



3' 5' GAMMA RAY CCL VDL CEMENT BOND LOG

Company	EXTRACTION OIL AND GAS			
Well	WESTWIND 4			
Field	WATTENBERG			
County	WELD			
State	COLORADO			
Location:	AP1 # : 05-123-41012-00		Other Services	
SHL: 1046' FSL & 252' FWL				
Permanent Datum	GL	Elevation	4819	
Log Measured From	KB			
Drilling Measured From	KB			
SEC 7 TWP 6N RGE 67W		Elevation		
		K.B. 4844 D.F. 4844 G.L. 4819		

Run Number	1		
Depth Driller	12317		
Depth Logger	7450		
Bottom Logged Interval	7450		
Top Log Interval	0		
Open Hole Size	7.875		
Type Fluid	H2O		
Density / Viscosity	8.4		
Max. Recorded Temp.	230		
Estimated Cement Top	SEE LOG		
Time Well Ready	ON ARRIVAL		
Time Logger on Bottom	SEE LOG		
Equipment Number	14166		
Location	CASPER		
Recorded By	N.SOUTHAM		
Witnessed By	LARRY SEIGEL		

Run Number	Borehole Record			Lining Record			
	Bit	From	To	Size	Weight	From	To

String	Size	Wgt./ft	Top	Bottom
Washing Record				
Surface String	9.625	36	0	850
Prot. String				
Production String	5.5	20	0	12317
Inner				

<<< Fold Here >>>

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:CRANE	Prints:2	Service Order #148281313
THAK YOU FOR CHOOSING WEATHERFORD WIRELINE YOUR CREW TODAY WAS.			
N. SOUTHAM J BARNETT B DIESBERG			
THIS LOG WAS RAN FROM DEEPEST REACHABLE DEPTH TO SURFACE			

BHT		EQUIPMENT DATA			
Bit Size		Run No.	Tool Type	Tool No.	Other
Surface Pressure		1	CTBA	228	
Shut In		1	GRBA	236	
		1	CENB	210	
		1	SBTA	229	
		1	CENA	210	
			MAX TEMP		

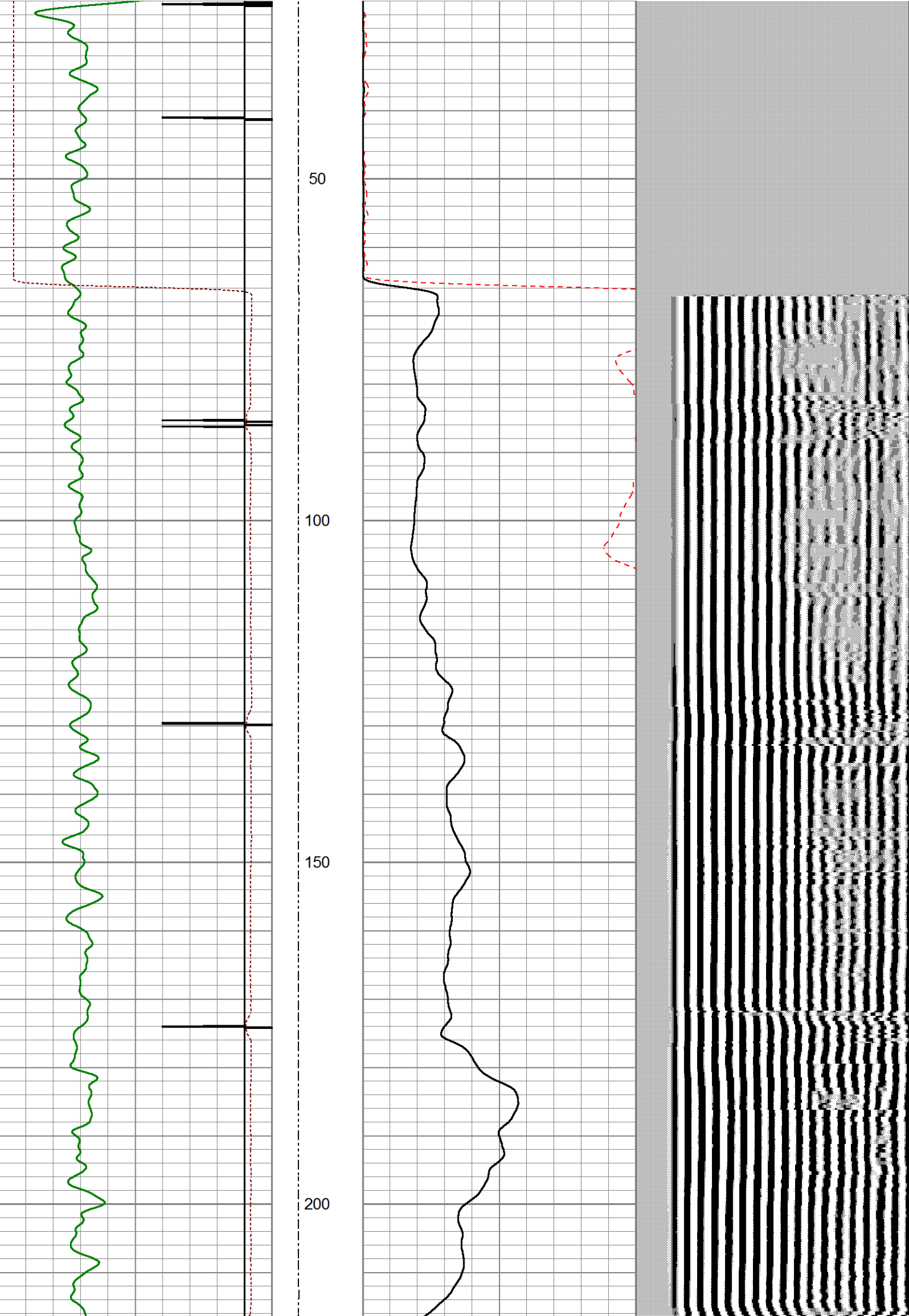


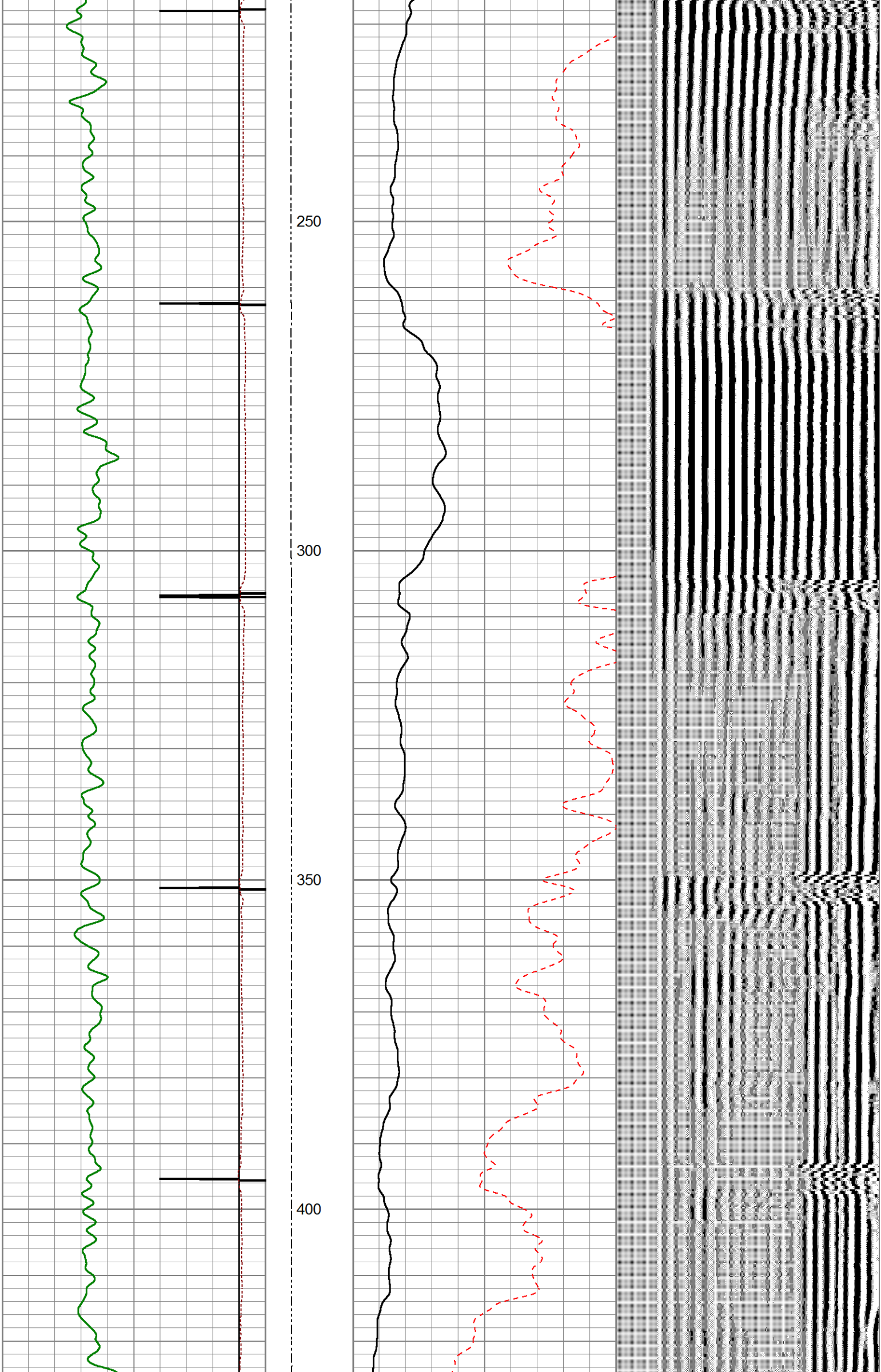
MAIN PASS

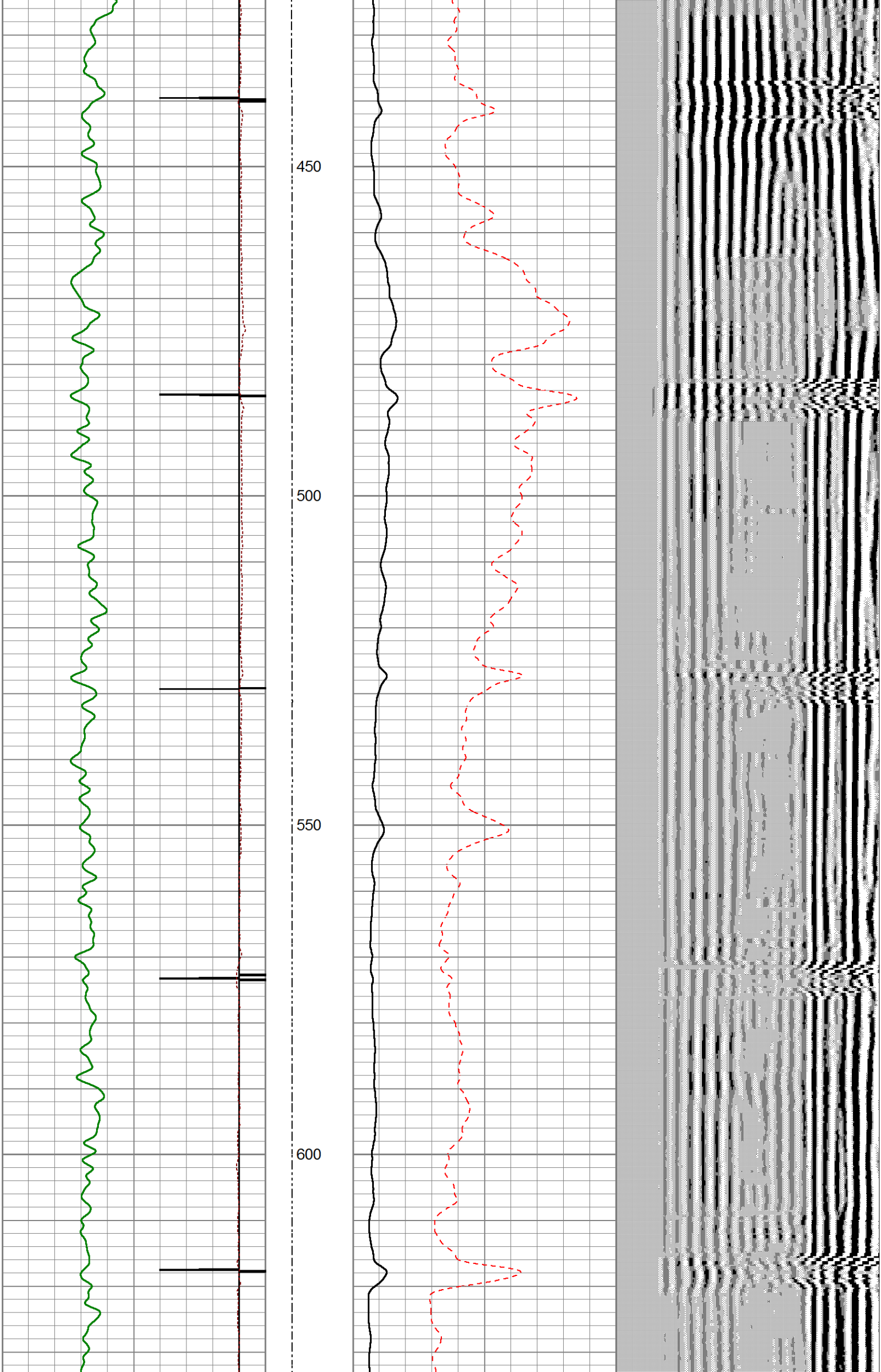
CEMENT BOND LOG

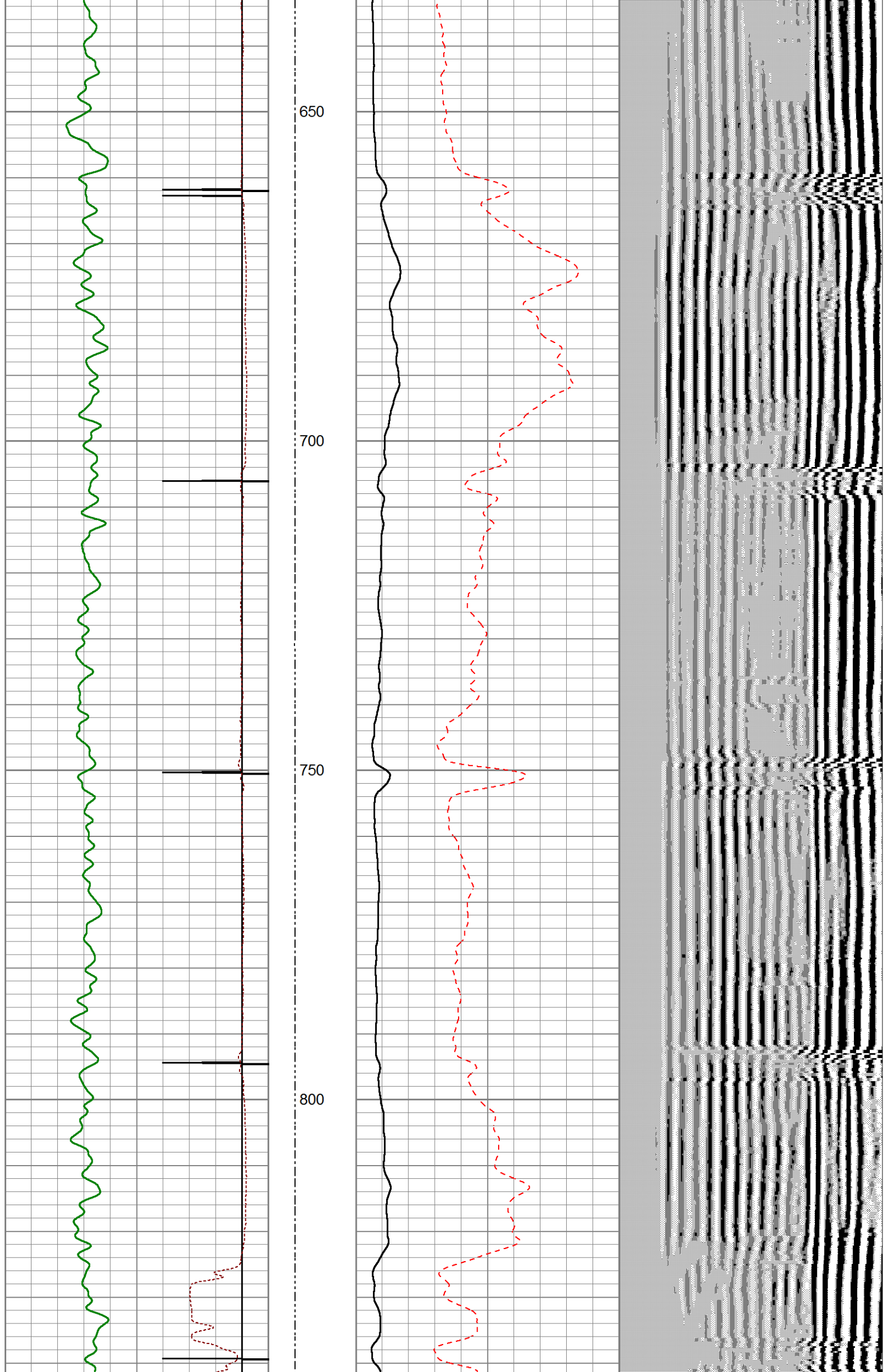
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Dataset Pathname	pass5.1
Presentation Format	gc3ft5ft
Dataset Creation	Thu Apr 21 20:35:03 2016
Charted by	Depth in Feet scaled 1:200

