



CEMENT BOND, V.D.L.  
GAMMA-RAY & C.C.L.

Pioneer Energy Services

Company BAYSWATER EXPLORATION & PRODUCTION

Well THORNTON 13-22

Field WATTENBERG

County WELD

State COLO.

Company BAYSWATER EXPLORATION & PRODUCTION

Well THORNTON 13-22

Field WATTENBERG

County WELD State COLO.

Location: API #: 05123370560000

SURFACE: 226' FSL & 470' FWL SMSW

SEC 22 TWP 7N RGE 66W

Permanent Datum GL Elevation 4934  
Log Measured From KB  
Drilling Measured From KB

Other Services  
PERF.  
Elevation  
K.B. 4949  
D.F. 4948  
G.L. 4934

Date 4-30-13

Run Number 1

Depth Driller 7655

Depth Logger 7602

Bottom Logged Interval 7590

Top Log Interval 830

Open Hole Size 7.875

Type Fluid WATER

Density / Viscosity NA

Max. Recorded Temp. 230

Estimated Cement Top 1380

Time Well Ready ROA

Time Logger on Bottom PM

Equipment Number 24

Location FT.MORGAN

Recorded By NATHAN BIVENS

Witnessed By CHRIS RODRIGUEZ

Borehole Record Bit From To Size Weight From To

Casing Record Size Wgt/Ft Top Bottom

Surface String

Prot. String

Production String 4.5" 11.6#


Liner

<<< Fold Here >>>

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

S.O. # 2-203909  
N  
W O X E  
S  
WCR 78 & 31 NORTH WEST INTO  
THANK YOU FOR USING PIONEER ENERGY SERVICES

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			SDSCHD Cable Head for Testing	1.00	1.44	1.00

			cent.-Probe (cent) probe cent.	2.88	2.75	25.00
			cent.-Probe (cent) probe cent.	2.88	2.75	25.00
WVF3	15.35		CBL-Probe (110215) 2.75 digital probe	8.75	2.75	106.50
WVF5	14.35					
			cent.-Probe (cent) probe cent.	2.88	2.75	25.00
CCL	7.00		CCL-Probe (081119)	2.02	2.75	
GR	3.67		GR-Probe275dig (110249) Probe Digital Gamma-Ray	3.33	2.75	57.00
			cent.-Probe (cent) probe cent.	2.88	2.75	25.00
Dataset: thorton 13-22 bayswater.db; field/well/run1/pass7 Total Length: 26.60 ft Total Weight: 264.50 lb O.D.: 2.75 in						

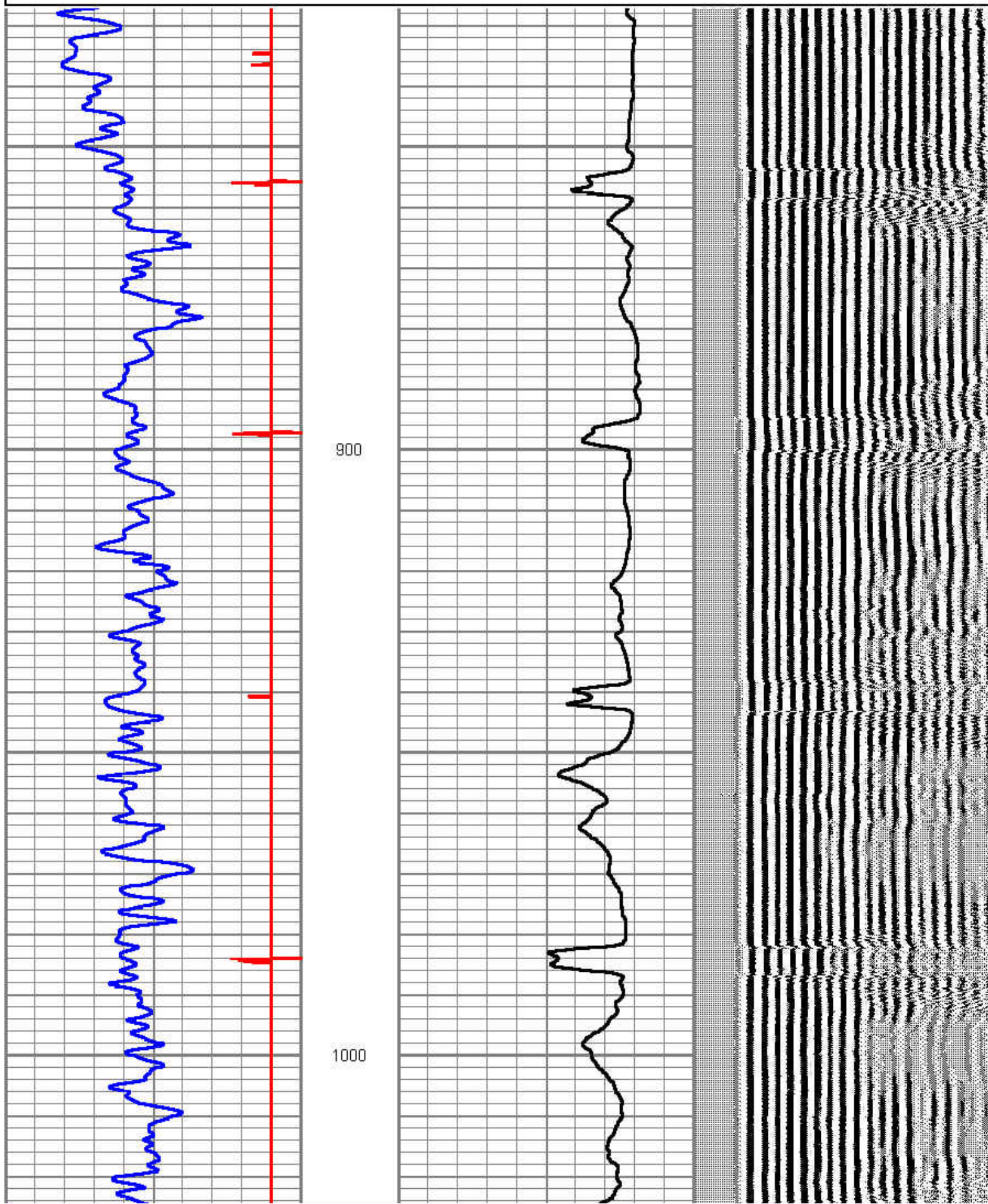
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 Dataset Pathname: pass7  
 Presentation Format: cbl\_dr  
 Dataset Creation: Tue Apr 30 13:27:08 2013 by Log SCH 120420



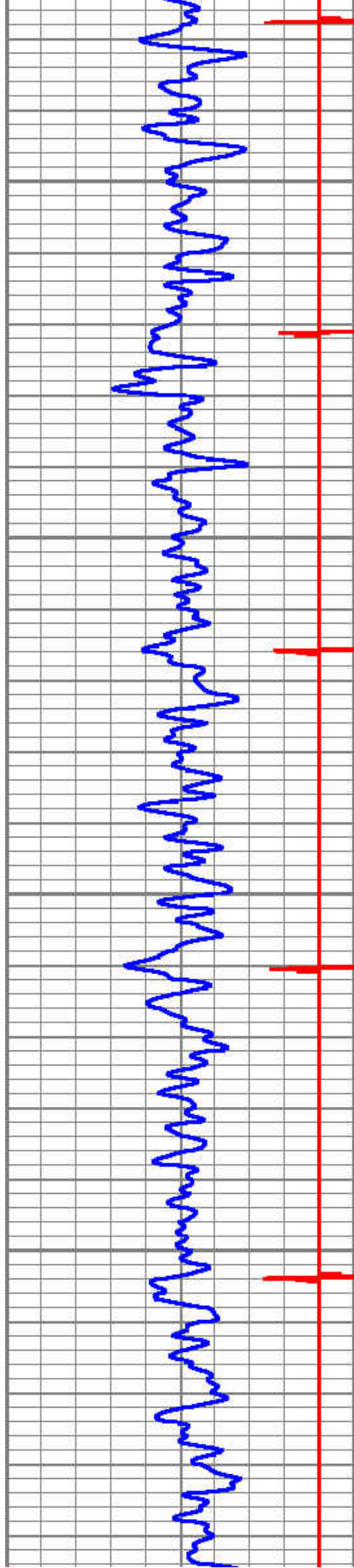
9	Collar Locator	-1
0	Gamma Ray (GAPI)	150

0	Amplified Amplitude (mV)	10
0	Amplitude (mV)	100

200 Variable Density 1200

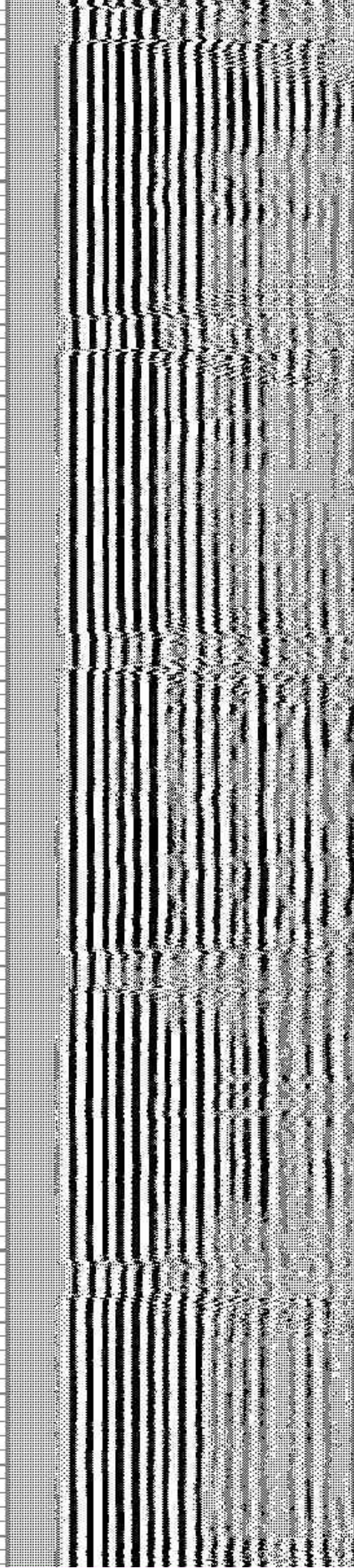
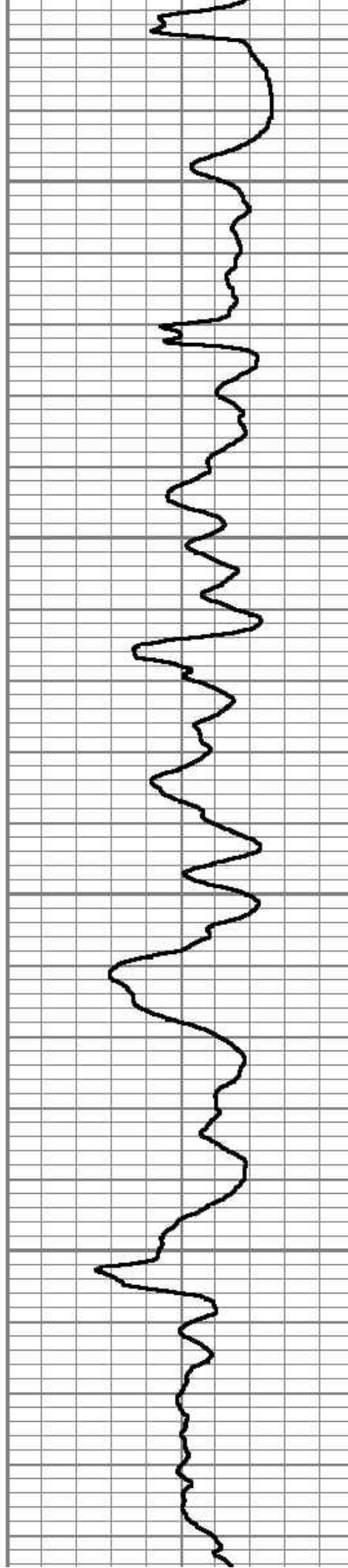




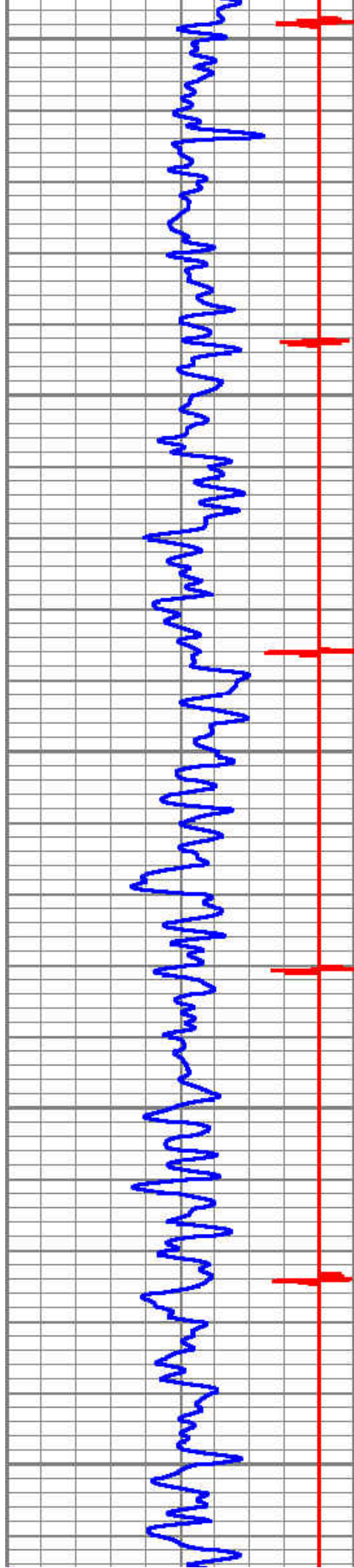


1100

1200



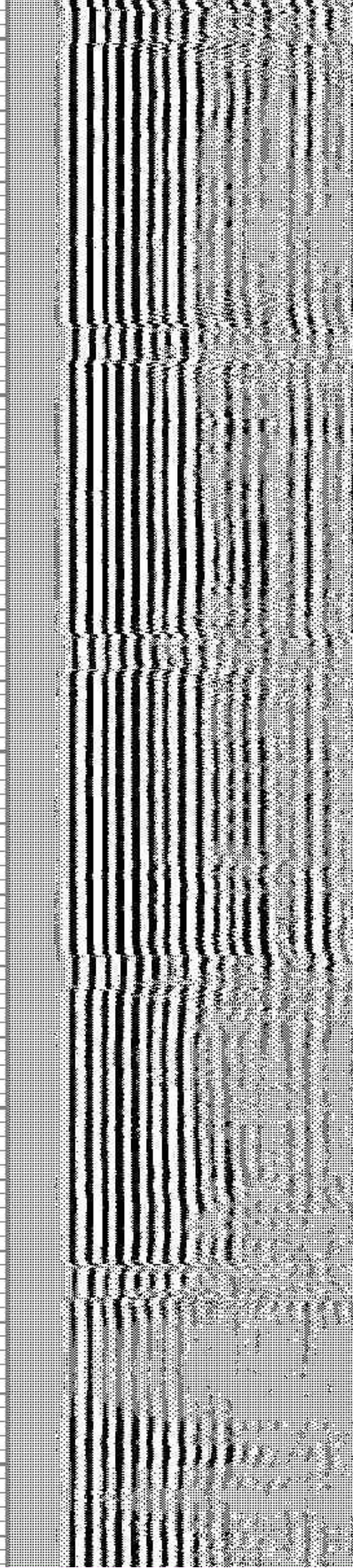
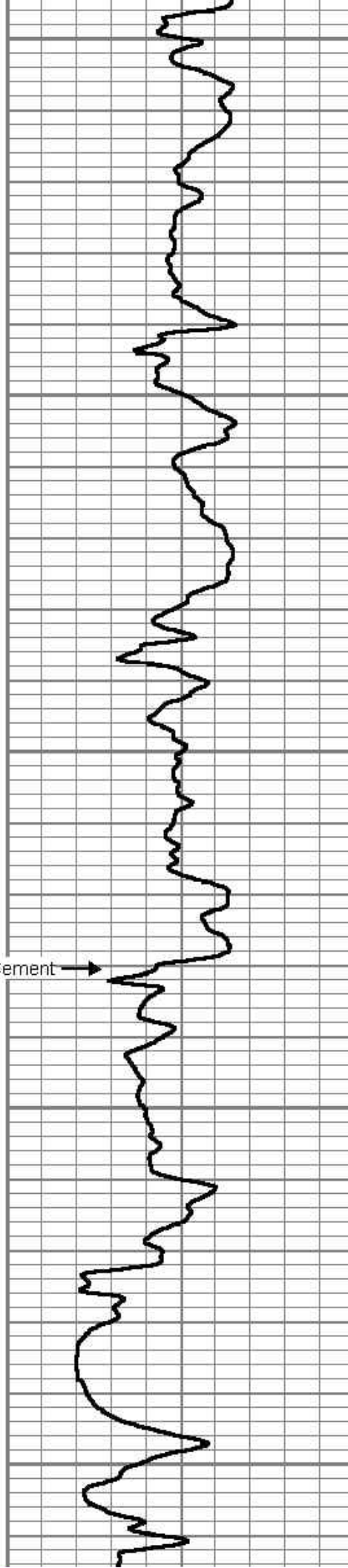




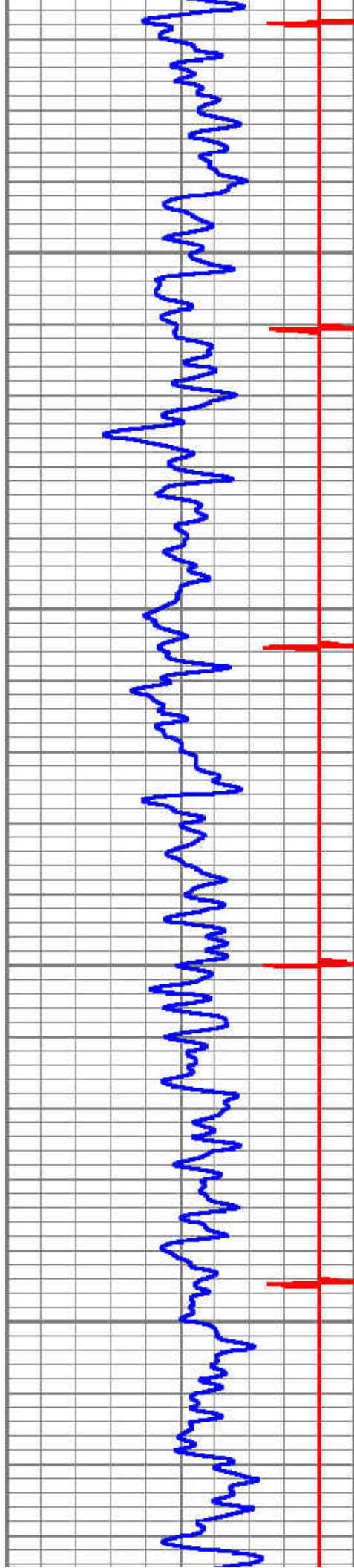
1300

Top of Cement →

1400

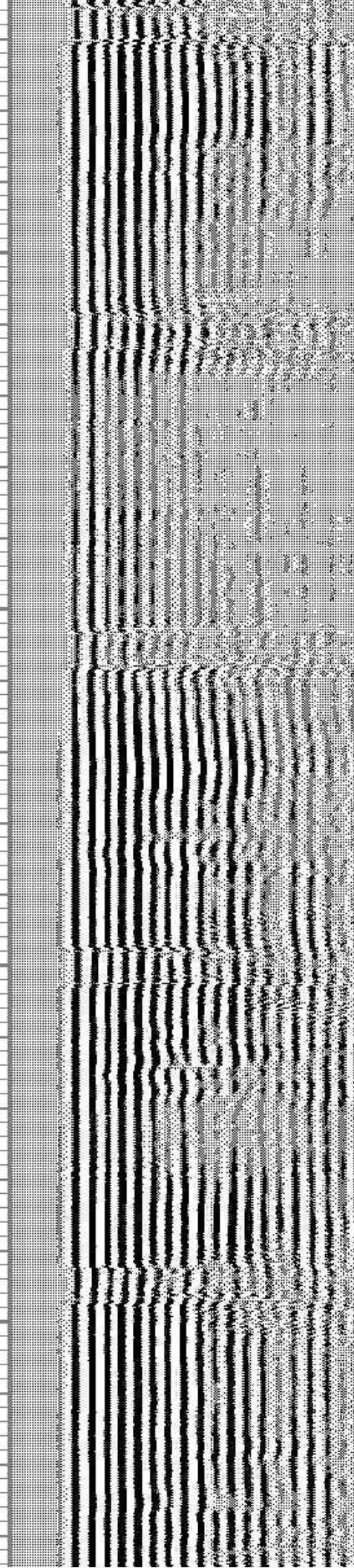
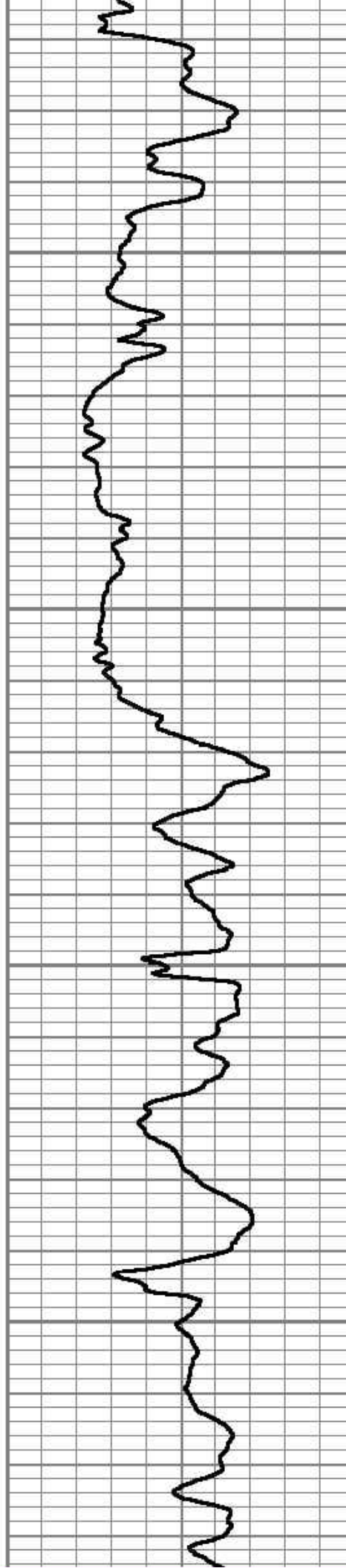




