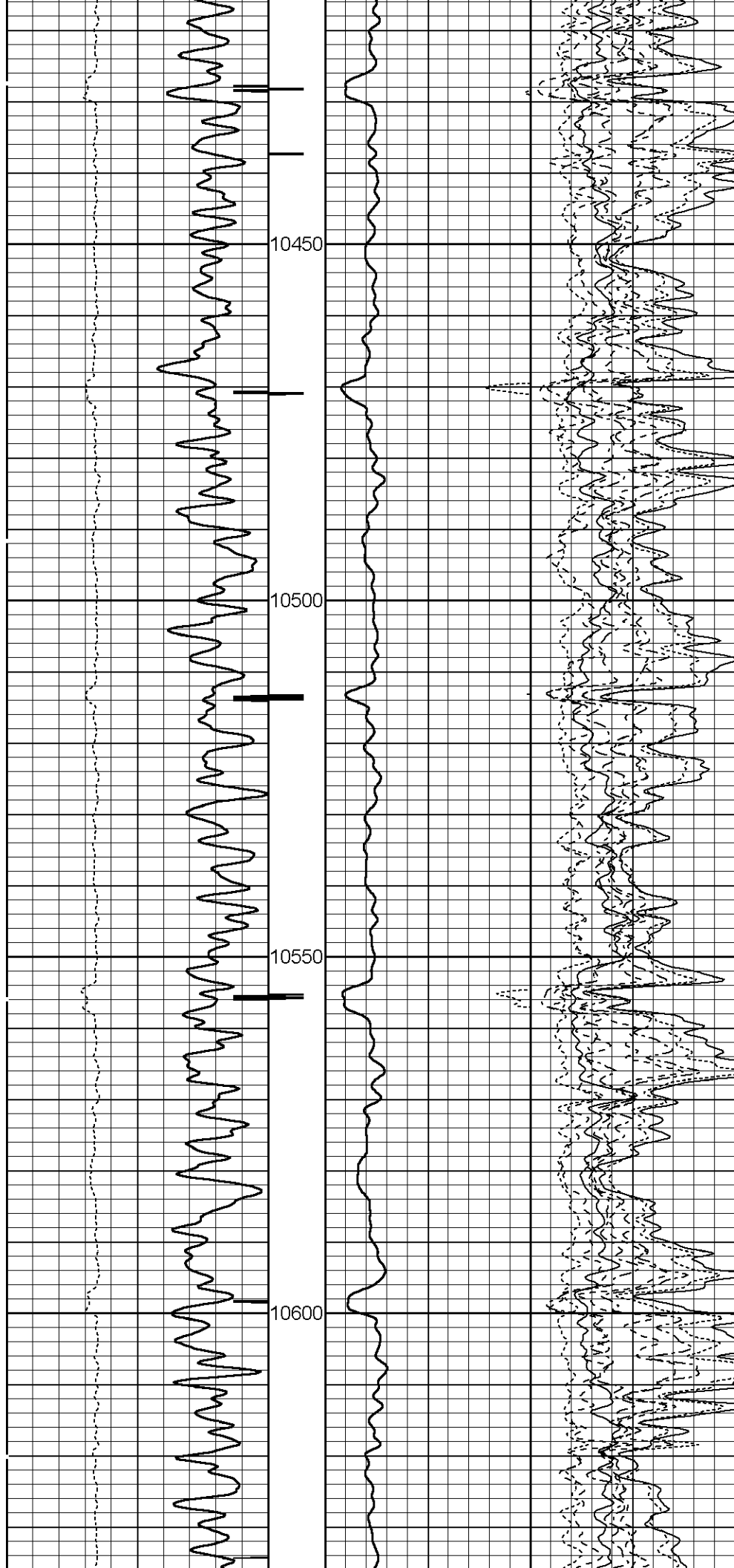


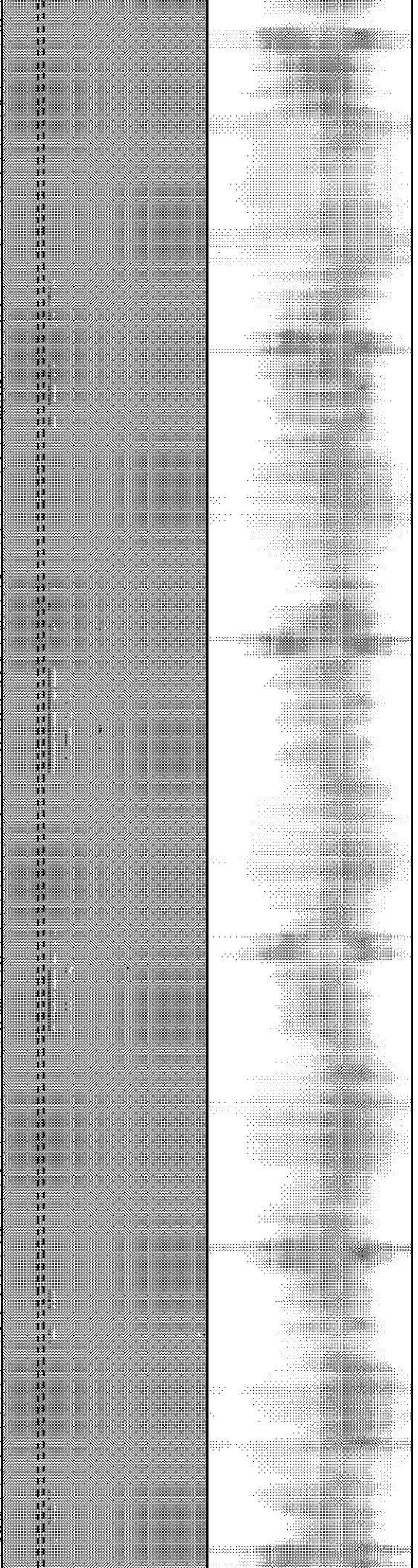
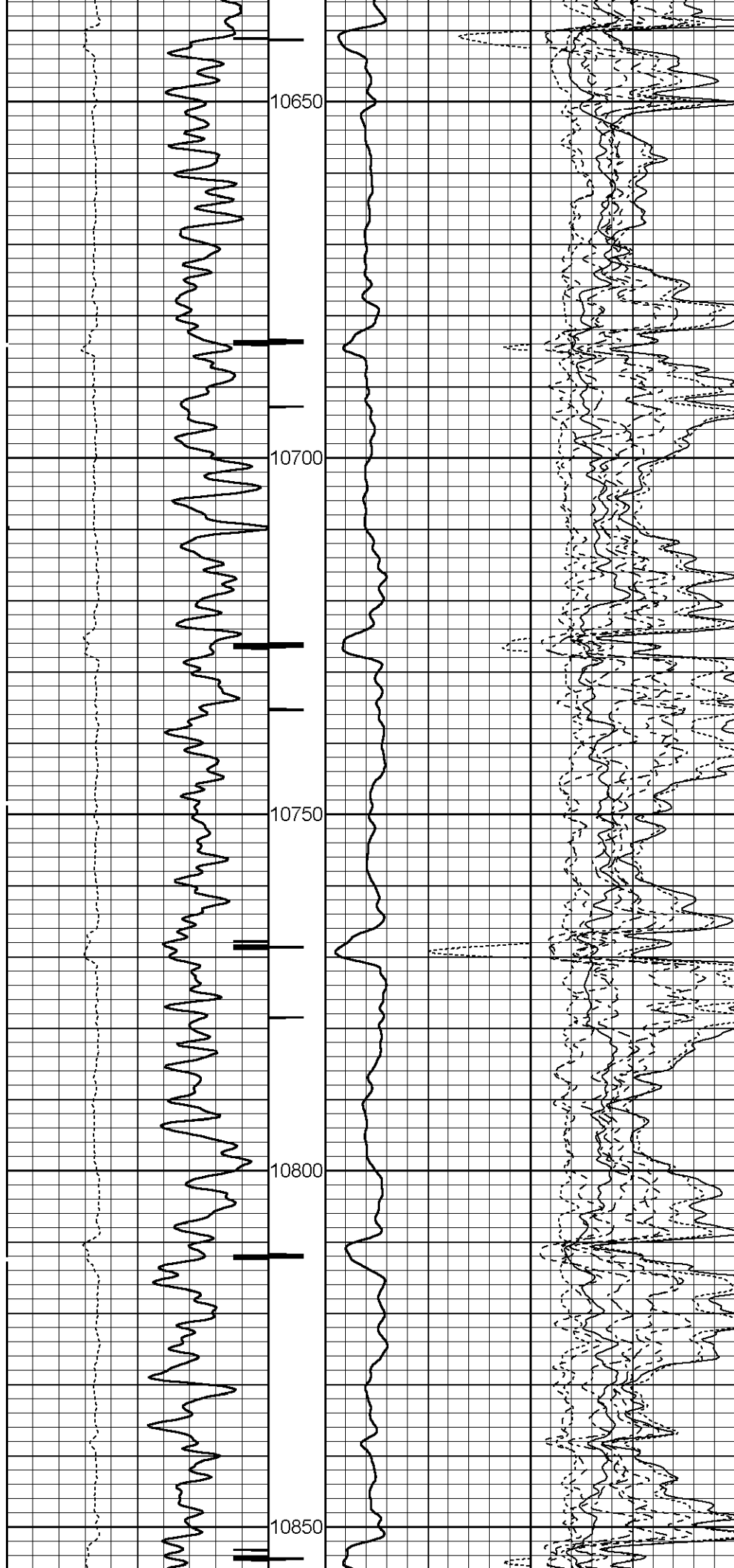


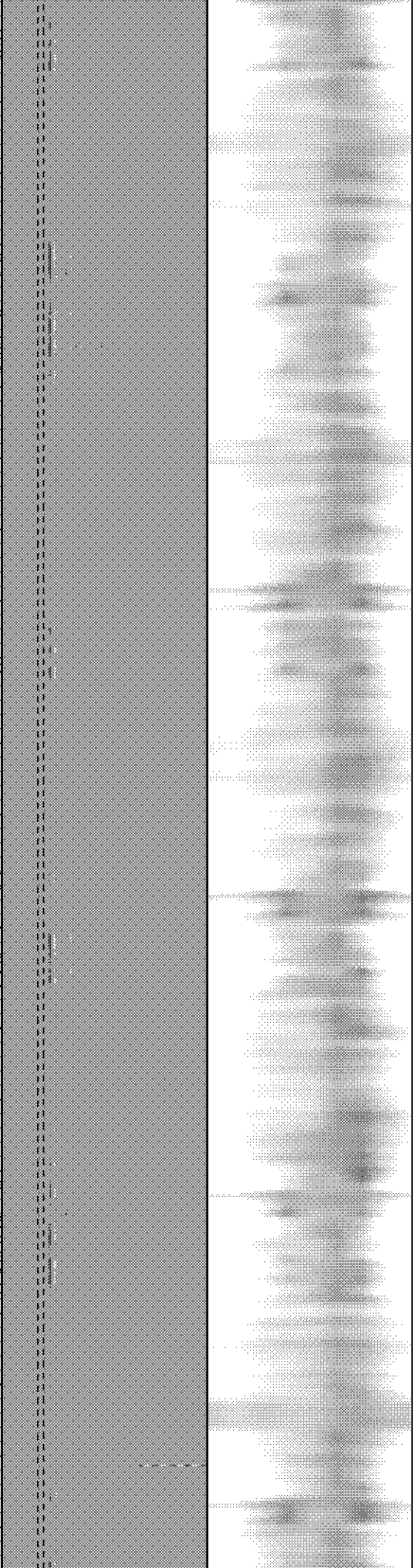
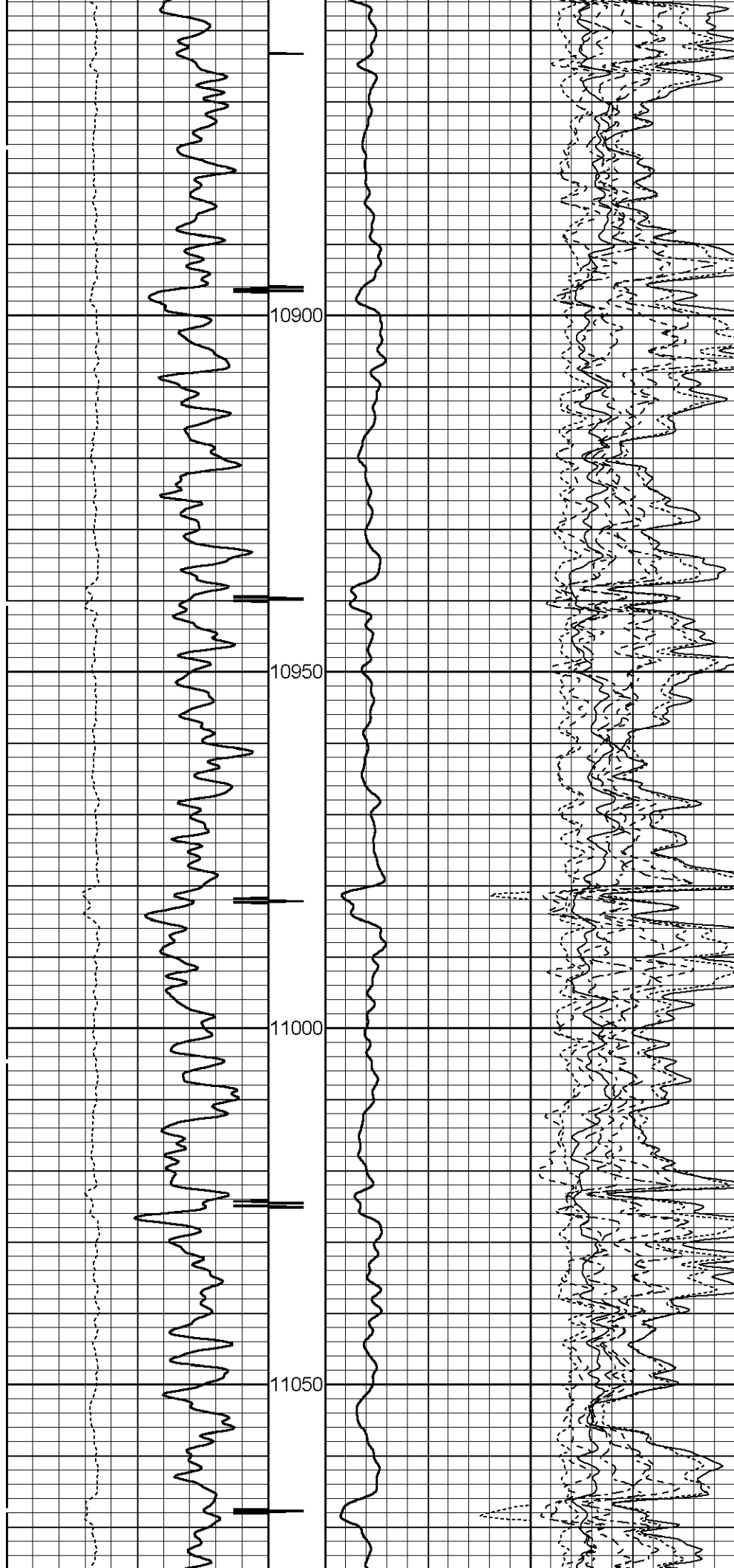


