

Company EXTRACTION O&G				Well WAAG 23				Field WATTENBERG				County WELD				State COLORADO			
Location:				SHL: 285' FSL & 2343' FWL				API # : 05-123-40349-00				Other Services							
SEC 19 TWP 7N RGE 65W				Permanent Datum GL				Elevation 4868				Elevation							
Log Measured From KB				KB				KB				K.B. 4893							
Drilling Measured From KB				KB				KB				D.F. 4893							
Date				14 OCT 15								G.L. 4868							
Run Number				1															
Depth Driller				11919															
Depth Logger				7260															
Bottom Logged Interval				7260															
Top Log Interval				0															
Open Hole Size				7.75															
Type Fluid				WATER															
Density / Viscosity				8.4															
Max. Recorded Temp.				200															
Estimated Cement Top				SEE LOG															
Time Well Ready				2000															
Time Logger on Bottom				SEE LOG															
Equipment Number				14166															
Location				LONGMONT															
Recorded By				N.SOUTHAM															
Witnessed By				SHAWN MCINTYRE															
Borehole Record								Tubing Record											
Run Number				Bit				From				To							
Casing Record				Size				Wgt/Ft				Top							
Surface String				9.625				36				0							
Prot. String																			
Production String				5.5				17				0							
Liner												11919							

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All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretation or recommendation and shall not 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 employees or agents. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Remarks:Rig:CRANEPrints:2Service Order #132075267

THANK YOU FOR CHOOSING WEATHERFORD WIRELINE FOR THIS LOG YOUR CREW TONIGHT WAS

N. SOUTHAM G. BROWN E. PRESTON

THIS LOG WAS RAN FROM DEEPEST REACHABLE DEPTH TO SURFACE OPEN ENDED AT COSTUMER REQUEST

BHT	230	EQUIPMENT DATA			
Bit Size		Run No.	Tool Type	Tool No.	Other
Surface Pressure		1	CTBA	323	
Shut In		1	GRBA	233	
		1	CENB	210	
		1	SBTA	238	
		1	CFNA	216	



Weatherford[®]

MAIN PASS

3' 5' GR CCL VDL
CEMENT BOND LOG

Database File

Dataset Pathname

Presentation Format

Dataset Creation

Charted by

waag23.db

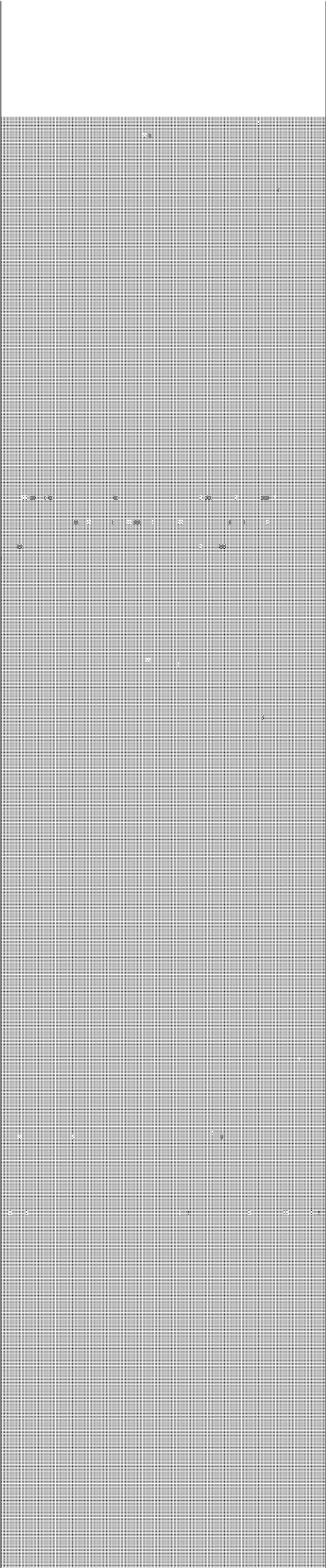
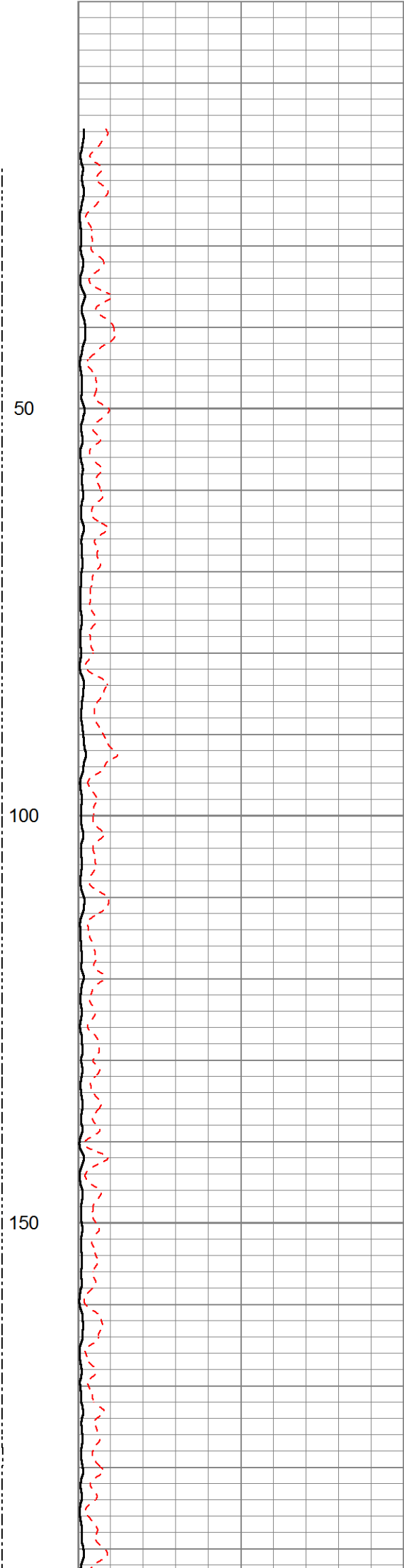
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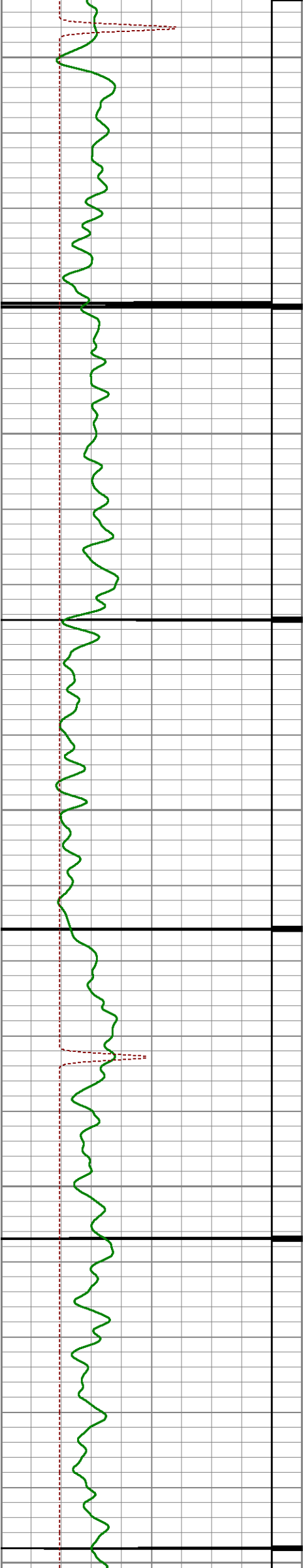
gc3ft5ft

Wed Oct 14 20:49:03 2015

Depth in Feet scaled 1:200

-9	COLLAR LOCATOR	1	TENS	0	AMPLIFIED 3FT AMP (mV)	20	200	Variable Density 5FT	1200
	GAMMA RAY		0	(lb 3000	0	AMPLITUDE 3FT (mV)	100		
	API								





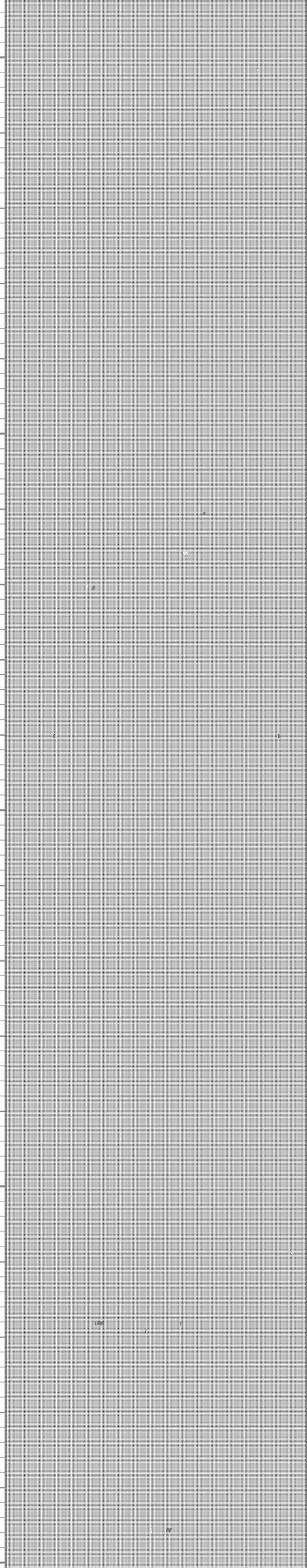
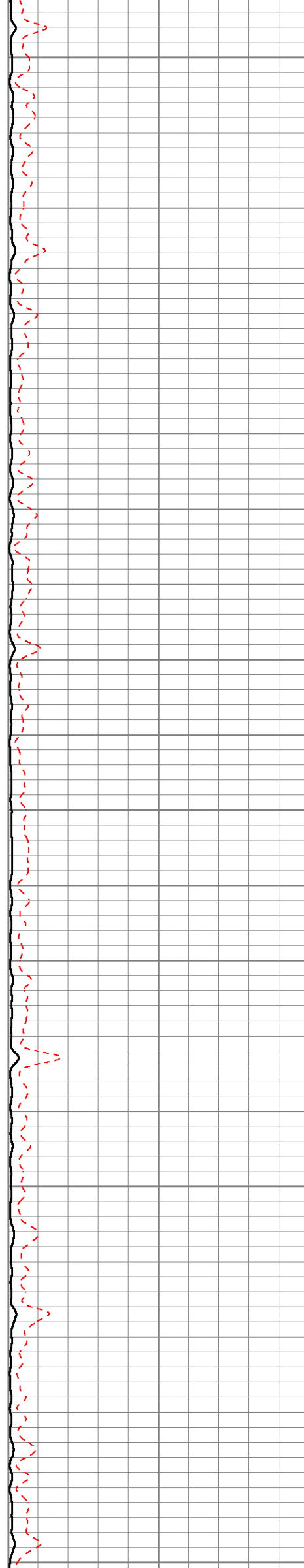
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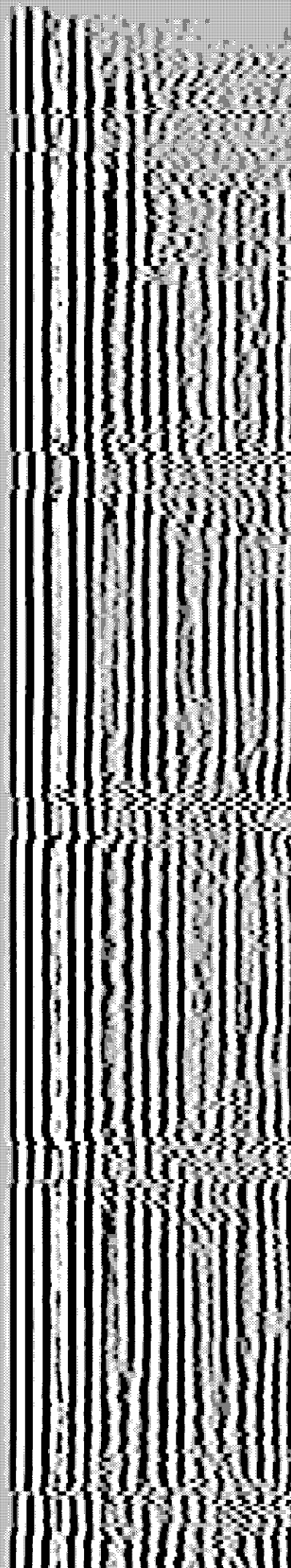
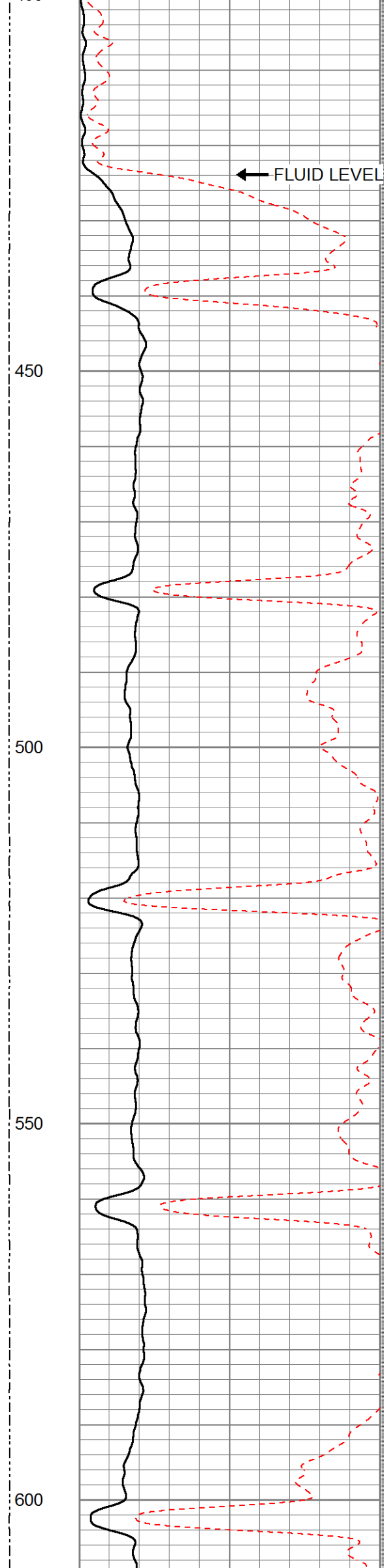
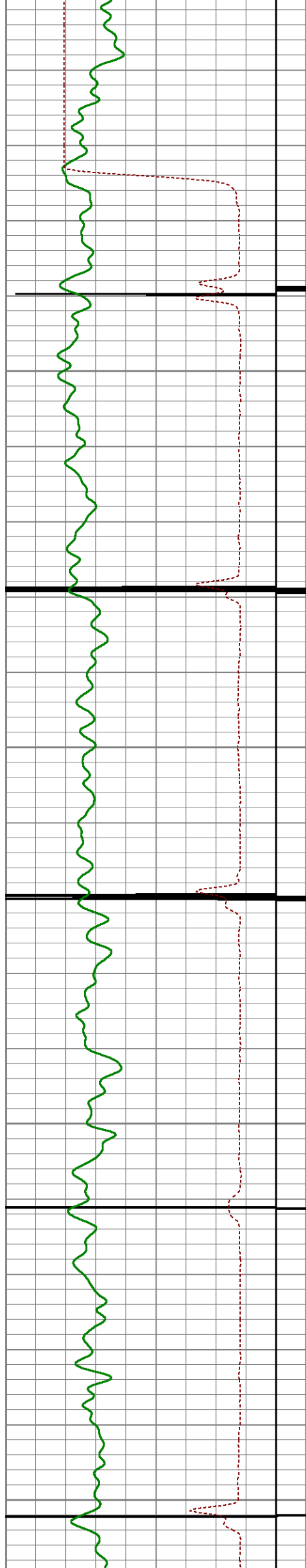
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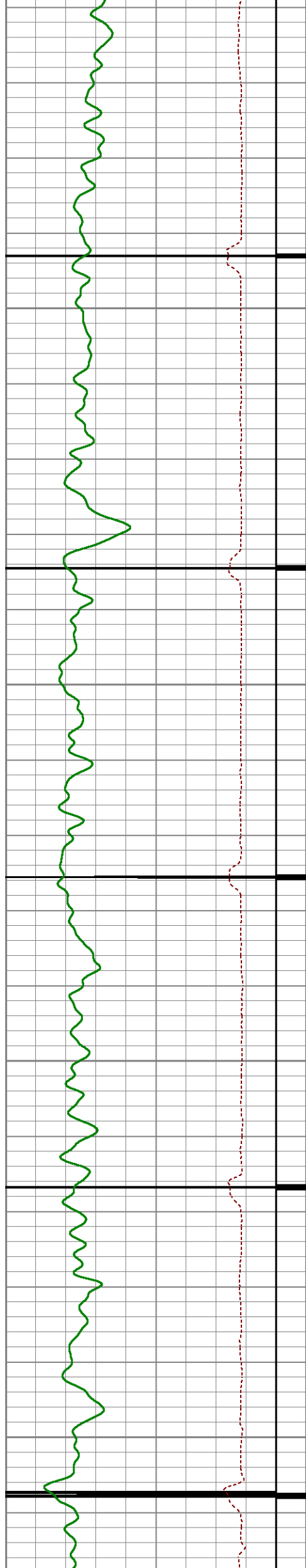
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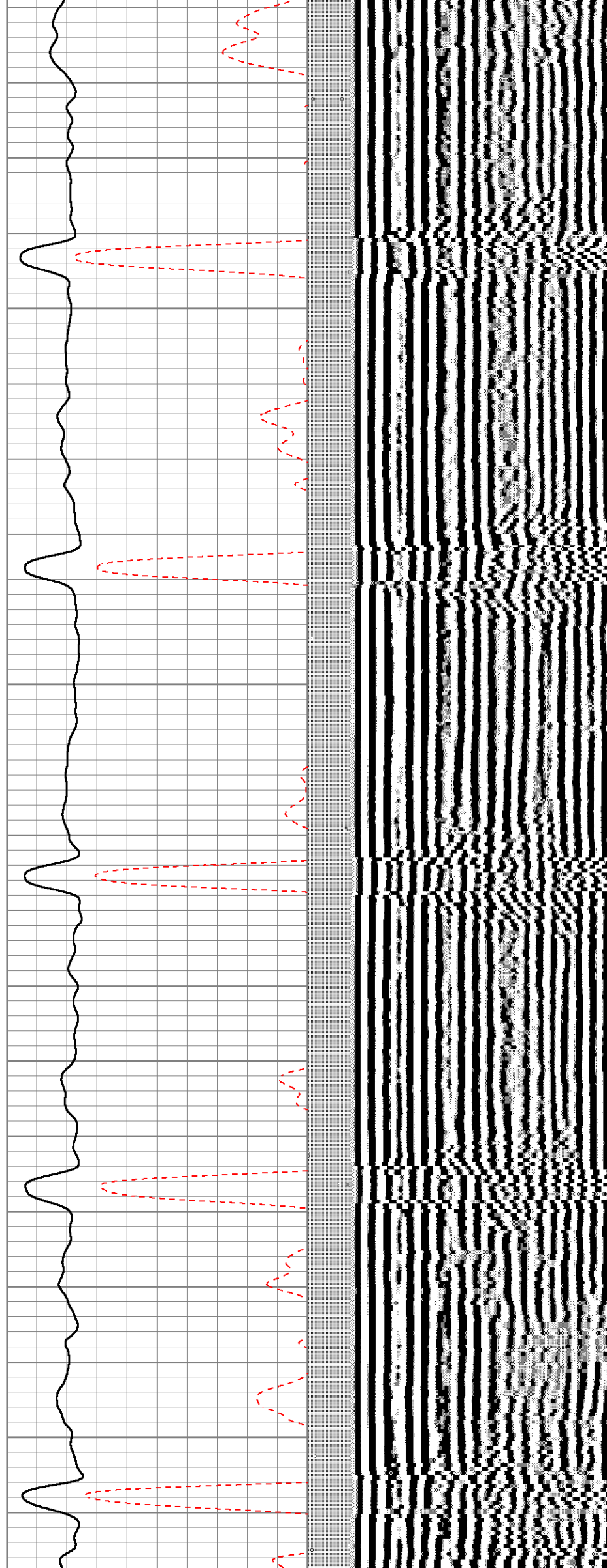


