



DLD

CEMENT BOND LOG
GAMMA RAY
CCL

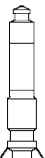
PIPE RECOVERY SERVICES

Company LARAMIE ENERGY LLC		Company LARAMIE ENERGY LLC	
Well NICHOLS 24-21W		Well NICHOLS 24-21W	
Field		Field	
County MESA		County MESA	
State CO		State CO	
Location:		API # : 05-077-10399-00	
SEC 24 TWP 9S RGE 94W		Other Services	
Permanent Datum		Elevation	
Log Measured From KB		K.B.	
Drilling Measured From KB		D.F.	
		G.L.	
Date	7-8-2018		
Run Number	ONE		
Depth Driller			
Depth Logger	7880'		
Bottom Logged Interval	7870'		
Top Log Interval	SURFACE		
Open Hole Size			
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom			
Equipment Number	THREE		
Location	FRUITA, CO		
Recorded By	ADAM DANIELS		
Witnessed By	EUGENE LUCERO		
Borehole Record		Tubing Record	
Run Number	Bit From To Size	Weight	From To
Casing Record	Size	Wgt/Ft	Top Bottom
Surface String			
Prot. String			
Production String	4-1/2	11.6#	
Liner			

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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.

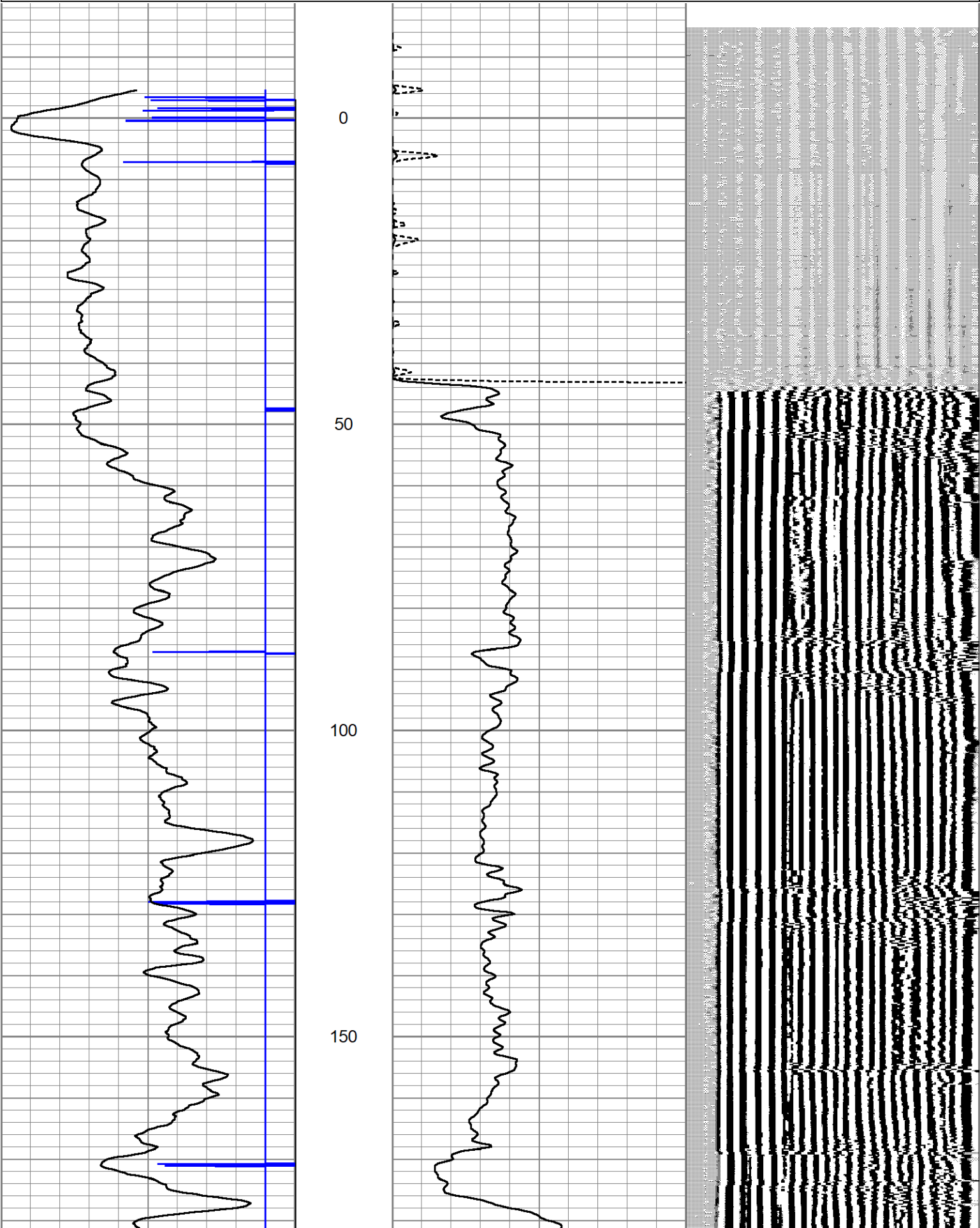
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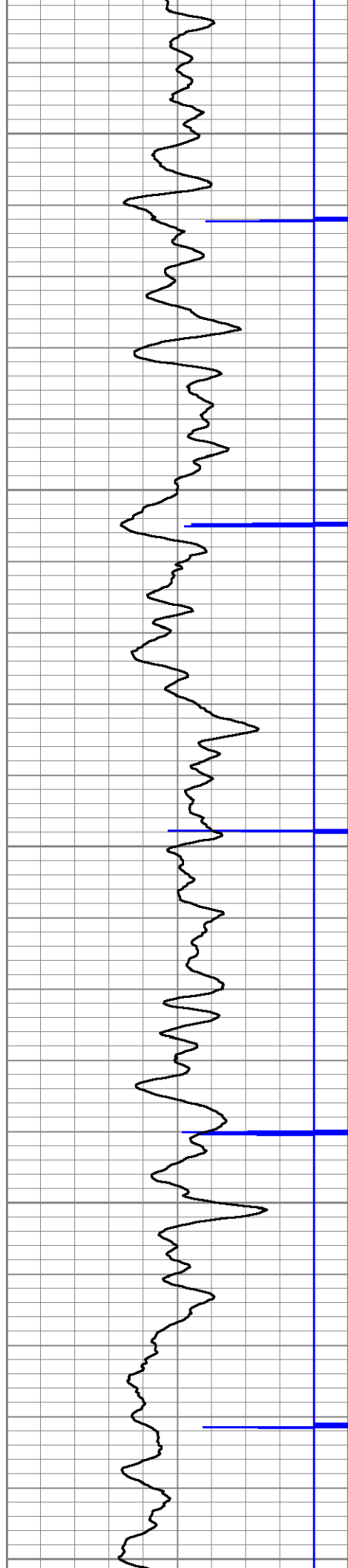
Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan-1.4375 1 7/16 Titan Type II Cable Head	1.03	1.44	5.00

			Tek-1.69 1 11/16" Tekco Adjustable Centralizer	2.21	1.69	10.00
WVFSYNC	15.63					
WVFCAL	15.63					
TEMP	14.63					
WVF3FT	12.55		CBLTEKCO-168 1x2 w Temp (Del) (ITHU Tekco 1 11/16" 400 Deg F Dual Receiver with Temp	1.9.75	1.69	52.00
WVF5FT	11.55					
WVFTEMP	8.13					
			Tek-1.69 1 11/16" Tekco Adjustable Centralizer	2.21	1.69	10.00
GR	3.10		GR-Tek-Co (IUUA1-04) TEKCO 1 11/16" 400 Deg. F Scintillation Logging Gamma Ray	3.82	1.68	18.00
CCL	0.98		CCL-Titan (Titan169-CCL) Titan 169 CCL	1.83	1.69	5.00
			Titan-1.375_Cap Titan 1 3/8" Cap	0.27	1.38	1.00
Dataset: laramie.db: Eugene/24-21W/run1/pass4.33 Total length: 21.12 ft Total weight: 101.00 lb O.D.: 1.69 in						

Database File	laramie.db
Dataset Pathname	Eugene/24-21W/run1/pass4.33
Presentation Format	scbl_dr
Dataset Creation	Mon Jul 23 14:43:09 2018
Charted by	Depth in Feet scaled 1:240

9	Collar Locator	-1	LTEN	0	Amplitude (mV)	100	200	VDL	1200
0	Gamma Ray	150	0	(lb) 100					
0	Line Speed (ft/min)	100							





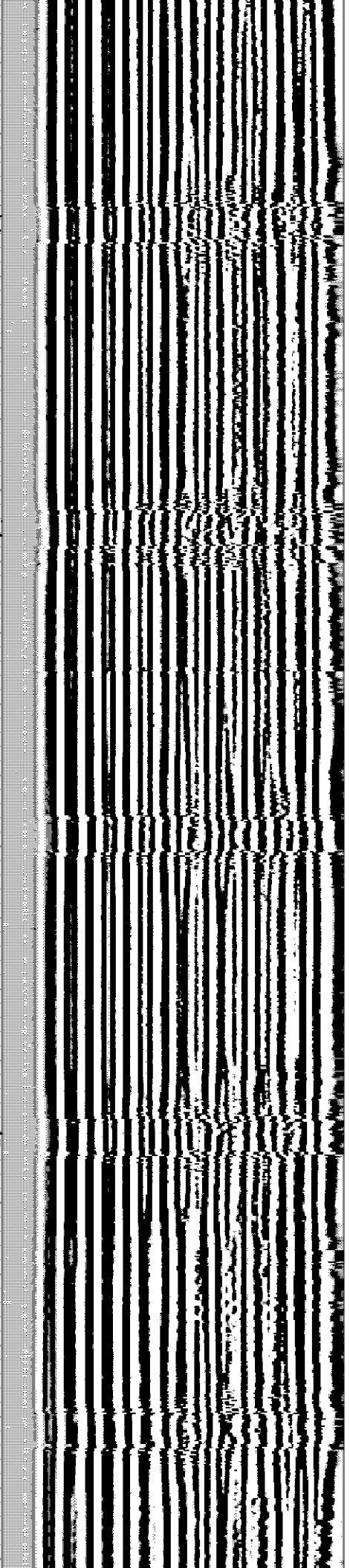
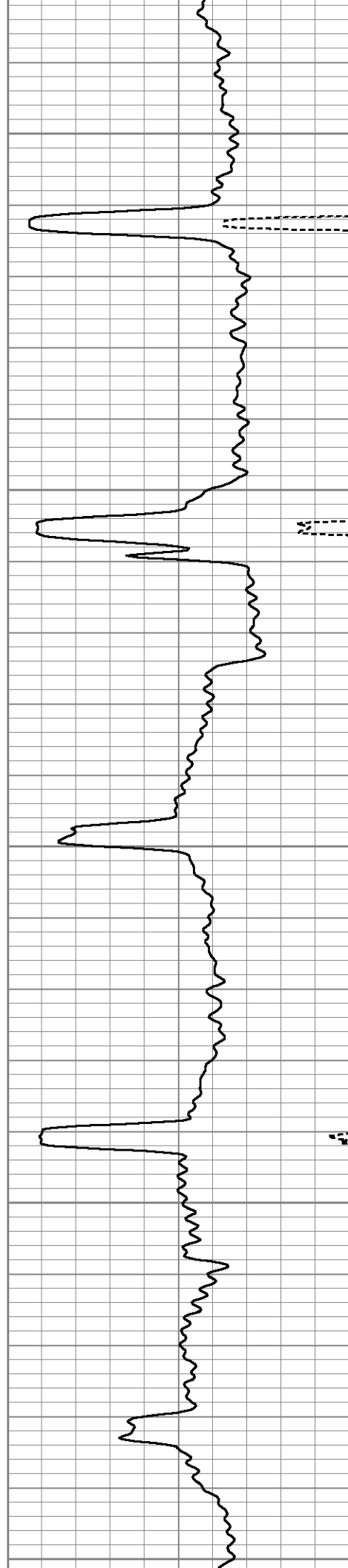
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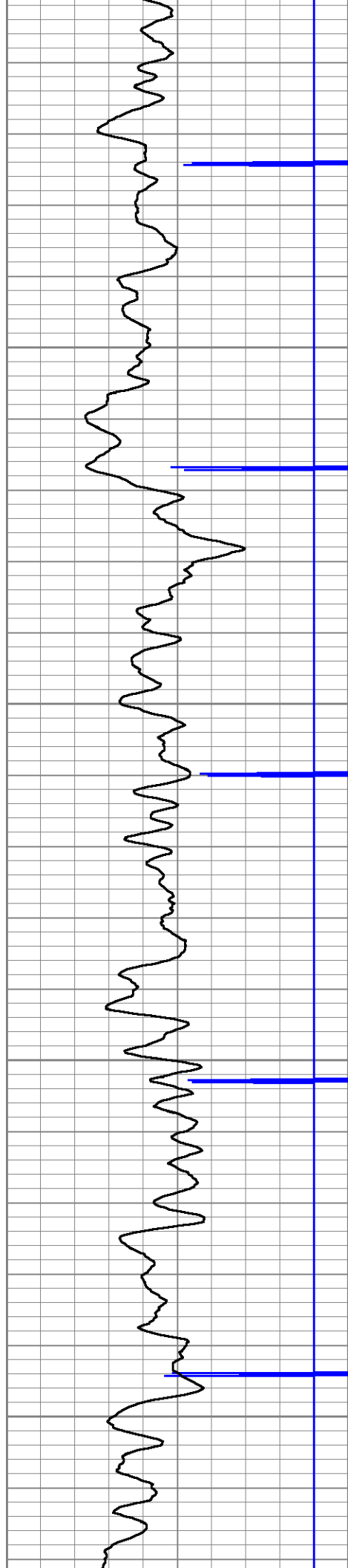
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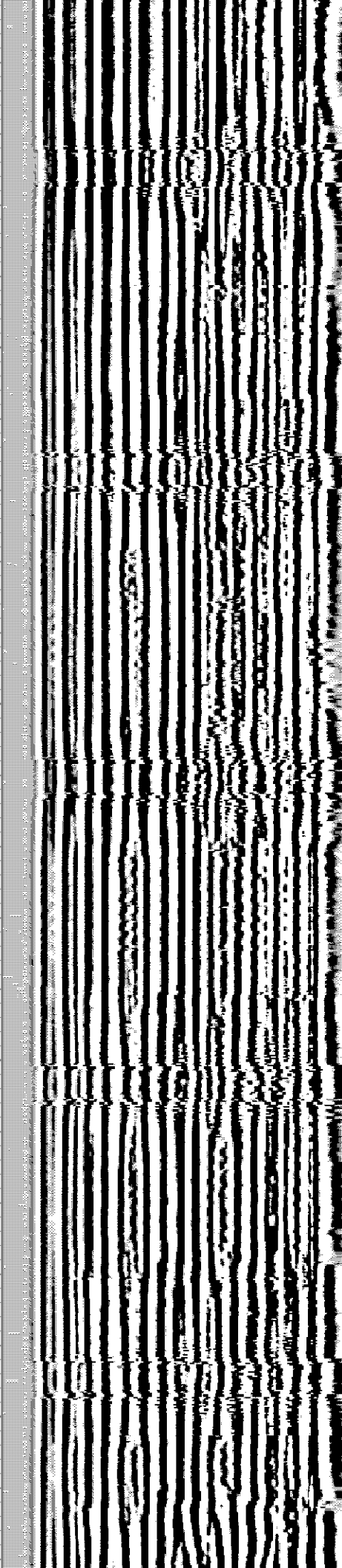
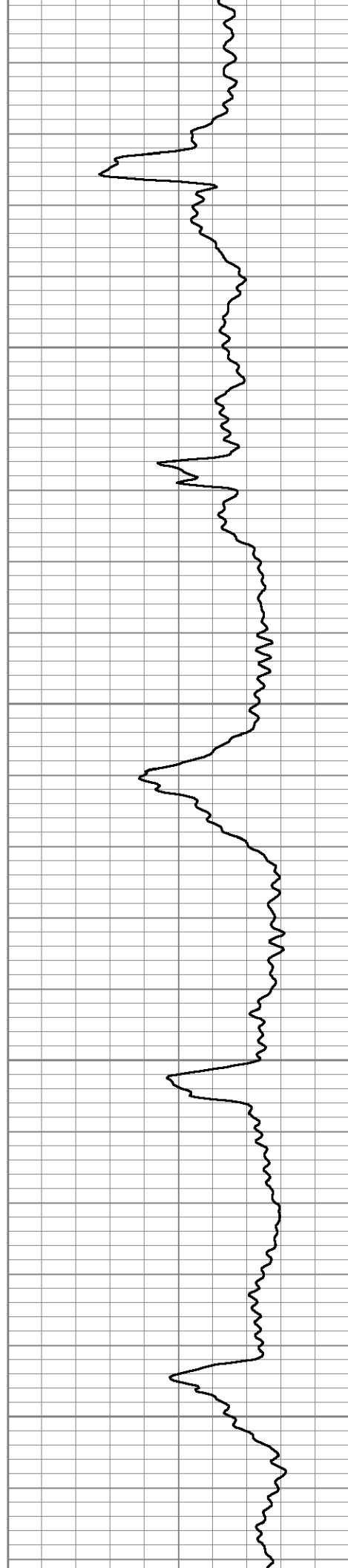


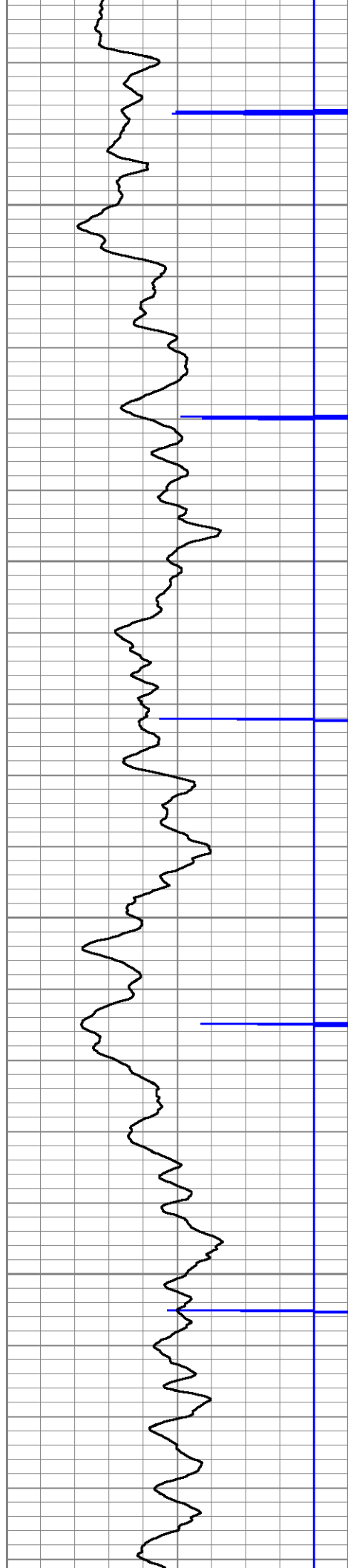
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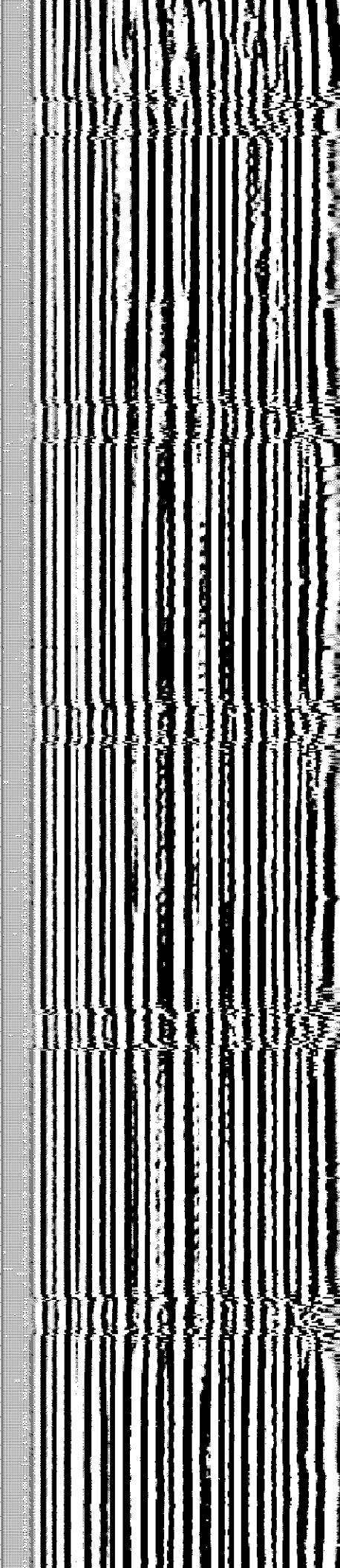
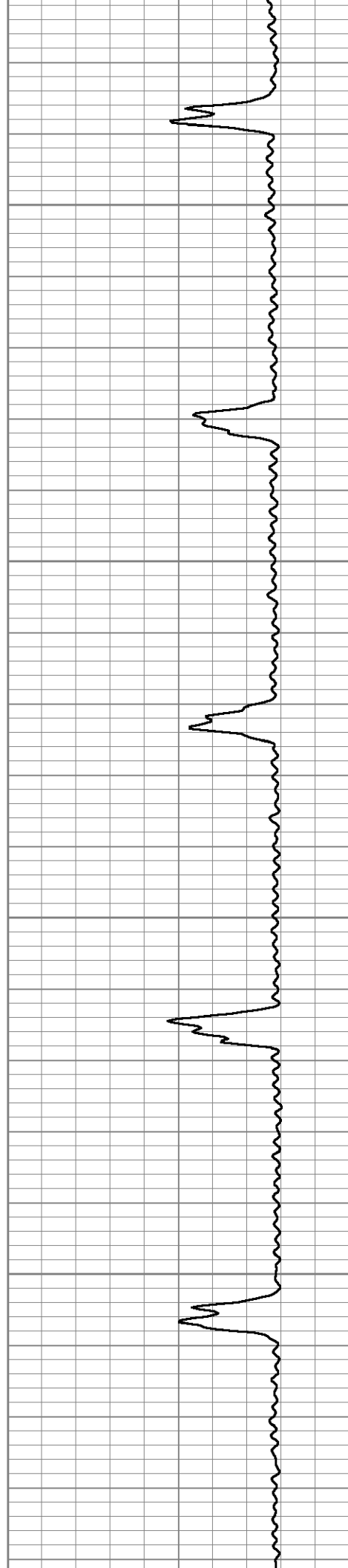


