



SUPERIOR
Black Lick, Pa.
Mercer, Pa.
Wooster, Oh.
Cleveland, Ok.
Trinidad, Co.

GAMMA RAY C.C.L.
CEMENT BOND V.D.L.

Company NOBLE ENERGY INC.
Well BASHOR PC GQ 17-04
Field GROVER
County WELD State COLORADO

Location: API # : 05 123 31758
660' FNL & 660' FWL
NWNW
SEC 17 TWP 10N RGE 61W
Permanent Datum GL Elevation 5085
Log Measured From KB ----- 12FT.
Drilling Measured From KB
Other Services
K.B. 5097
D.F. 5096
G.L. 5085

Date

15-JULY-2010

Run Number	ONE		
Depth Driller	7715		
Depth Logger	7620		
Bottom Logged Interval	7619		
Top Log Interval	1840		
Open Hole Size	8.625		
Type Fluid	WATER		
Density / Viscosity	N/A		
Max. Recorded Temp.	242° F		
Estimated Cement Top	2026		
Time Well Ready	MAST UNIT		
Time Logger on Bottom	2-3/4LH		
Equipment Number	0700		
Location	45		
Recorded By	LEROY HOBBS		
Witnessed By	S. ARMSTRONG		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size			Wgt/Ft		Top	Bottom
Surface String	8-5/8			24.00 / J-55		SURFACE	1096.00
Prot. String							
Production String	5-1/2			17.00 / M-80		SURFACE	7698.00
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.

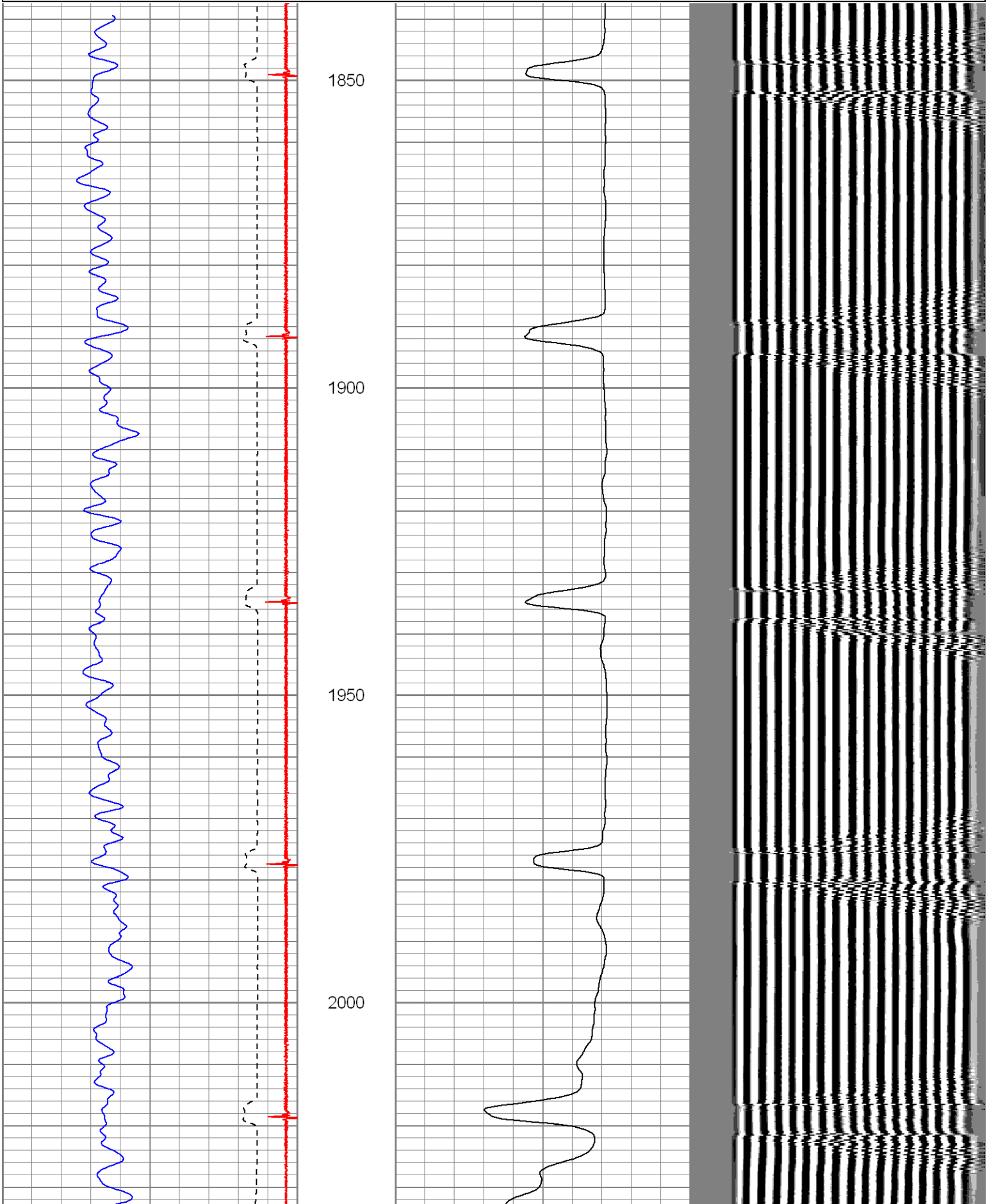
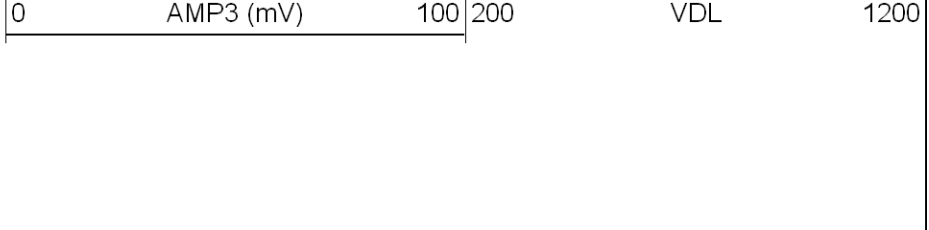
Comments

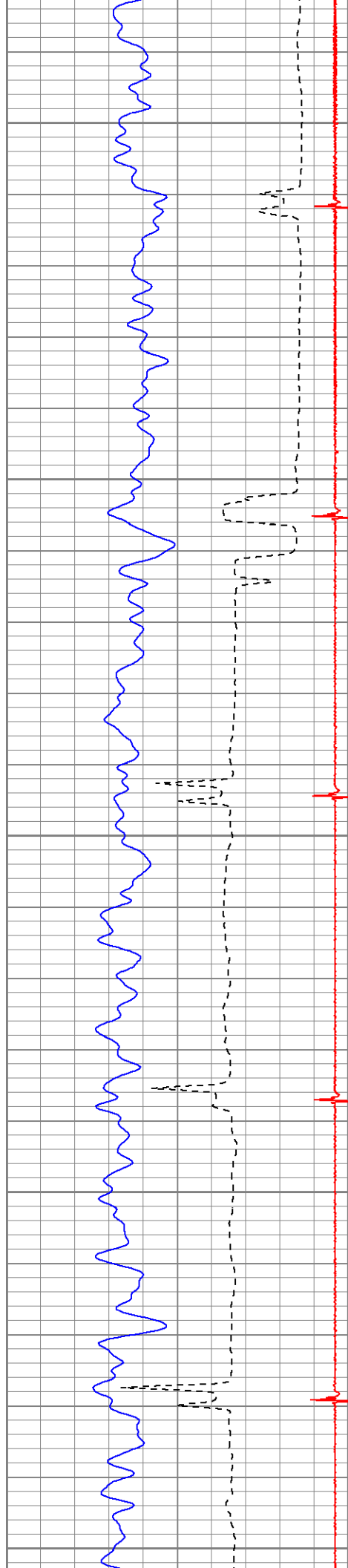
THANK YOU FOR USING SUPERIOR WELL SERVICES.

CORRECTED TO SCHULUMBER COMPENSATED NEUTRON LOG DATED
4-JUL-2010.

Database File: bashor pc17-04cbl.db
Dataset Pathname: pass4
Presentation Format: cblsec
Dataset Creation: Thu Jul 15 11:46:11 2010 by Log Open-Cased 071220
Charted by: Depth in Feet scaled 1:240

9	CCL	-0.3
0	GR (GAPI)	200
200	GR (GAPI)	400
400	TT3 (usec)	200





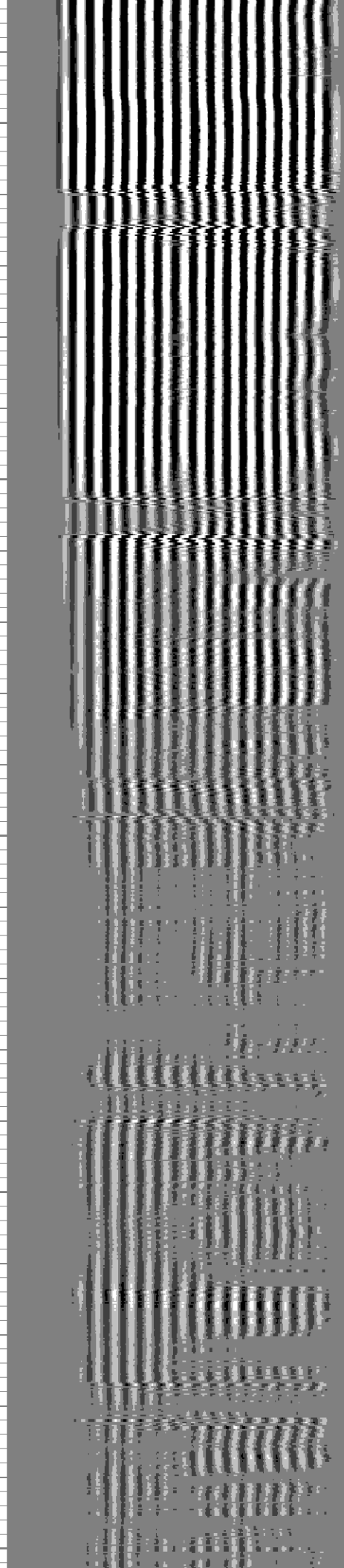
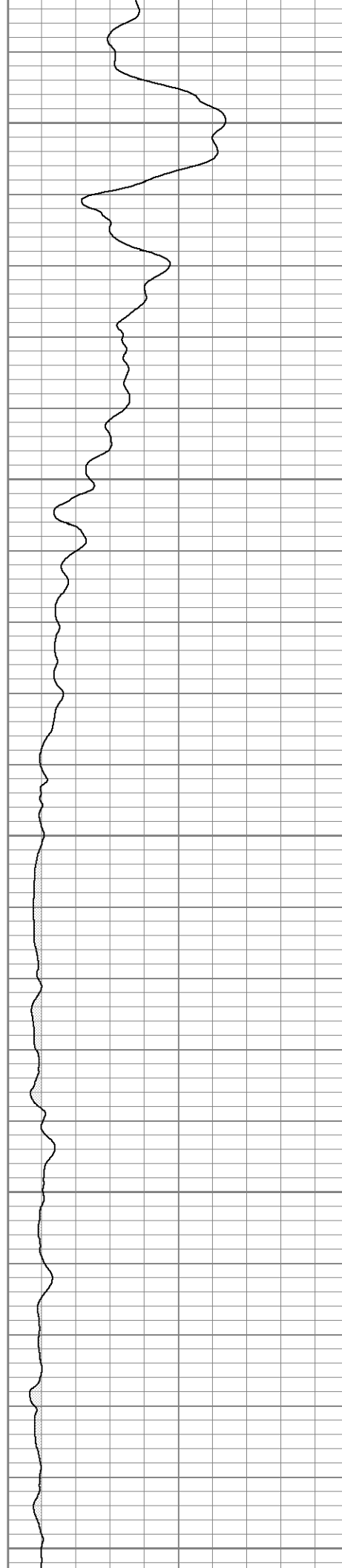
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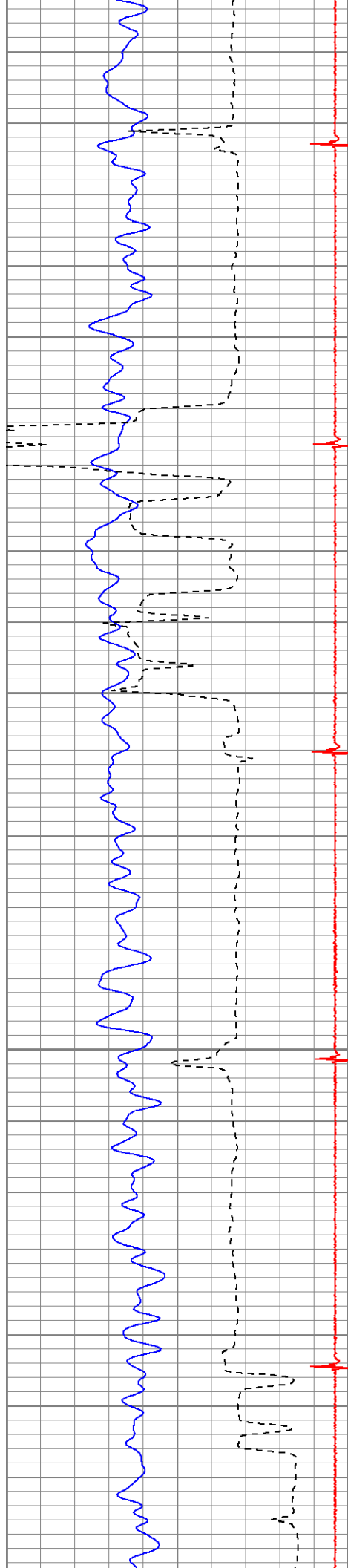
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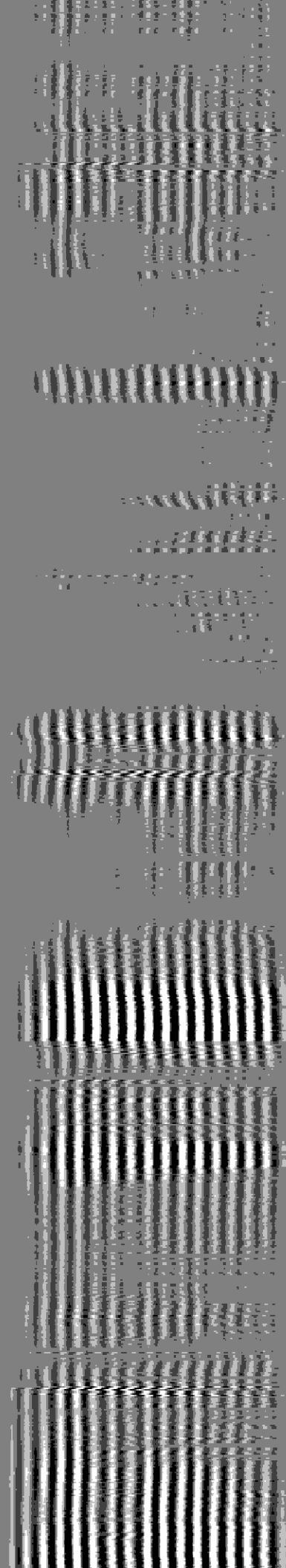
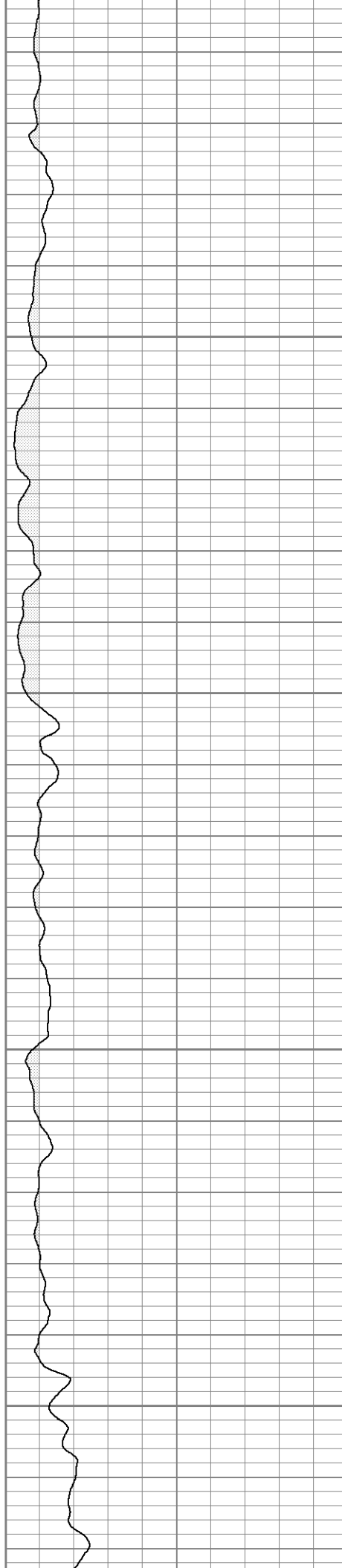


