



**RADIAL CEMENT BOND  
GAMMA RAY  
CCL**

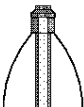
Company BAYSWATER		Company BAYSWATER					
Well MOJACK I-28HN		Well MOJACK I-28HN					
Field WATTENBURG		Field WATTENBURG					
County WELD		County WELD					
State COLORADO		State COLORADO					
Location: SHL: 230' FNL 1806' FEL		API # : 05-123-39826					
SEC 28 TWP 7N RGE 64W		Other Services					
Permanent Datum	GL	Elevation	4718'				
Log Measured From	KB 23'						
Drilling Measured From	KB						
Date 2/3/2015		Elevation					
Run Number	ONE	KB. 4741'					
Depth Driller	11666'	D.F. 4740'					
Depth Logger	6838'	G.L. 4718'					
Bottom Logged Interval	6830'						
Top Log Interval	SURFACE						
Open Hole Size	8.75						
Type Fluid	WATER						
Density / Viscosity	1						
Max. Recorded Temp.	212 DEG F						
Estimated Cement Top	36'						
Time Well Ready	N/A						
Time Logger on Bottom	N/A						
Equipment Number	4740						
Location	GREELEY						
Recorded By	N.POLLOCK						
Witnessed By	J.FREED						
Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size	Wgt/Ft	Top	Bottom			
Surface String	9 5/8"	36#	SURFACE	792'			
Prot. String							
Production String	7"	26#	SURFACE	7328'			
Liner	4 1/2"	11 6#	6741'	11662'			

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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.

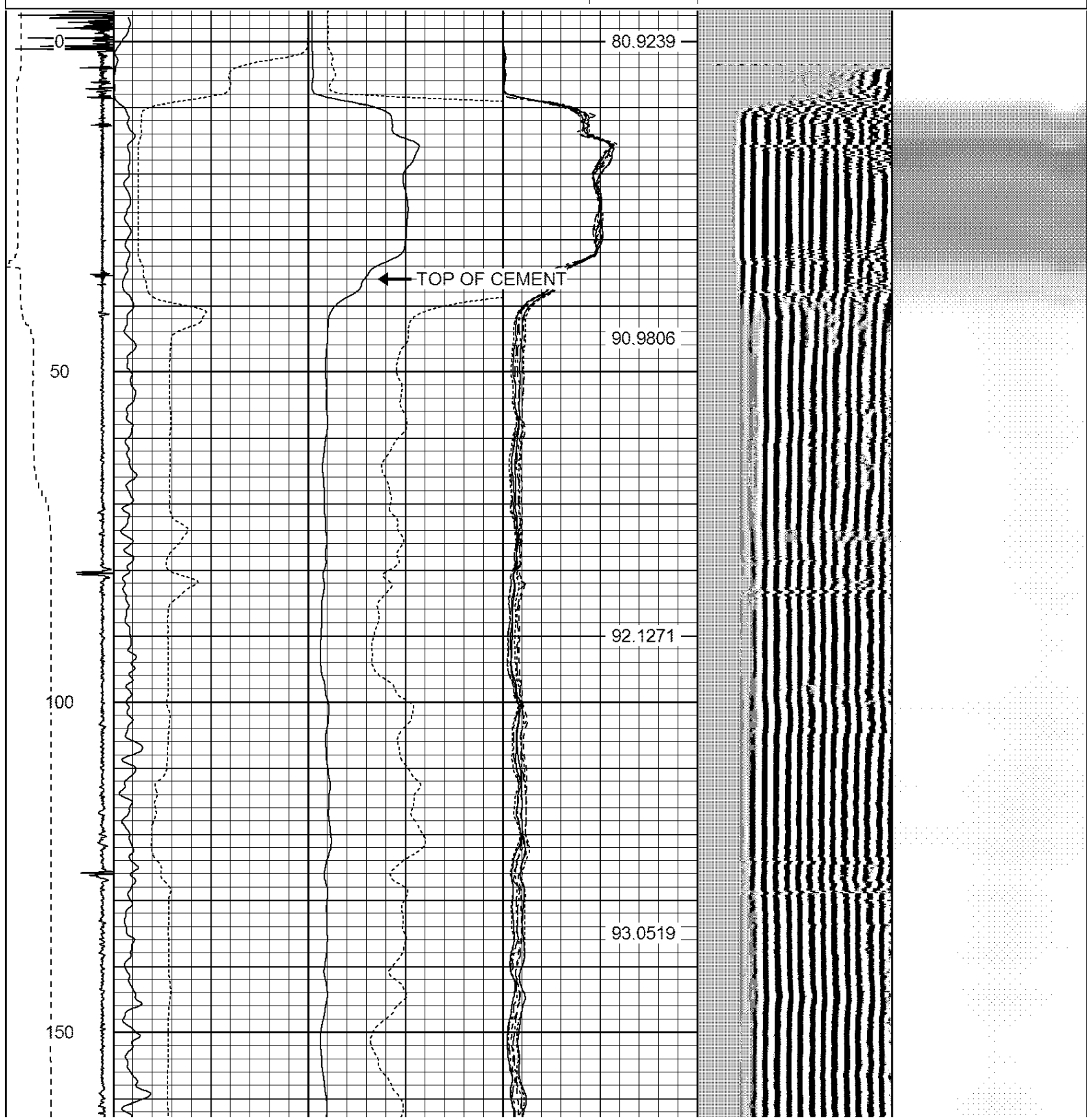
Comments

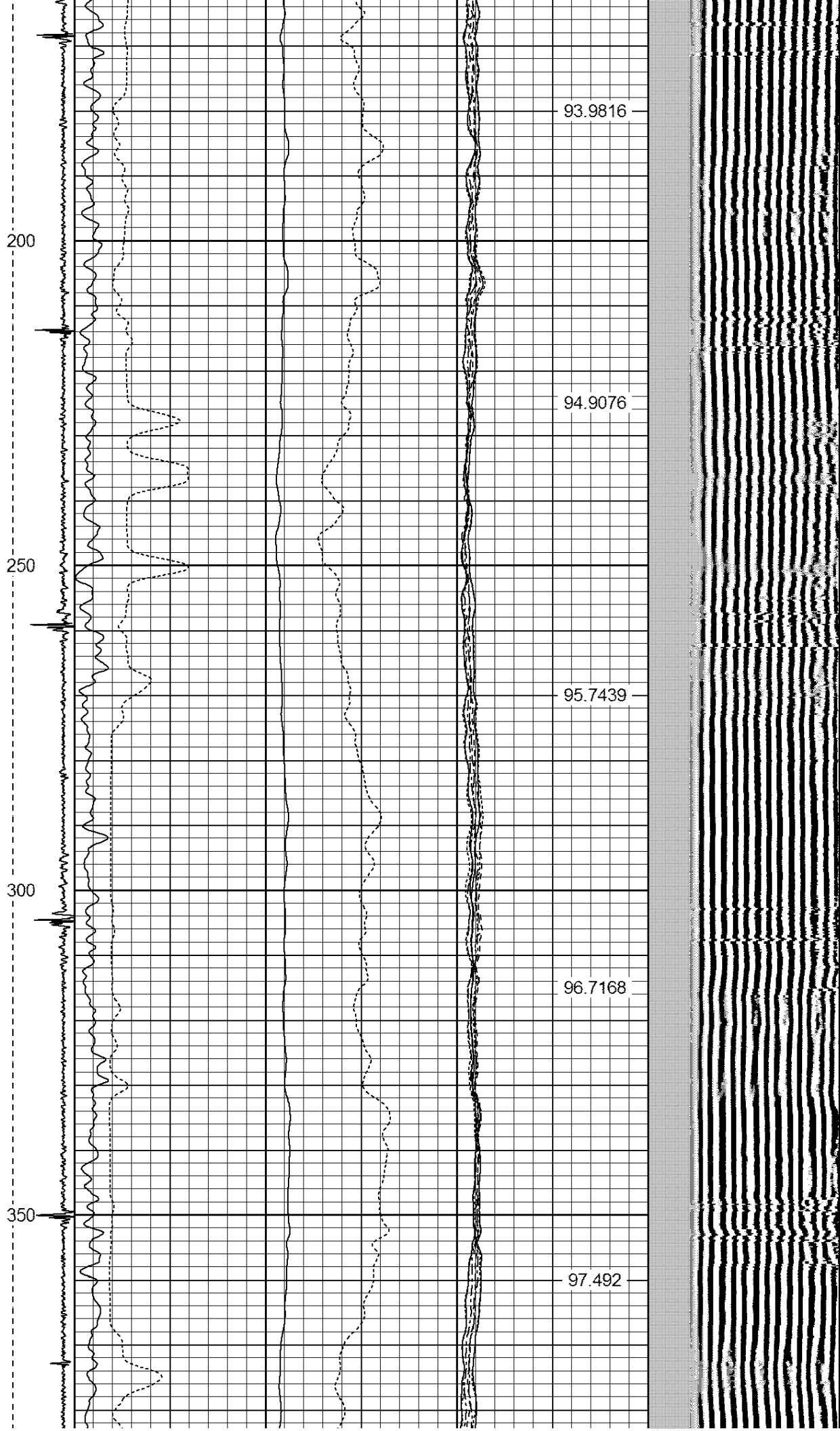
CORRELATED TO LINER TOP  
CBL RAN UNDER 1000 POUNDS OF PRESSURE  
  
THANK YOU FOR USING WARRIOR!

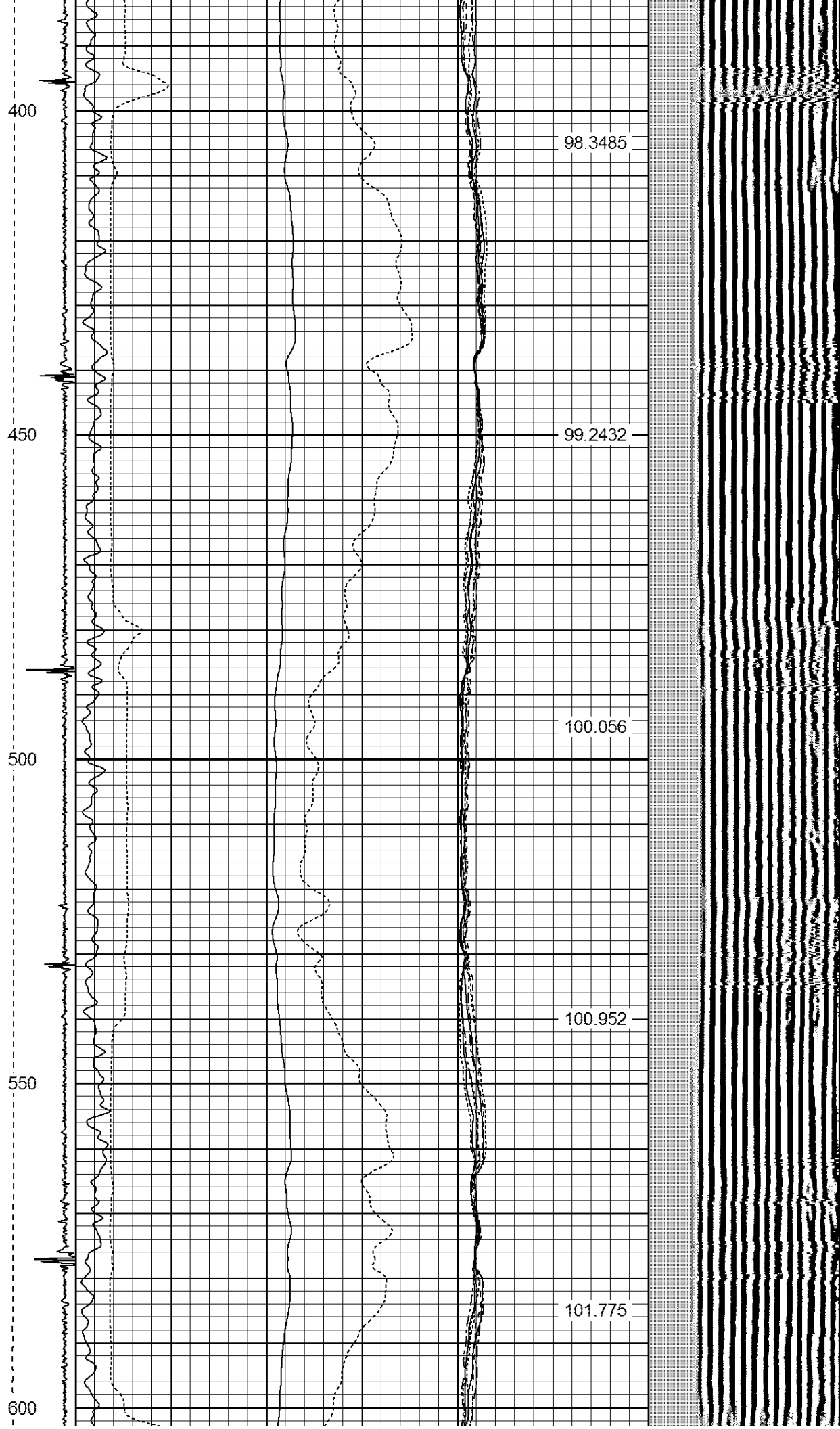
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
						