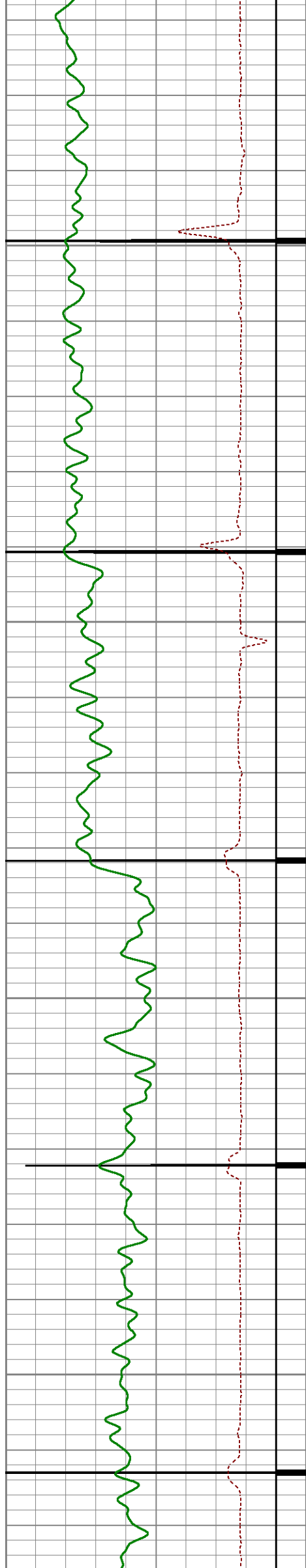
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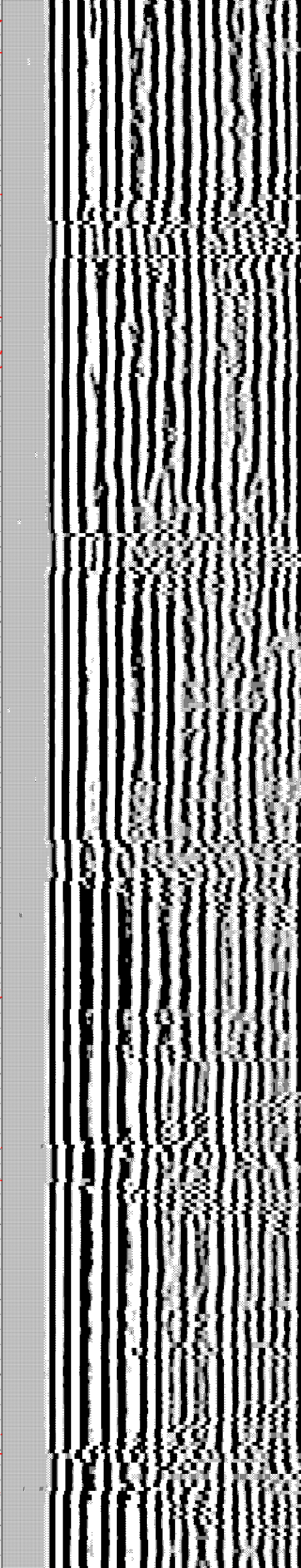
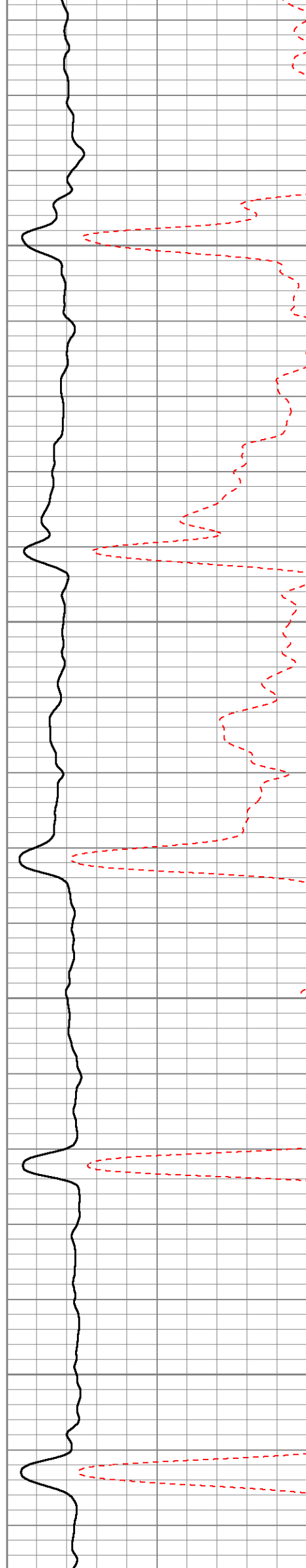


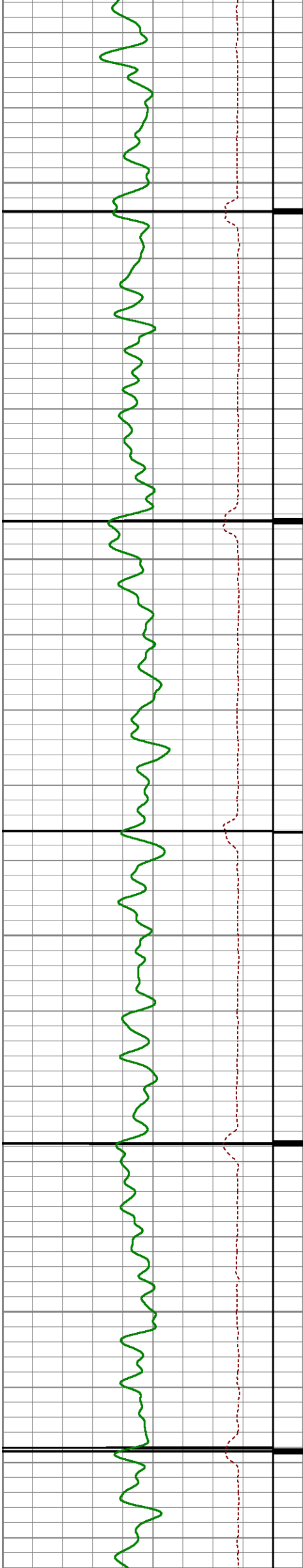
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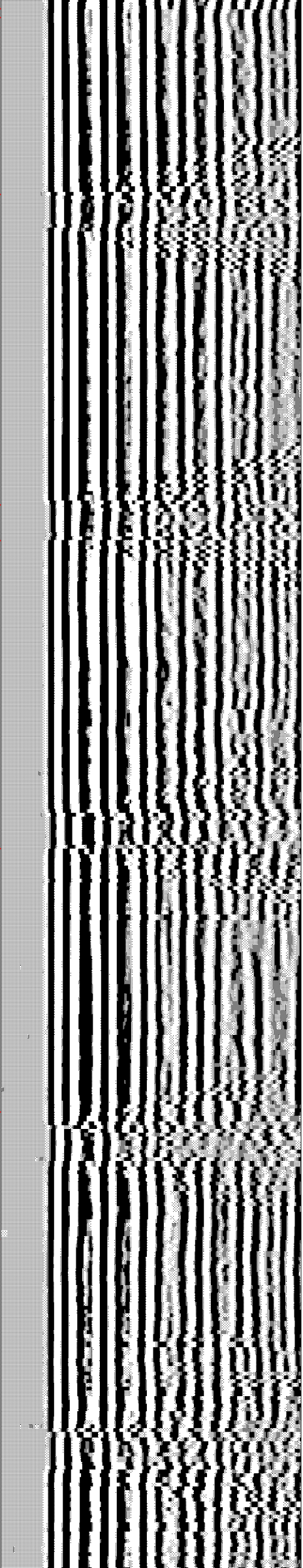
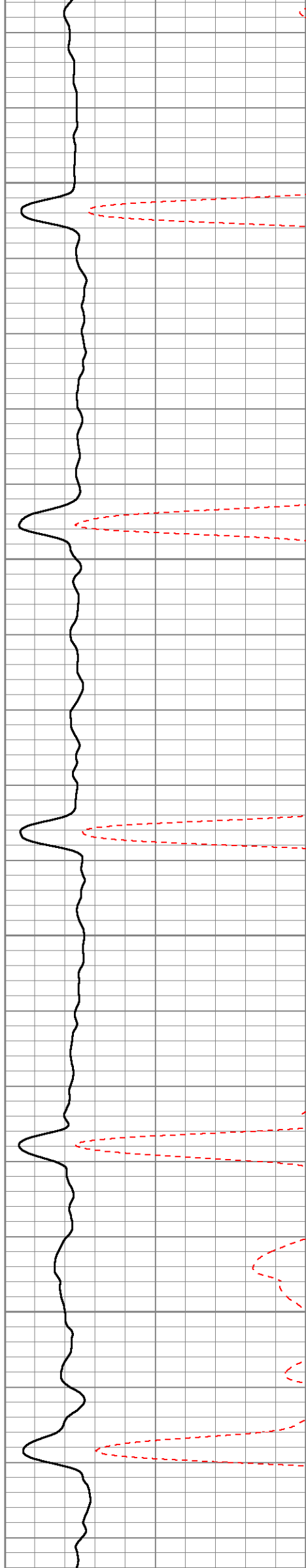


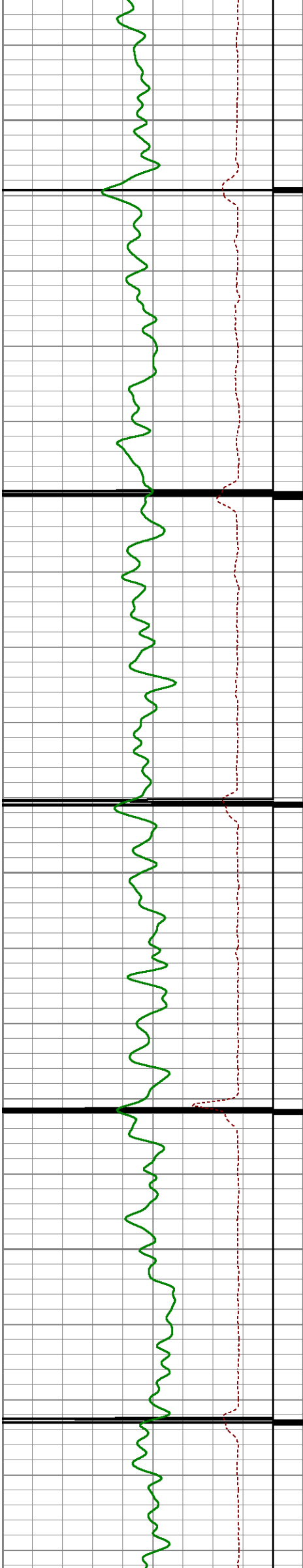
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1150

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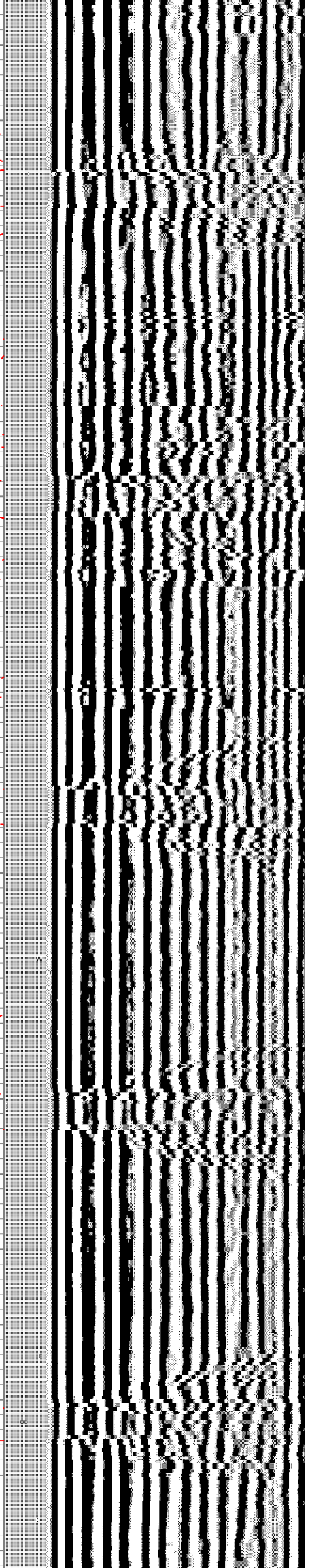
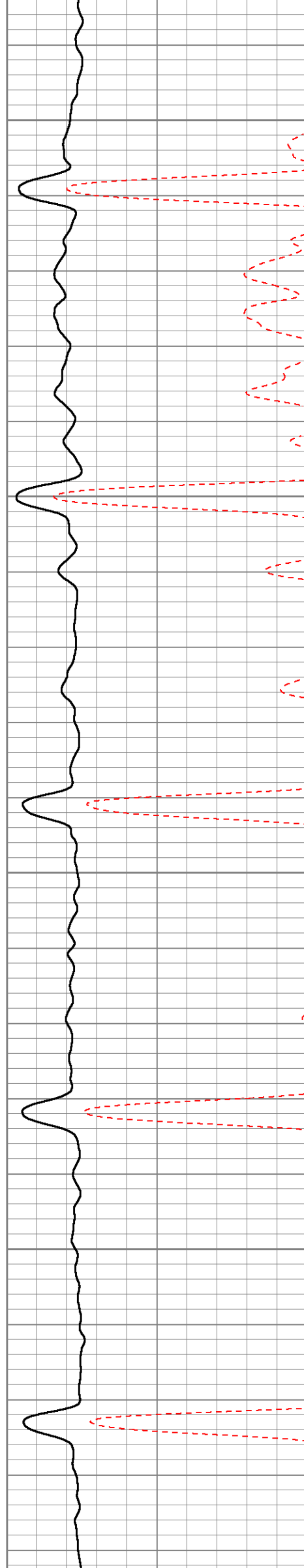


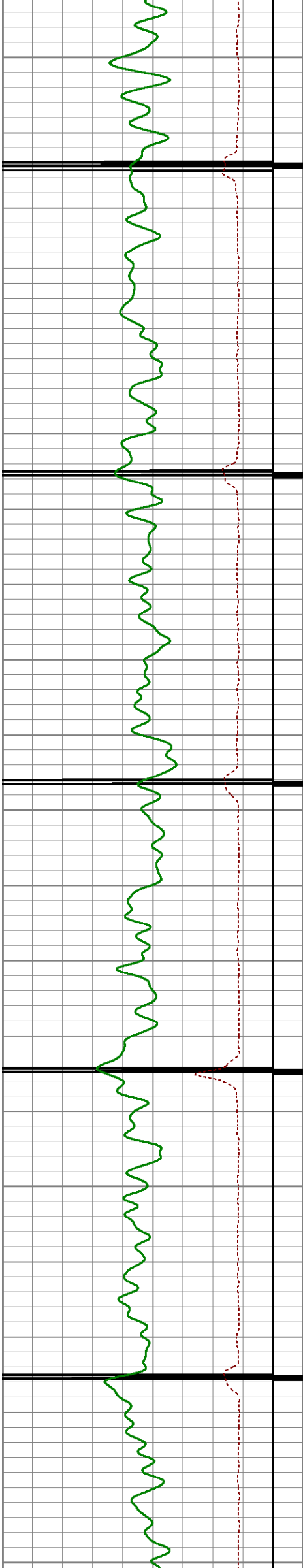
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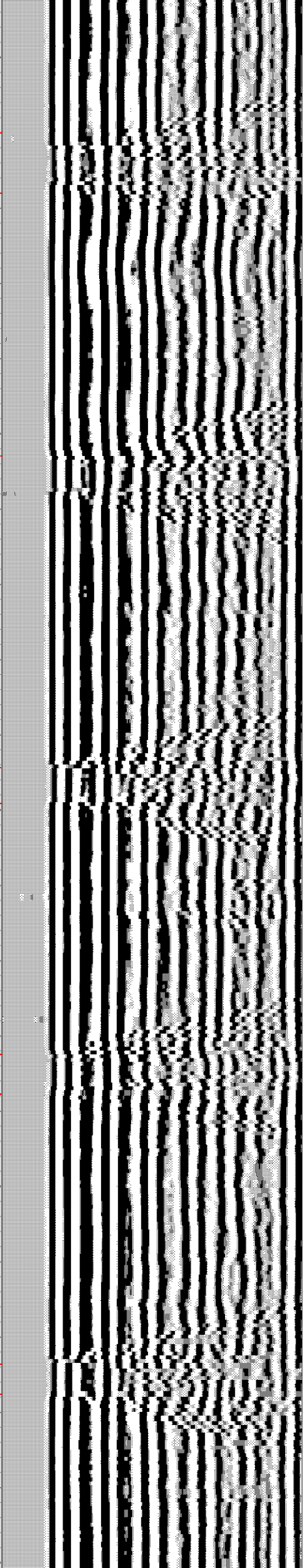
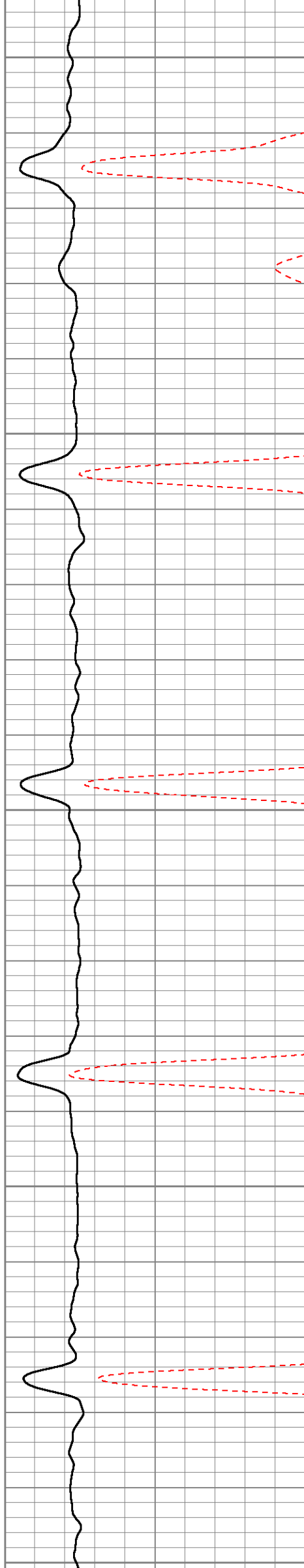
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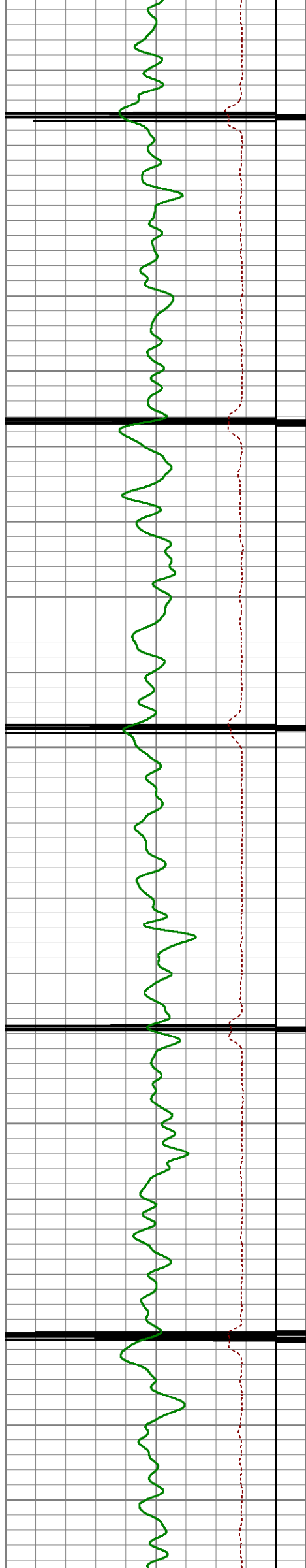
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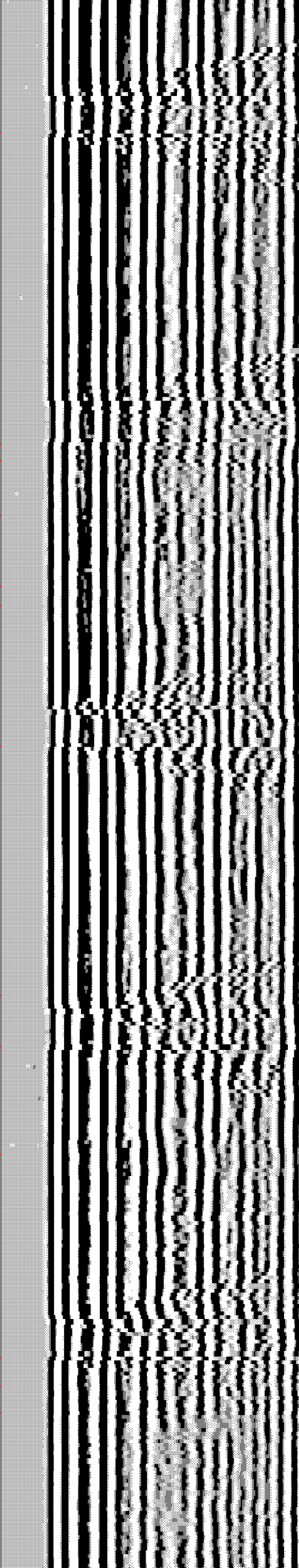
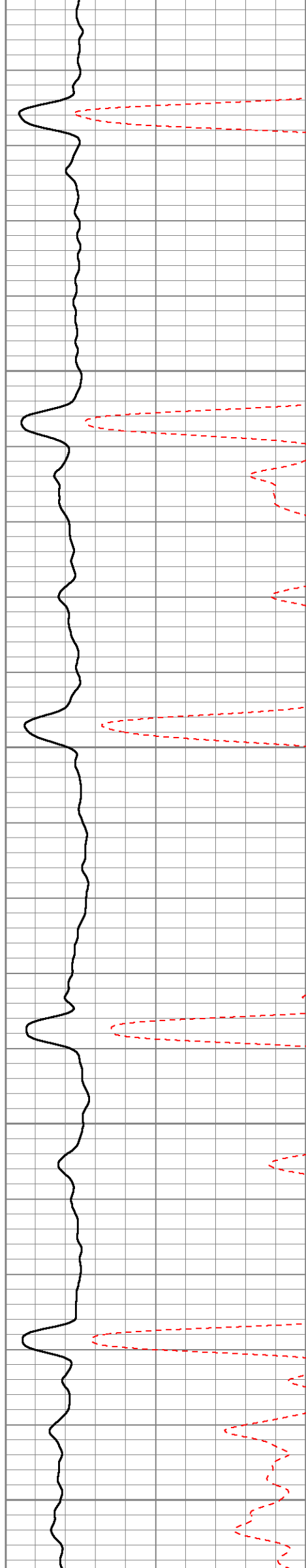