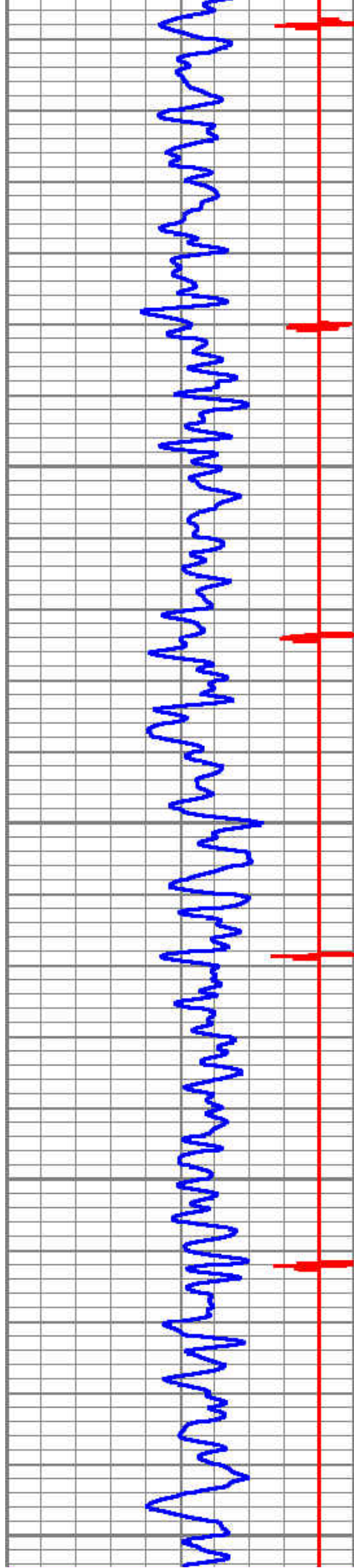


1500

1600



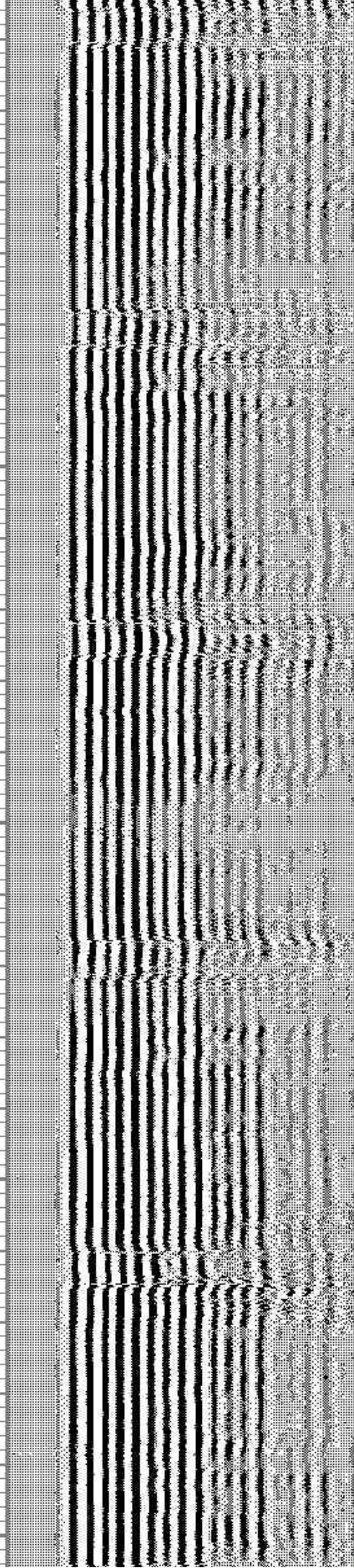
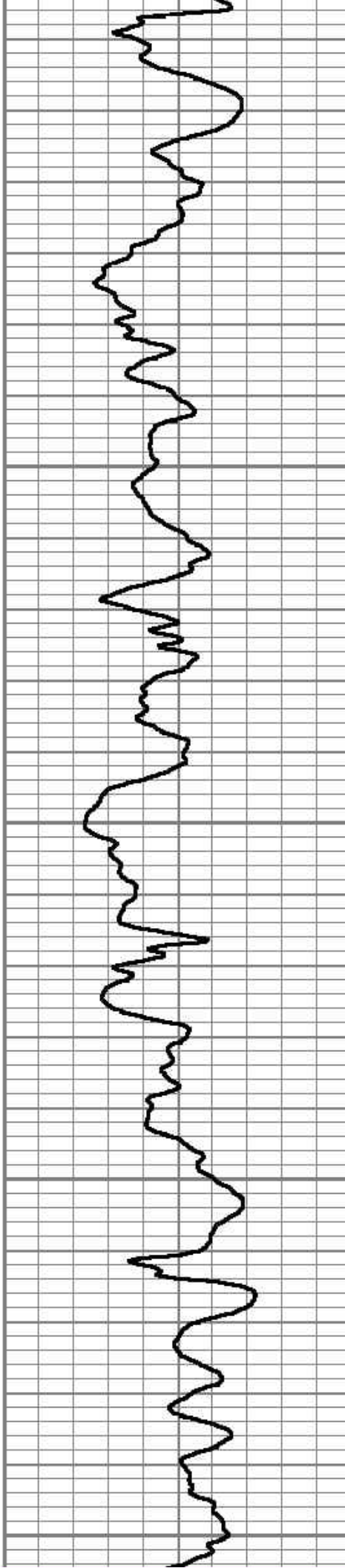




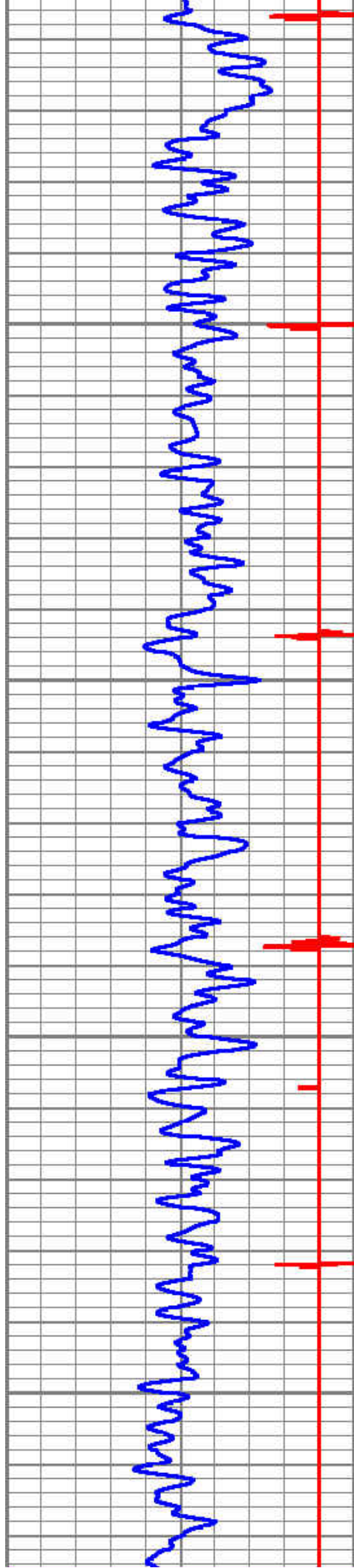
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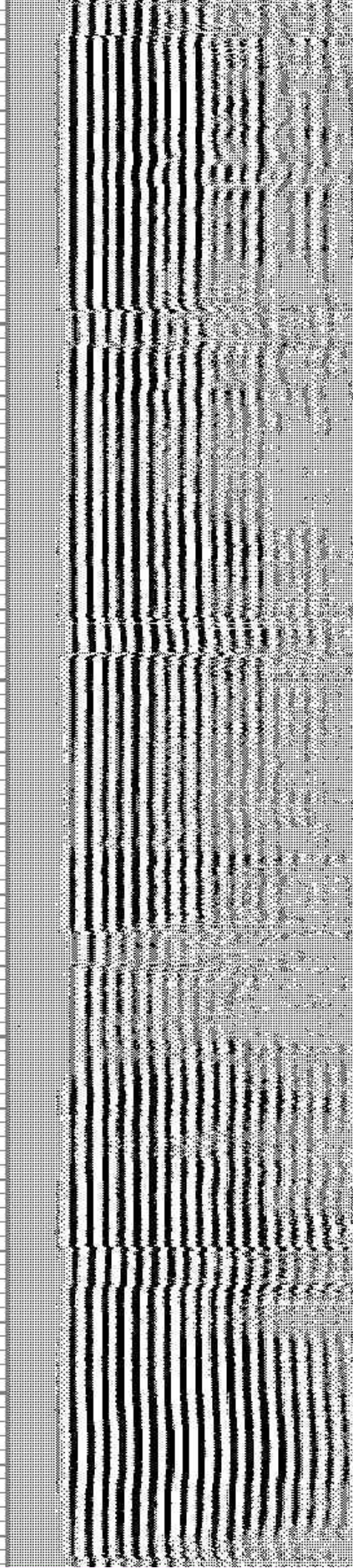
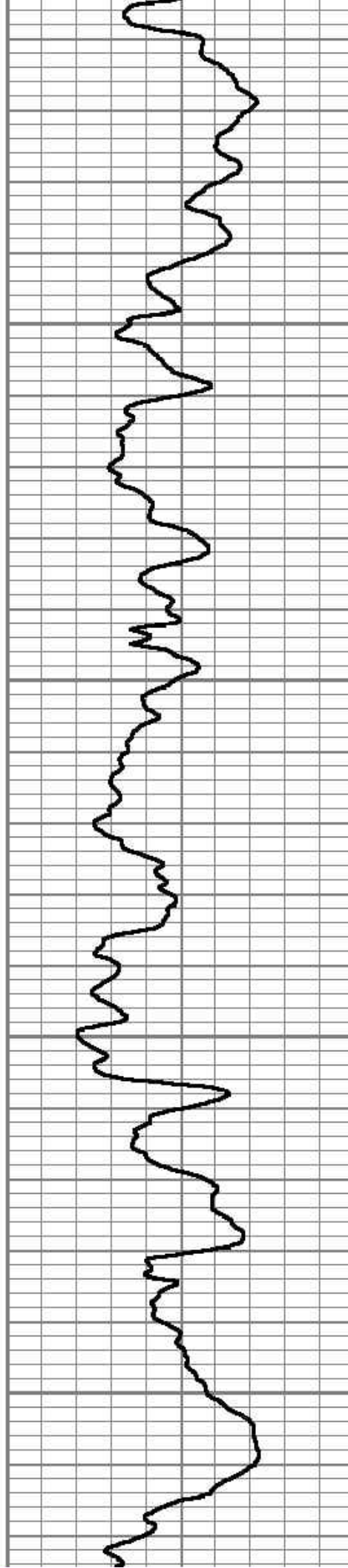




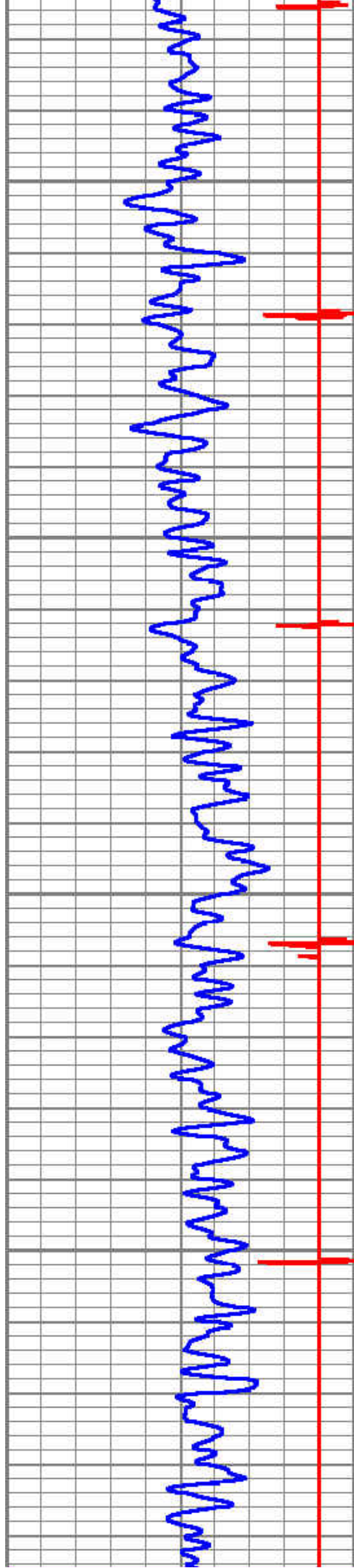


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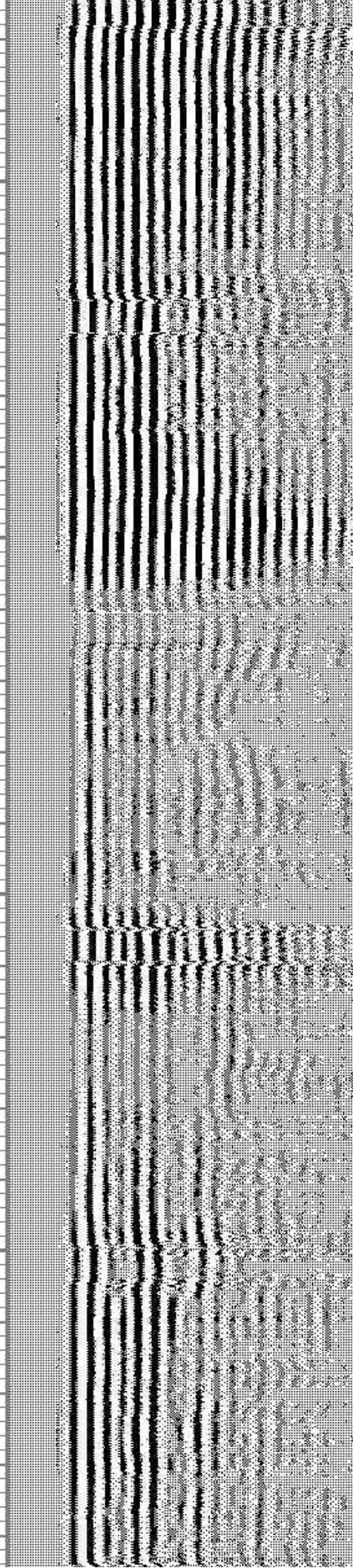
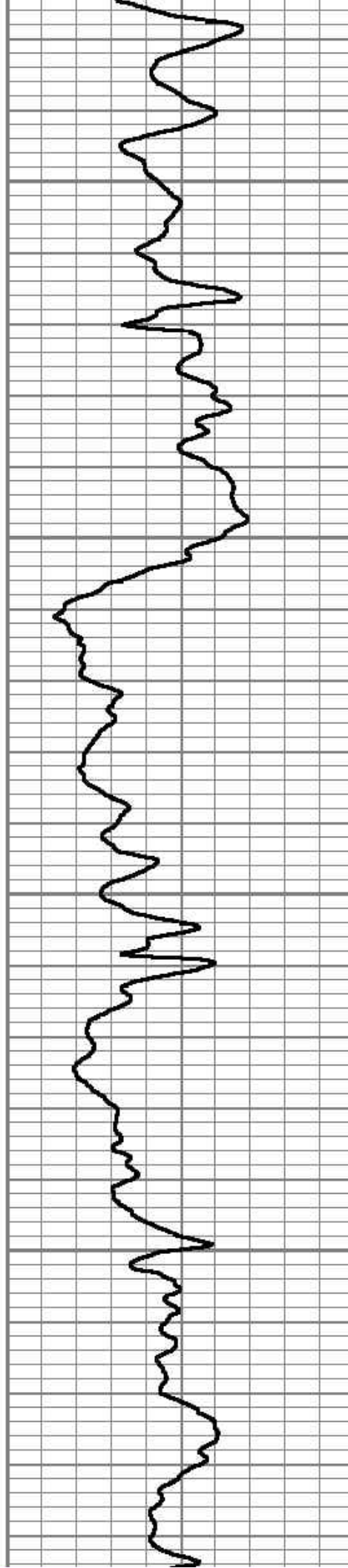




