



Radial Cement Bond Log
Gamma-Ray
CCL

Company BILL BARRET CORPORATION
Well HELTON 05-63-27-3340CDH
Field NORTHEAST WATTENBERG
County WELD
State COLORADO

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County WELD State COLORADO

Location: SHL: 2448' FSL & 1122' FWL NW/SW
API # : 05-123-37959
Other Services
Permanent Datum GL Elevation 4542'
Log Measured From KB 16'
Drilling Measured From KB
SEC 27 TWP 5N RGE 63W

Date 2-4-14

Run Number ONE
Depth Driller 11064'
Depth Logger 6100'
Bottom Logged Interval 6100'
Top Log Interval SURF
Open Hole Size 8 3/4"
Type Fluid WATER
Density / Viscosity 1.0
Max. Recorded Temp. 192
Estimated Cement Top 1540'
Time Well Ready N/A
Time Logger on Bottom N/A
Equipment Number 5432
Location GREELEY
Recorded By M. JANDREAU
Witnessed By JOHNNY DAMRON

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	13 1/2"	0'	816'				
TWO	8 3/4	816'	6991'				
THREE	6 1/8"	6991'	11064'				
FOUR							

Casing Record
Surface String 12 1/2 Wgt/Ft 36# Top 0 Bottom 816'
Prot. String
Production String 7" 26# 0 6991'
Liner 4 1/2 11.6 5991' 11064'

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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

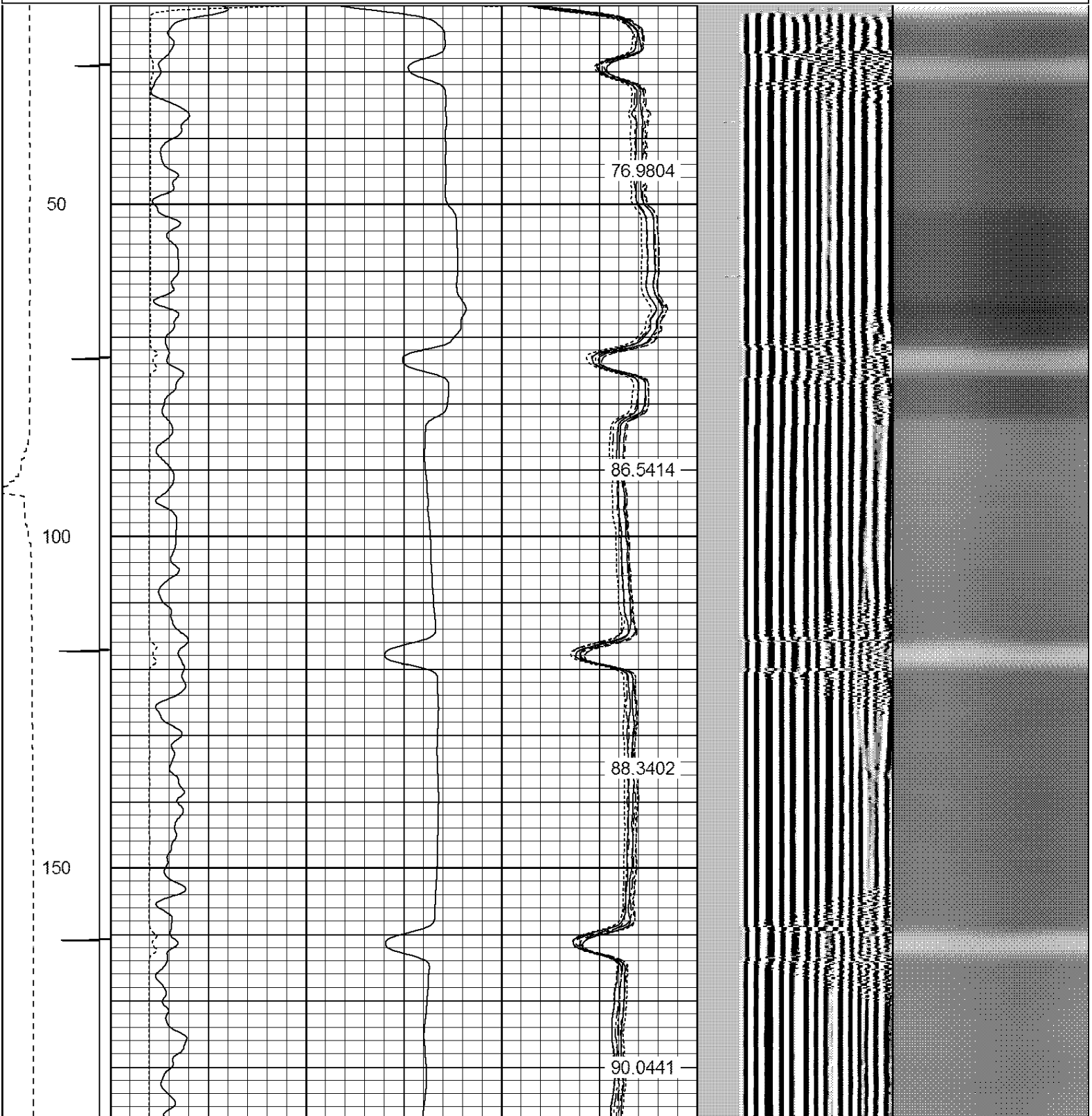
RAN LOG TO VERIFY CEMENT
TIED IN TO LINER TOP AT 6008'
POLISHED BORE RECEPTICAL TOP AT 5991'

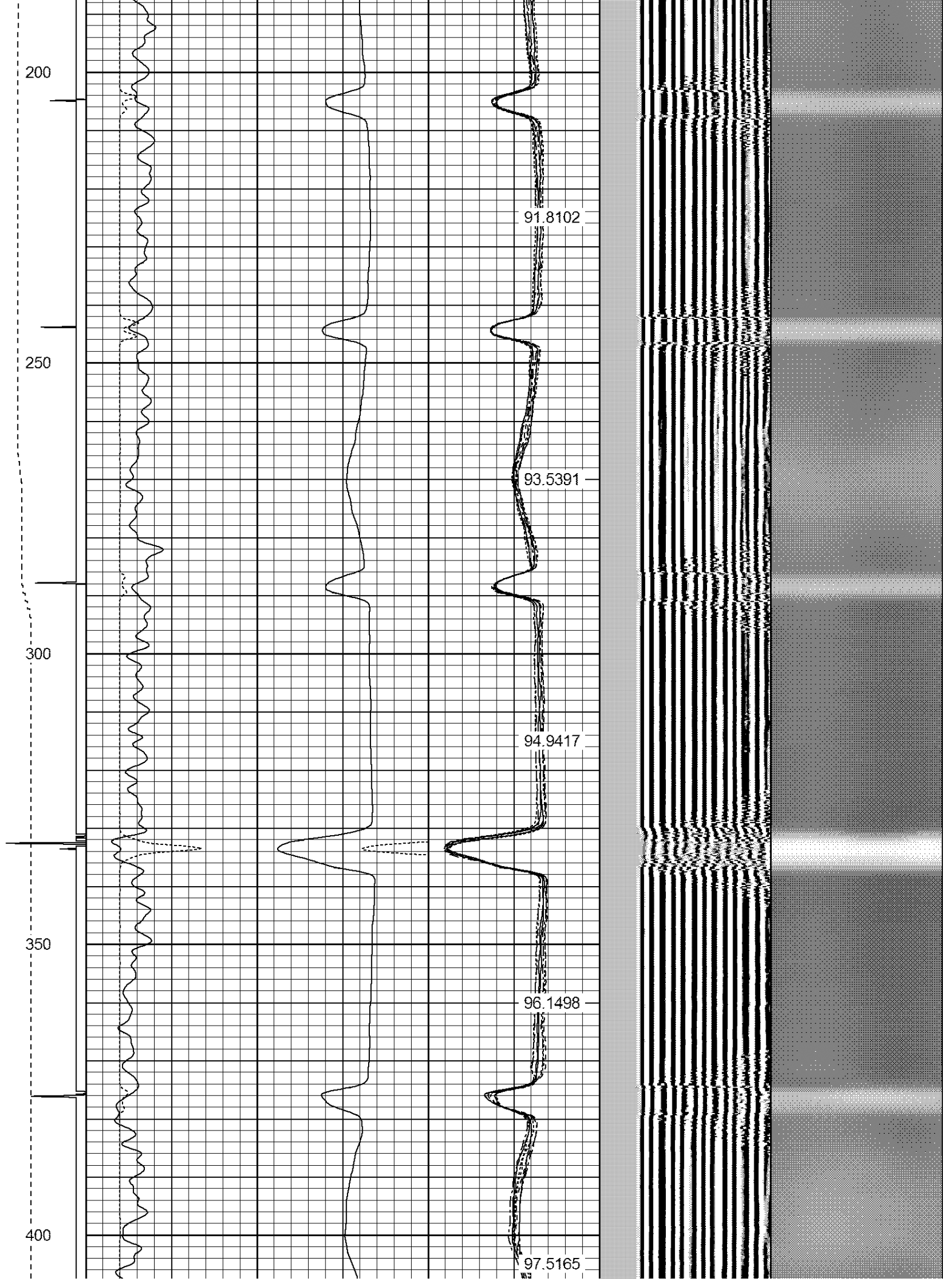
THANK YOU FOR USING WARRIOR ENERGY SERVICES!

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

			PTS275	2.83	2.75	
HEADVOLT	16.25					
IntTemp	14.83					
WVF3FT	11.58		RBT-Probe (Base)	8.92	2.75	90.00
WVFCAL	11.58		Probe Radii Bond Tool with Digital Telemetry			
WVFS1	11.58					
WVFS2	11.58					
WVFS3	11.58					
WVFS4	11.58					
WVFS5	11.58					
WVFS6	11.58					
WVFS7	11.58					
WVFS8	11.58					
WVF5FT	10.58					
CNLSC	6.00		CNT-Probe_B (275)	3.00	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: helton 05-63-27-3340cdh.db: field/well/run1/pass2 Total Length: 19.08 ft Total Weight: 160.00 lb O.D. 2.75 in						

Dataset Creation: Tue Feb 04 10:34:50 2014 by Log 7.0 B1																			
Charted by: Depth in Feet scaled 1:240																			
-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	
	200		GR (GAPI)		400					0	AMPS4	100							
	0									0	AMPS5	100							
										0	AMPS6	100							
										0	AMPS7	100							
										0	AMPS8	100							
										IntTemp (degF)									





