

**RADIAL CEMENT BOND  
GAMMA RAY  
CCL**

Company GREAT WESTERN OIL & GAS  
Well POSTLE IC 11-162HN  
Field WATTENBERG  
County WELD State CO

Location: API # : 05-123-39252  
LAT: 40.24370 LONG:-104.978058  
SW/NW  
SEC 11 TWP 3N RGE 68W  
Permanent Datum GL Elevation 4977'  
Log Measured From KB 16'  
Drilling Measured From KB  
Other Services  
KB. 4993'  
D.F. 4992'  
G.L. 4977'

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Date 11-12-2014  
Run Number ONE  
Depth Driller 11974'  
Depth Logger 7245'  
Bottom Logged Interval 7245'  
Top Log Interval SURFACE  
Open Hole Size 7.875  
Type Fluid WATER  
Density / Viscosity 1.0  
Max. Recorded Temp. 228 DEG F  
Estimated Cement Top 108'  
Time Well Ready N/A  
Time Logger on Bottom N/A  
Equipment Number 4310  
Location GREELEY  
Recorded By N. BREHMER  
Witnessed By L. MAHONEY

Borehole Record  
Run Number Bit From To Size Weight From To

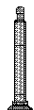
Casing Record  
Surface String 9.63 Wgt/Ft 36# Top SURFACE Bottom 1025'  
Prot. String  
Production String 7 23# SURFACE 7620'  
Liner 4.5 11.6# 7187' 11974'

<<< Fold Here >>>

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

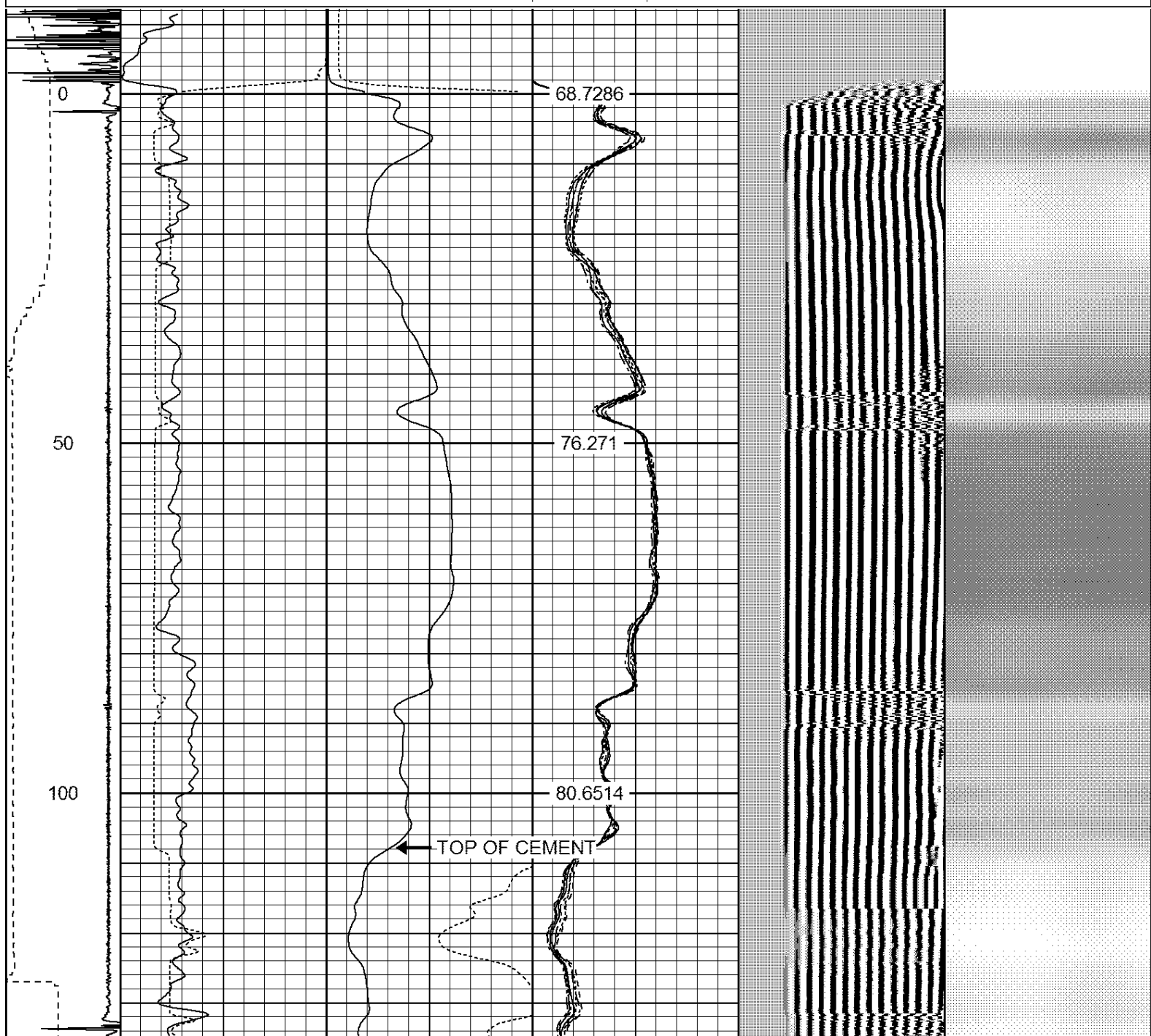
RAN CBL TO VERIFY CEMENT BOND  
CORRELATED TO LINER TOP@7187'  
14' UP HOLE CORRECTION  
2500 PSI  
  
THANK YOU FOR USING WARRIOR !!!!!!!

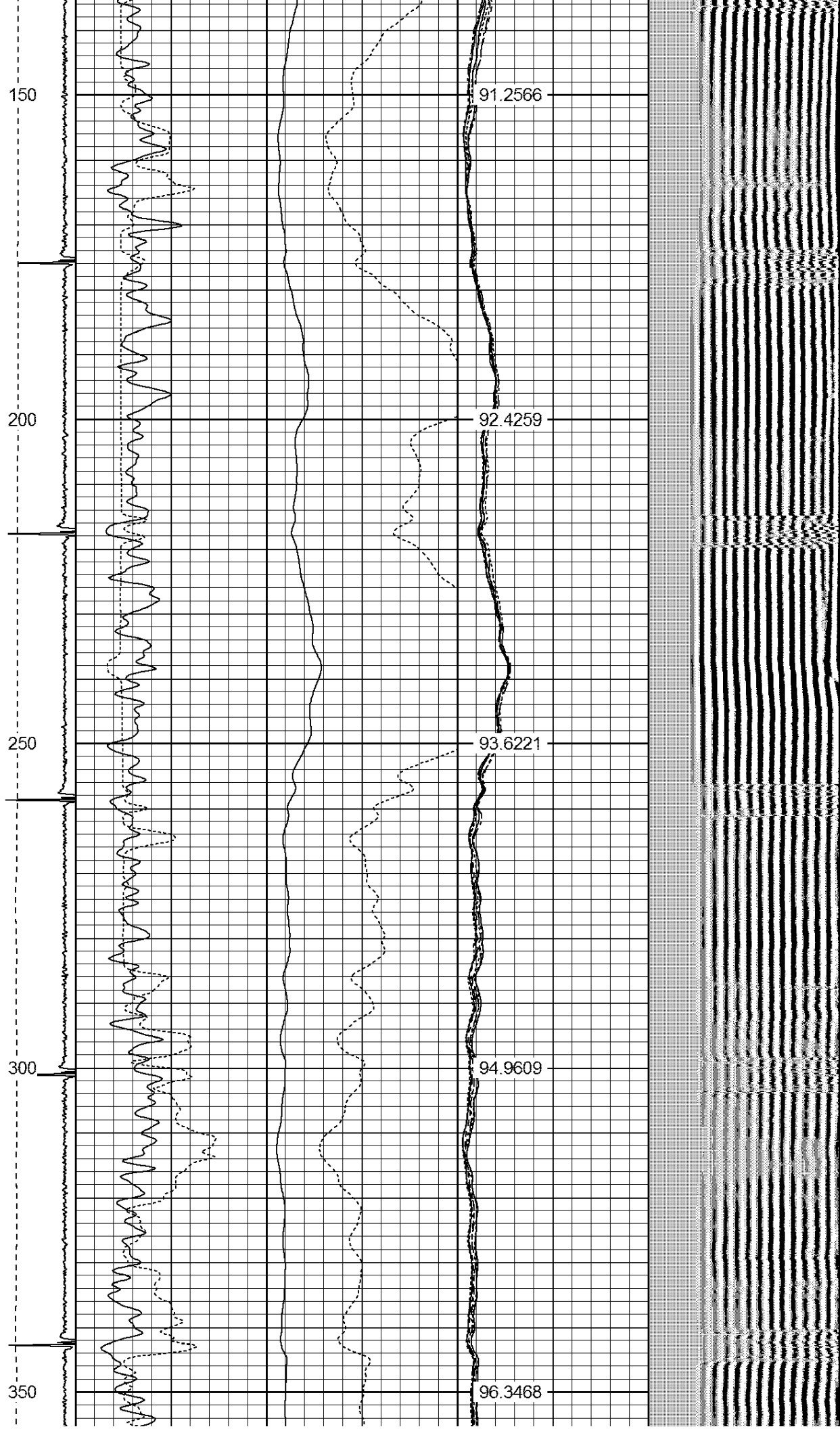
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			1_4	1.00	1.36	5.00

