

# PACIFIC SURVEYS

## SONIC VELOCITY VARIABLE DENSITY

Job No. 16247  
 Company US GEOLOGICAL SURVEY  
 Well SDHF  
 Field SAN DIEGO  
 County SAN DIEGO  
 State CA

Location: 3917 FEDERAL BLVD  
 GPS: N 32o 43.139' W 117o 06.587'  
 Sec. Twp. Rge.  
 Other Services: GRILL3 ELOG CALIPER

Permanent Datum	G.L.	Elevation	Elevation
Log Measured From	G.L.	above perm. datum	K.B. D.F. G.L.
Drilling Measured From	G.L.		
Date	11-05-2011		
Run Number	ONE		
Depth Driller	1640'		
Depth Logger	1640'		
Bottom Logged Interval	1640'		
Top Log Interval	0'		
Casing Driller	N/A		
Casing Logger	N/A		
Bit Size	8.75" TO 480'	8.5" TO 990'	7.875" TO 1640'
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	4.8 @ 77F		
Rmf @ Meas. Temp	5.9 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	2.5 HRS		
Time Logger on Bottom	1845		
Max. Recorded Temperature	N/A		
Equipment Number	PS-3		
Location	LA		
Recorded By	SCHUMACHER		
Witnessed By	A. BROWN		

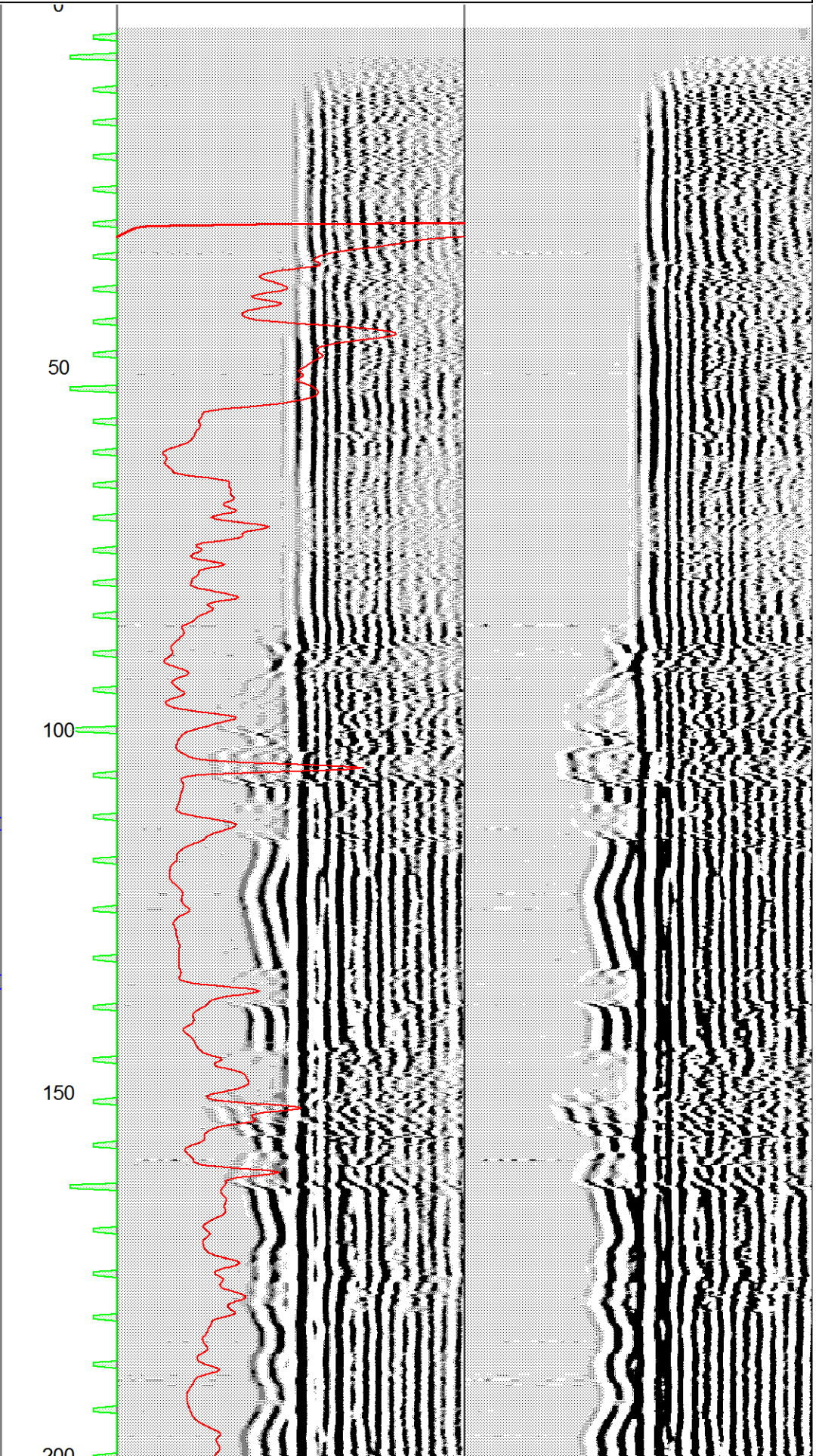
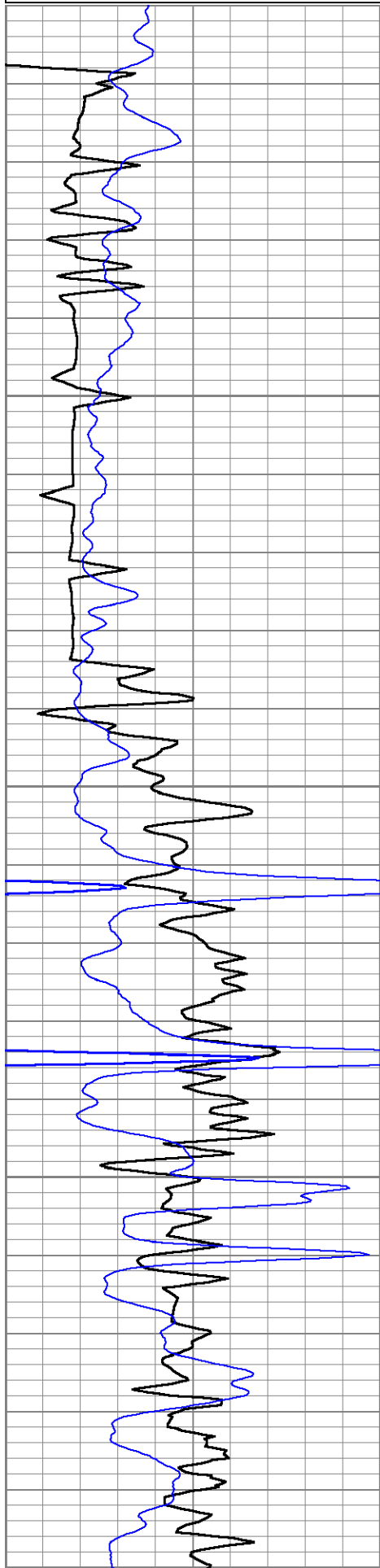
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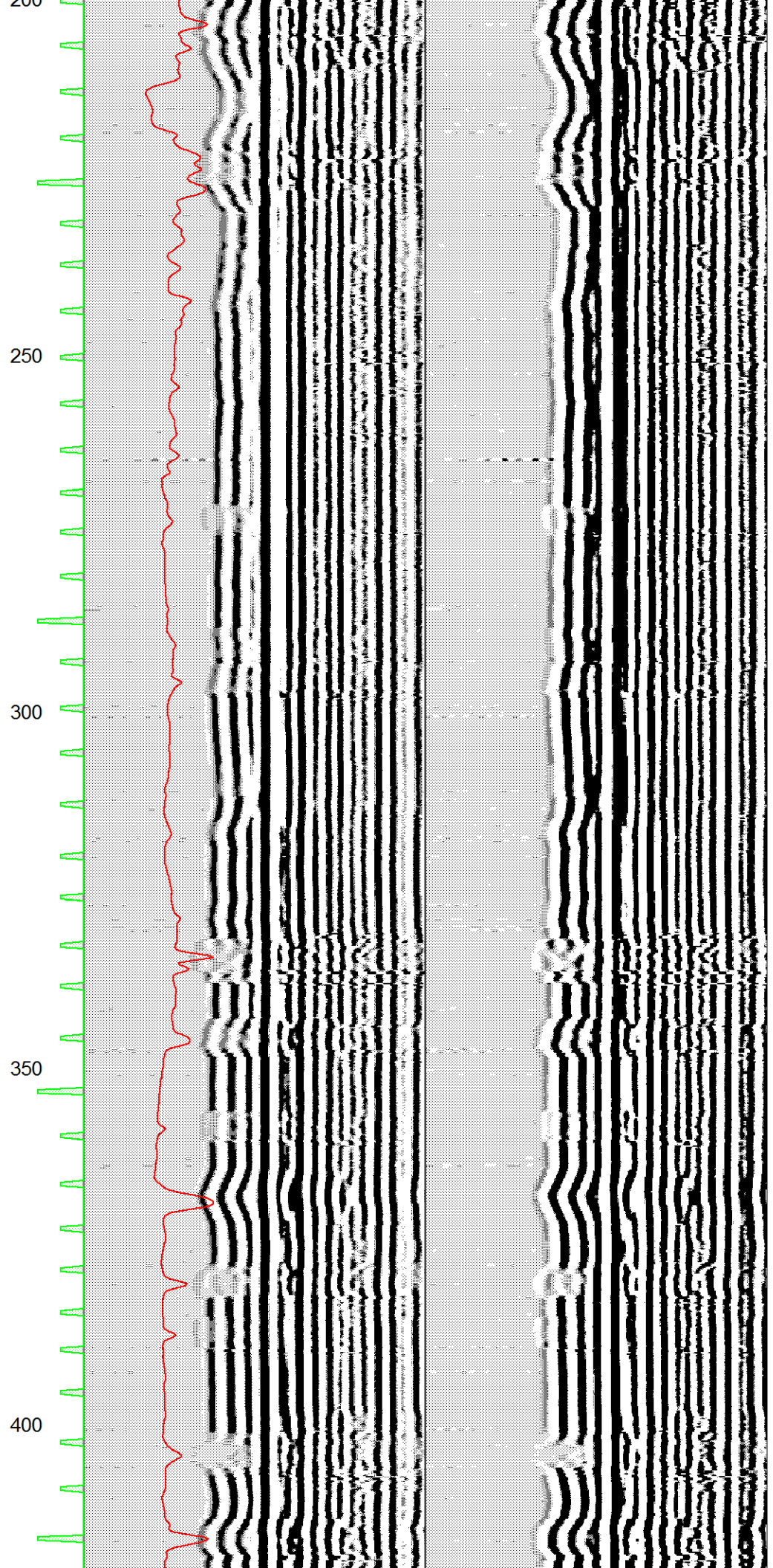