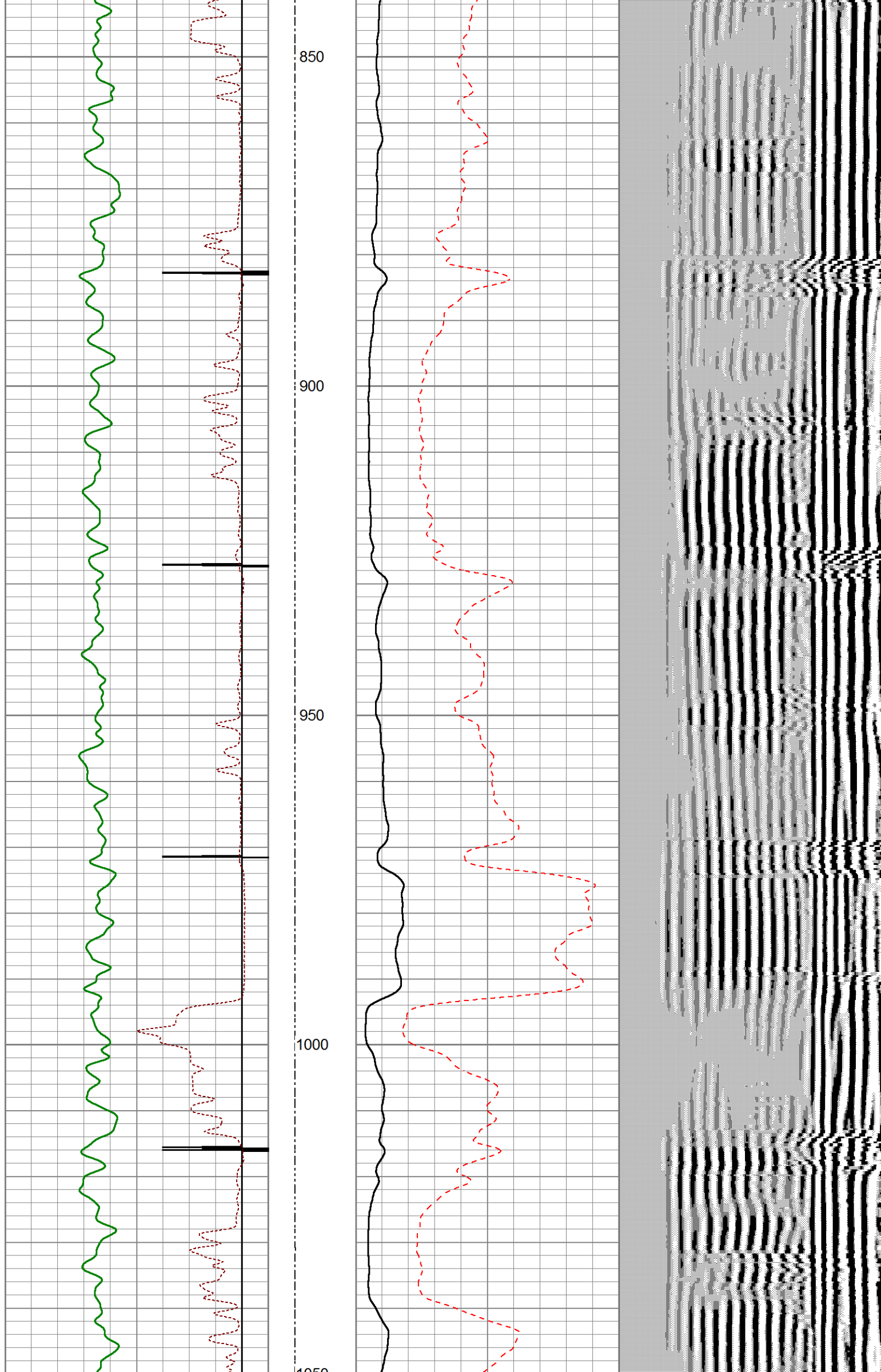
-9	COLLAR LOCATOR	1	TENS	0	AMPLIFIED 3FT AMP (mV)	20	200	Variable Density 5FT	1200
	GAMMA RAY API	0	(lb 3000)	0	AMPLITUDE 3FT (mV)	100			





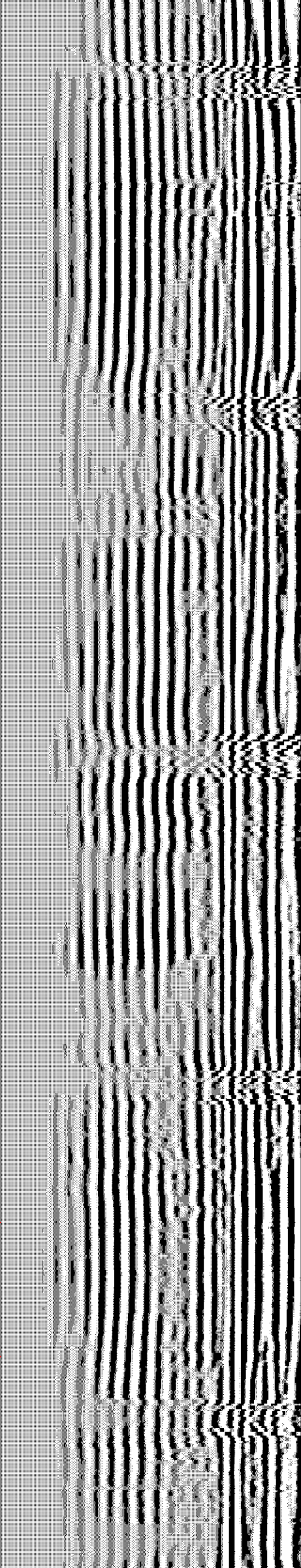
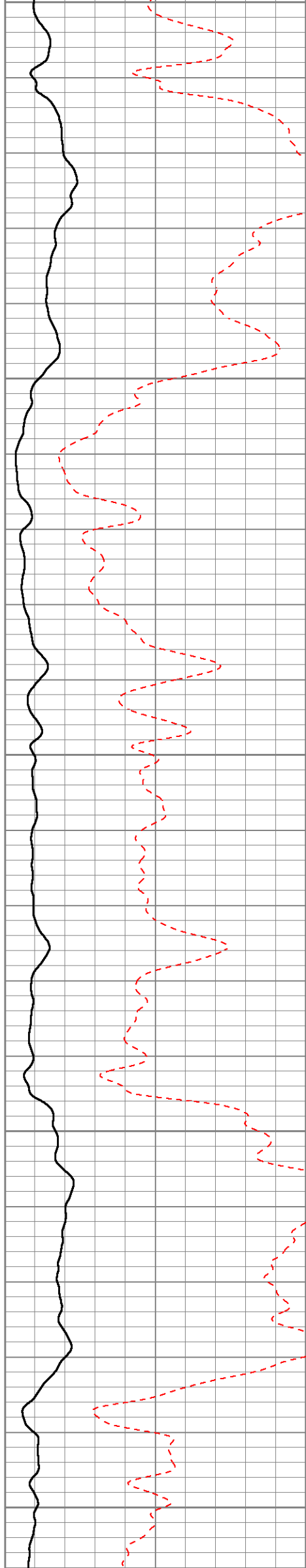


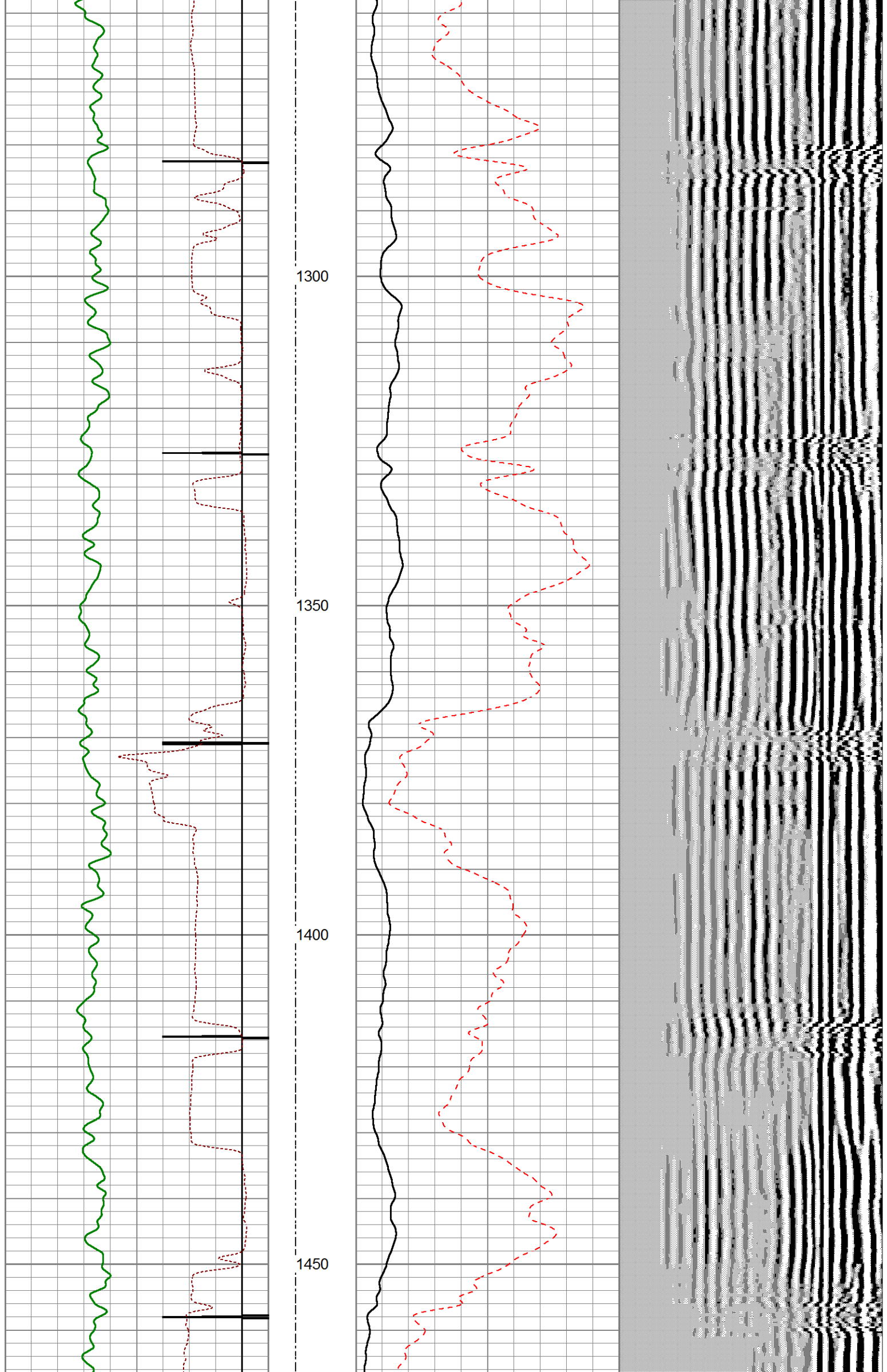






1050
1100
1150
1200
1250





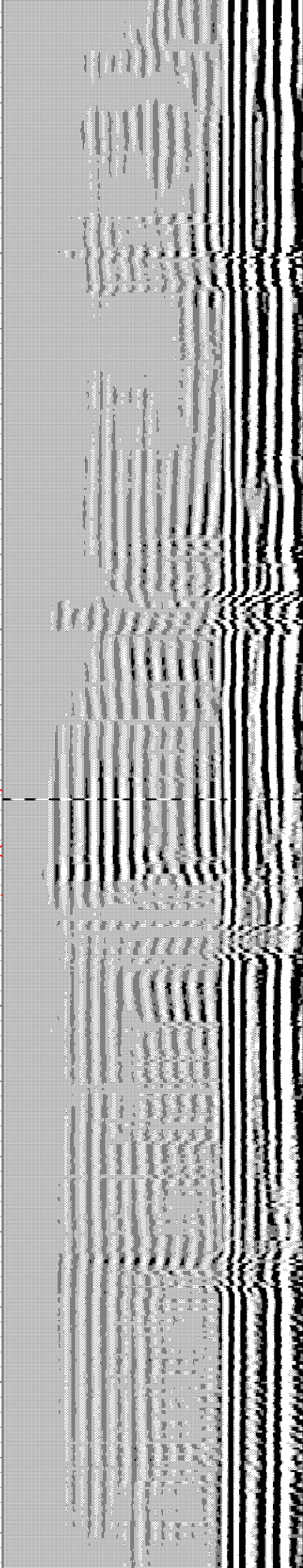


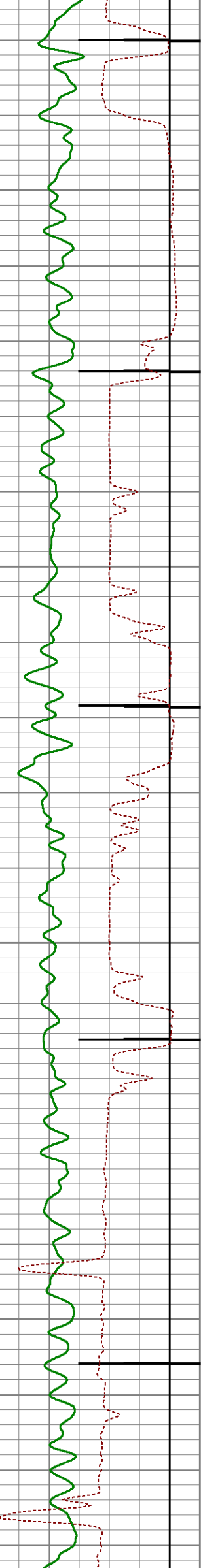
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1550

1600

1650



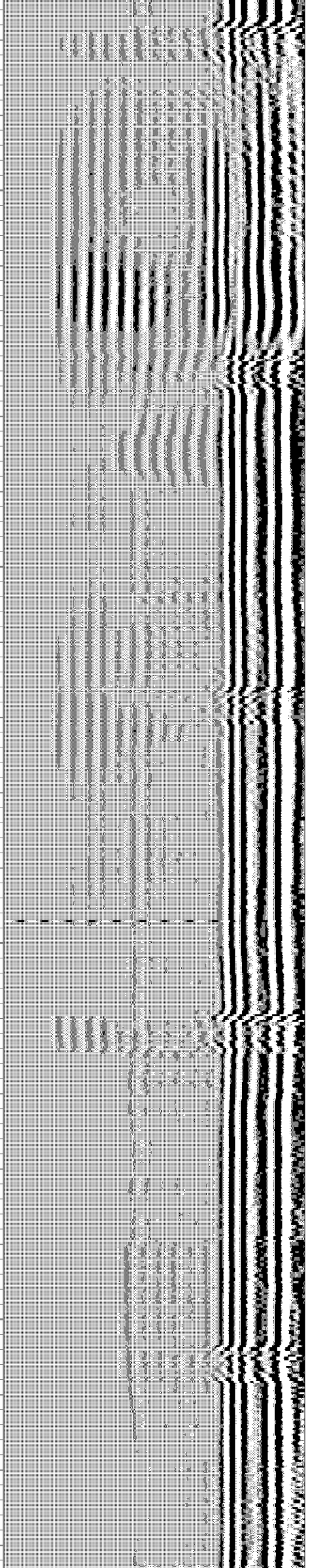
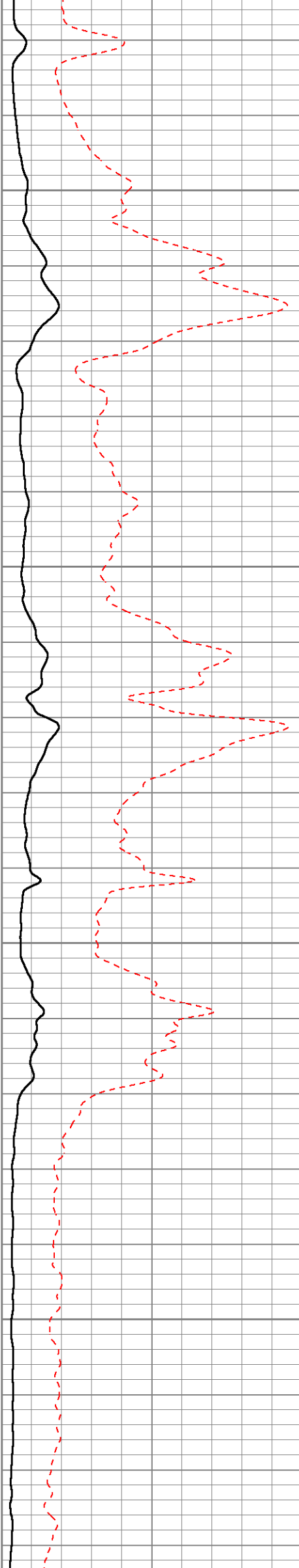


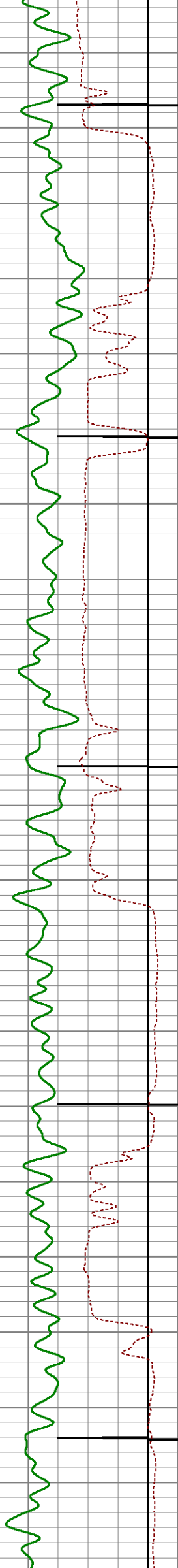
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1750

1800

1850



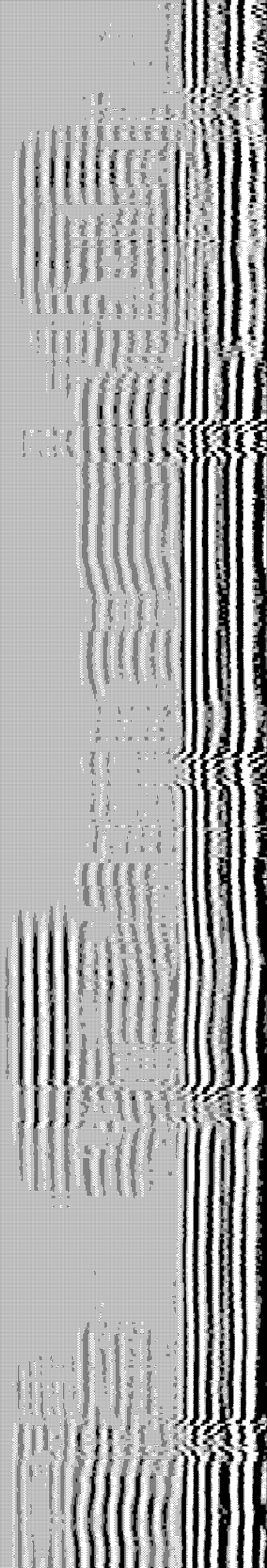


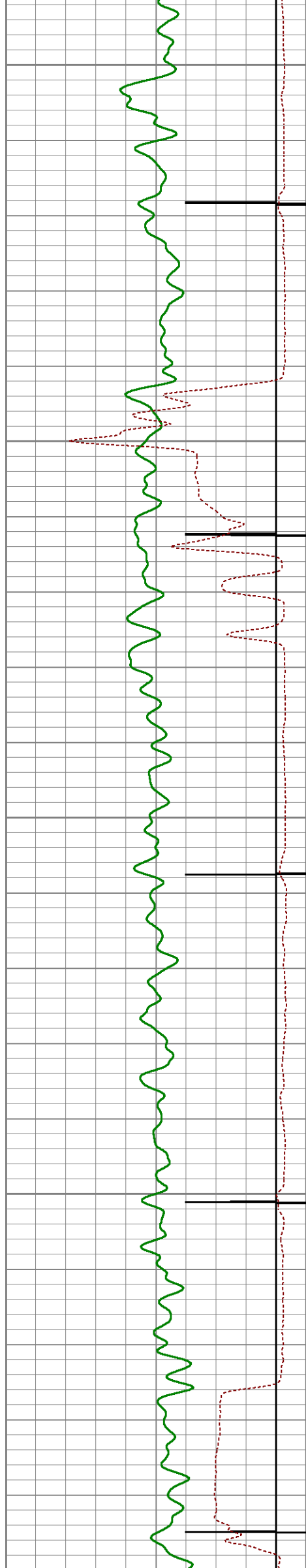
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1950