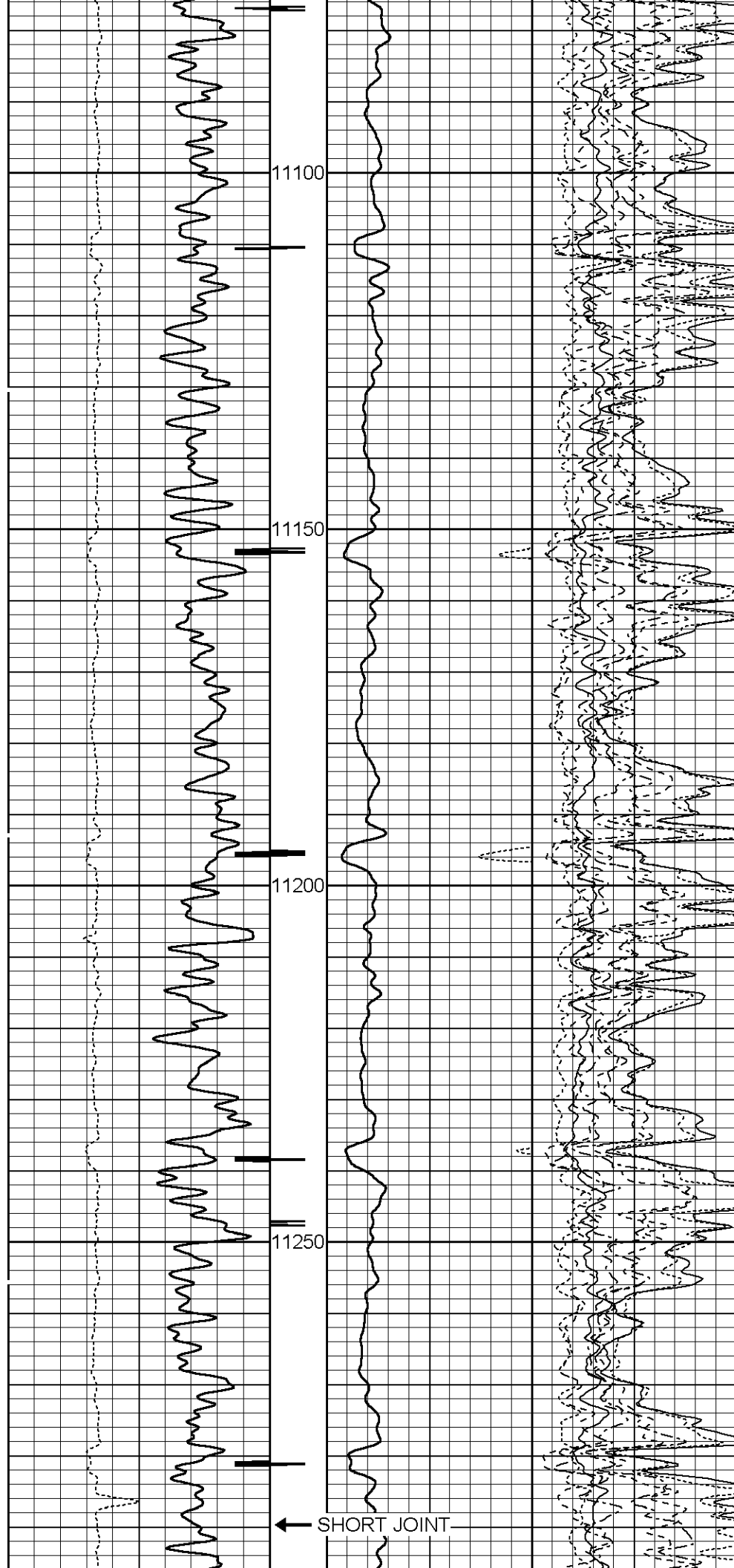


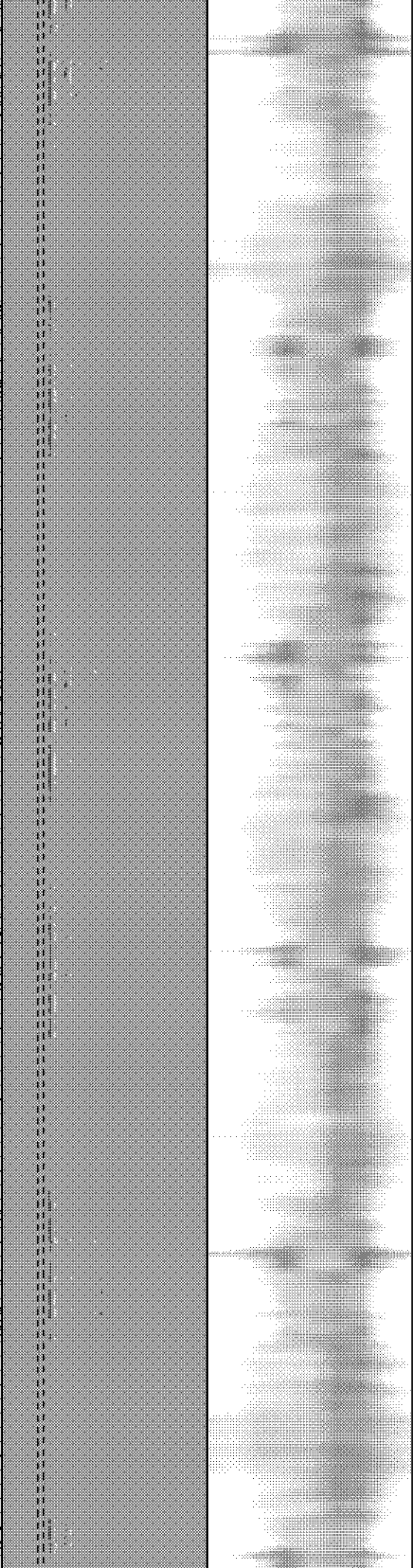
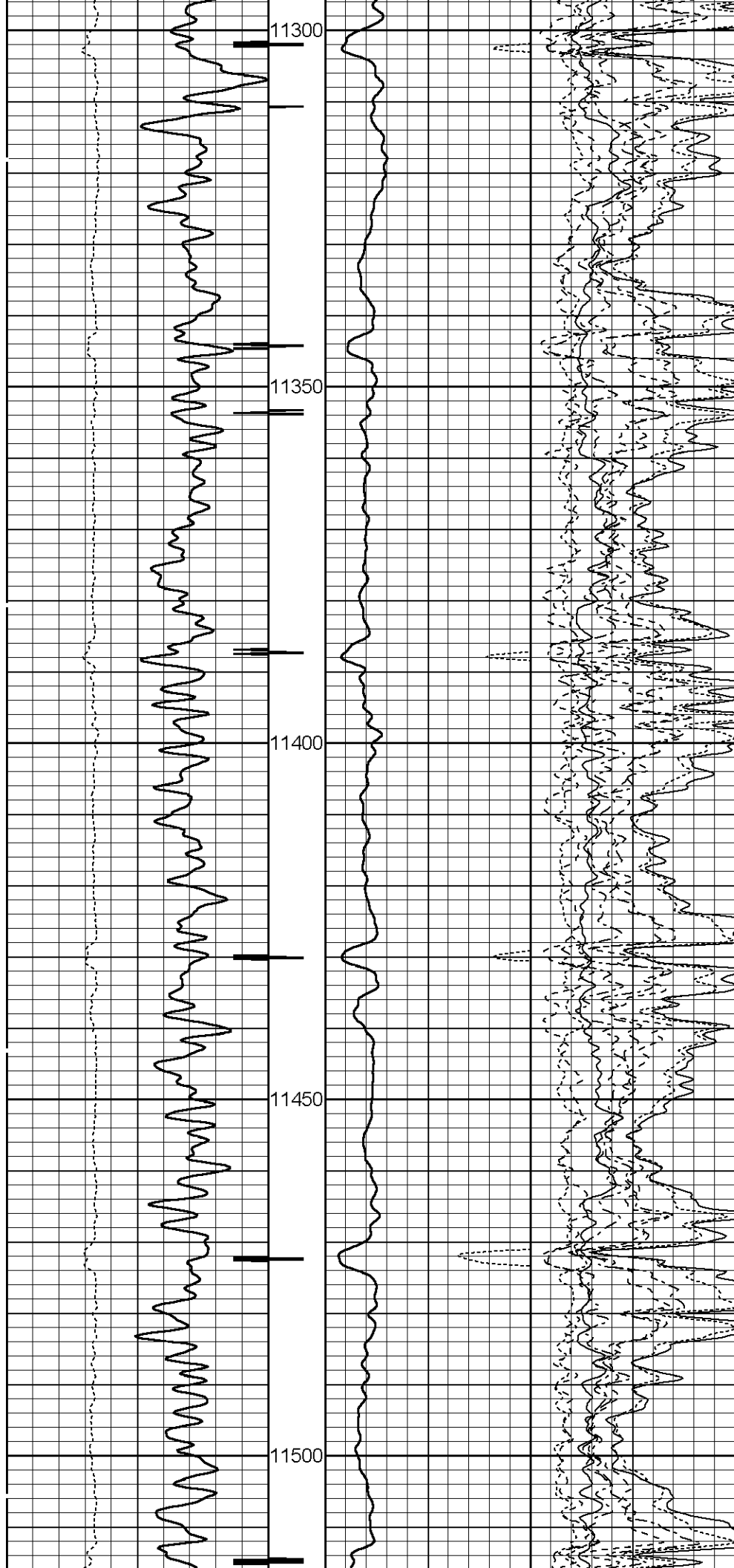


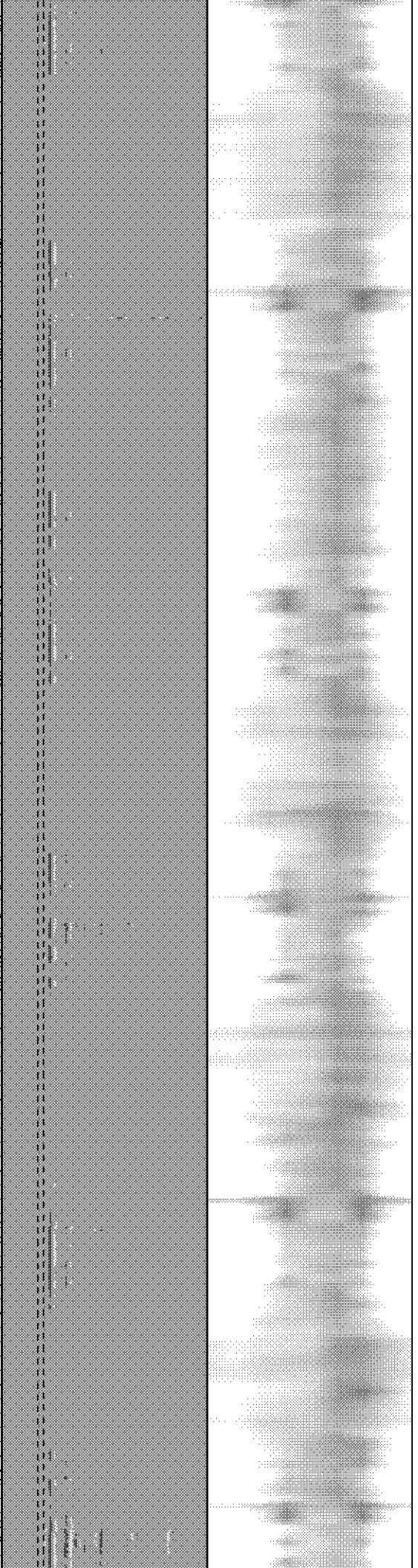
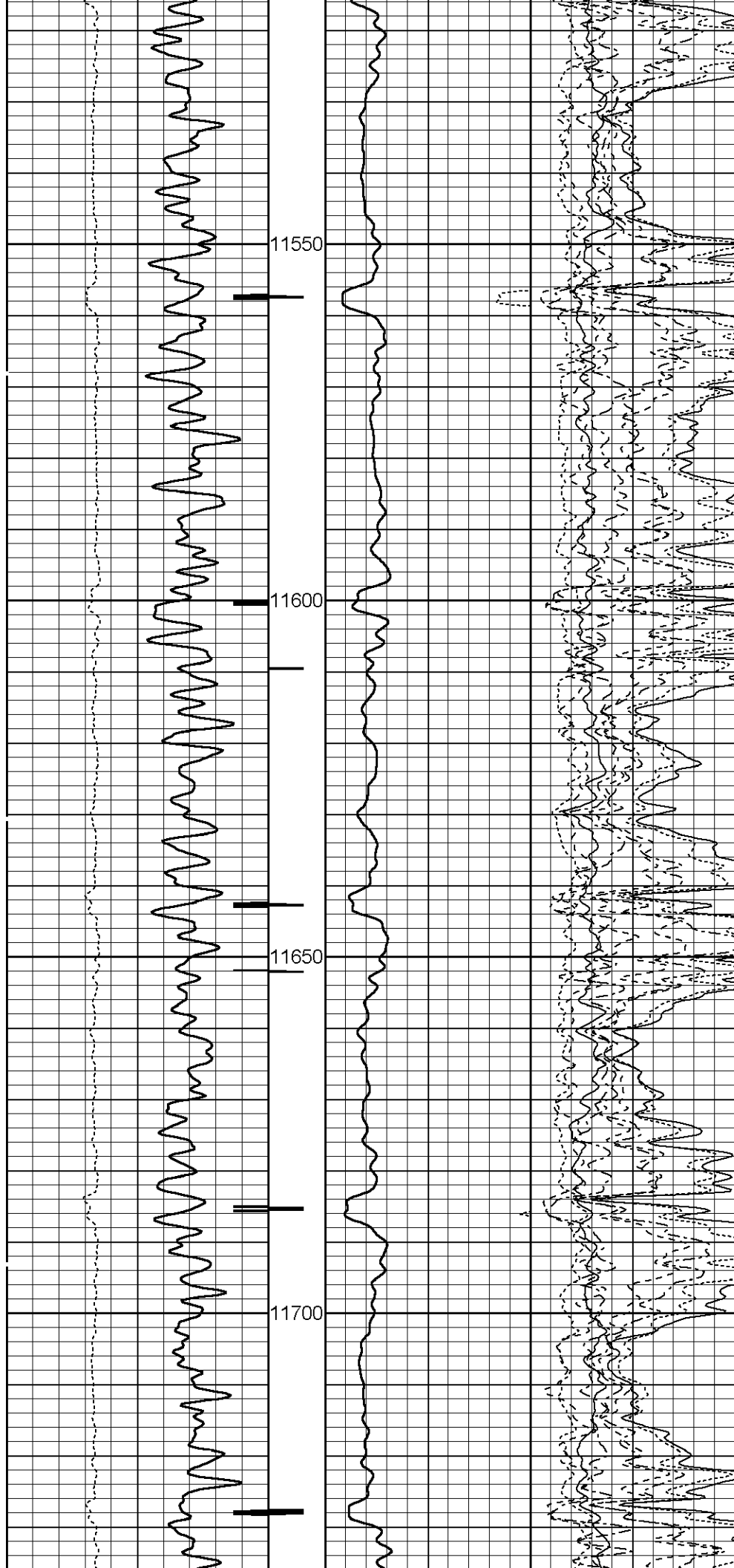


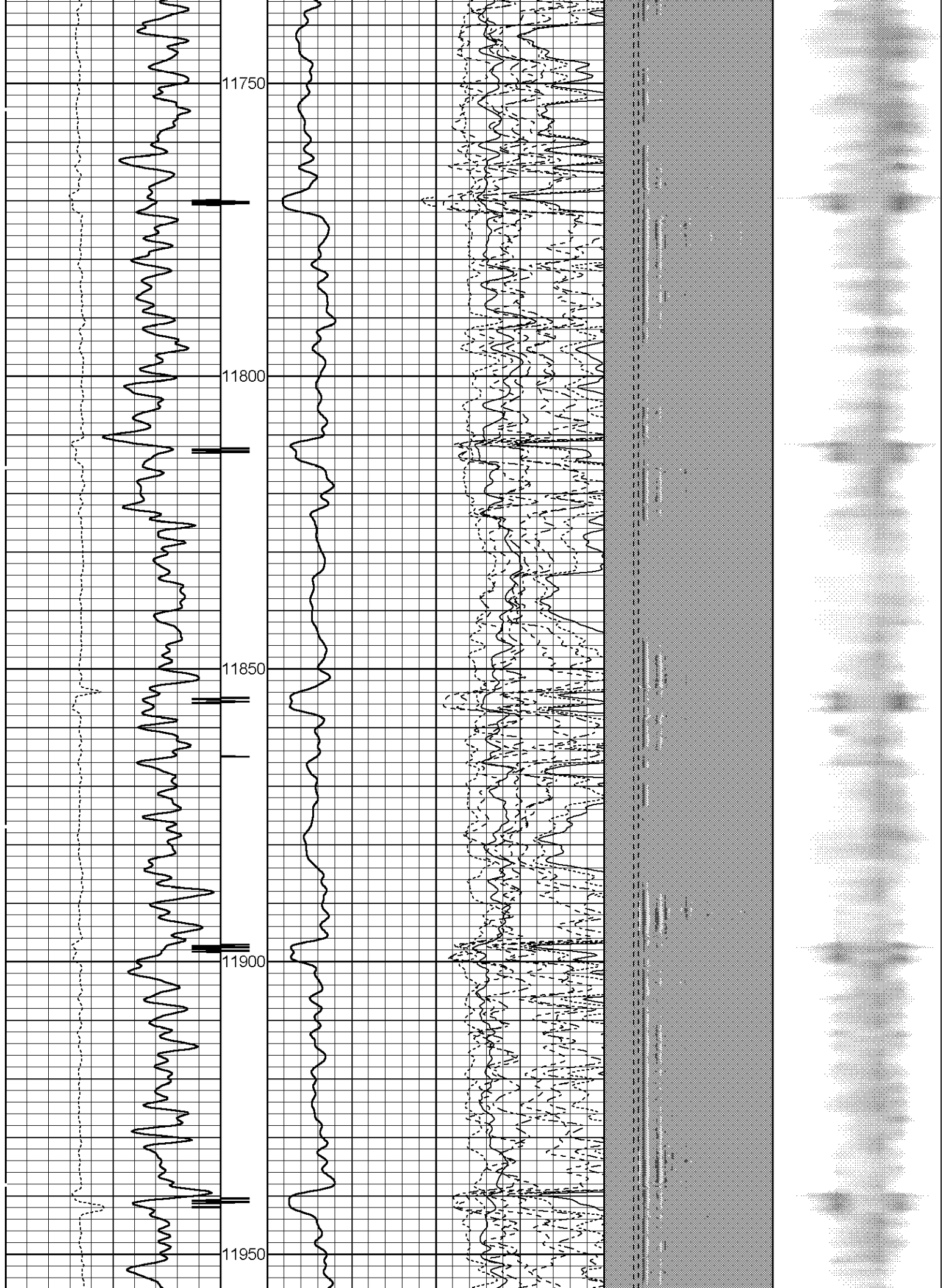


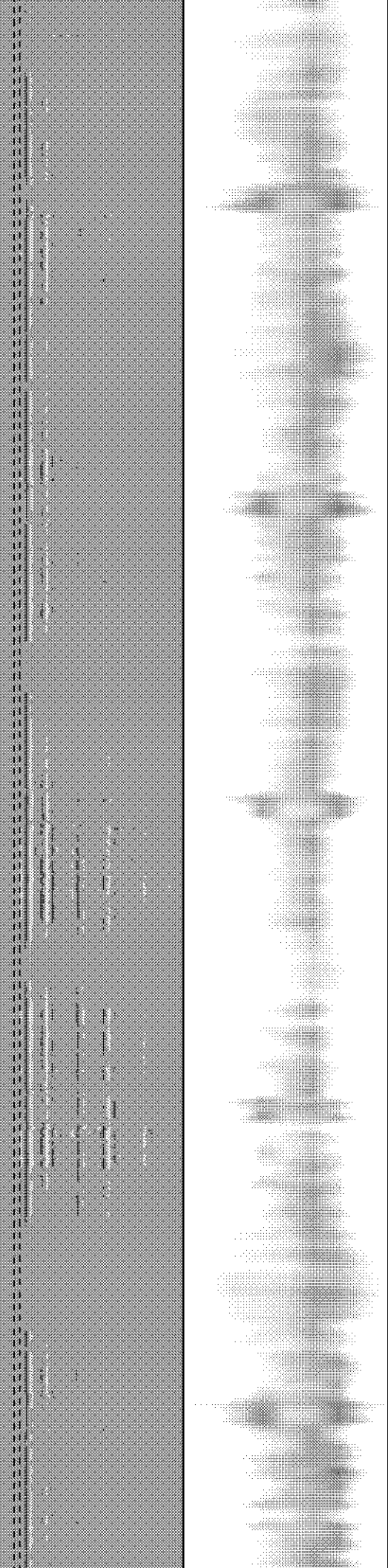
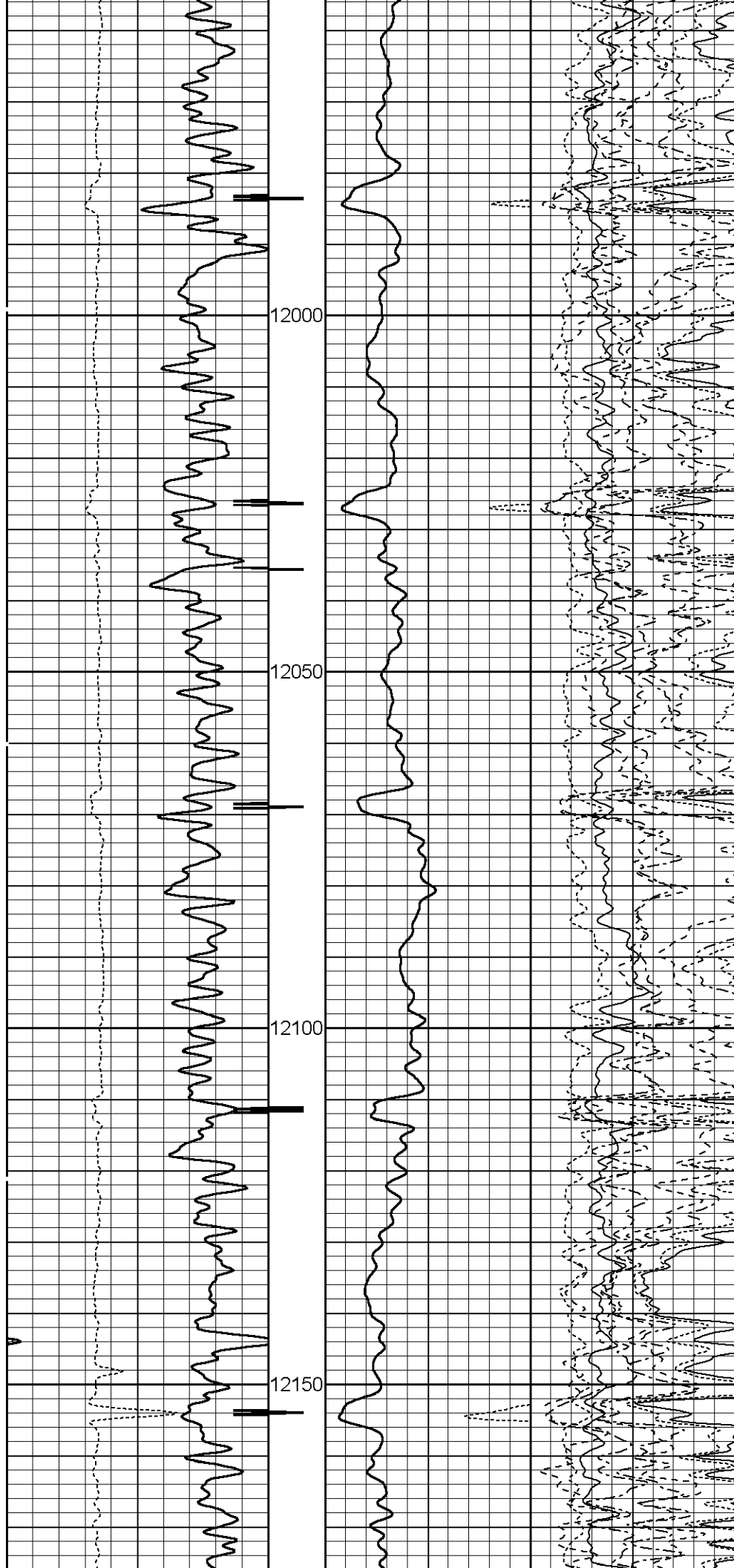