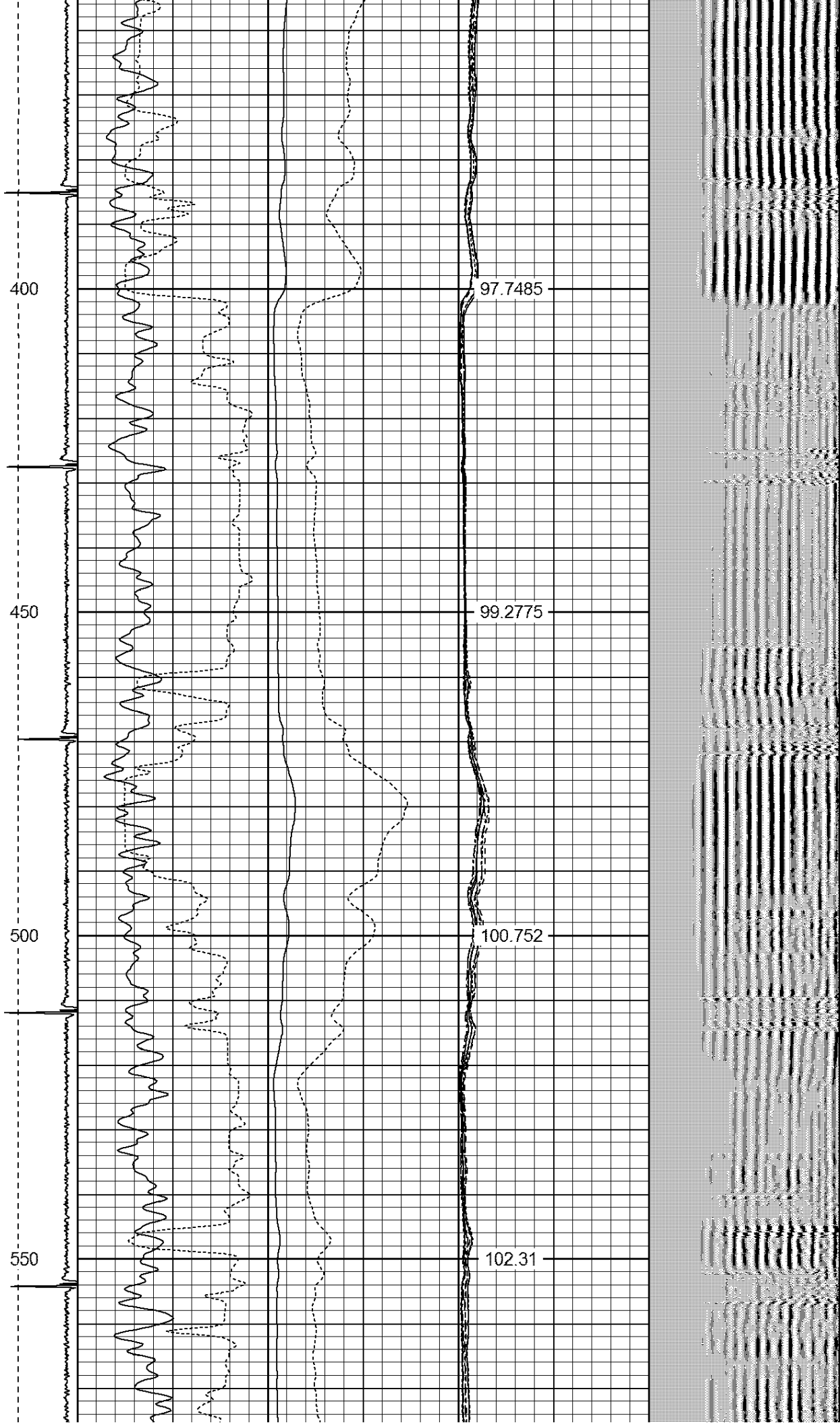


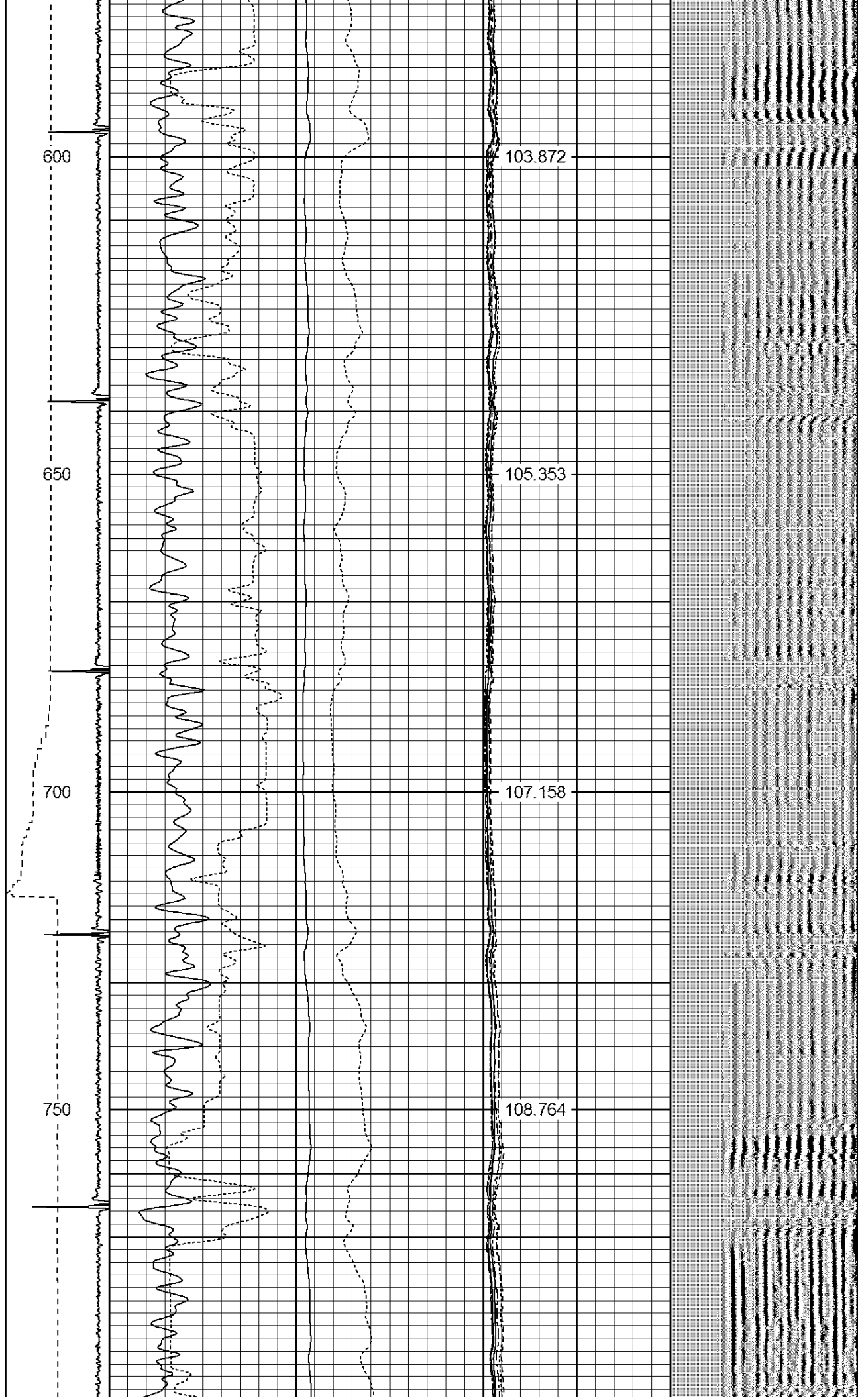
Database File: postle ic 11-162hn.db  
 Dataset Pathname: pass3  
 Presentation Format: ips\_rbt  
 Dataset Creation: Wed Nov 12 12:13:30 2014 by Log 7.0 B1  
 Charted by: Depth in Feet scaled 1:240

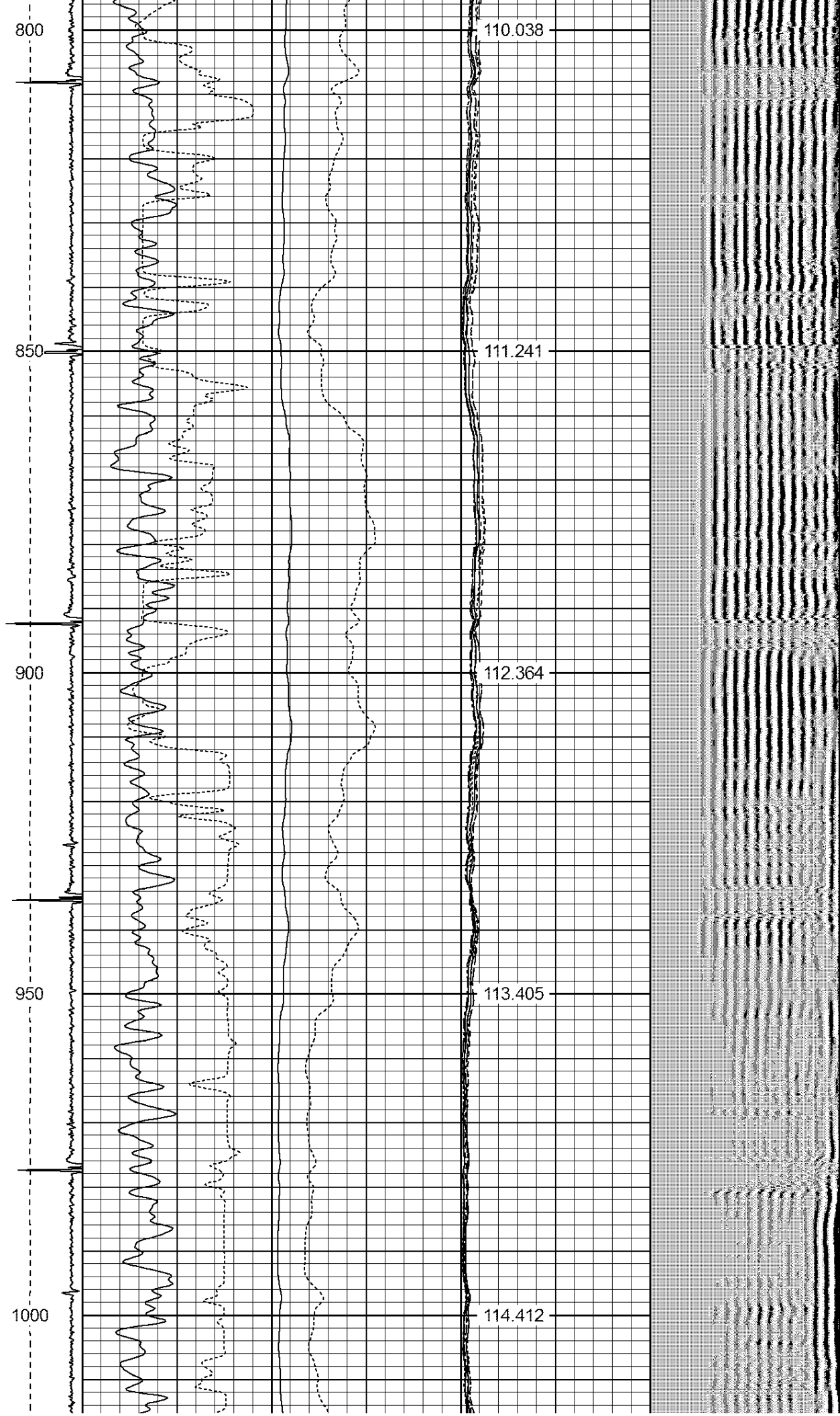
-9	CCL	1	200	TT (usec)	850	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200	1	Cement Map	8
LSPD			0	GR (GAPI)	200	0	AMPx5 (mV)	20	0	AMPS2	100				1		100
(ft/min)			200	GR (GAPI)	400				0	AMPS4	100						
0		250							0	AMPS5	100						
									0	AMPS6	100						
									0	AMPS7	100						
									0	AMPS8	100						
										IntTemp							
										(degF)							