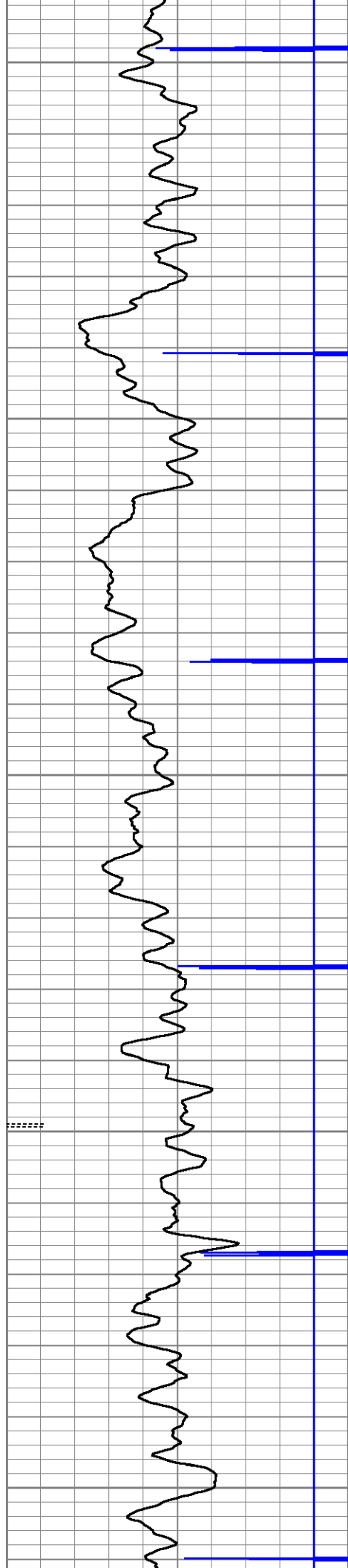
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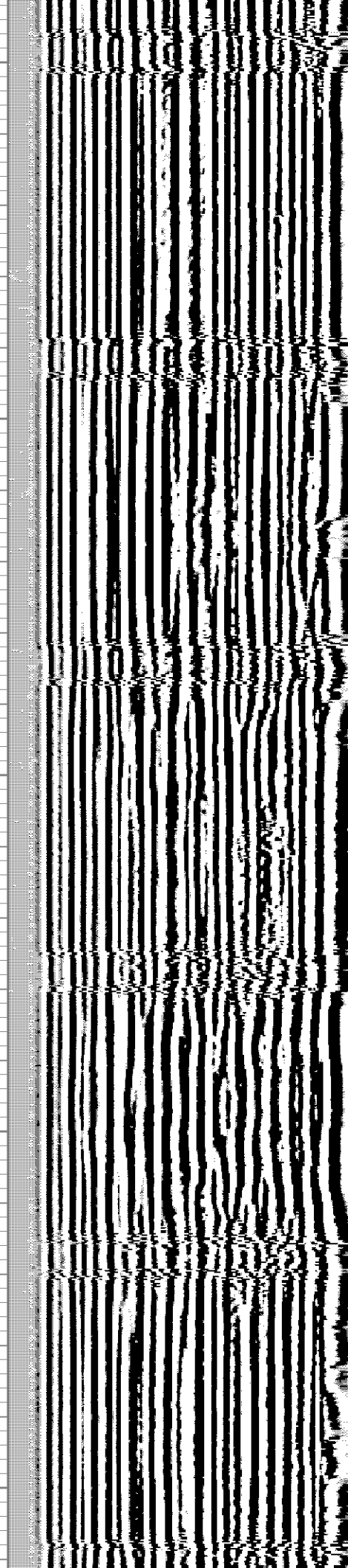
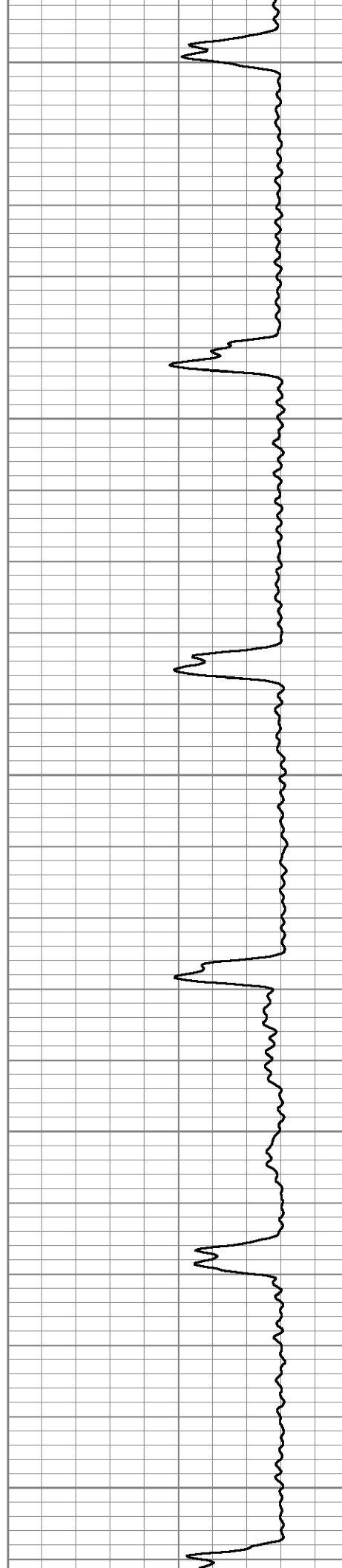
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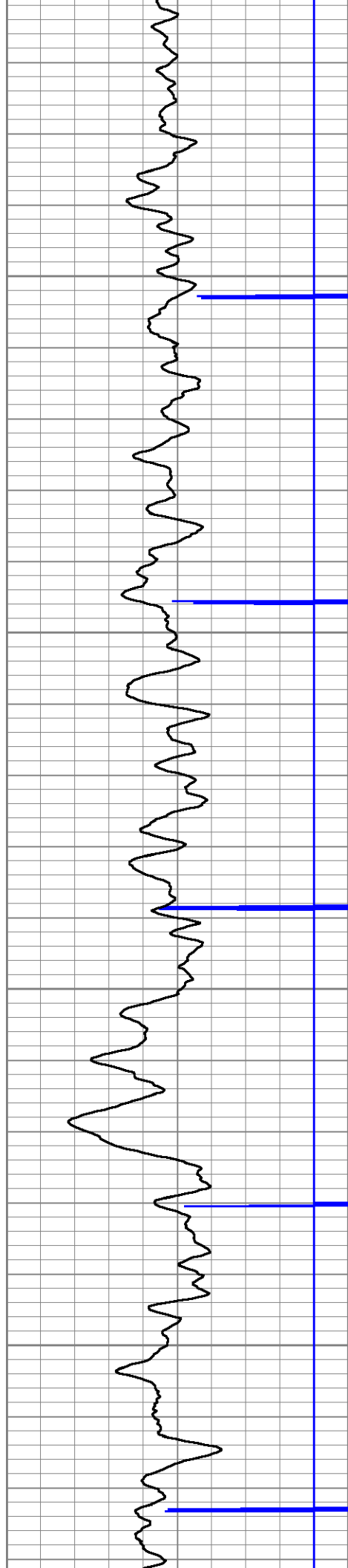
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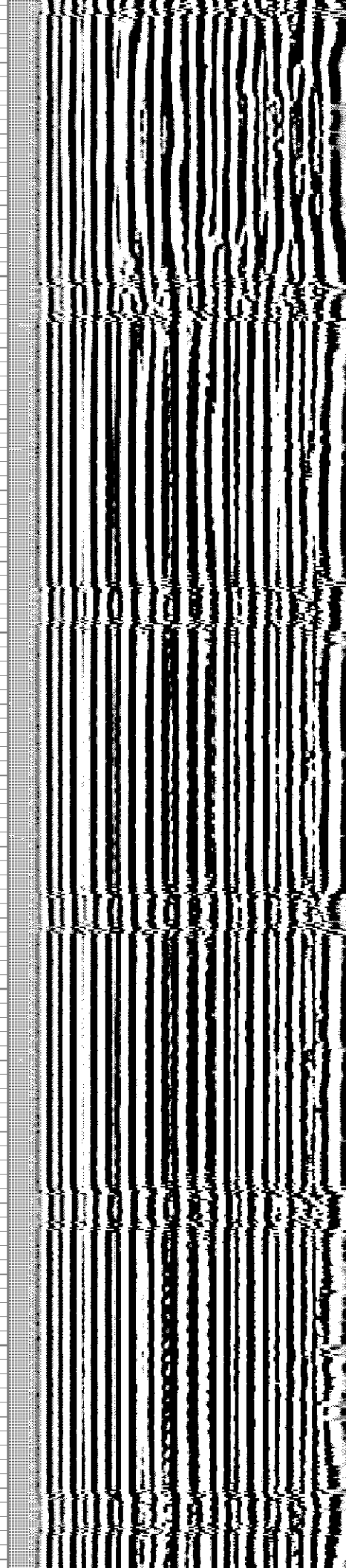
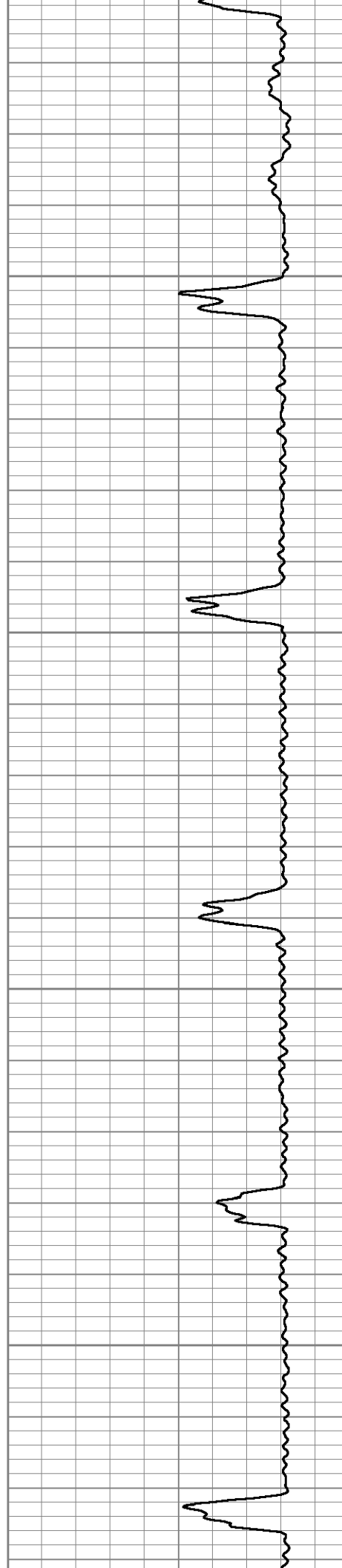


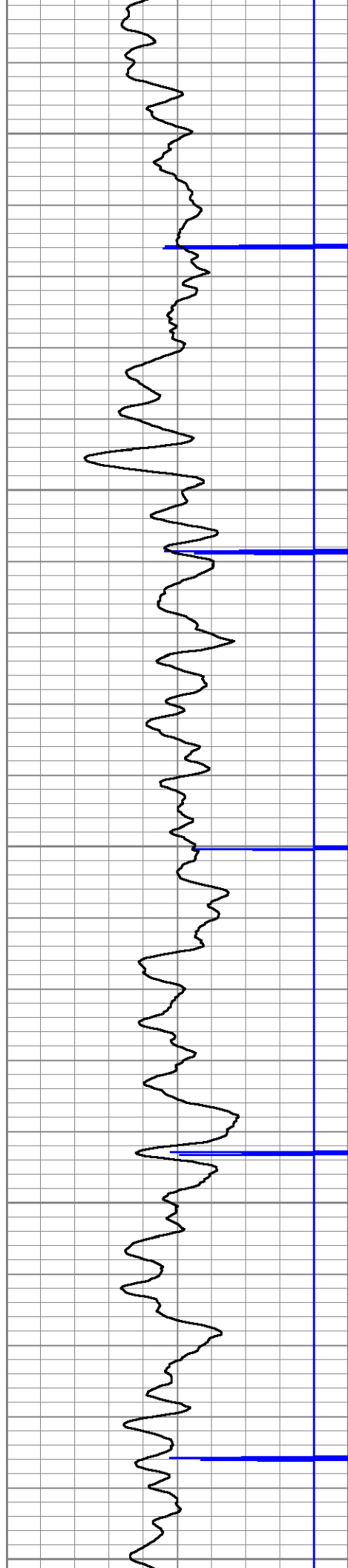
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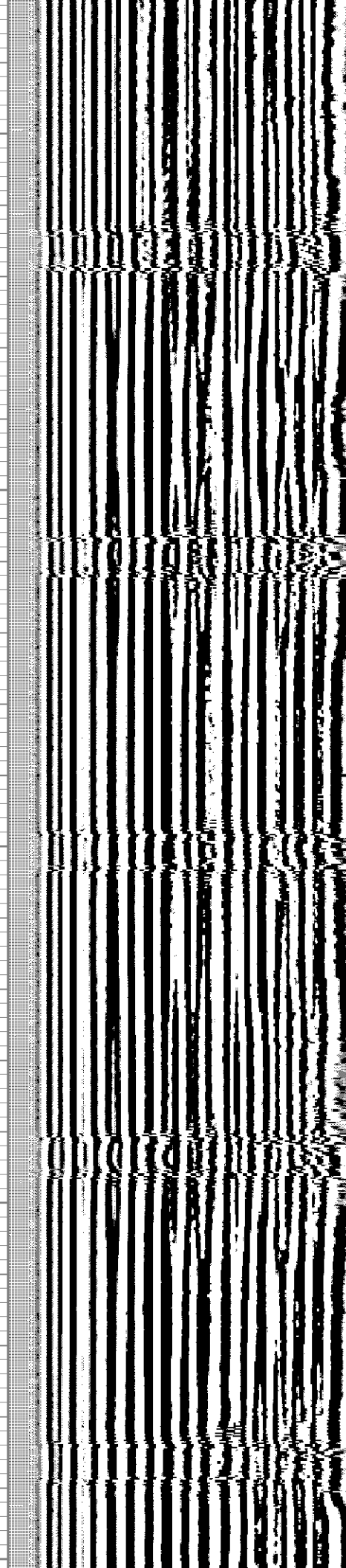
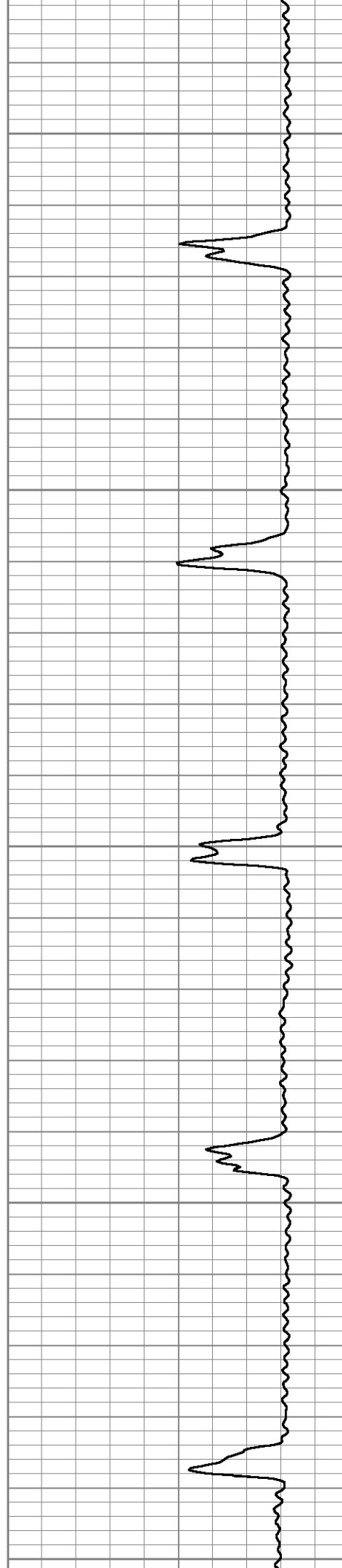
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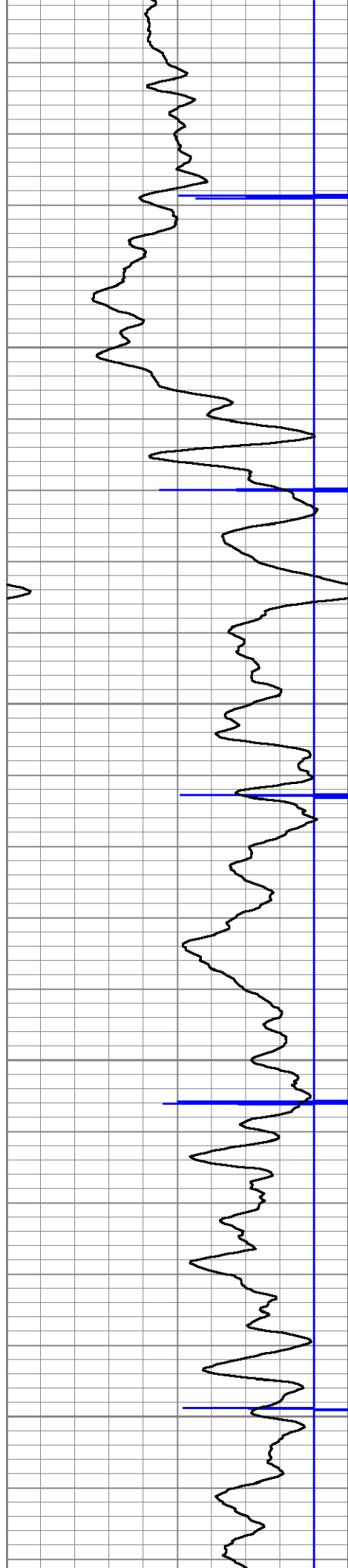
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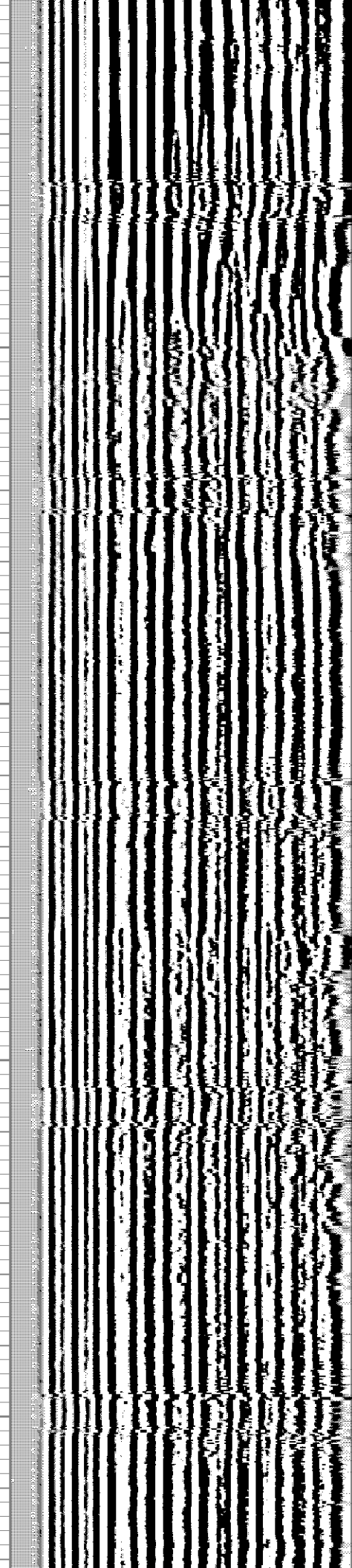
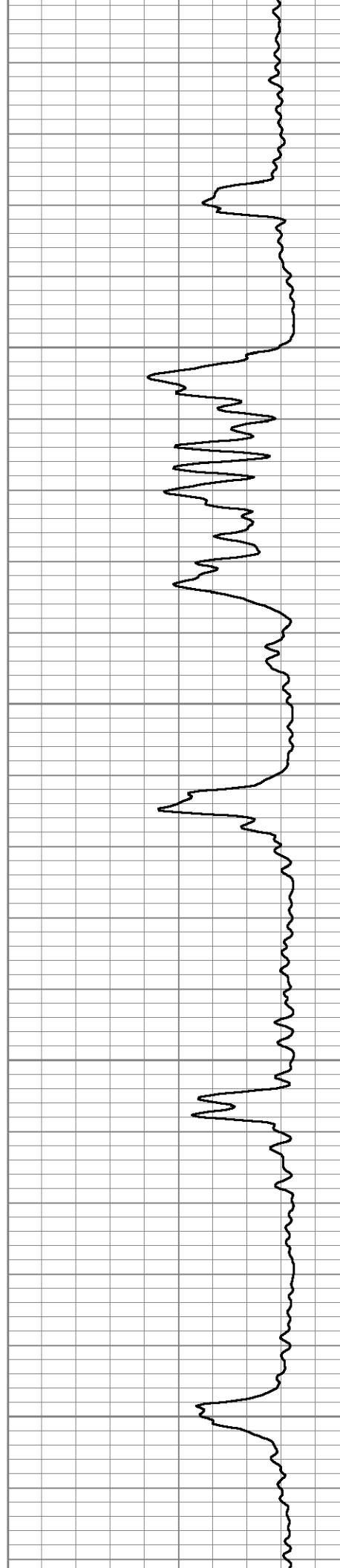


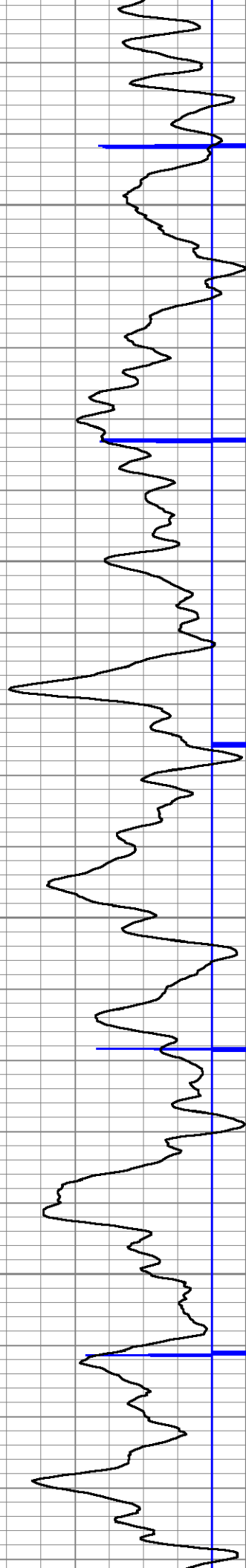
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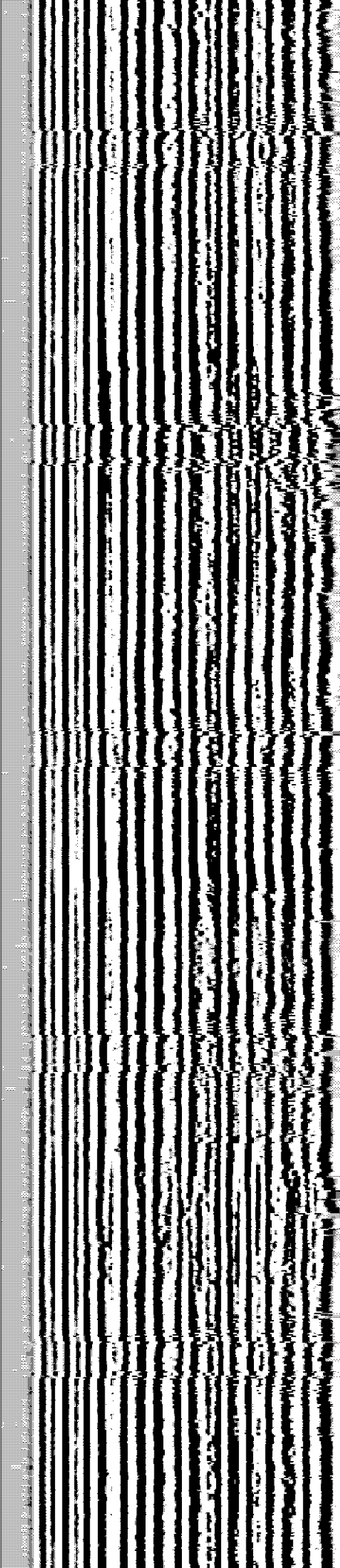
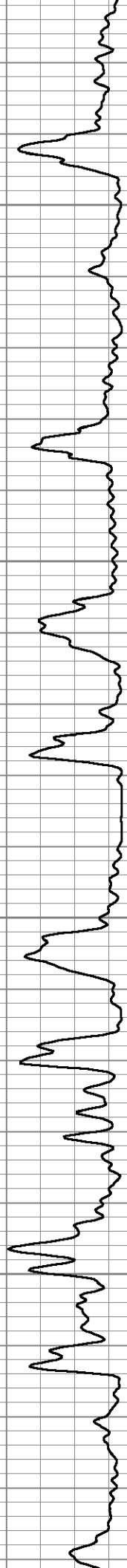