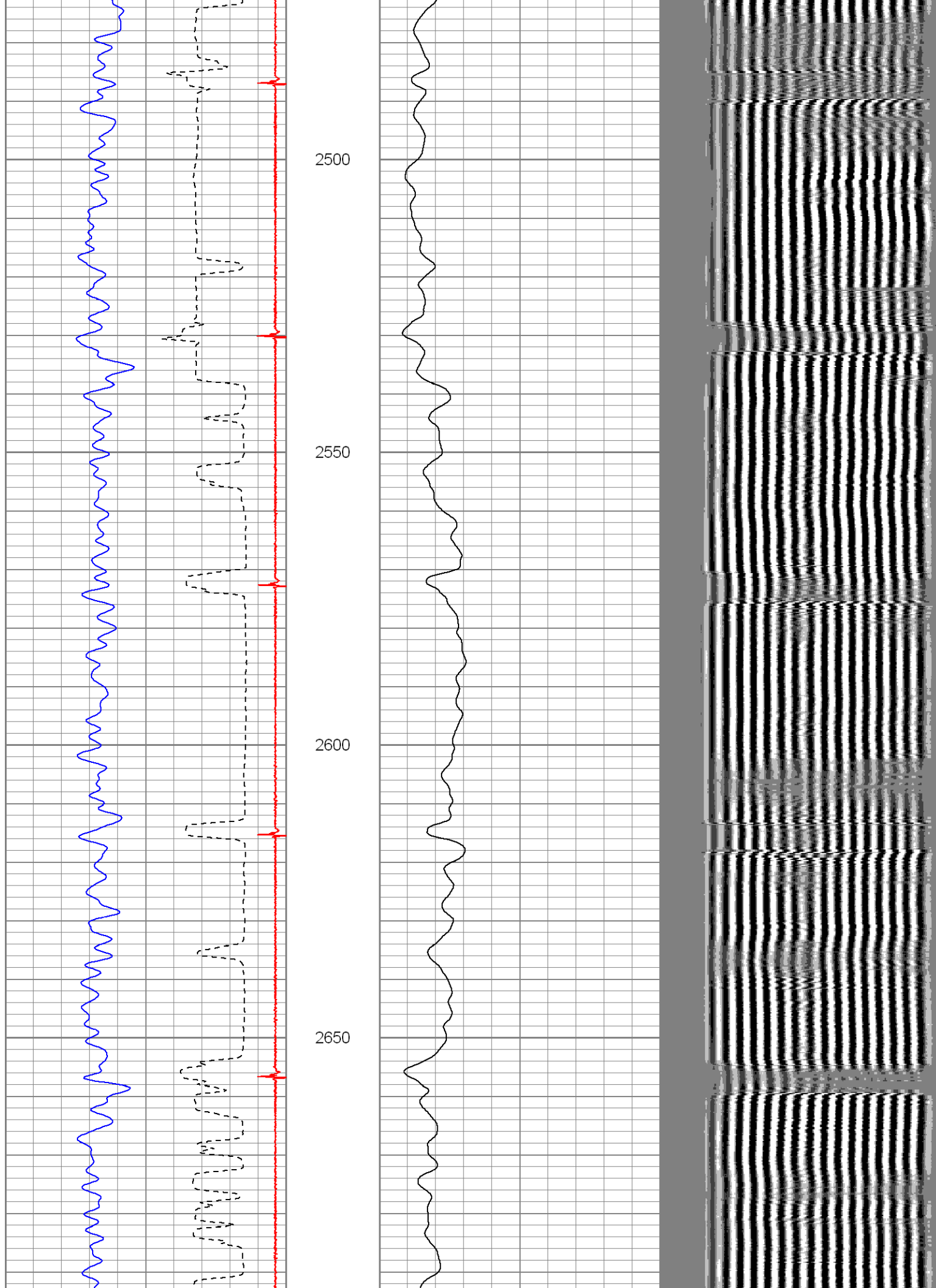
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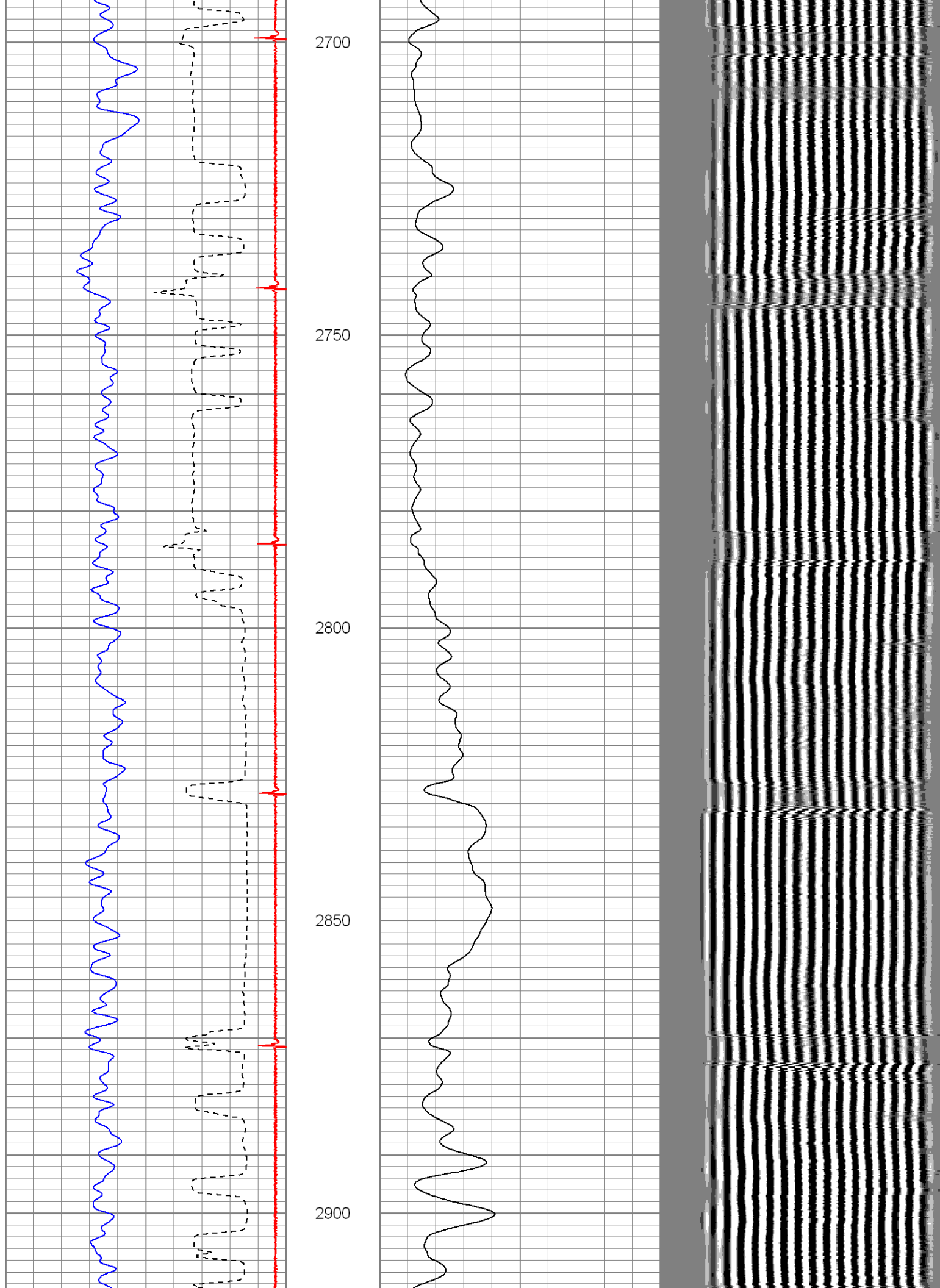
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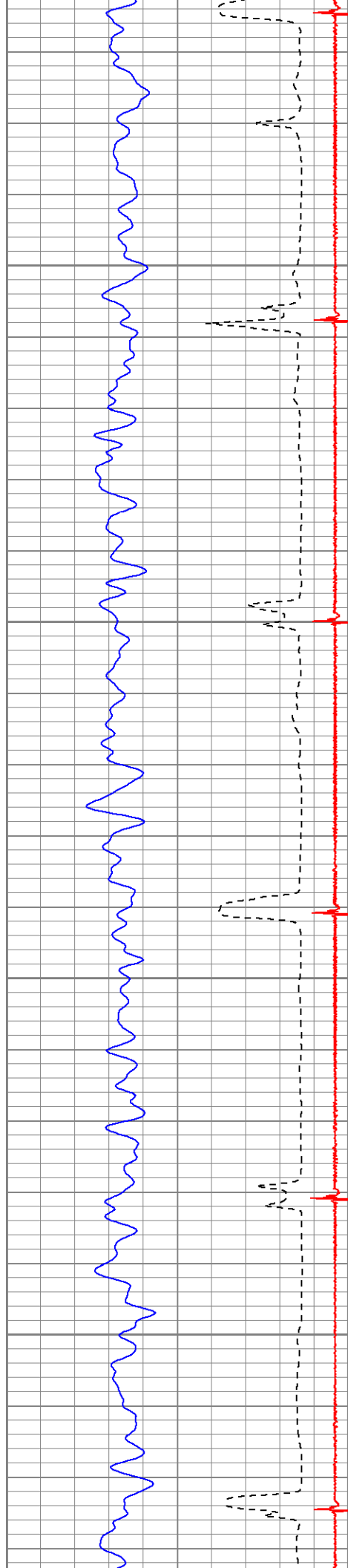
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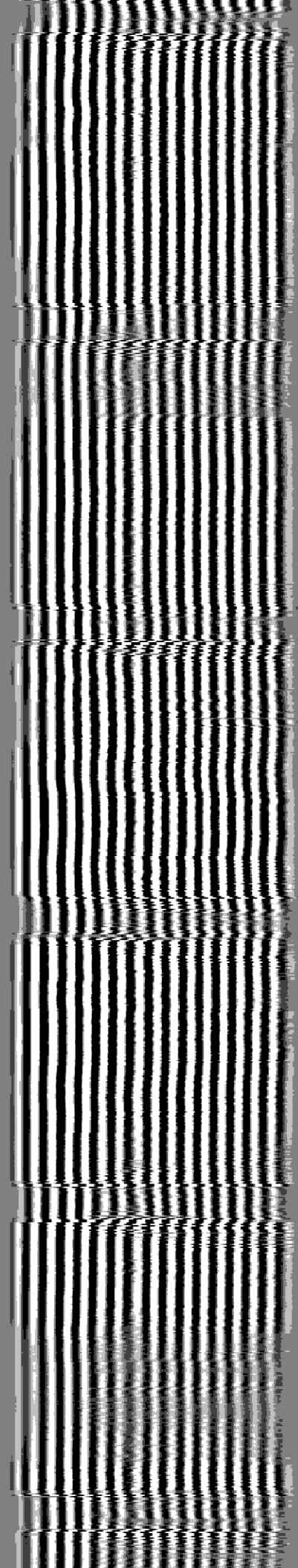
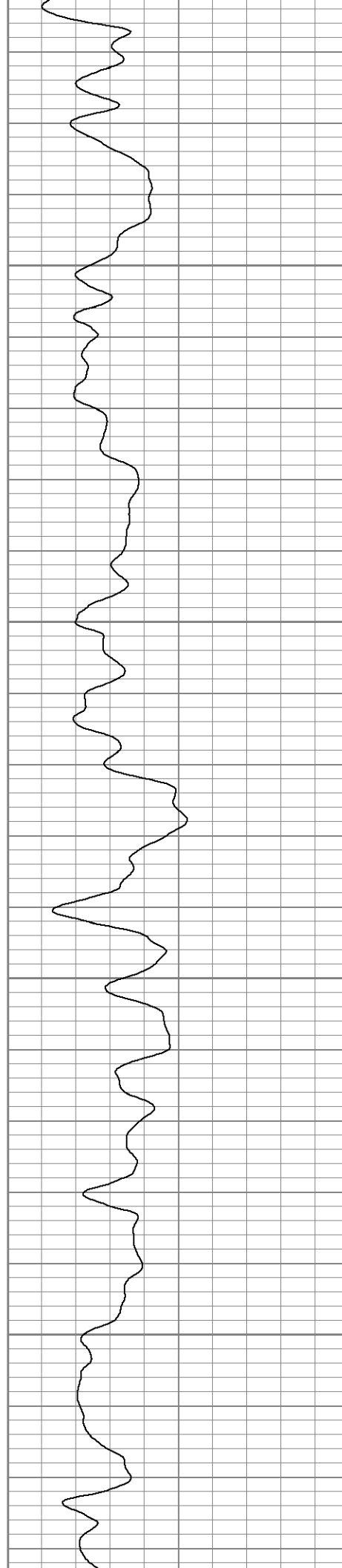


