



Radial Cement Bond Log
Gamma-Ray
CCL

Company BILL BARRET CORPORATION
Well HELTON 05-63-27-4956CDH
Field NORTHEAST WATTENBERG
County WELD
State COLORADO

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County WELD State COLORADO

Location: SHL: 2422' FSL & 1160' FWL NW/SW
API # : 05-123-37968

Other Services

SEC 27 TWP 5N RGE 63W

Permanent Datum GL
Log Measured From KB 16' Elevation 4542'
Drilling Measured From KB
Elevation
K.B. 4558'
D.F. 4557'
G.L. 4542'

Date 2-4-14

Run Number ONE
Depth Driller 11263'
Depth Logger 6300'
Bottom Logged Interval 6300'
Top Log Interval SURF
Open Hole Size 8 3/4"
Type Fluid WATER
Density / Viscosity 1.0
Max. Recorded Temp. 197
Estimated Cement Top 1330'
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"	0'	816'				
TWO	8 3/4"	816'	7170'				
THREE	6 1/8"	7170'	11263'				
FOUR							

Casing Record Size Wgt/Ft Top Bottom
Surface String 12 1/2 36# 0 816'
Prot. String
Production String 7" 26# 0 7163'
Liner 4 1/2 11.6 6193' 11259'

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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 6209'
POLISHED BORE RECEPTICAL TOP AT 6193'

THANK YOU FOR USING WARRIOR ENERGY SERVICES!

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



Tool Joint	Length (ft)	Weight (lb)	OD (in)	Notes
HEADVOLT	16.25			
IntTemp	14.83			
WVFS3FT	11.58			
WVFCAL	11.58			
WVFS1	11.58			
WVFS2	11.58			
WVFS3	11.58			
WVFS4	11.58			
WVFS5	11.58			
WVFS6	11.58			
WVFS7	11.58			
WVFS8	11.58			
WVFS5FT	10.58			
CNLSC	6.00			
CNSSC	5.17			
CCL	3.64			
GR	0.90			
PTS275	2.83	2.75		
RBT-Probe (Base)	8.92	2.75	90.00	Probe Radii Bond Tool with Digital Telemetry
CNT-Probe_B (275)	3.00	2.75	40.00	6 bow centralizer
GR-Probe (275)	4.33	2.75	30.00	Probe 2.75"

Dataset: helton 05-63-27-4956cdh.db: field/well/run1/pass5

Total Length: 19.08 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			
			200	GR (GAPI)	400	0	AMPS4	100										
0	250							0	AMPS5	100								
-----									0	AMPS6	100							
									0	AMPS7	100							
									0	AMPS8	100							
										IntTemp (degF)								



350

400

450

500

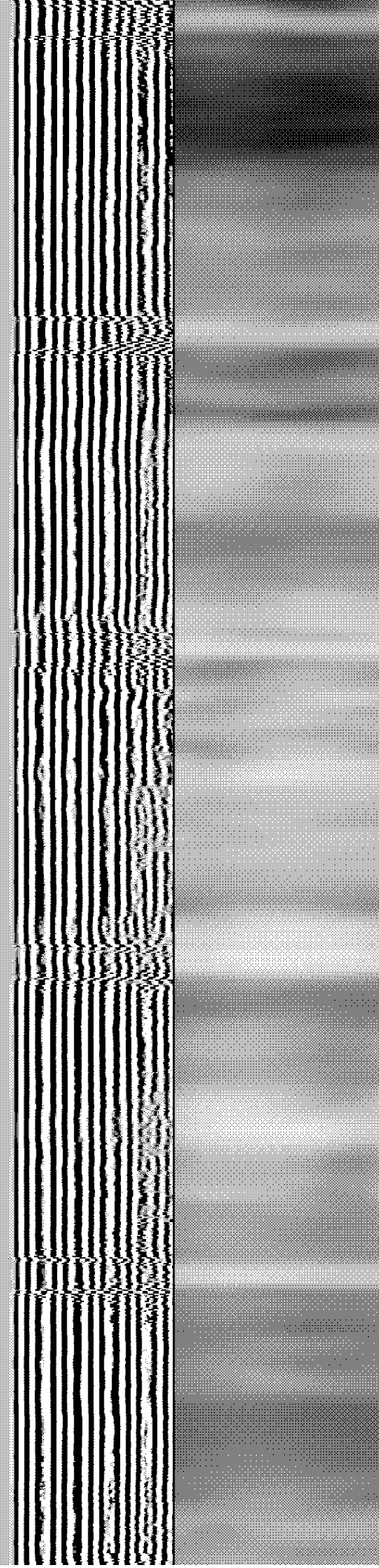
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95.9124

96.7637

97.6

98.5585



550

600

650

700

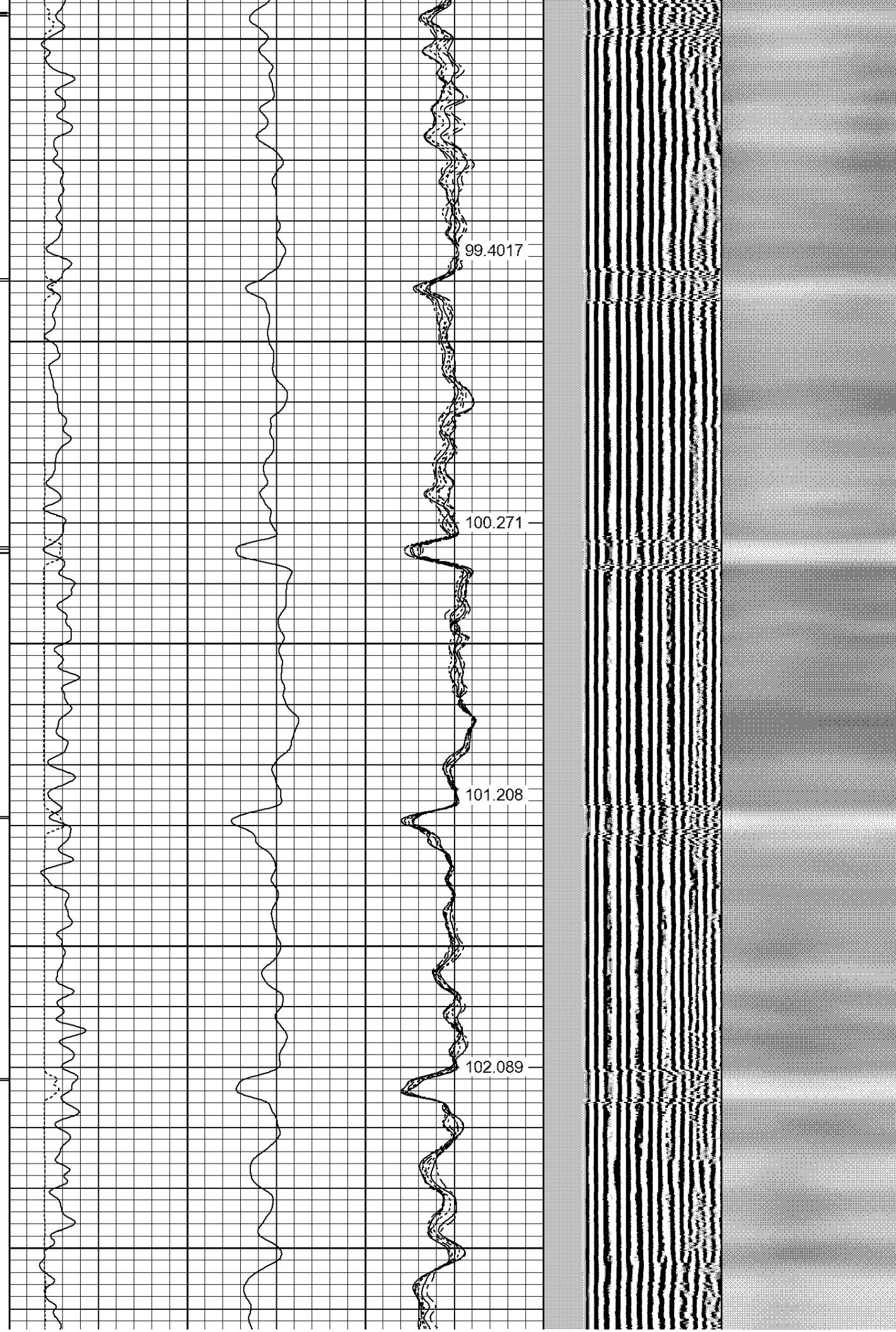
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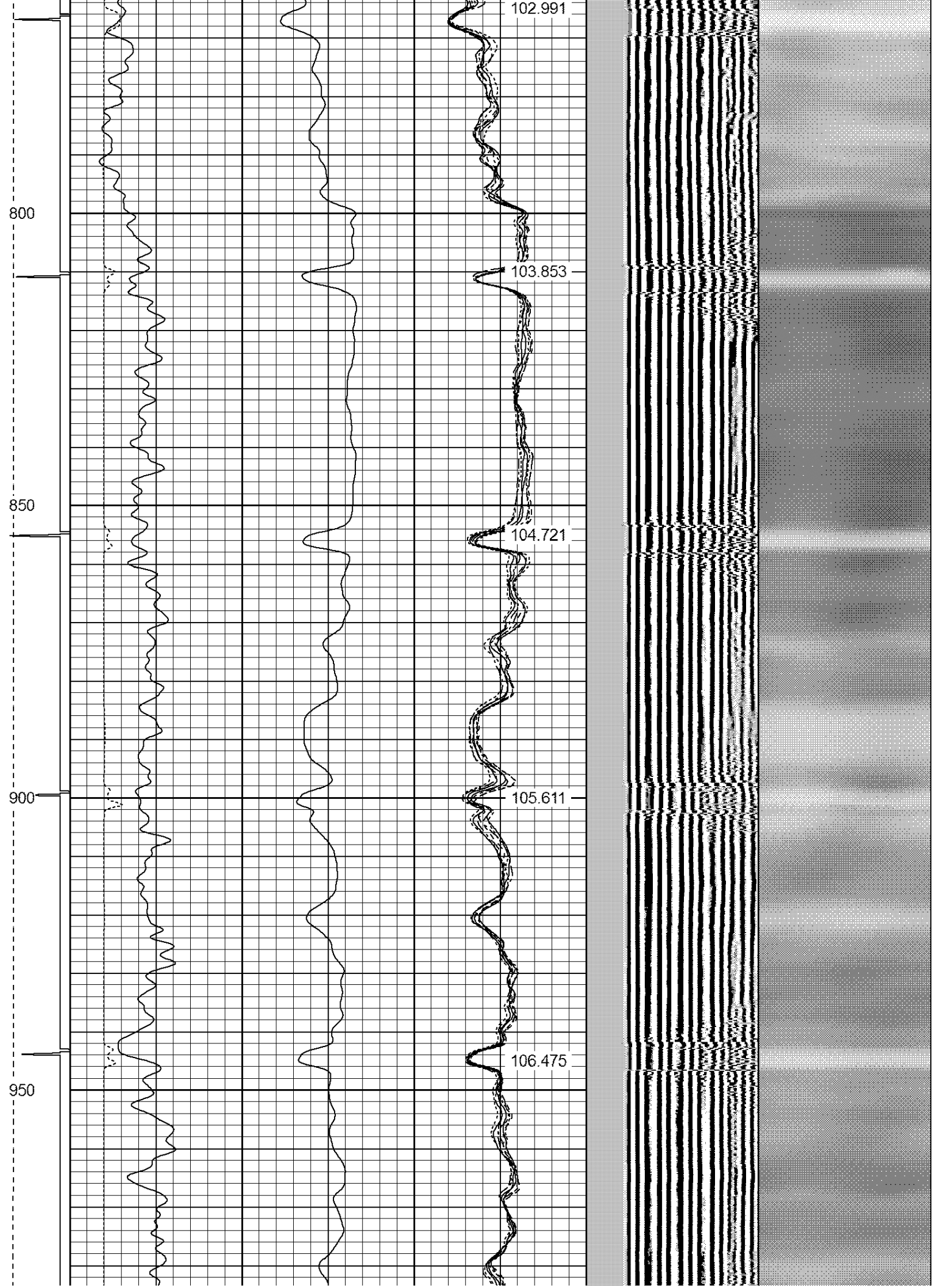
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100.271