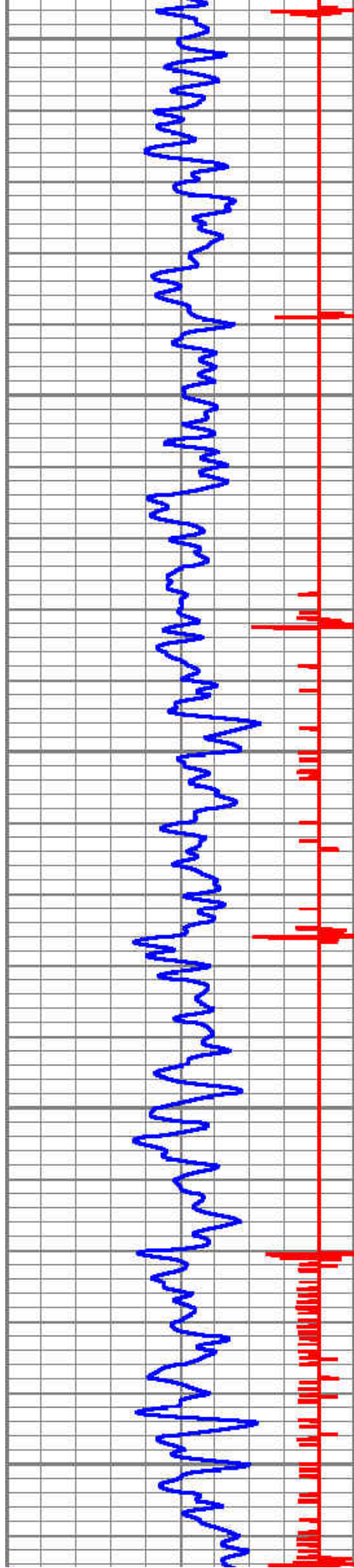


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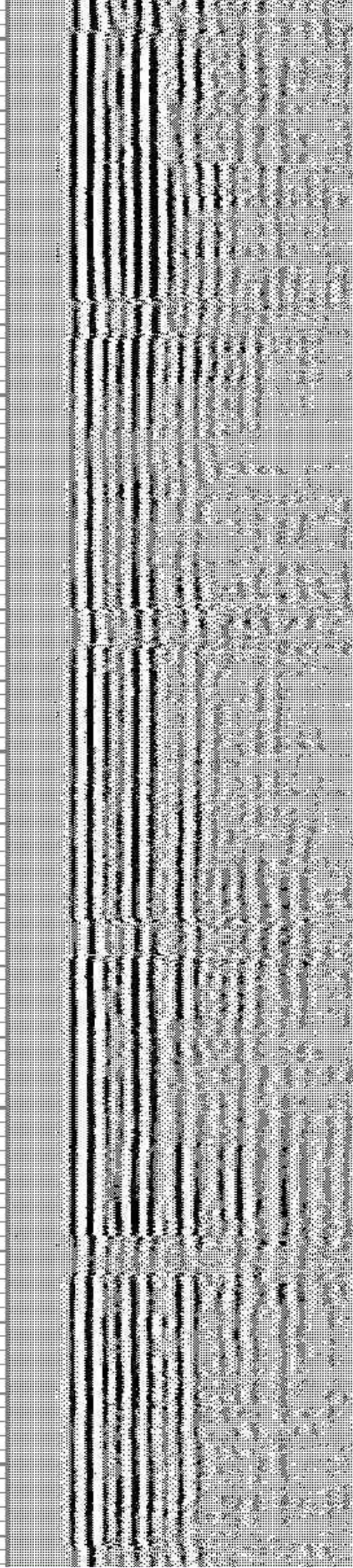
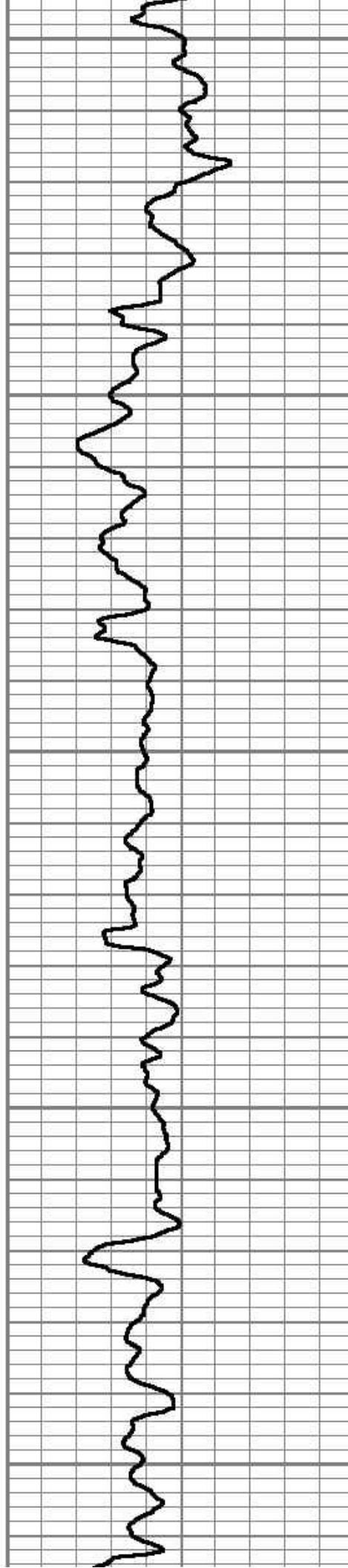




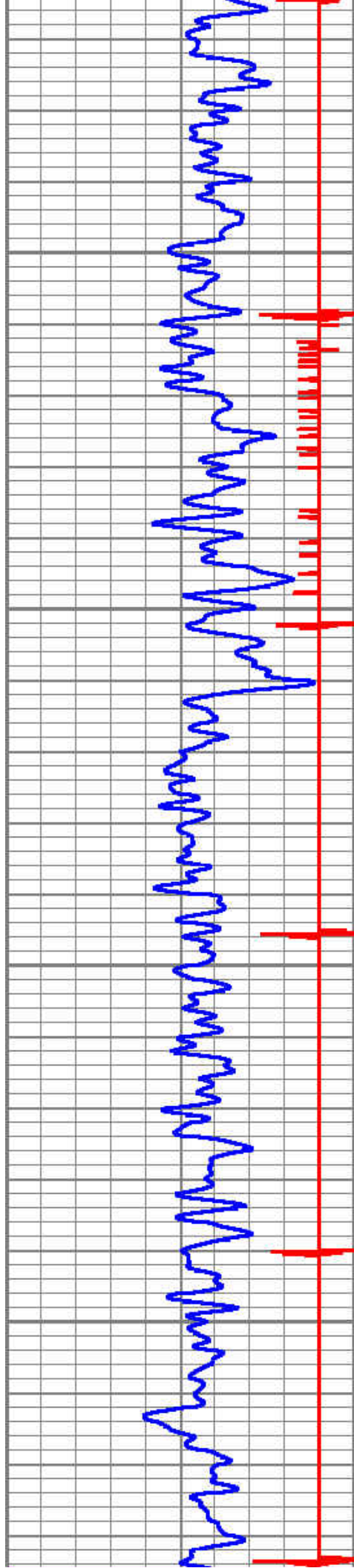


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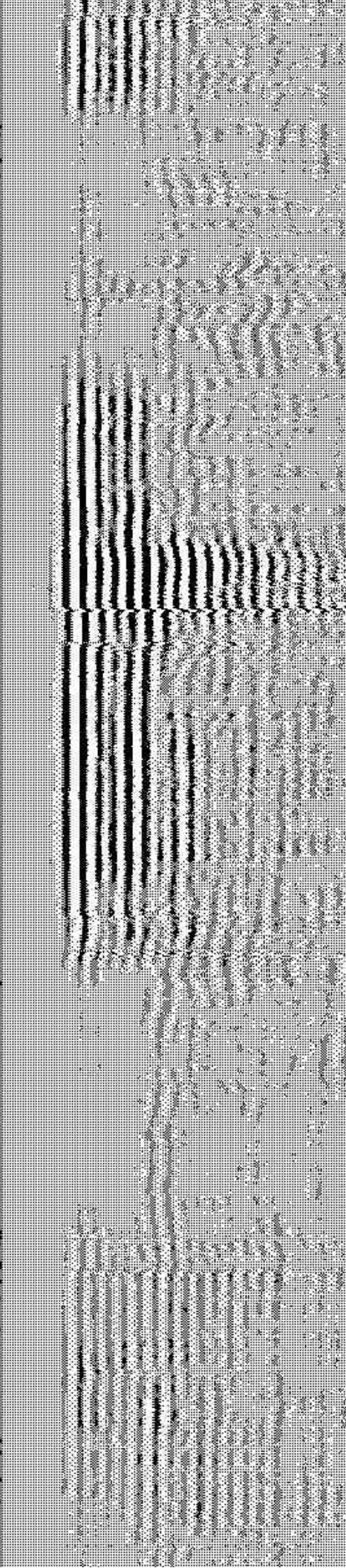
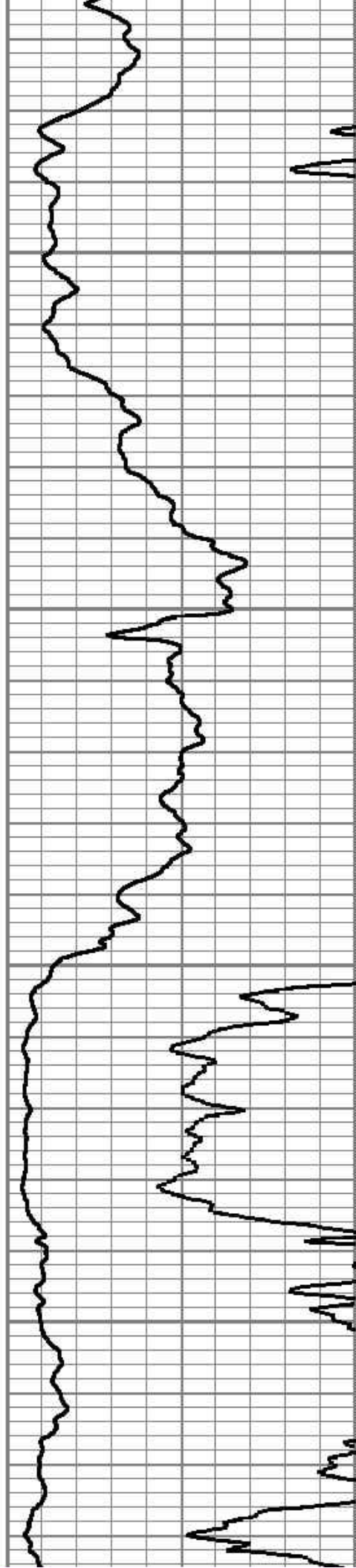




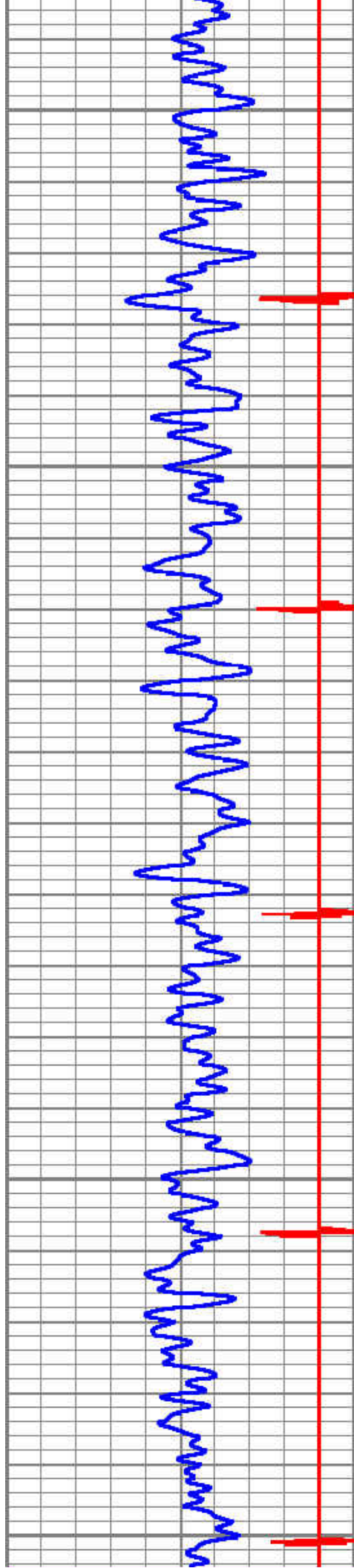


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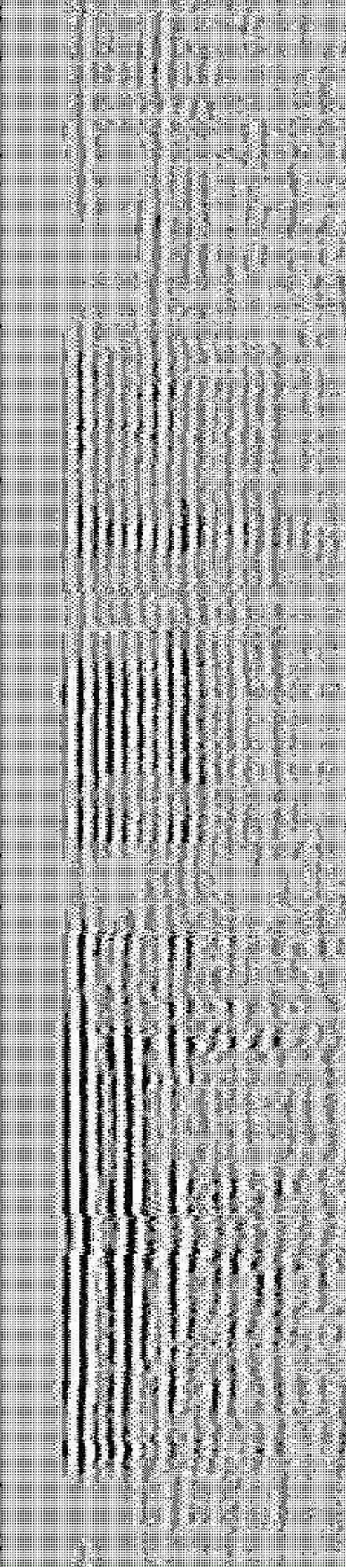
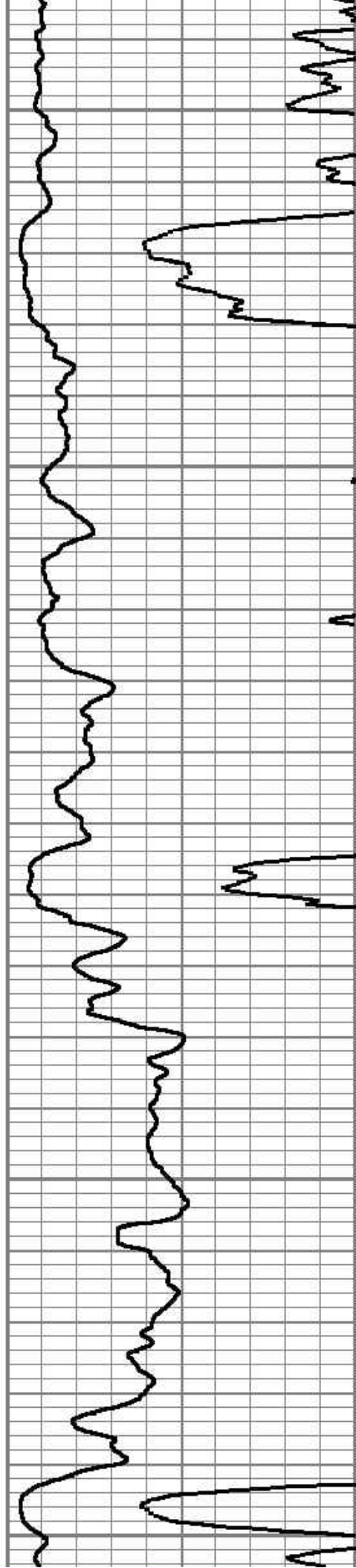




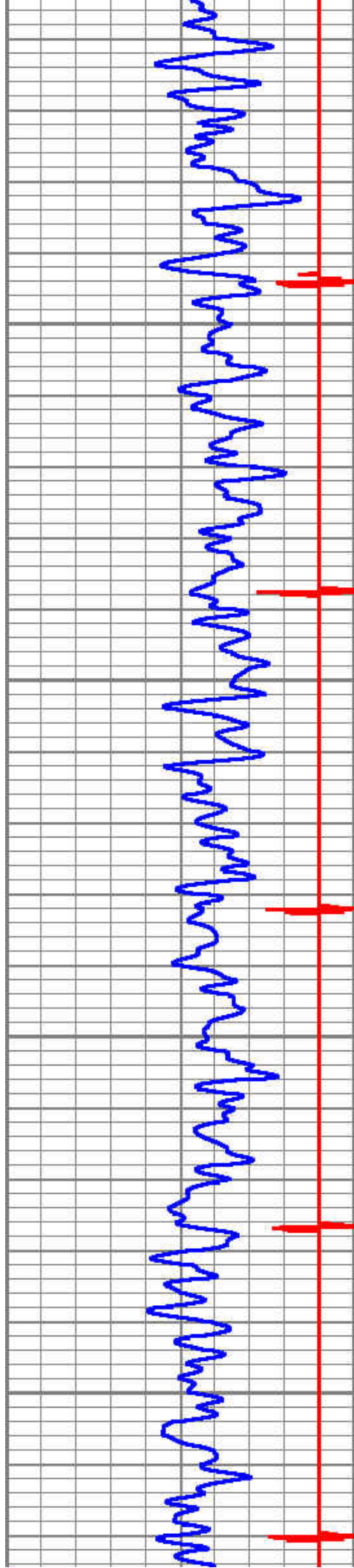
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2900

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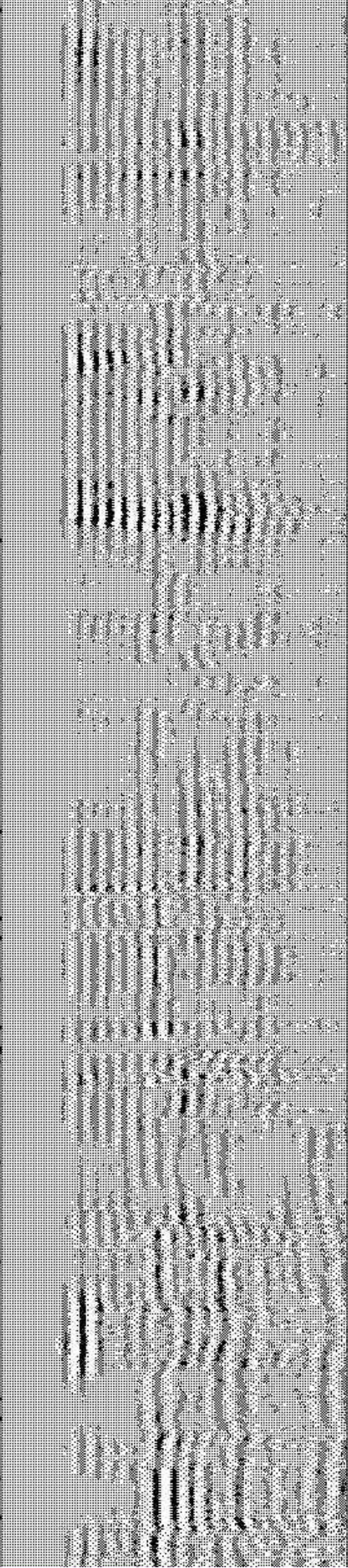
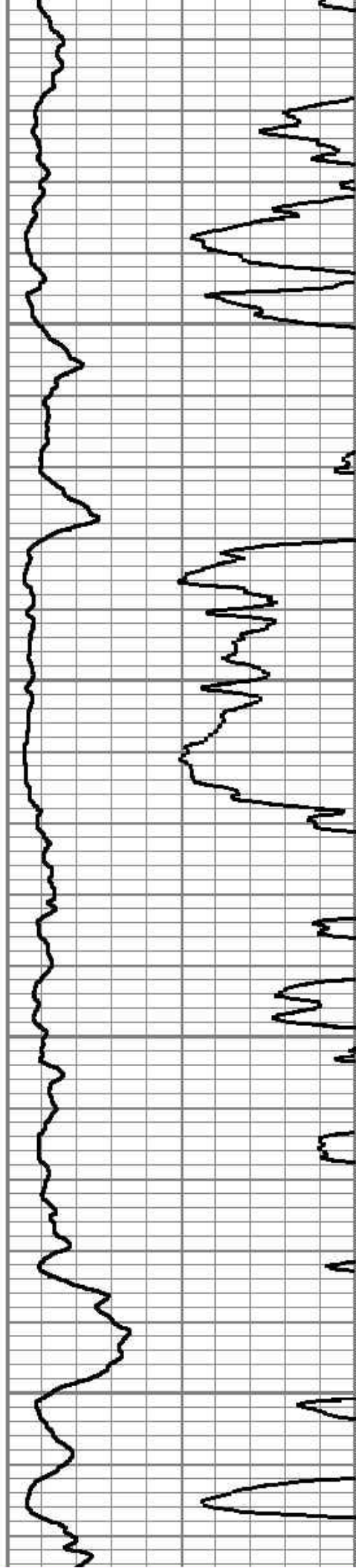