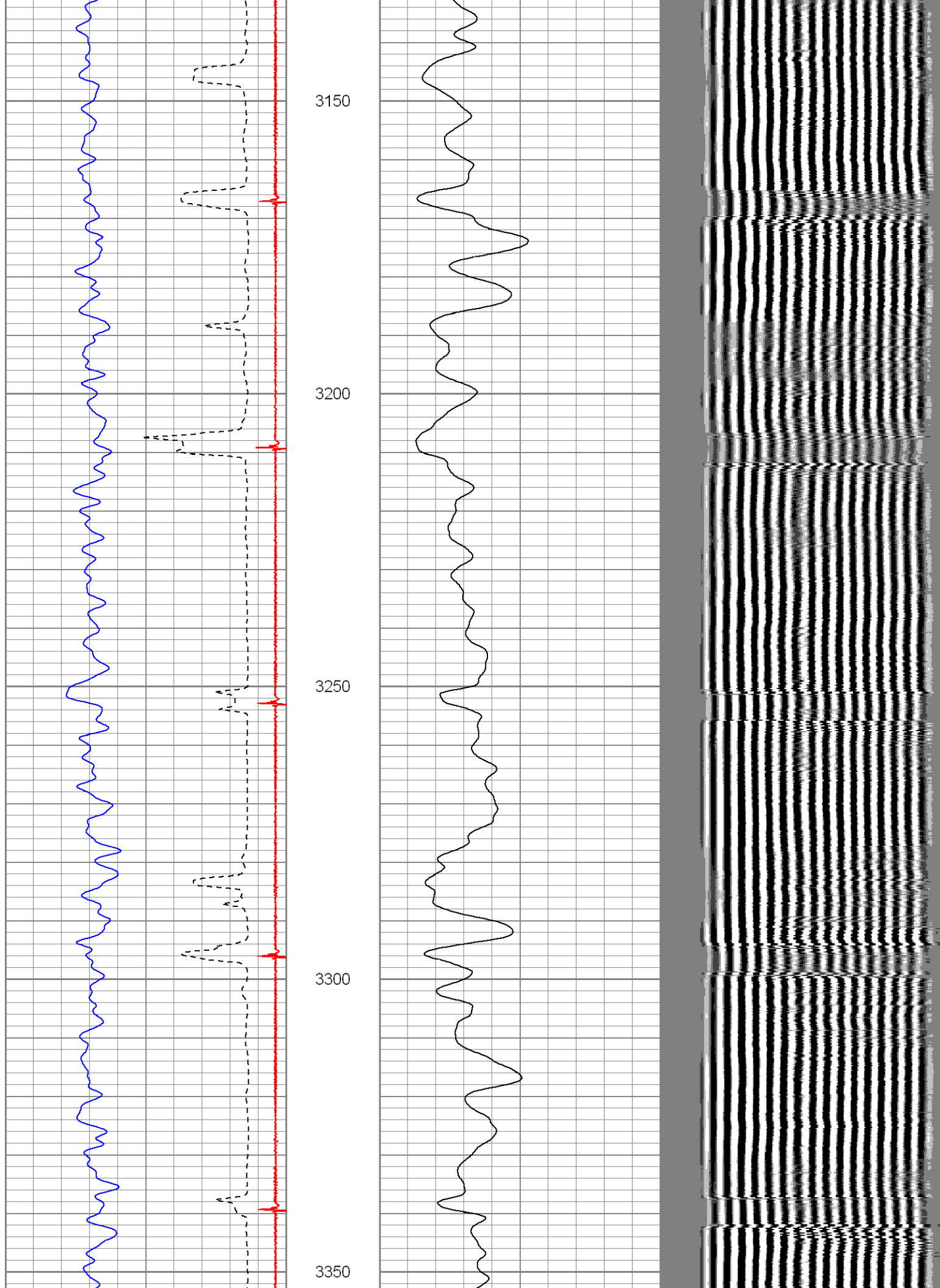
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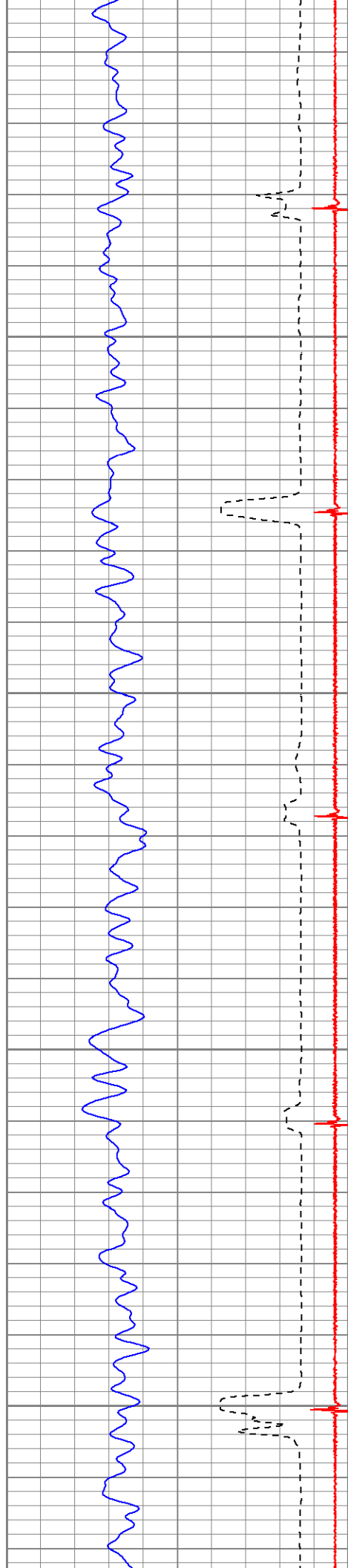
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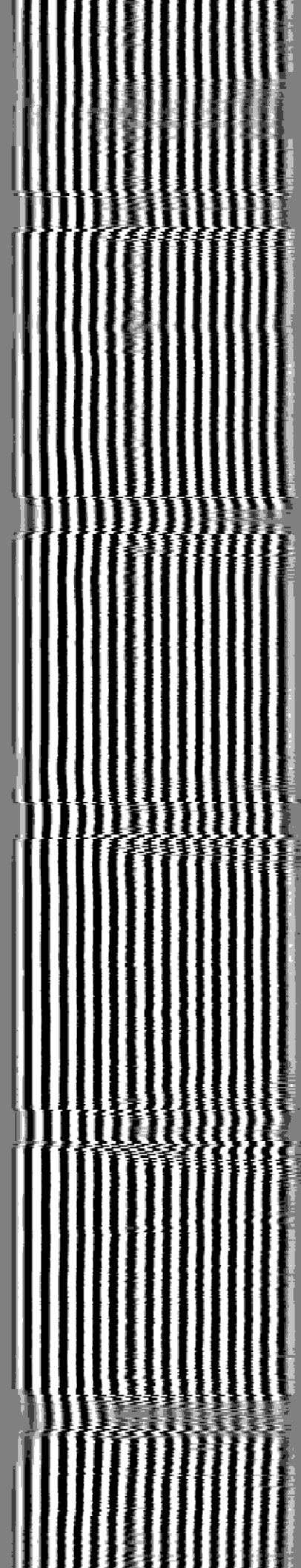
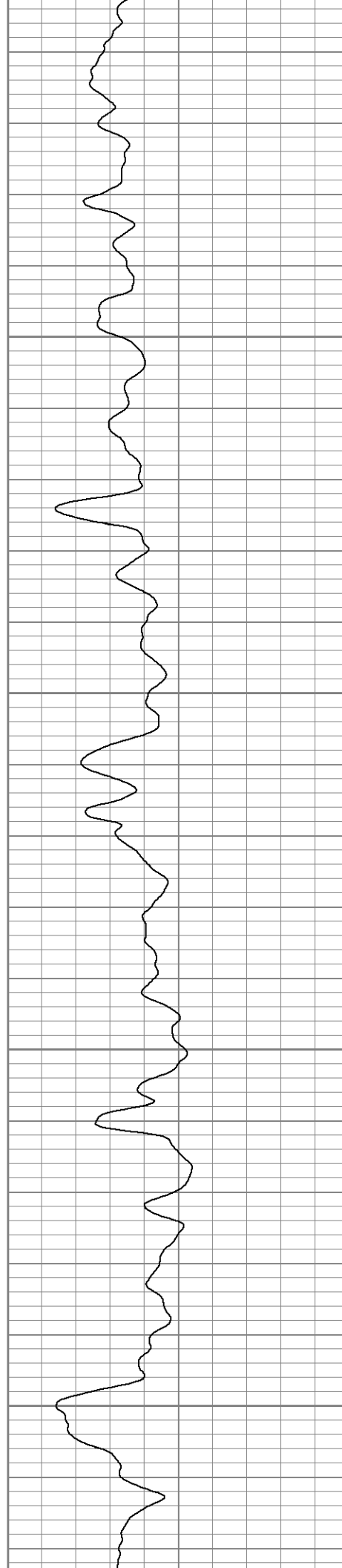


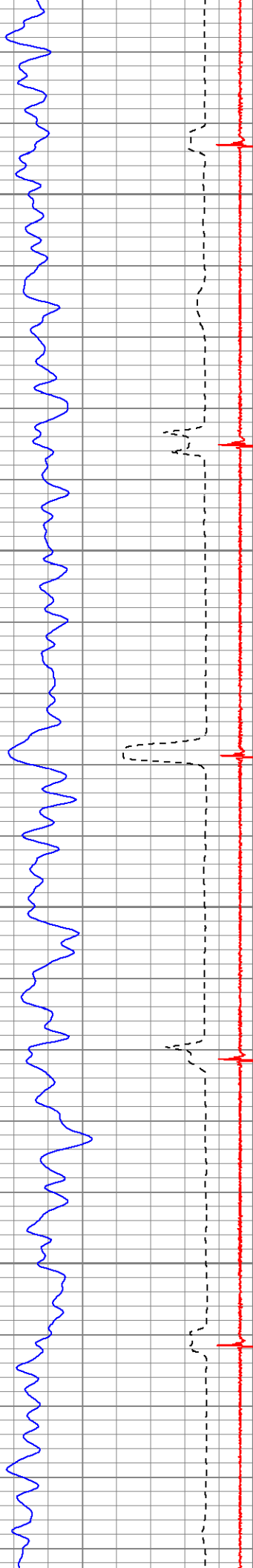
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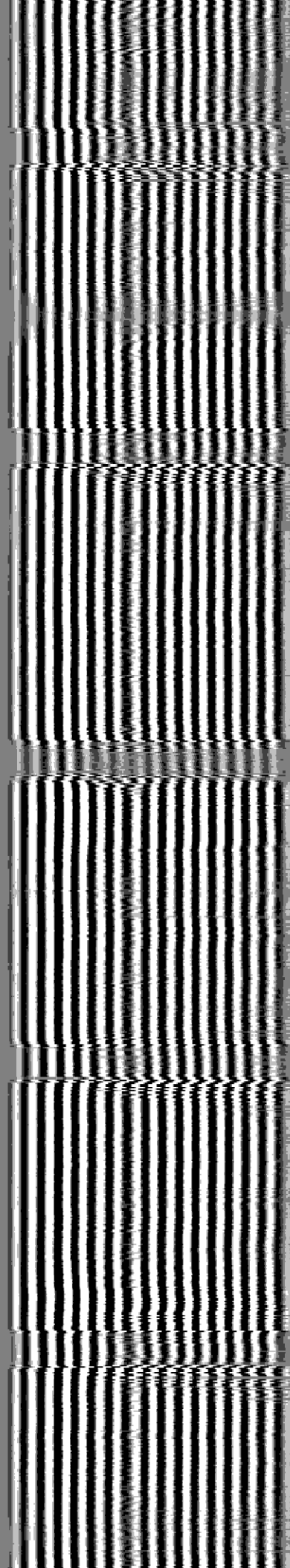


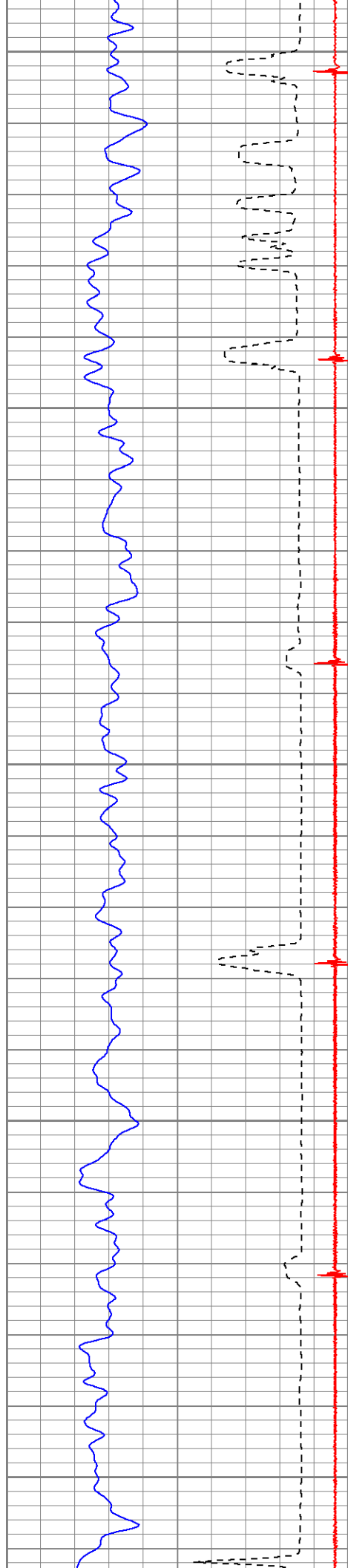
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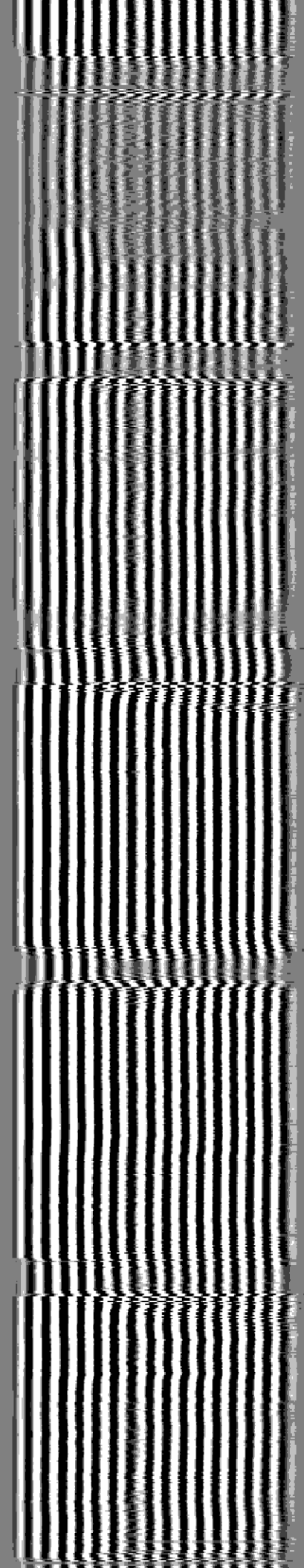
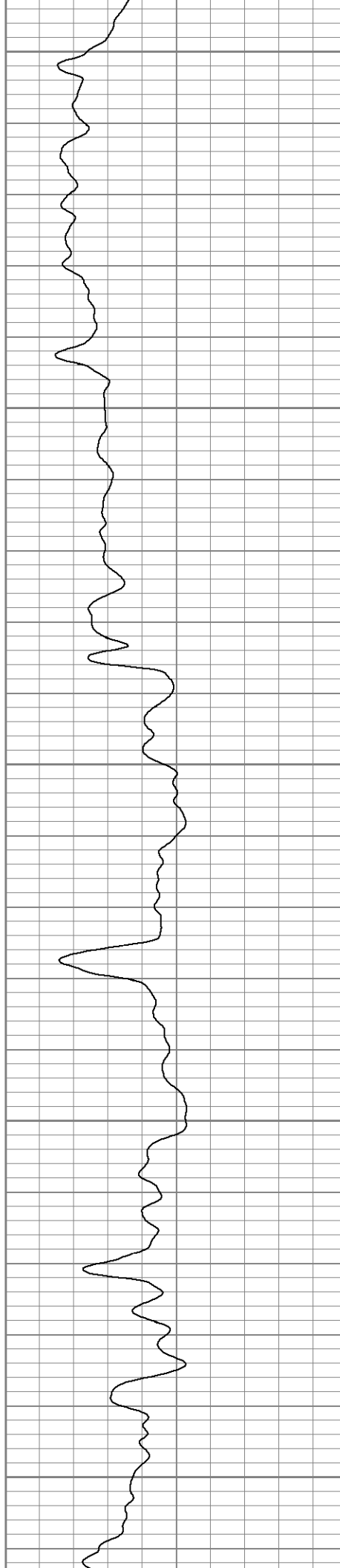
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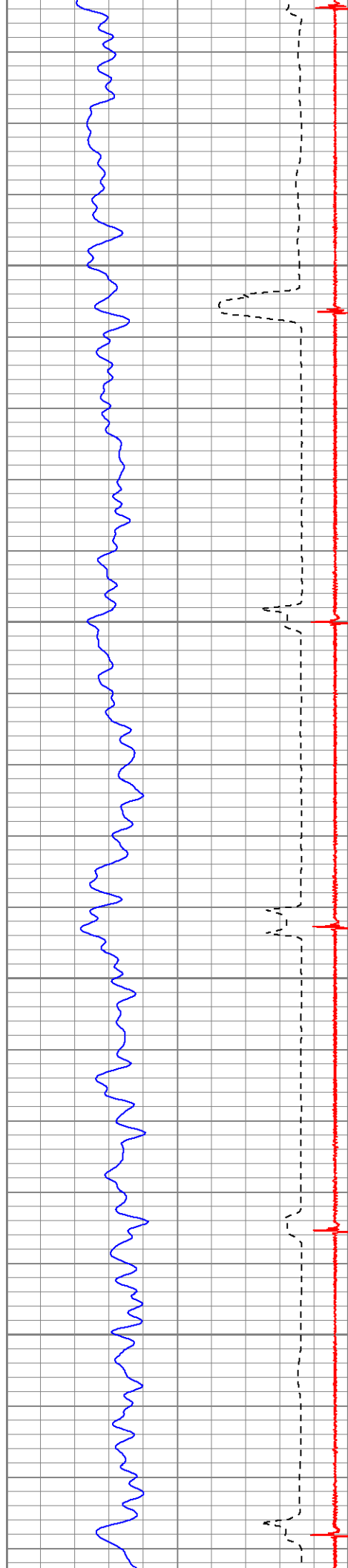
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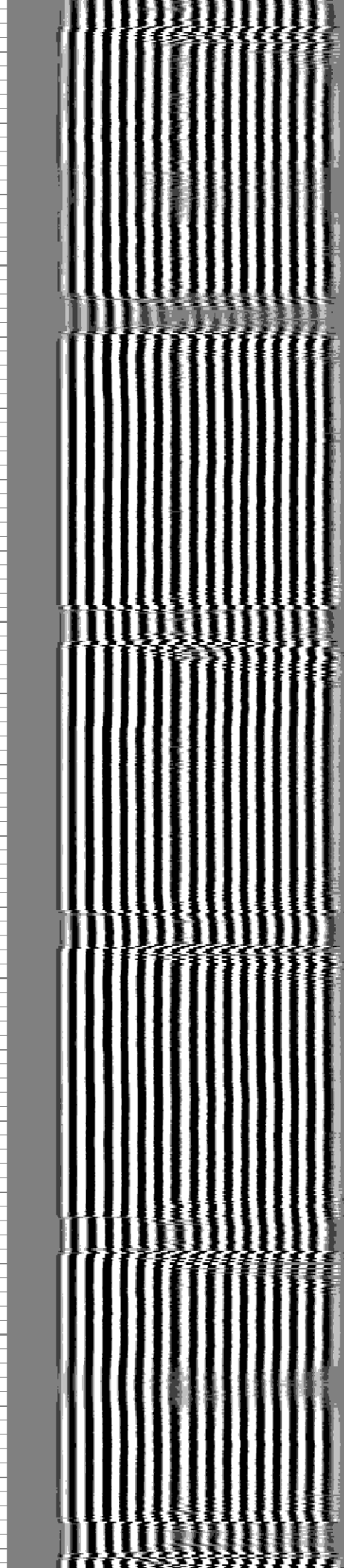
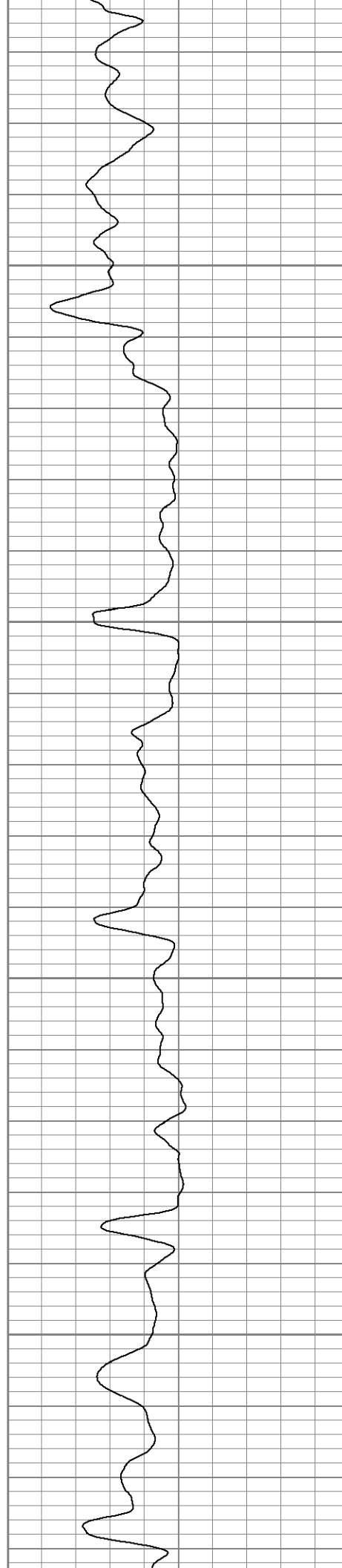