450

98.7322

500

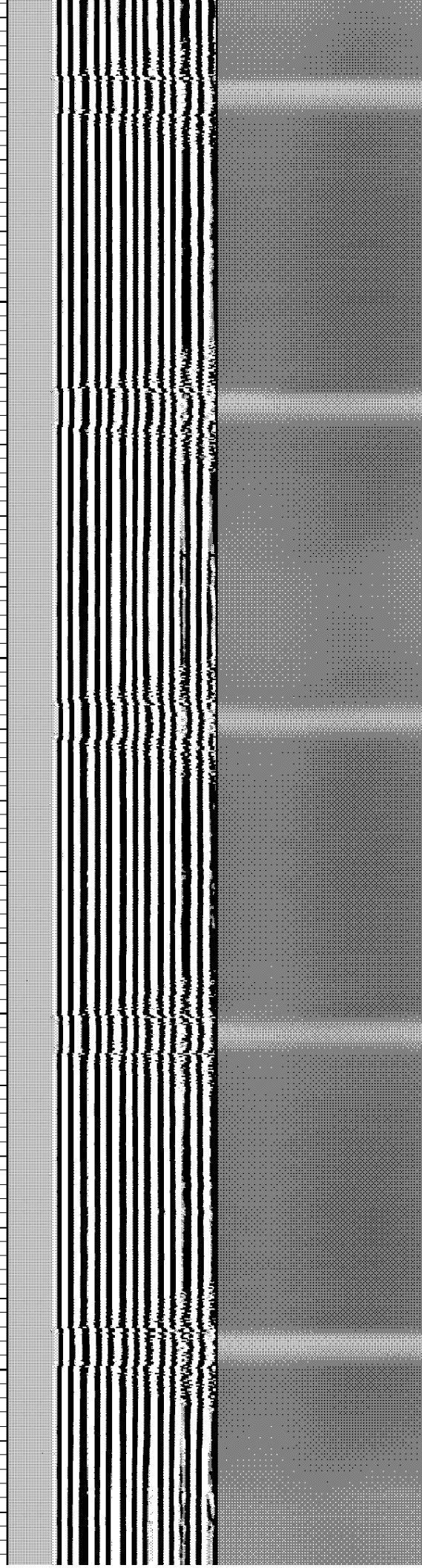
99.9984

550

101.233

600

102.489





850

900

950

1000

1050

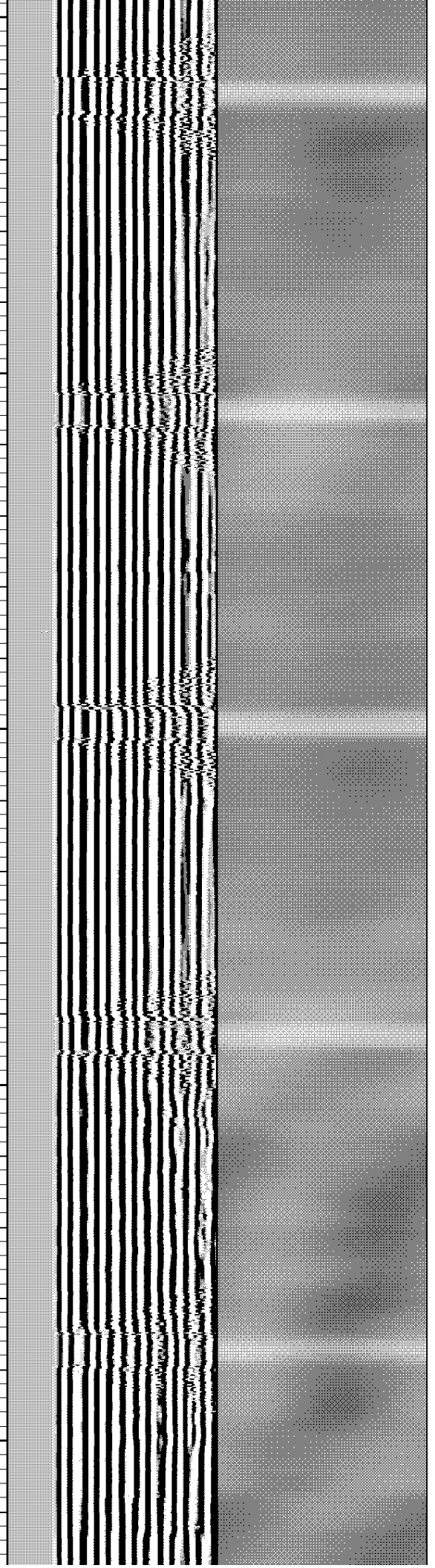
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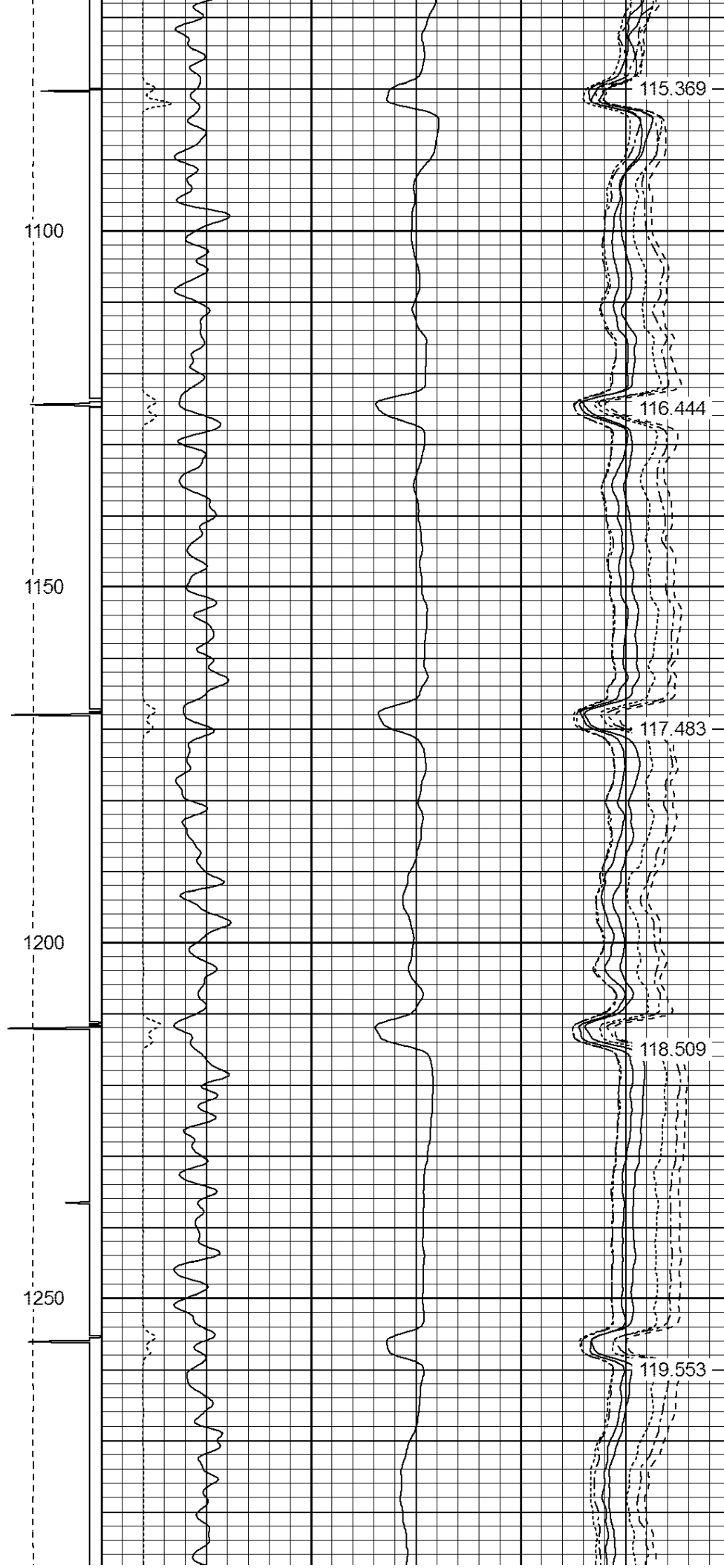
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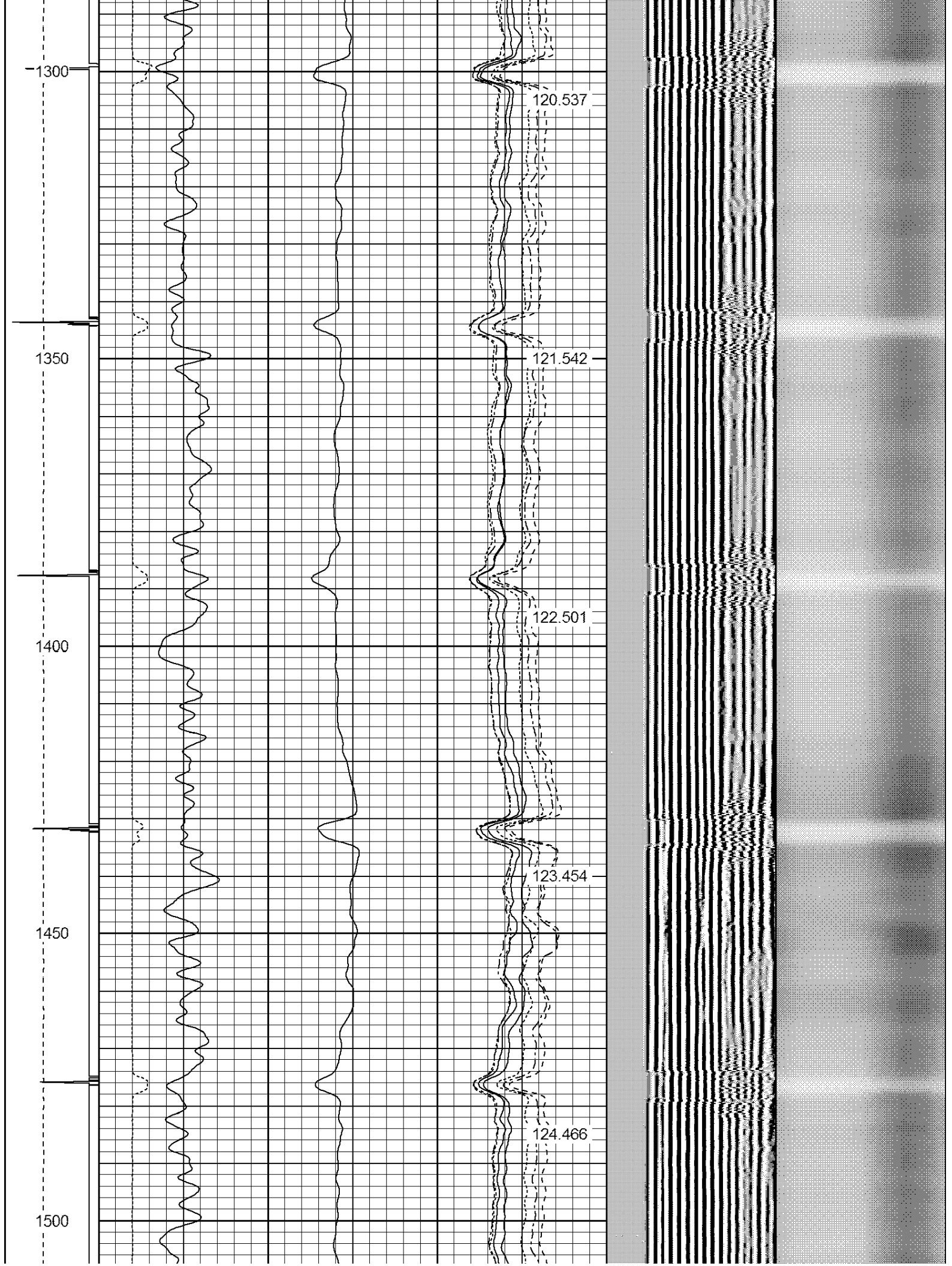