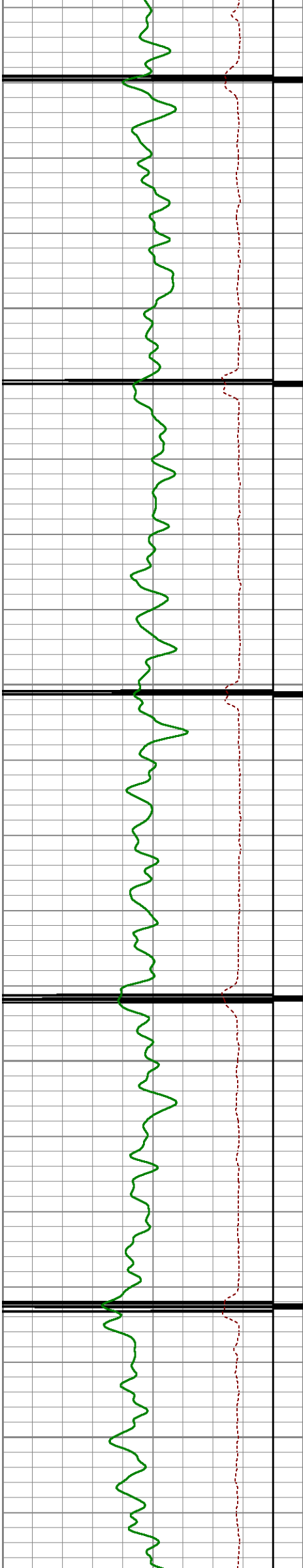
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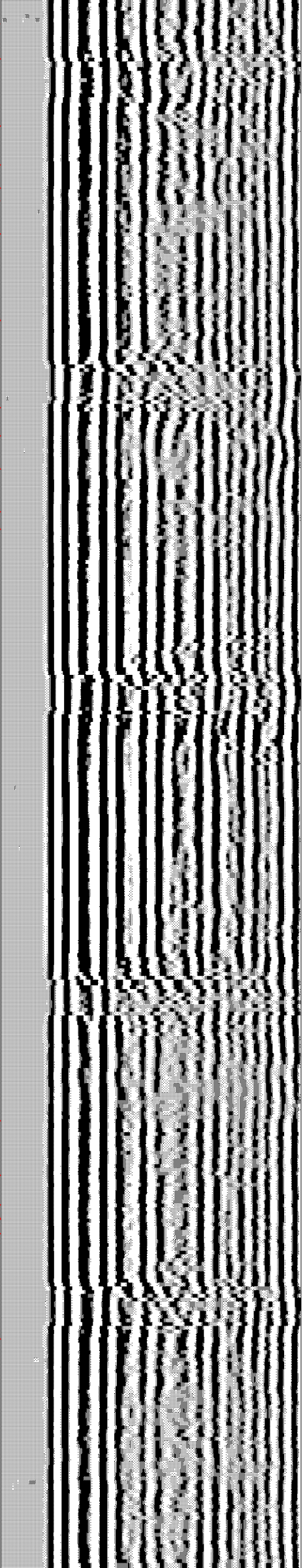
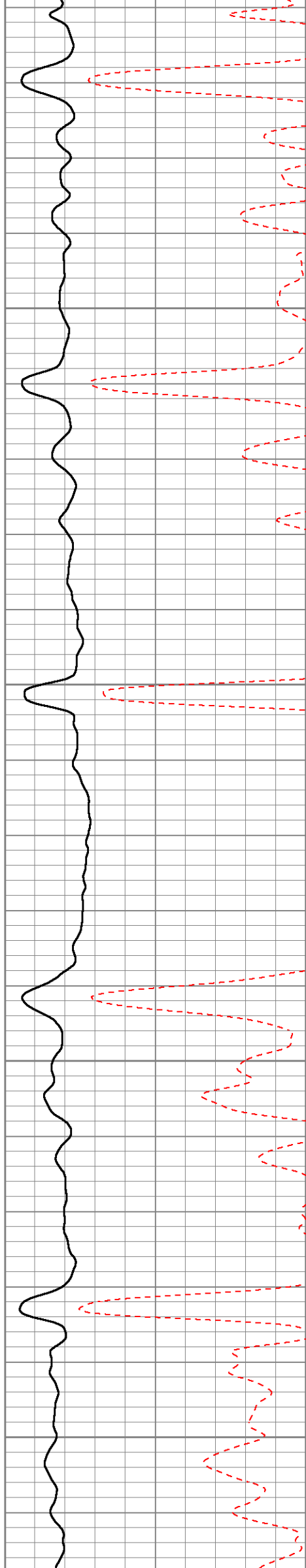


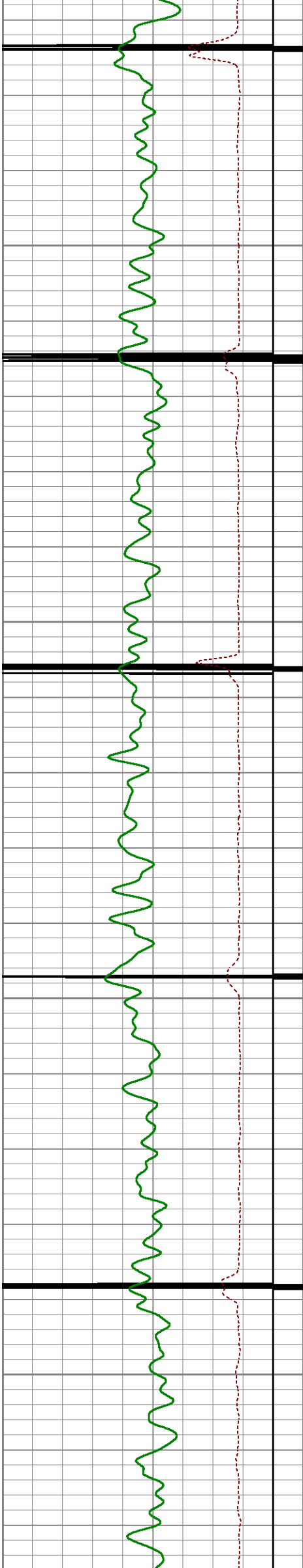
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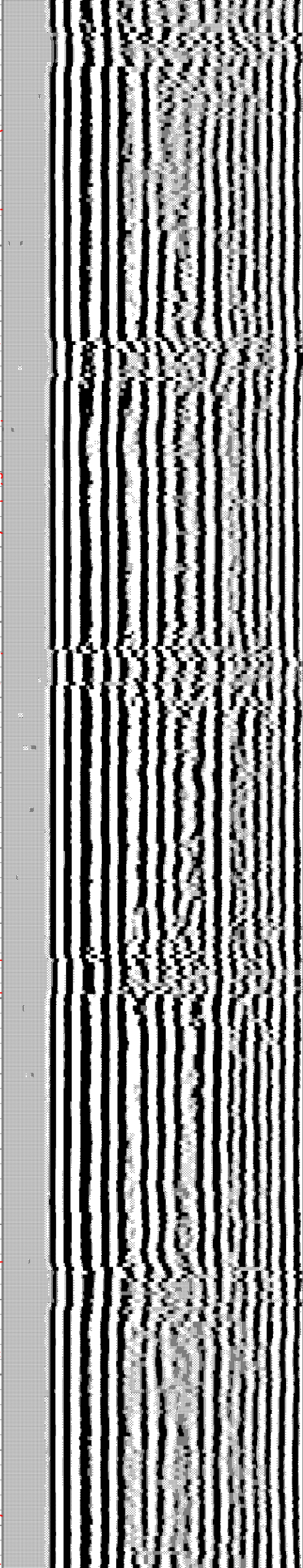
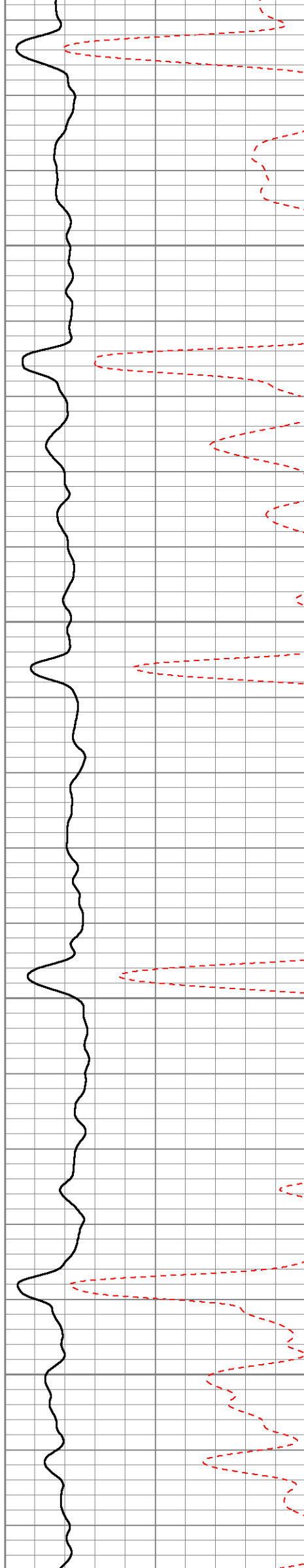


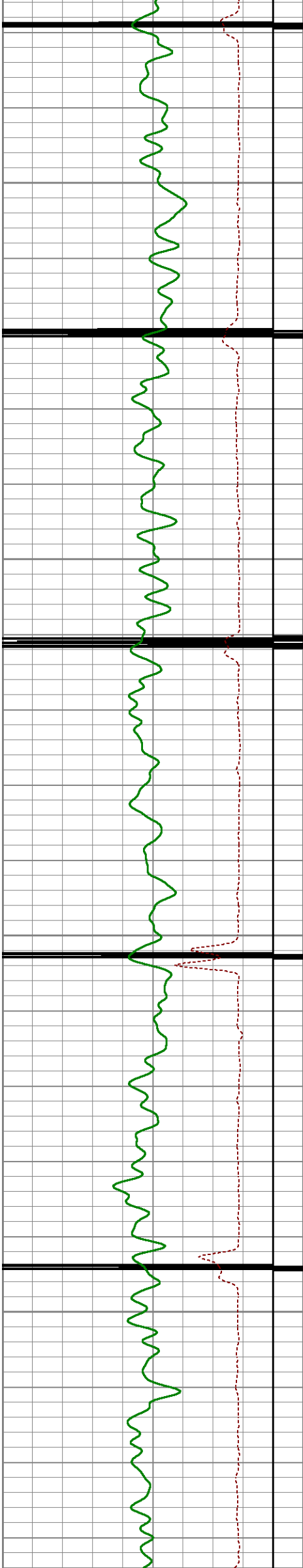
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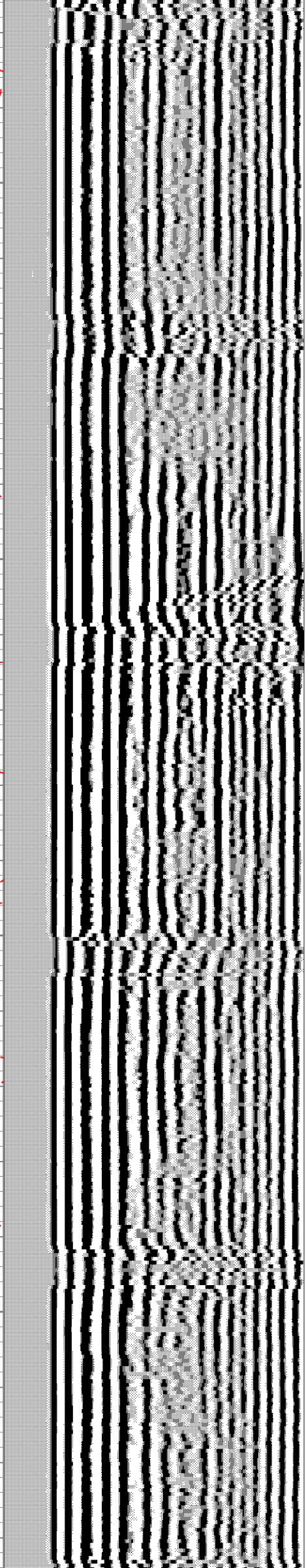
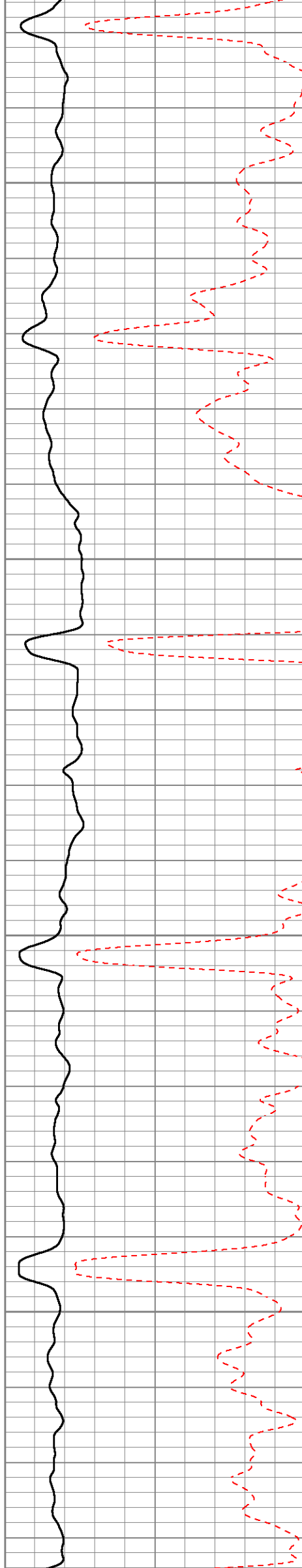


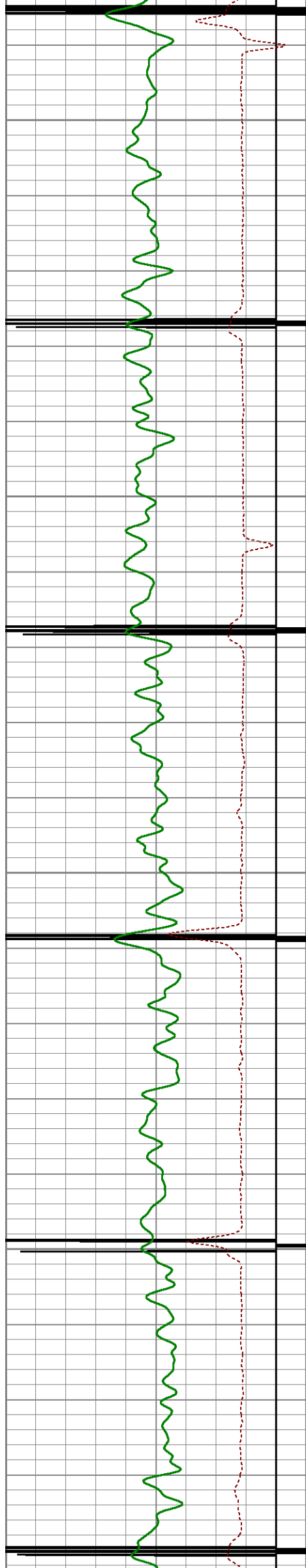
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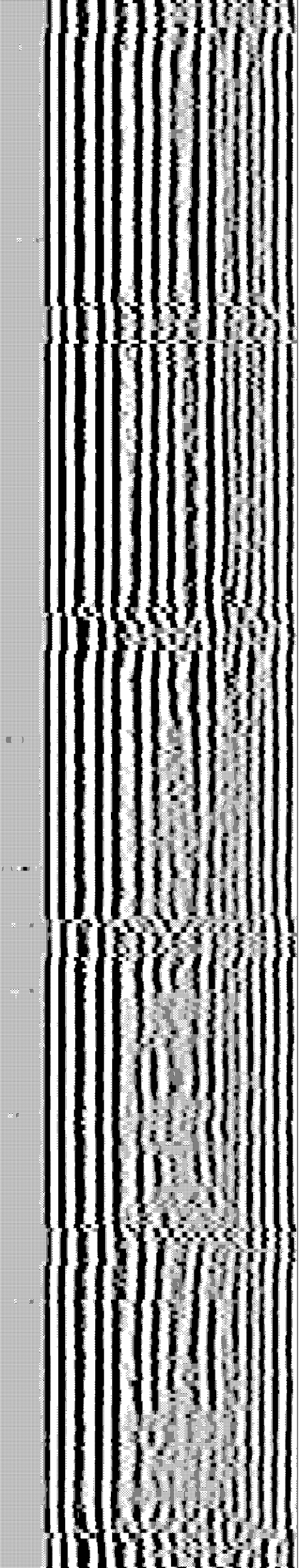
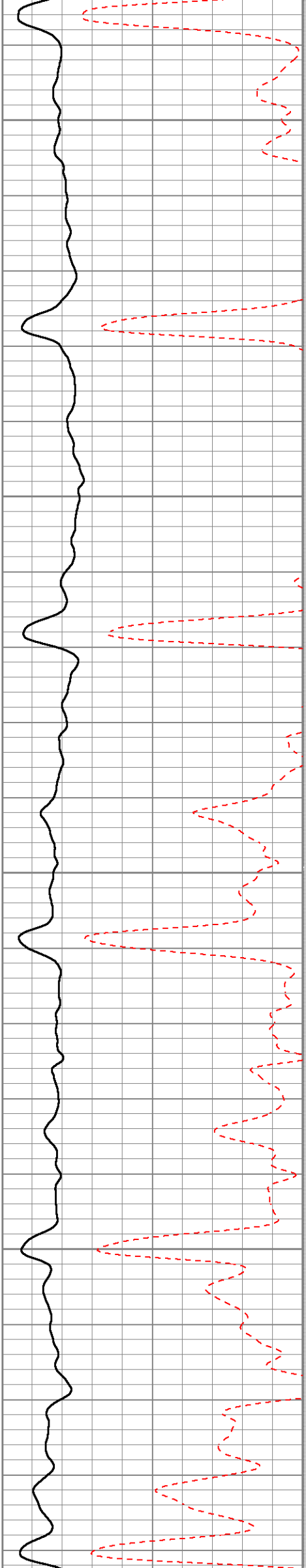