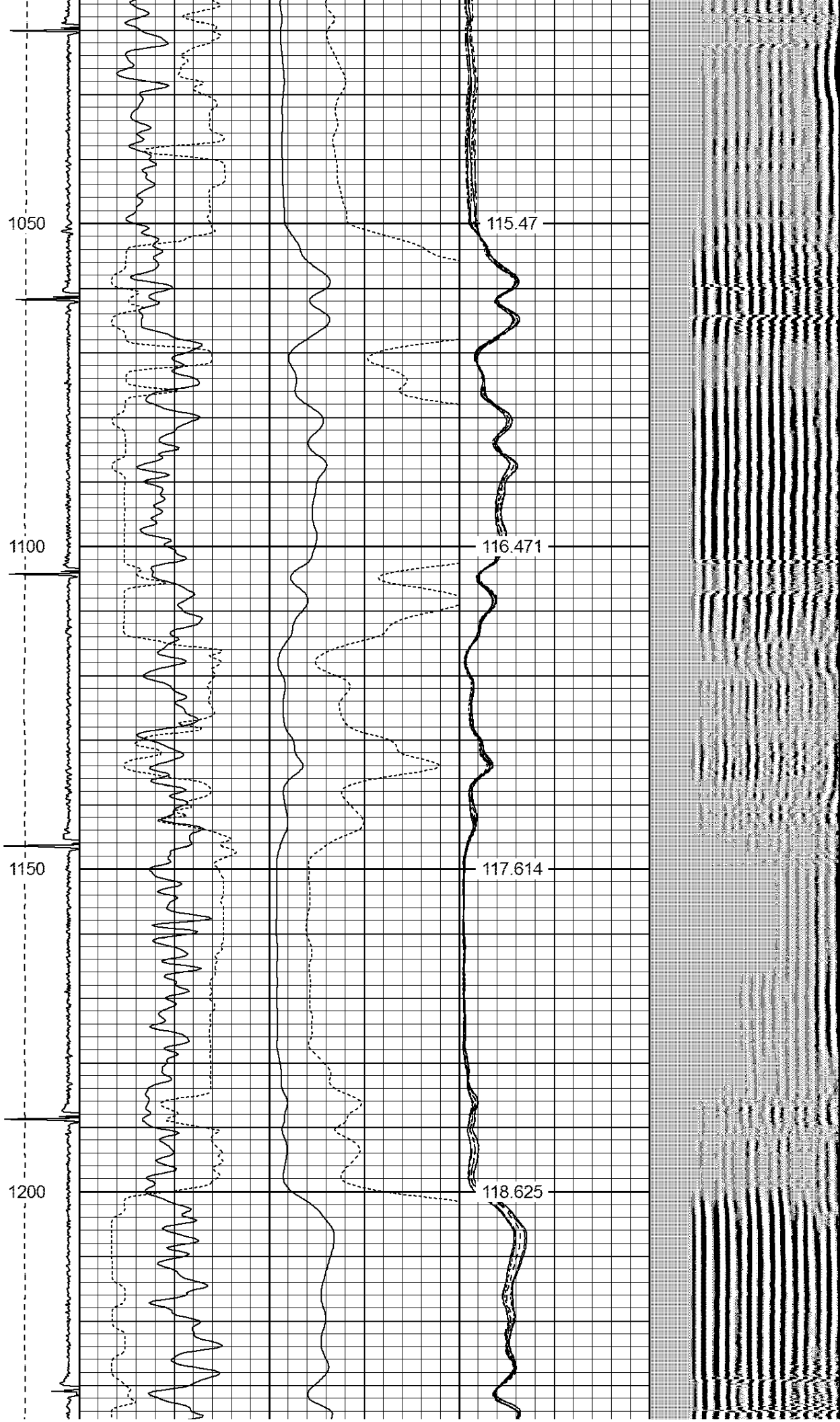


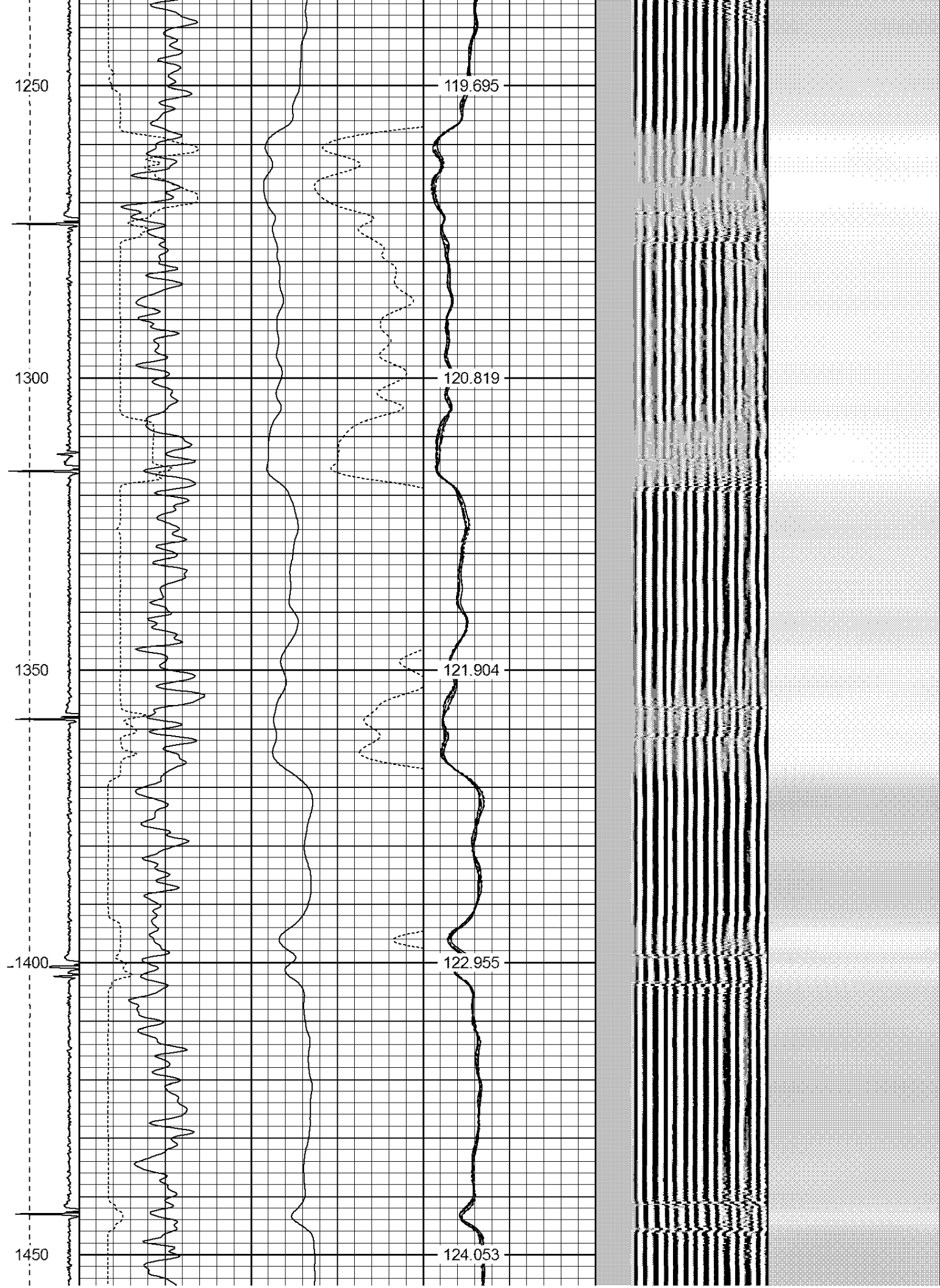


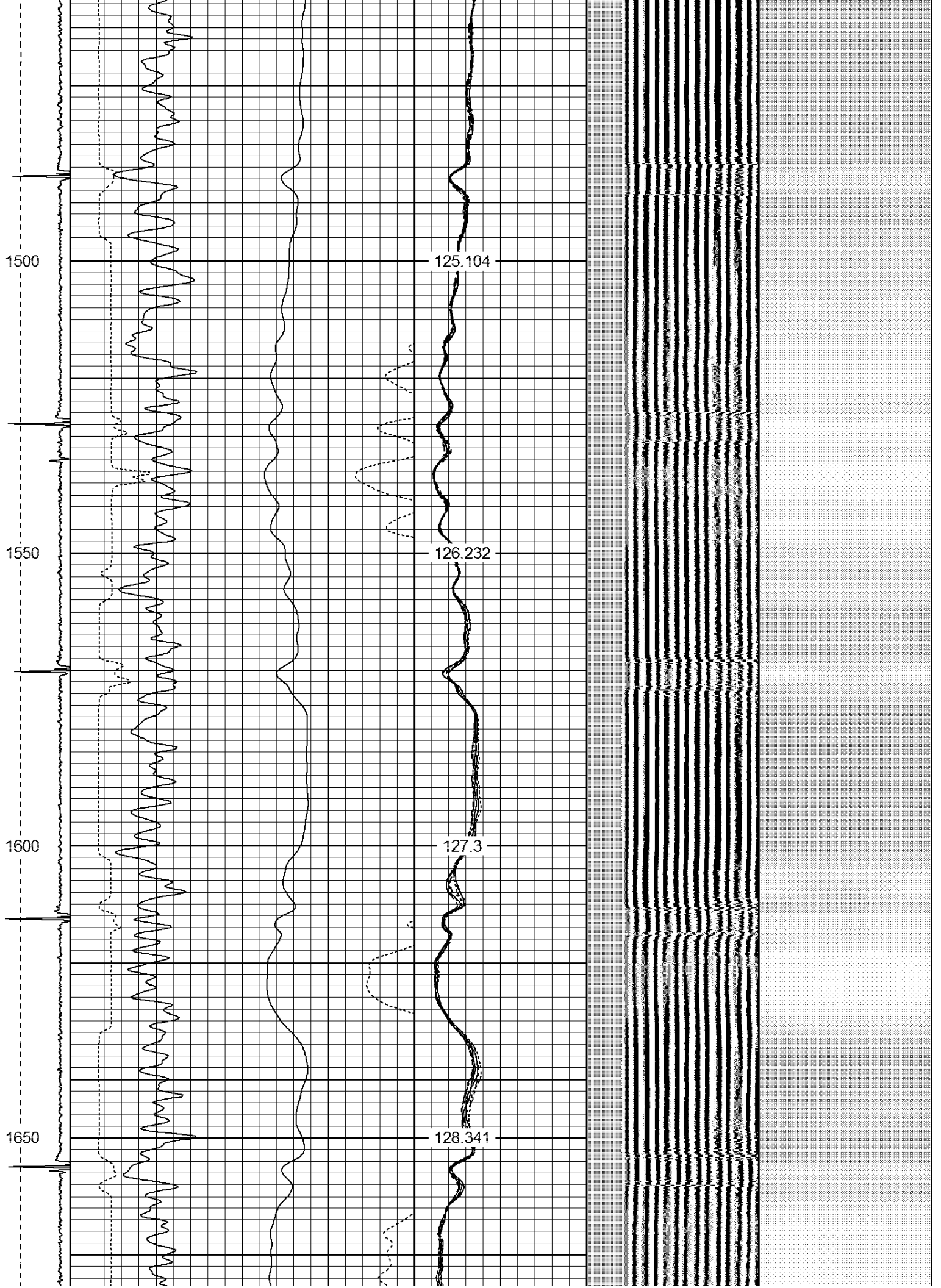


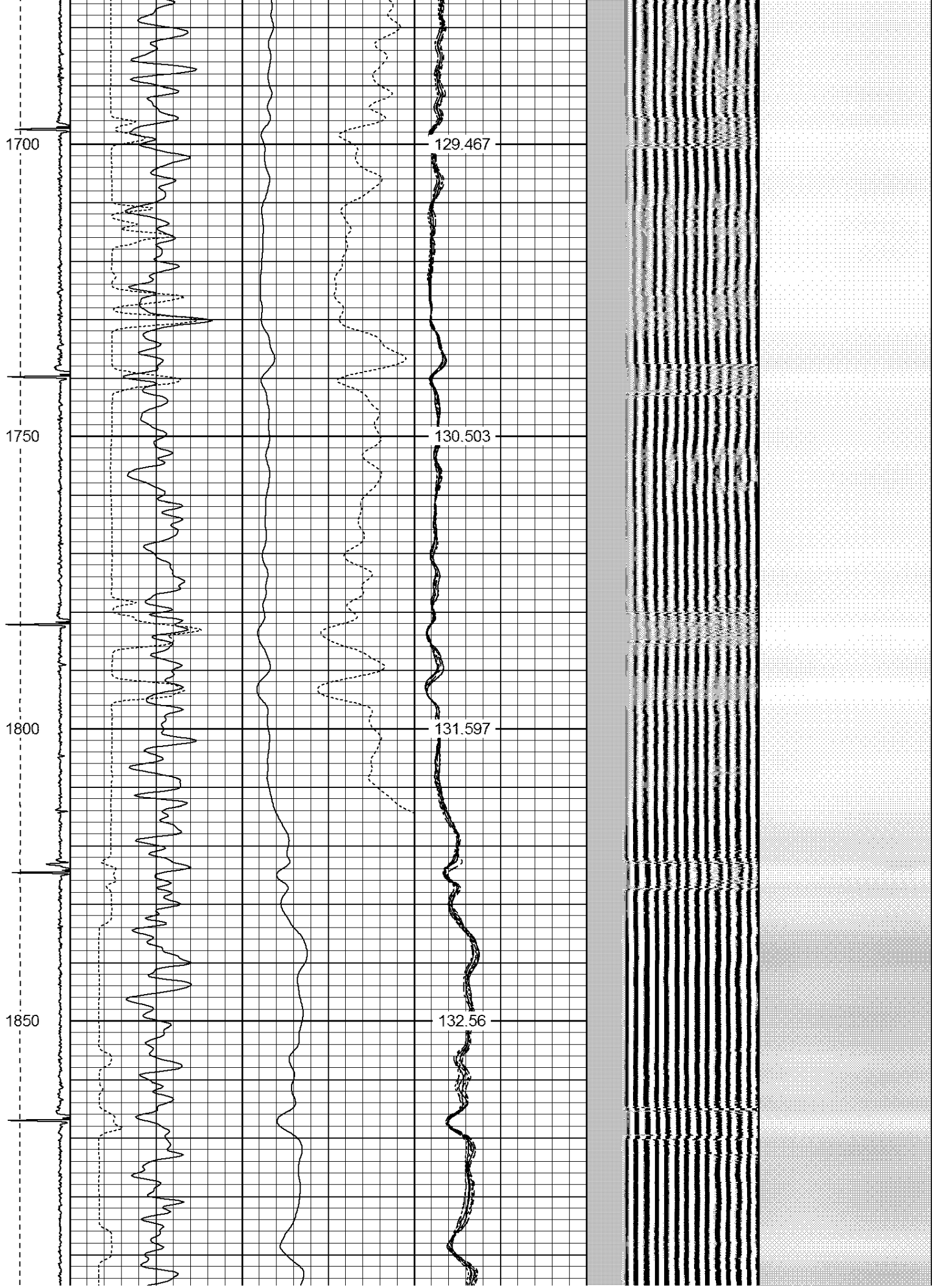


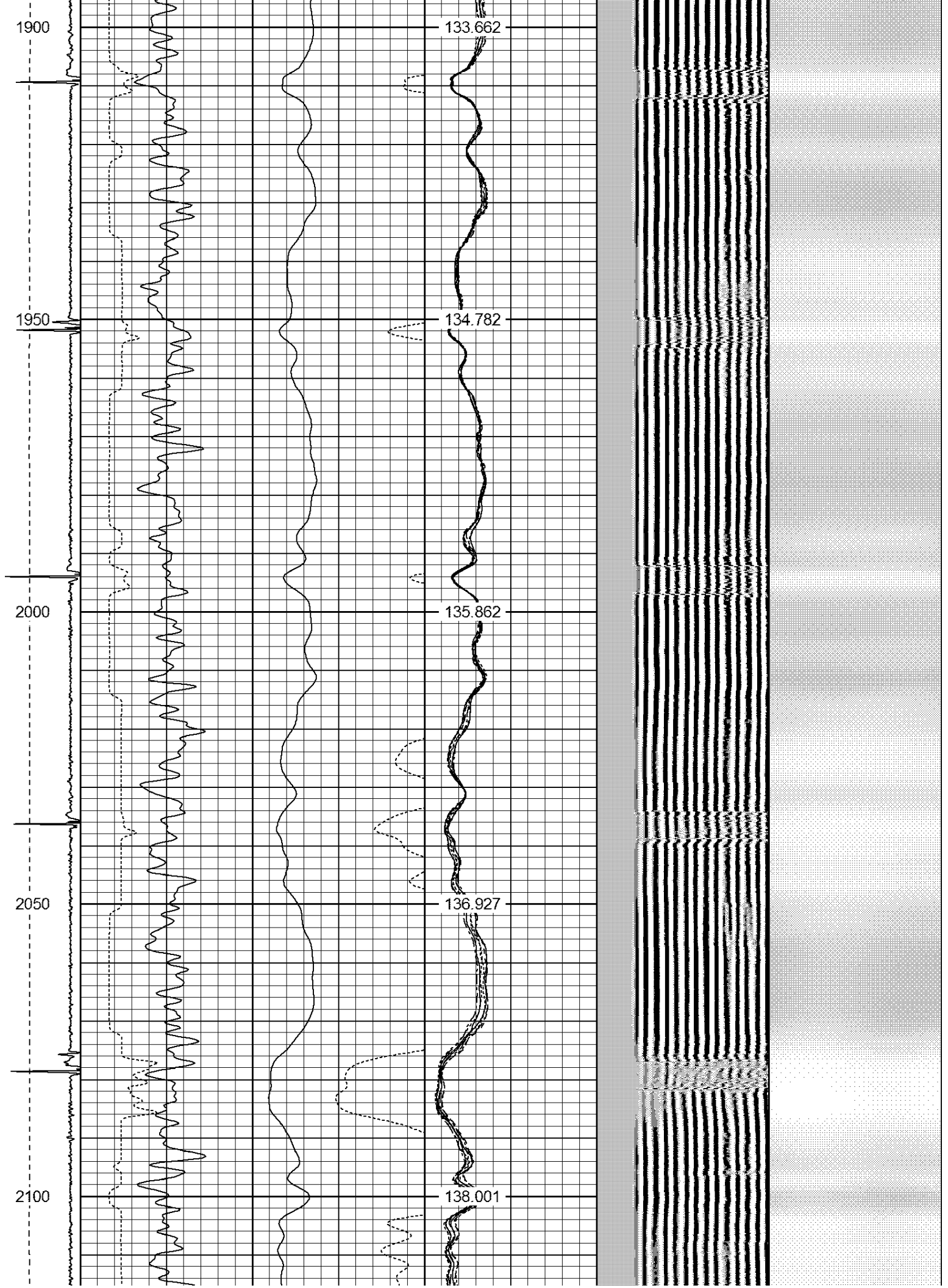


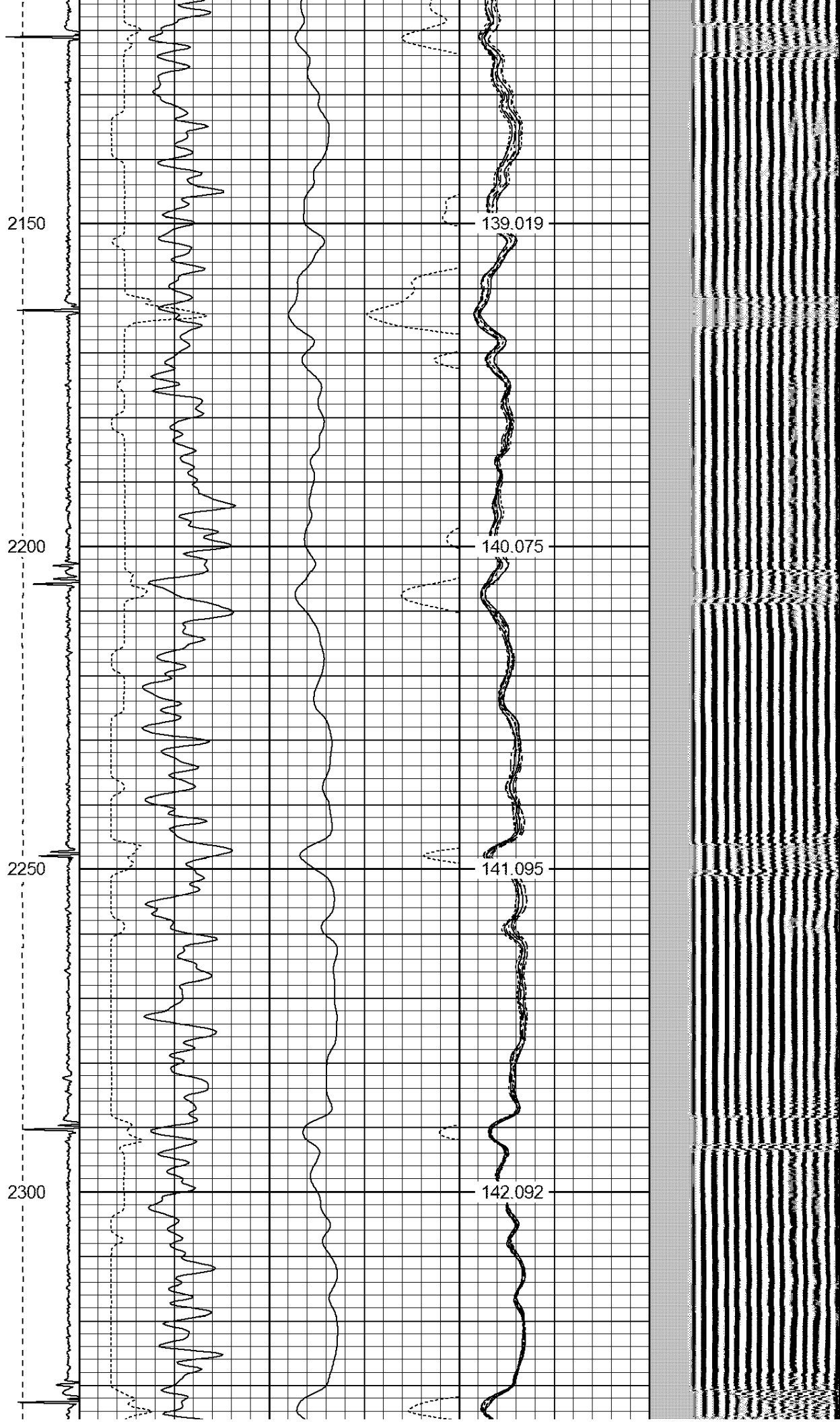












2350

143.074

2400

144.126

2450

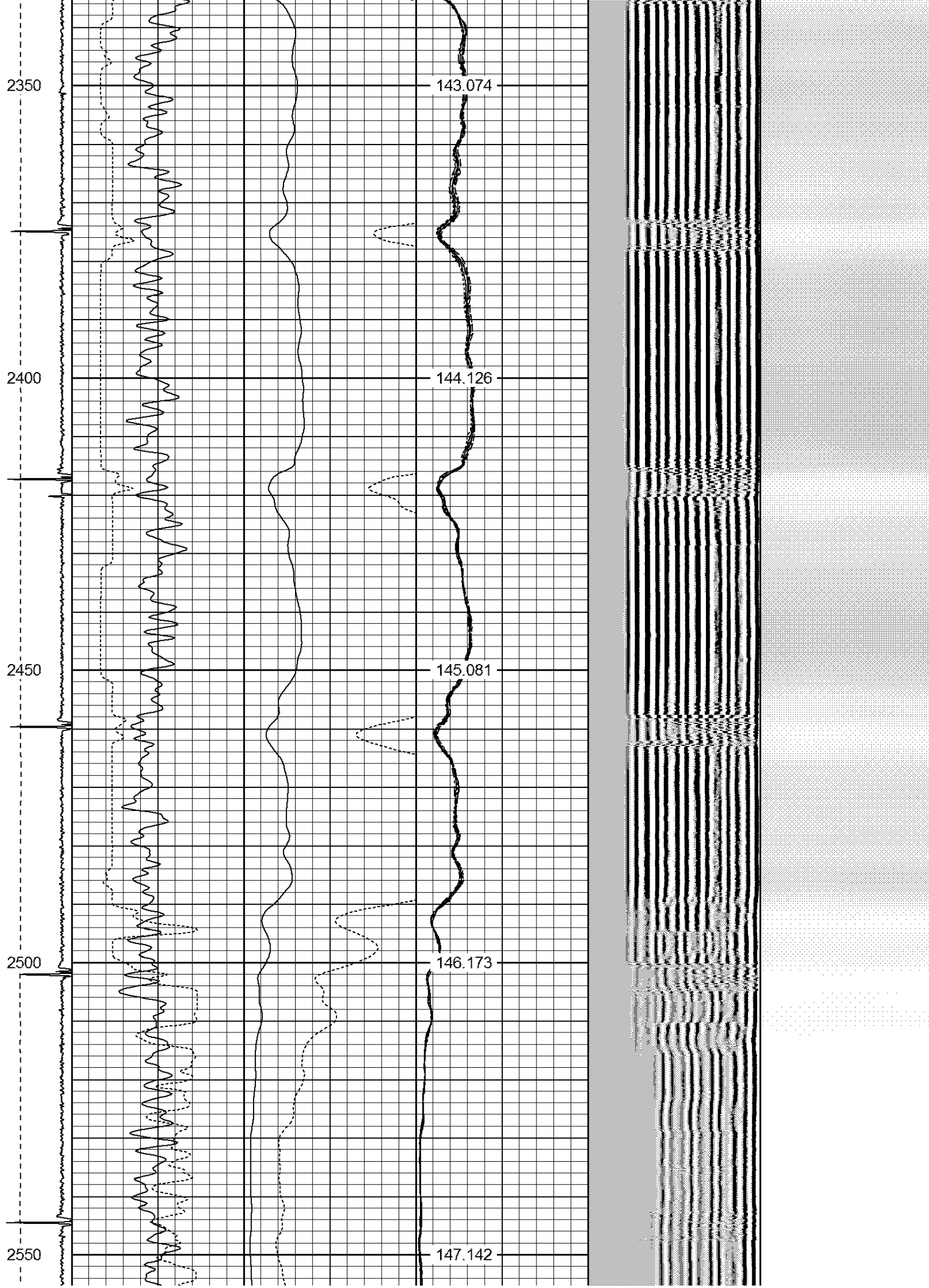
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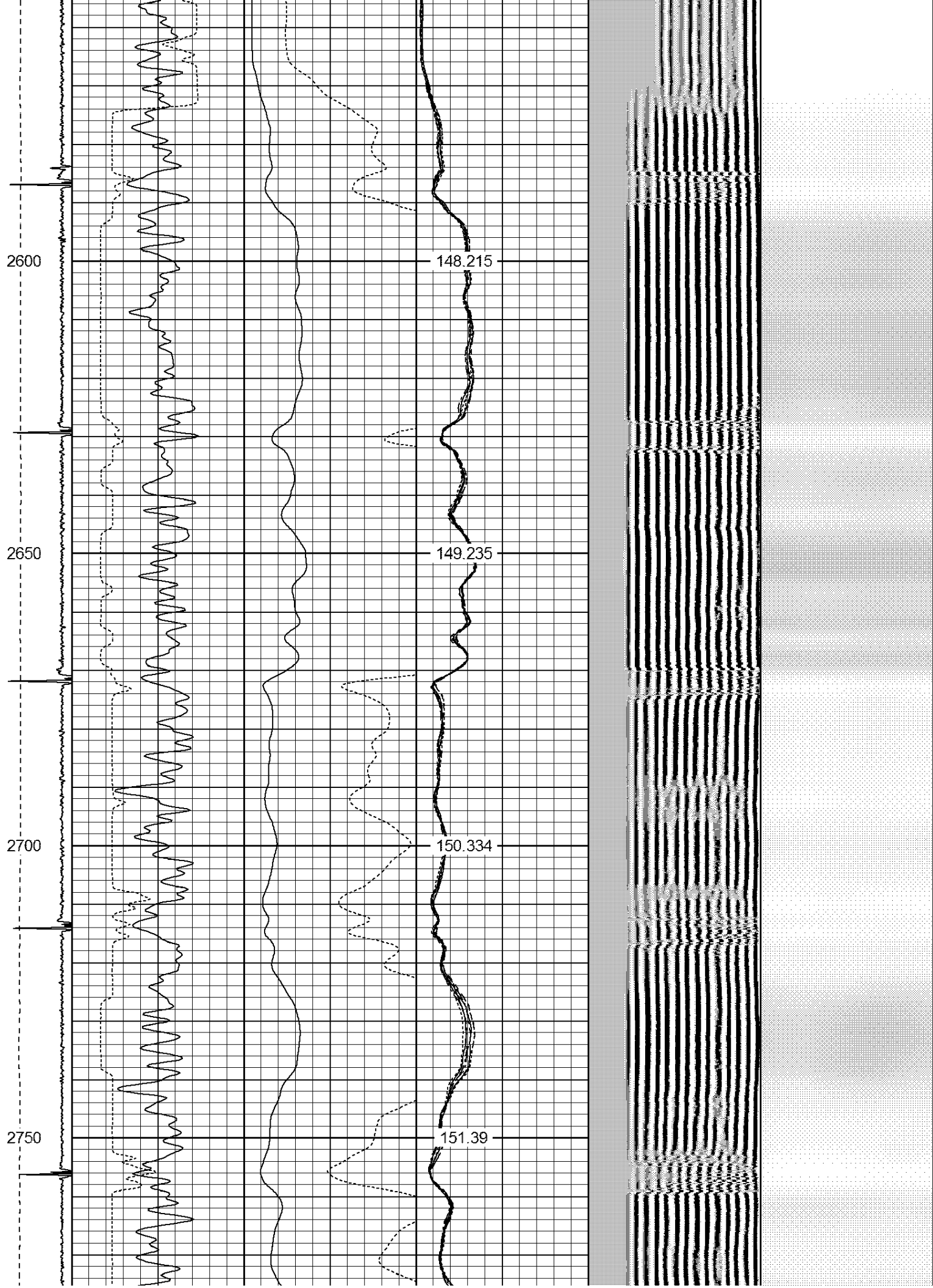