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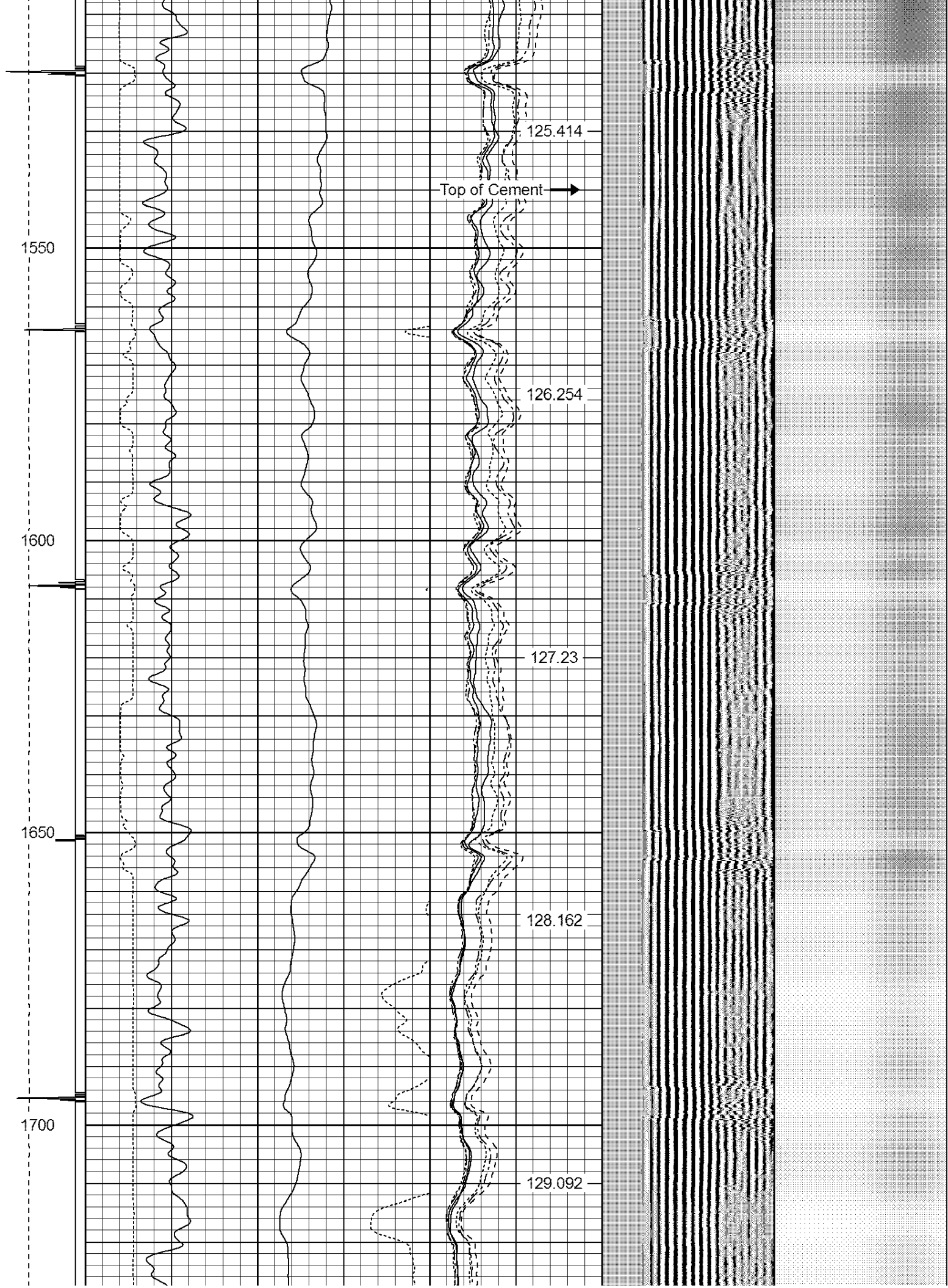
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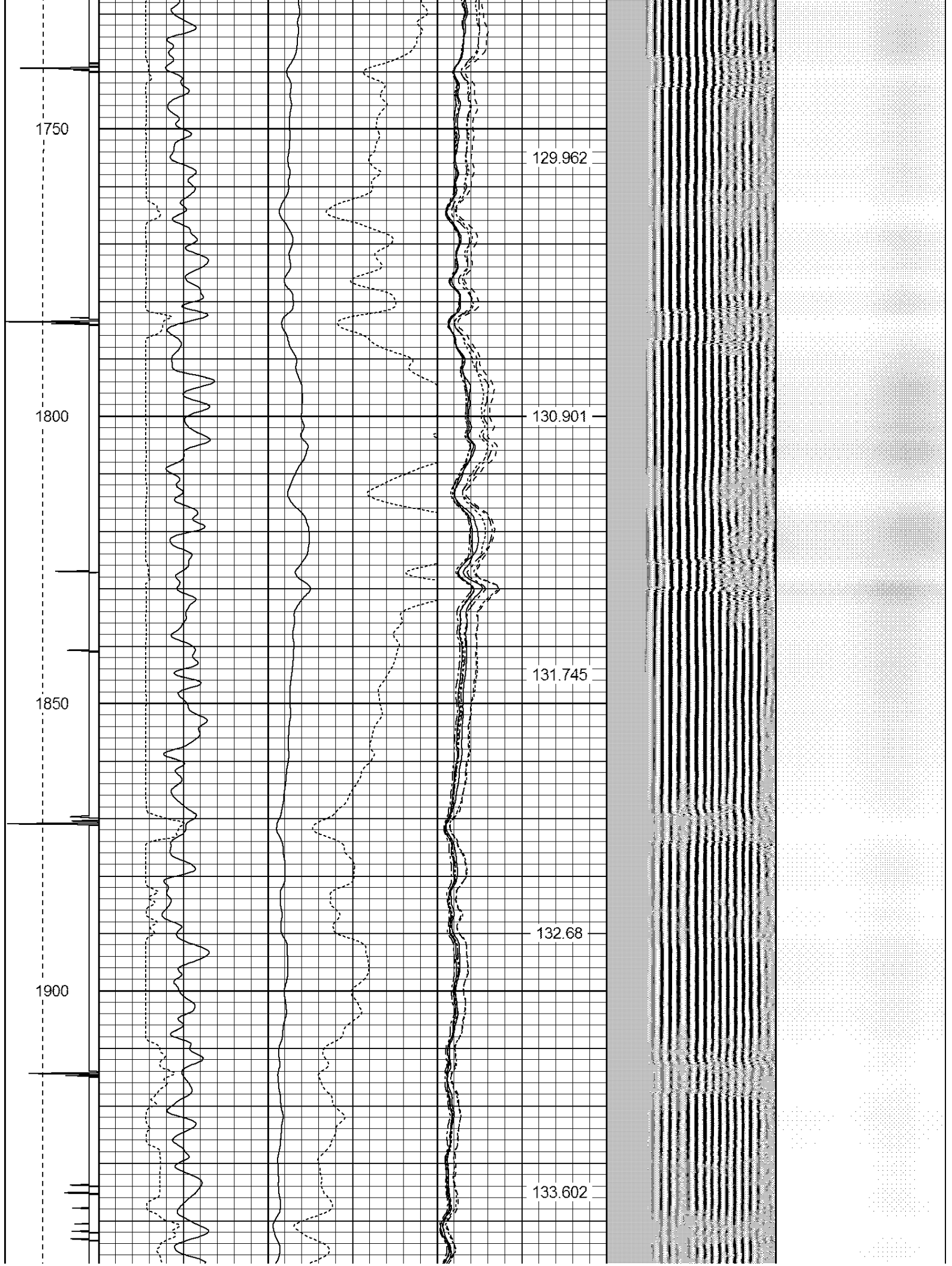
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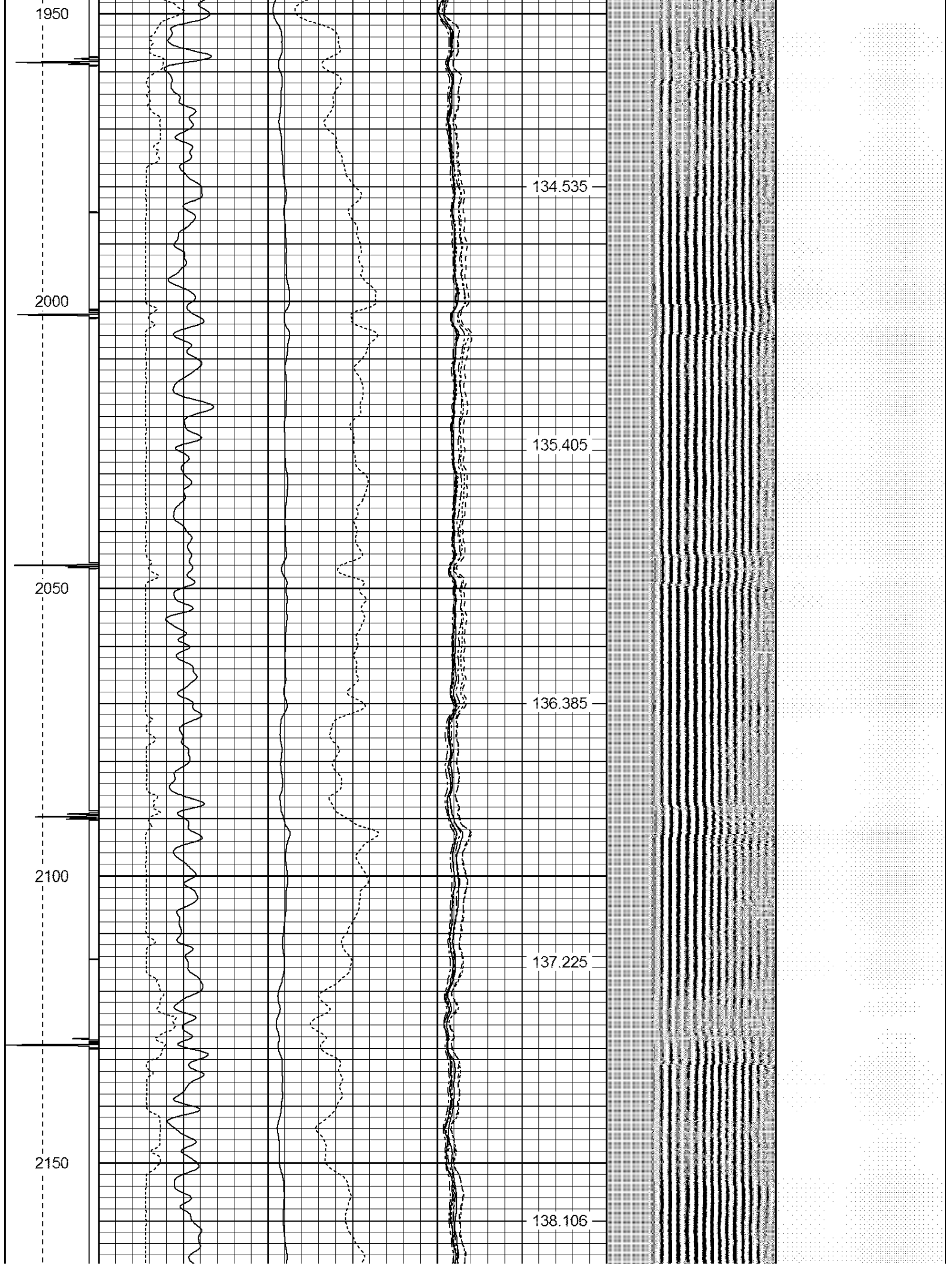