2000

2050





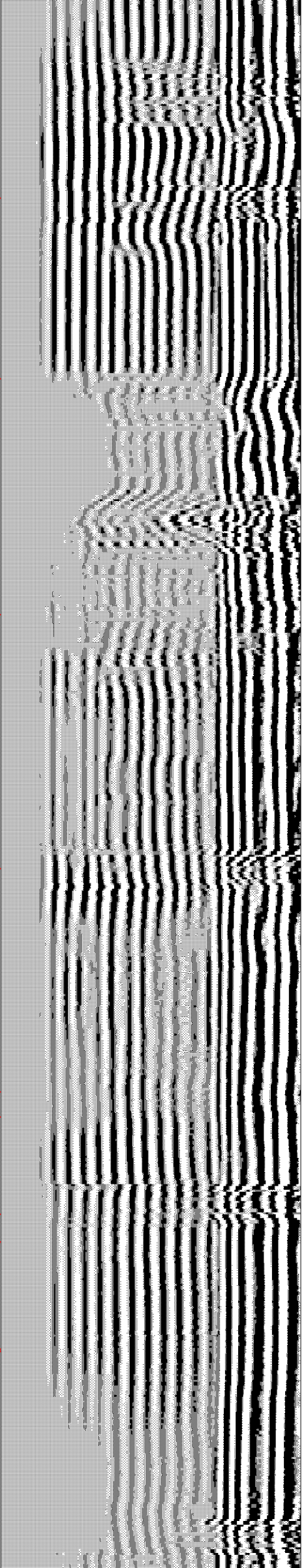
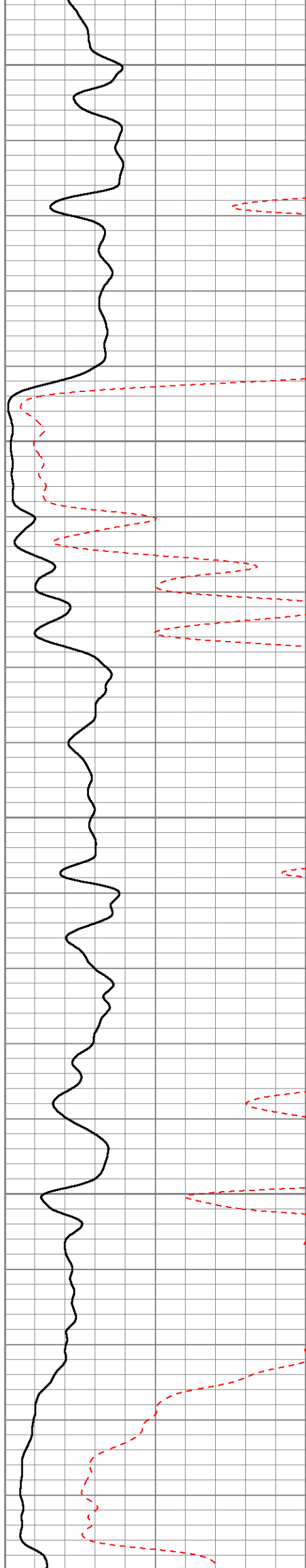
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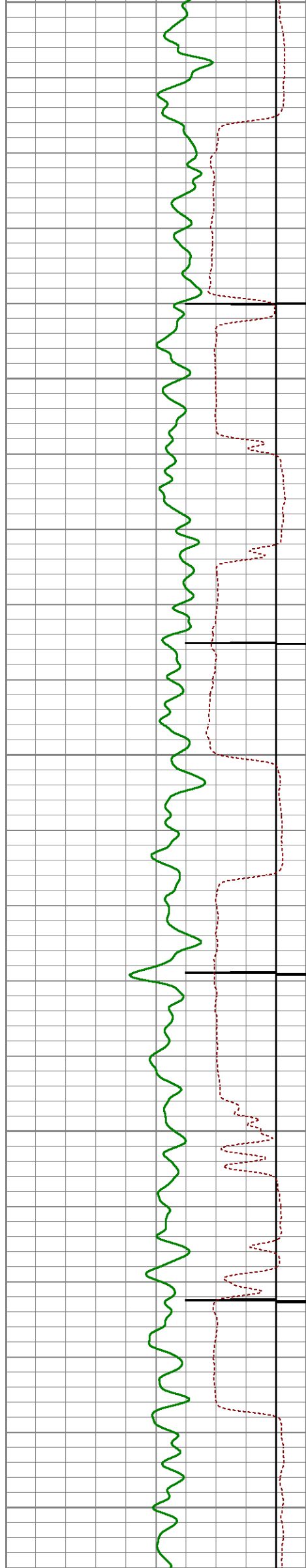
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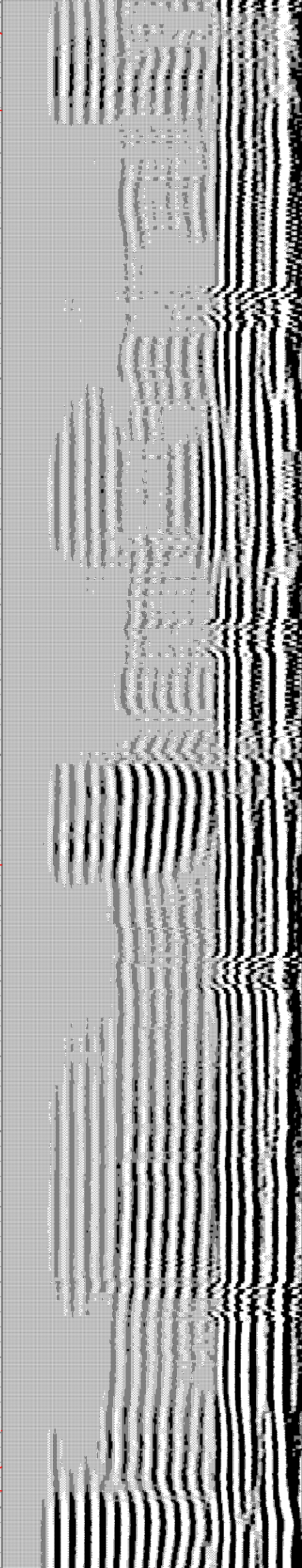
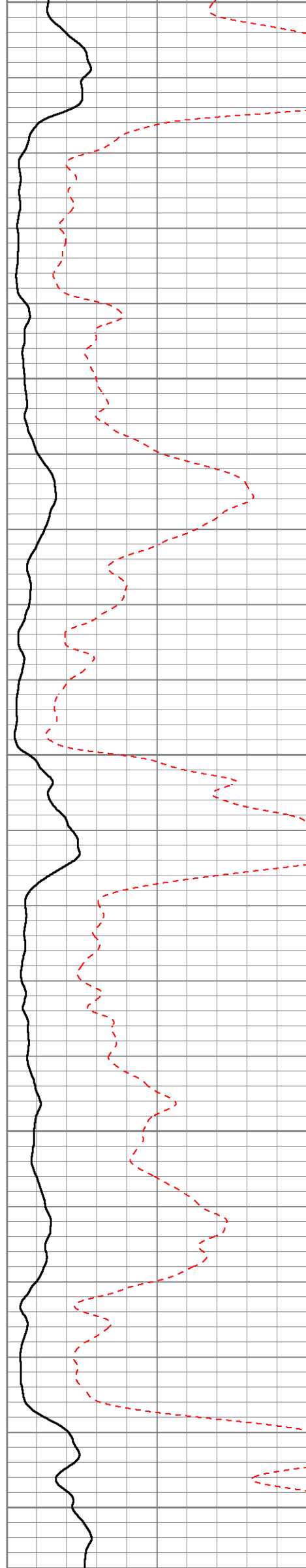
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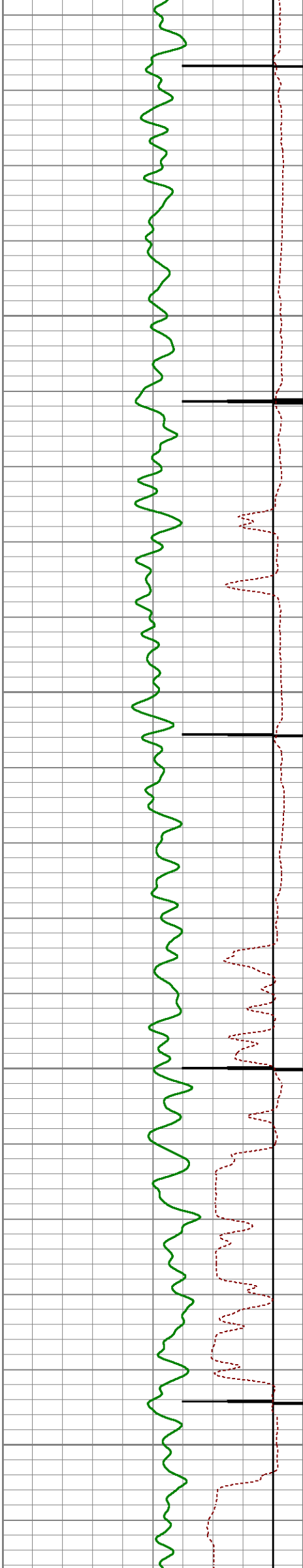
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2300
2350
2400
2450
2500



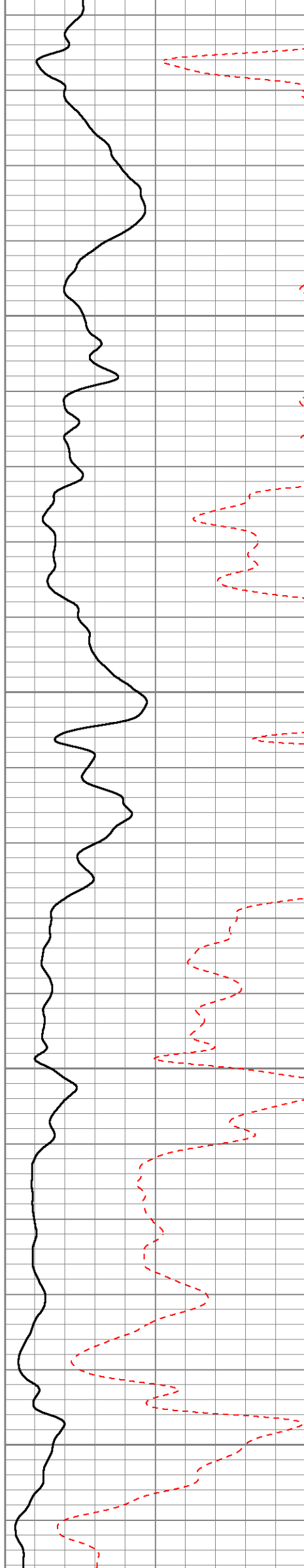


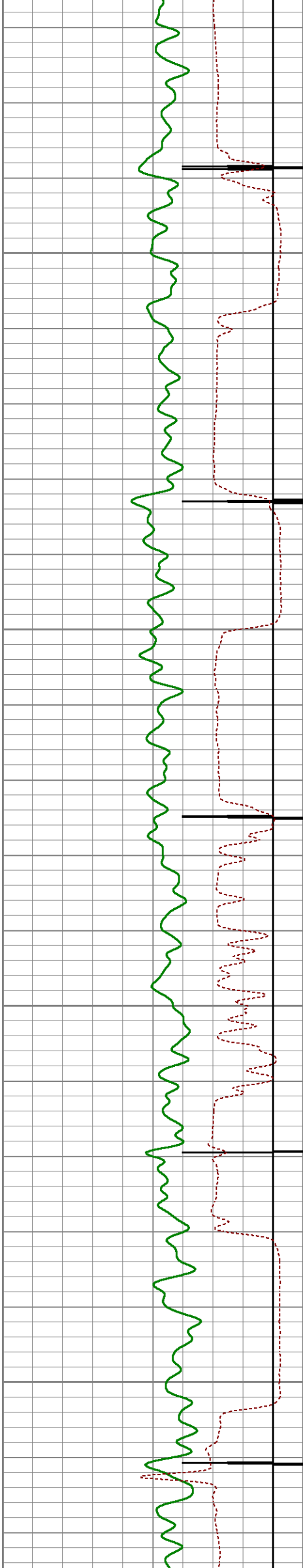
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2700



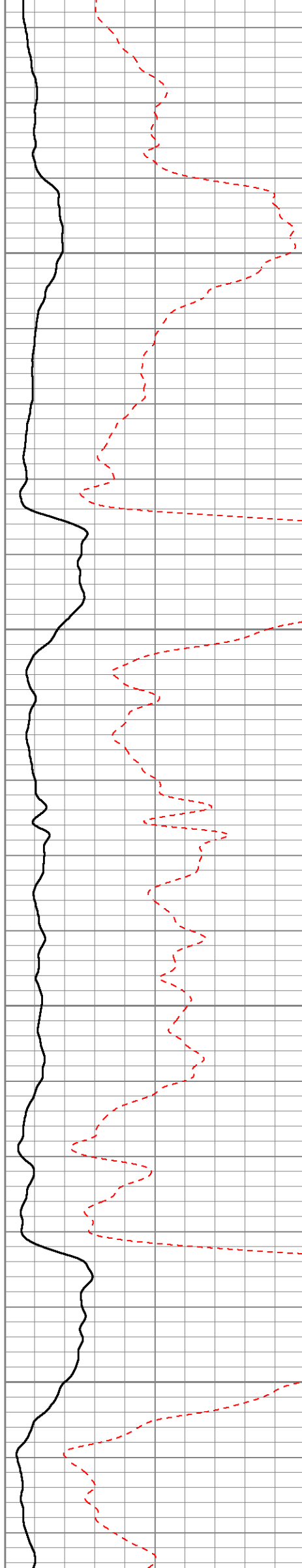


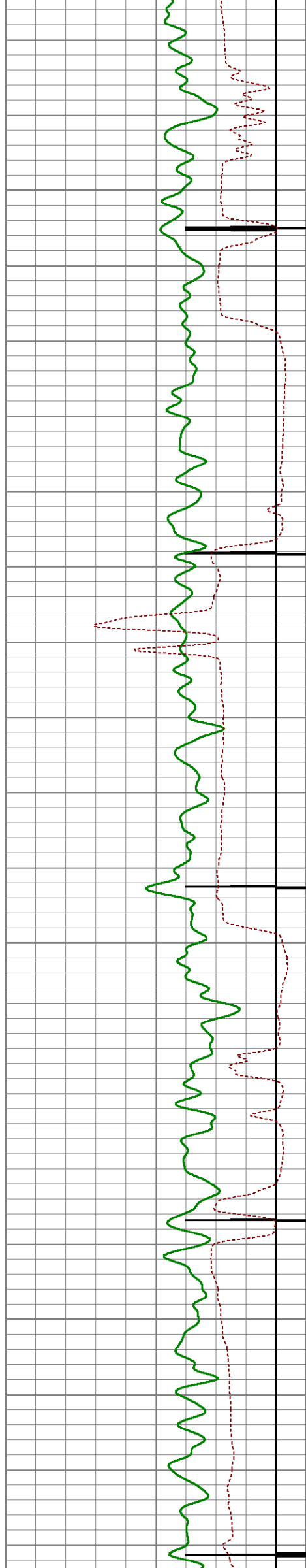
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2850

2900



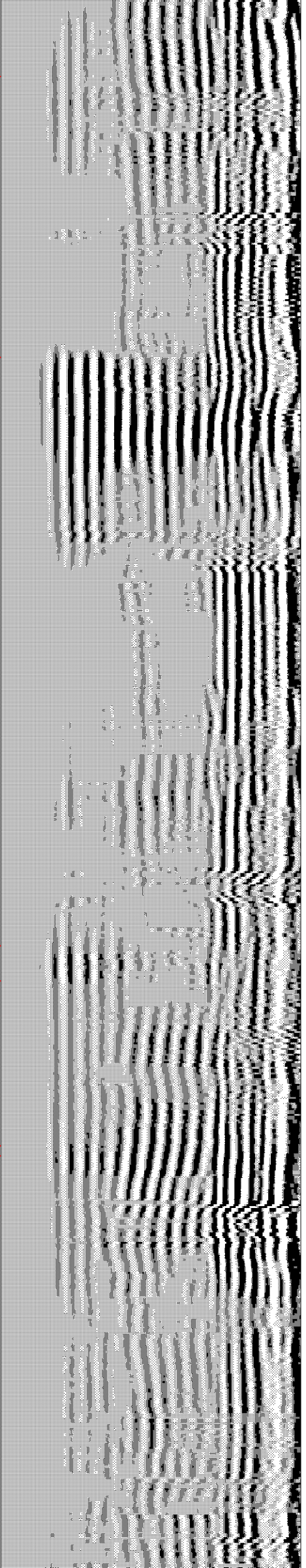
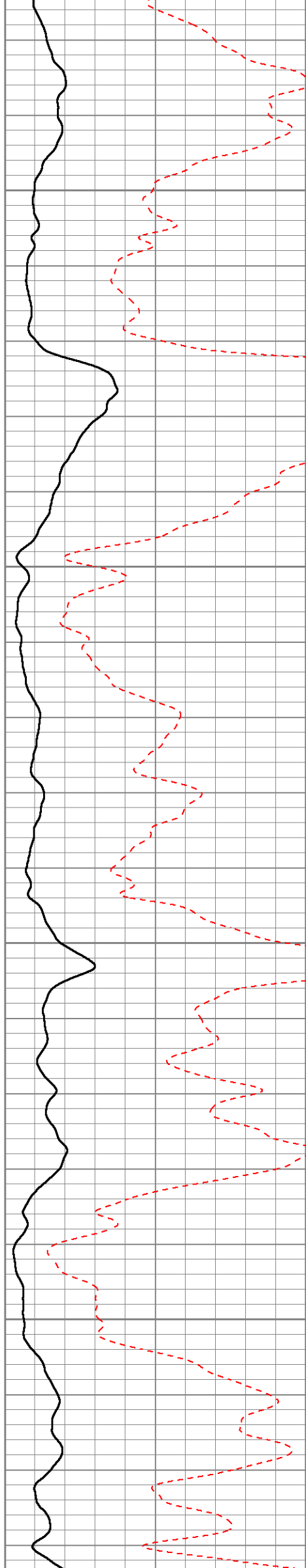


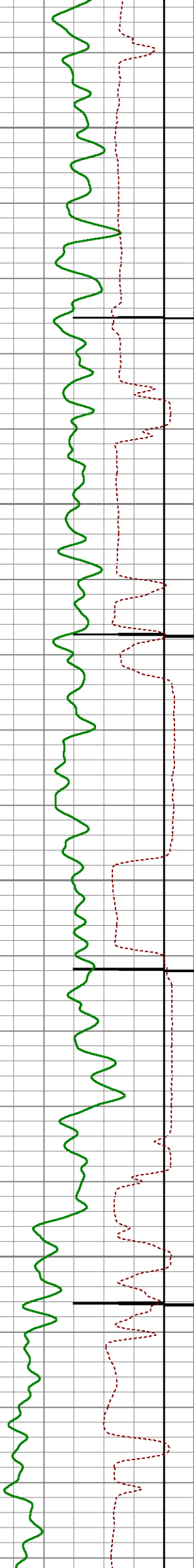
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3000