2500

146.173

2550

147.142





2800

152.45

2850

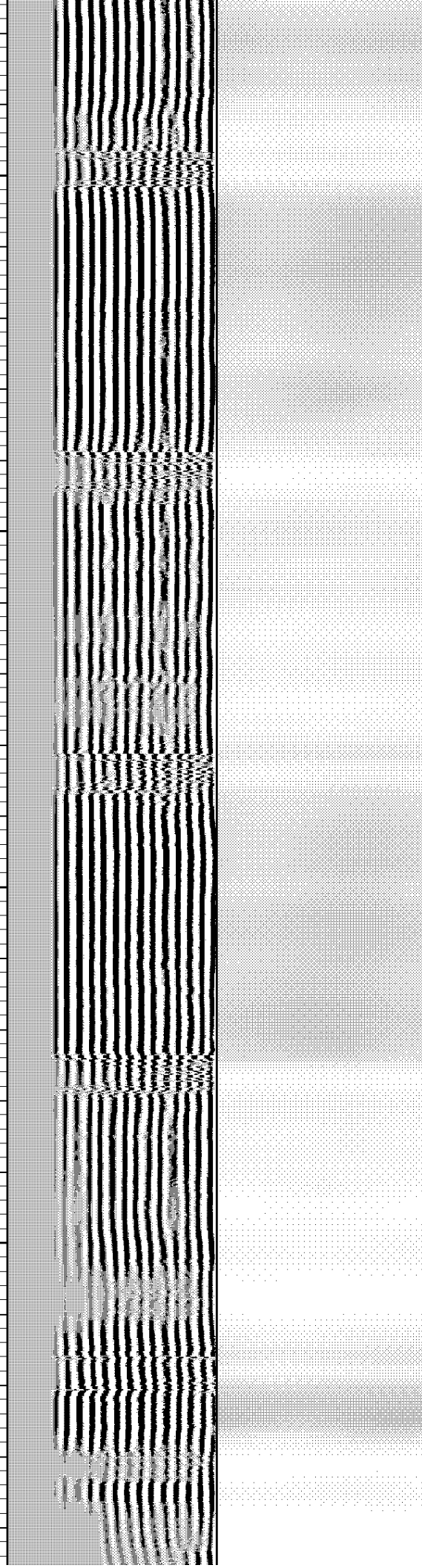
153.494

2900

154.533

2950

155.693



3000

156.748

3050

157.826

3100

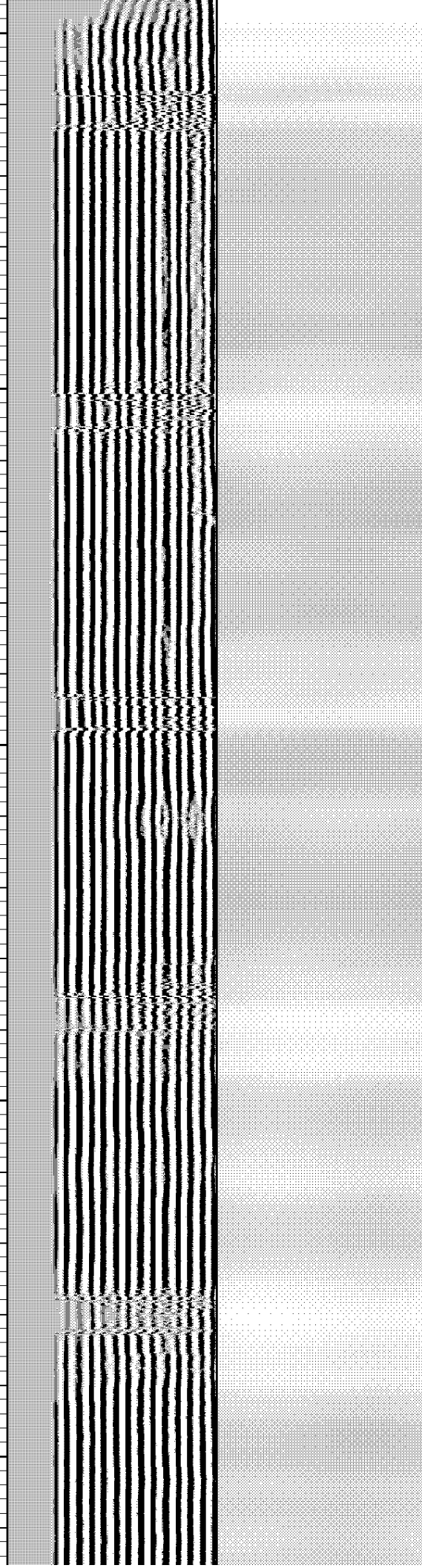
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3150

159.997

3200

161.101



3250

162.101

3300

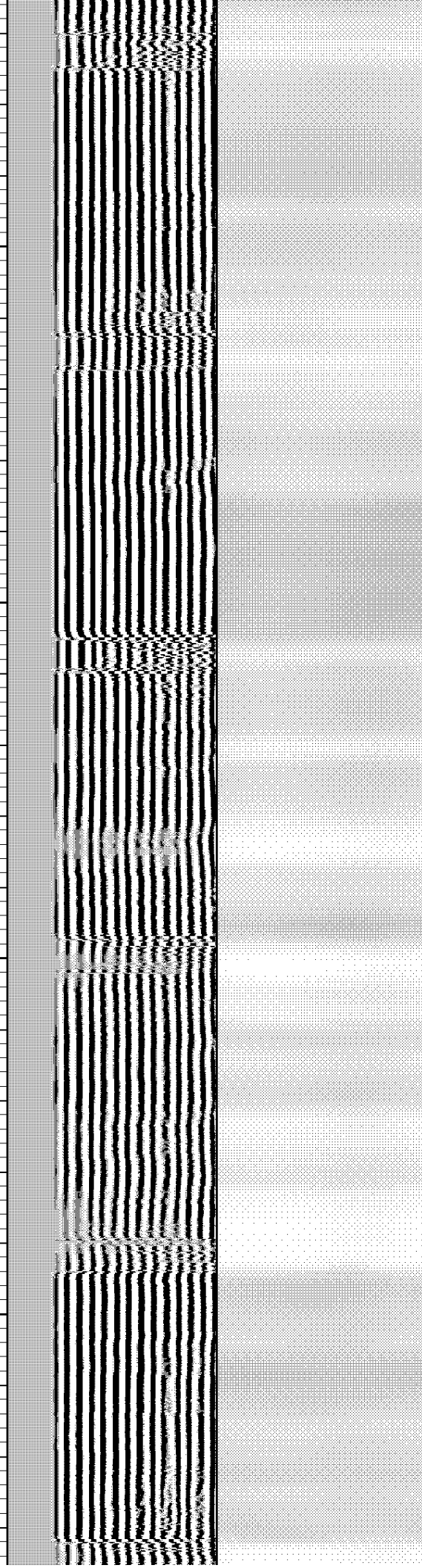
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164.104

