

Pioneer Energy Services

PIONEER

VDL CCL GAMMA RAY CEMENT BOND LOG

Company GREAT WESTERN OIL AND GAS LLC
Well PETERSON CX GH 30-27D
Field WATTENBERG
County WELD
State CO Country USA

Location: API #: 5123361430000

SHL: 1383' FNL & 2280' FEL SWNE
BHL: 11' FNL & 1330' FEL NWNE

SEC 30 TWP 5N RGE 63W

Other Services
NONE

Permanent Datum GL Elevation 4572
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4586
D.F. 4585
G.L. 4572

Date JANUARY 22, 2013 JAN 23 2013

Run Number 1 TWO

Depth Driller 7072 7072'

Depth Logger 7012 7018'

Bottom Logged Interval 7000 7000'

Top Log Interval 40 1000'

Open Hole Size 7 7/8

Type Fluid WATER

Density / Viscosity NA

Max. Recorded Temp. 200

Estimated Cement Top NA

Time Well Ready NA

Time Logger on Bottom NA

Equipment Number 1 9605

Location FT. MORGAN CO

Recorded By RANDY AZEVEDO TODD YOUNG

Witnessed By SHUAN ARMSTRONG ISHAWN ARMSTRONG

Borehole Record

Run Number Bit From To Size Weight From To

Size Wgt/Ft Top Bottom

Surface String

Prot. String

Production String

Liner

<<< Fold Here >>>


All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

LOG CORRELATED TO OPEN HOLE LOG DATED DECEMBER 23, 2012
WCR 61 & 380 EAST 1 MILE NORTH INTO

N
X O
W O O E
O O
S

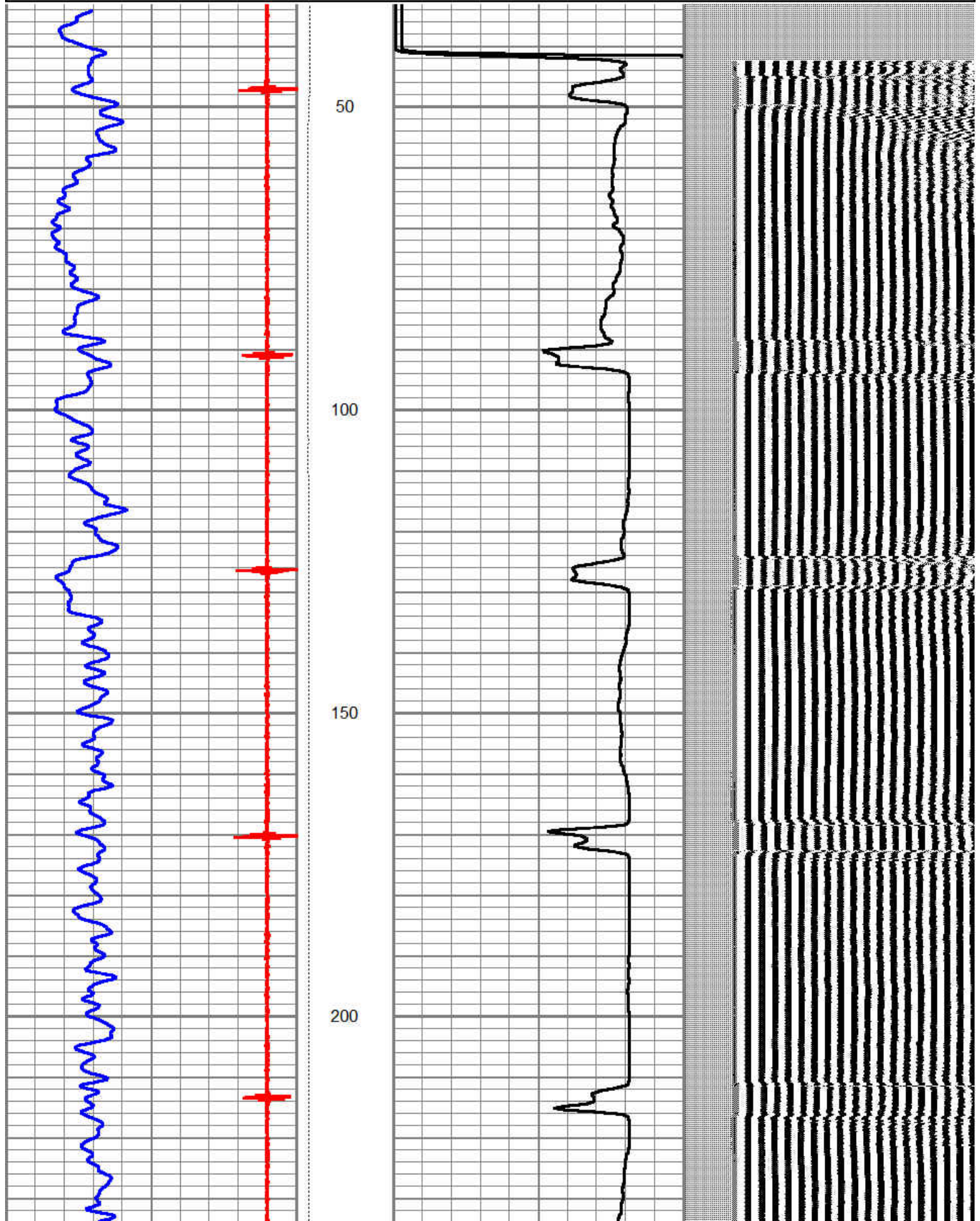
THANK YOU FOR USING PIONEER ENERGY SERVICES.