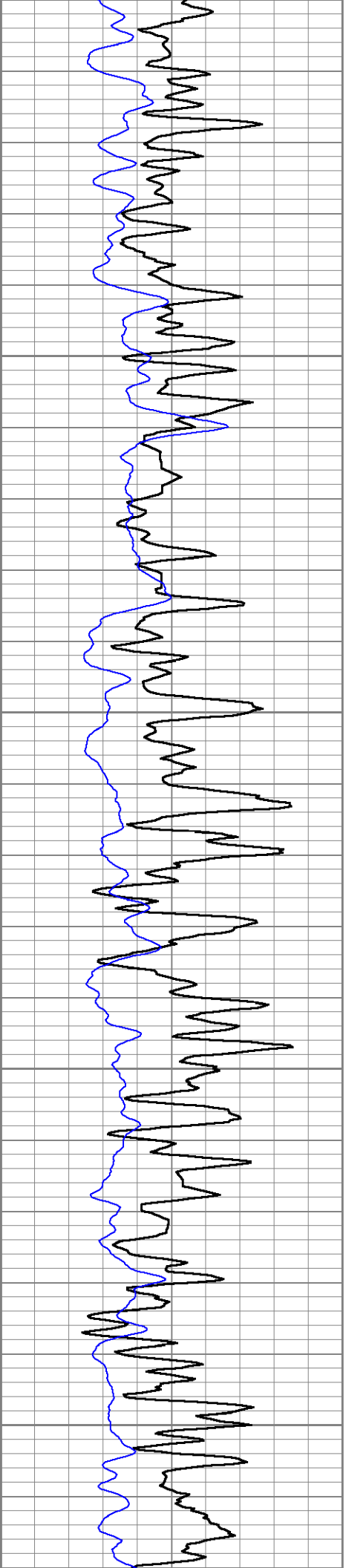
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

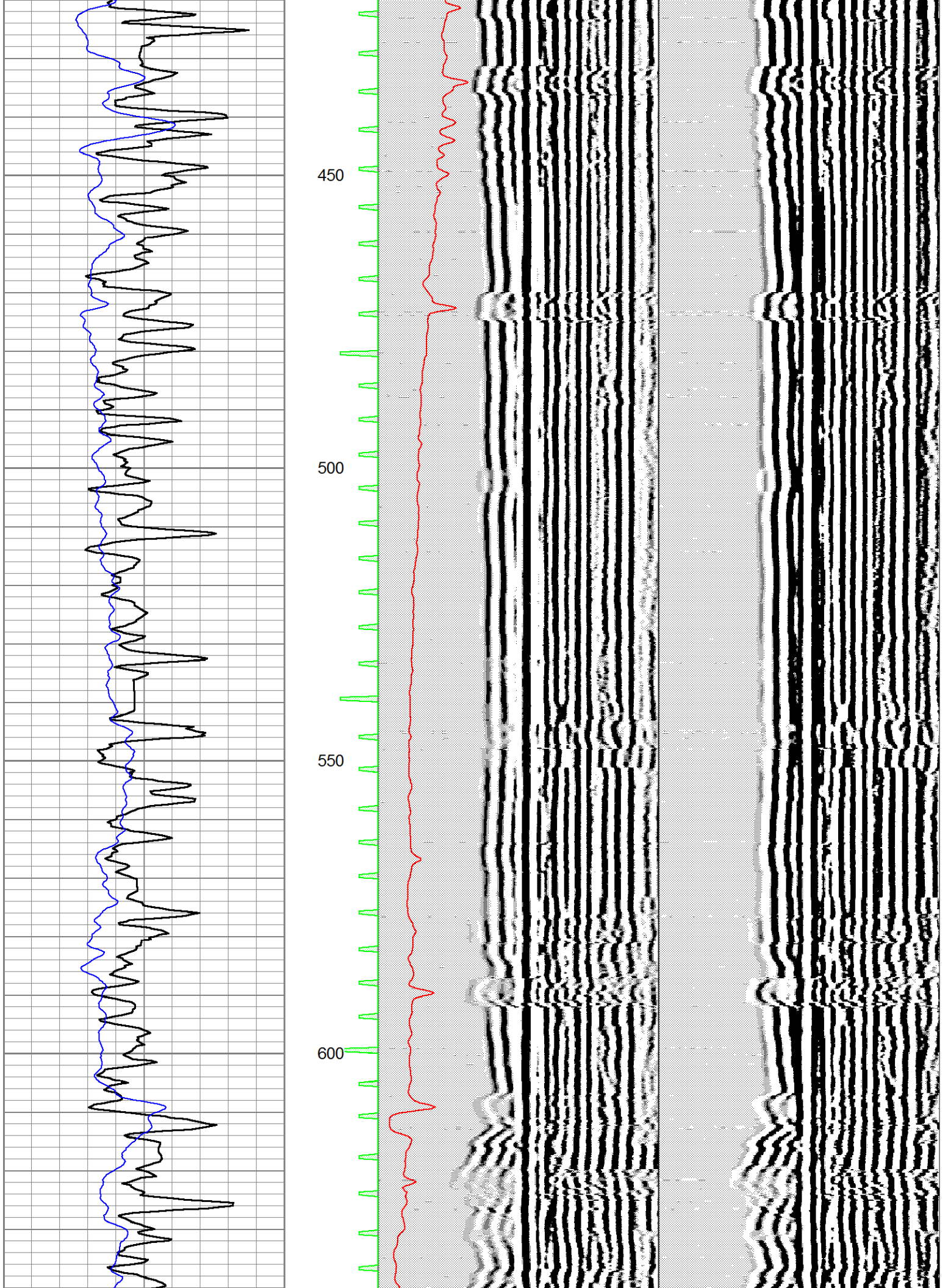
Database File: 16247.db  
 Dataset Pathname: SNC  
 Presentation Format: slt  