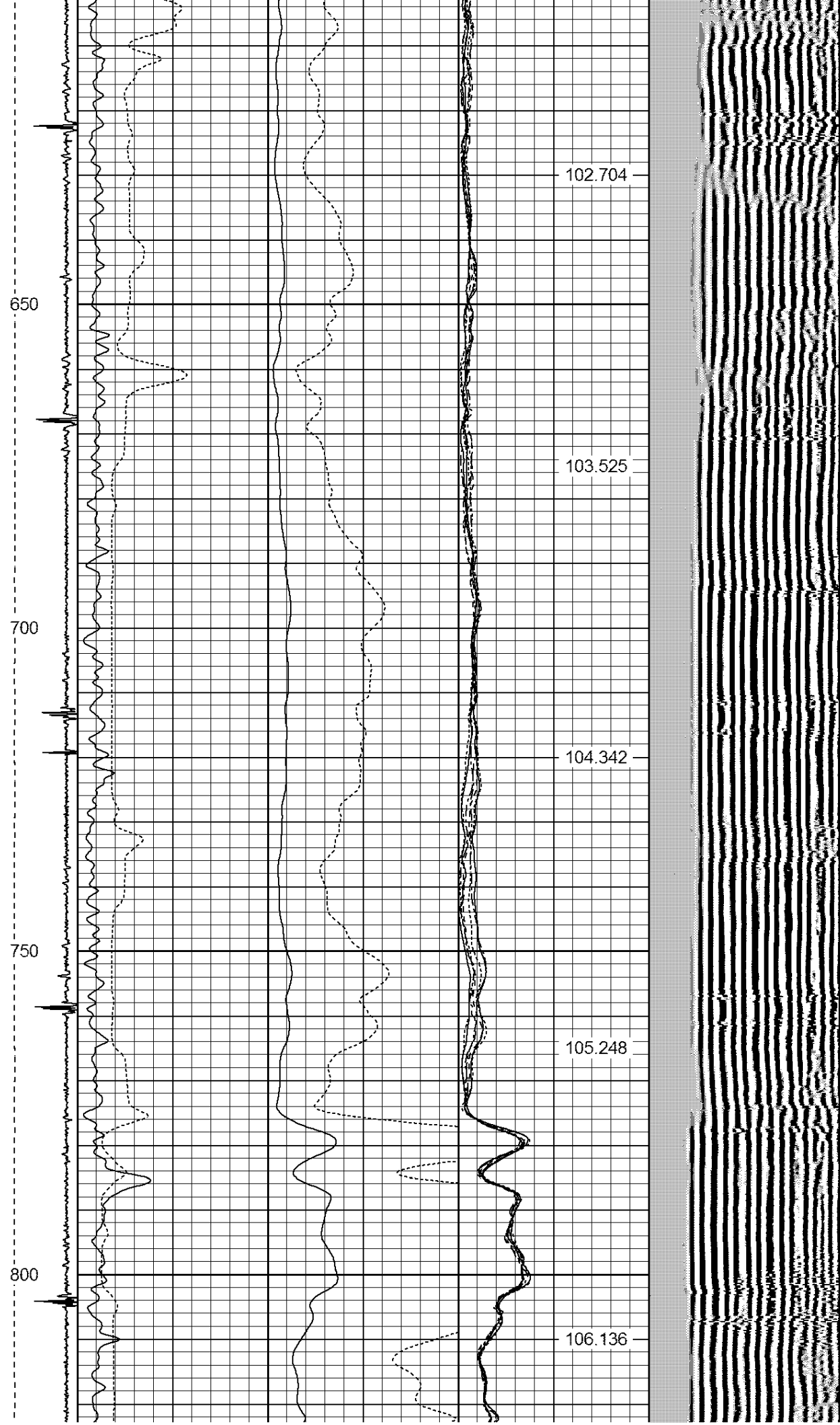
Tool Joint	Tool Joint Length (ft)	Tool Joint Weight (lb)	Tool Joint O.D. (in)	Tool Joint Type	Tool Joint Weight (lb)	Tool Joint O.D. (in)	Tool Joint Type	Tool Joint Weight (lb)	Tool Joint O.D. (in)
HEADVOLT	16.25								
IntTemp	14.83								
WVFS3FT	11.58								
WVFCAL	11.58								
WVFS1	11.58								
WVFS2	11.58								
WVFS3	11.58								
WVFS4	11.58								
WVFS5	11.58								
WVFS6	11.58								
WVFS7	11.58								
WVFS8	11.58								
WVF5FT	10.58								
CNLSC	6.00								
CNSSC	5.17								
CCL	3.64								
GR	0.90								
<p>Dataset: mojack i-28hn.db: field/well/run1/pass2</p> <p>Total Length: 19.08 ft</p> <p>Total Weight: 160.00 lb</p> <p>O.D. 2.75 in</p>									

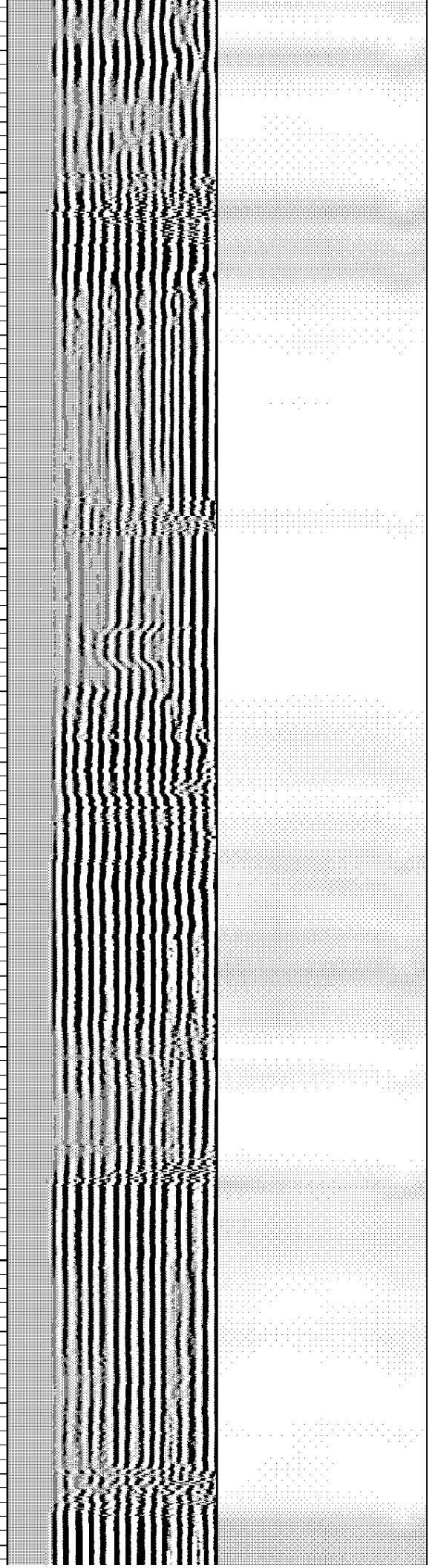
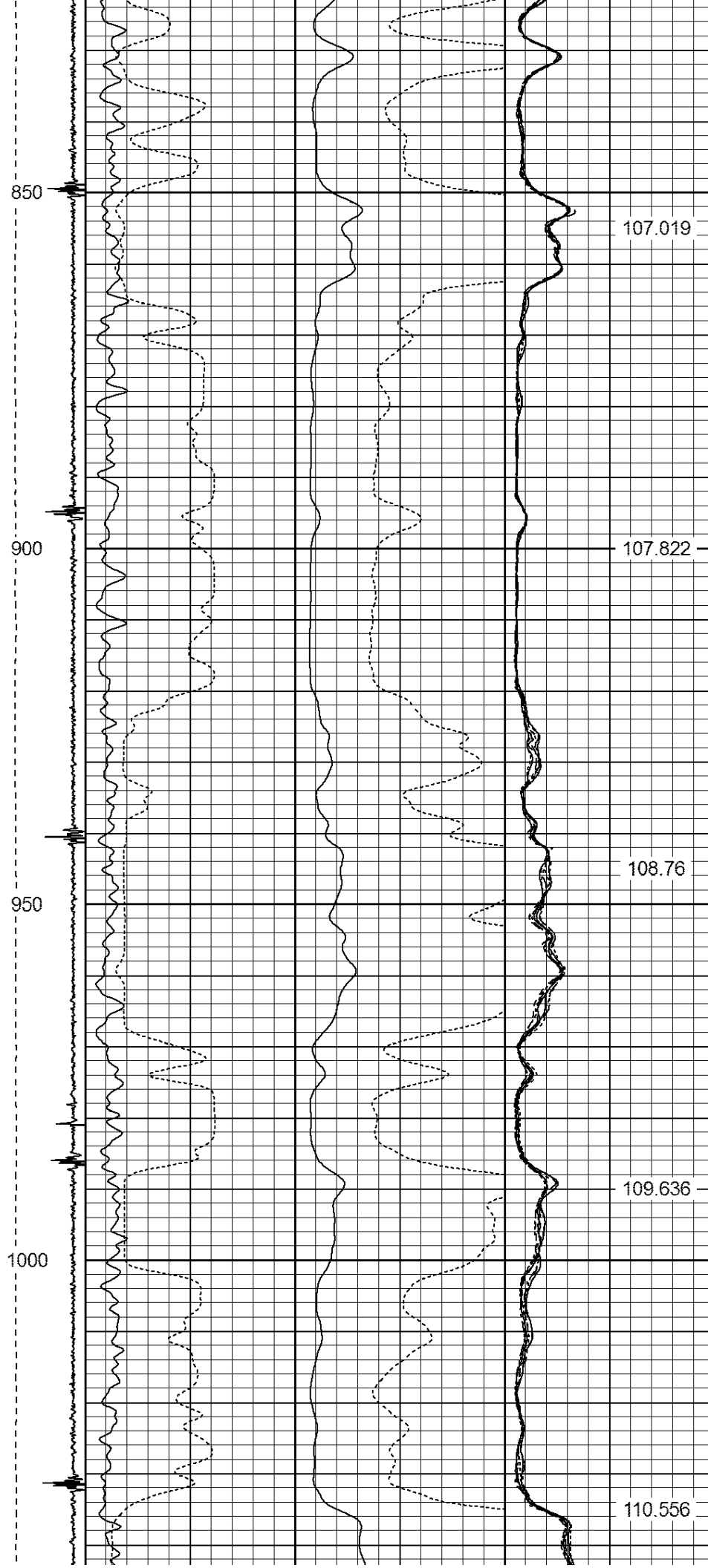
-9	CCL	1	200	TT (usec)	1000	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200	1	Cement Map	8	
LSPD (ft/min)	0	250	0	GR (GAPI)	200	0	AMPx5 (mV)	20	0	AMPS2	100					1		100
			200	GR (GAPI)	400				0	AMPS4	100							
								0	AMPS5	100								
								0	AMPS6	100								
								0	AMPS7	100								
								0	AMPS8	100								
										IntTemp (degF)								