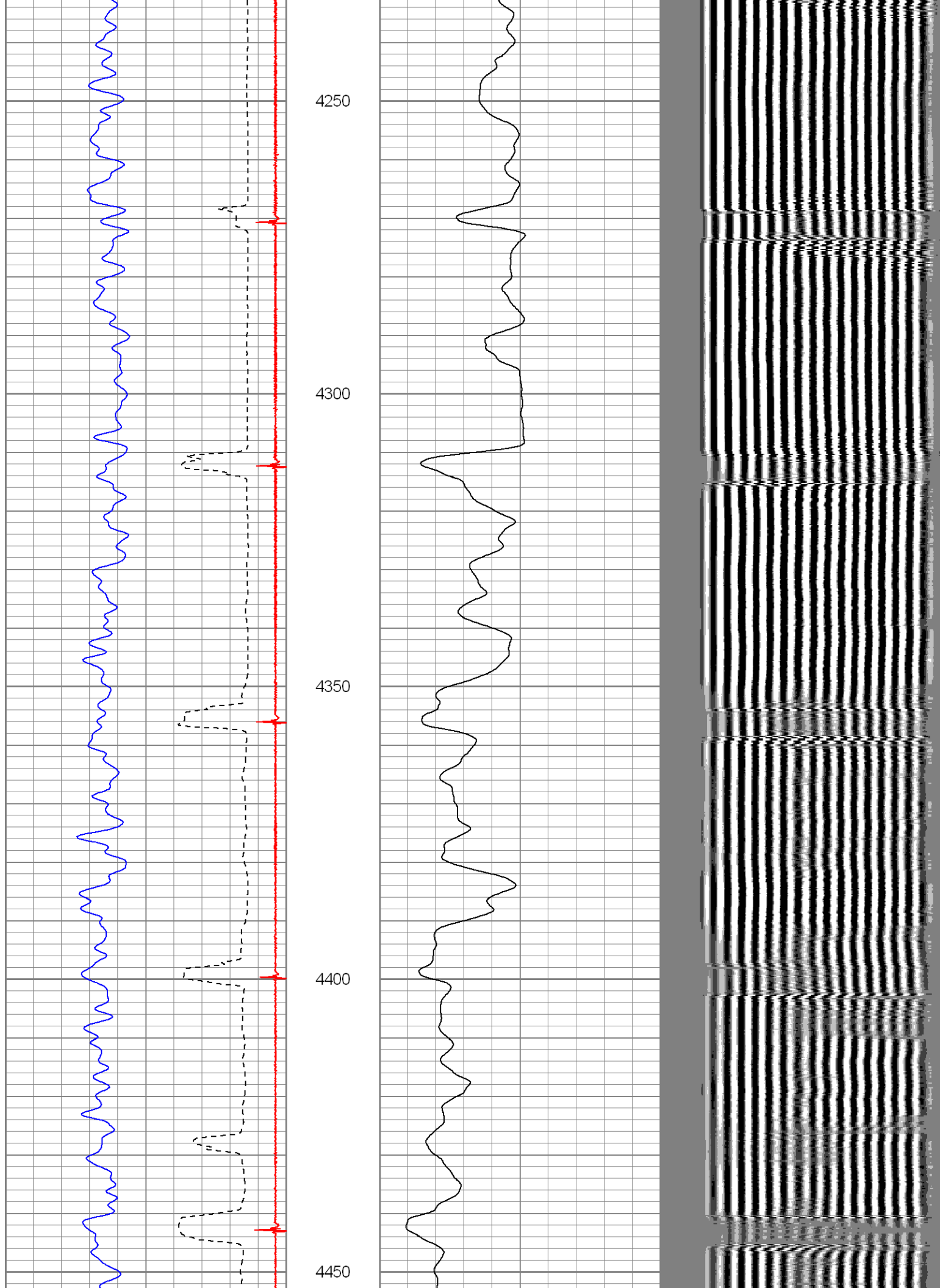
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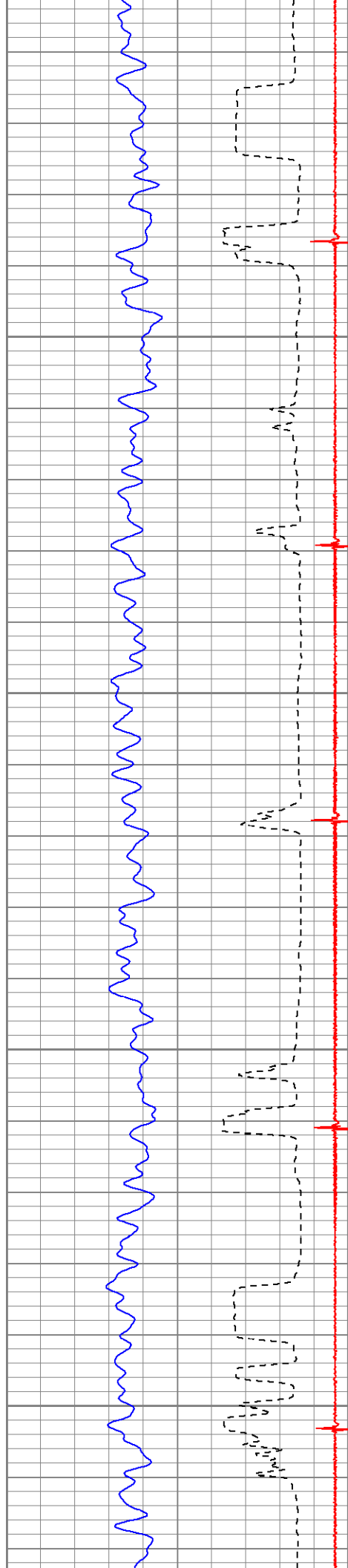
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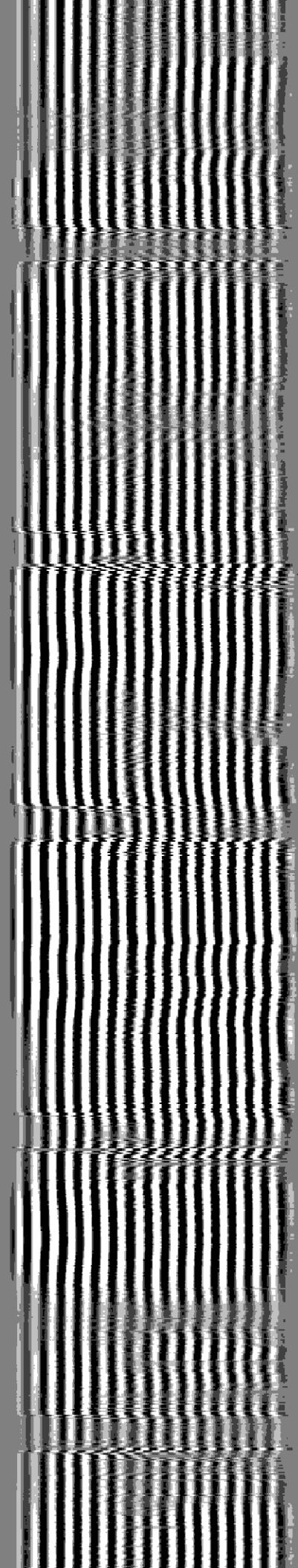
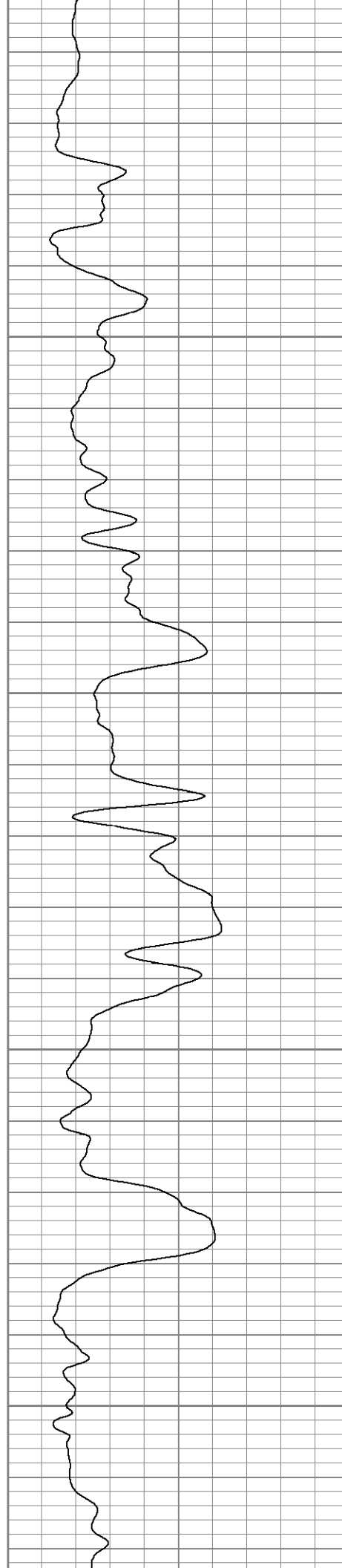


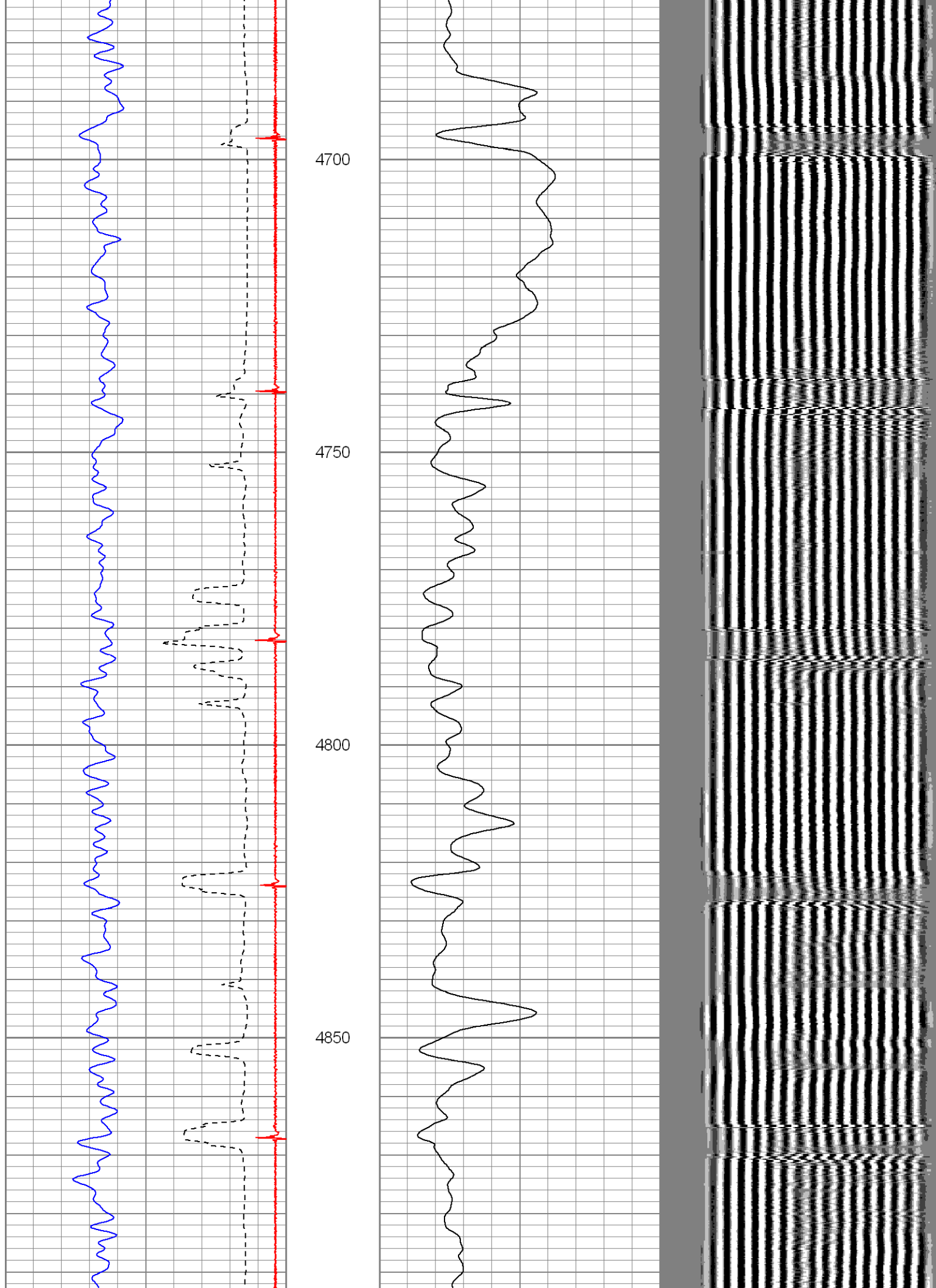
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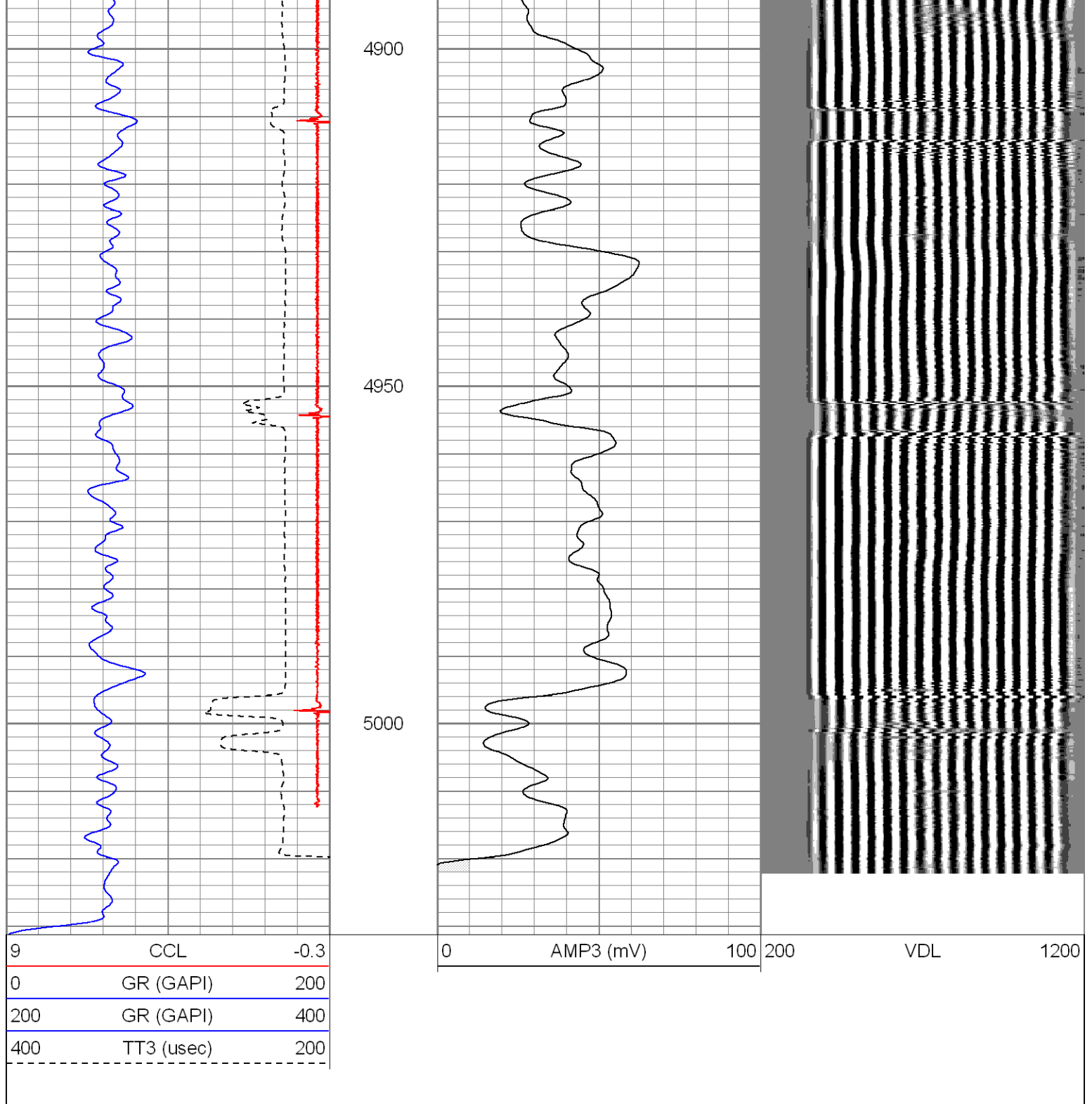
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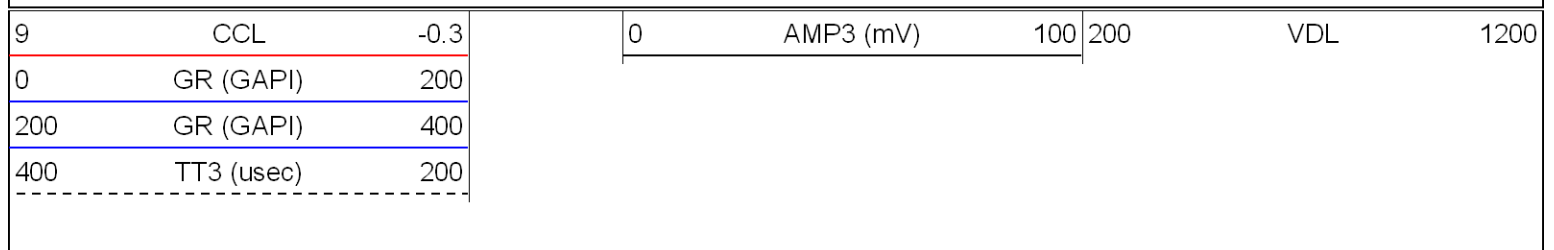
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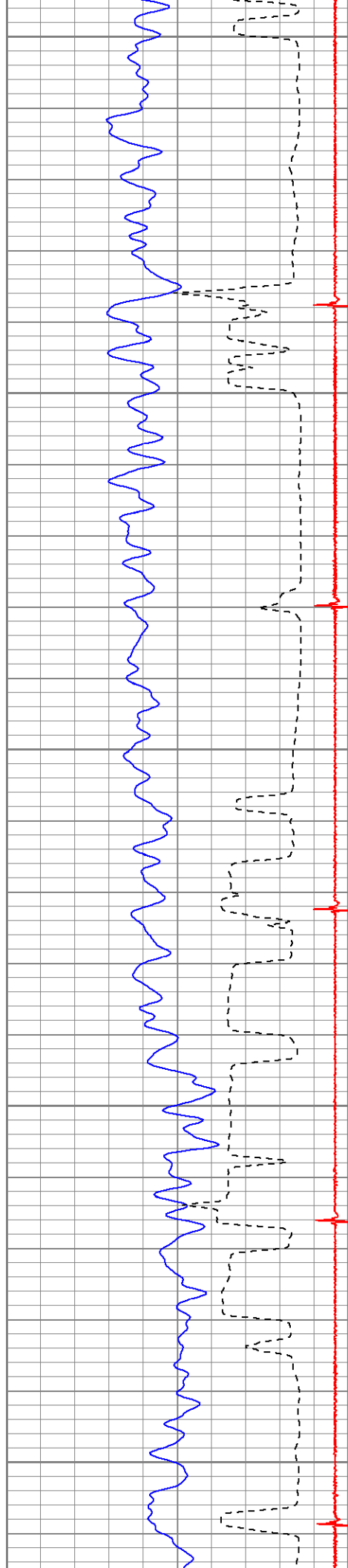