3050

3100



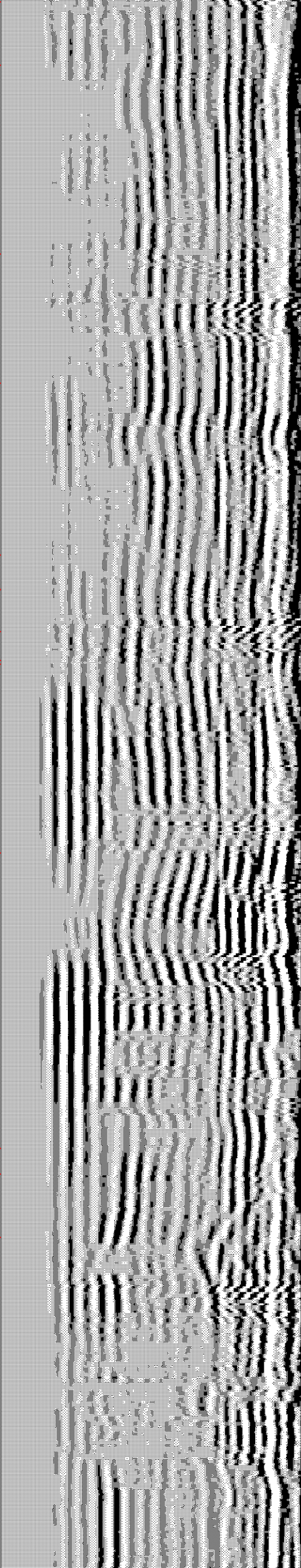


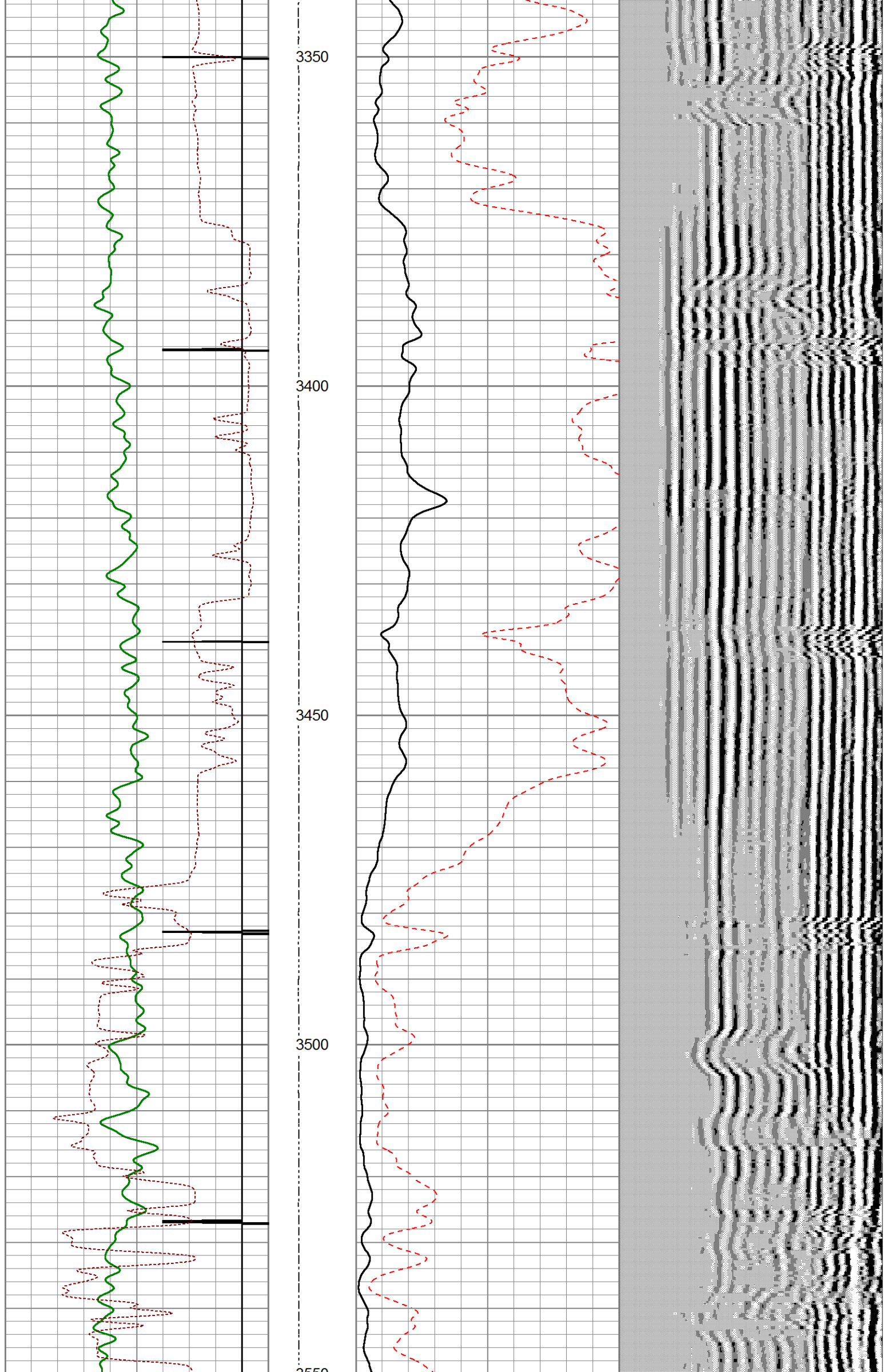
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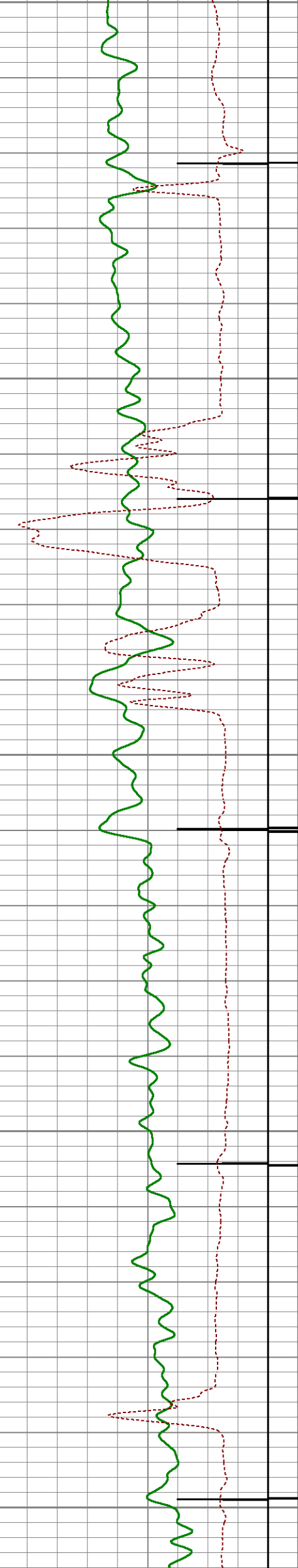
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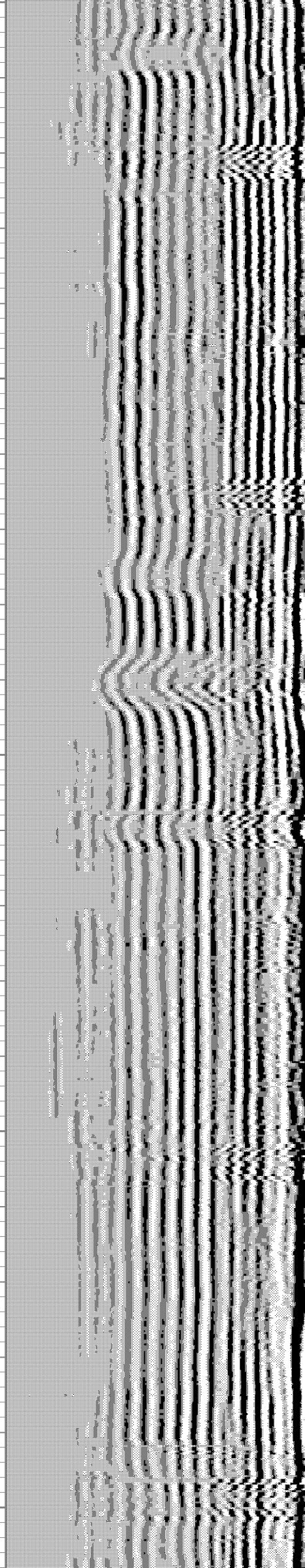
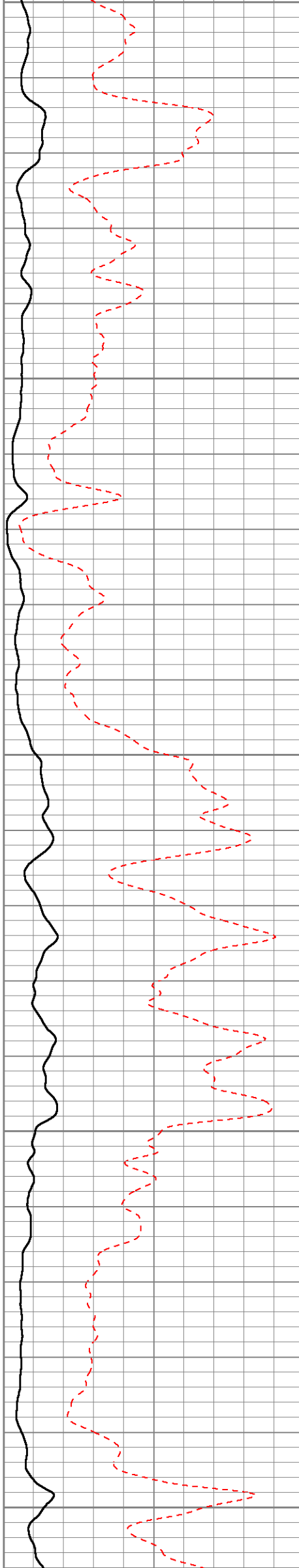
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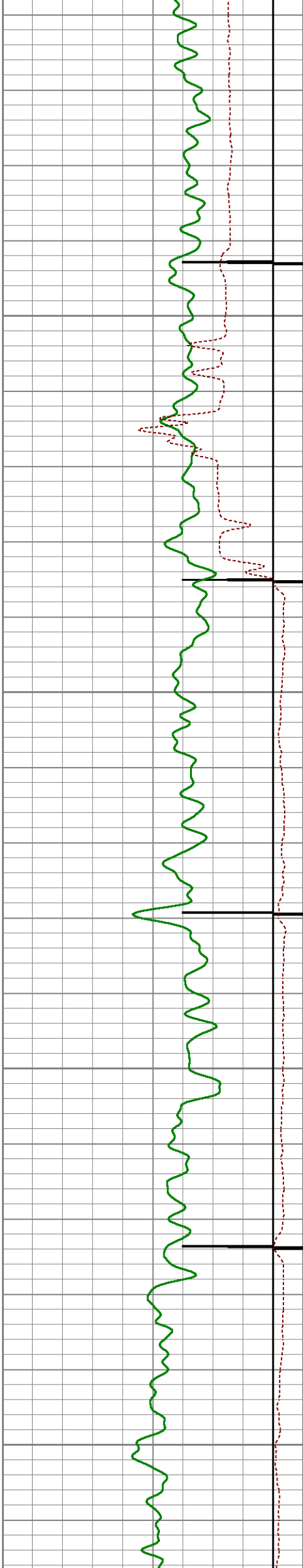






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3600
3650
3700
3750



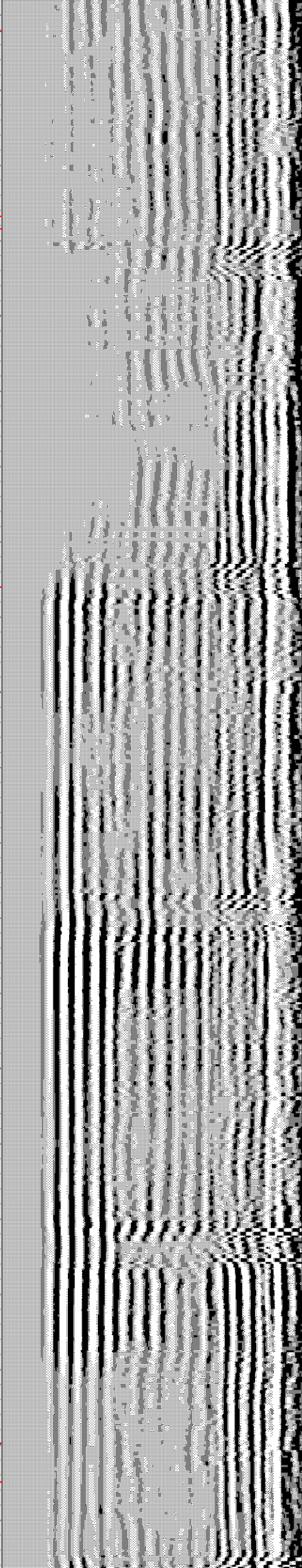
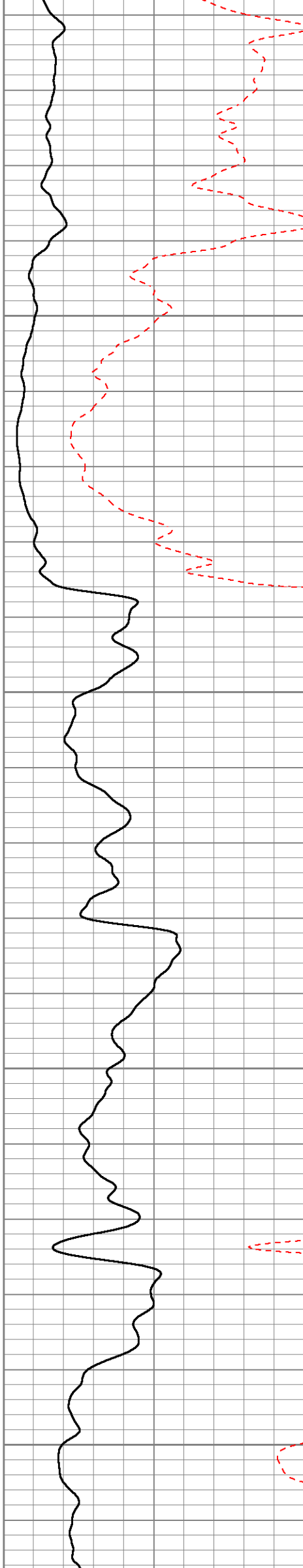


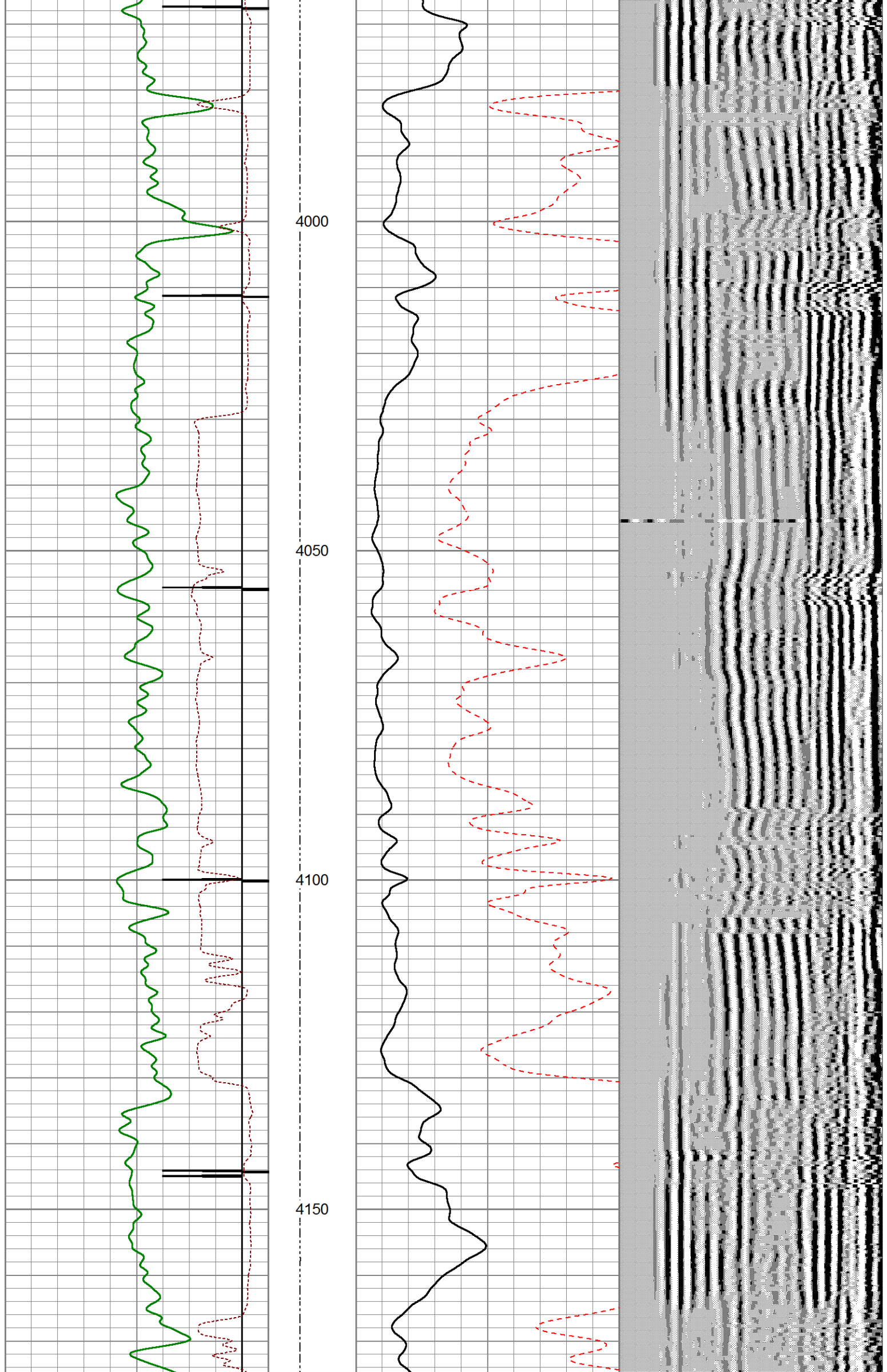
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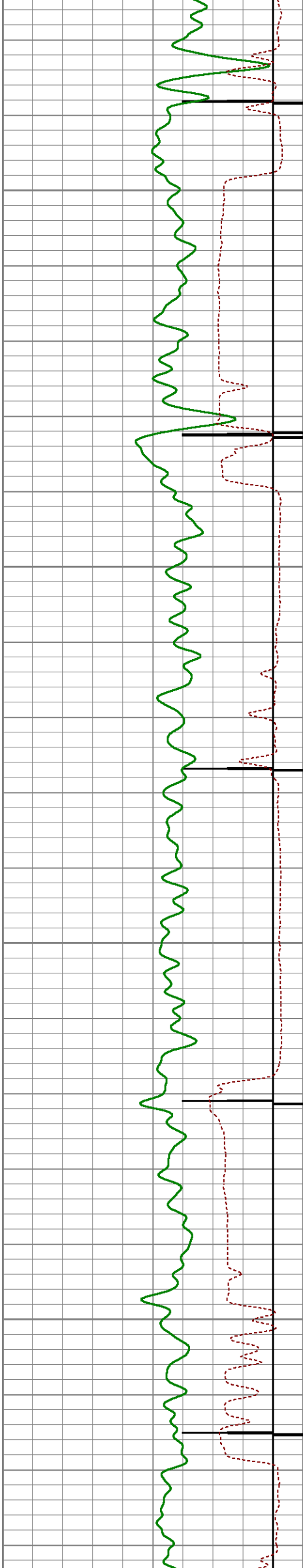
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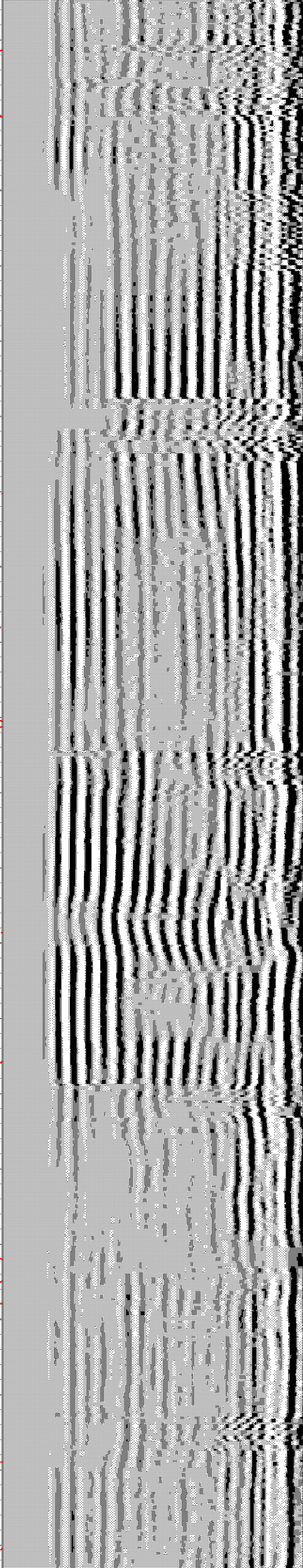
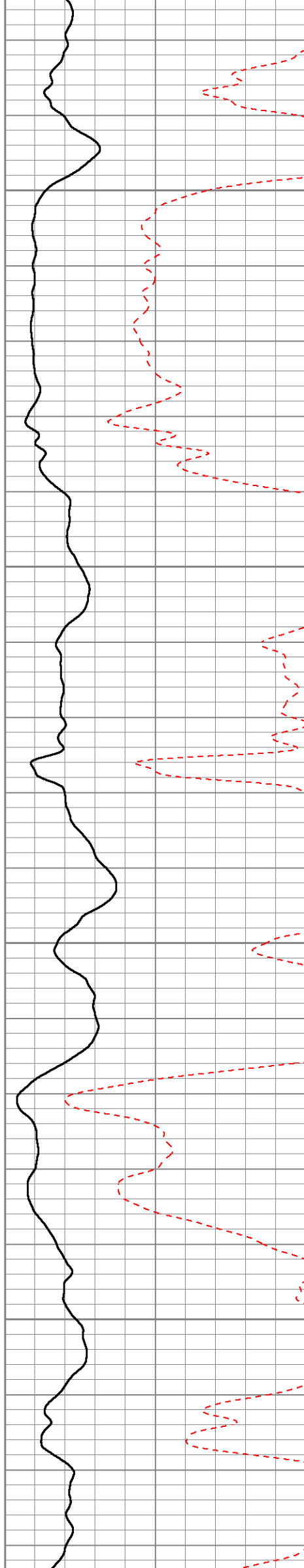


