



DIGITAL CEMENT BOND LOG
GAMMA RAY
CCL

Company BILL BARRETT CORPORATION
Well CIRCLE B 6-66-09-0461 BH
Field WATTENBERG
County WELD State CO

Location: API # : 05-233-696_
NE/NW
262' FNL & 2,297' FWL
SEC 9 TWP 6N RGE 66W
Permanent Datum GL Elevation 4814'
Log Measured From KB 23'
Drilling Measured From KB
Other Services
K.B. 4837'
D.F. 4836'
G.L. 4814'

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Date 5-1-2014

Run Number ONE
Depth Driller NA
Depth Logger 6600
Bottom Logged Interval 6592
Top Log Interval SURFACE
Open Hole Size 7
Type Fluid WATER
Density / Viscosity NA
Max. Recorded Temp. 217
Estimated Cement Top 1210
Time Well Ready NA
Time Logger on Bottom NA
Equipment Number 4310
Location GREELEY
Recorded By C.JONES
Witnessed By JDAMRON

Borehole Record
Run Number Bit From To Size Weight From To
ONE
TWO

Casing Record
Surface String Size Wgt/Ft Top Bottom

Prot. String 7 26# 0 7568
Production String 4.5 11.6# 6456 T.D.
Liner 4.5 11.6# 6521

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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

RAN CBL TO VERIFY CEMENT BOND.
TIED INTO LINER HANGER.

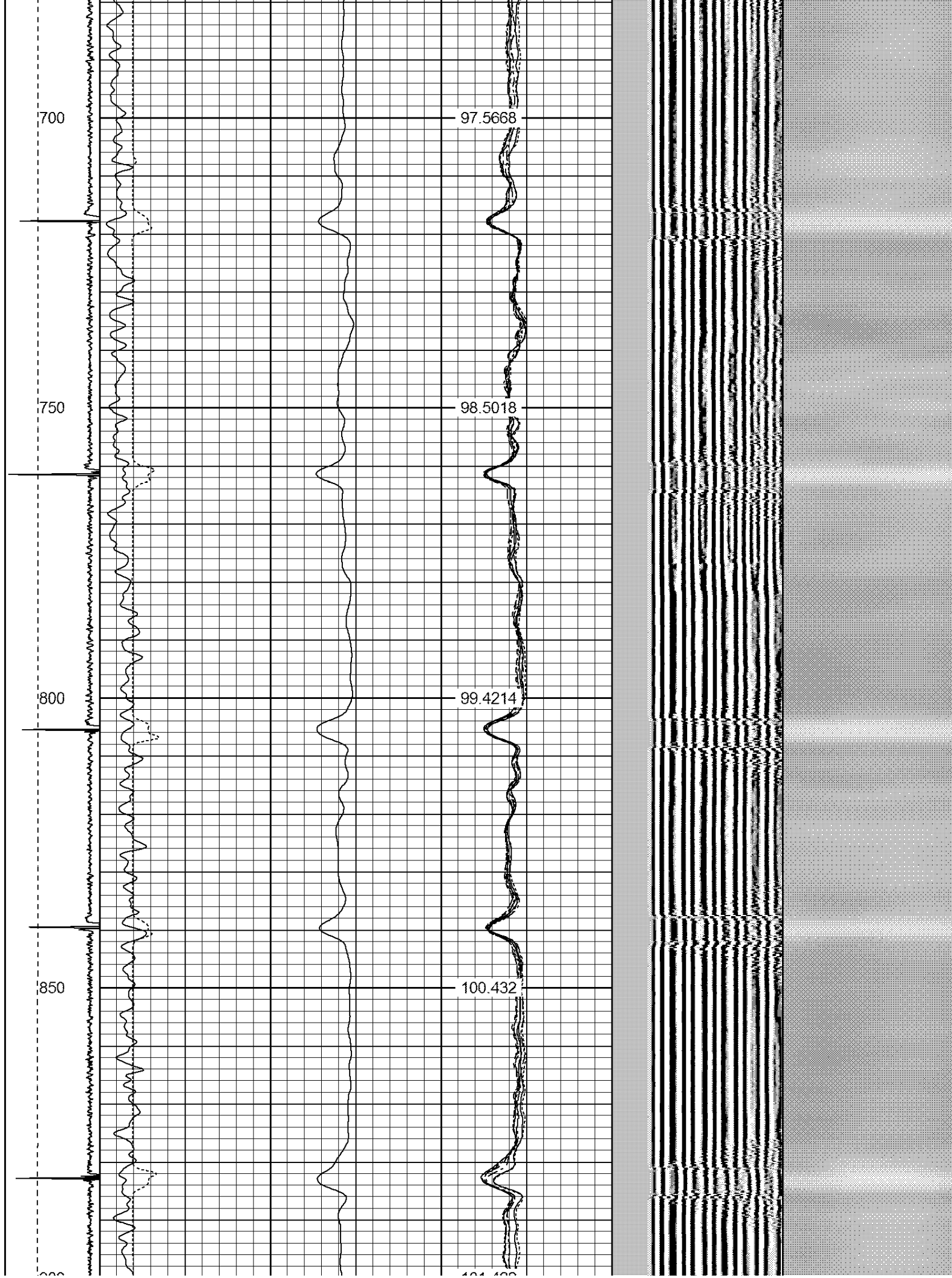
THANK YOU FOR USING WARRIOR ENERGY SERVICES!

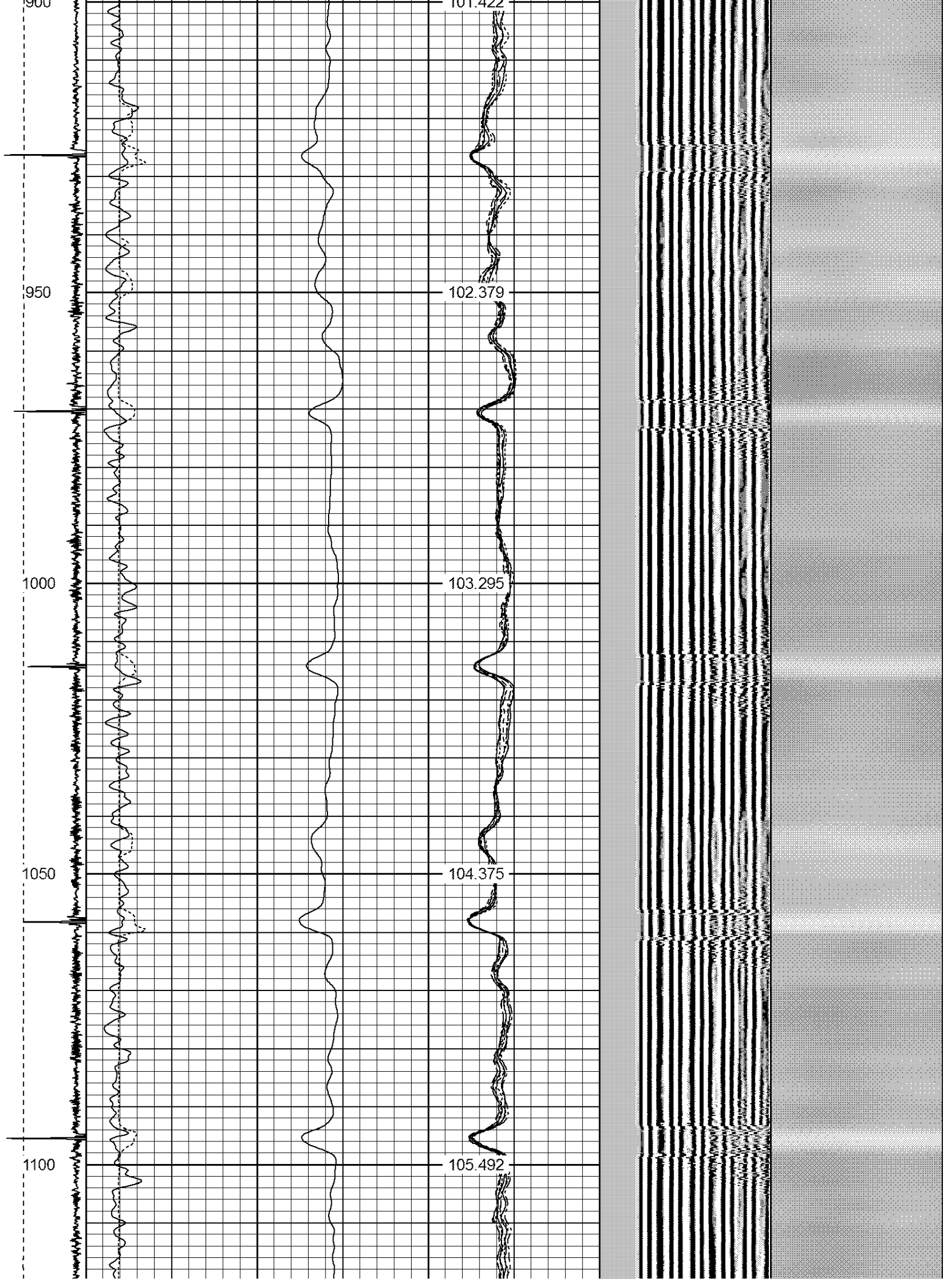
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

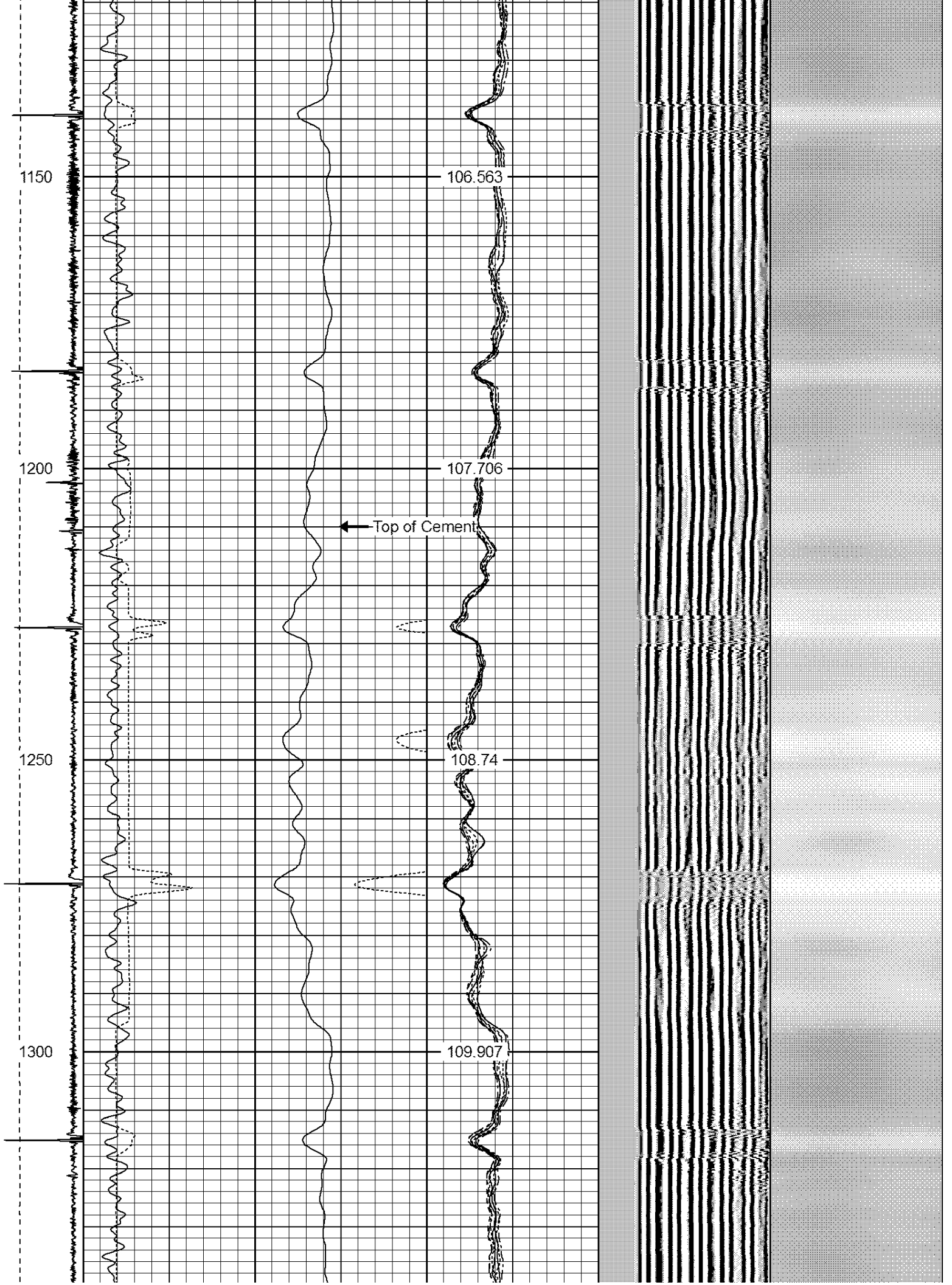
			PTS275	2.83	2.75	
HEADVOLT	16.13					
IntTemp	14.71					
WVF3FT	11.46		RBT-Probe (Base)	8.92	2.75	90.00
WVFCAL	11.46		Probe Radii Bond Tool with Digital Telemetry			
WVFS1	11.46					
WVFS2	11.46					
WVFS3	11.46					
WVFS4	11.46					
WVFS5	11.46					
WVFS6	11.46					
WVFS7	11.46					
WVFS8	11.46					
WVF5FT	10.46					
CNLSC	6.00		CNT-Probe_B (275)	2.88	2.75	40.00
CNSSC	5.17		6 bow centralizer			
CCL	3.64					
			GR-Probe (275)	4.33	2.75	30.00
			Probe 2.75"			
GR	0.90					
Dataset: circle b 6 66 09 0461 bh.db: field/well/run1/pass4 Total Length: 18.96 ft Total Weight: 160.00 lb O.D. 2.75 in						

