



GAMMA RAY
NEUTRON
CEMENT BOND
COMPLETION LOG

Company R & W ENERGIES
Well HELLMAN #14
Field THRALL - AGARD
County GREENWOOD State KANSAS

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Location: API # : 15-073-24219-00-00
1320' FSL & 2000' FWL
W/2 E/2 E/2 SW
SEC 14 TWP 24S RGE 9E
Permanent Datum G.L. Elevation 1180' EST
Log Measured From G.L.
Drilling Measured From N.A.

Elevation

K.B.

D.F.

G.L. 1180' EST.

Date	7-24-2014		
Run Number	1-NEWWELL		
Depth Driller			
Depth Logger	2232.4'		
Top Log Interval	SURFACE		
Bottom Logged Interval	2232.4'		
Fluid Level	FULL		
Type Fluid	WATER		
Production Casing	4.5" @ 2245.1'	8 5/8" @ 40'	@
Max. Recorded Temp.			
Estimated Cement Top			
Calculated Cement Top	32'		
Amount & Type Cement			
Amount & Type Admix			
Drilling Contractor	THREE RIVERS		
Equipment Number	107		
Location			
Recorded By	UDEN, D.		
Witnessed By	HOUGH, K.	BERENTZ, J.	RASMUSSEN, J.

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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

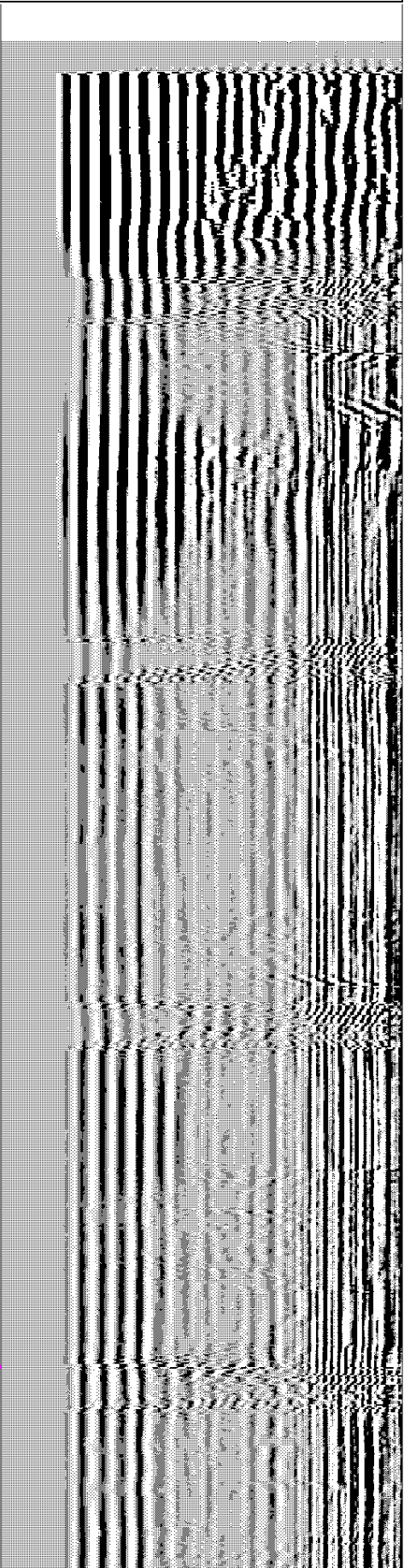
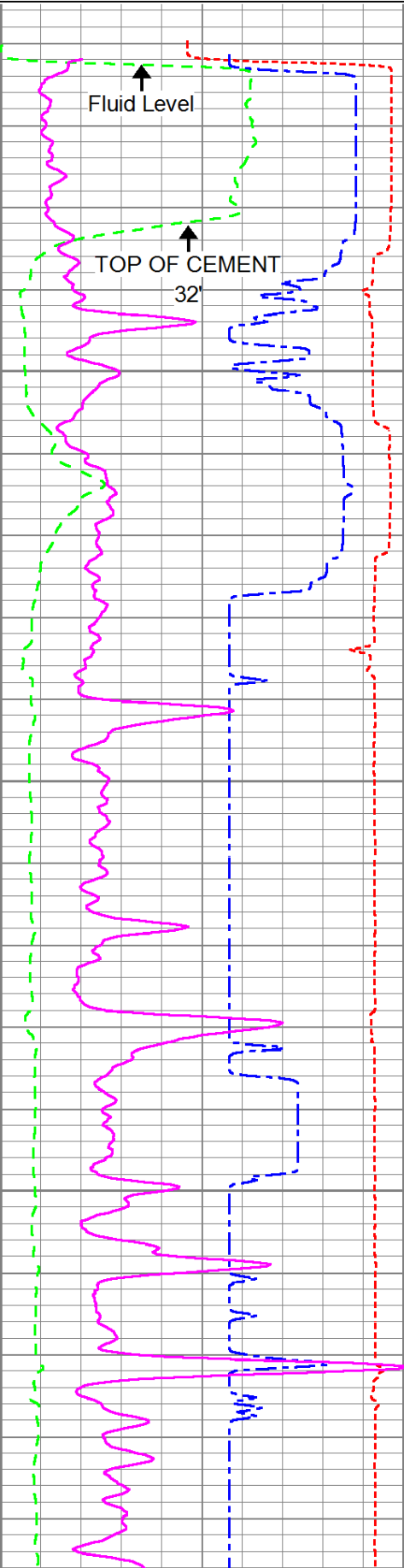
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

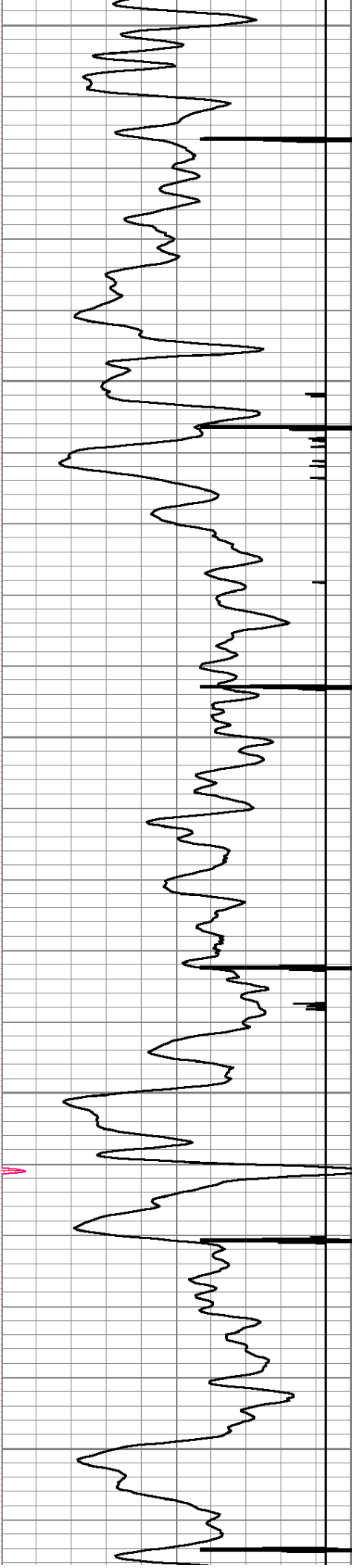
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0	Gamma Ray	150
150	gr	300
13	CCL	-1