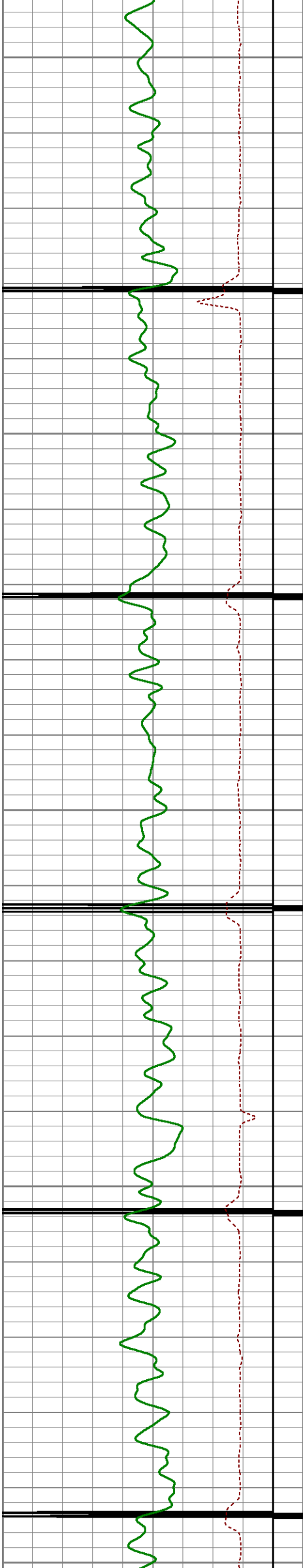
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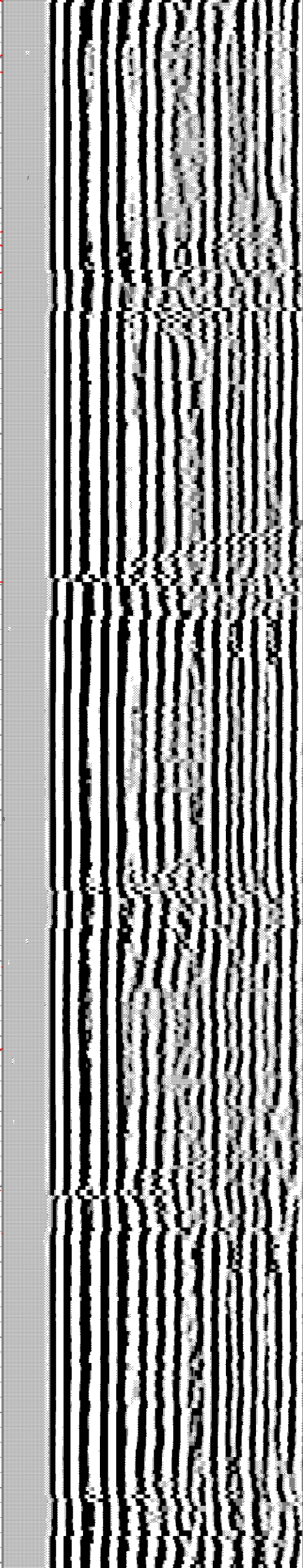
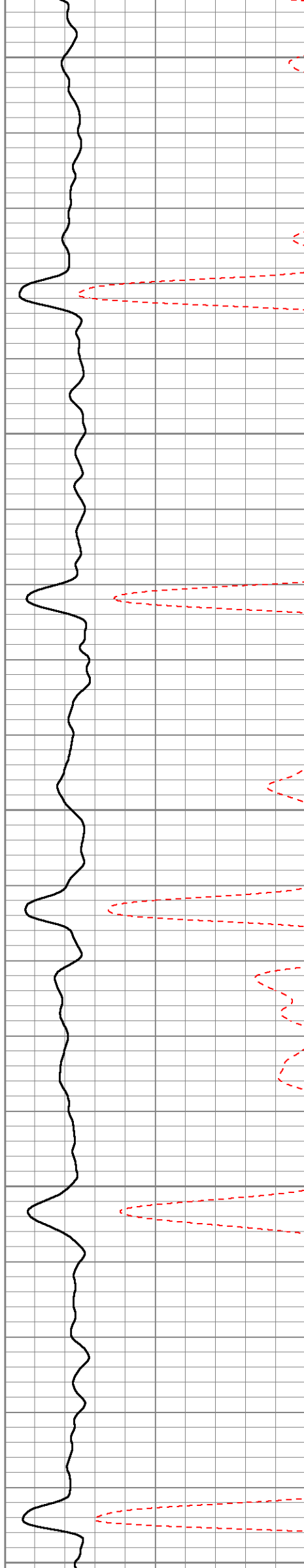
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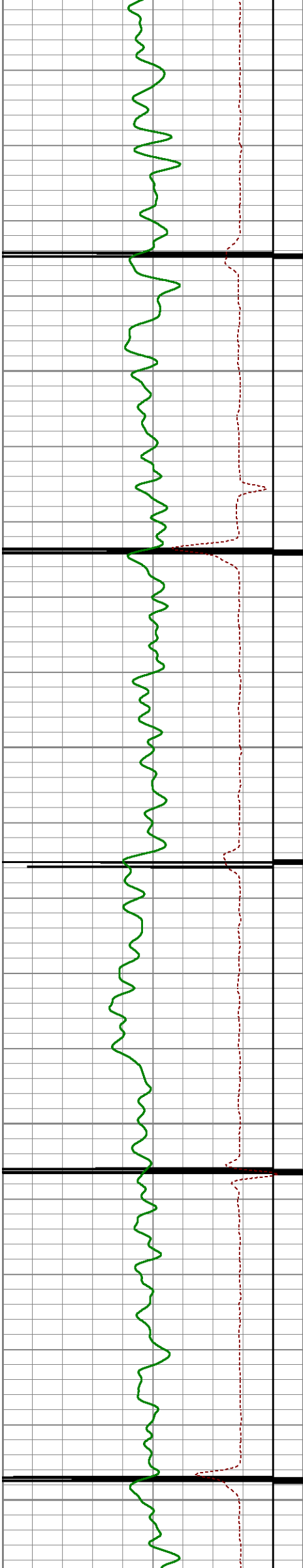
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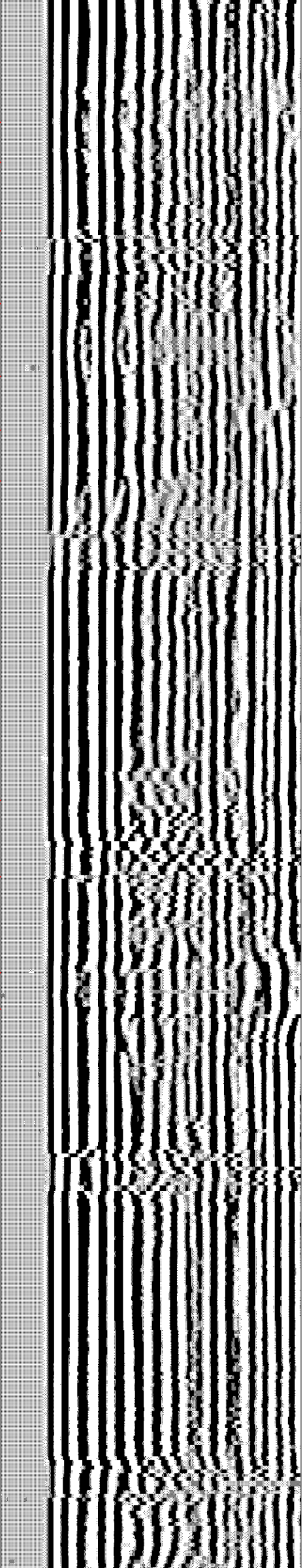
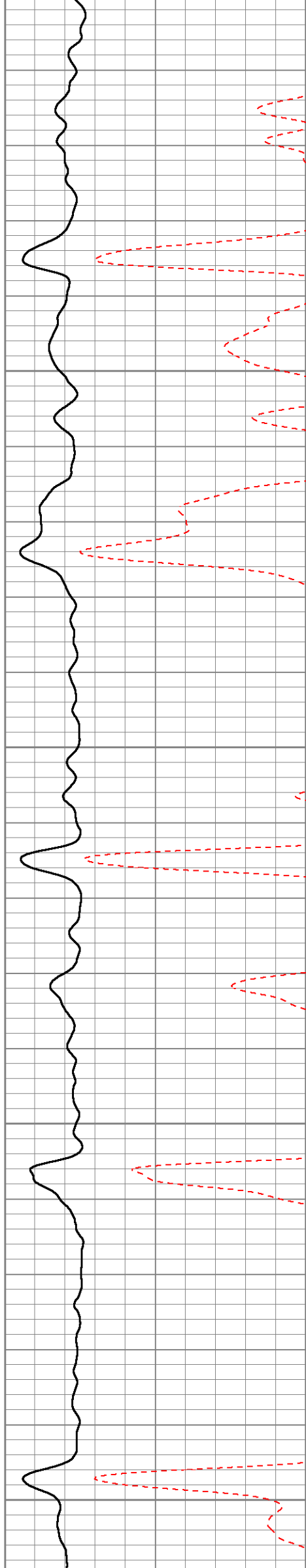


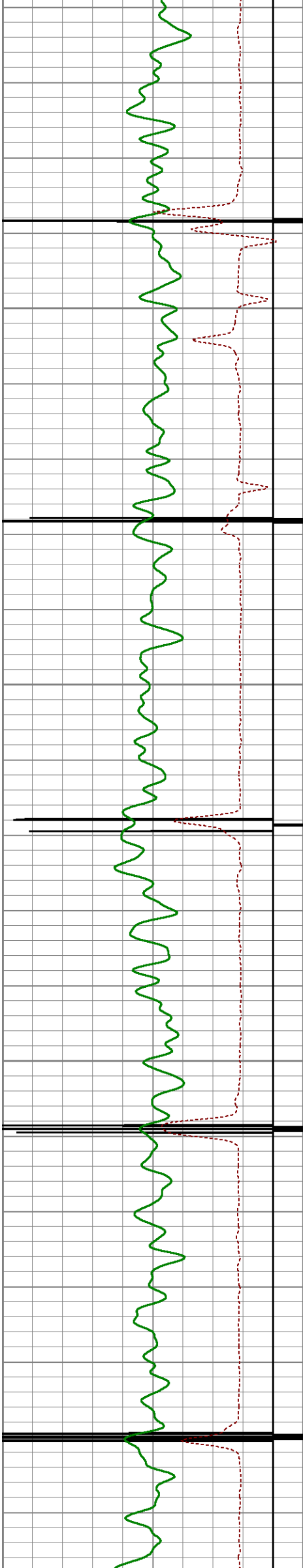
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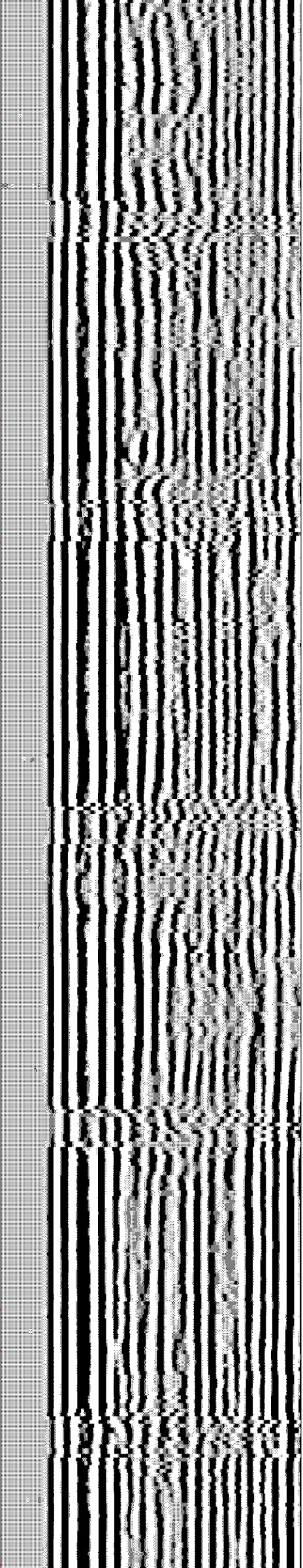
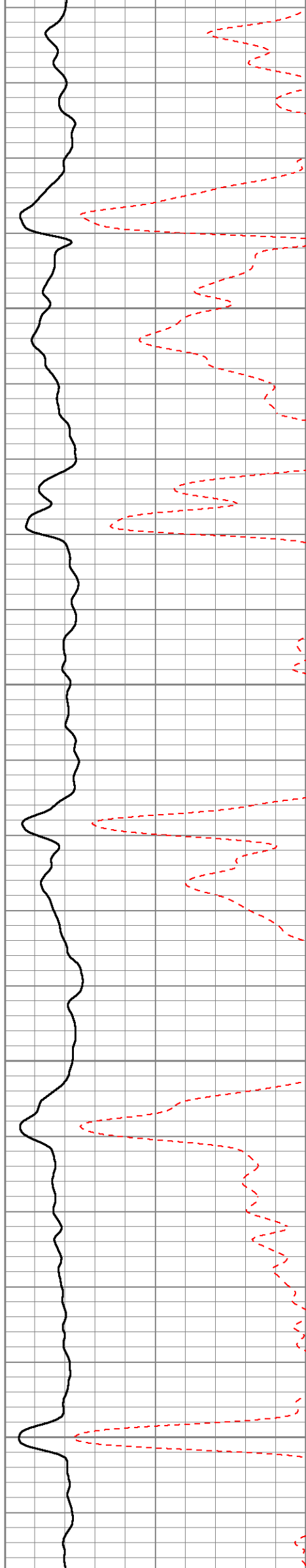


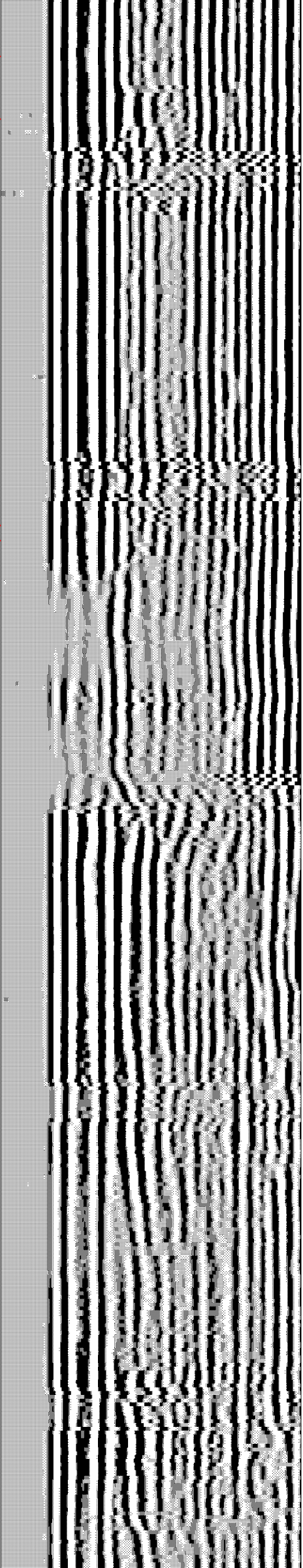
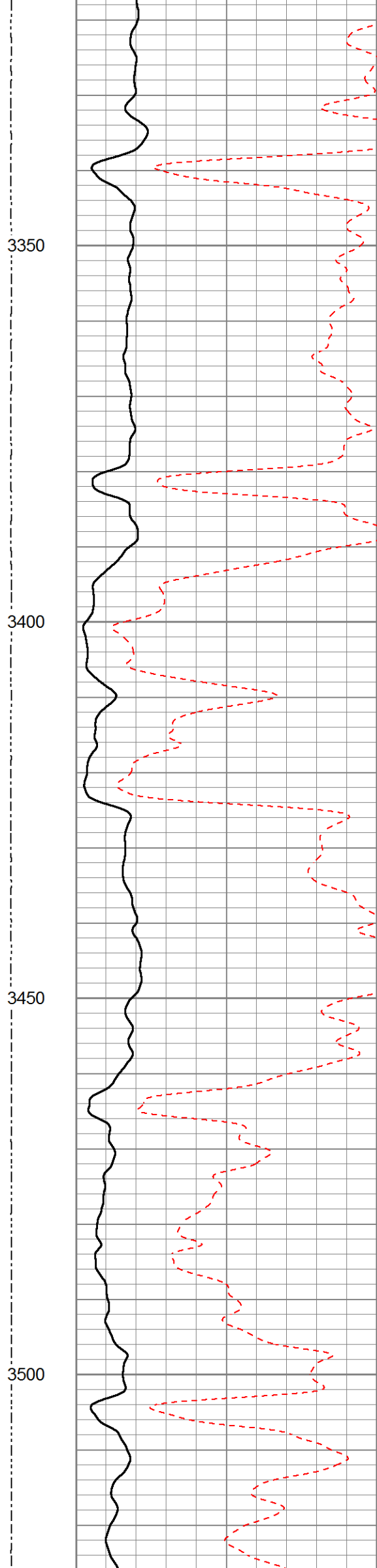
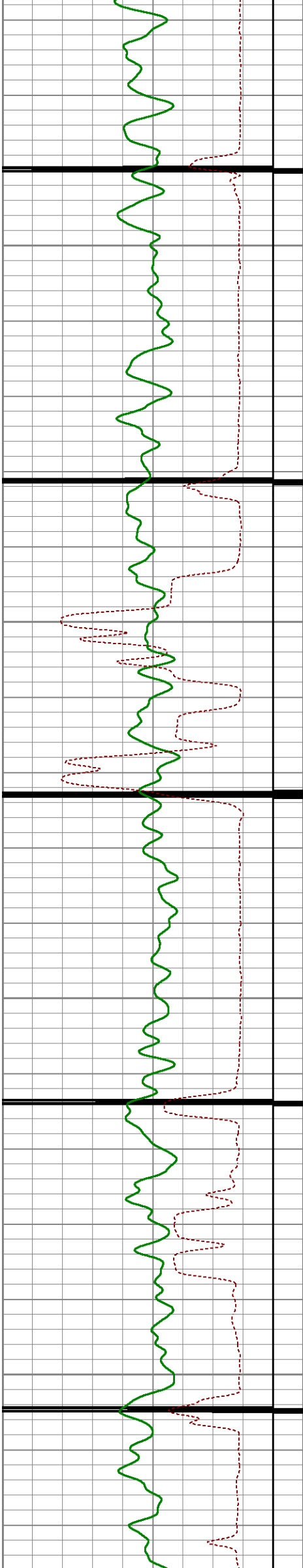
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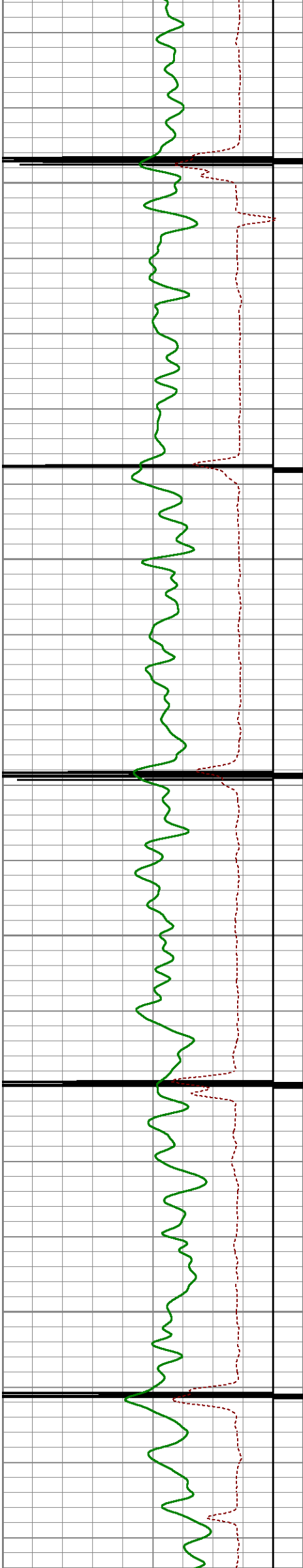
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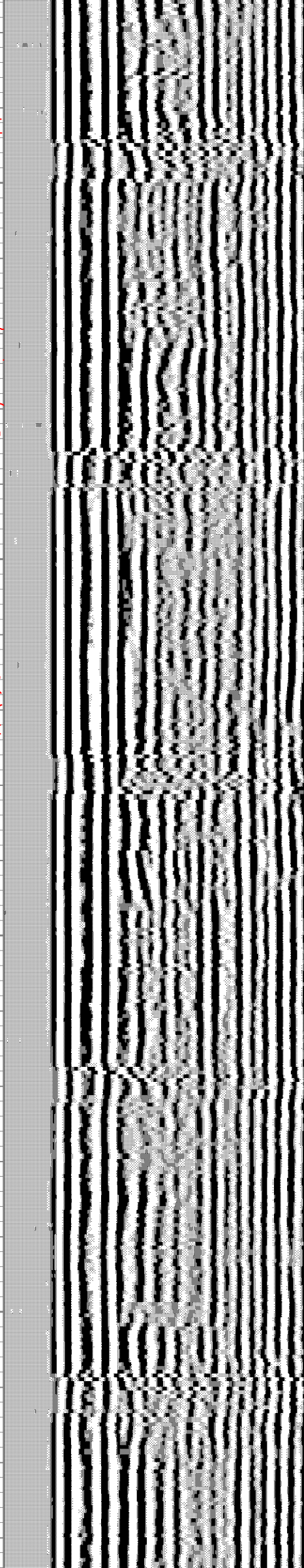
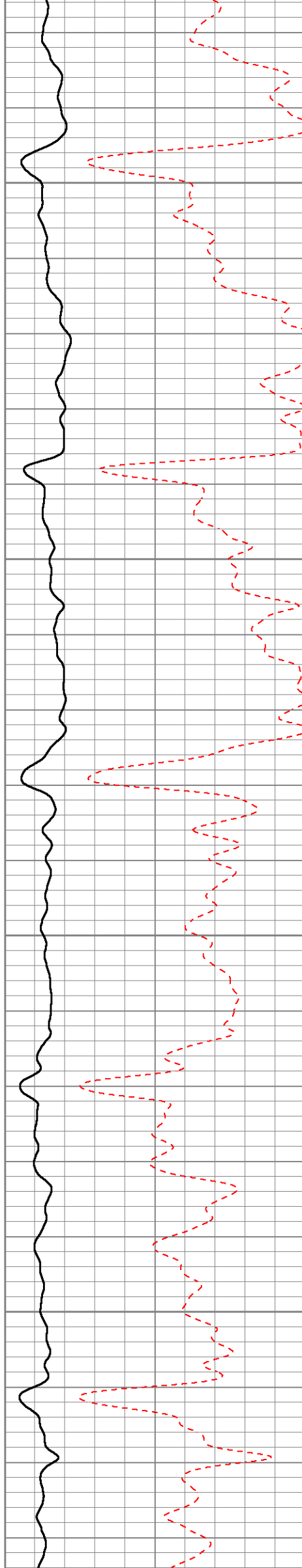