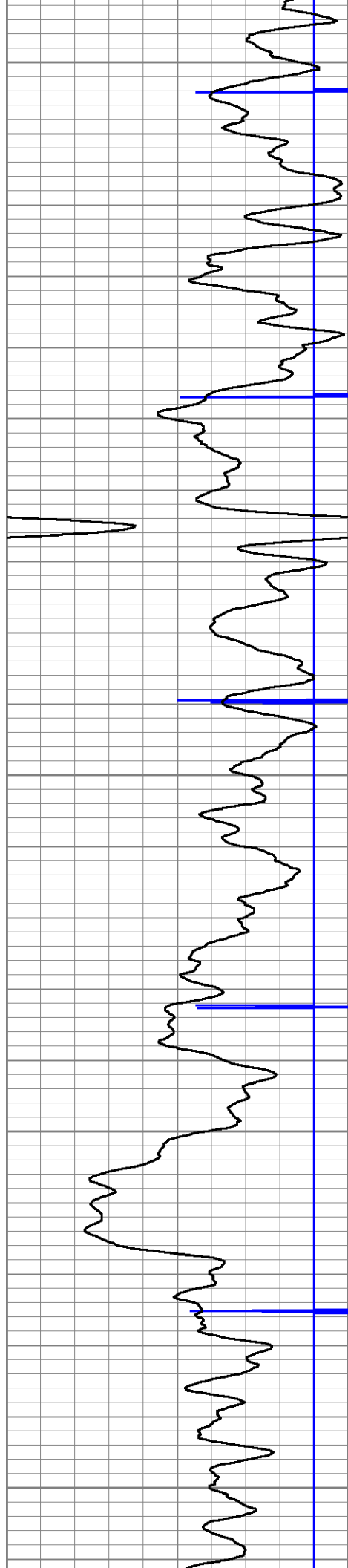
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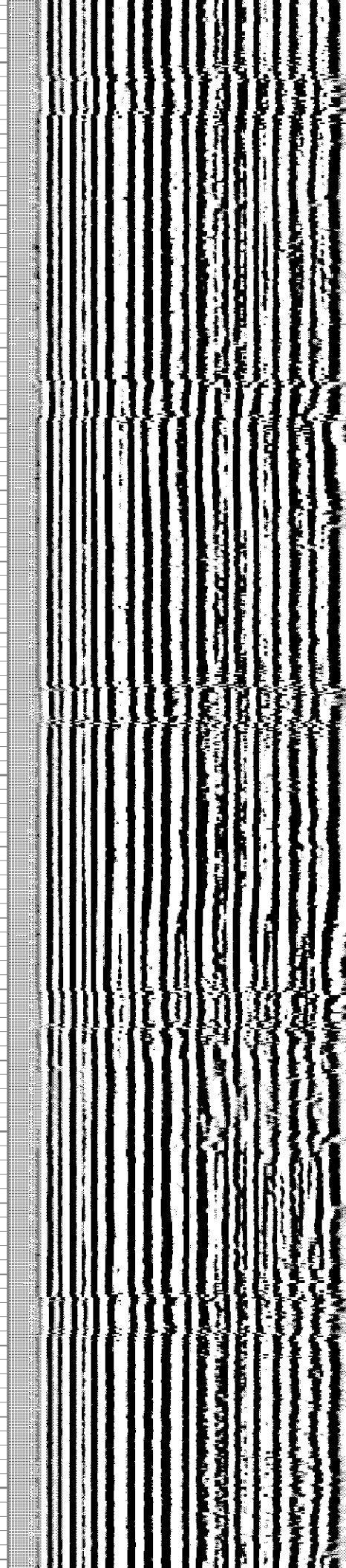
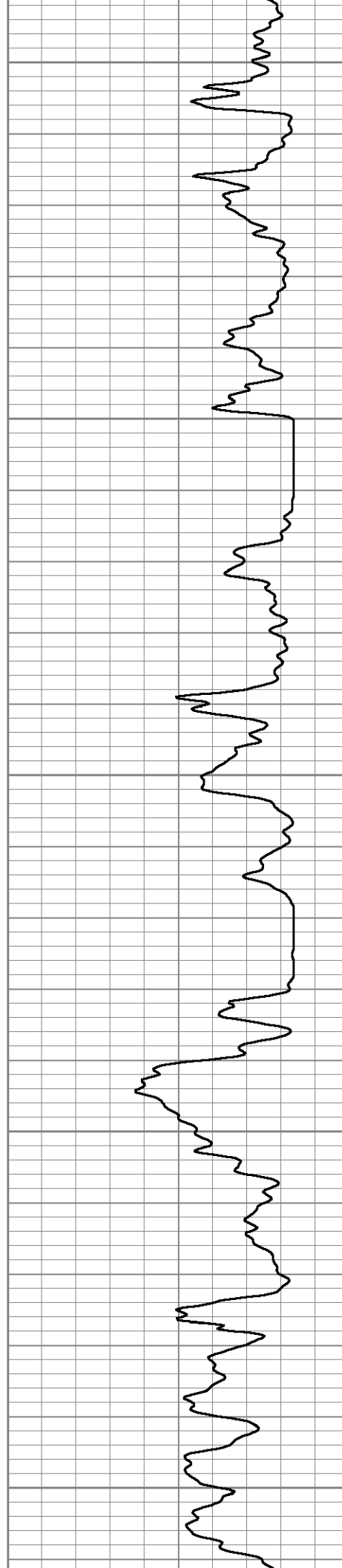
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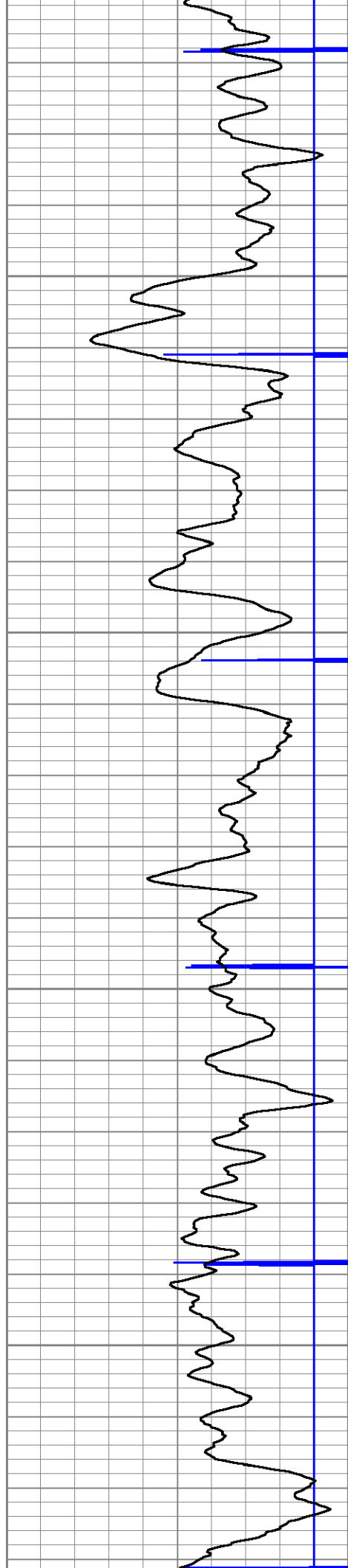
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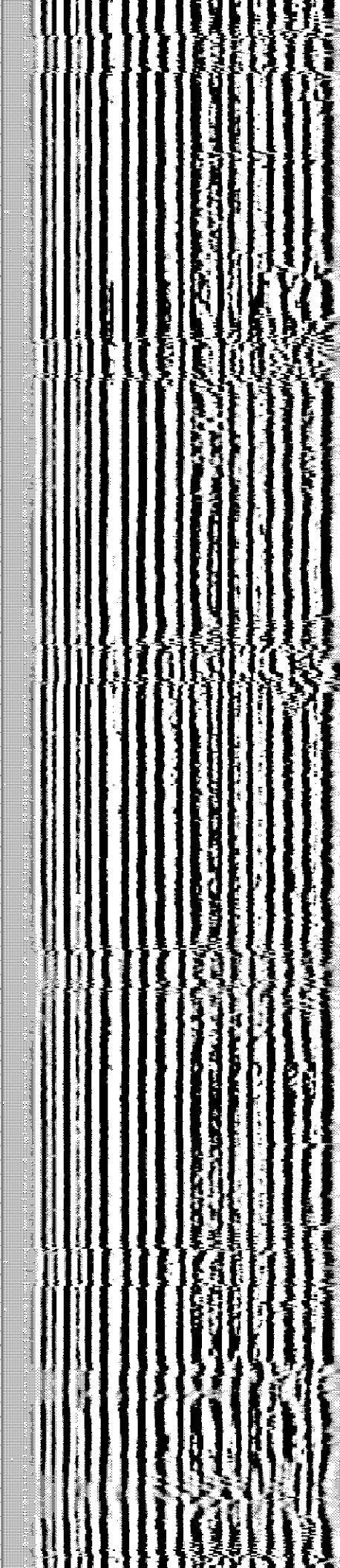
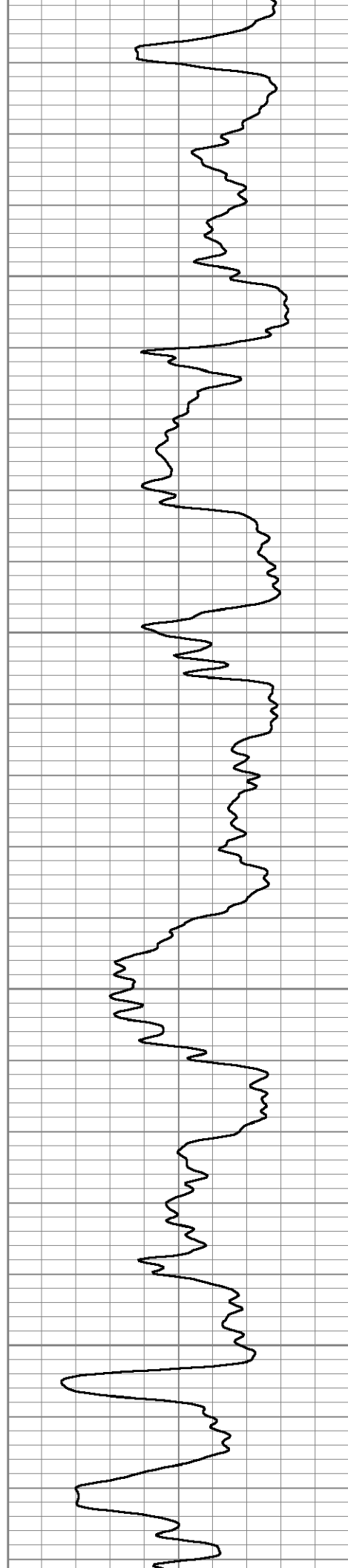


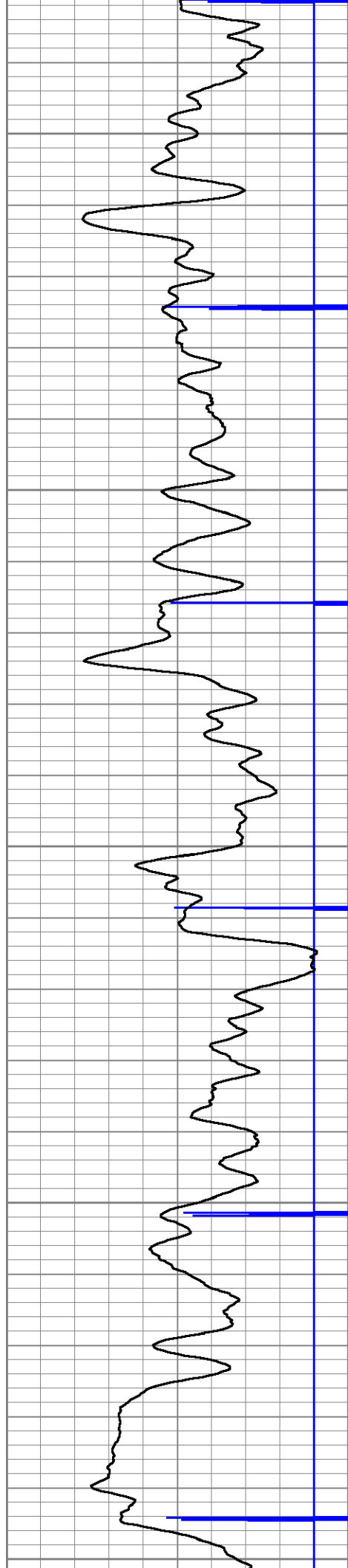
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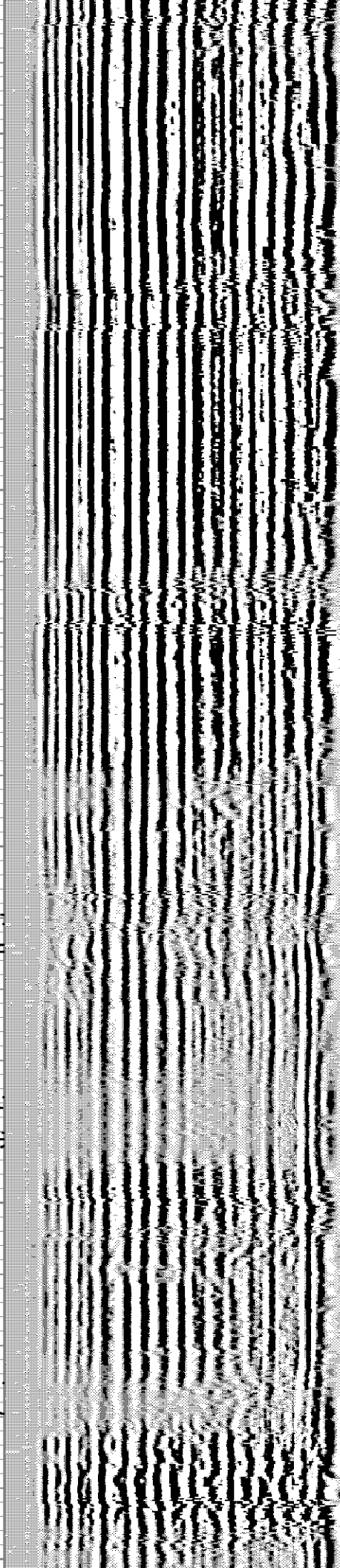
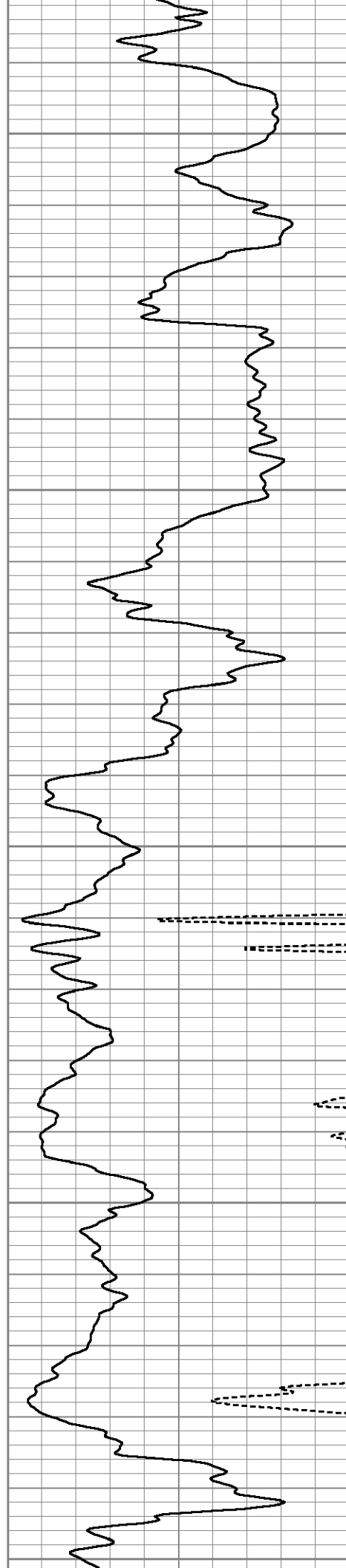
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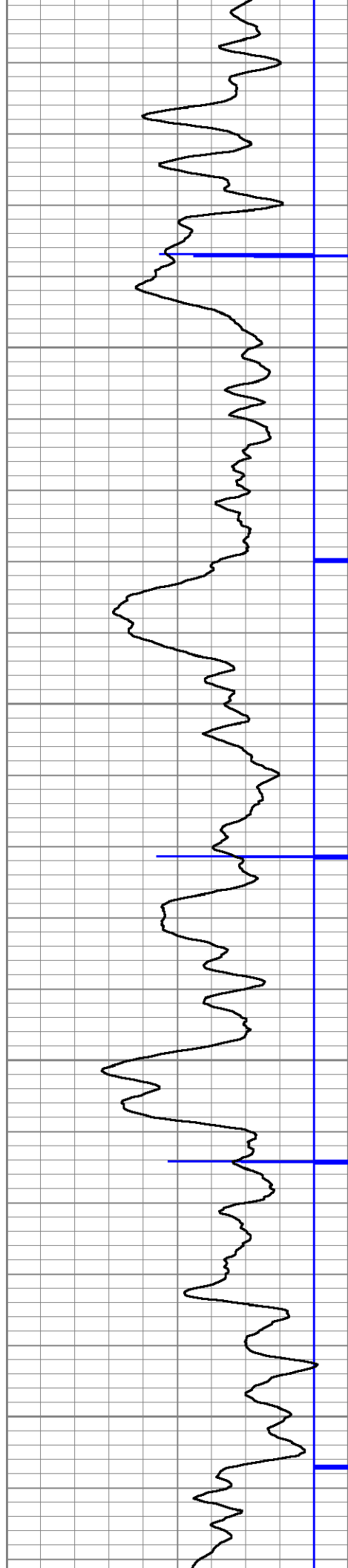
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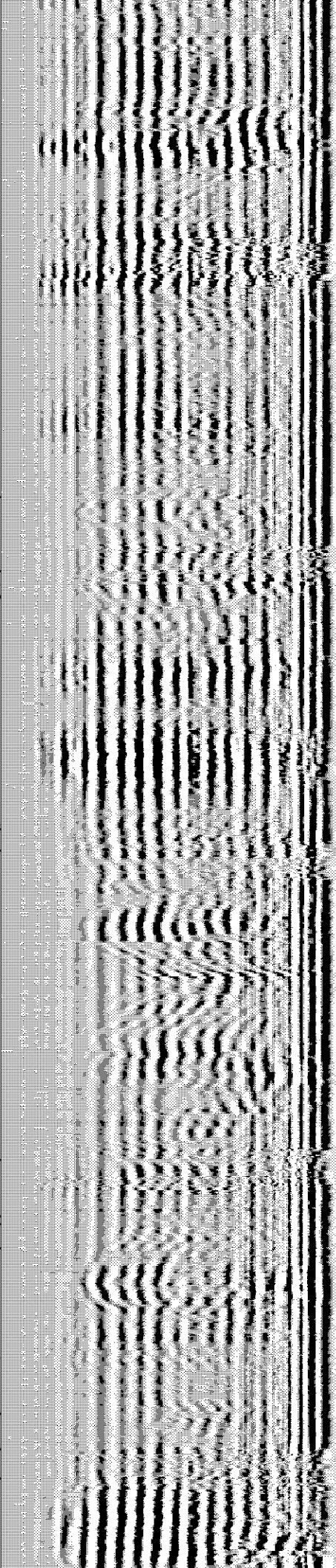
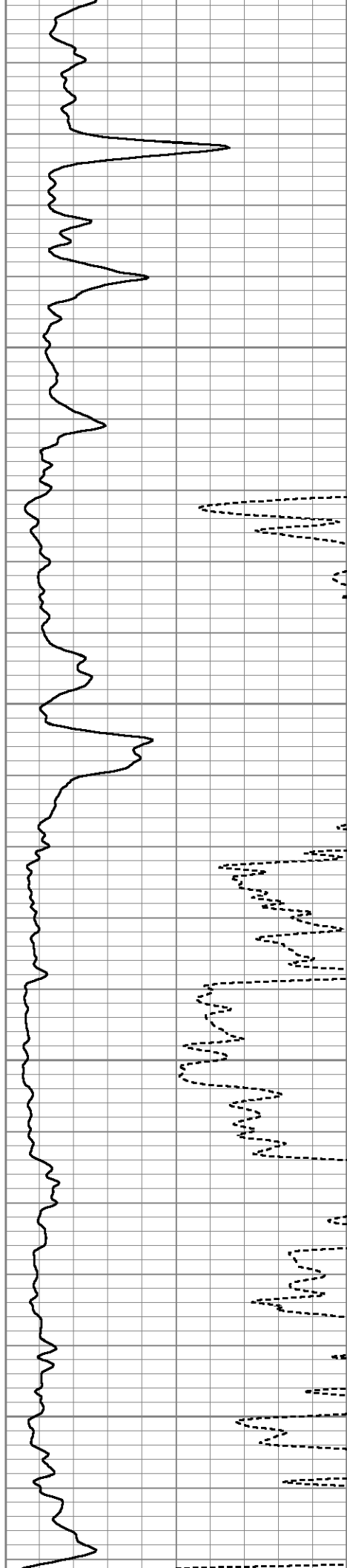