0	Amplitude (mV)	150
1200	TT3FT (usec)	200
1500	TT5FT (usec)	200
50	NEU	950

200	VDL	1200
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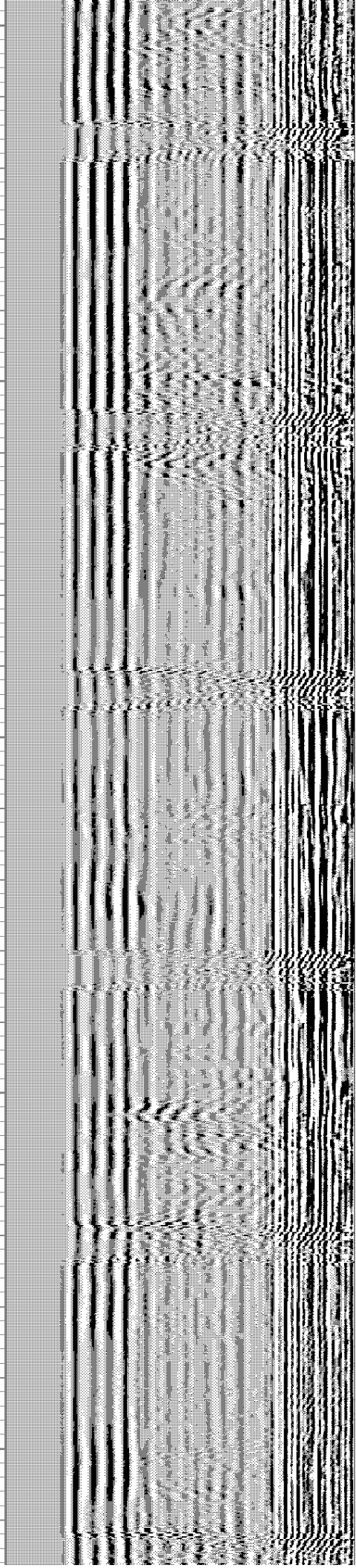
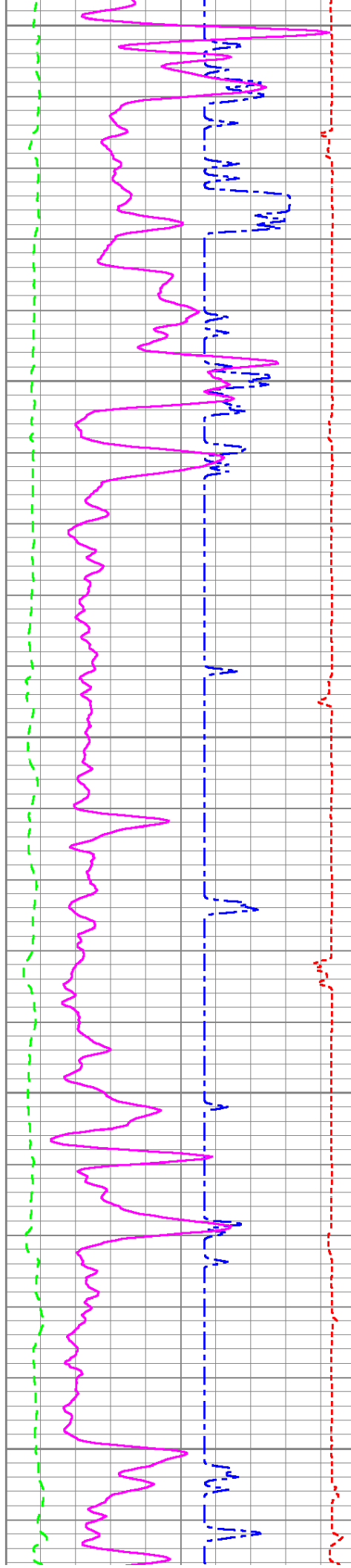
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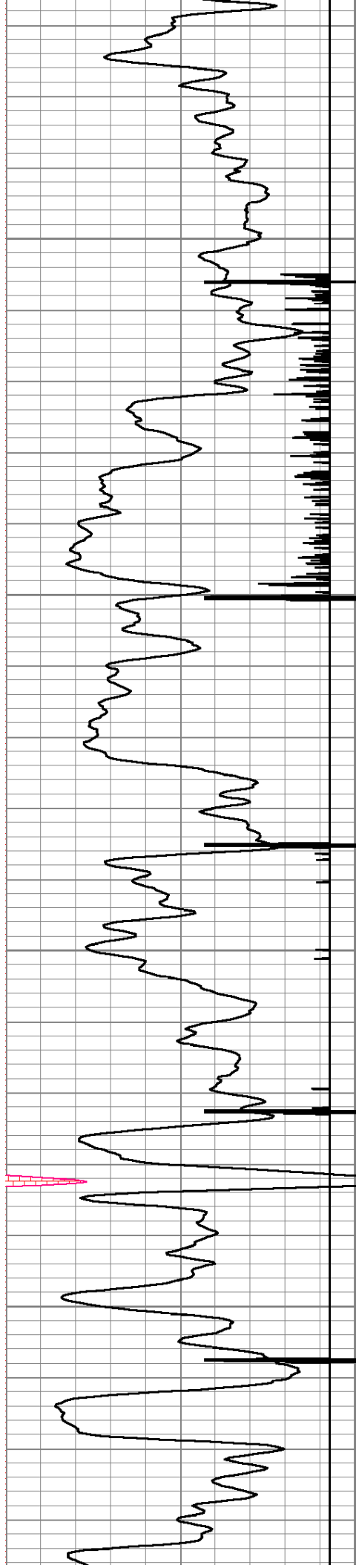
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300