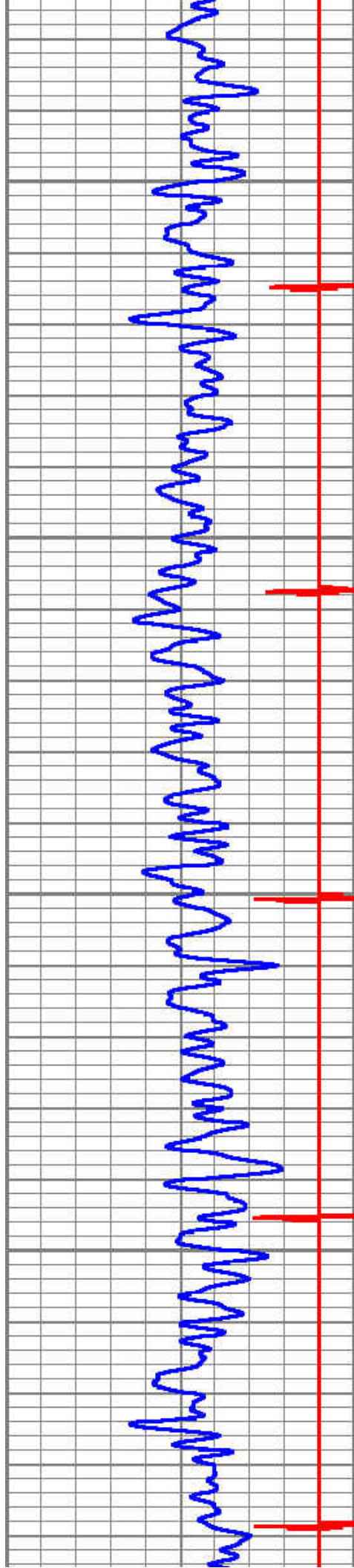


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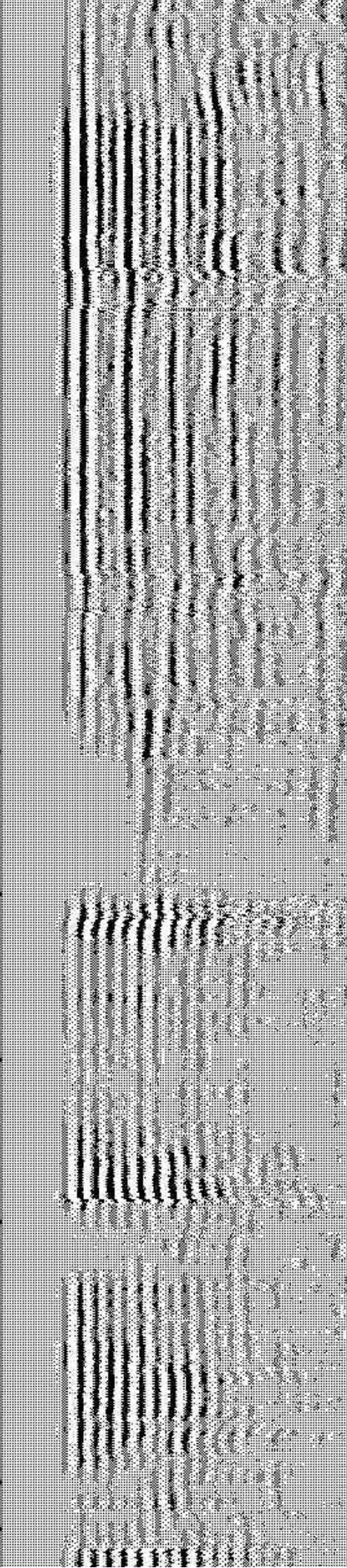
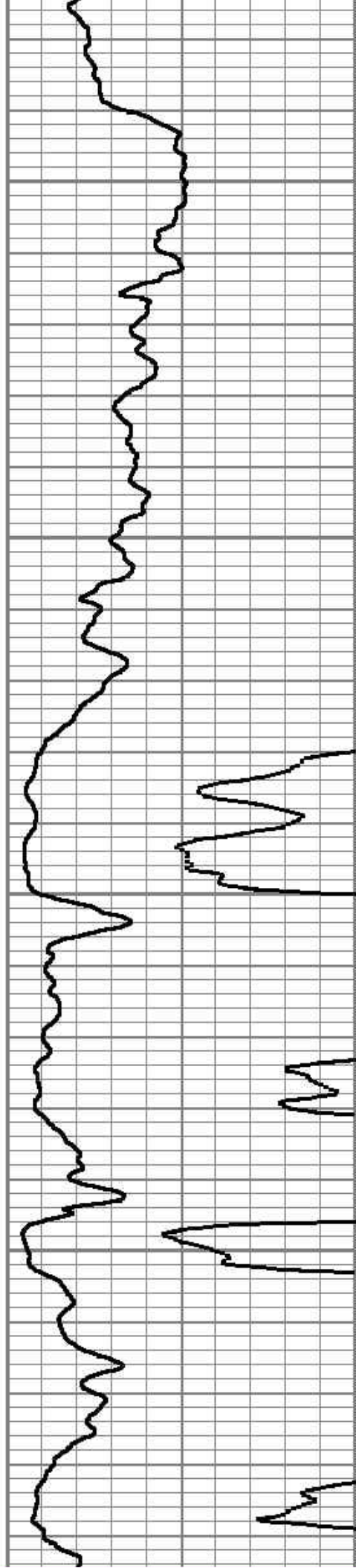




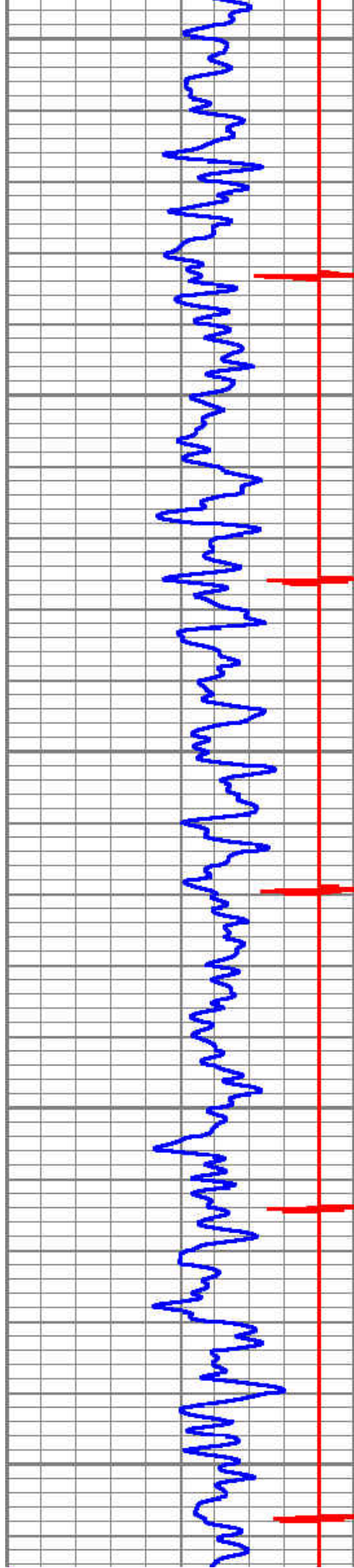


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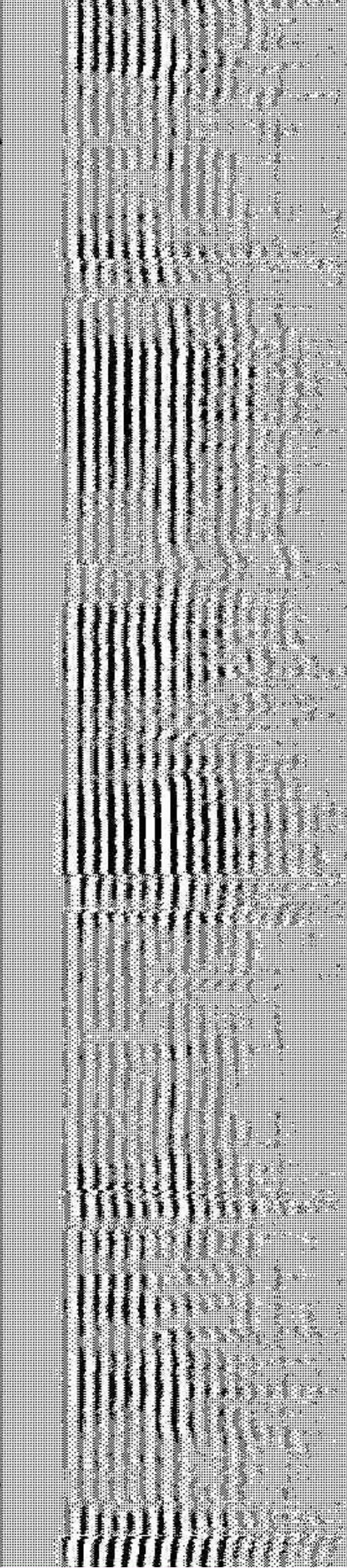
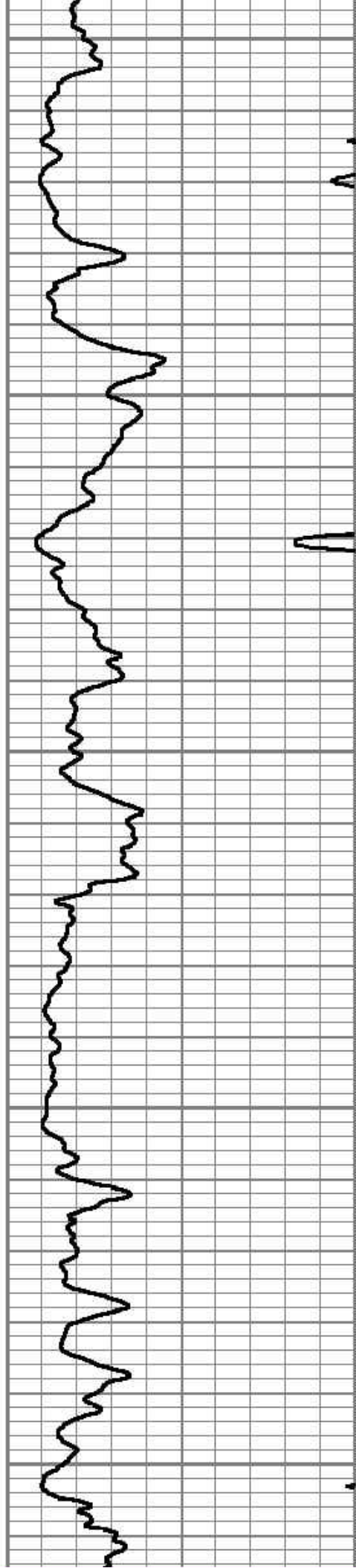




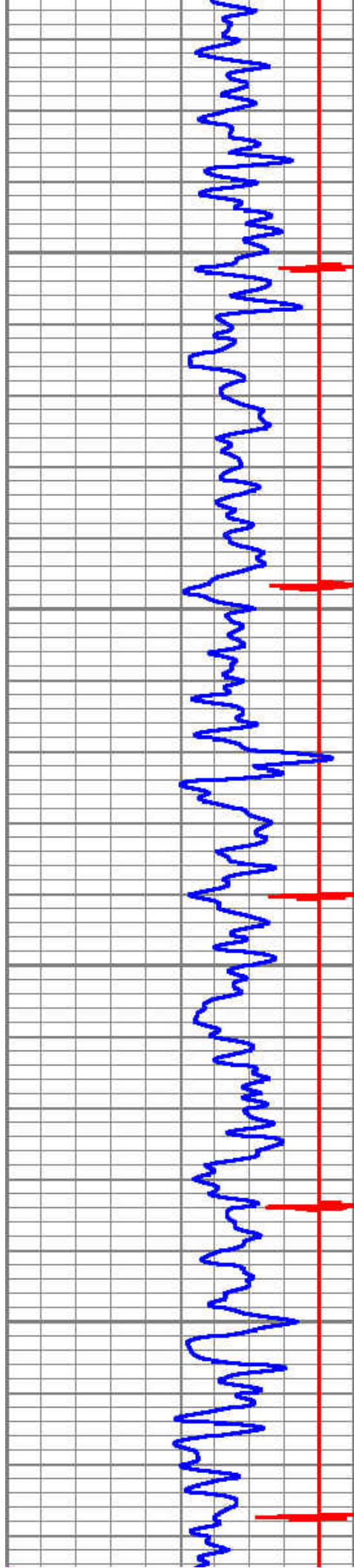


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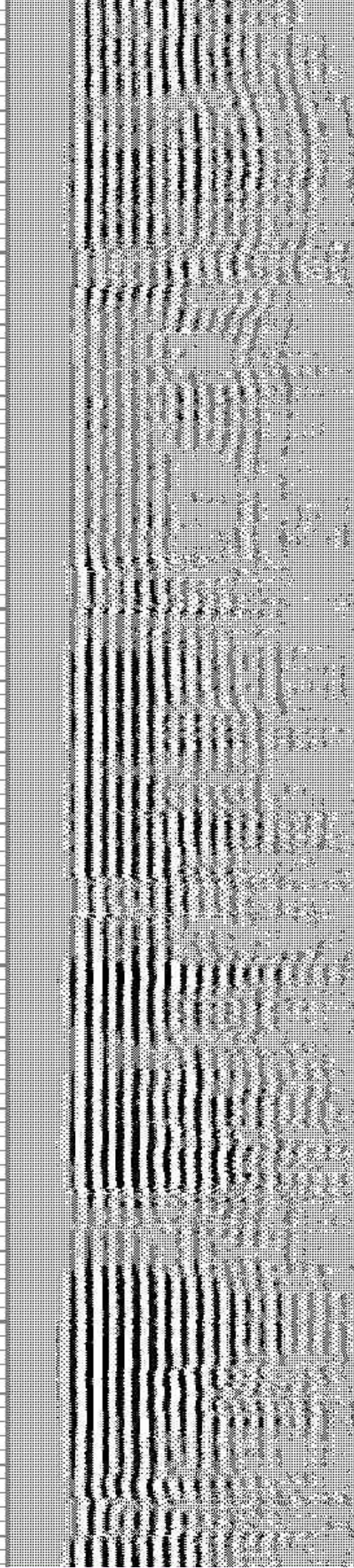
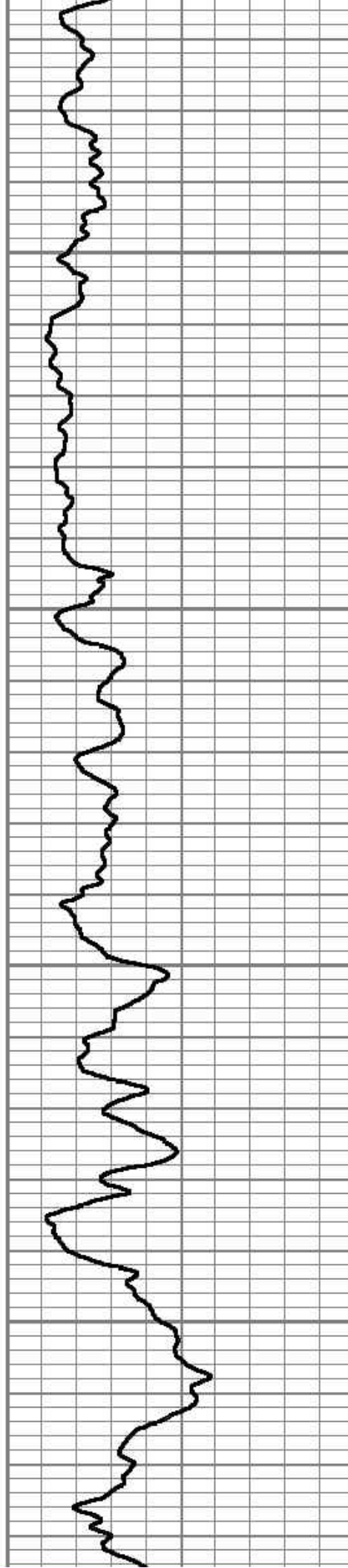




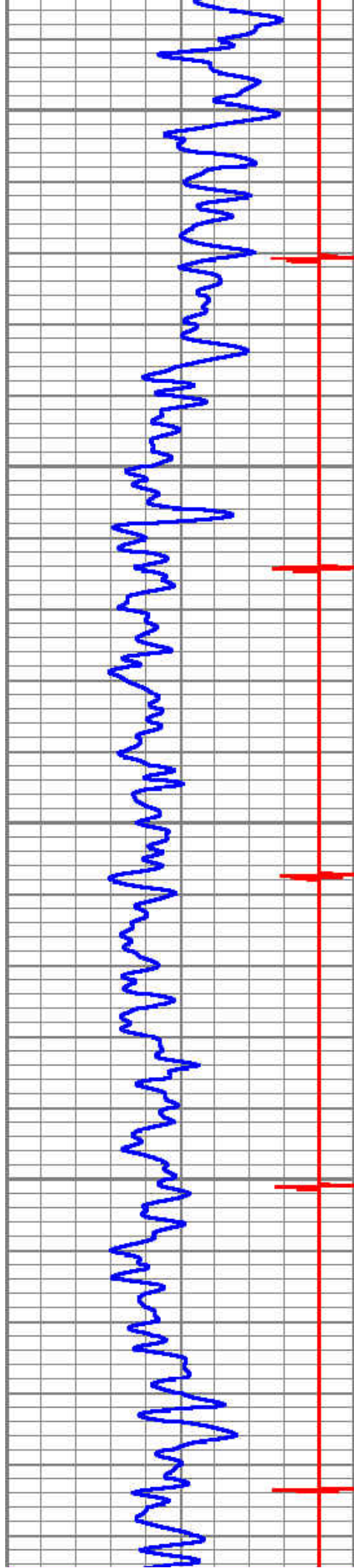


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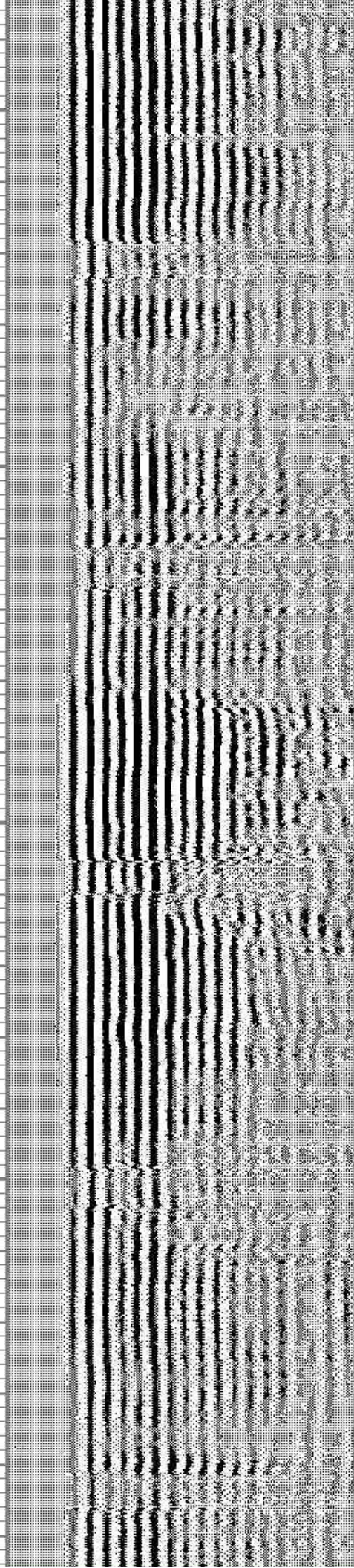
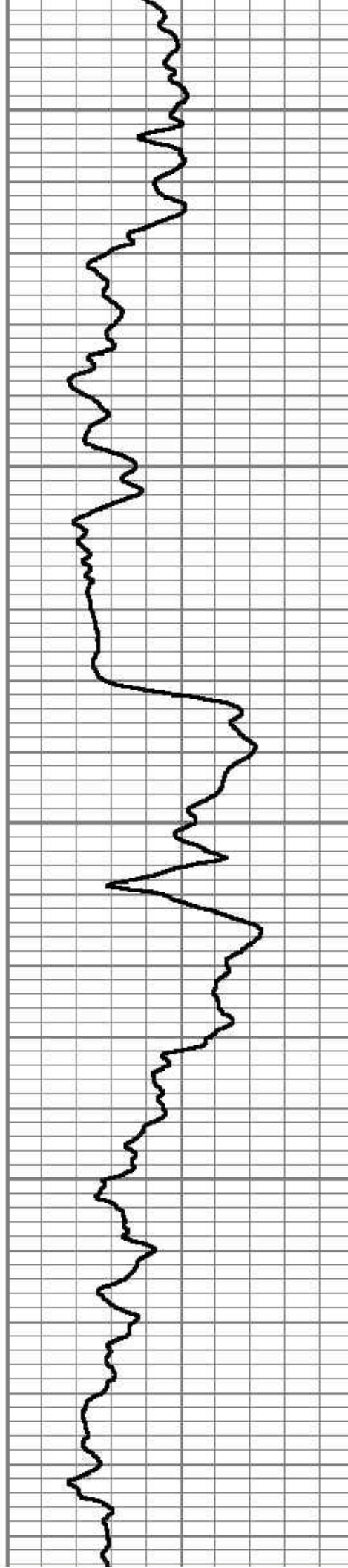




