



RADIAL CEMENT BOND LOG GAMMA RAY CCL

Company KERR-McGEE OIL & GAS ONSHORE LP
Well NELSON HAROLD UN A 1
Field WATTENBERG
County WELD
State COLORADO

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Location: API # : 05-123-07947
SE/NE
LAT:40.18530 LONG: -104.92780
SEC 31 TWP 3N RGE 67W
Permanent Datum GL
Log Measured From KB 10' Elevation 4799
Drilling Measured From KB
Other Services
K.B. 4809
D.F. 4808
G.L. 4799

Date 7/7/2014

Run Number ONE
Depth Driller 7820
Depth Logger 7752
Bottom Logged Interval 7580
Top Log Interval SURFACE
Open Hole Size 7 7/8"
Type Fluid WATER
Density / Viscosity 1.0
Max. Recorded Temp. 222
Estimated Cement Top 7254'
Time Well Ready N/A
Time Logger on Bottom N/A
Equipment Number 5432
Location GREELEY
Recorded By Chris Baum
Witnessed By L. WEBB

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

Casing Record
Surface String Size 8 5/8 Wgt/Ft Top Bottom 221
Prot. String
Production String 4 1/2 11.6# 0 7812
Liner

<<< 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

NOT CORRELATED
RAN BOND LOG TO VERIFY CEMENT
THANK YOU FOR USING WARRIOR ENERGY SERVICES!!!!

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CENT	19.08					

Tool Joint	Length (ft)	Weight (lb)	O.D. (in)	Notes
HEADVOLT	16.25			
RBT	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			
GR	4.33			
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"

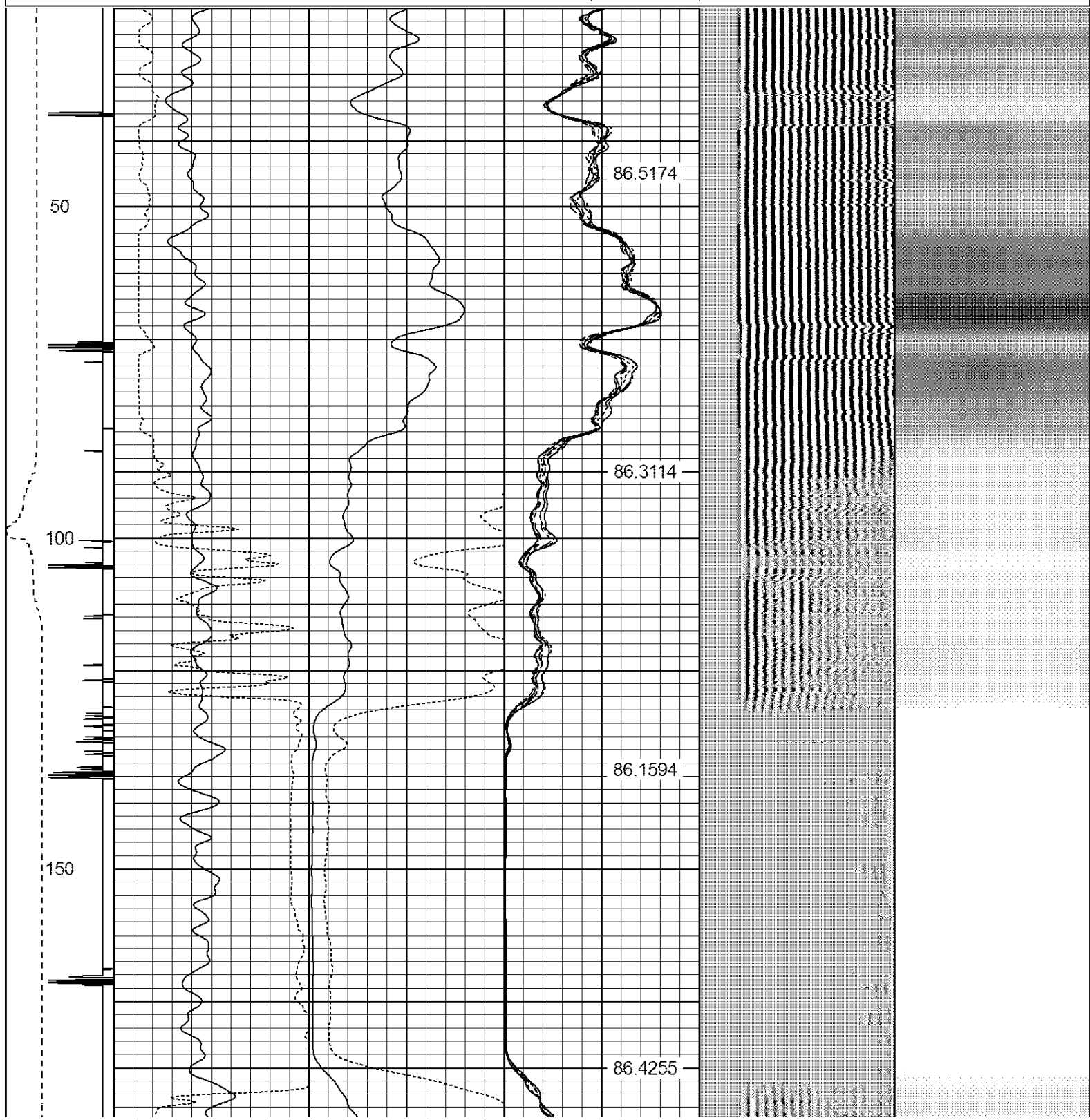
Dataset: nelson harold un a 1.db: field/well/run1/pass6

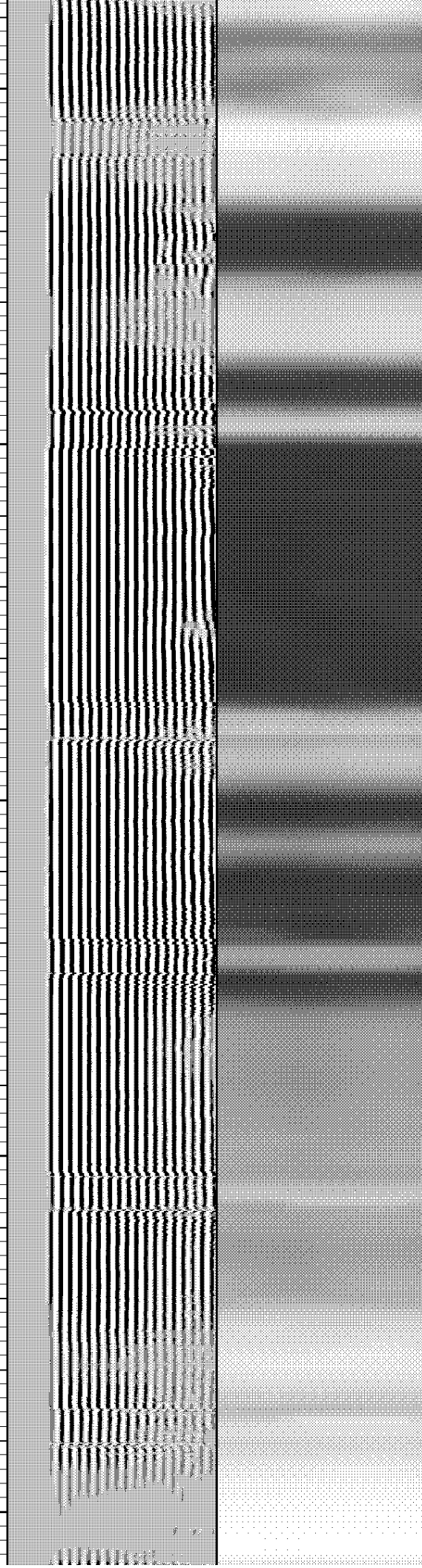
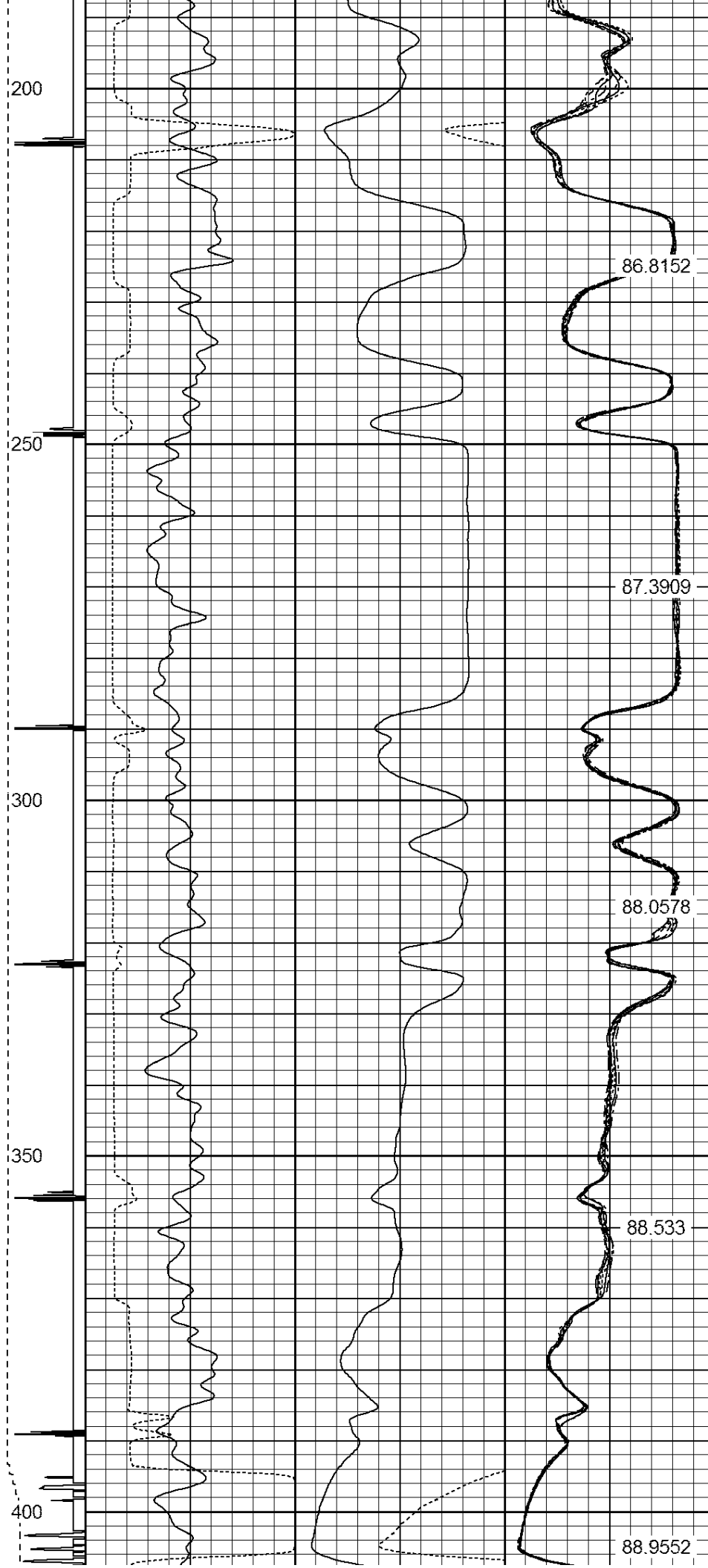
Total Length: 19.08 ft

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			0	GR (cps)	200	0	AMPx5 (mV)	20	0	AMPS2	100				1		100
(ft/min)			200	GR (cps)	400				0	AMPS4	100						
0		250							0	AMPS5	100						
									0	AMPS6	100						
									0	AMPS7	100						
									0	AMPS8	100						
										IntTemp							
										(degF)							