350

400



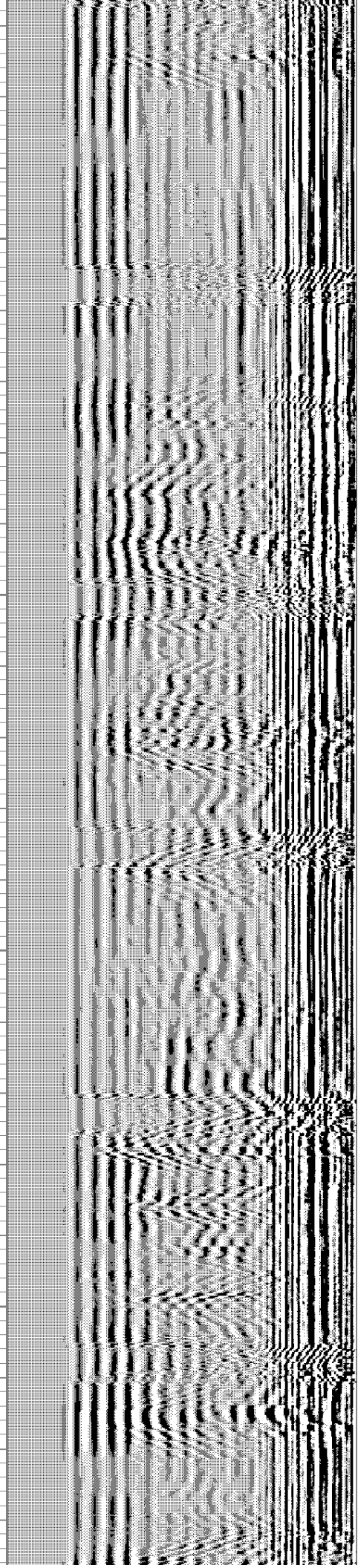
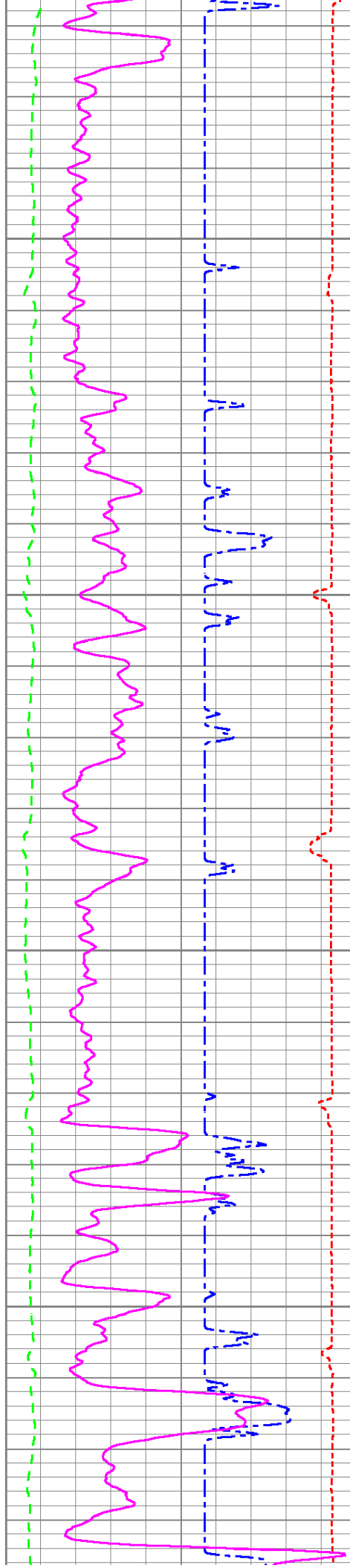


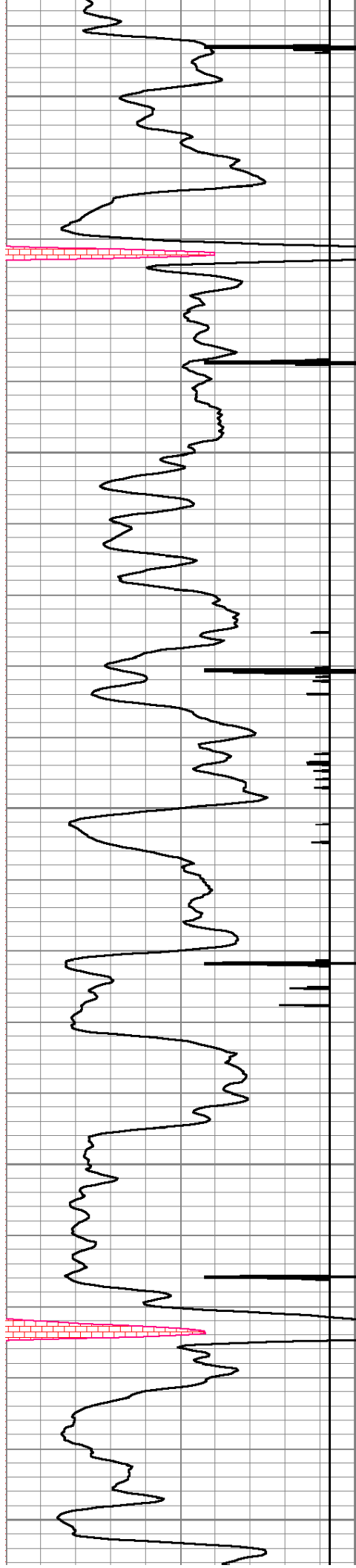
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500