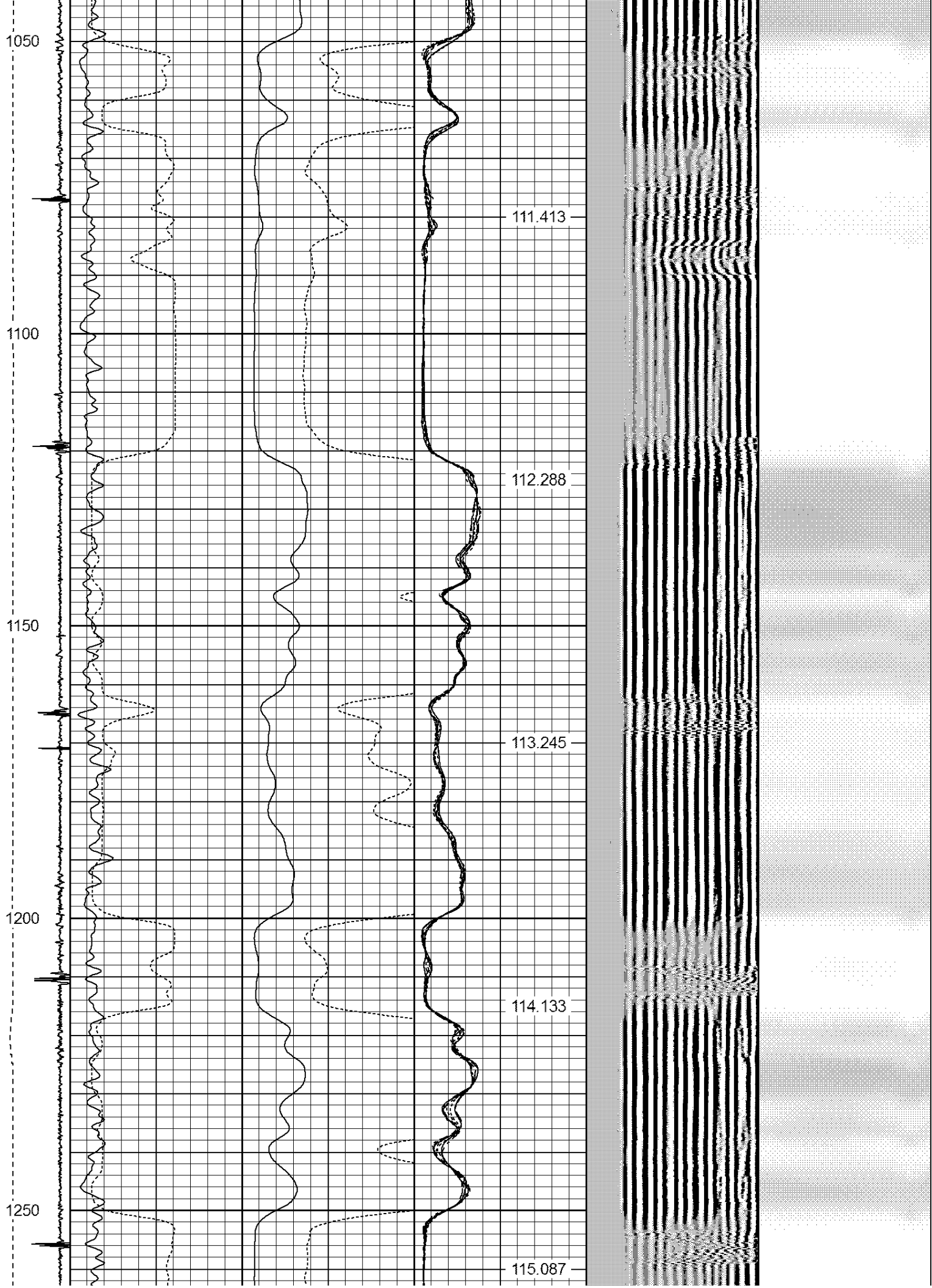














1300

1350

1400

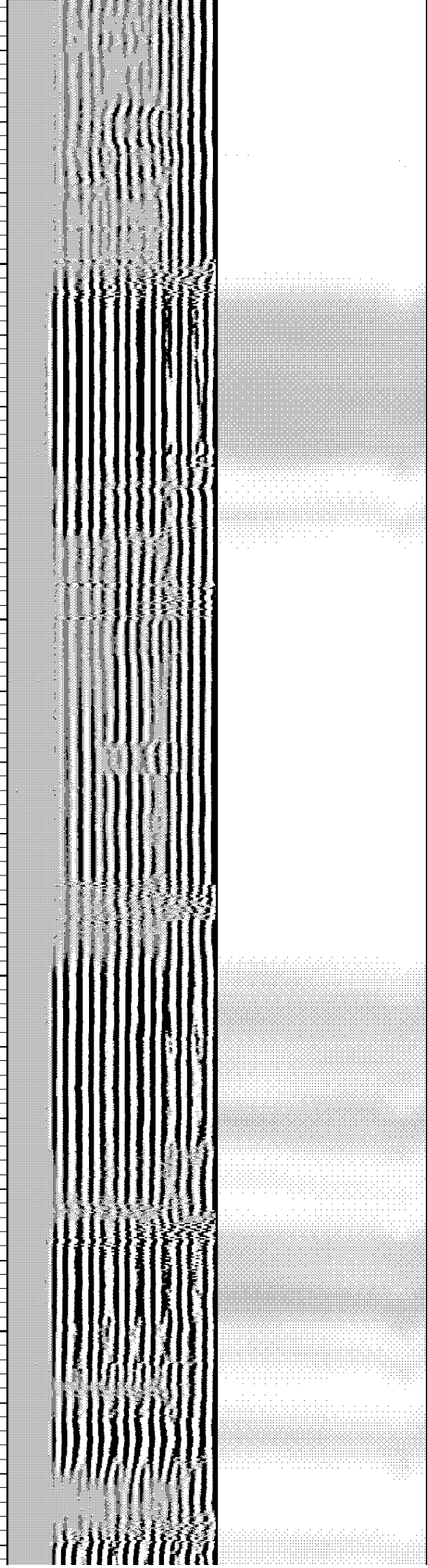
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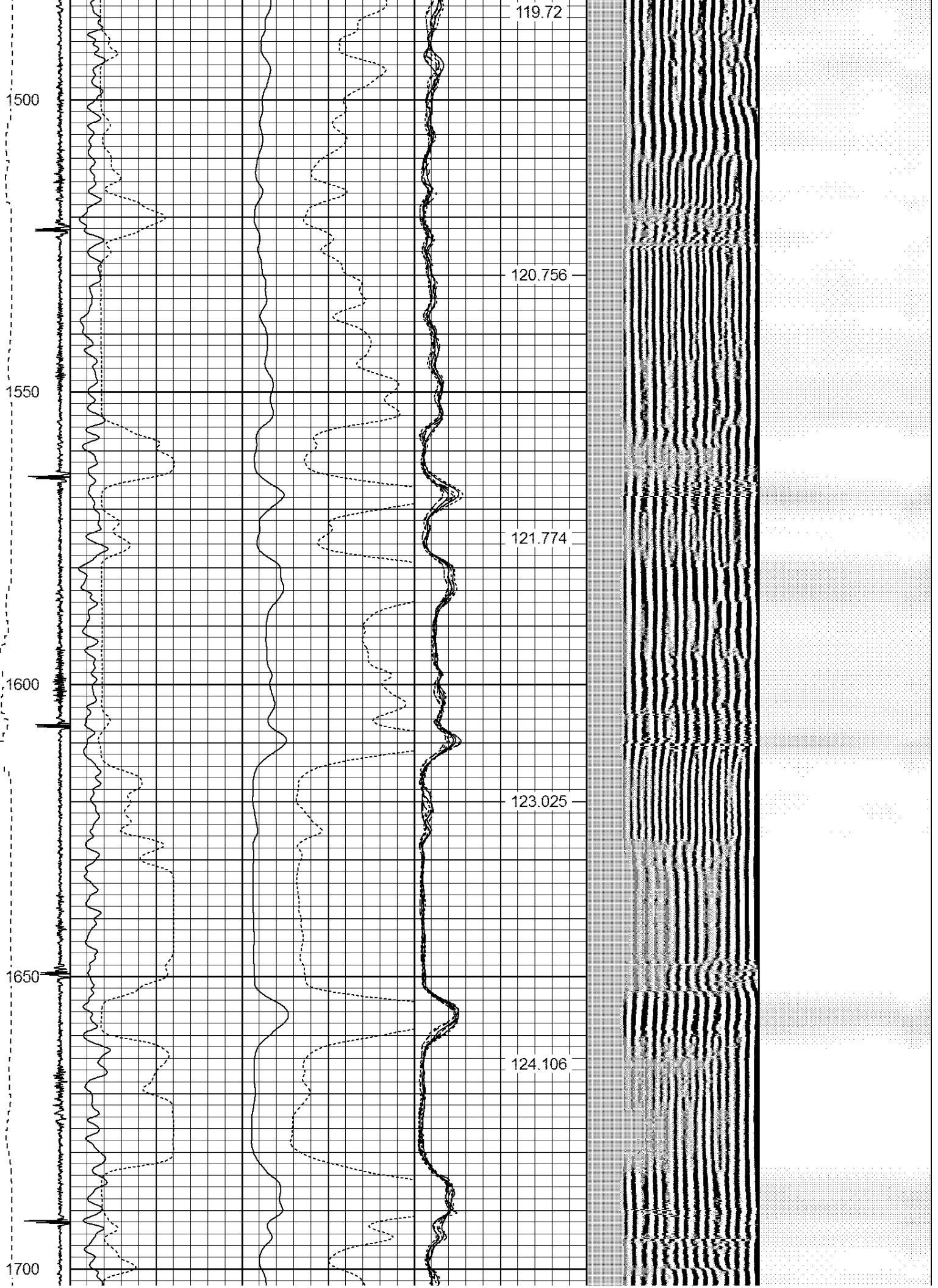
115.997

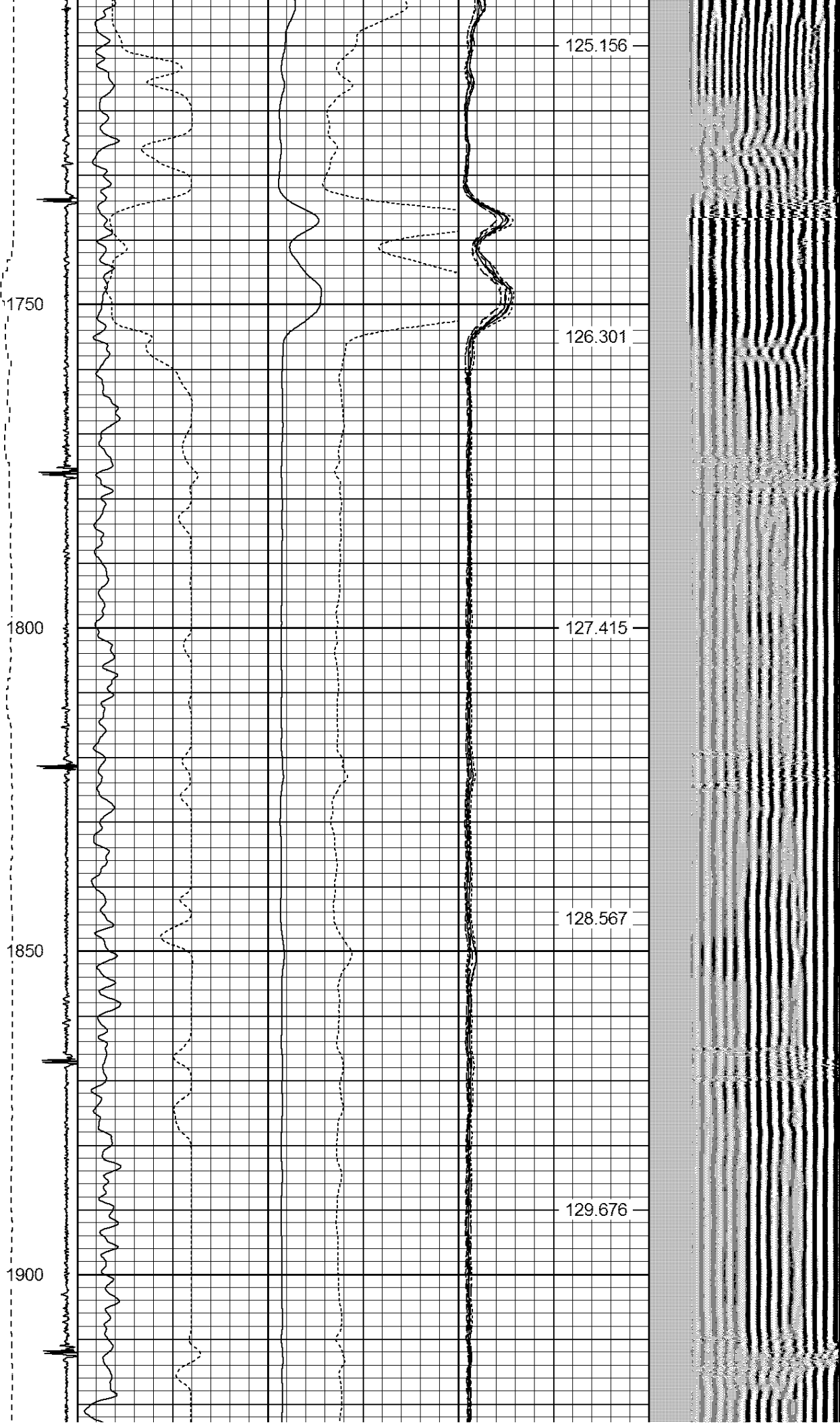
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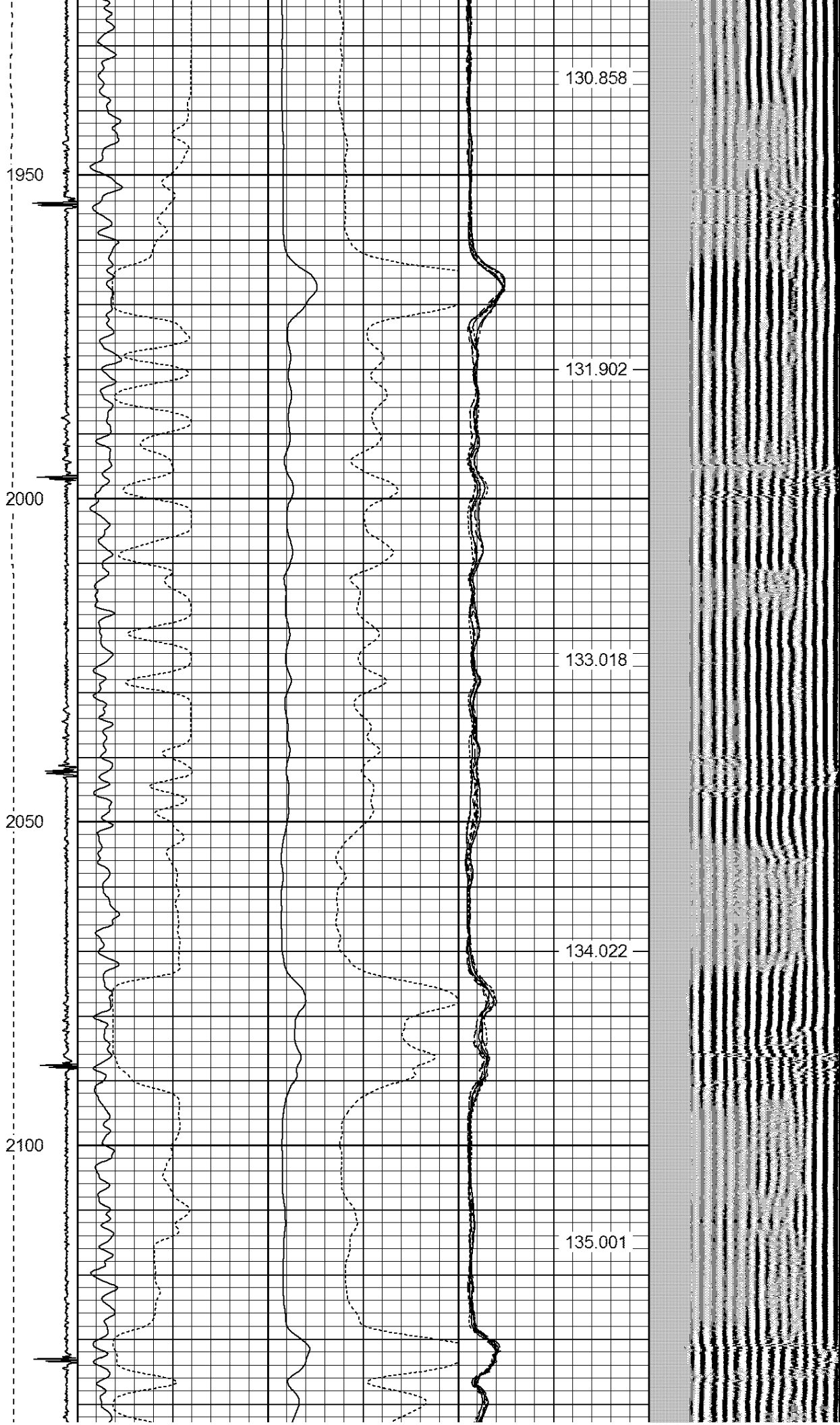
117.827