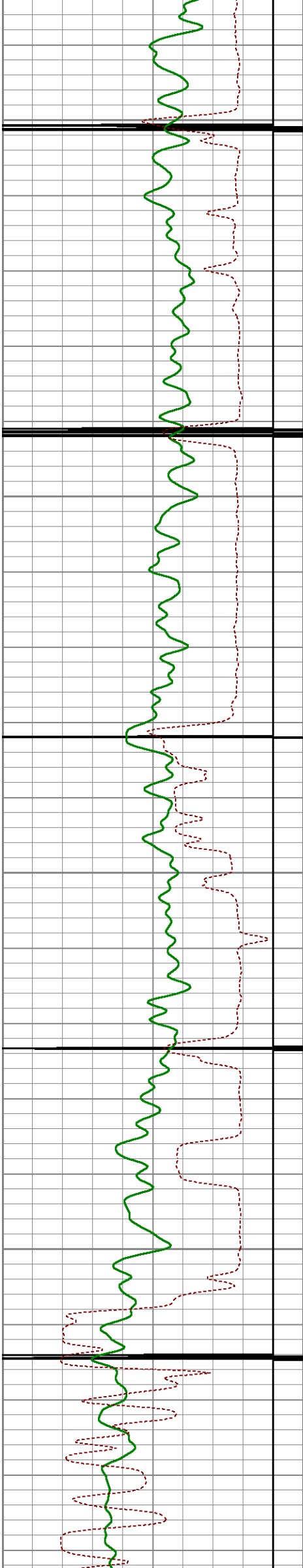
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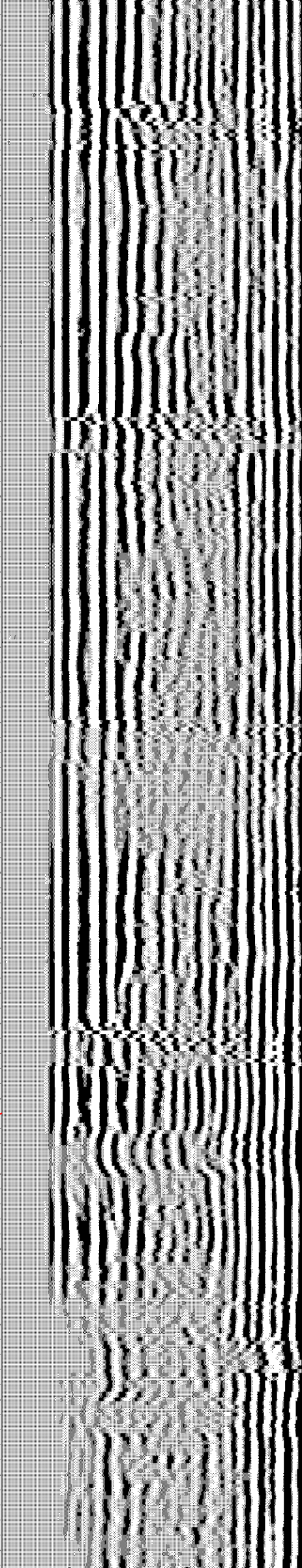
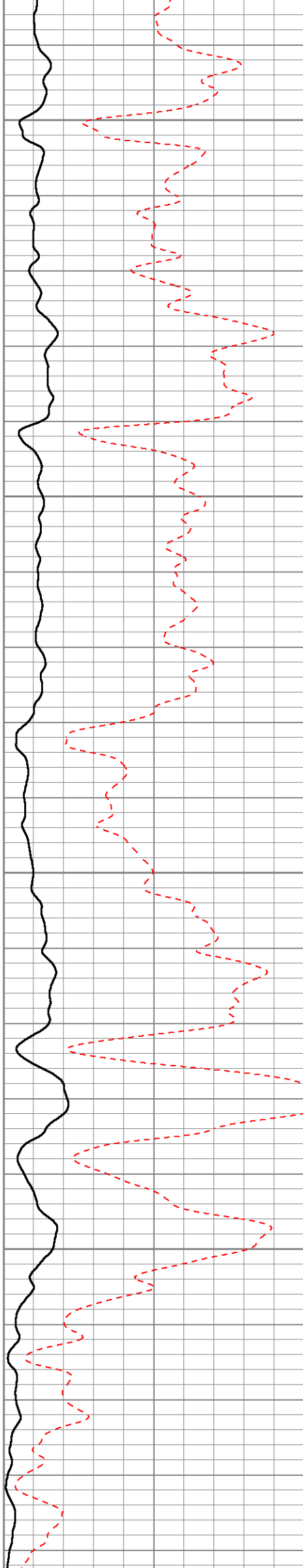


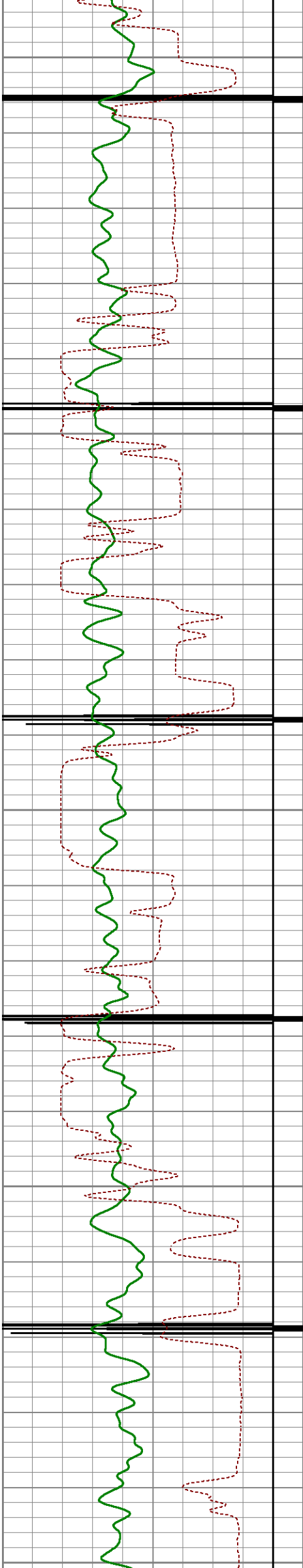
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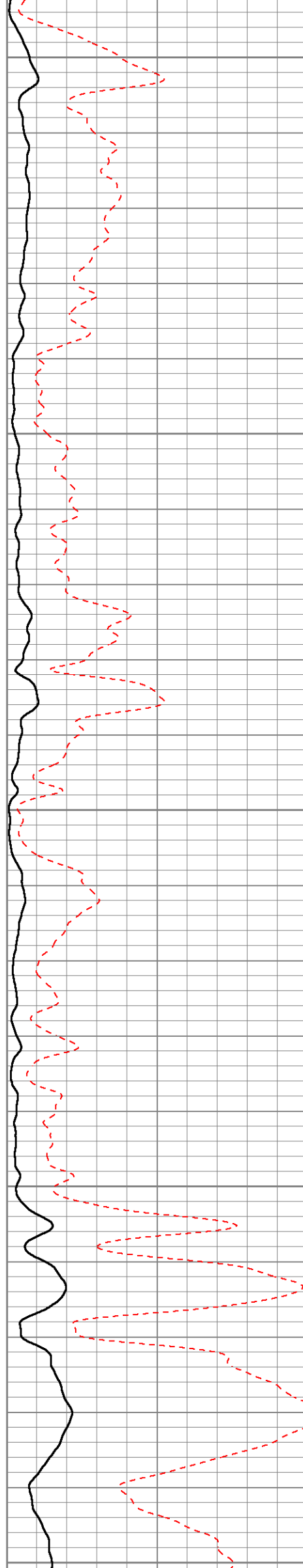
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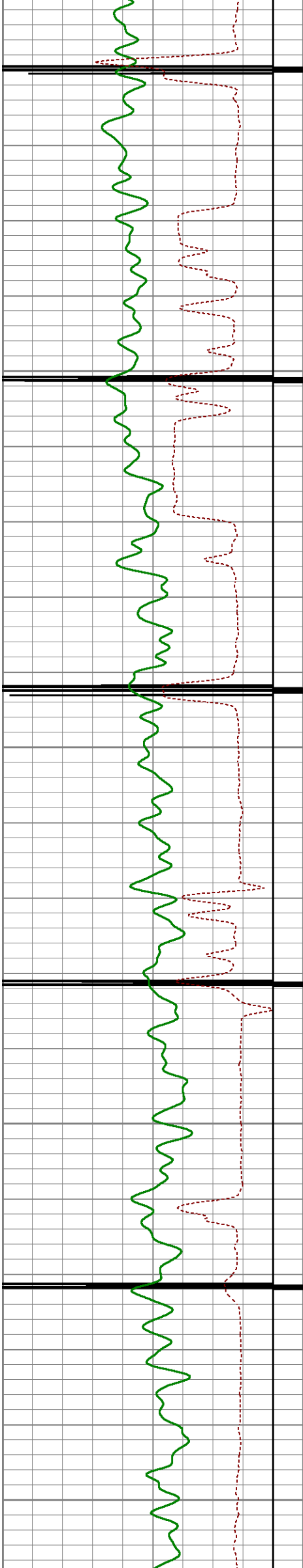
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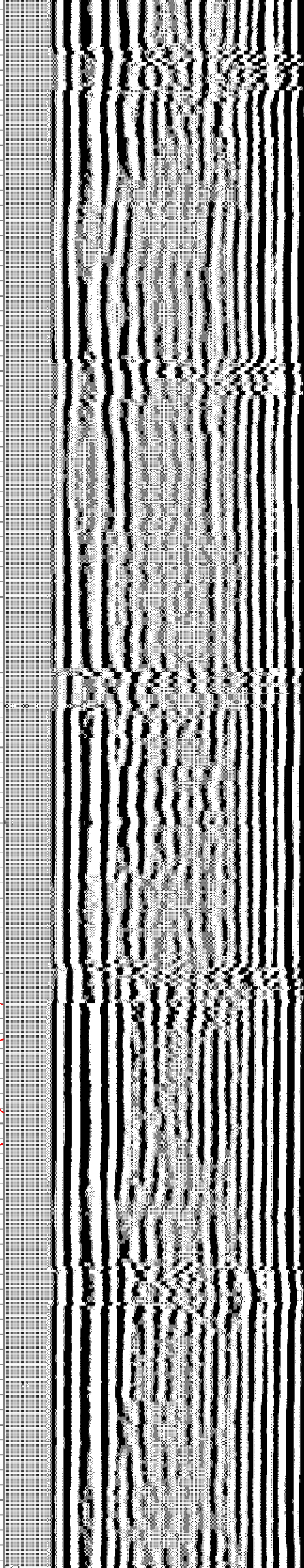
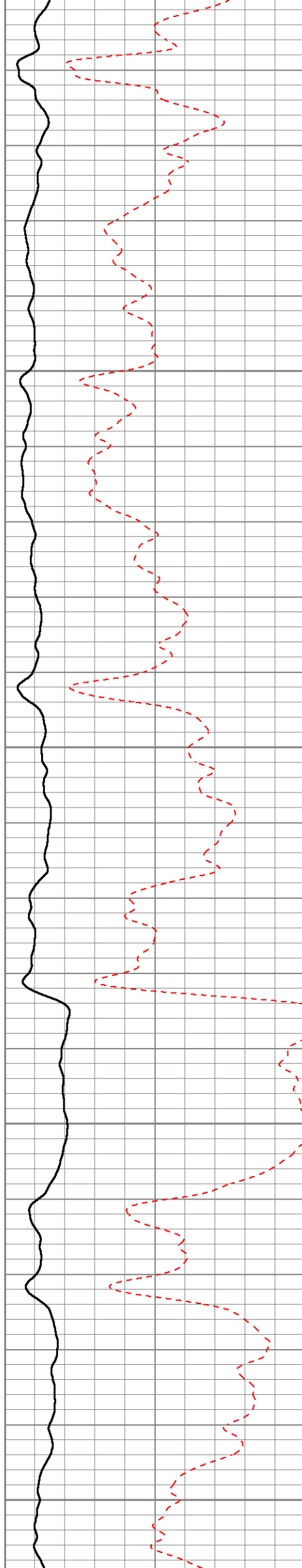


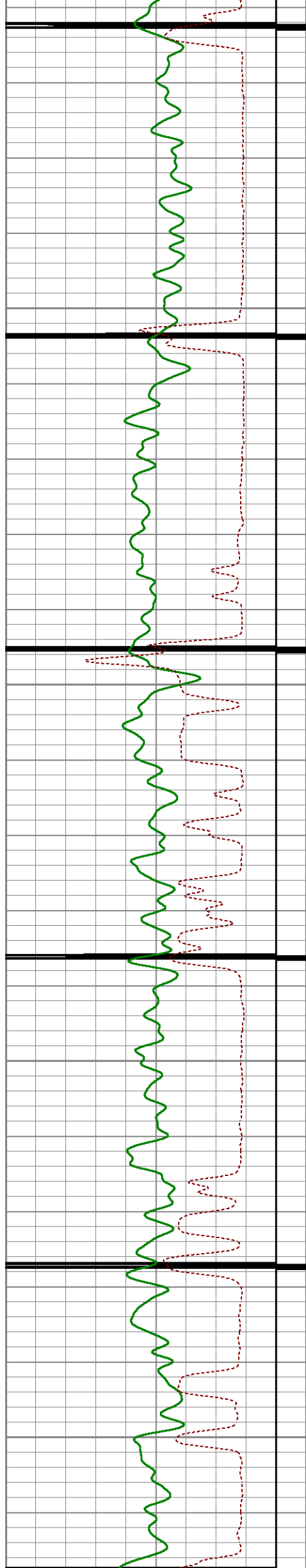
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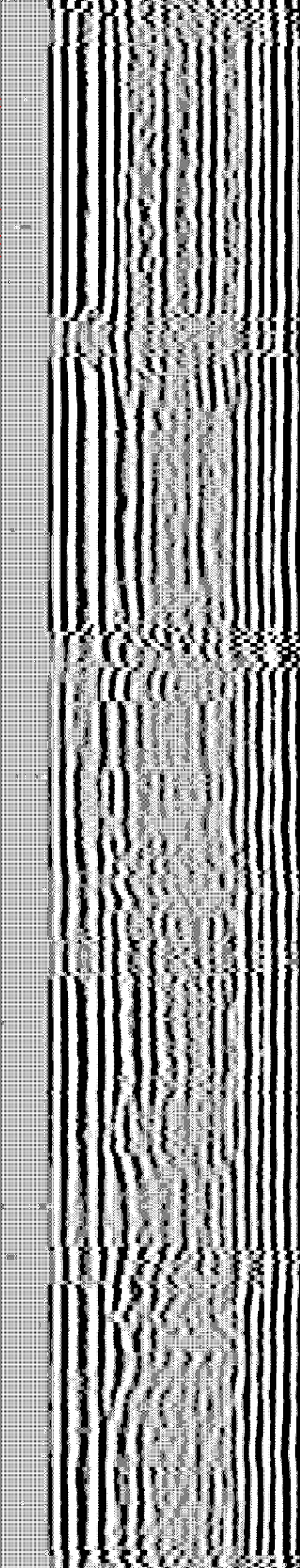
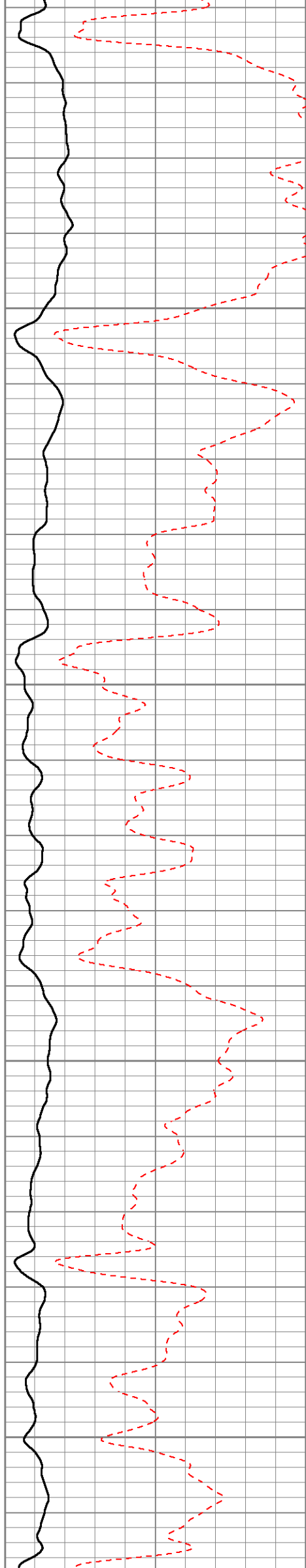


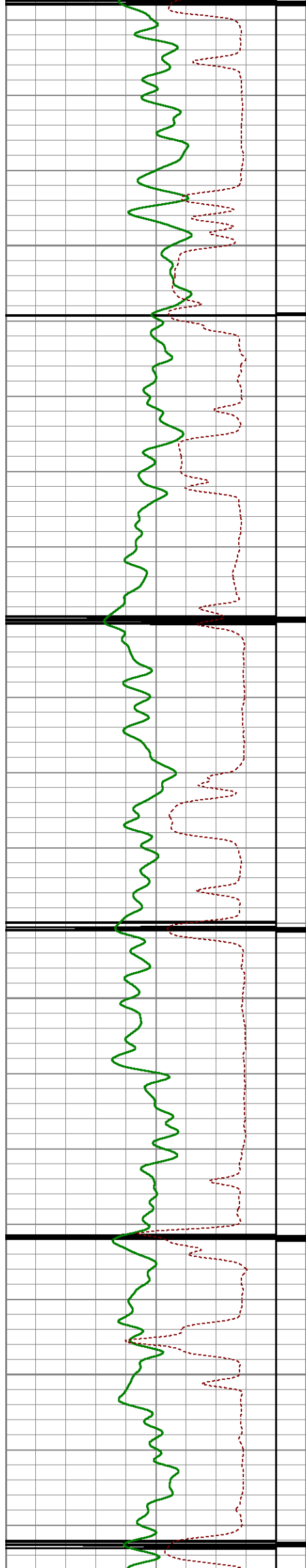
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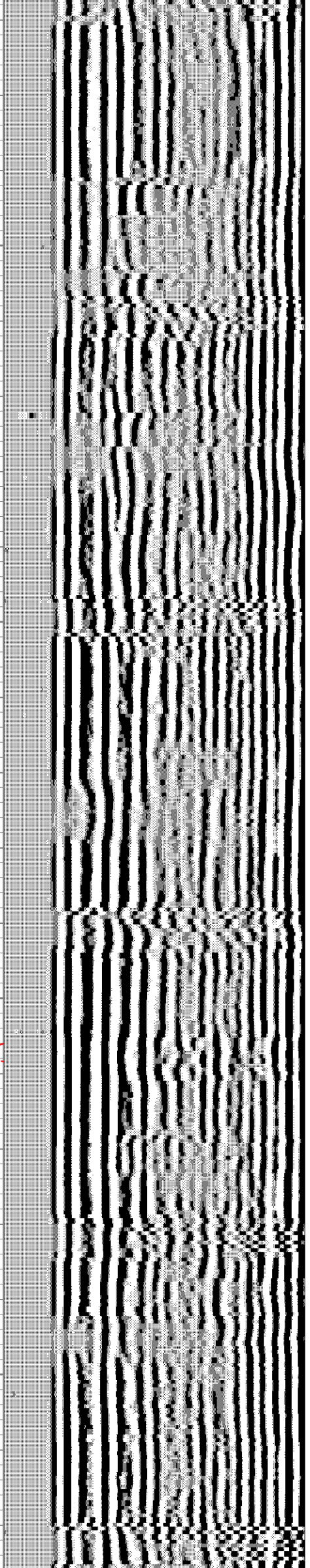
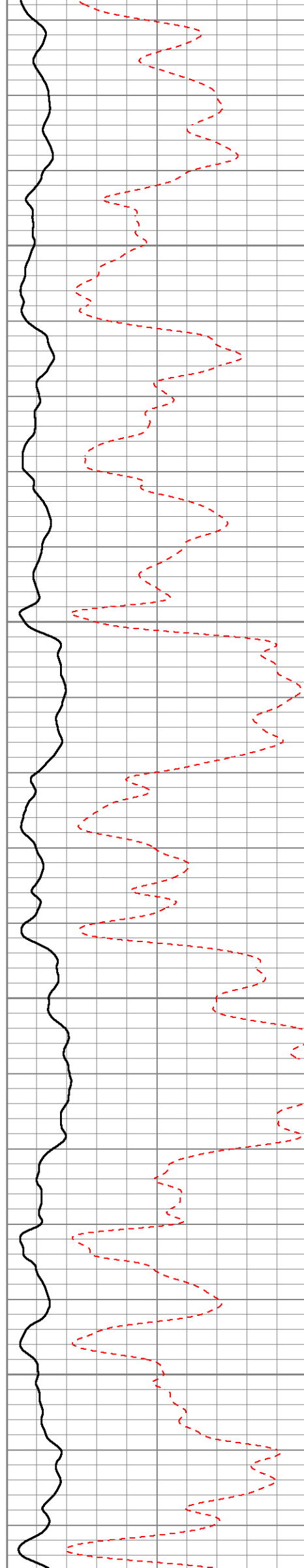