550

600





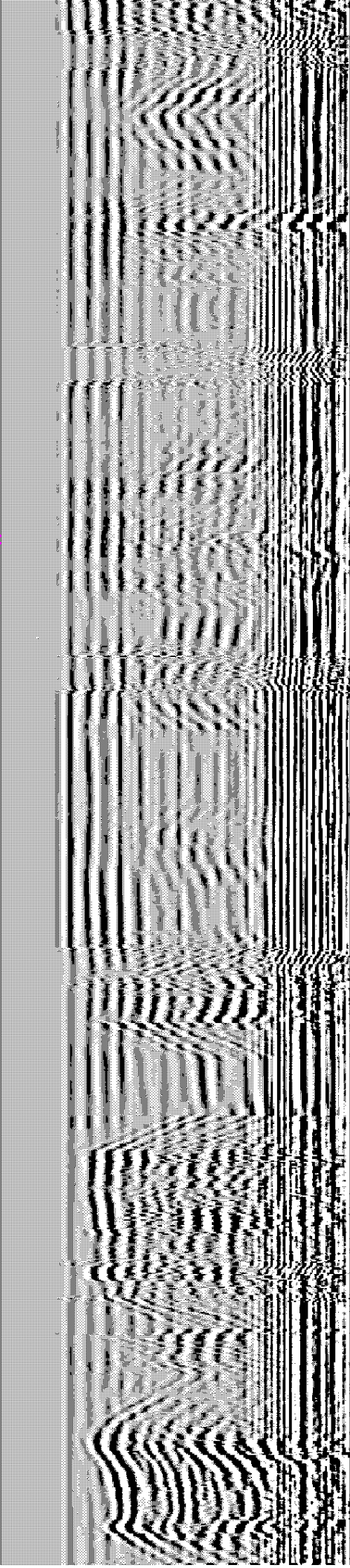
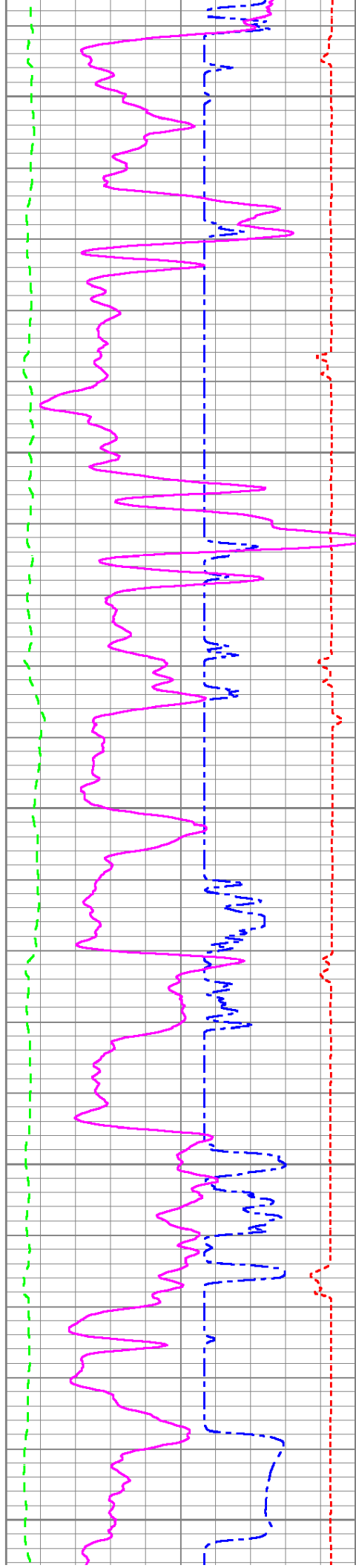
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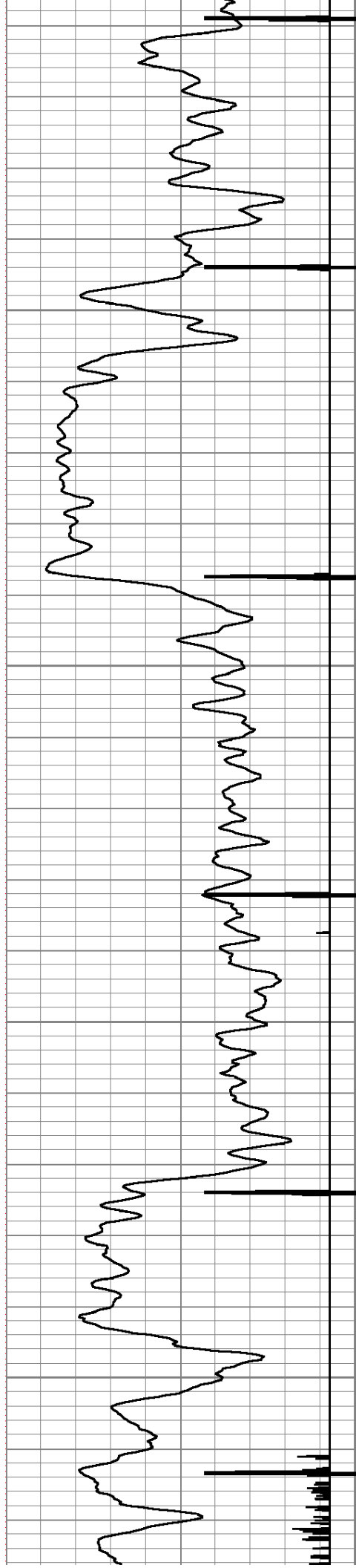
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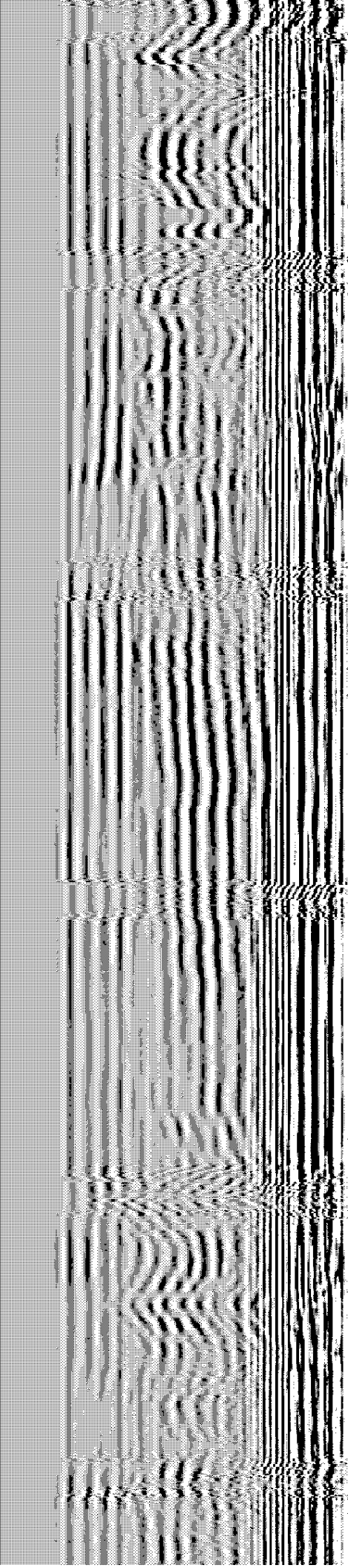
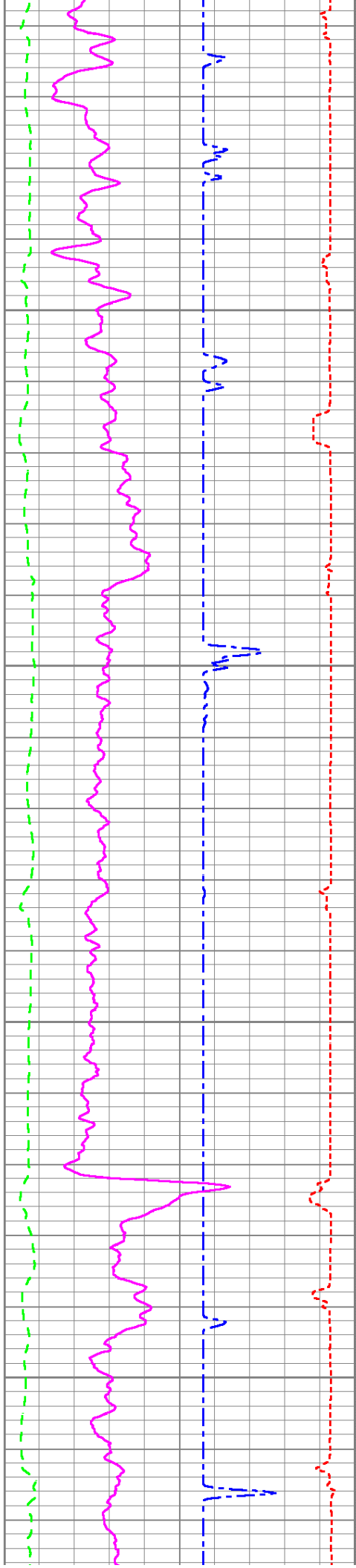