91.7122

92.1695

92.8033

93.2674

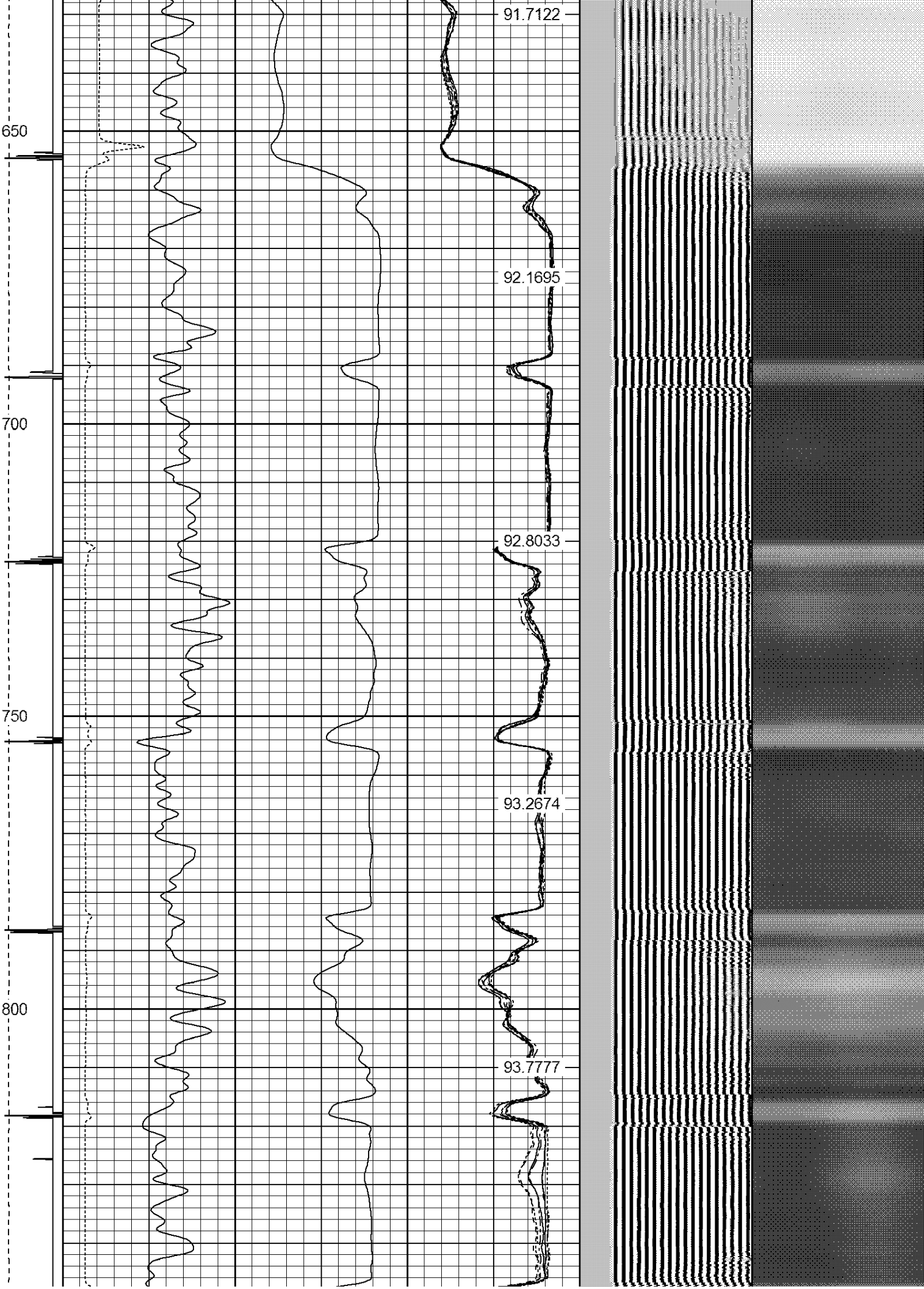
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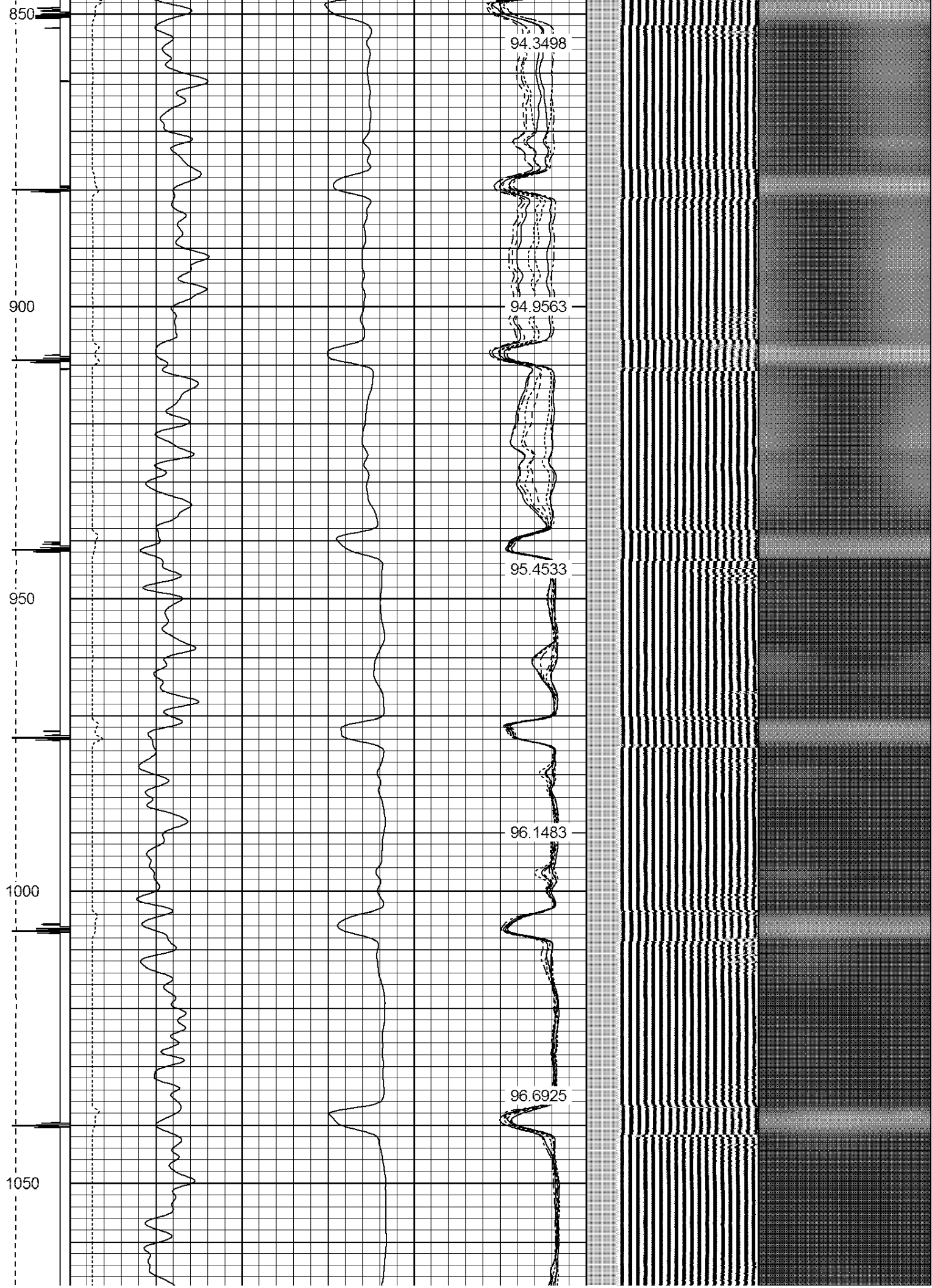
650