Database File: bashor pc17-04cbl.db
Dataset Pathname: pass3
Presentation Format: cblsec
Dataset Creation: Thu Jul 15 11:15:41 2010 by Log Open-Cased 071220
Charted by: Depth in Feet scaled 1:240





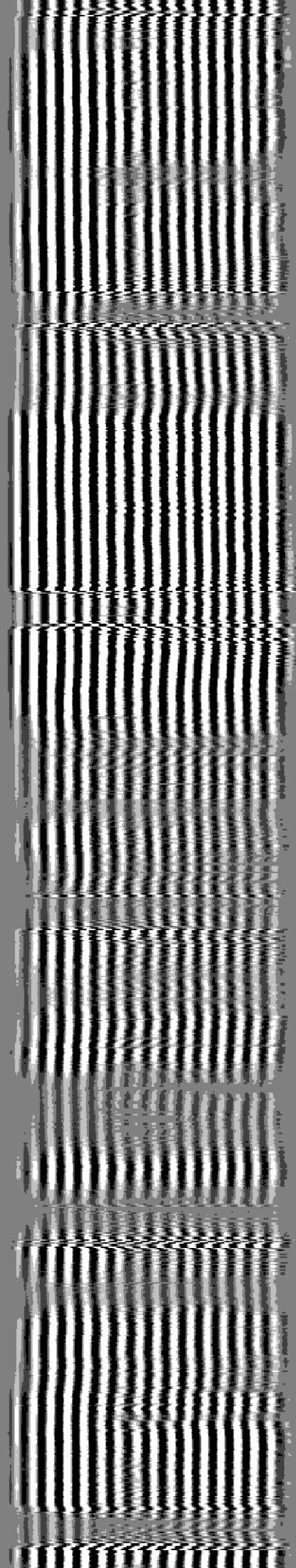
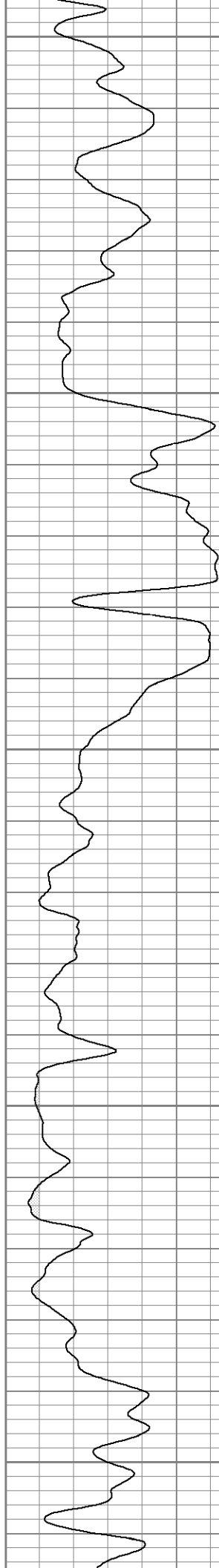
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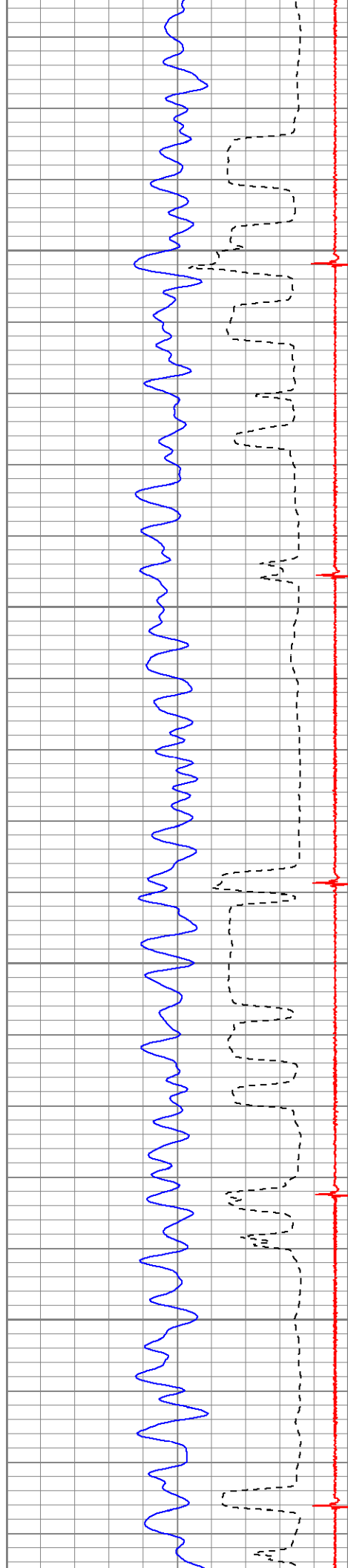
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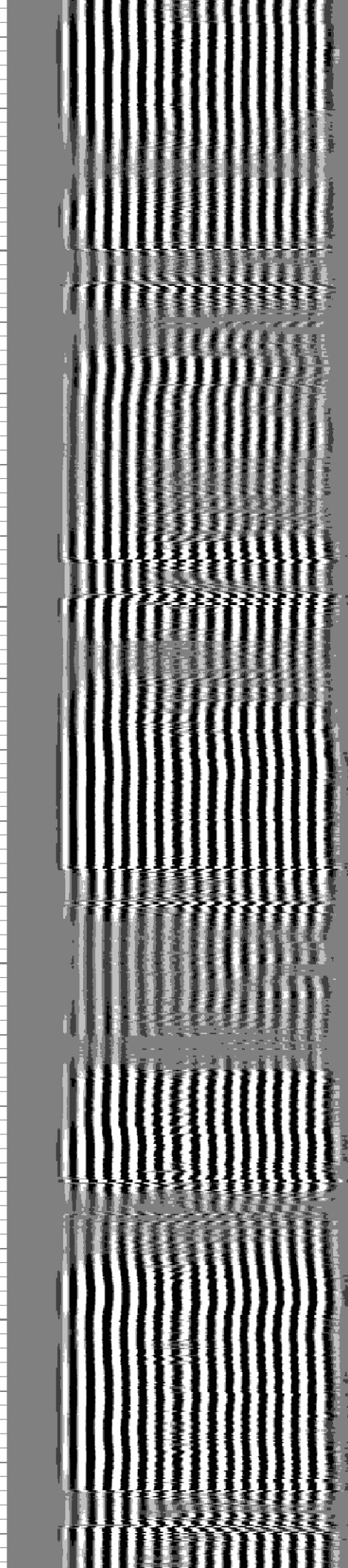
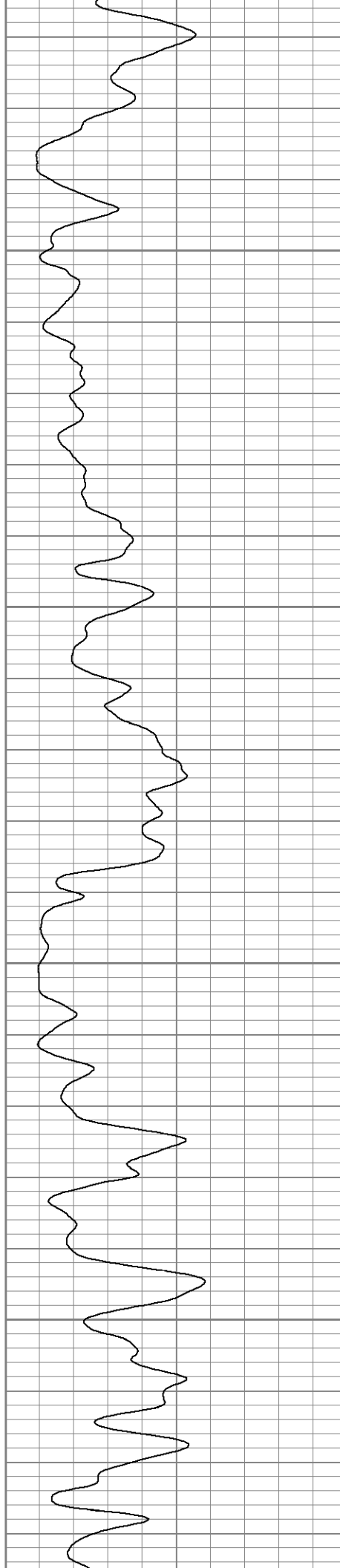


