



CEMENT BOND LOG VDL & CCL GAMMA-RAY

Company BILL BARRETT CORP.
Well KUNSEMILLER 05-61-21-0108BH
Field NE WATTENBERG
County WELD
State COLORADO

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Location: API #: 05123382110000
SHL: 1271' FNL & 301' FWL
NMWV
SEC 21 TWP 5N RGE 61W
Permanent Datum GL Elevation 4641
Log Measured From KB
Drilling Measured From KB
Other Services
NONE
Elevation
K.B. 4657
D.F. 4656
G.L. 4641

Date	JANUARY 11, 2014
Run Number	ONE
Depth Driller	10078
Depth Logger	5646
Bottom Logged Interval	5645
Top Log Interval	SURFACE
Open Hole Size	8-3/4"
Type Fluid	WATER
Density / Viscosity	8.33 / 32
Max. Recorded Temp.	209 F
Estimated Cement Top	570
Time Well Ready	ROA
Time Logger on Bottom	1400
Equipment Number	24
Location	FT. MORGAN
Recorded By	LEROY HOBBS
Witnessed By	JOHNNY DAMRON
SHAUN SCHUMAN	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record		Size		Wgt/Ft		Top	Bottom
Surface String		9.625"		36#		SURFACE	NA
Prot. String		7"		26#		SURFACE	NA
Production String							
Liner		4.5"		11.6#		5605	10078

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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

+15' CORRECTION TO LINER TOP ON CLIENT REQUEST
S.O. 2-206035

W
S O O X N
E

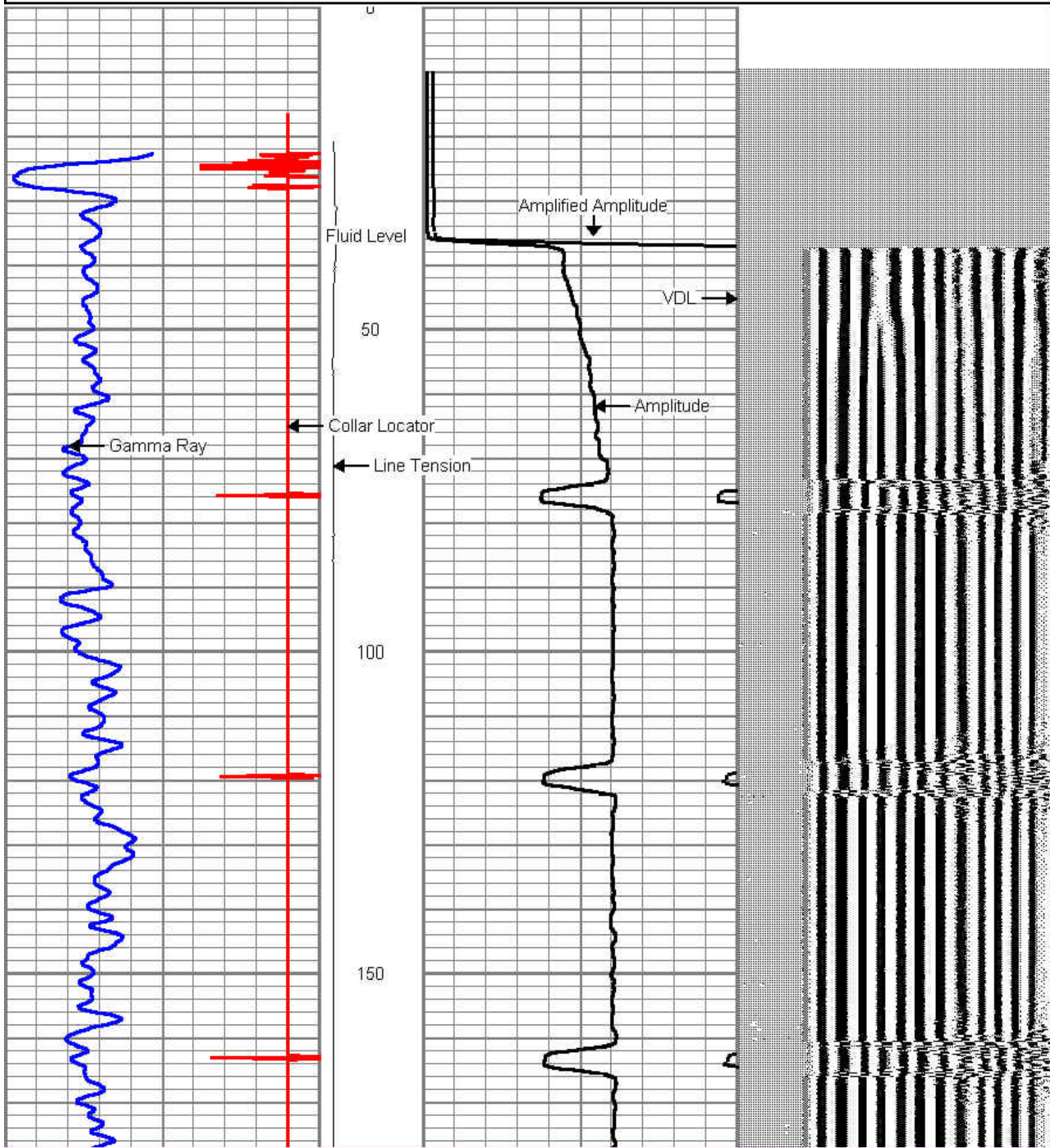
THANK YOU FOR USING PIONEER ENERGY SERVICES!

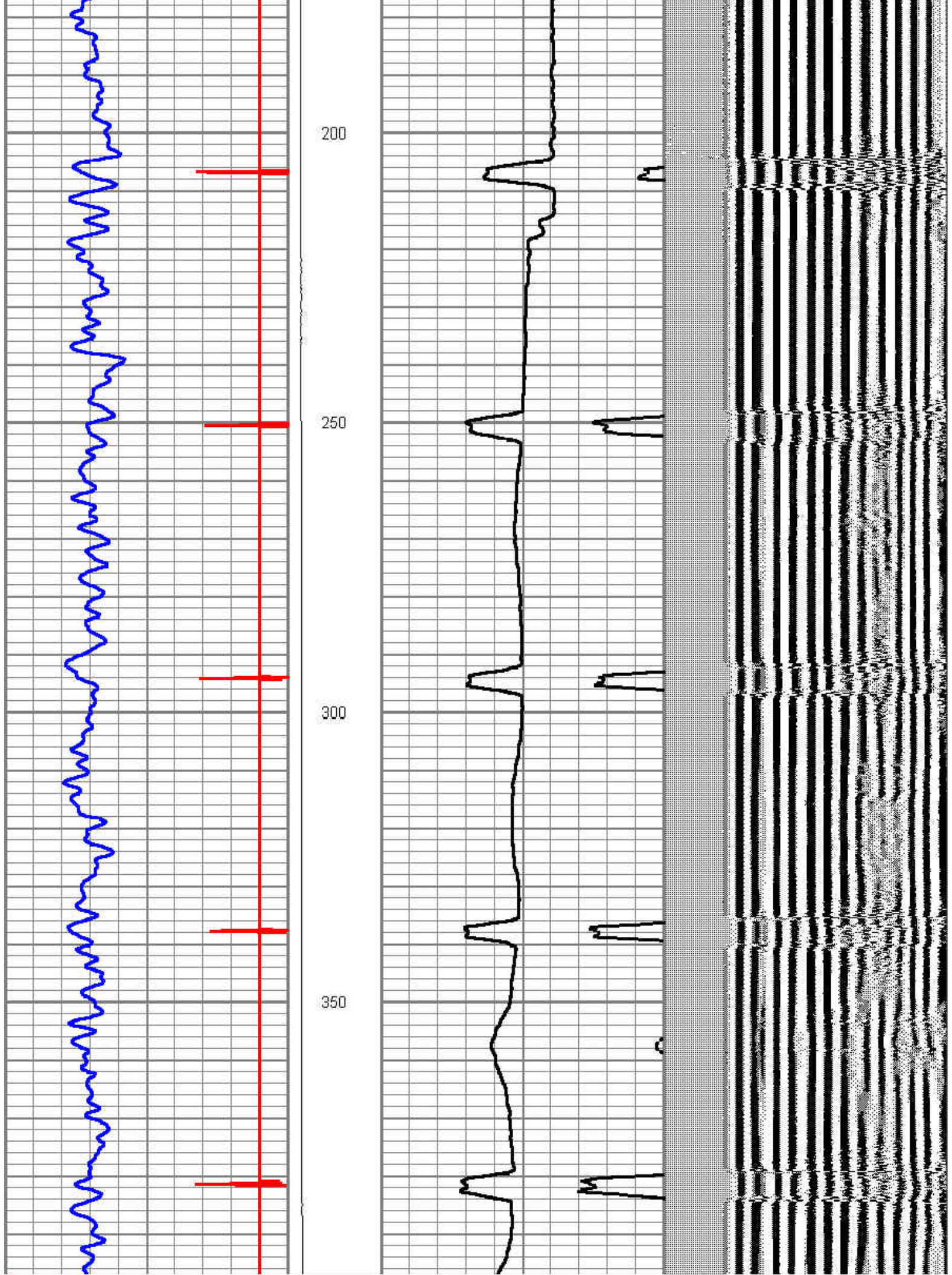
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STNDRD Standard Cable Head	1.00	1.89	1.00

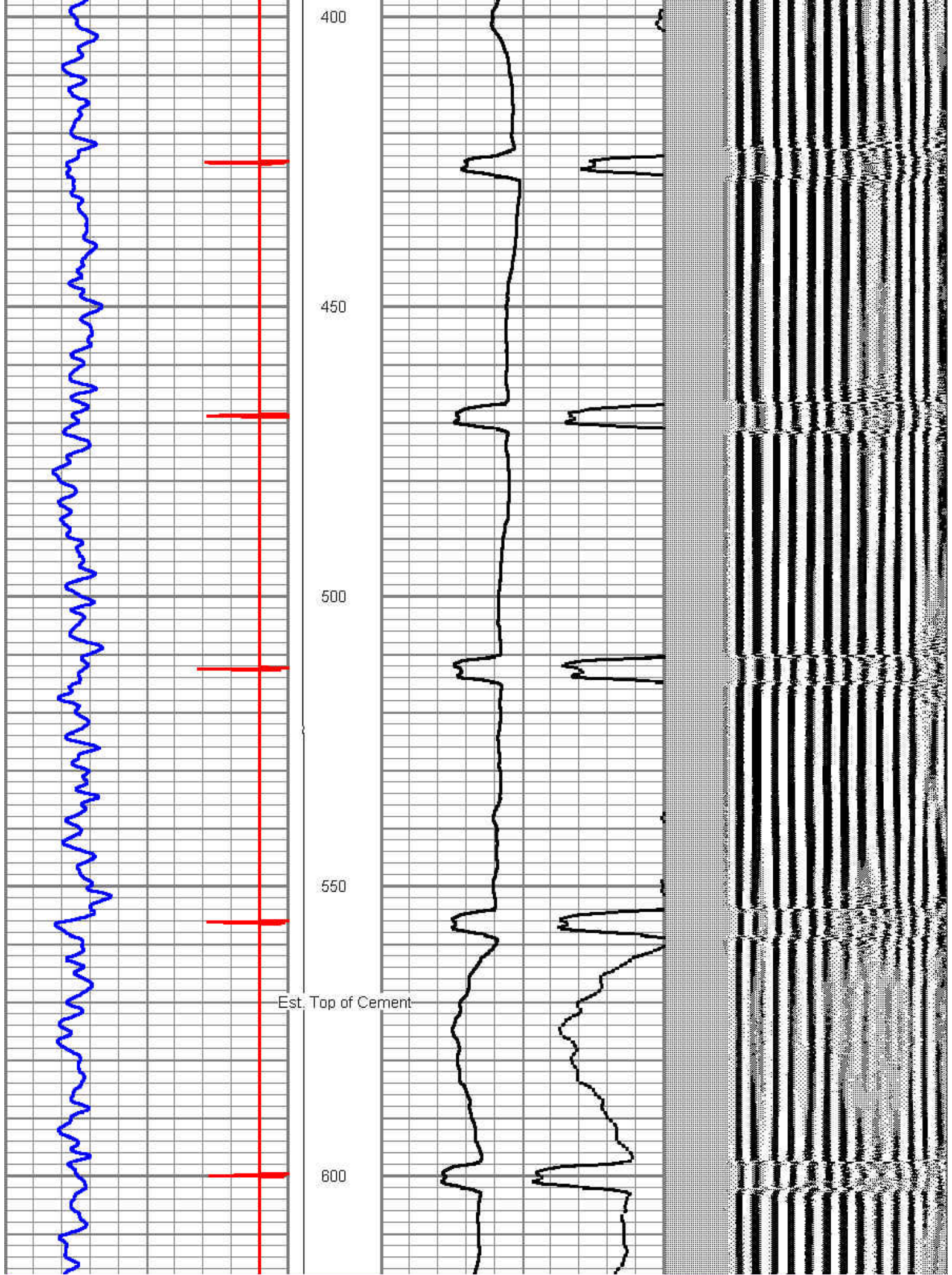
			SDSCENT Centralizer	2.88	2.75	20.00
WVF3	12.48					
WVF5	11.48		CBL-Probe (050215) 2.75 digital probe	8.75	2.75	106.50
			SDSCENT Centralizer	2.88	2.75	20.00
CCL	4.13		CCL-Probe (081119)	2.02	2.75	
GR	0.79		GR-probe 2.75 (51013)	3.33	2.75	40.00
Dataset: kunsemiller05-61-21-0108bh_cbl.db: field/well/run1/pass1 Total Length: 20.85 ft Total Weight: 187.50 lb O.D.: 2.75 in						