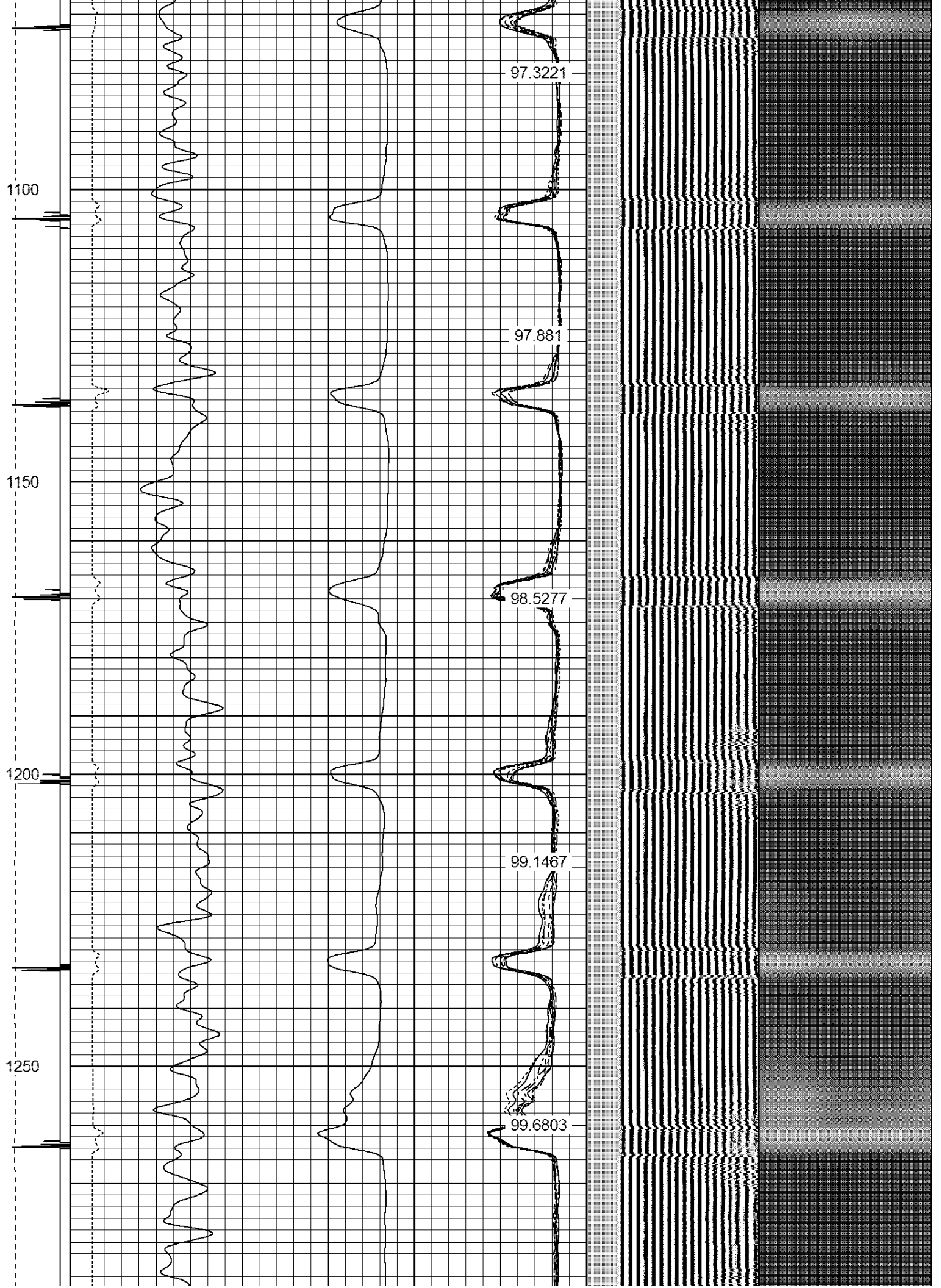
700

750

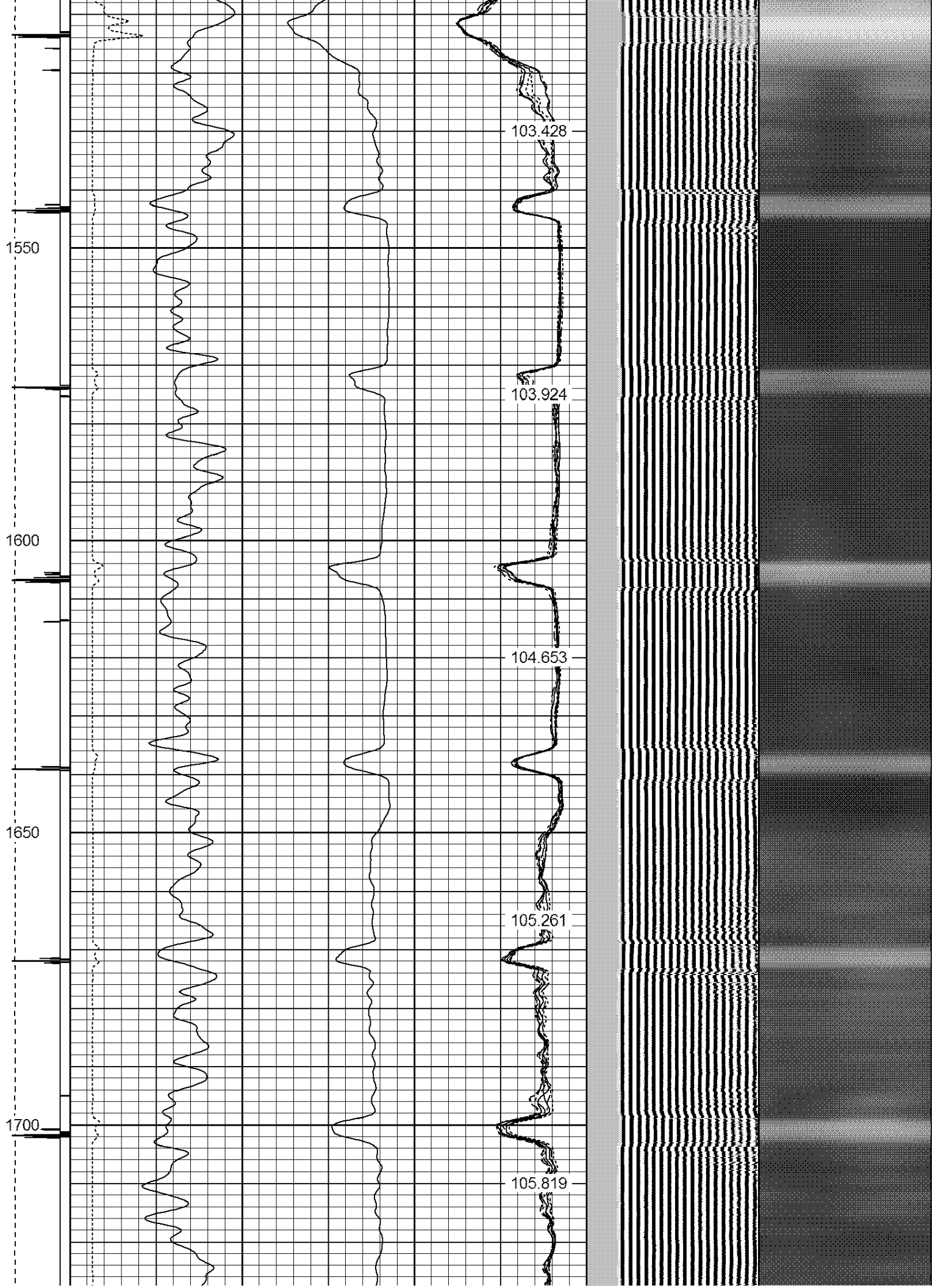
800











1750

1800

1850

1900

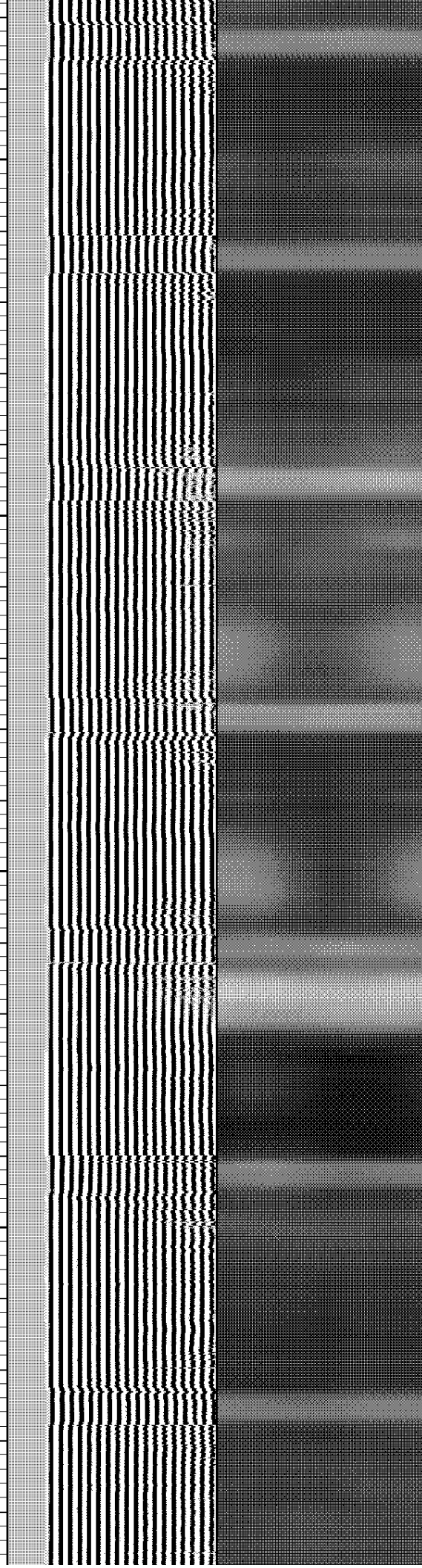
106.335

106.884

107.438

108.061

108.659



1950

2000

2050

2100

2150

109.291

109.928

110.365

110.694

111.039

2200

2250

2300

2350

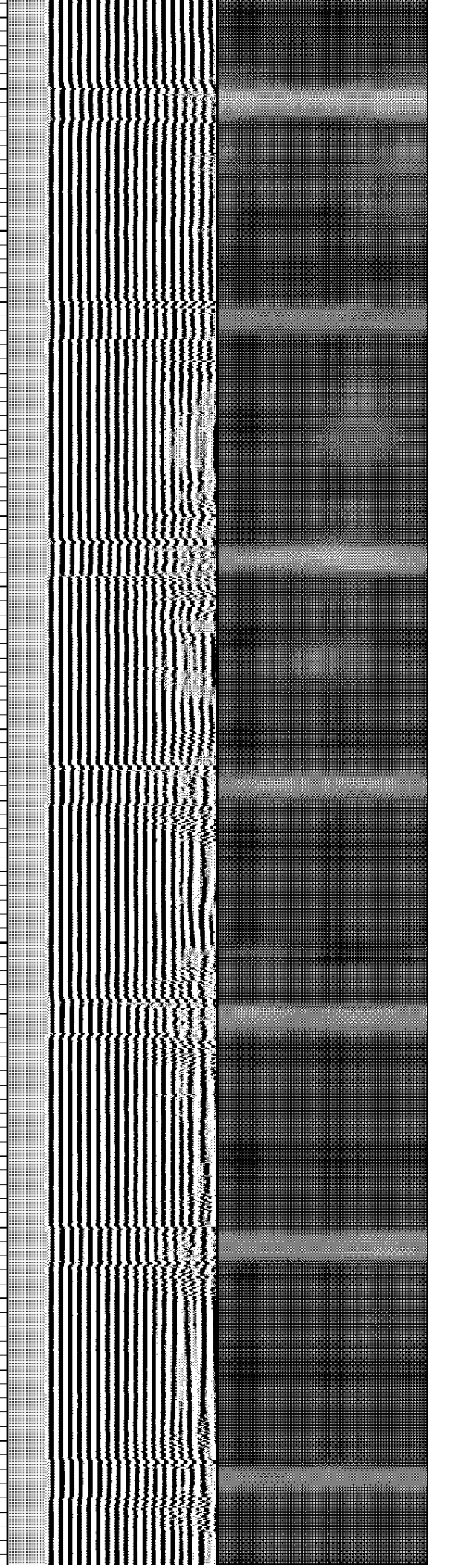
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111.337

111.376

111.467

111.351



2400

2450

2500

2550

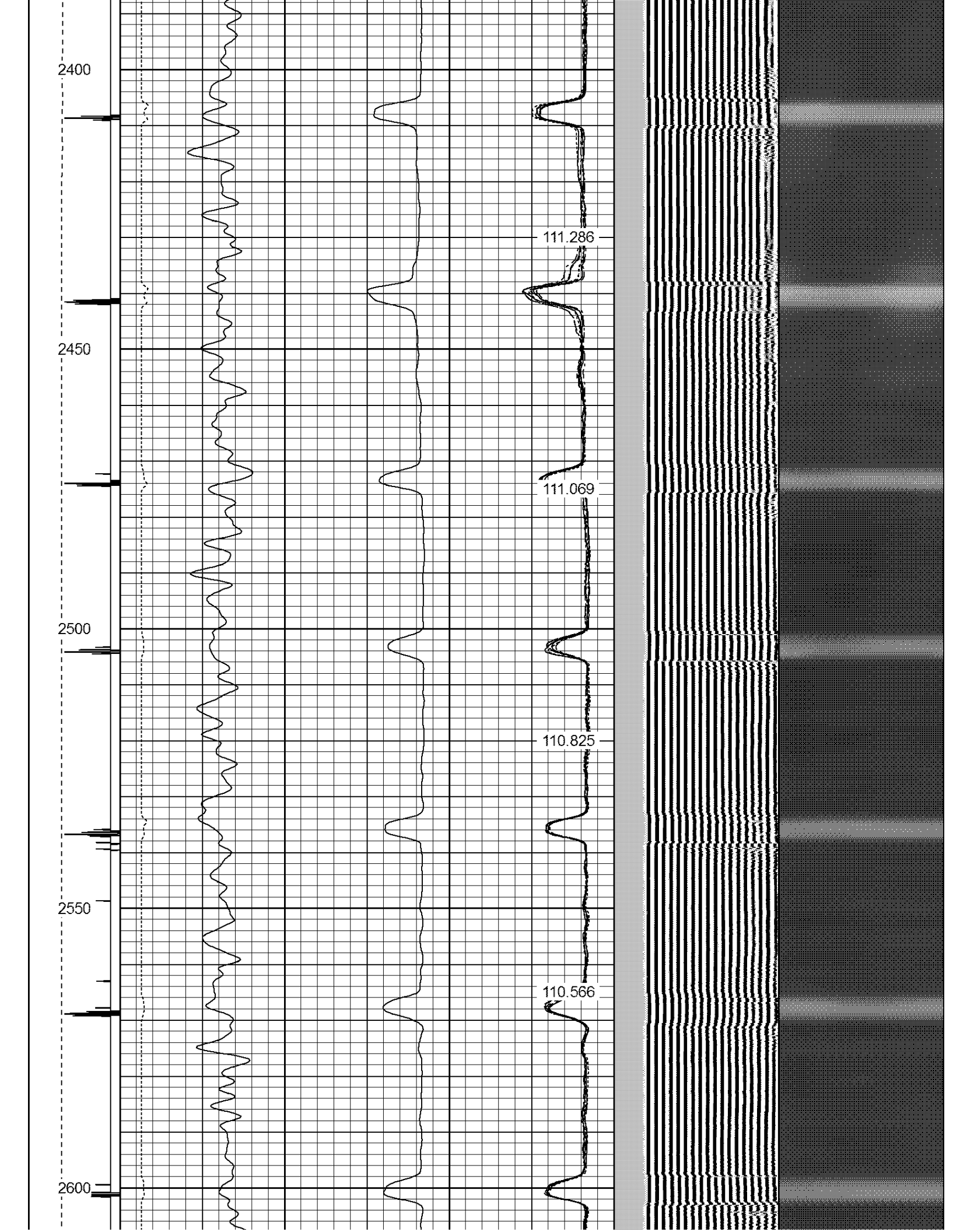
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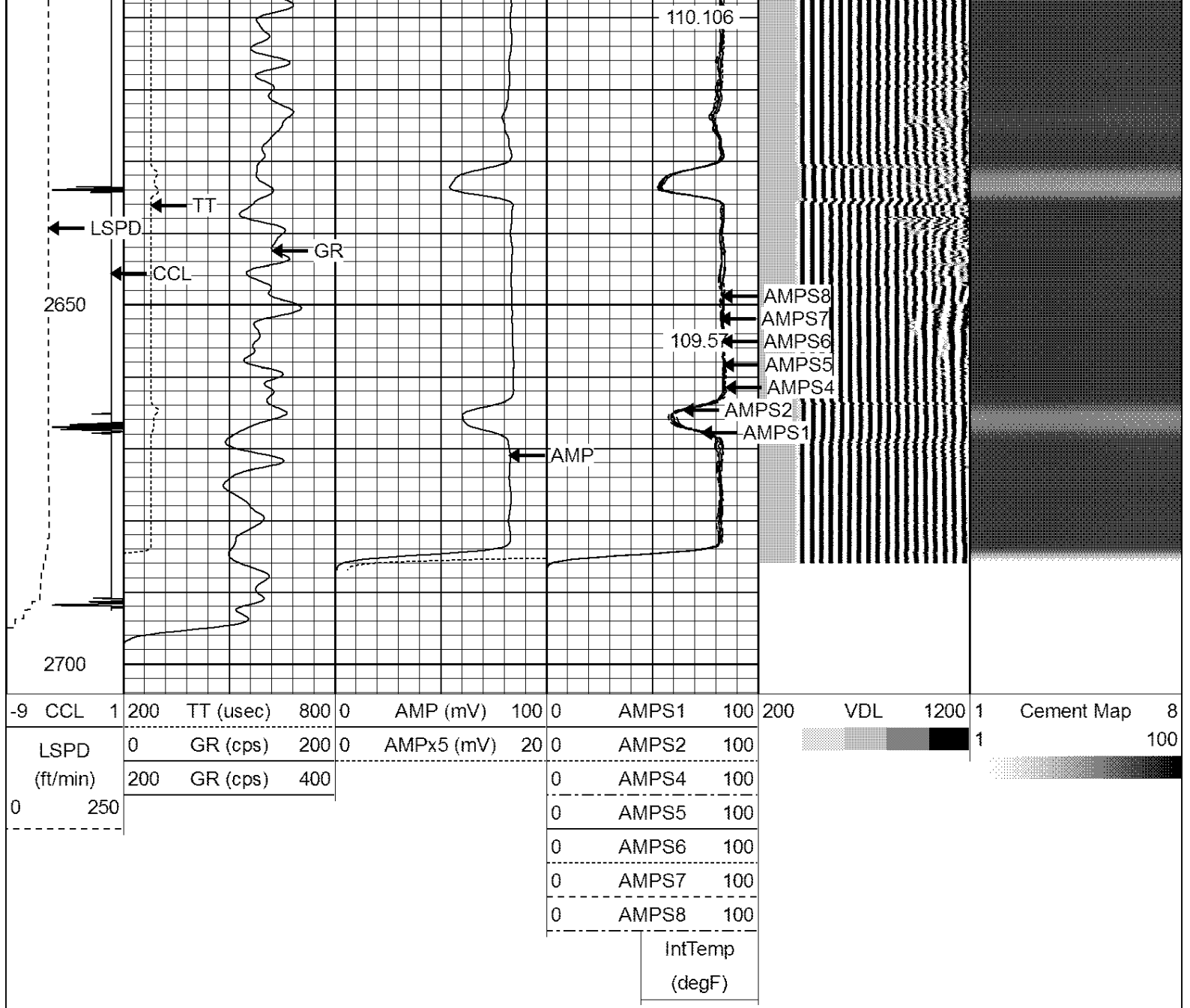
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111.069