101.208

102.089





1000

1050

1100

1150

1200

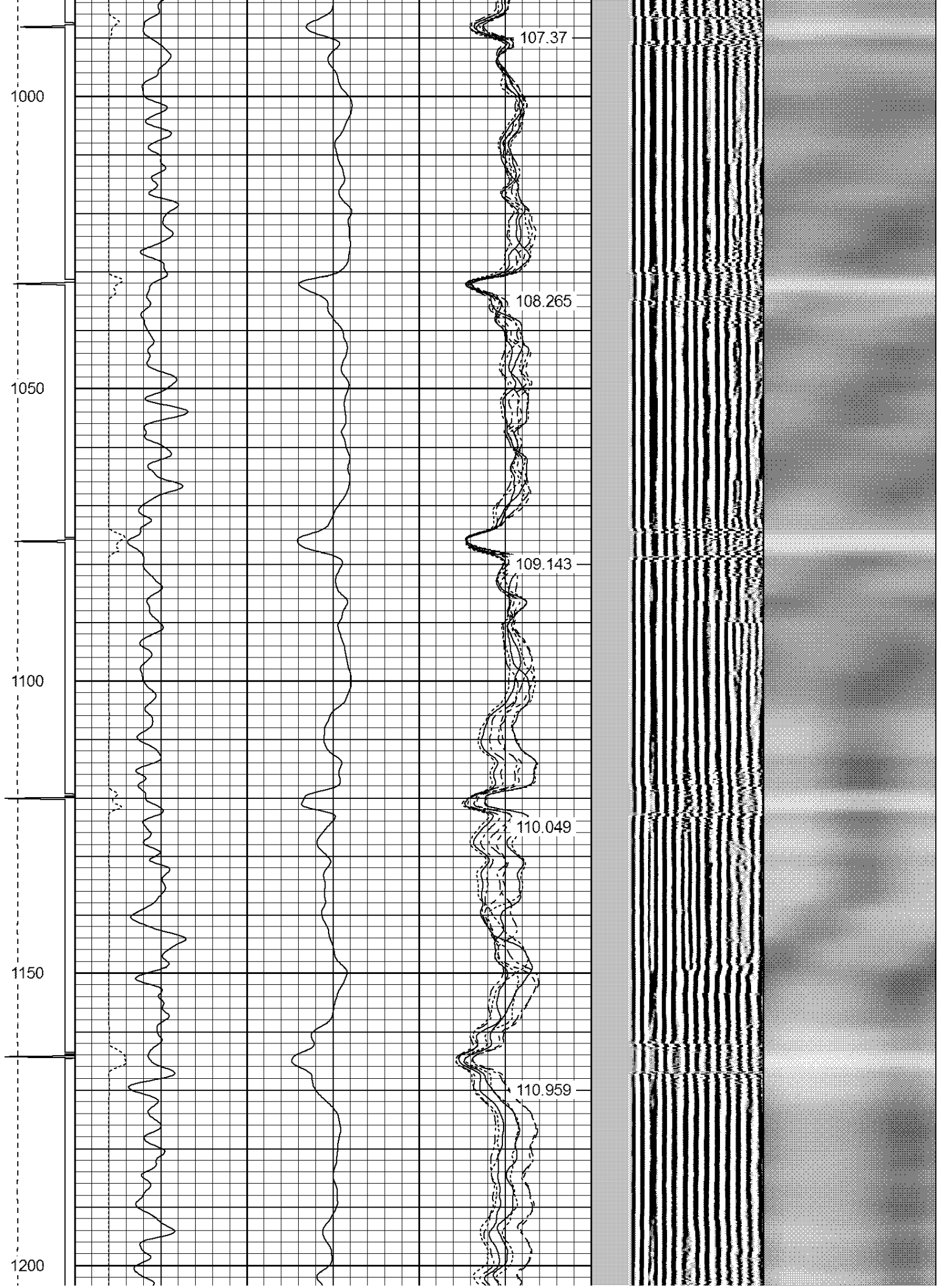
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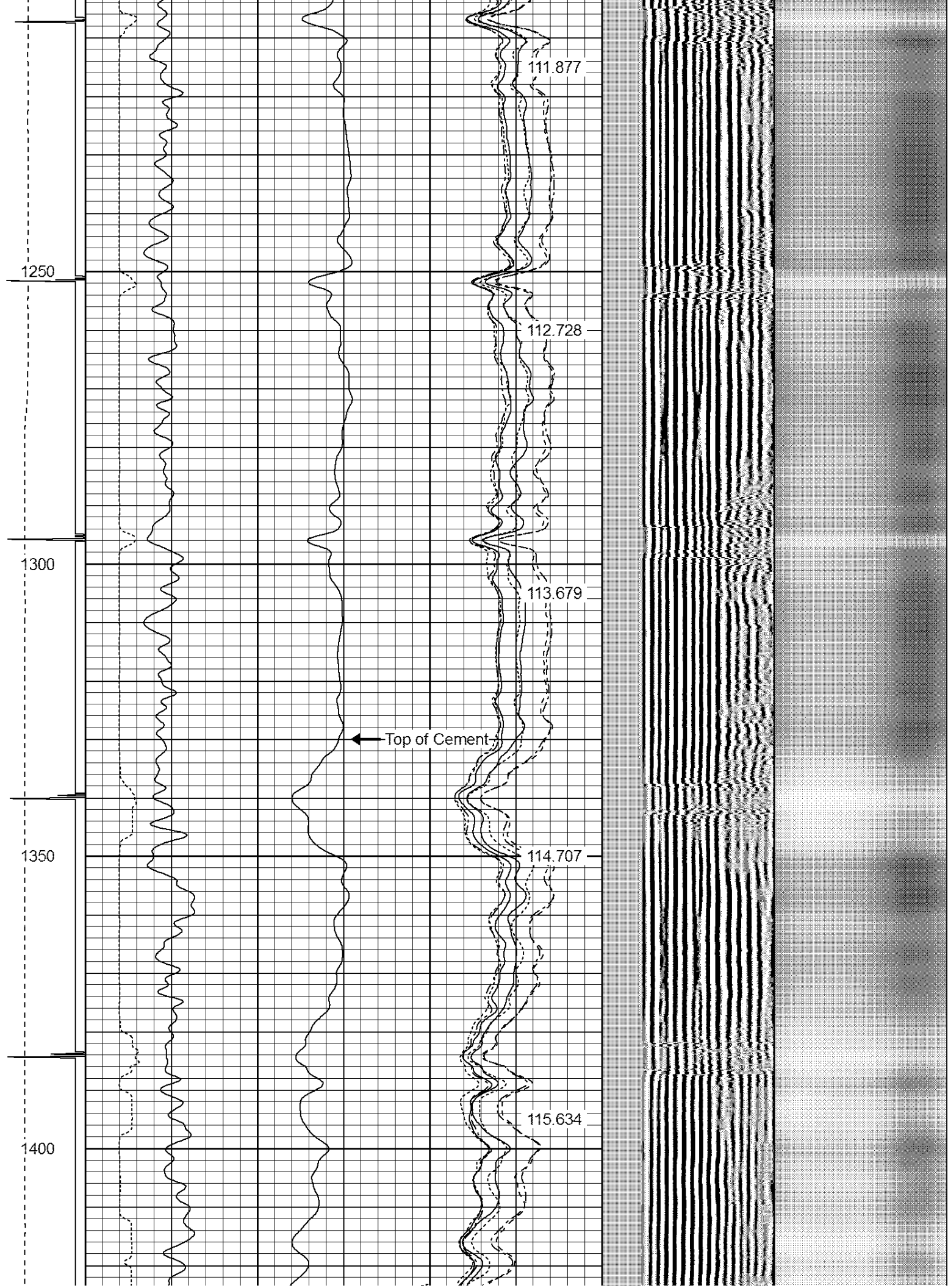
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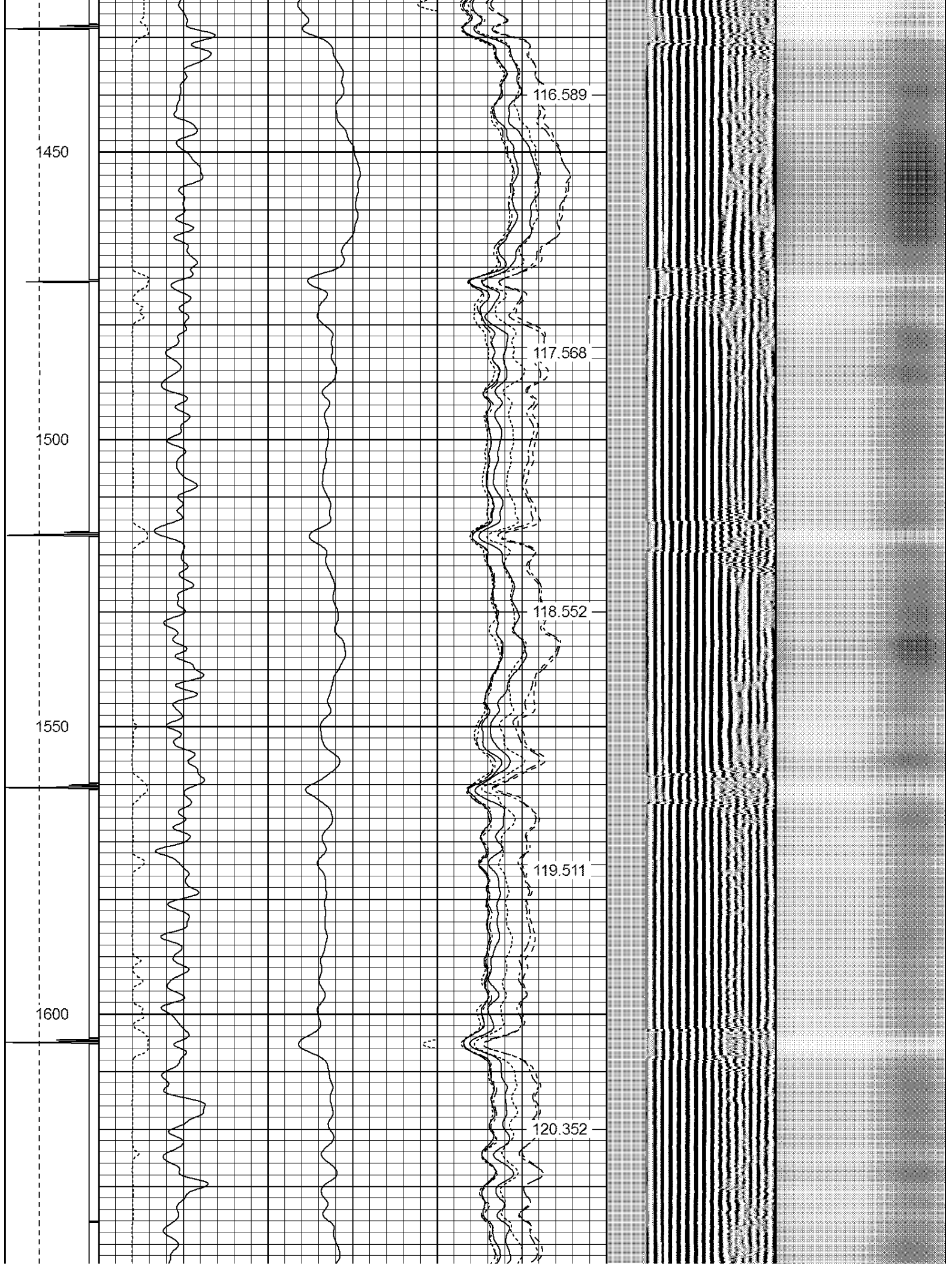