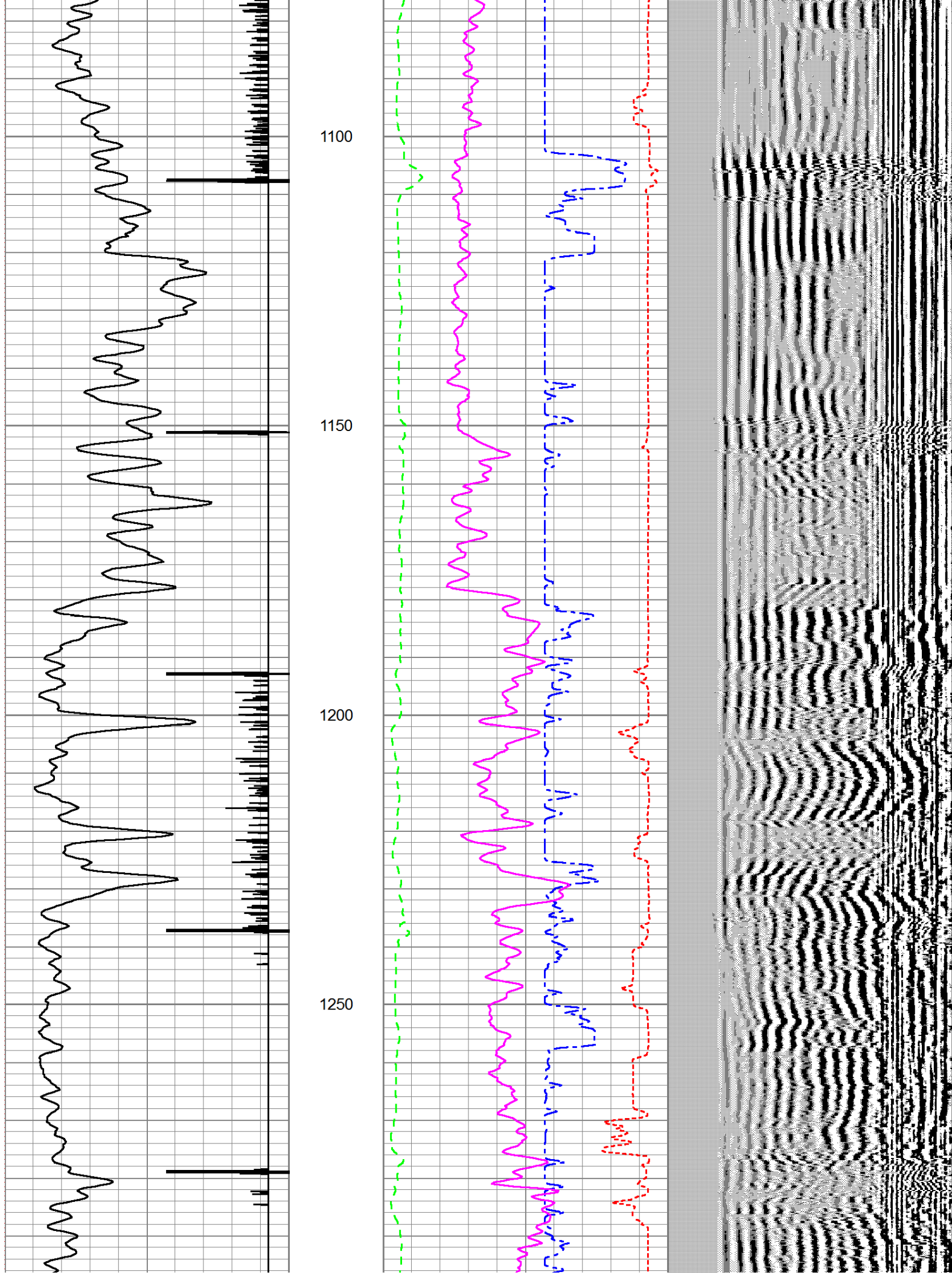
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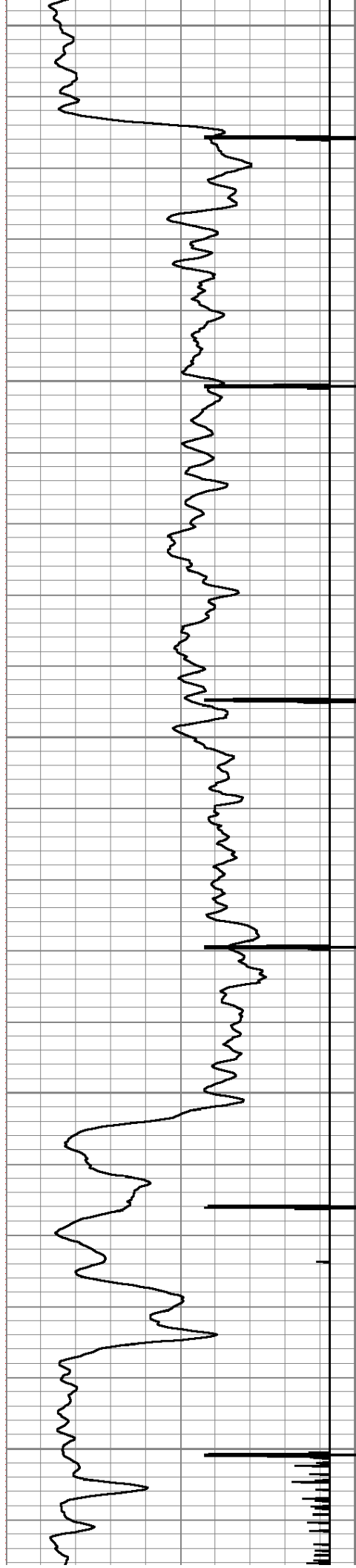
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1000