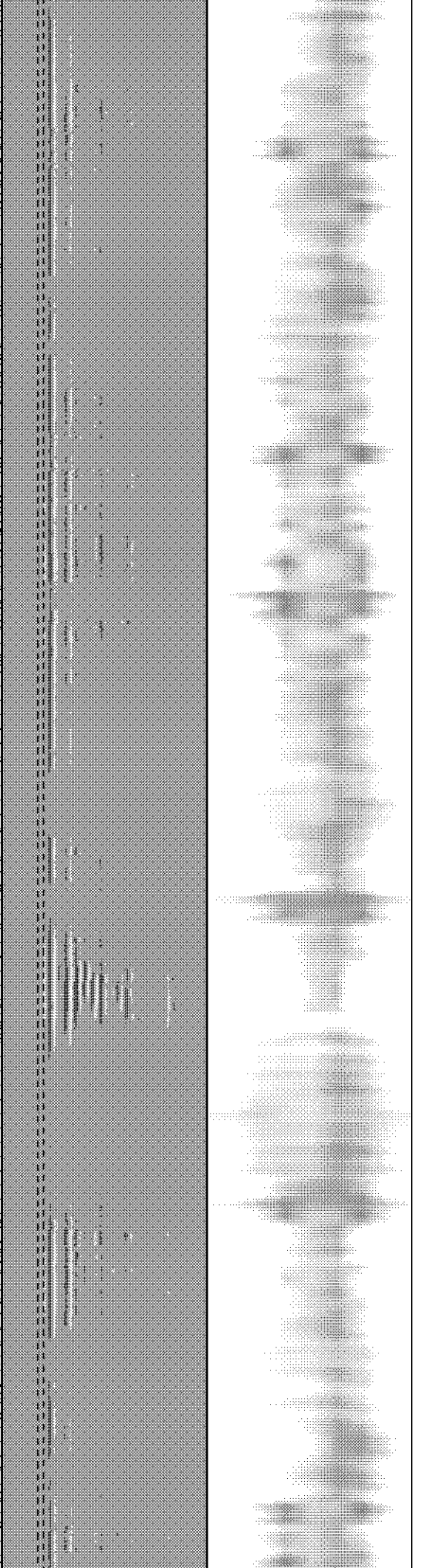
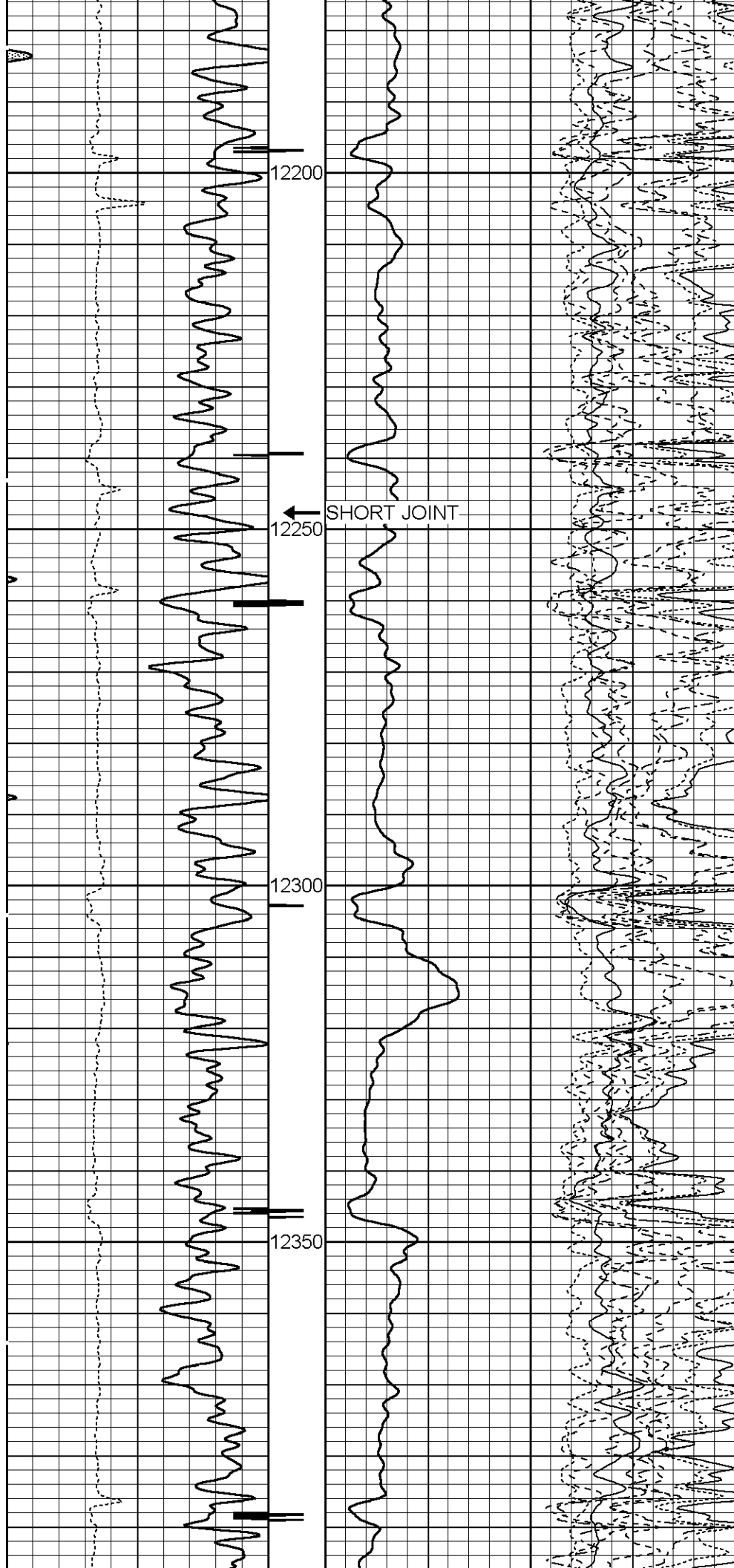


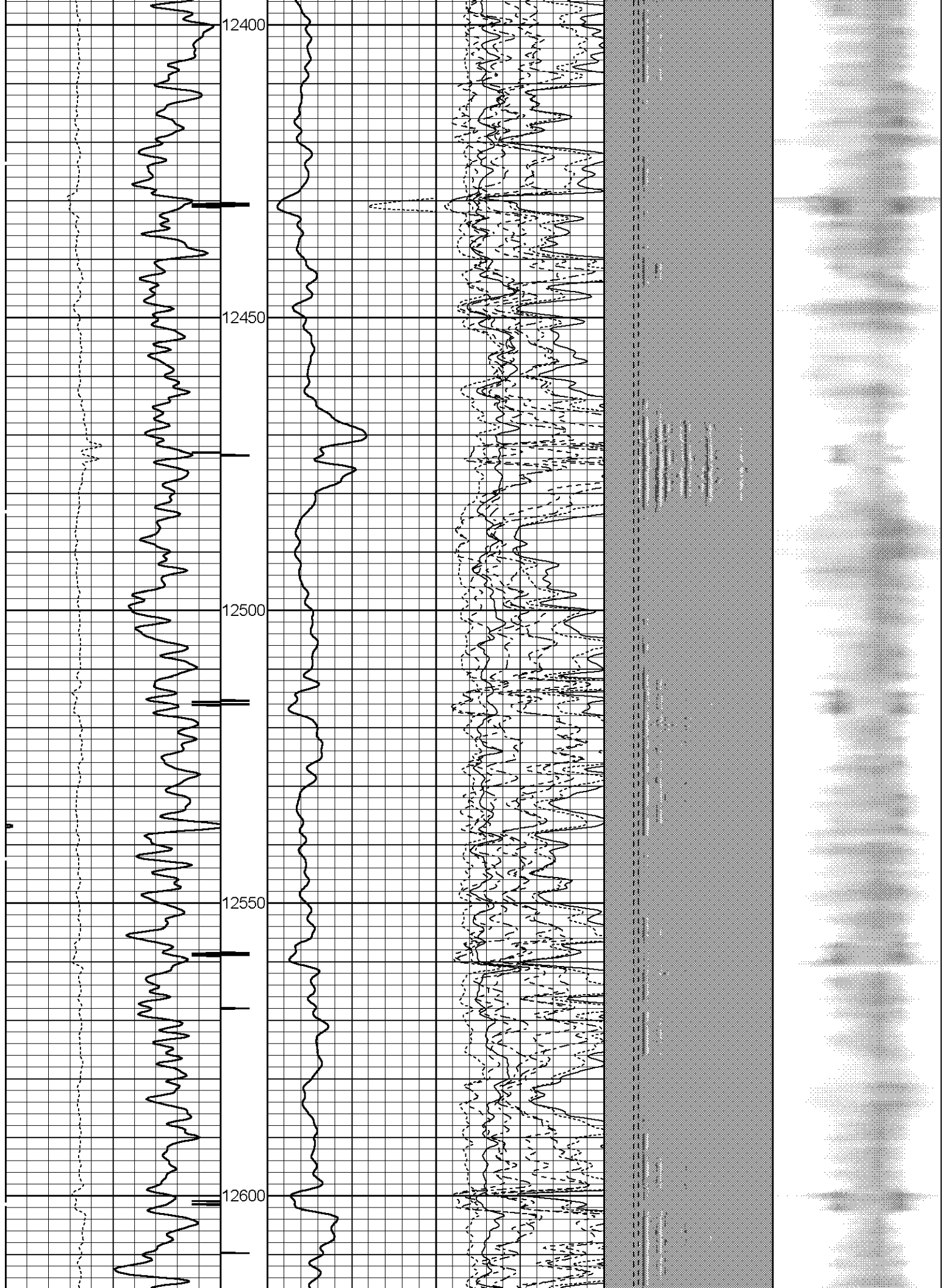


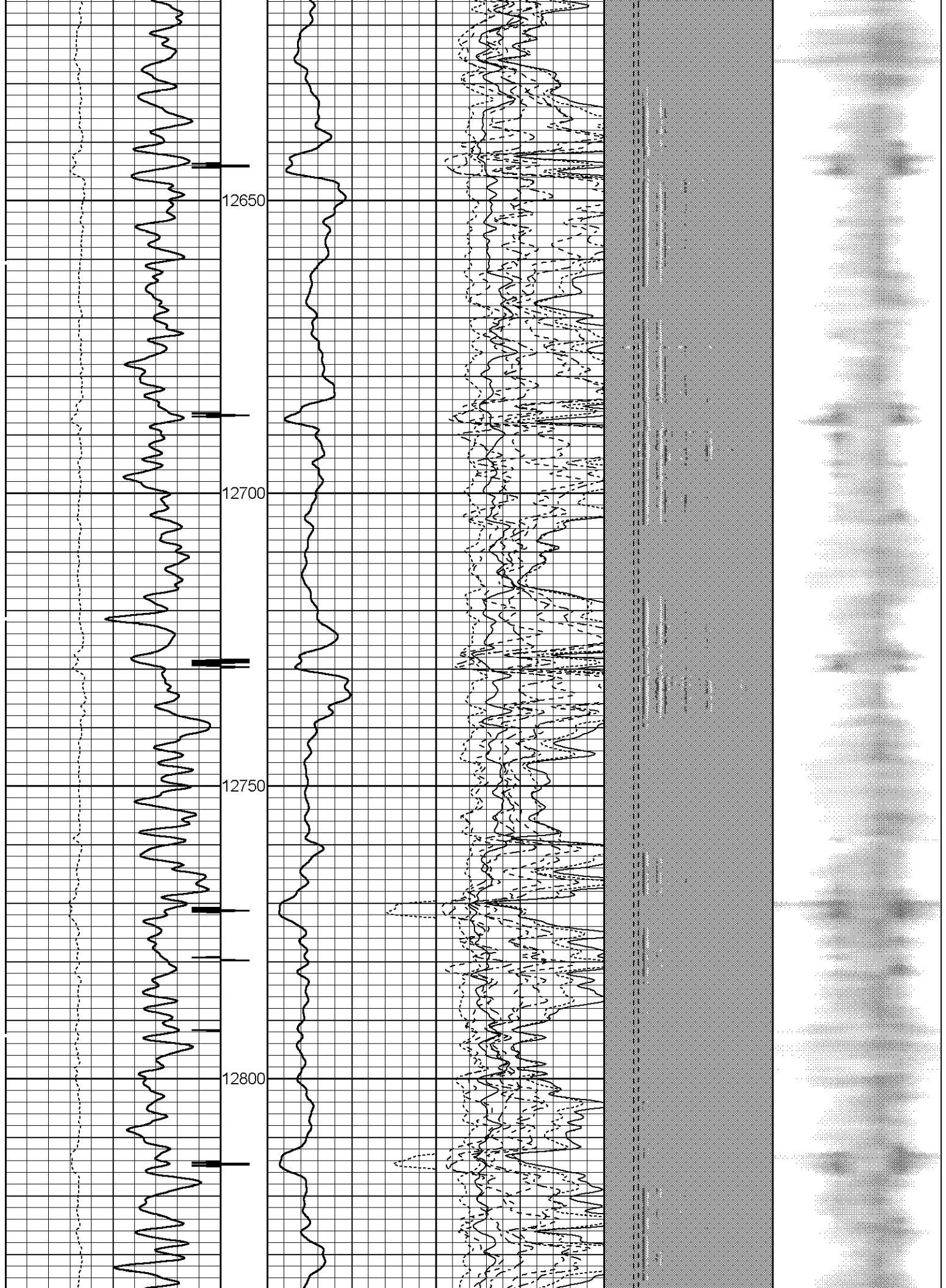


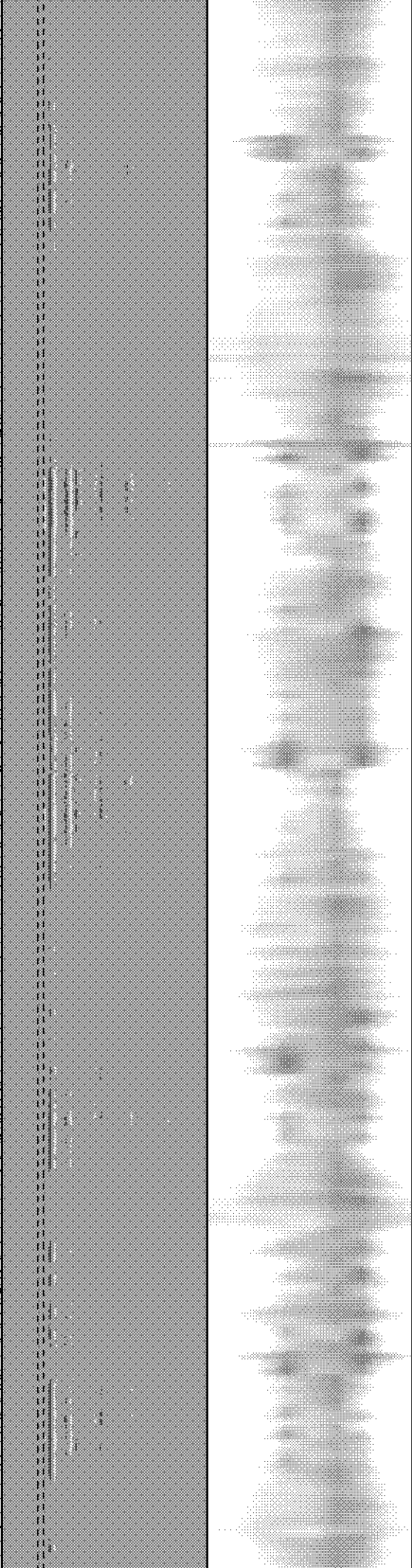
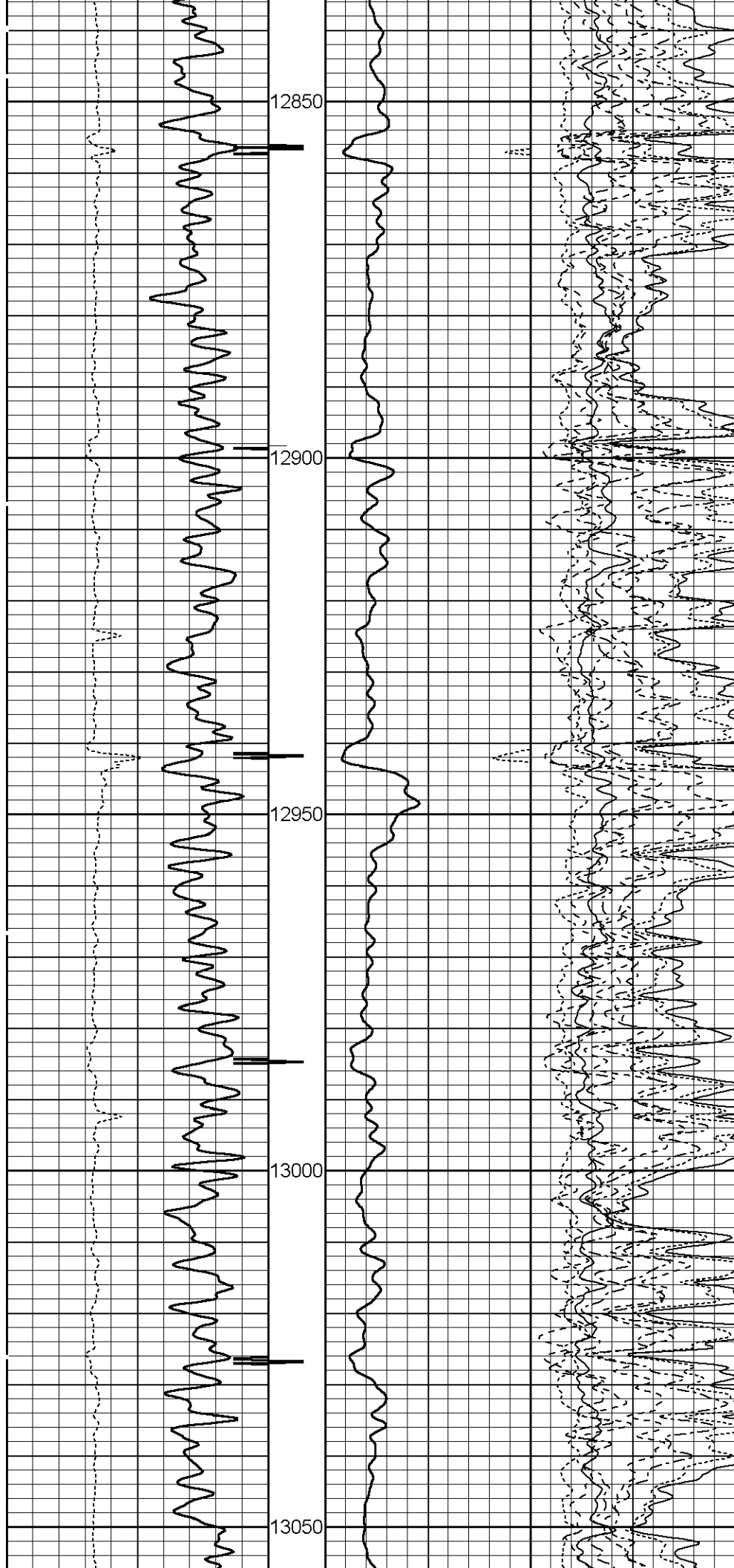