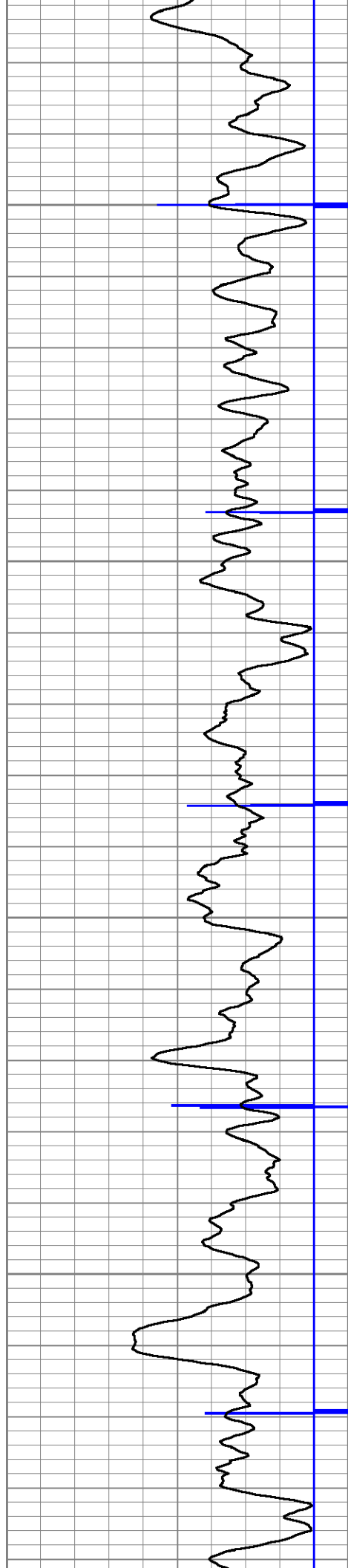
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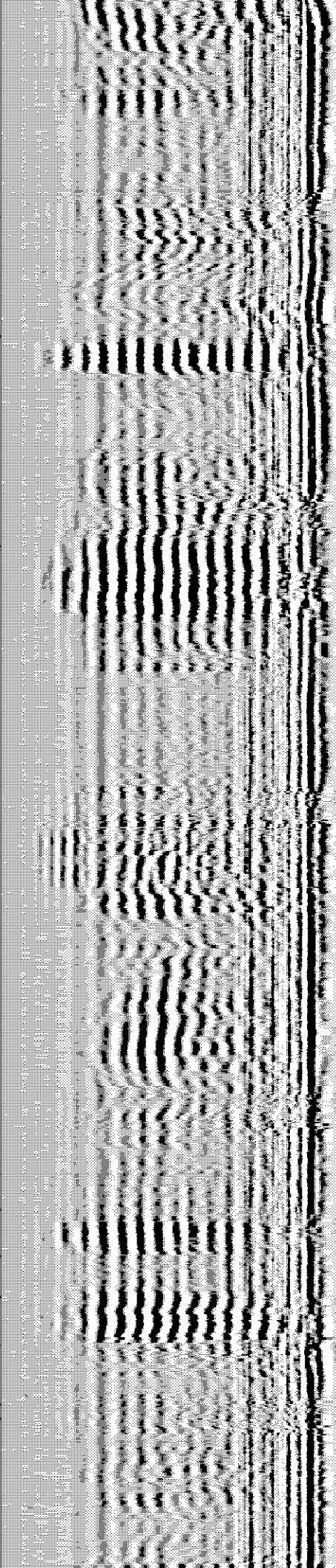
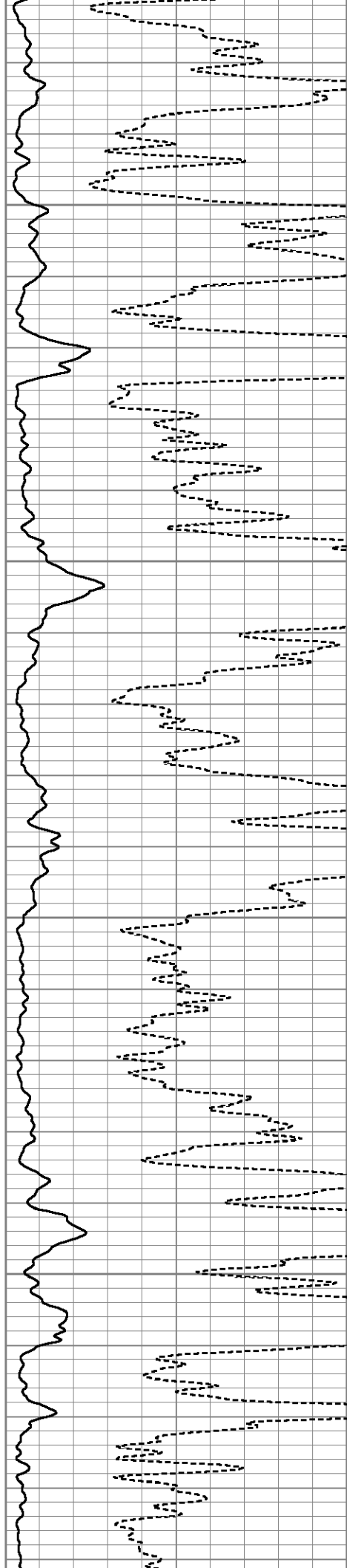


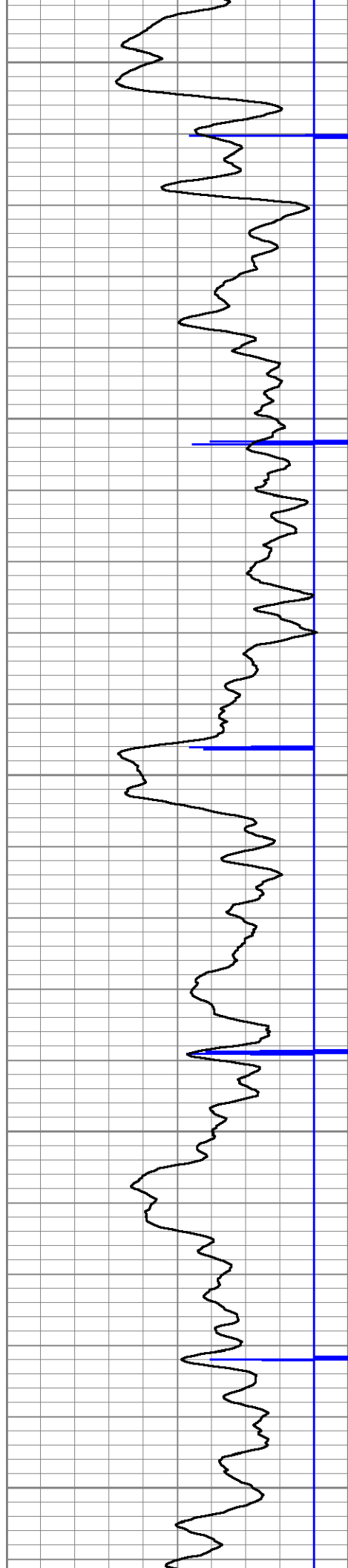
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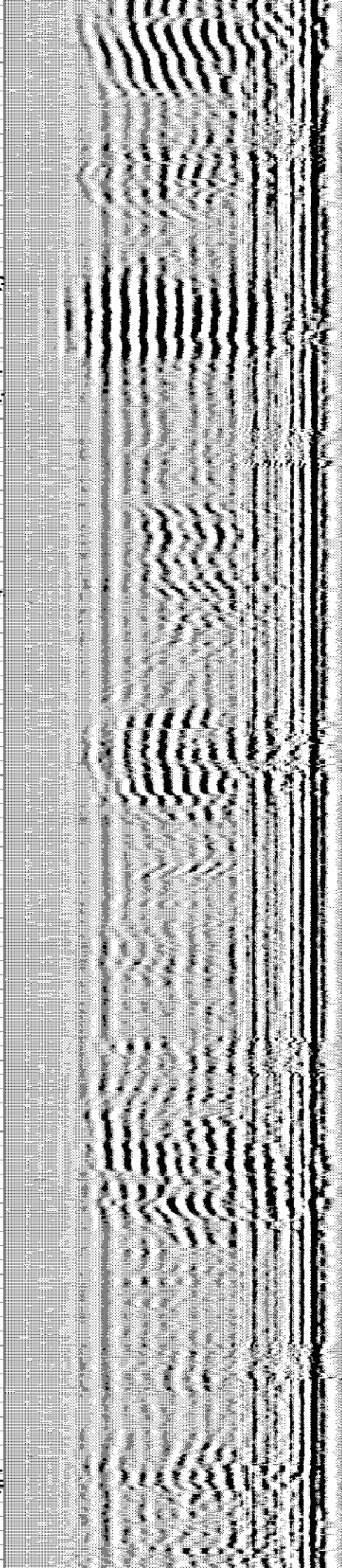
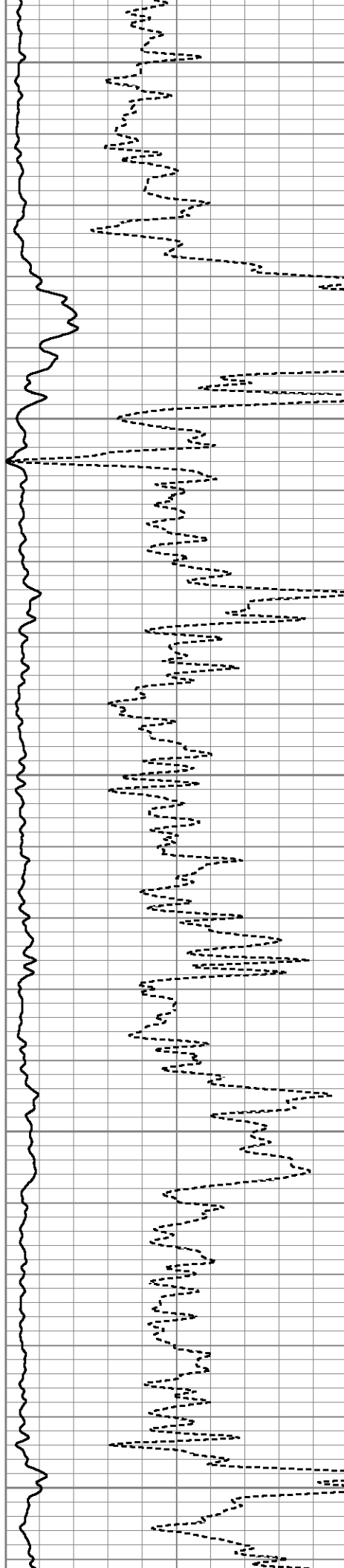
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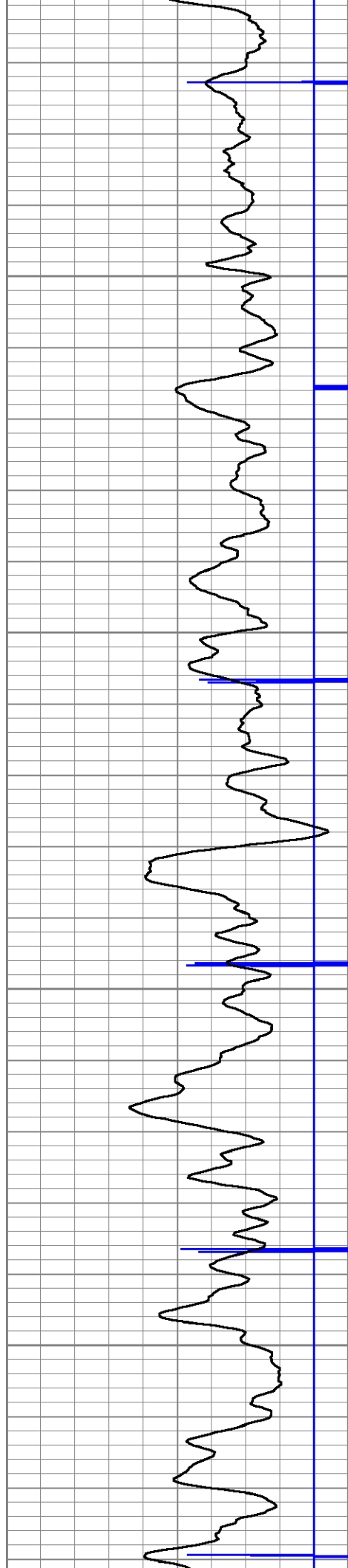
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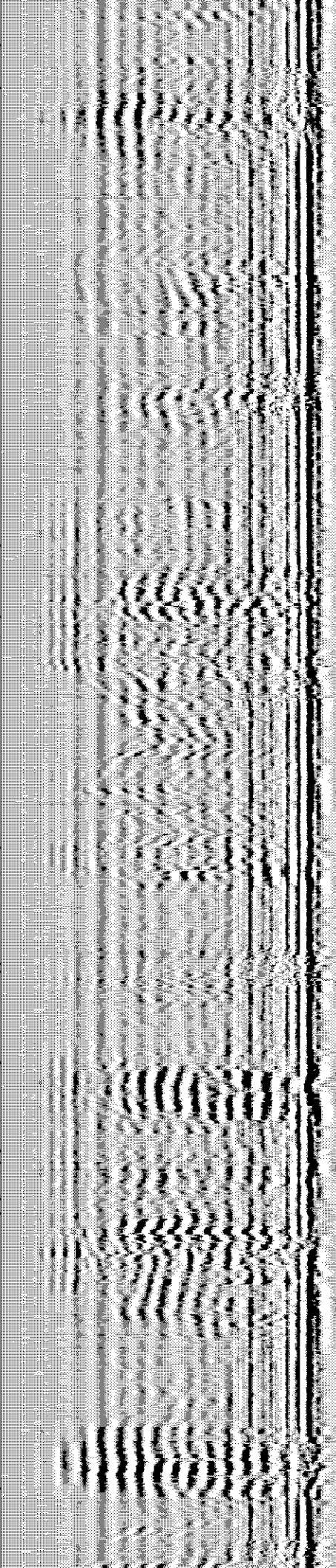
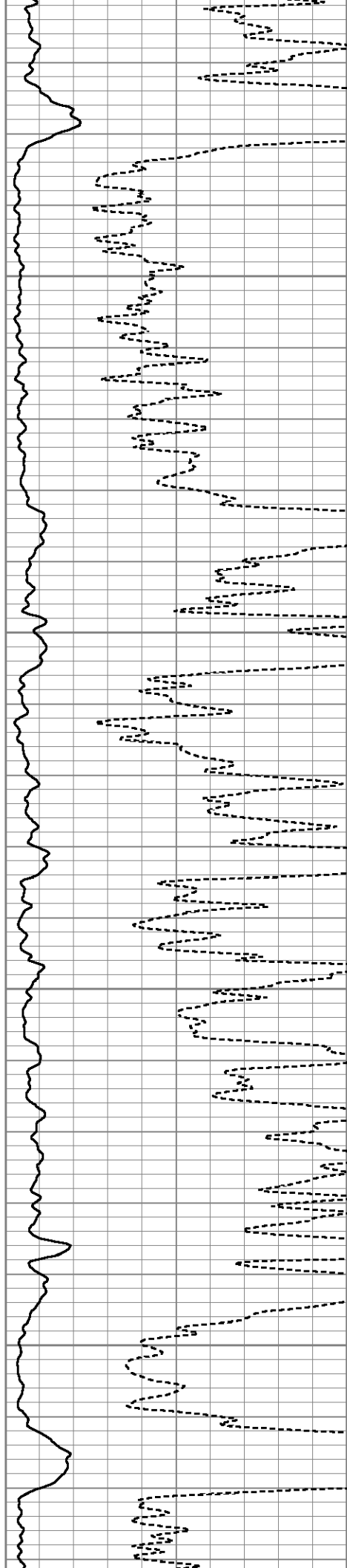


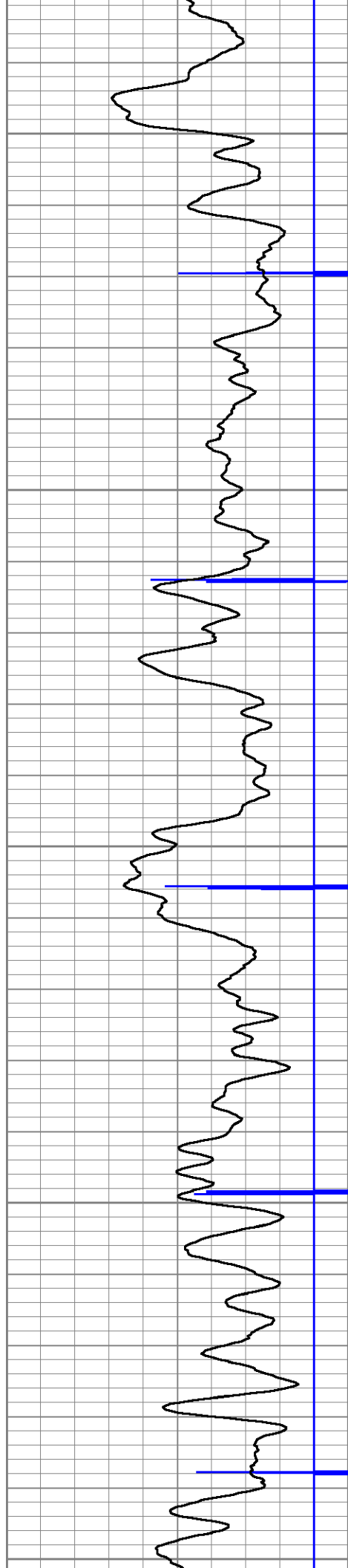
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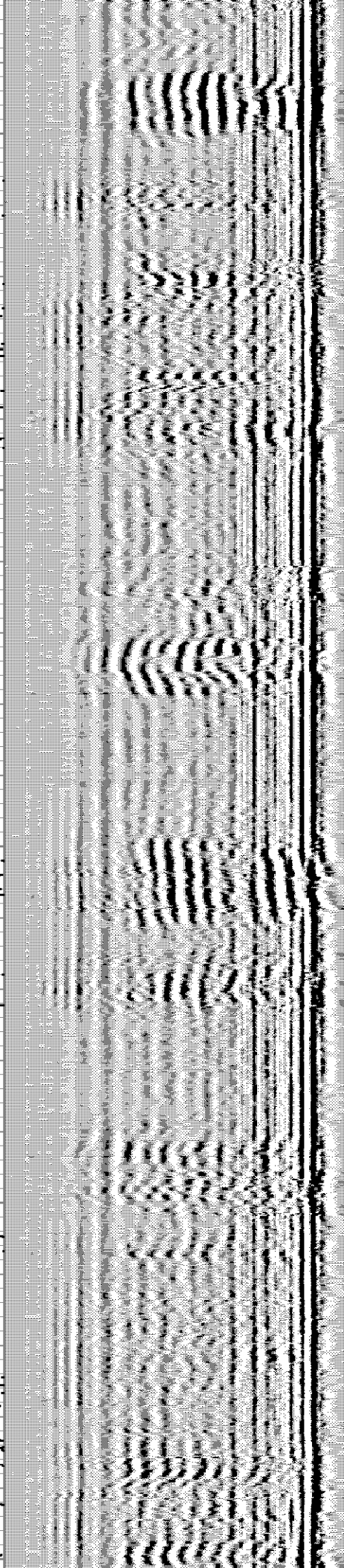
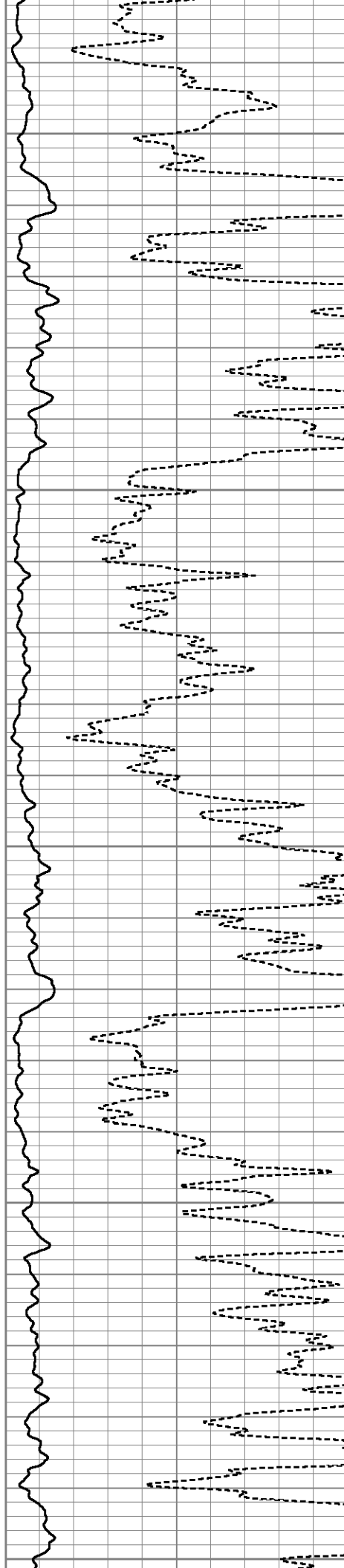
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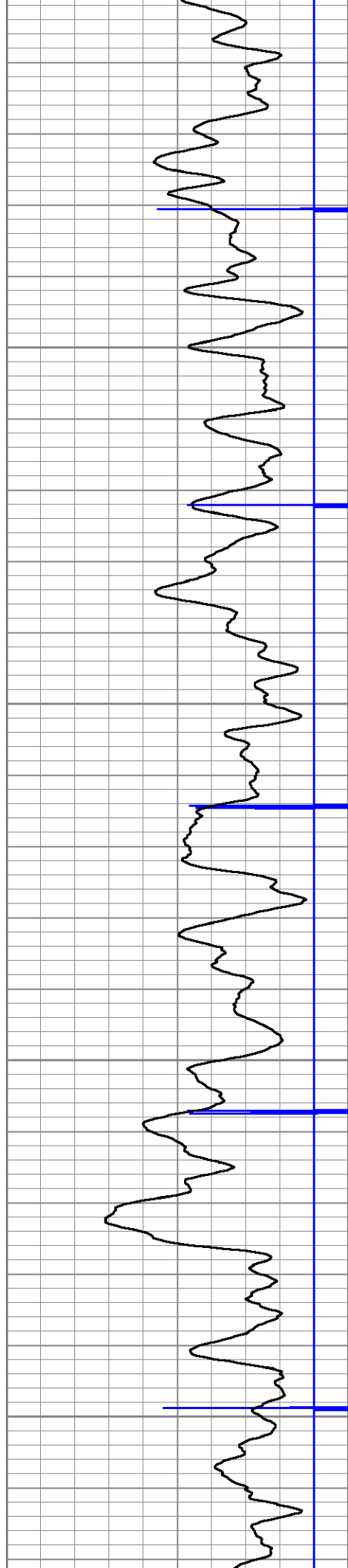
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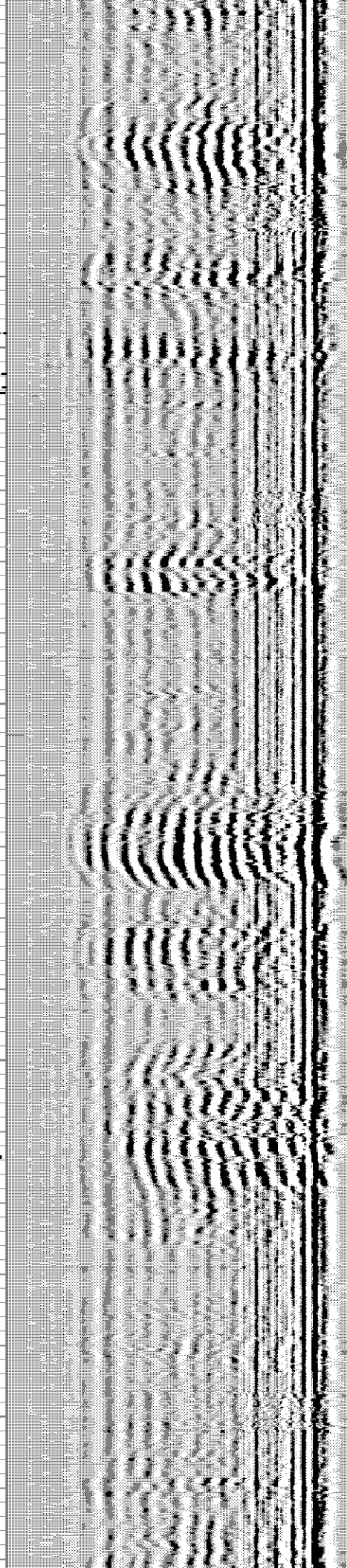
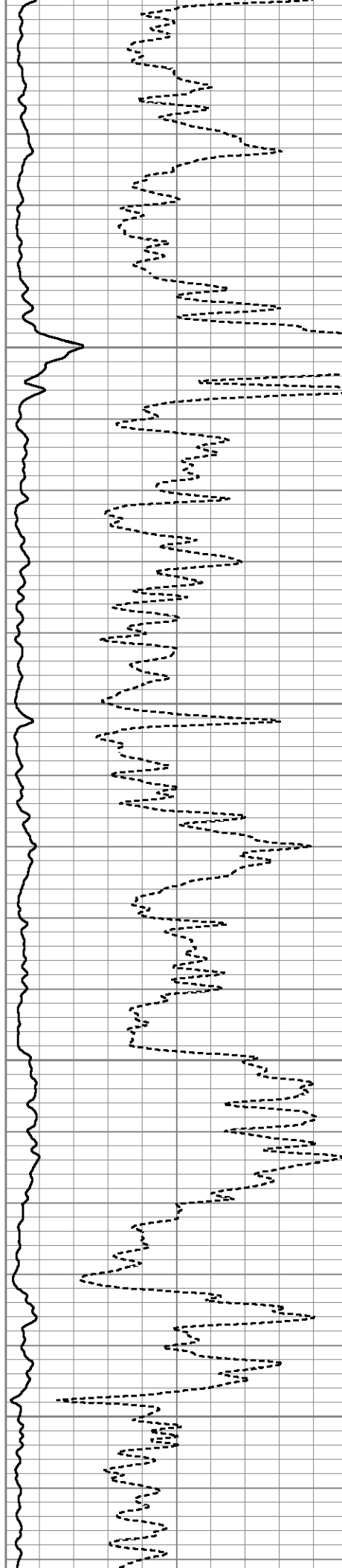