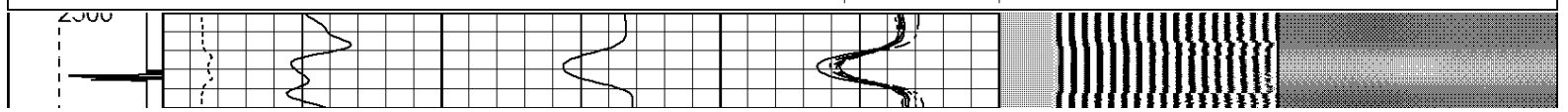
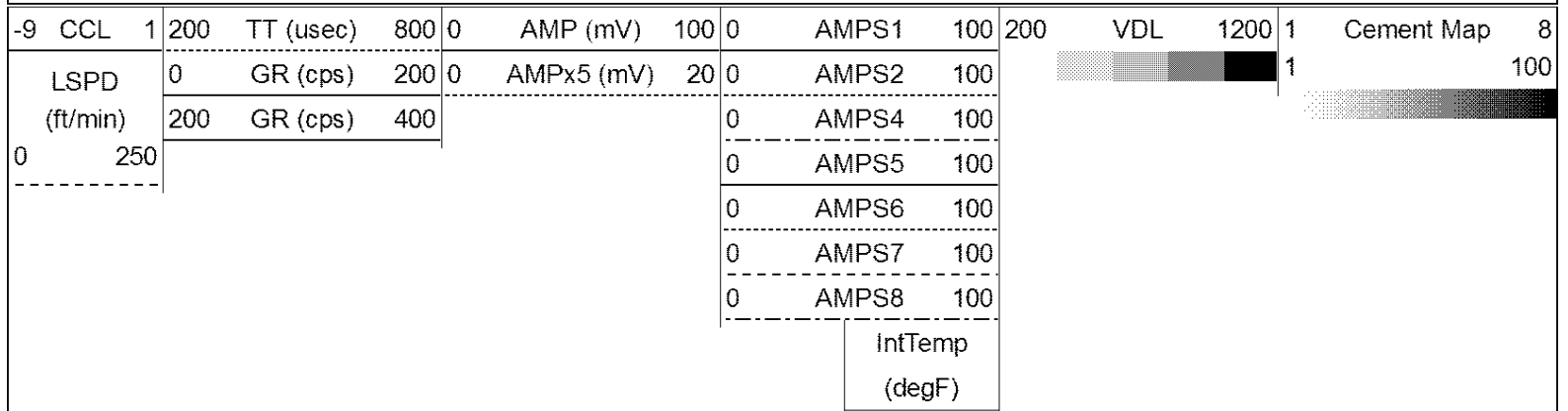
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110.566

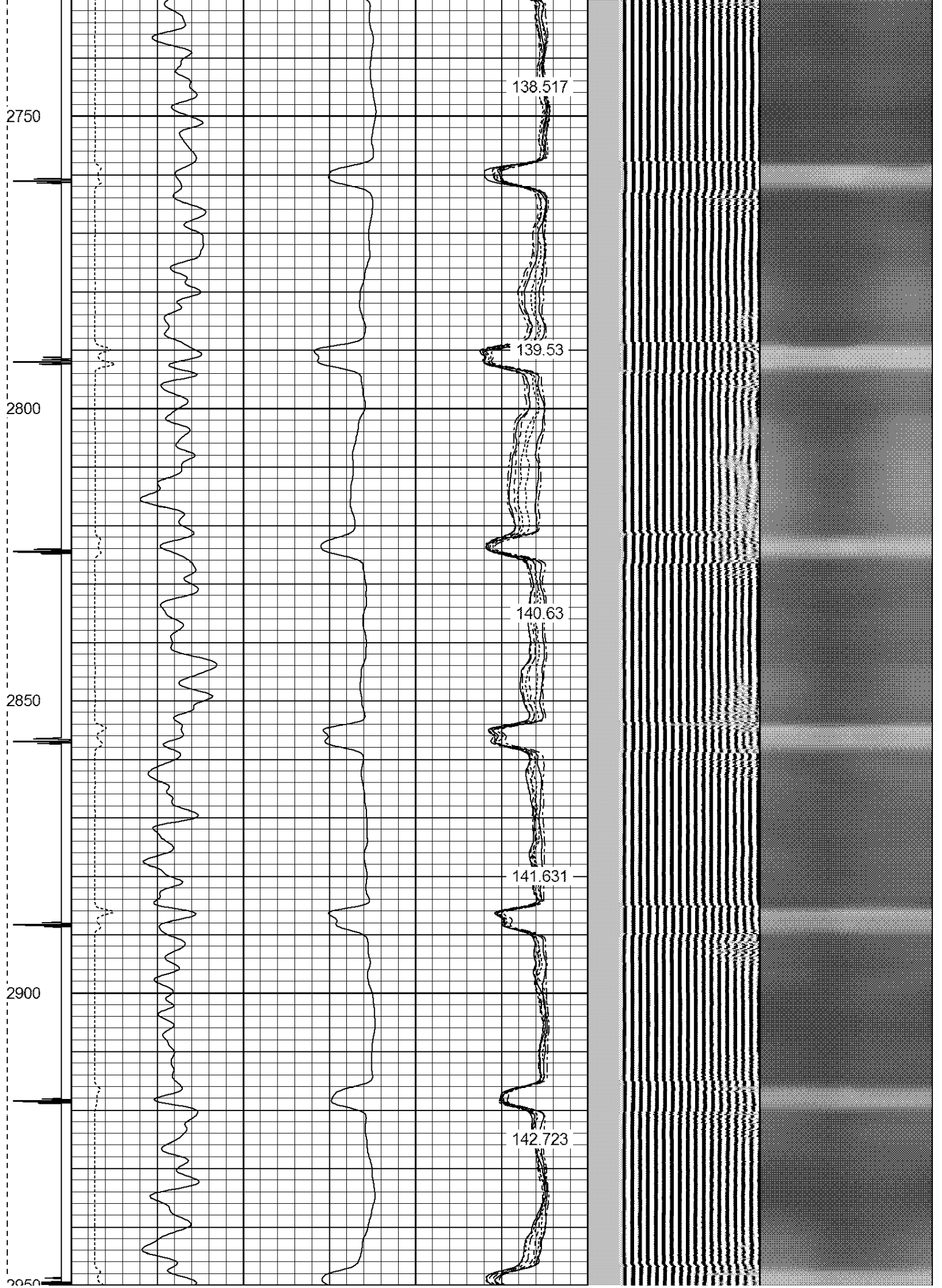


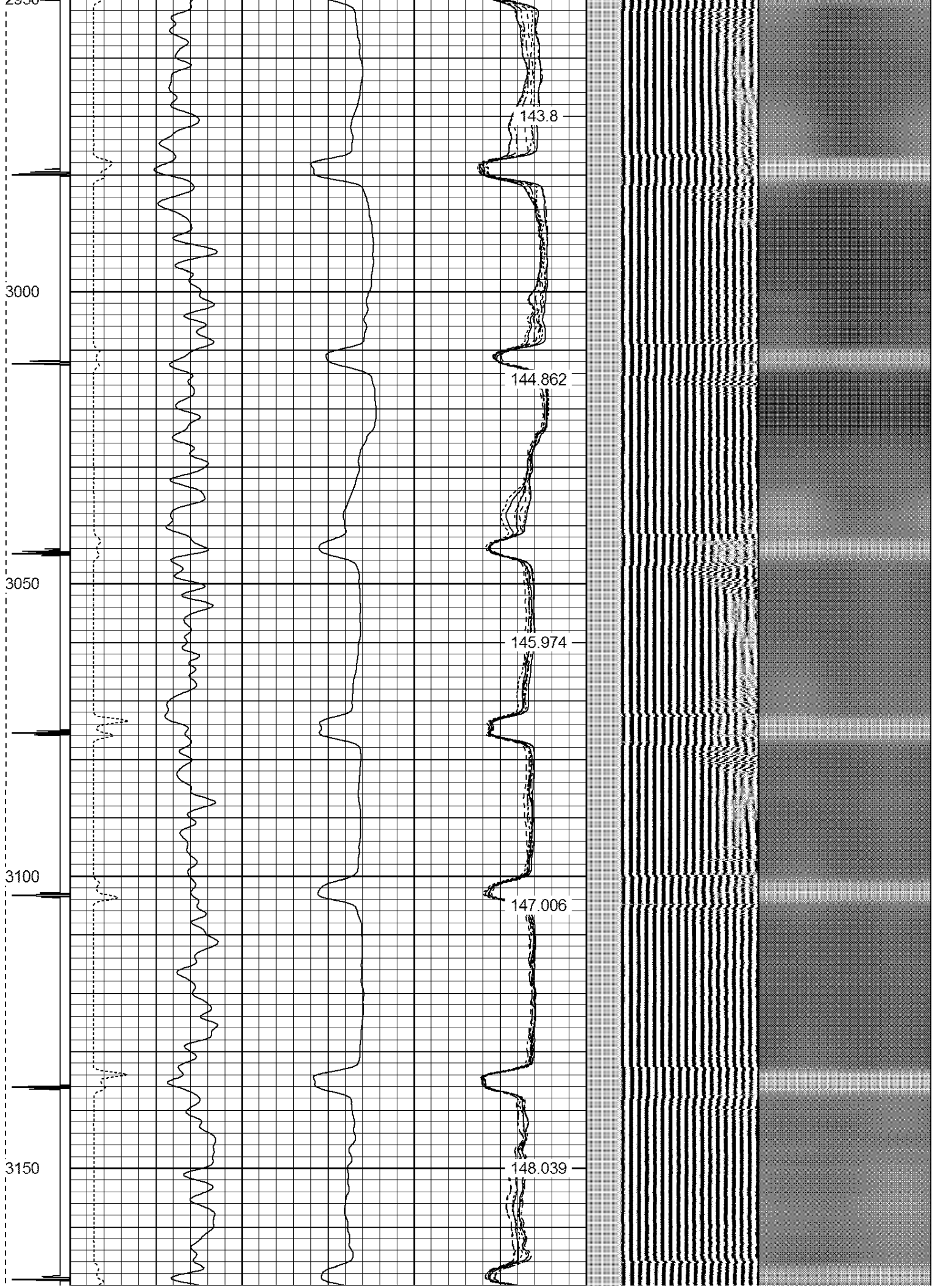


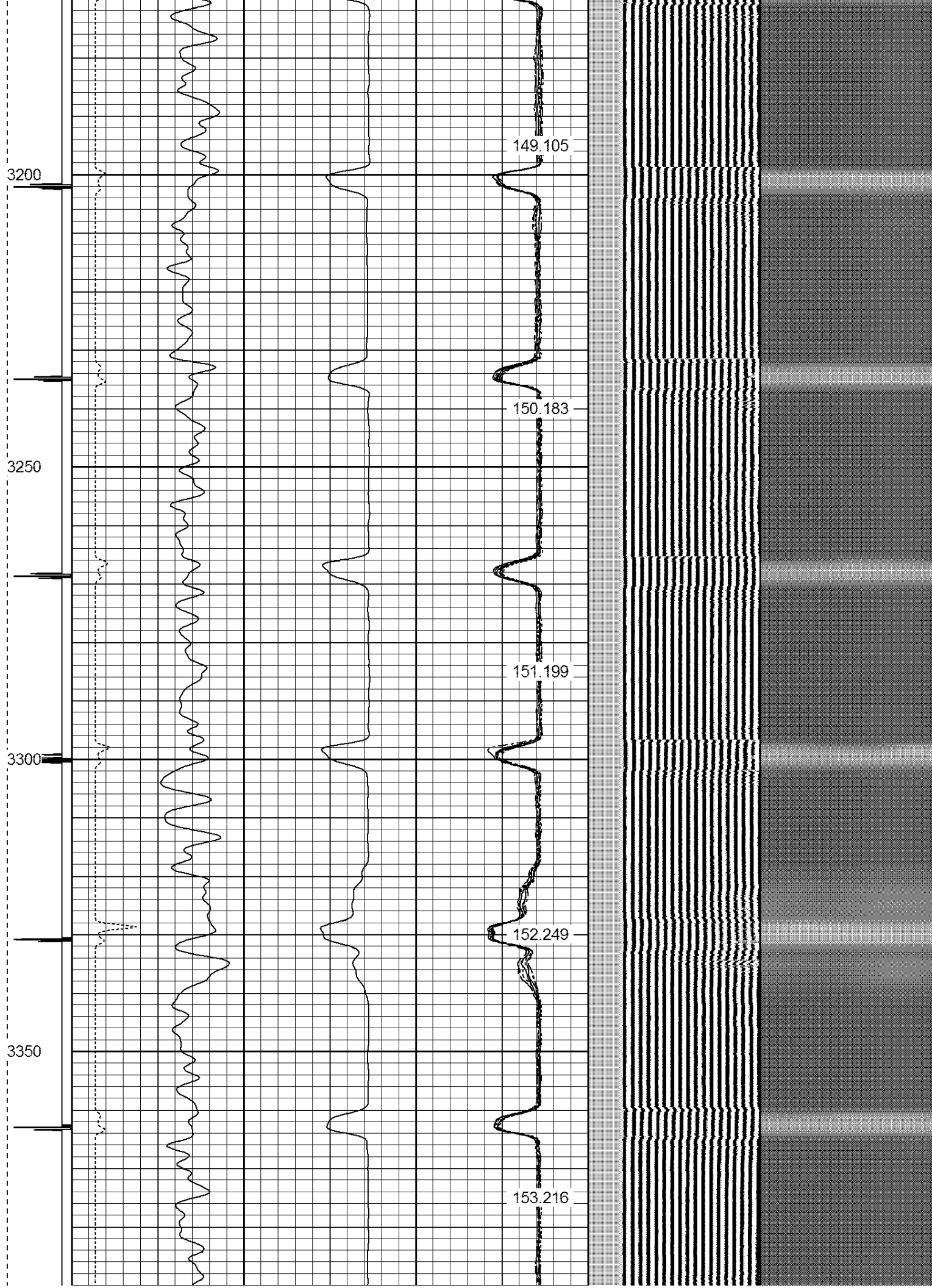
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 Dataset Creation: Mon Jul 07 12:07:52 2014 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240