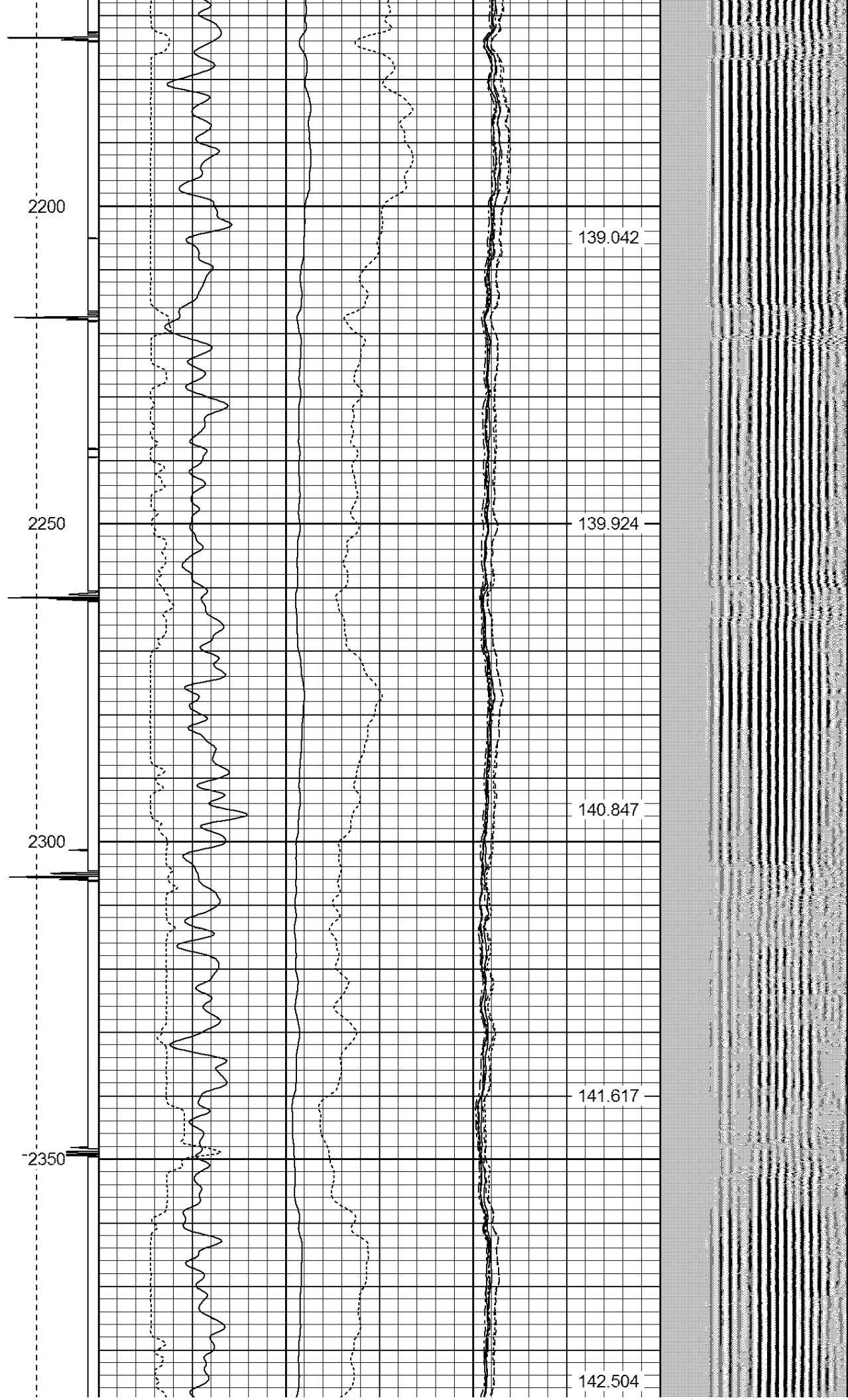










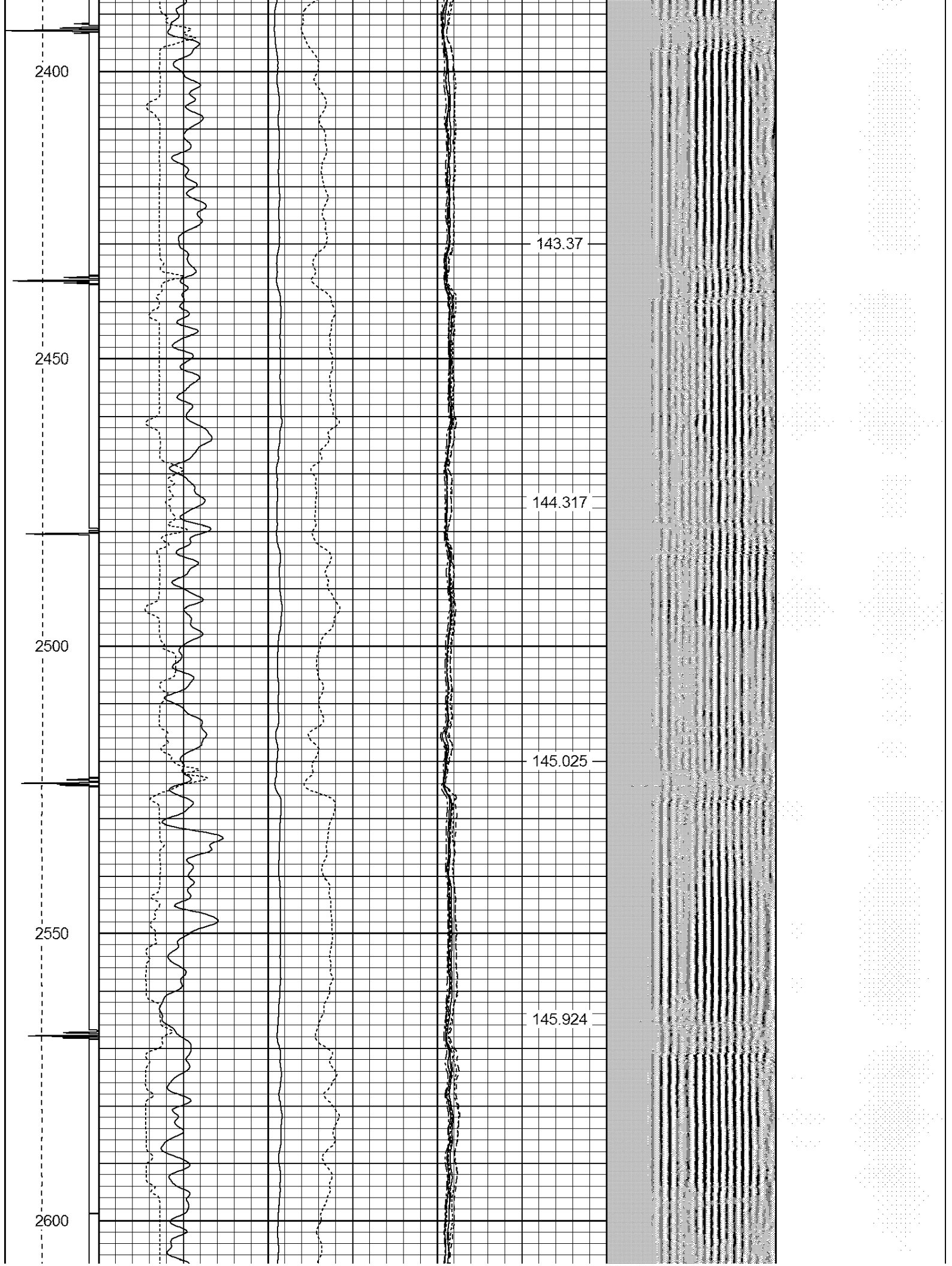


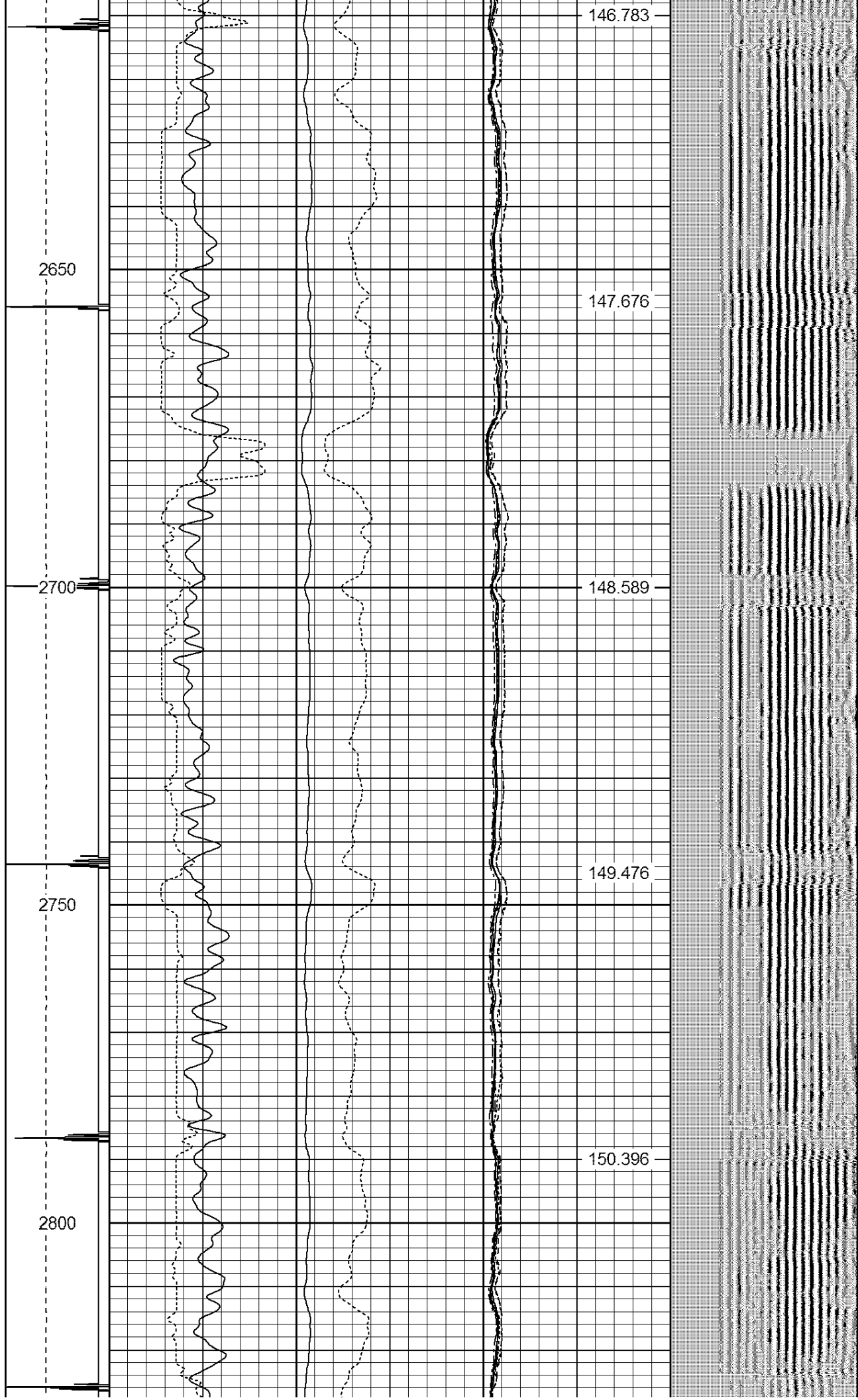
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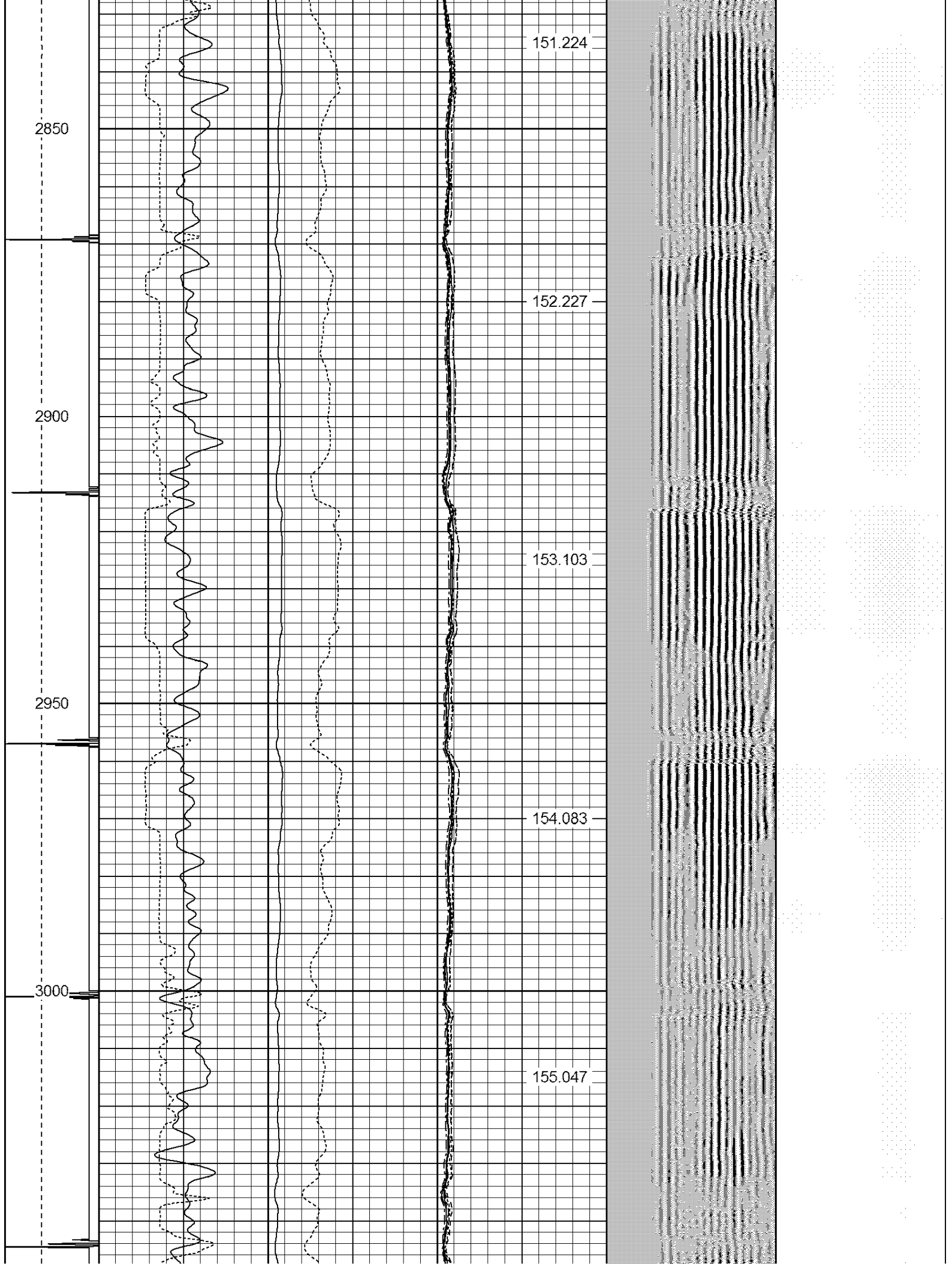