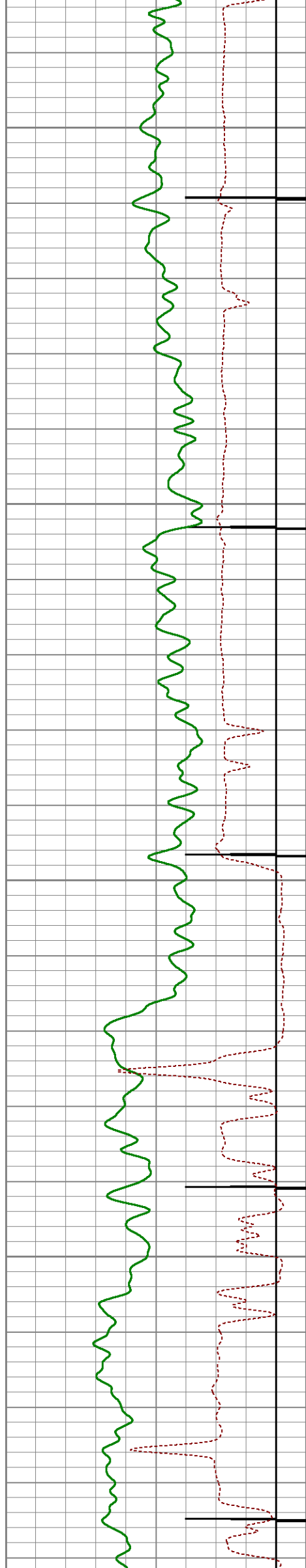
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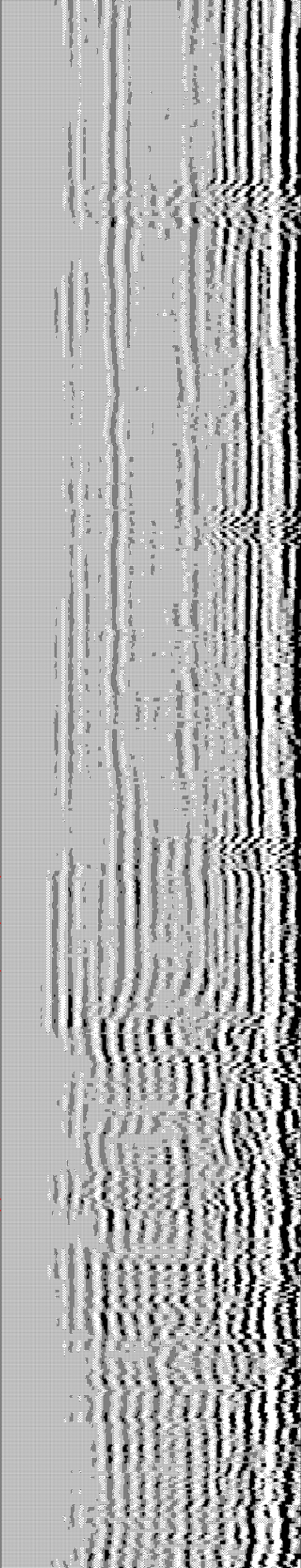
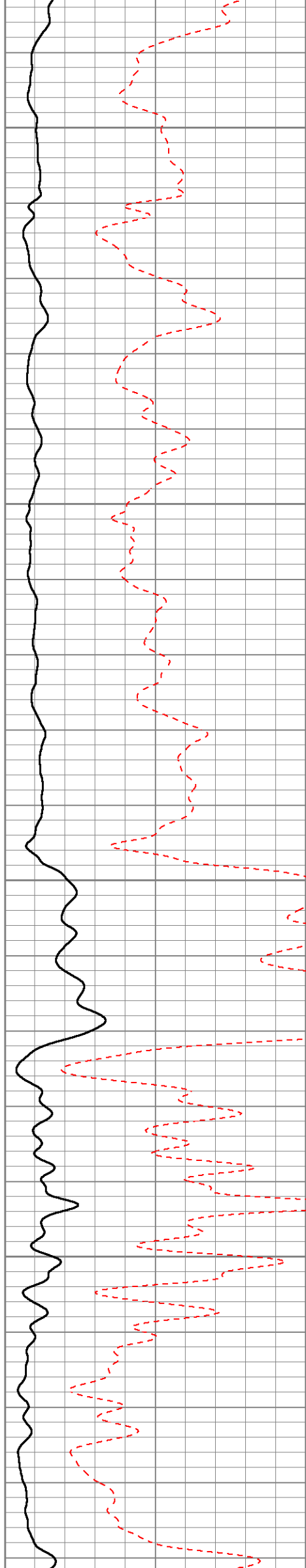


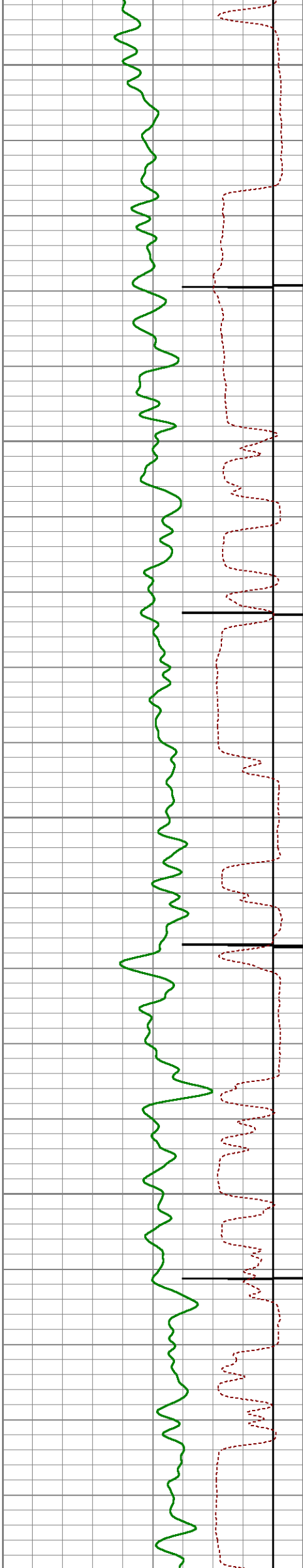
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4550





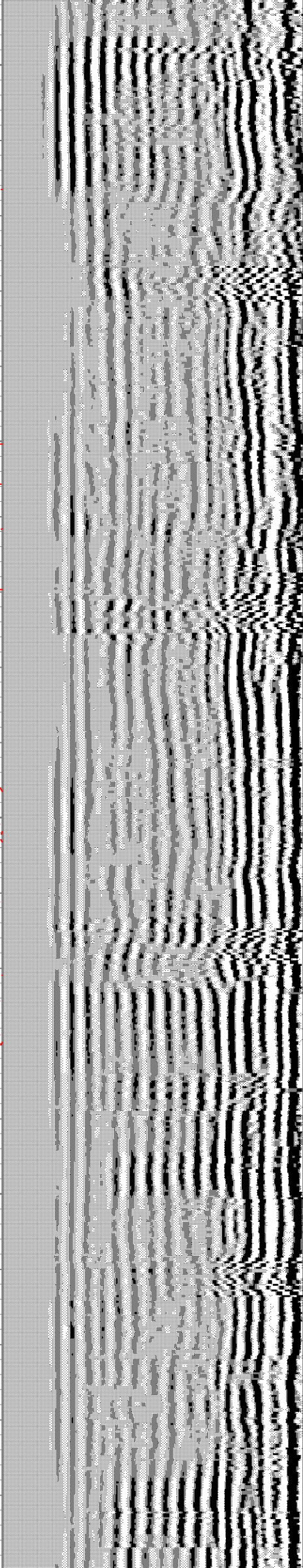
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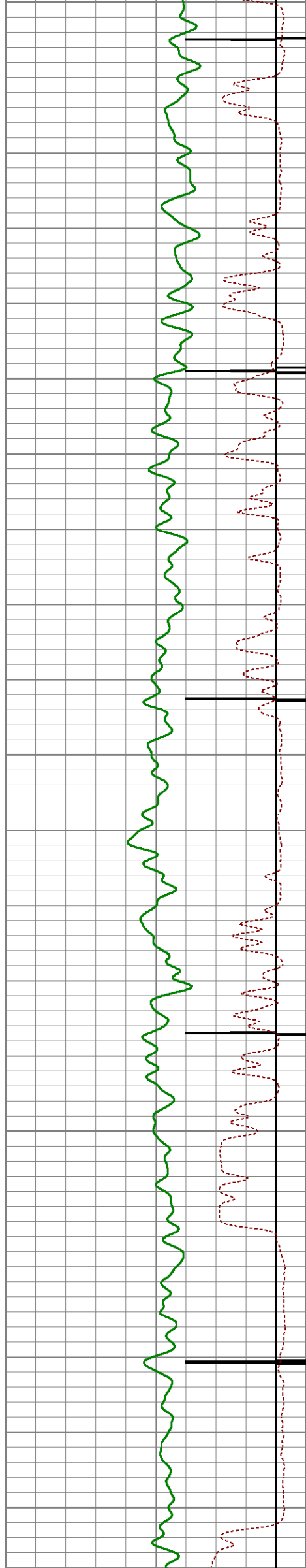
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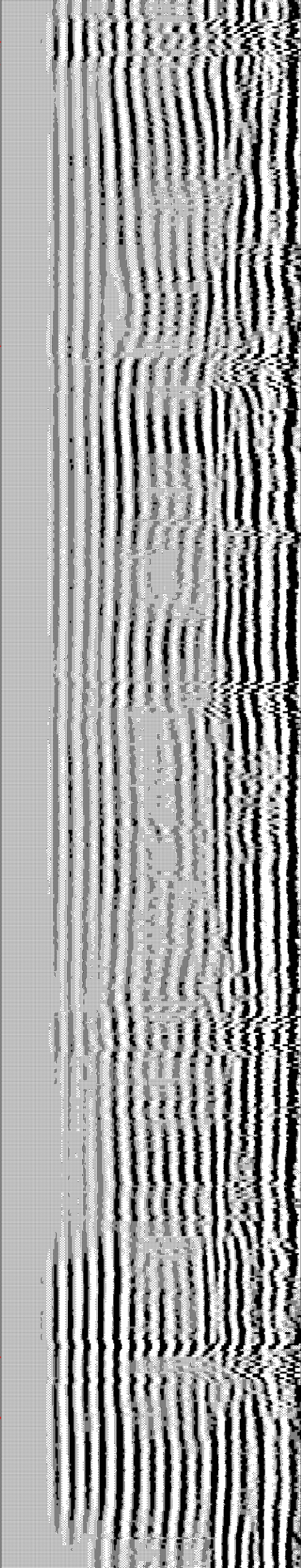
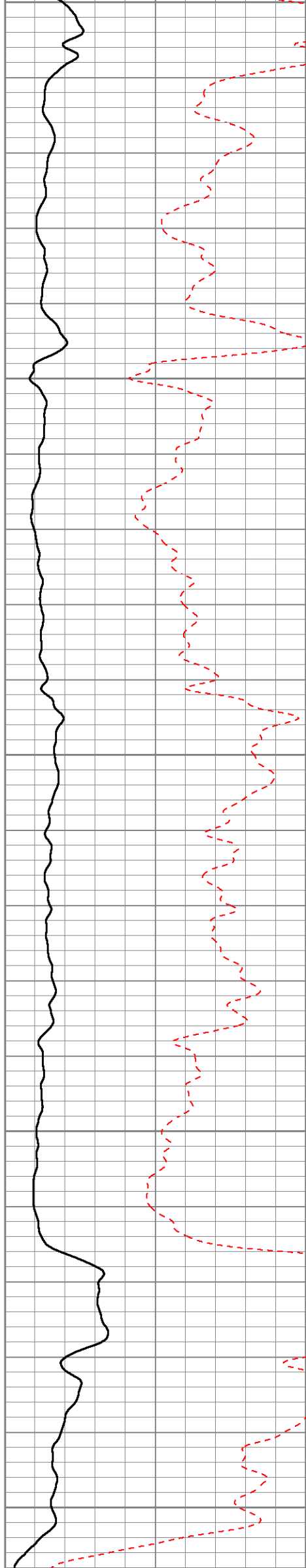
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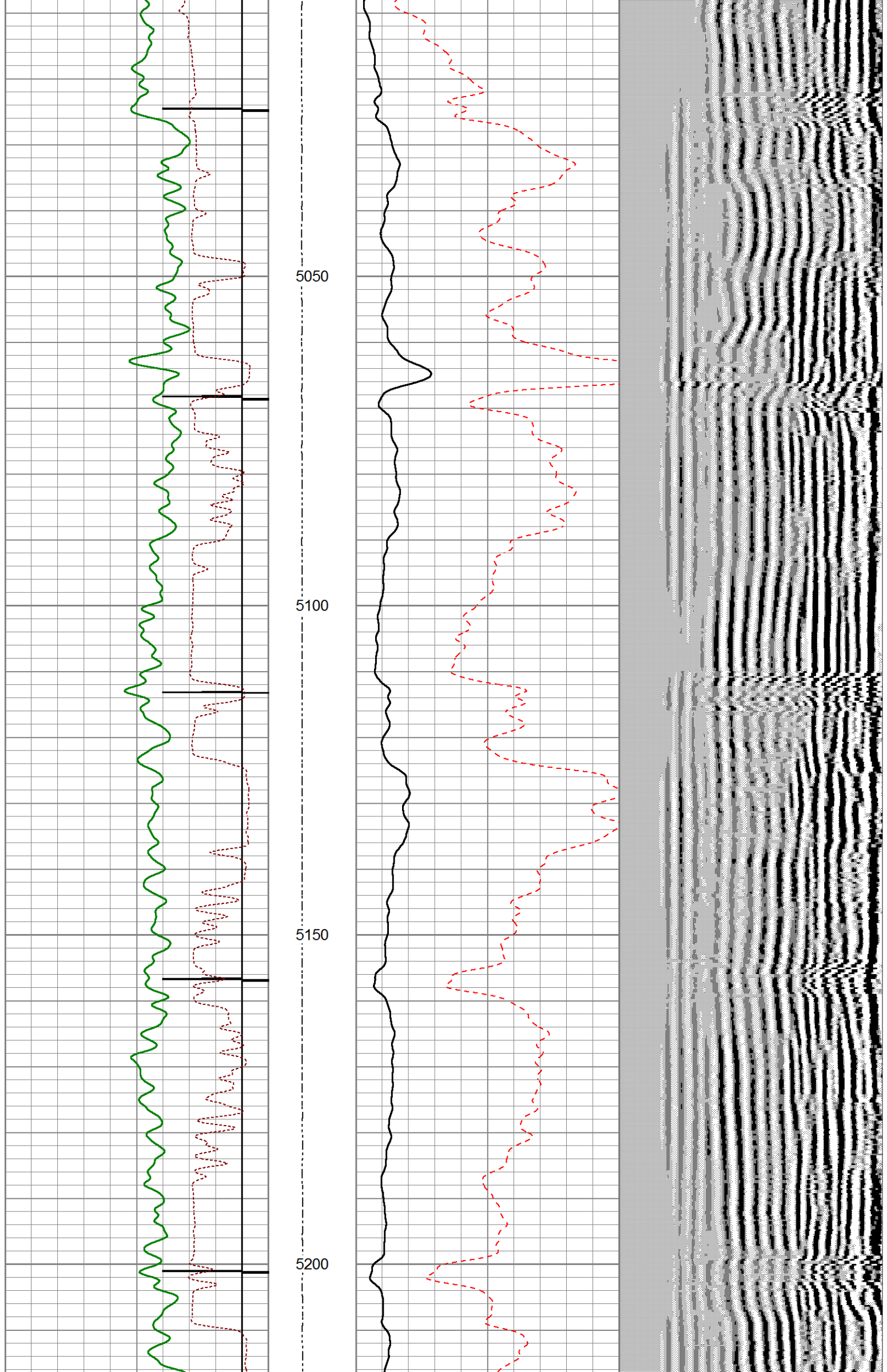
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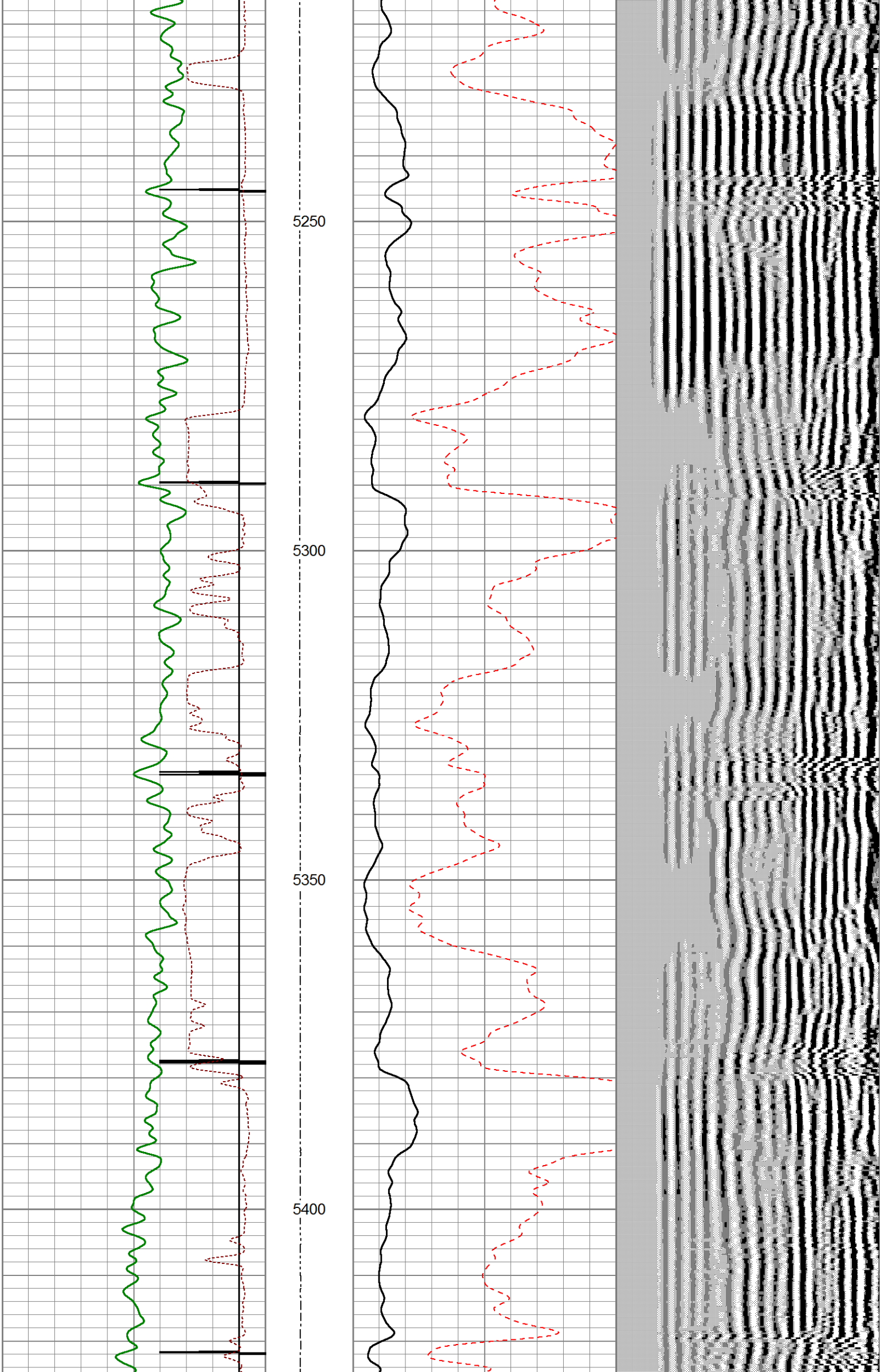