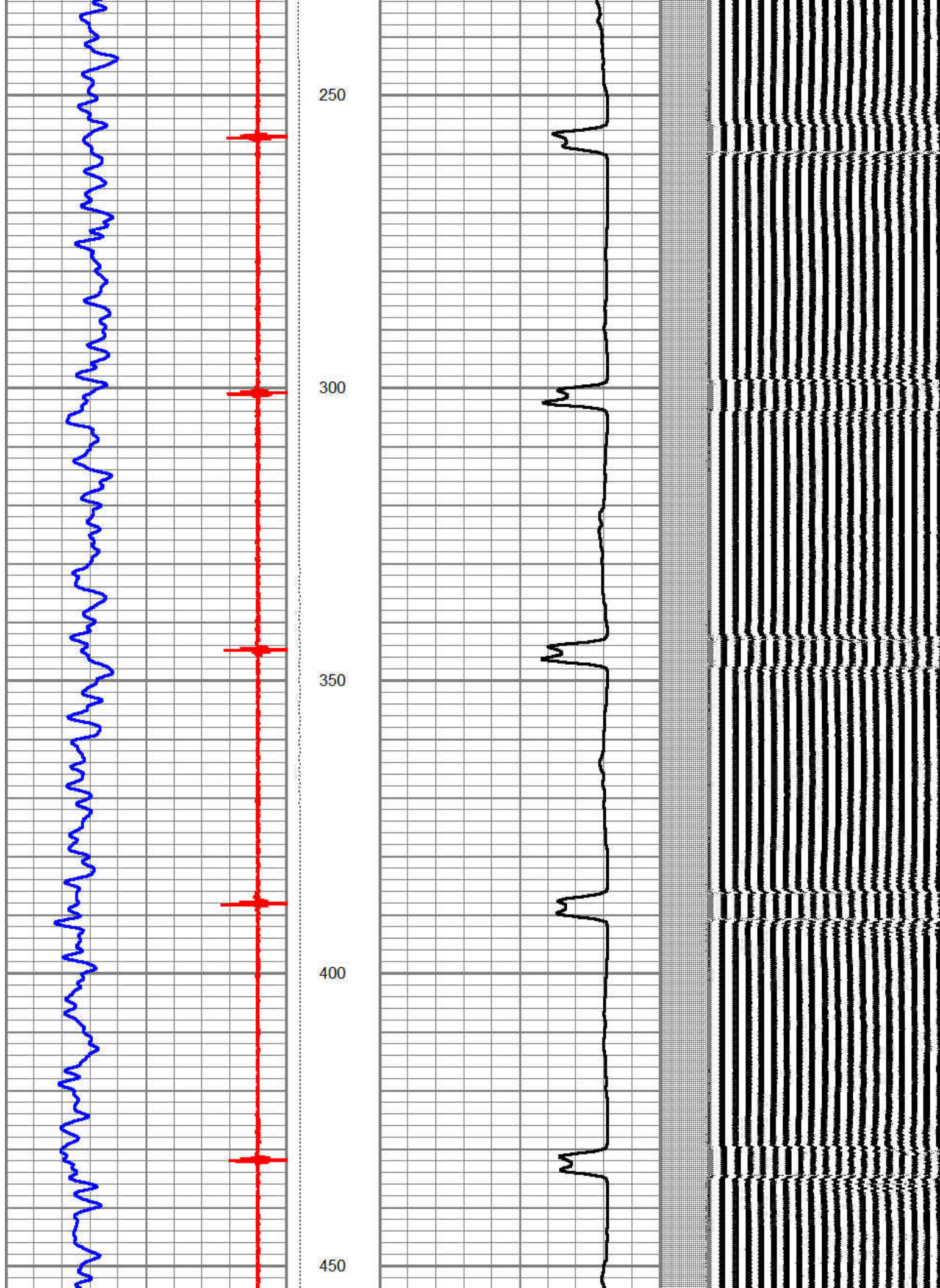
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	19.31		CCL-titan01 (01t)	1.92	2.75	