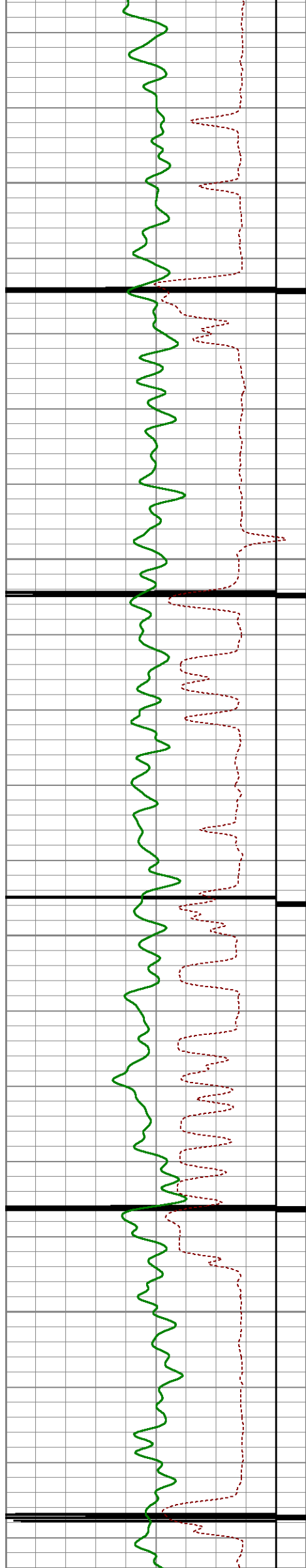
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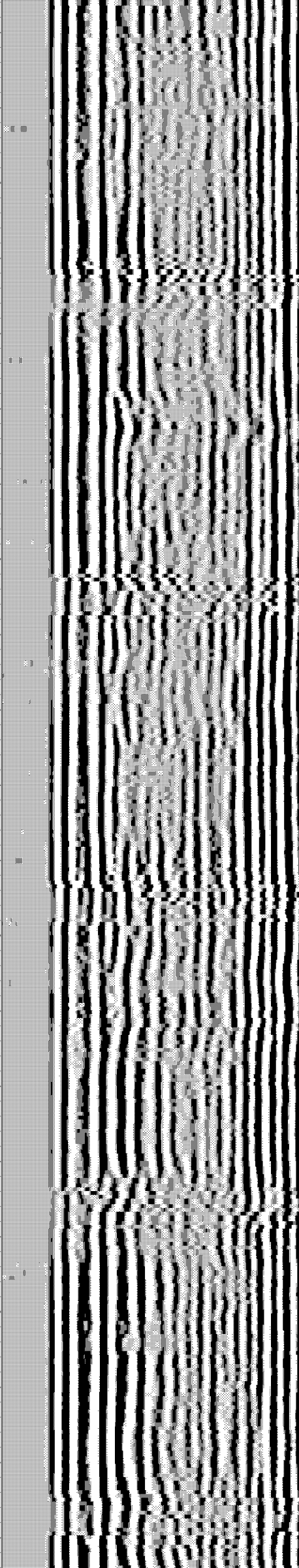
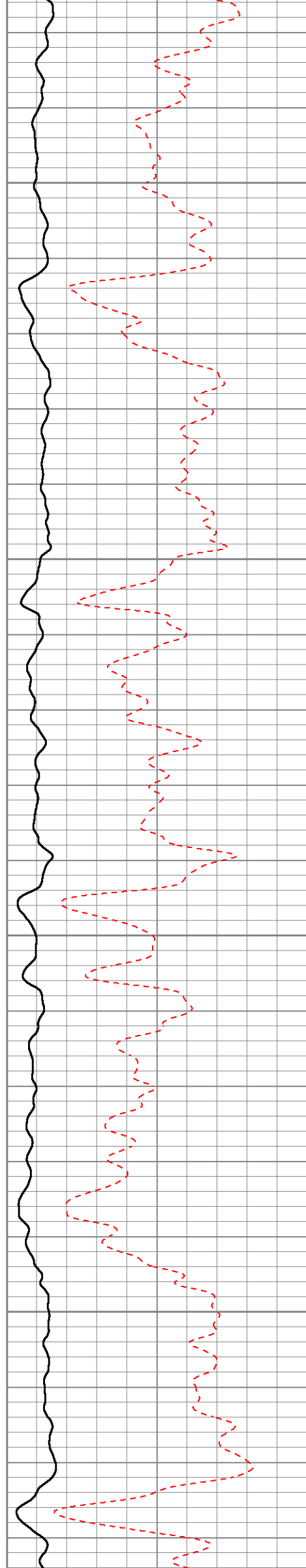


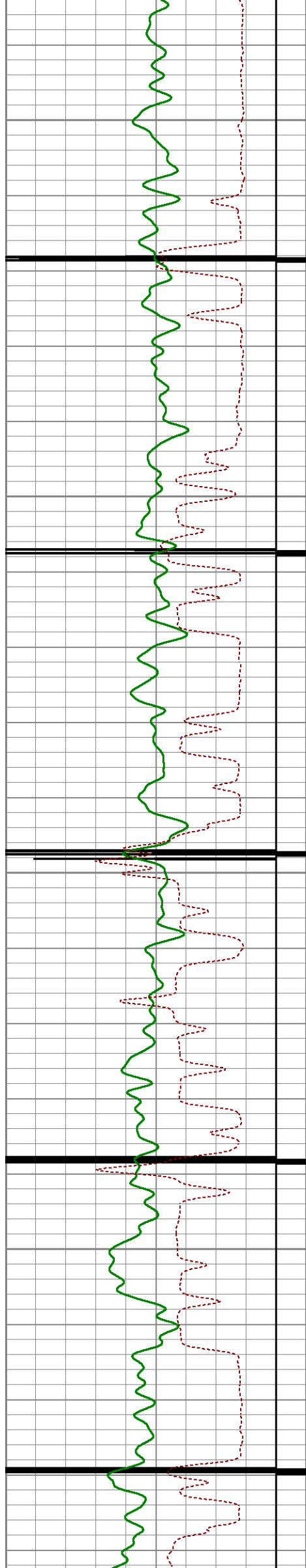
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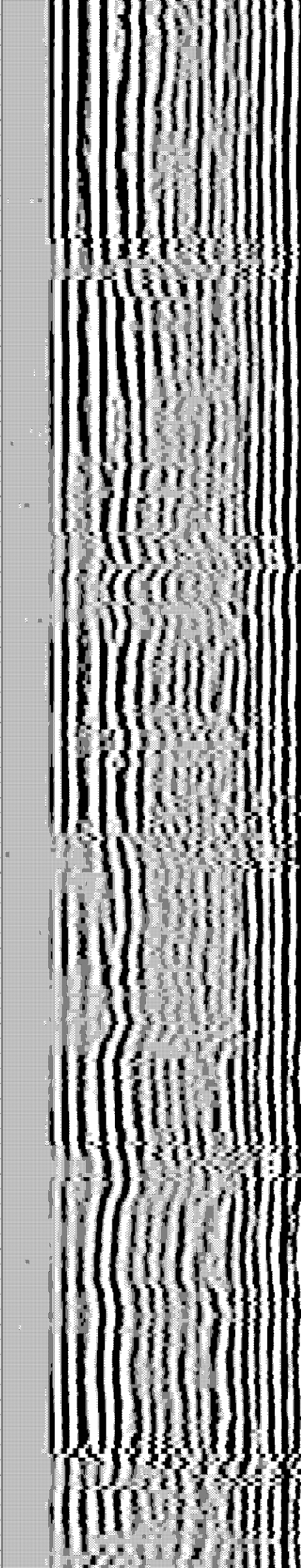
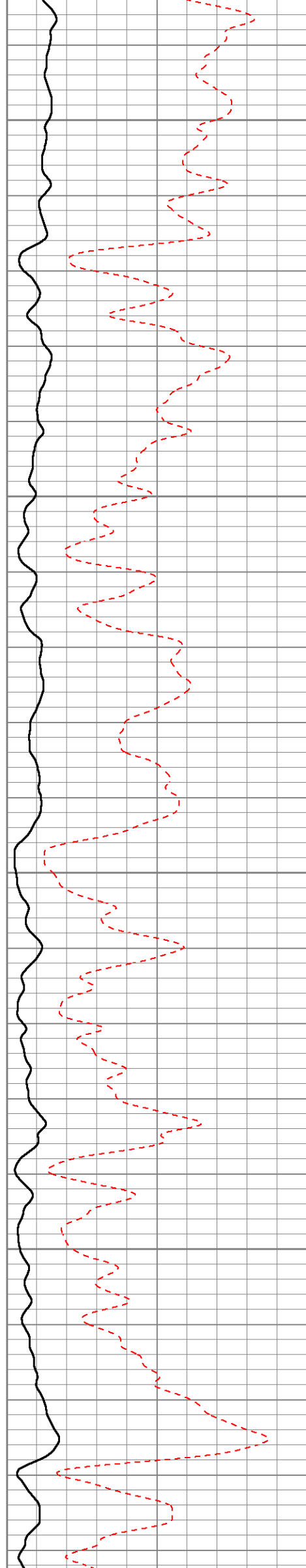


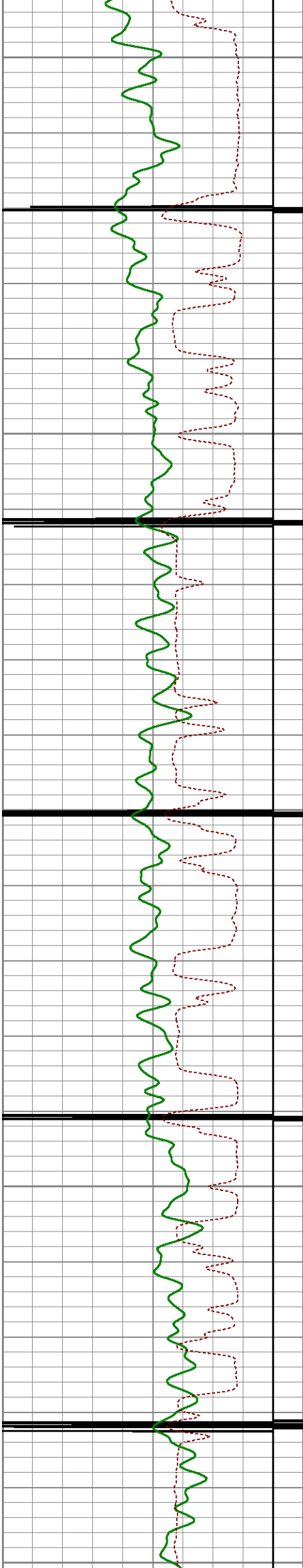
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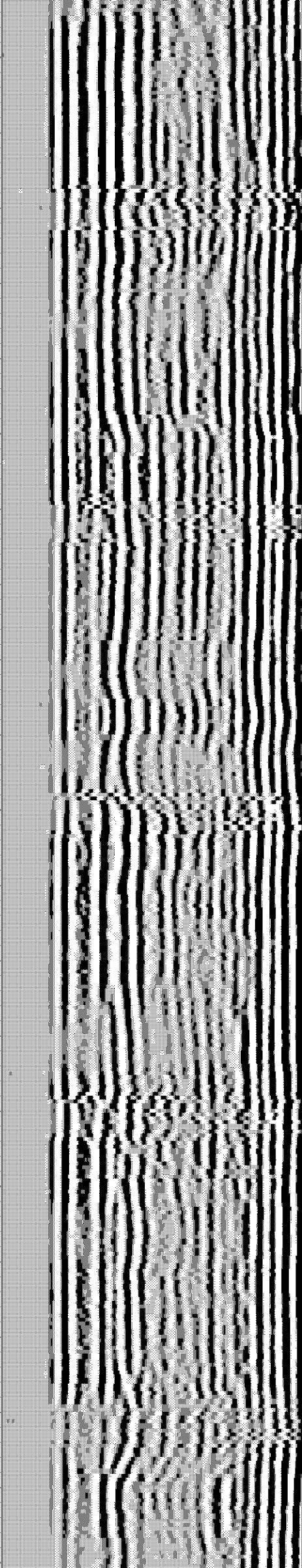
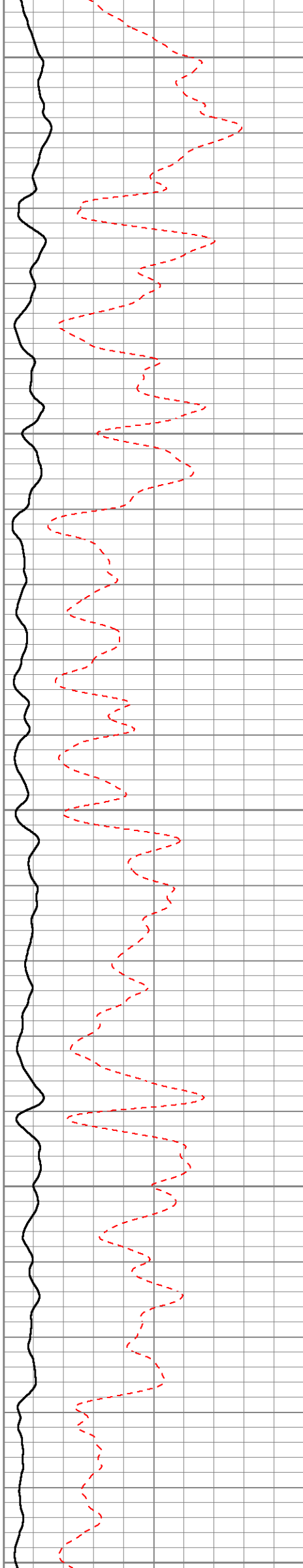
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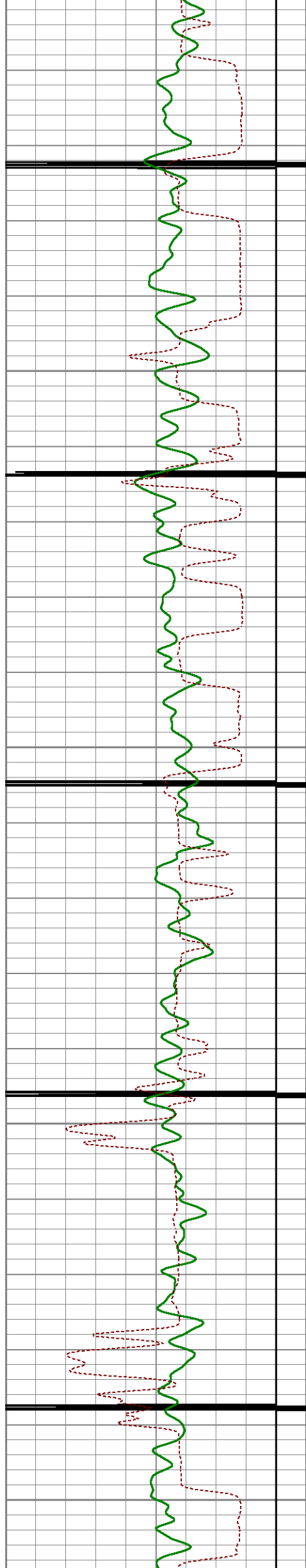
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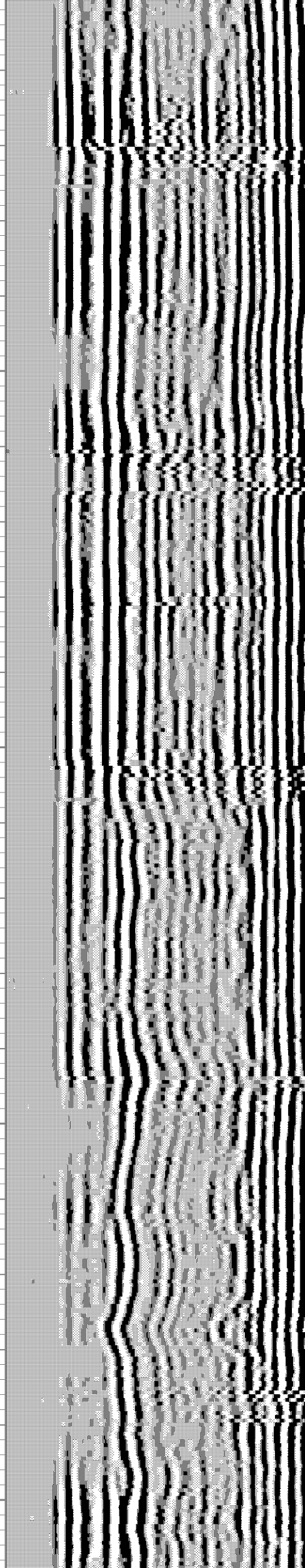
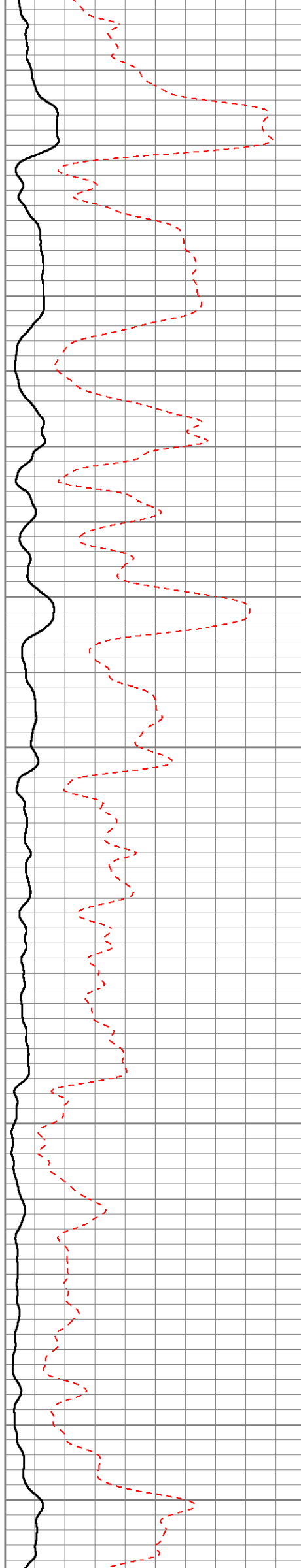


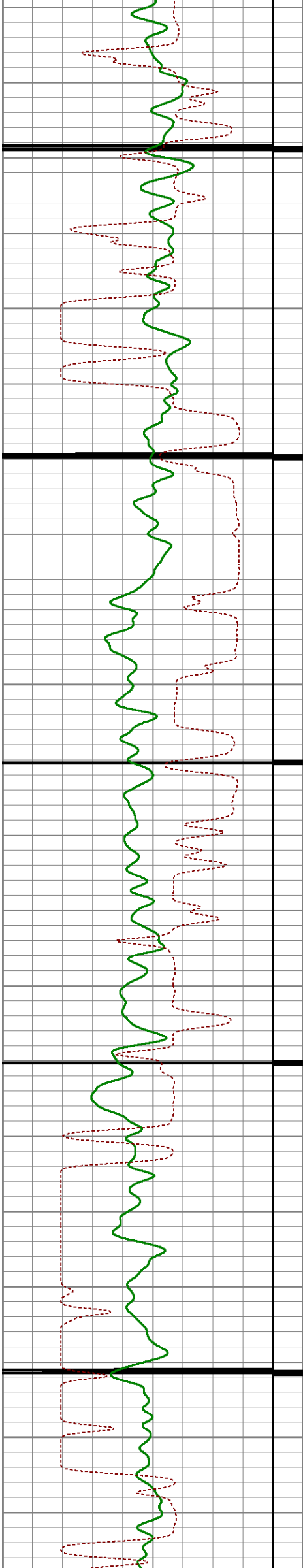
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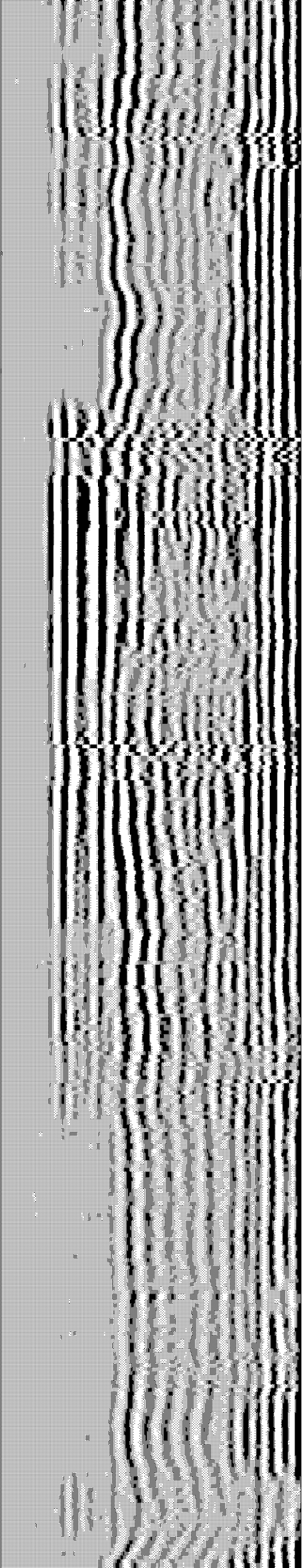
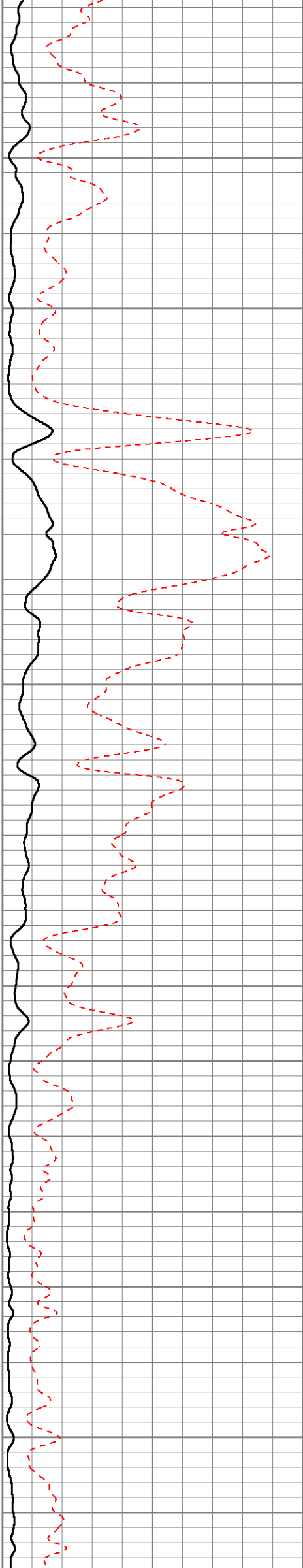


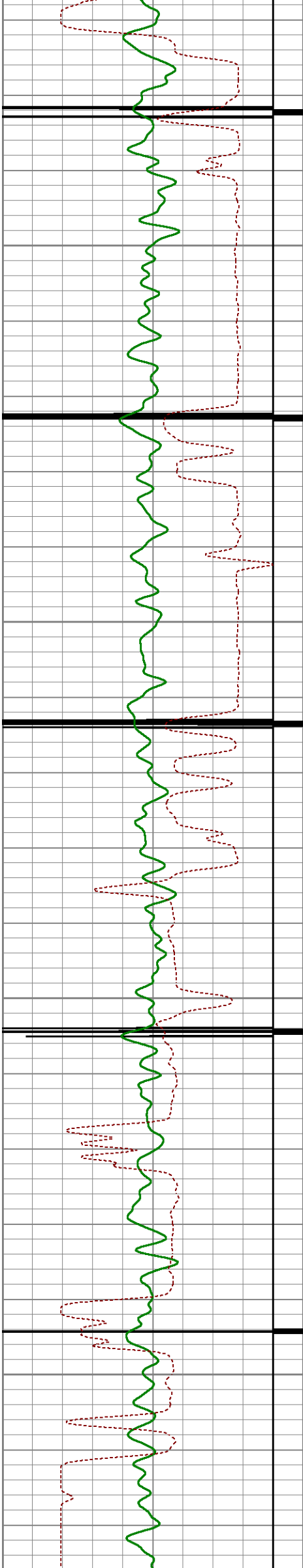
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5800