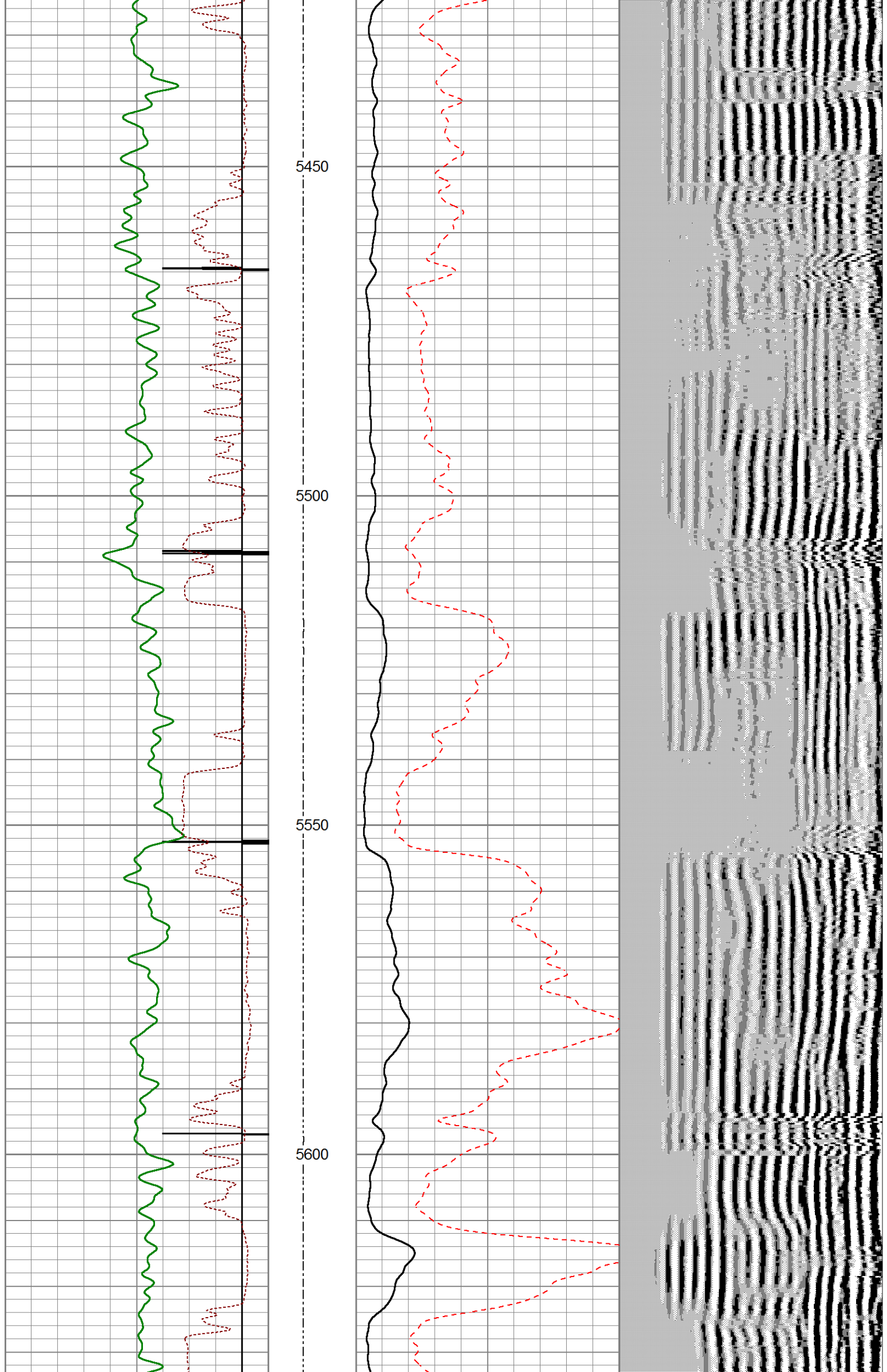


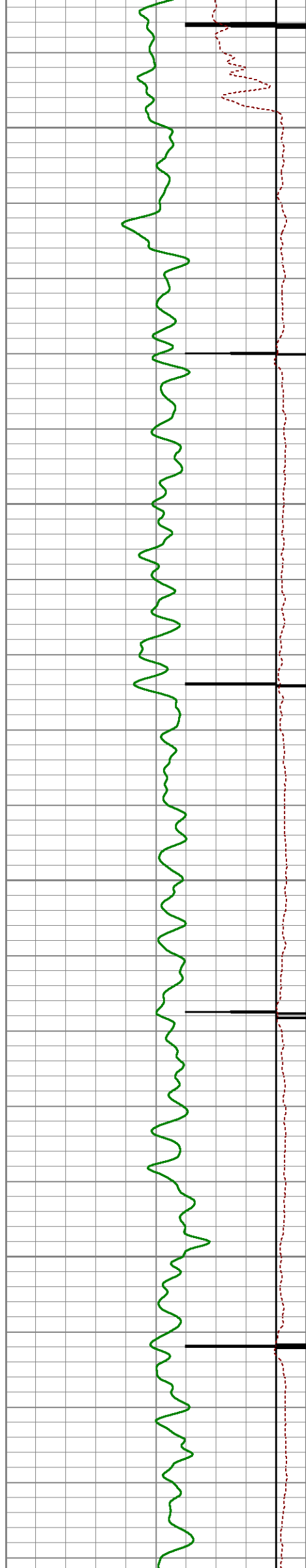
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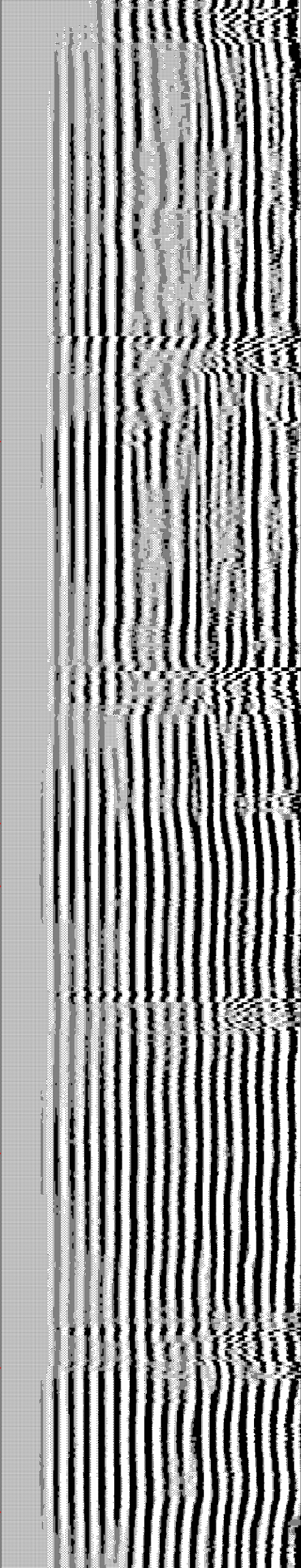
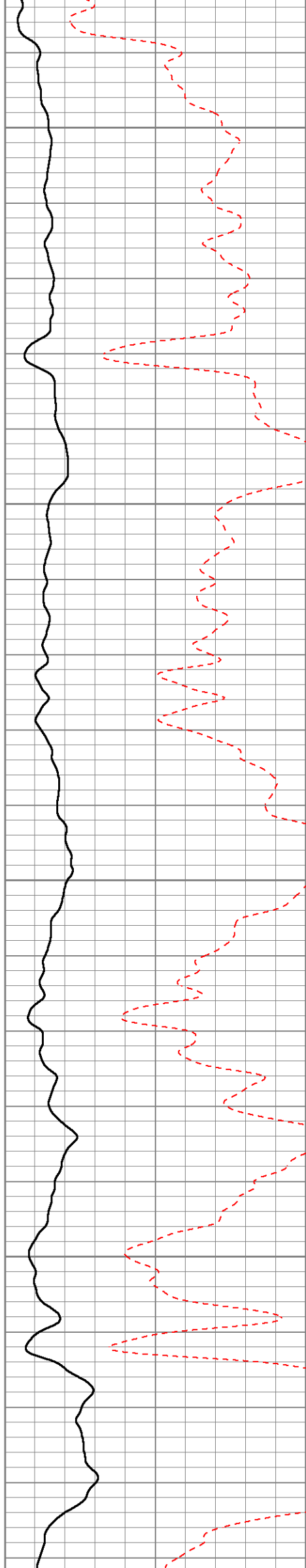