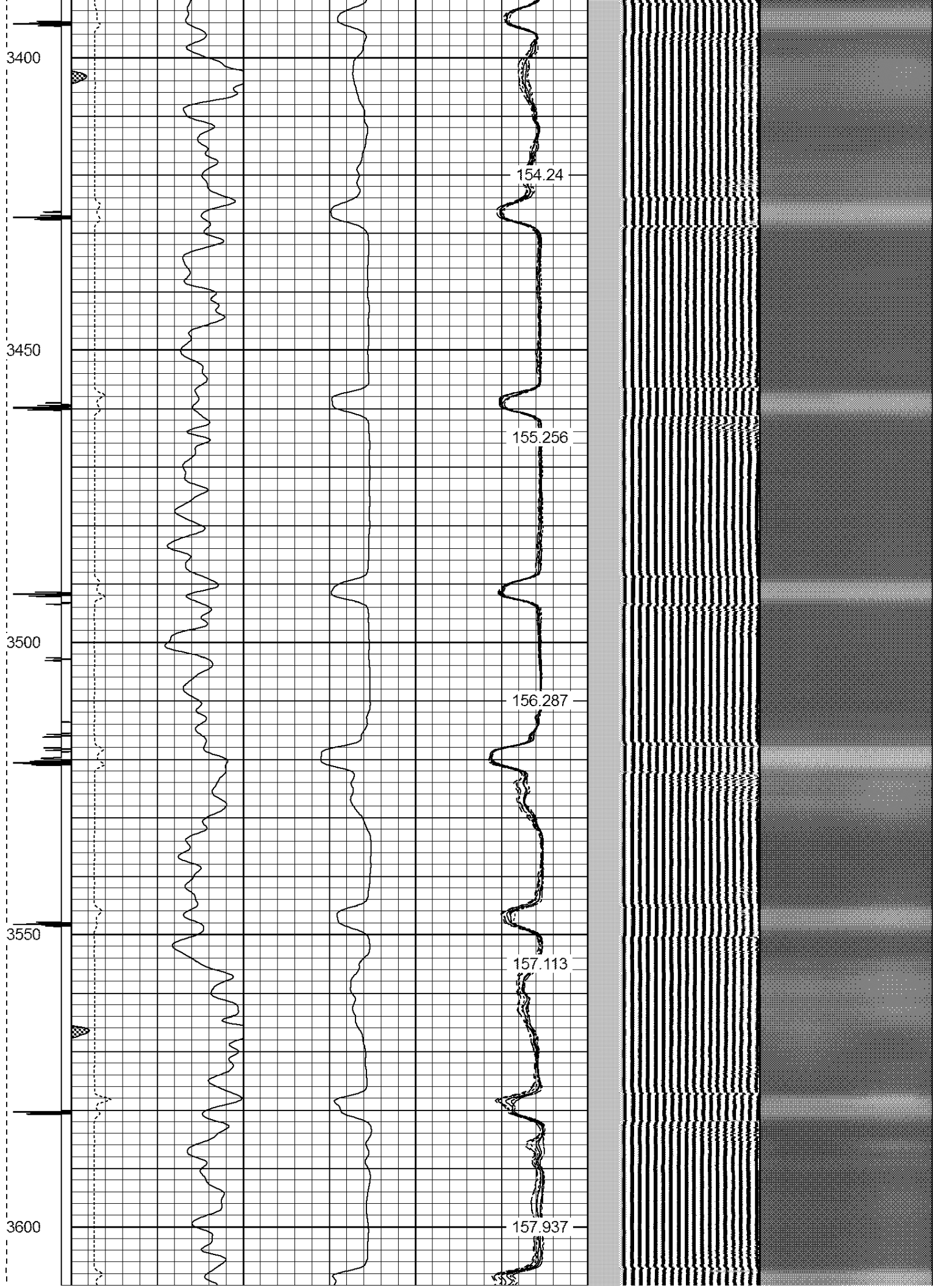


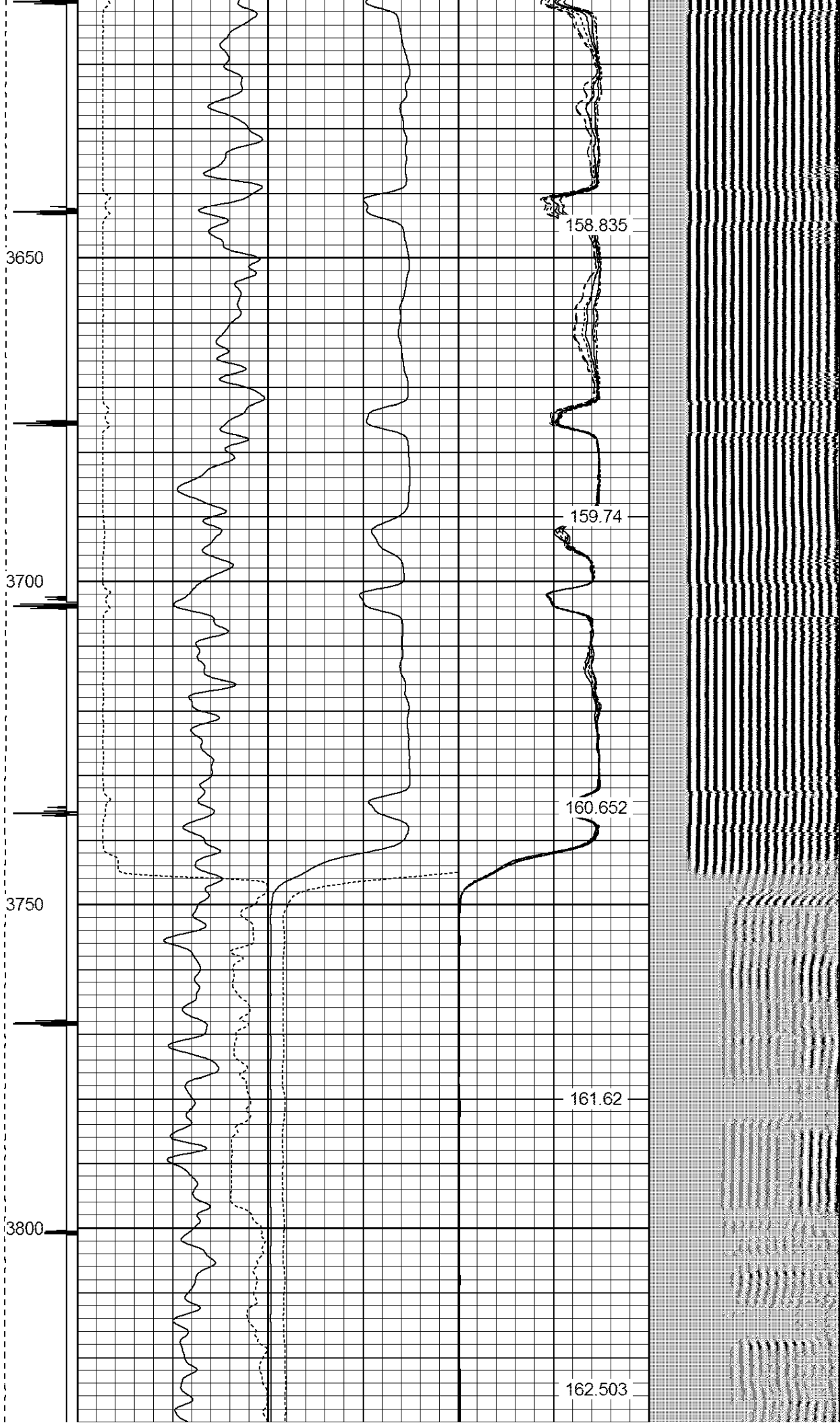












3850

3900

3950

4000

4050

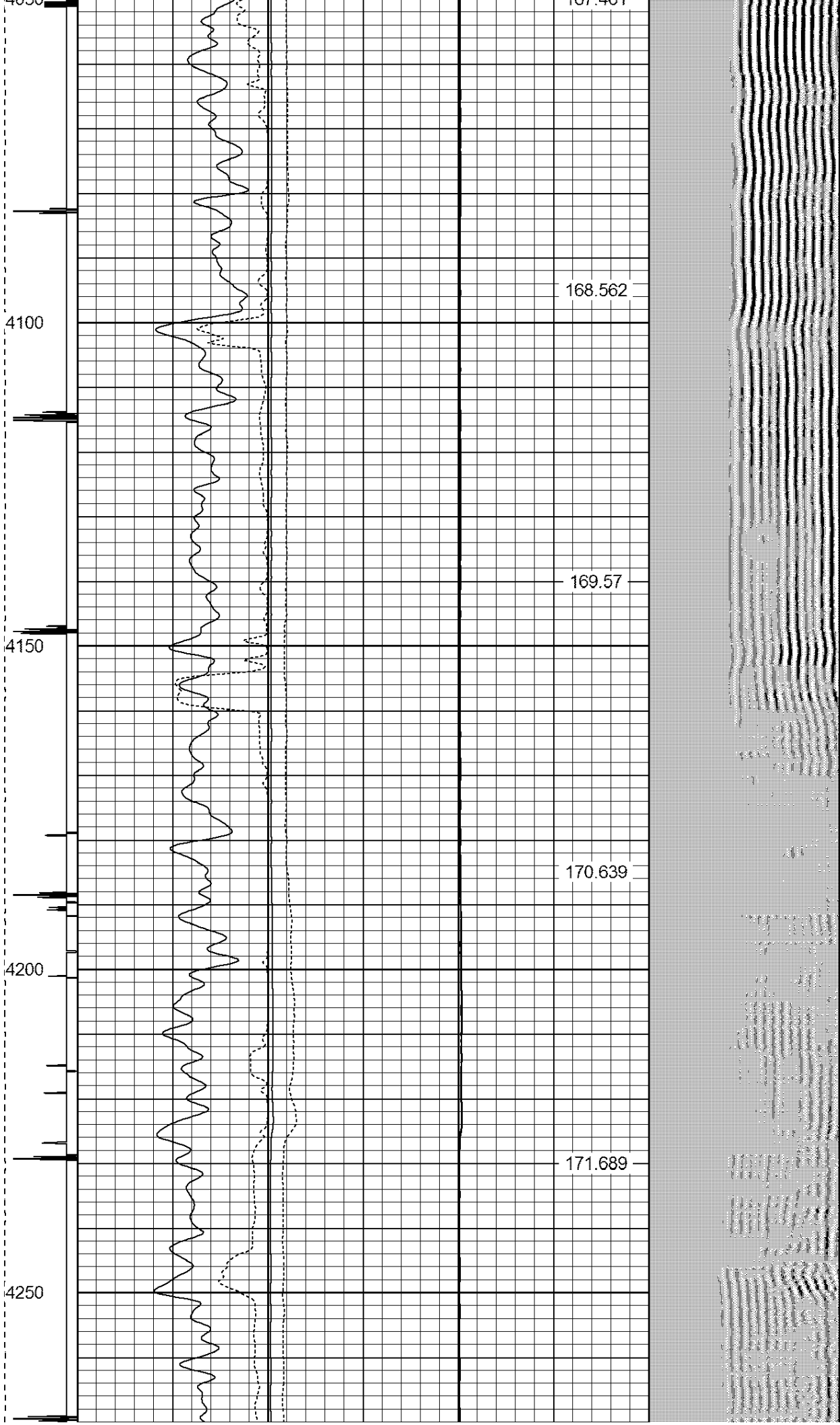
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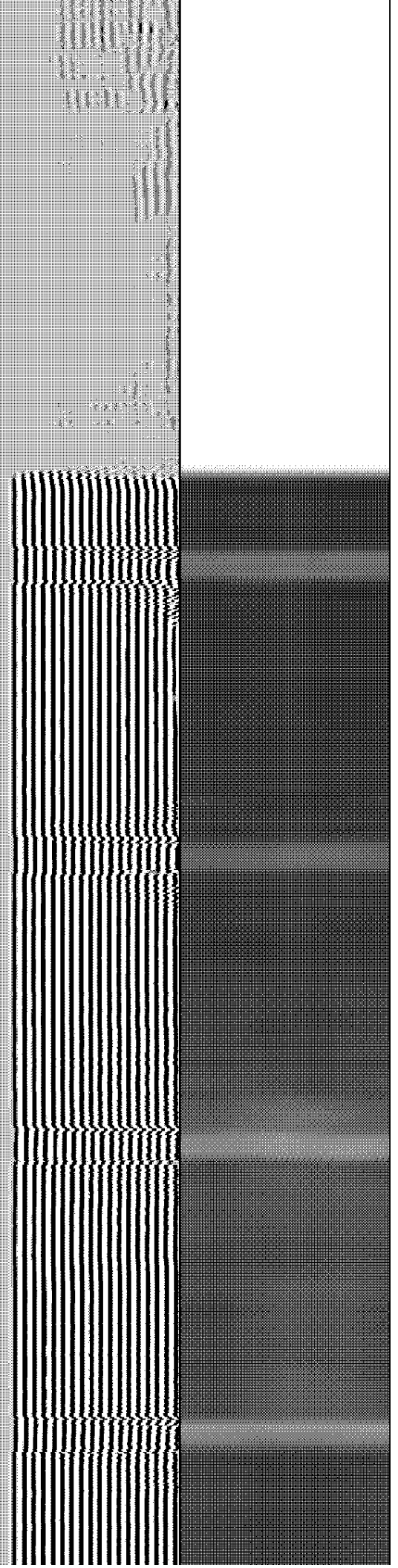
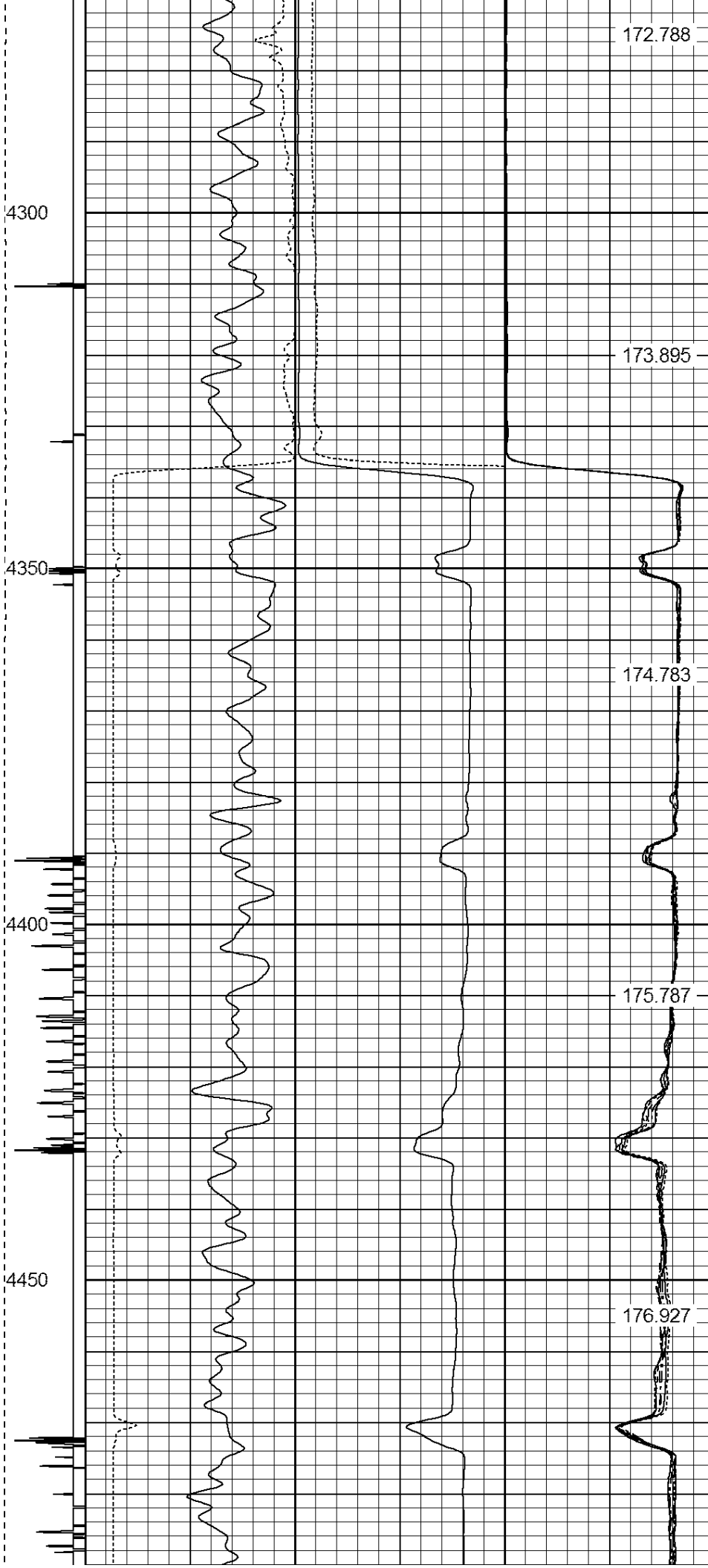
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165.406