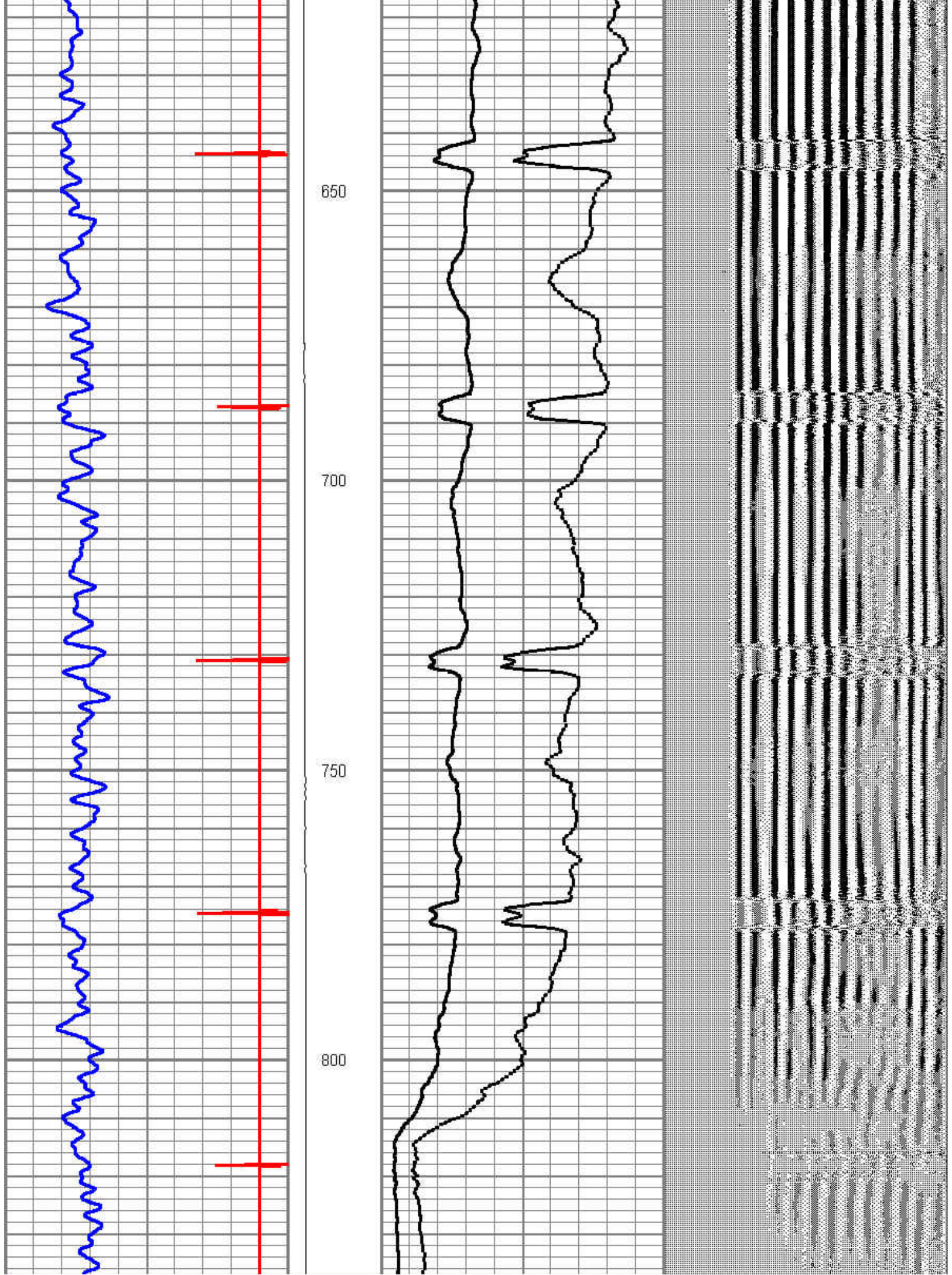
Database File: kunsemiller05-61-21-0108bh_cbl.db
 Dataset Pathname: pass5
 Presentation Format: cbl_dr
 Dataset Creation: Sat Jan 11 14:36:16 2014 by Log SCH 120430
 Charted by: Depth in Feet scaled 1:240

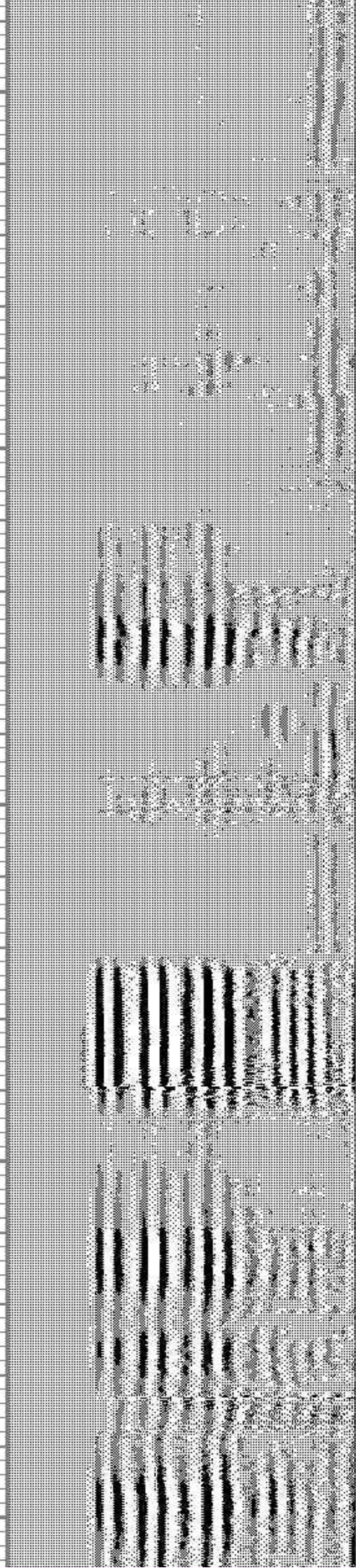
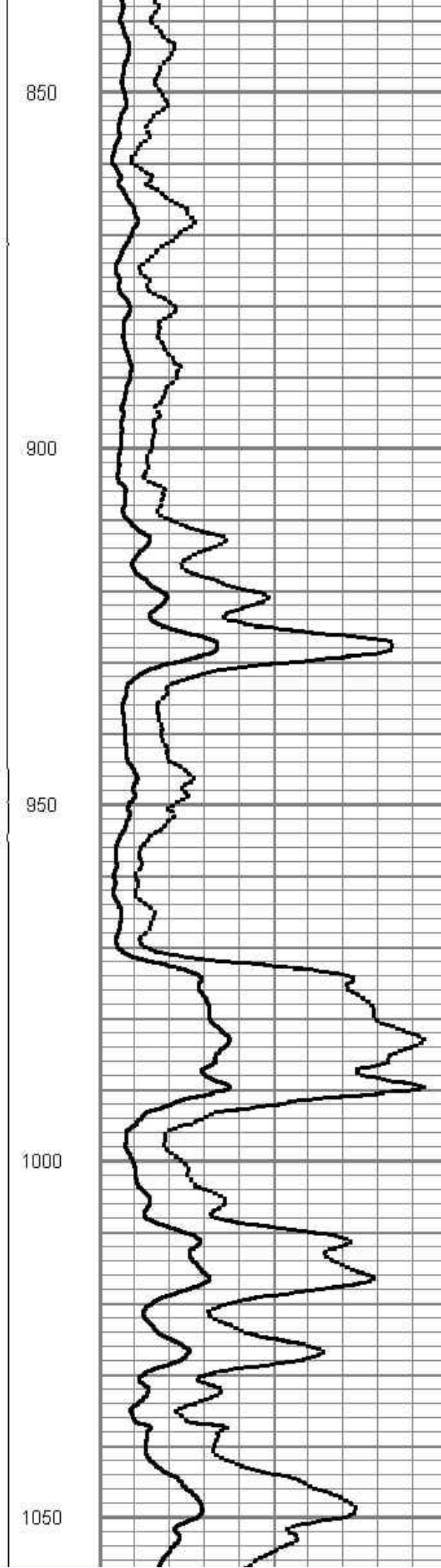
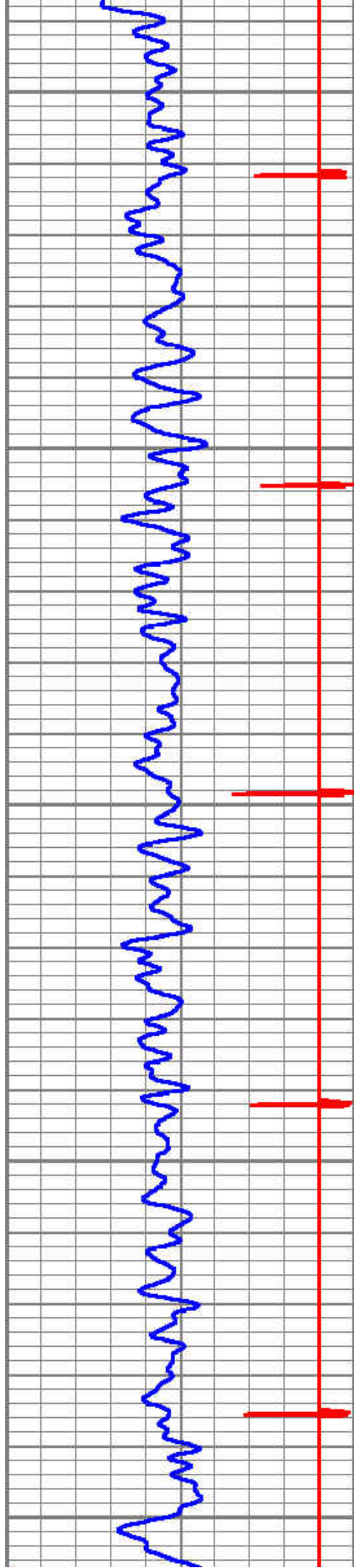
9	Collar Locator	-1	Line Tension	0	Amplified Amplitude (mV)	40	200	Variable Density	1200
0	Gamma Ray (GAPI)	200	0 (lb)1500	0	Amplitude (mV)	100			