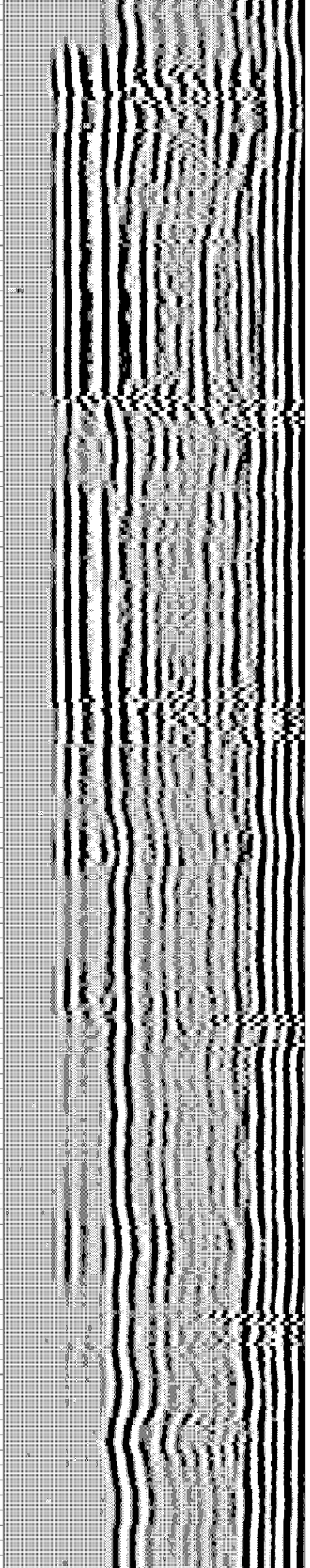
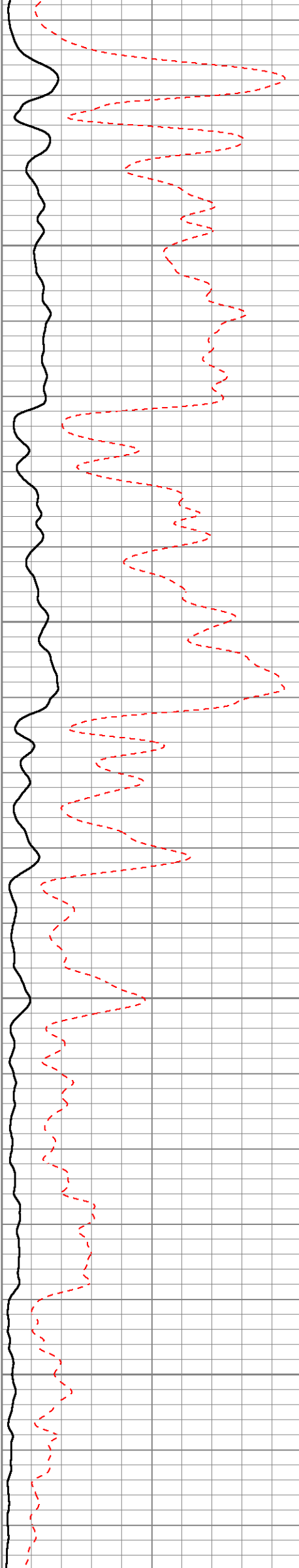


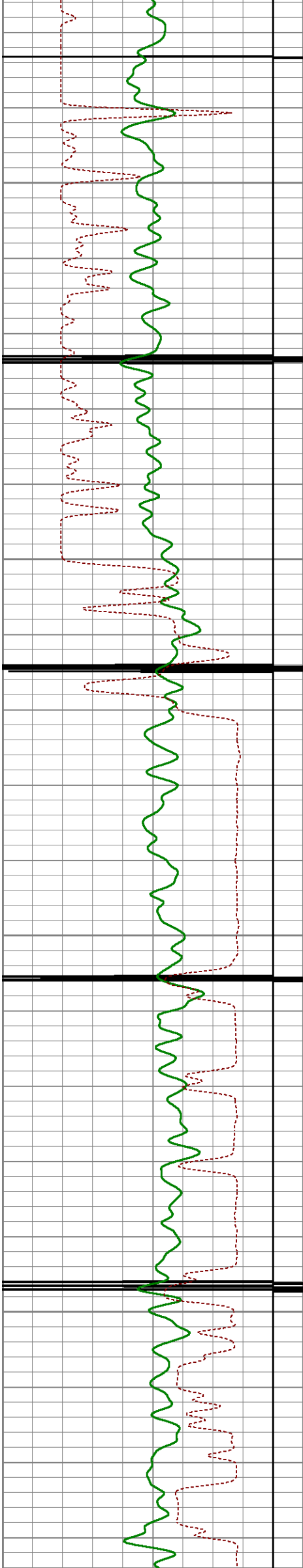
5850

5900

5950

6000



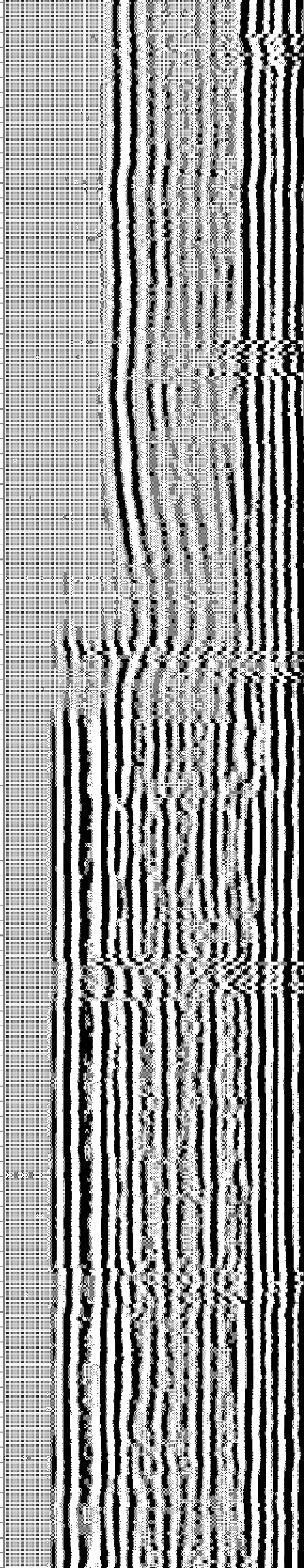
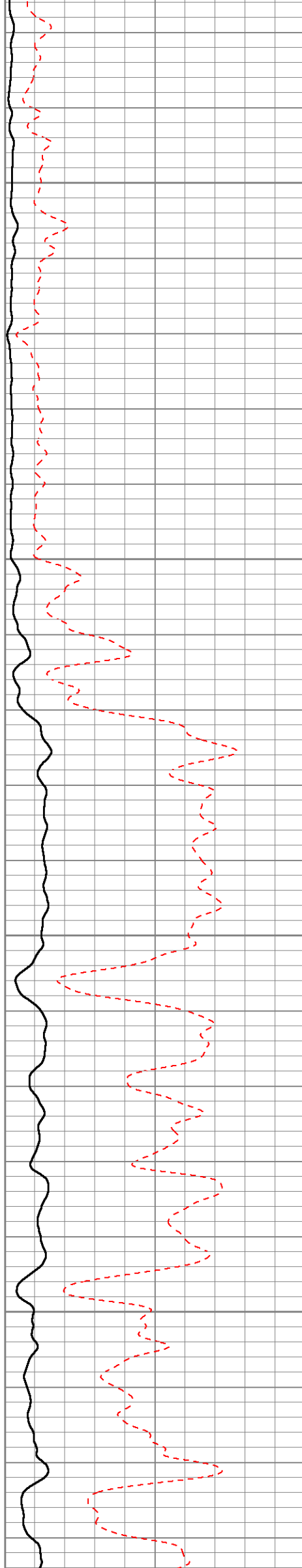


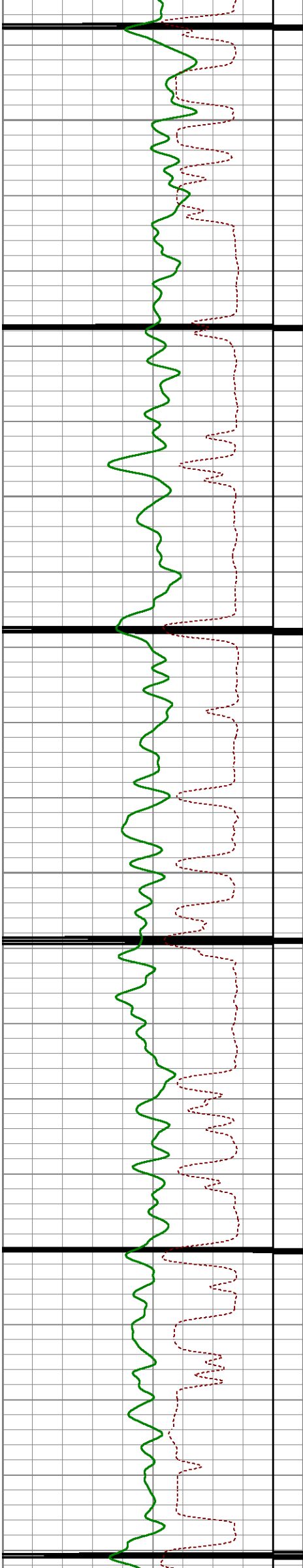
6050

6100

6150

6200



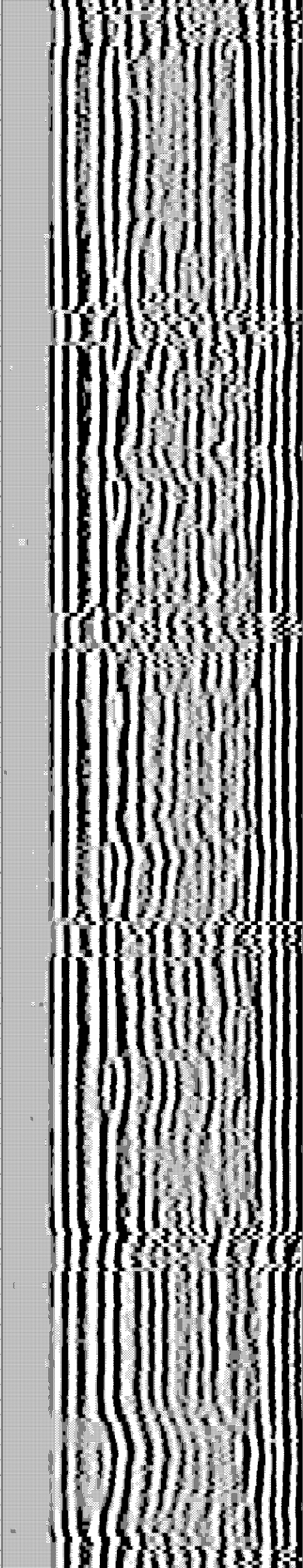
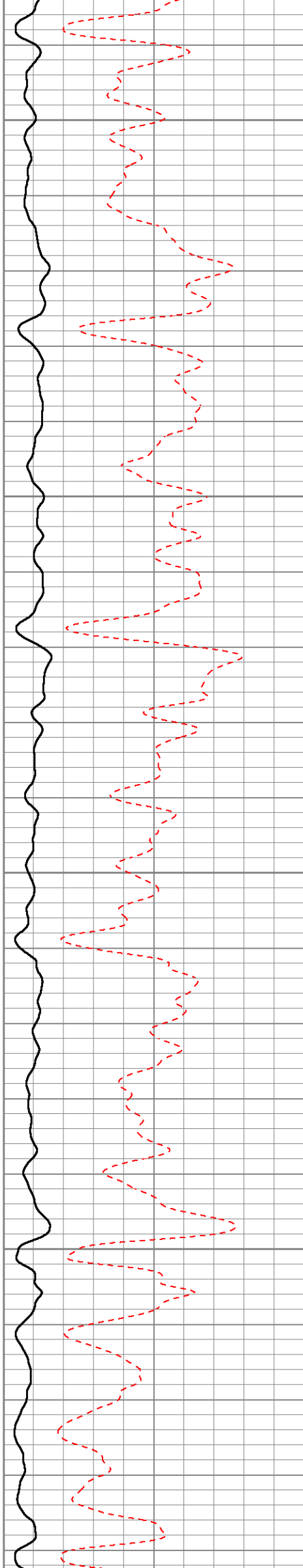


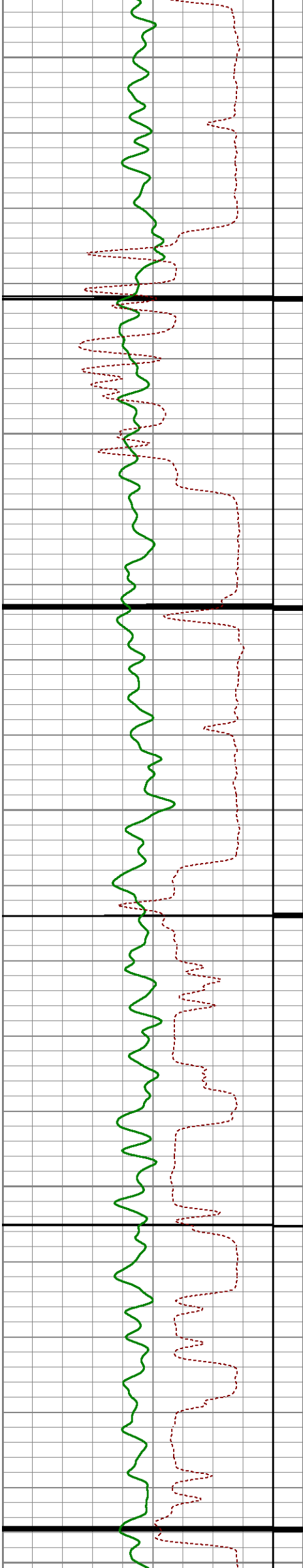
6250

6300

6350

6400





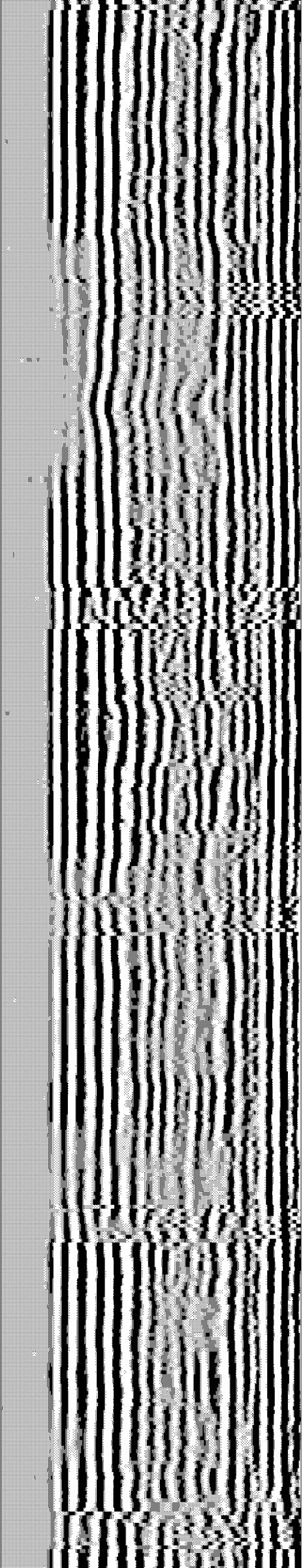
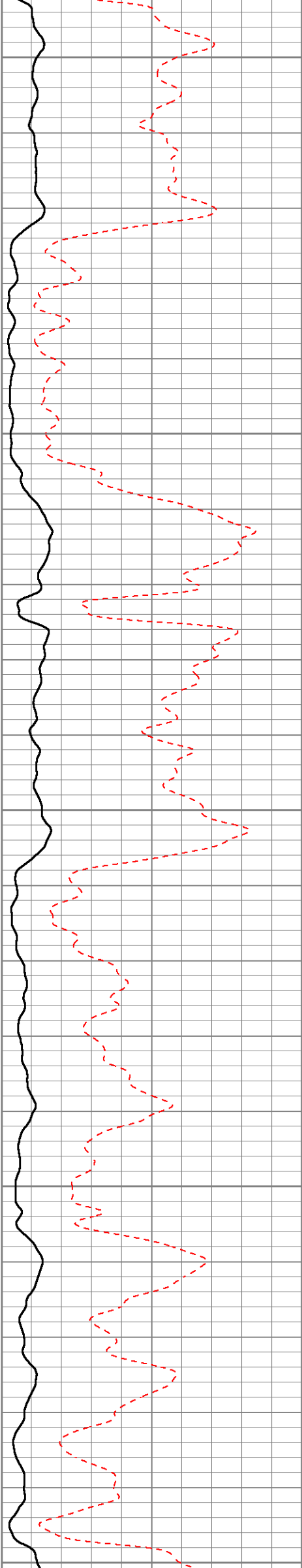
6450

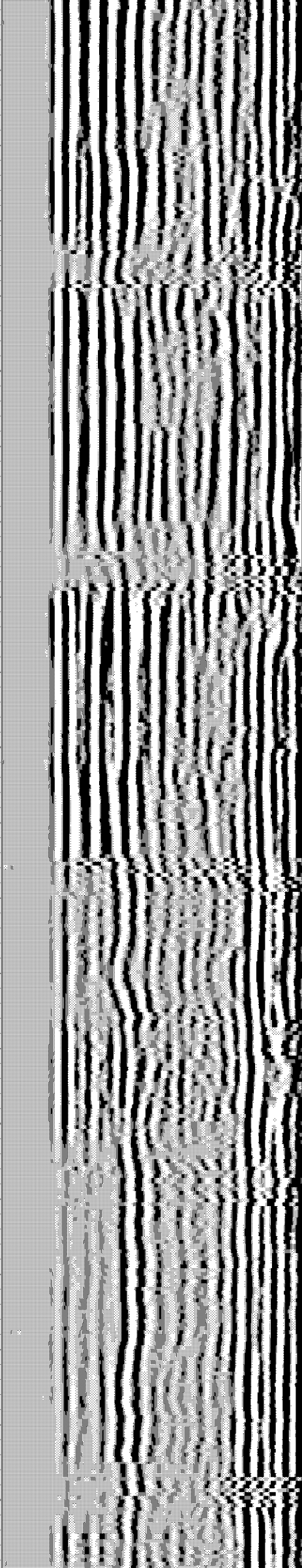
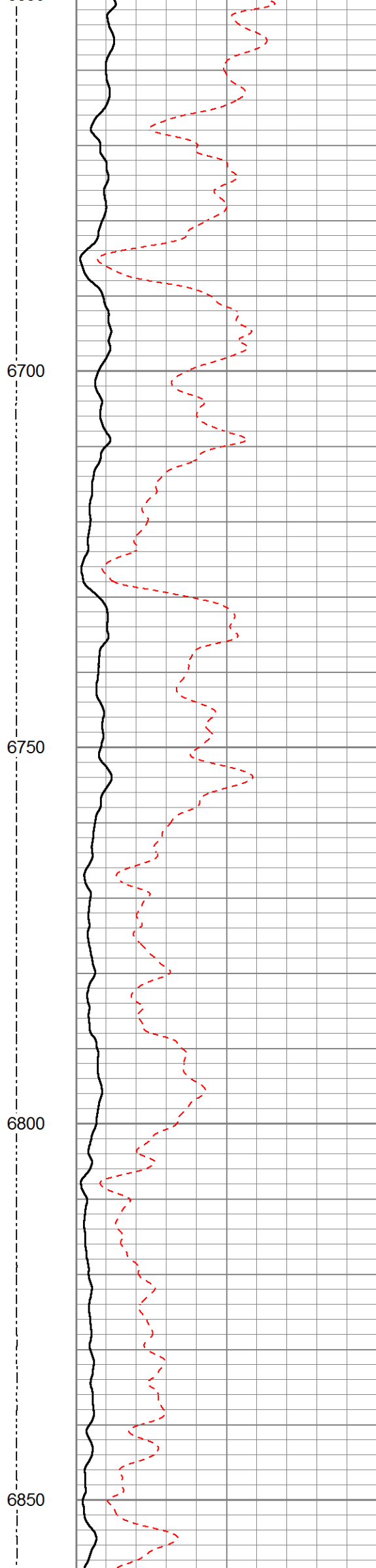
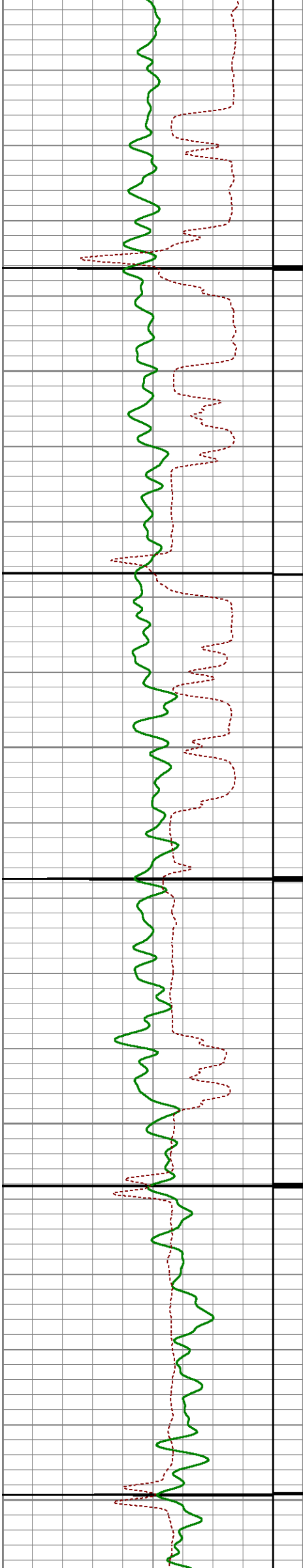
6500