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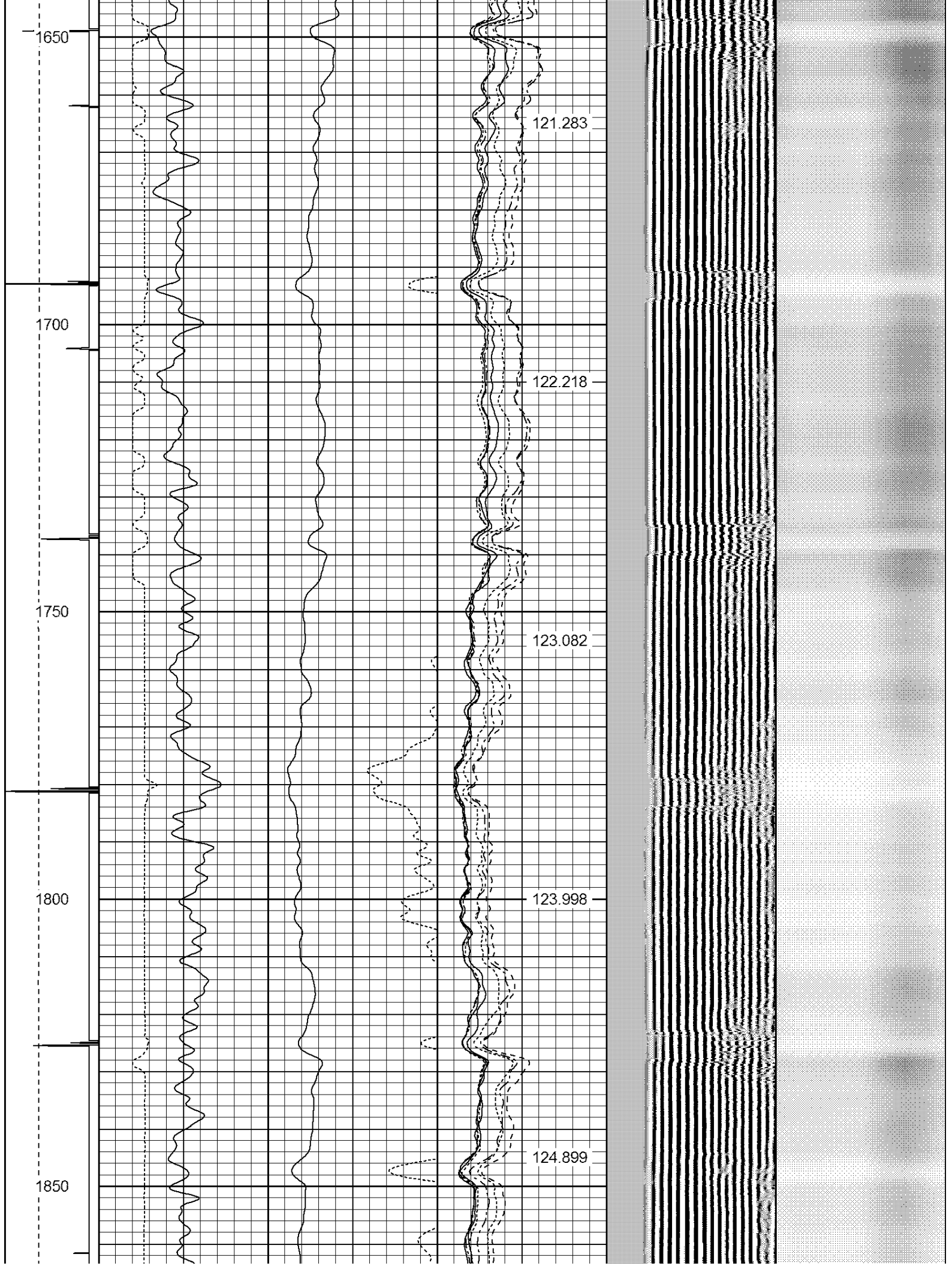
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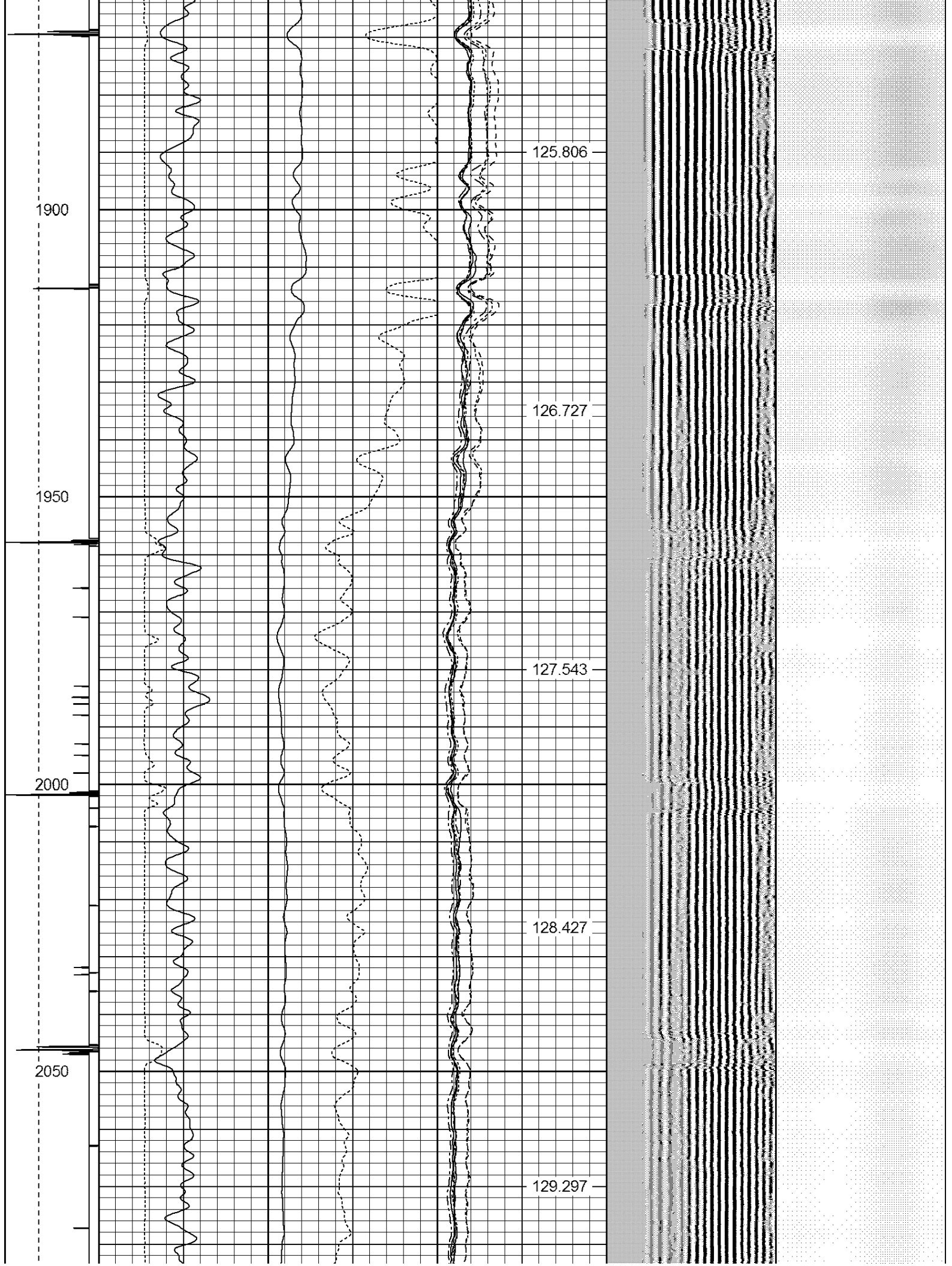
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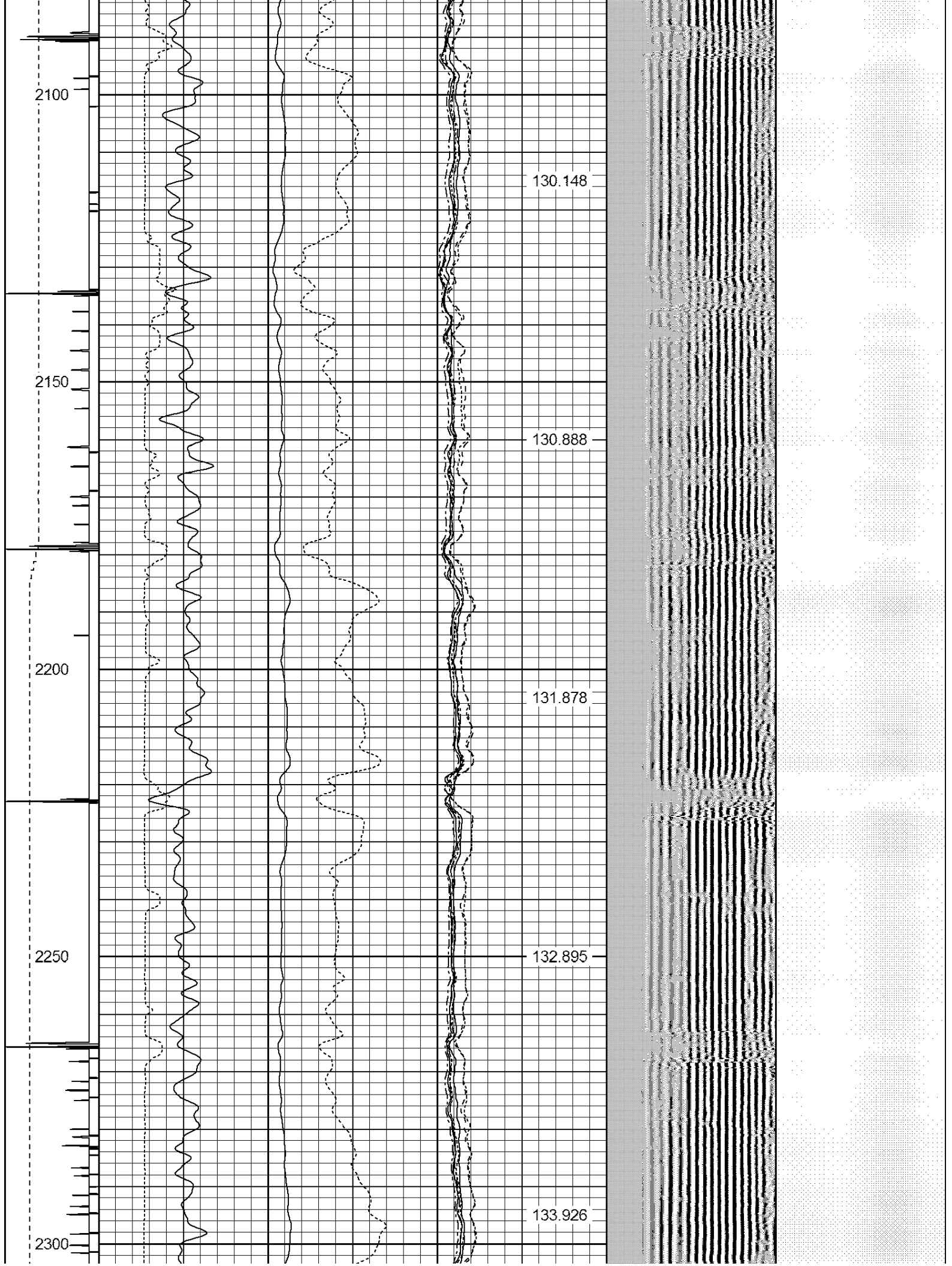