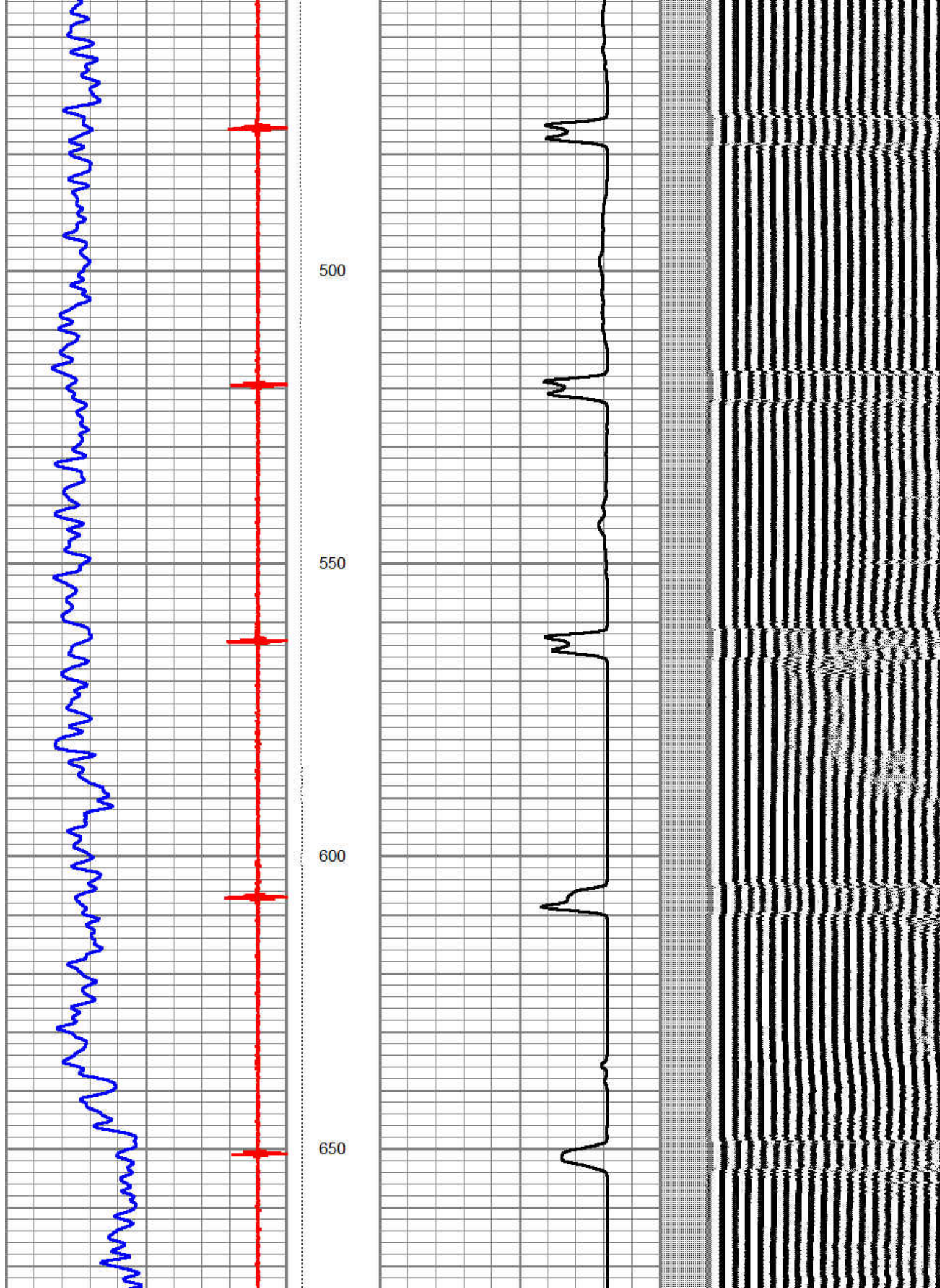
			SDSCENT Centralizer for testing	3.00	3.25	20.00
WVF3	10.92		CBL-Probe (050215) 2.75 digital probe	8.75	2.75	106.50
WVF5	9.92					
			SDSCENT Centralizer for testing	3.00	3.25	20.00
GR	1.13		GR-probe 2.75 (51013)	3.67	2.75	100.00
Dataset: peterson 30-27d cbl.db: field/well/run1/pass3 Total Length: 20.33 ft Total Weight: 246.50 lb O.D.: 3.25 in						