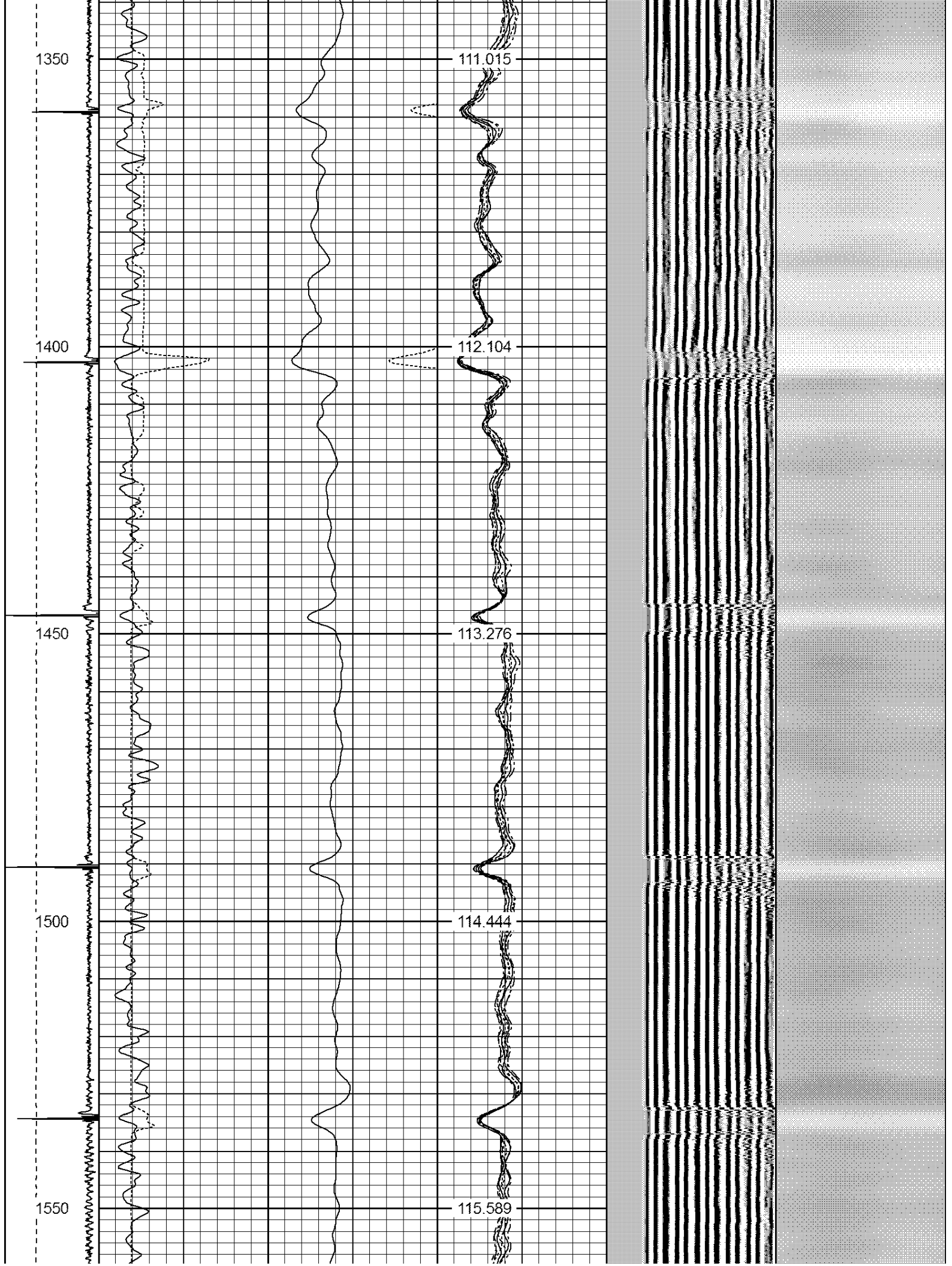
-9	CCL	1	200	TT (usec)	800	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200	1	Cement Map	8								
LSPD (ft/min)	0		GR (GAPI)		200	0	AMPx5 (mV)		20	0	AMPS2	100			1	100									
	200		GR (GAPI)		400					0	AMPS4	100													
	0									0	AMPS5	100													
										0	AMPS6	100													
										0	AMPS7	100													
										0	AMPS8	100													
											IntTemp														
											(degF)														