118.779









2150

2200

2250

2300

2350

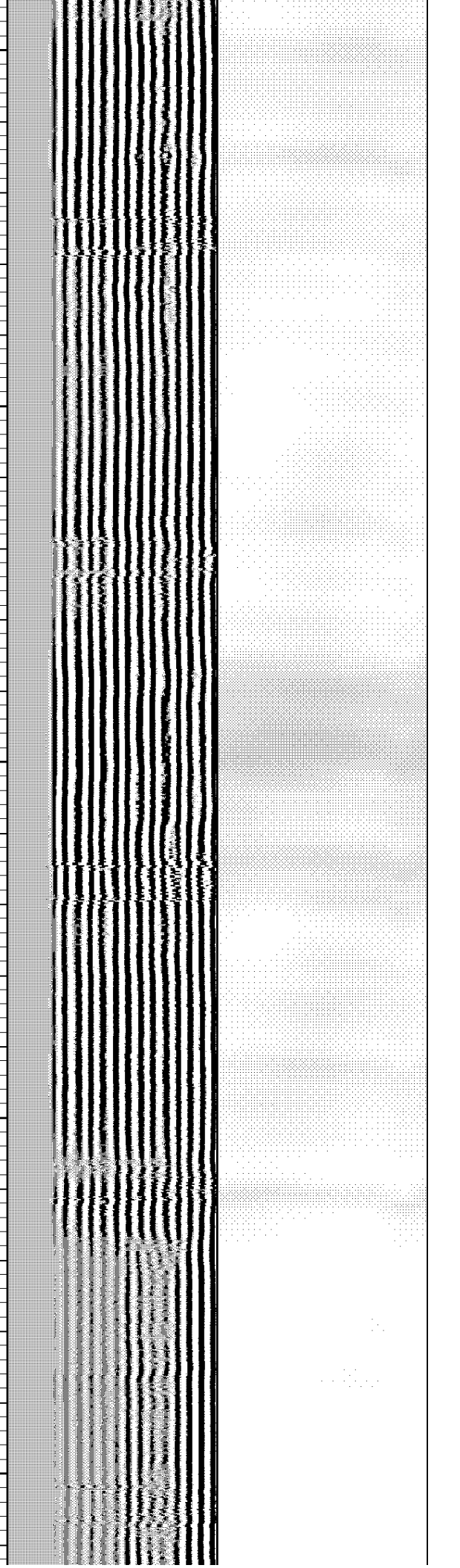
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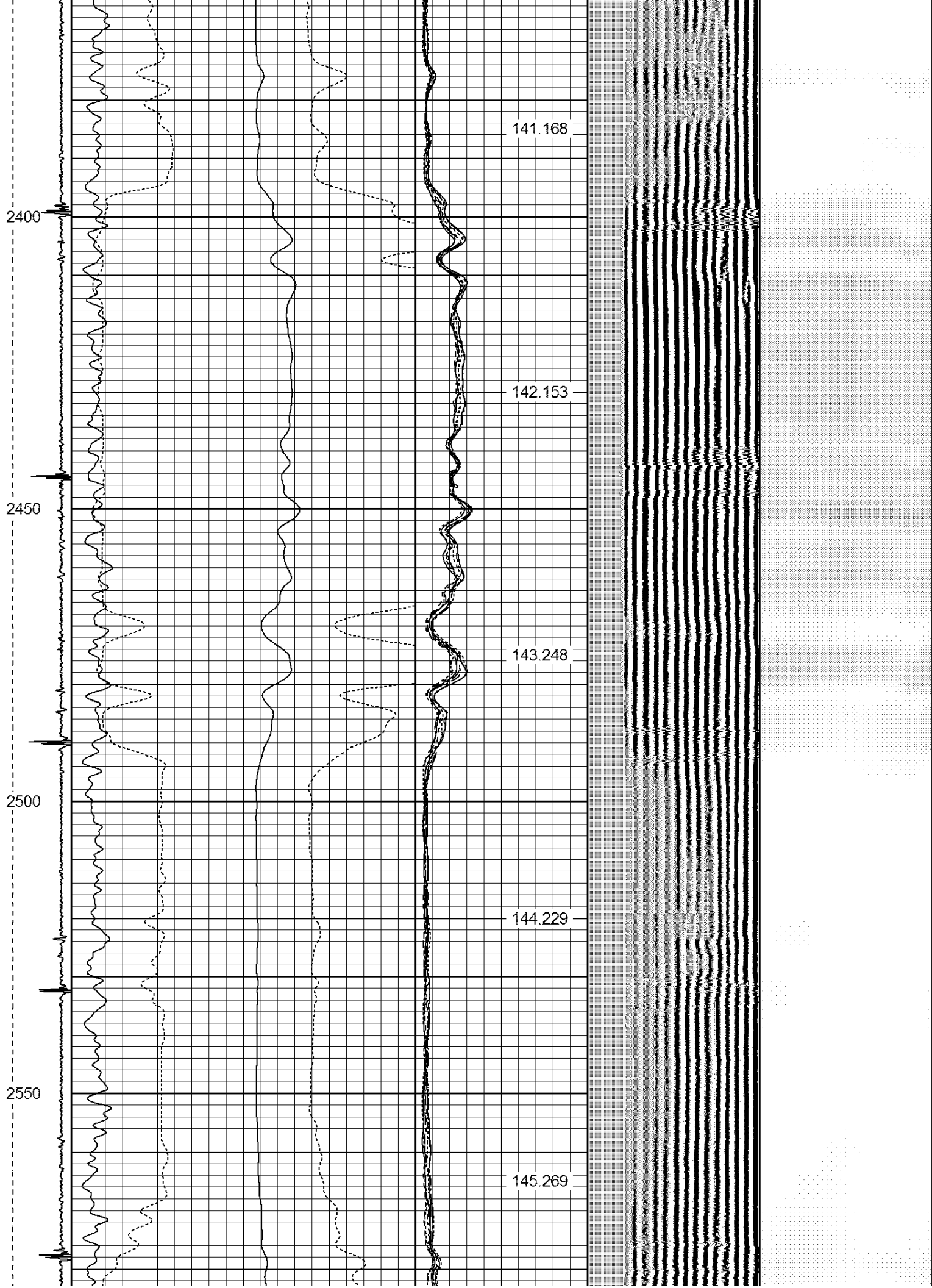
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138.065

139.107

140.135







2600

2650

2700

2750

2800

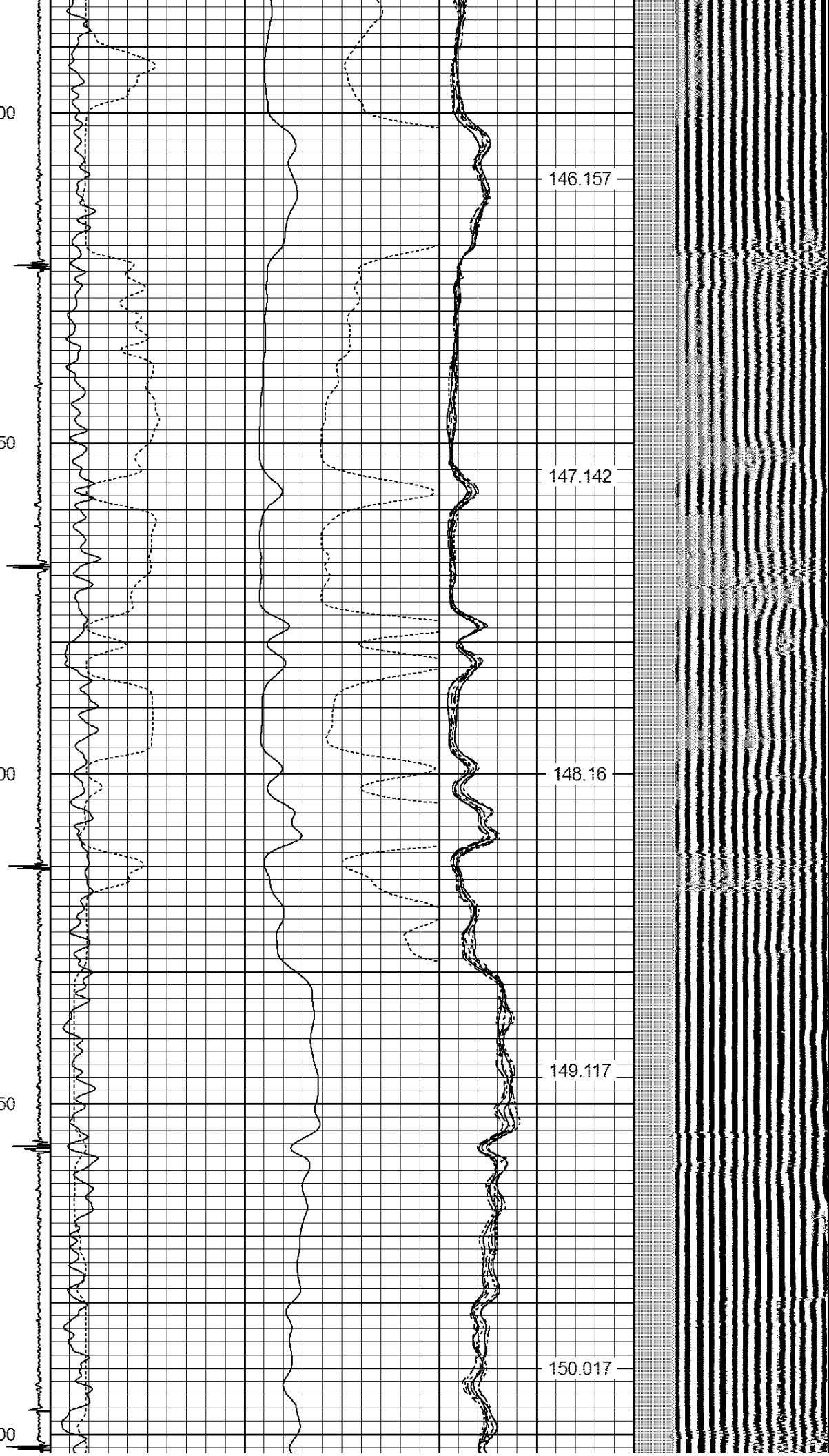
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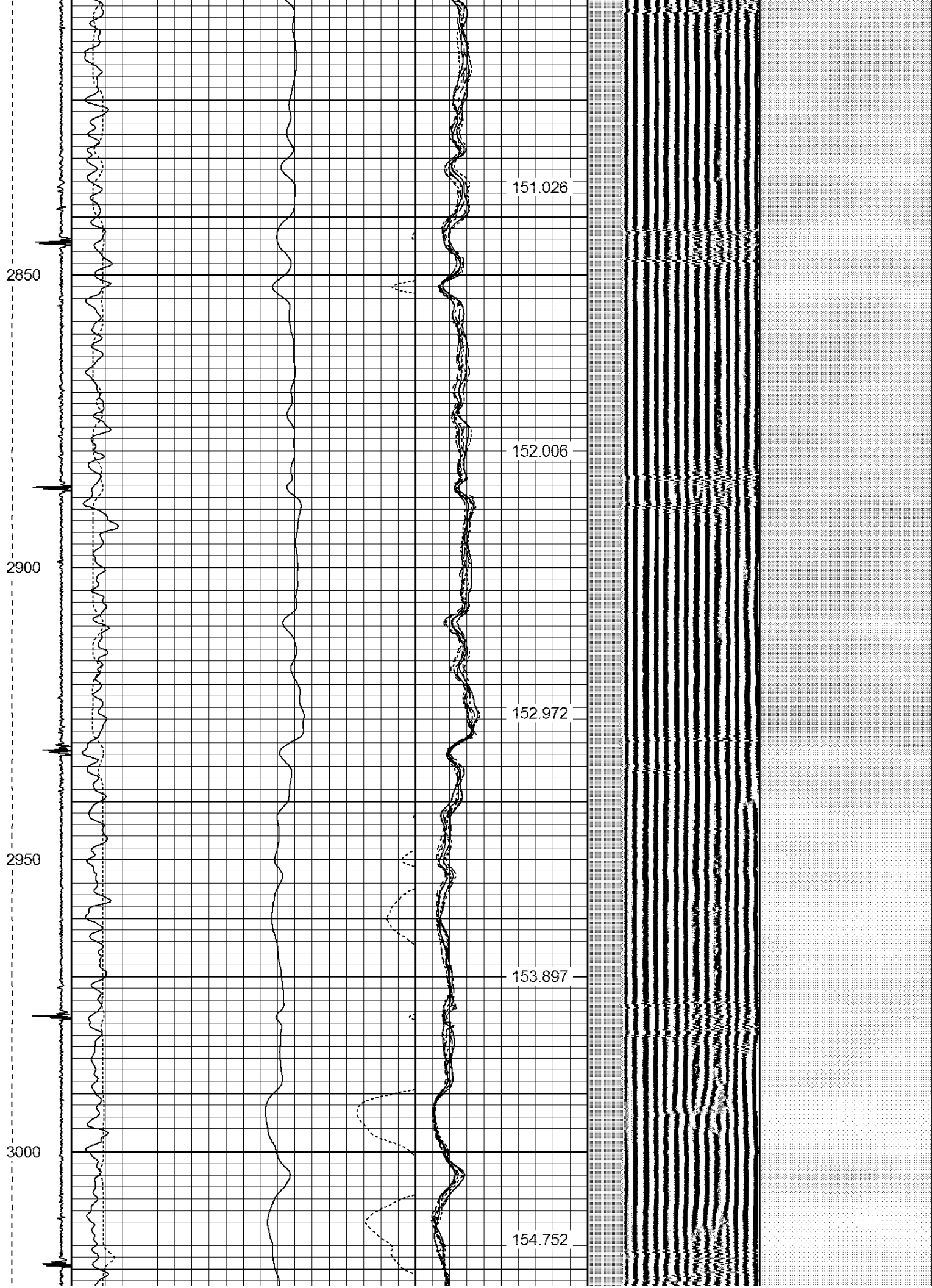
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148.16

149.117

150.017







3050

155.76

3100

156.738

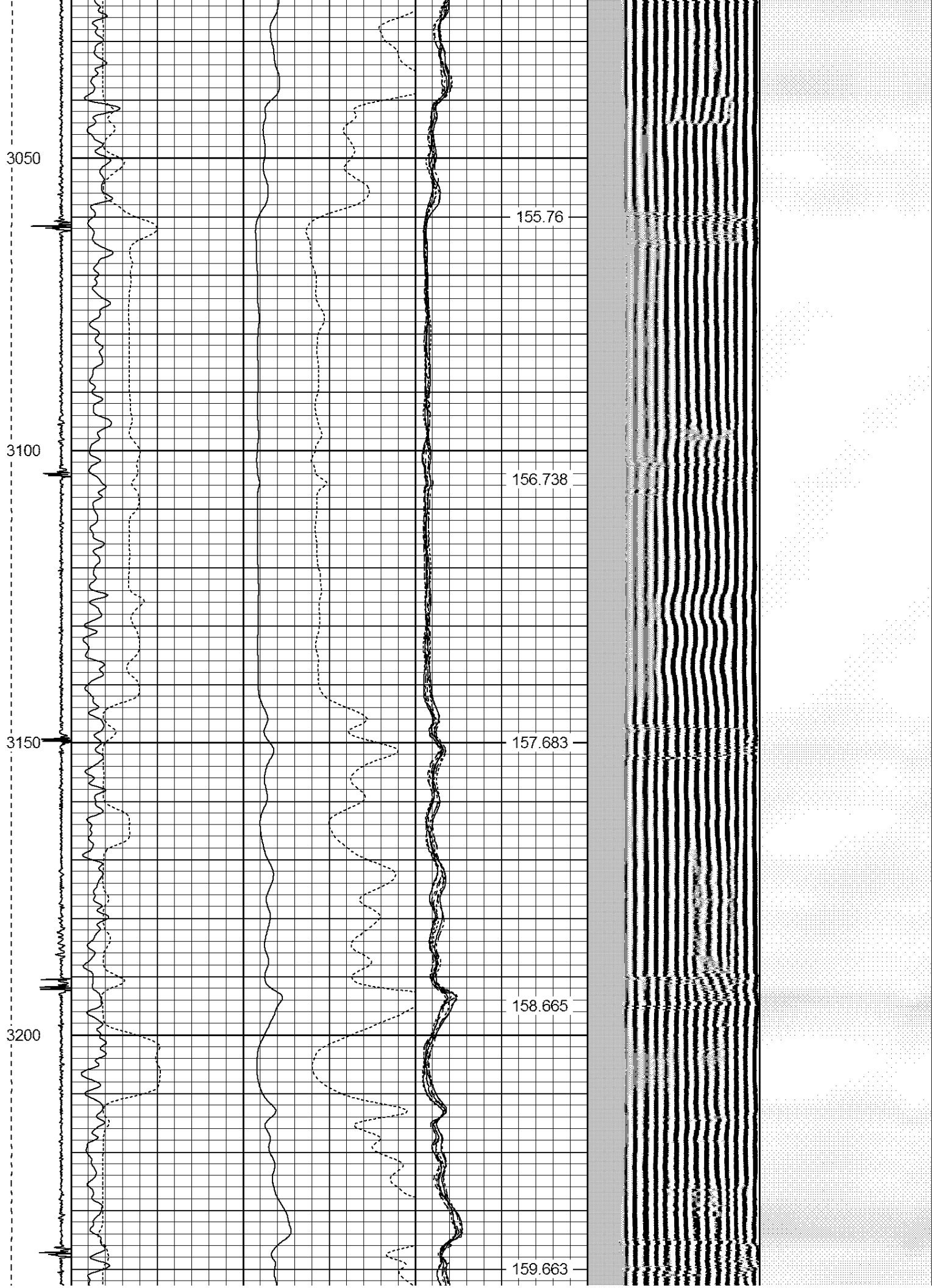
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157.683