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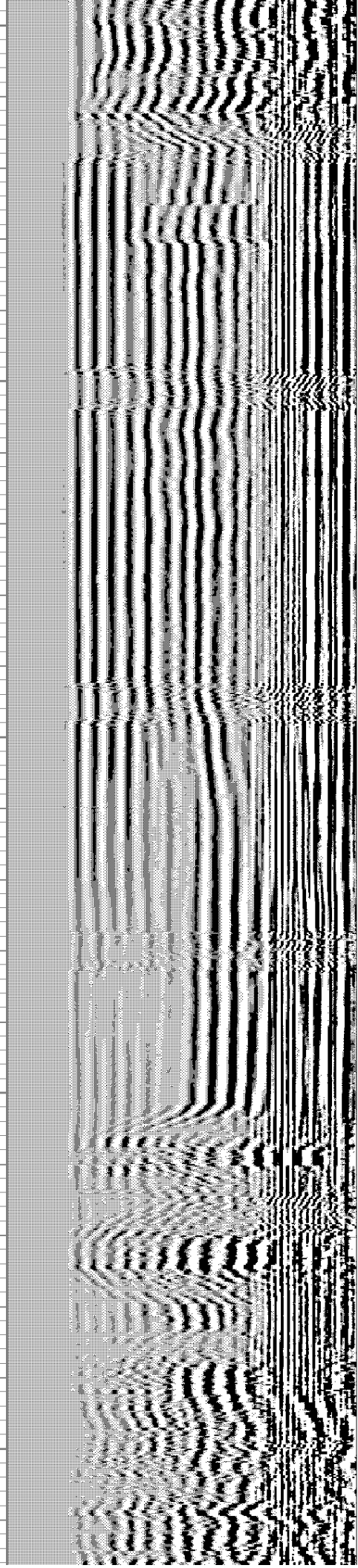
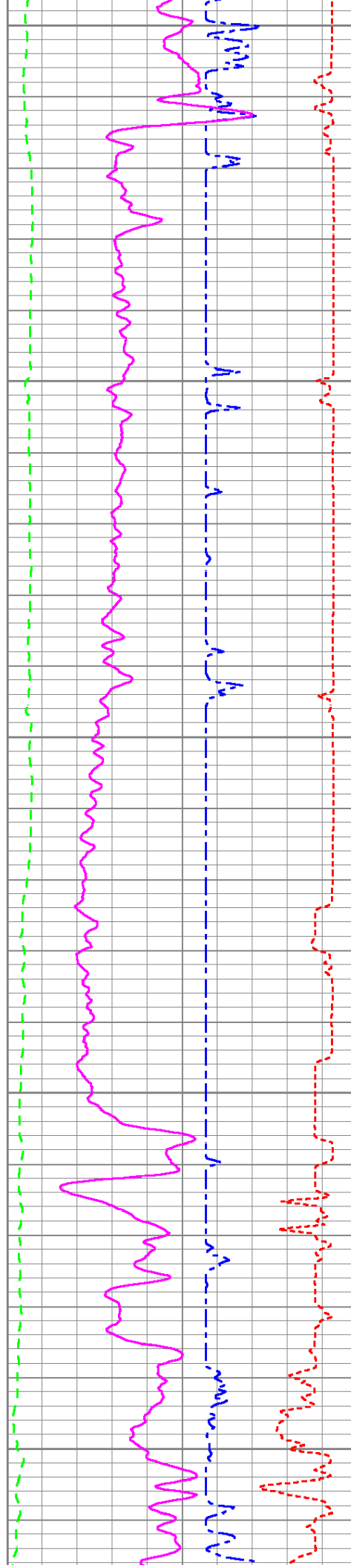
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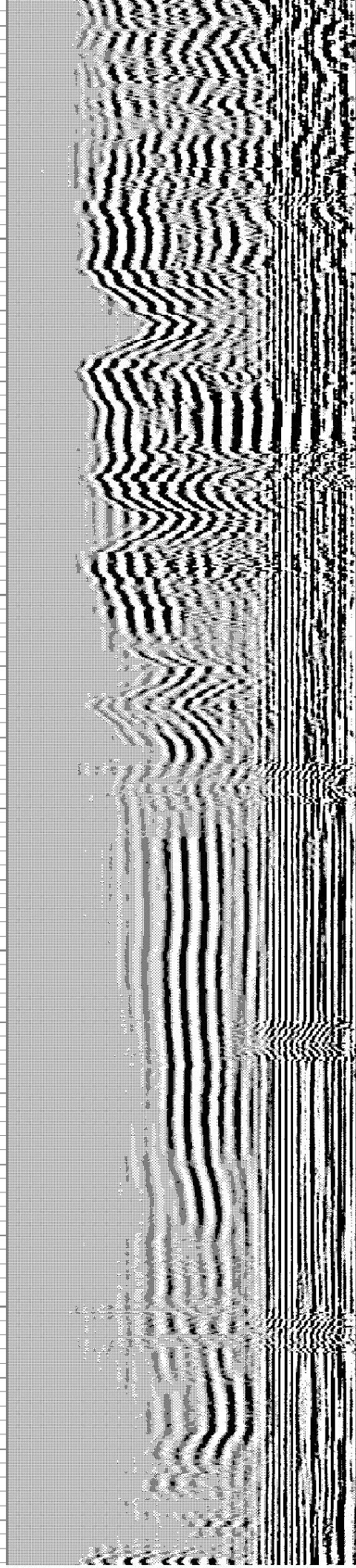
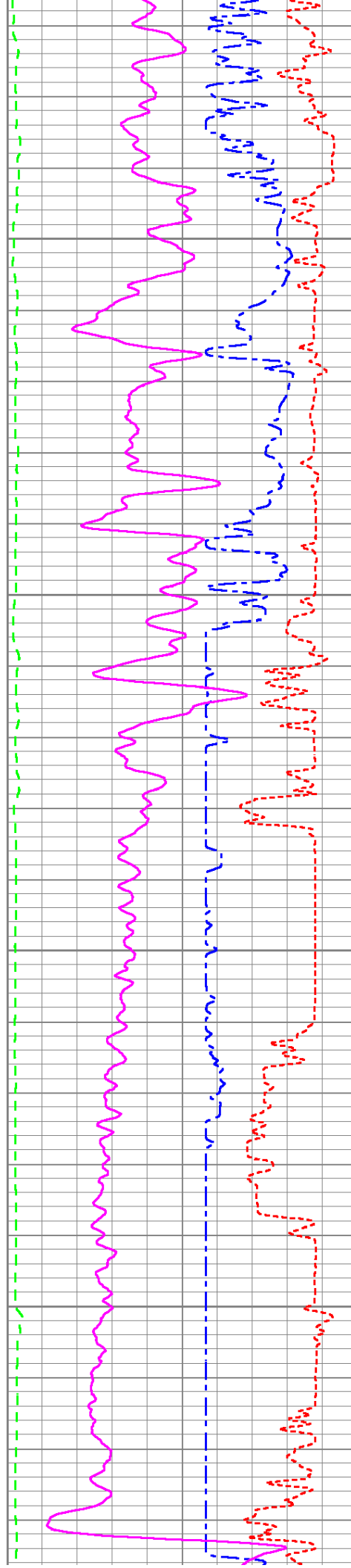