166.389

167.461







4750

4800

4850

4900

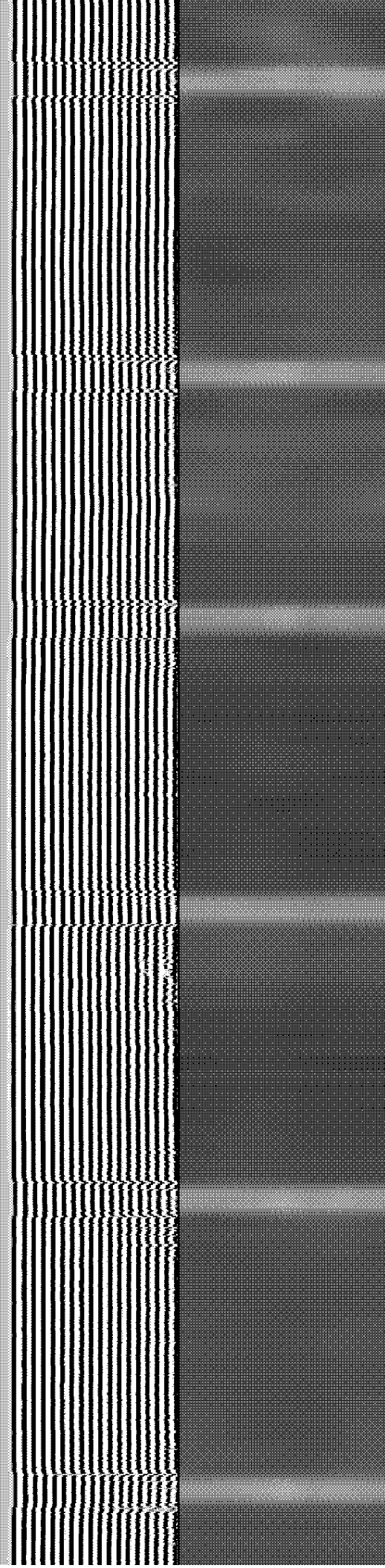
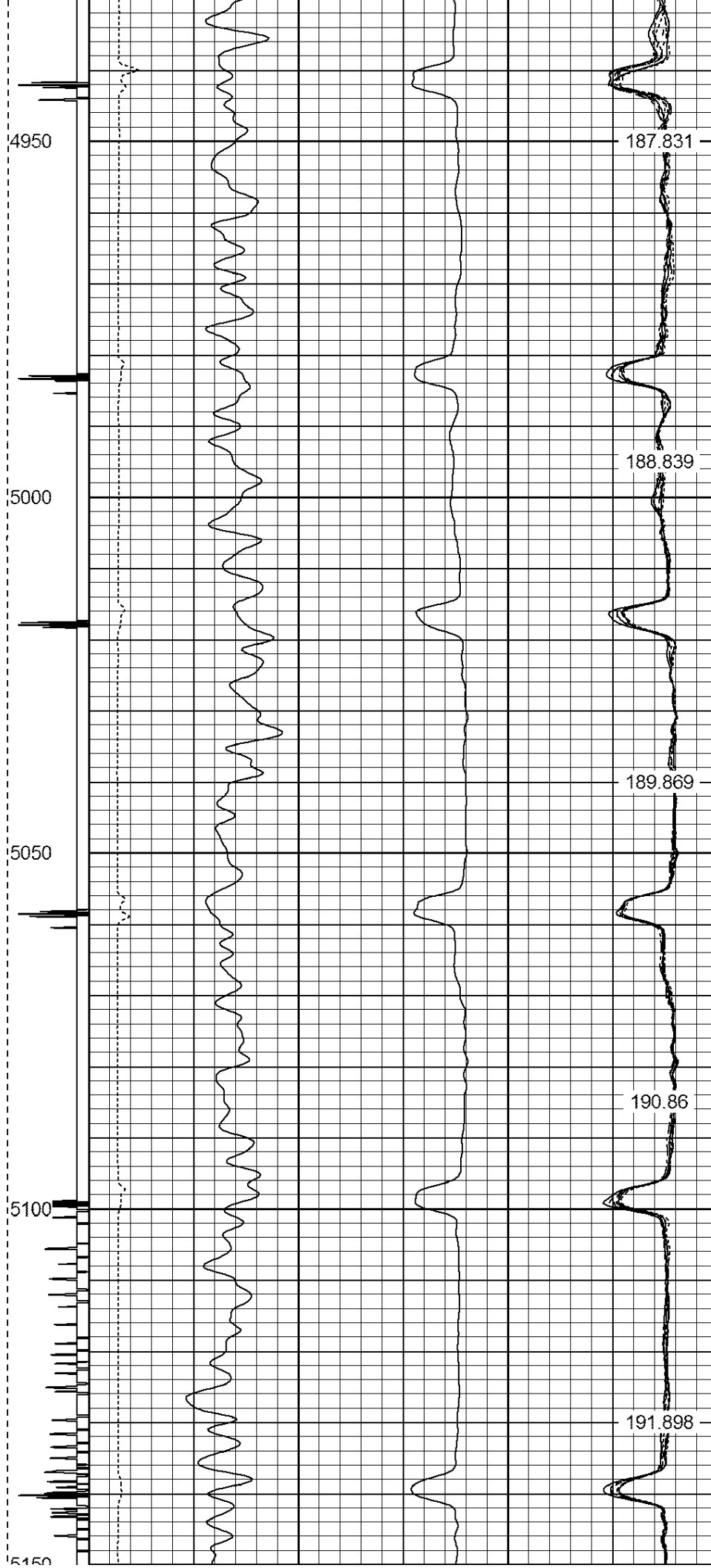
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183.919

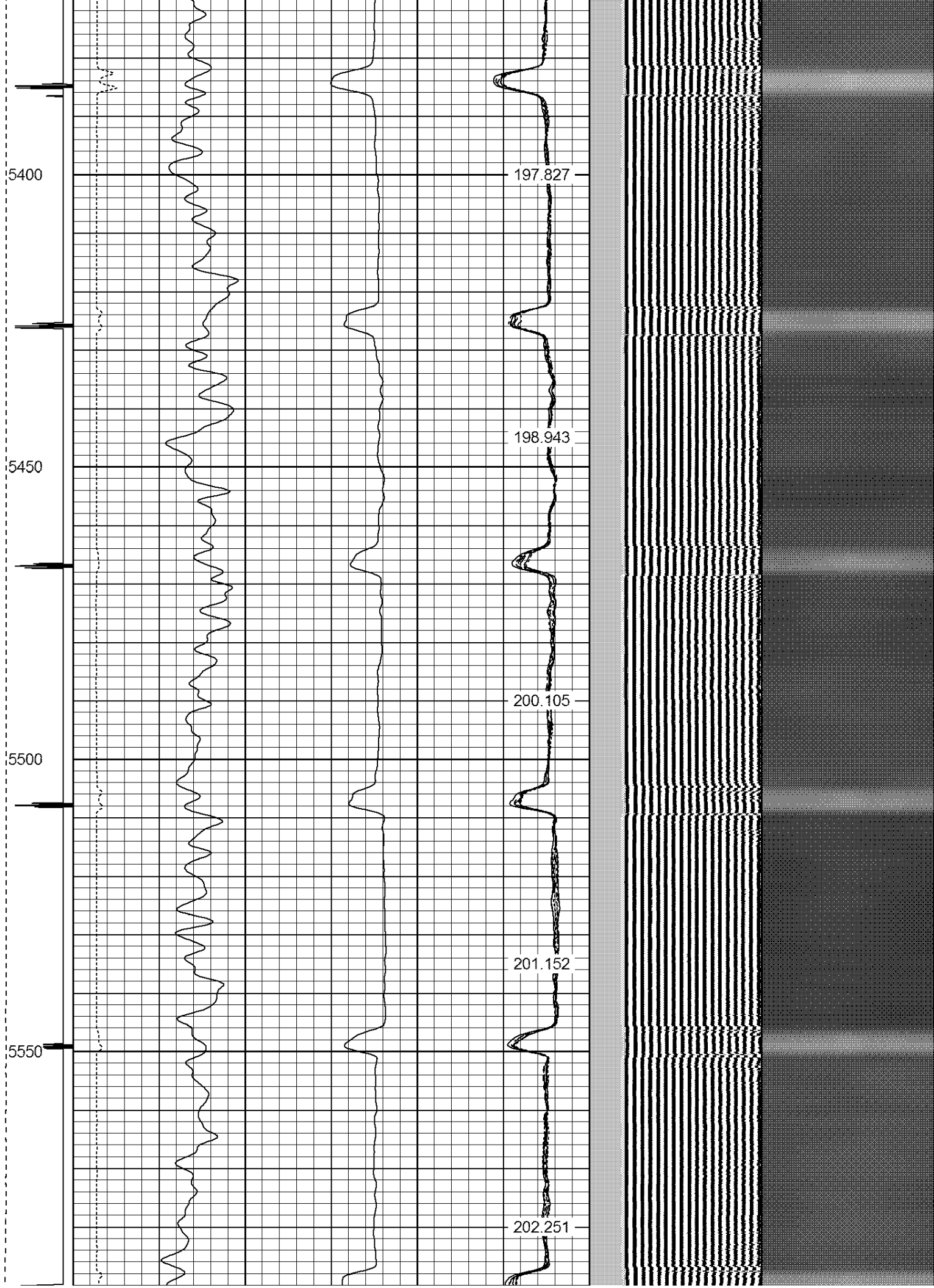
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185.843