3200

158.665

159.663



3250

3300

3350

3400

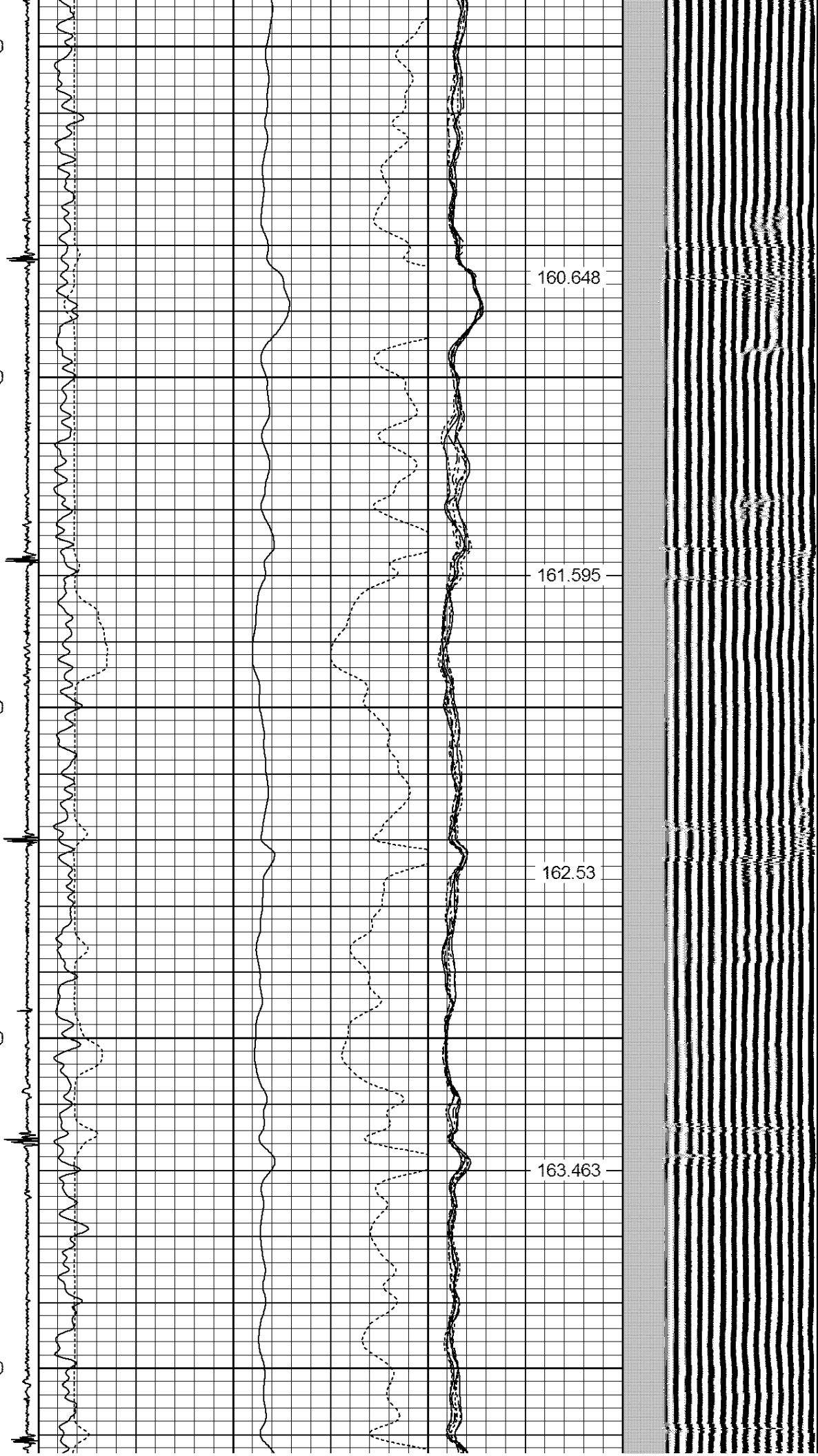
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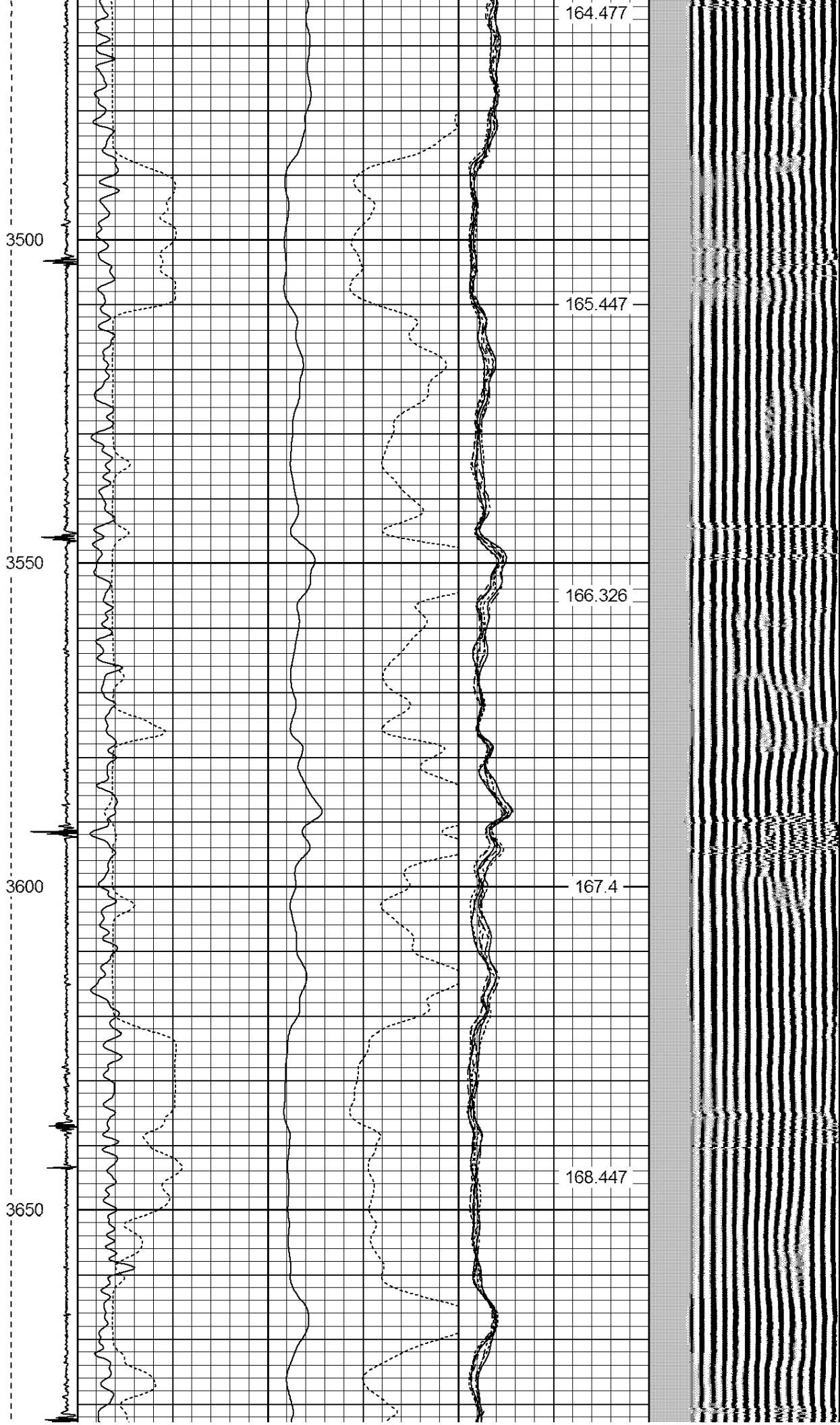
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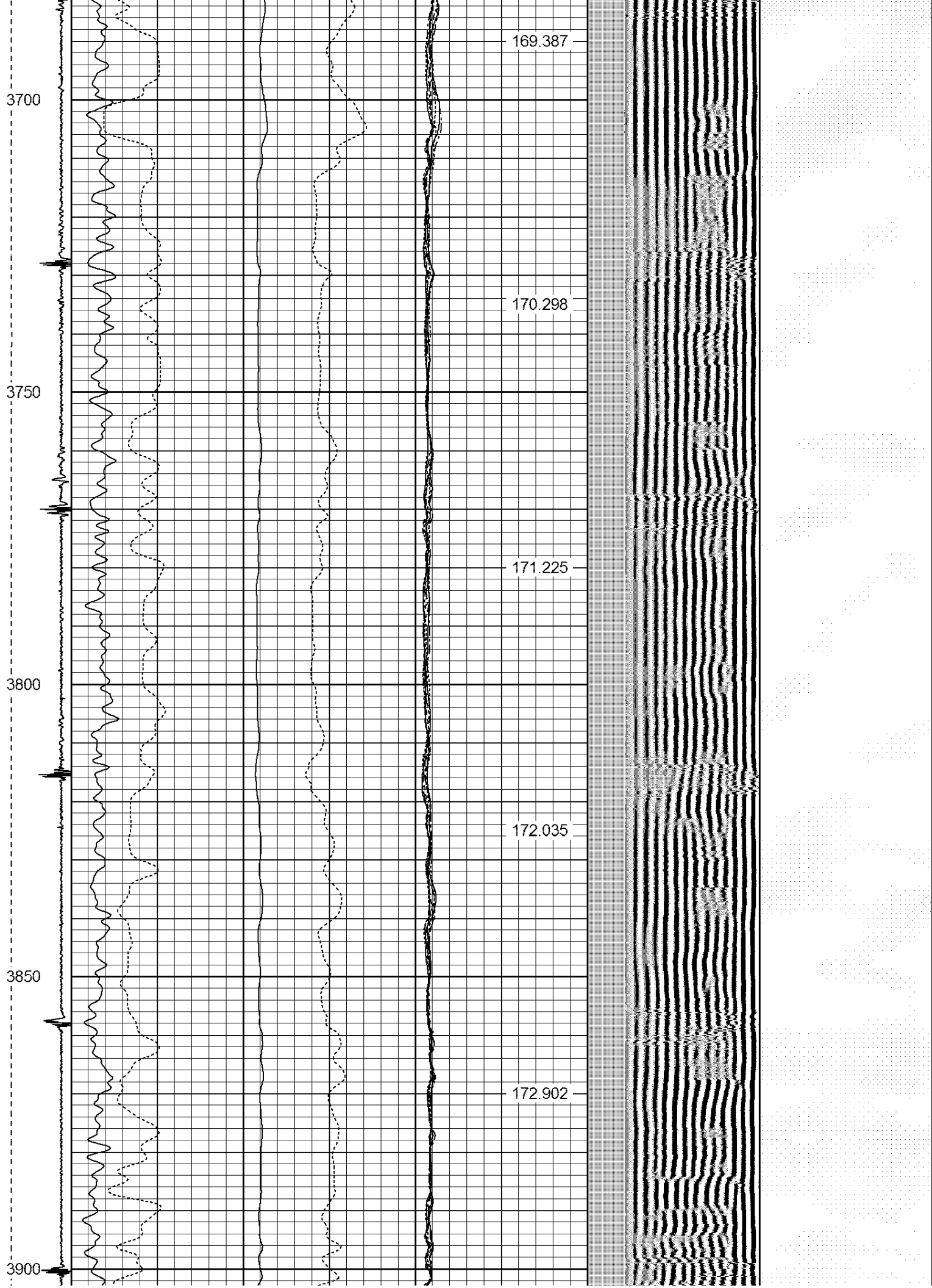
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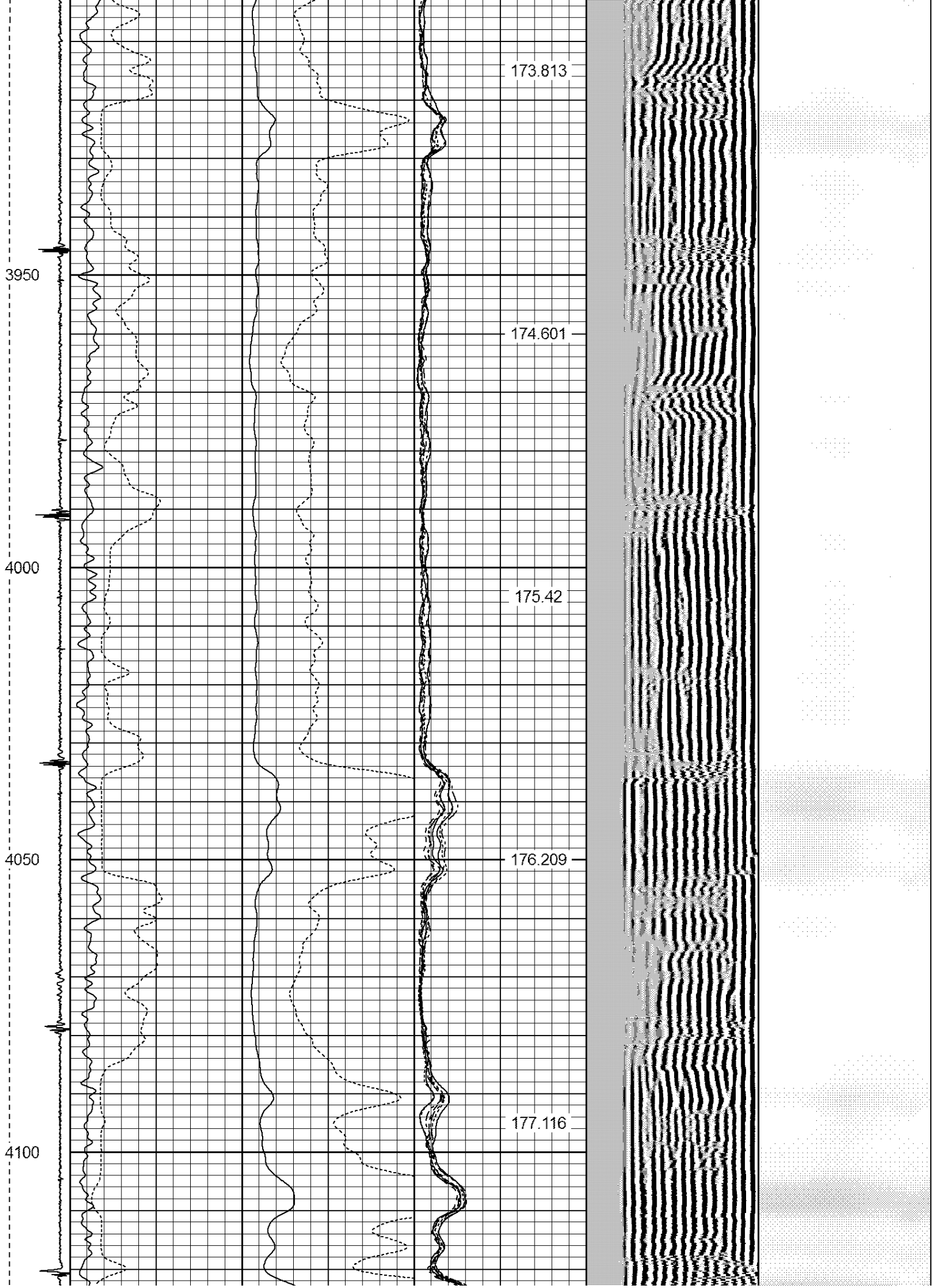
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163.463