3400

165.247



3450

166.188

3500

167.227

3550

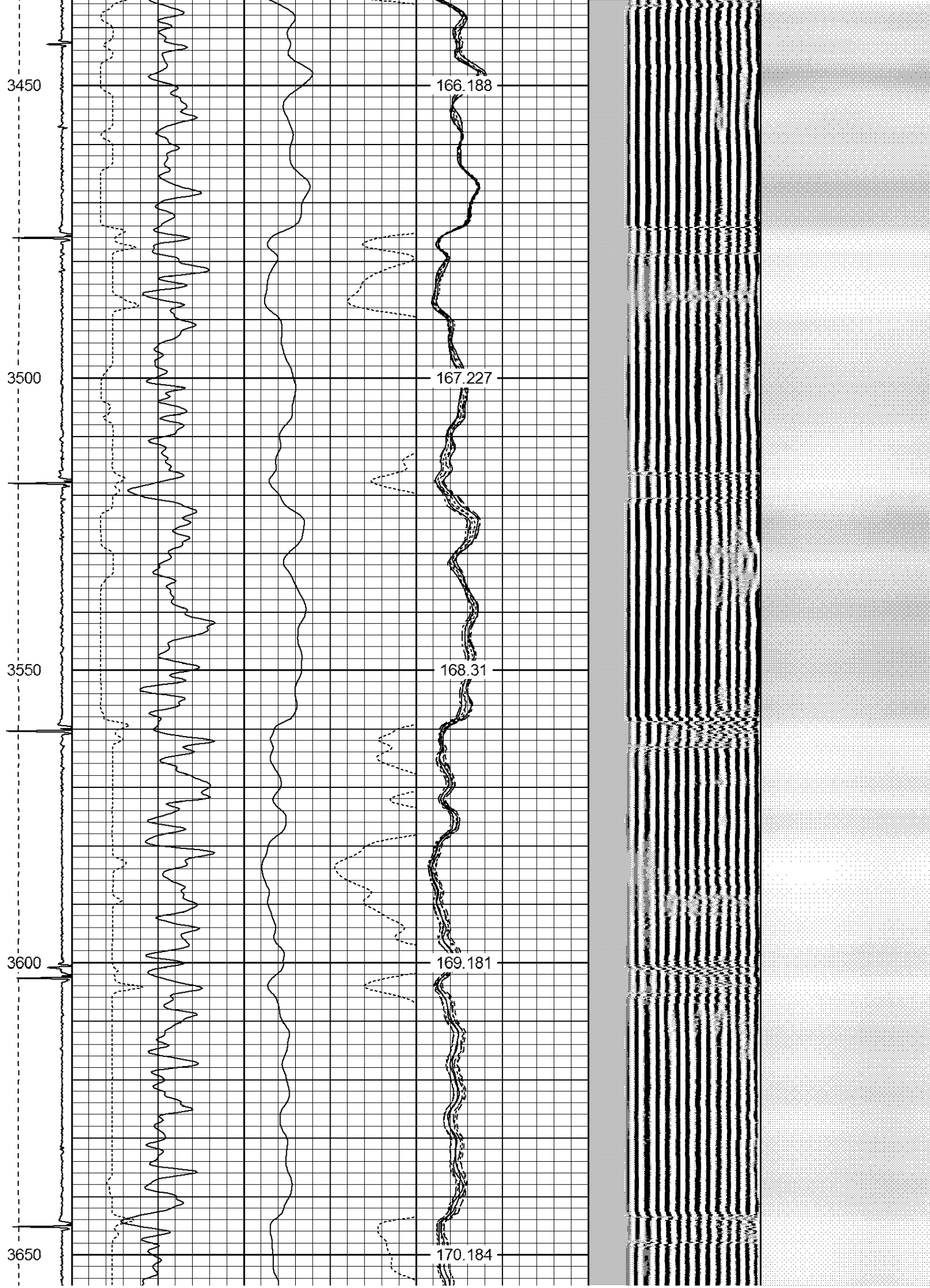
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3600

169.181

3650

170.184



3700

171.057

3750

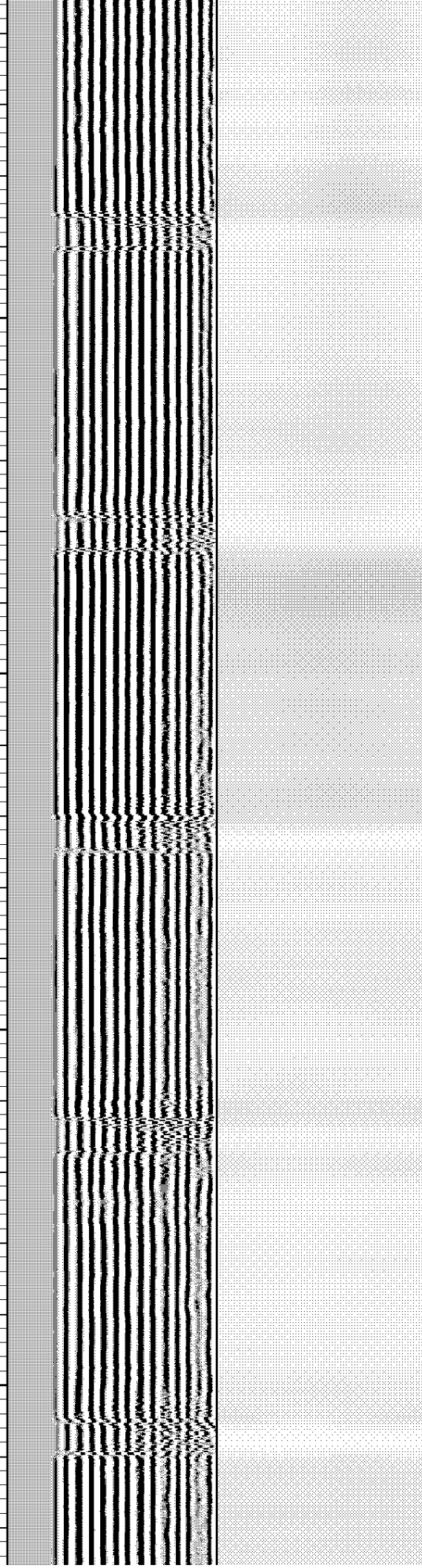
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3800

173.031

3850

173.986





4100

178.838

4150

179.808

4200

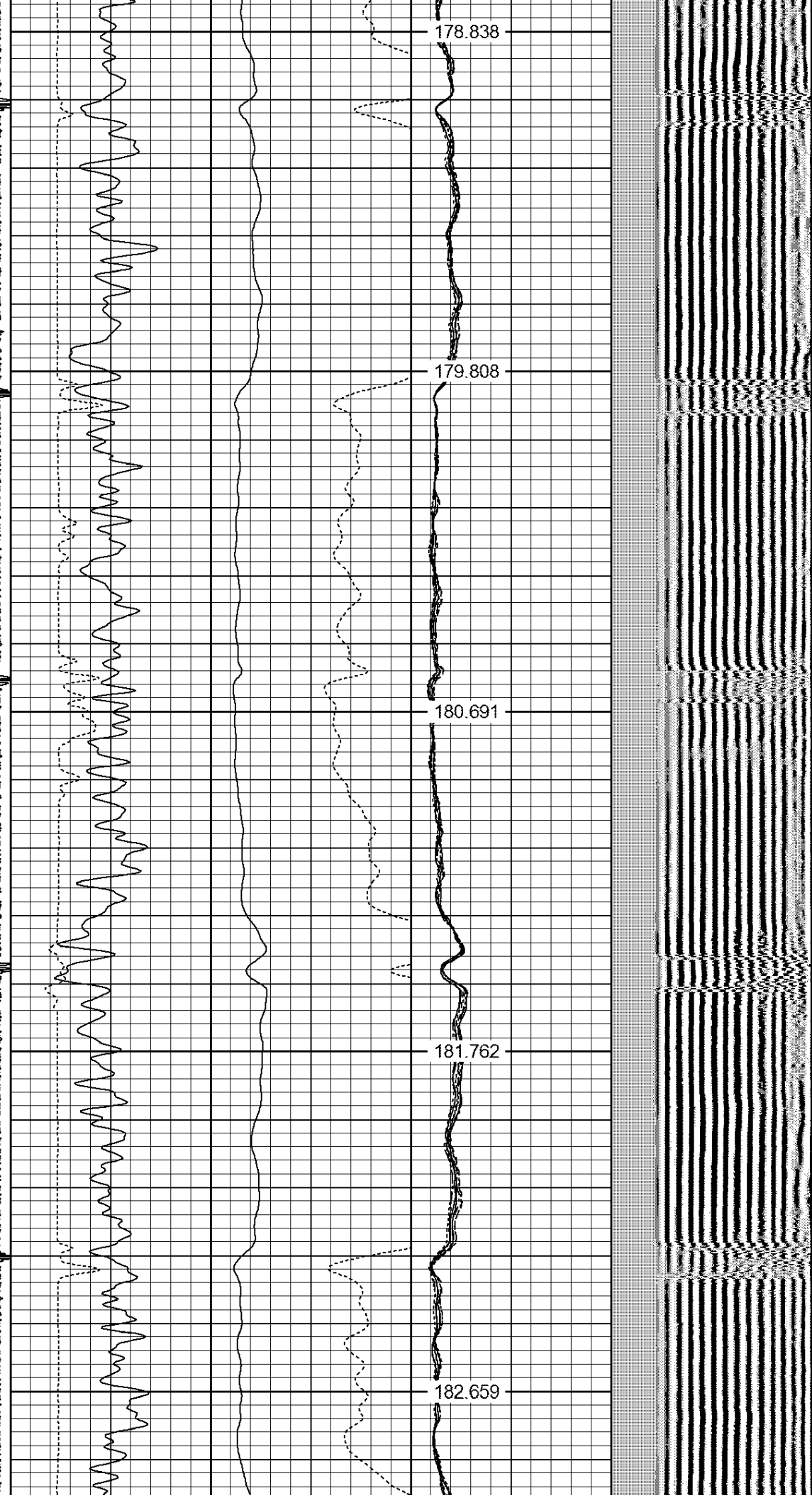
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4250

181.762

4300

182.659



4350

183.604

4400

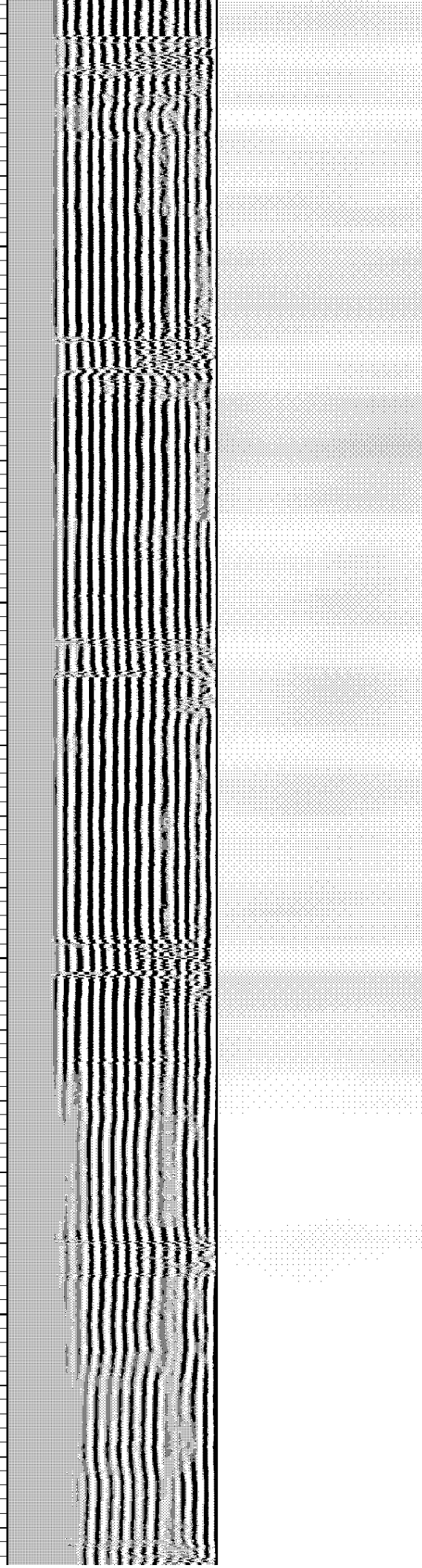
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4450