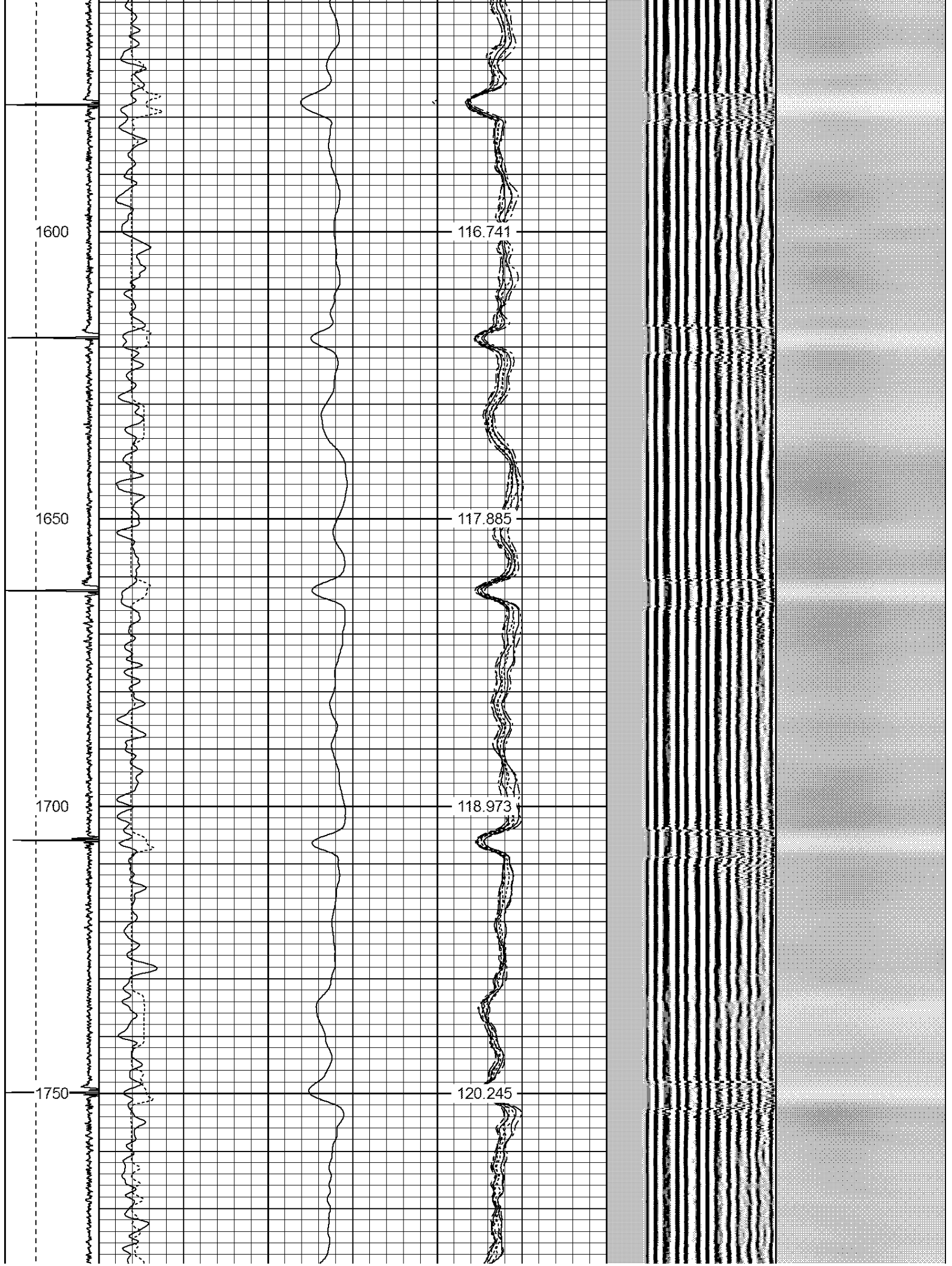


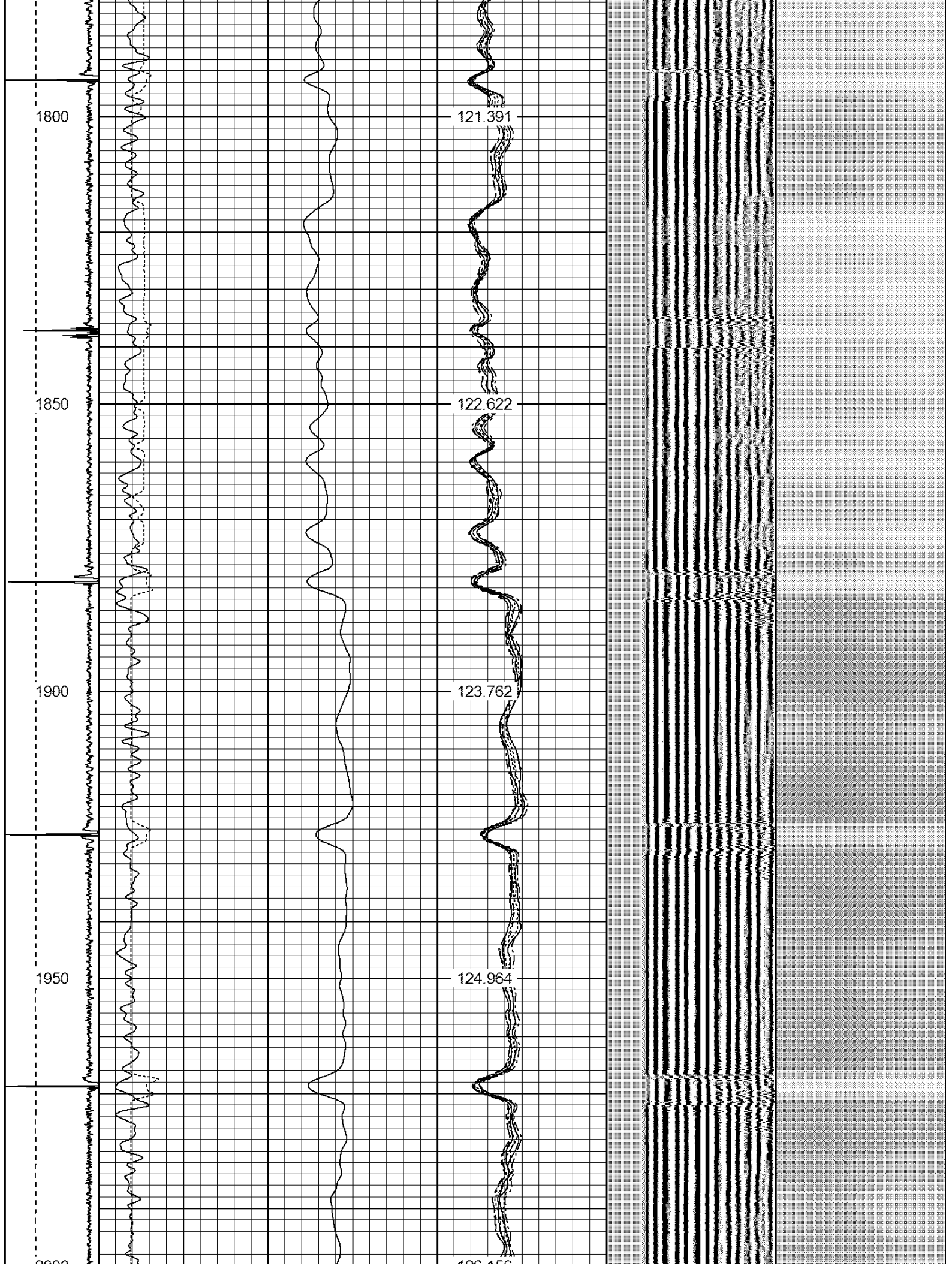


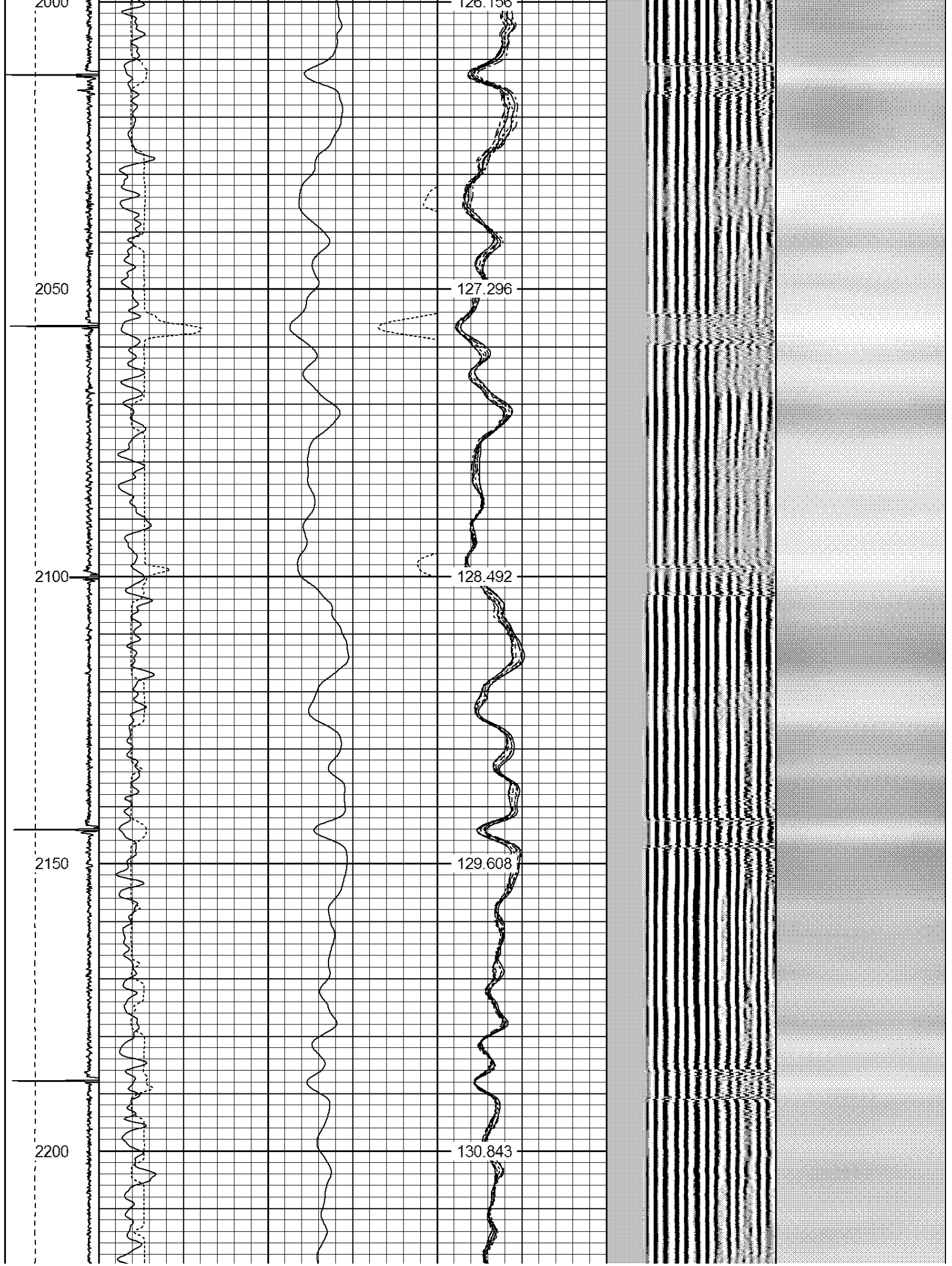


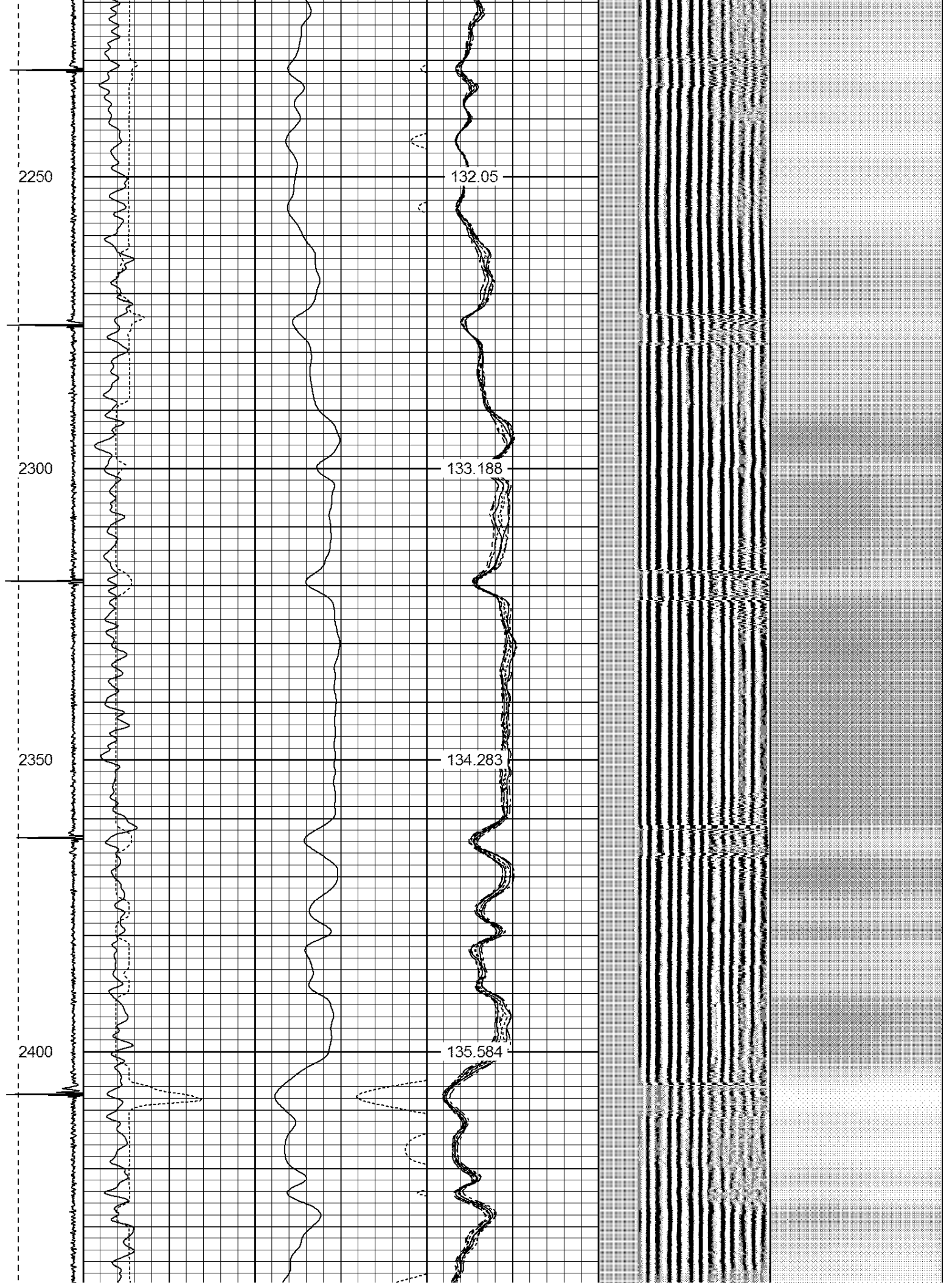


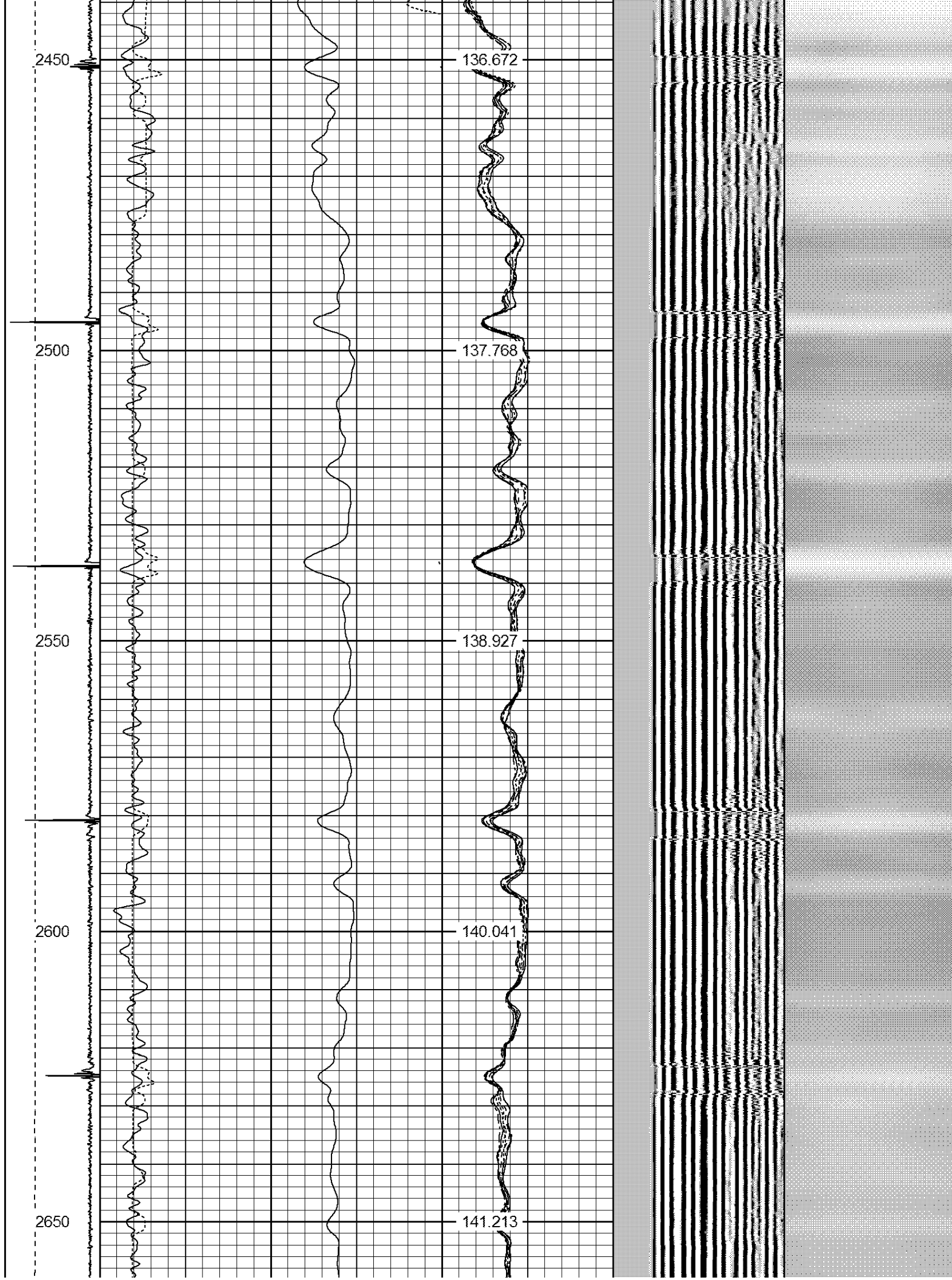


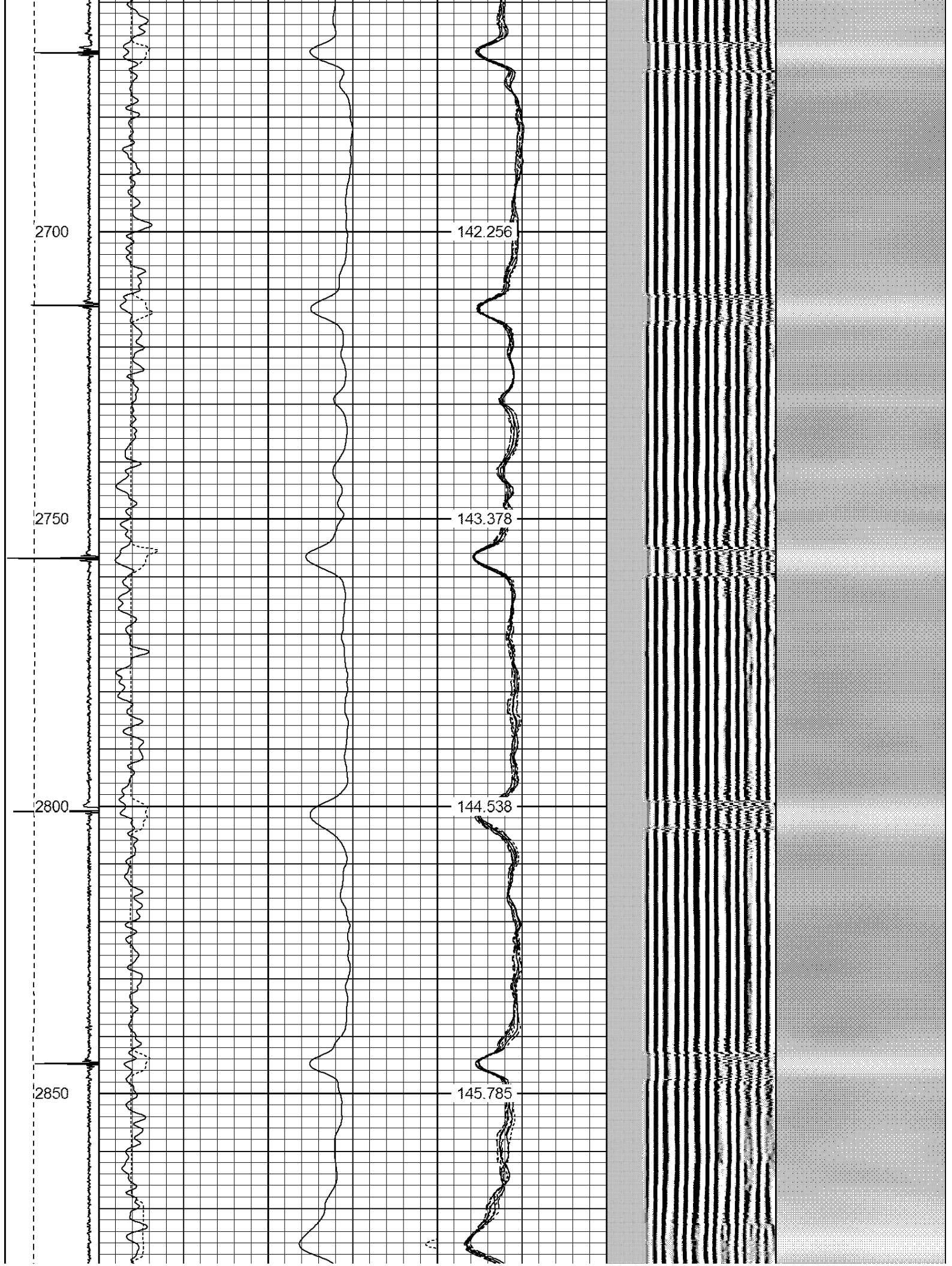