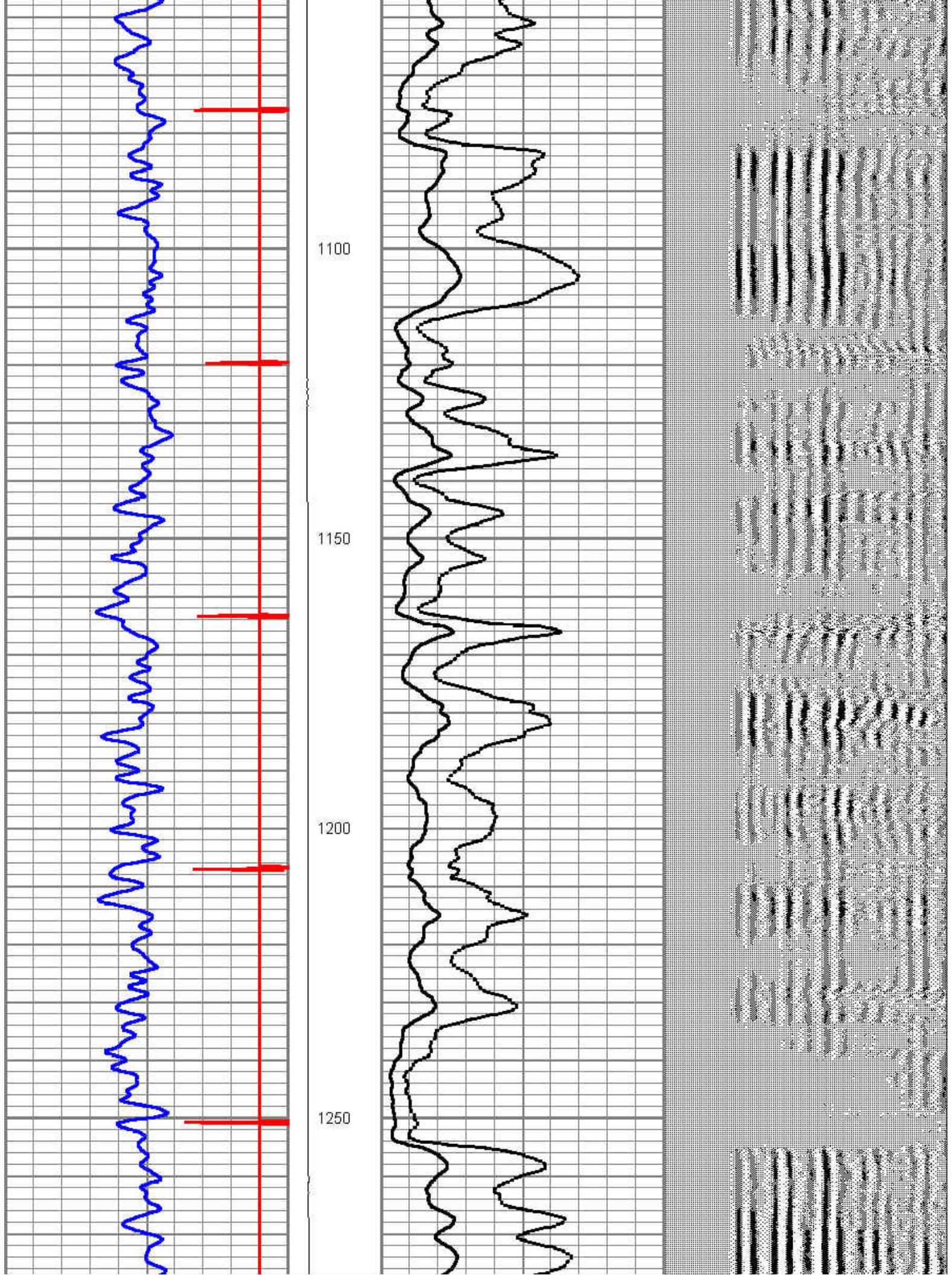


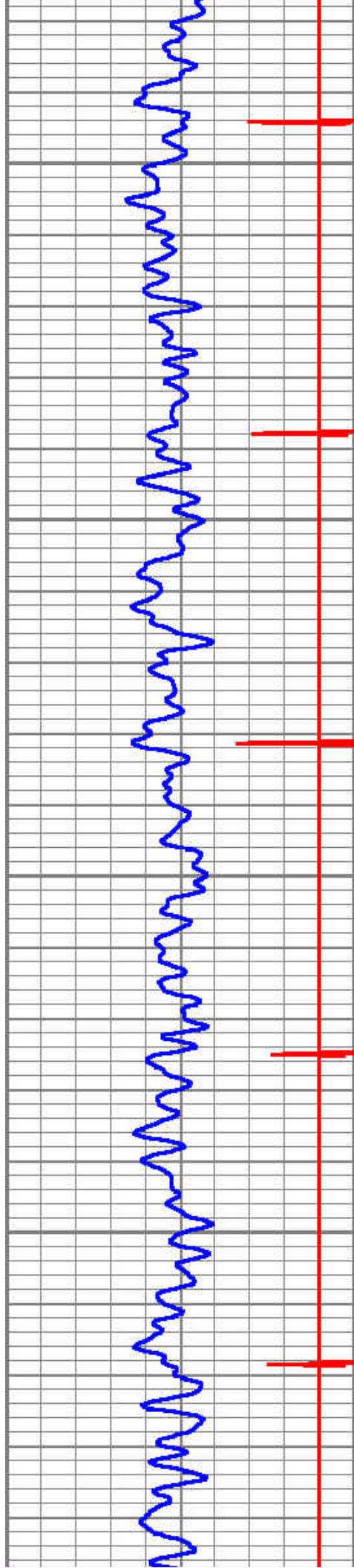










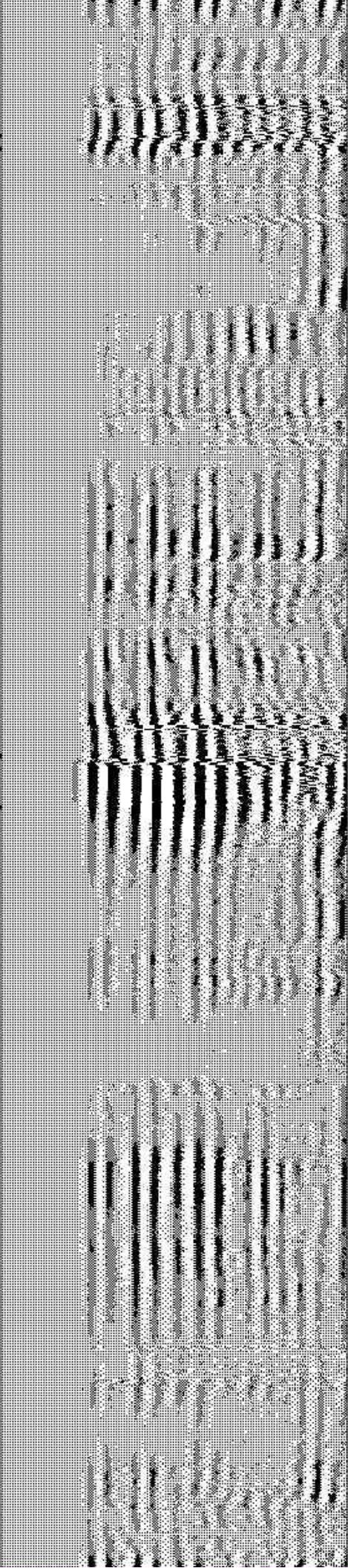
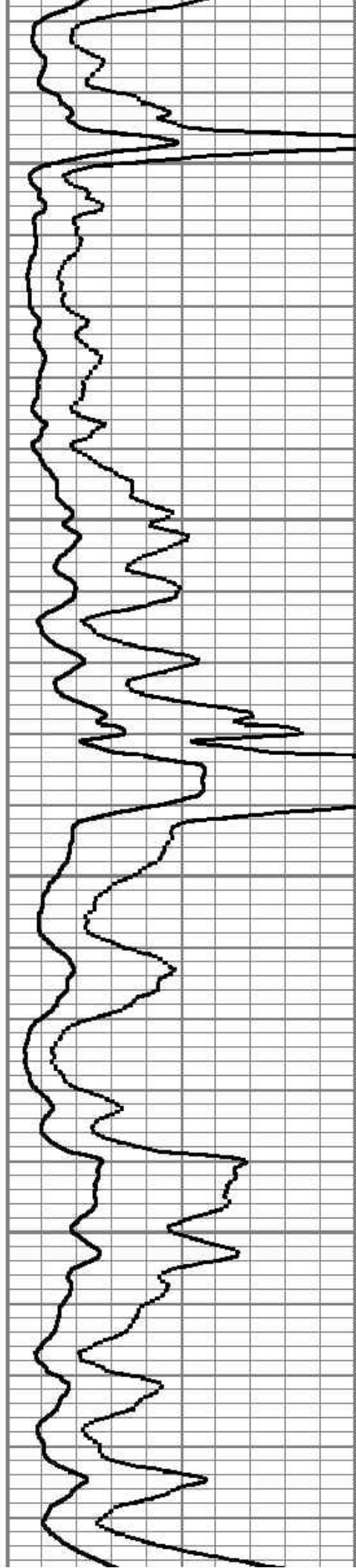


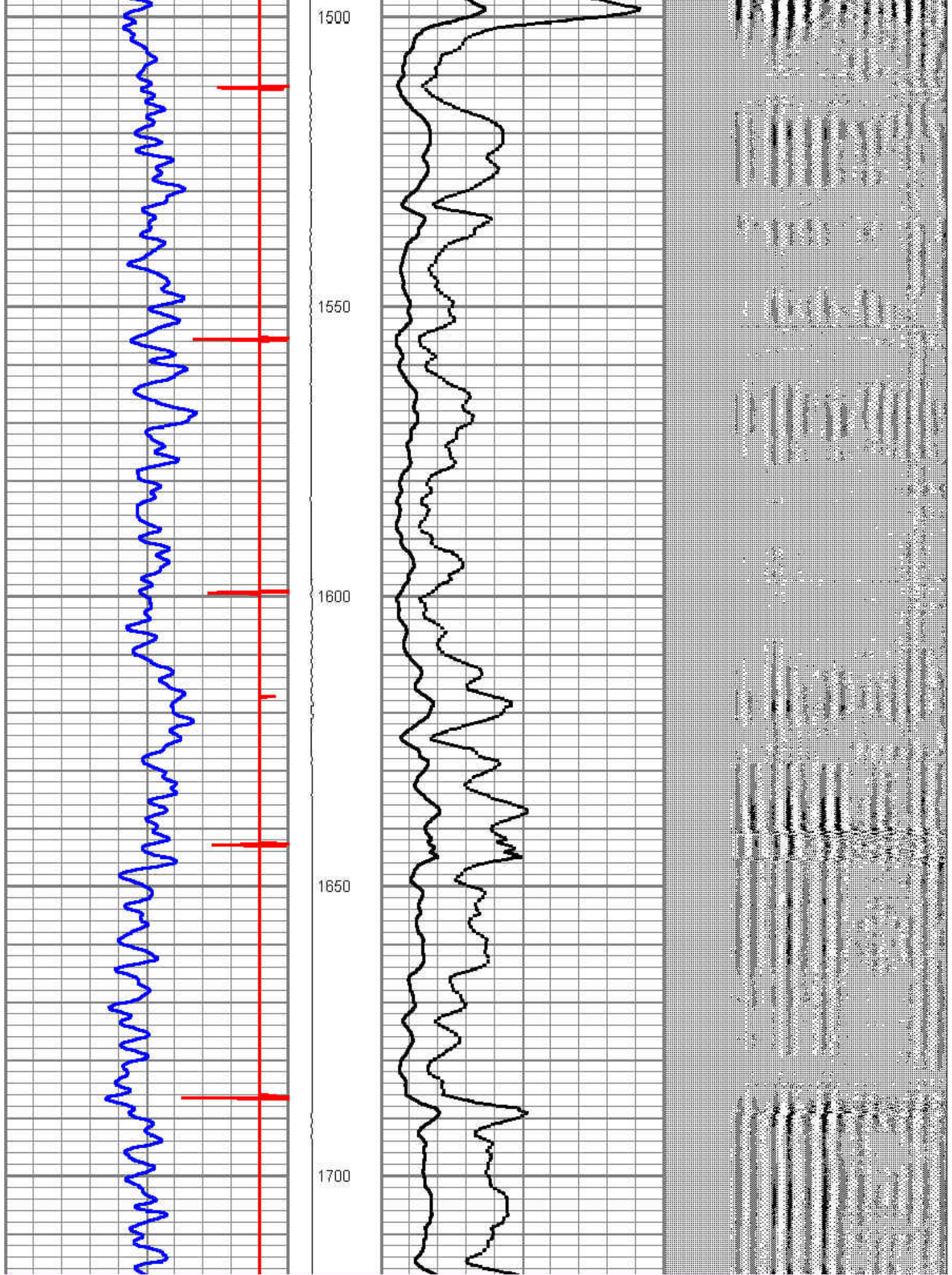
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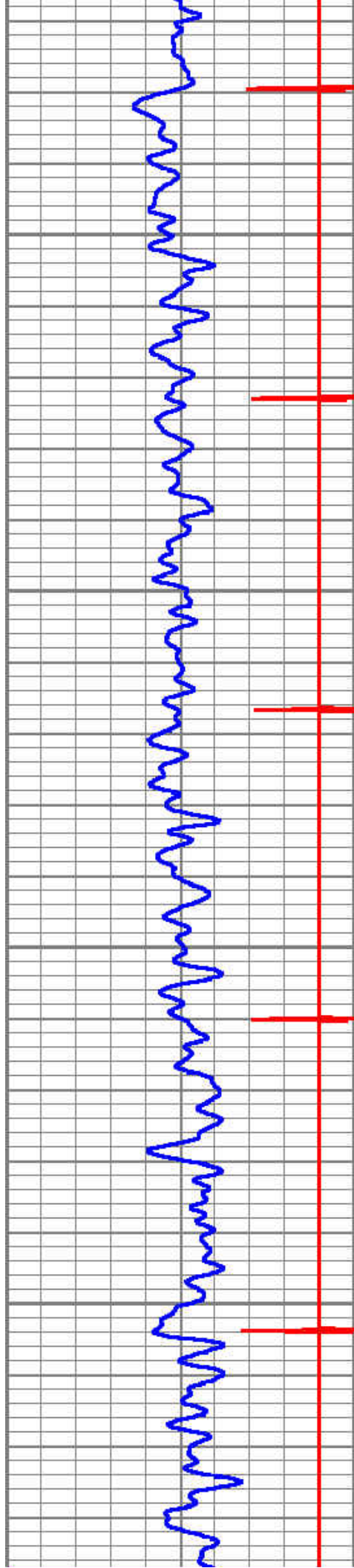
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1400

1450





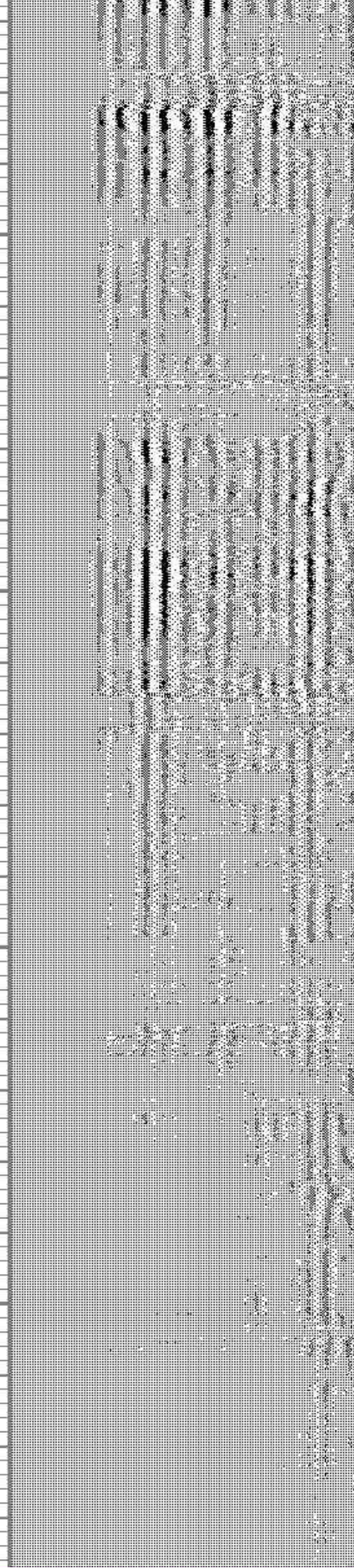
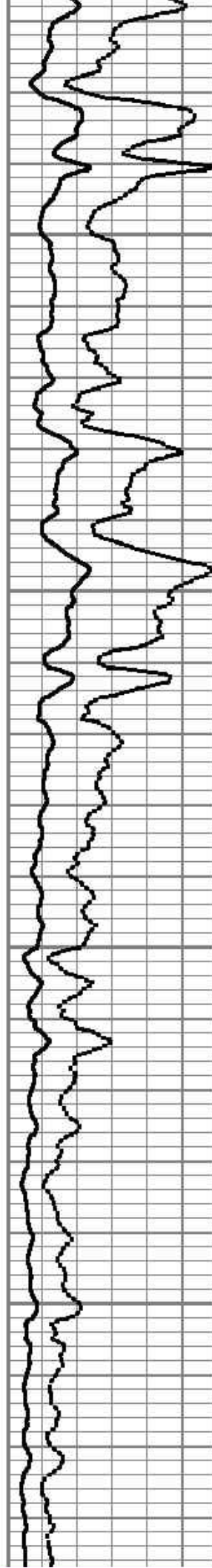