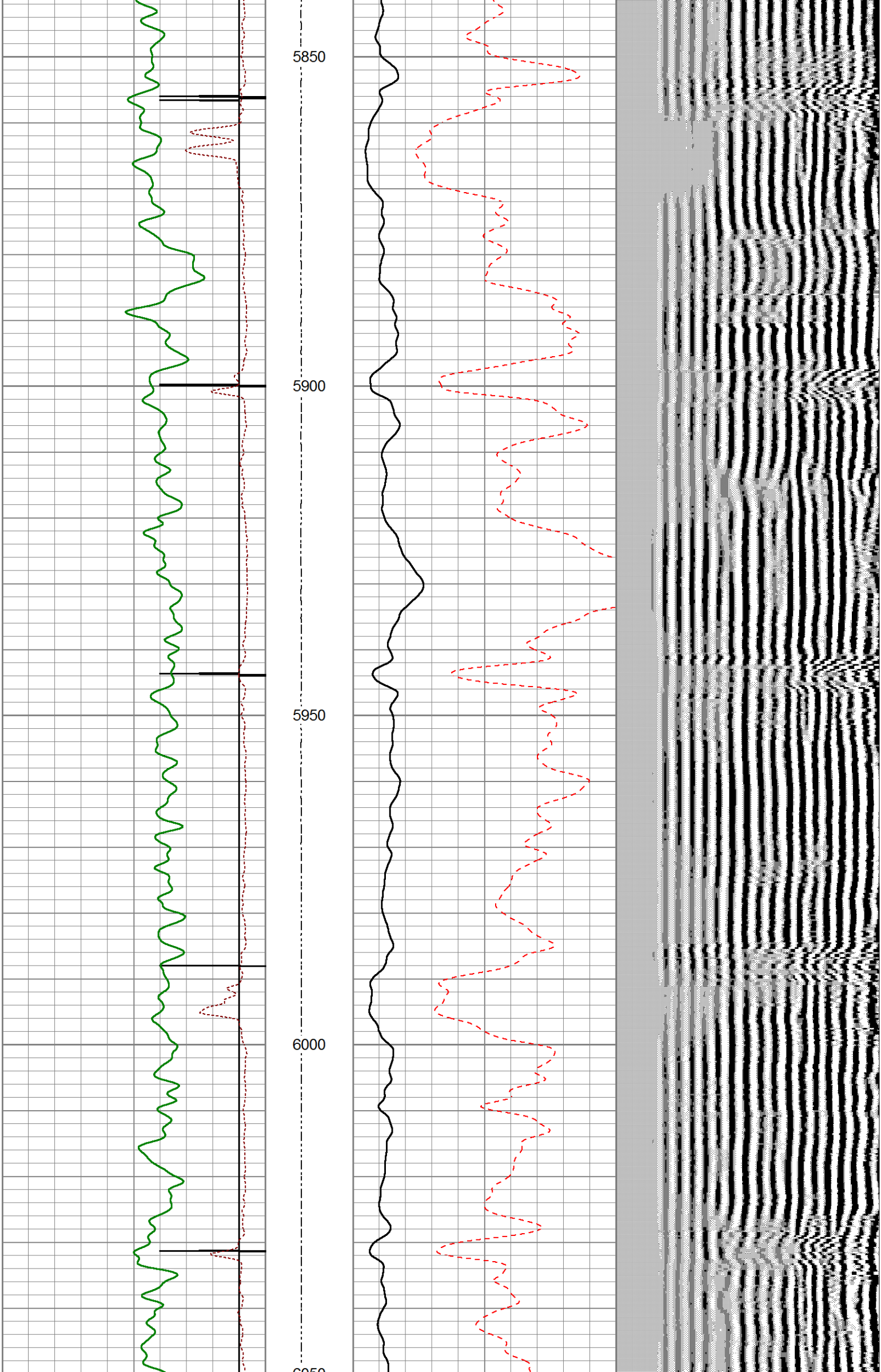


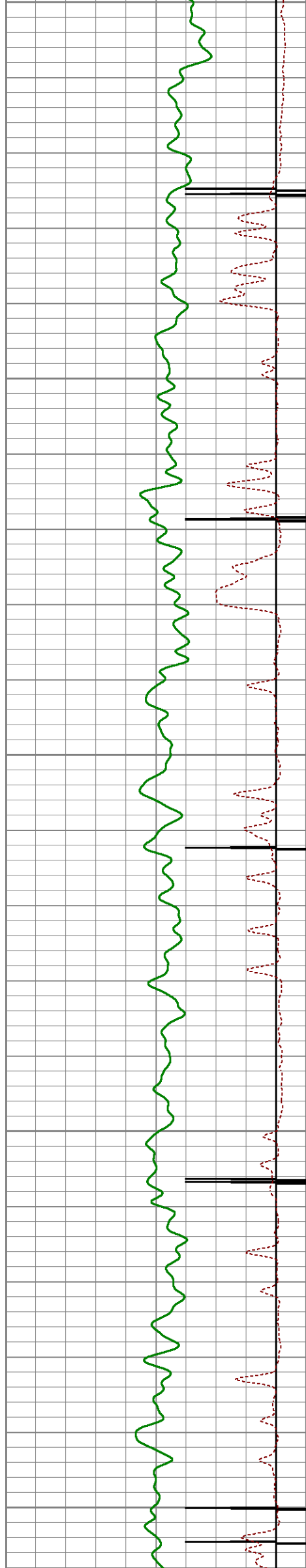




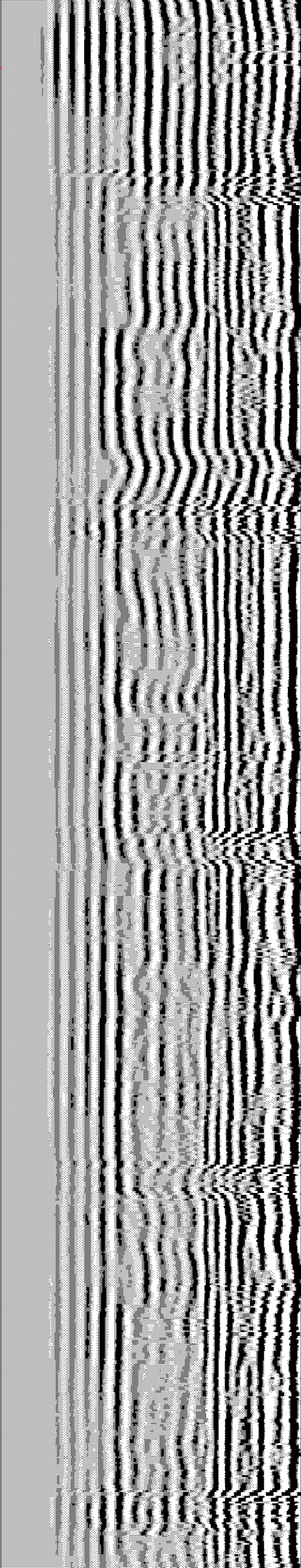
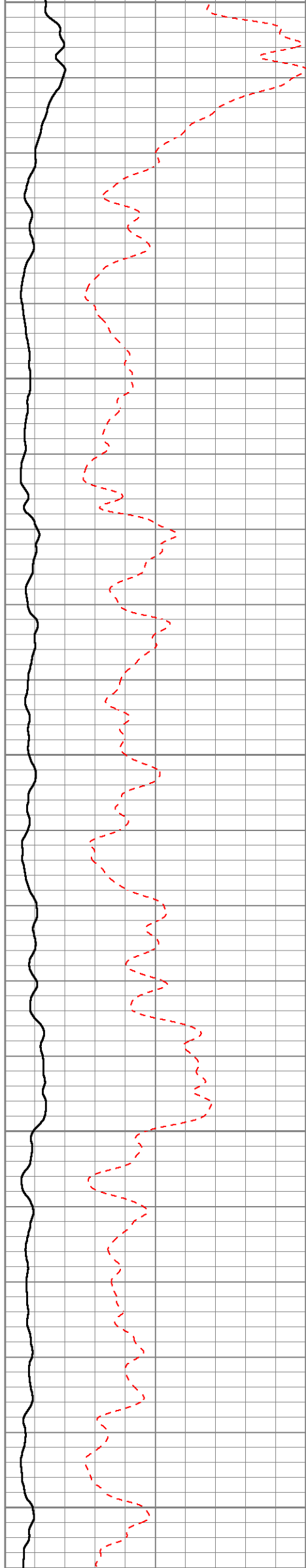
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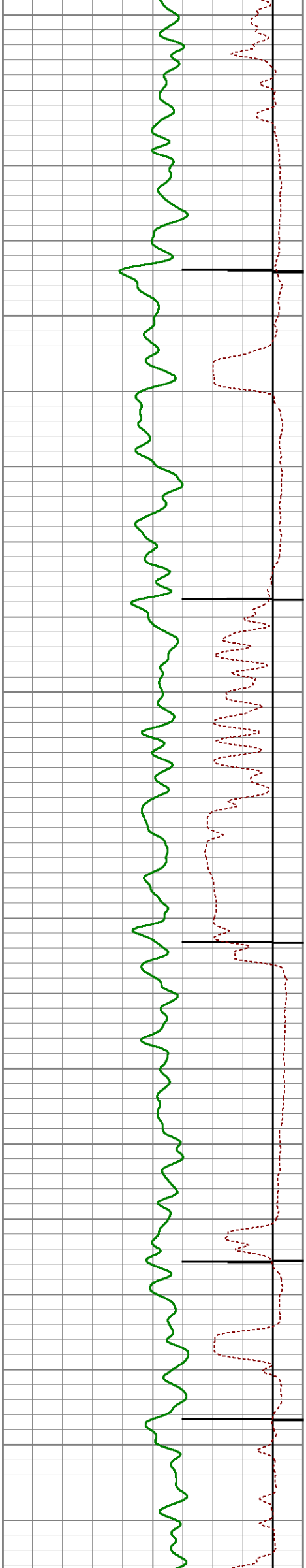






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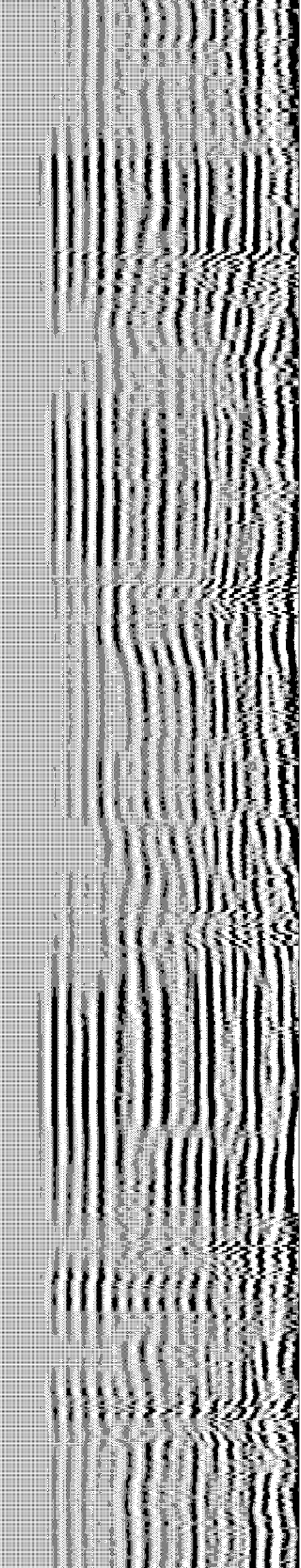
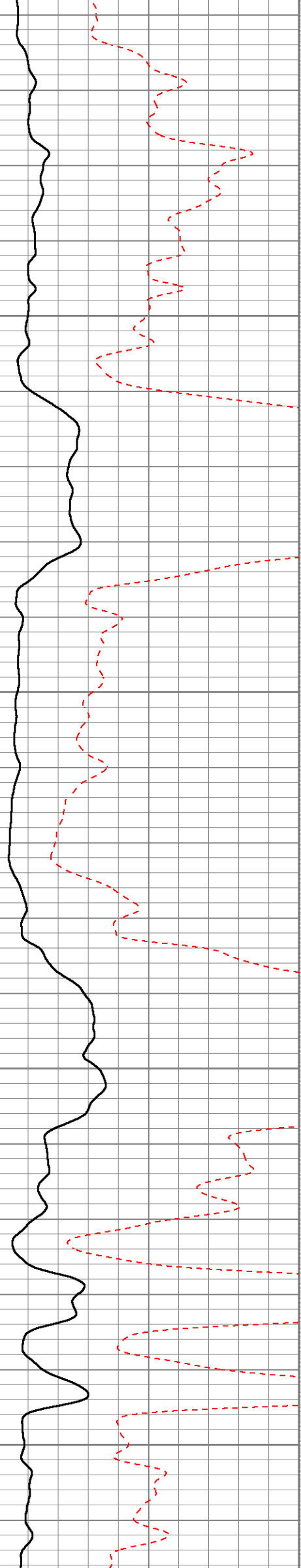


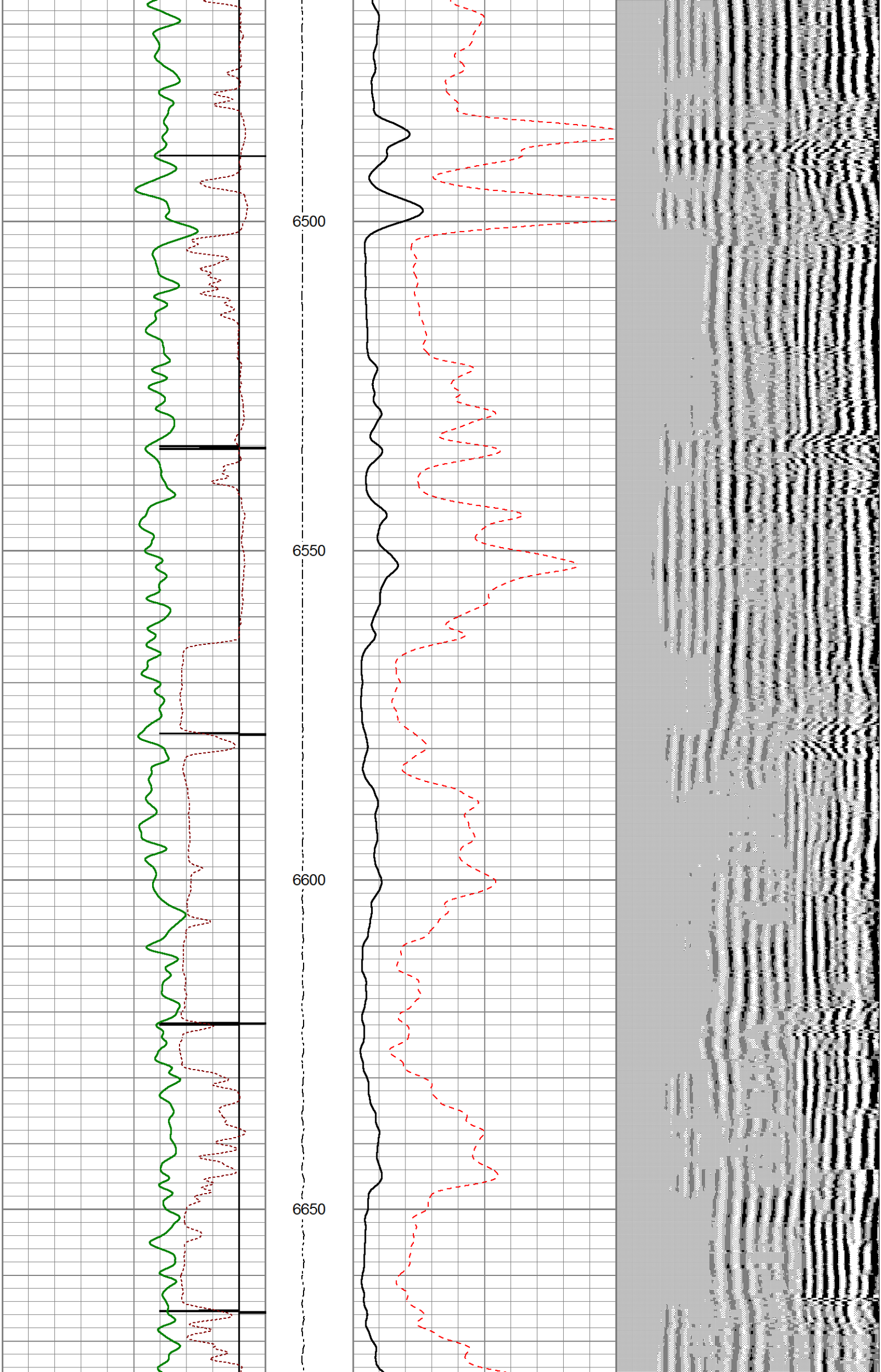
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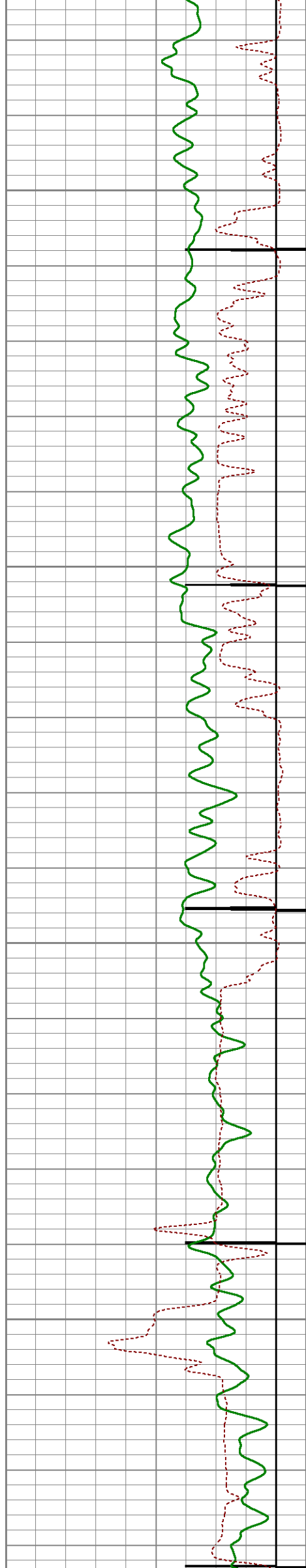
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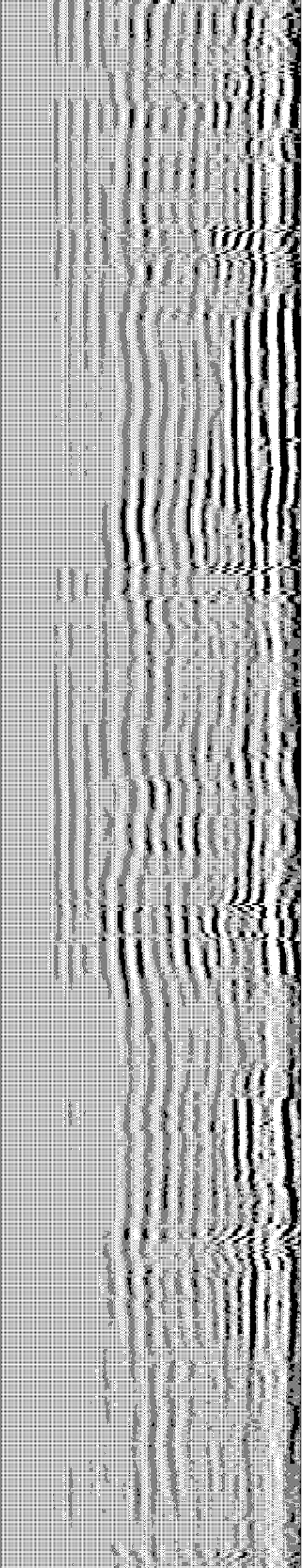
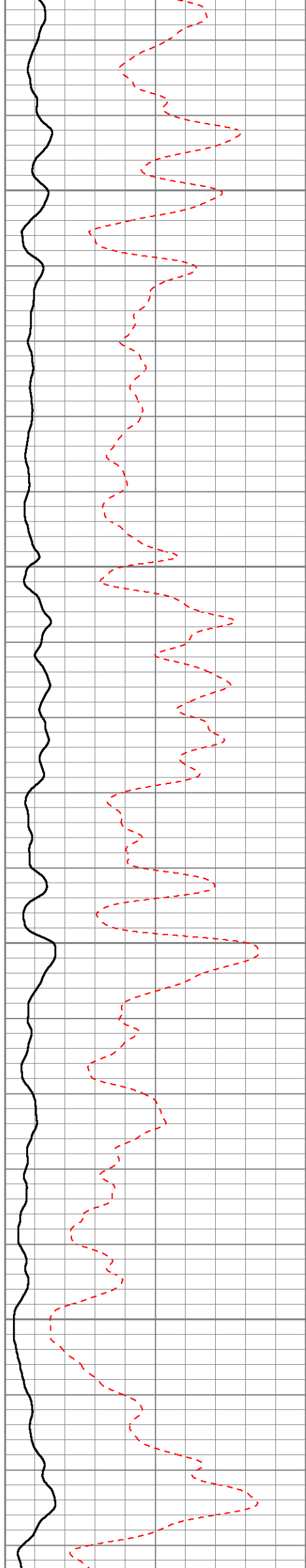


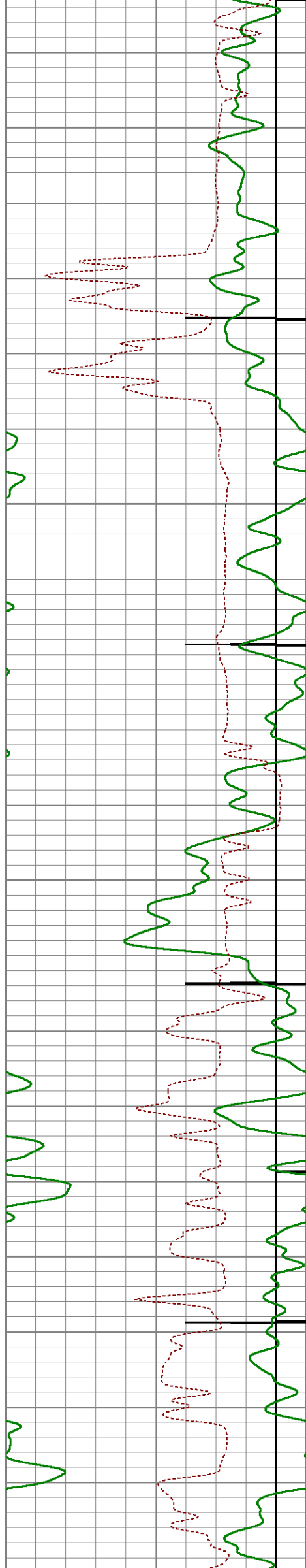
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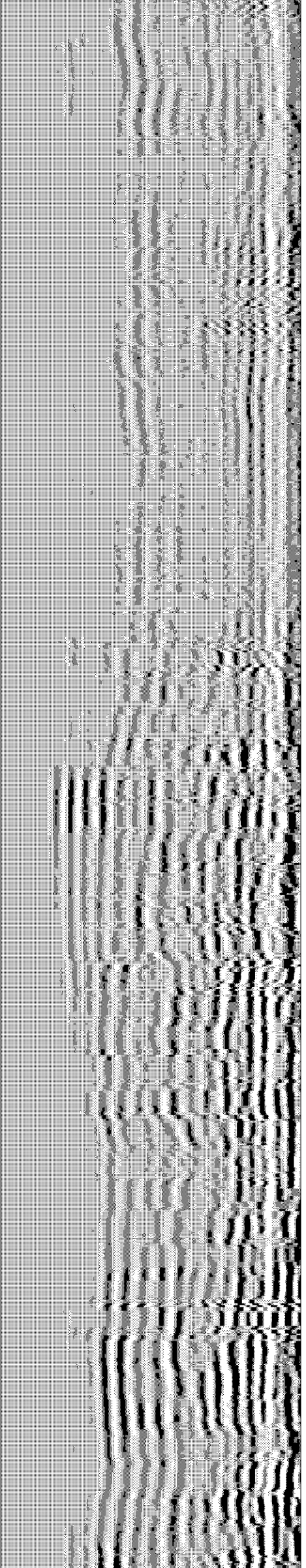
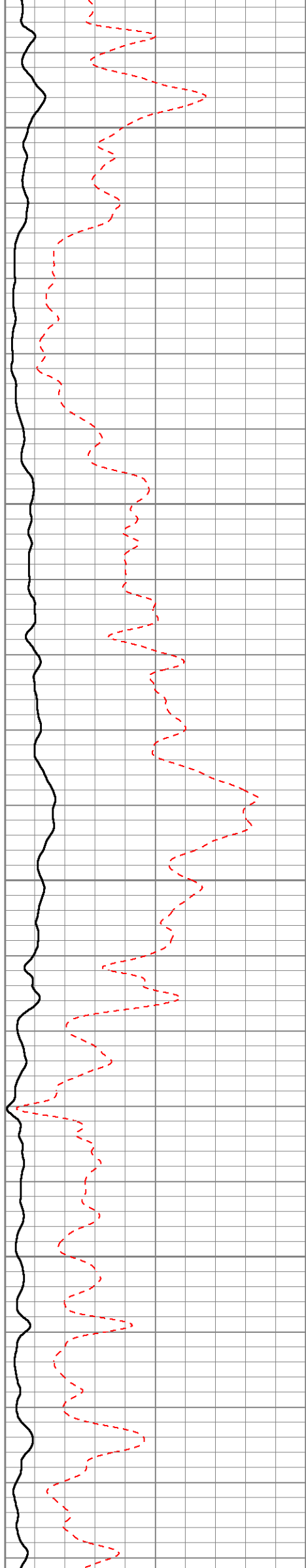