185.622

4500

186.613



4550

187.498

4600

188.45

4650

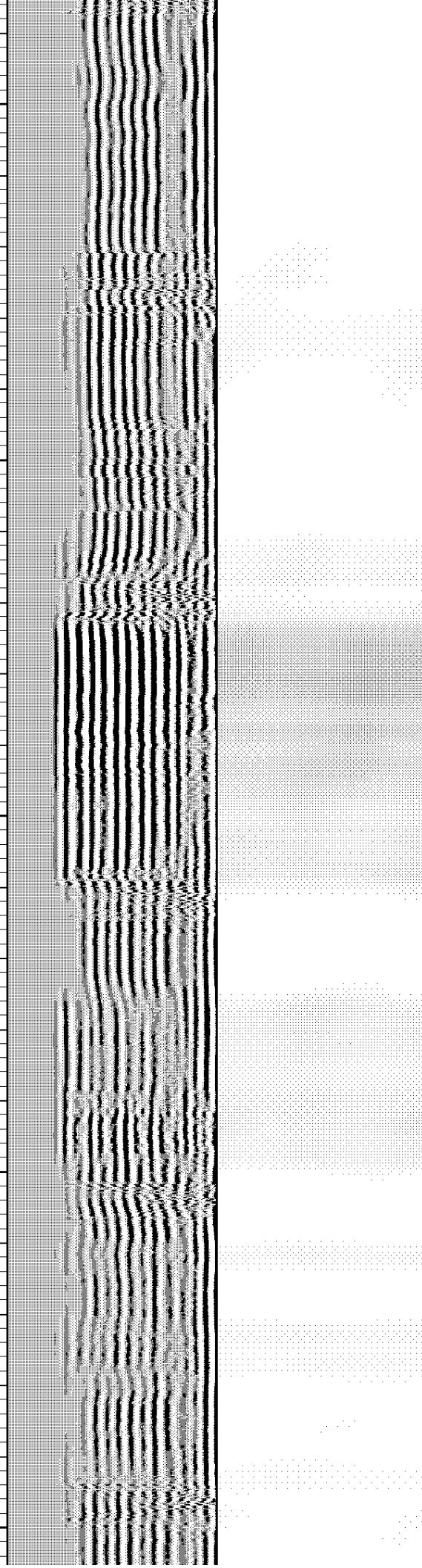
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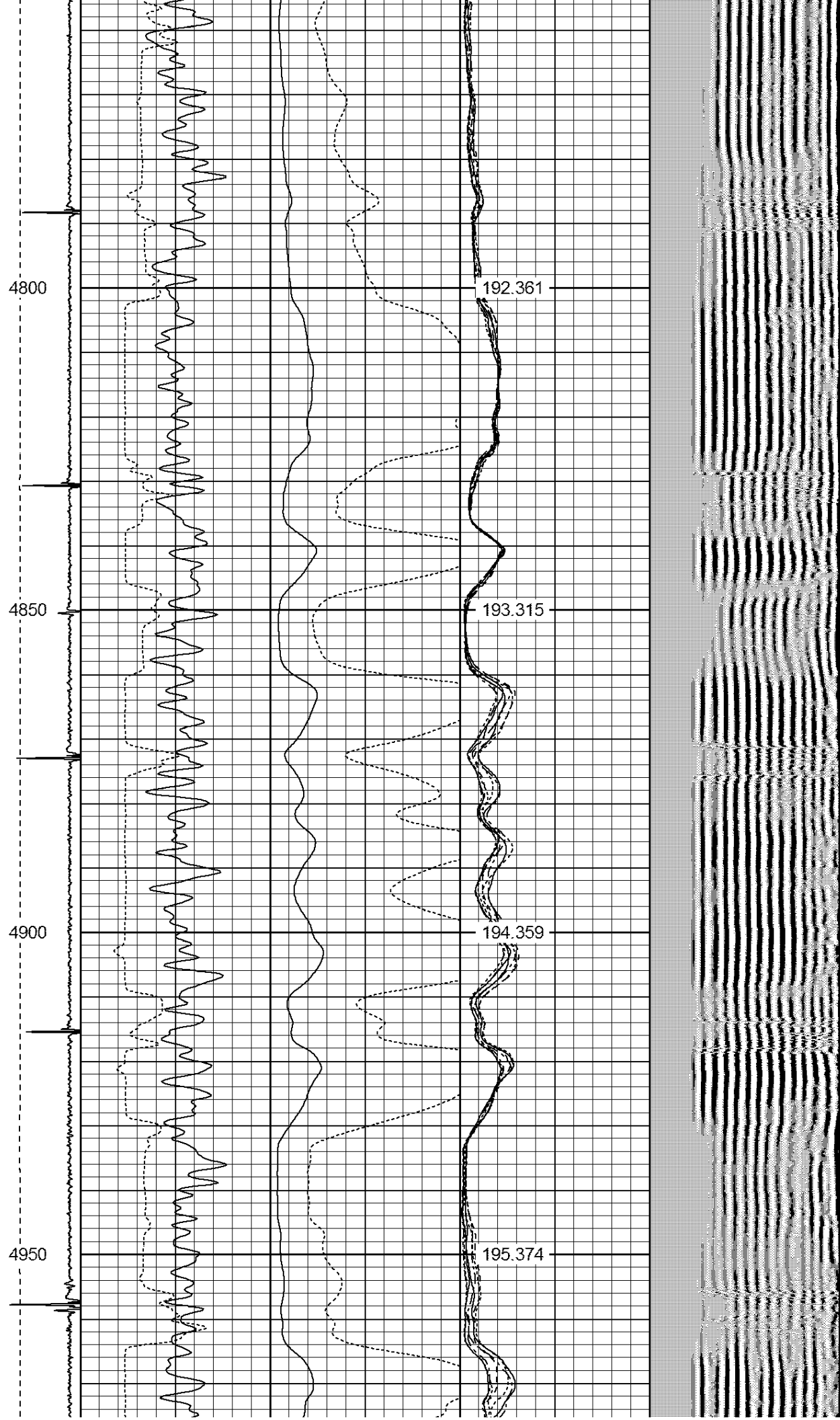
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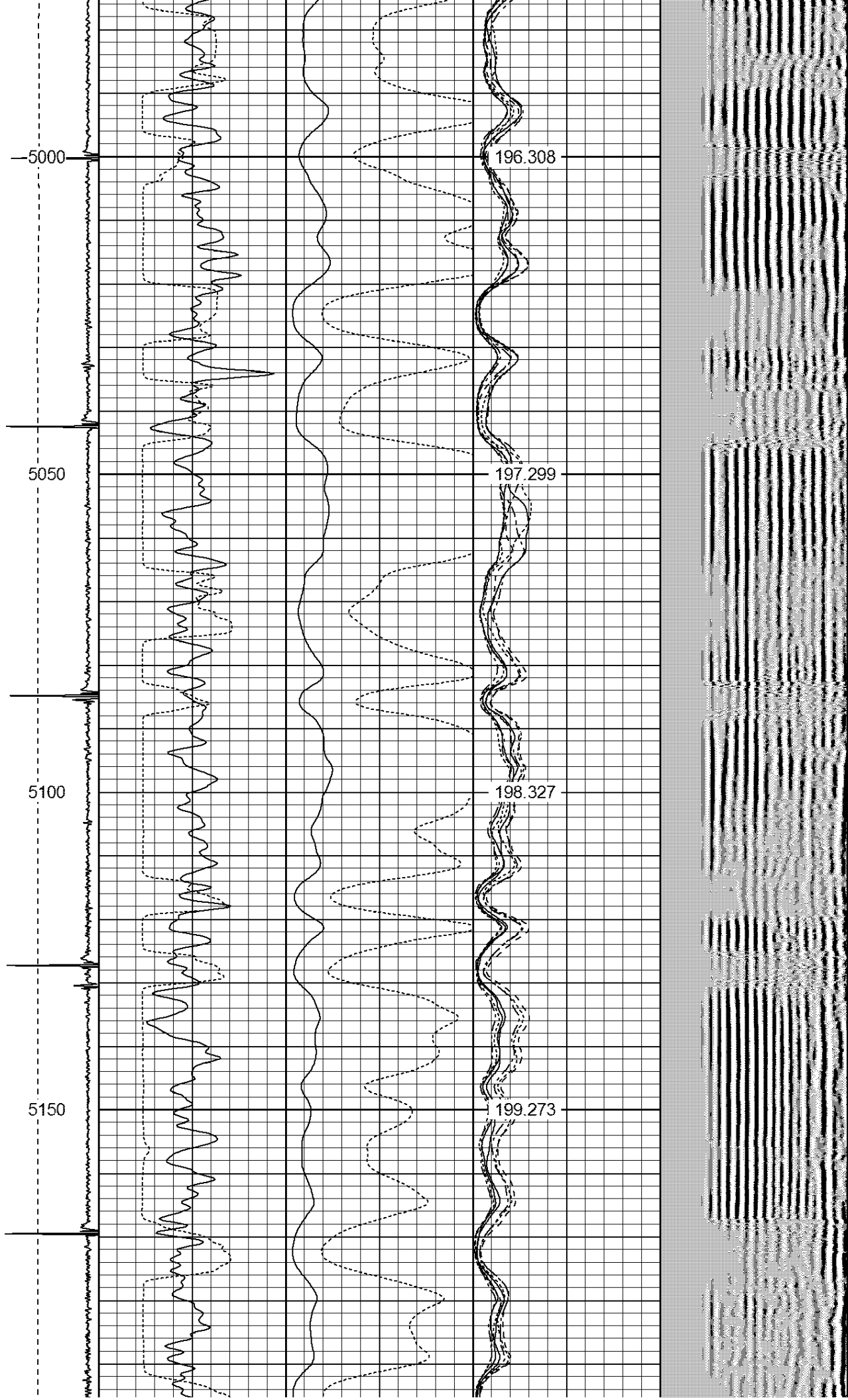
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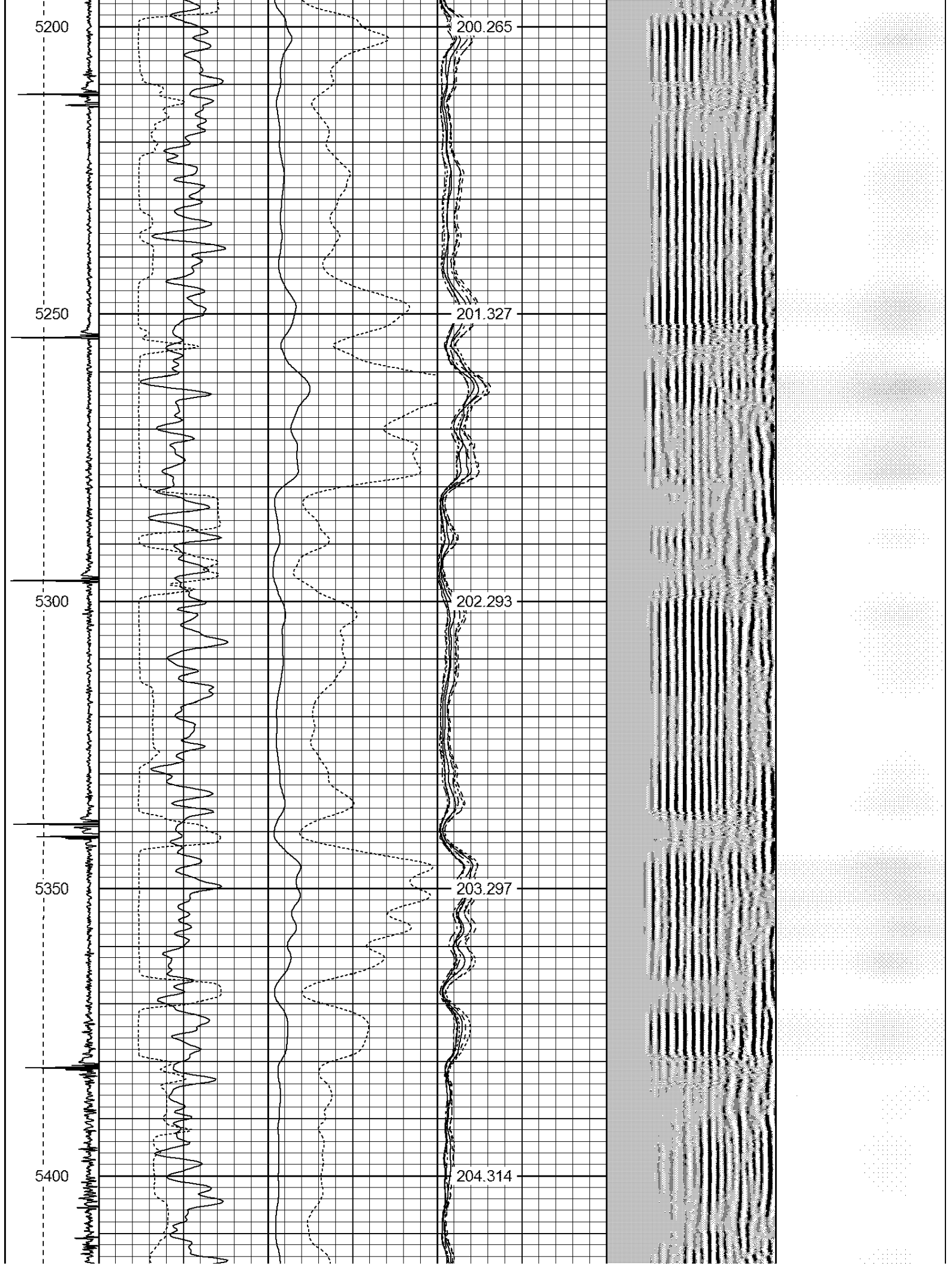
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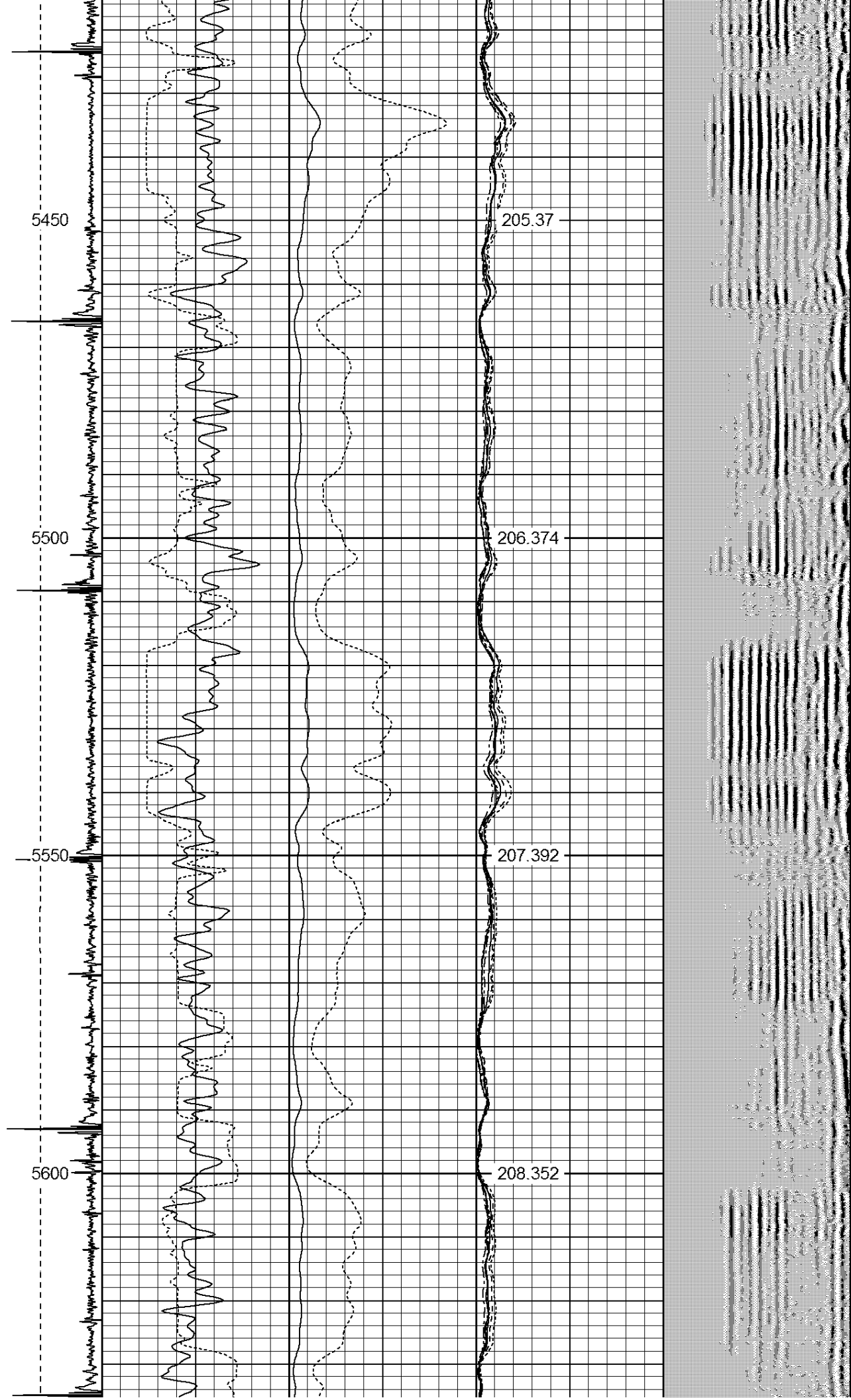
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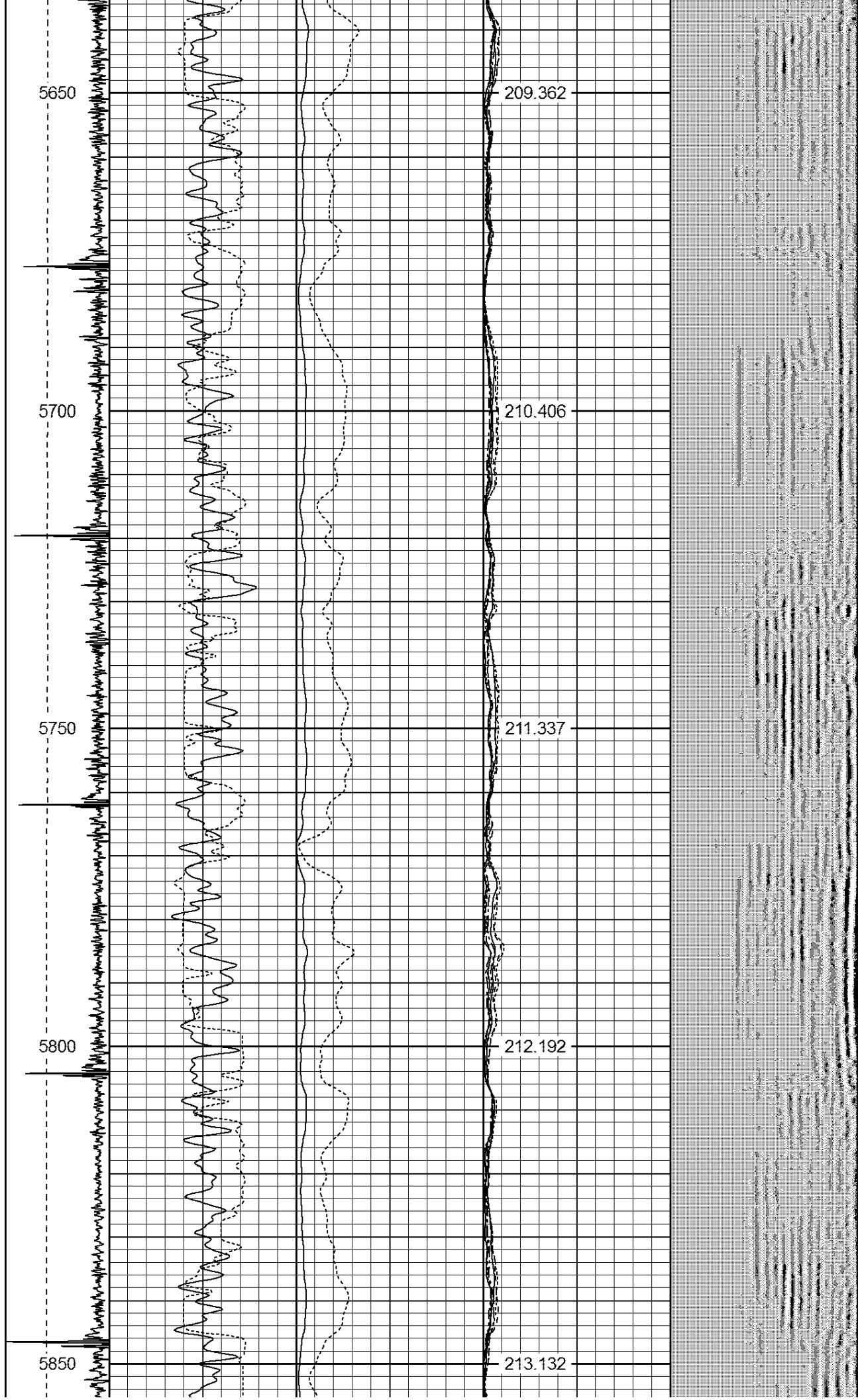