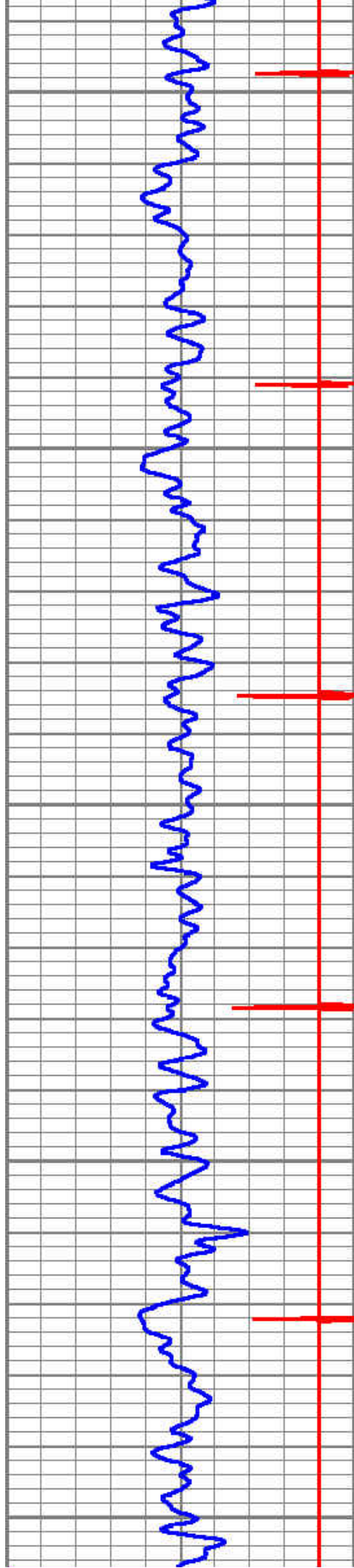
1750

1800

1850

1900





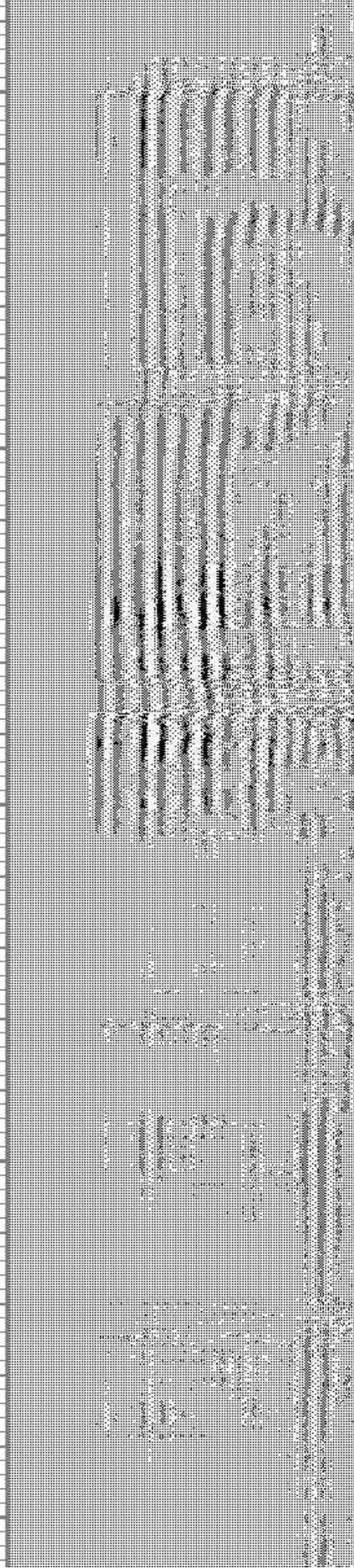
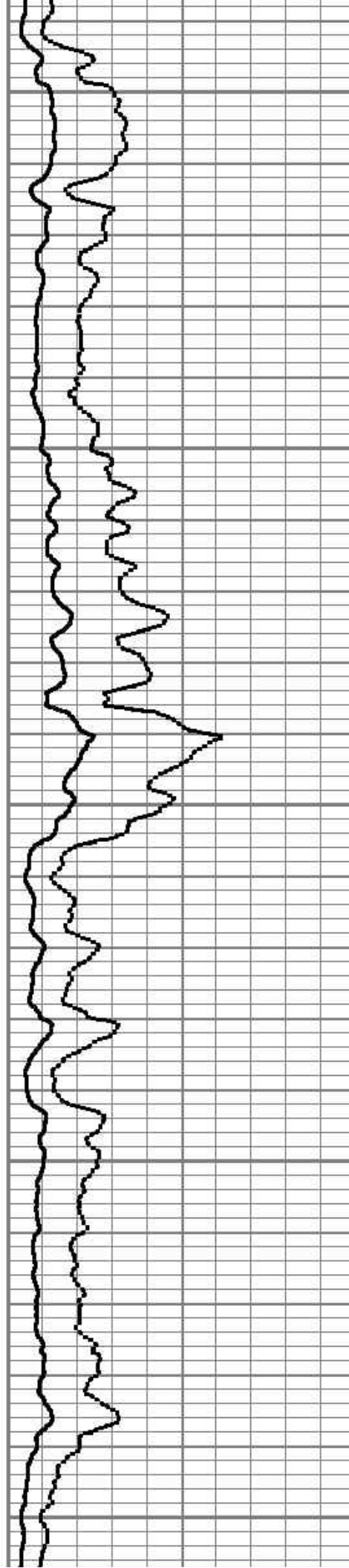
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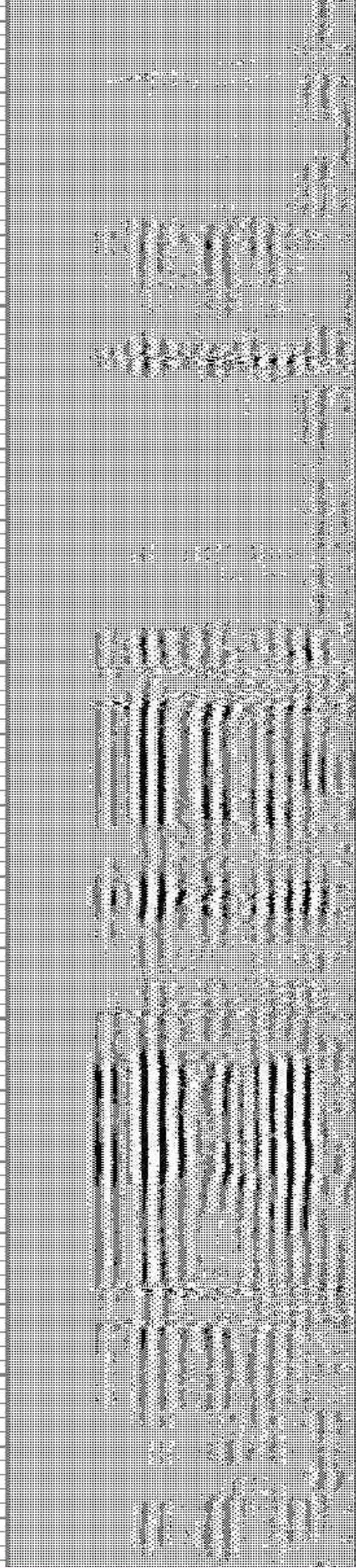
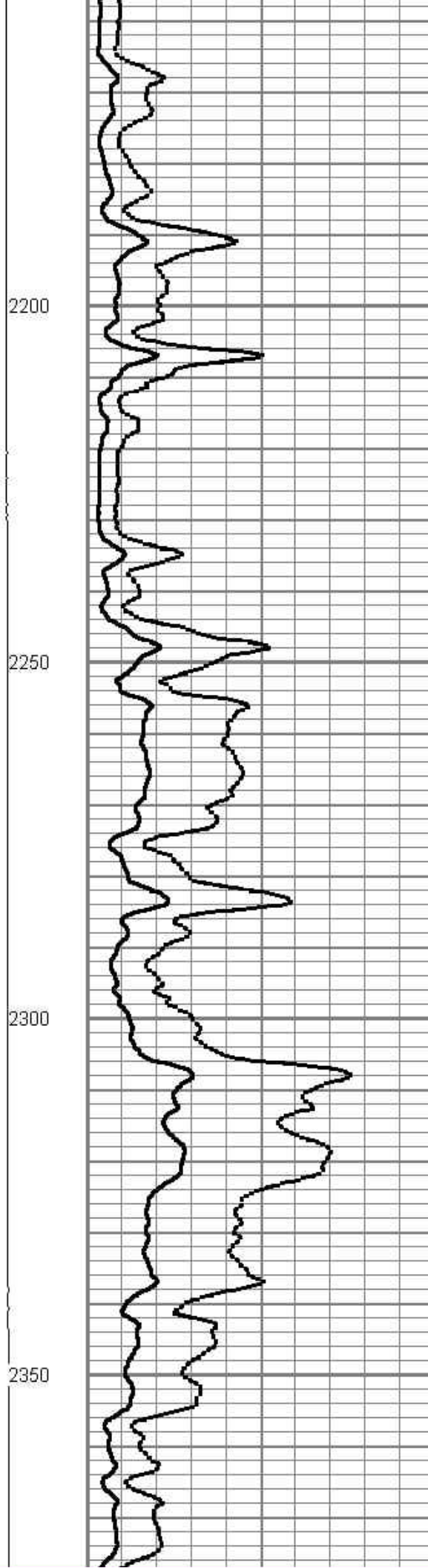
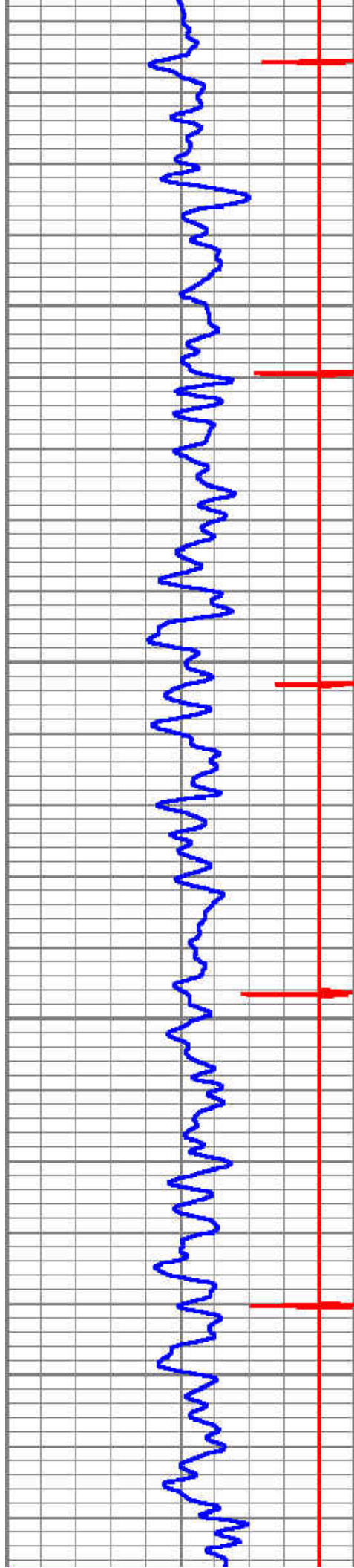
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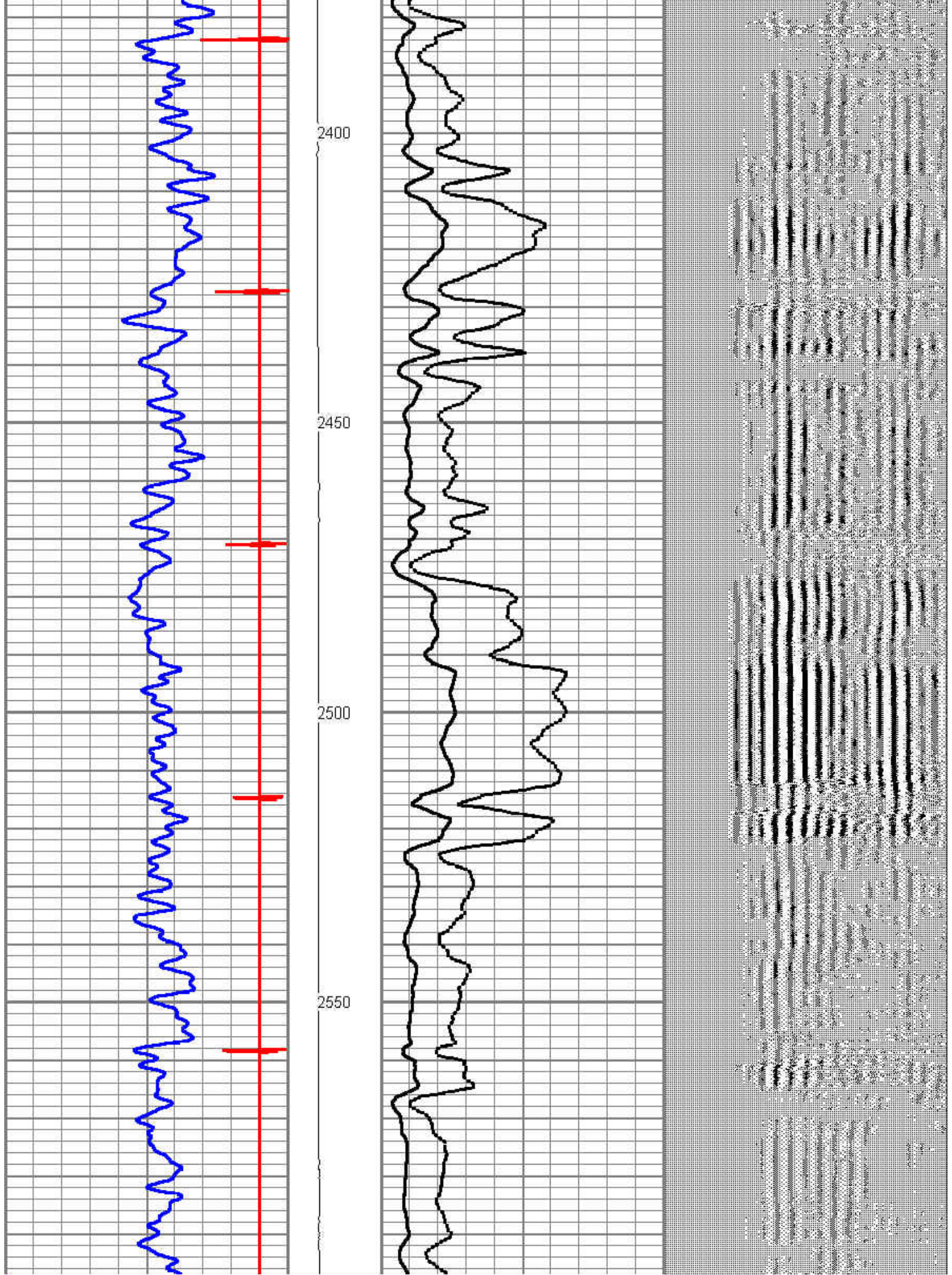
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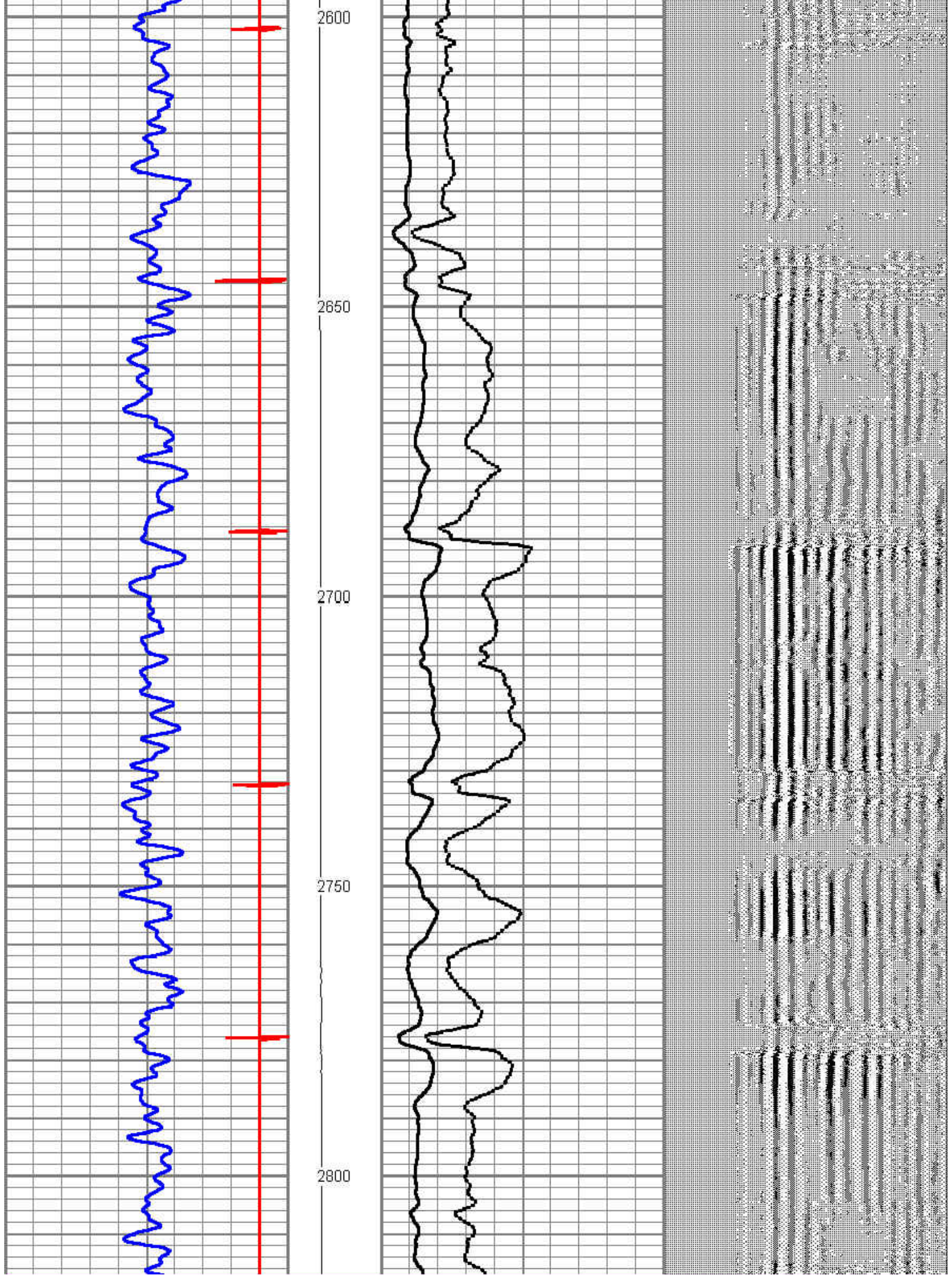
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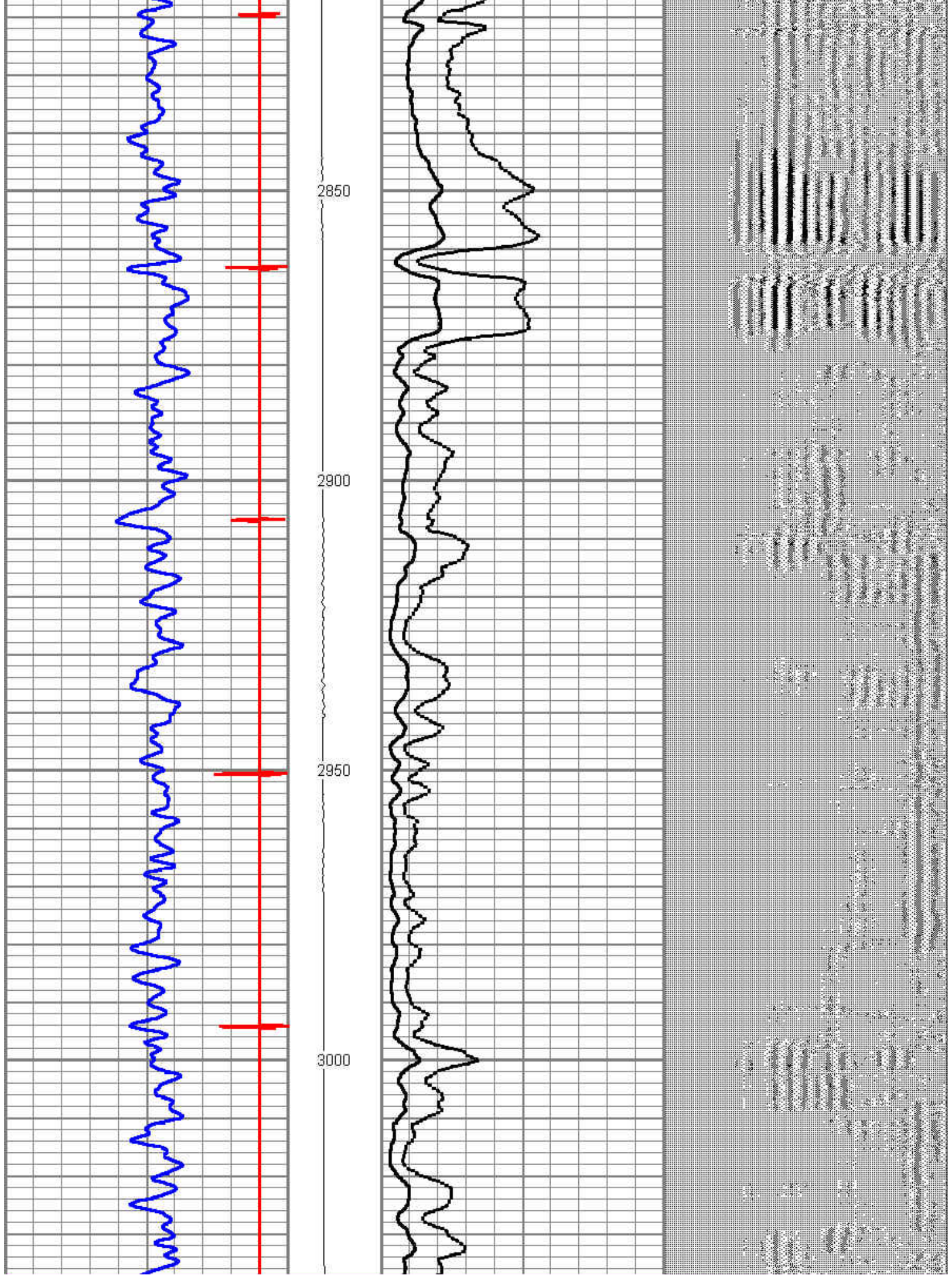
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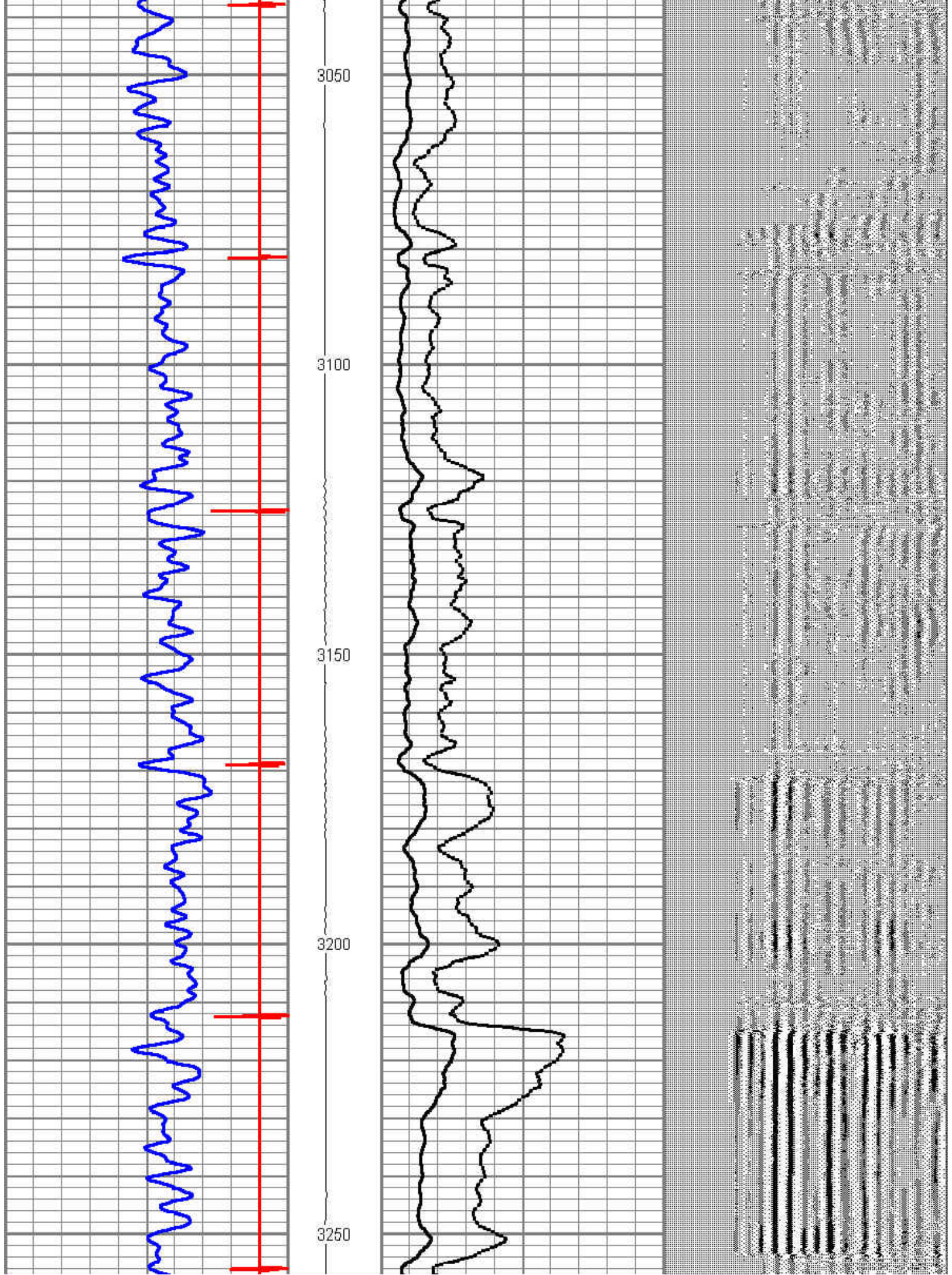