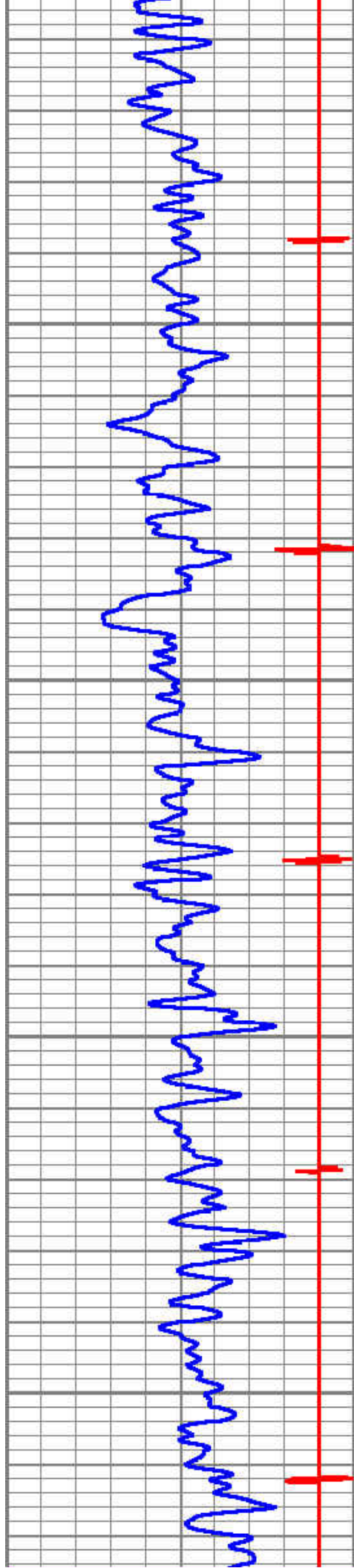
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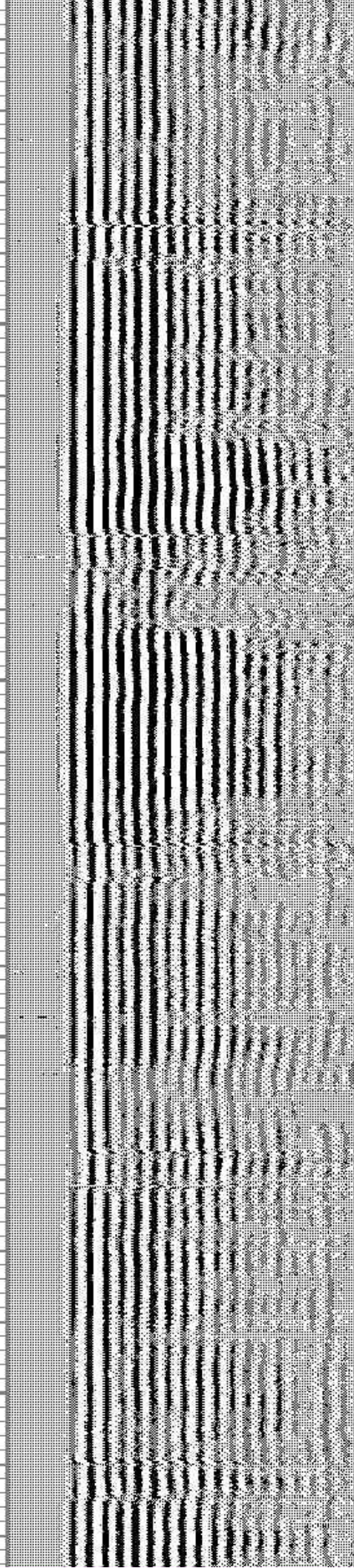
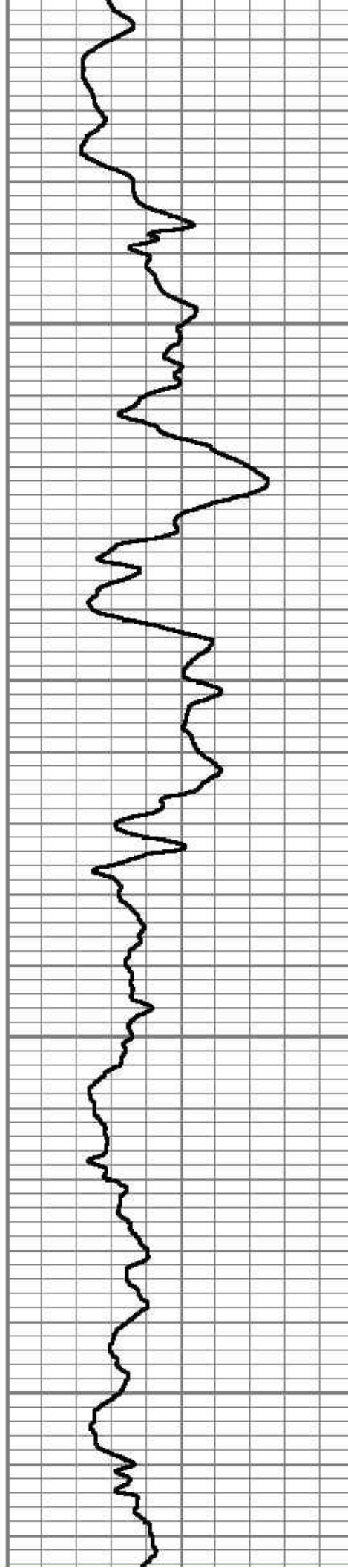




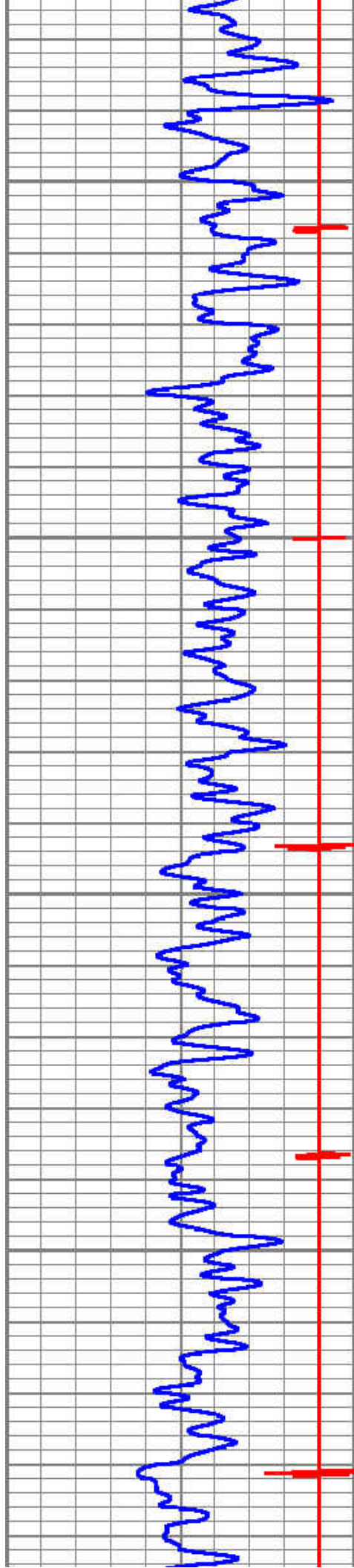


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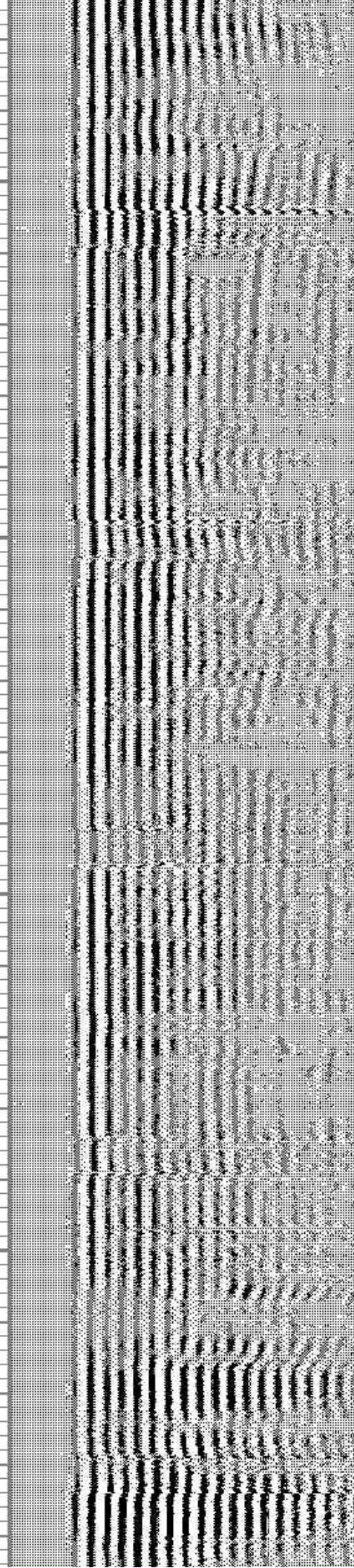
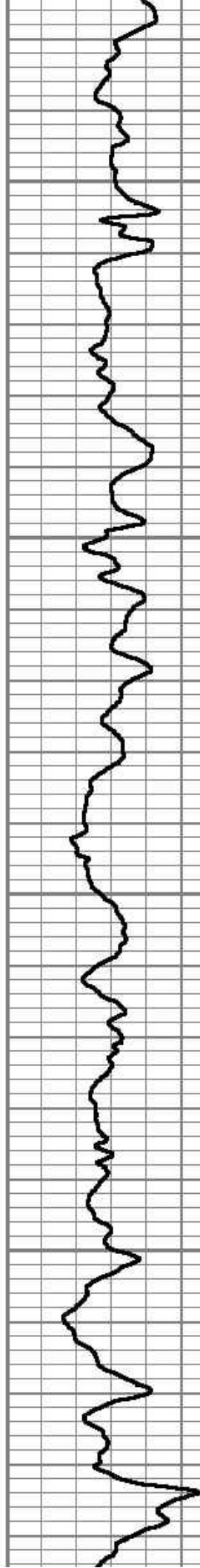




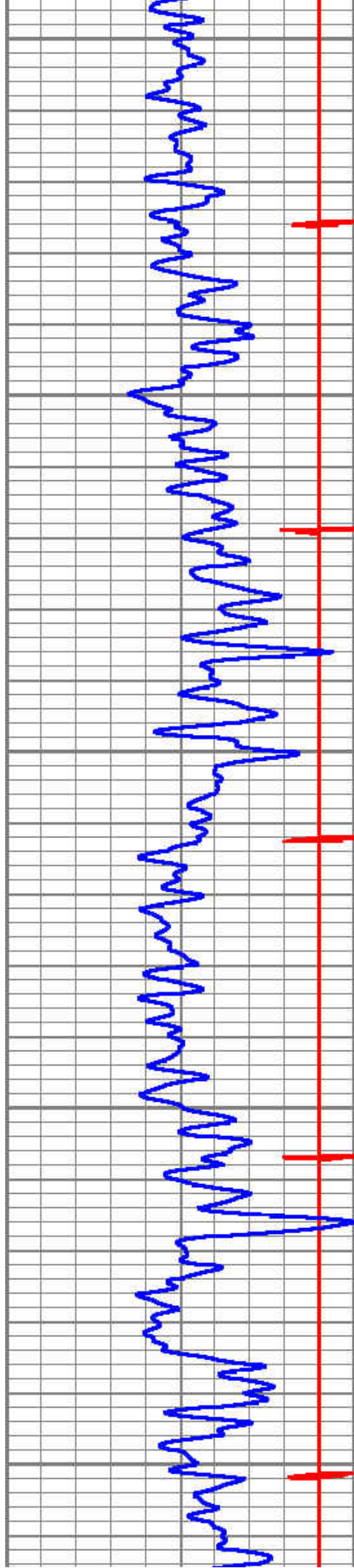


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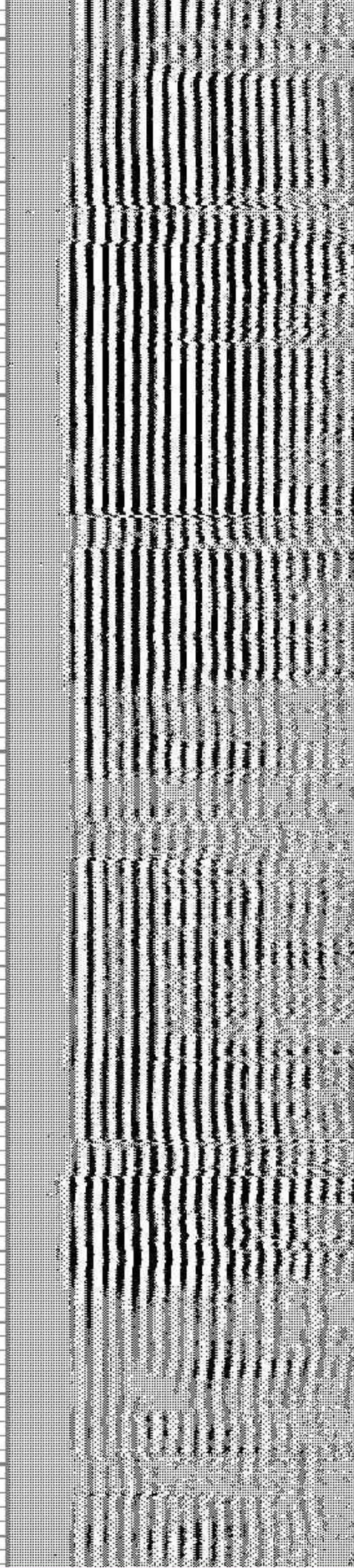
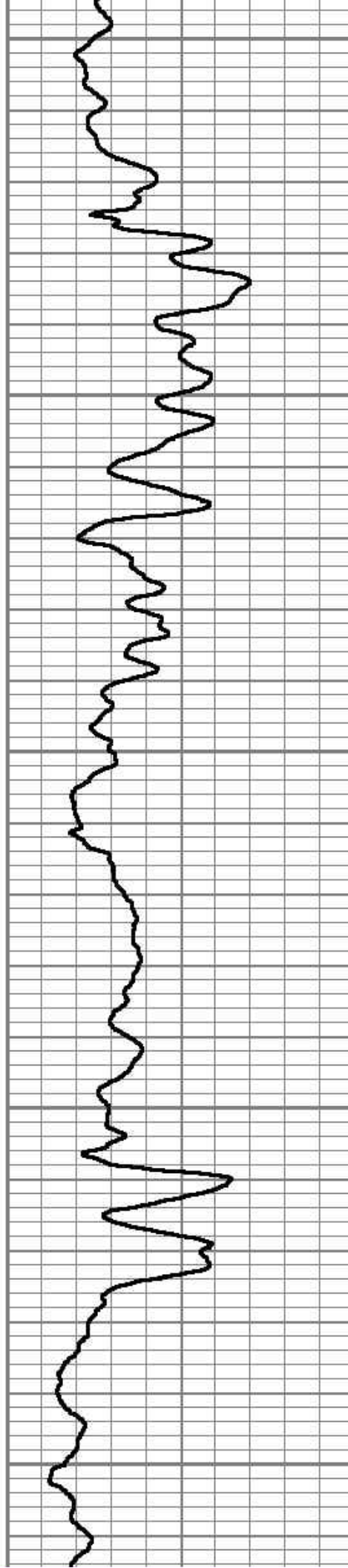




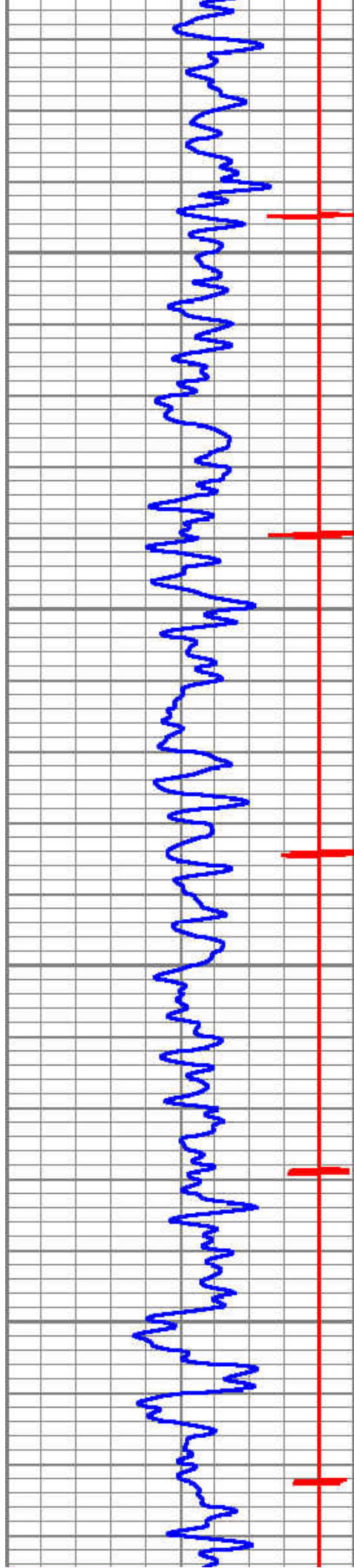


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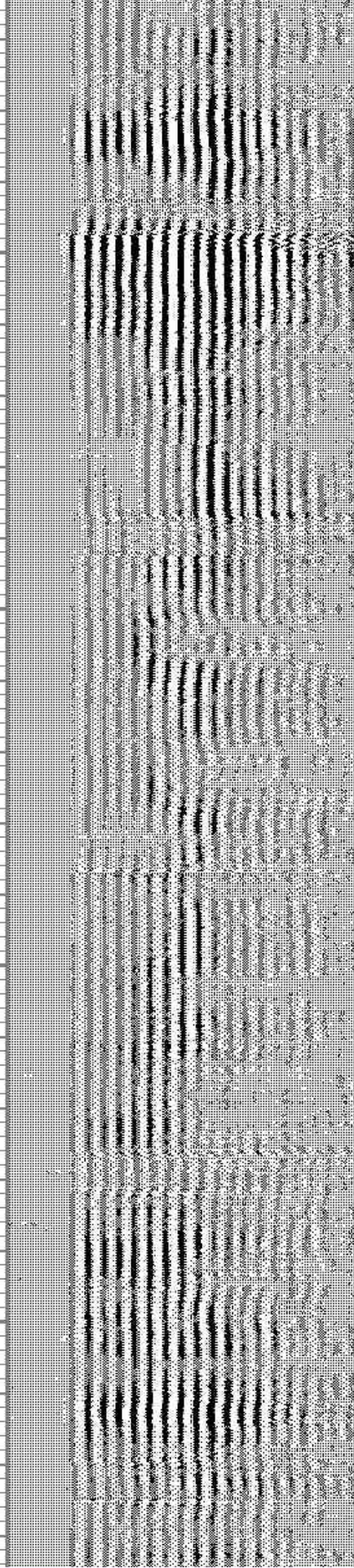
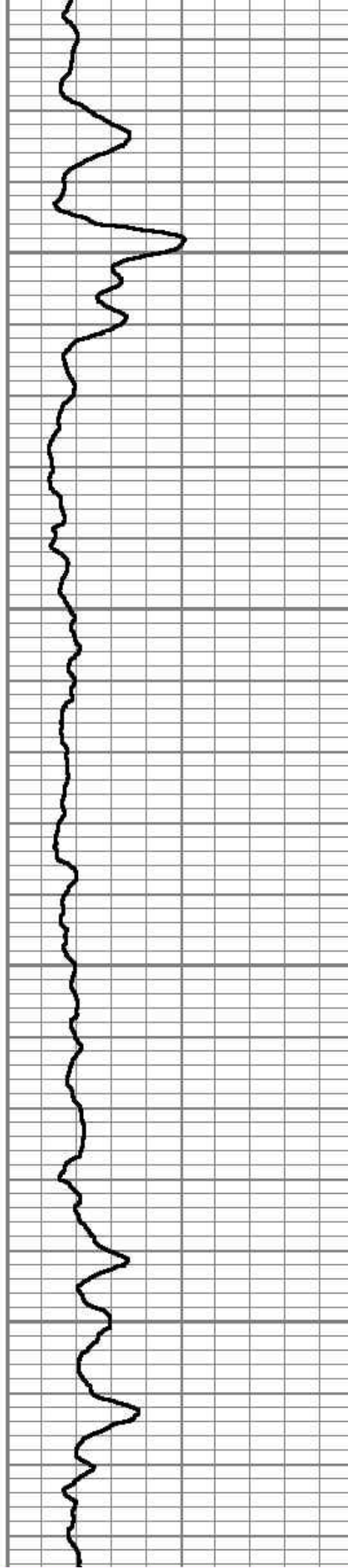