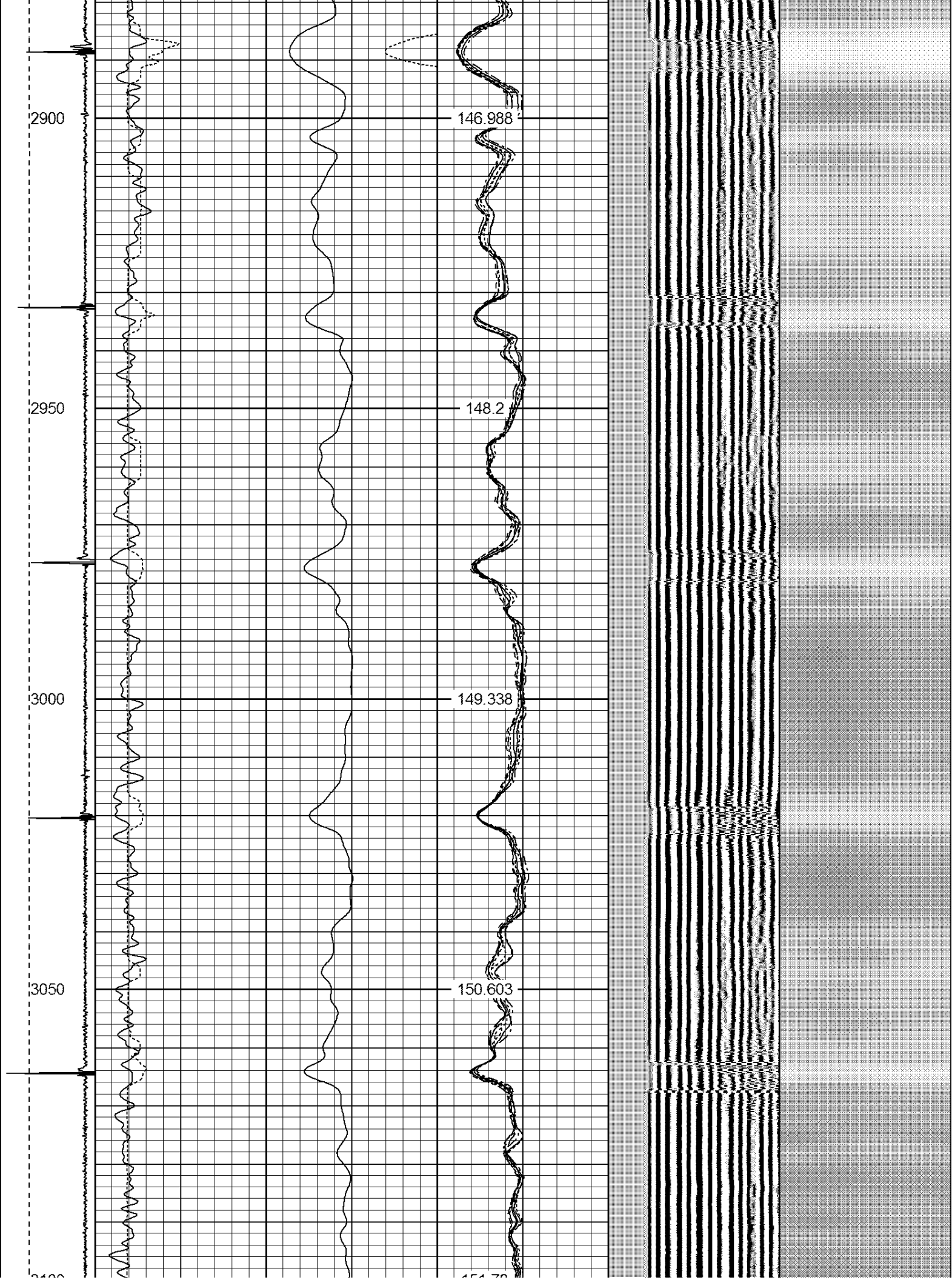


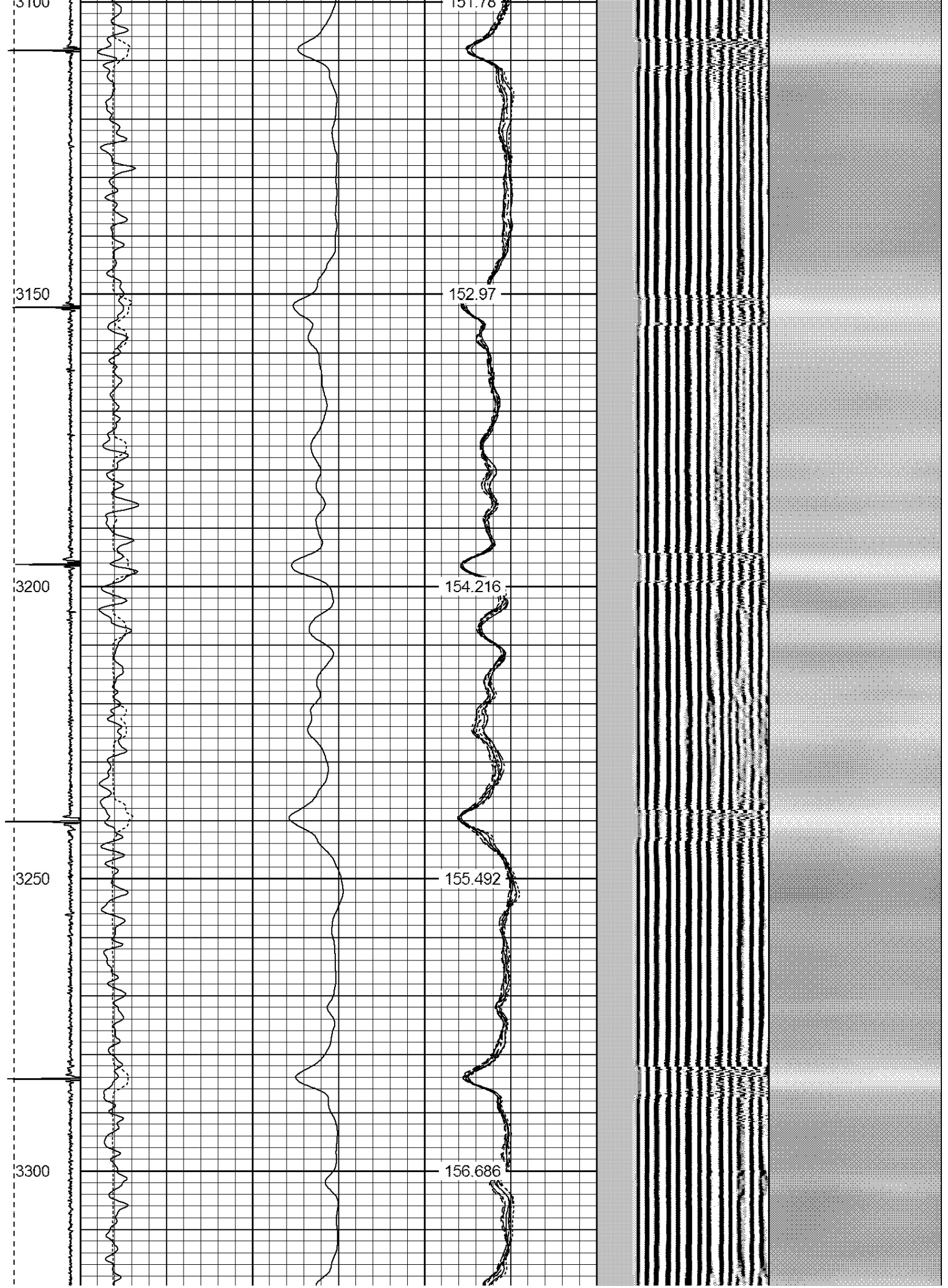


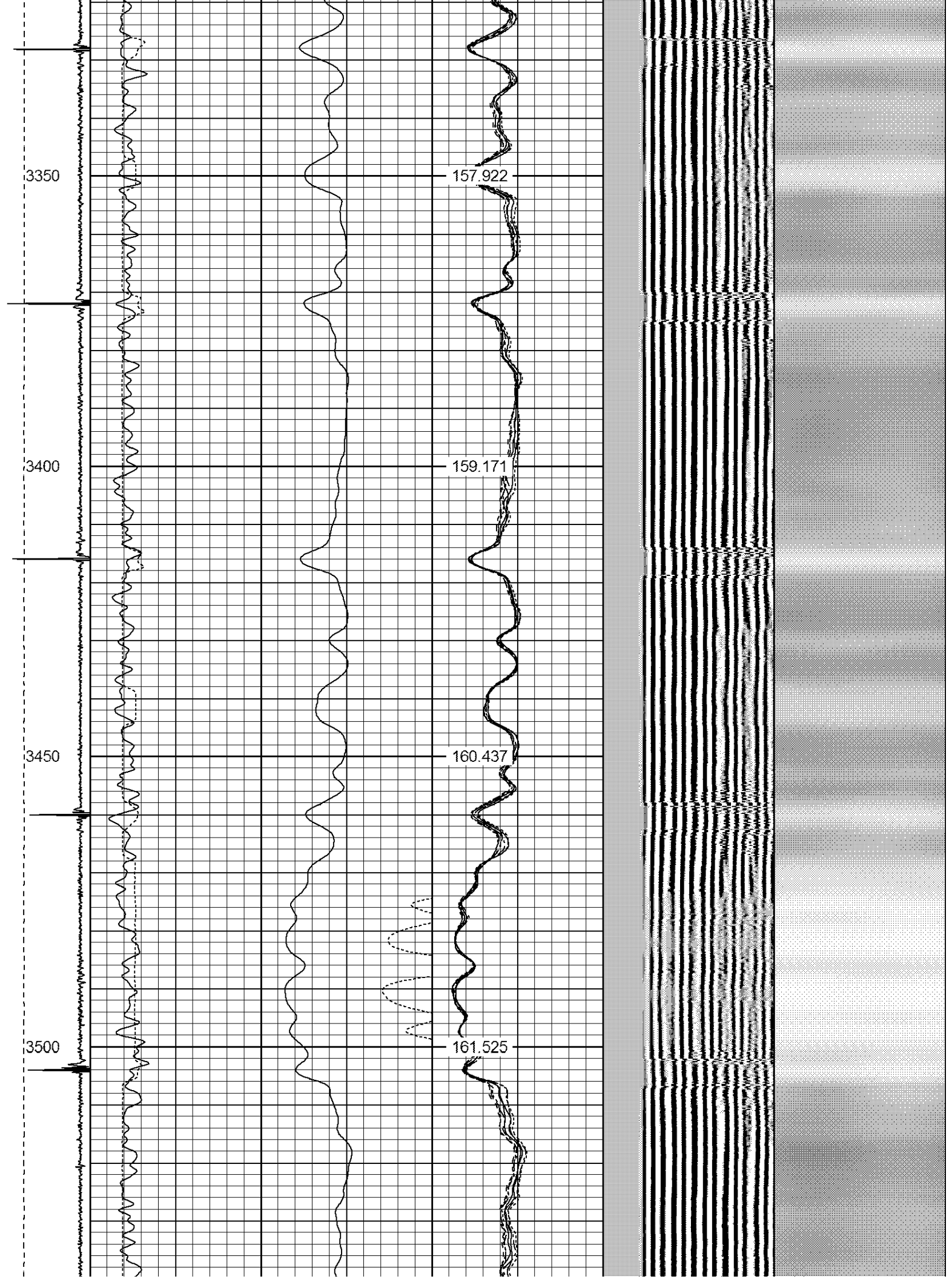


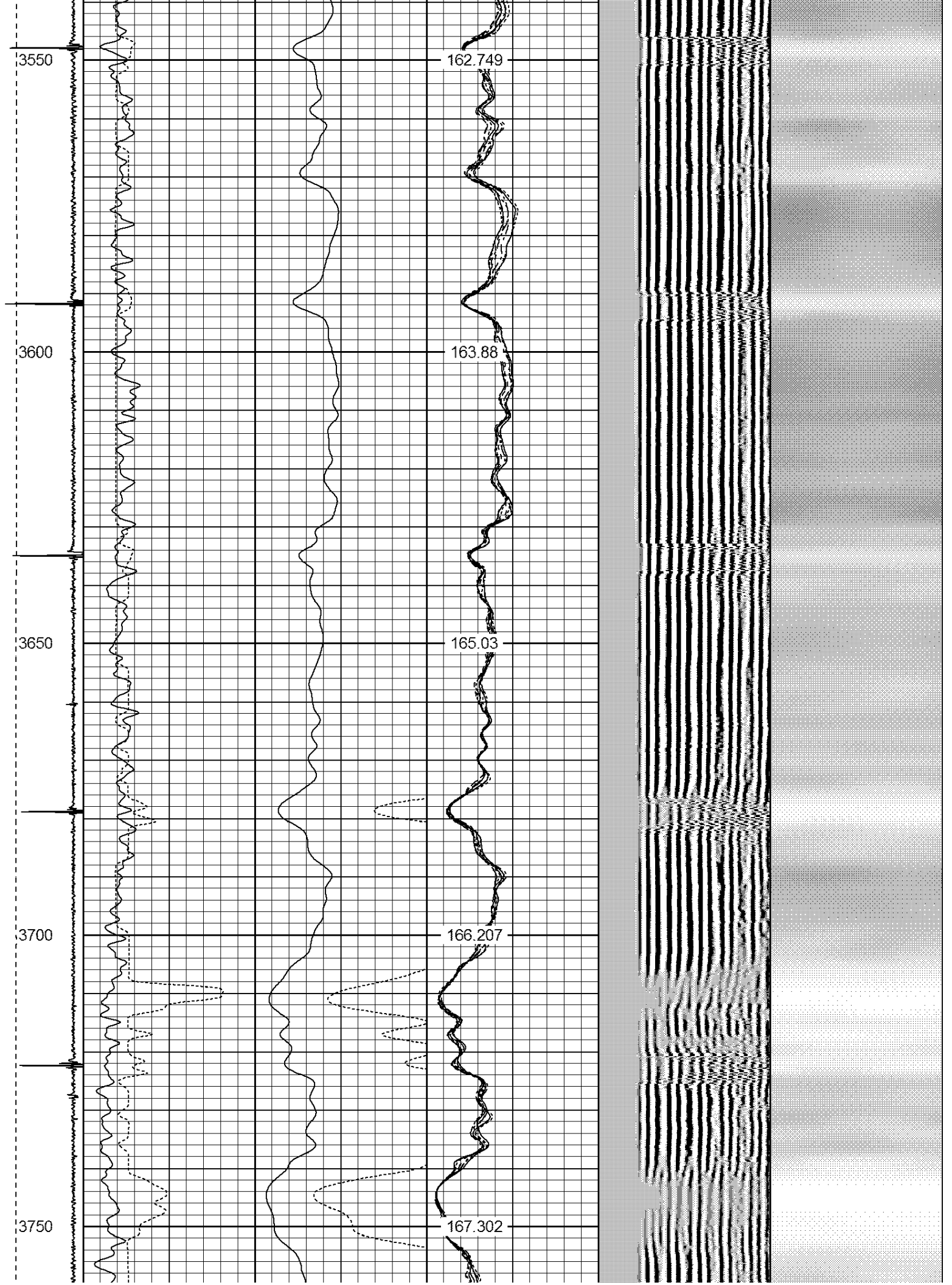












3800

3850

3900

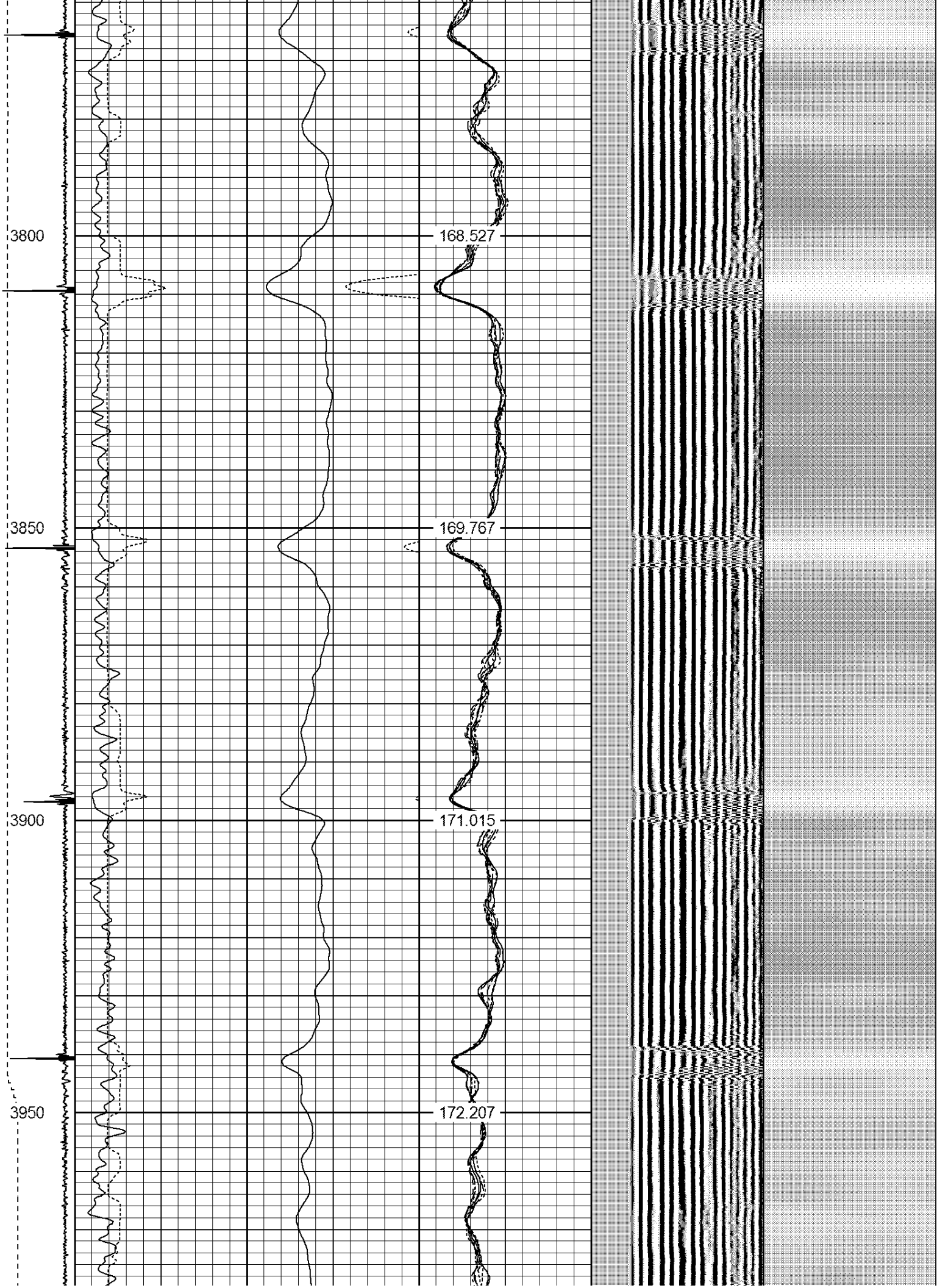