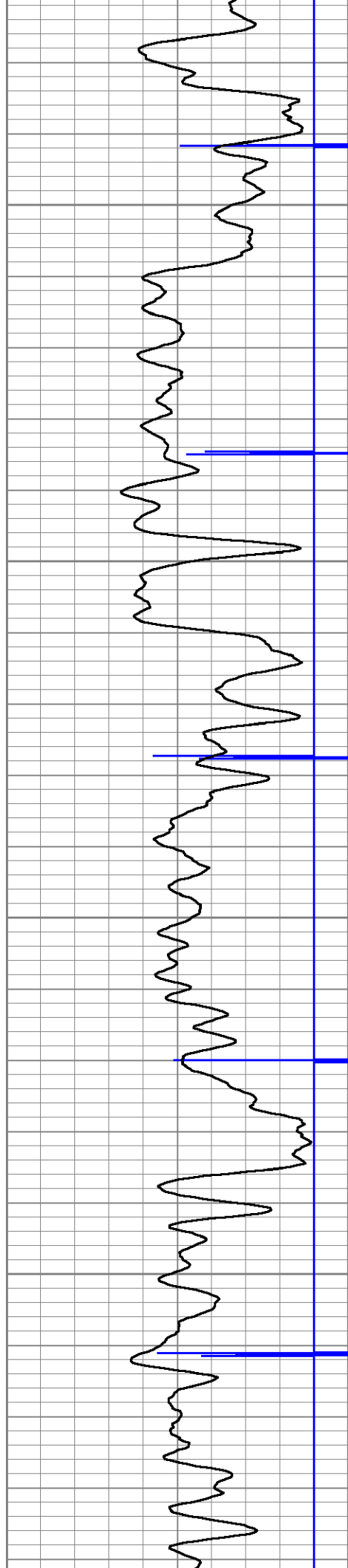
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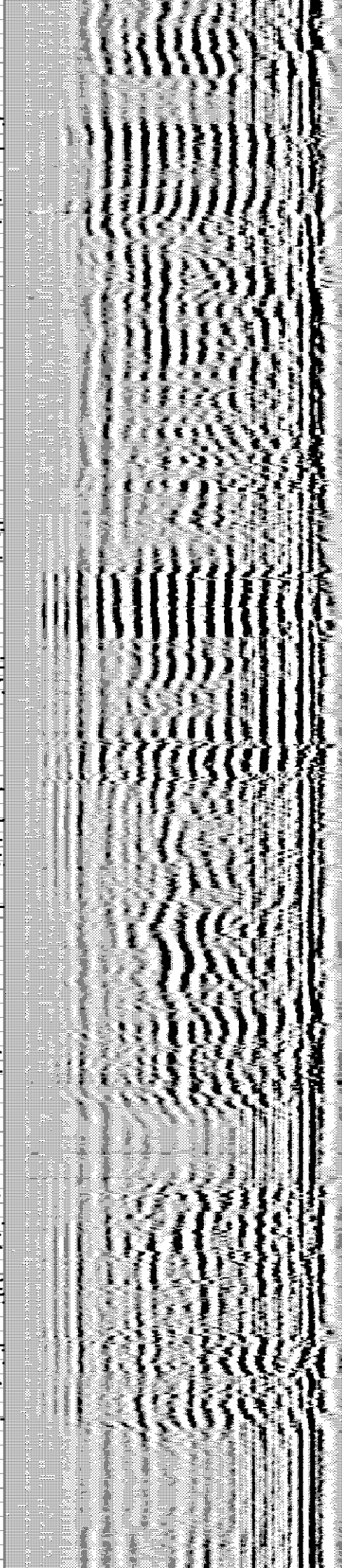
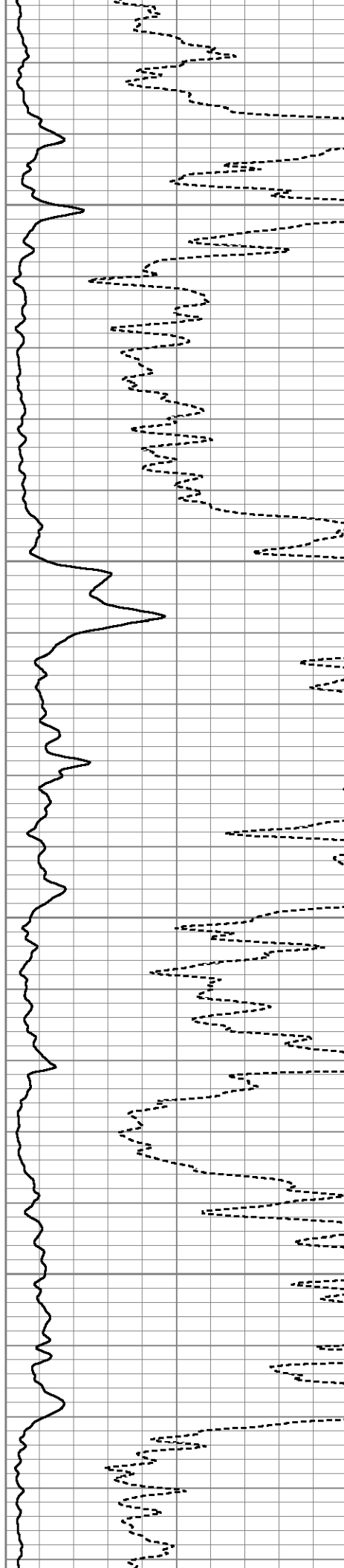


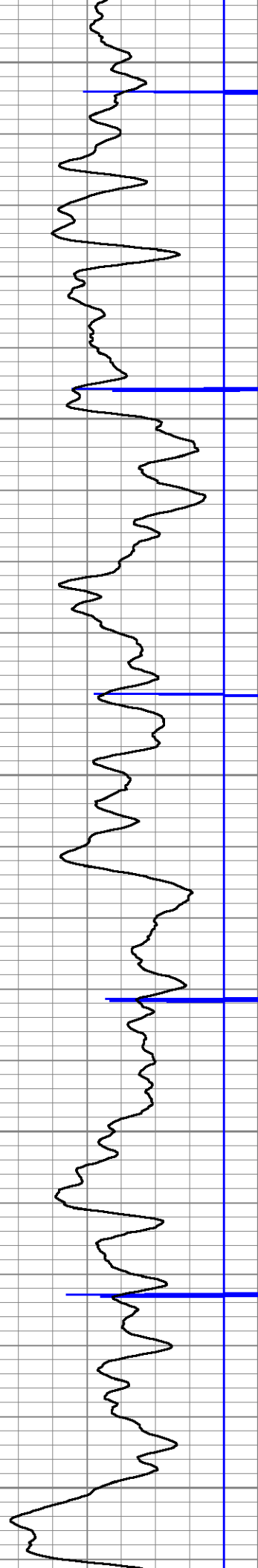
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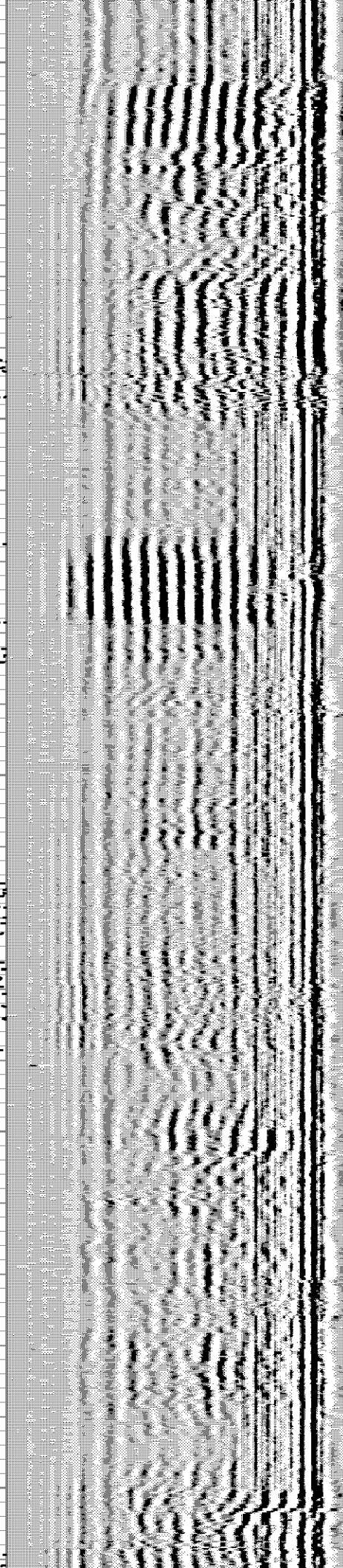
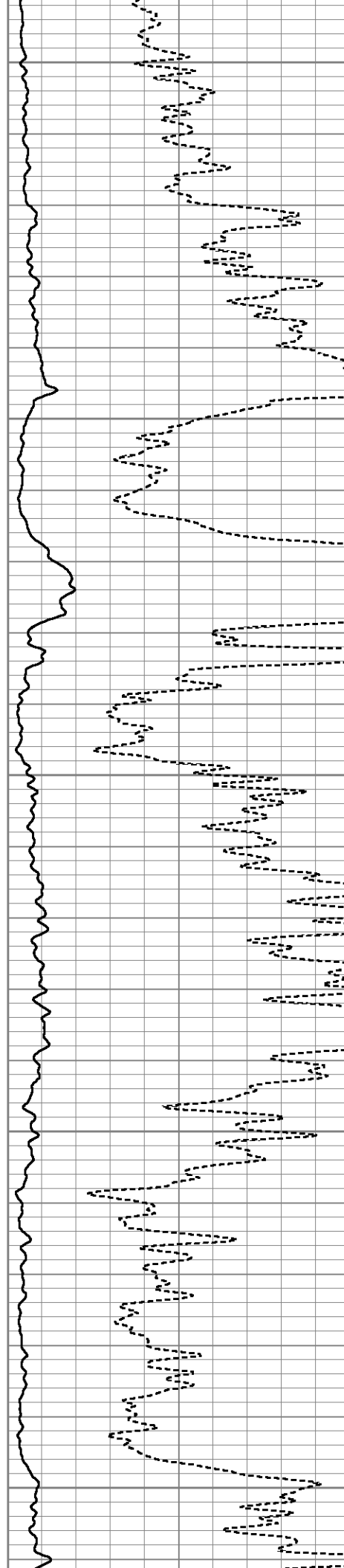
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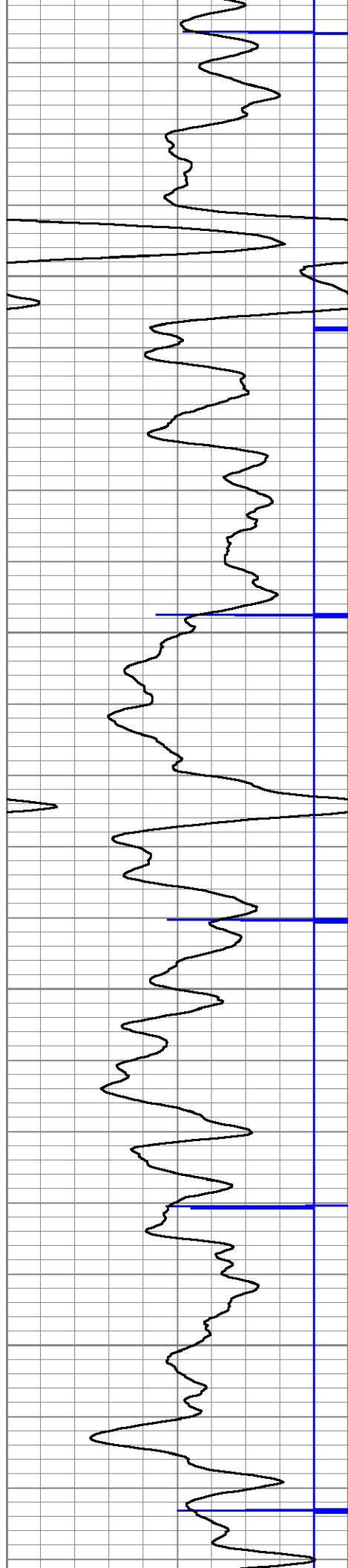
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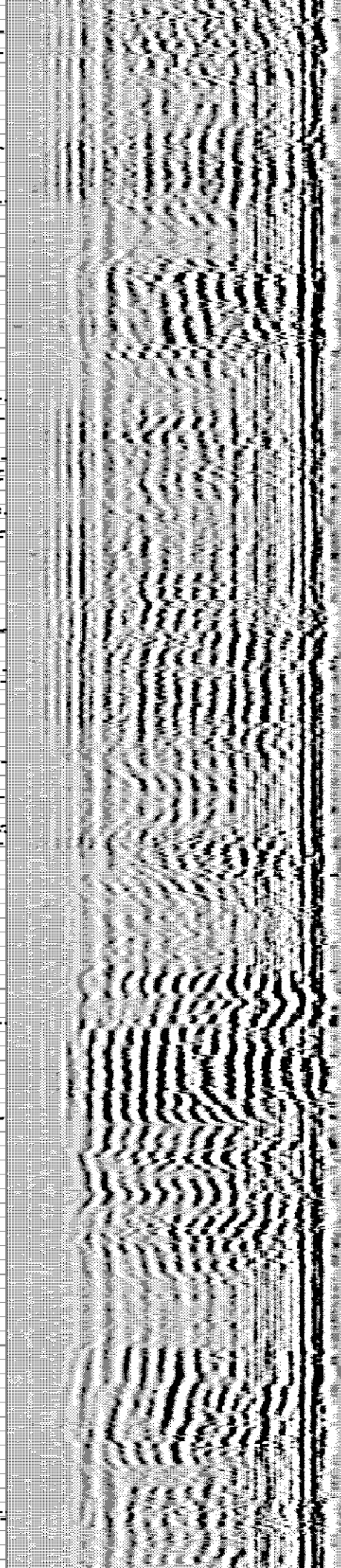
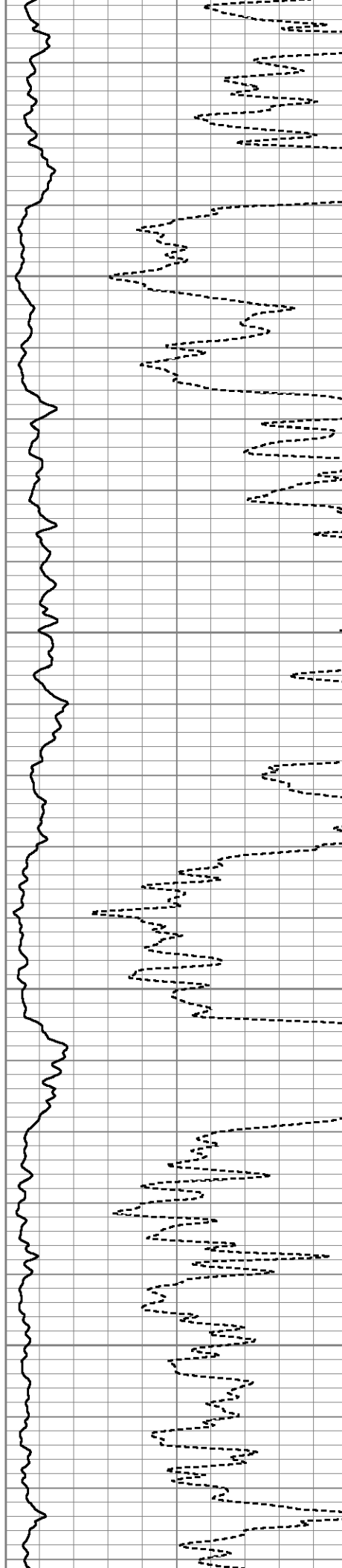


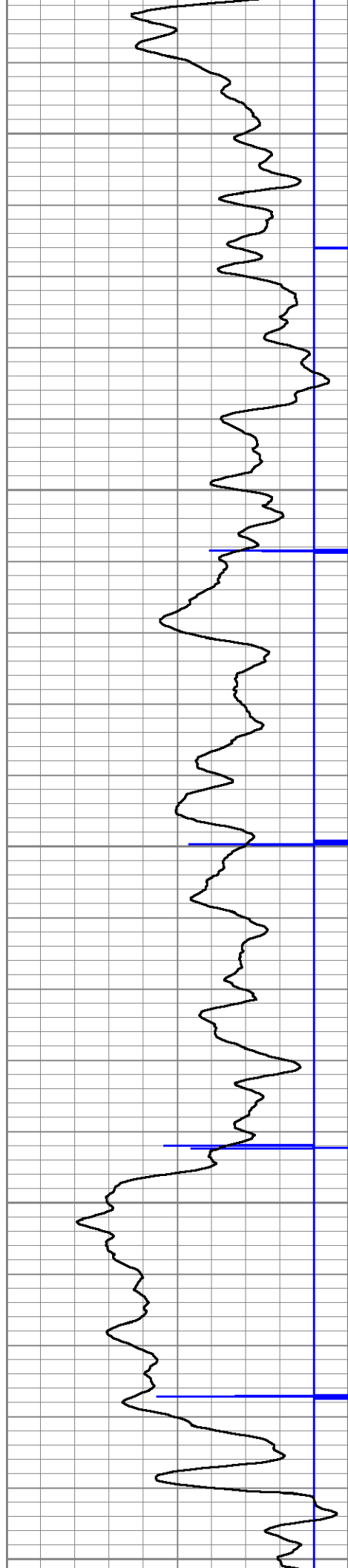
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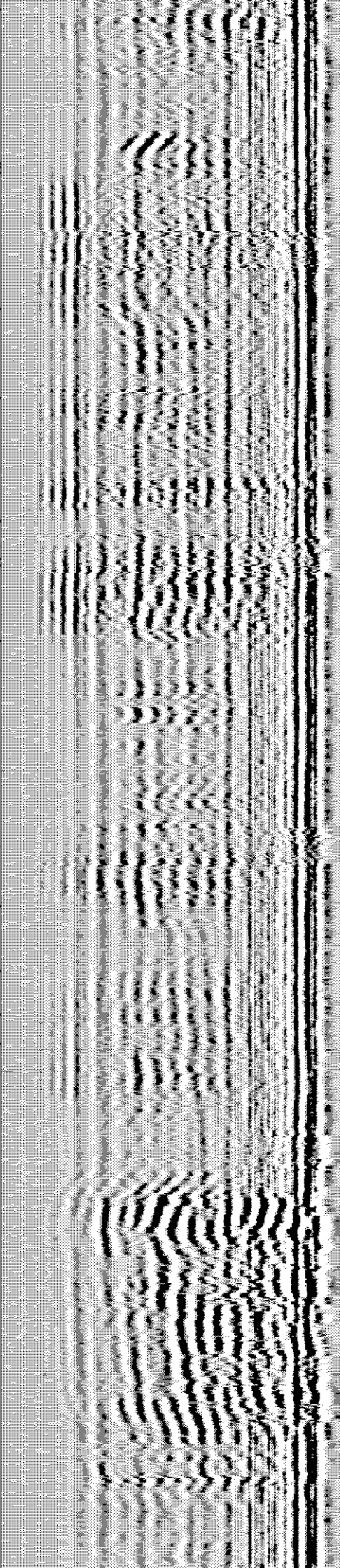
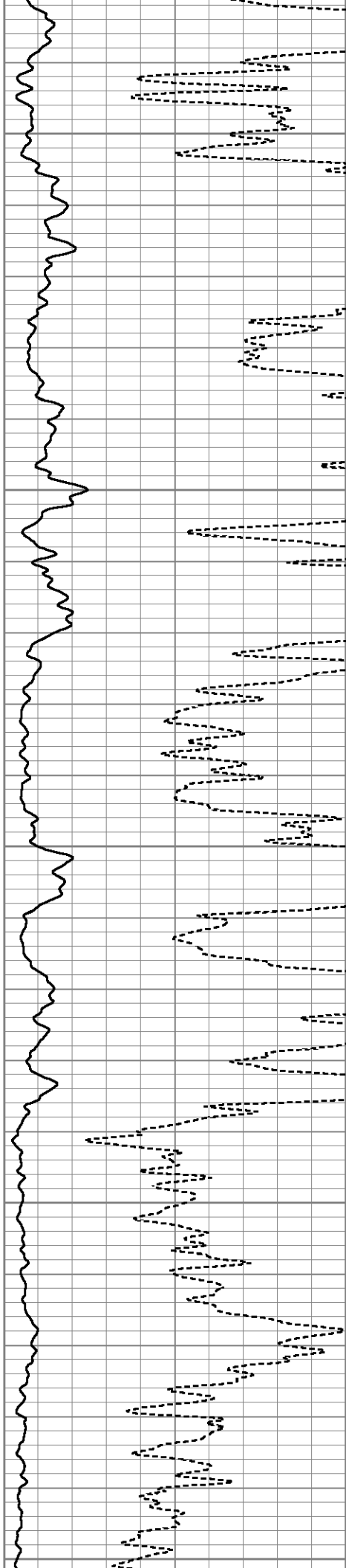
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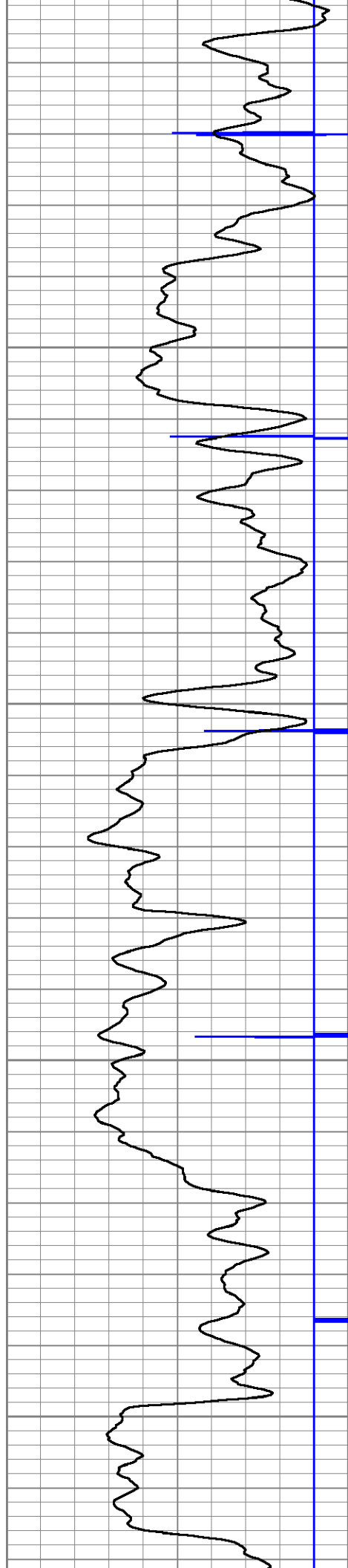
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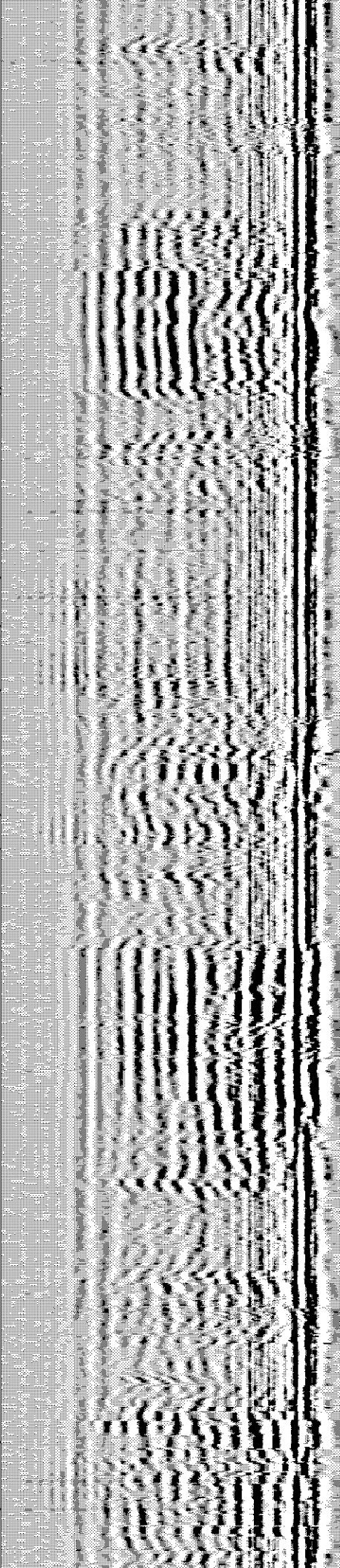
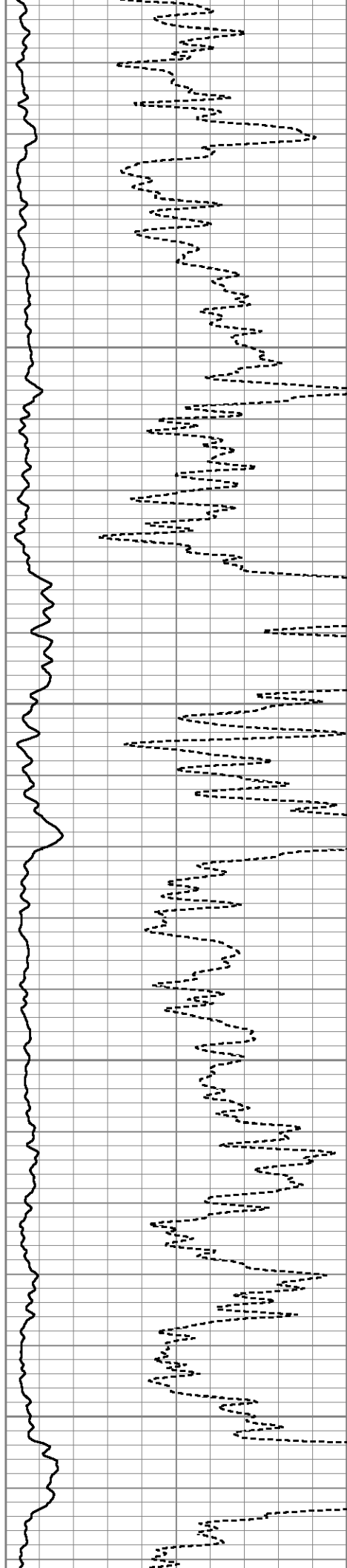