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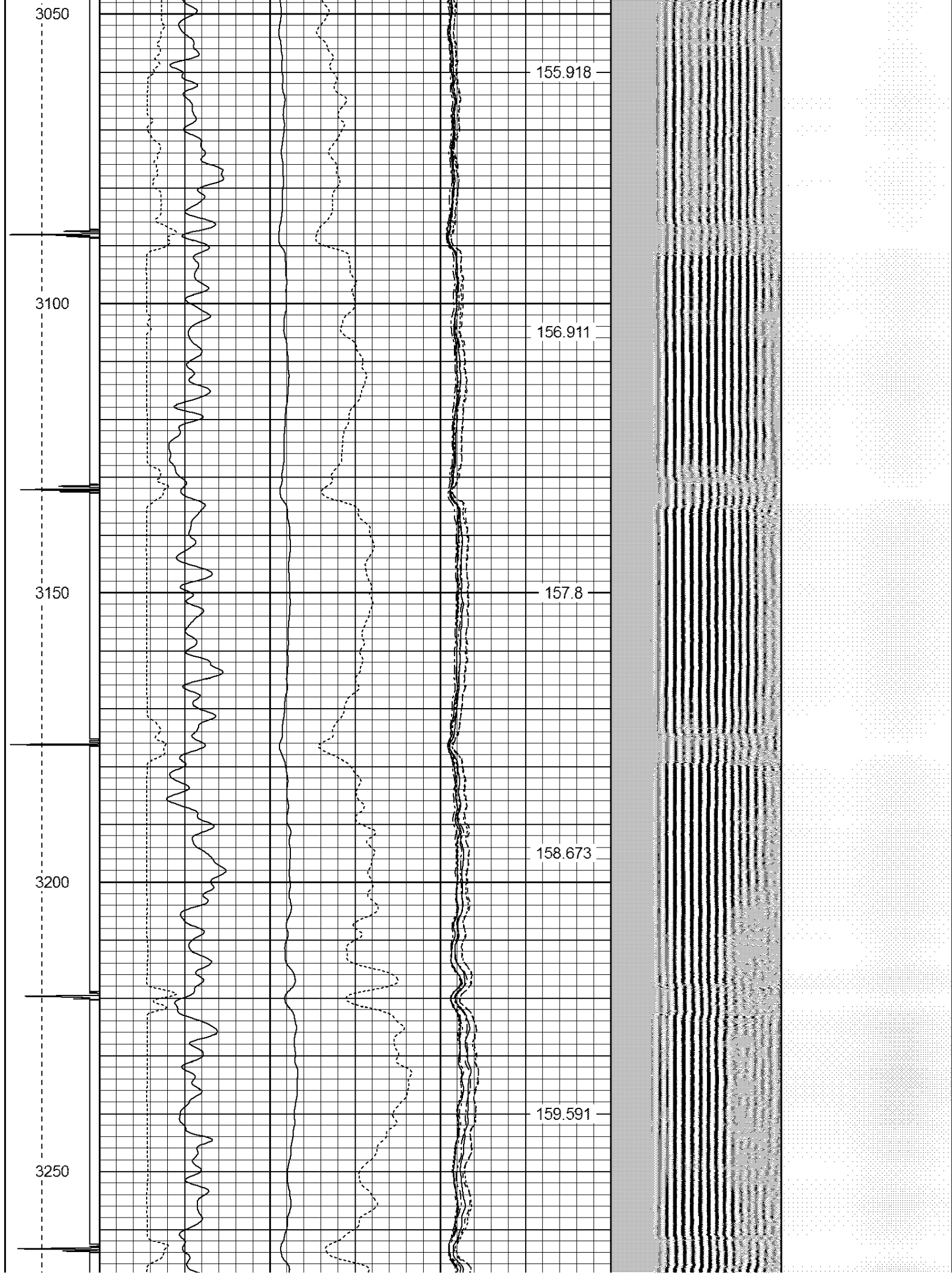
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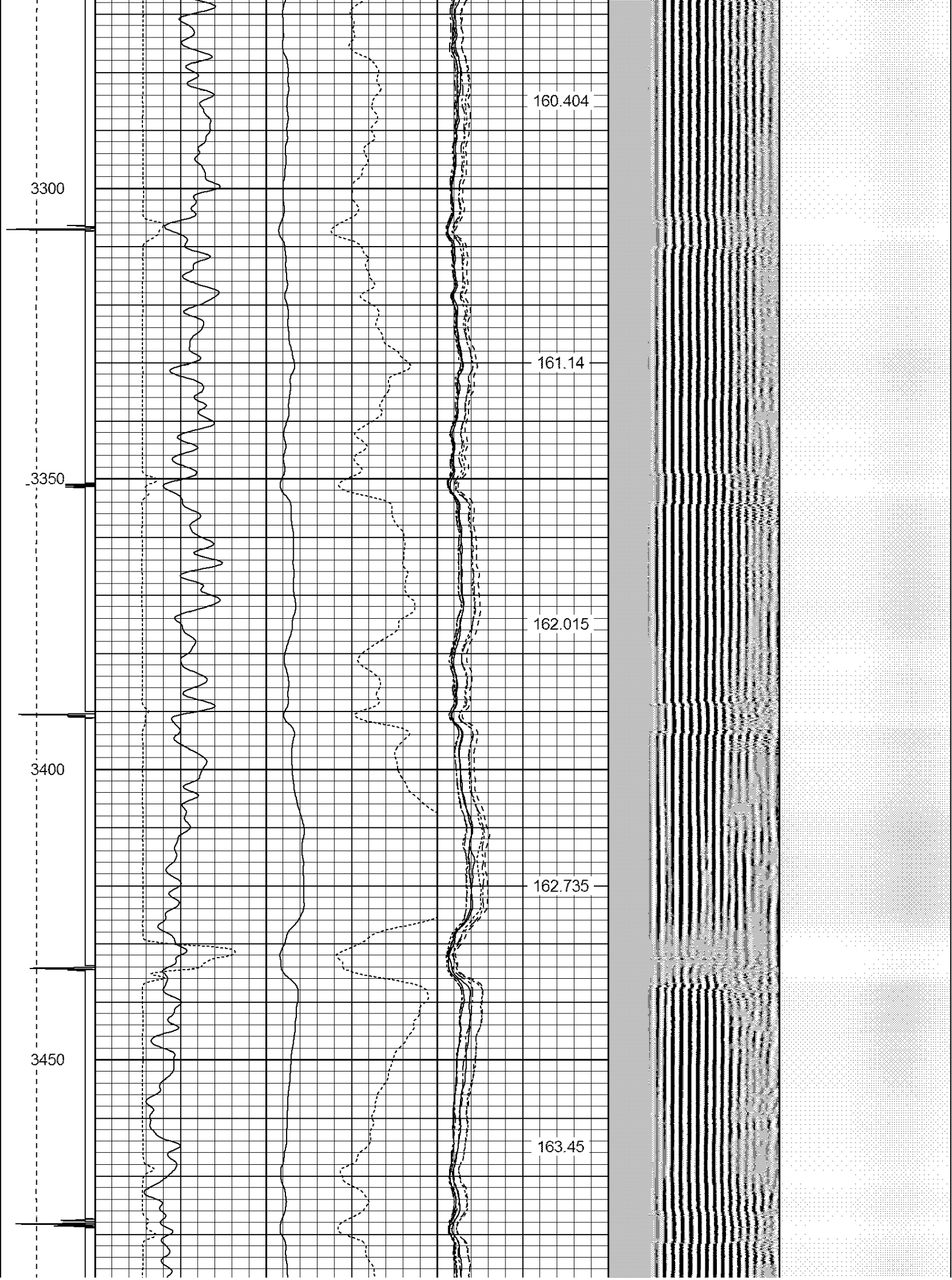
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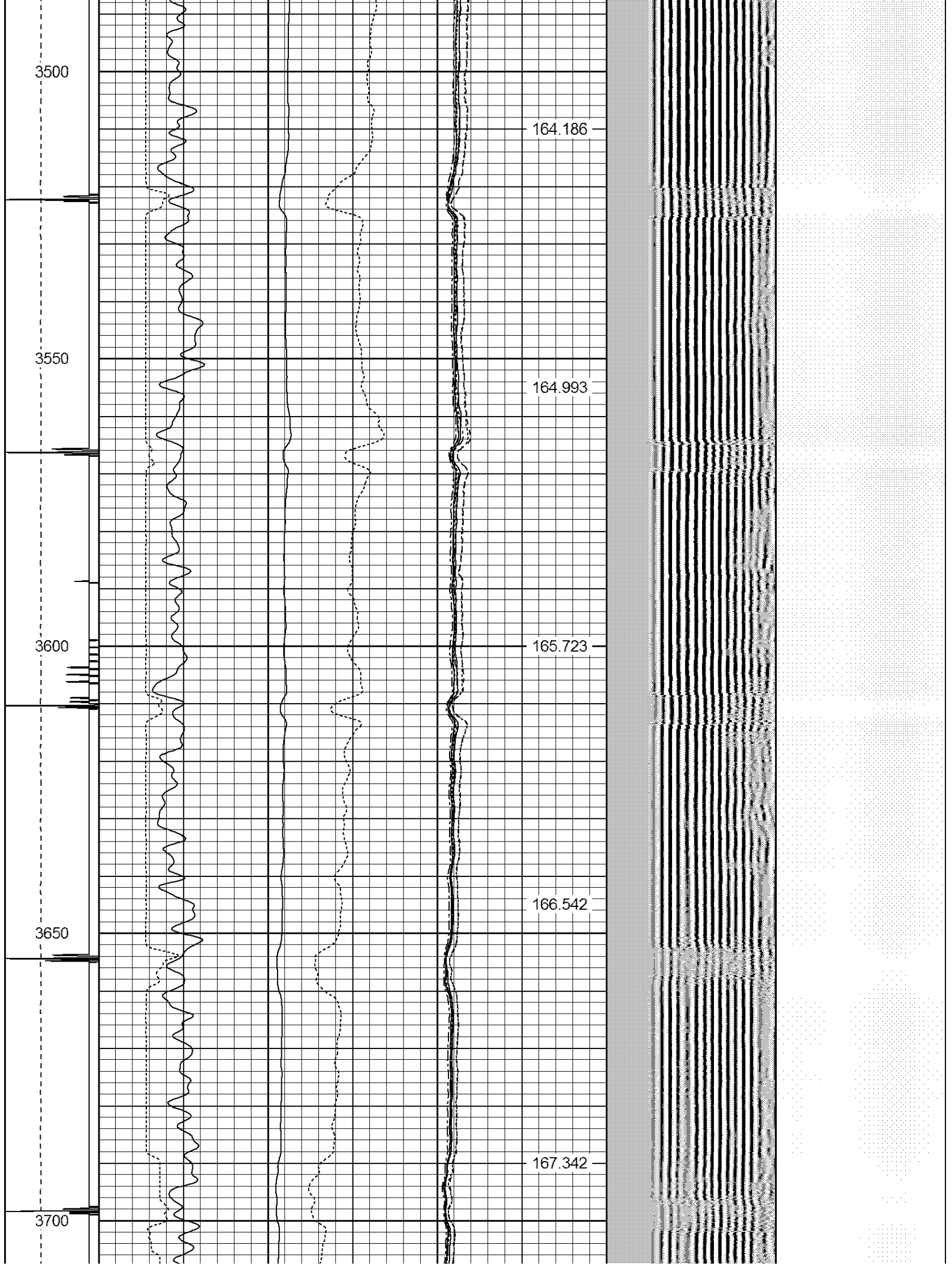