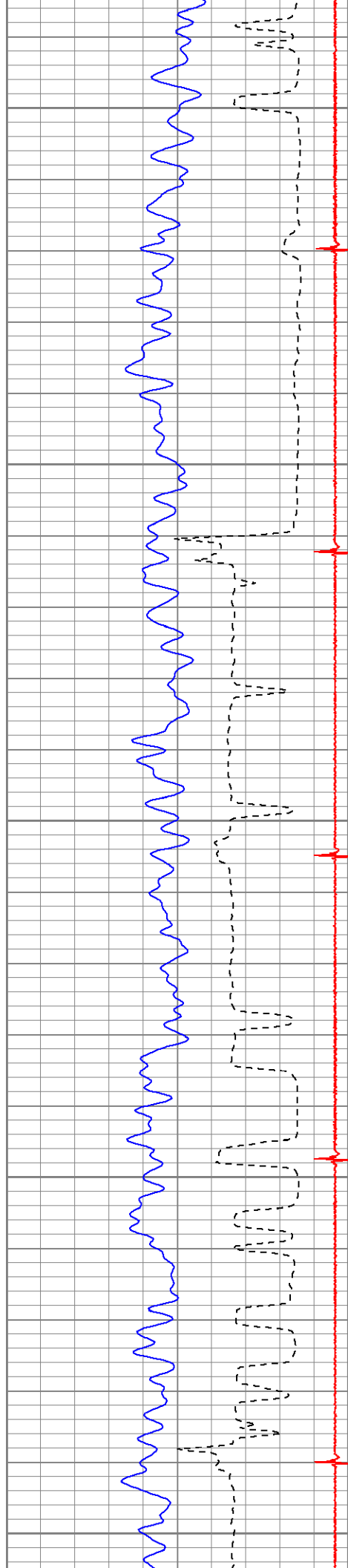
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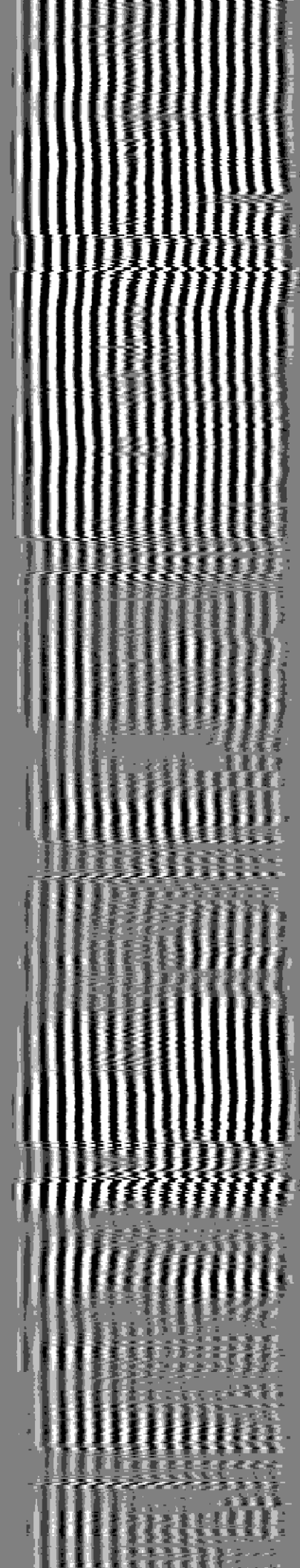
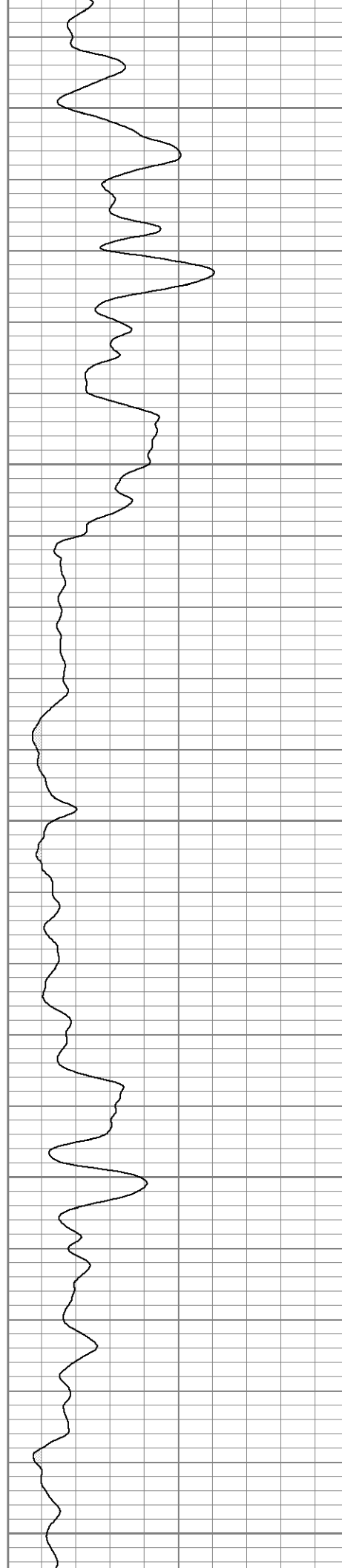
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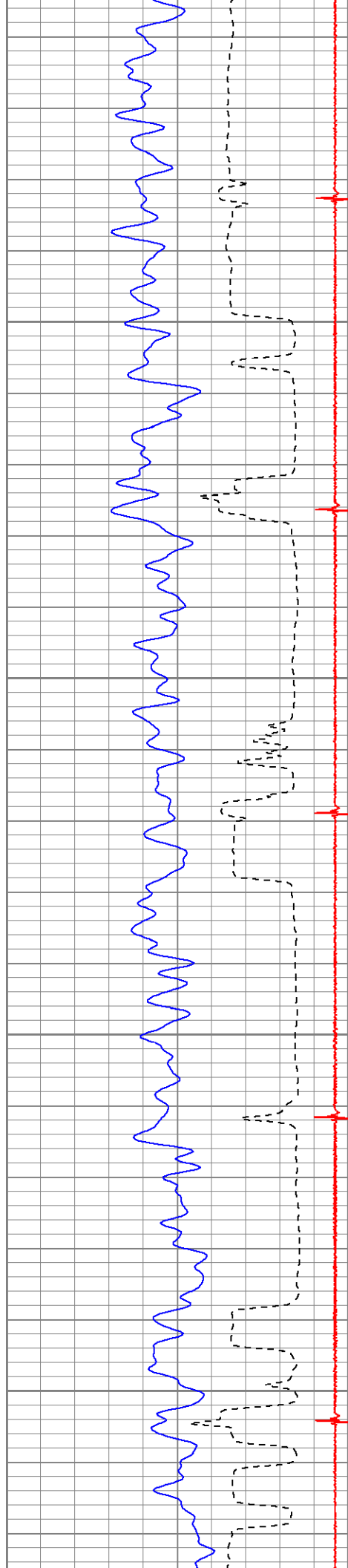
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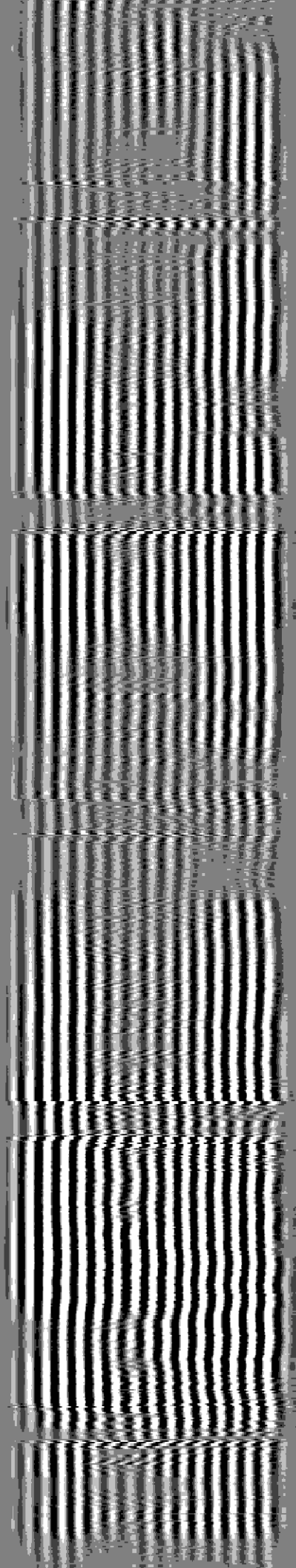
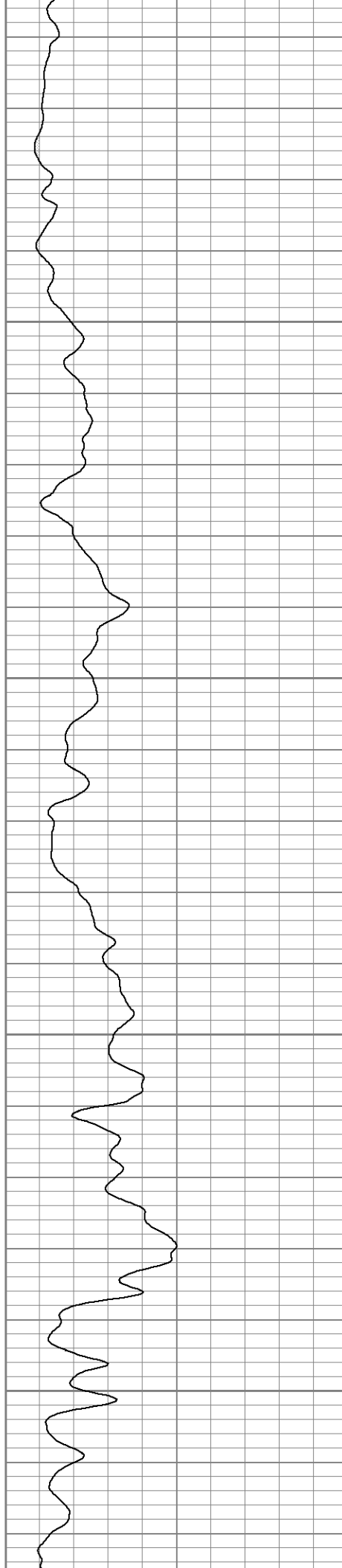


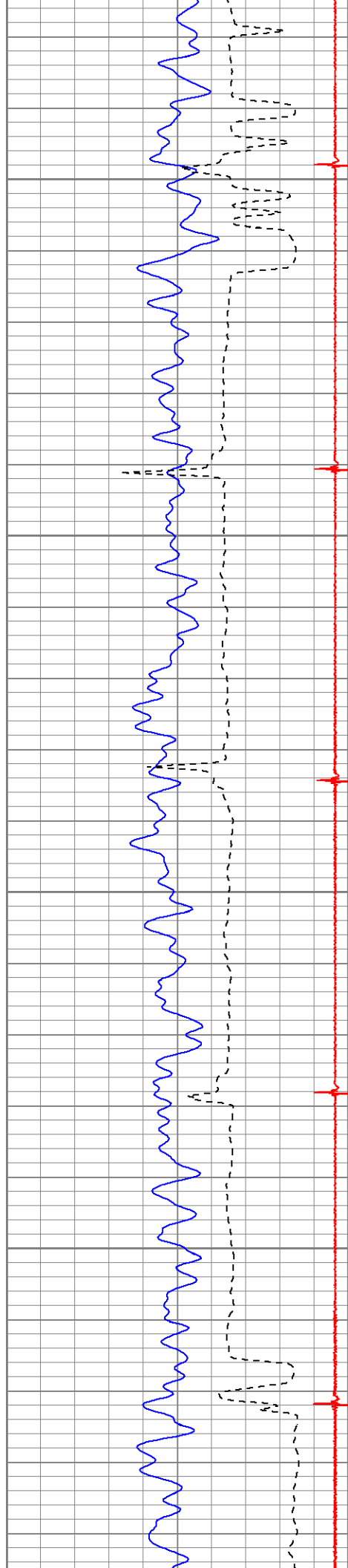
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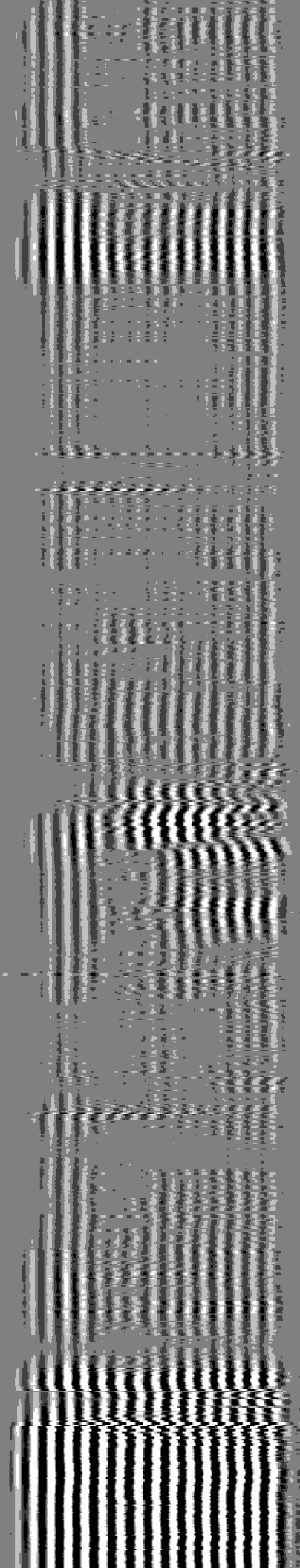
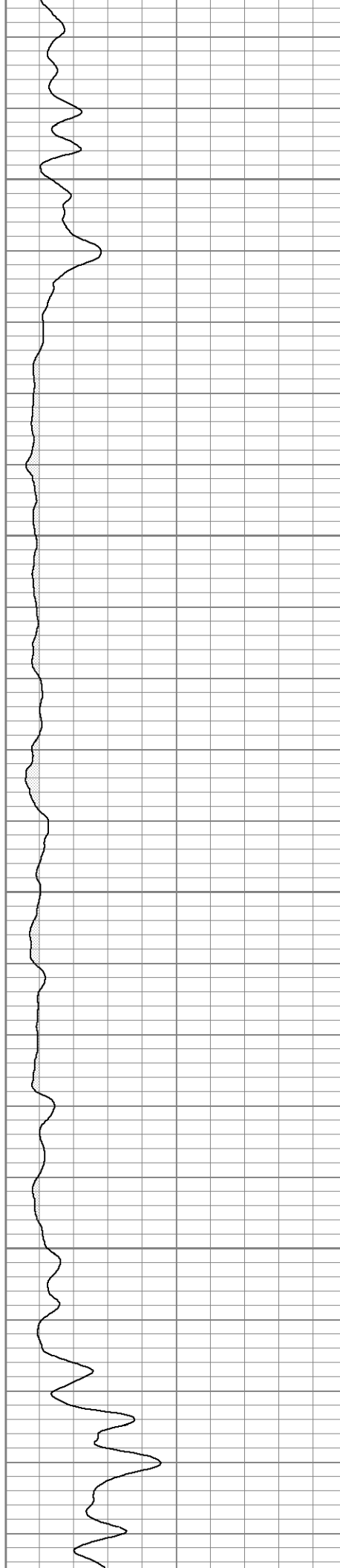


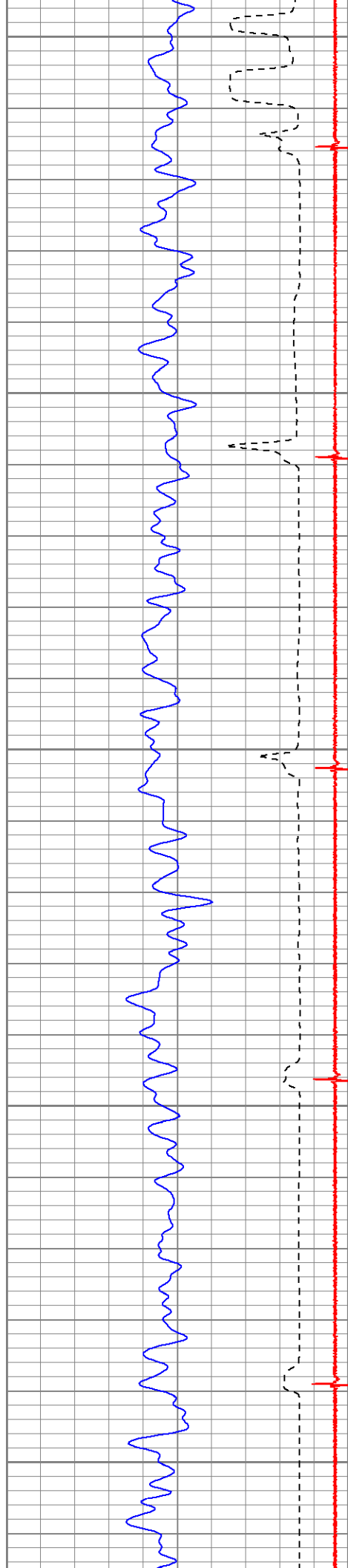
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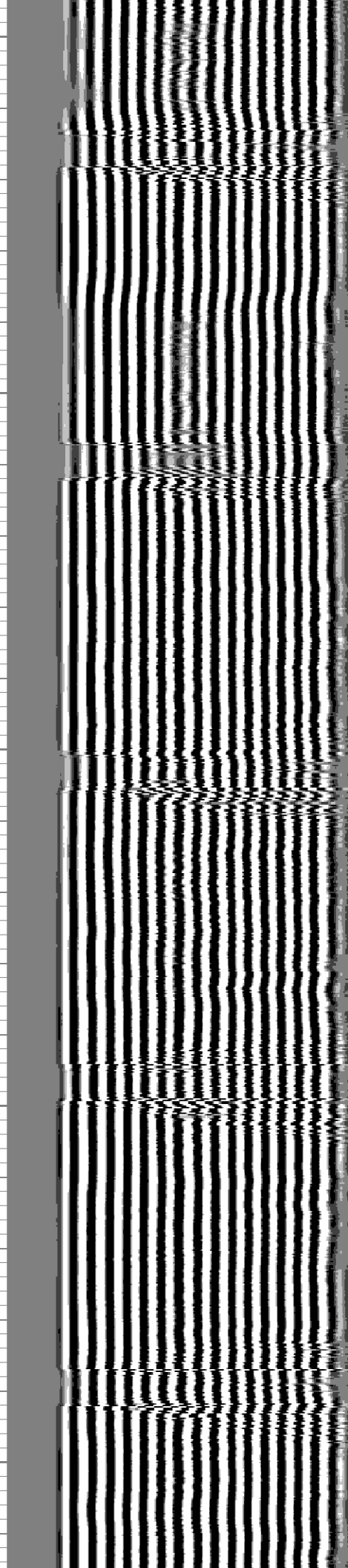
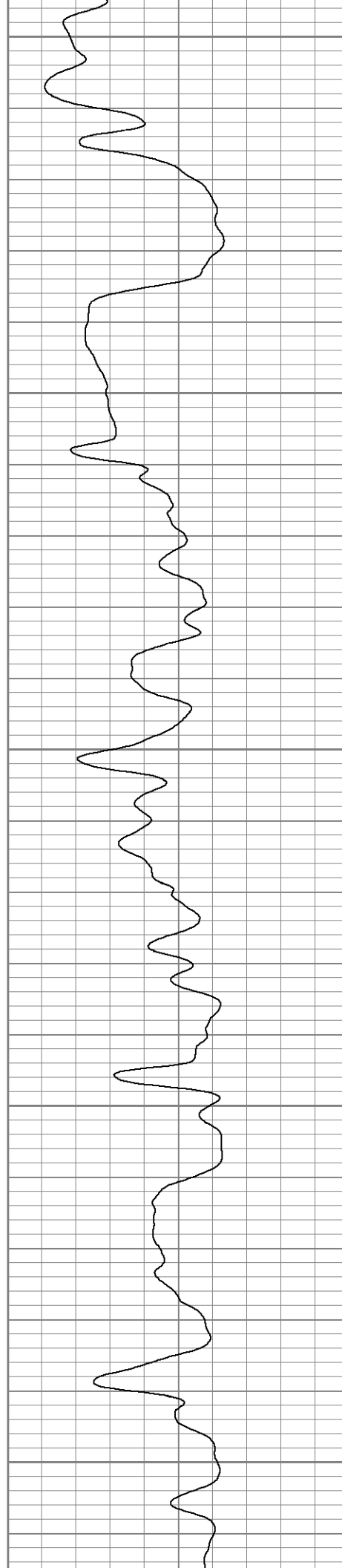
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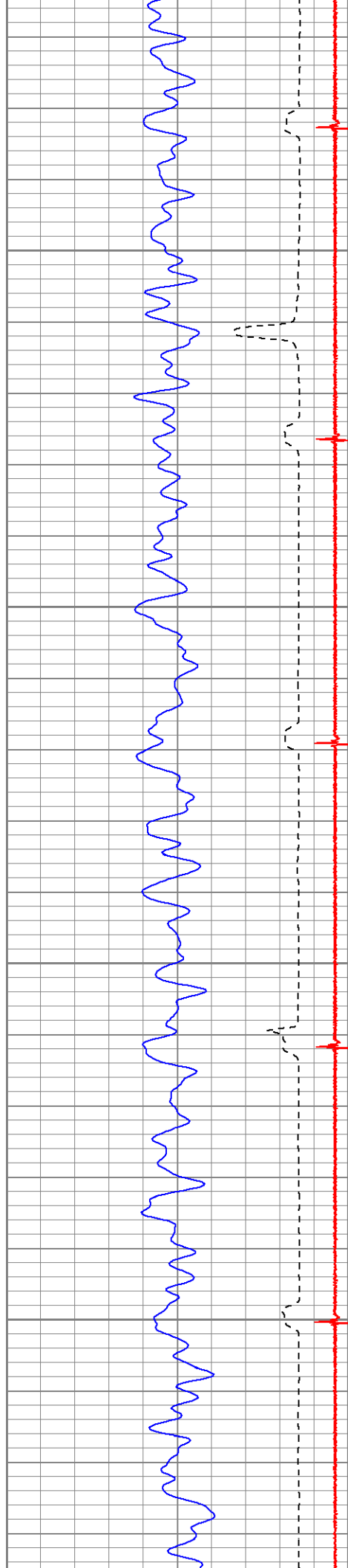
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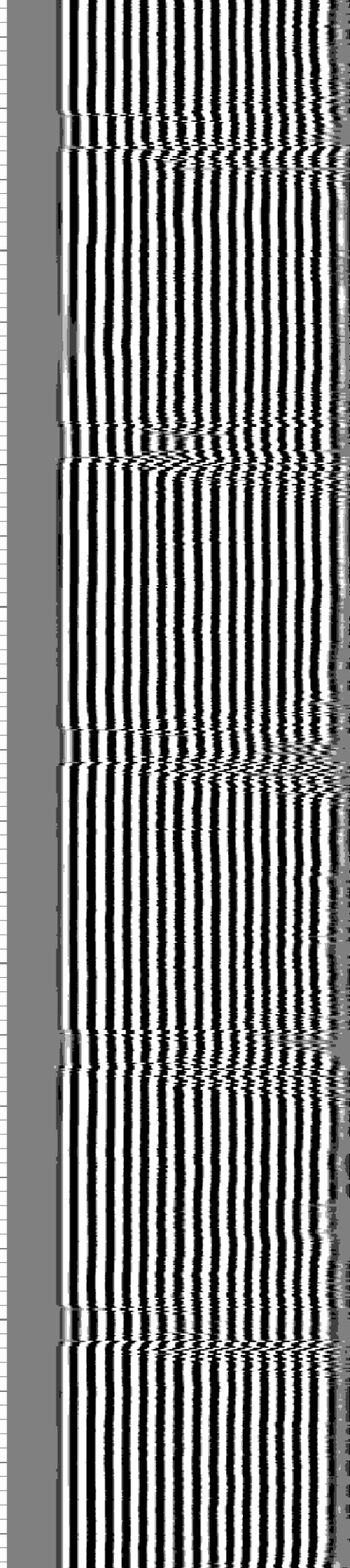
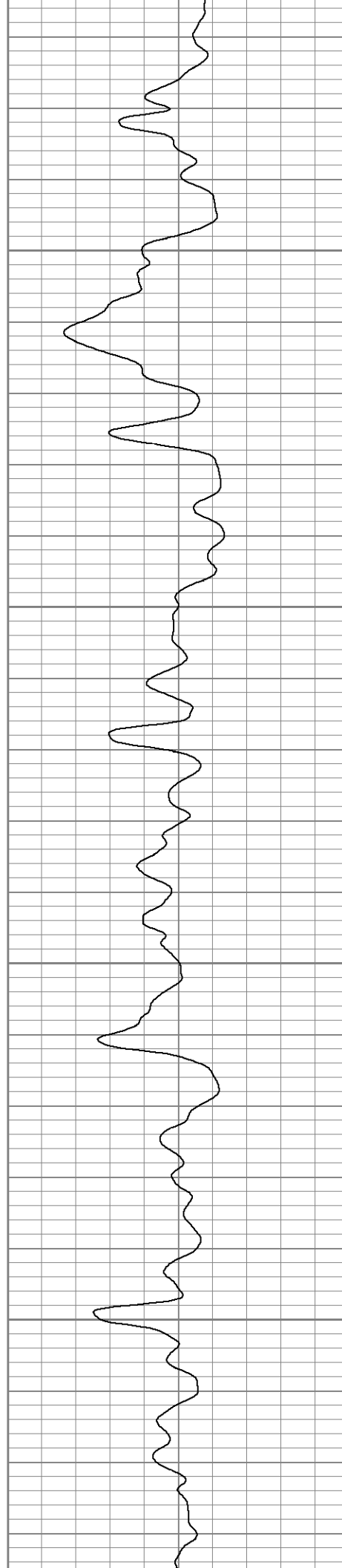