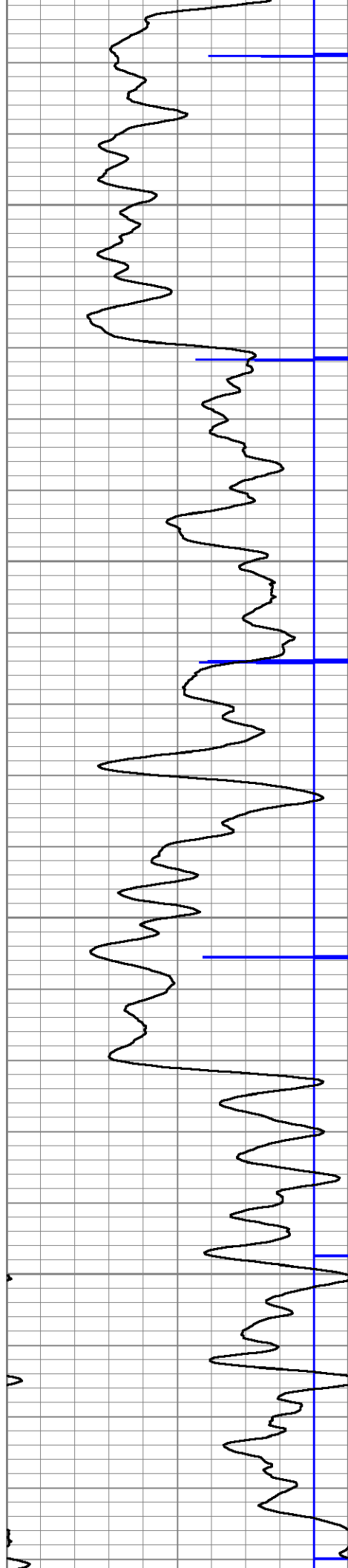
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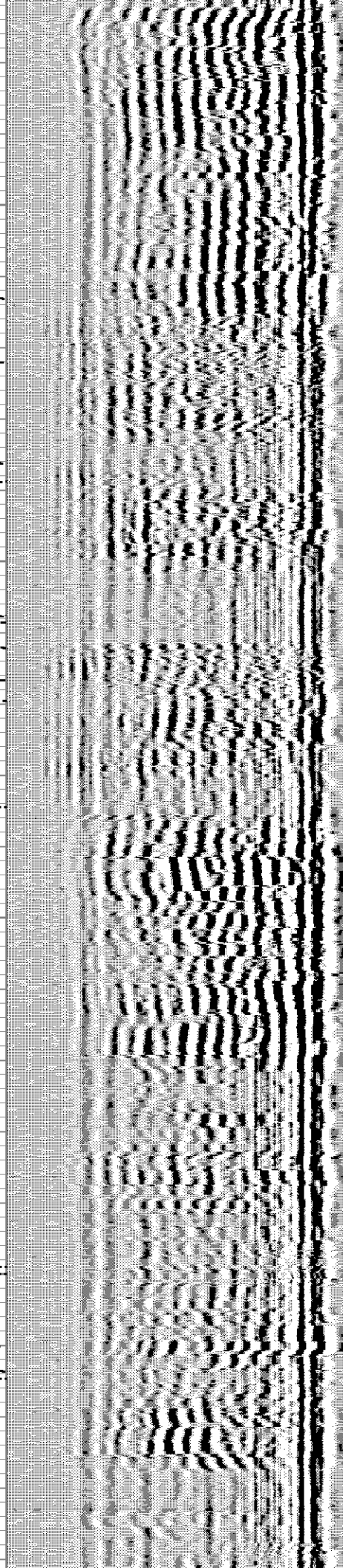
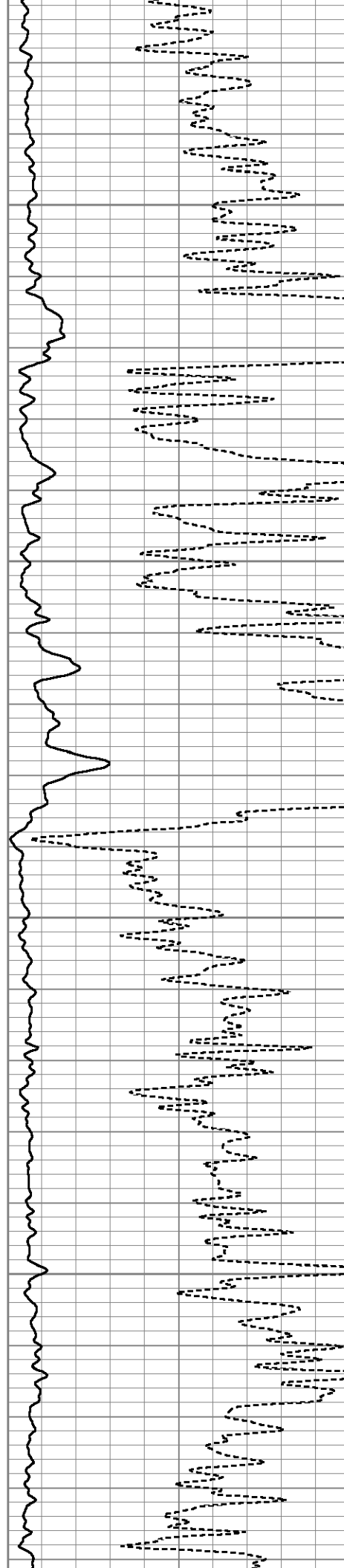


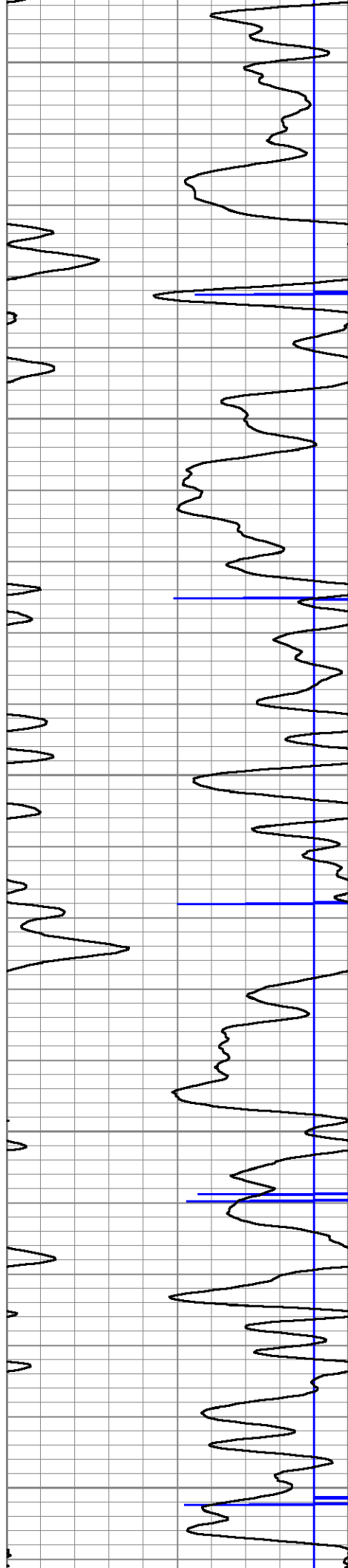
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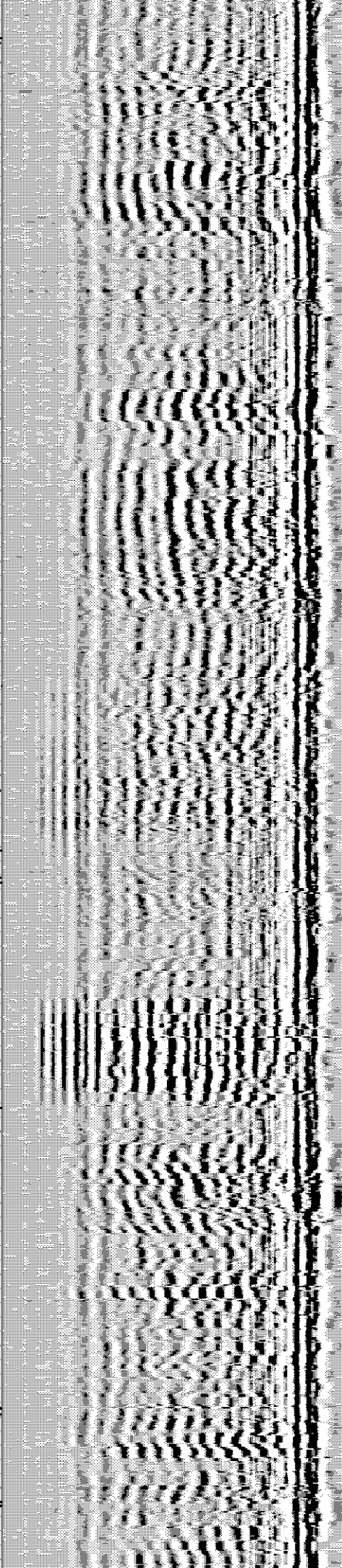
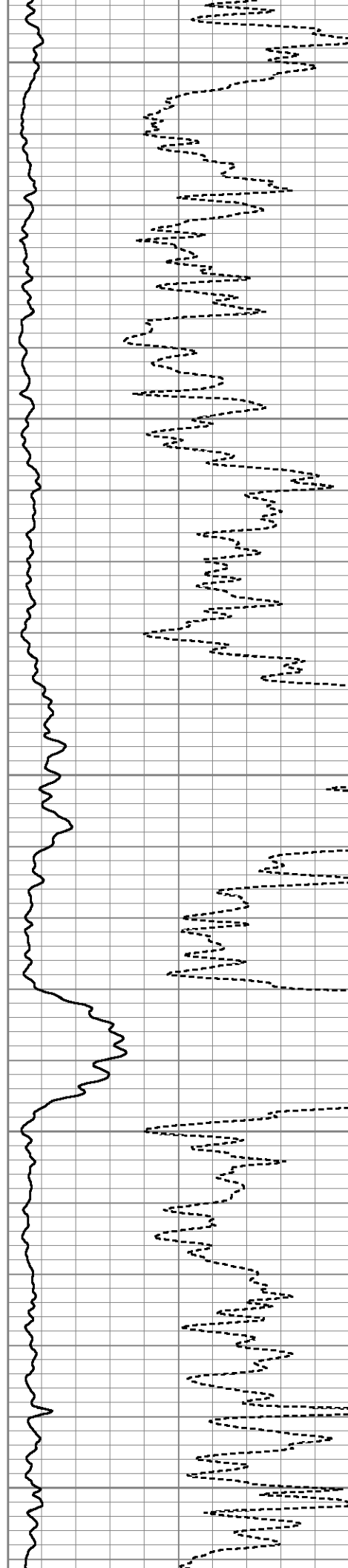
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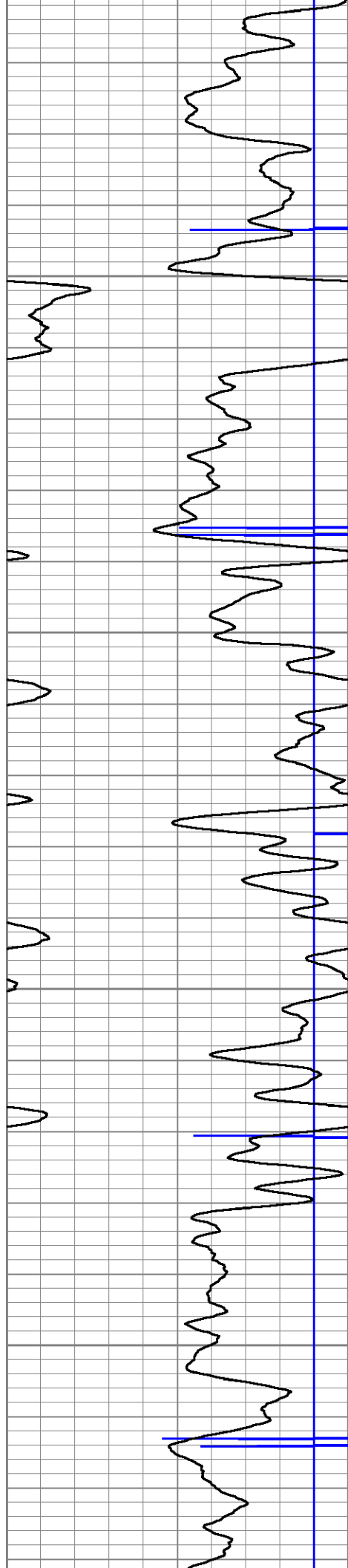
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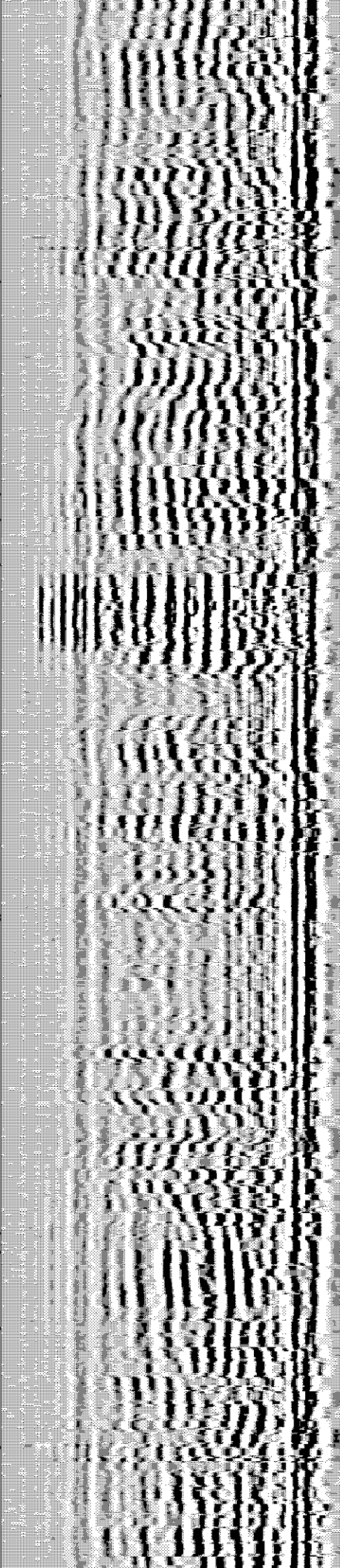
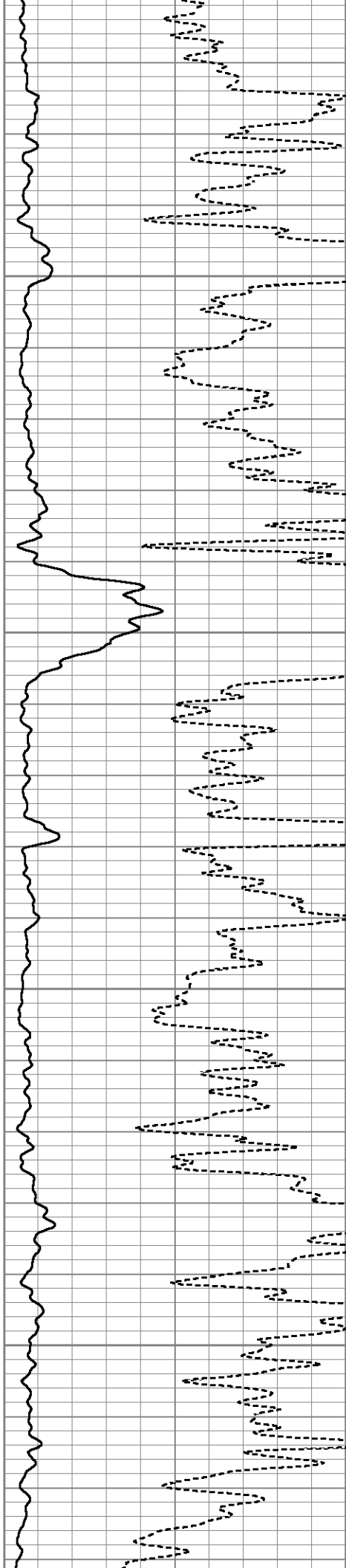