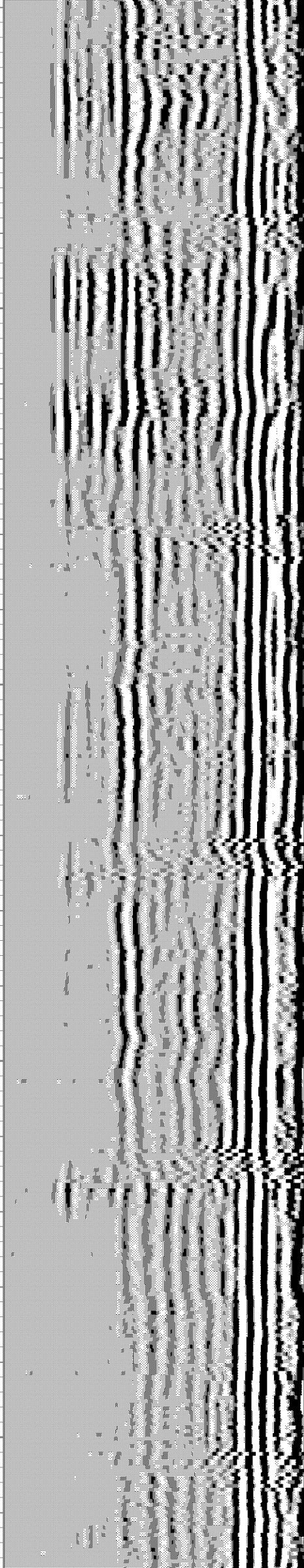
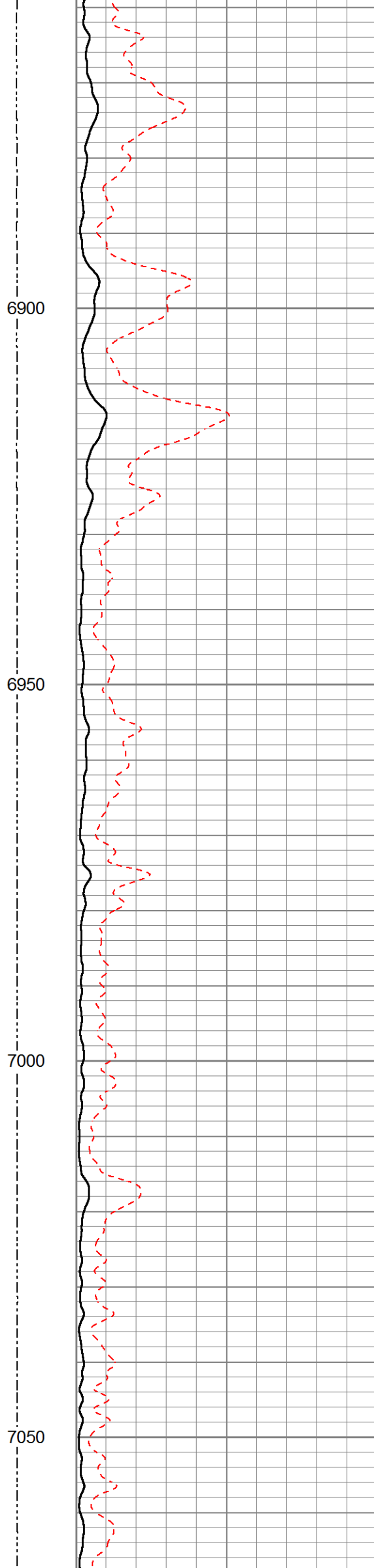
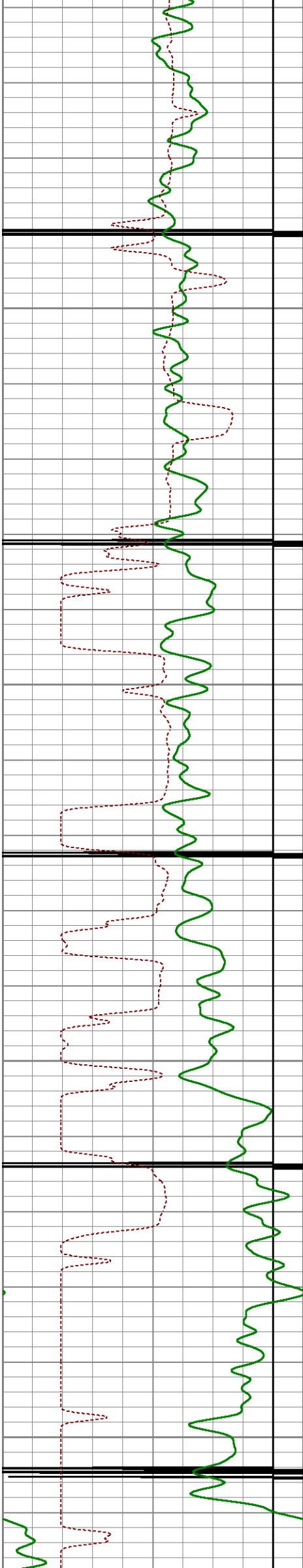
6550

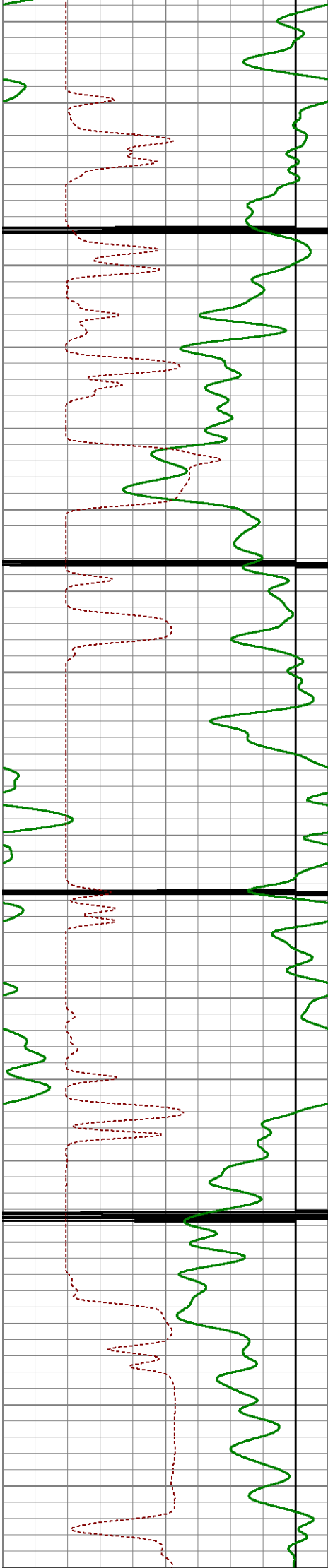
6600

6650







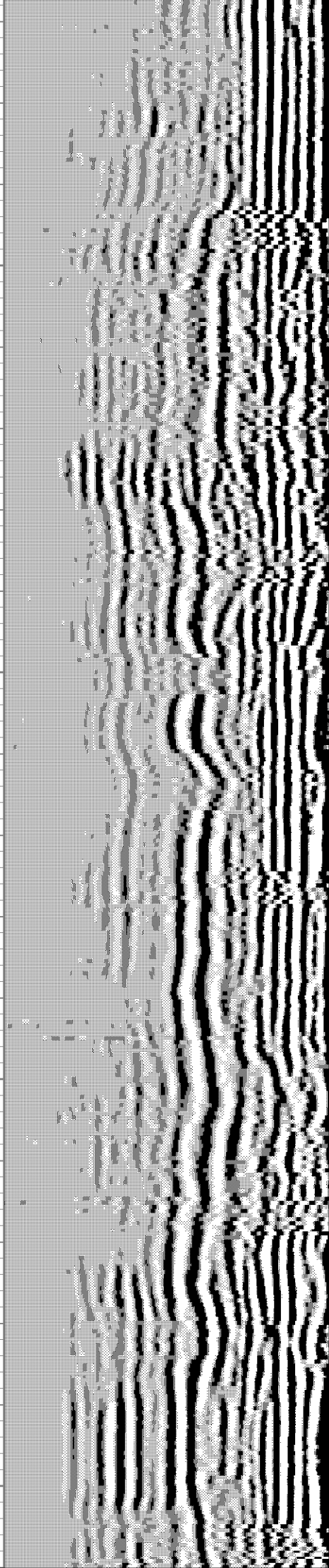
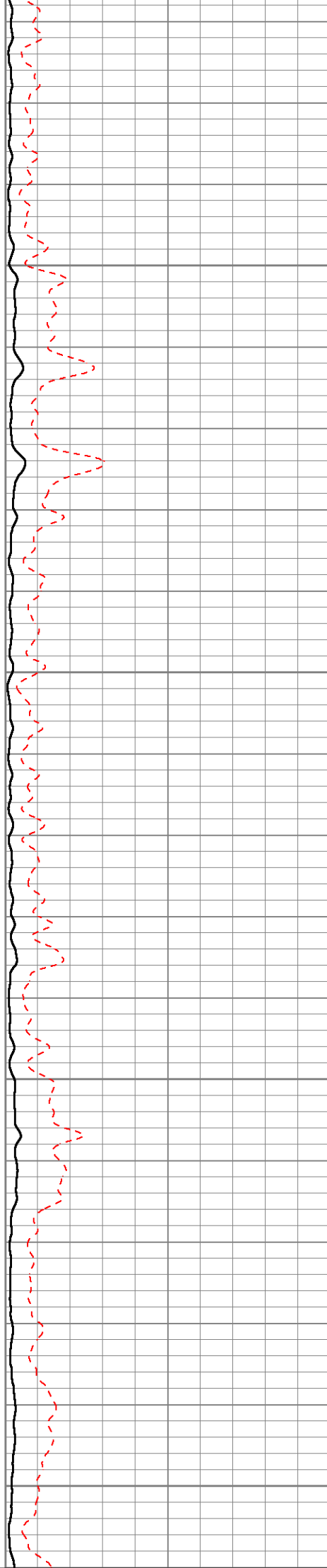


7100

7150

7200

7250



-9	COLLAR LOCATOR	1	TENS	0	AMPLIFIED 3FT AMP (mV)	20	200	Variable Density 5FT	1200
	GAMMA RAY API	0	(lb/3000	0	AMPLITUDE 3FT (mV)	100			
0		150							



MAIN PASS

3' 5' GR CCL VDL

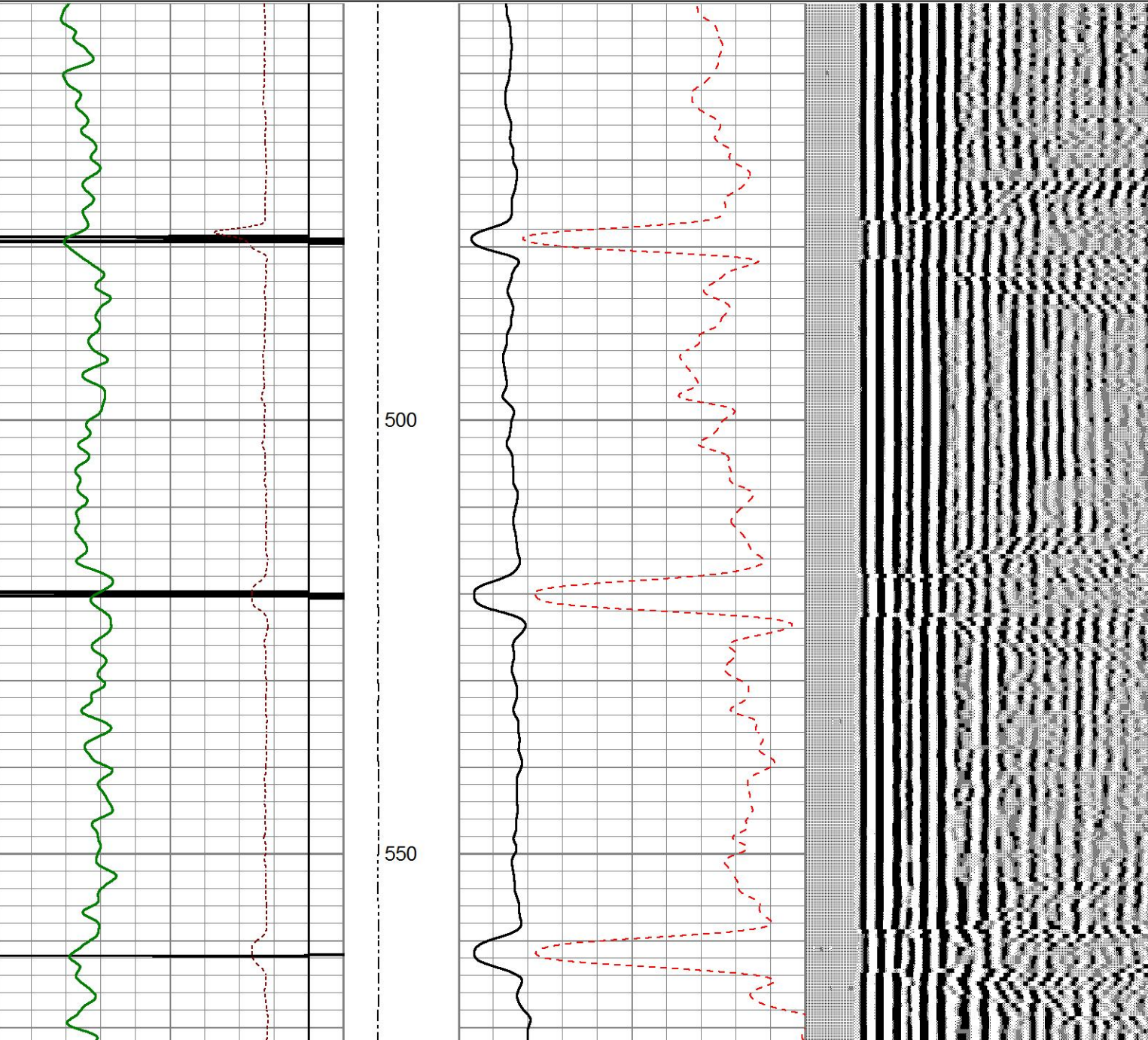


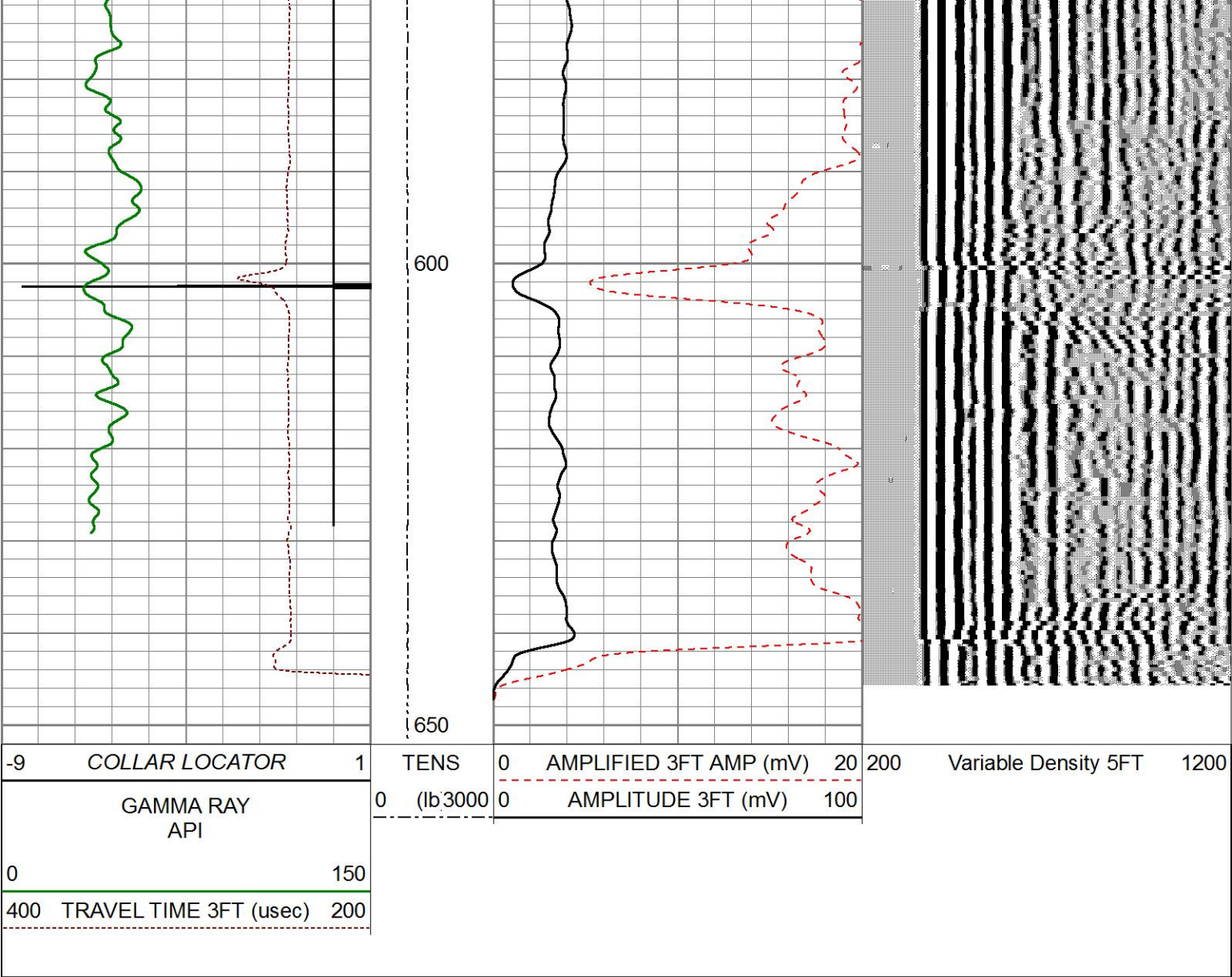
REPEAT PASS

3' 5' GR CCL VDL
CEMENT BOND LOG

Database File waag23.db
Dataset Pathname pass1.3
Presentation Format gc3ft5ft
Dataset Creation Wed Oct 14 22:02:36 2015
Charted by Depth in Feet scaled 1:200

-9	COLLAR LOCATOR	1	TENS	0	AMPLIFIED 3FT AMP (mV)	20	200	Variable Density 5FT	1200
	GAMMA RAY		0 (lb3000)	0	AMPLITUDE 3FT (mV)	100			
	API								
0		150							
400	TRAVEL TIME 3FT (usec)	200							

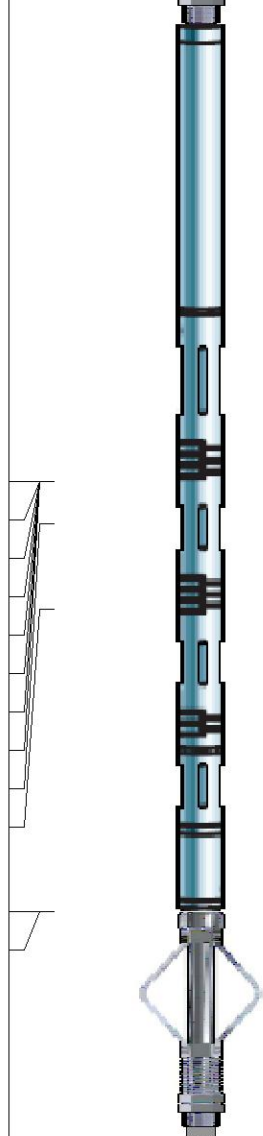




REPEAT PASS

3' 5' GR CCL VDL
CEMENT BOND LOG

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
CCL	23.39		CHD-Weatherford	1.03	1.44	
			CCLL-CTBA2.7H (CTBA2_7H) 2.75CCL/TELEMETRY COMPUTALOG LOGGING CCL	3.40	2.75	40.00
GR	19.78		GR-GRBA2.7H (GRBA2_7H) 2 3/4" 350F/20K PSI COMPUTALOG SIX PIN GAMMA RAY	4.76	2.75	40.00

				CENT-2.75CCent 2 3/4" computalog cent	3.08	2.75	11.90
WVFS8	7.65			SCBT-SCBT2.7H (SCBT2_7H-XXXX) 2 3/4" 350F/20K PSI COMPUTALOG SECTOR BOND TOOL	10.29	2.75	90.00
WVFS7	7.65						
WVFS6	7.65						
WVFS5	7.65						
WVFS4	7.65						
WVFS3	7.65						
WVFS2	7.65						
WVFS1	7.65						
WVF3FT	7.16						
WVF5FT	6.18						
WVFSYNC	2.67						
WVFCAL	2.67						
				CENT-2.75CCent 2 3/4" computalog cent	2.50	2.75	11.90
				BullPlug-BullPlug1	0.17	1.69	2.00

Dataset: waag23.db: field/well/run1/pass1.3

Total length: 25.22 ft

Total weight: 195.80 lb

O.D.: 2.75 in