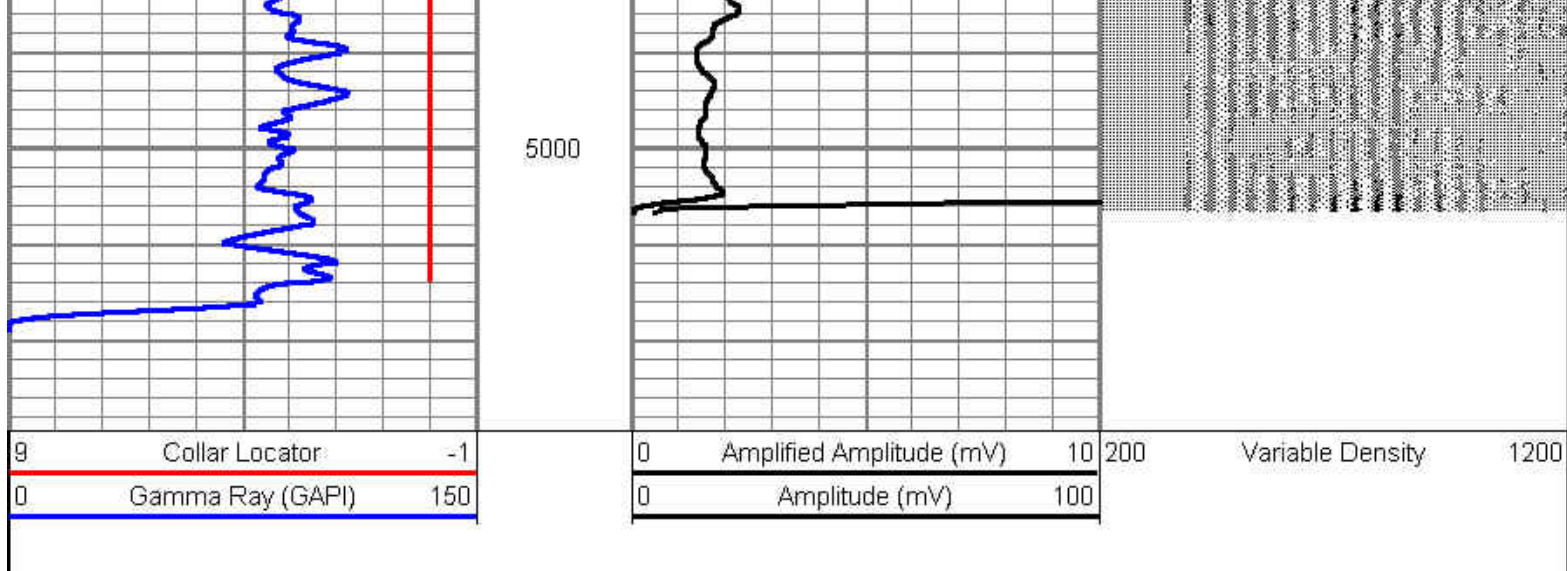


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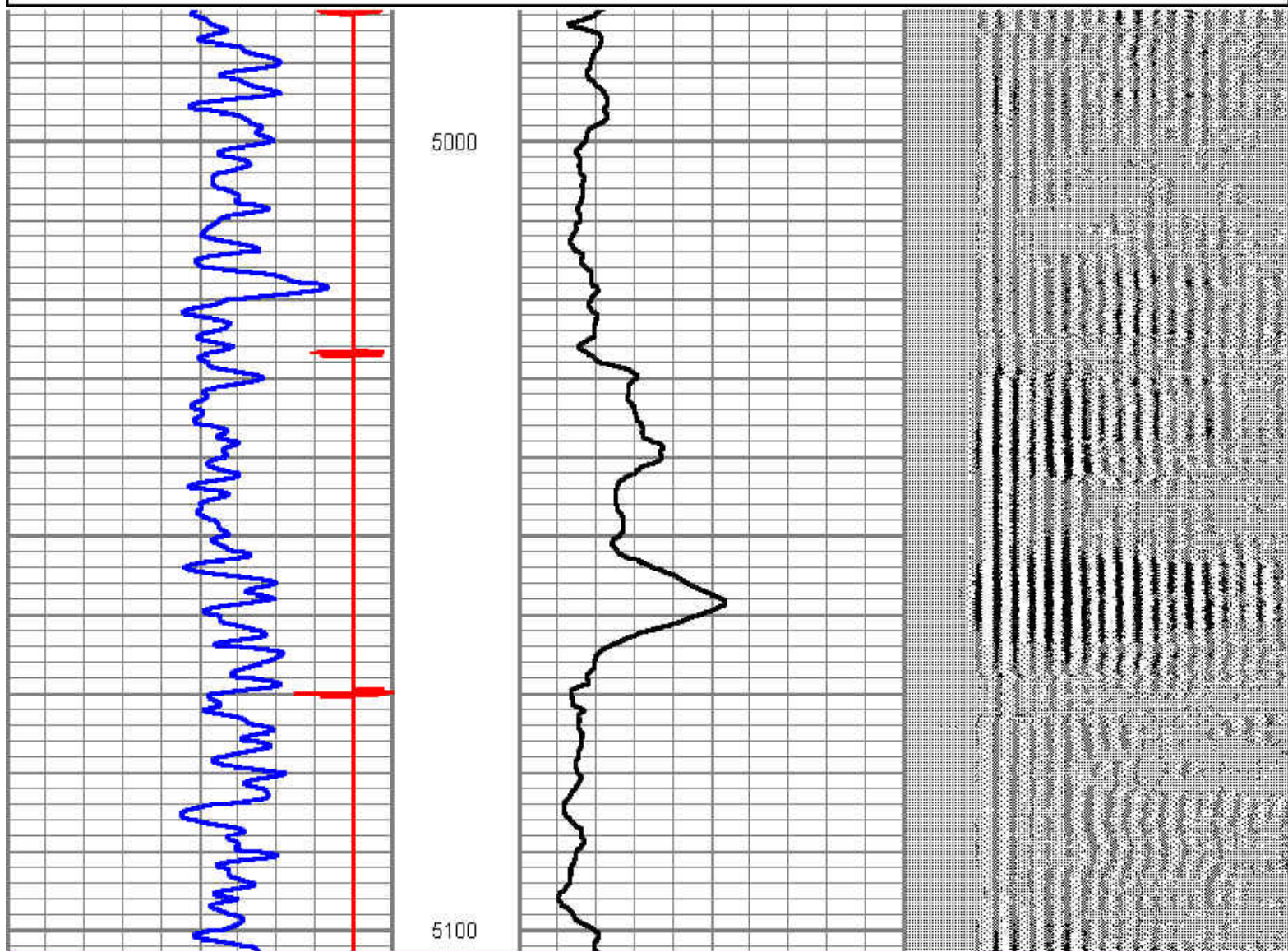
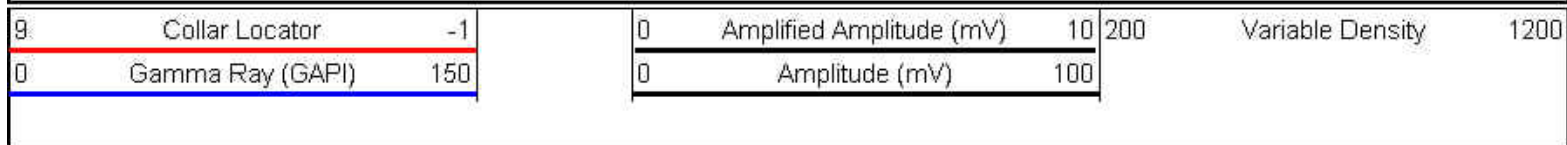
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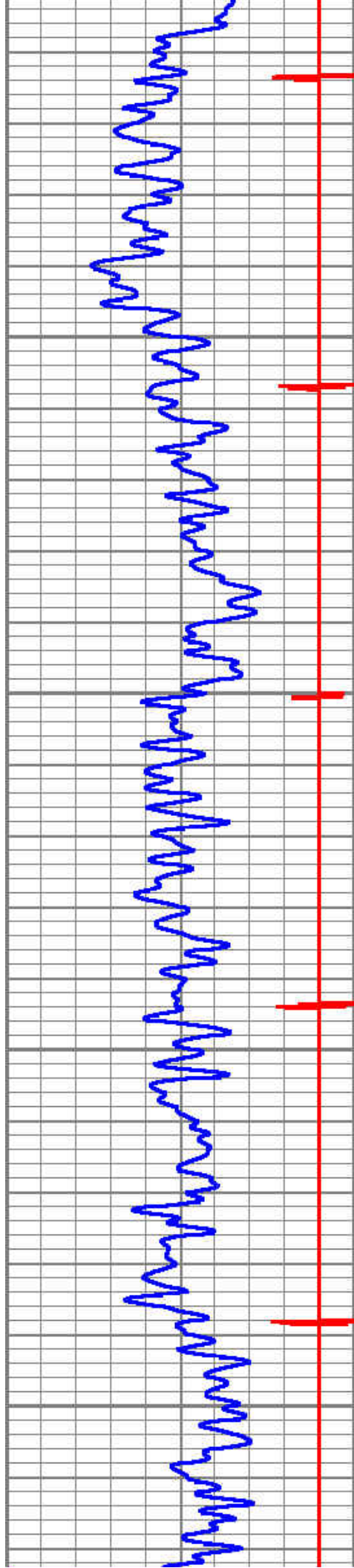




Database File: thorton 13-22 bayswater.db  
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 Presentation Format: cbl\_dr  
 Dataset Creation: Tue Apr 30 12:19:35 2013 by Log SCH 120430  
 Charted by: Depth in Feet scaled 1:240

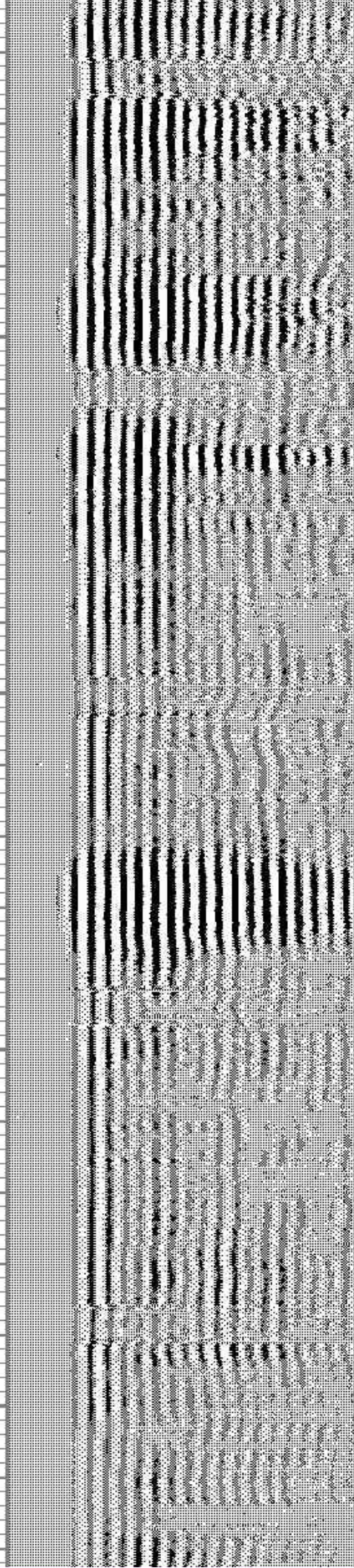
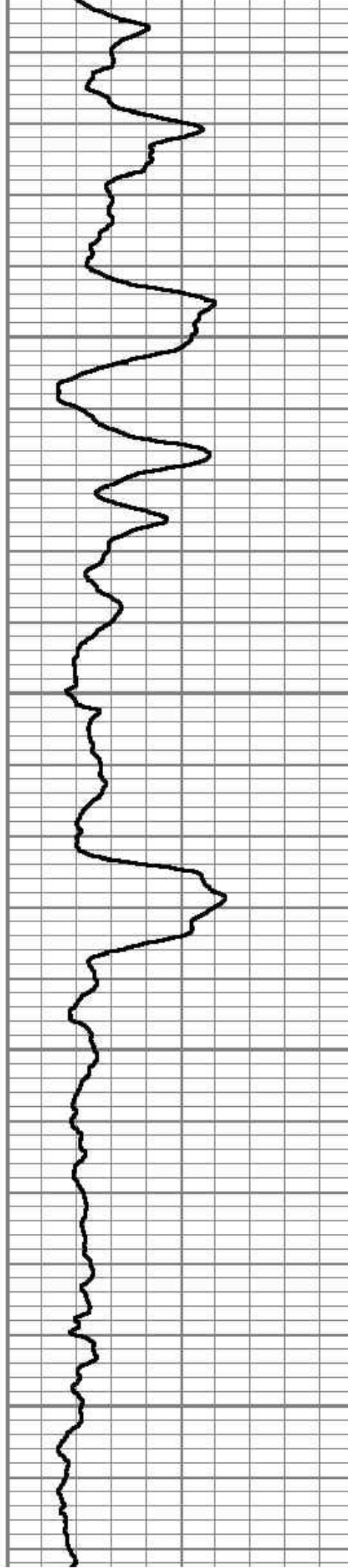




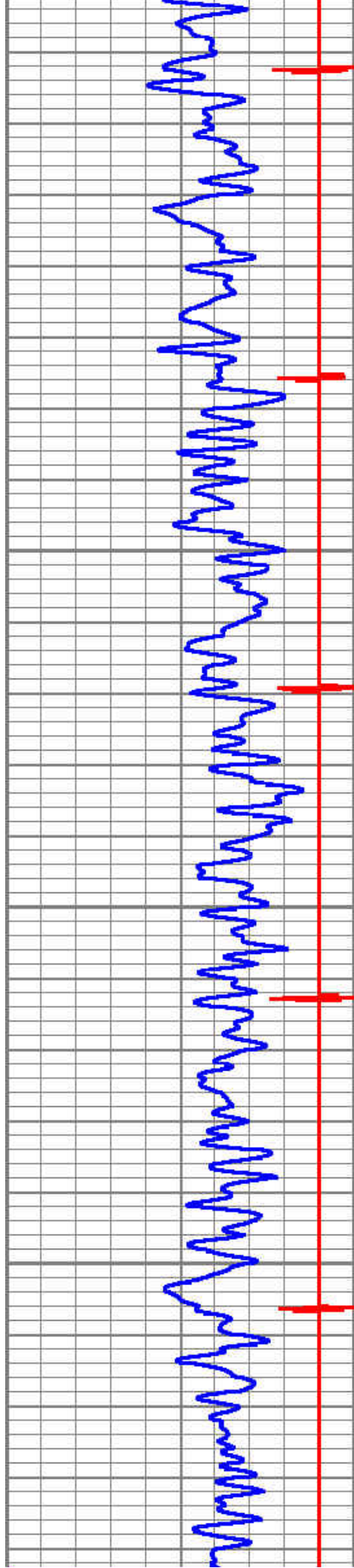


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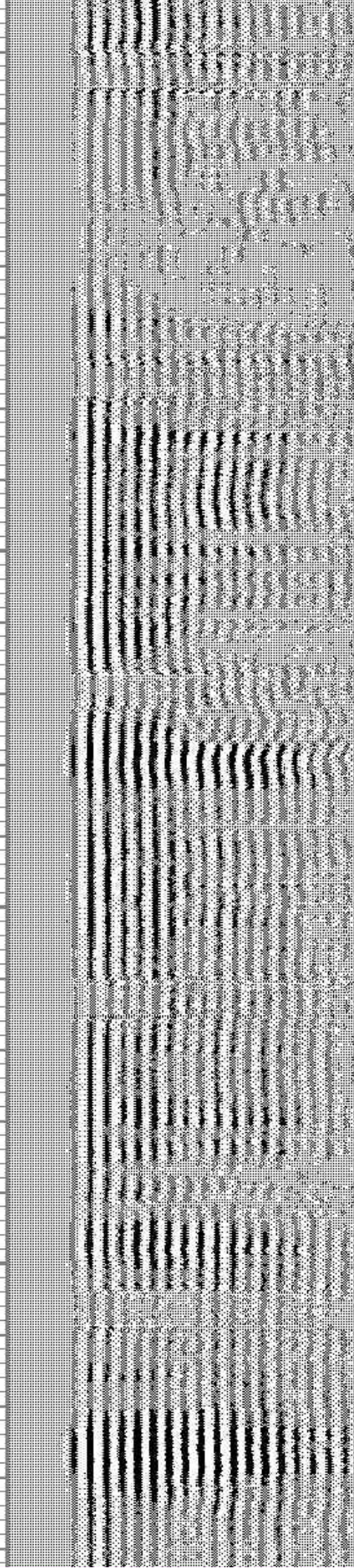
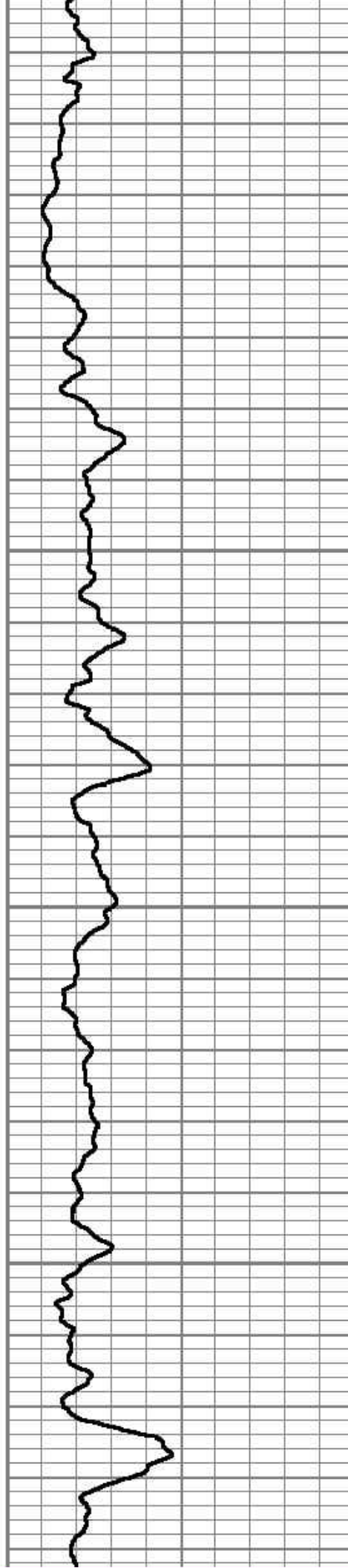