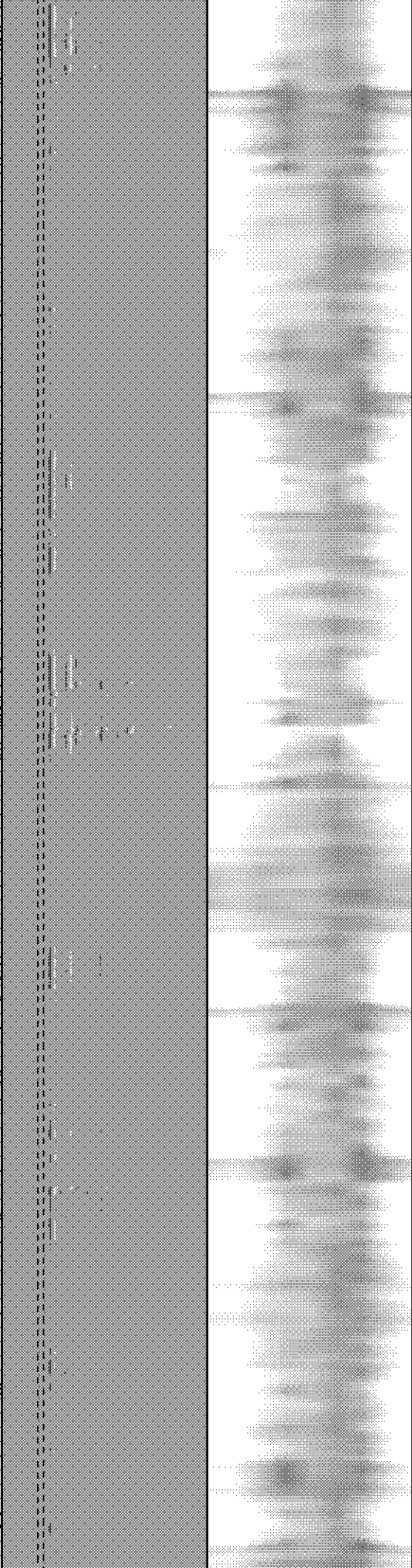
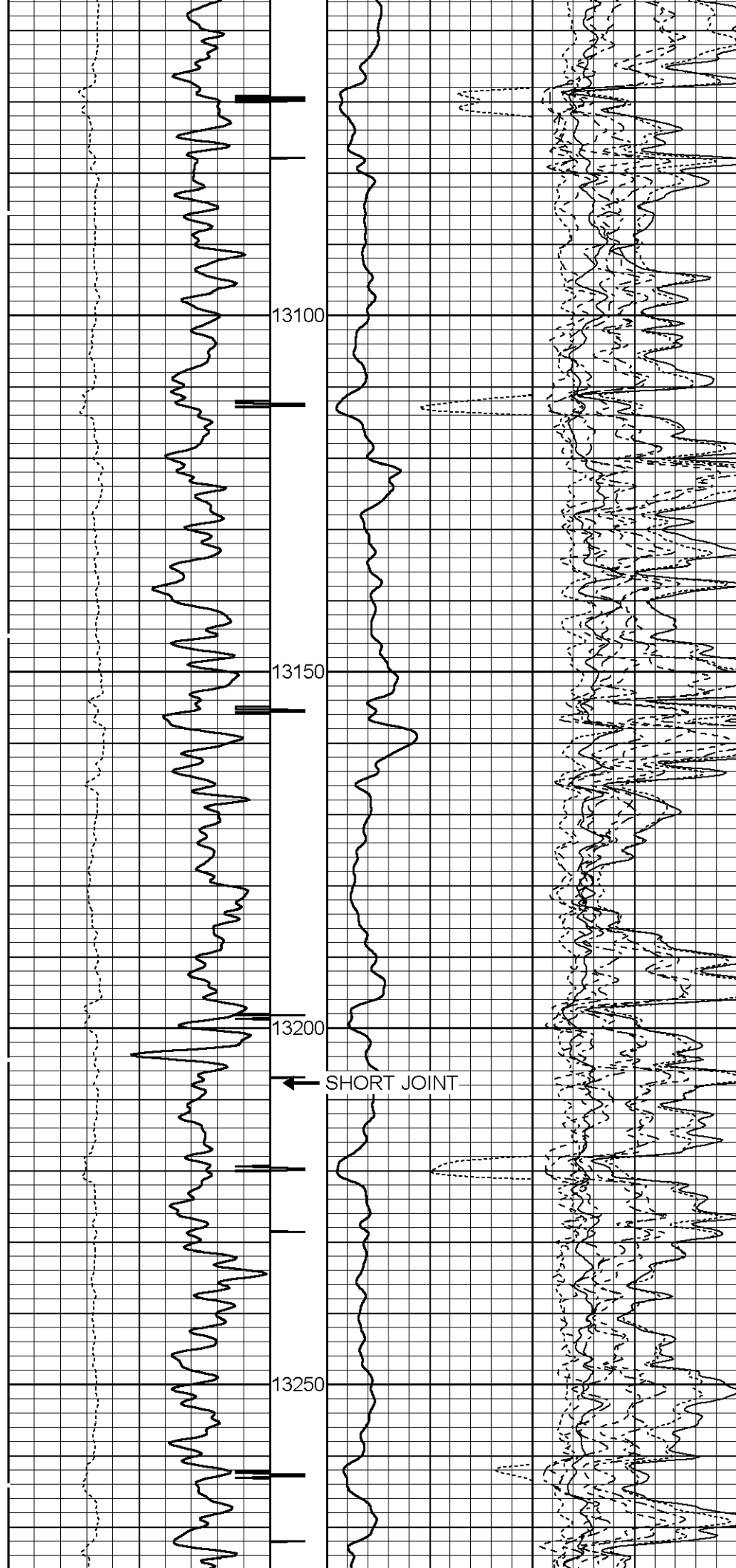