 Dataset Creation: Sat Nov 05 21:46:27 2011 by Log Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

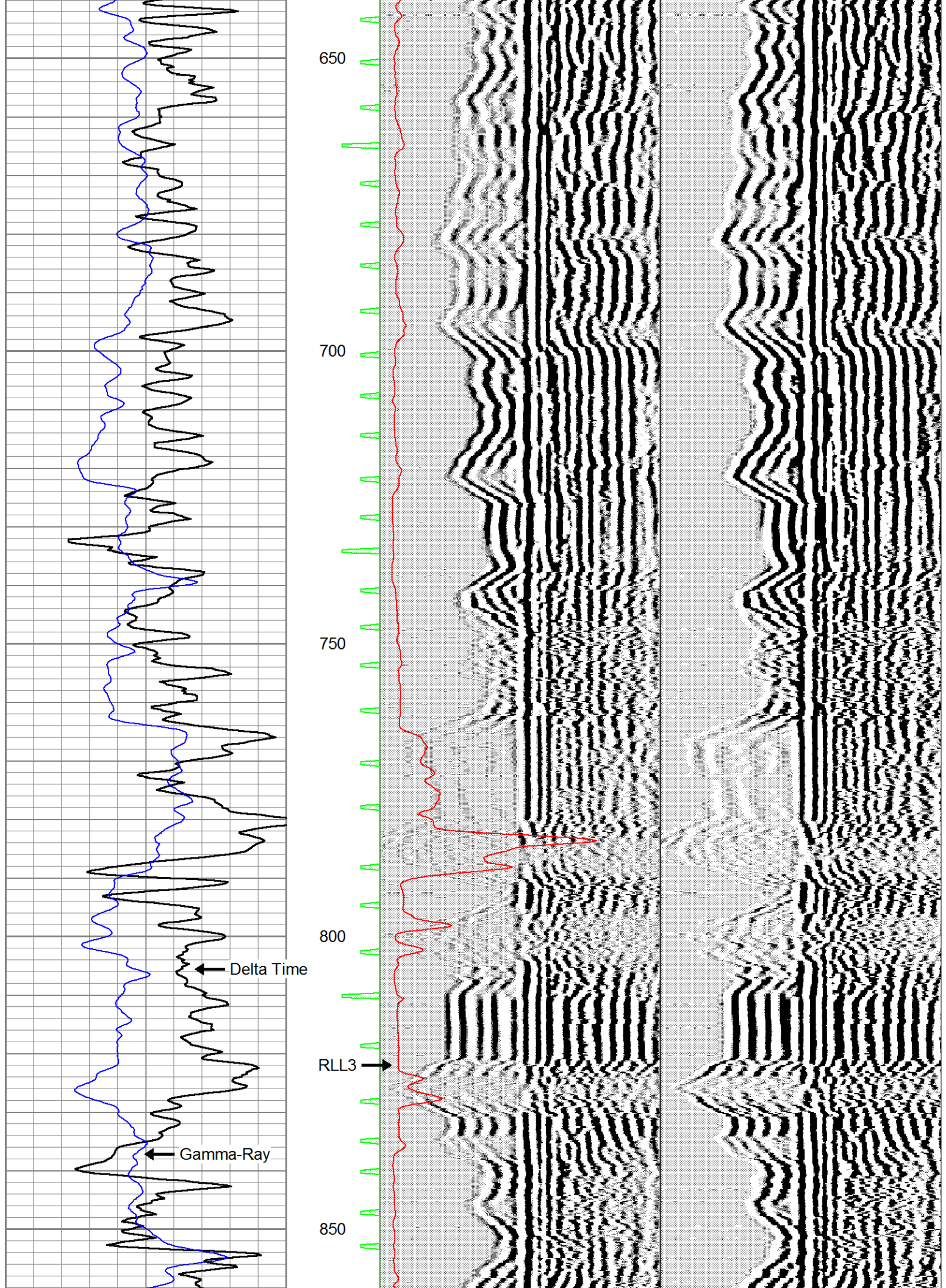
260	Delta Time (usec/ft)	60	ITT	500	Variable Density 5 ft	1600	500	Variable Density 5 ft	1600
0	Gamma-Ray (GAPI)	200	5 (msec)	0	RLL3 (Ohm-m)	100			