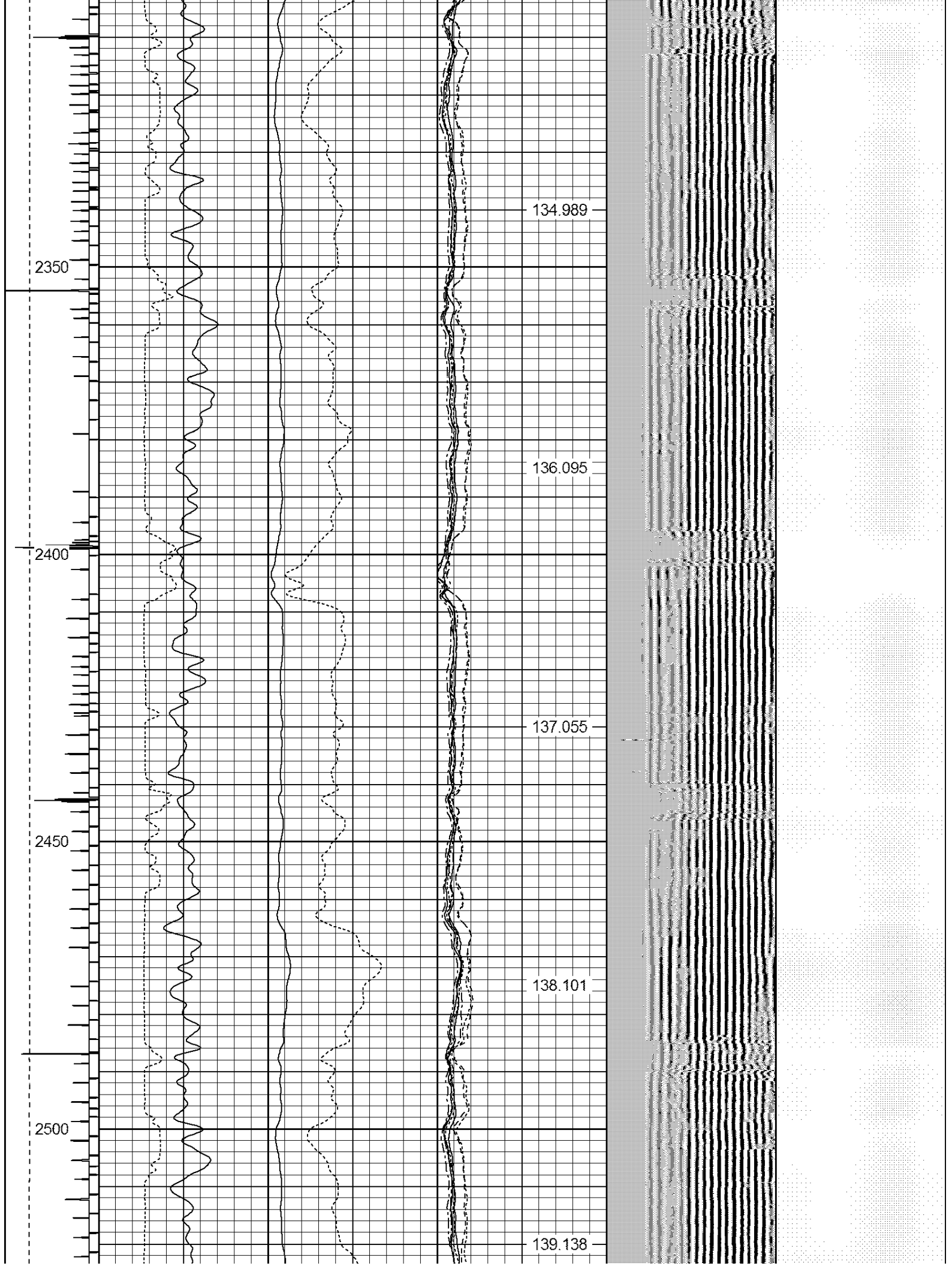


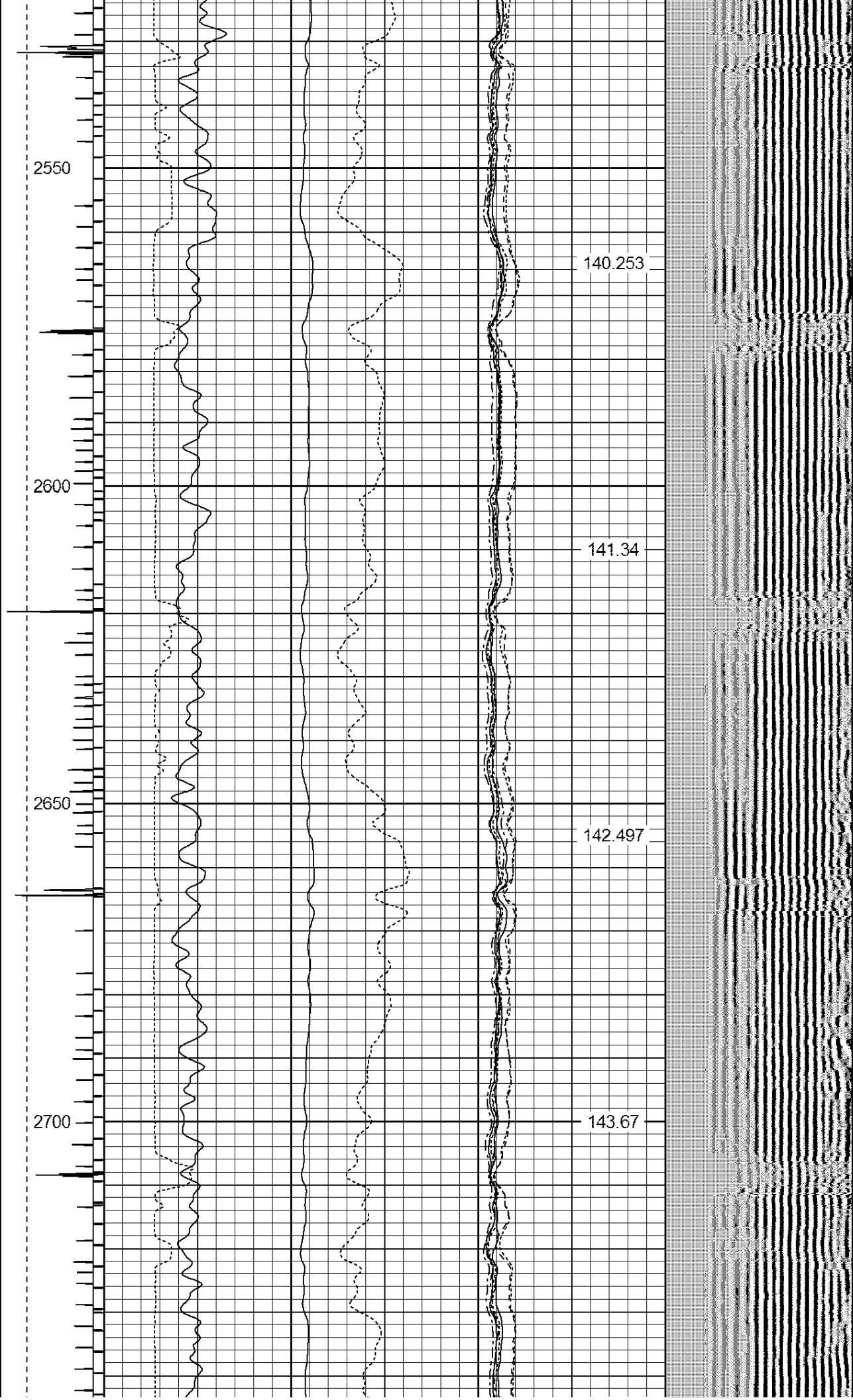


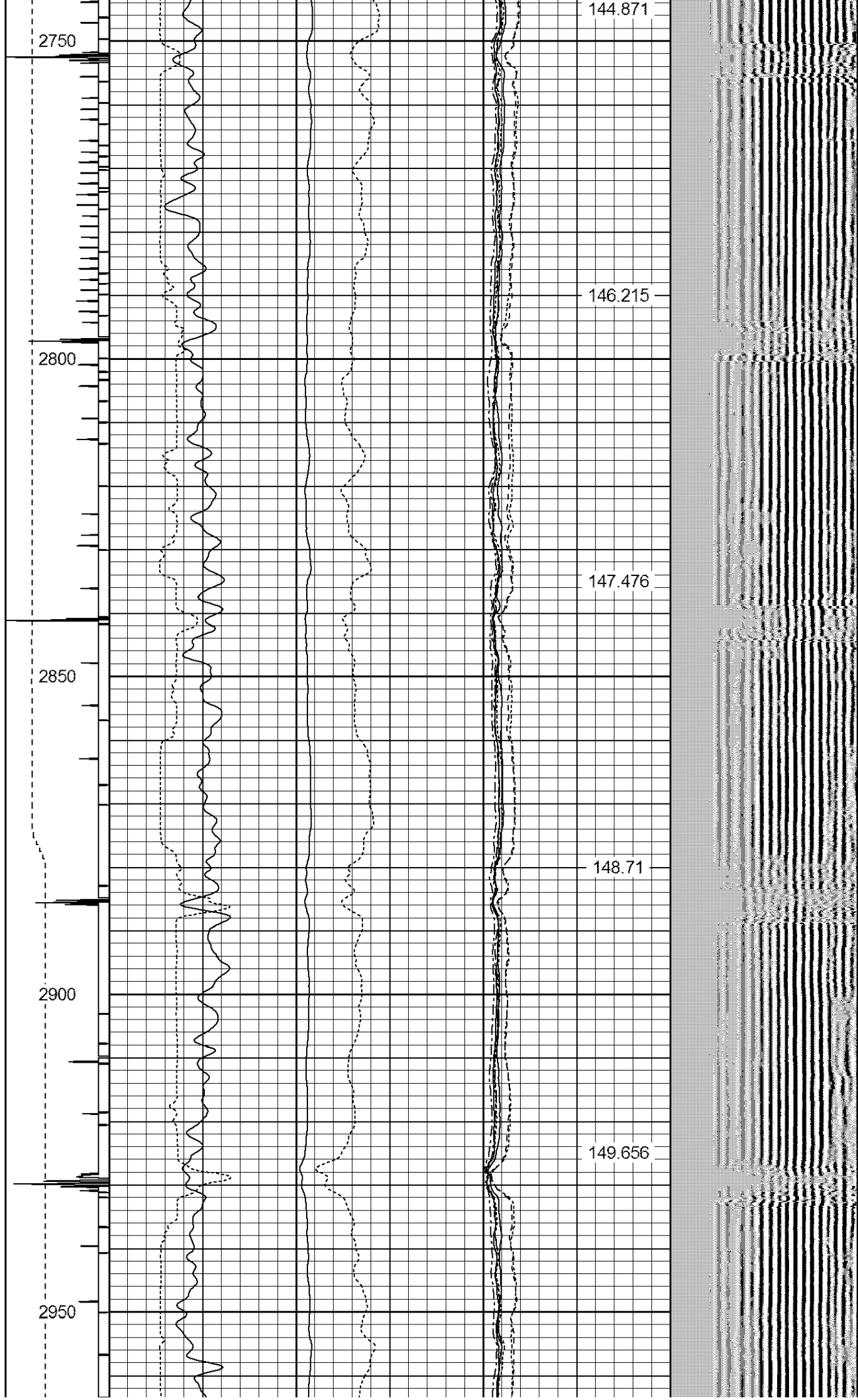


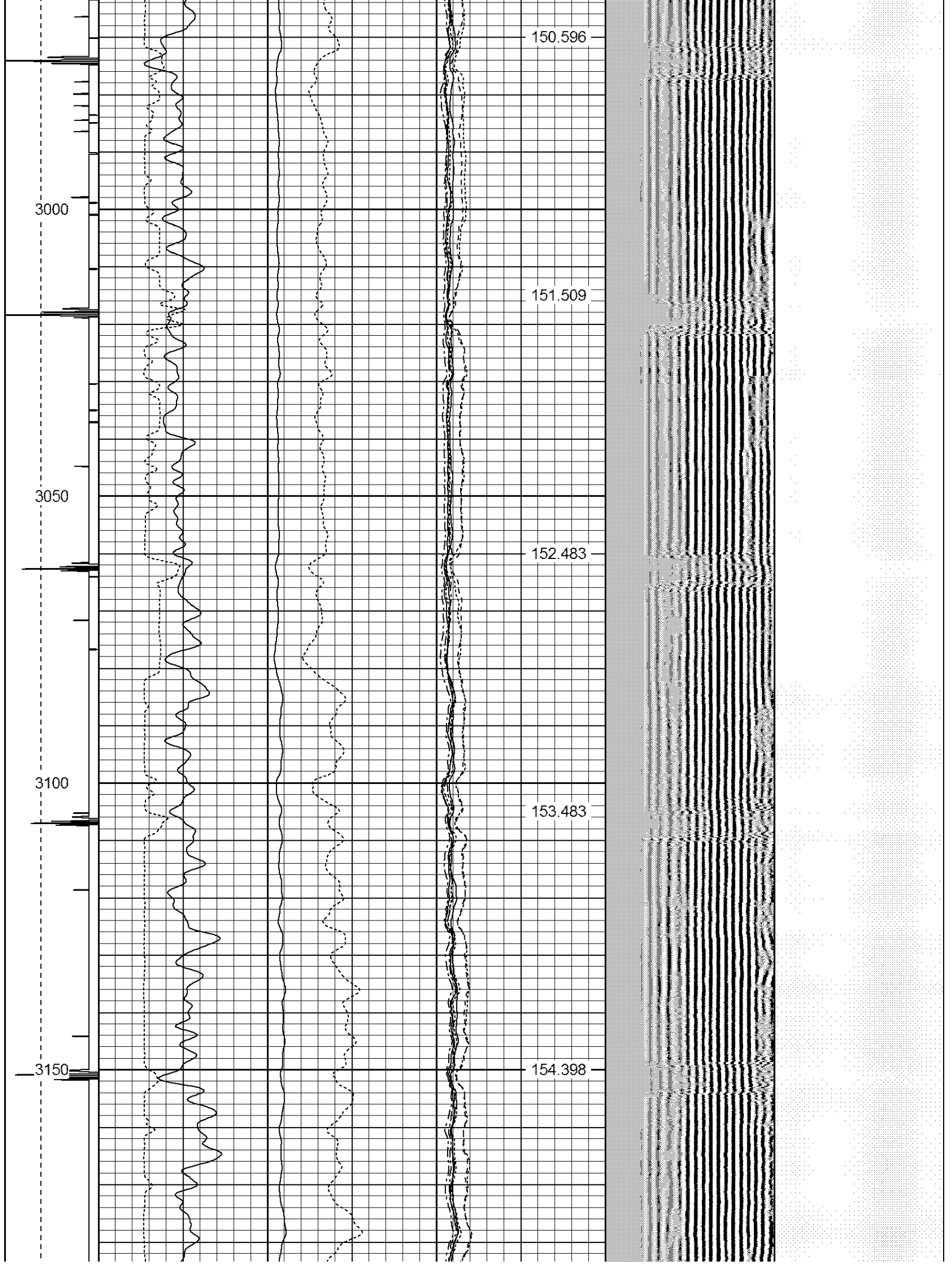


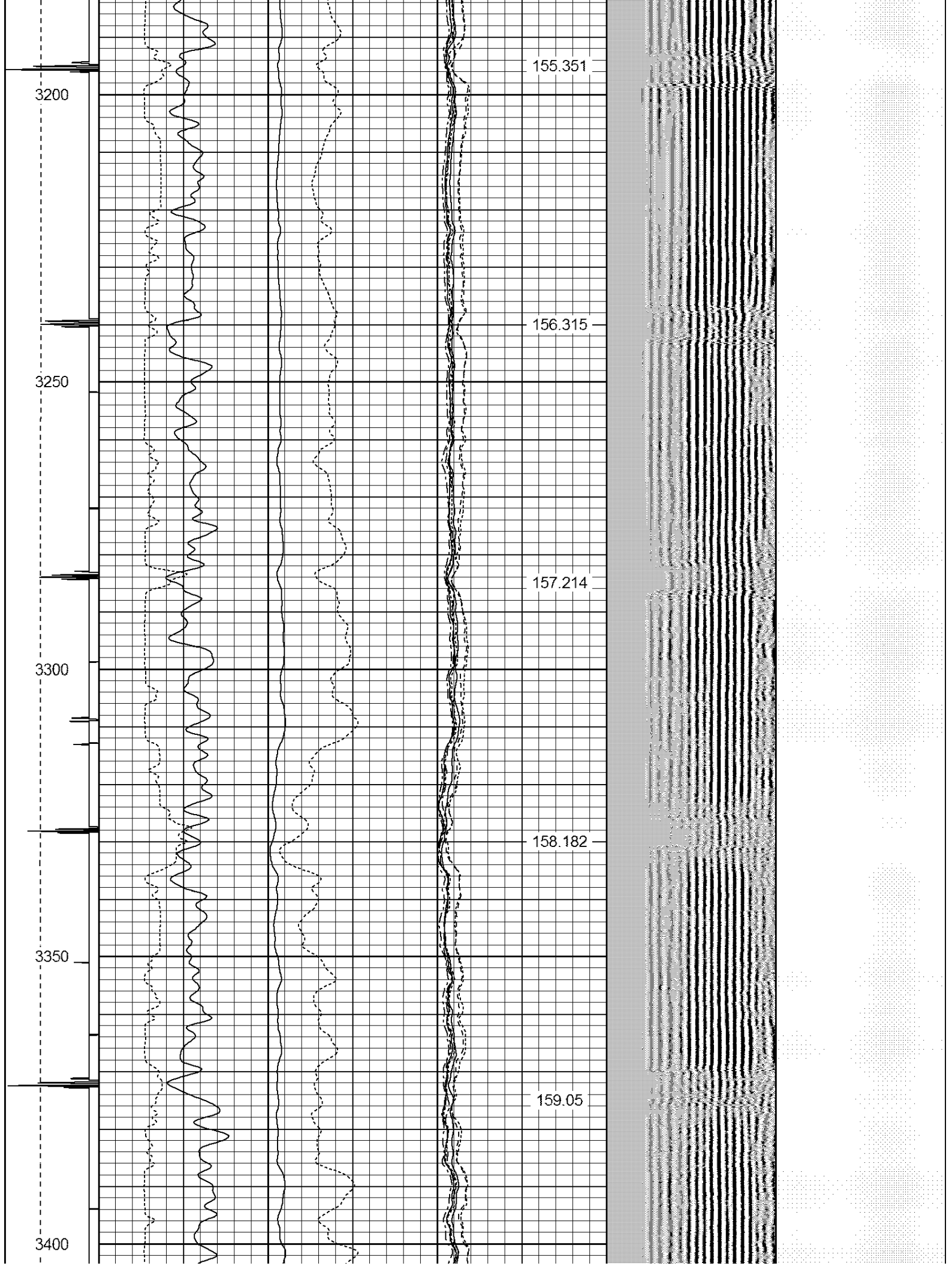