4150

4200

4250

4300

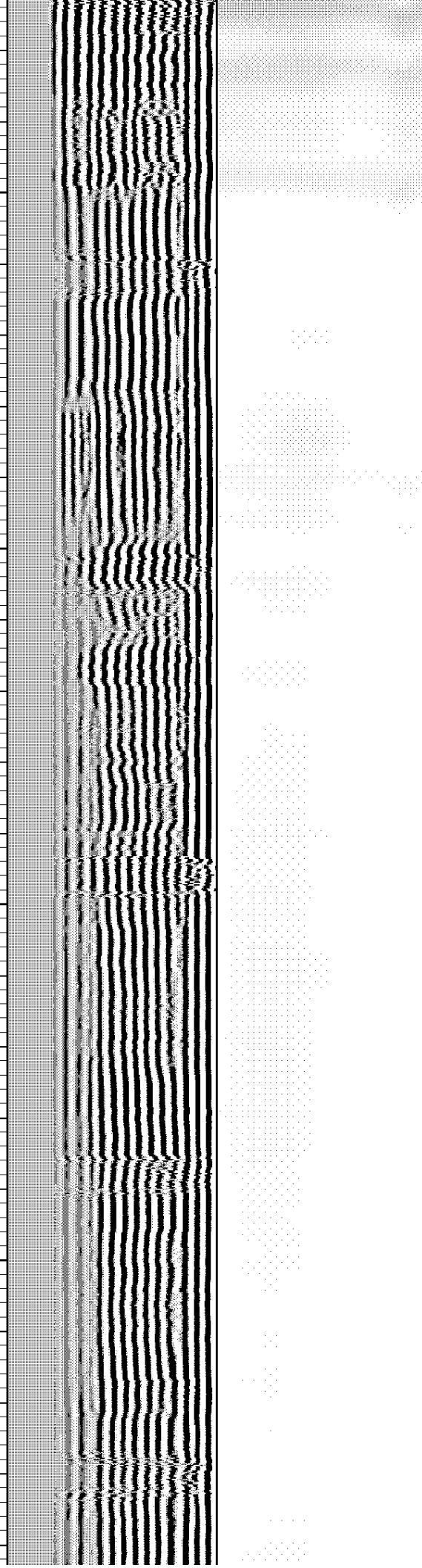
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178.835

179.807

180.633

181.569



4350

182.489

4400

183.443

4450

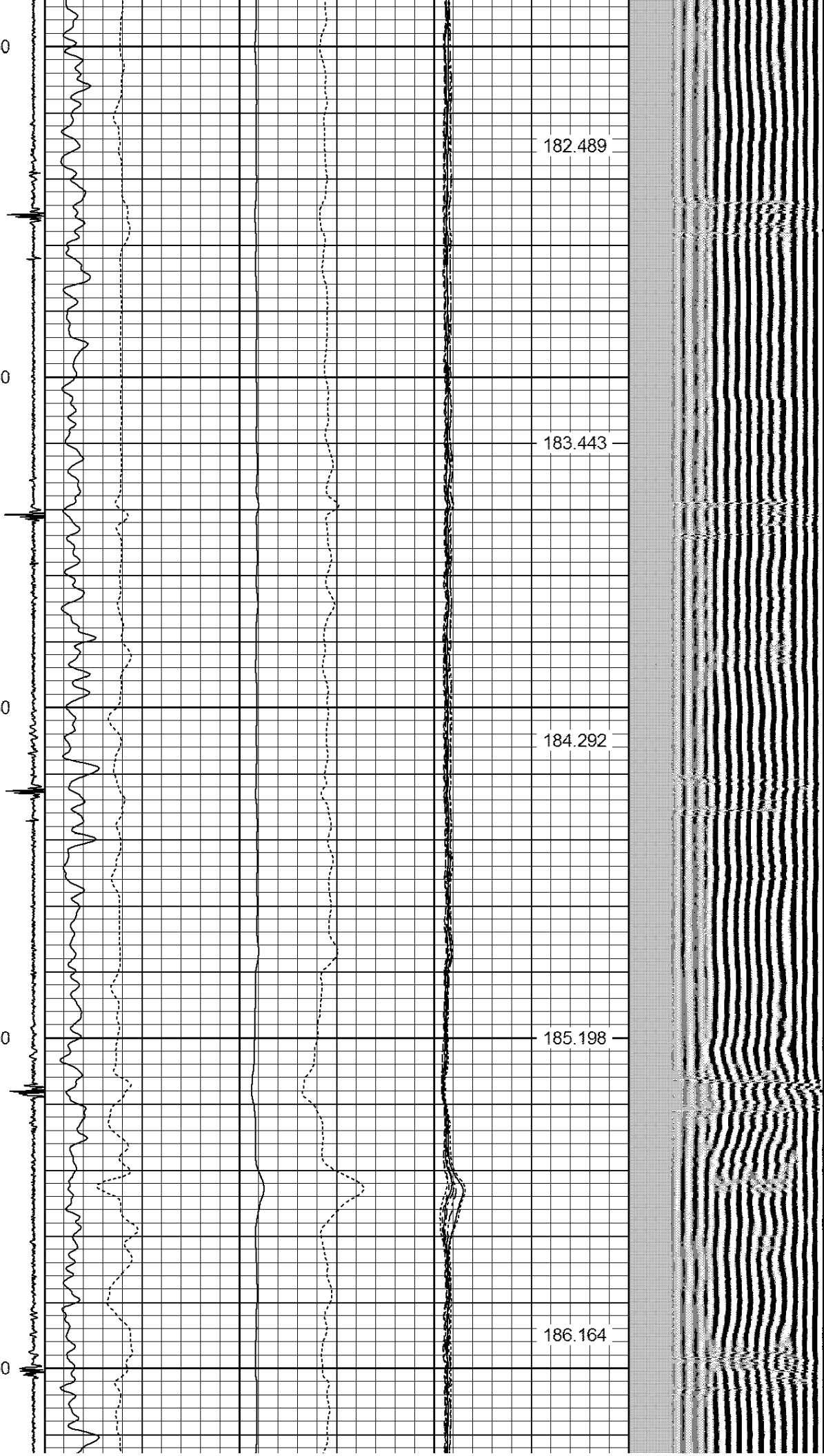
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4500

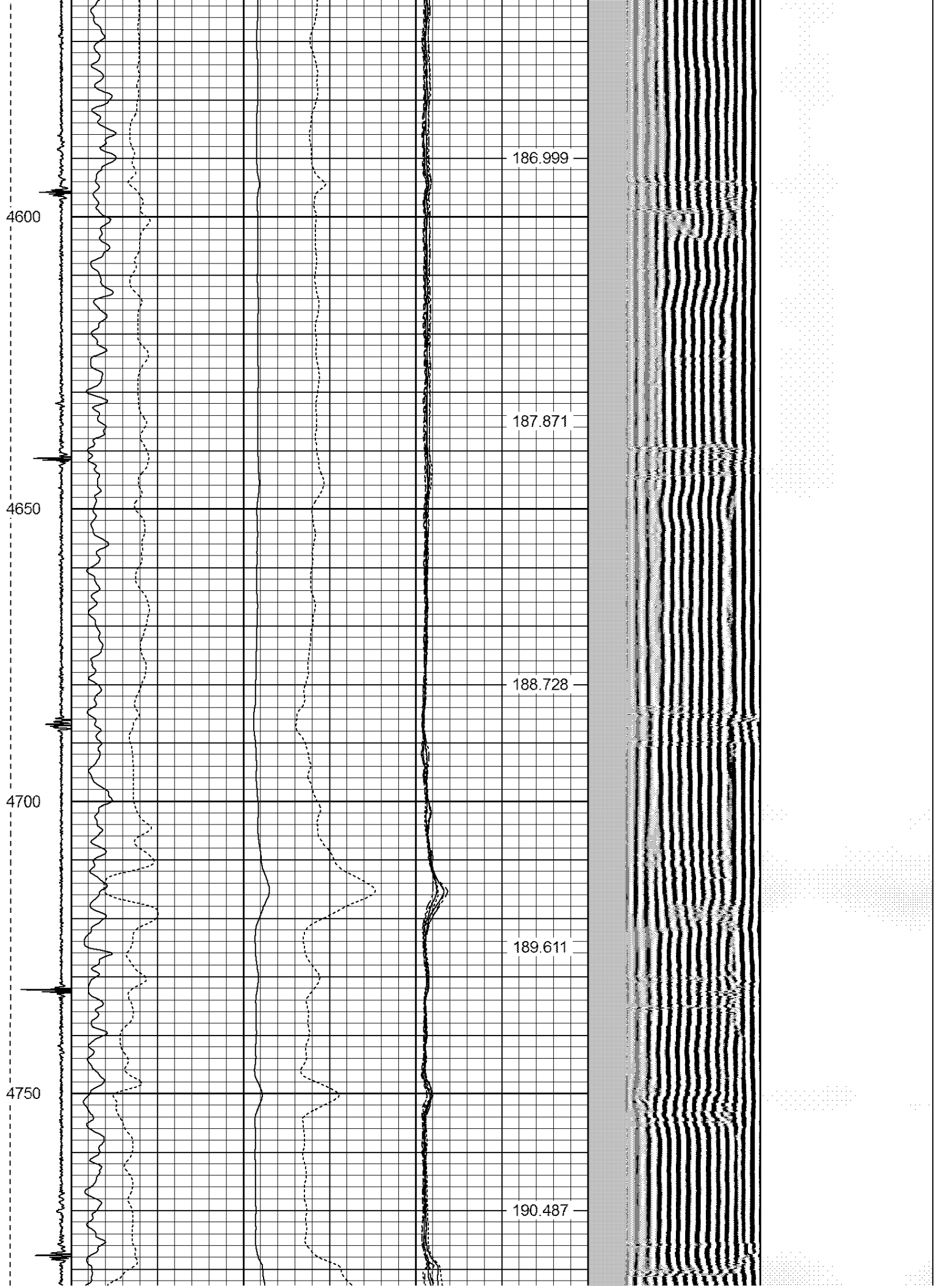
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4550

186.164









4800

4850

4900

4950

5000

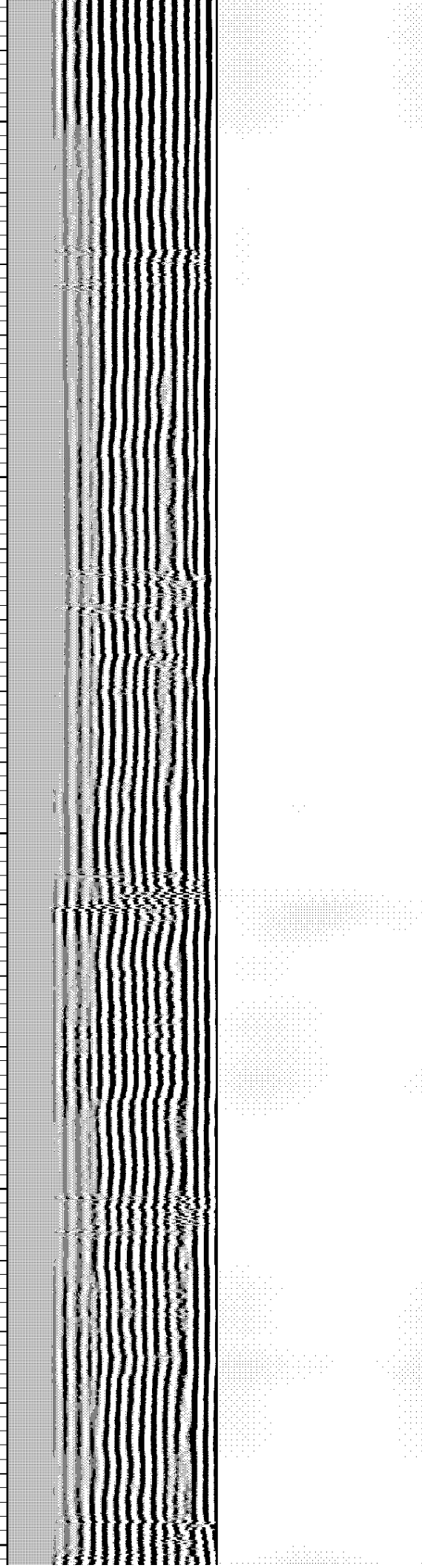
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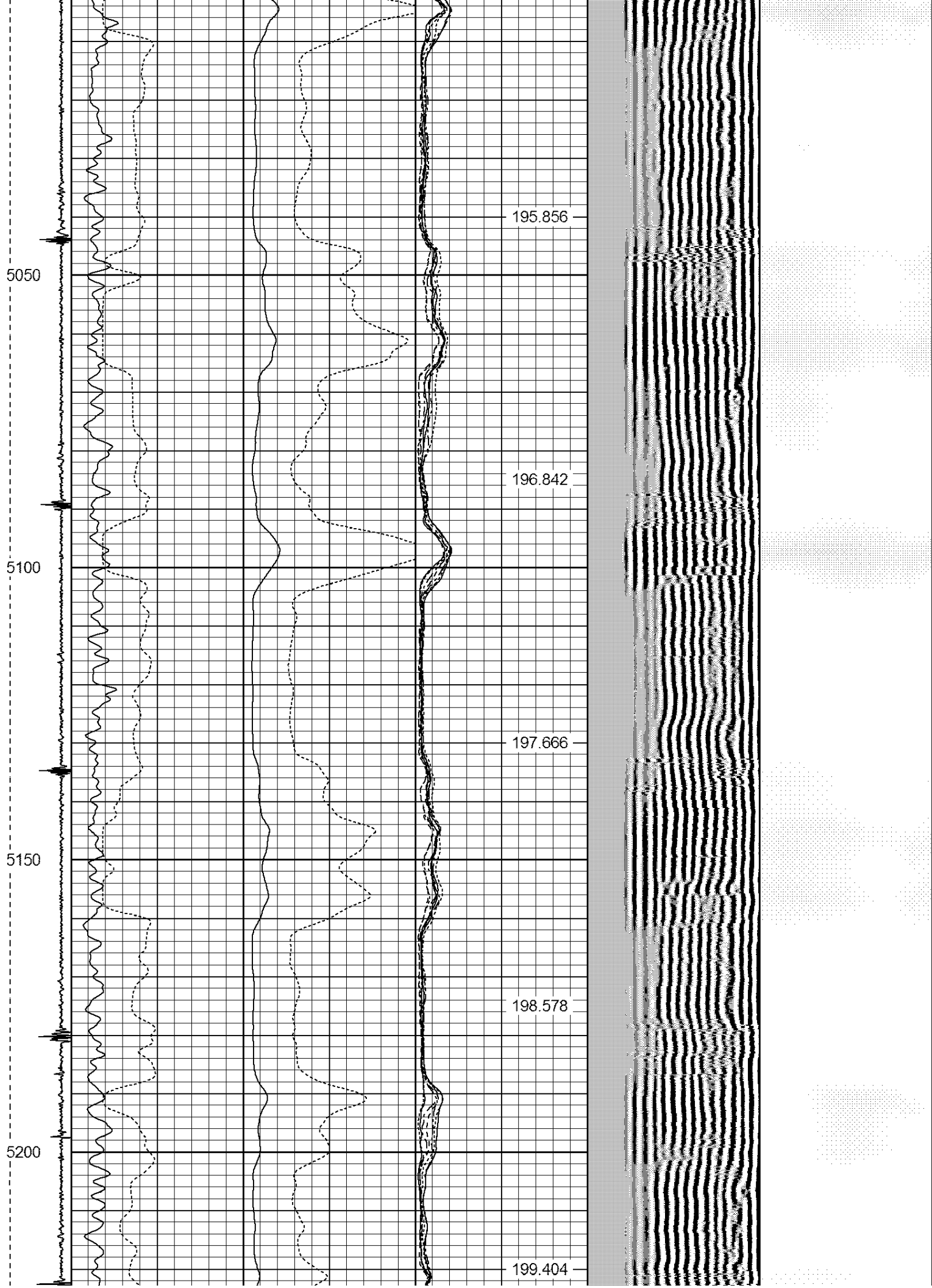
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193.197