186.831







5600

5650

5700

5750

5800

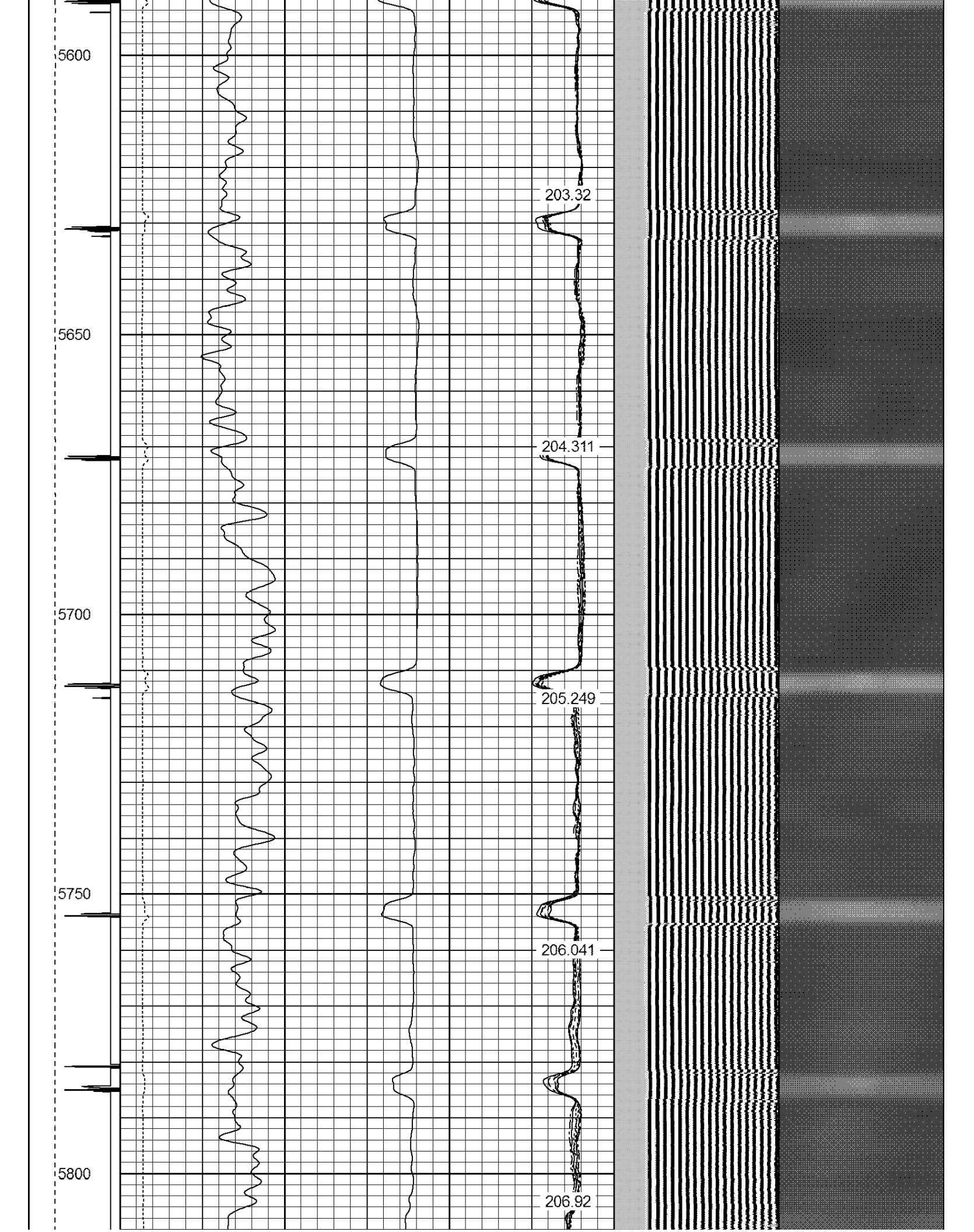
203.32

204.311

205.249

206.041

206.92



5850

5900

5950

6000

207.953

208.899

209.933

210.799

211.550

6050

6100

6150

6200

6250

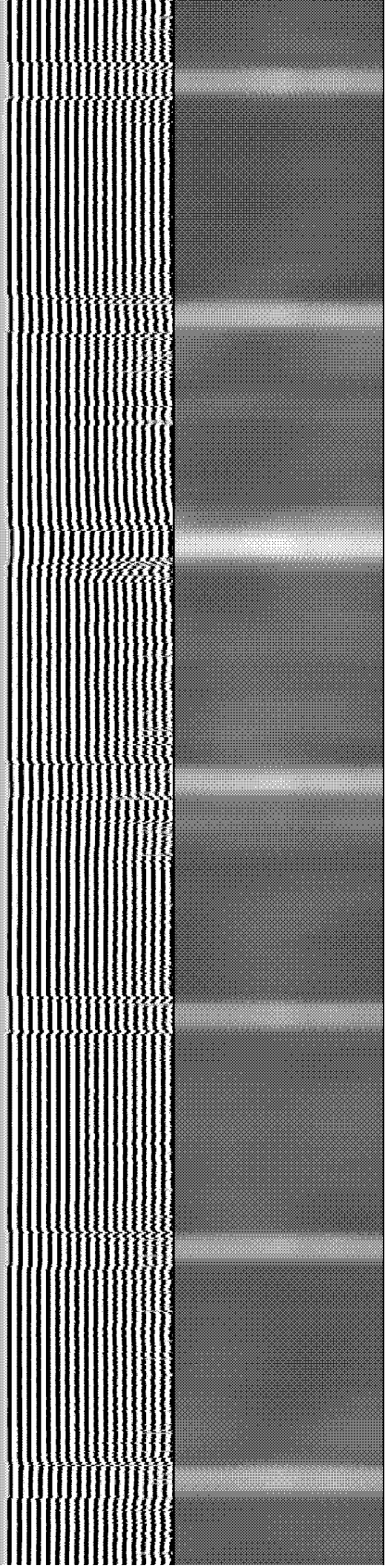
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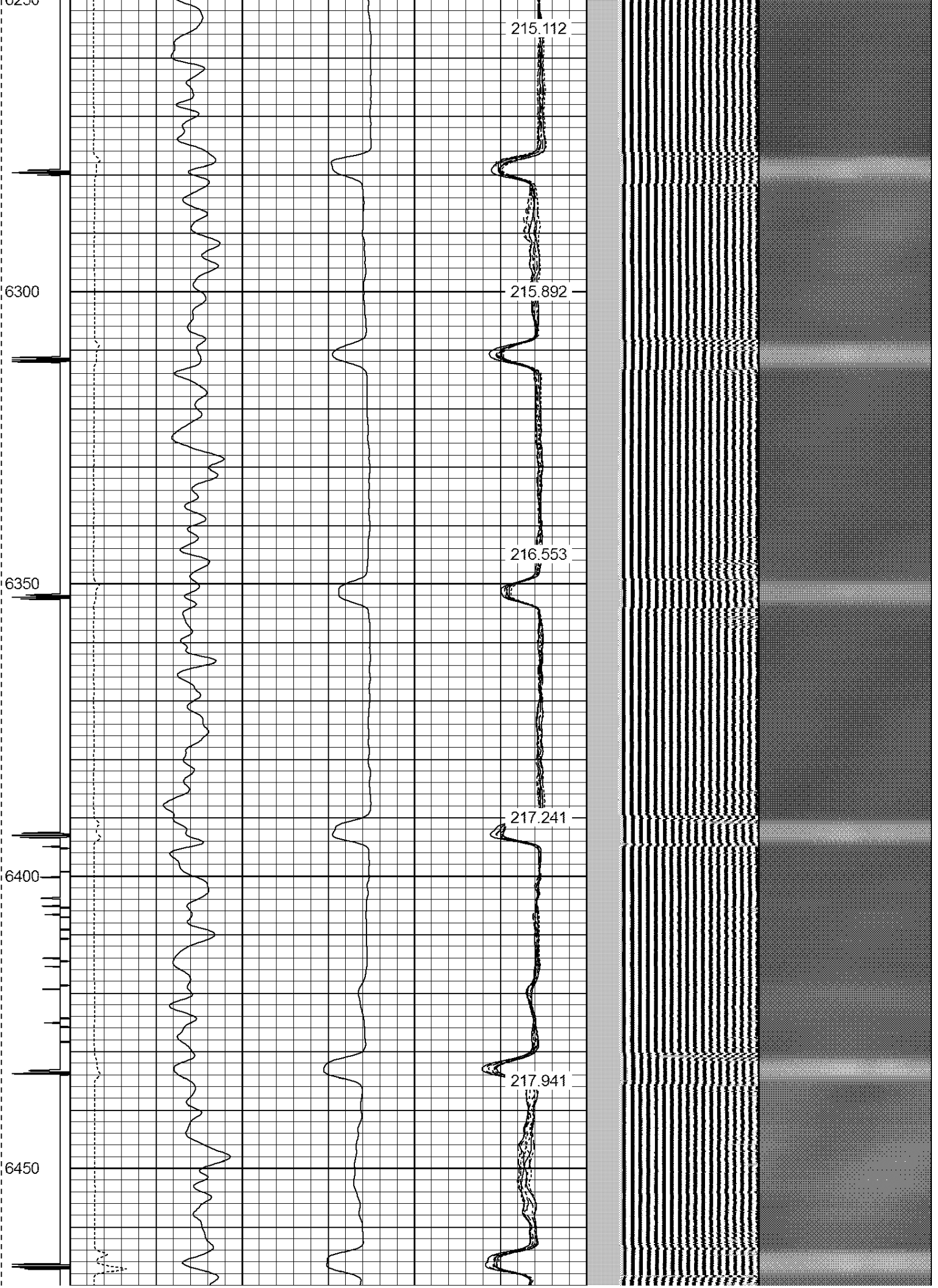
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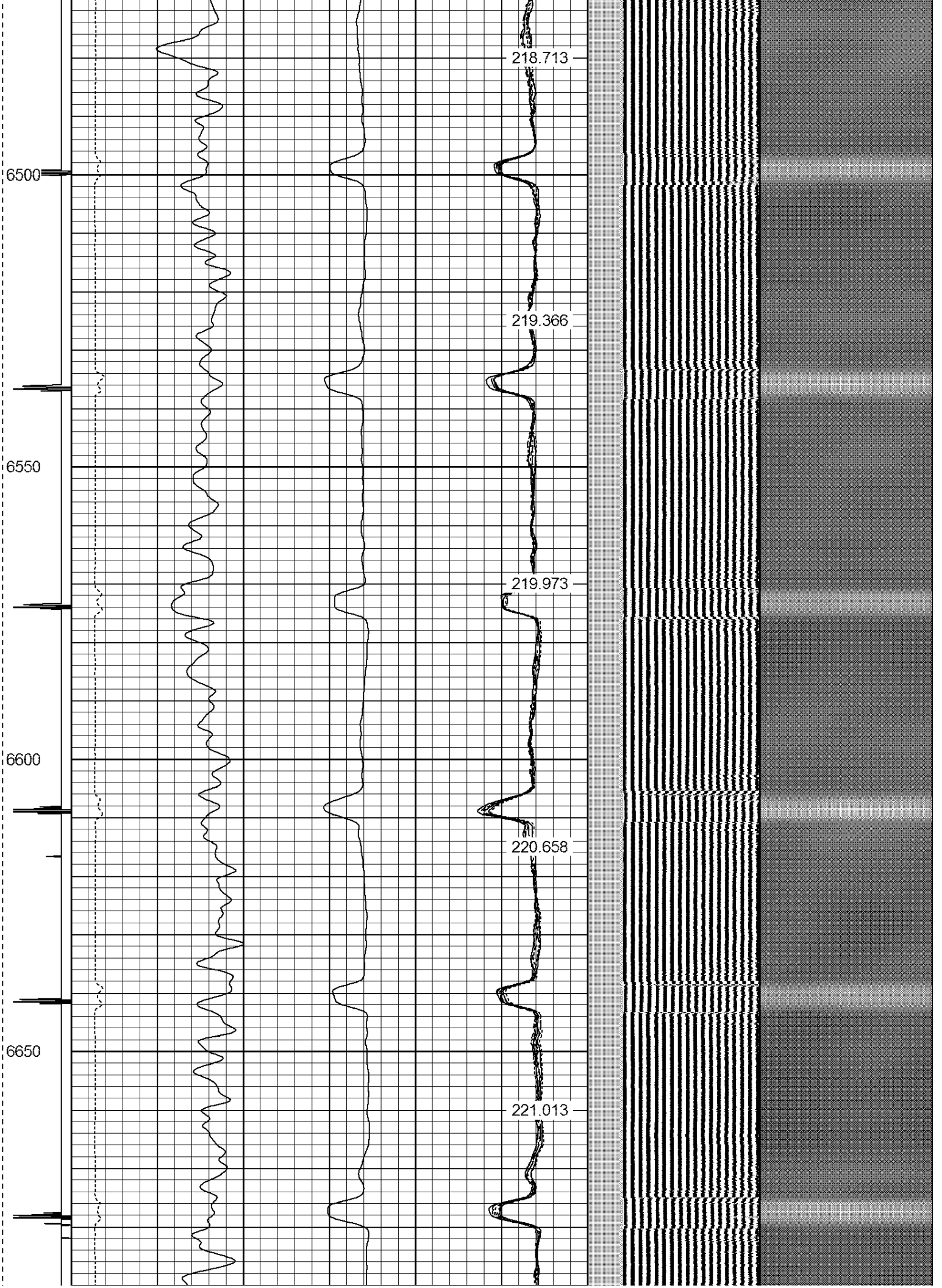
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213.448