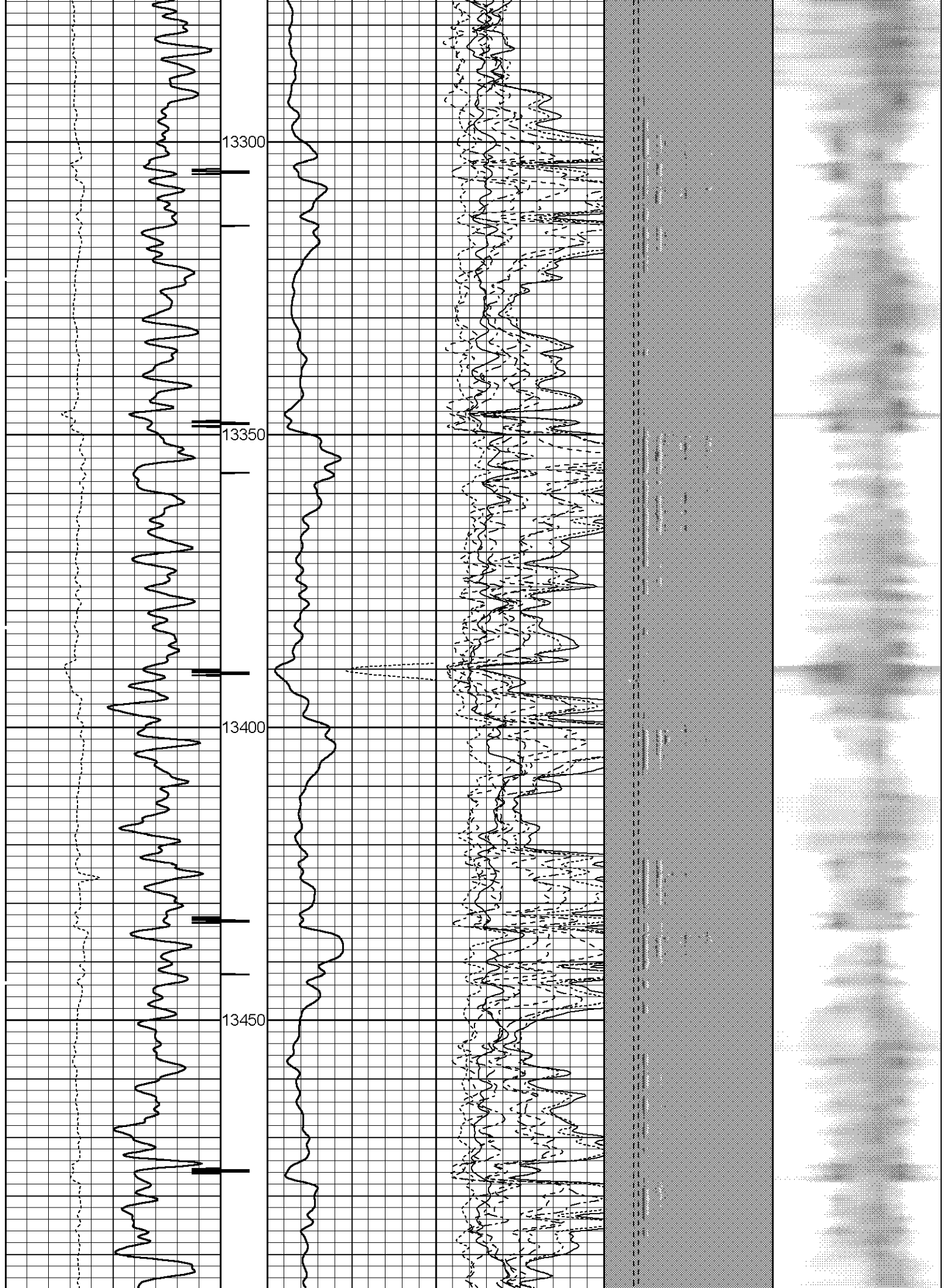


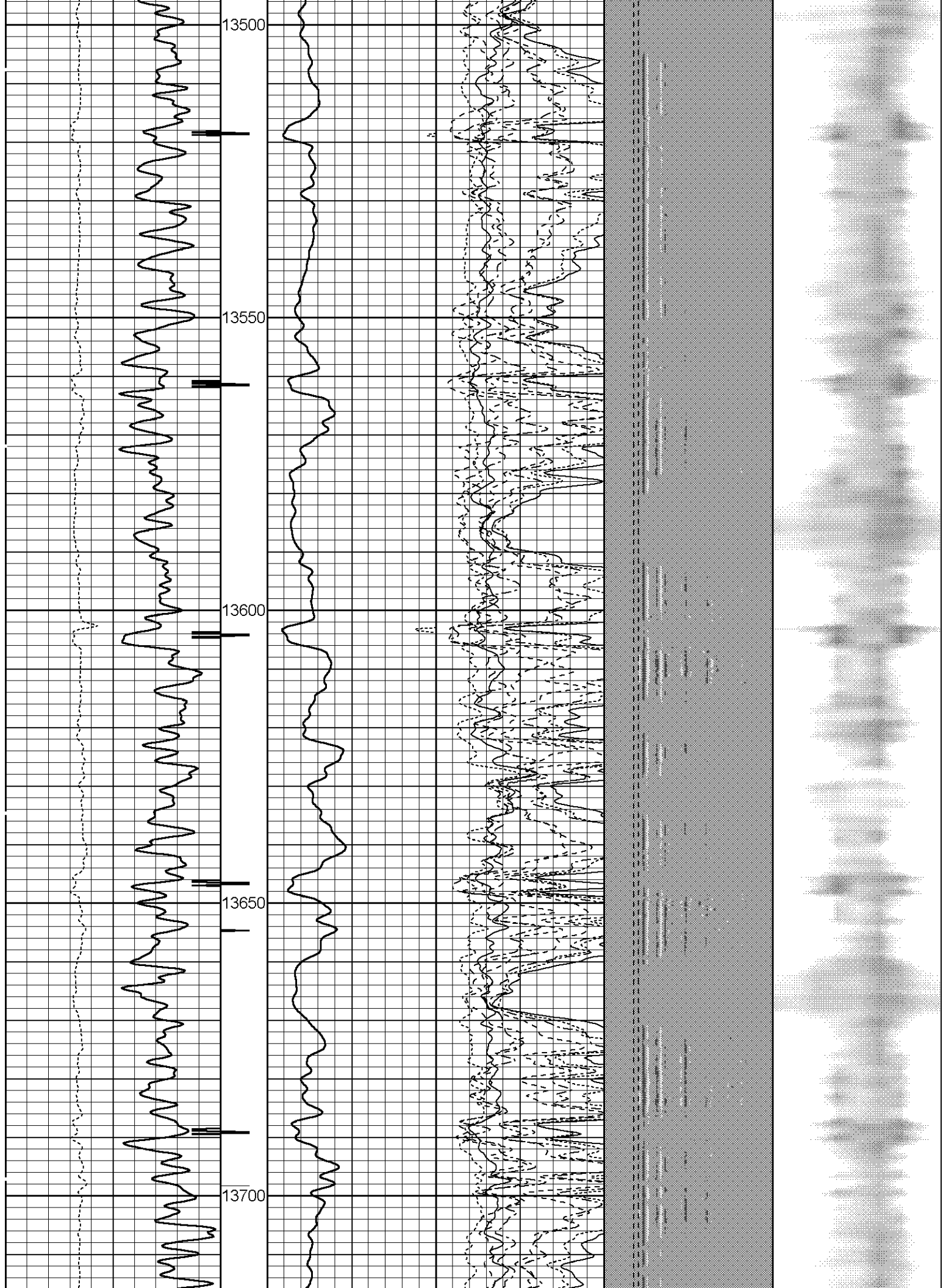


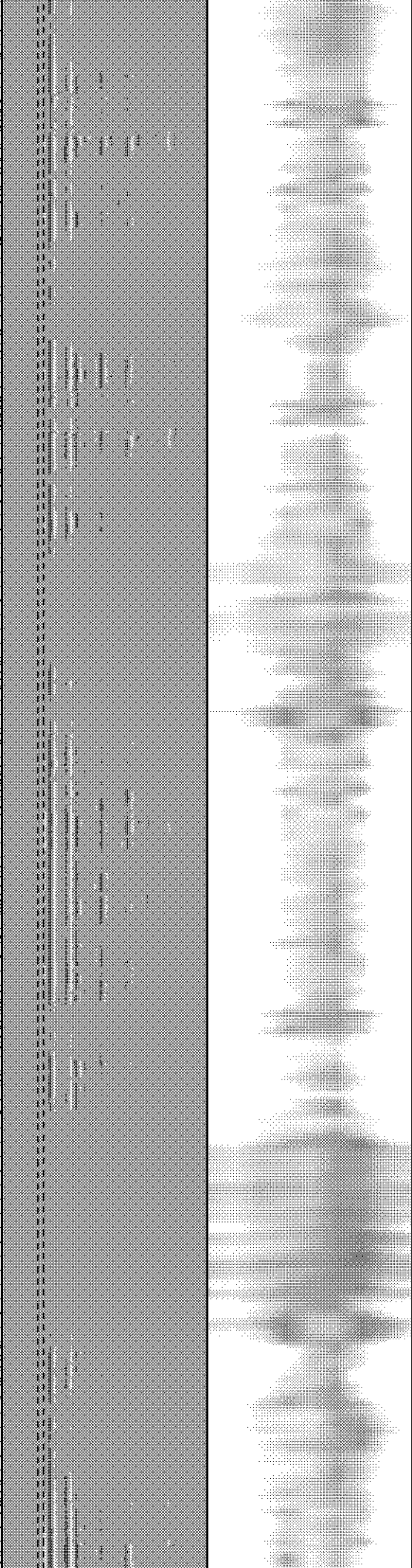
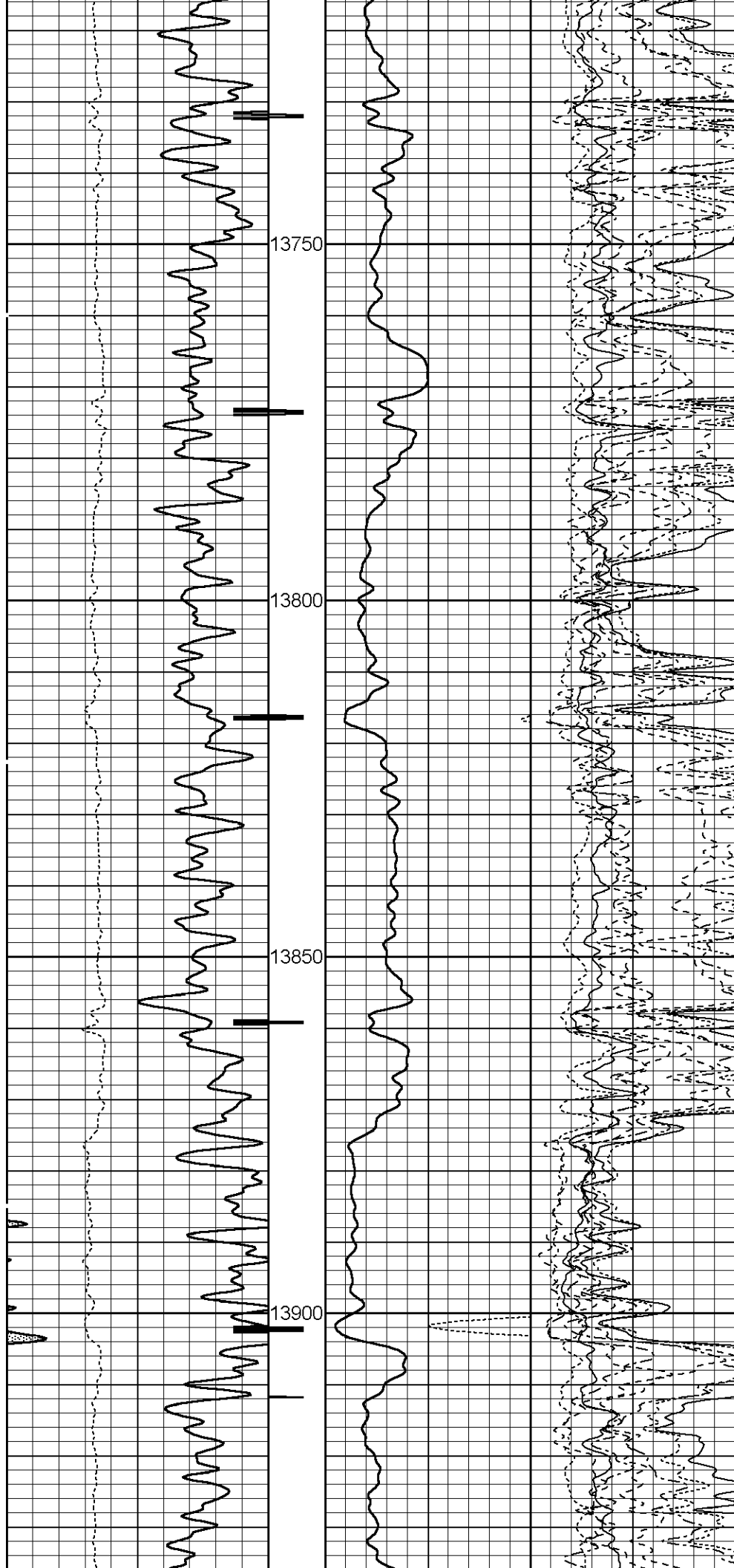


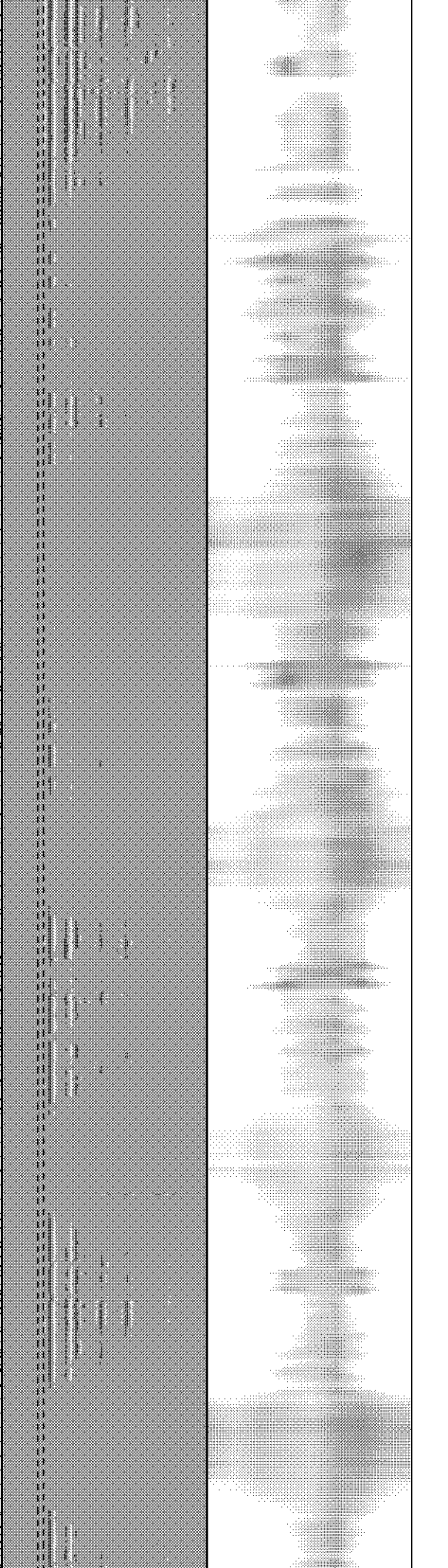
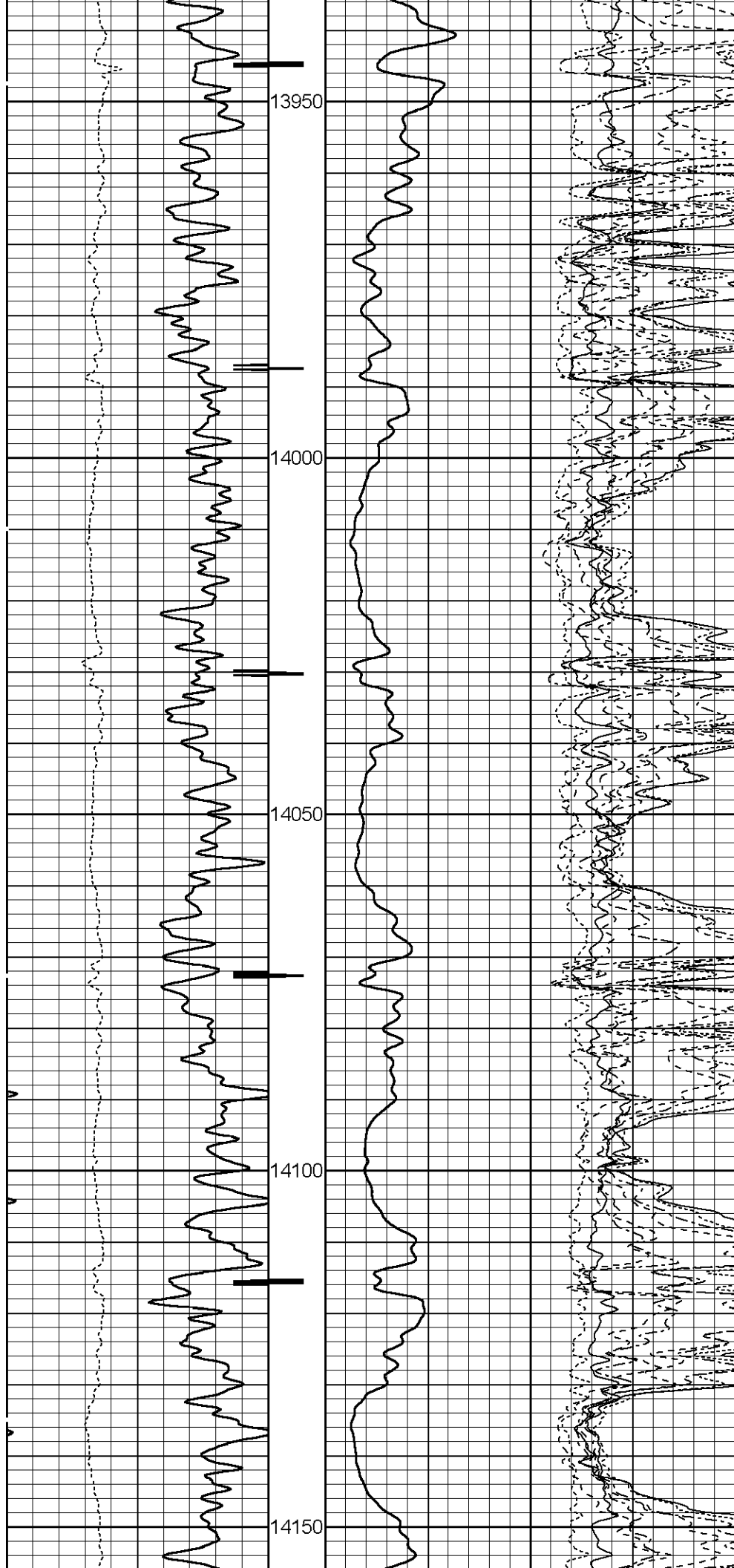


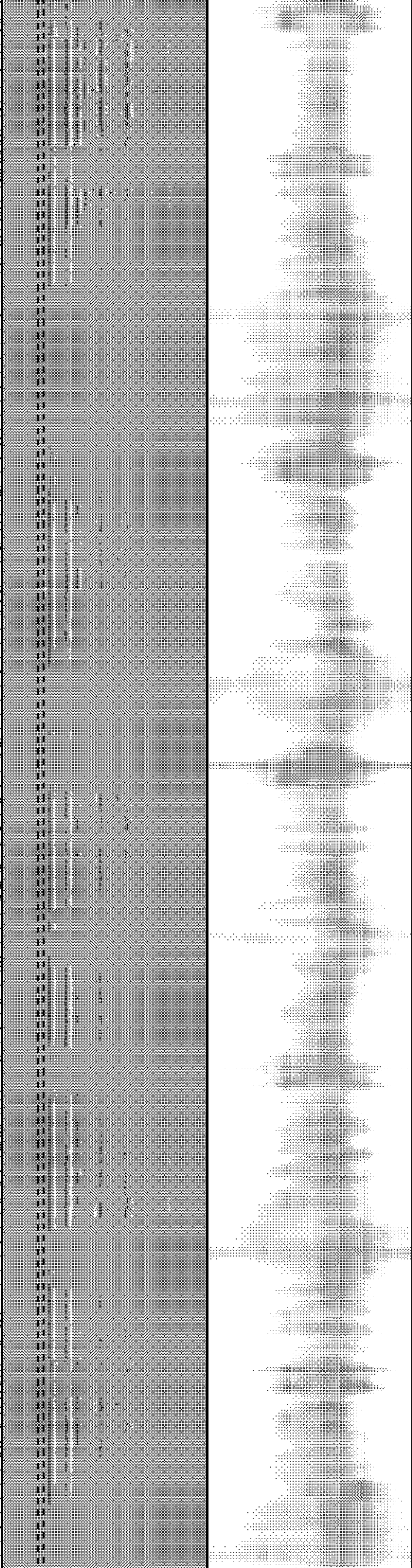
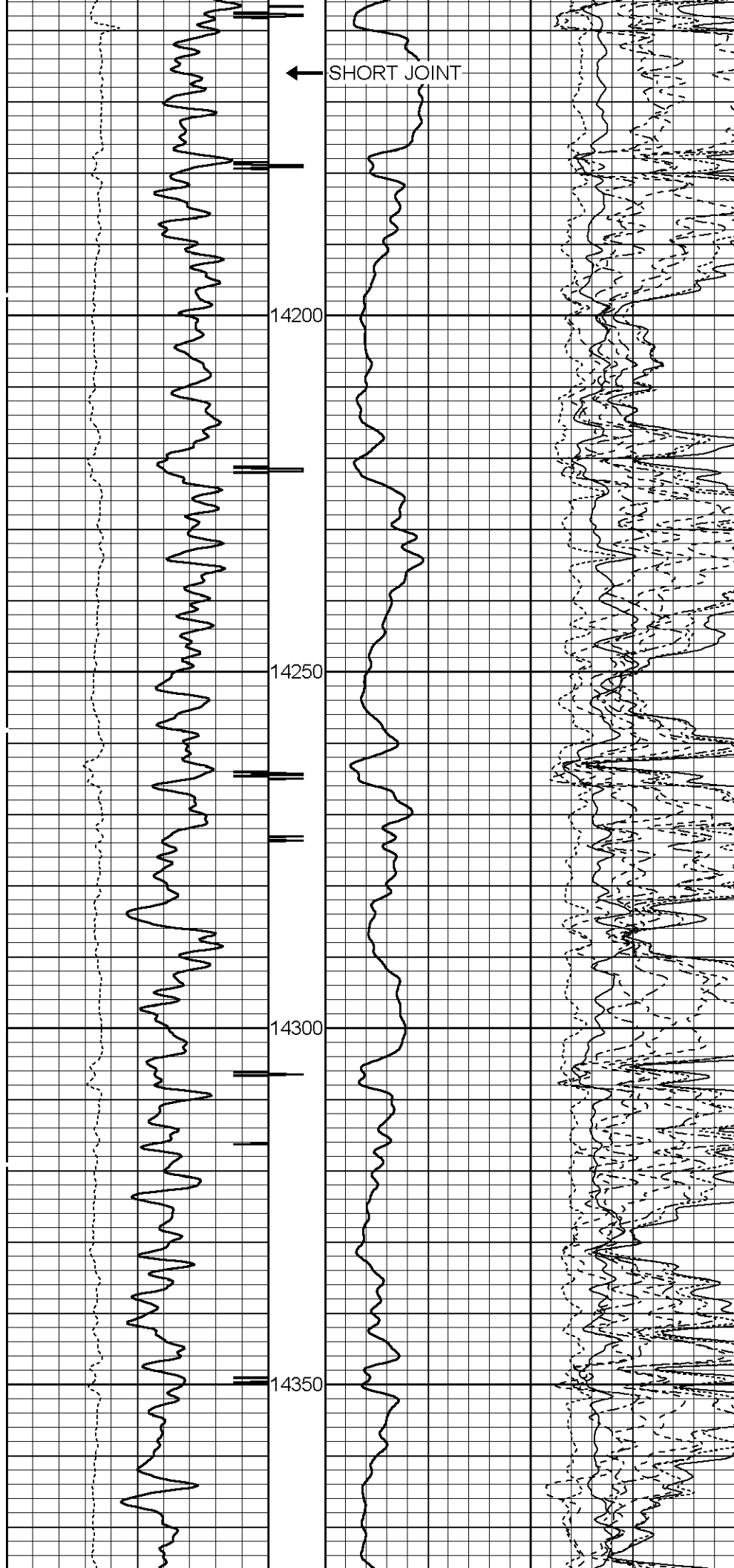