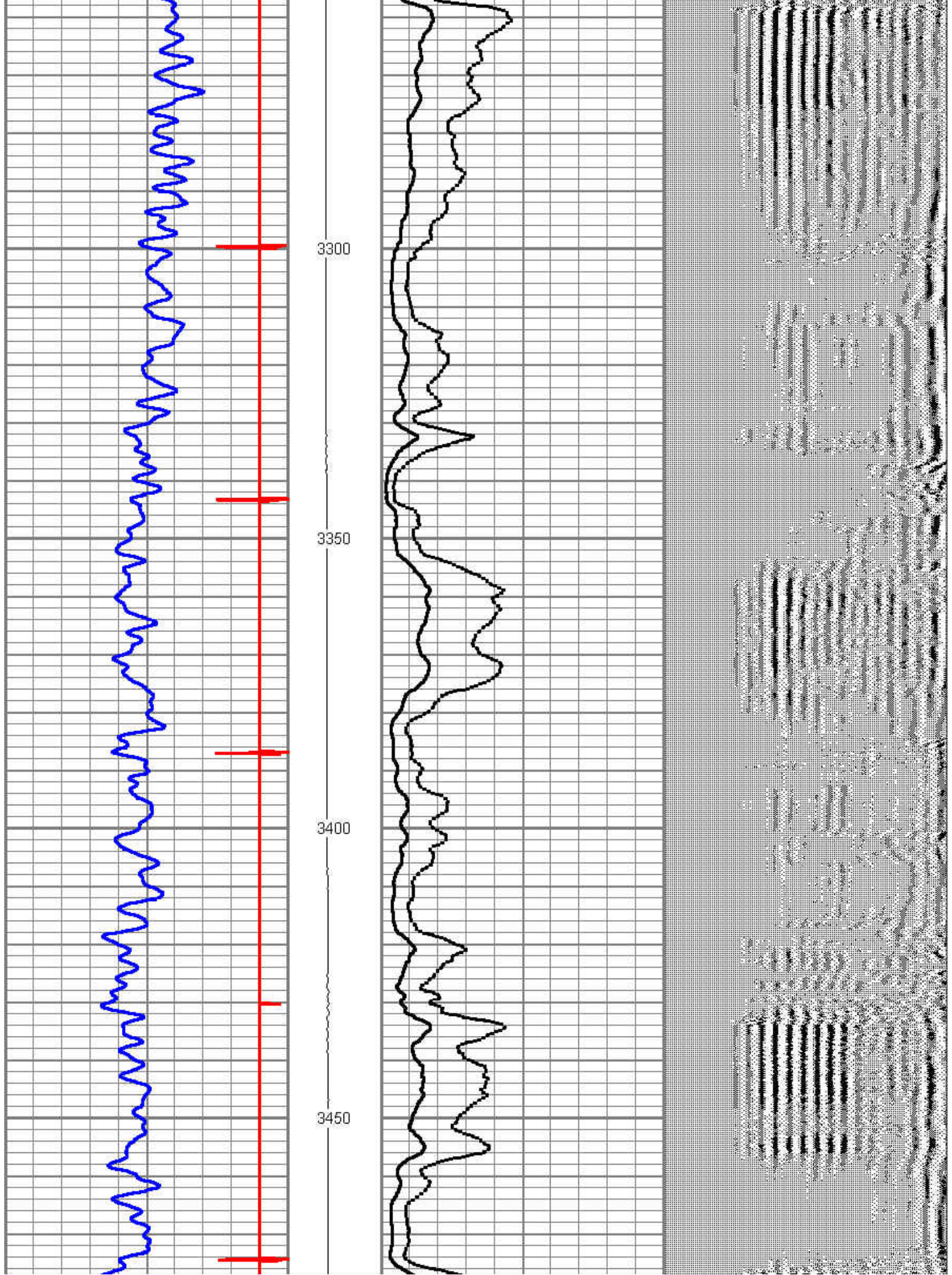


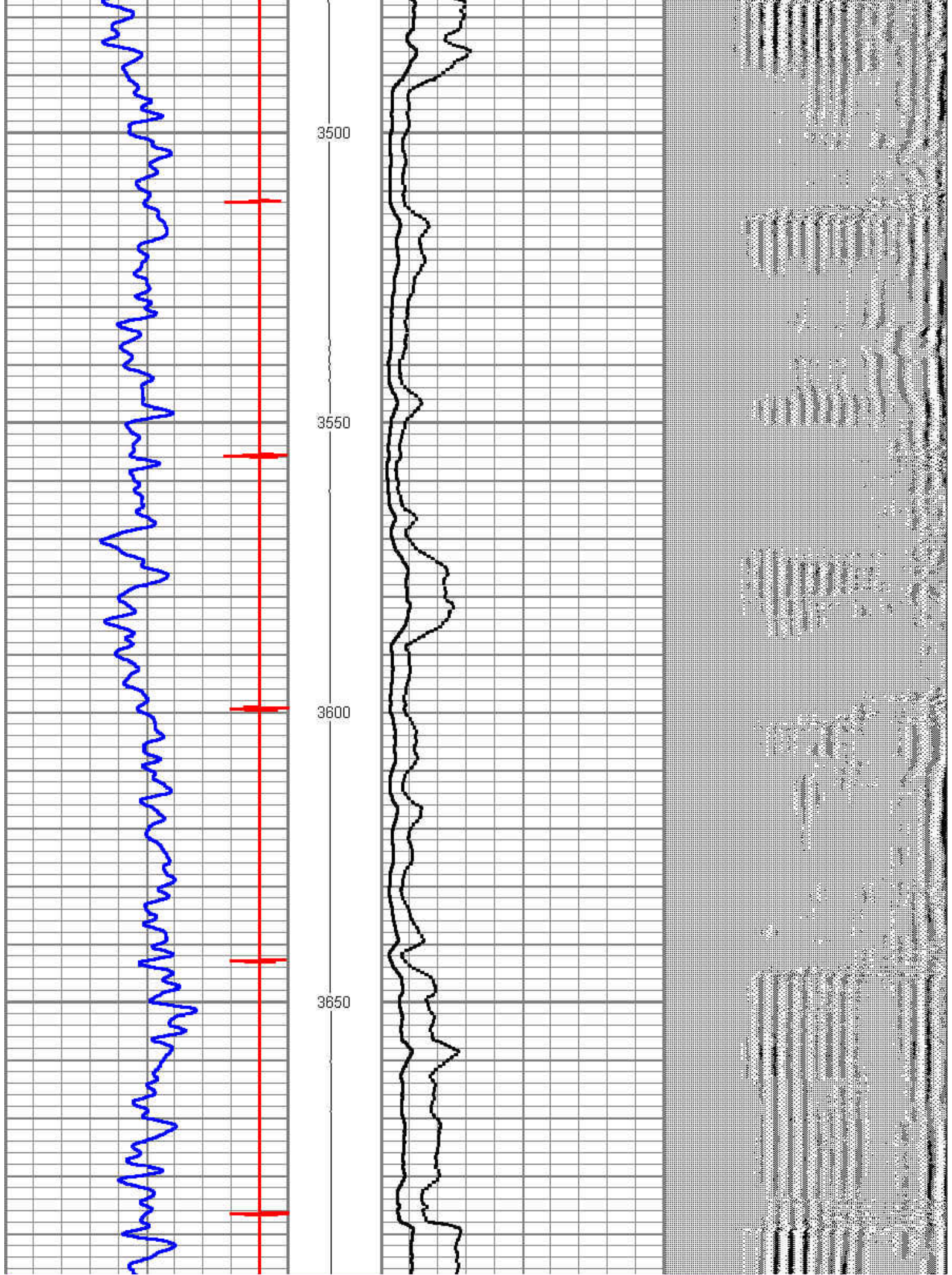


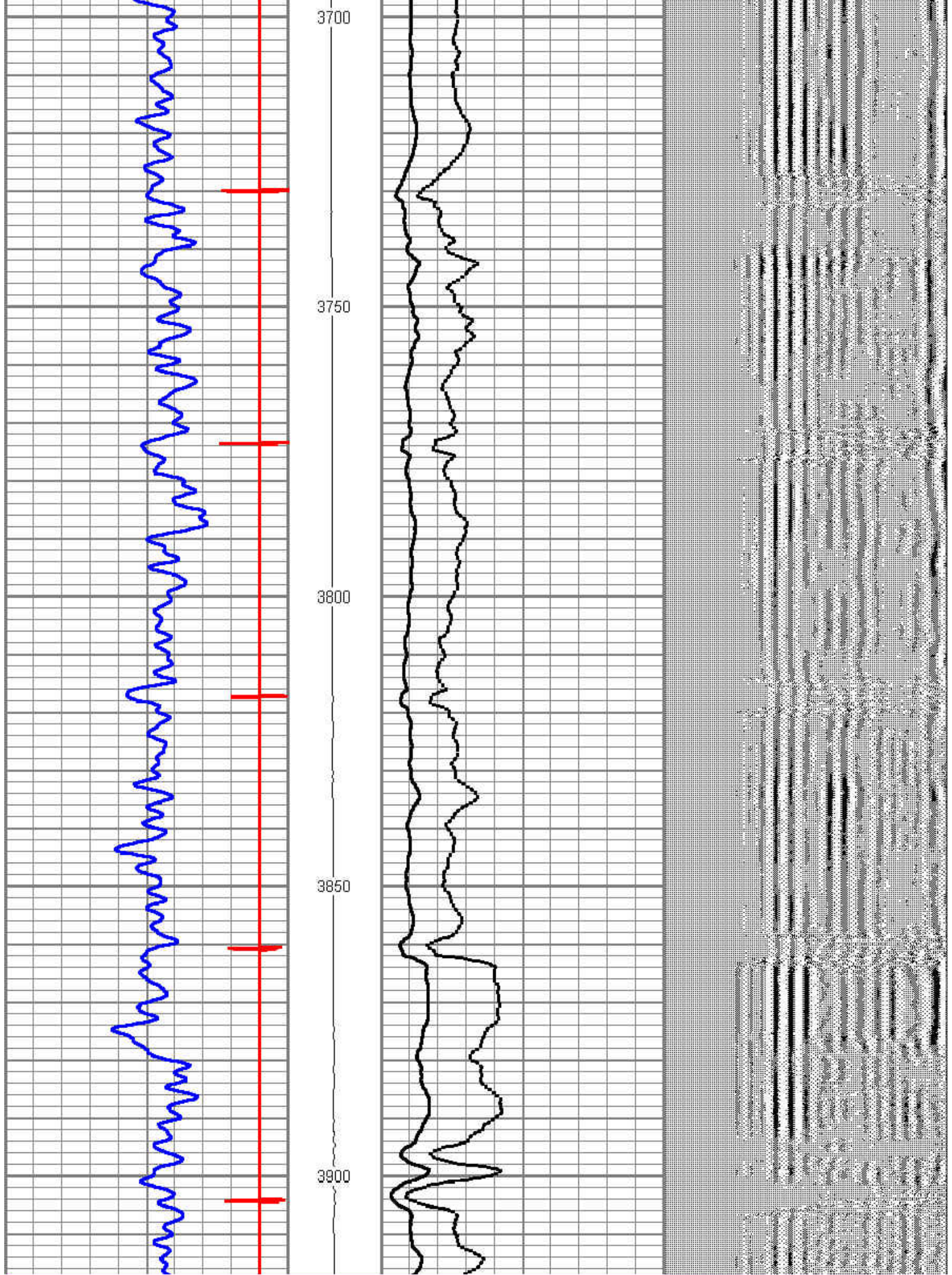


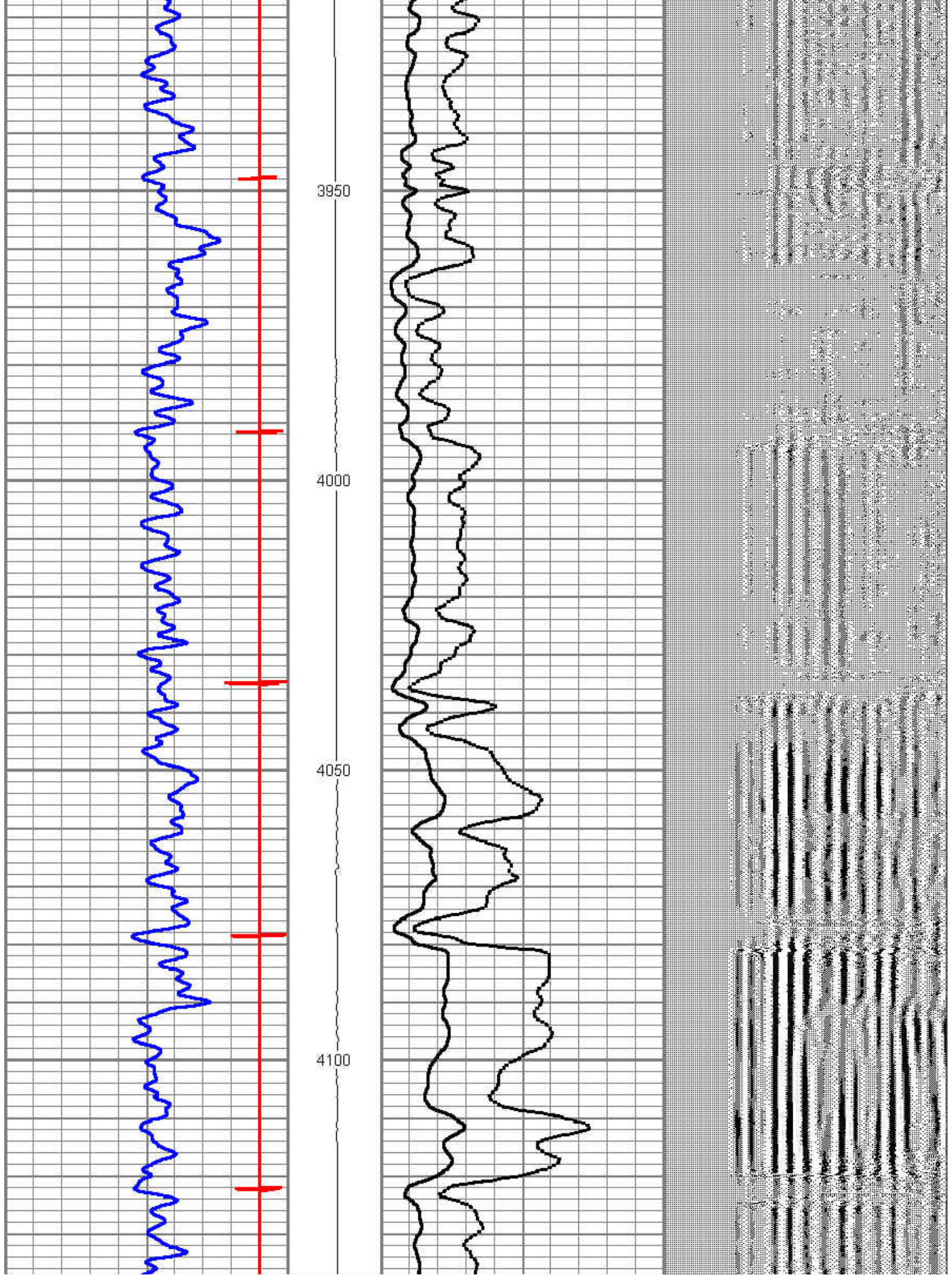


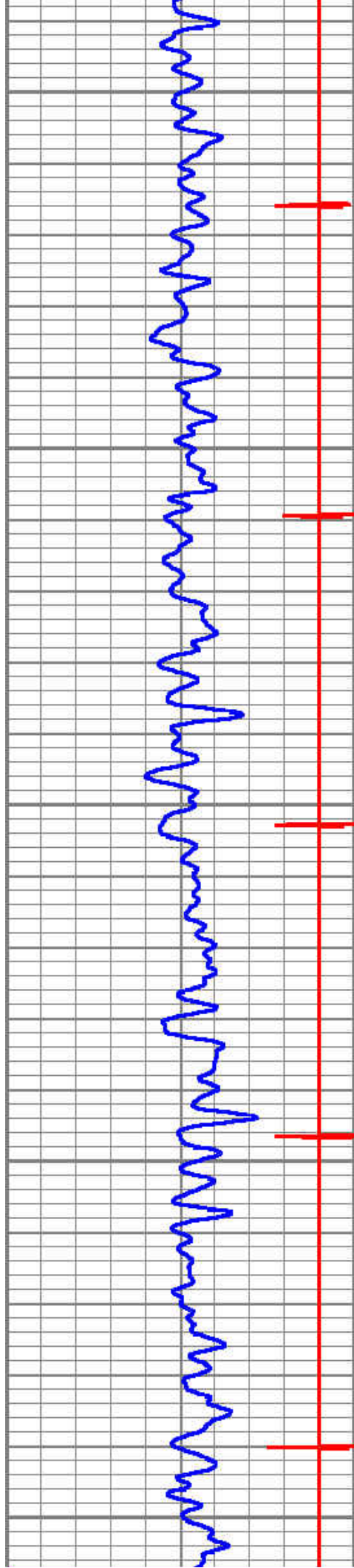












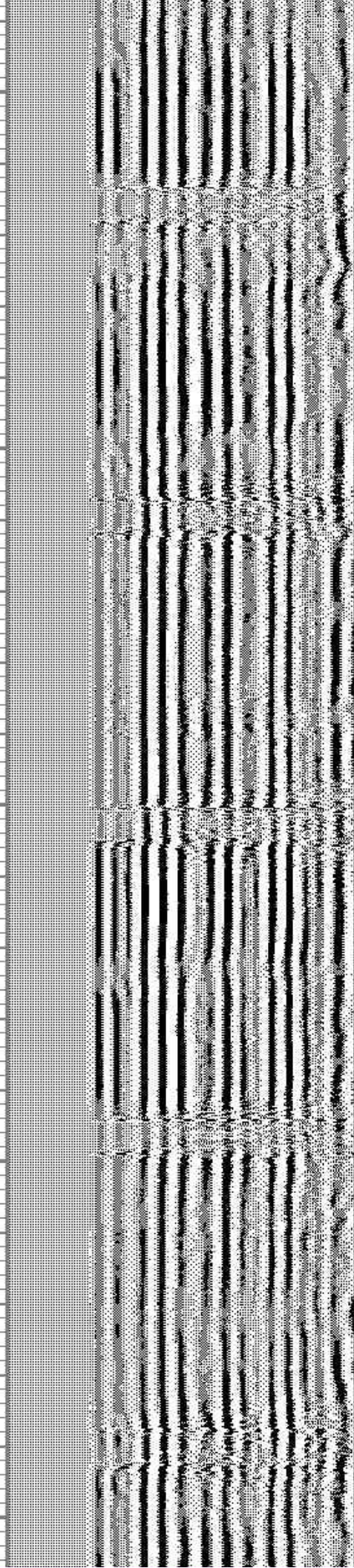
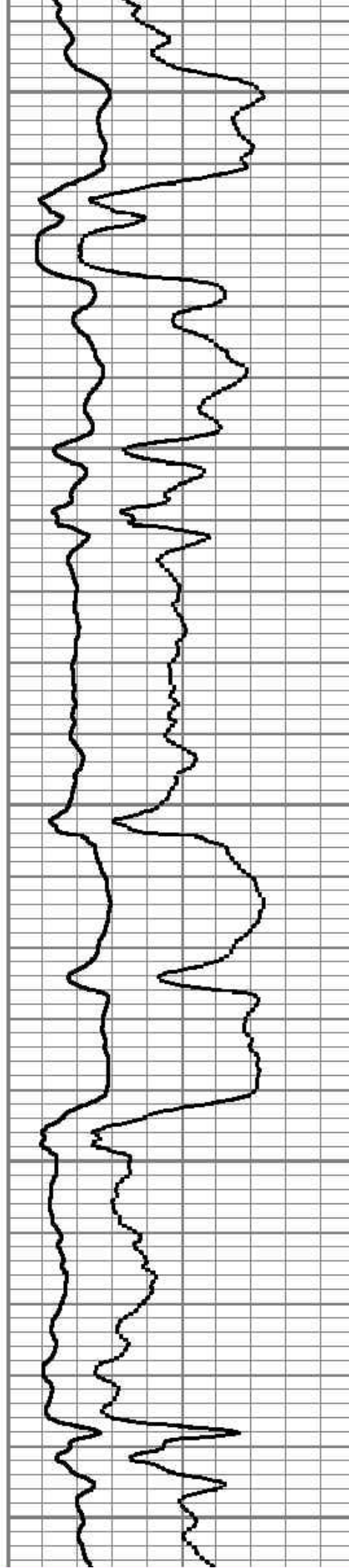