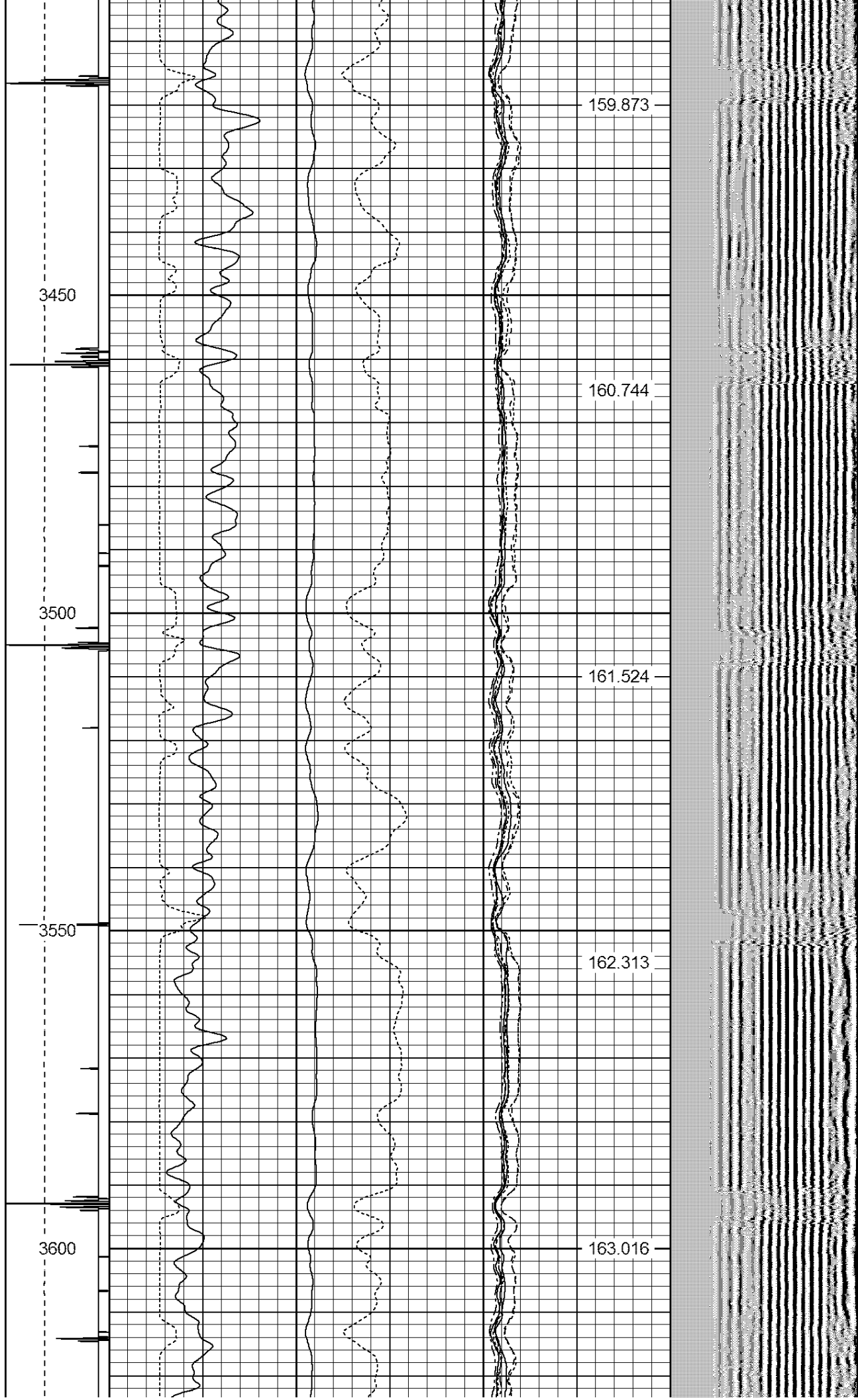


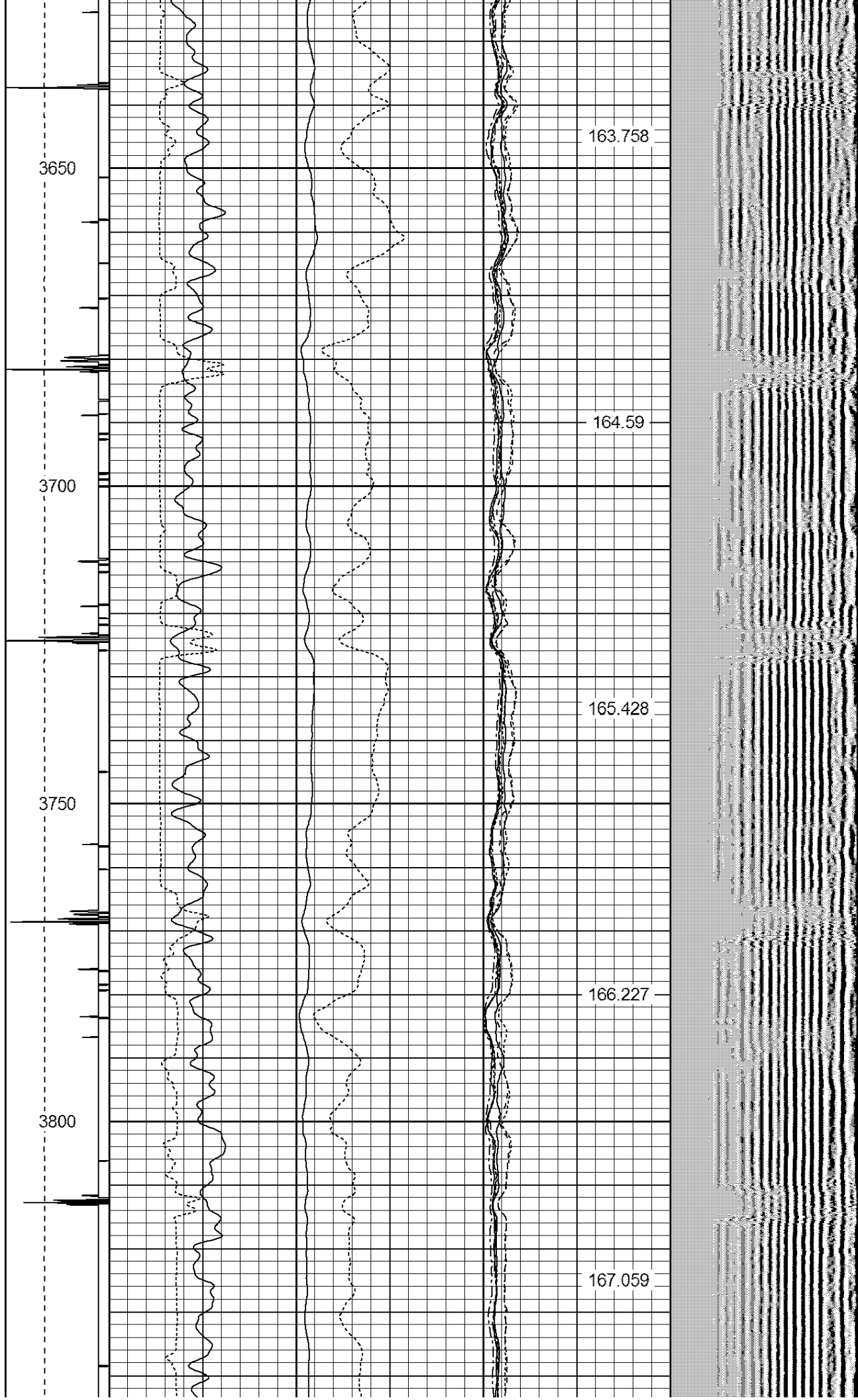


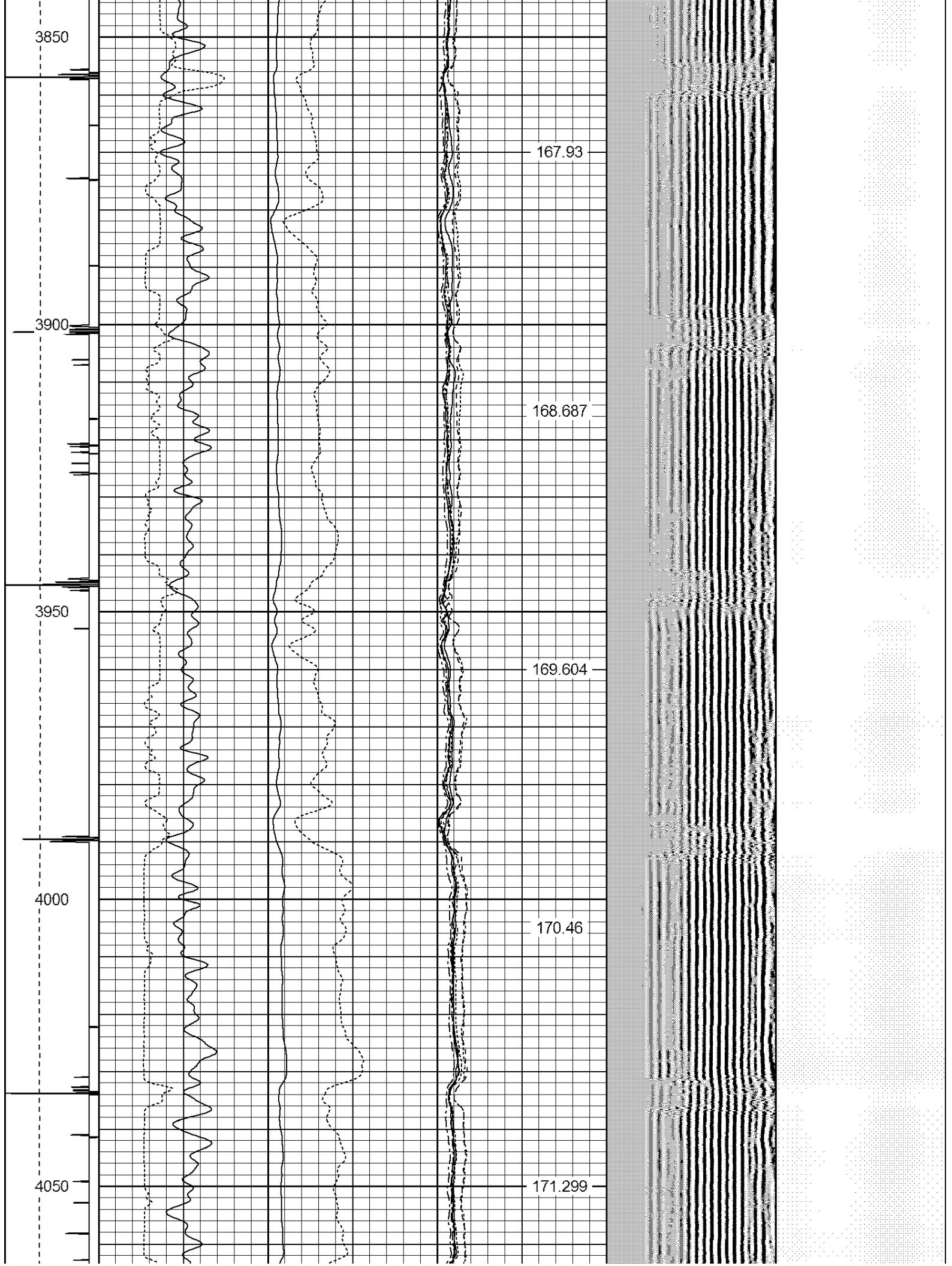


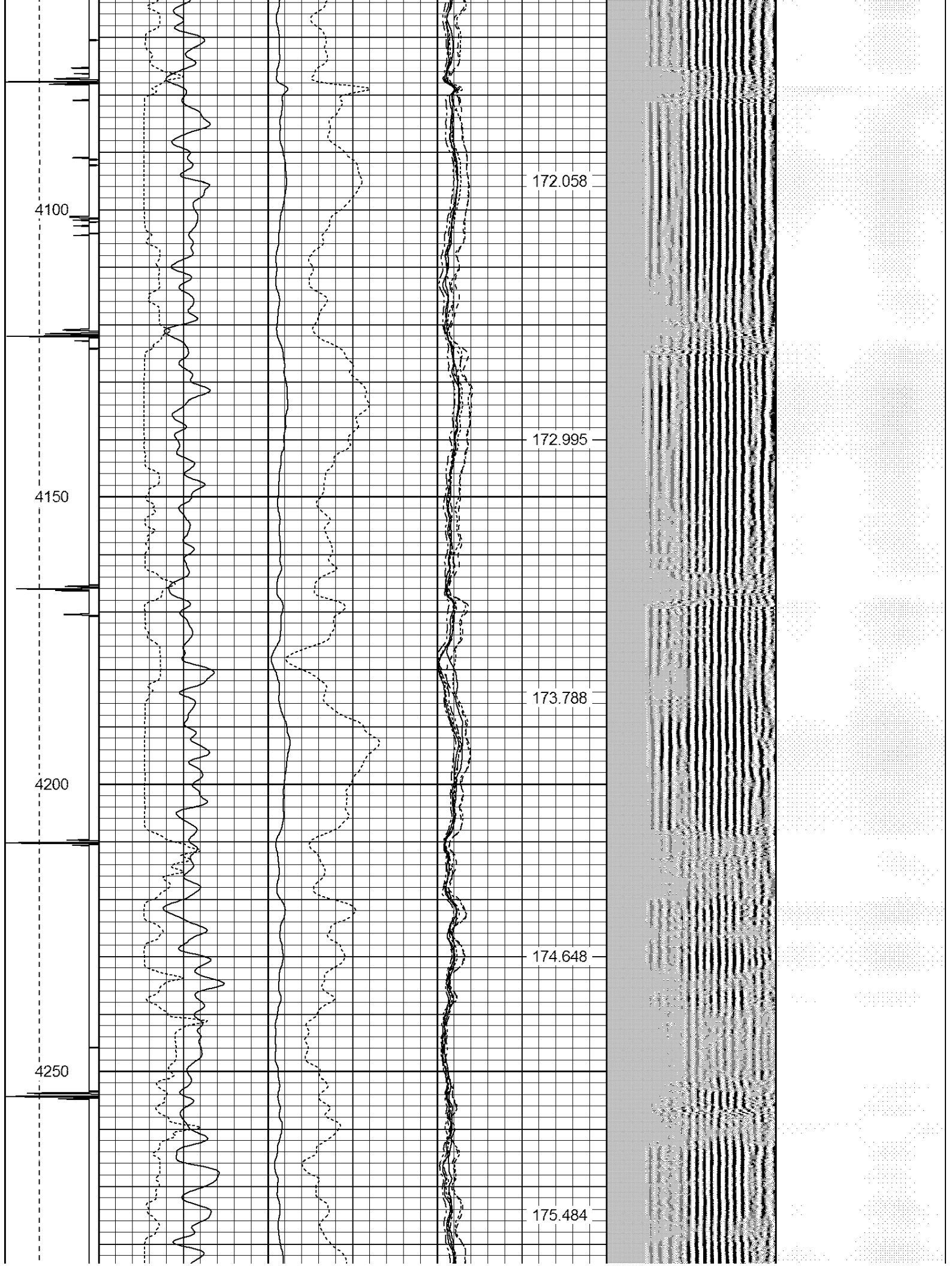


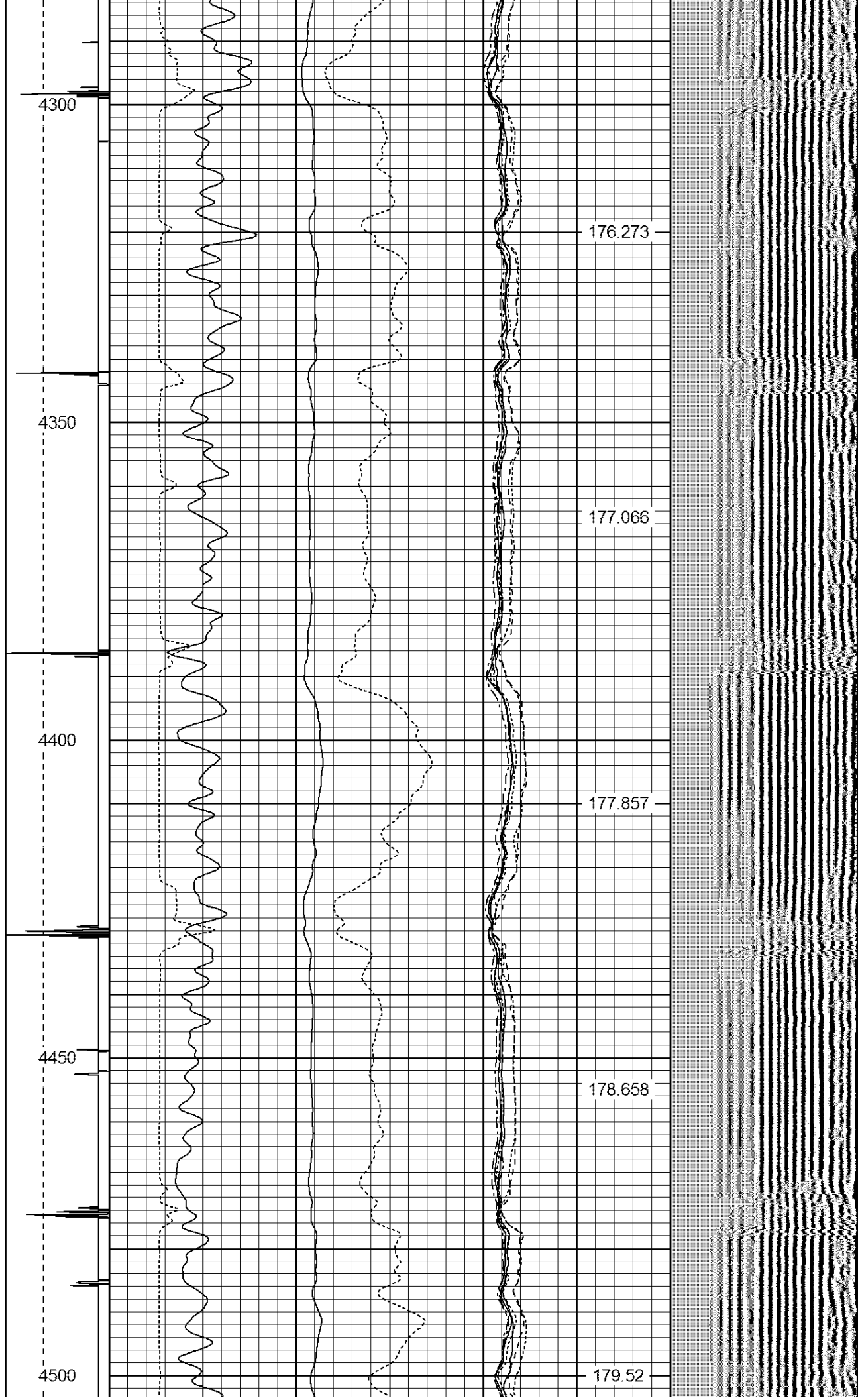