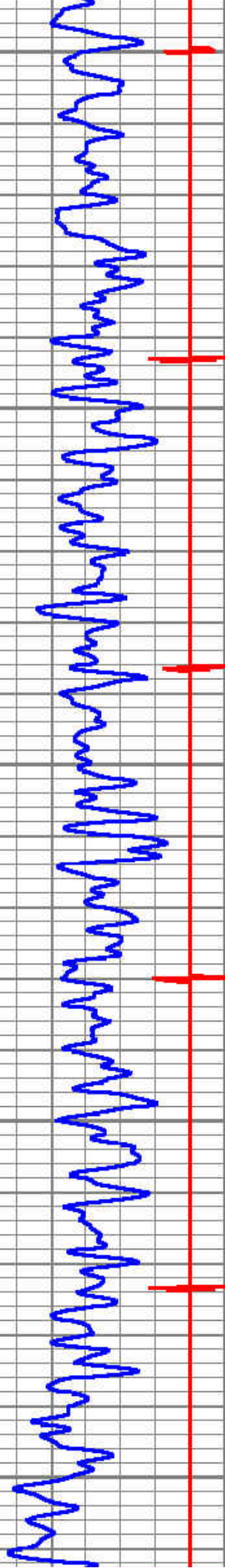


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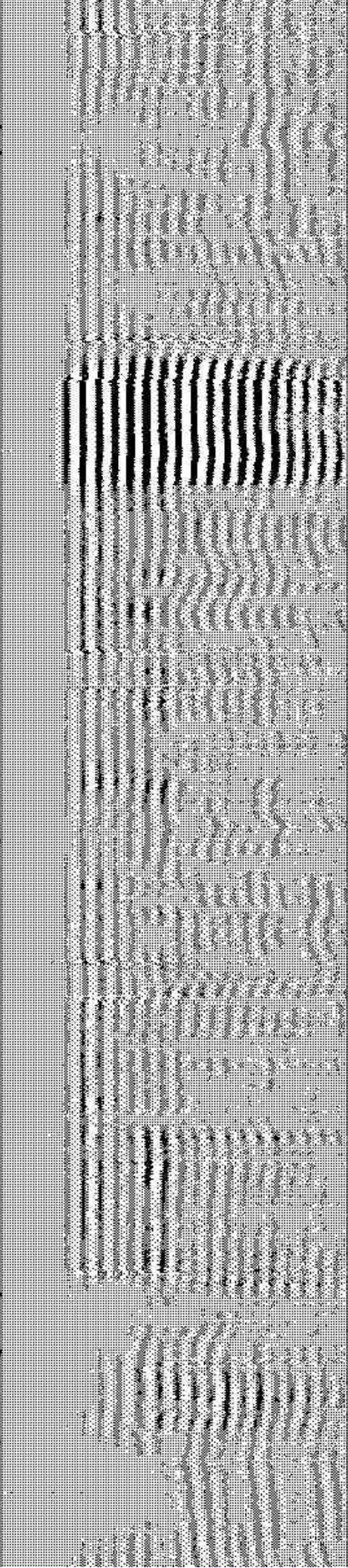
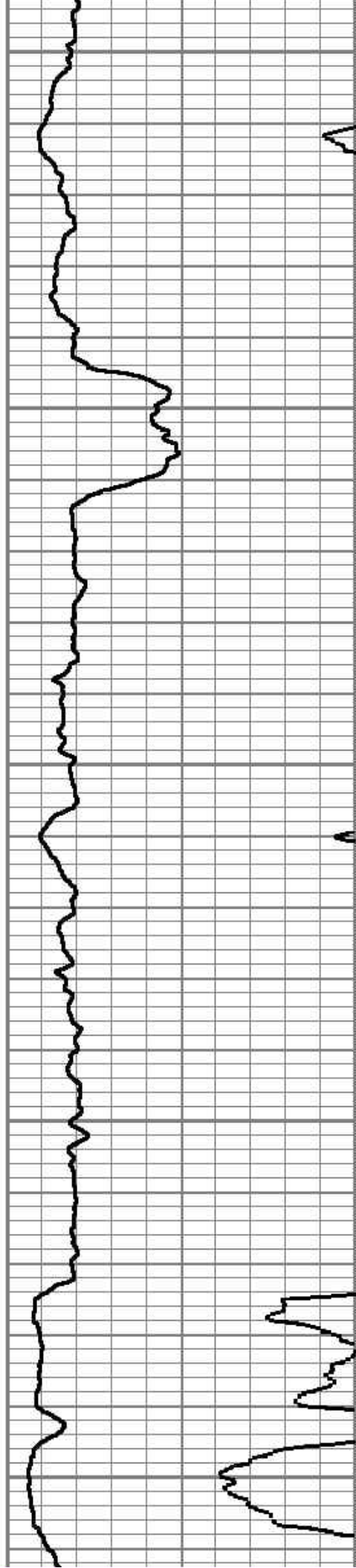




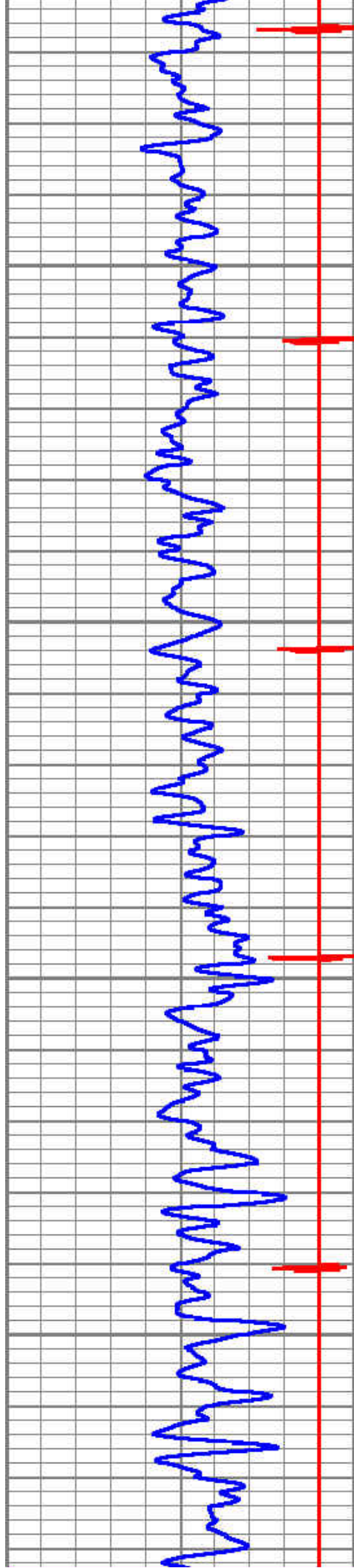


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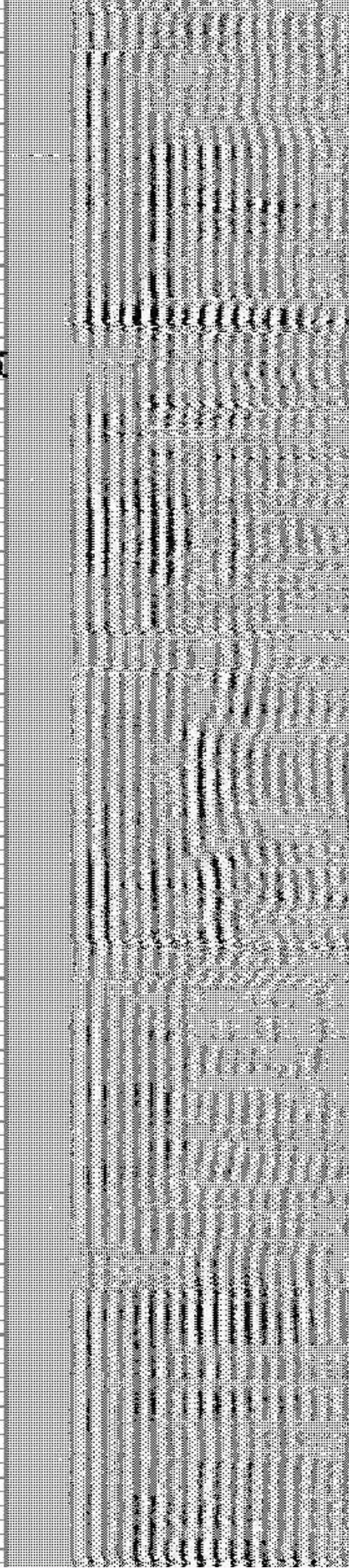
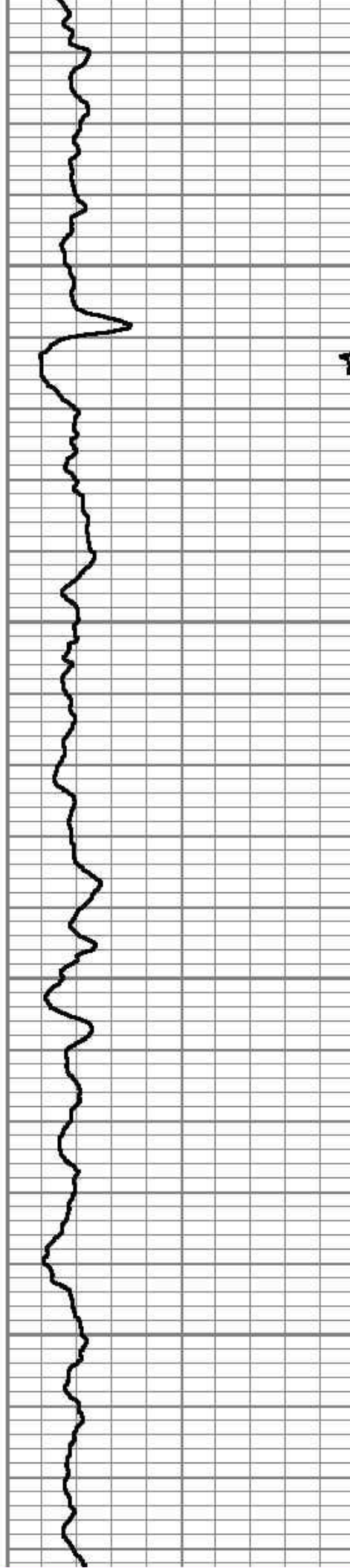




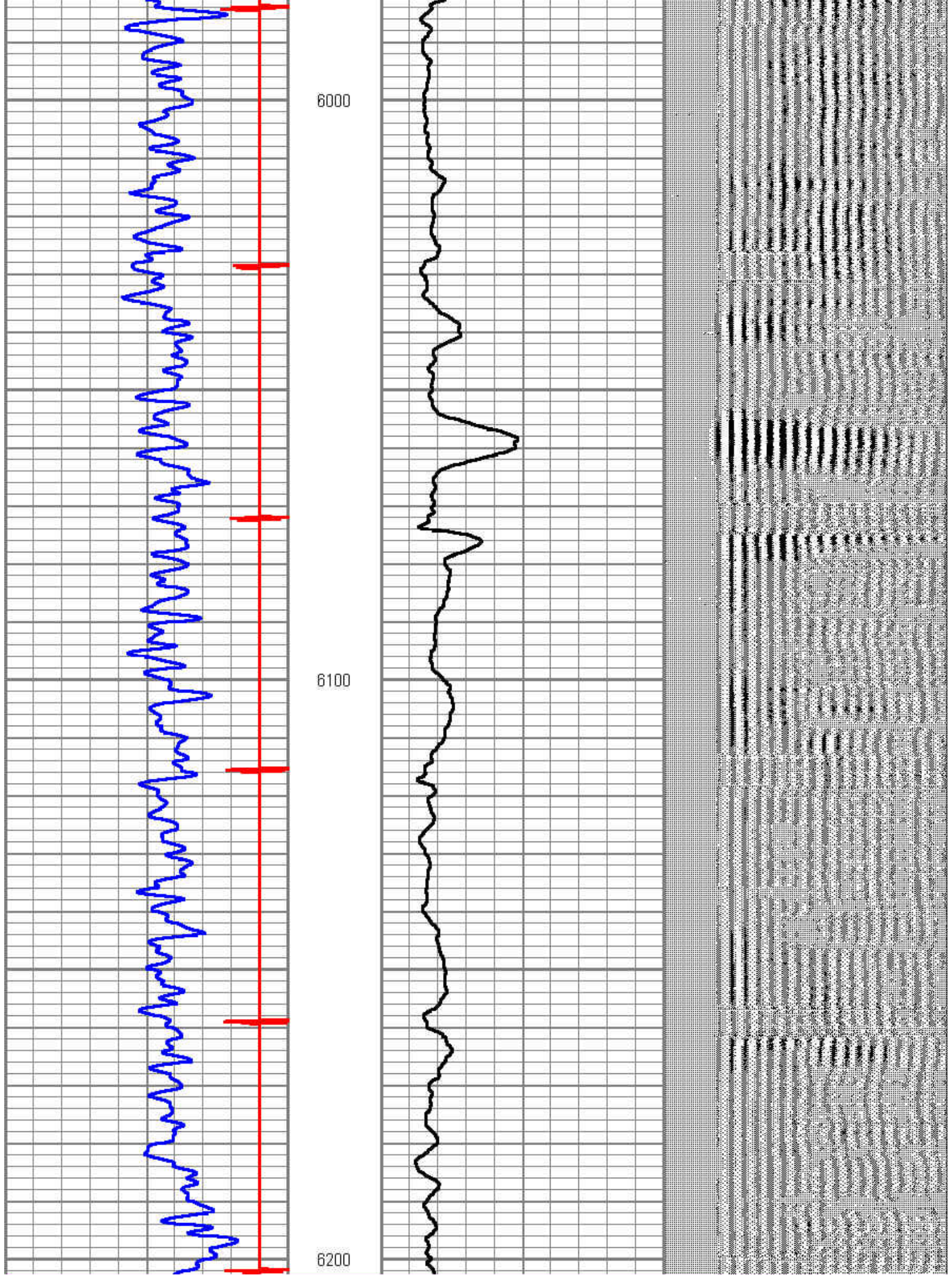


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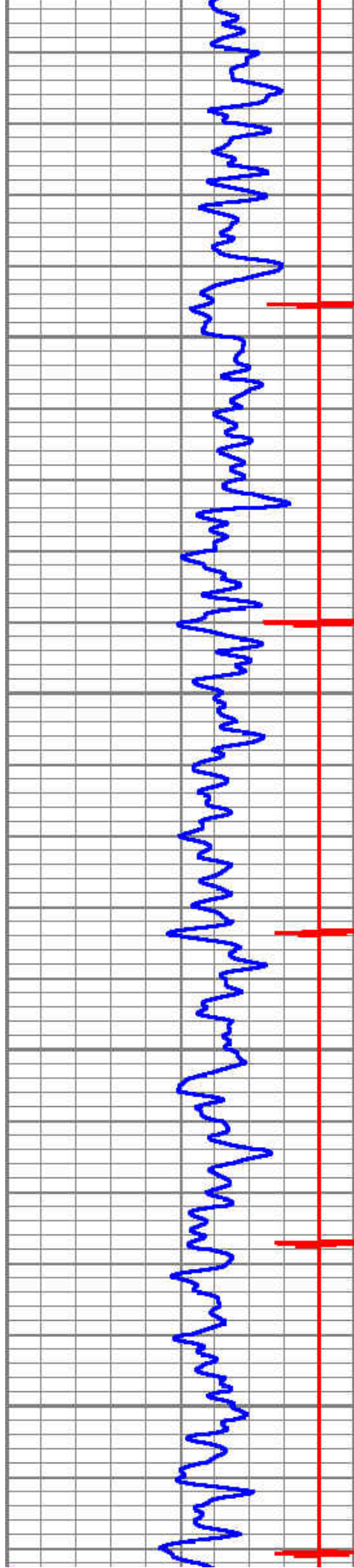
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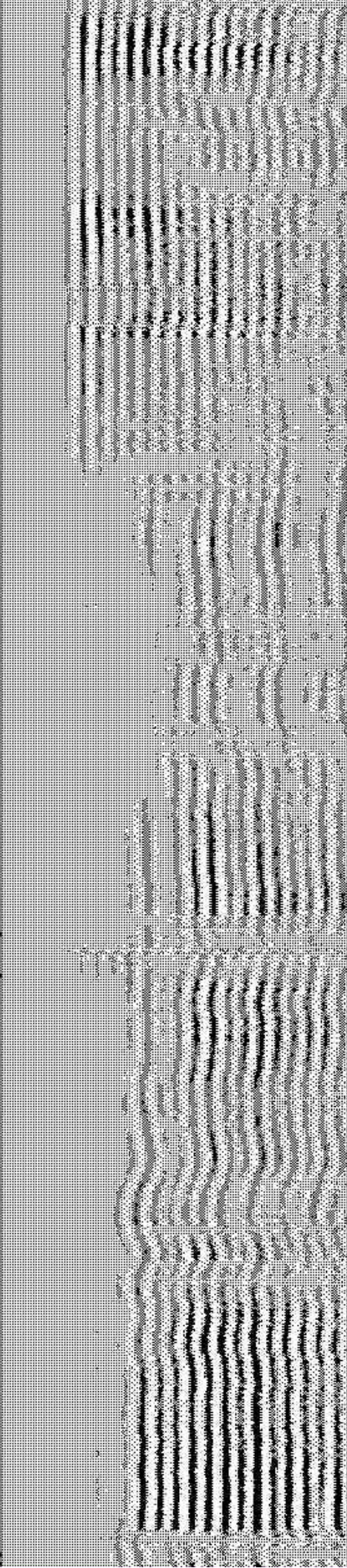
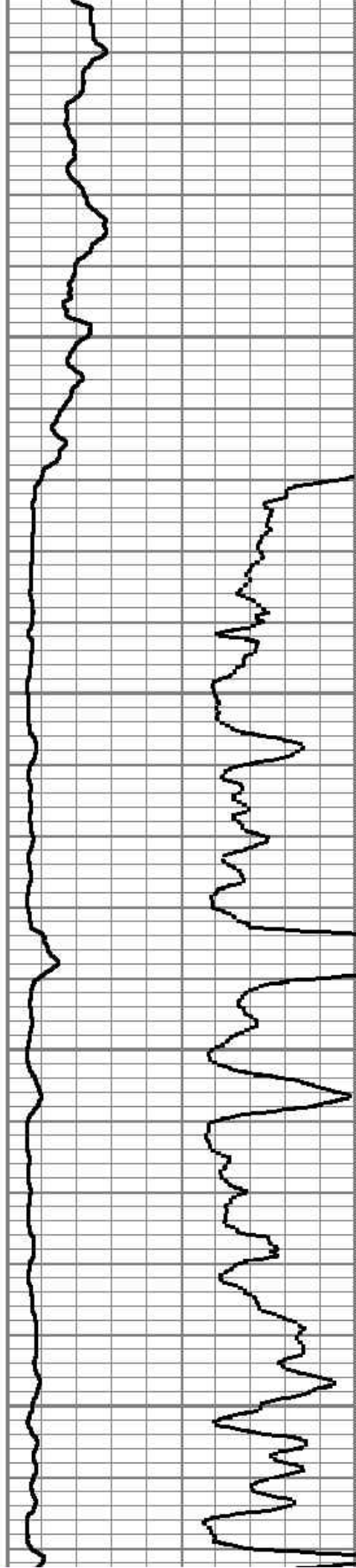