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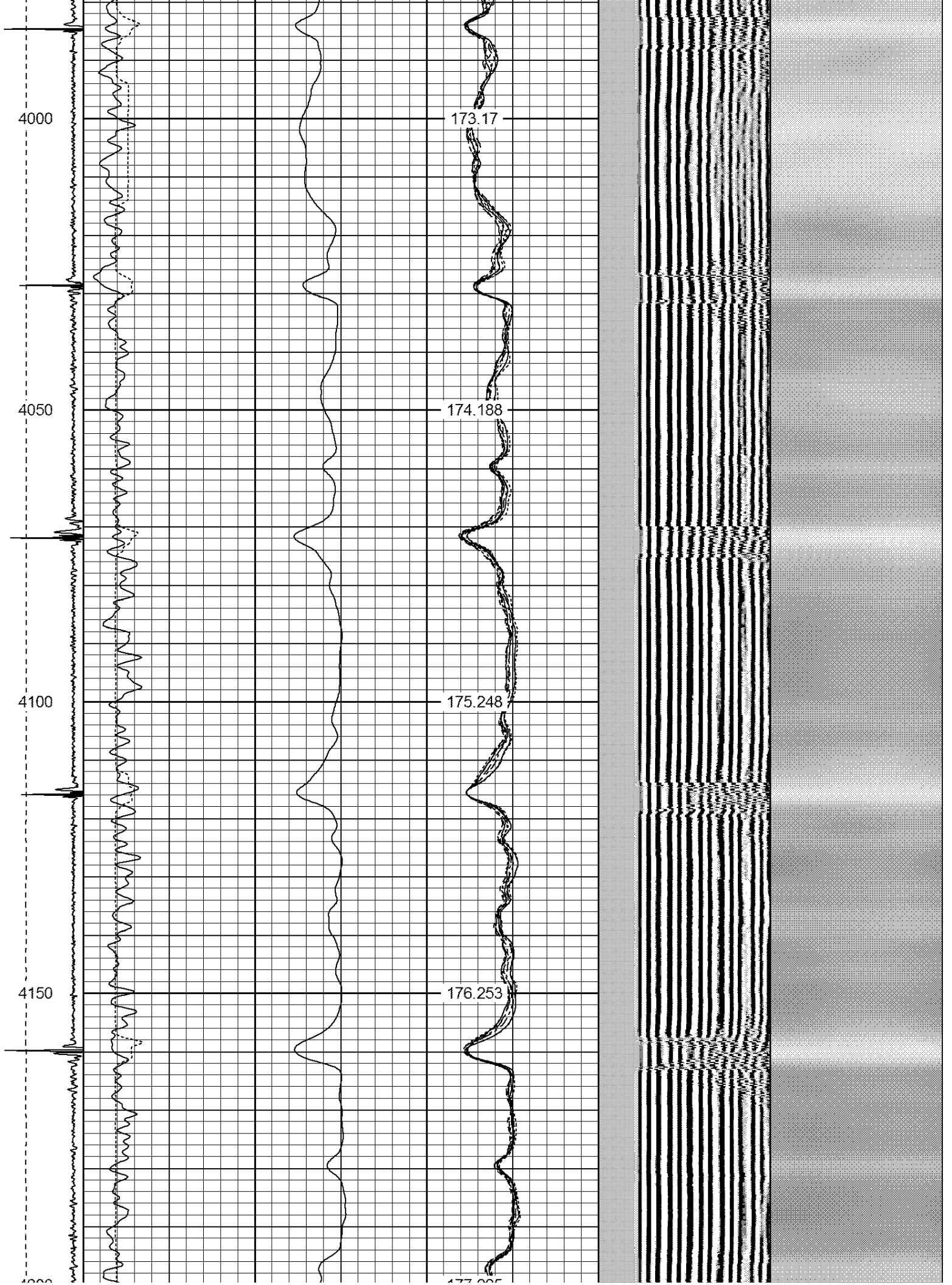
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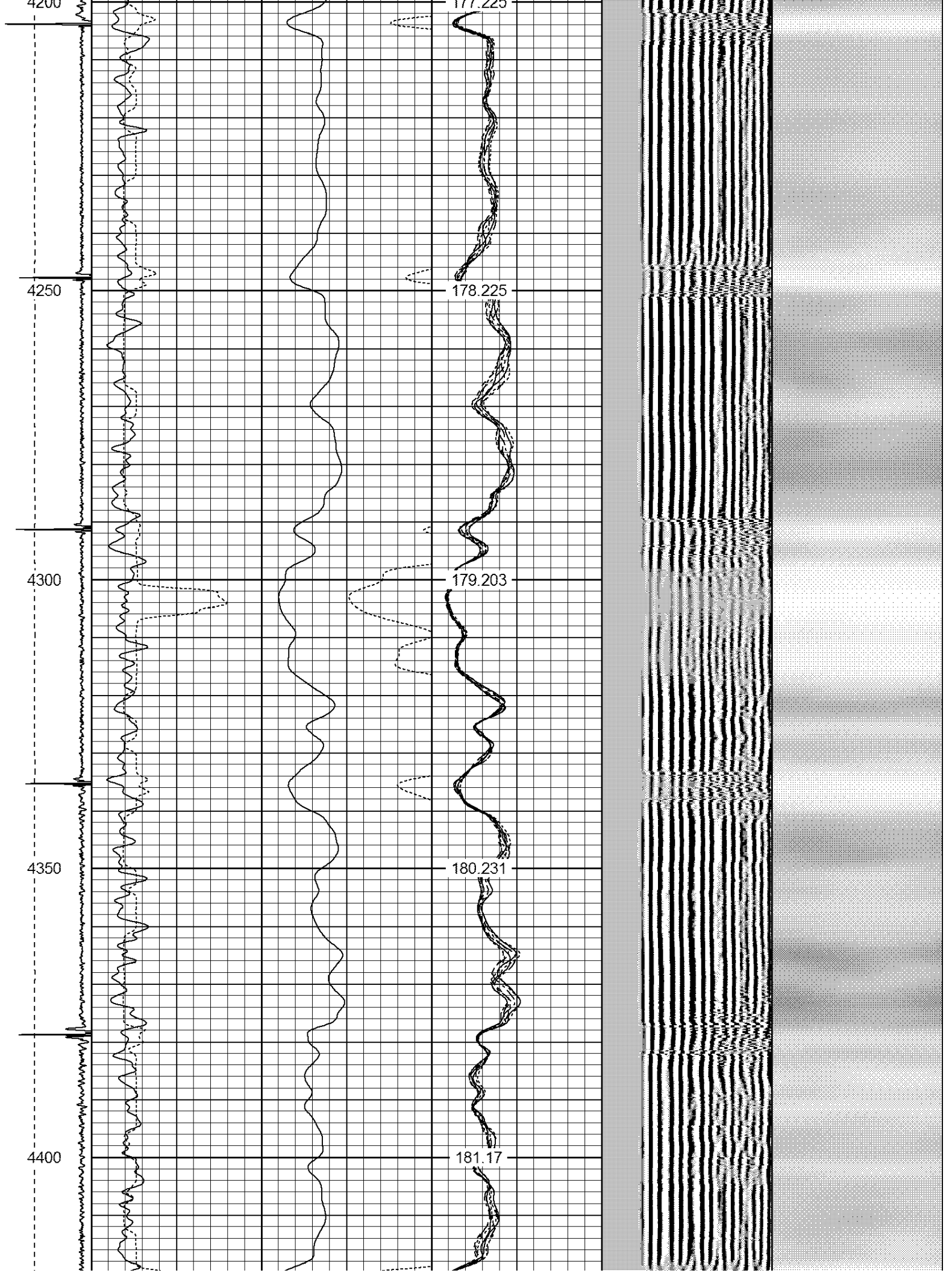
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