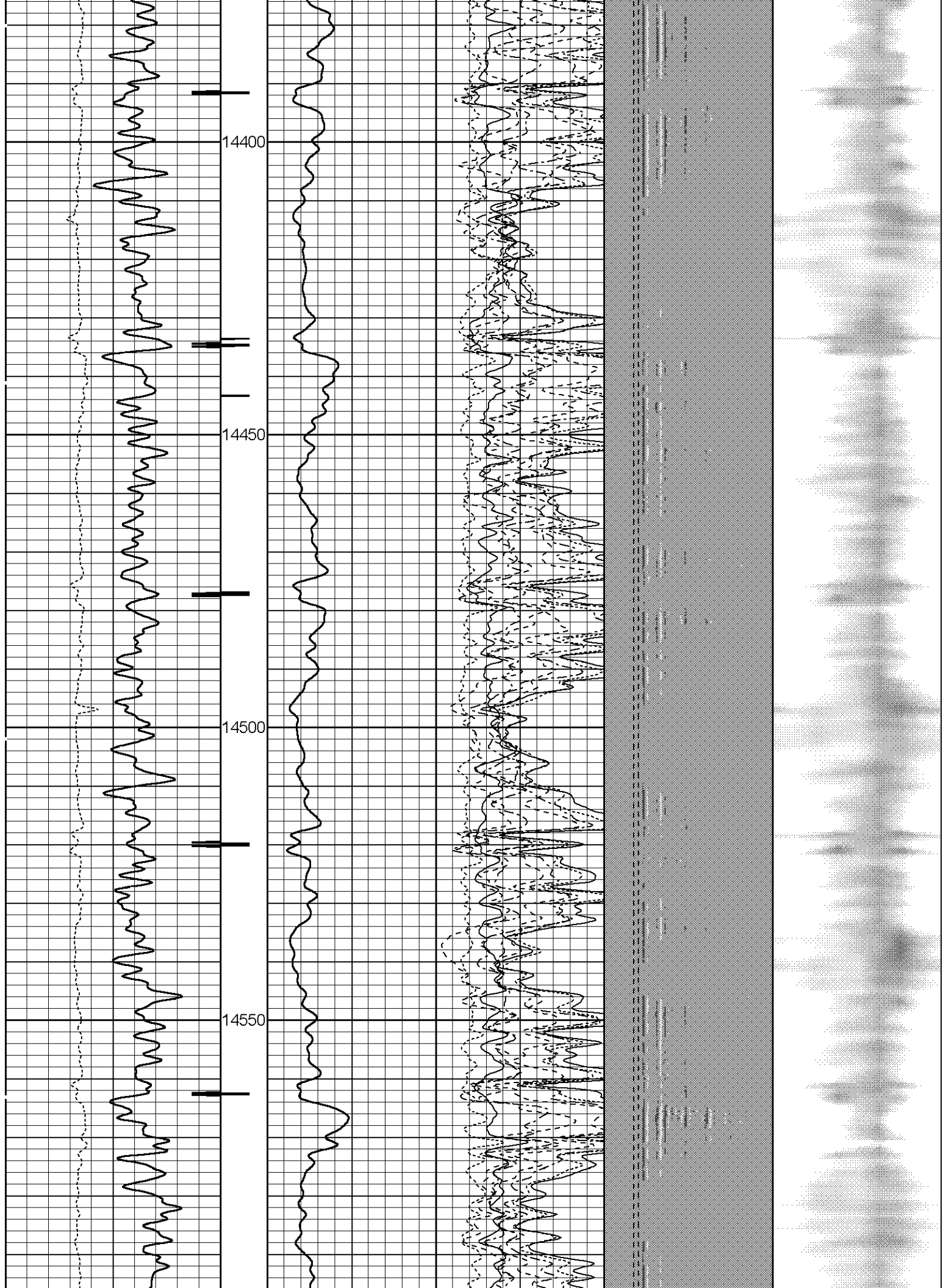


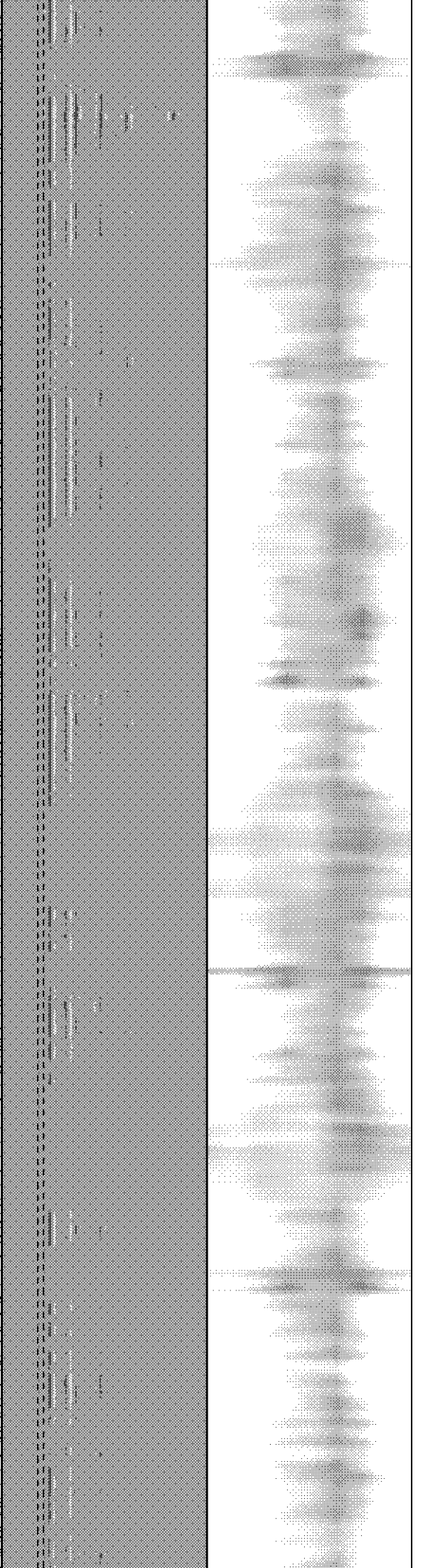
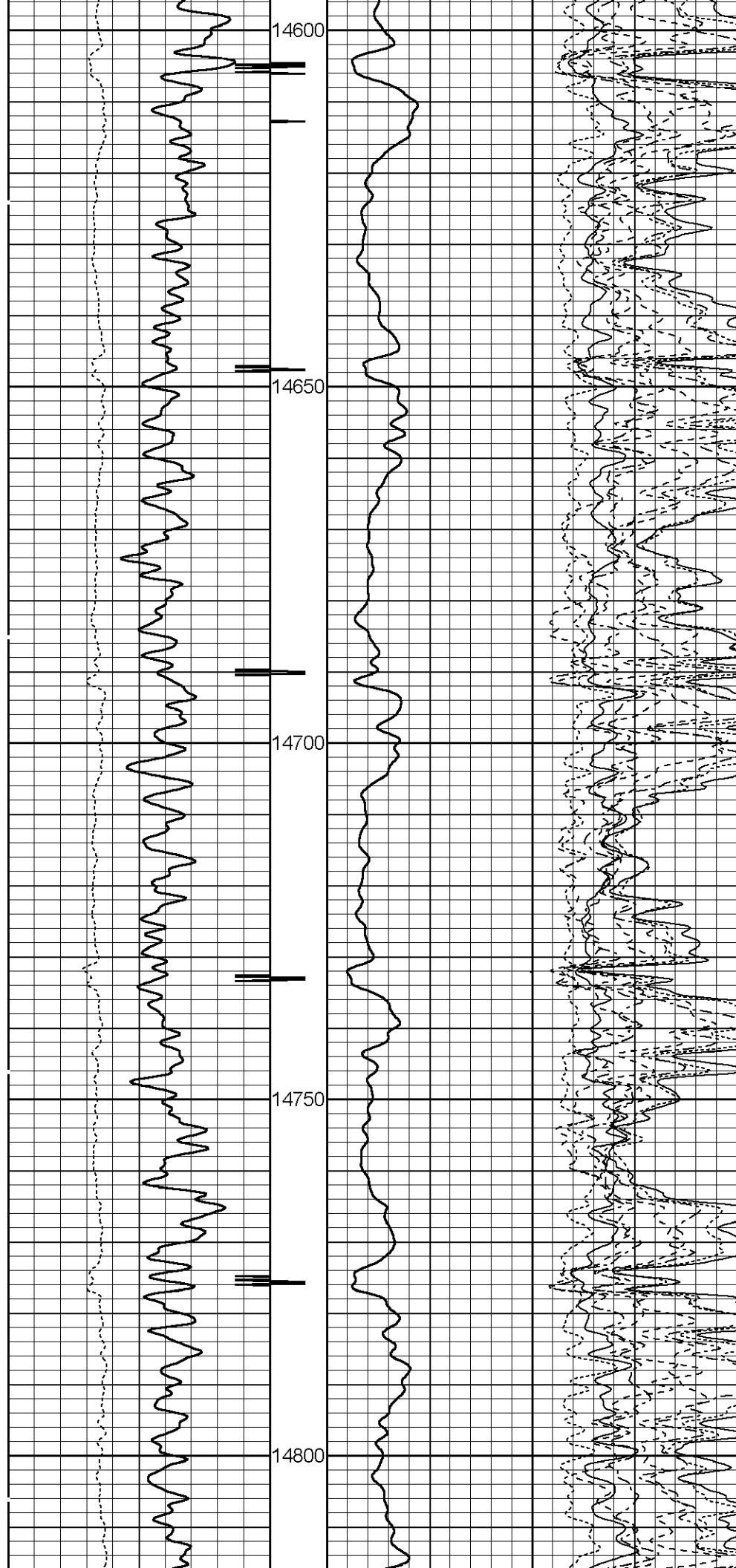


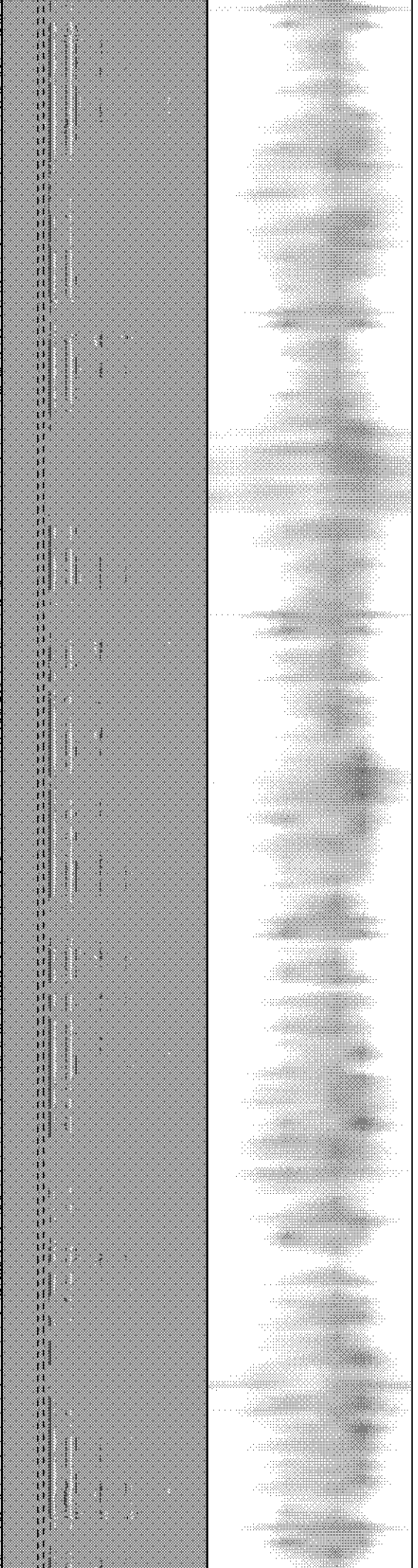
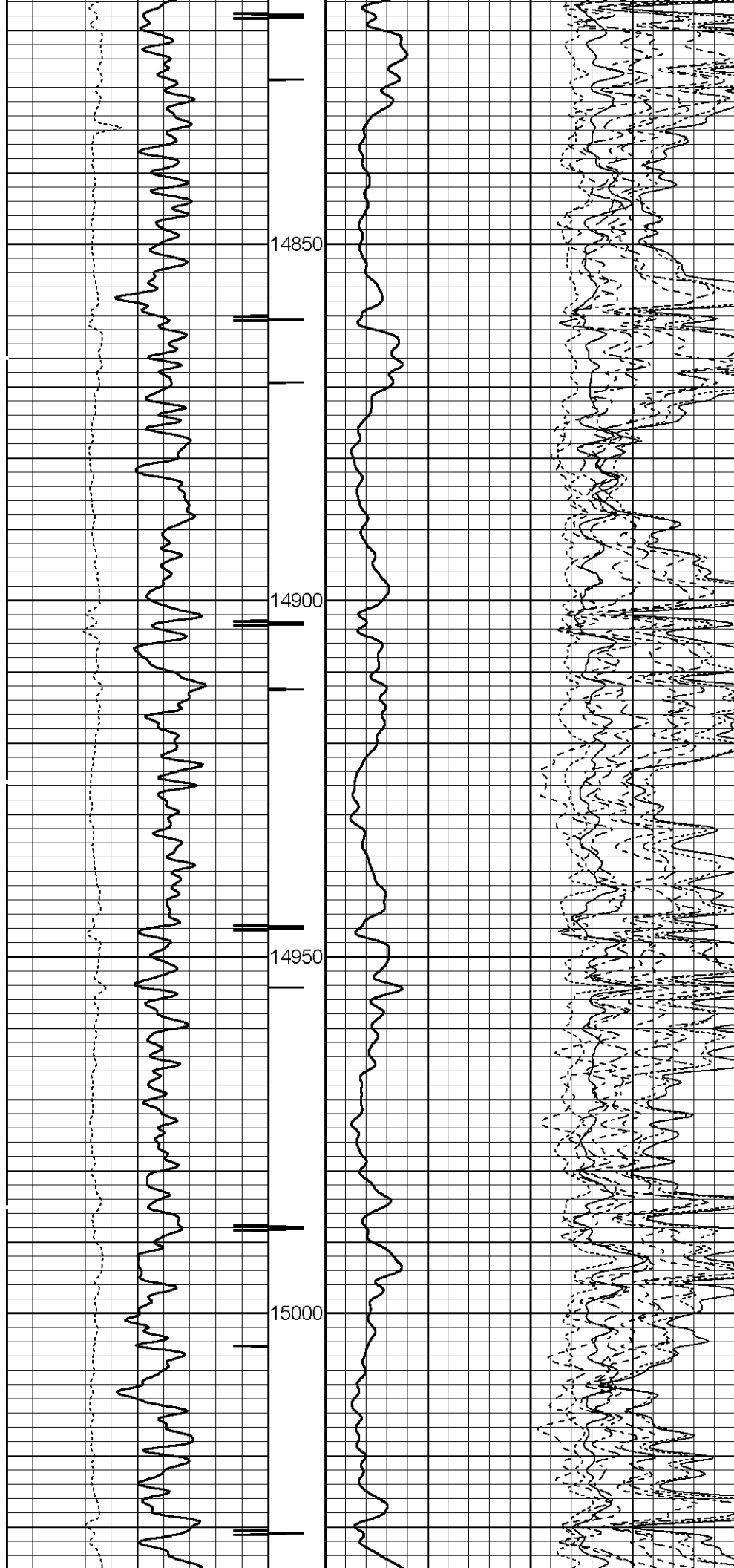


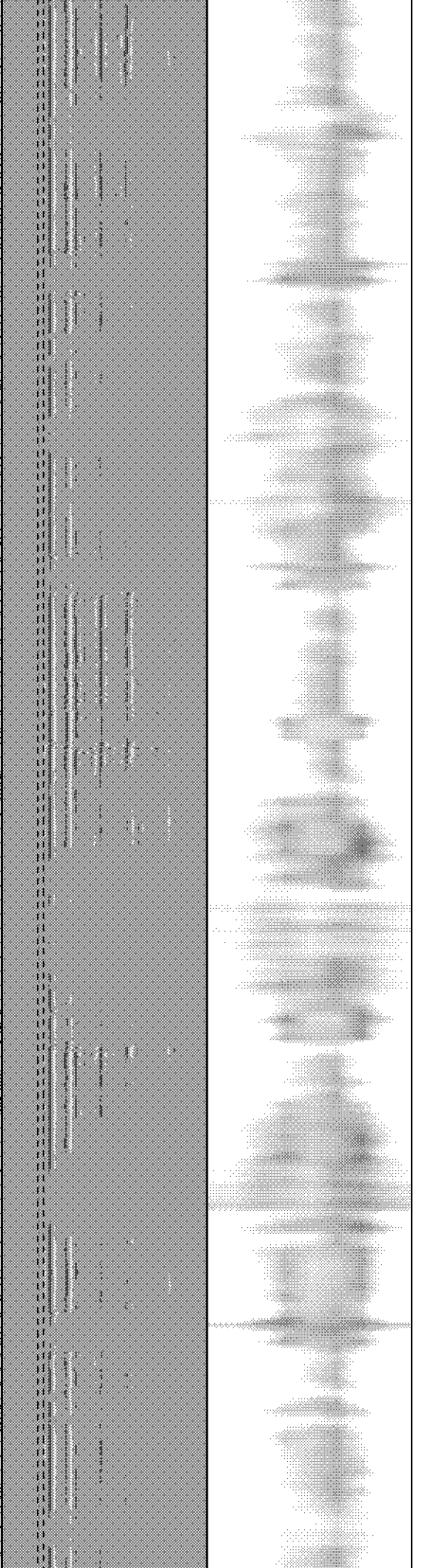
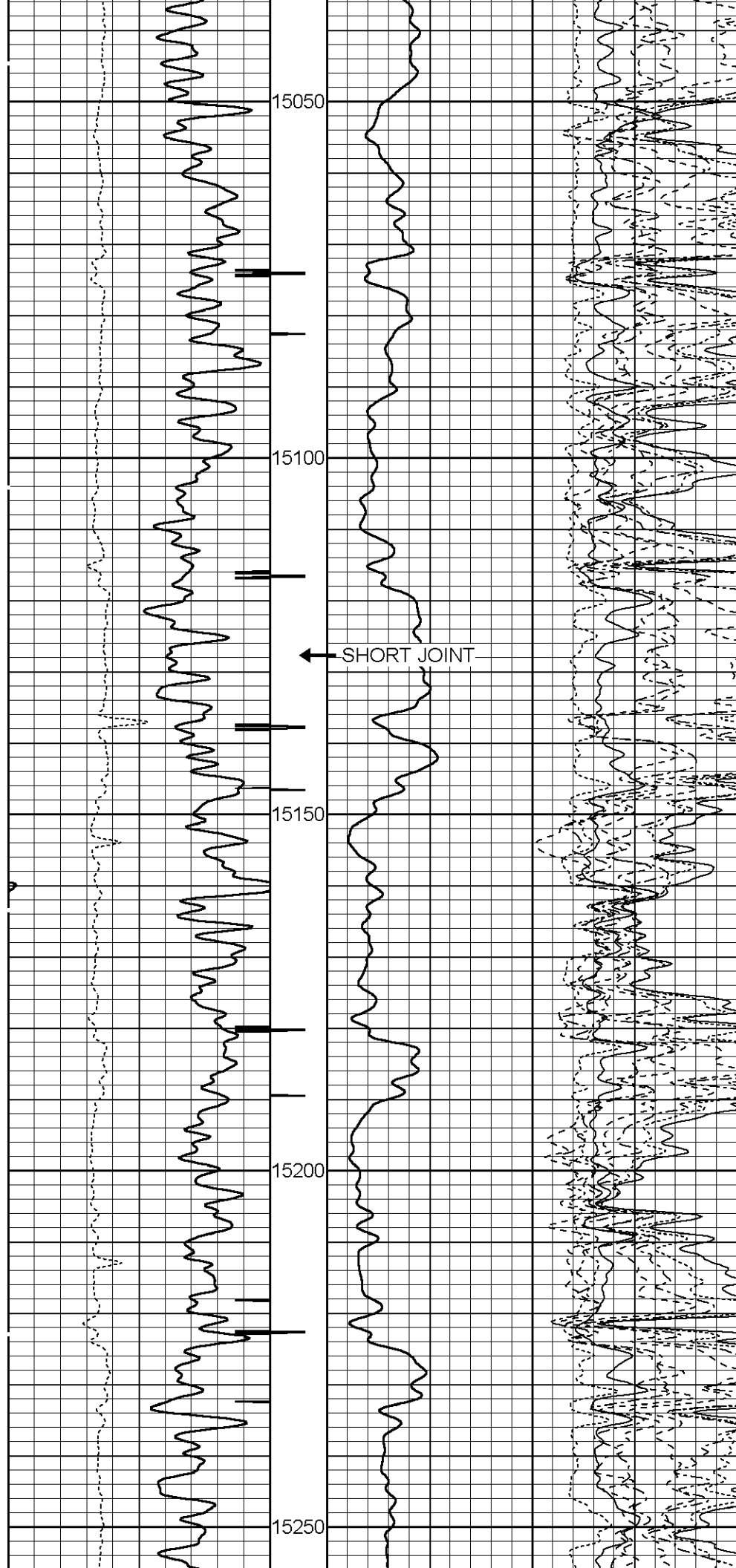