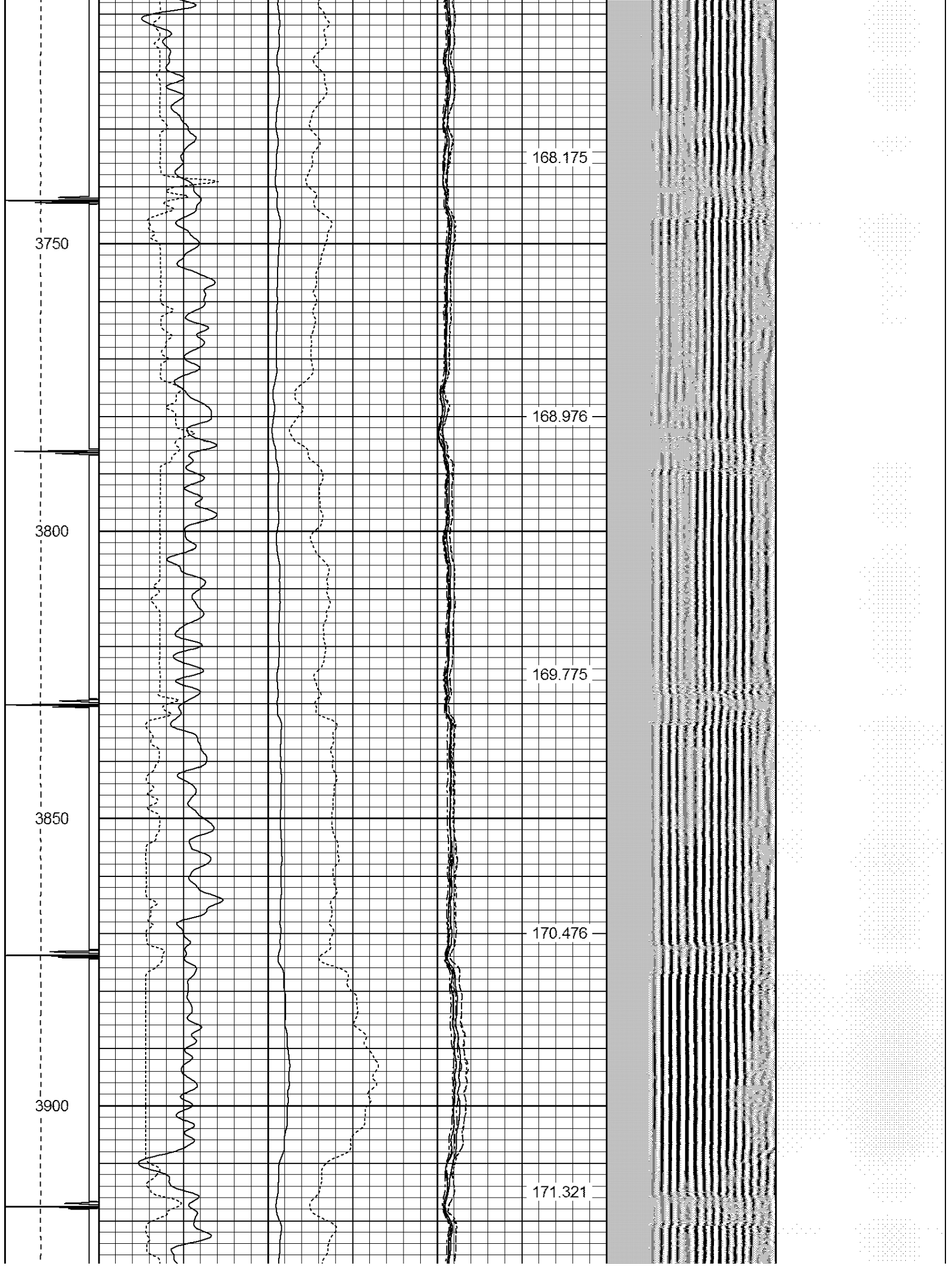


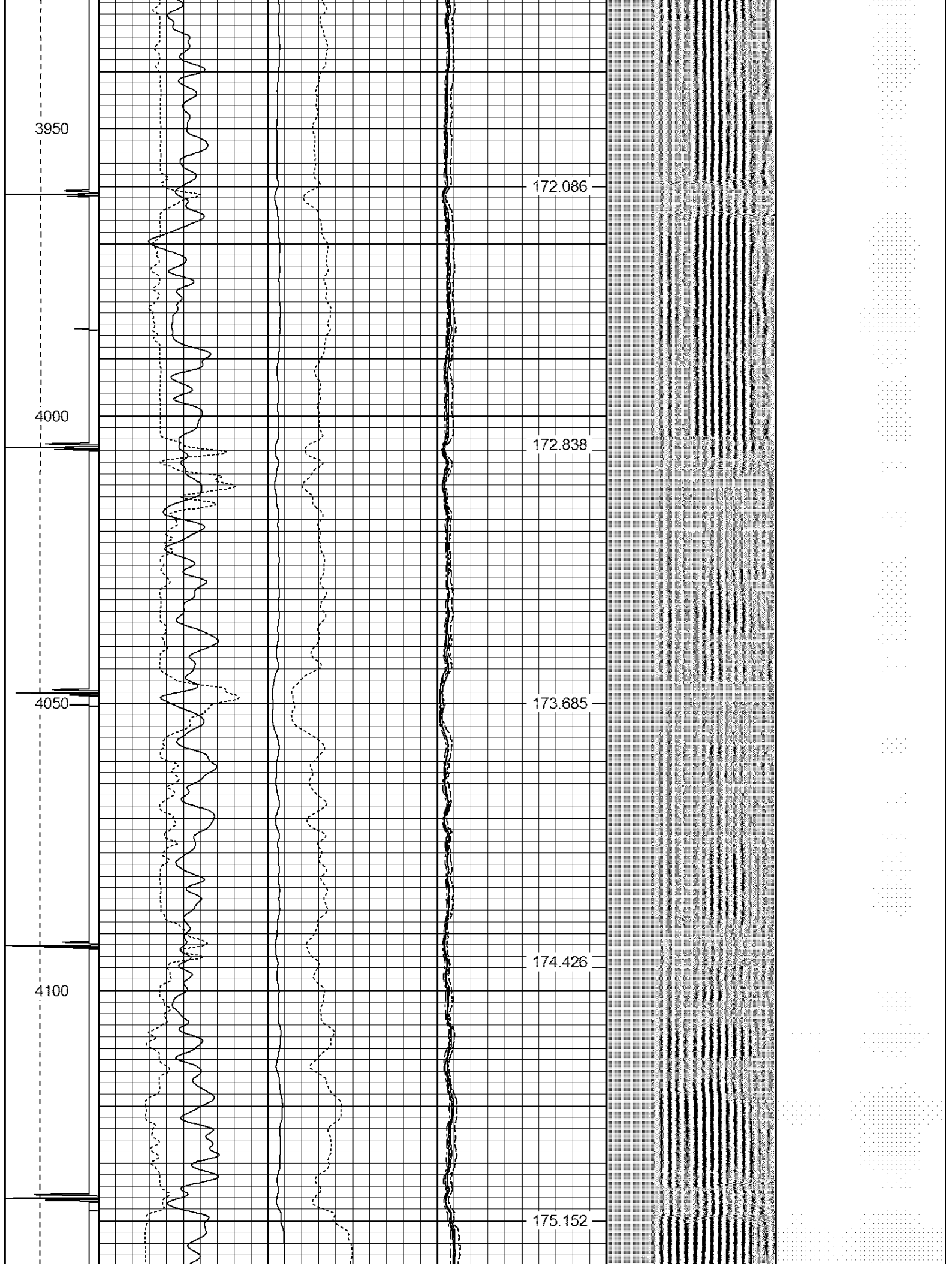


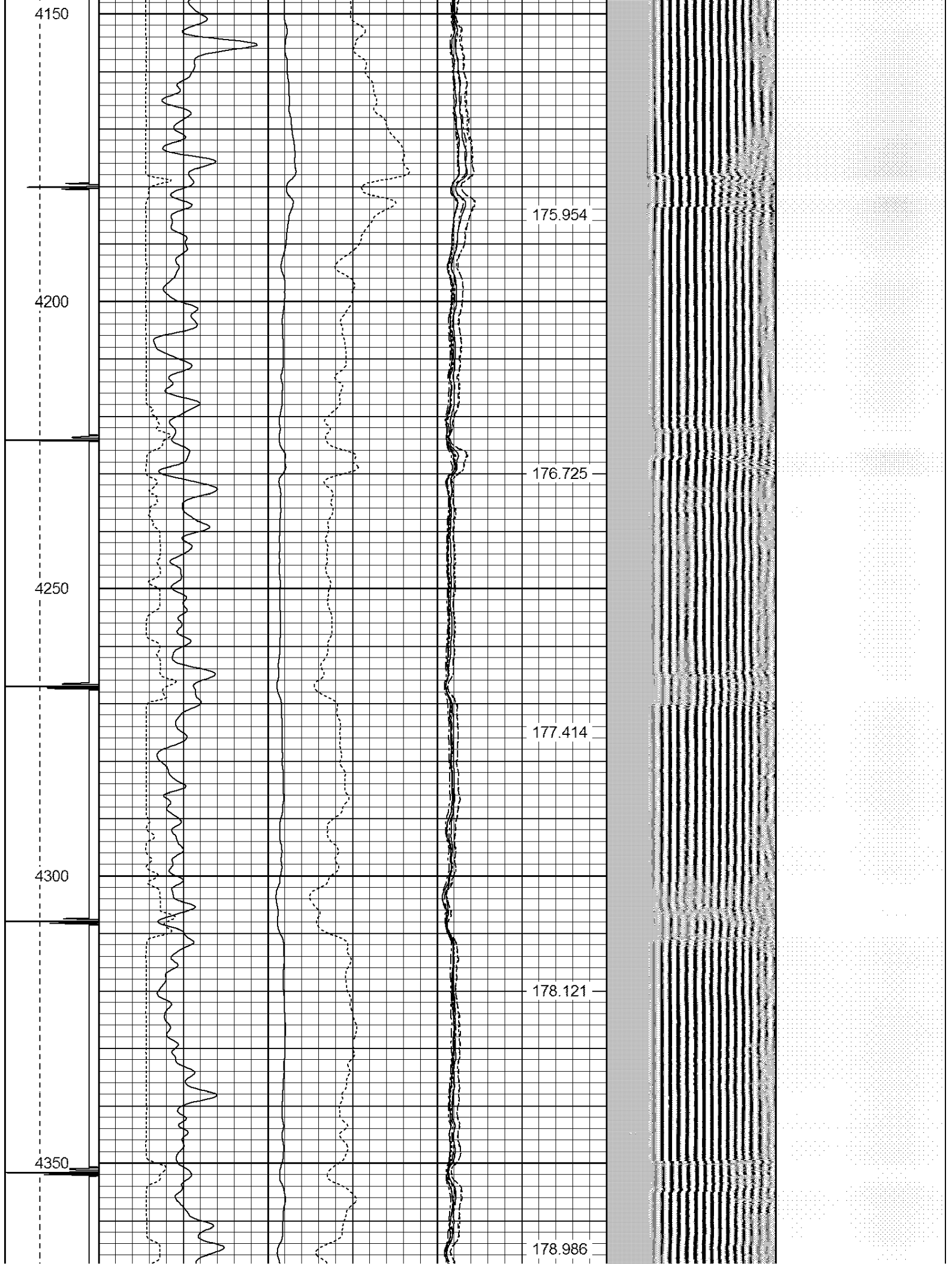


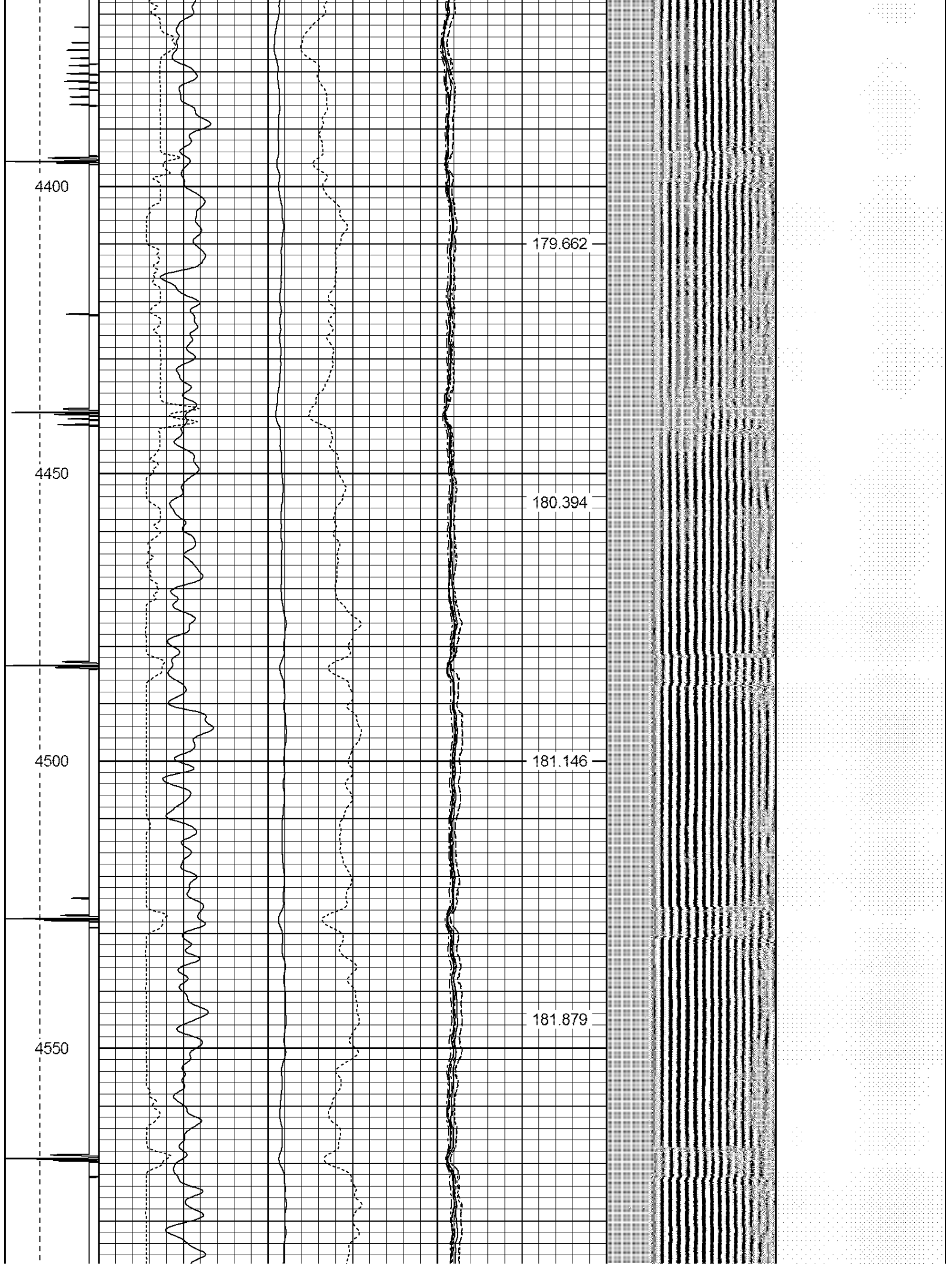


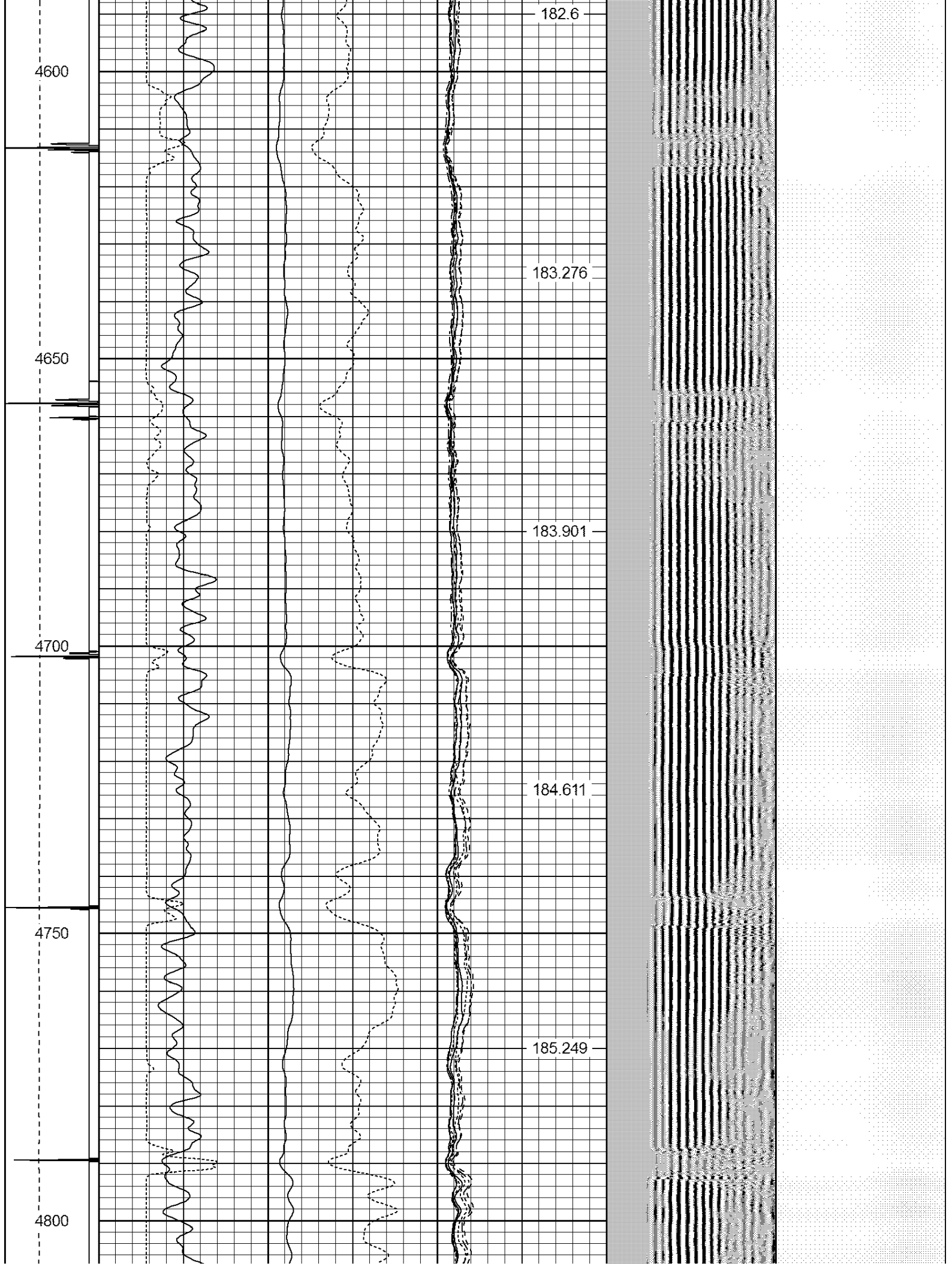