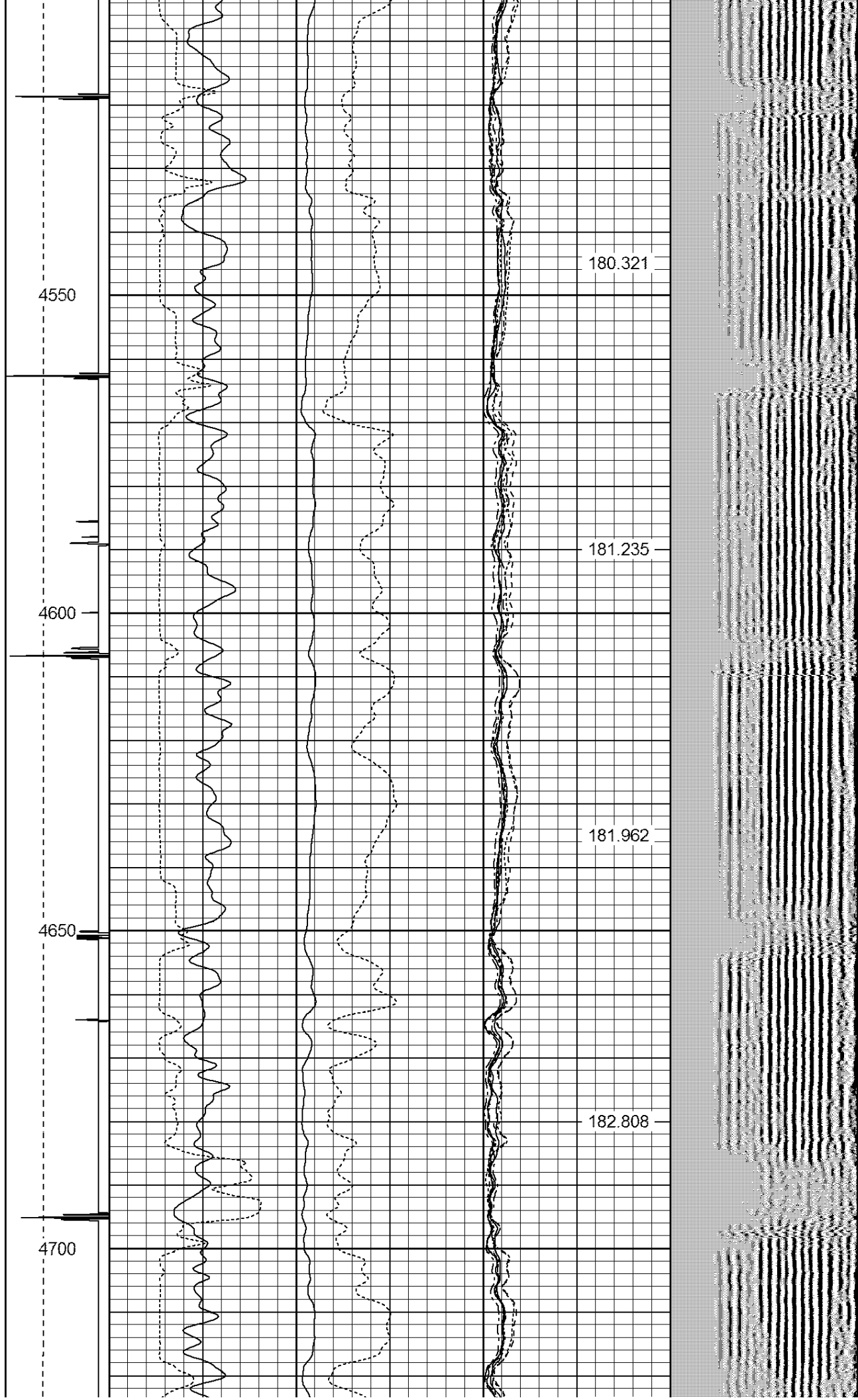


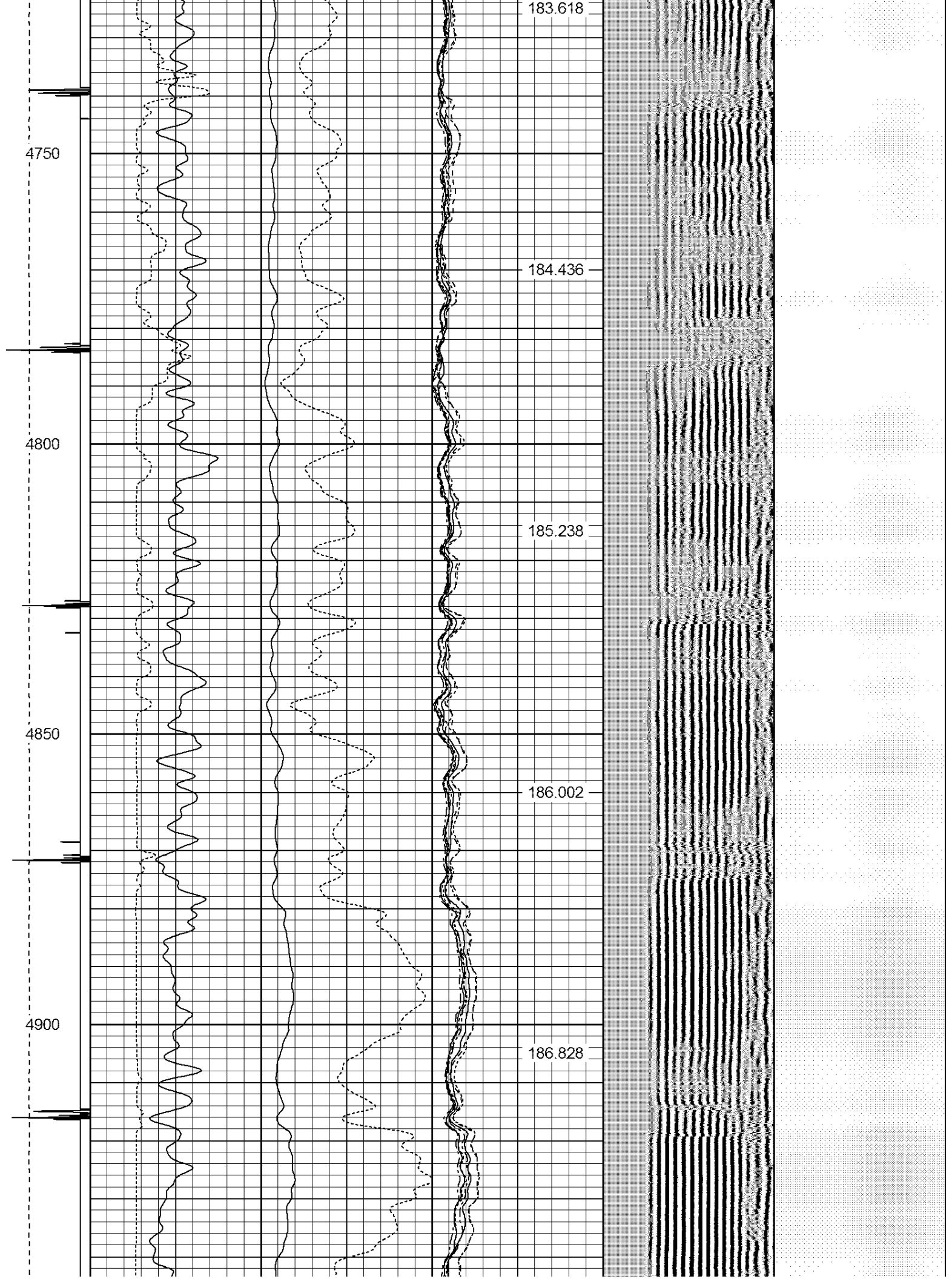


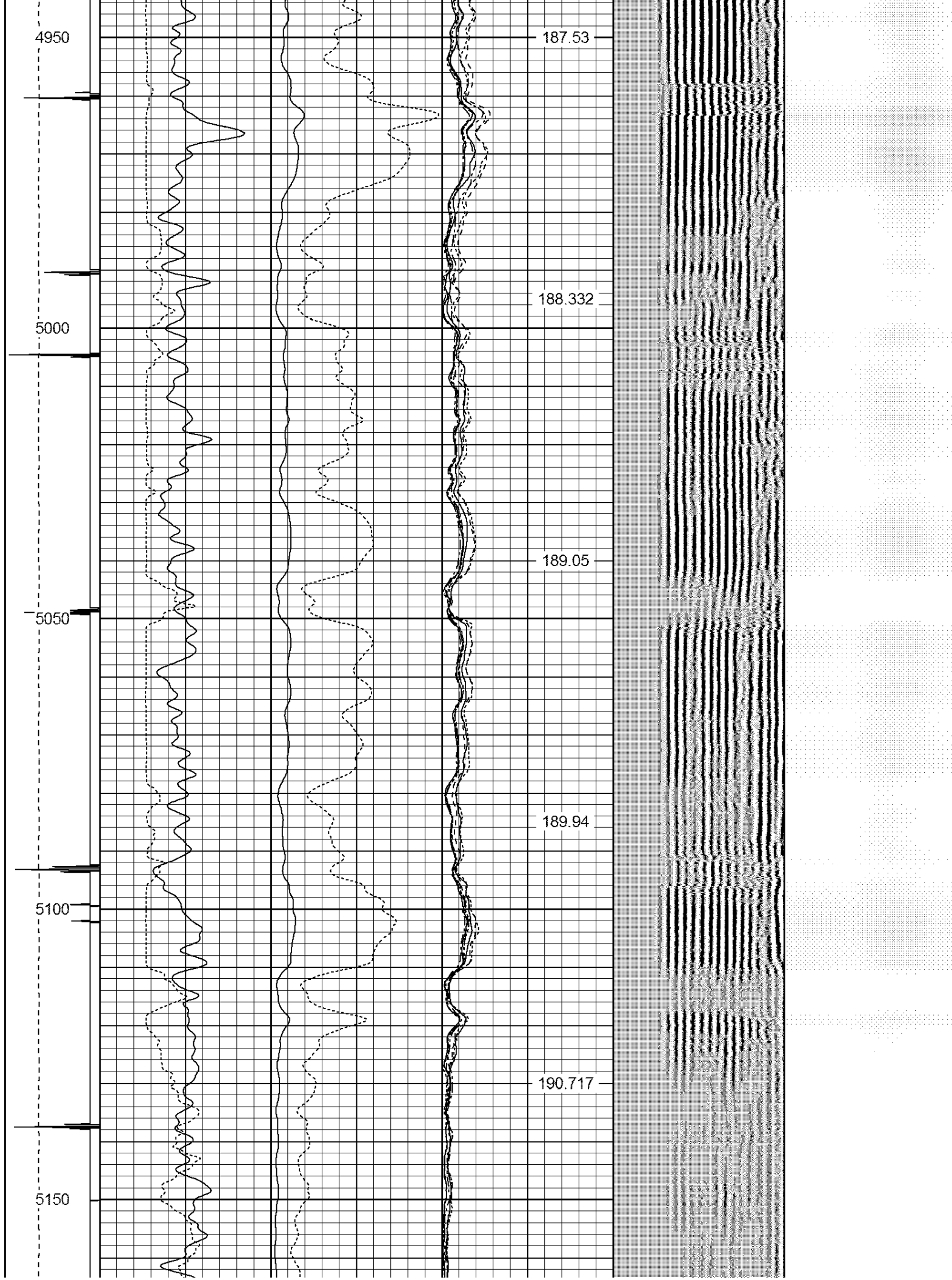


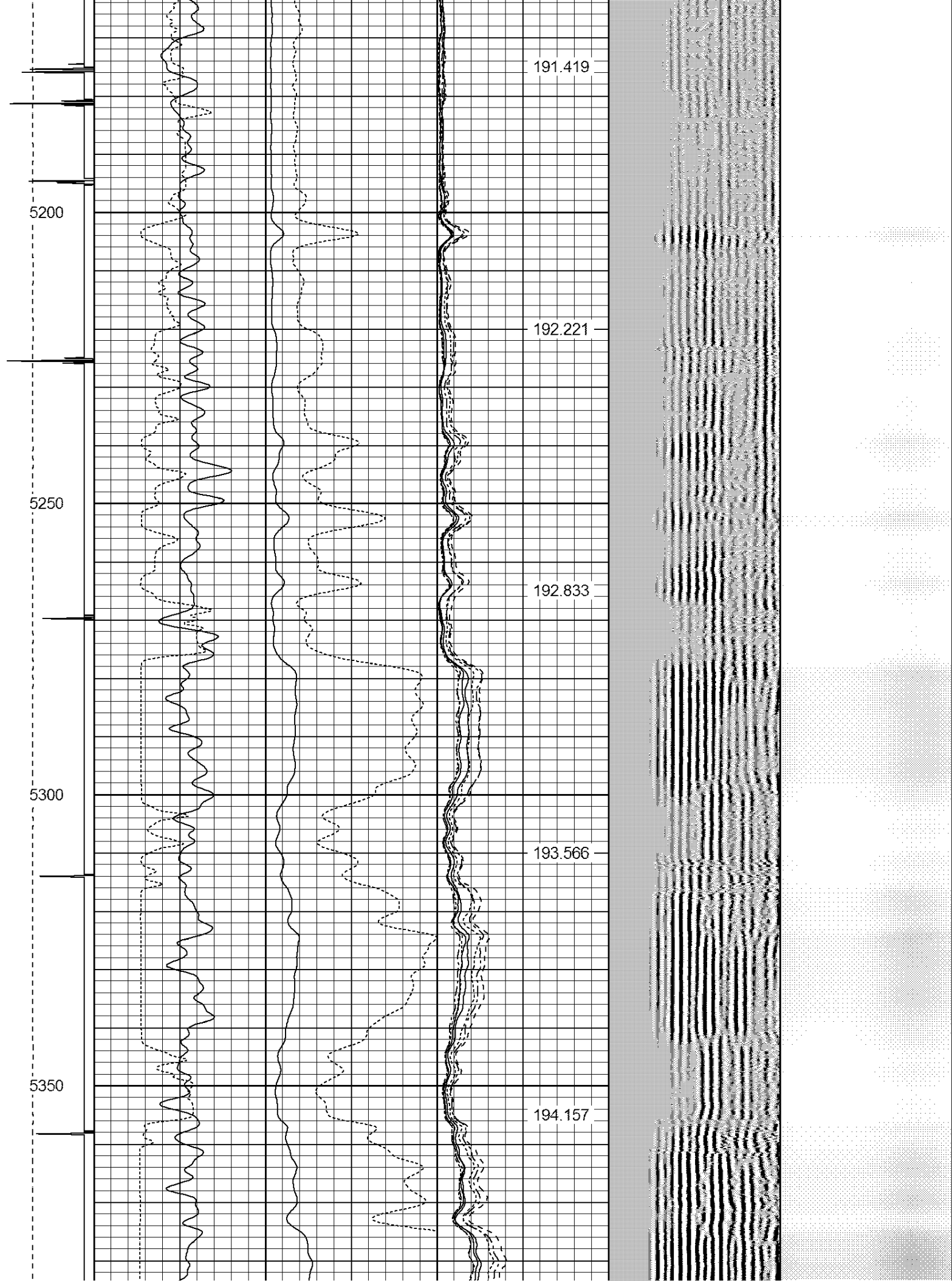












5400

194.671

5450