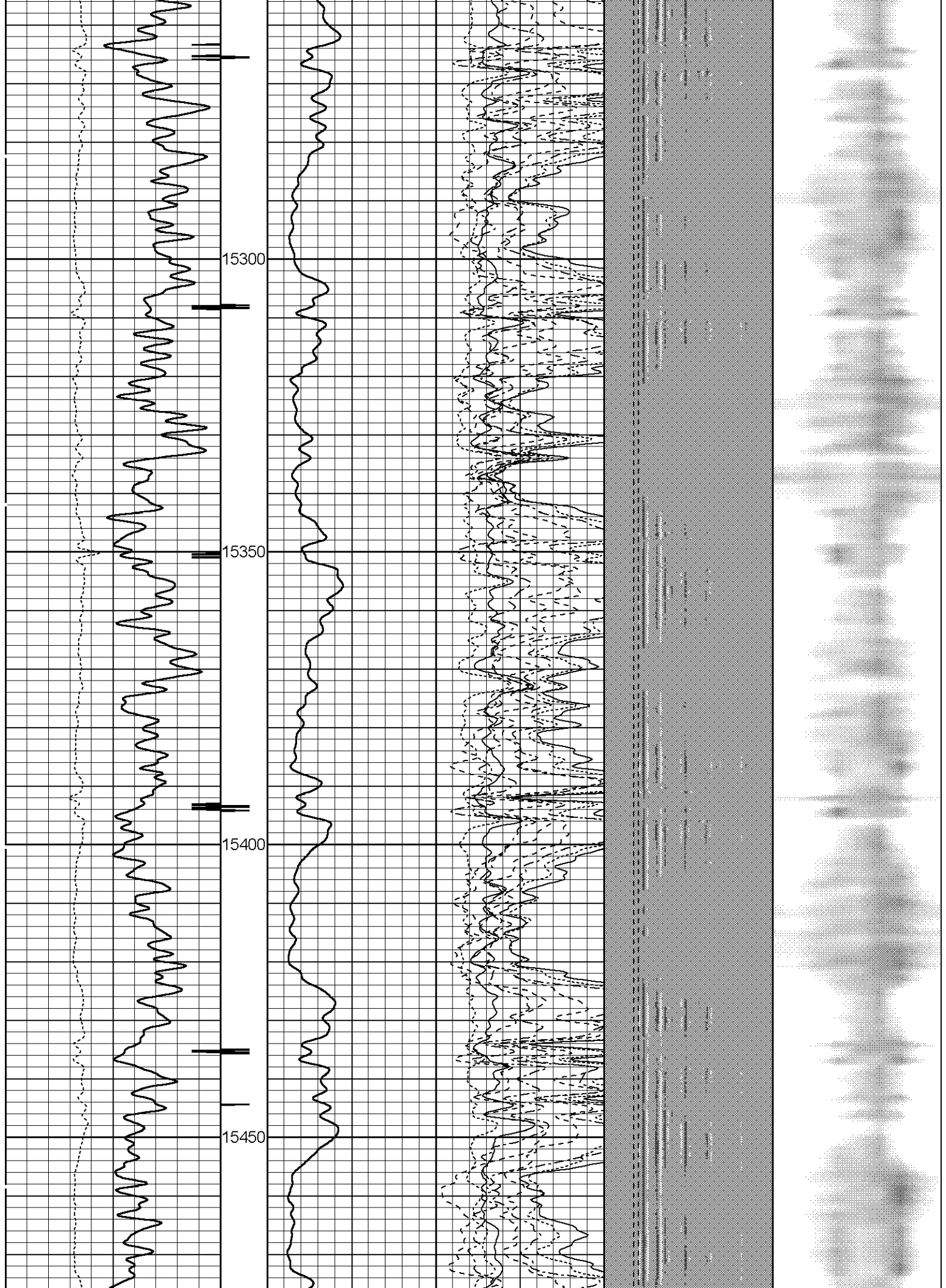


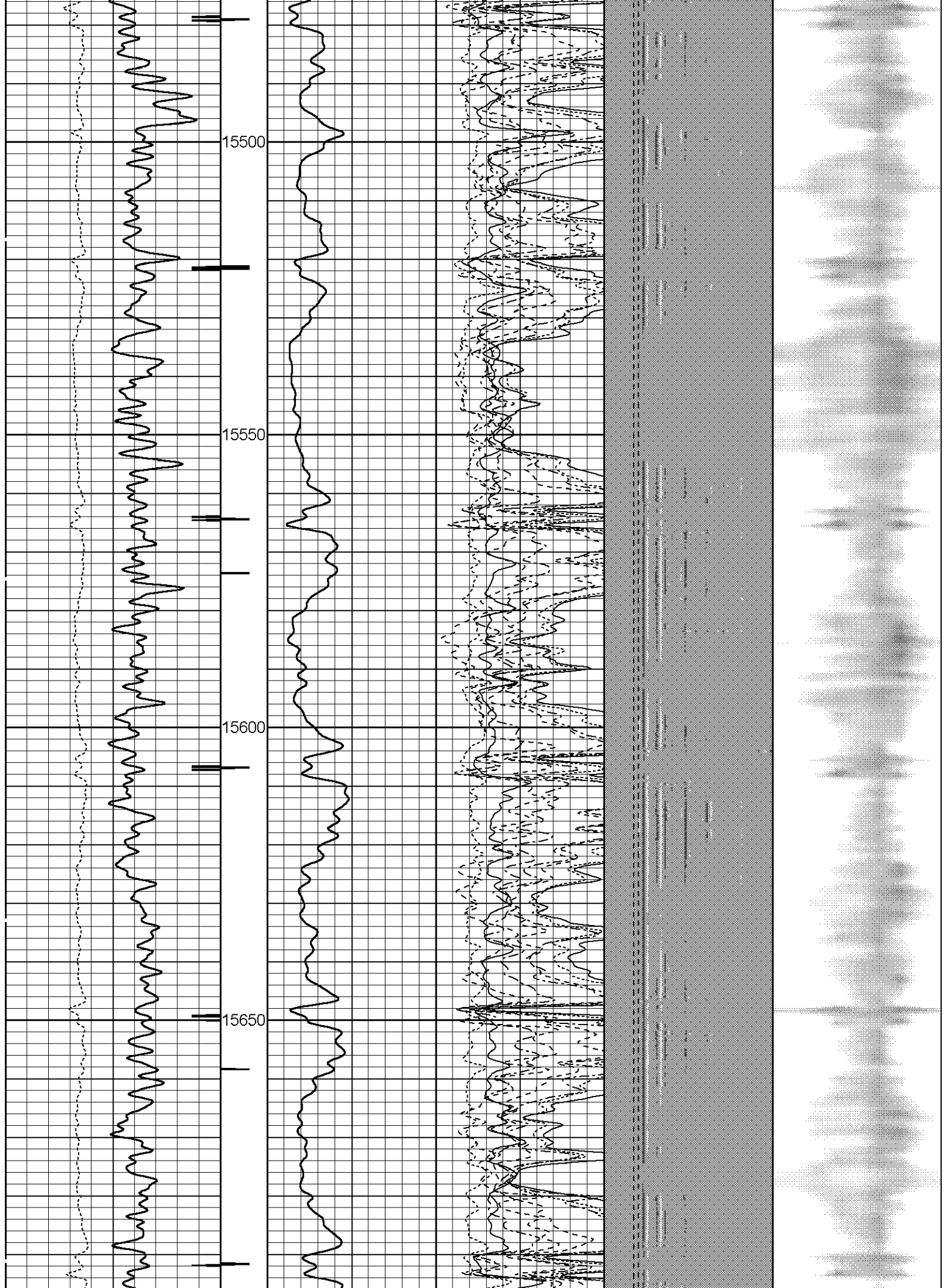


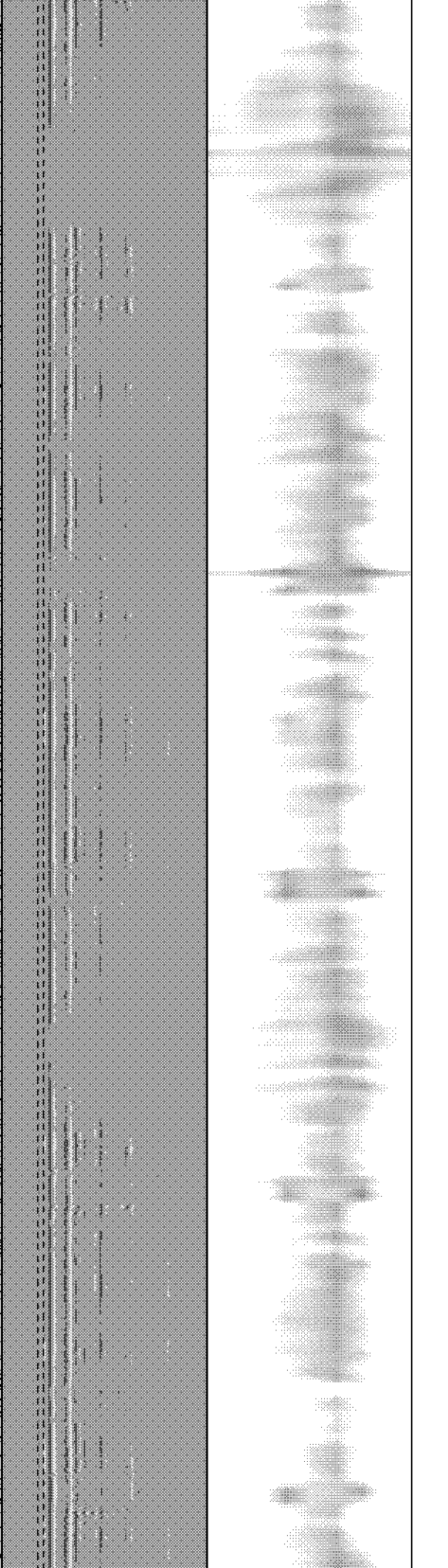
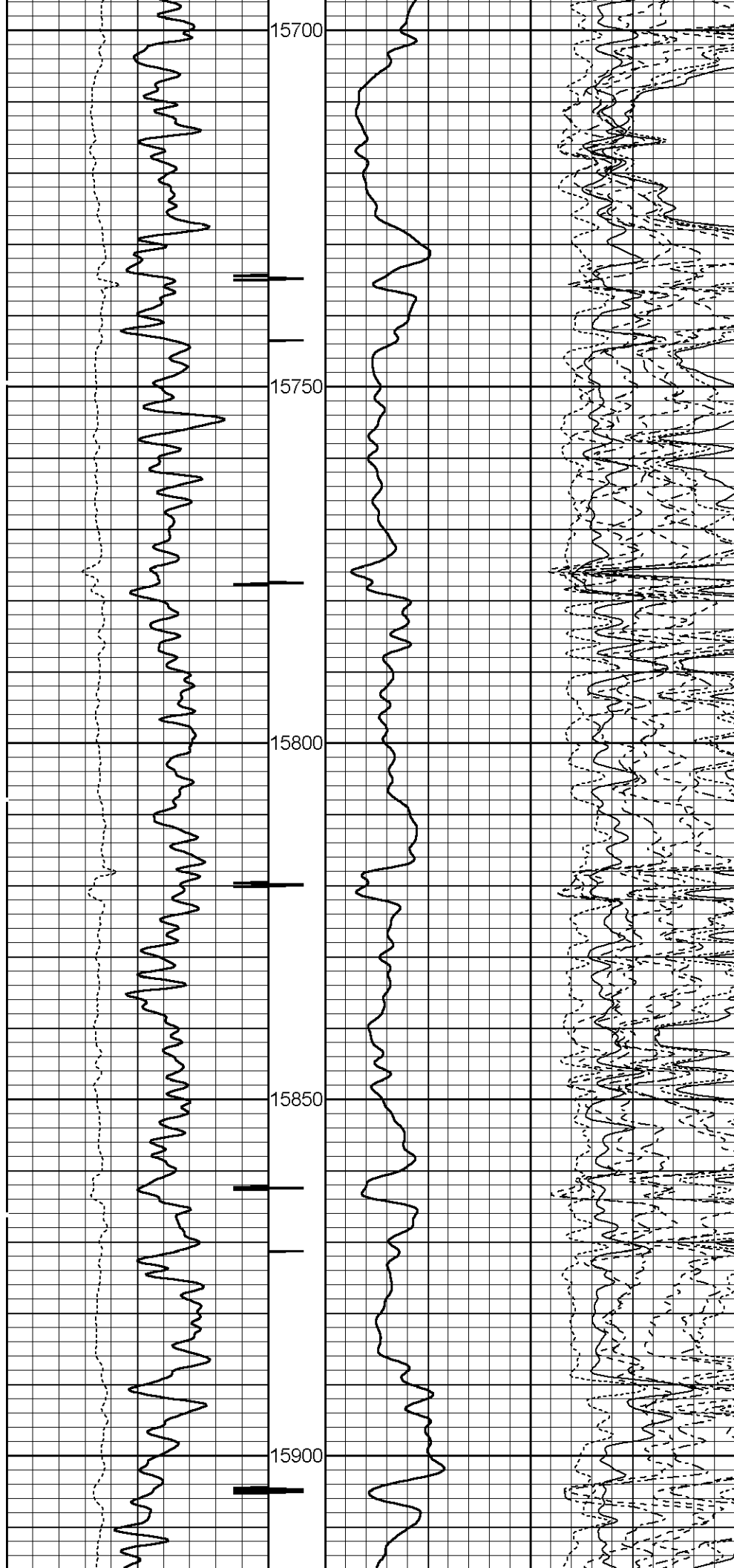


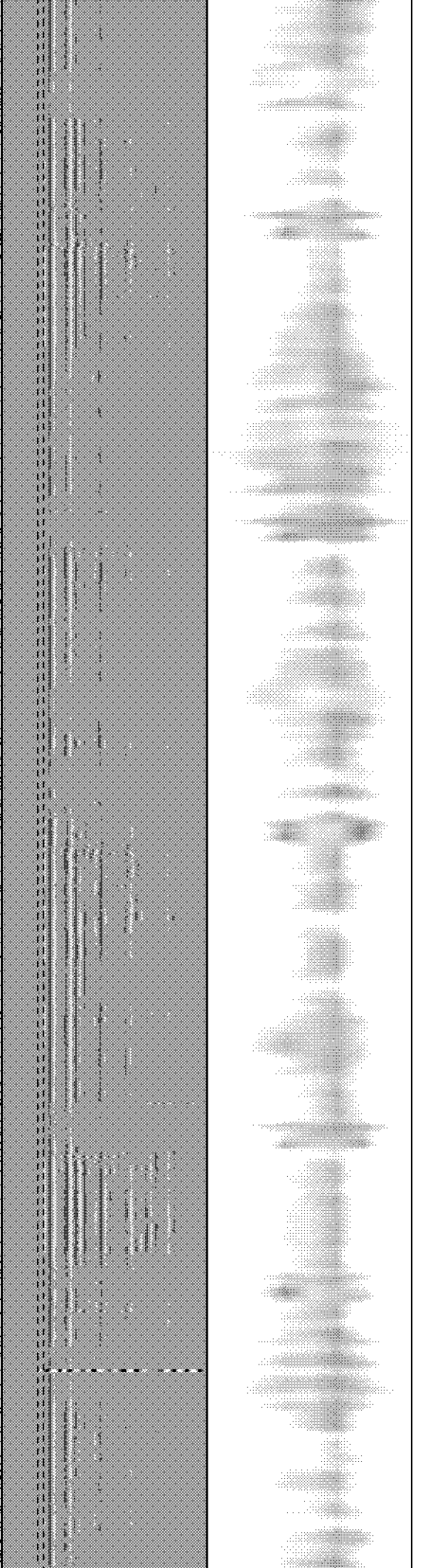
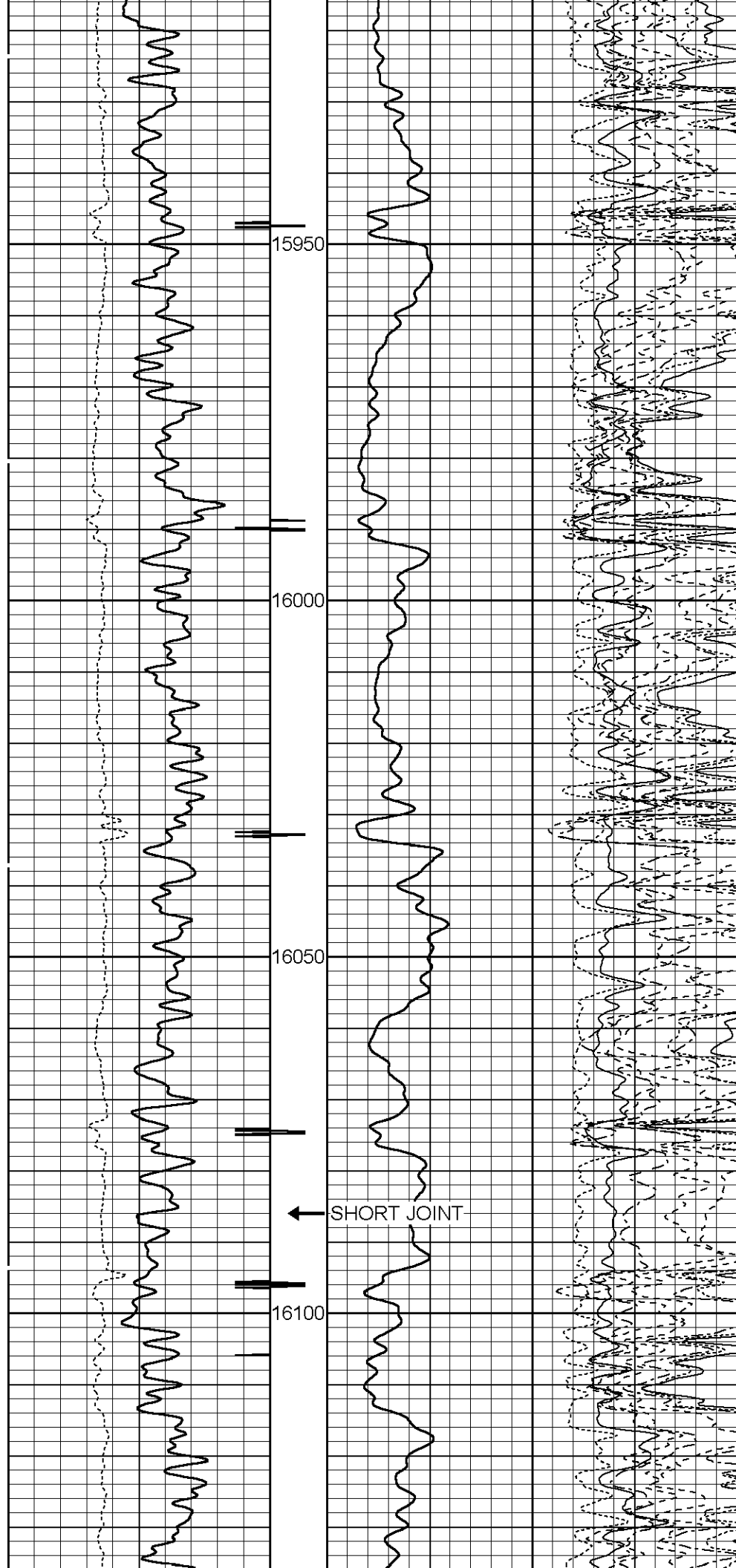