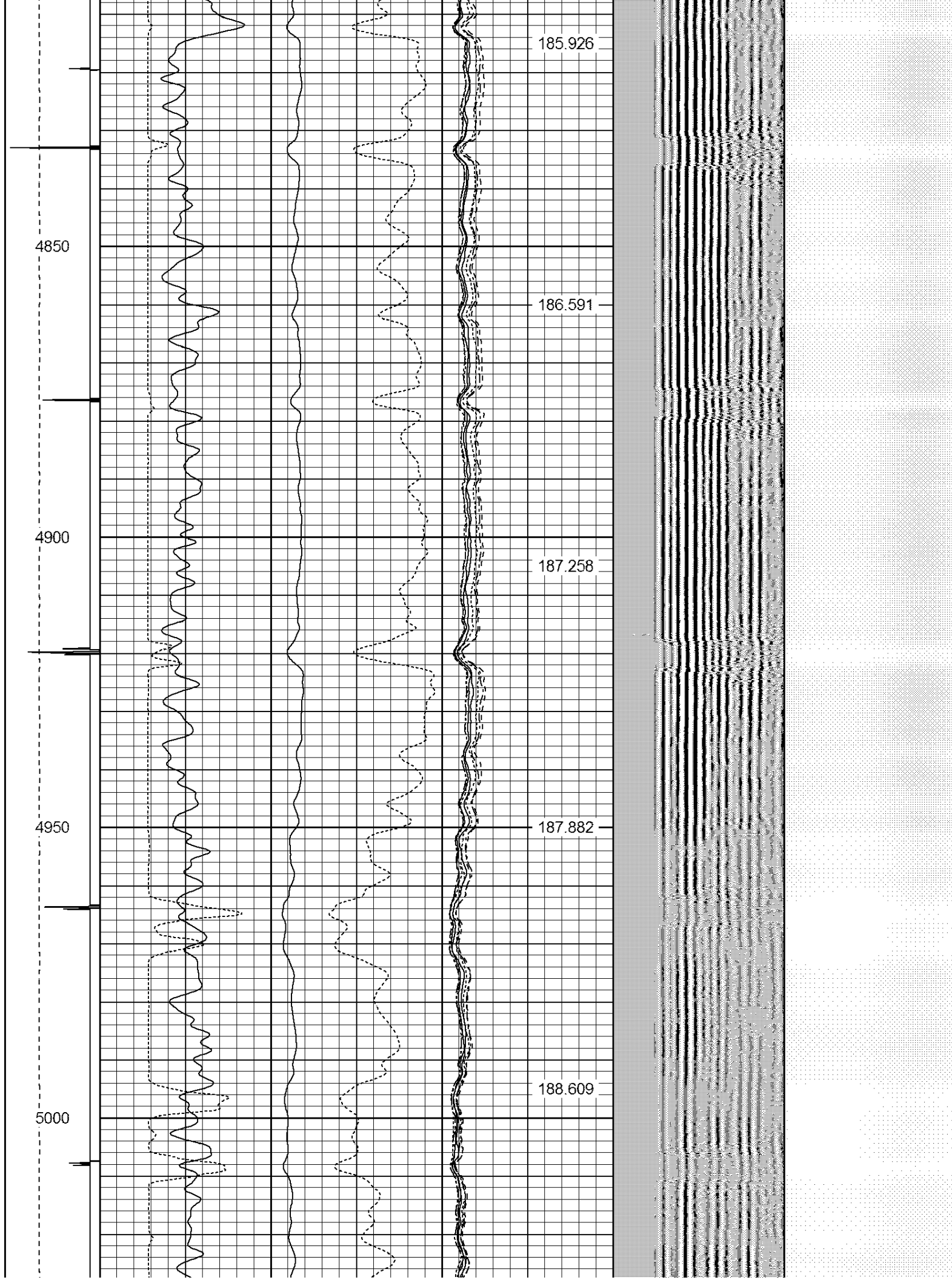












5050

5100

5150

5200

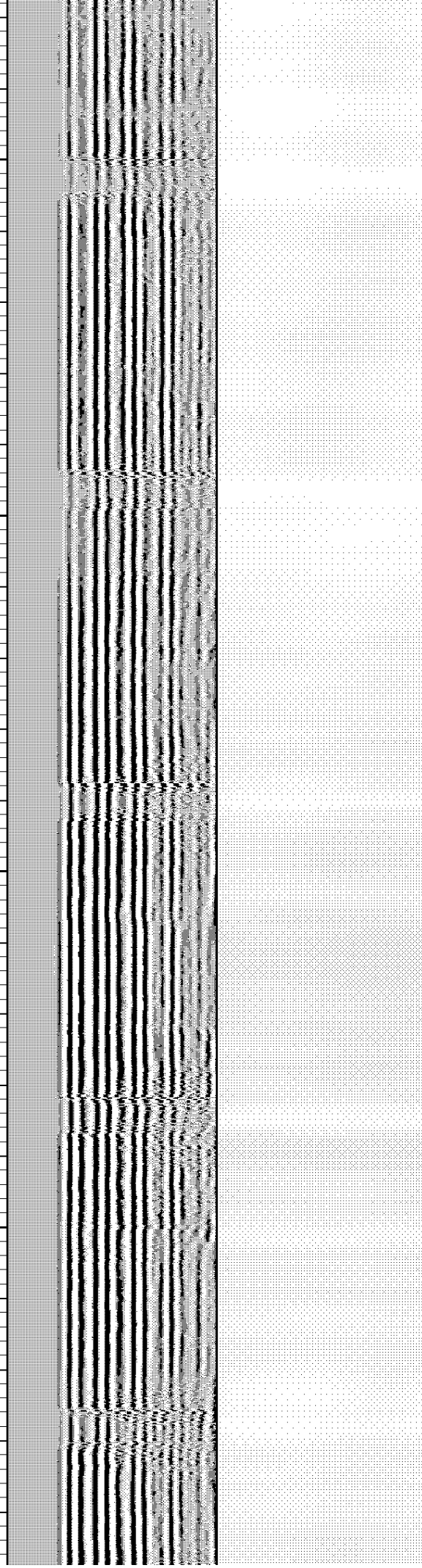
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190.142