195.2

5500

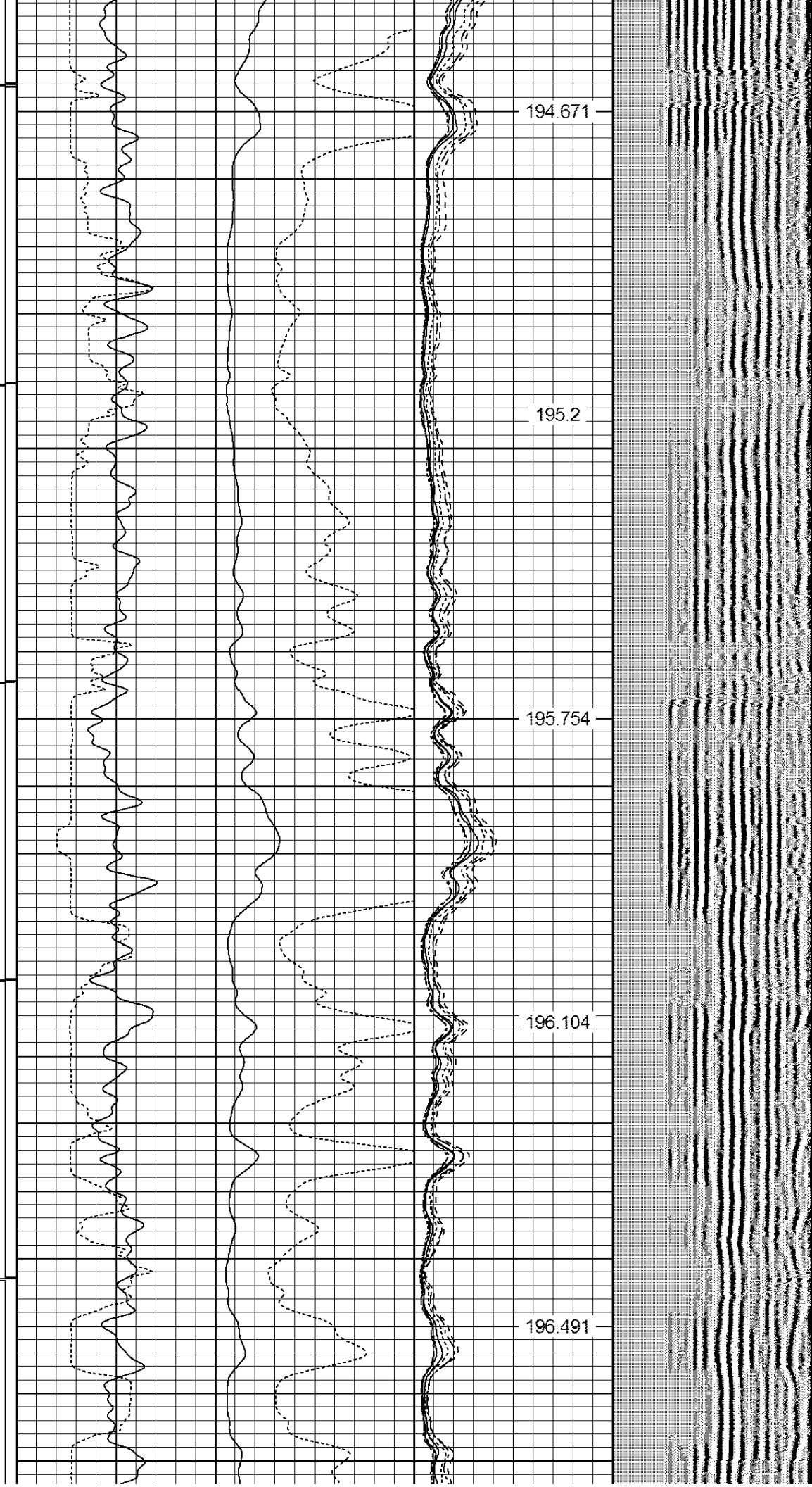
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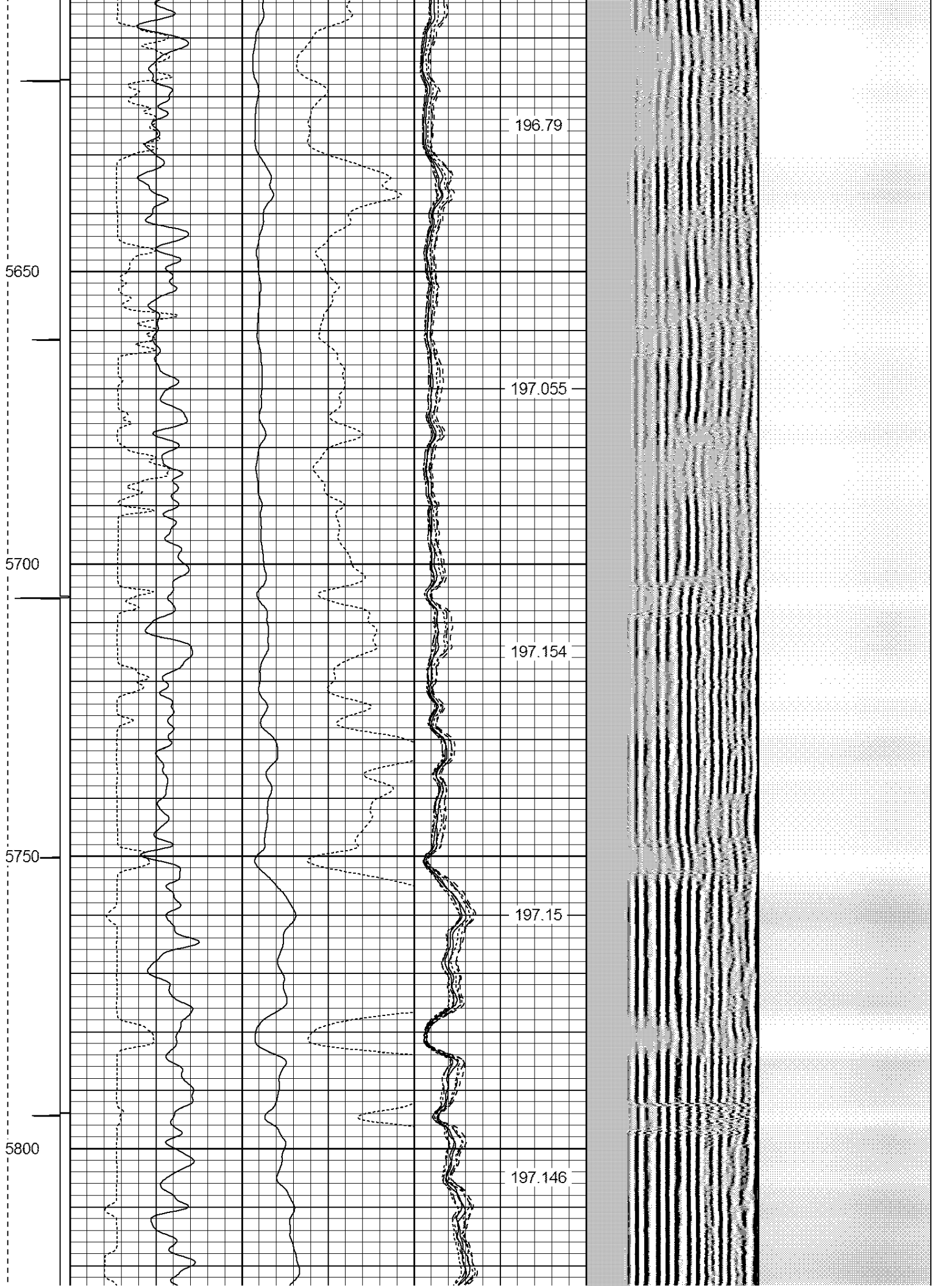
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196.104