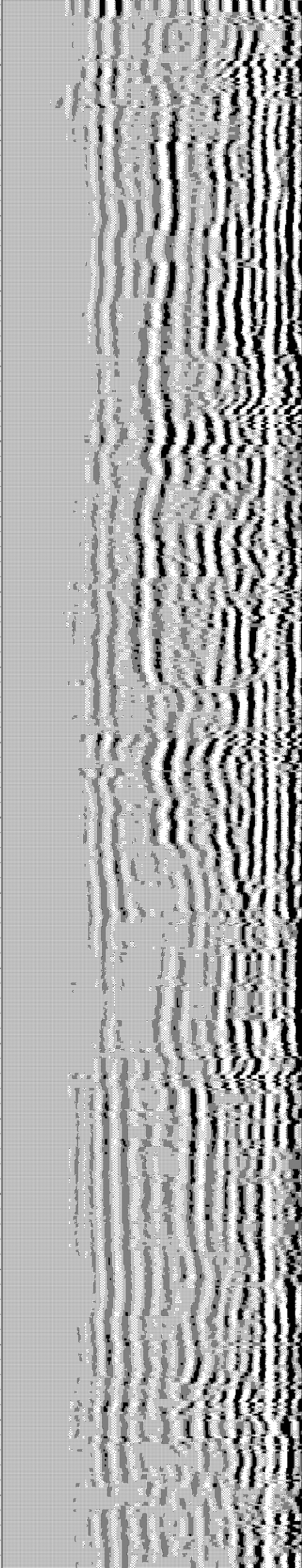
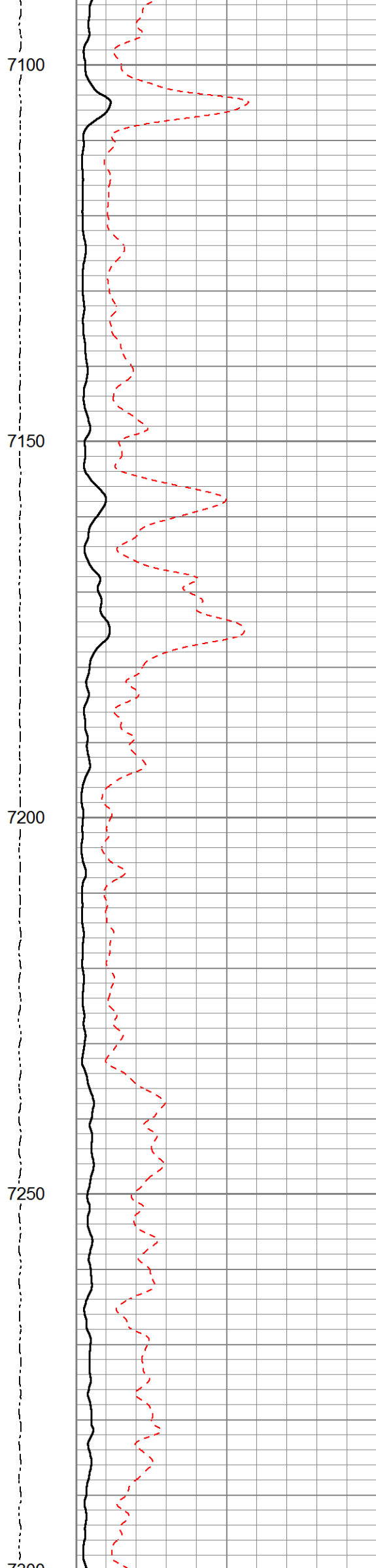
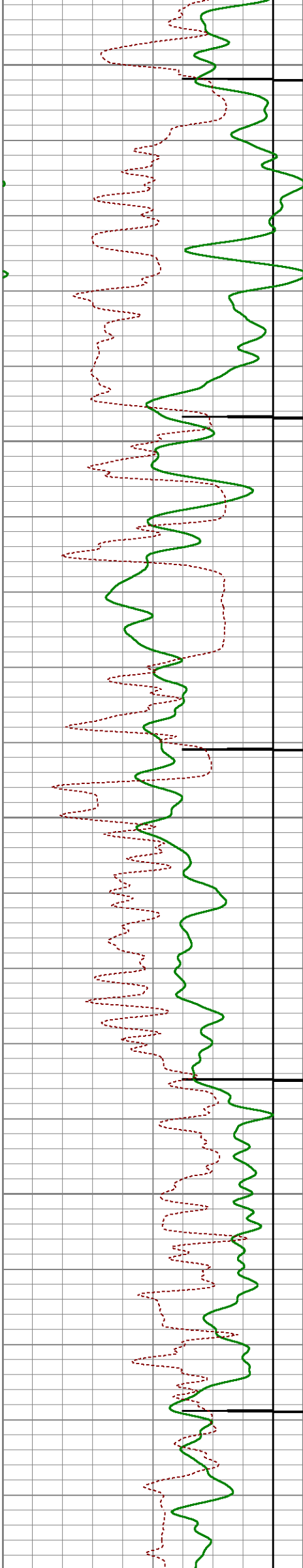
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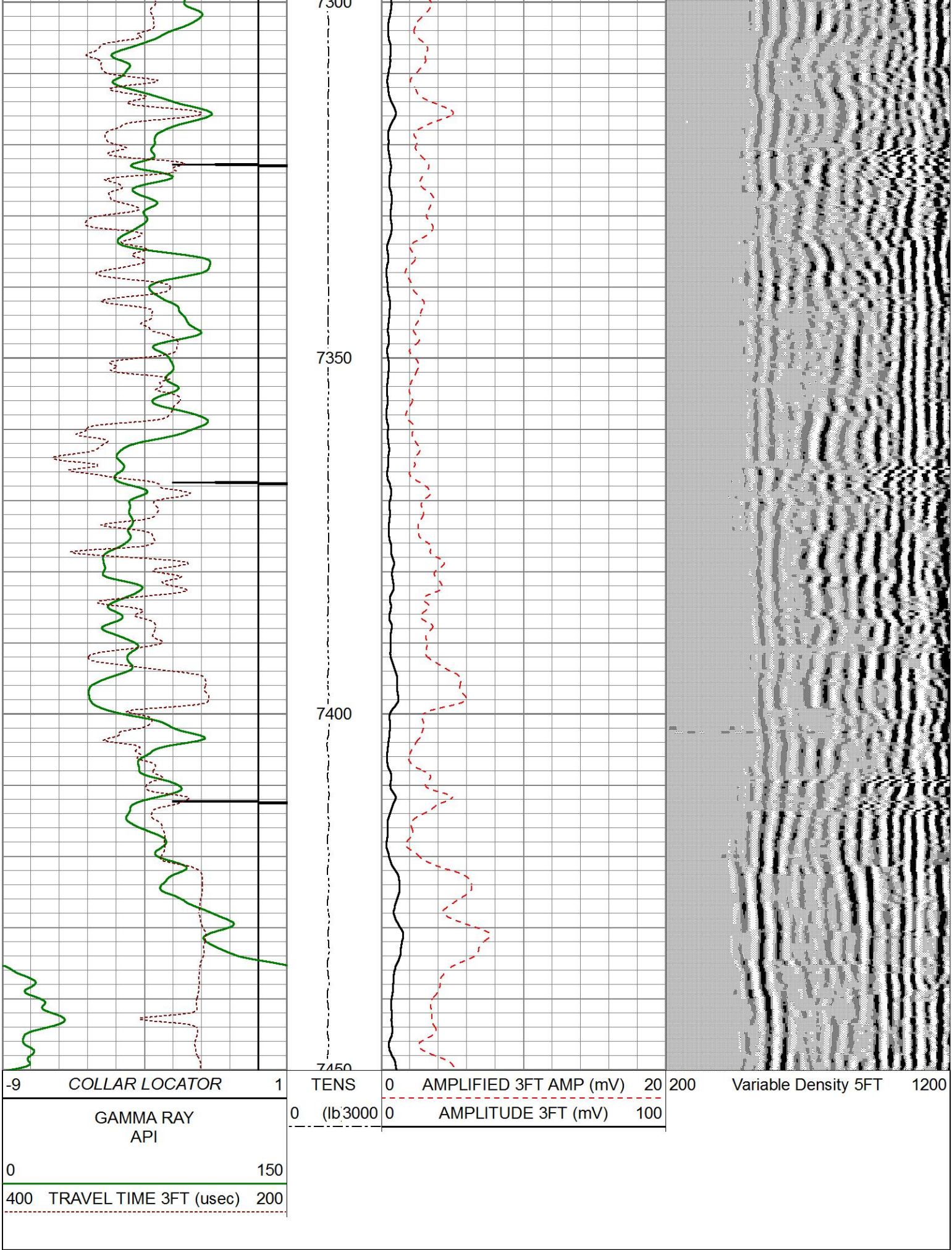
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7000

7050







Weatherford®

MAIN PASS

CEMENT BOND LOG



Weatherford®

REPEAT PASS

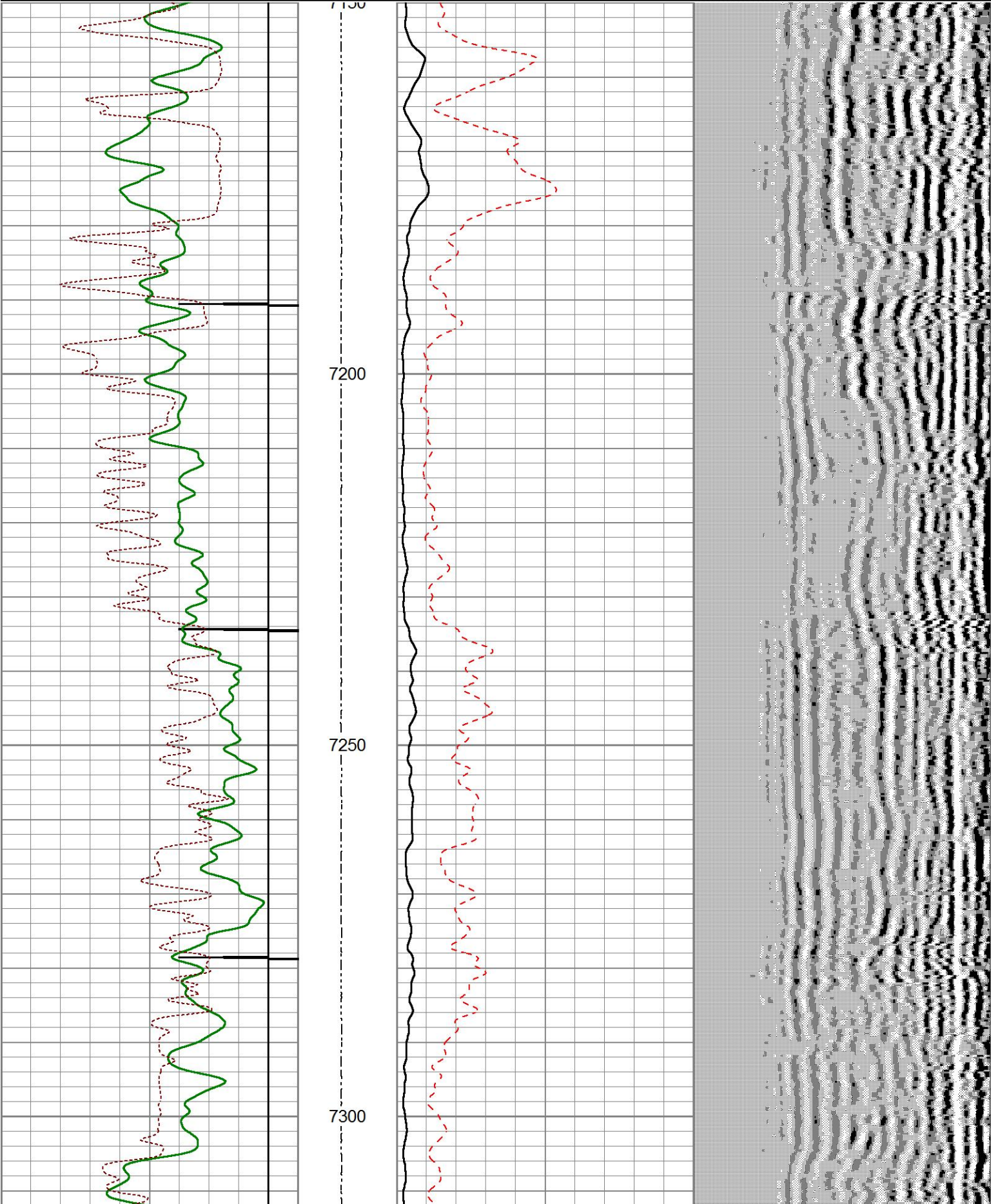
CEMENT BOND LOG

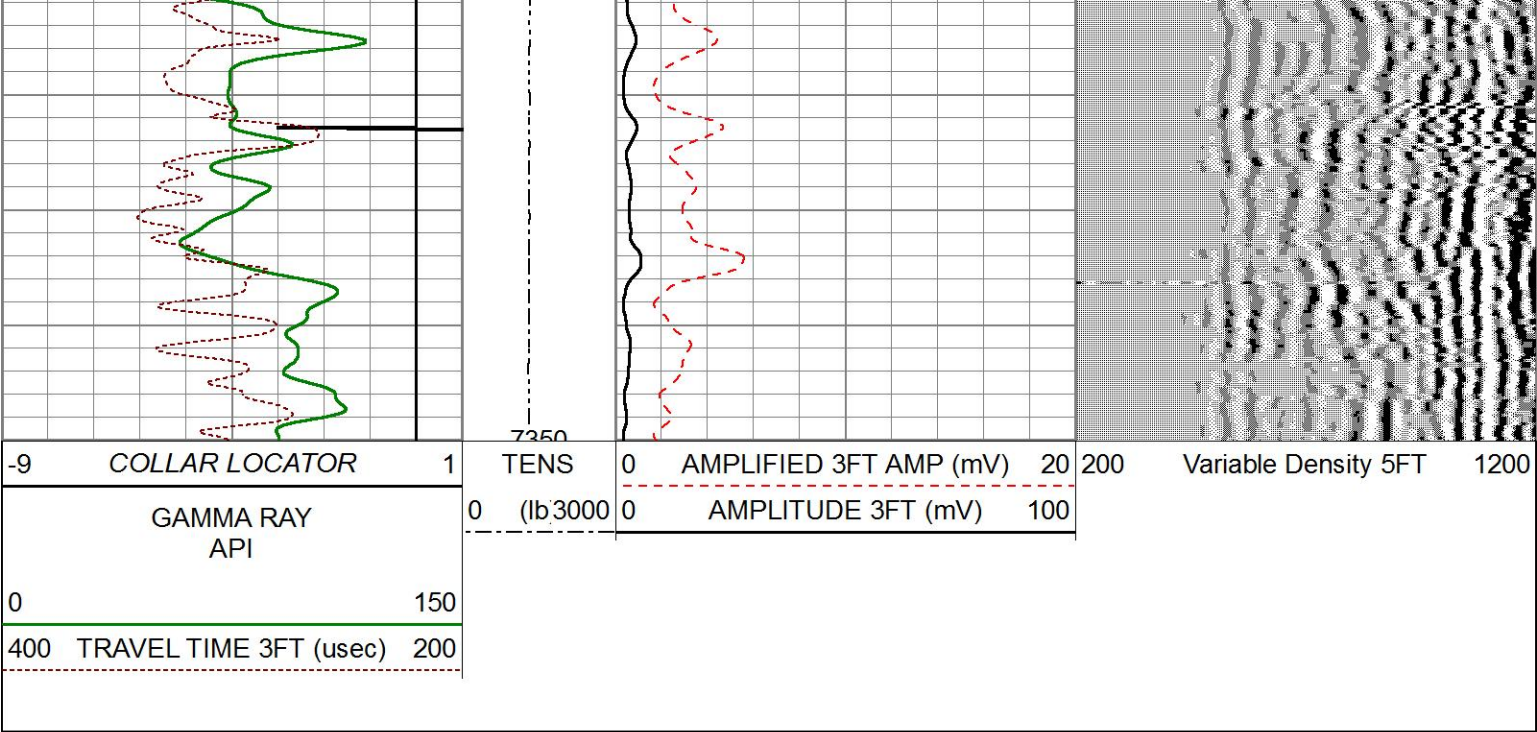
Weatherford

CEMENT BOND LOG

Database File	extraction_oil&gas_westwind#4.db									
Dataset Pathname	pass4.1									
Presentation Format	gc3ft5ft									
Dataset Creation	Thu Apr 21 20:33:57 2016									
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 API			0 (lb/3000	0	AMPLITUDE 3FT (mV)	100			
0	150								
400	TRAVEL TIME 3FT (usec)	200							

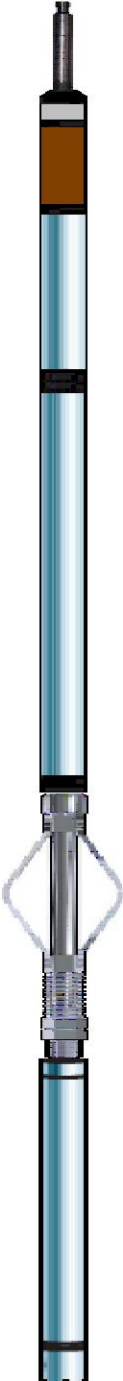




Weatherford®

REPEAT PASS

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

Tool Name	Start Depth (ft)	End Depth (ft)	Length (ft)	Weight (lb)	O.D. (in)
WVFS8	7.65				
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				
SCBT-SCBT2.7H (SCBT2_7H-XXXX) 2 3/4" 350F/20K PSI COMPUTALOG SECTOR BOND TOOL			10.29	2.75	90.00
CENT-2.75CCent 2 3/4" computalog cent			2.50	2.75	11.90
BullPlug-BullPlug1			0.17	1.69	2.00
Dataset: extraction_oil&gas_westwind#4.db: field/well/run1/pass5.1 Total length: 25.22 ft Total weight: 195.80 lb O.D.: 2.75 in					