190.696

191.172



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5300

5350

5400

5450

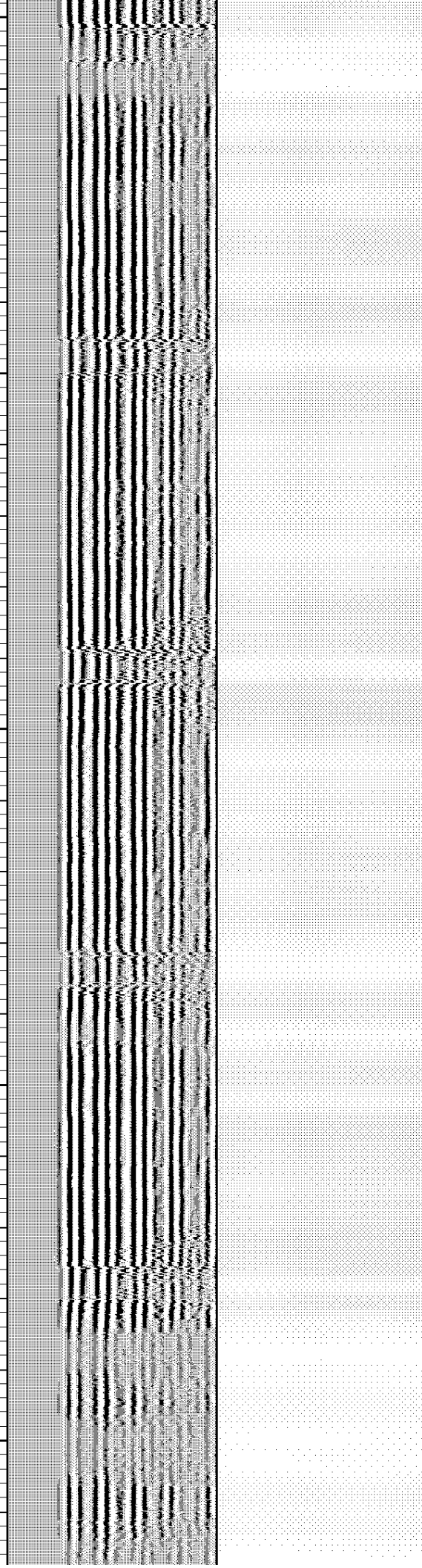
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192.211

192.392

192.606



5500

5550

5600

5650

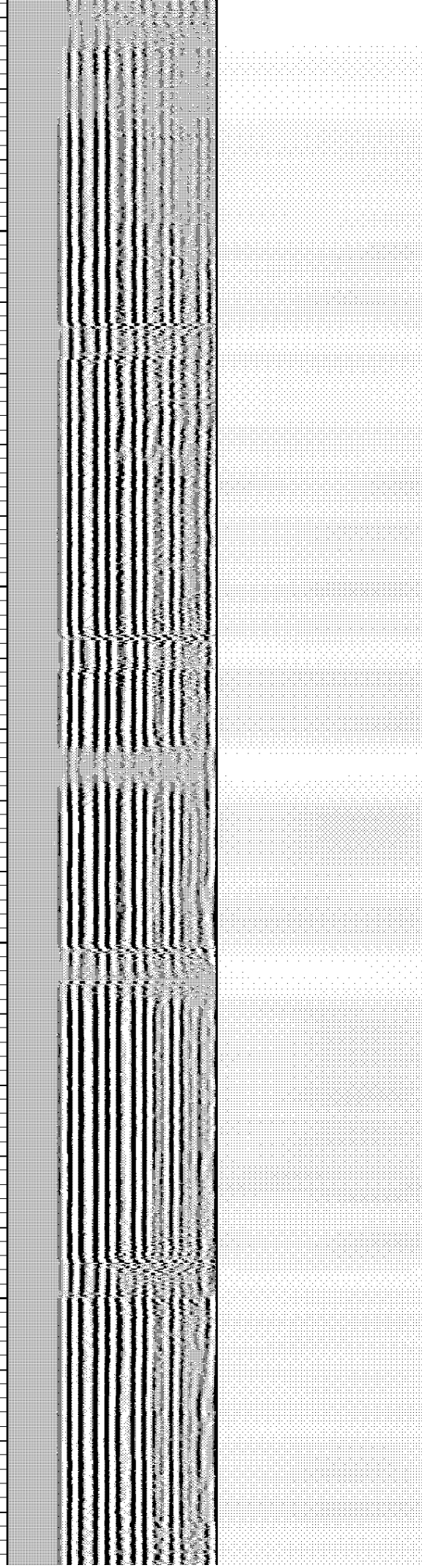
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192.662

192.677

192.545

192.119



5700

5750

5800

5850

5900

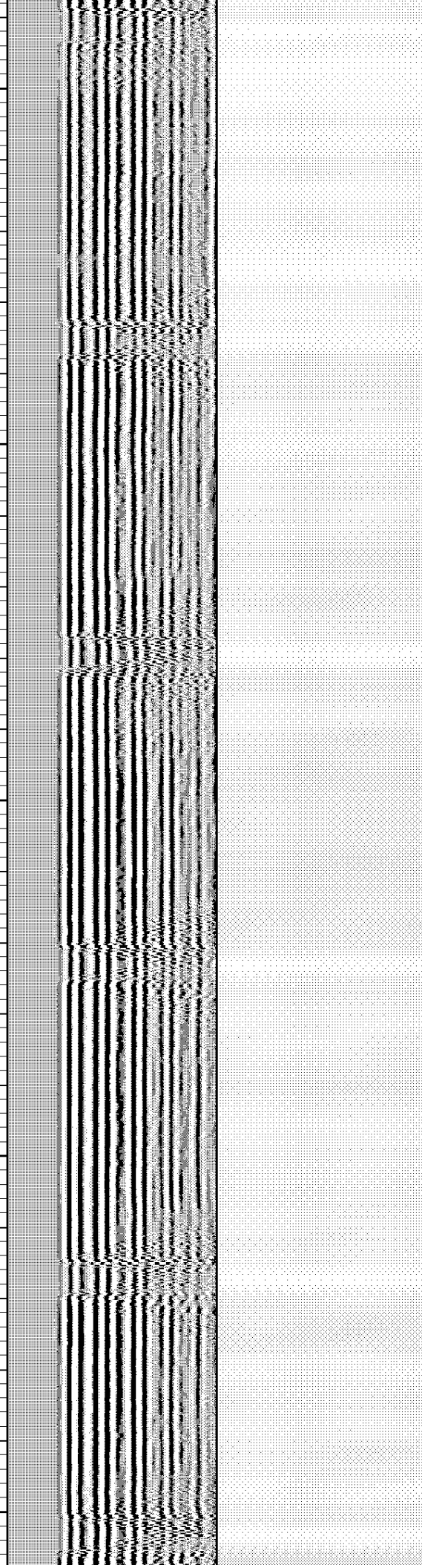
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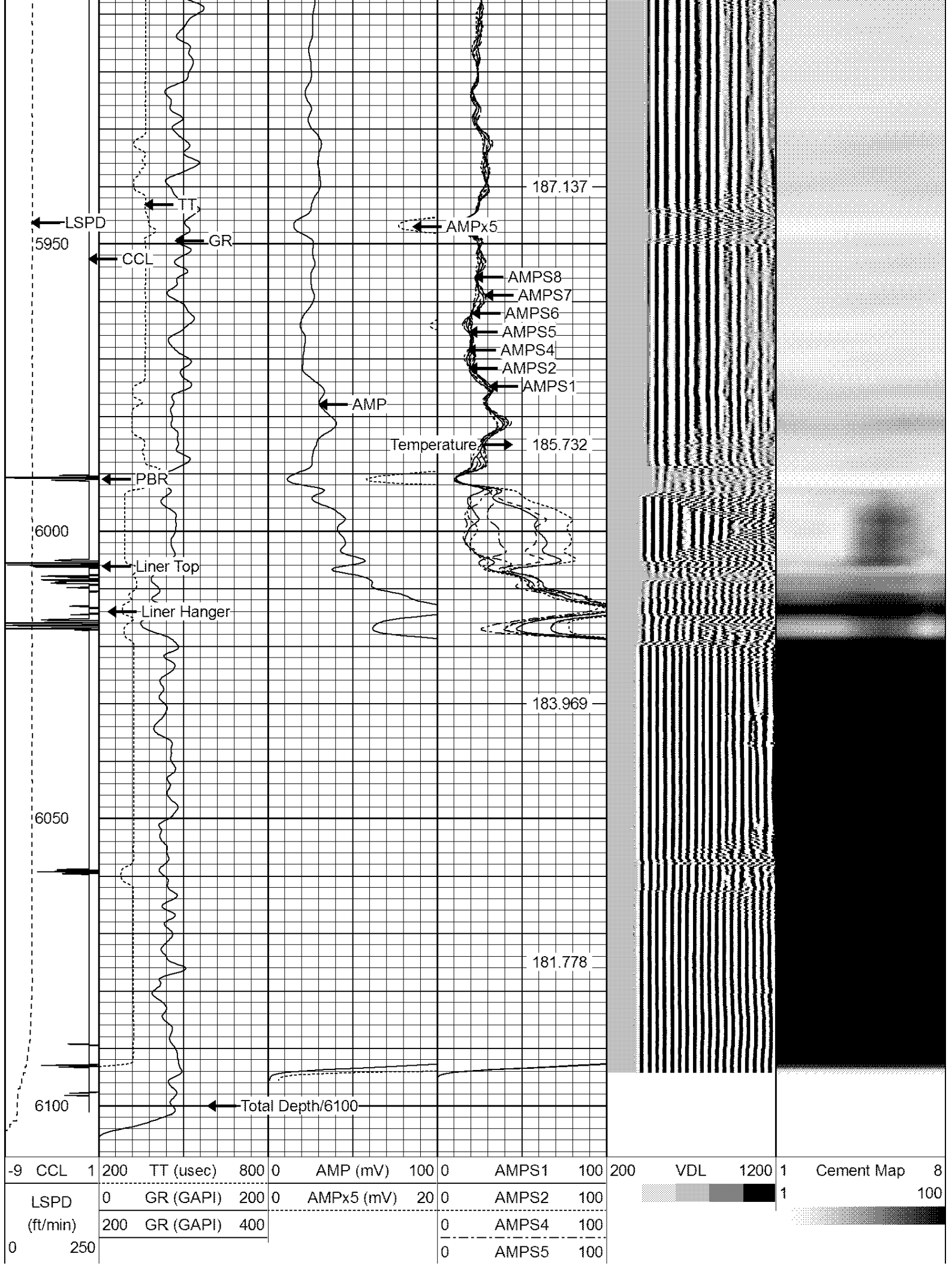
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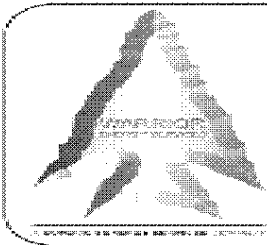




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(ft/min)	200	GR (GAPI)	400					AMPS4	100								
0	250							AMPS5	100								

0	AMPS6	100
0	AMPS7	100
0	AMPS8	100

IntTemp
(degF)



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