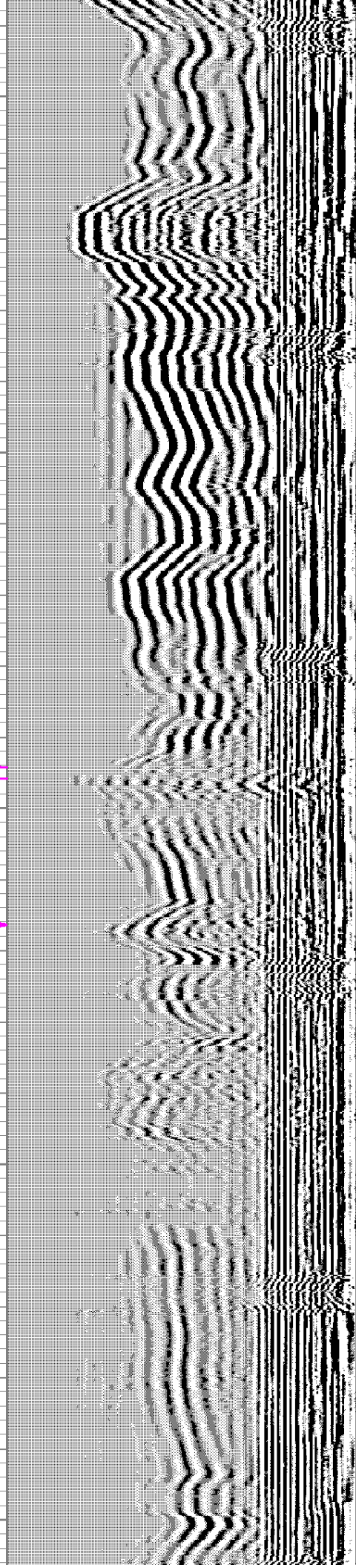
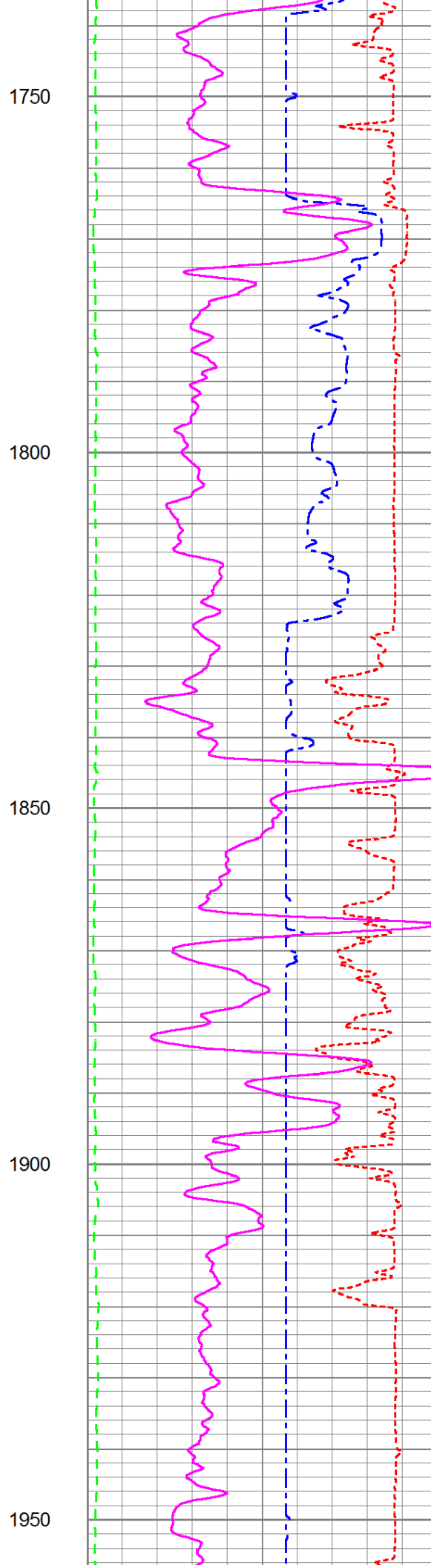
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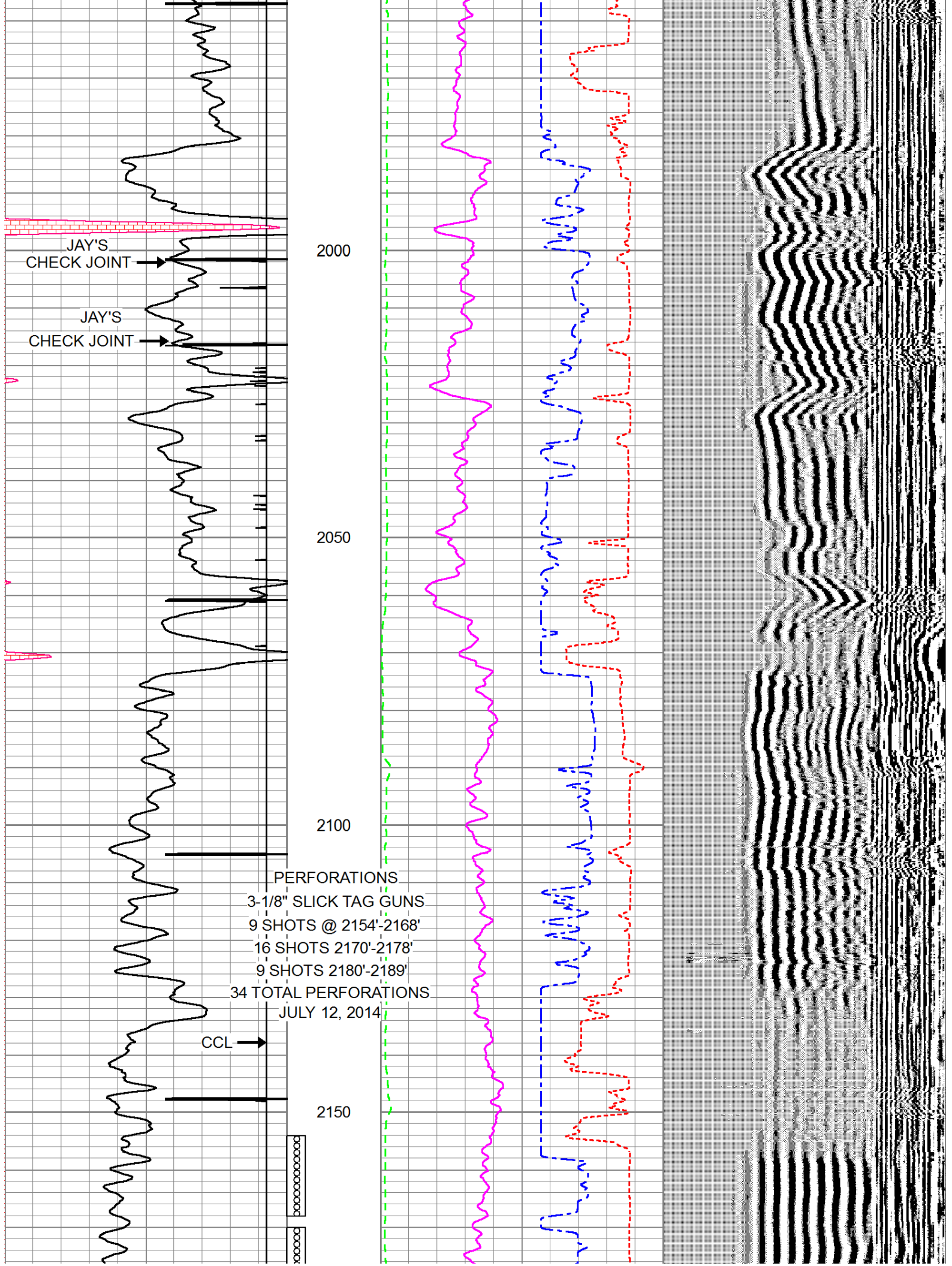