194.056

195.035





5250

5300

5350

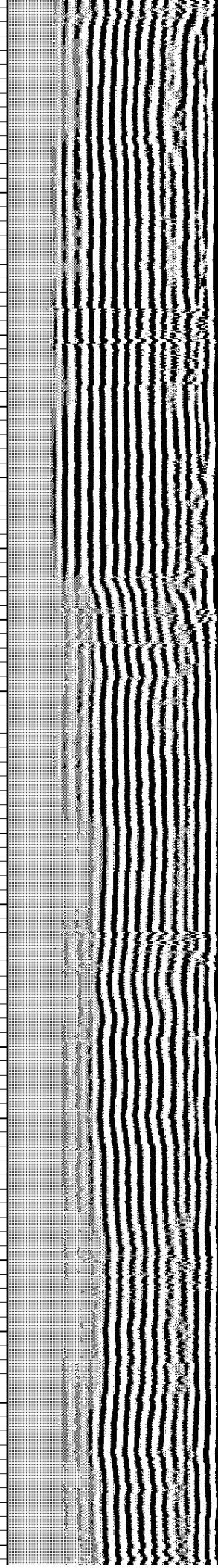
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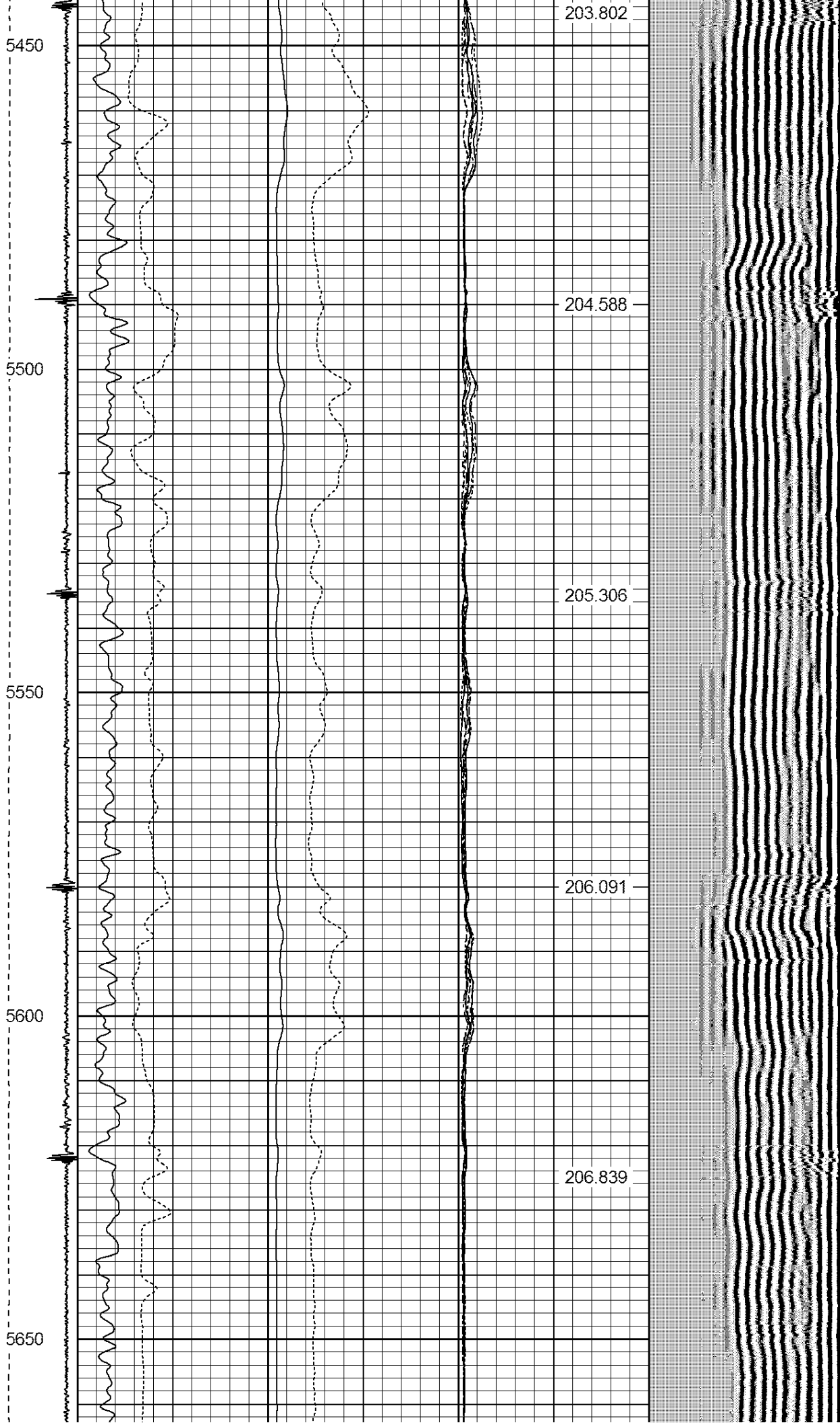
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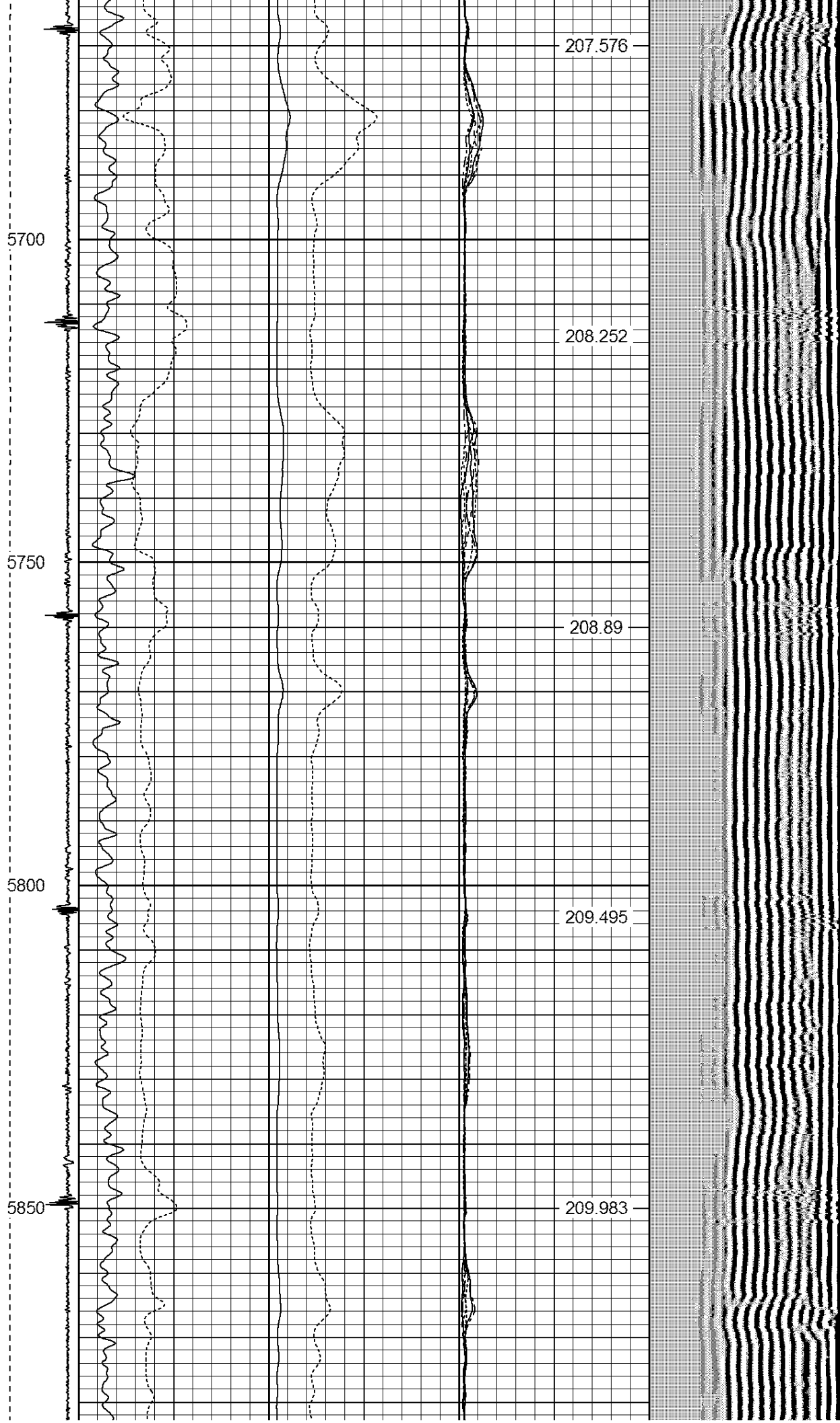
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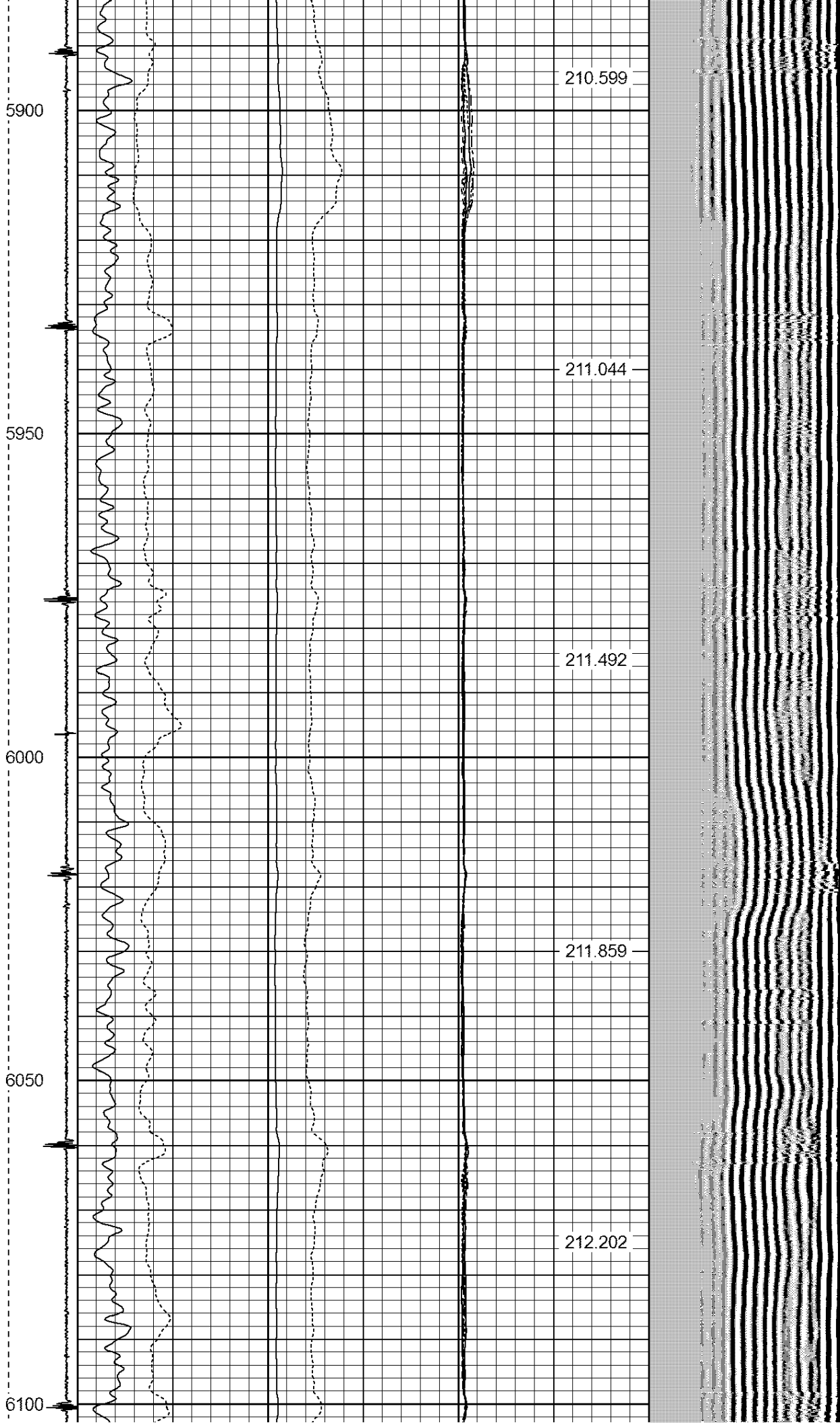
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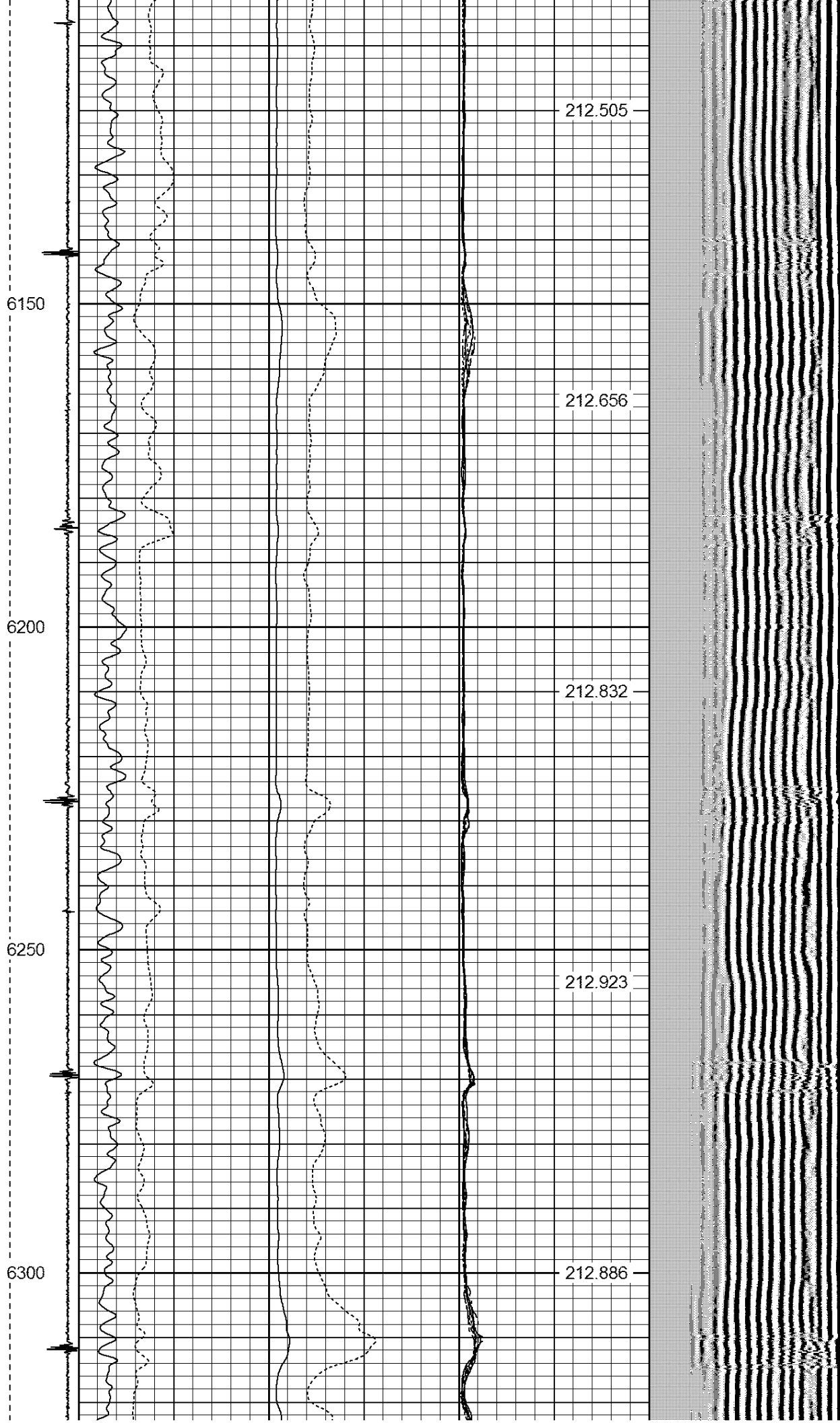
202.93