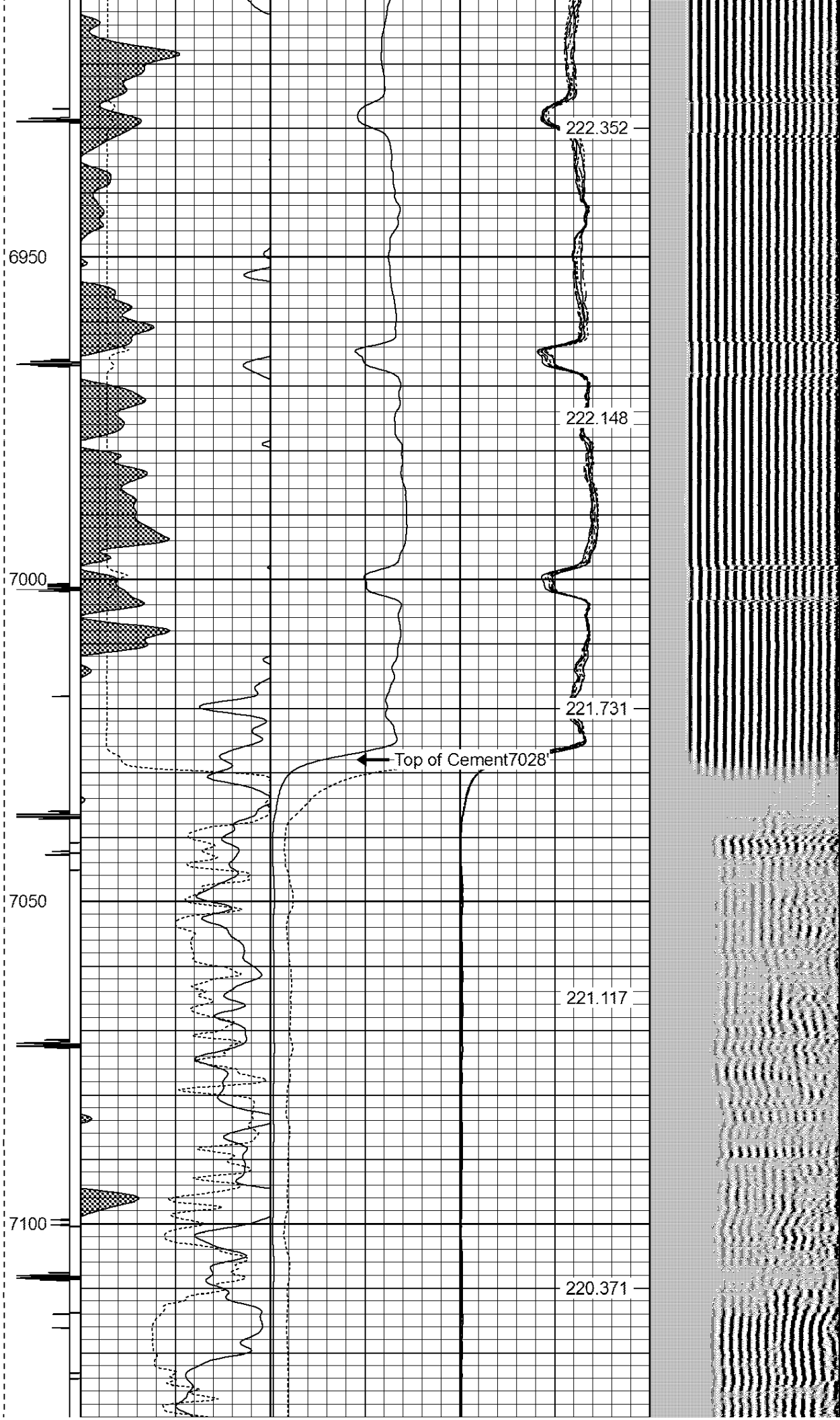
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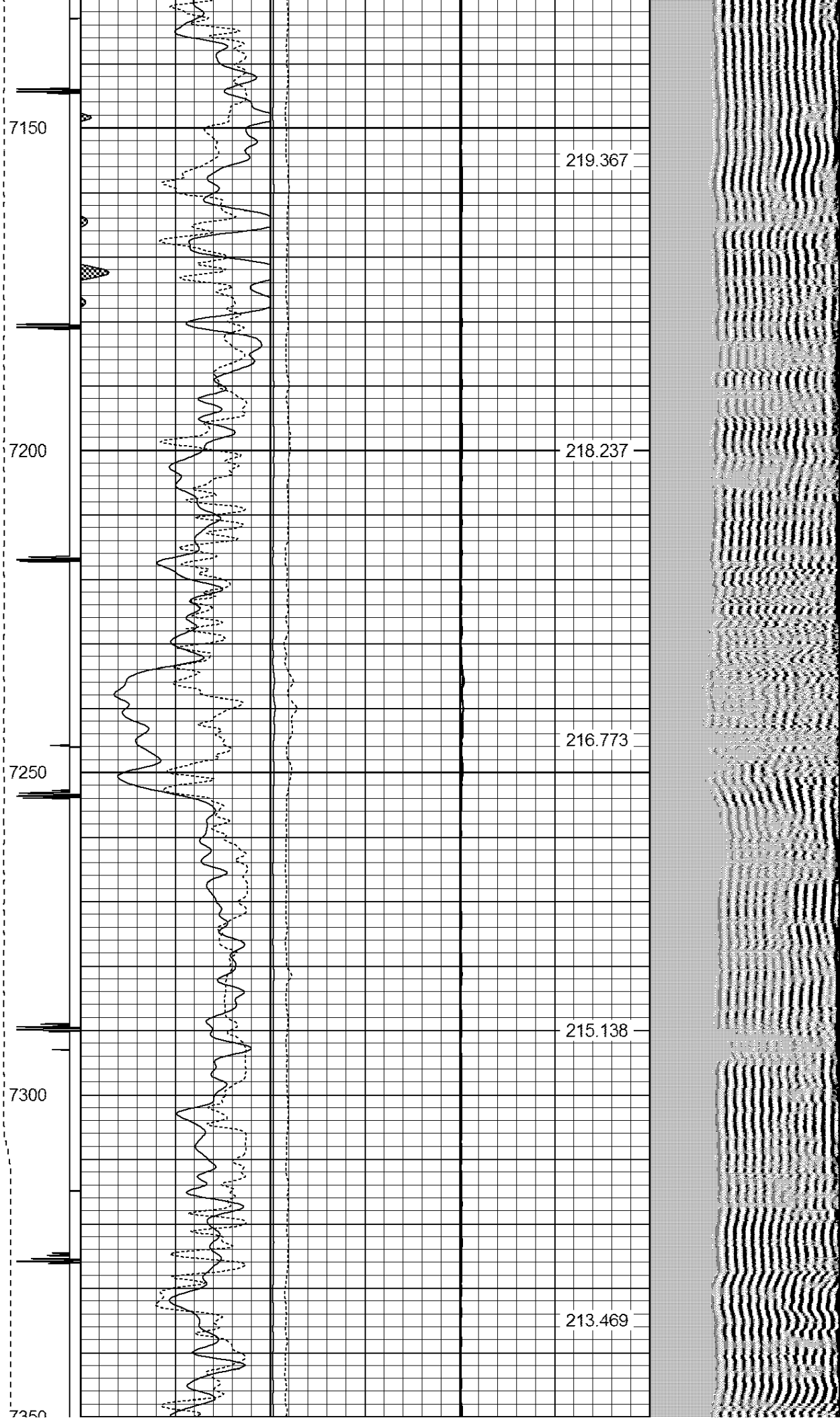


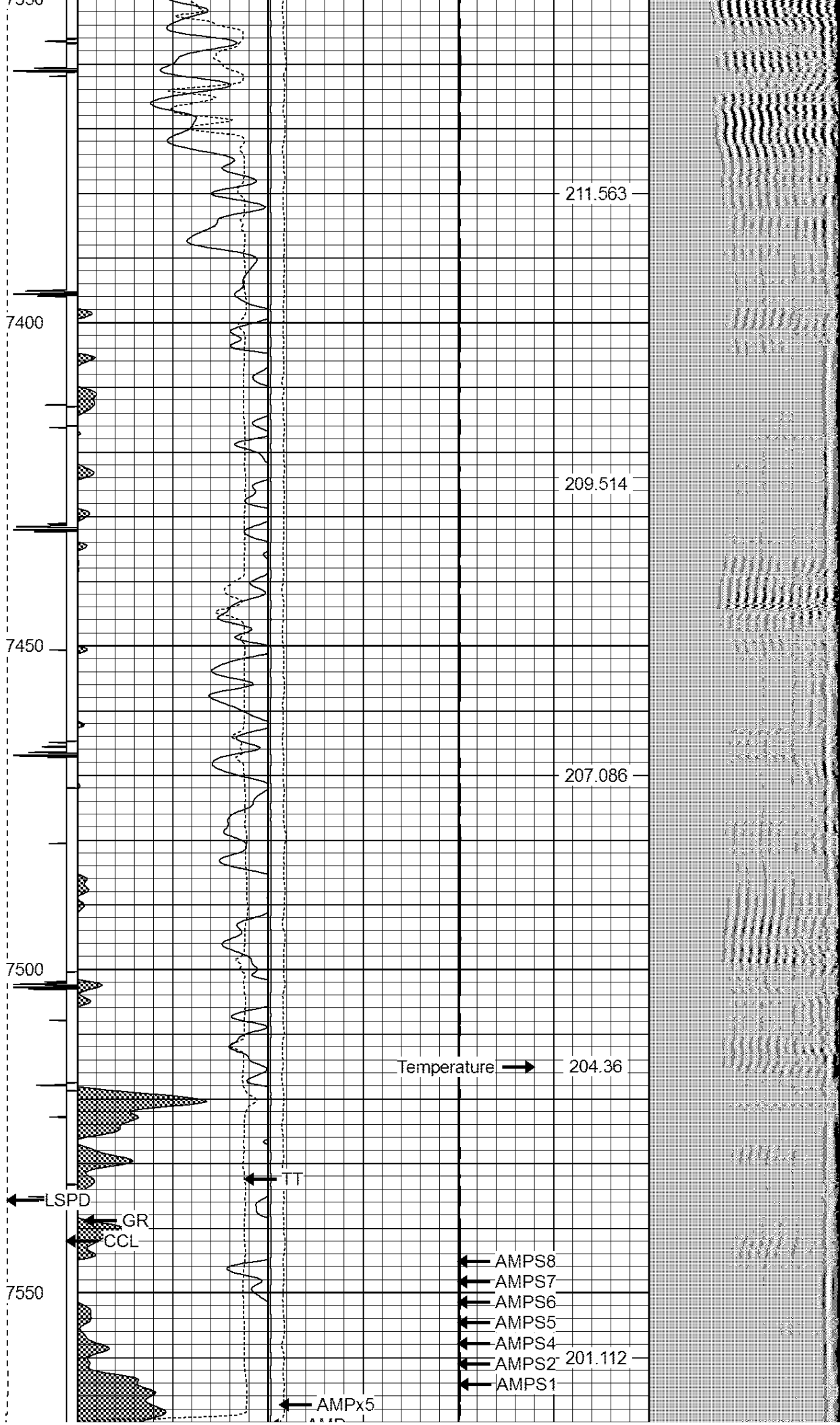


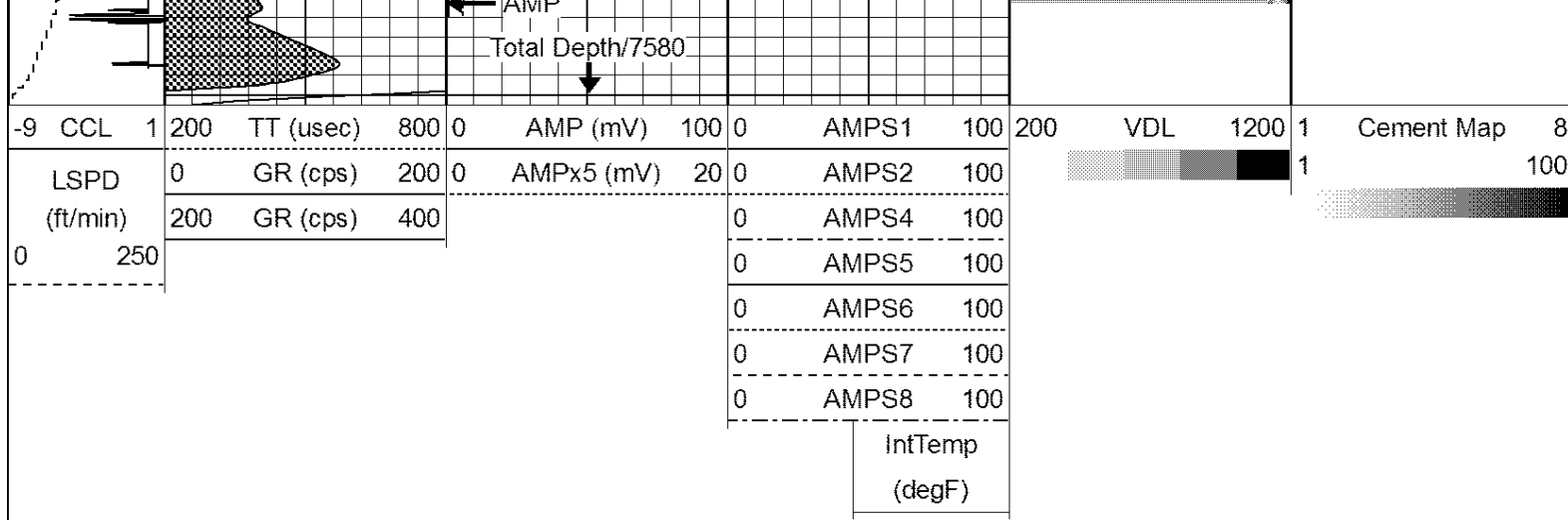














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