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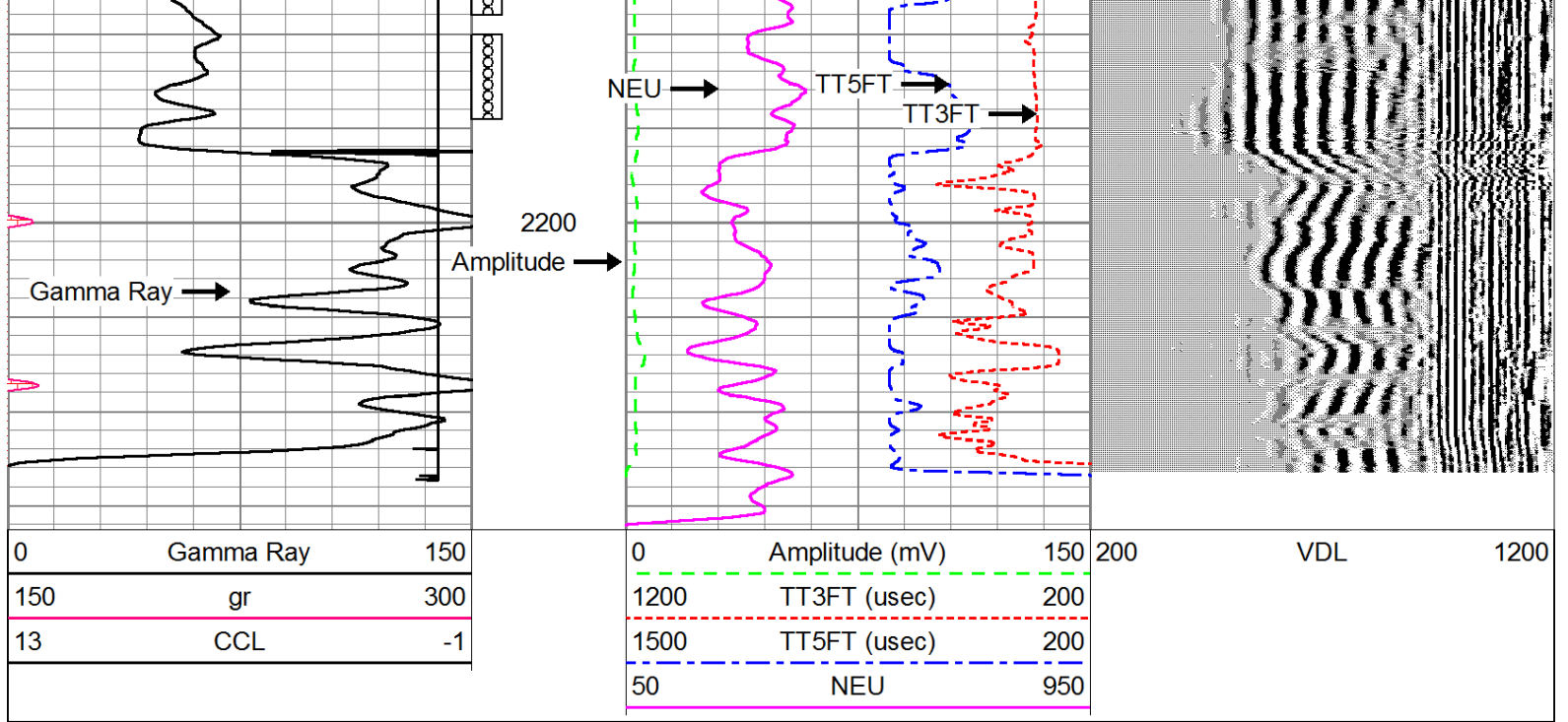
1650

1700









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