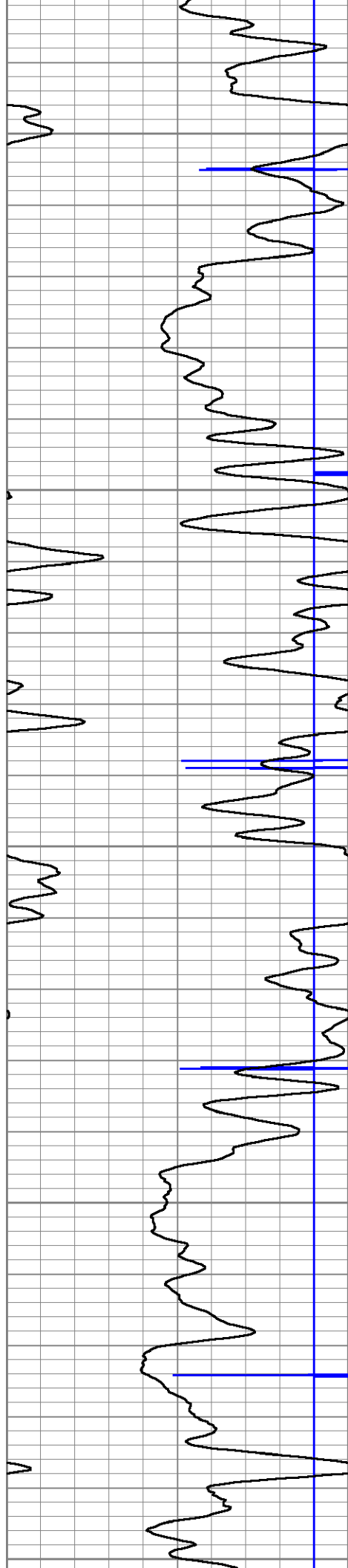
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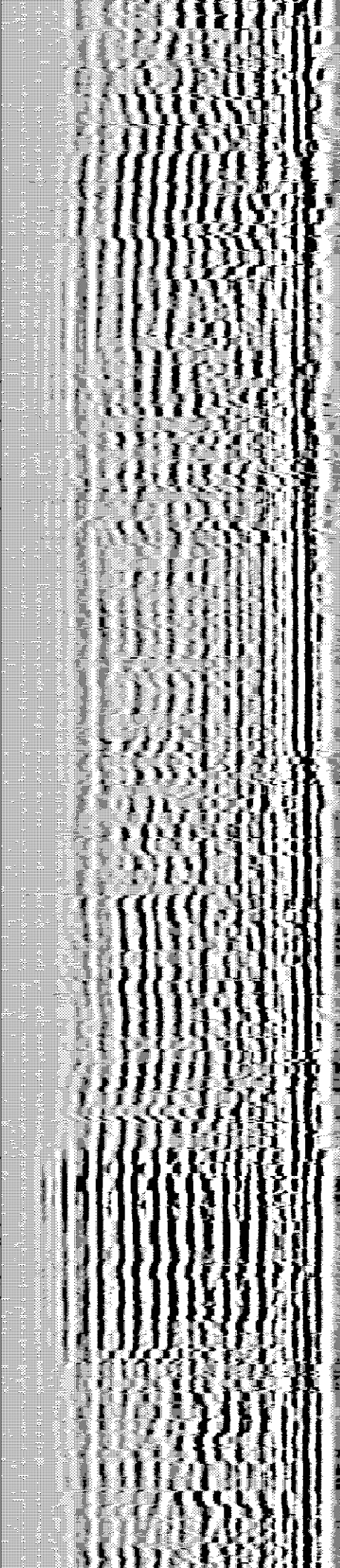
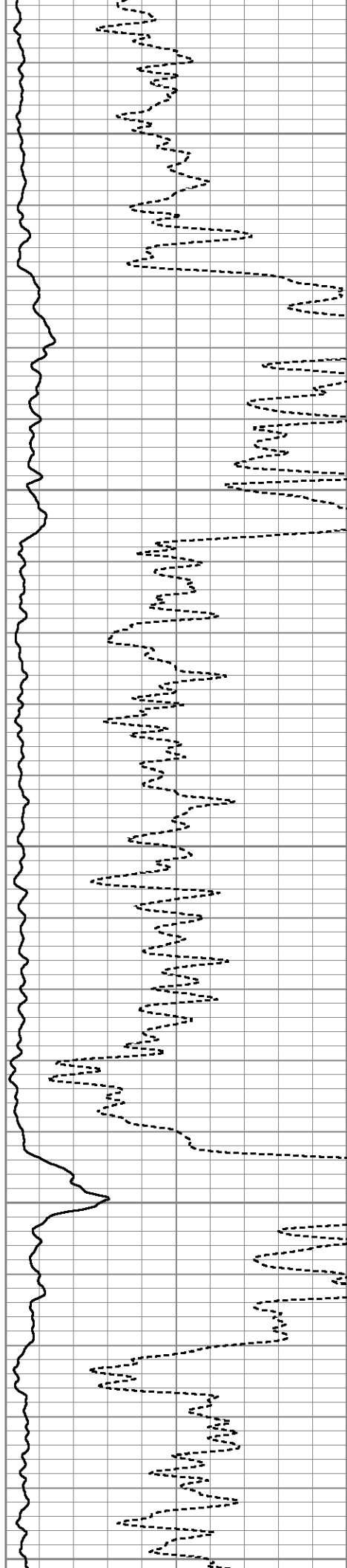
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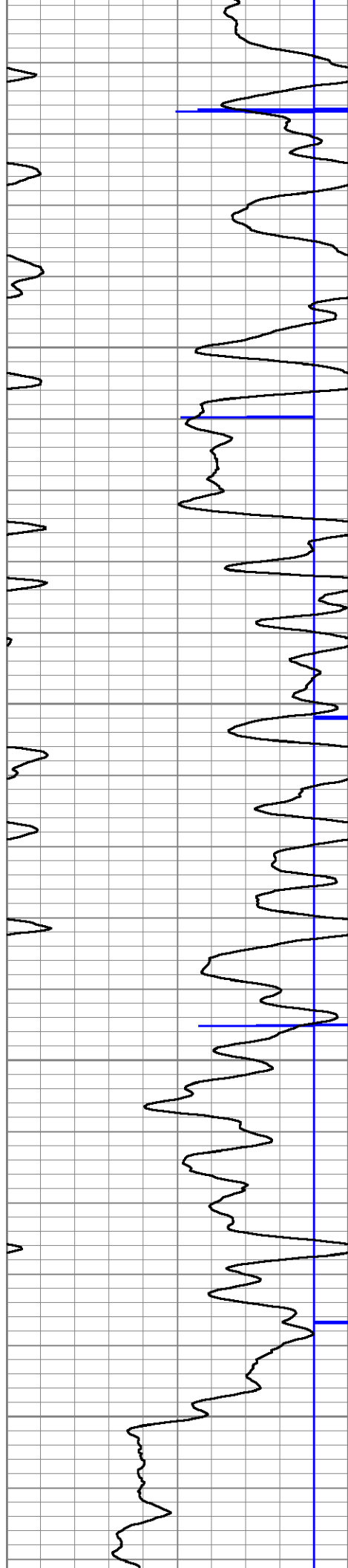
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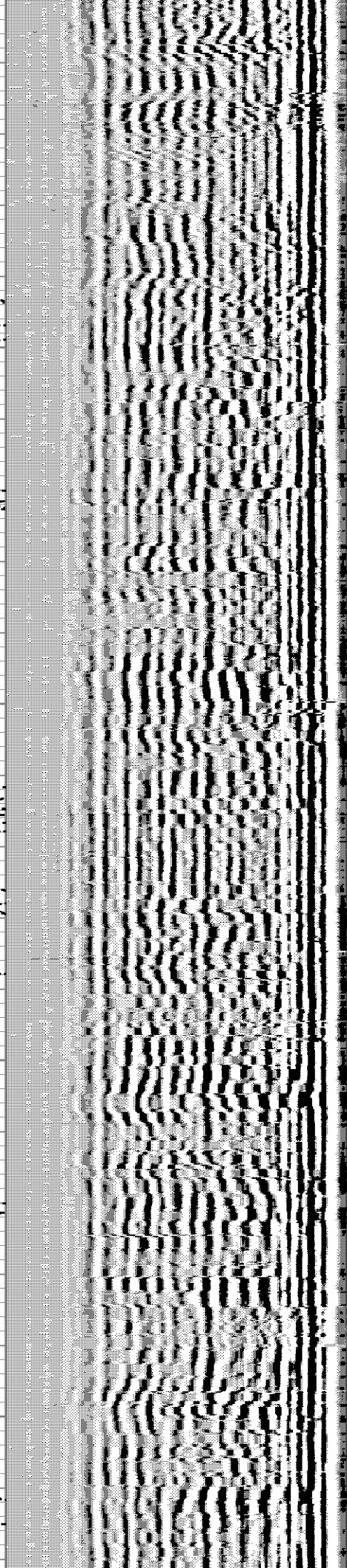
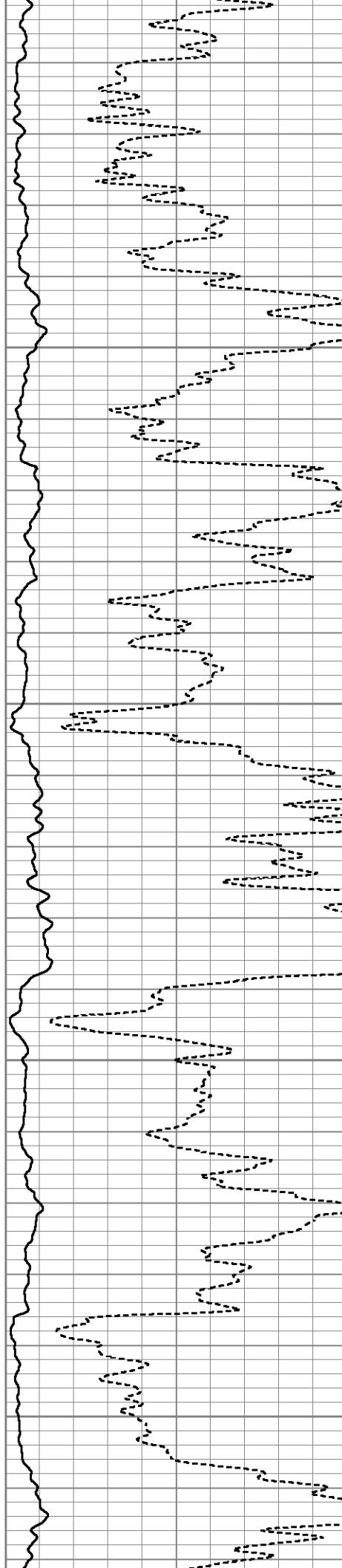


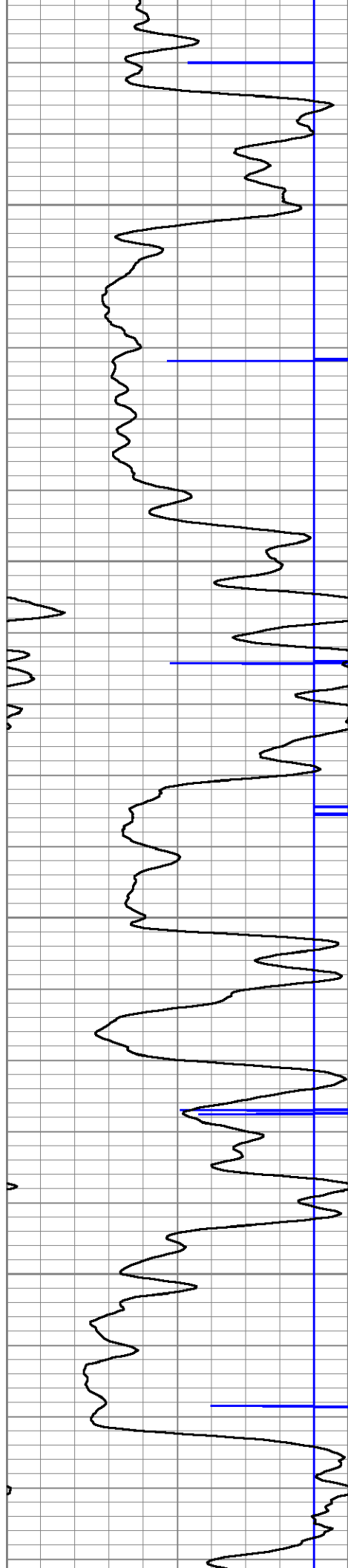
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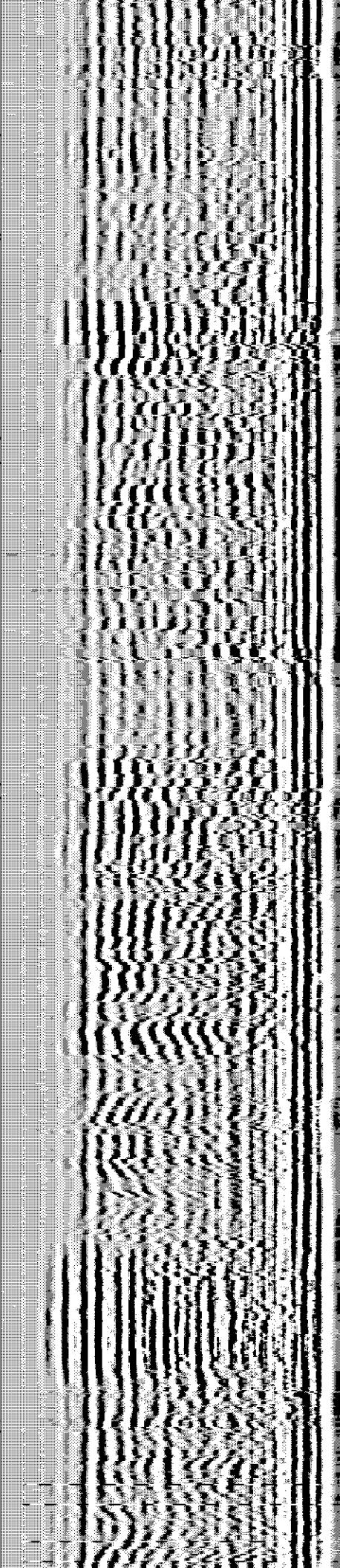
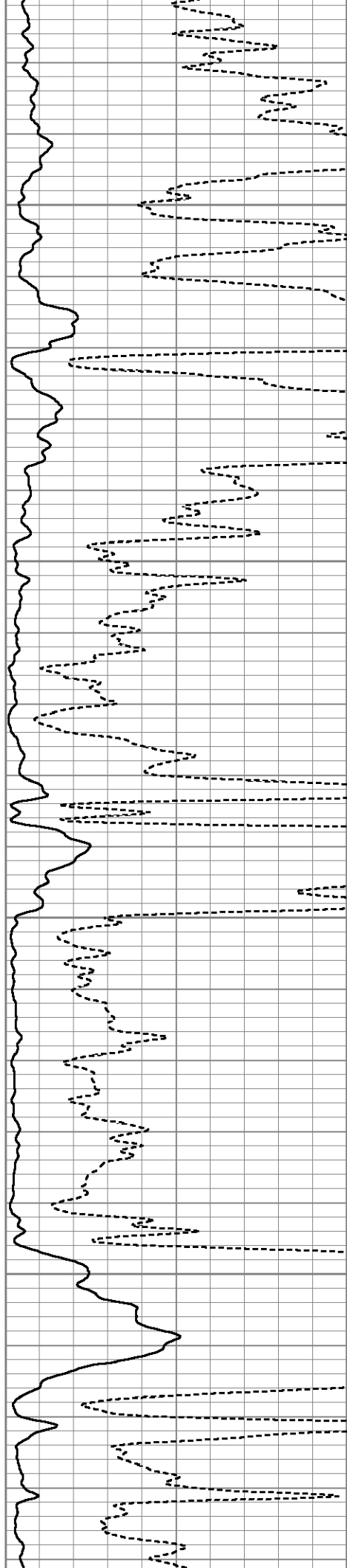


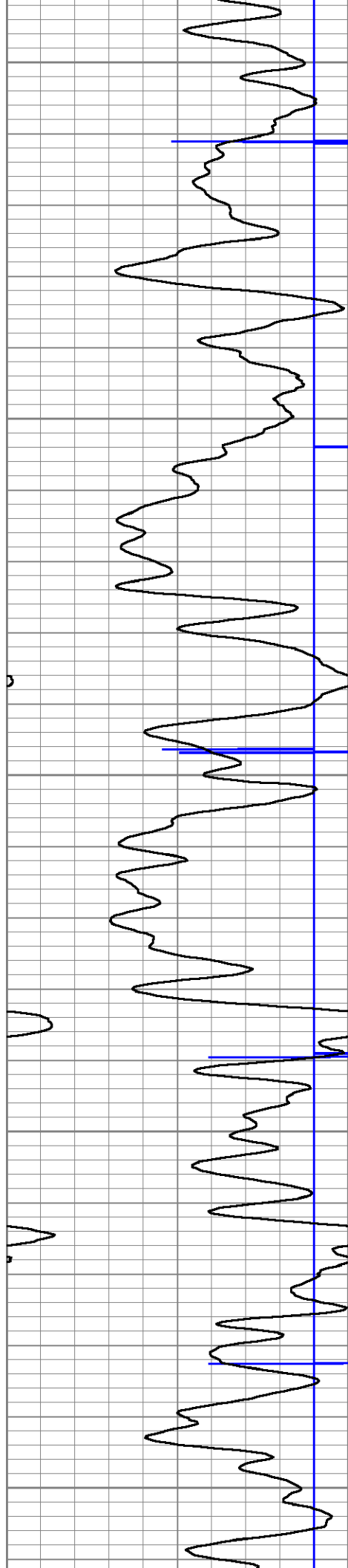
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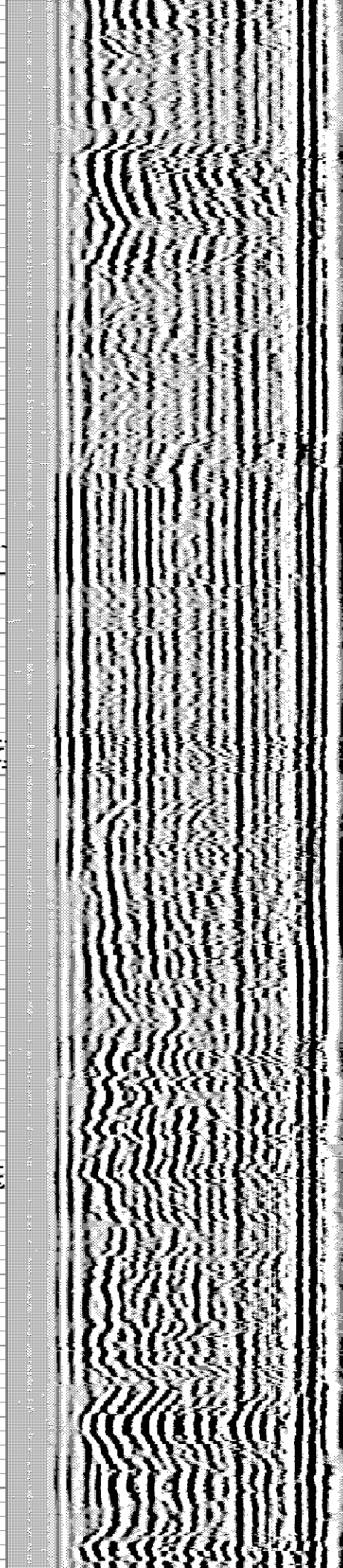
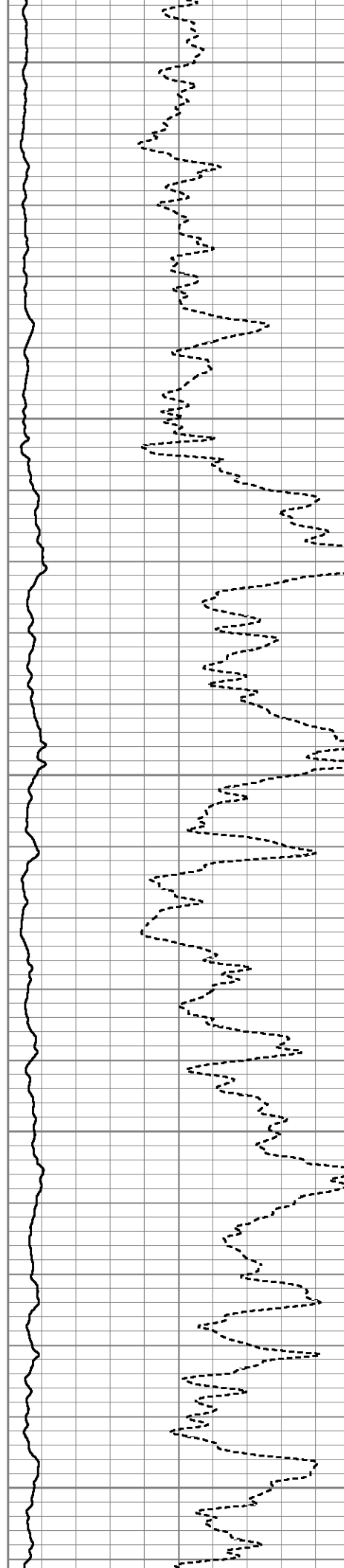
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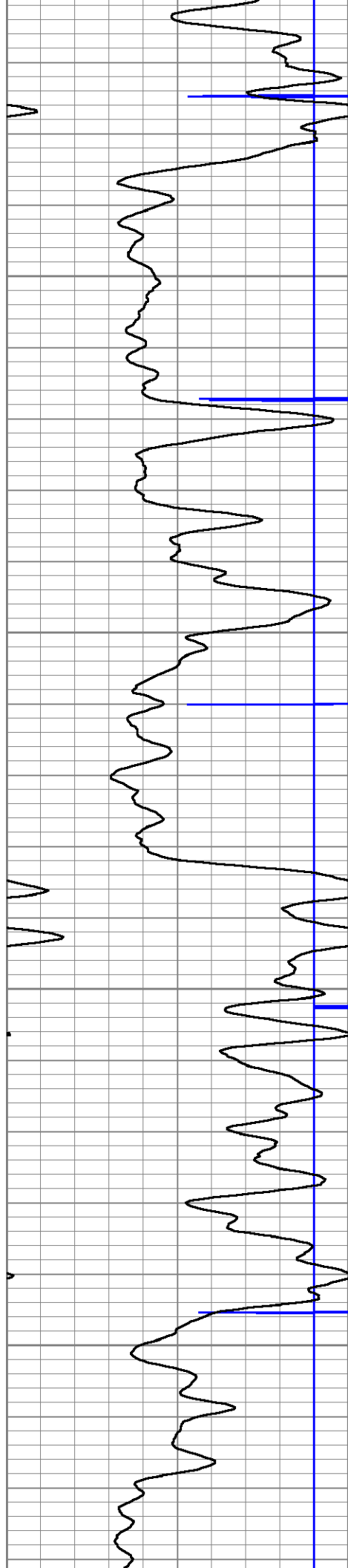
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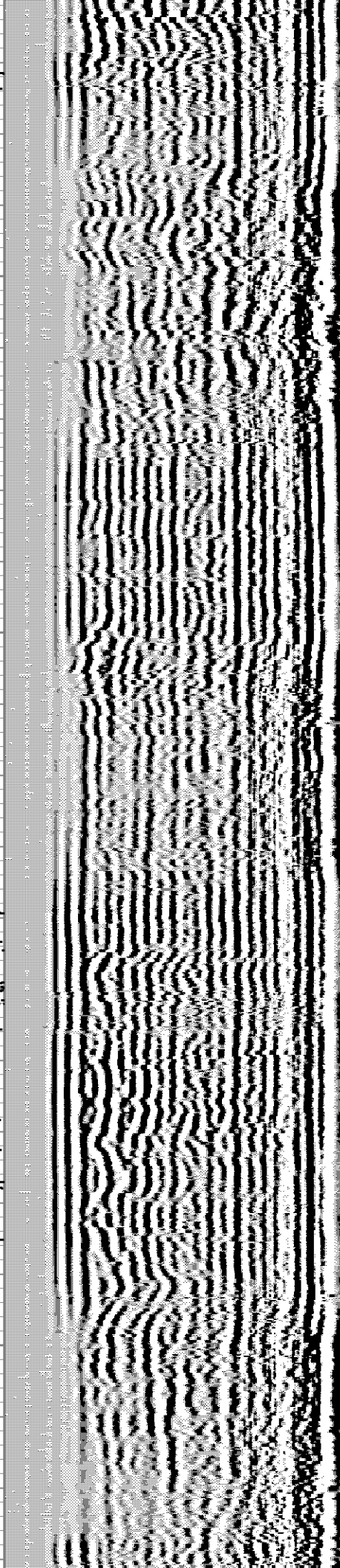
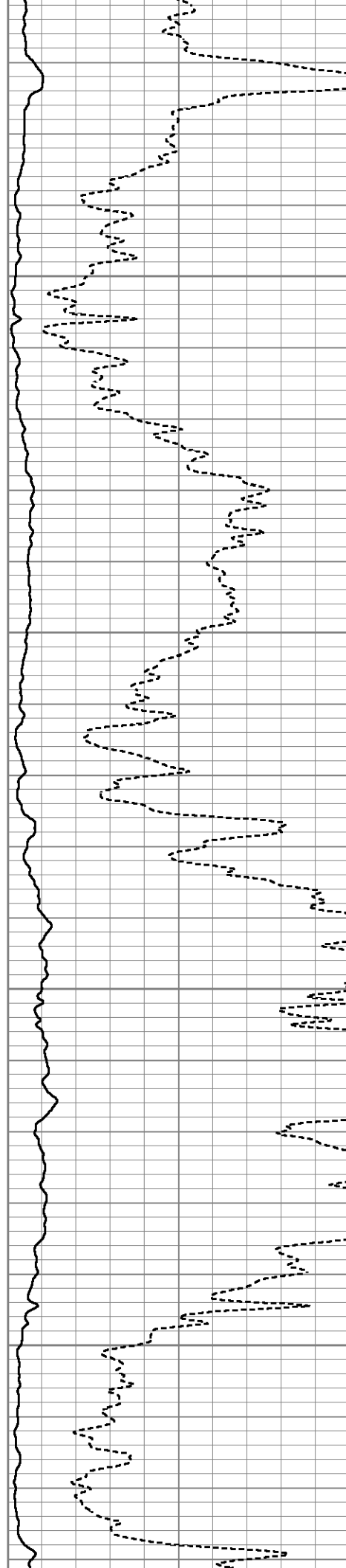