200	GR back-up (GAPI)	400			RLL3 back-up (Ohm-m)	1000			



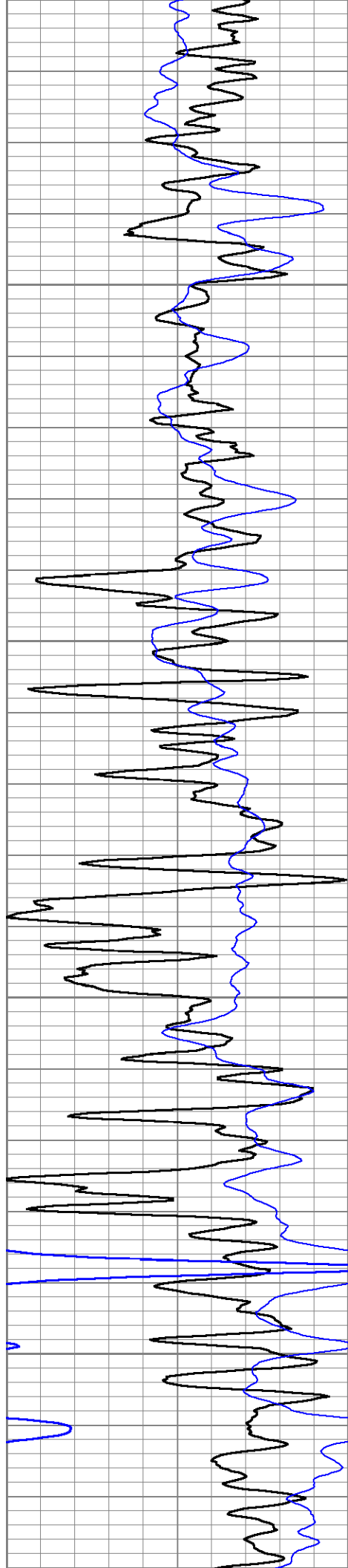










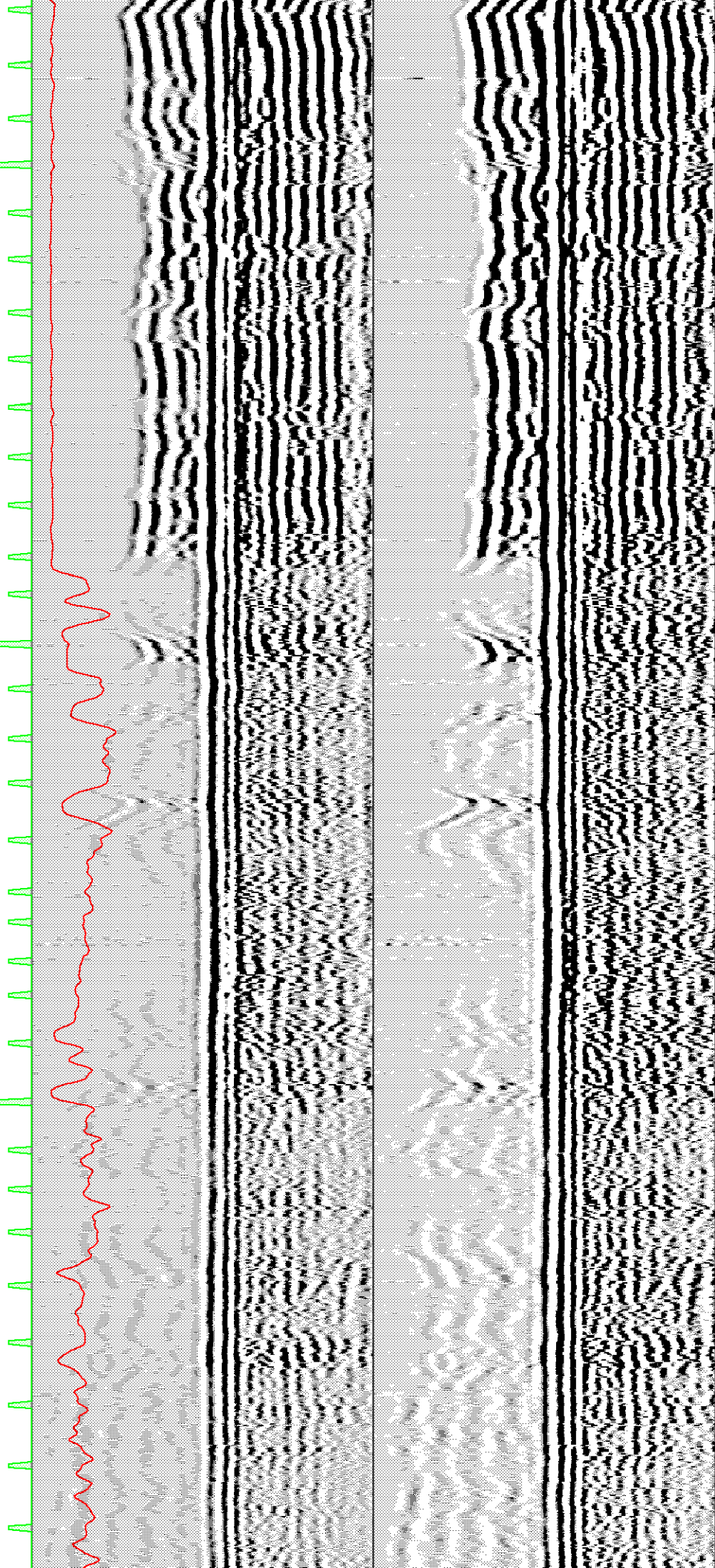


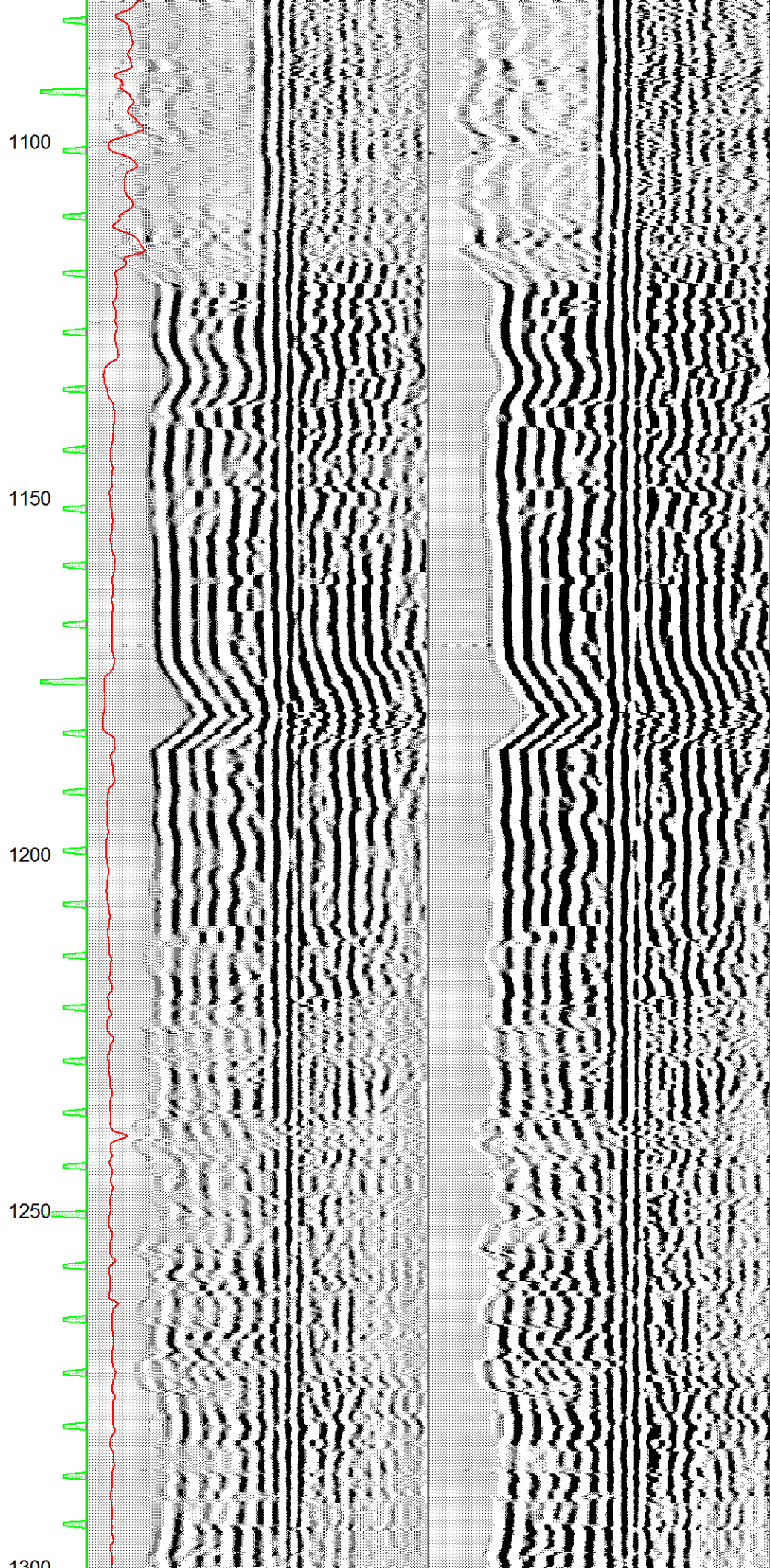
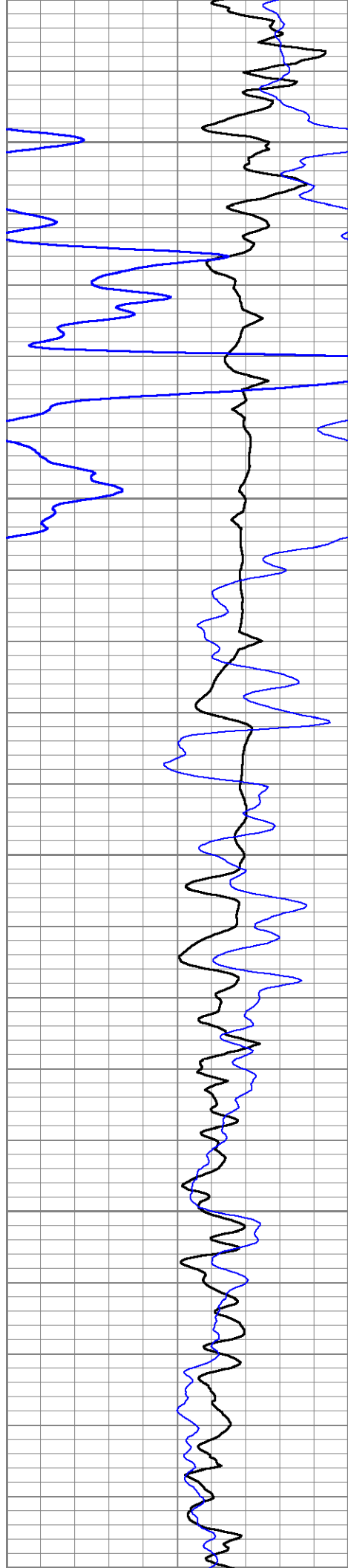