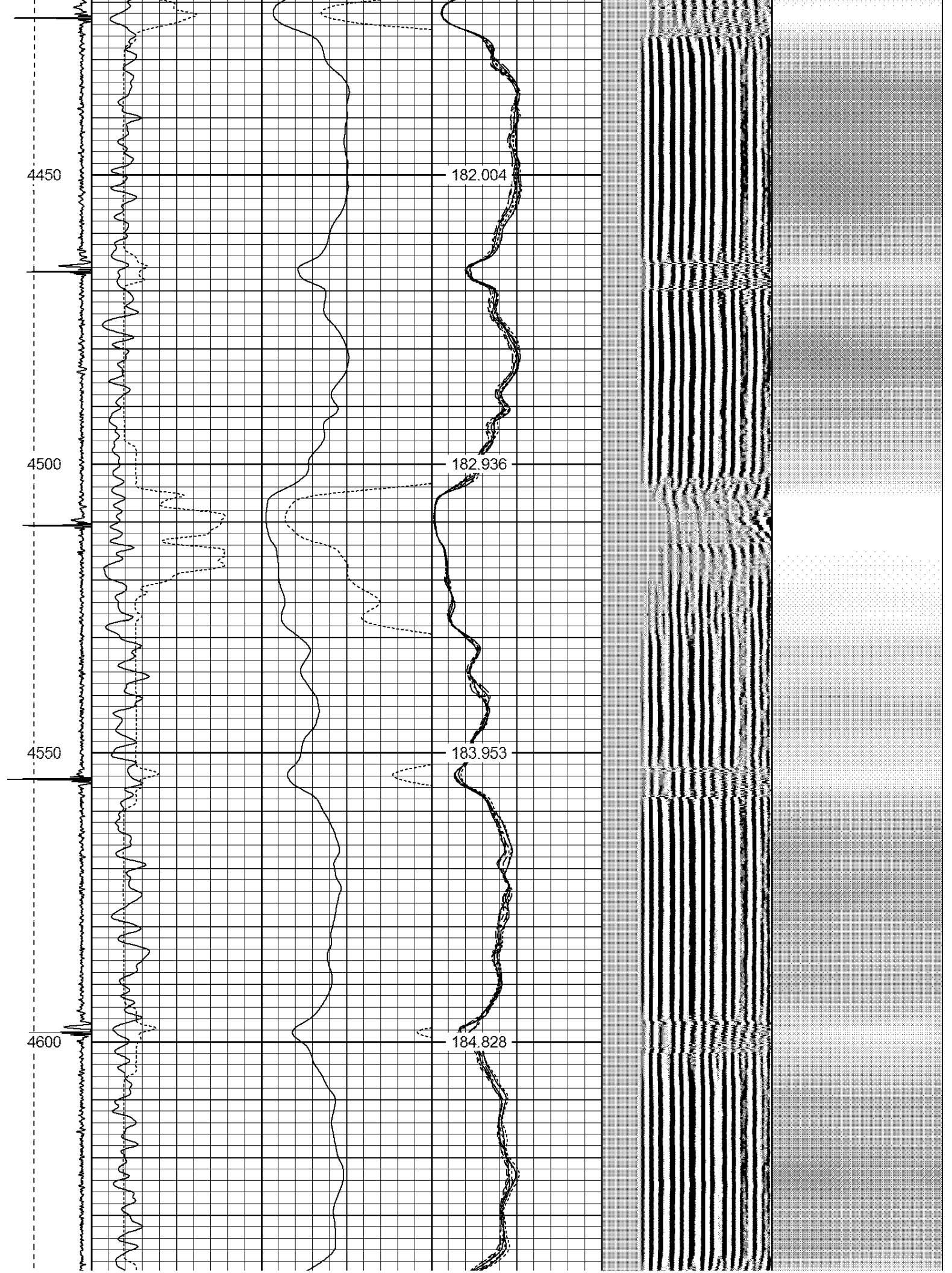
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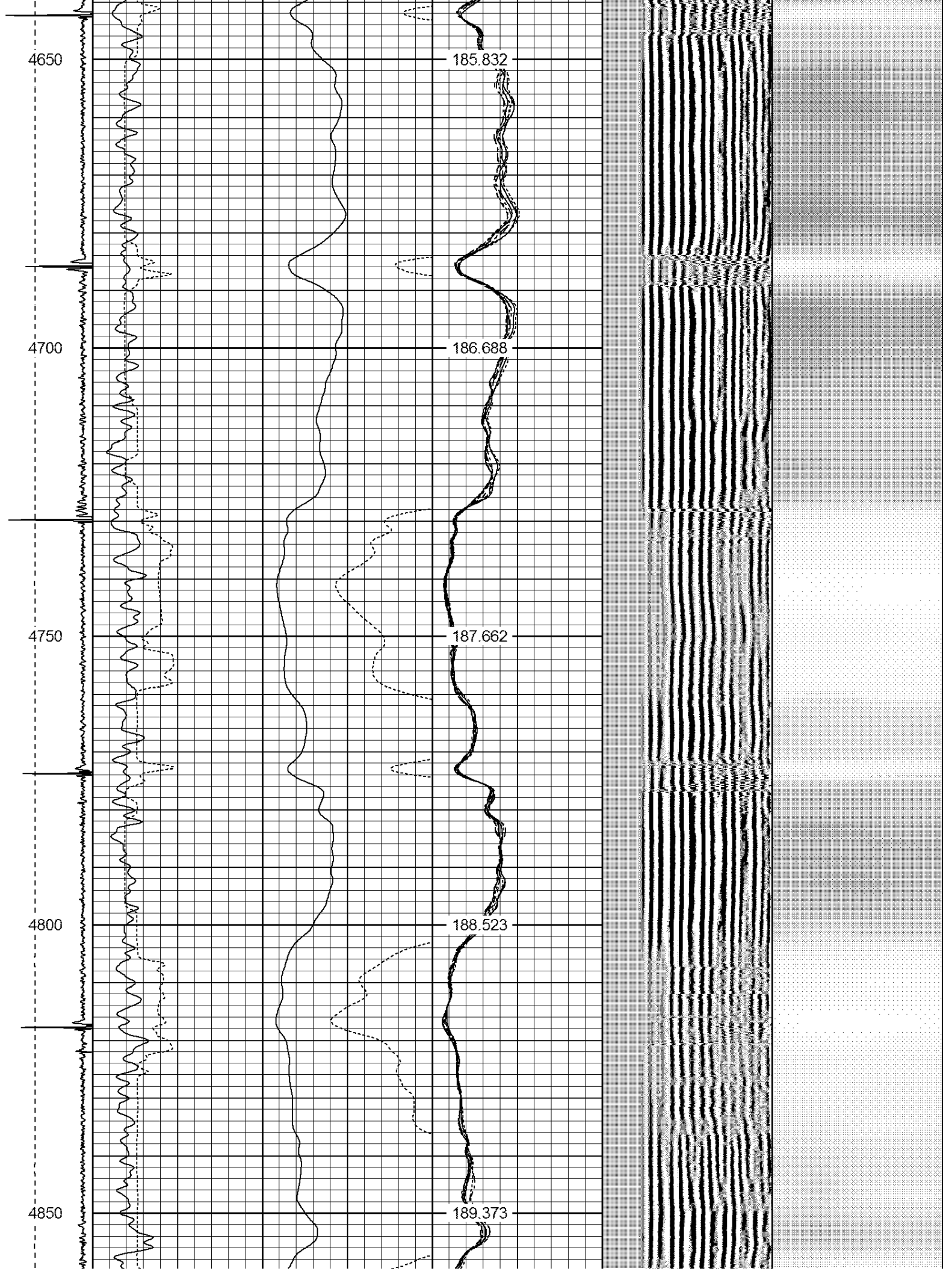
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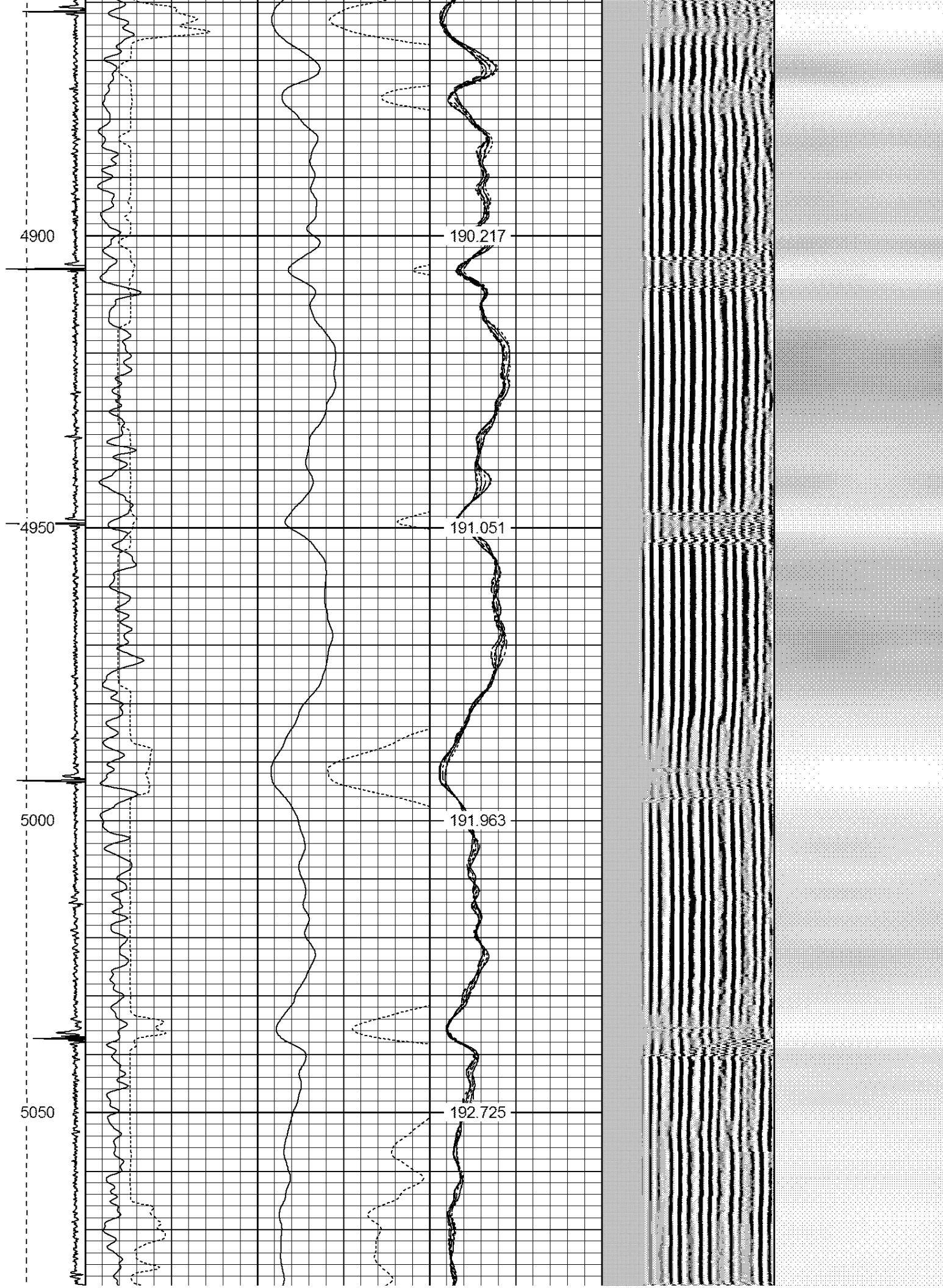