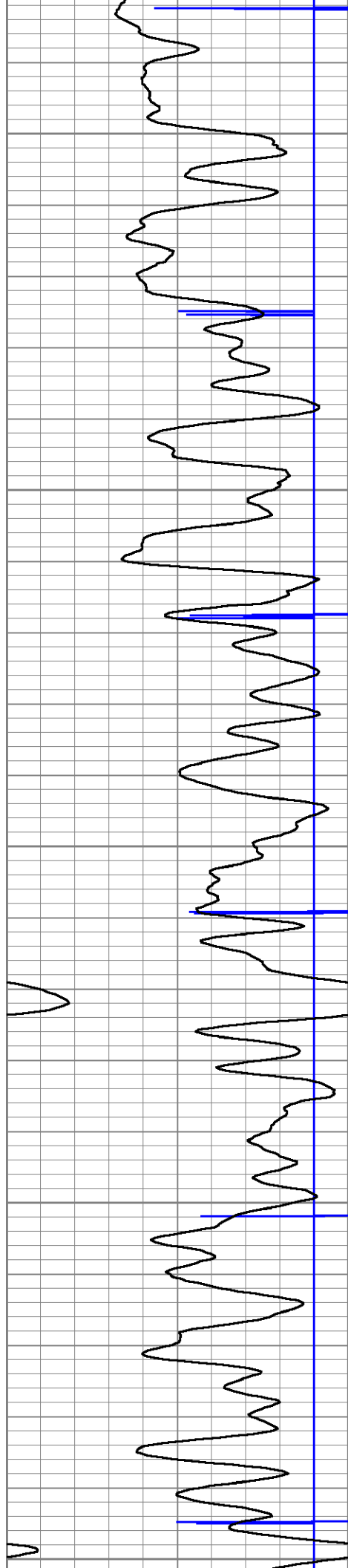
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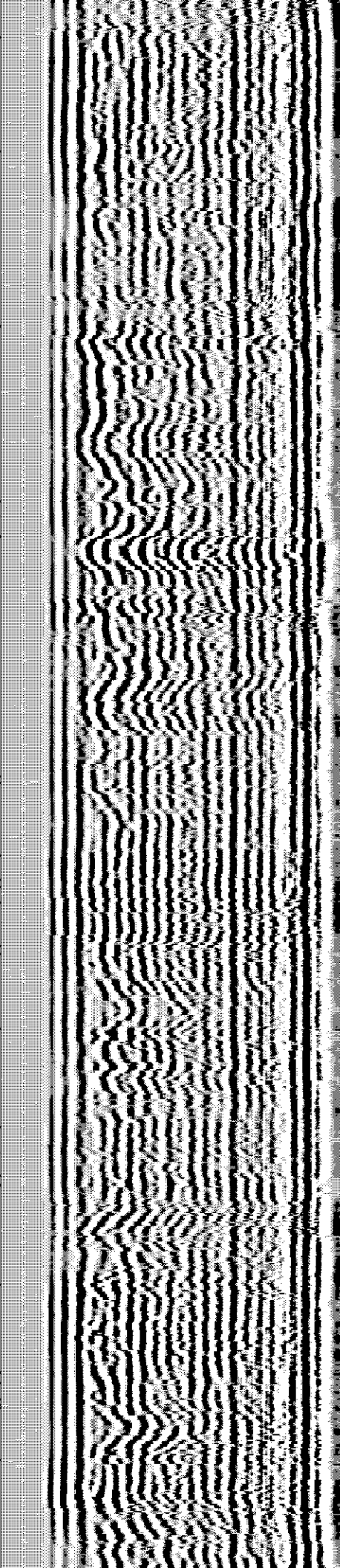
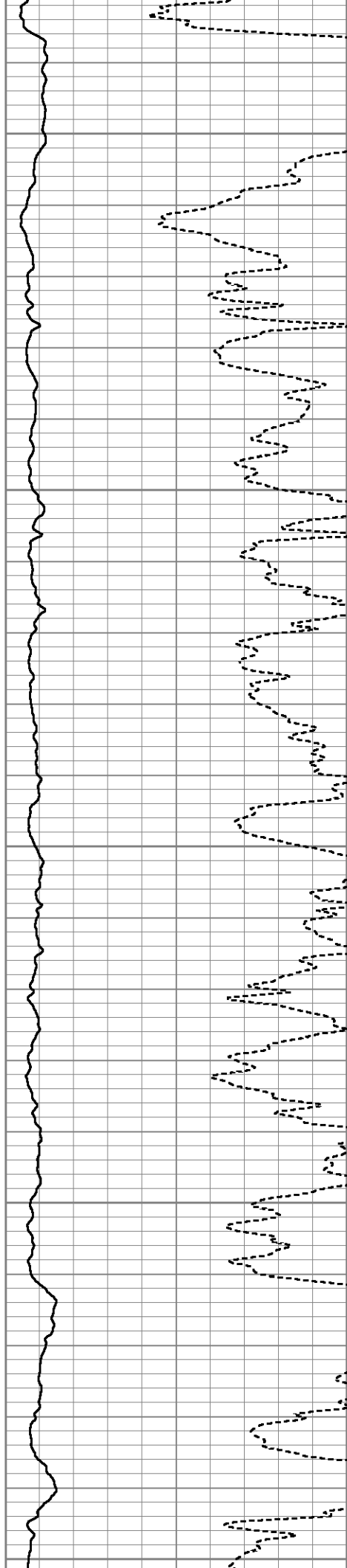
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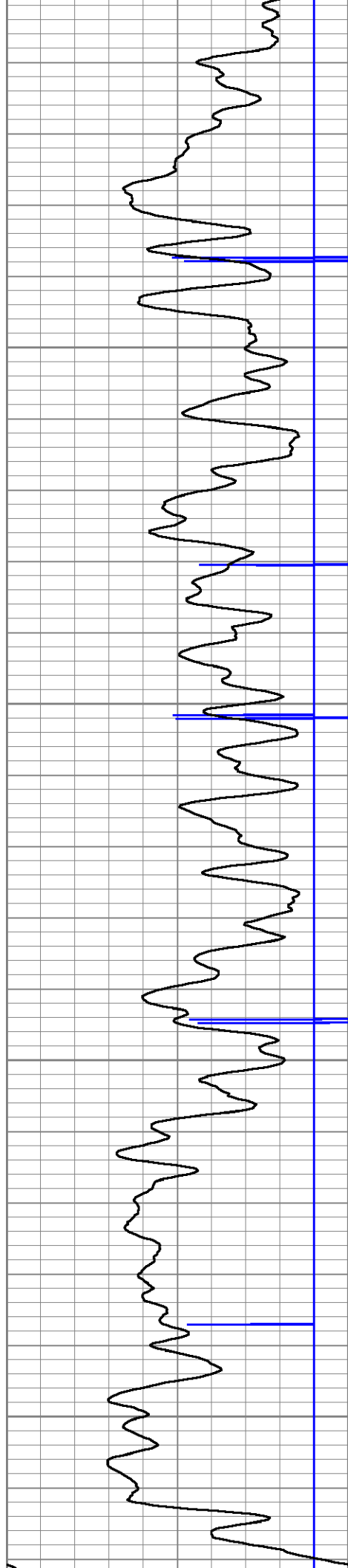
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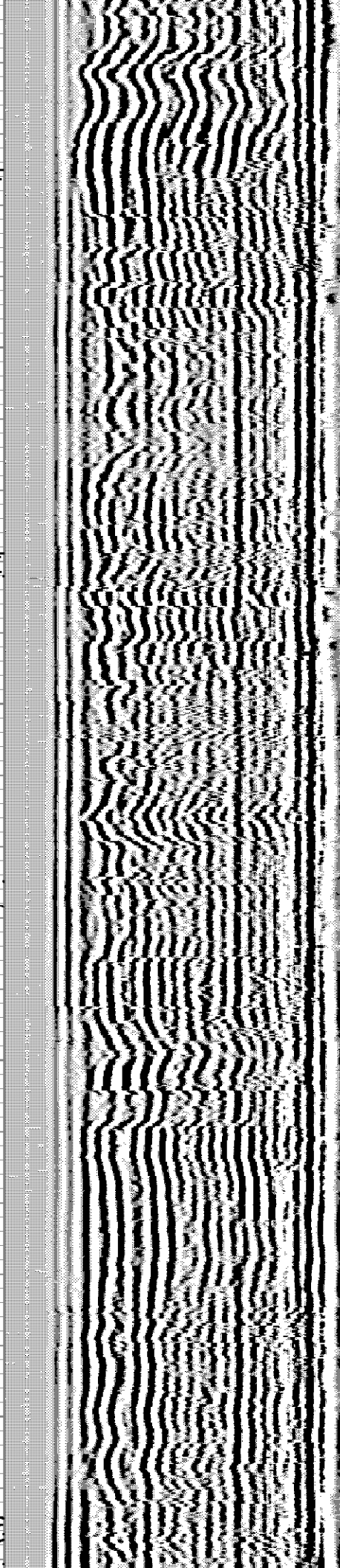
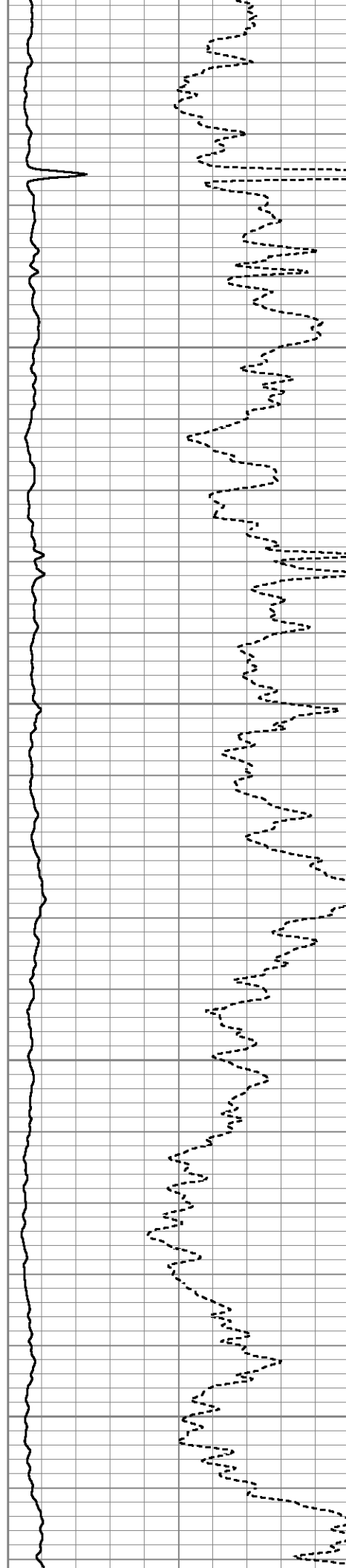


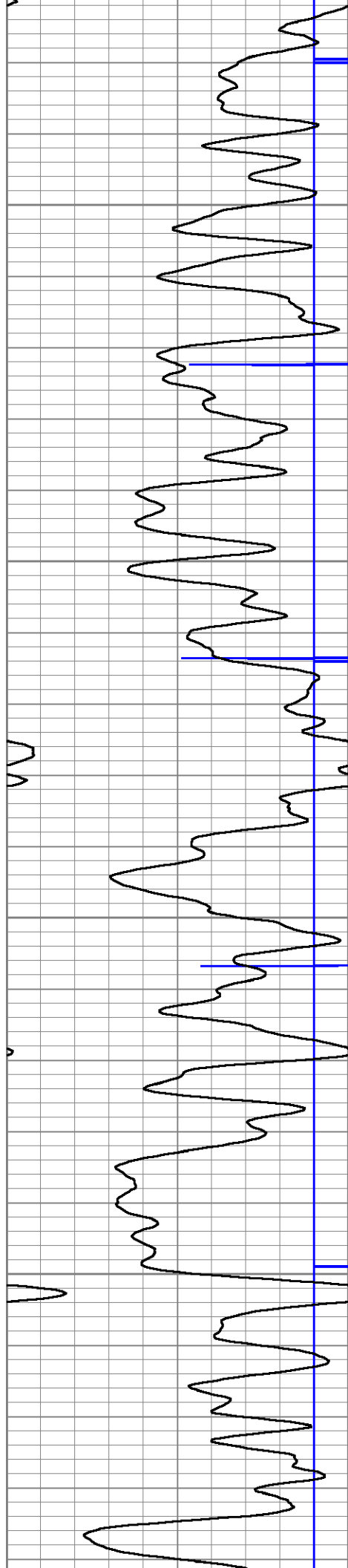
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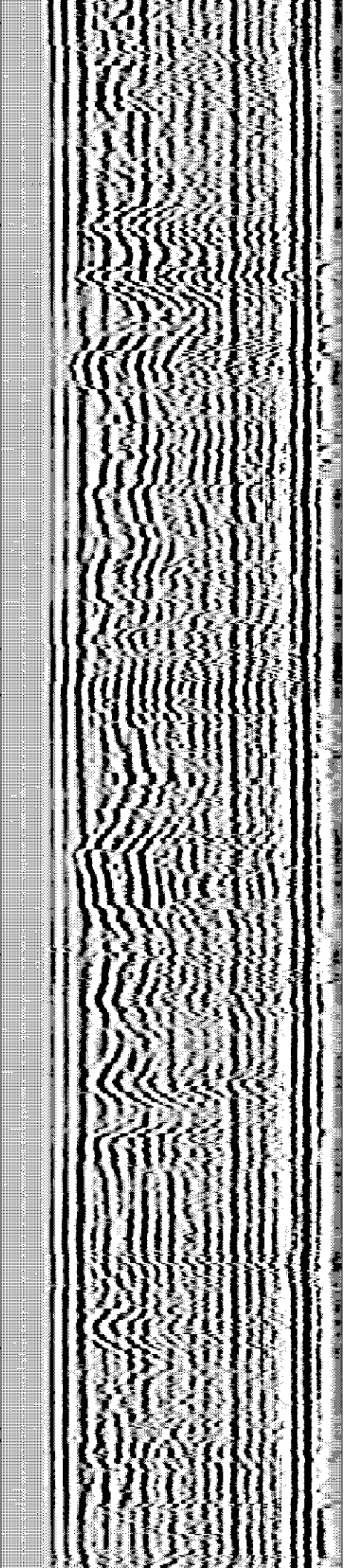
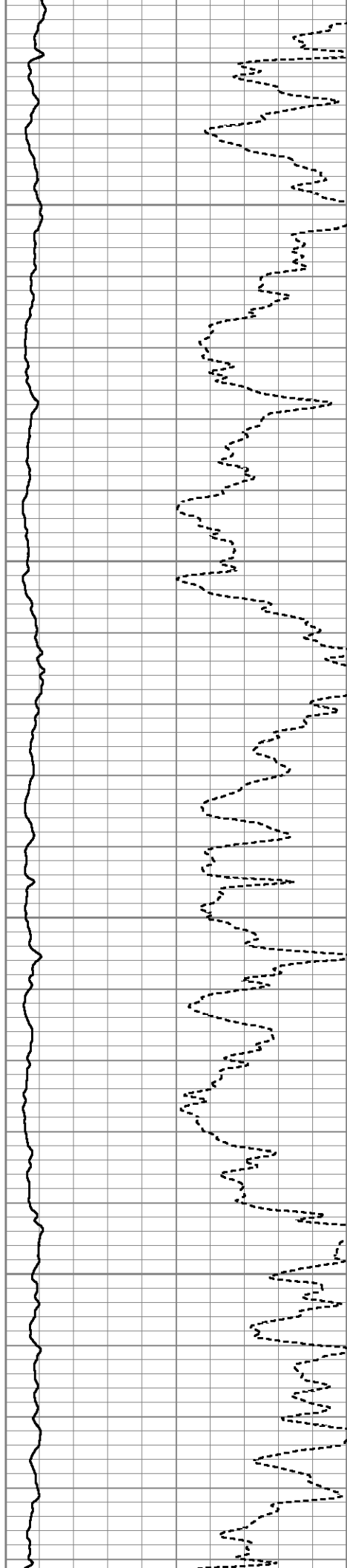


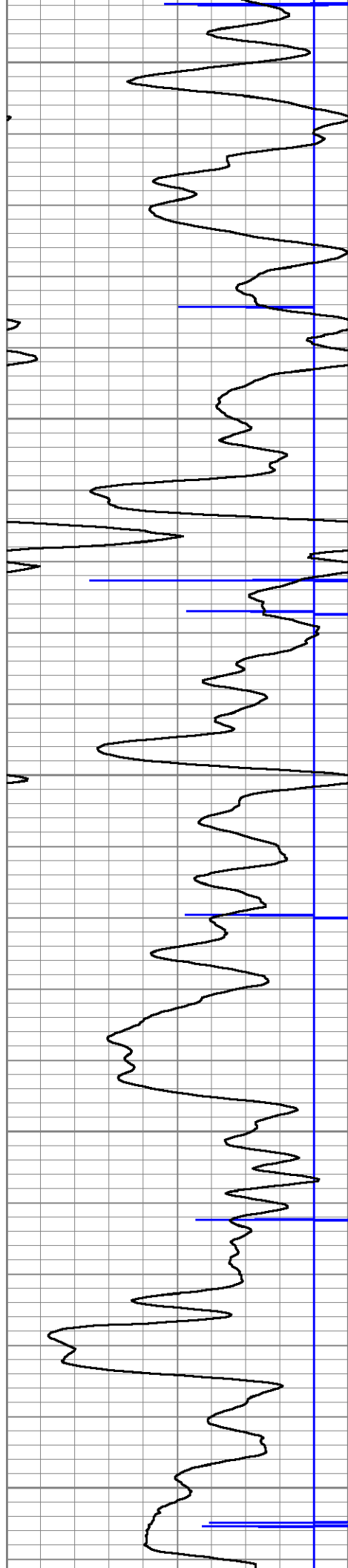
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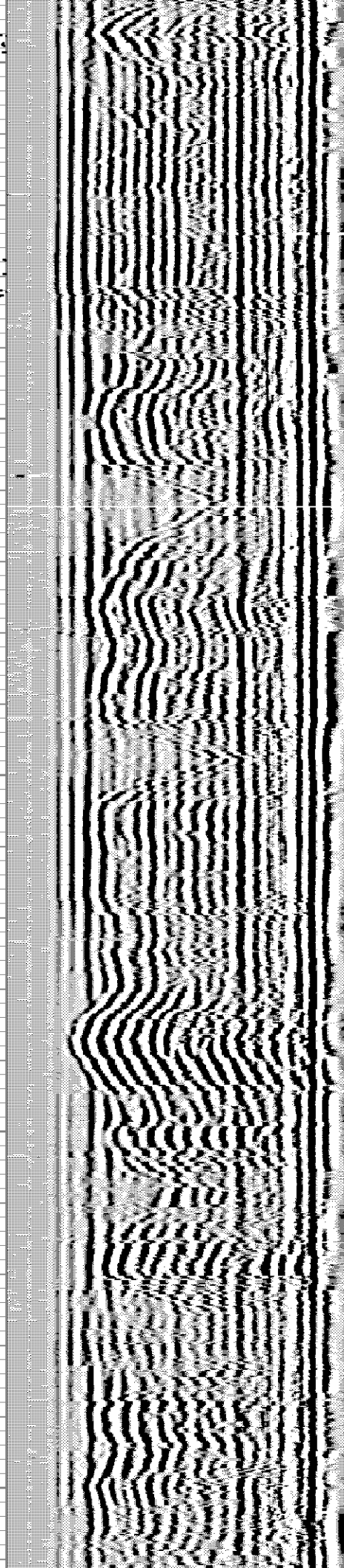
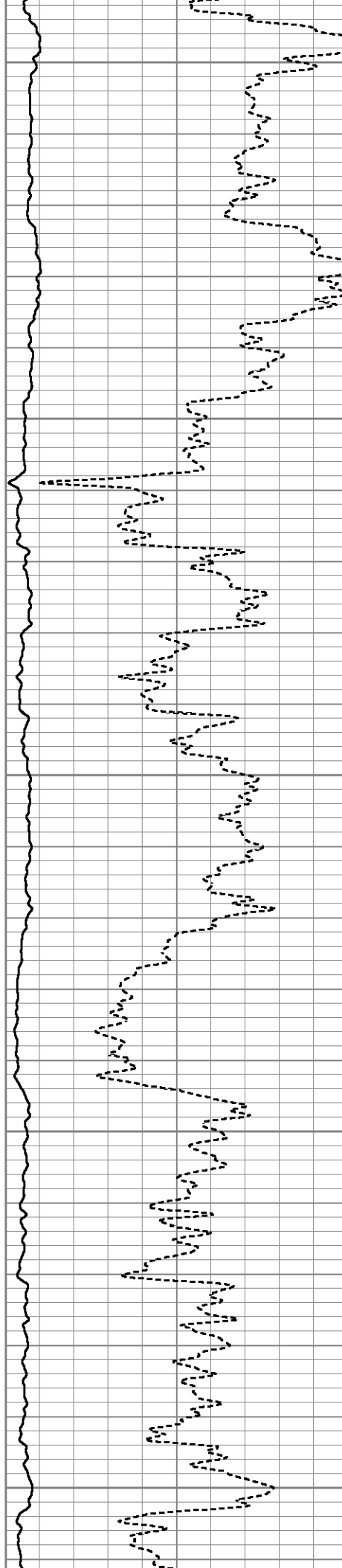
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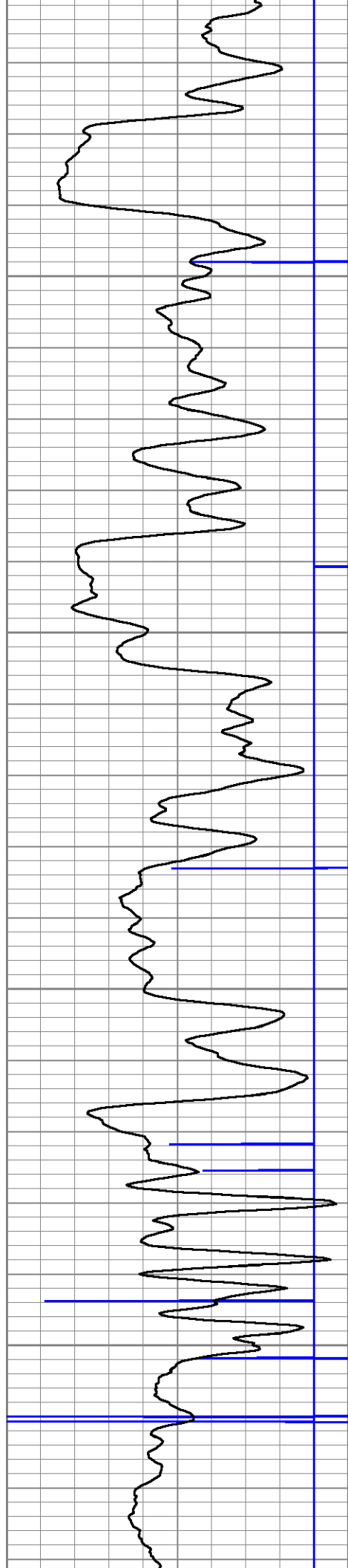
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7850