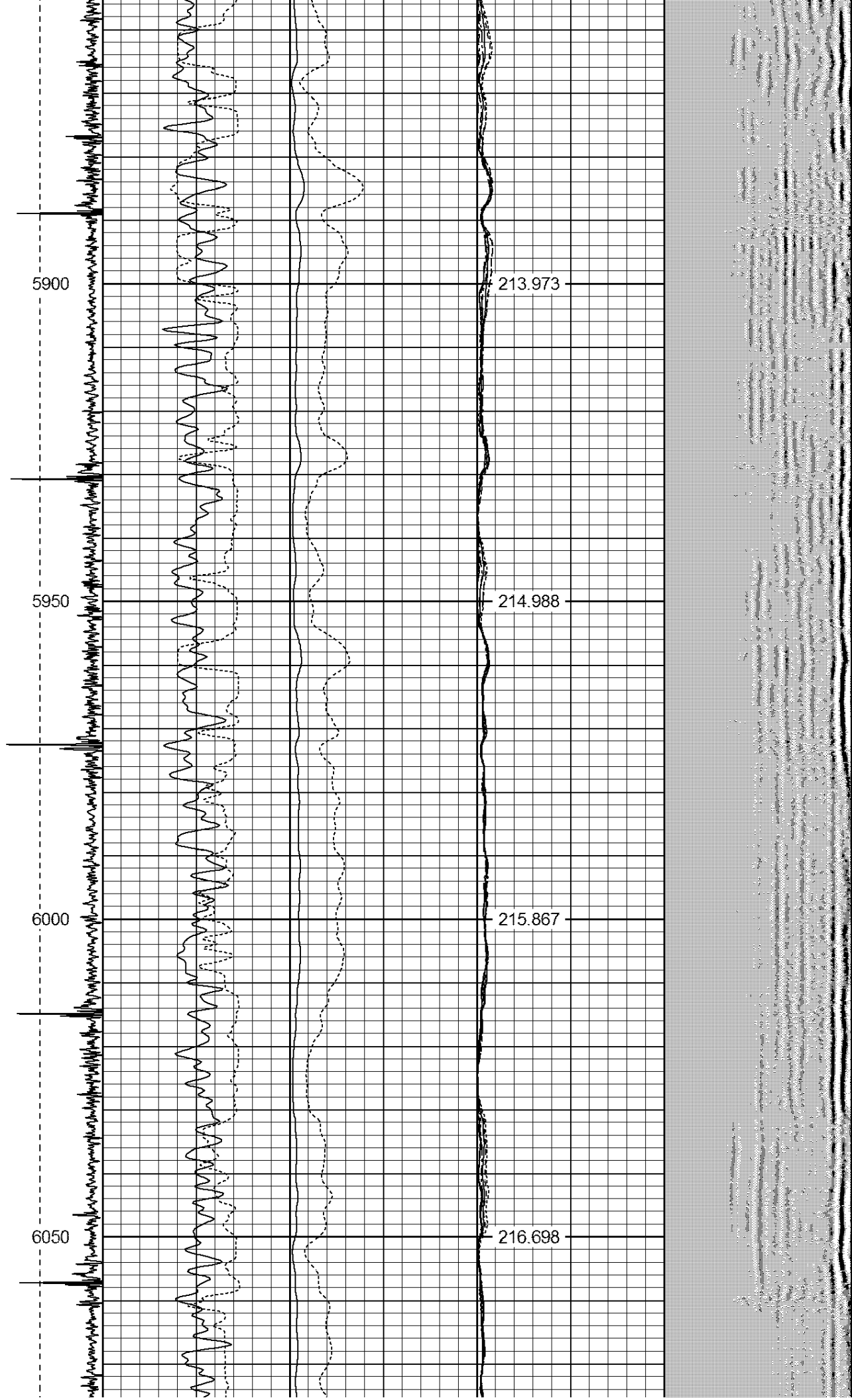


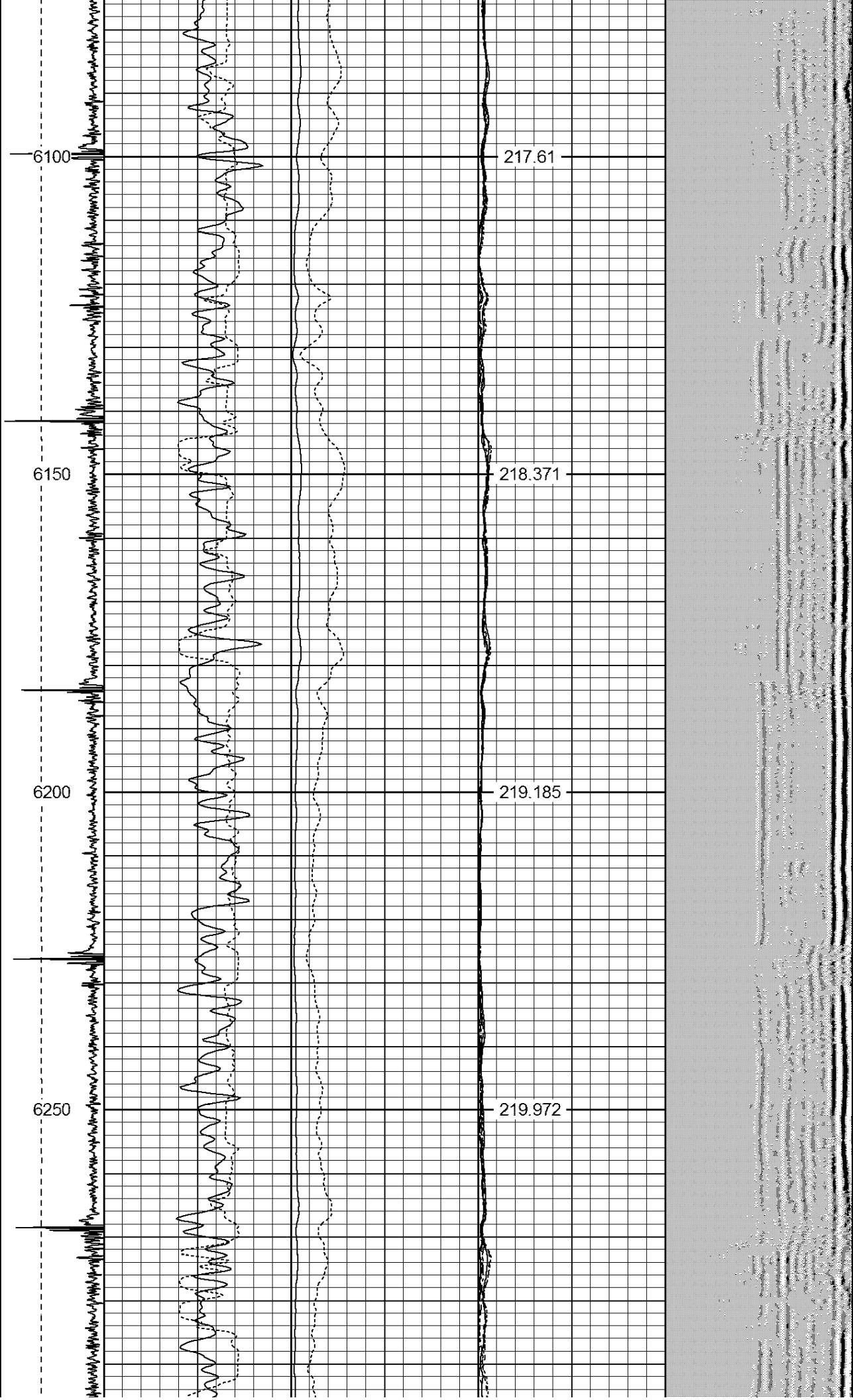


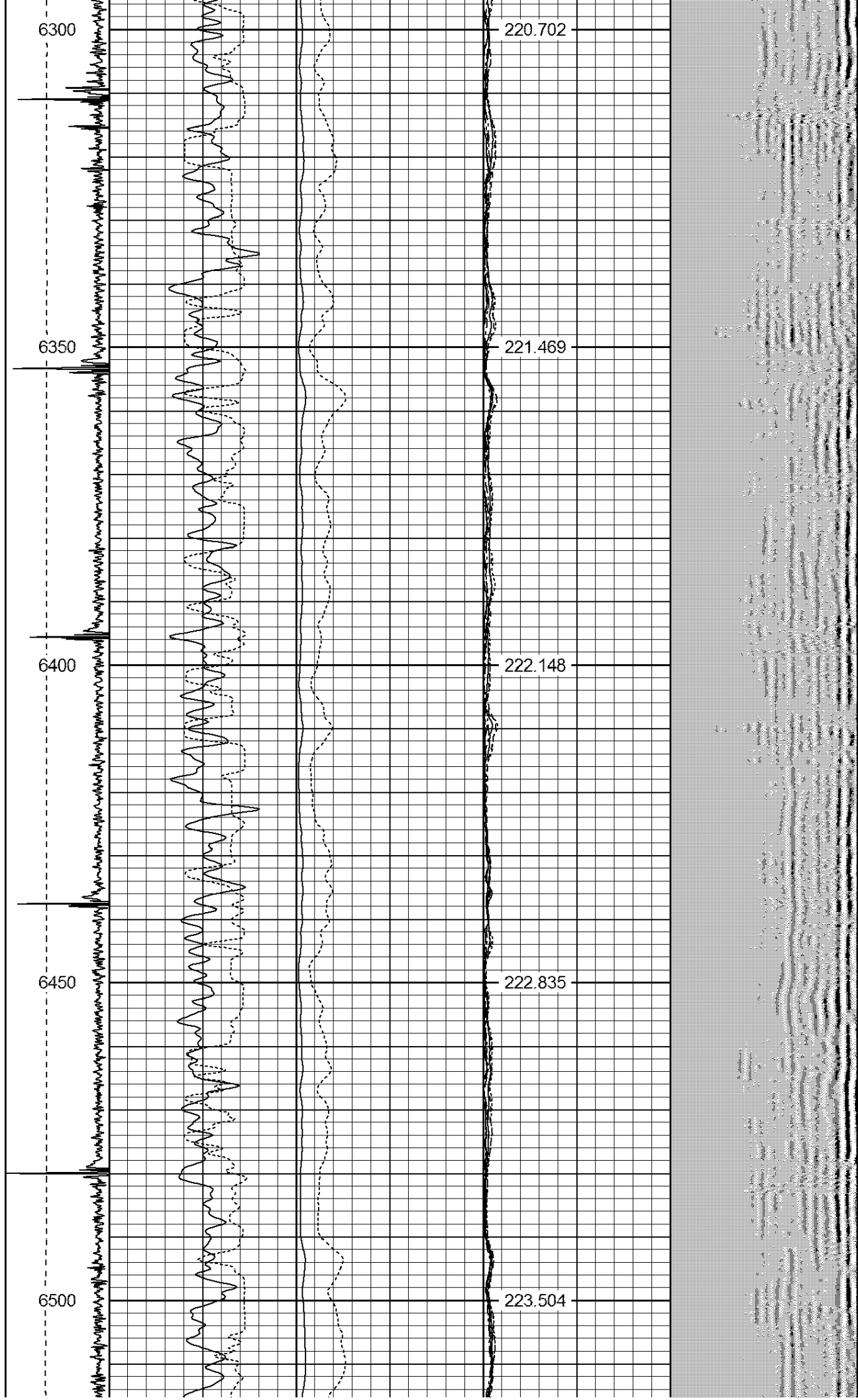


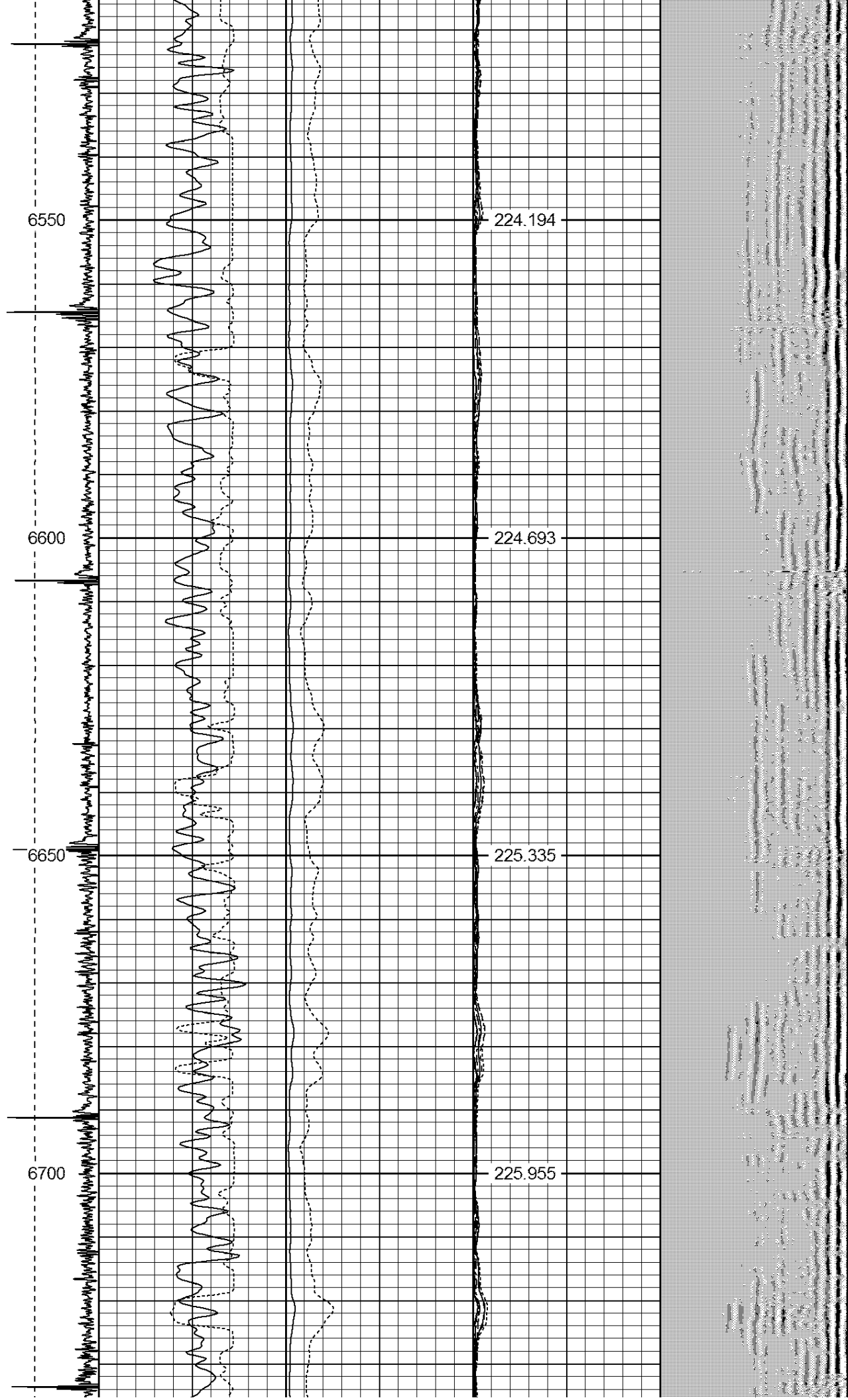


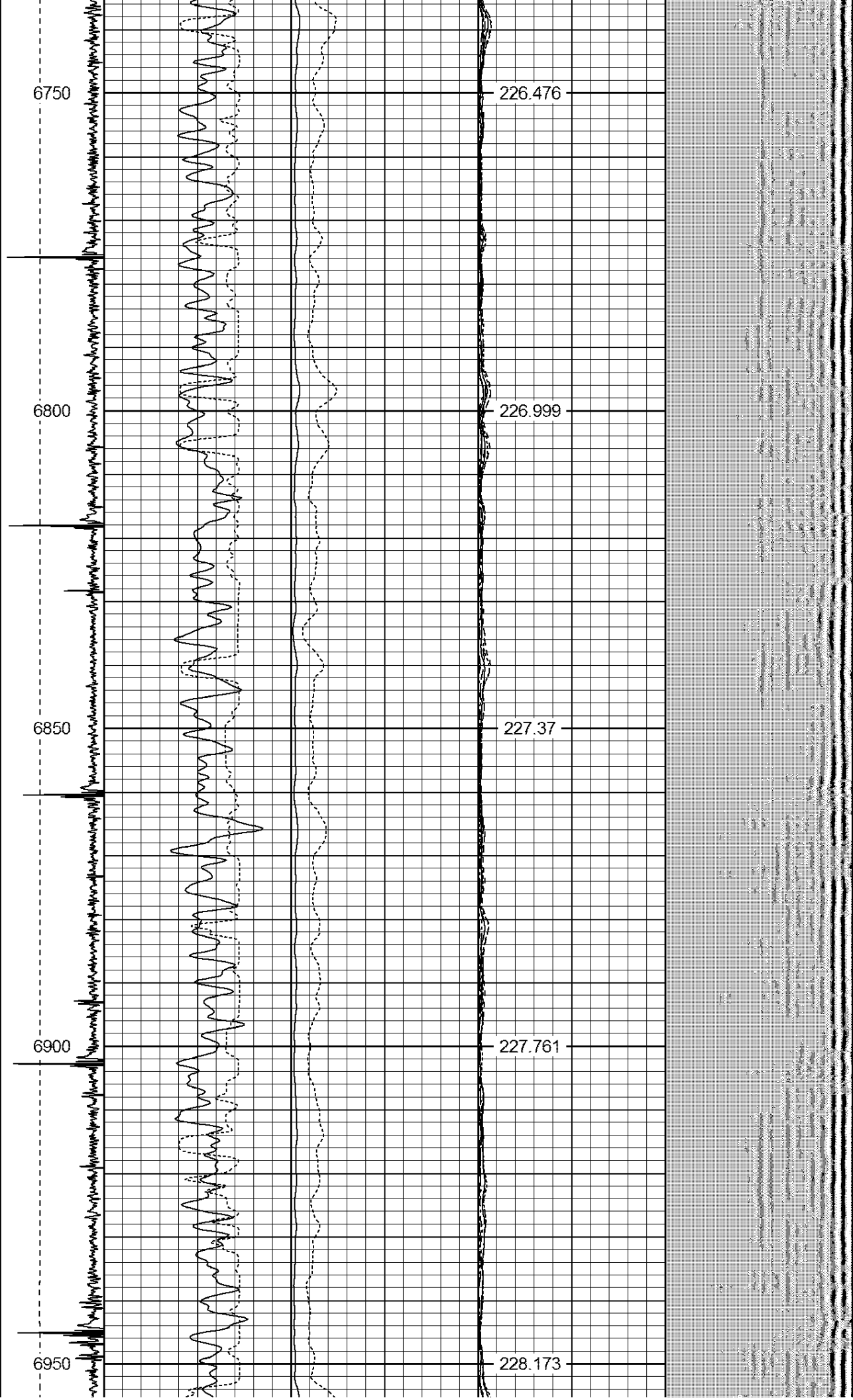


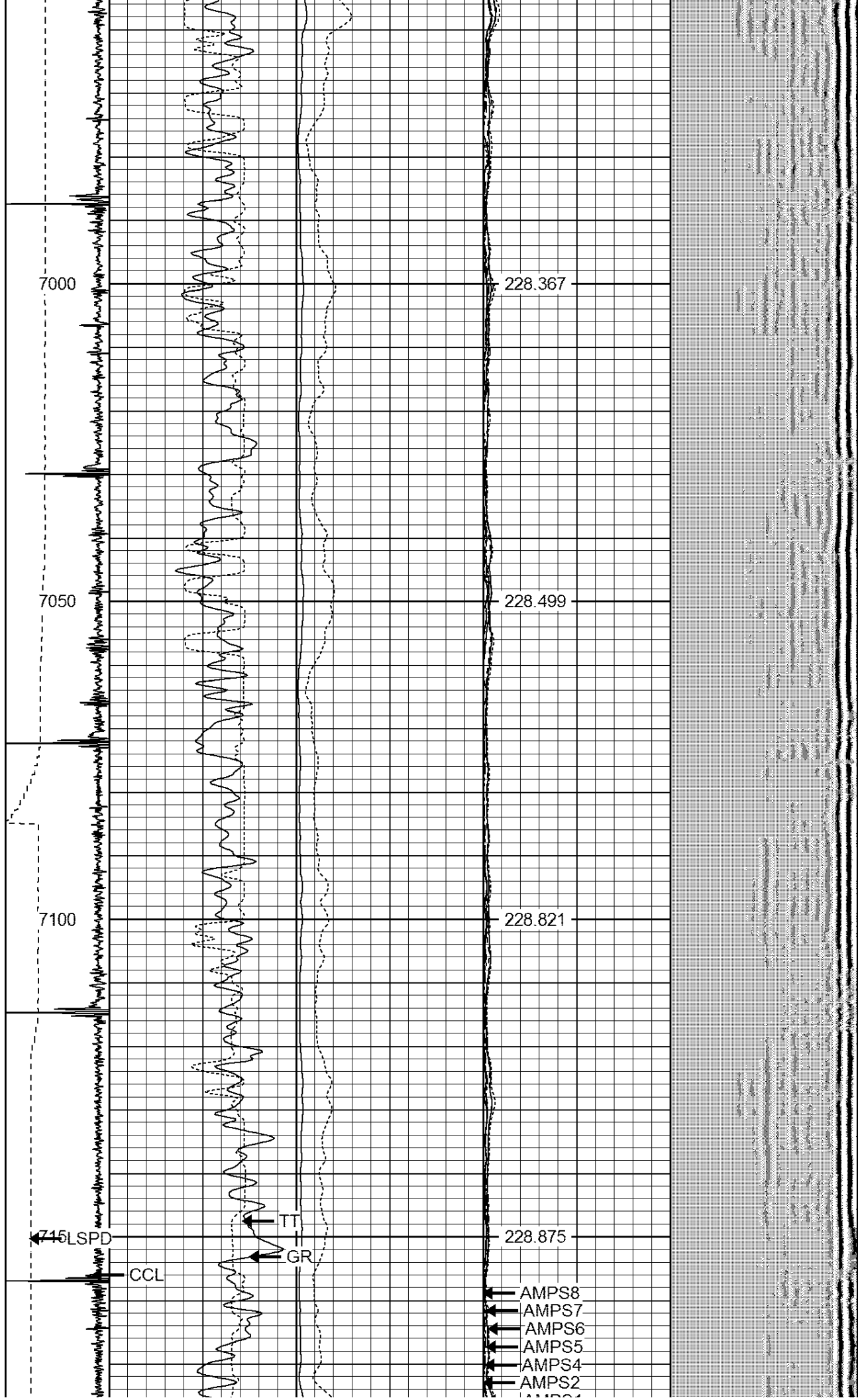