5100

193.52

5150

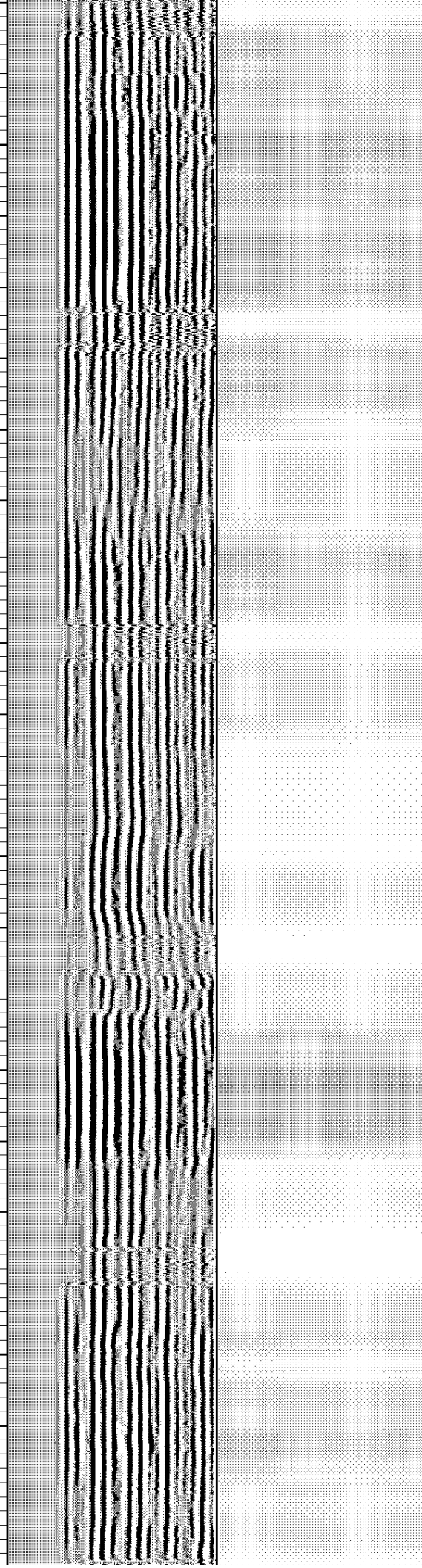
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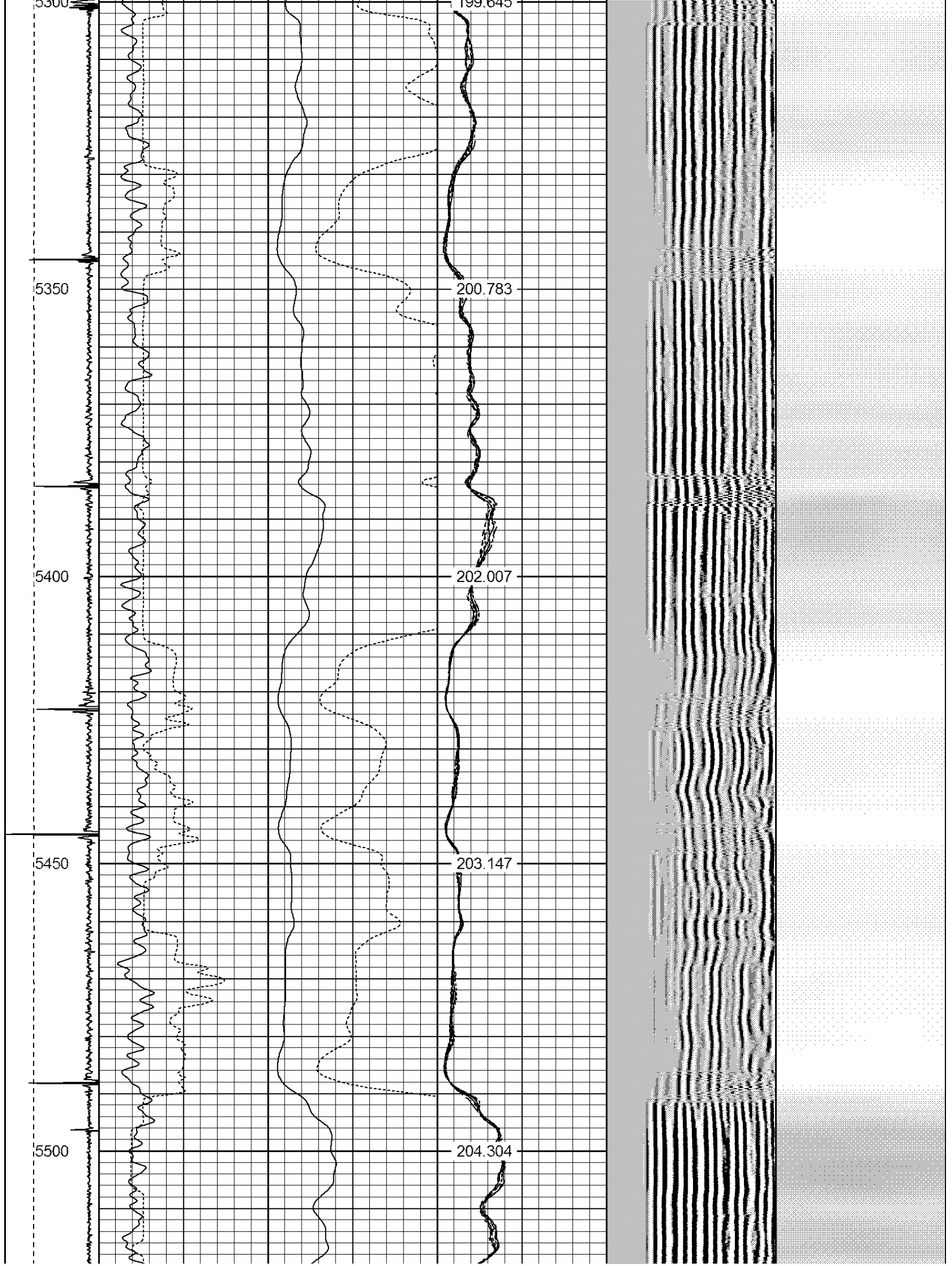
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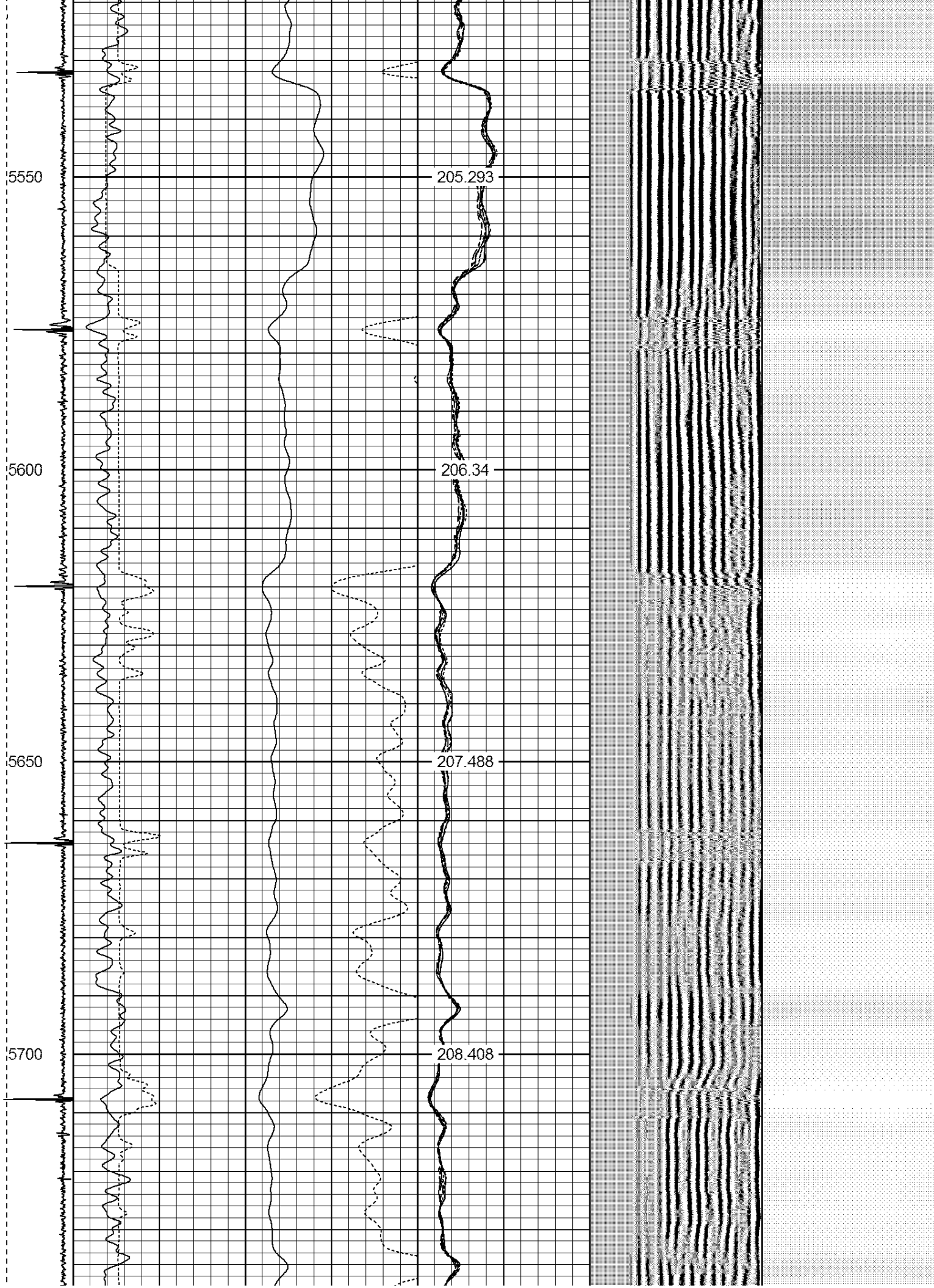
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5250