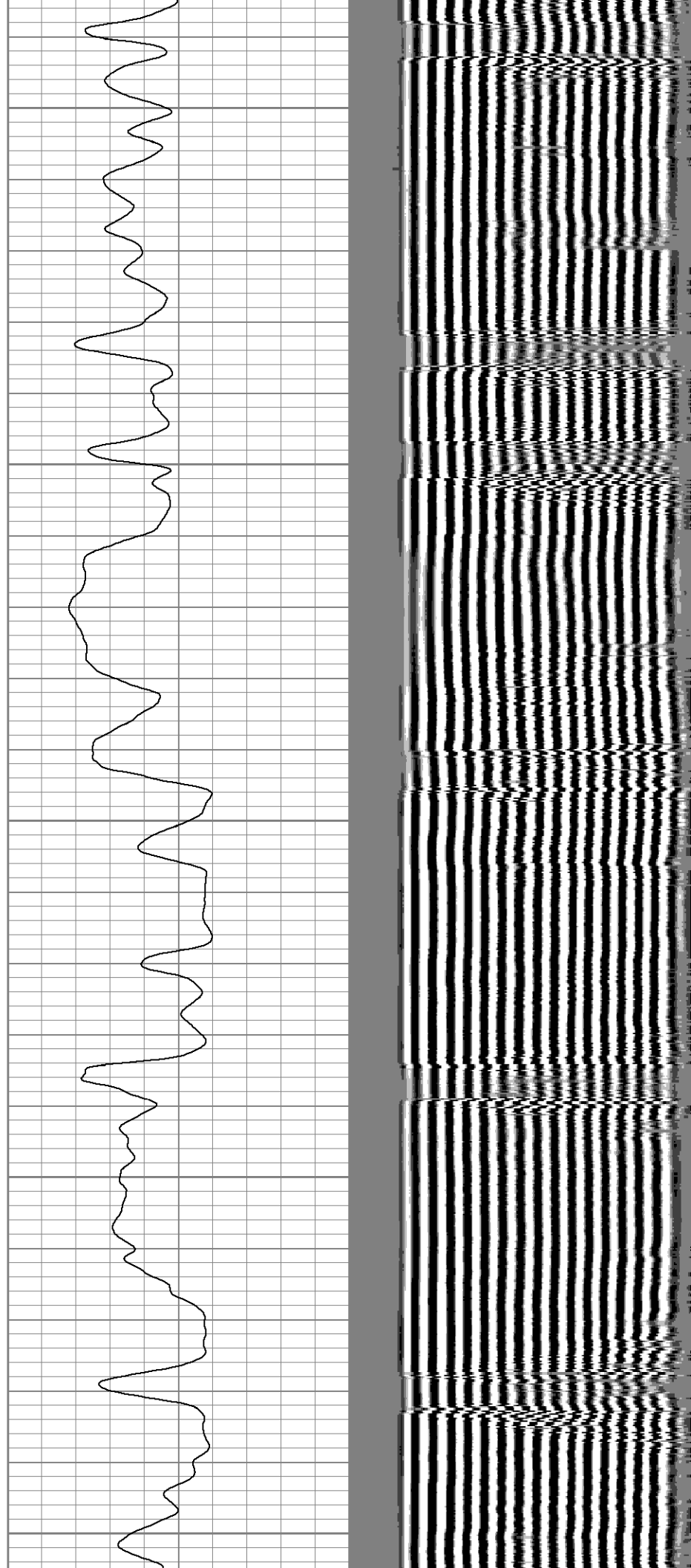
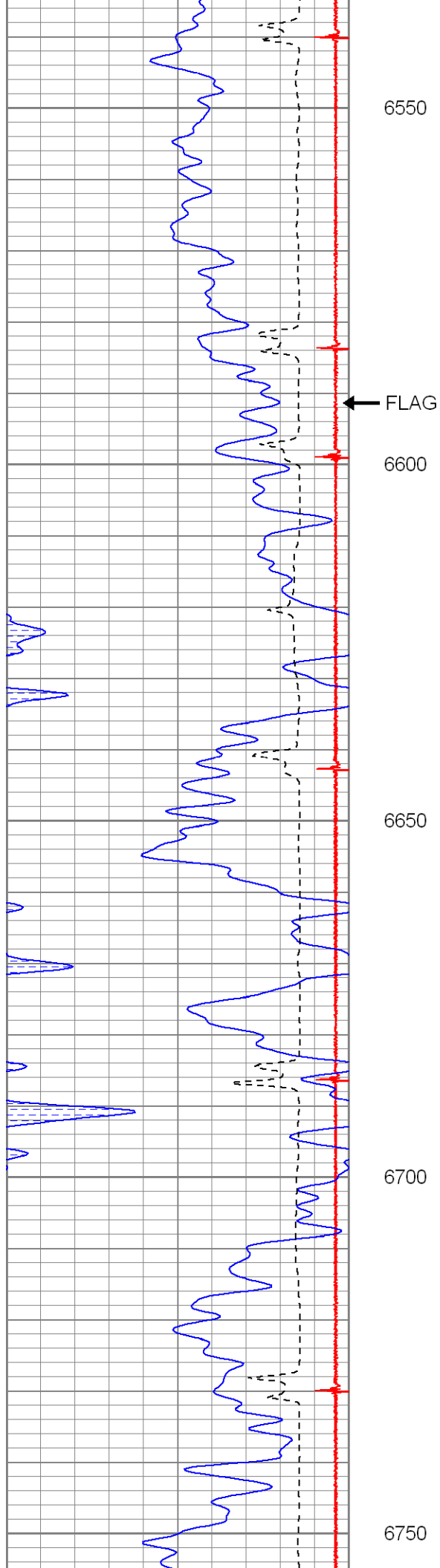
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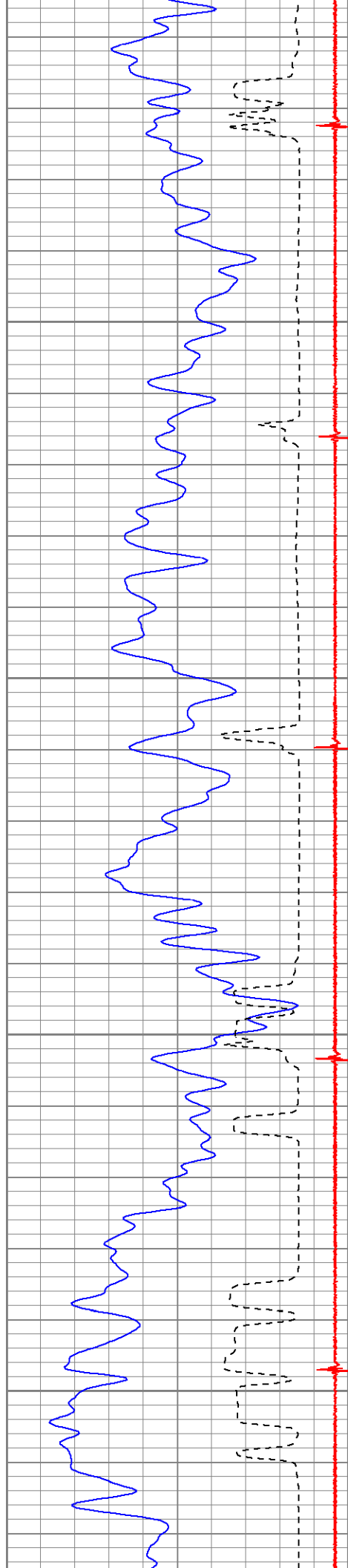
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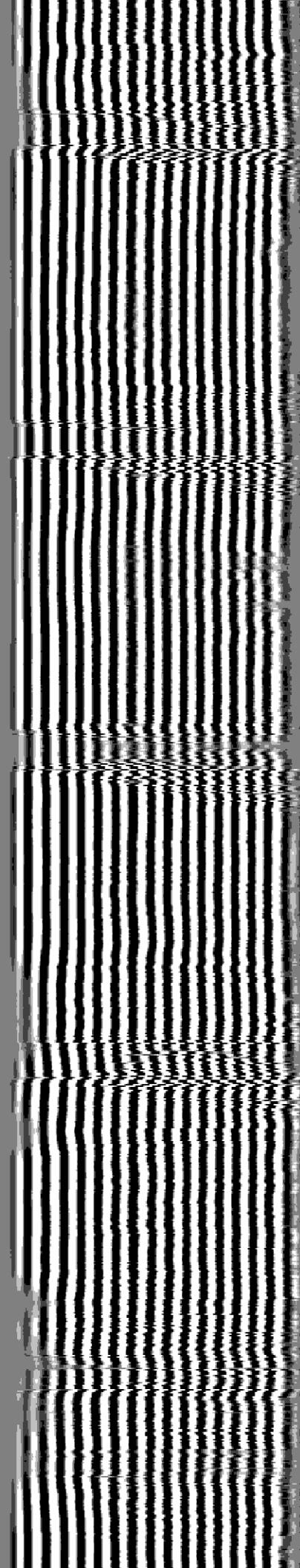
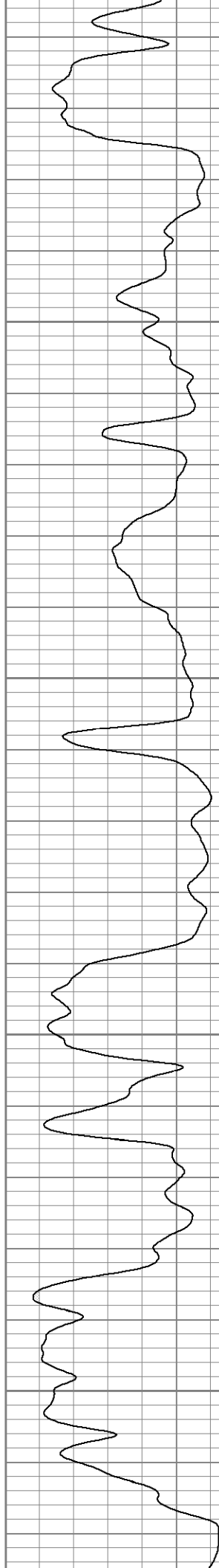