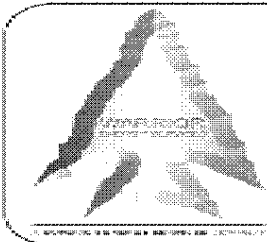
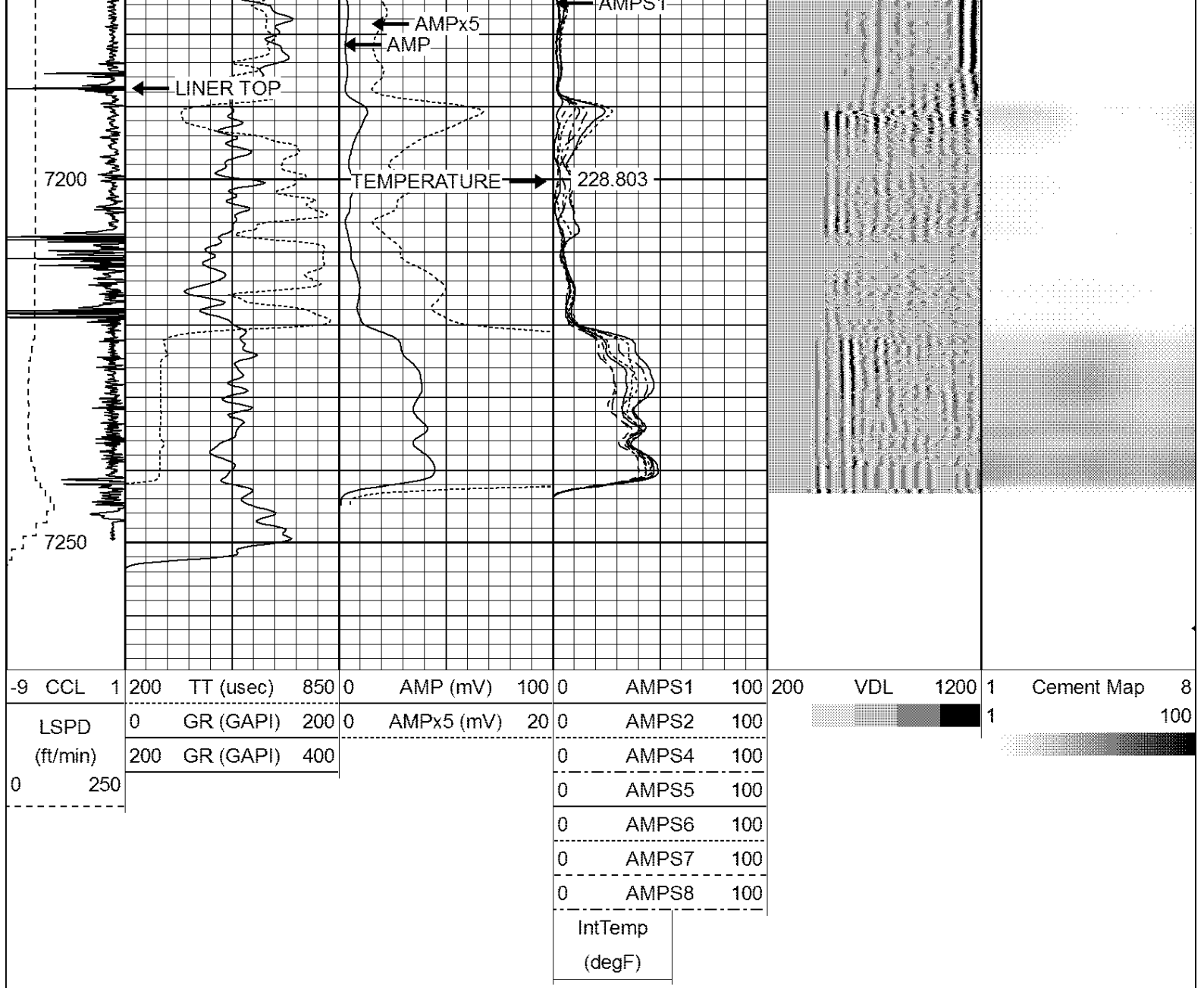












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ENERGY SERVICES

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