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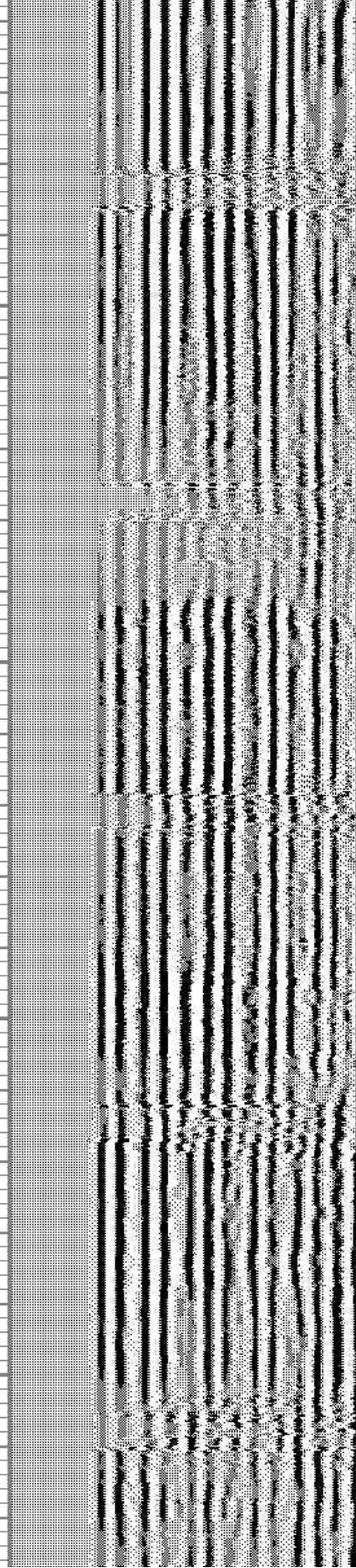
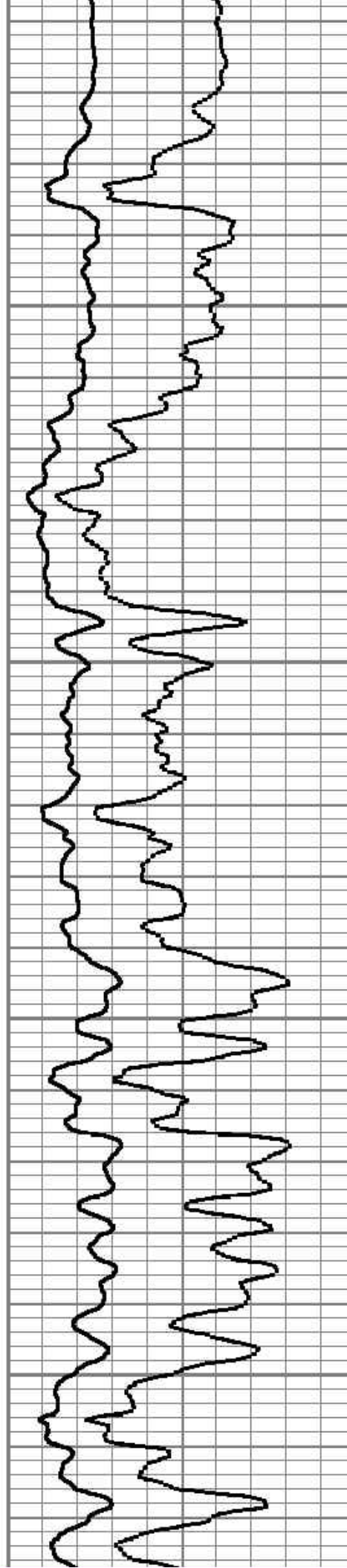
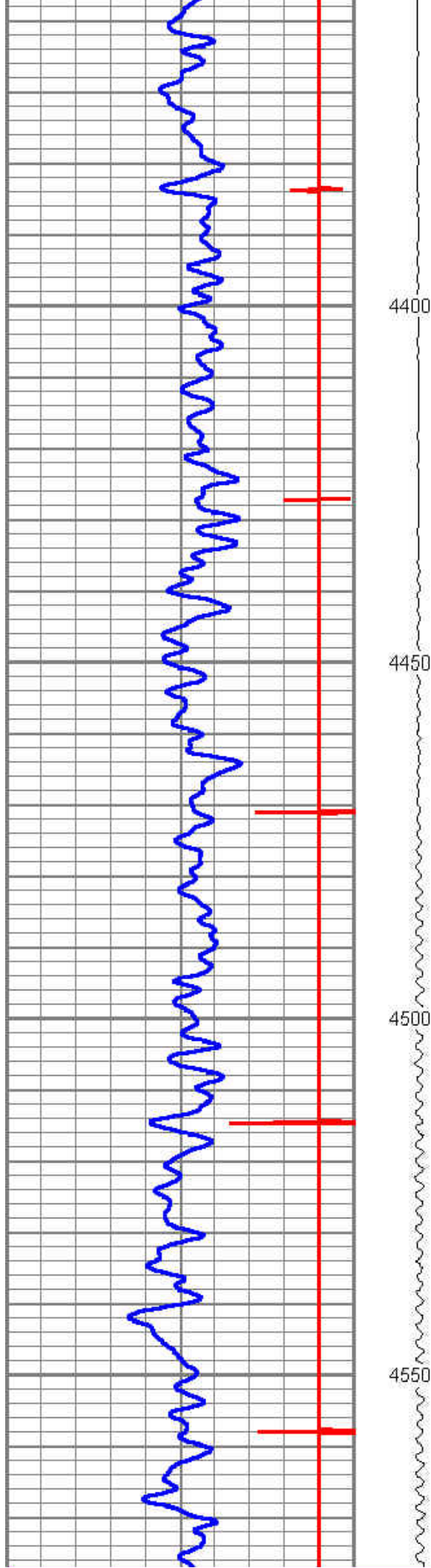
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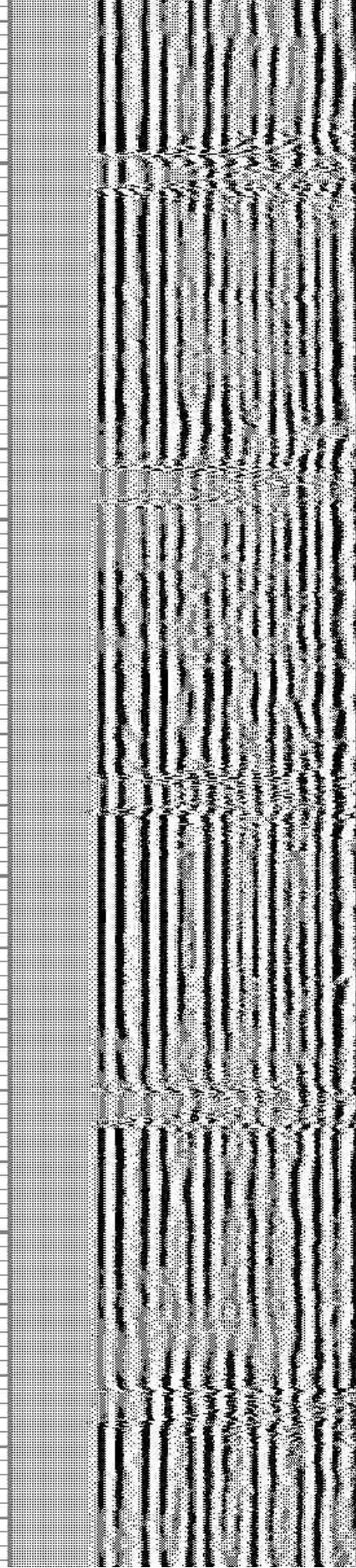
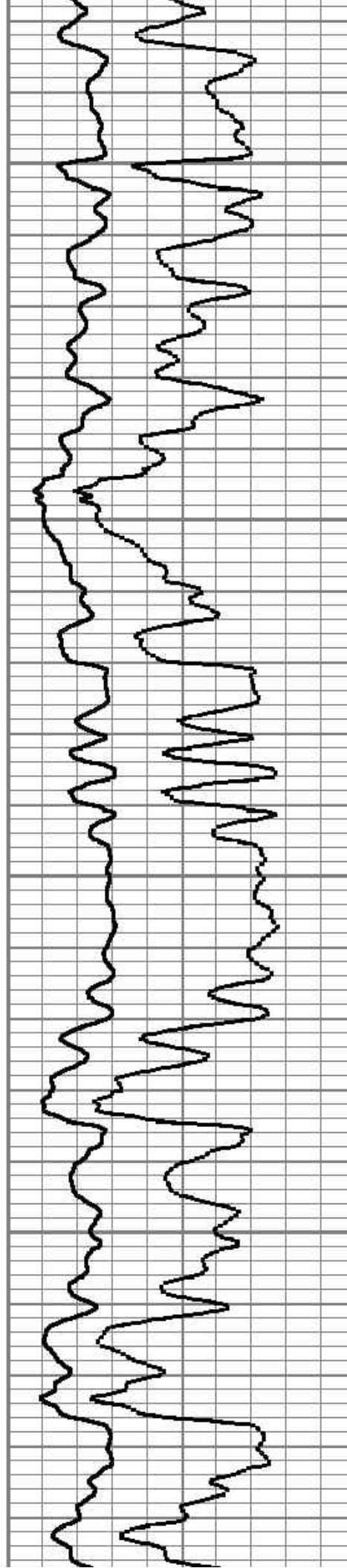