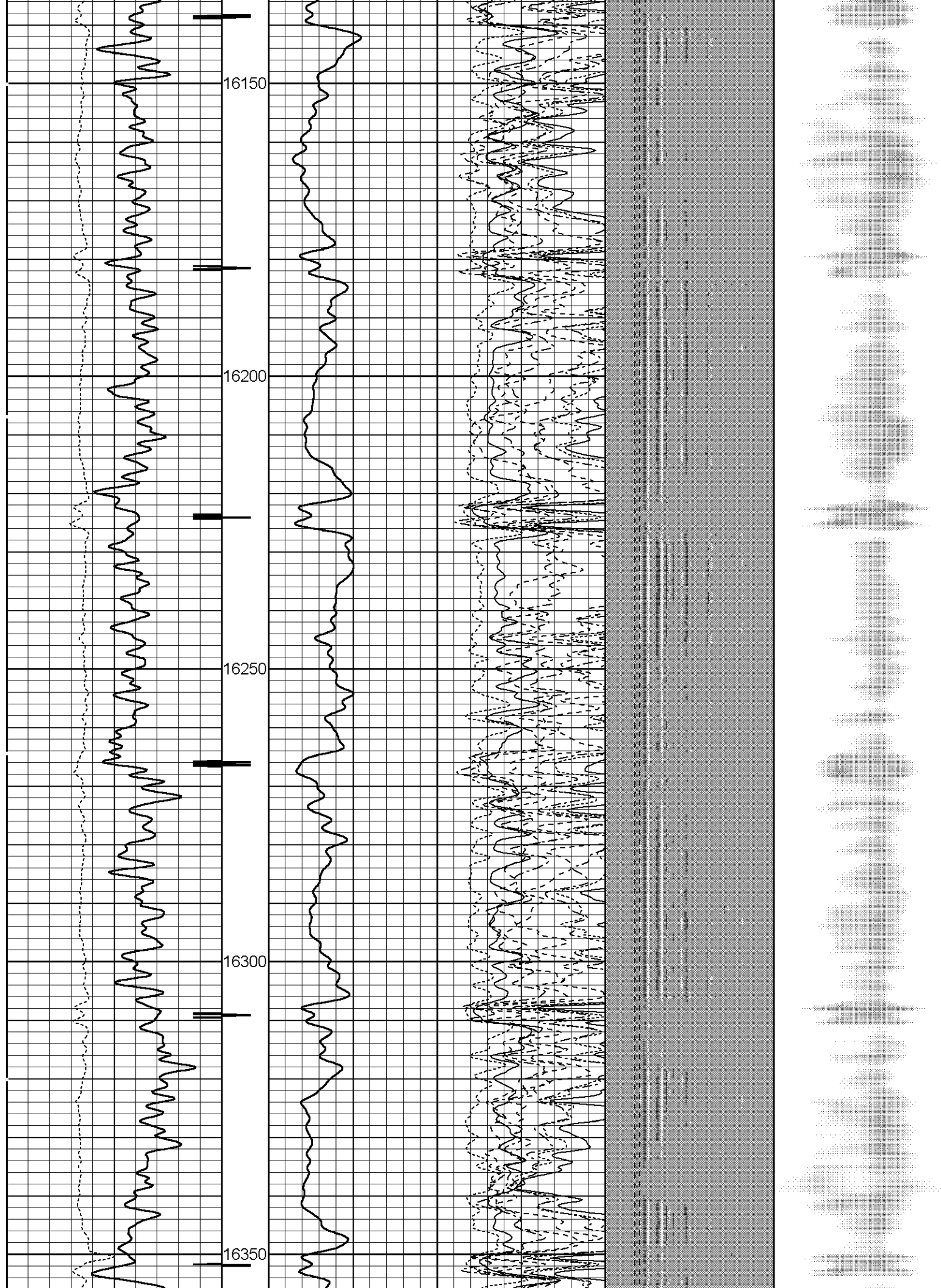


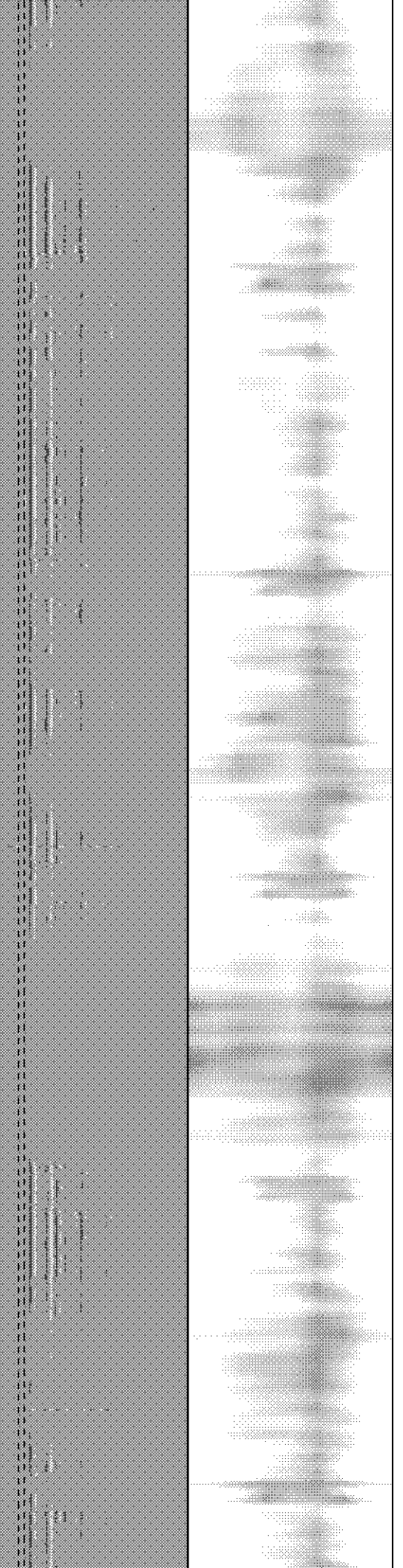
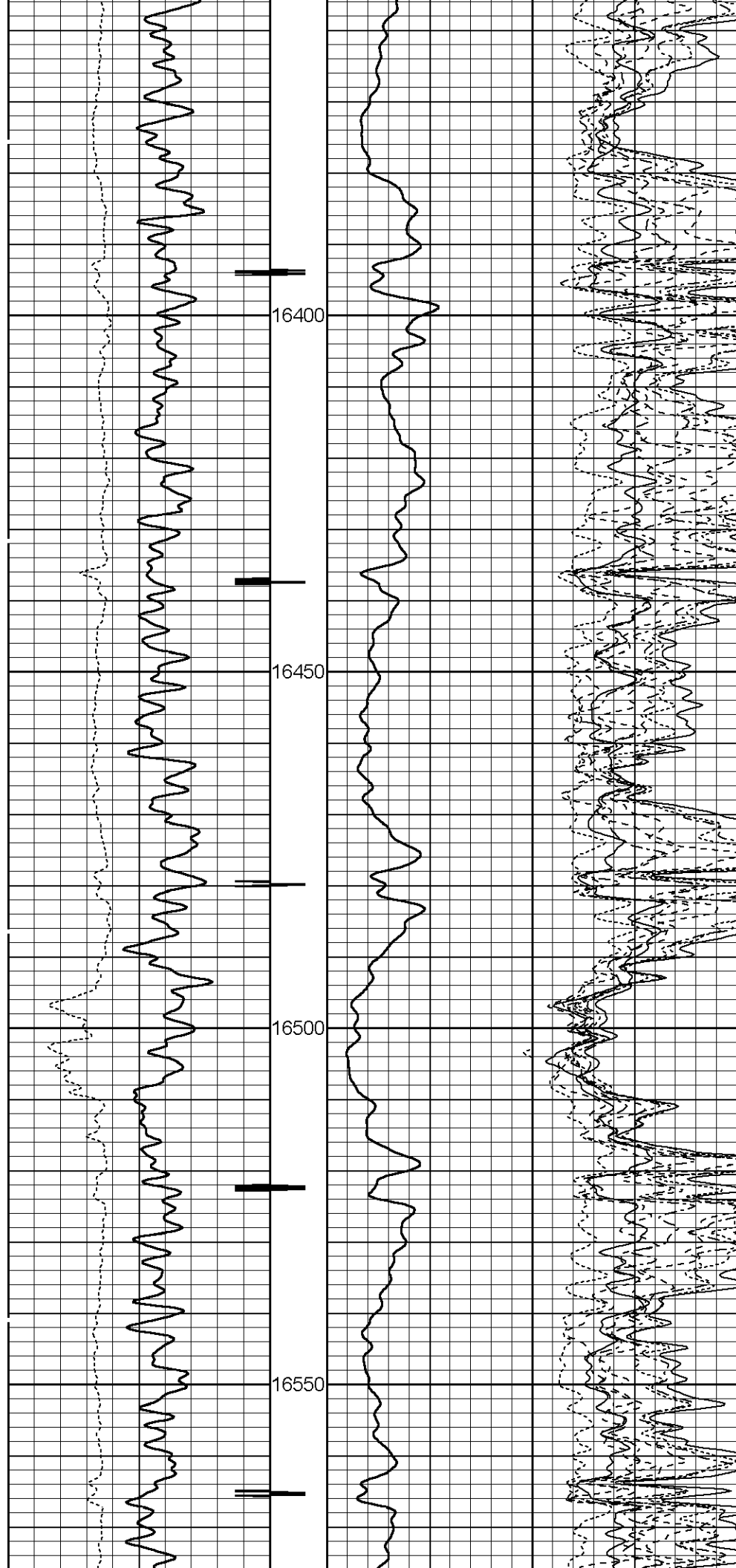


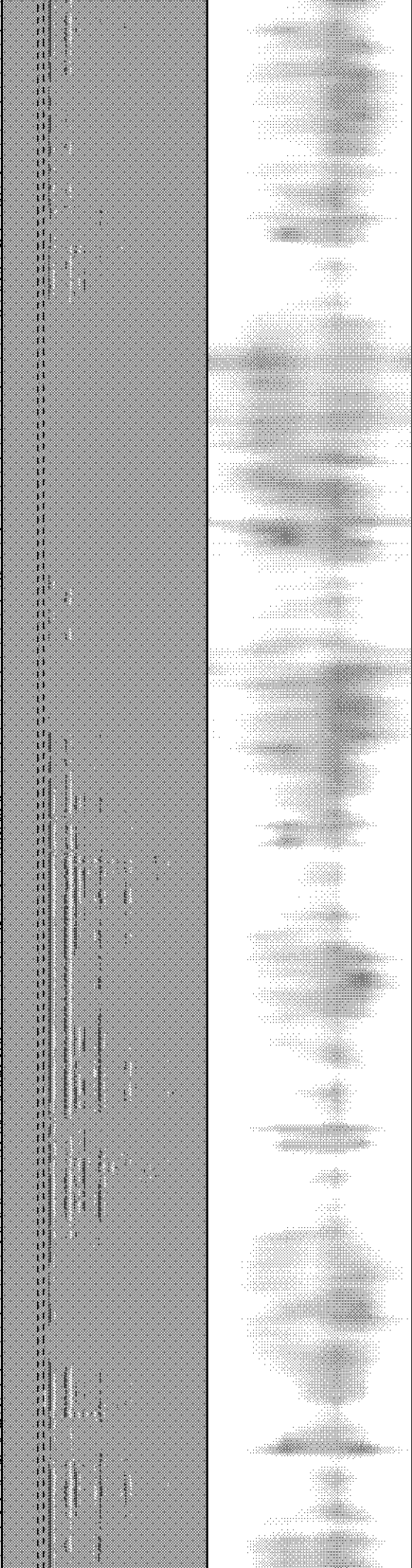
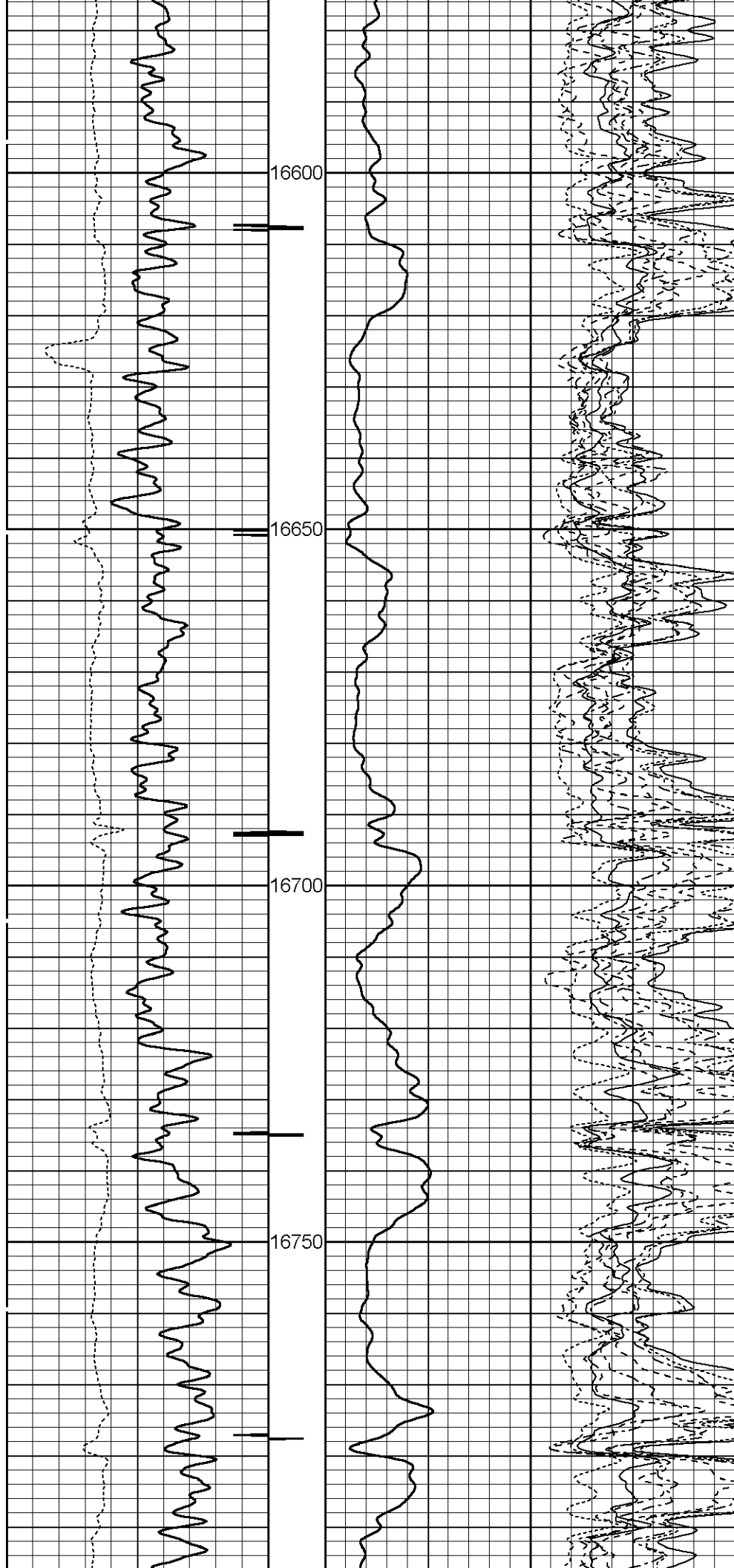


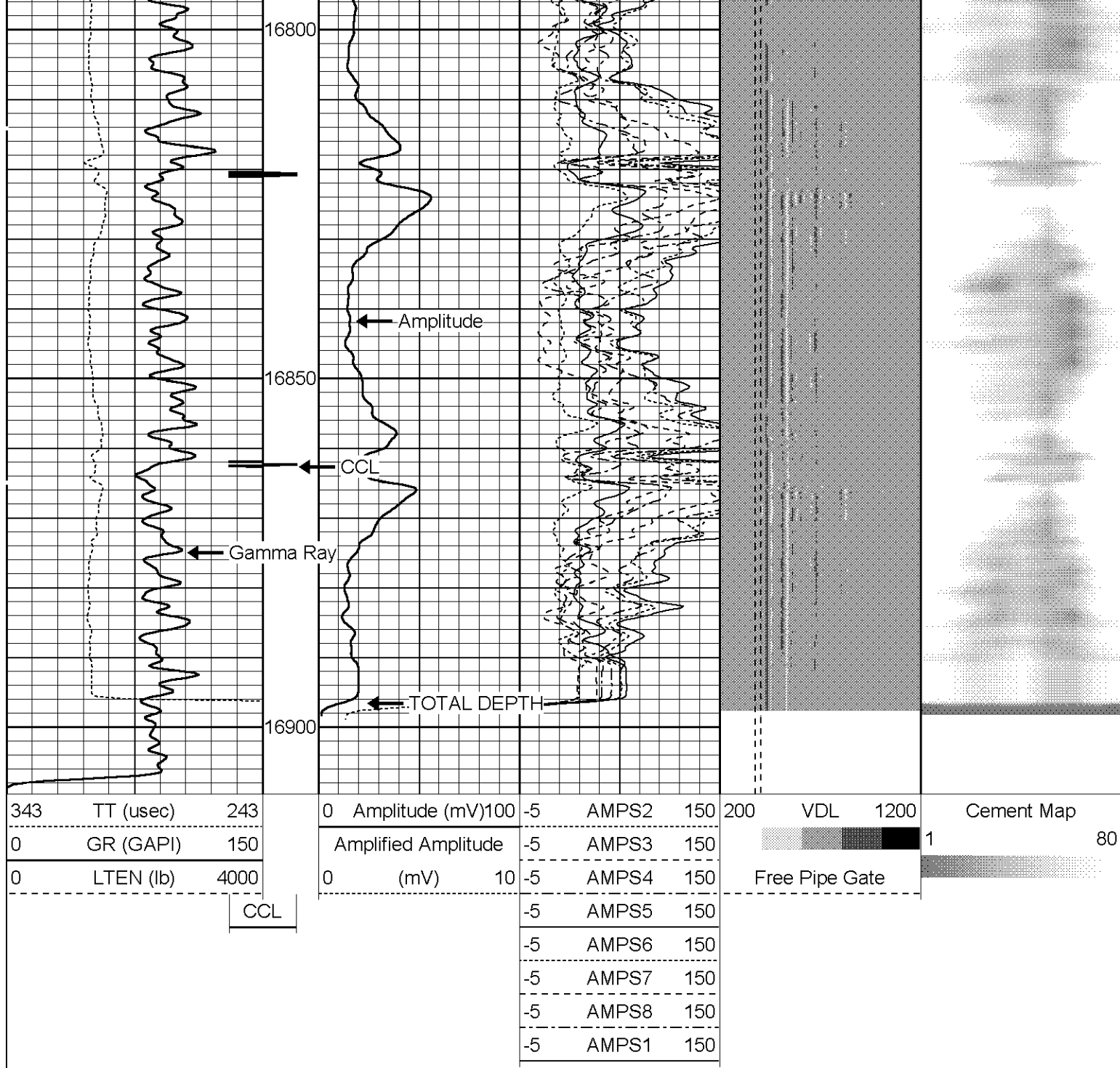












Cutters
 Wireline Services, Inc.
 A Cased Hole Wireline Company

HDU 9-11AH

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			1.4375CHD Titan Cable Head 1 7/16	1.00	1.44	10.00
			Probe	2.86	2.75	40.00