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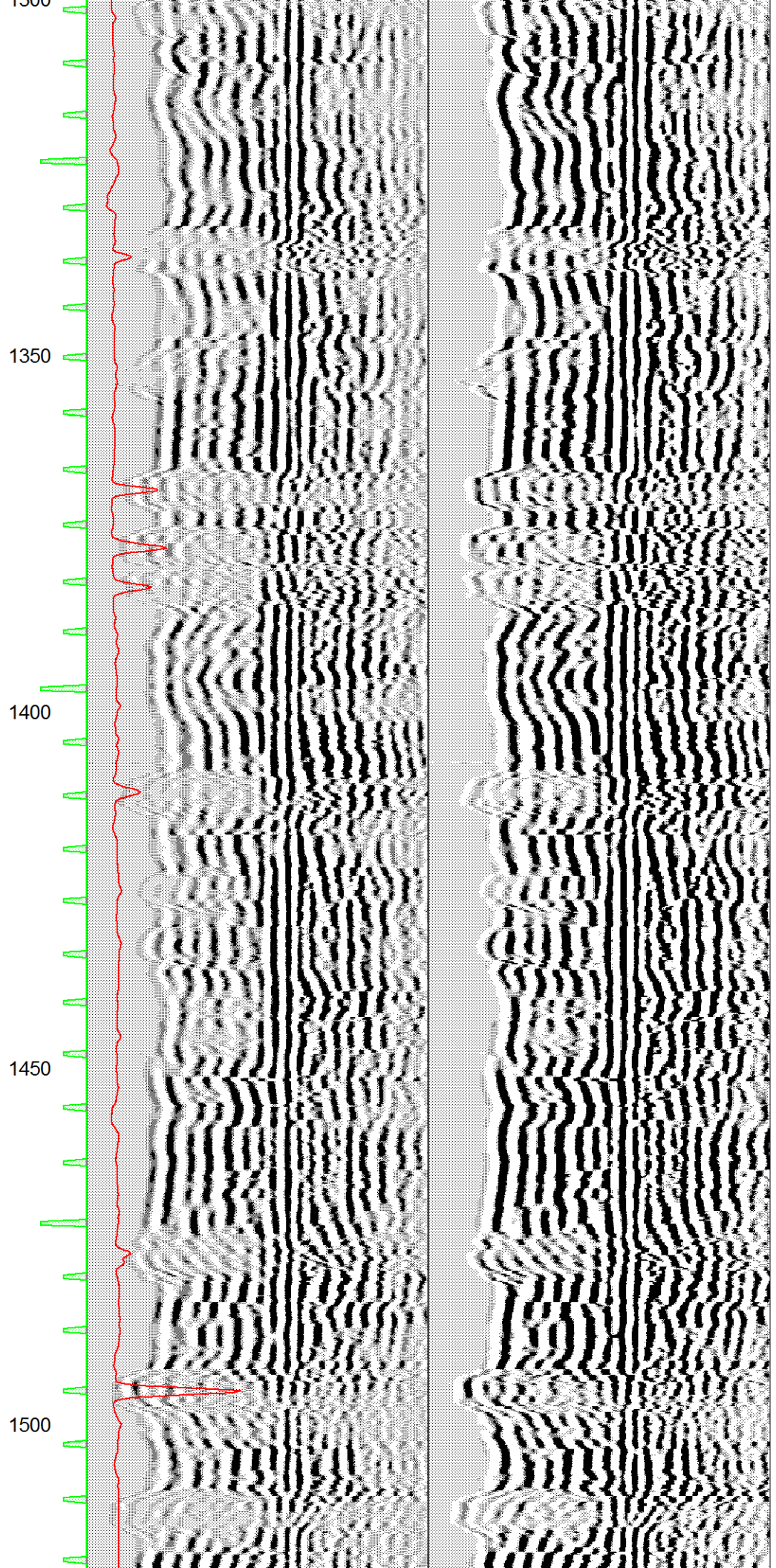
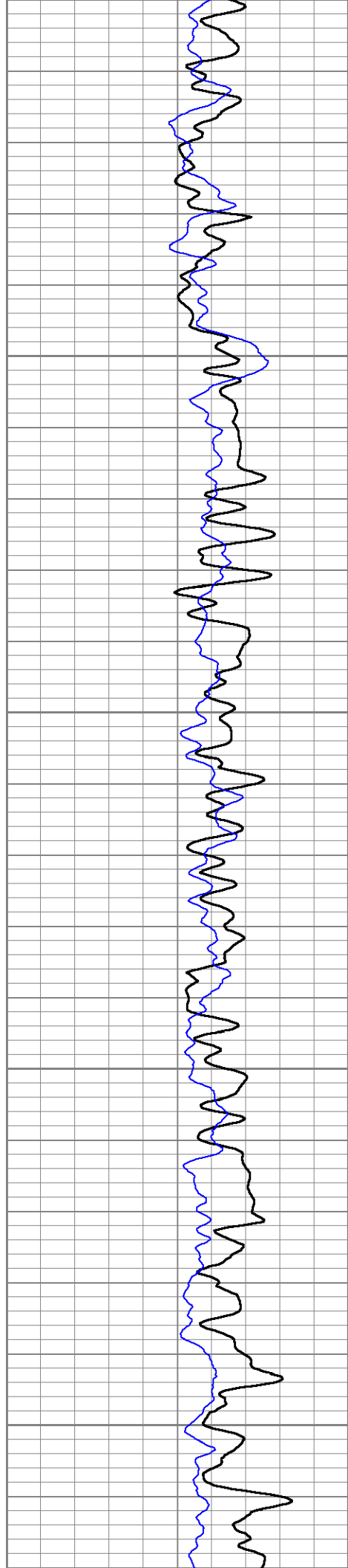
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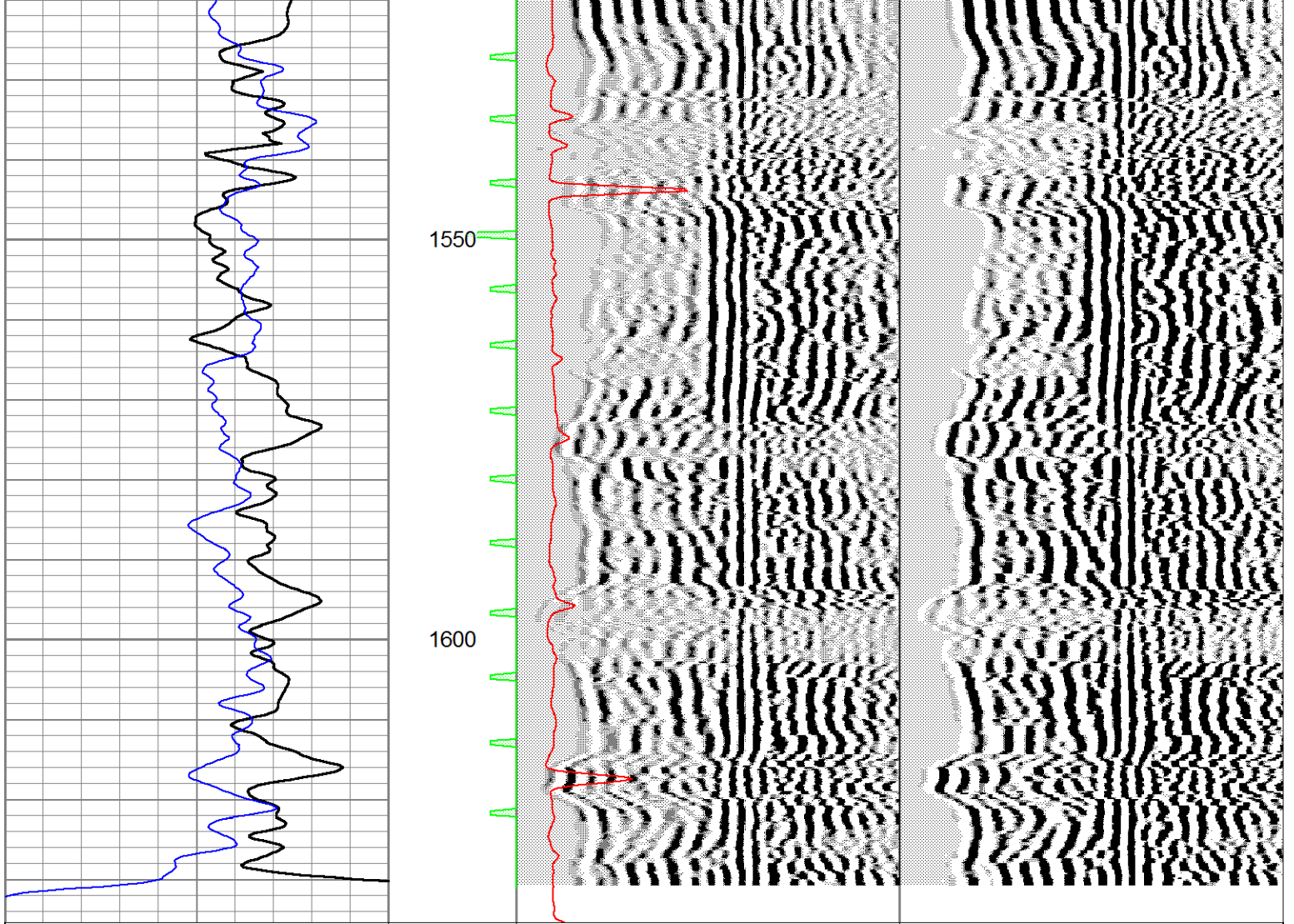












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