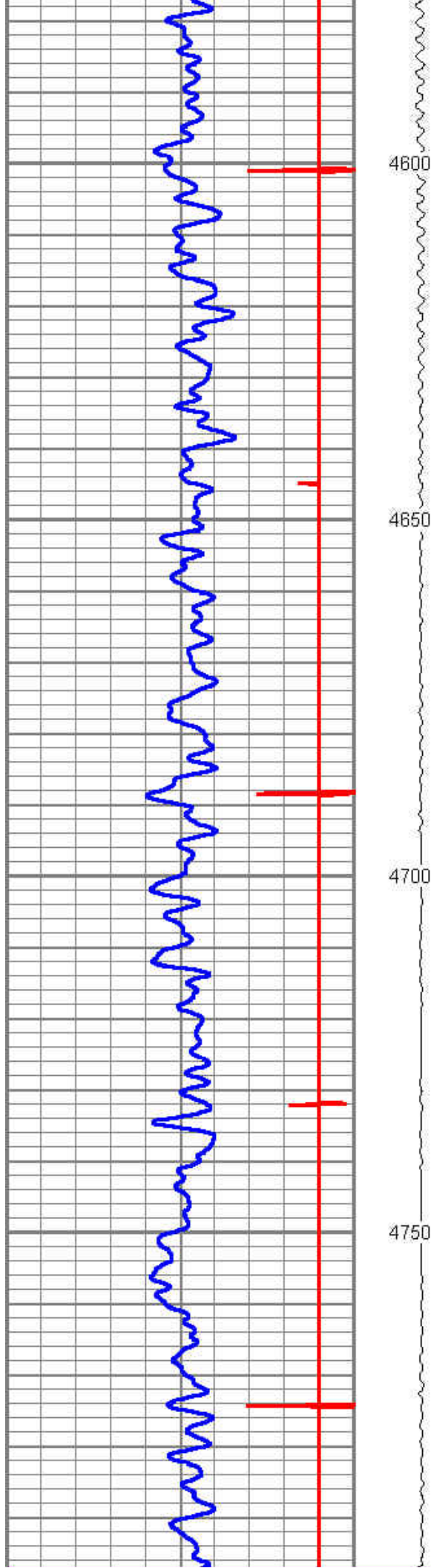
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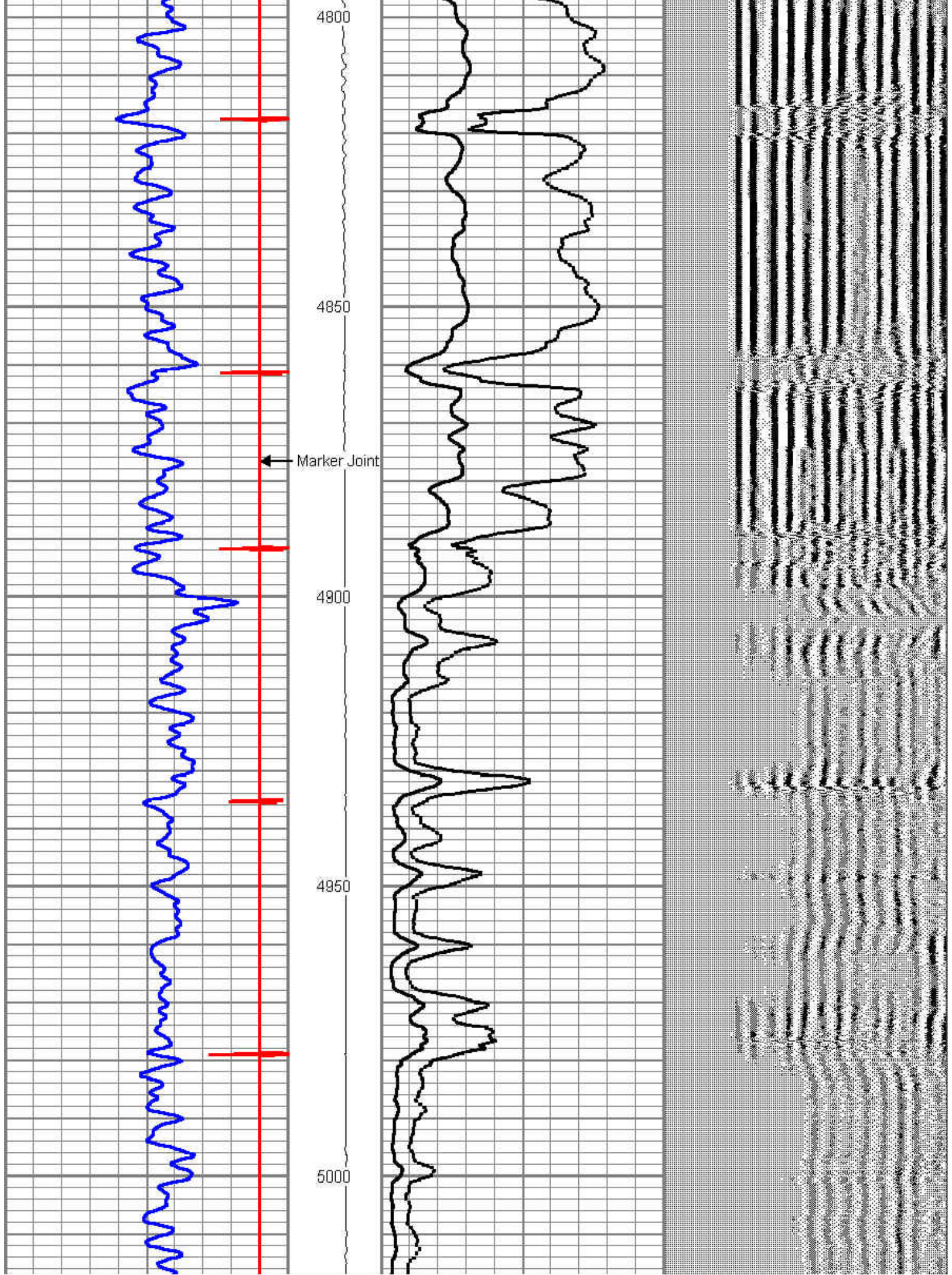
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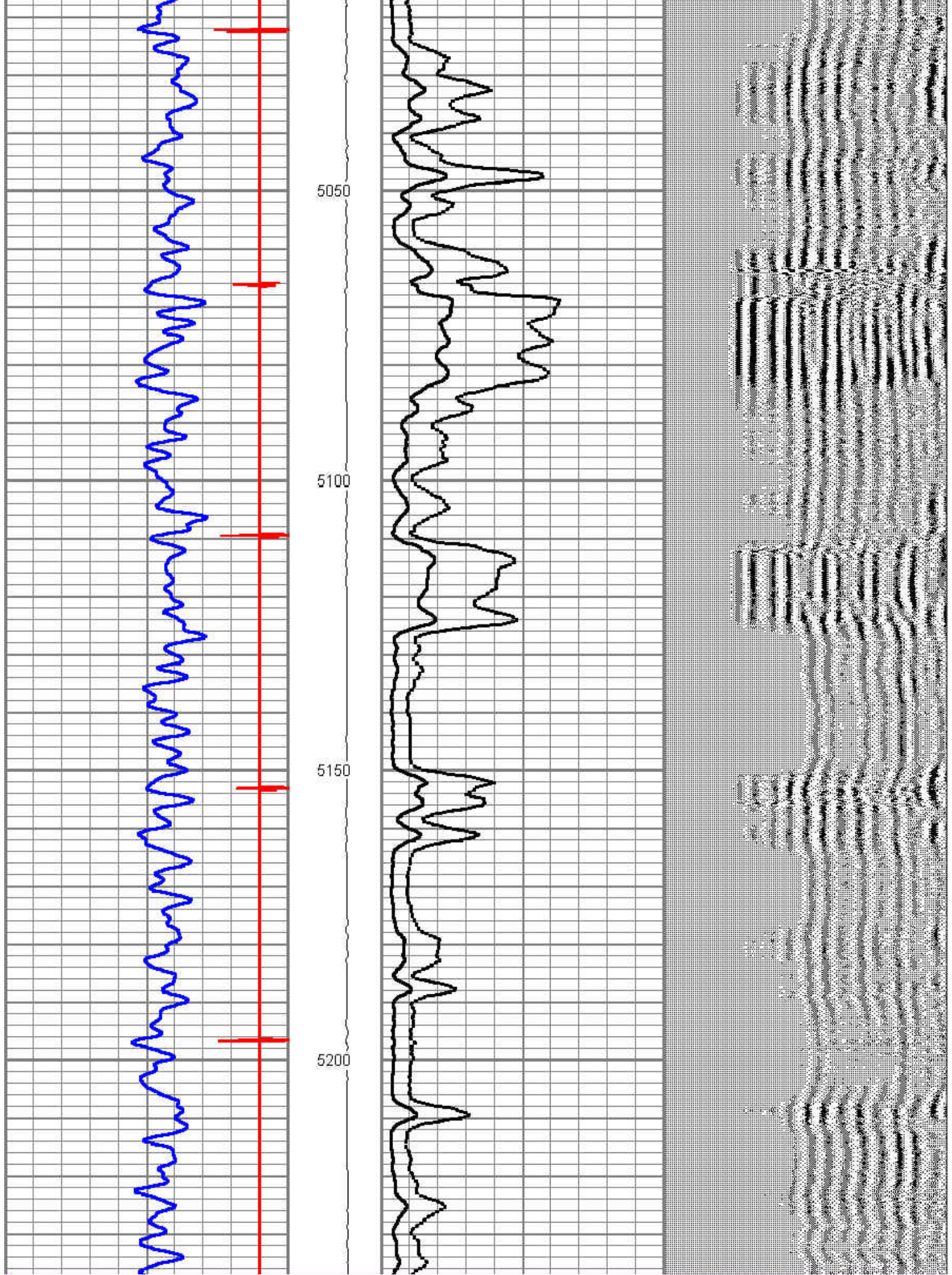
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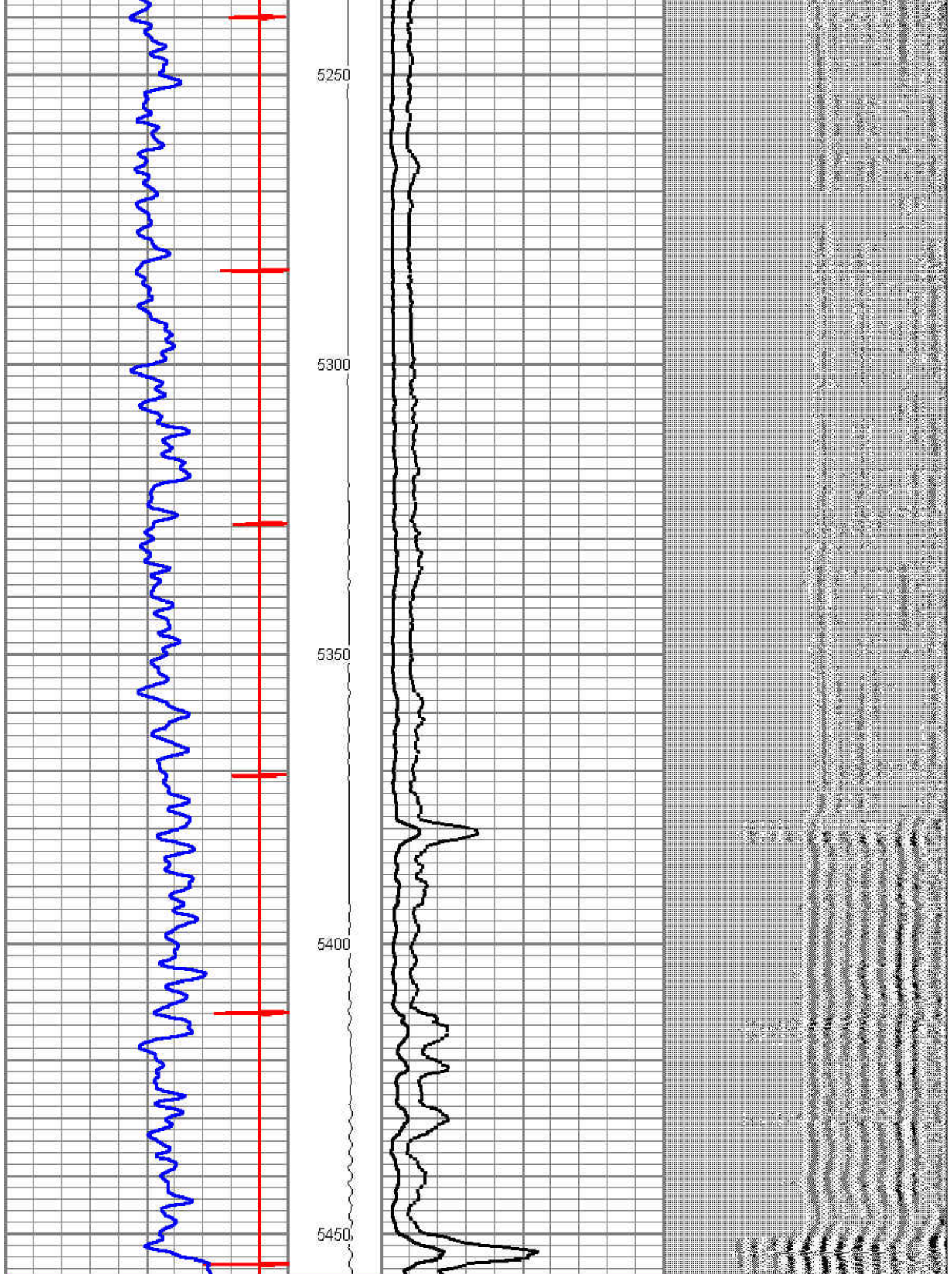