198.528







5750

209.435

5800

210.263

5850

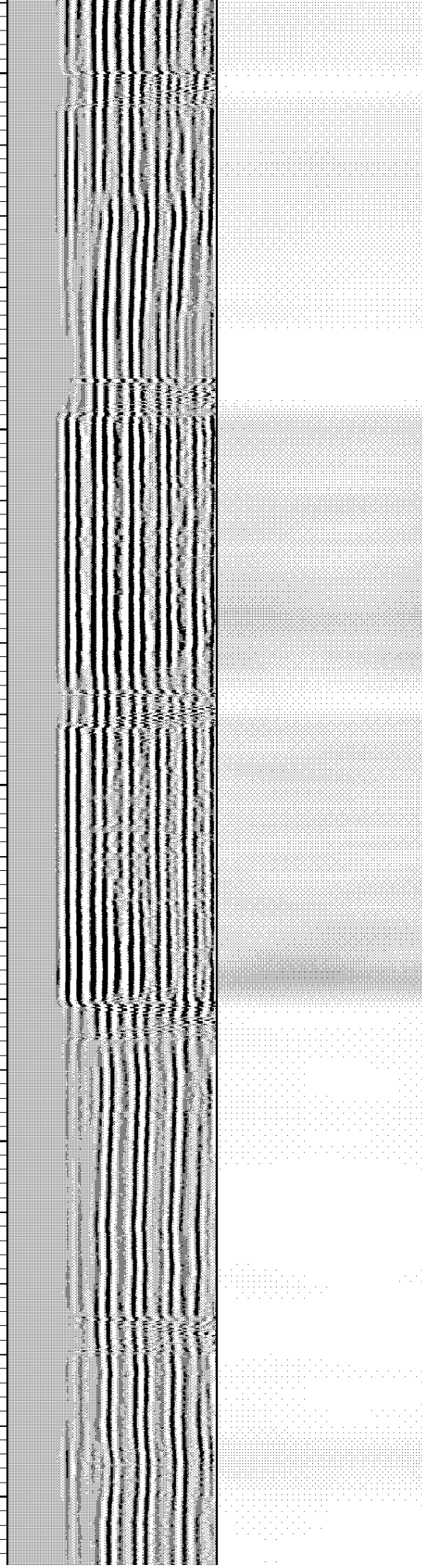
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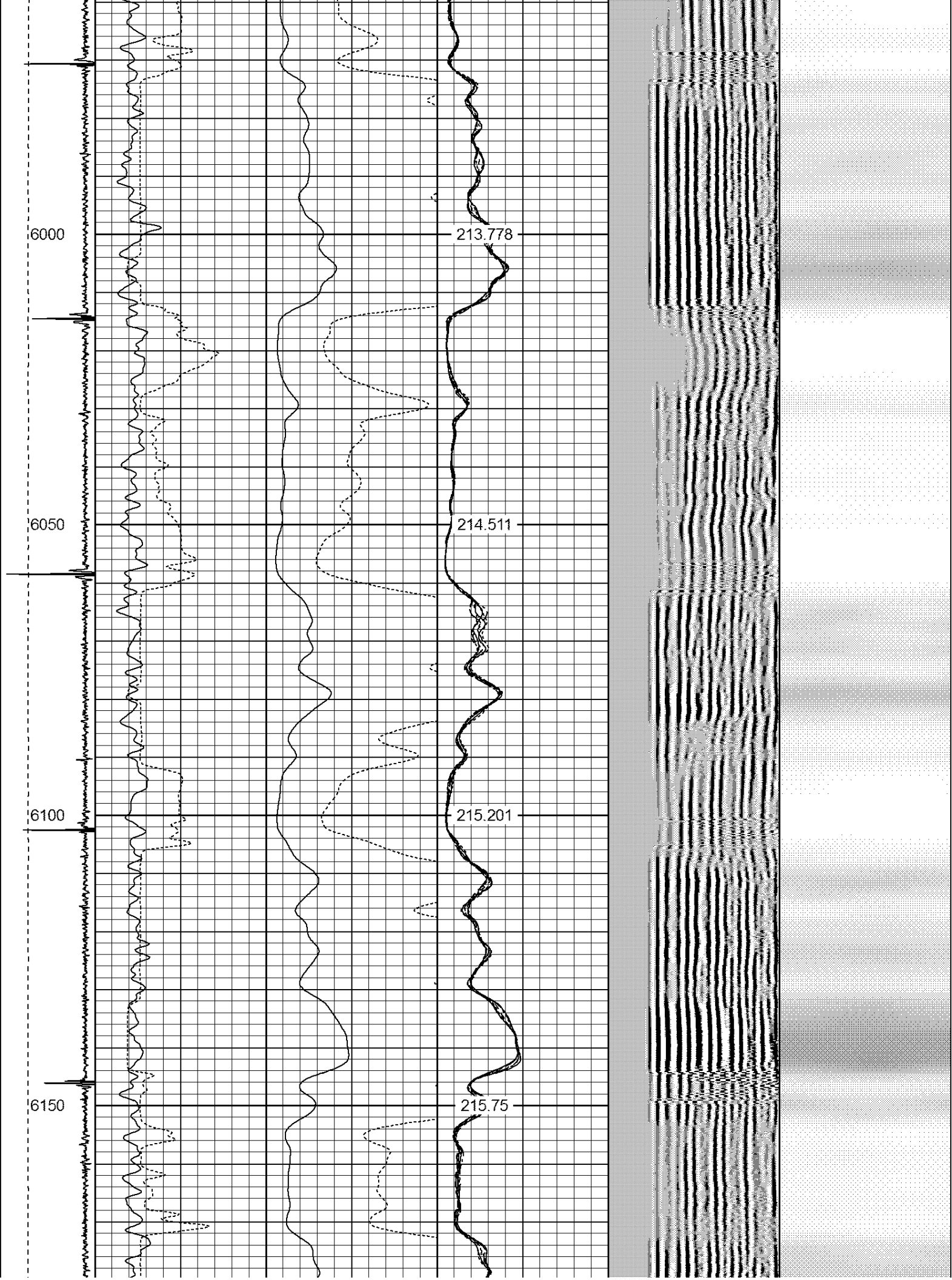
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212.12

5950

213.027





6200

216.244

6250

216.667

6300

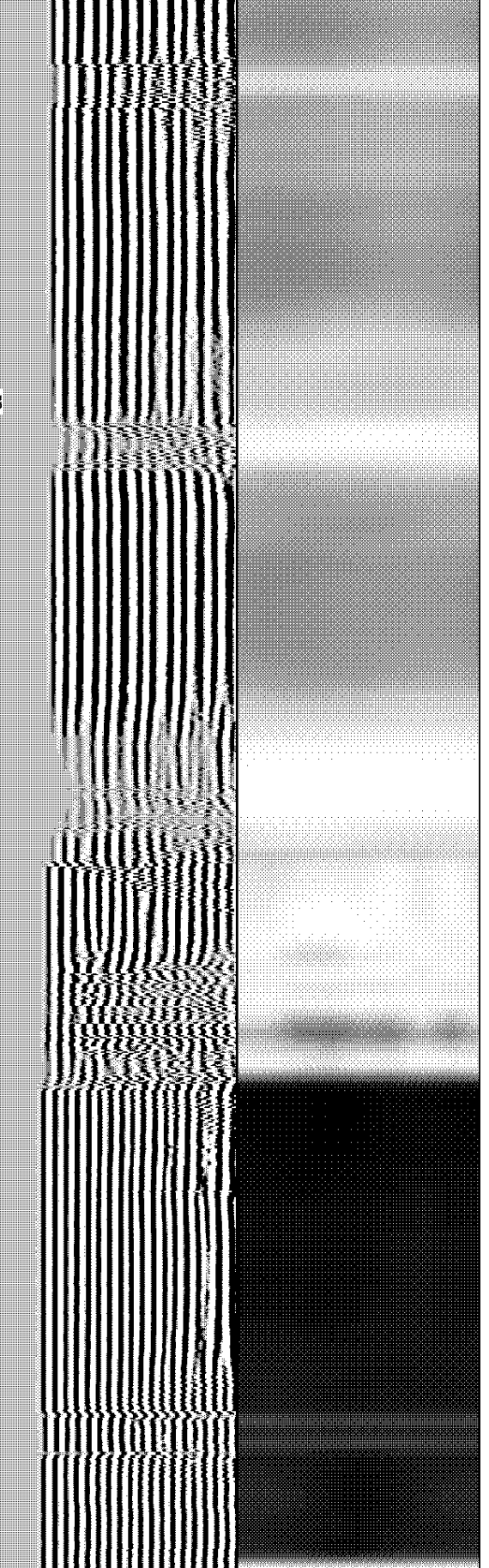
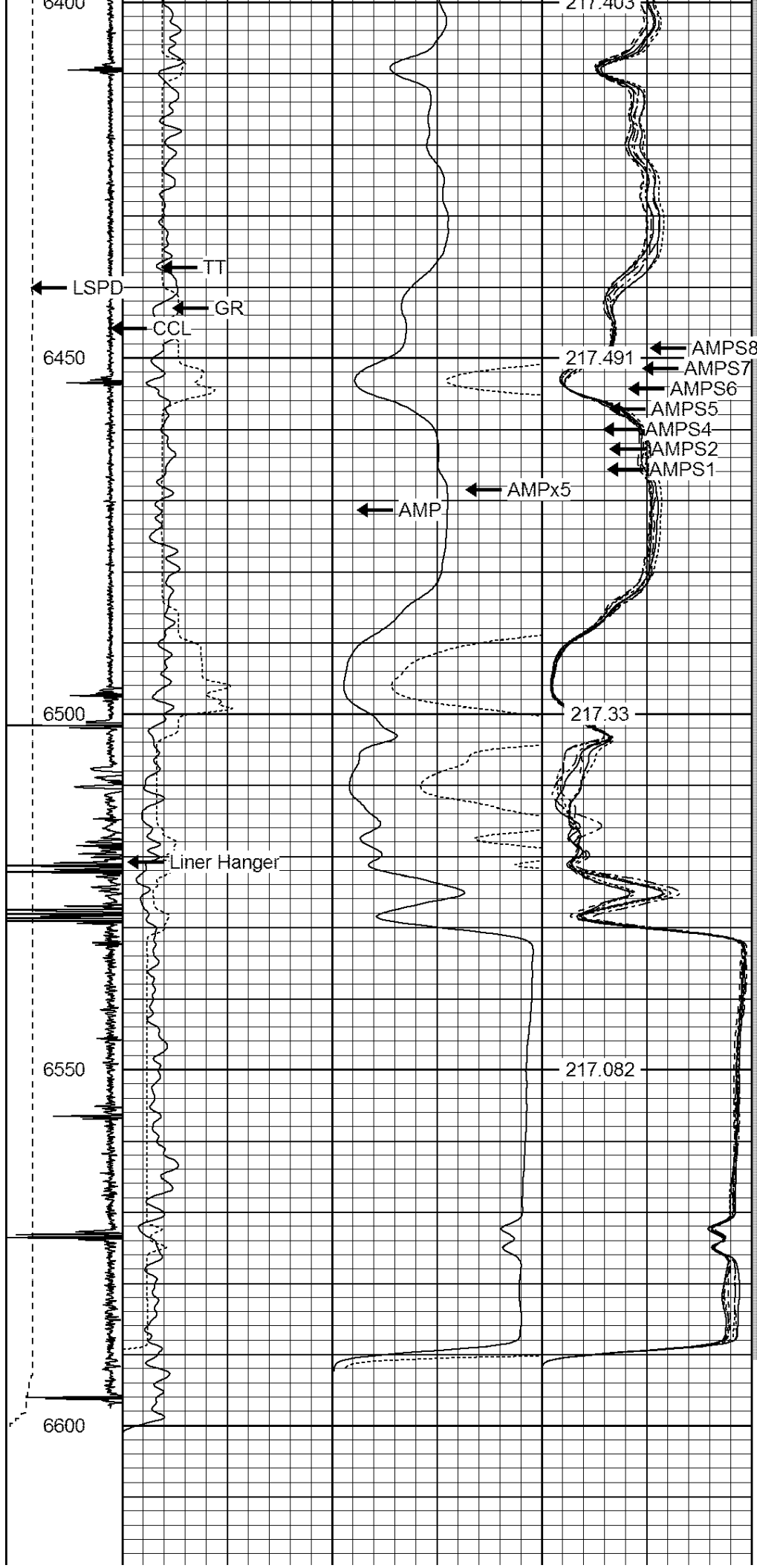
217.021

6350

217.227

6400

217.433



-9	CCL	1	200	TT (usec)	800	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)								



WARRIOR

ENERGY SERVICES

A BARRICK COMPANY

Company BILL BARRETT CORPORATION

Well CIRCLE B 6-66-09-0461BH

Field WATTENBERG

County WELD

State COLORADO