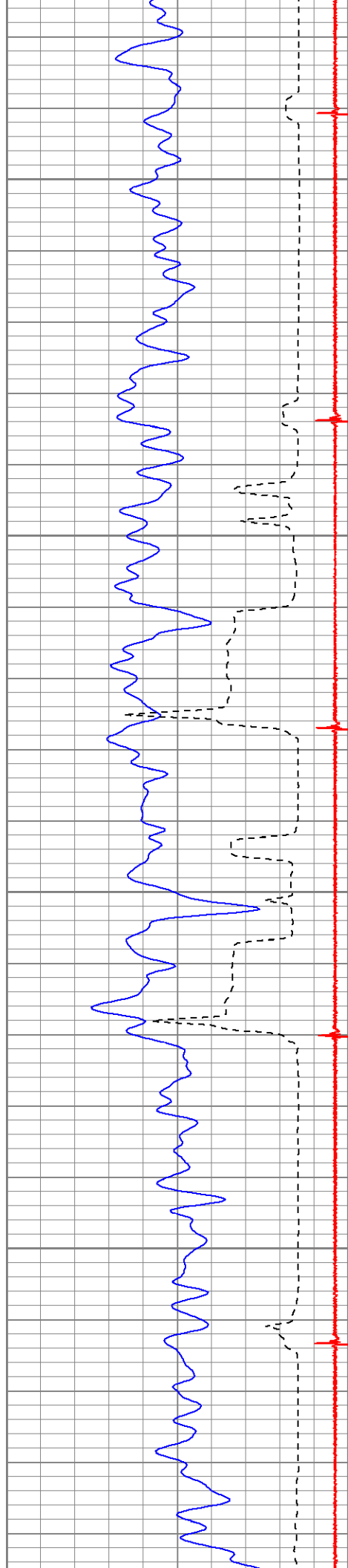
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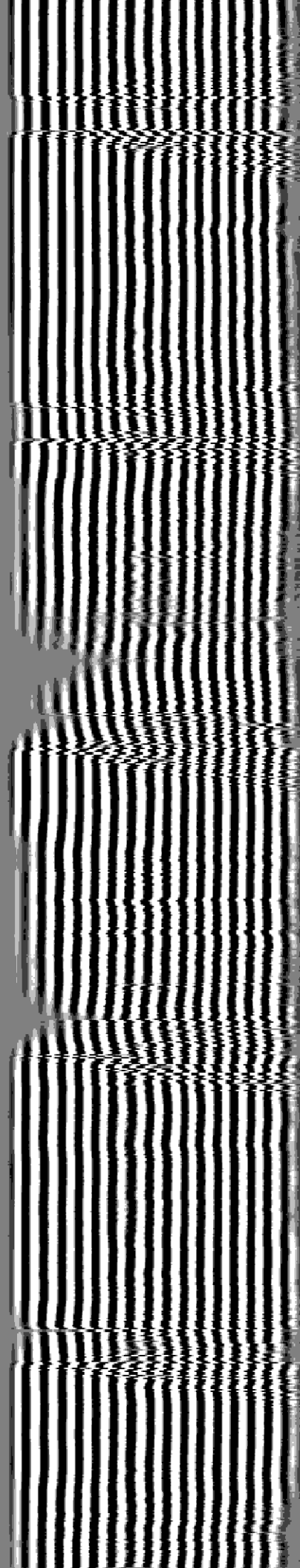
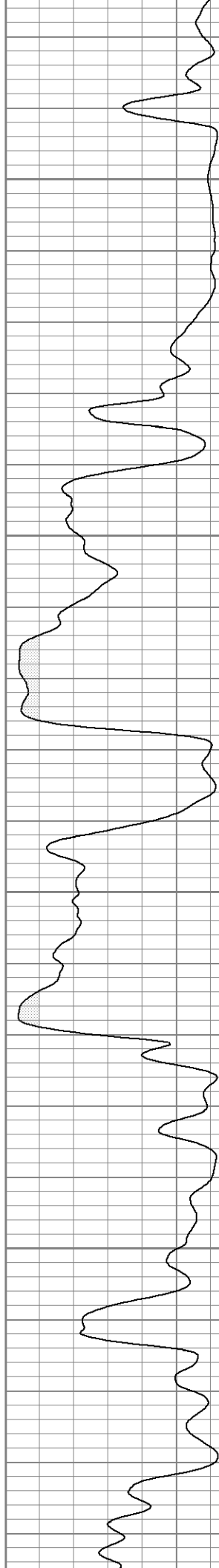


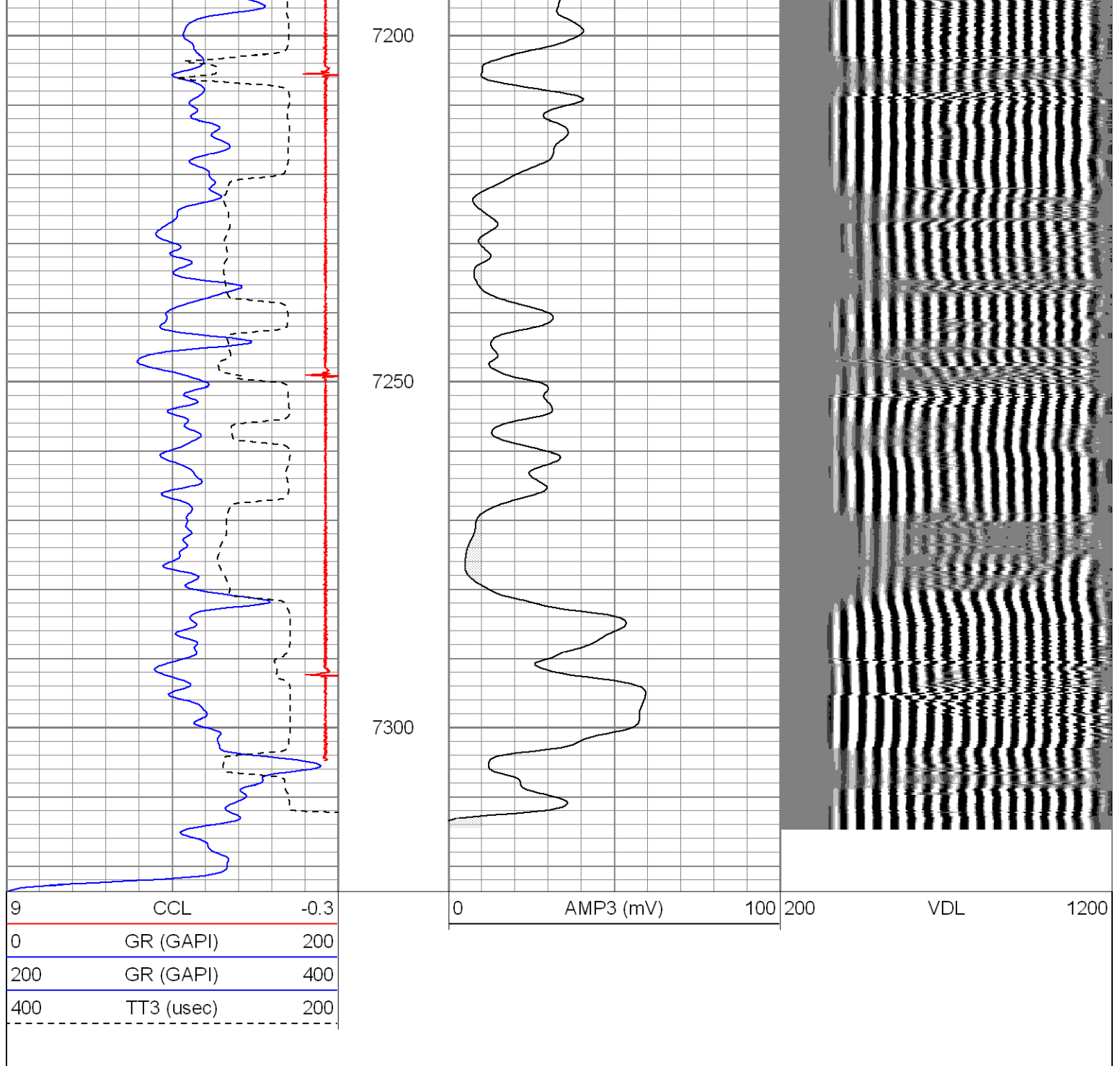
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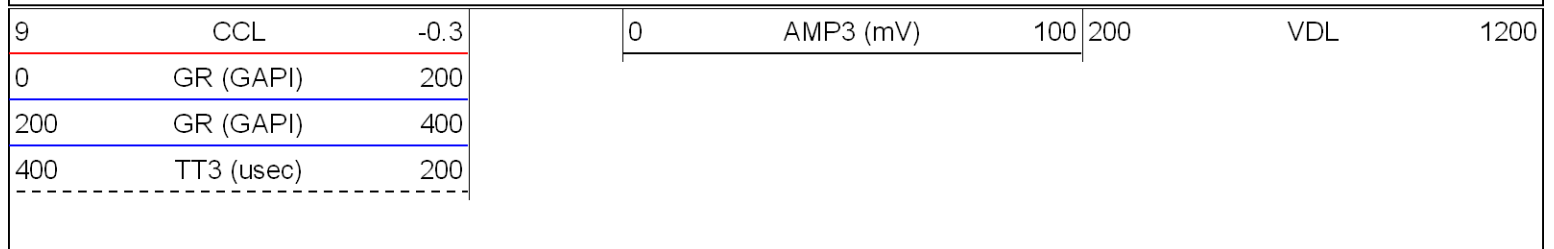
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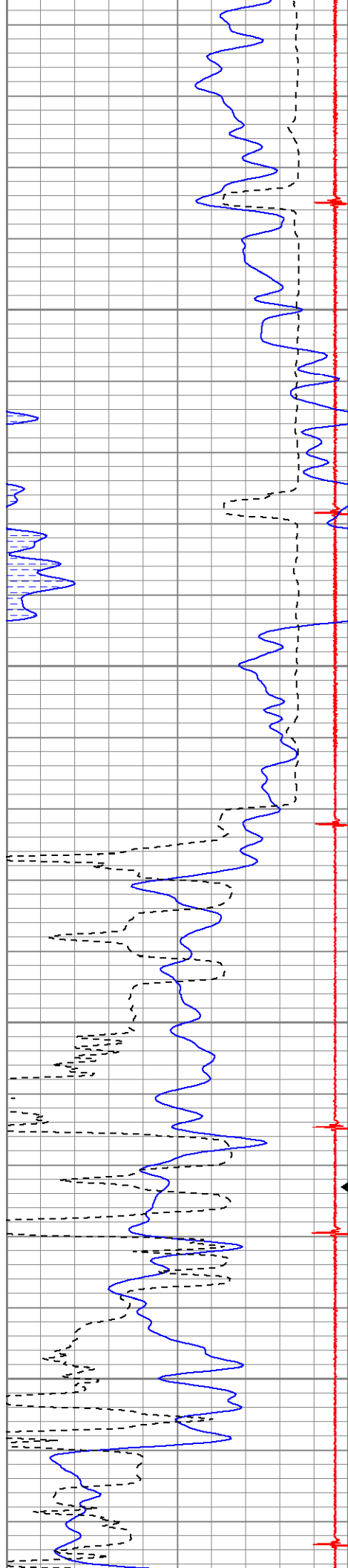
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Database File: bashor pc17-04cbl.db
Dataset Pathname: pass2
Presentation Format: cblsec
Dataset Creation: Thu Jul 15 11:10:24 2010 by Log Open-Cased 071220
Charted by: Depth in Feet scaled 1:240





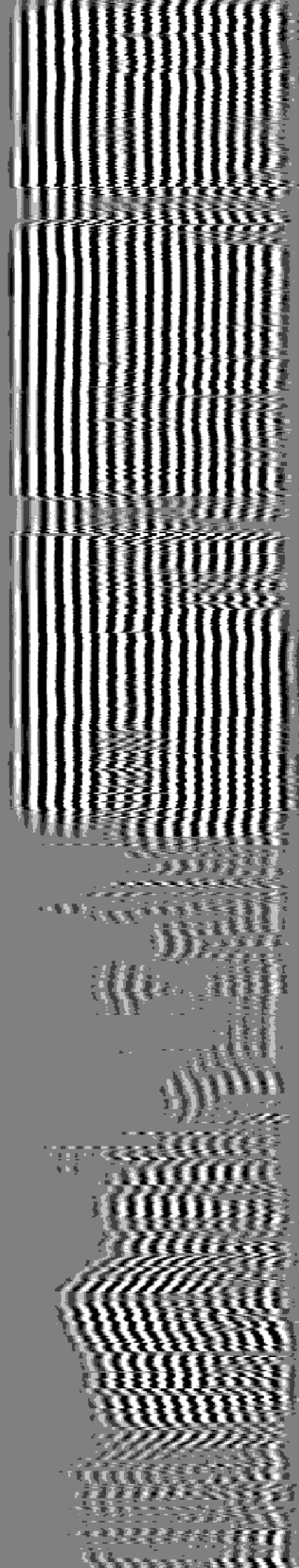
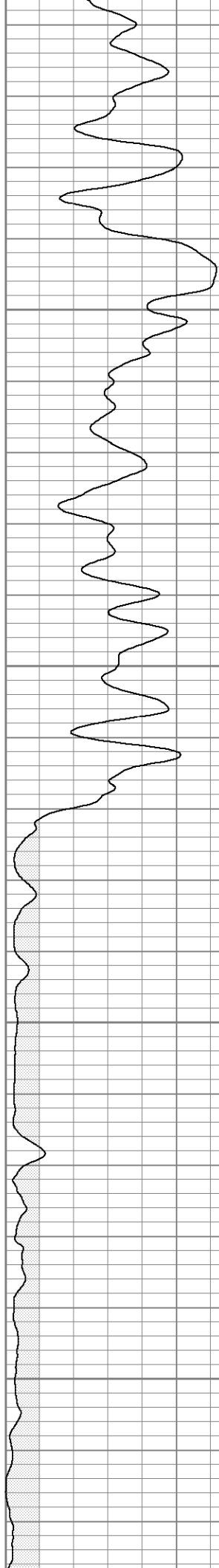
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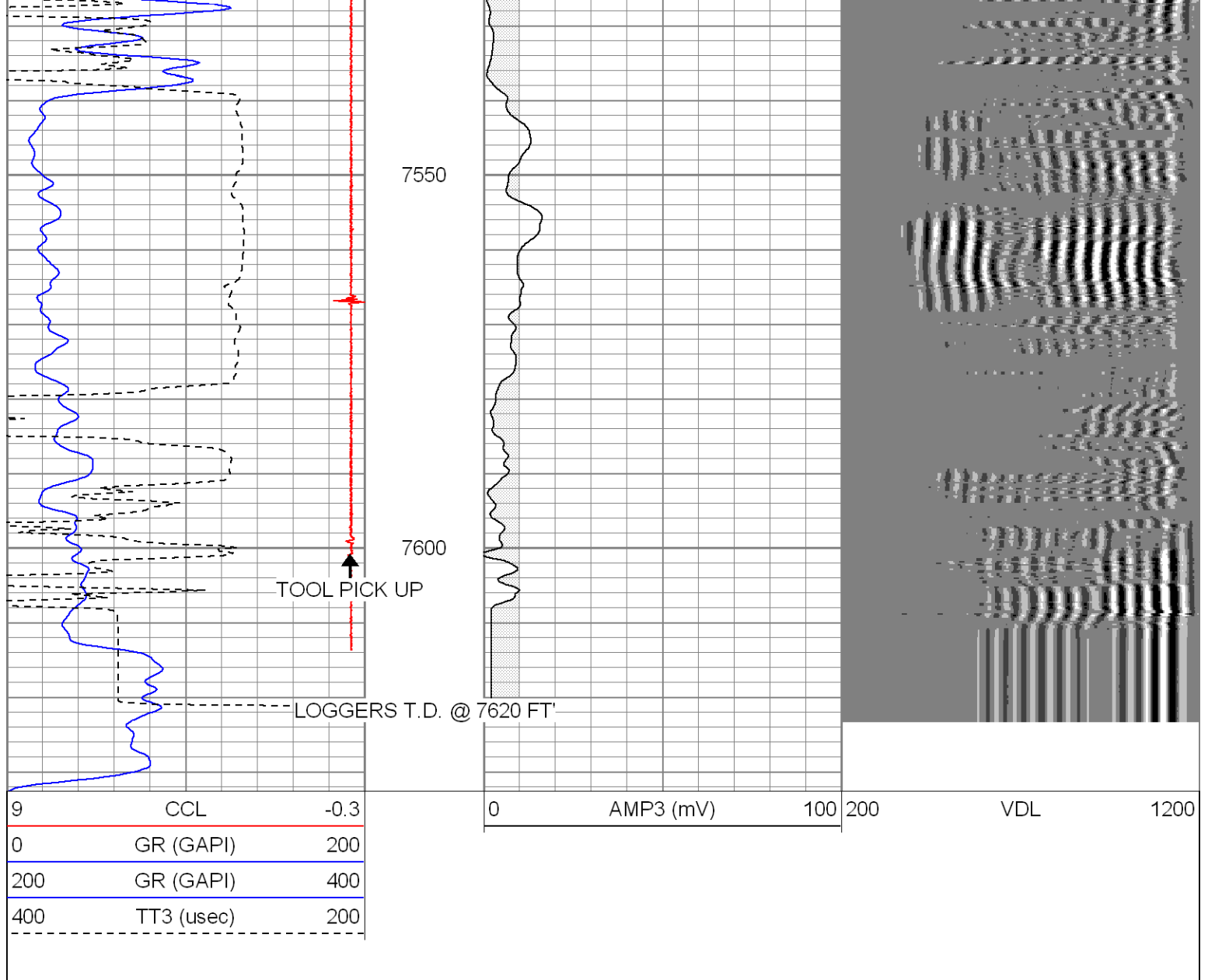
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FLAG

7500





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	18.73		CHD-STNDRD (1) Standard Cable Head	1.00	1.69	5.00
			CCL-T1-11/16 (1-11/16T) Titan 1-11/16 collar locator	1.83	1.69	20.00
			CENT-App2nd (1-11/16T) Another 1-11/16 Applied centralizer	2.17	1.69	10.00