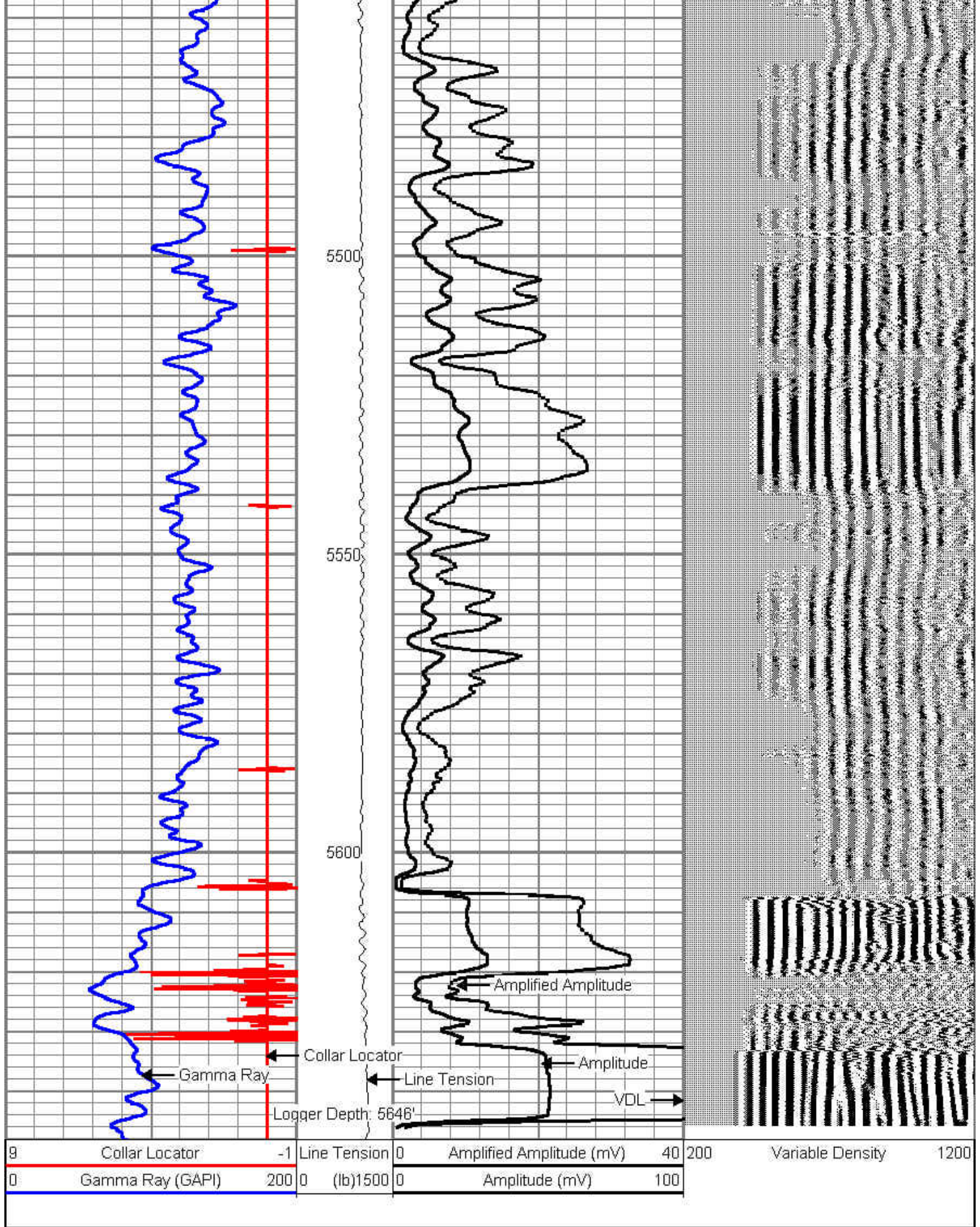












Calibration Report

Database File: kunsemiller05-61-21-0108bh_cbl.db

Gamma Ray Calibration Report

Serial Number:	51019	
Tool Model:	probe 2.75	
Performed:	Sat Jan 11 12:27:27 2014	
Calibrator Value:	1400.0	GAPI
Background Reading:	26.8	cps
Calibrator Reading:	1120.0	cps
Sensitivity:	1.1500	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	050215		
Tool Model:	Probe		
Performed:	Sat Jan 11 13:54:46 2014		
Depth:	195.733	ft	
Casing Diameter:	7	in	
	3' Spacing	5' Spacing	
Signal Zero:	1.5	1.5	mV
Calibrated Amplitude:	62.1651	62.1651	mV
Reading at Signal Zero:	-0.00549316	-0.00576172	V
Reading in Free Pipe:	2.08789	1.88074	V
Gain:	28.9794	32.1575	
Offset:	1.65919	1.68528	



Company	BILL BARRETT CORP.
Well	KUNSEMILLER 05-61-21-0108BH
Field	NE WATTENBERG
County	WELD
State	COLORADO