5600

196.491





5850

5900

5950

6000

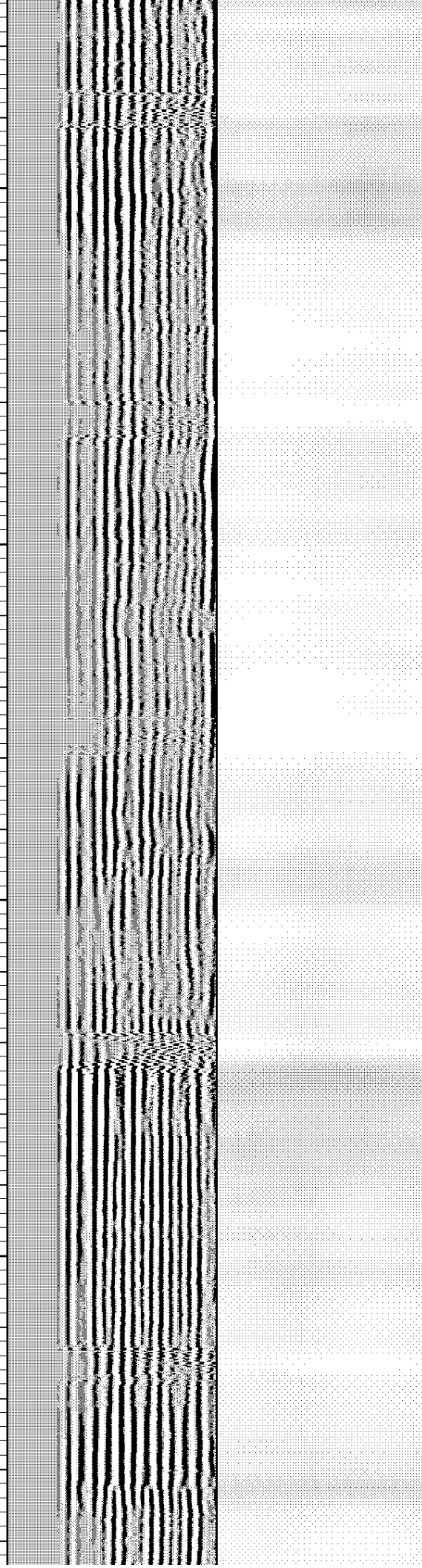
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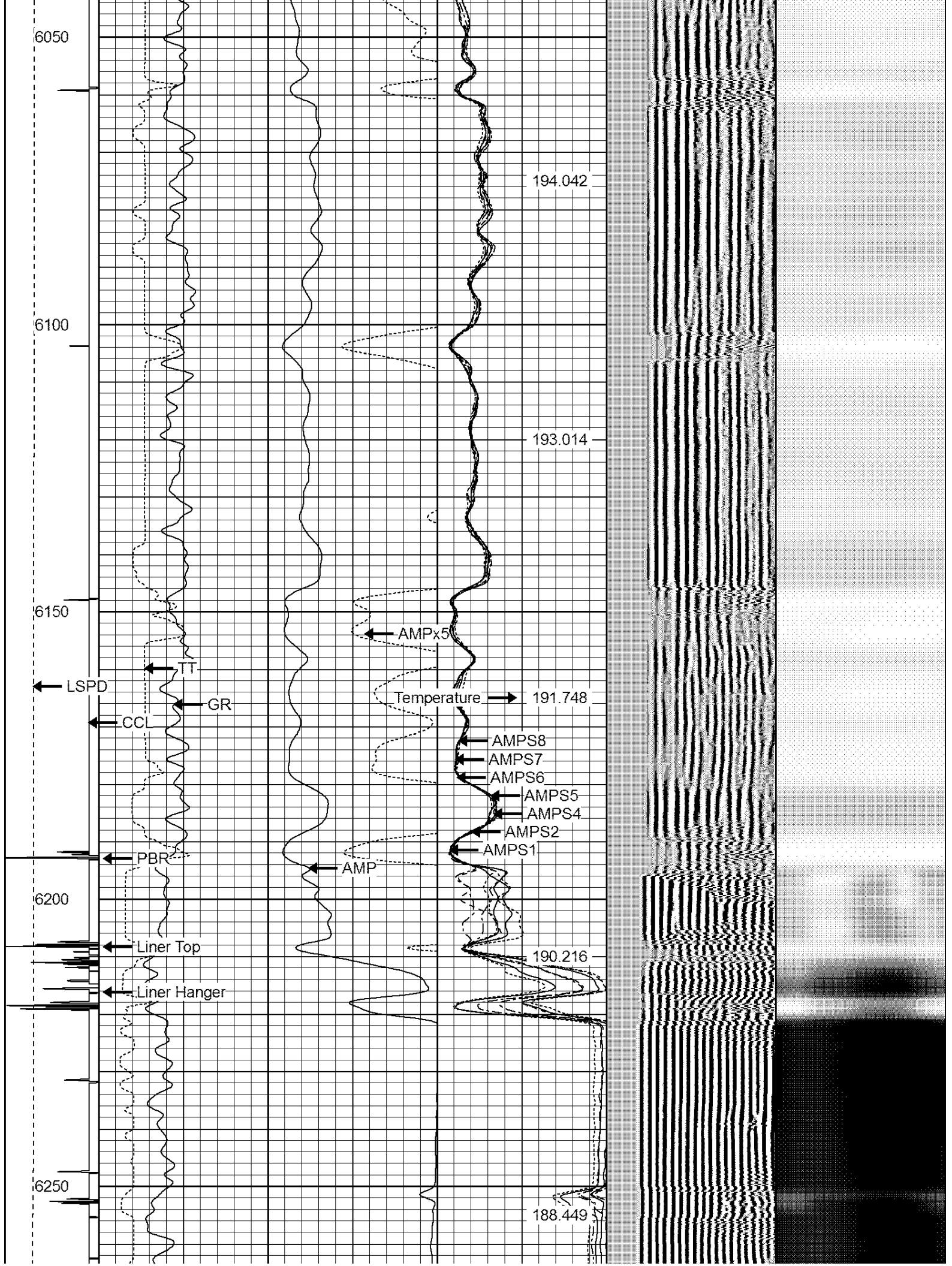
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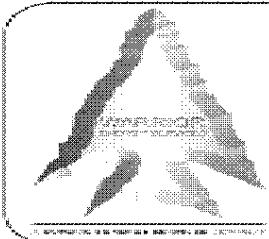
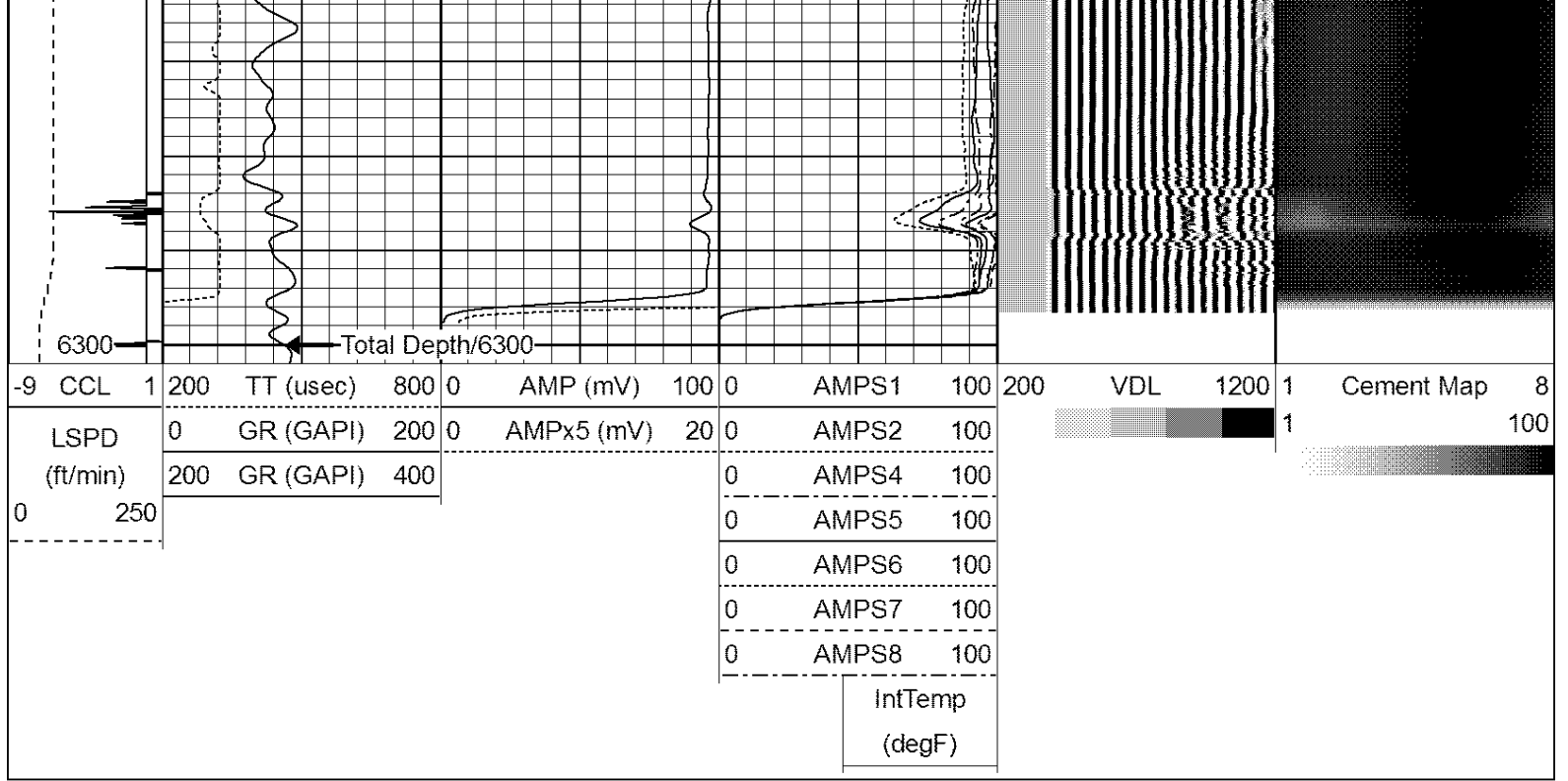
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195.602

194.941







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