6350

212.87

6400

212.749

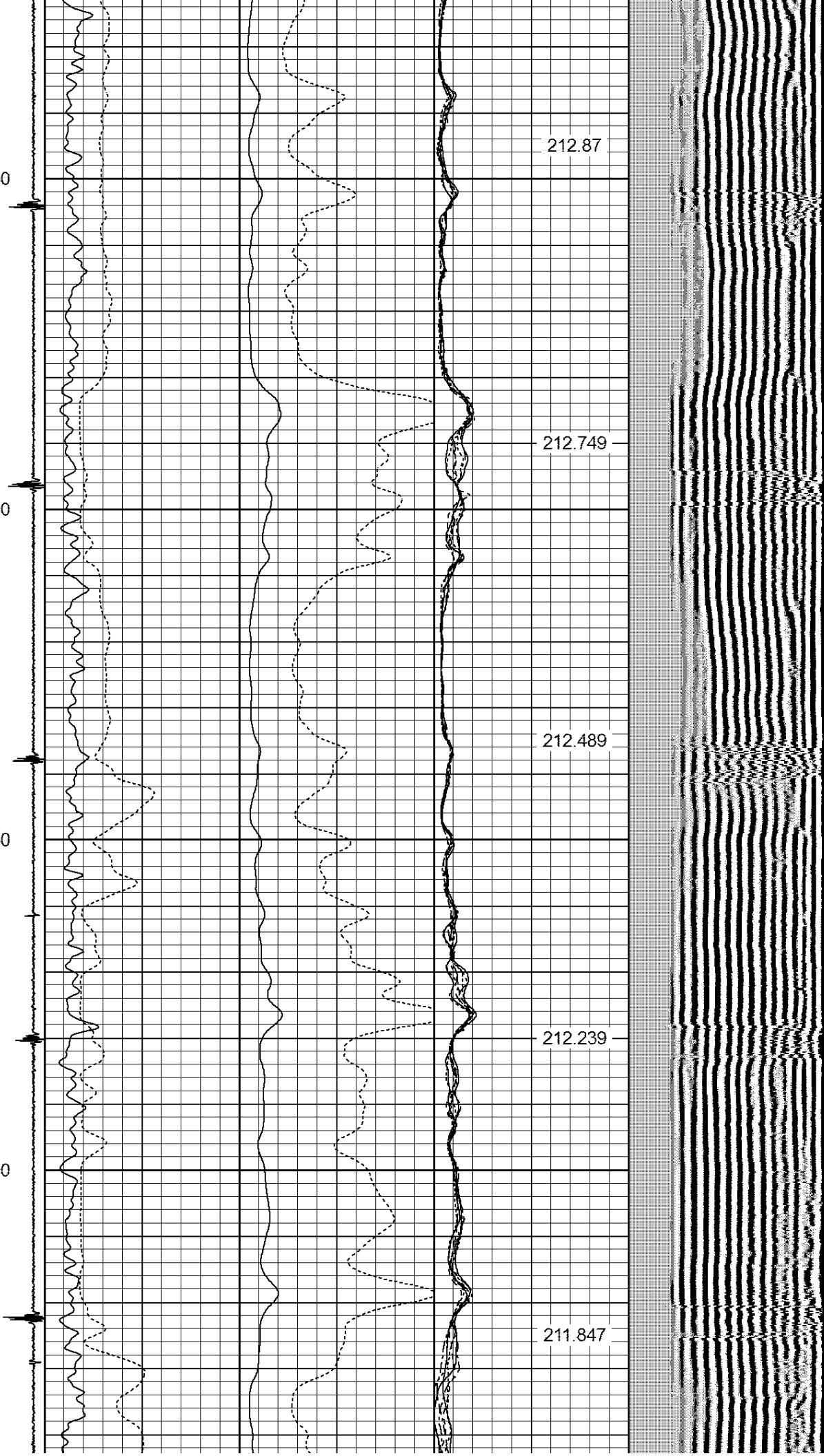
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212.489

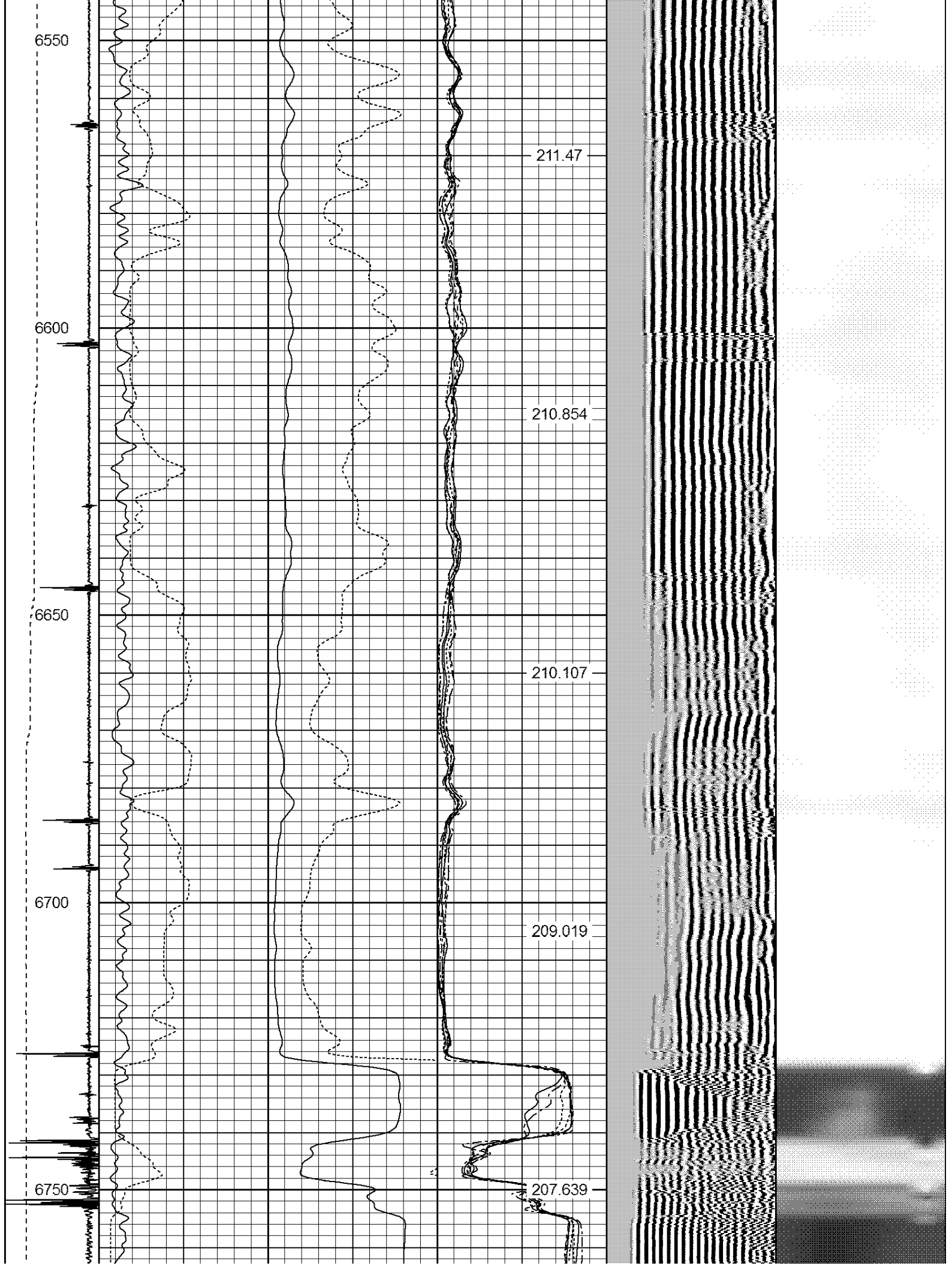
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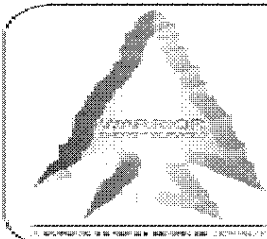
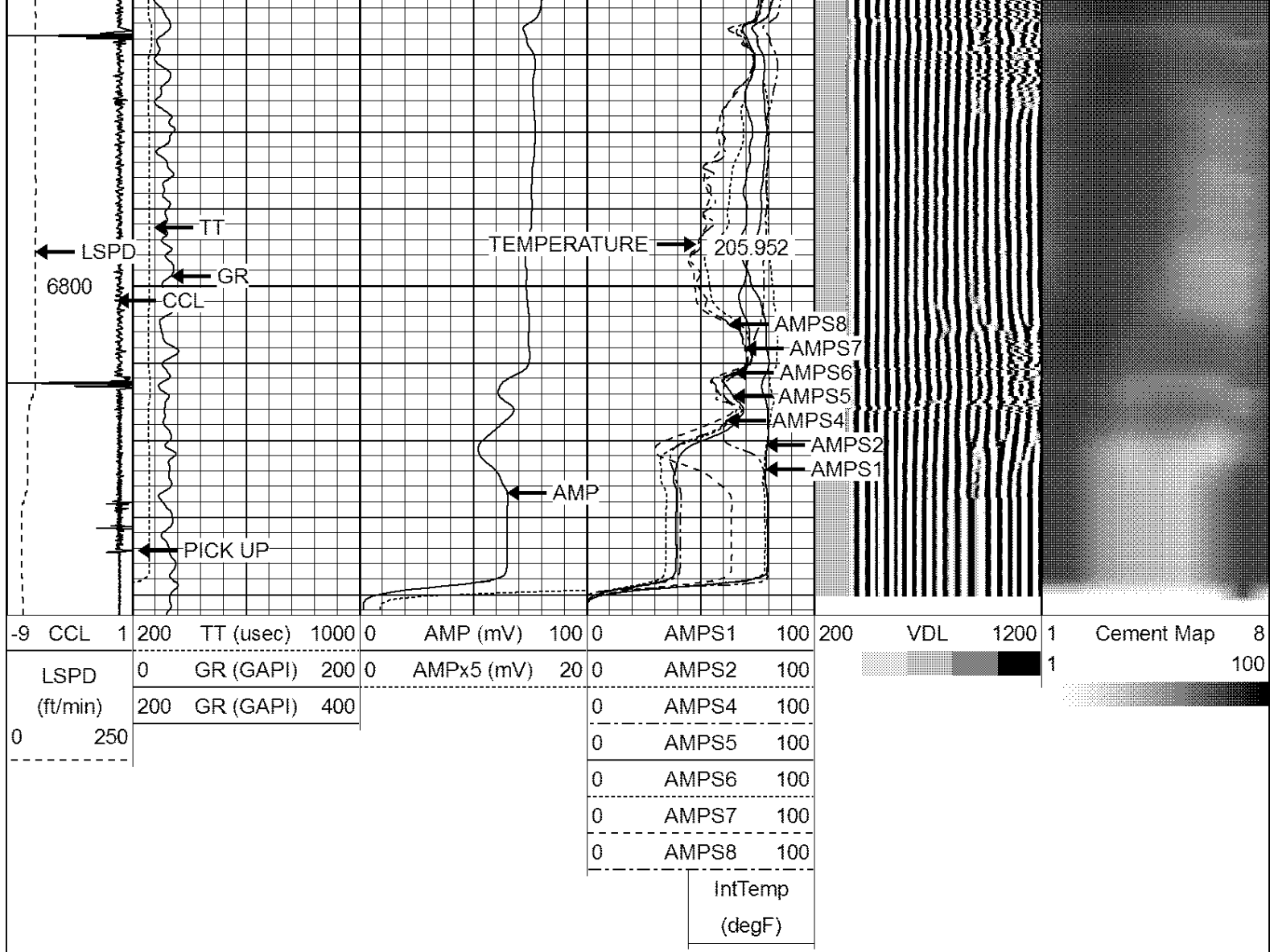
212.239

211.847









**WARRIOR**  
ENERGY SERVICES

Company BAYSWATER  
Well MOJACK I-28HN  
Field WATTENBURG  
County WELD  
State COLORADO