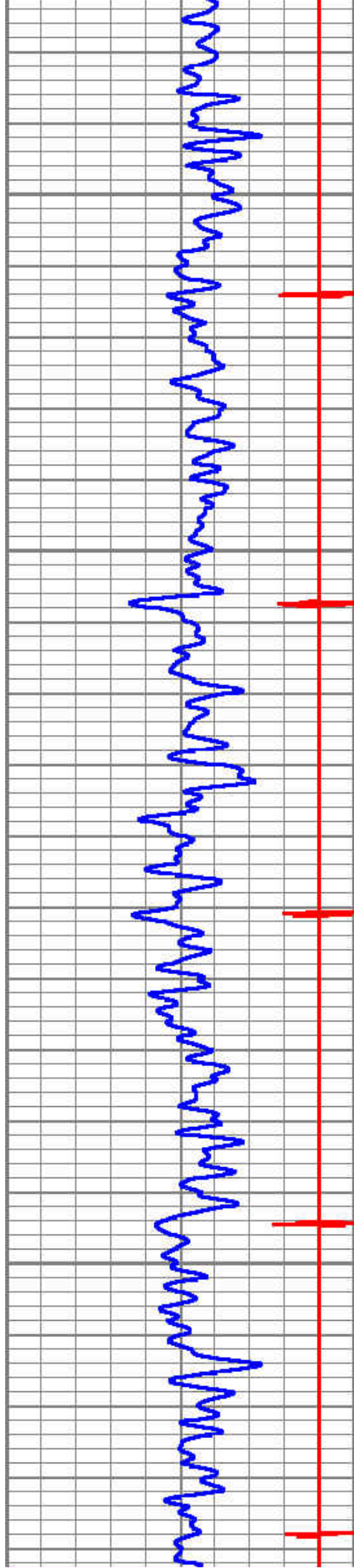


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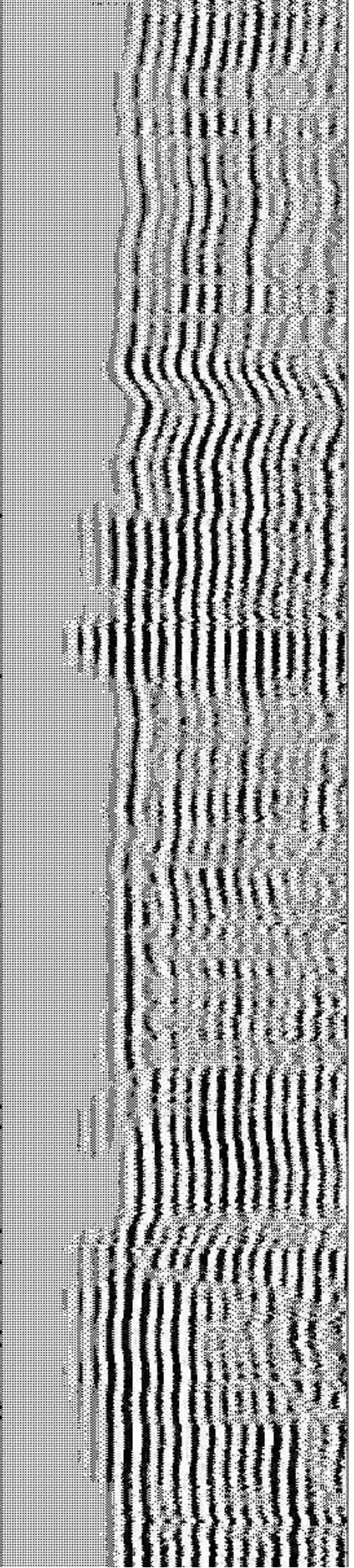
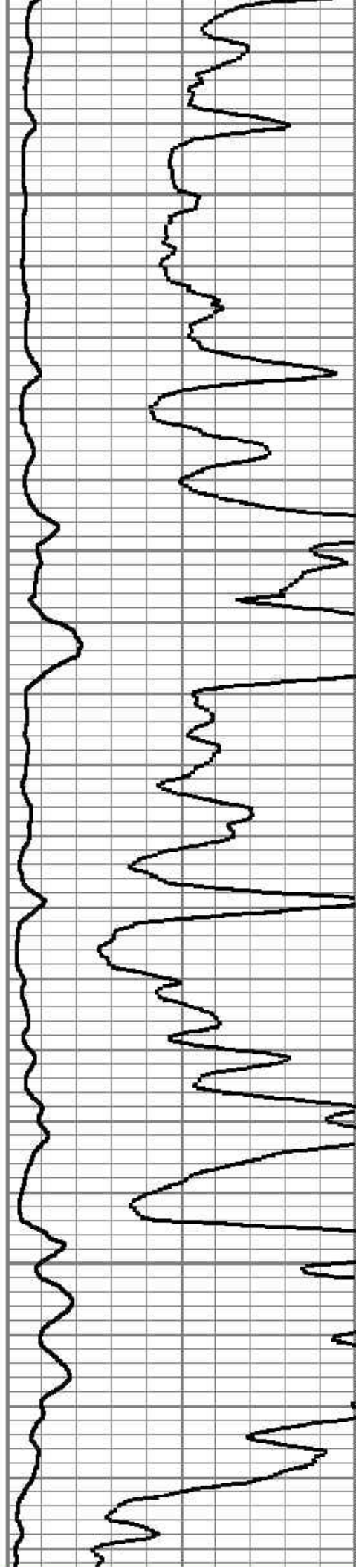




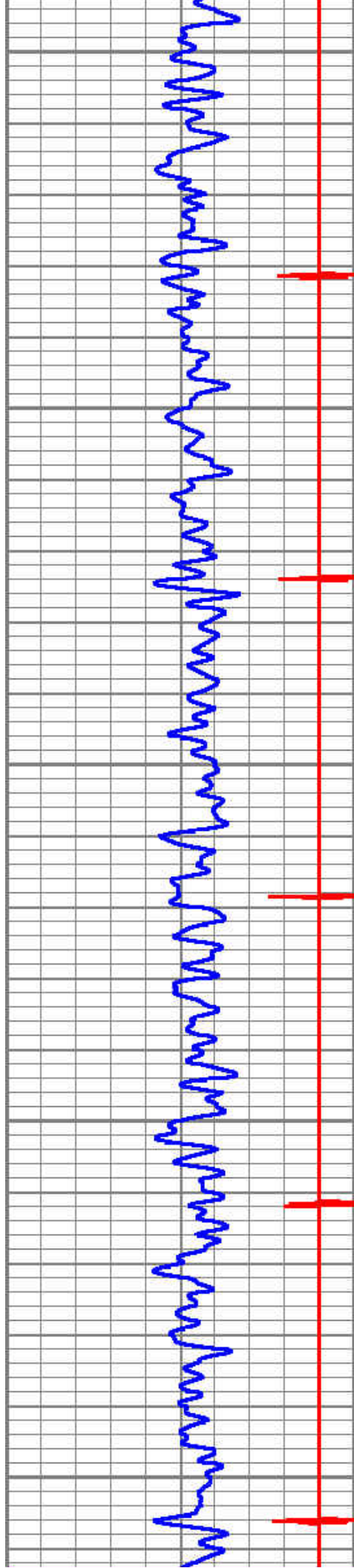


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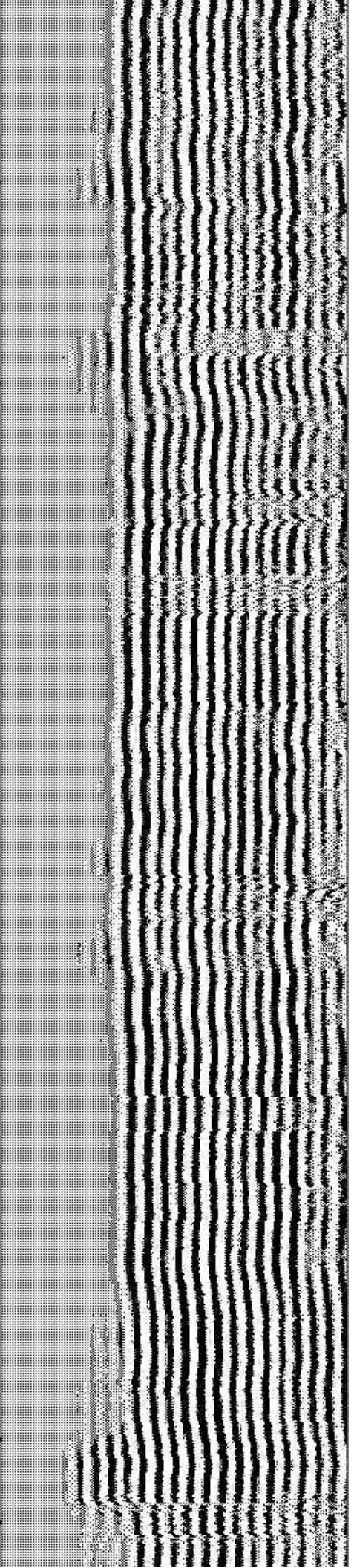
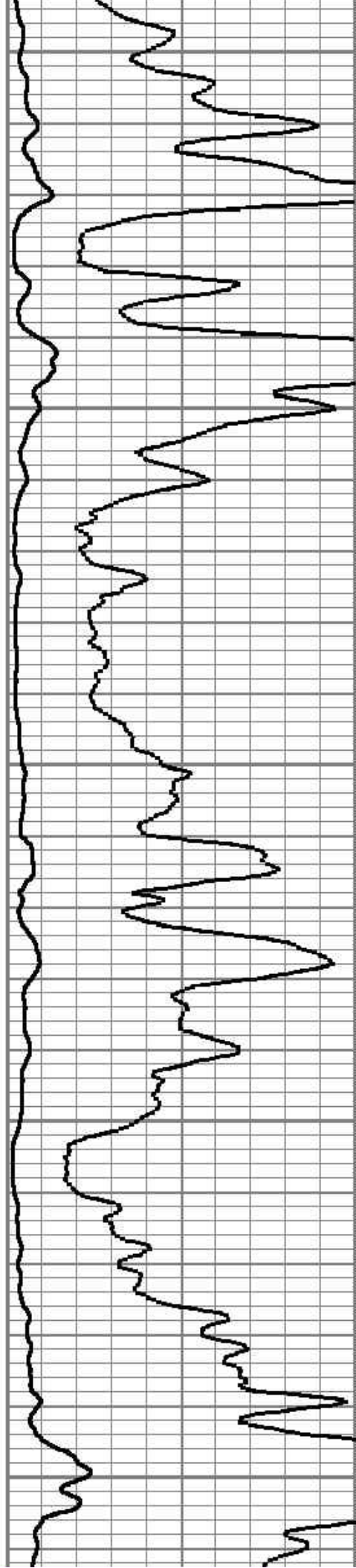




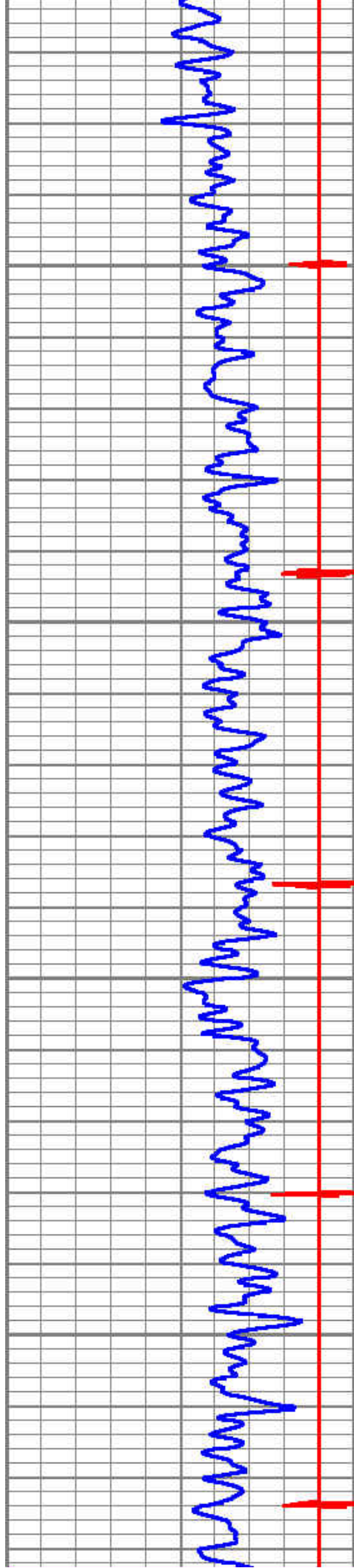


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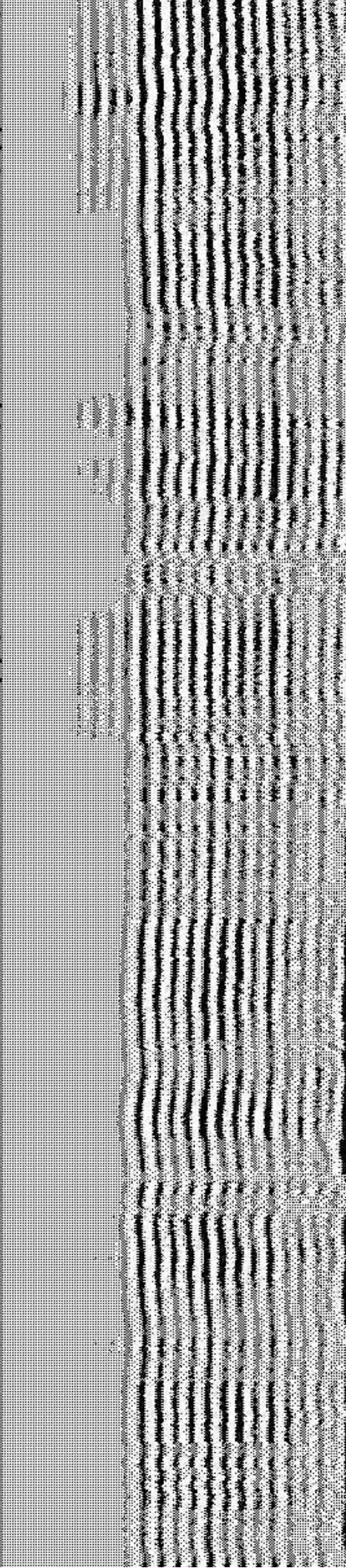
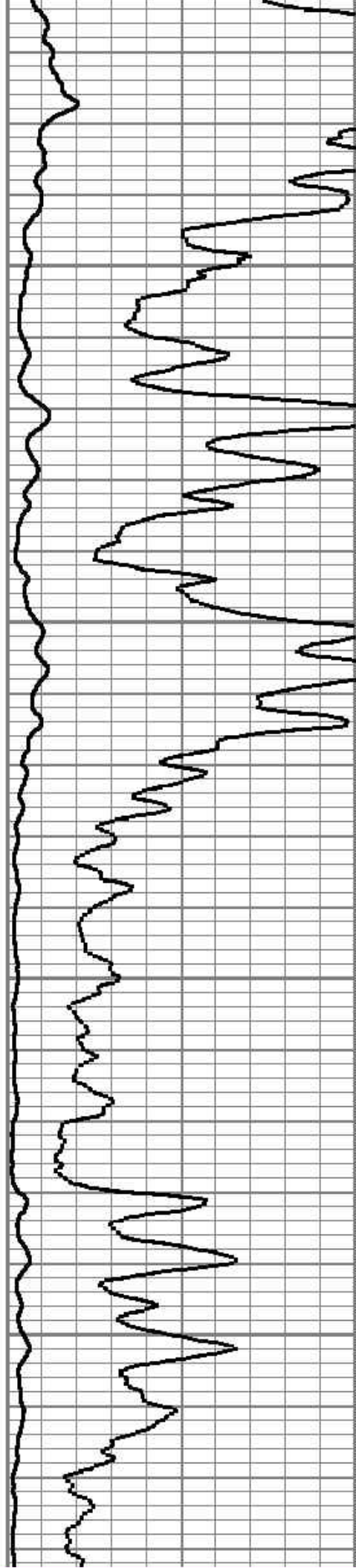




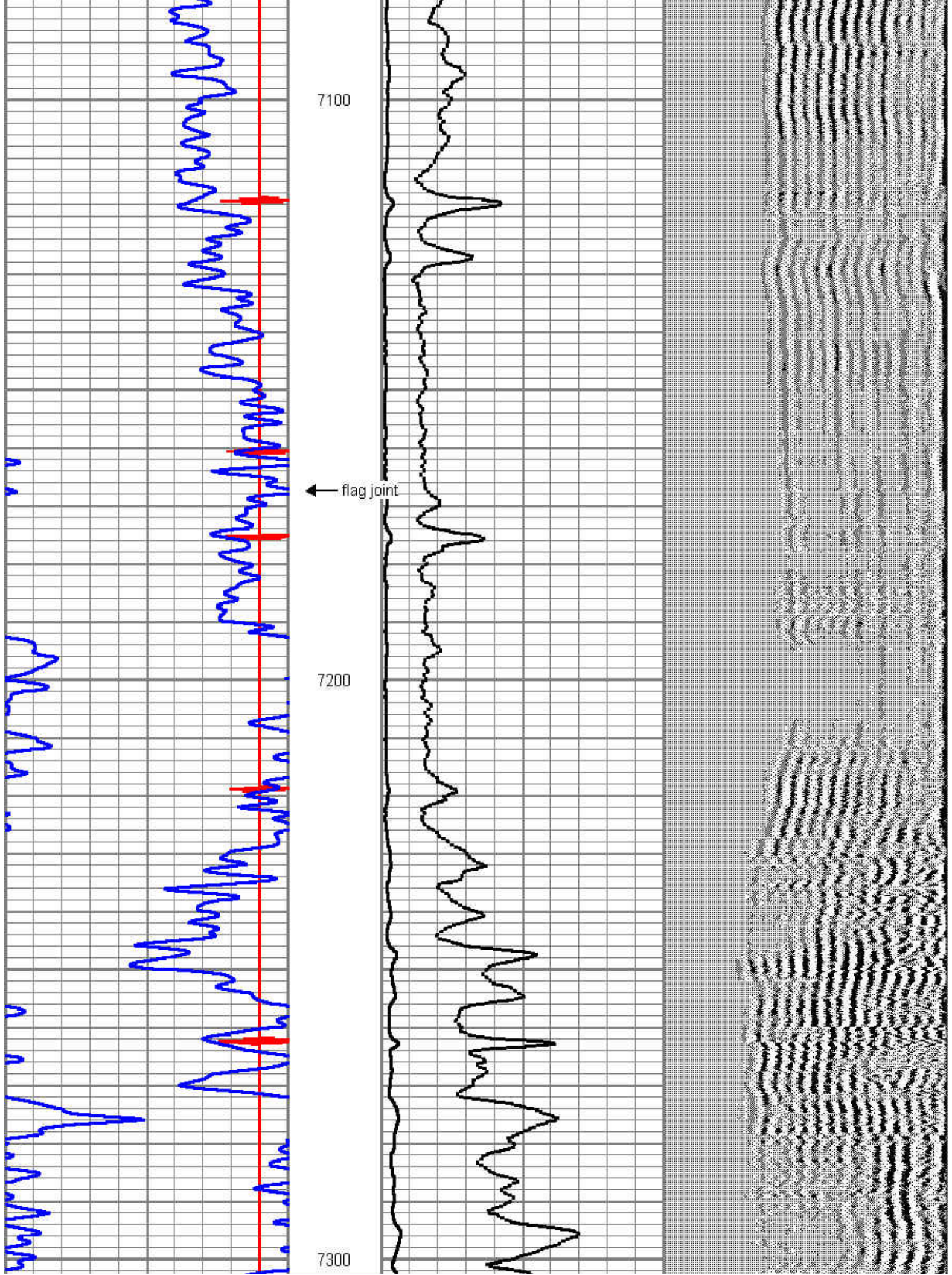


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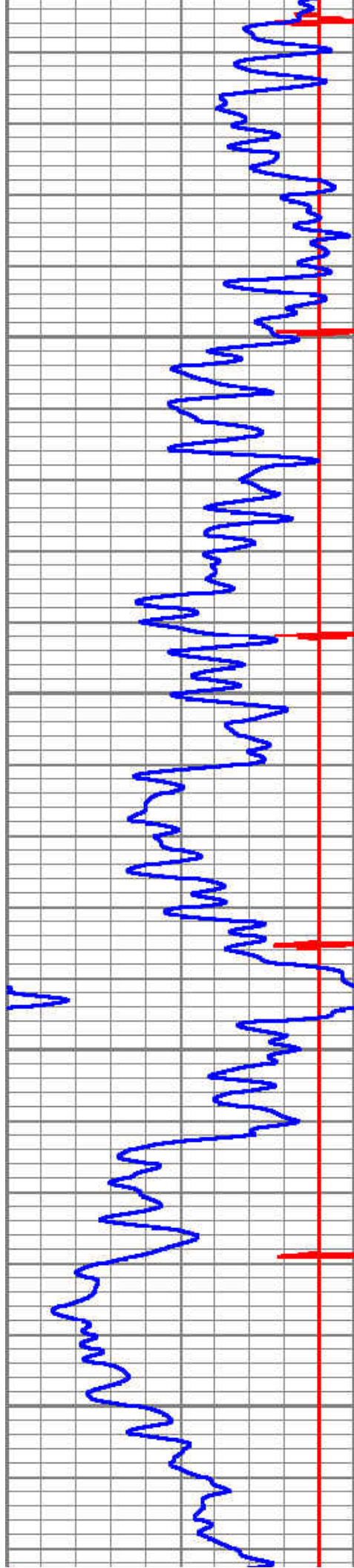
7000











7400

7500