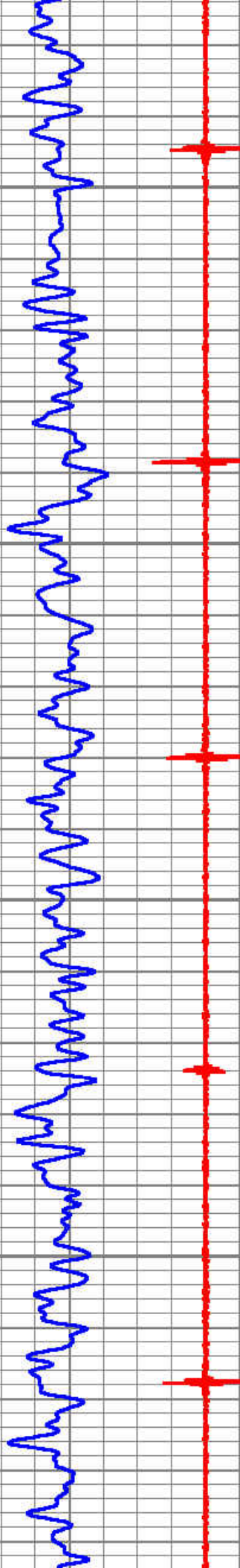
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 Dataset Pathname: pass3
 Presentation Format: cbl_dr
 Dataset Creation: Tue Jan 22 15:44:07 2013 by Log SCH 110722
 Charted by: Depth in Feet scaled 1:240

Charted by:		Depth in Feet scaled 1:240							
9	Collar Locator	-1	LTEN	0	Amplified Amplitude (mV)	30	200	Variable Density	1200
0	Gamma Ray (GAPI)	130	0 (lb/2000)	0	Amplitude (mV)	100			







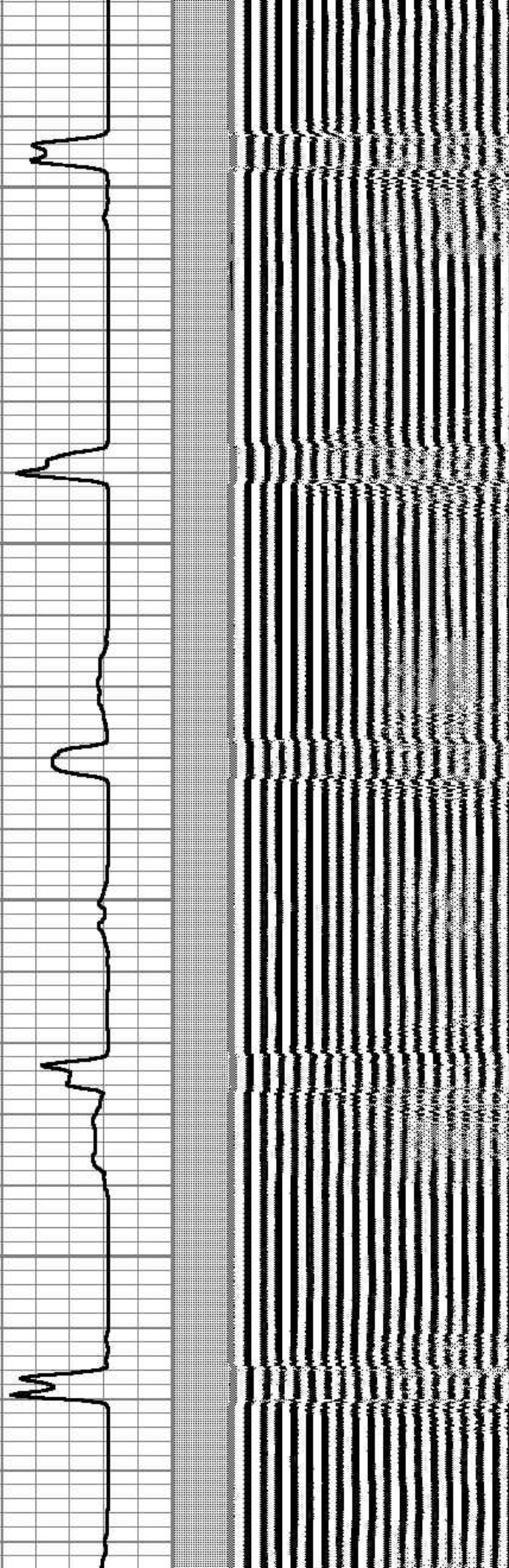


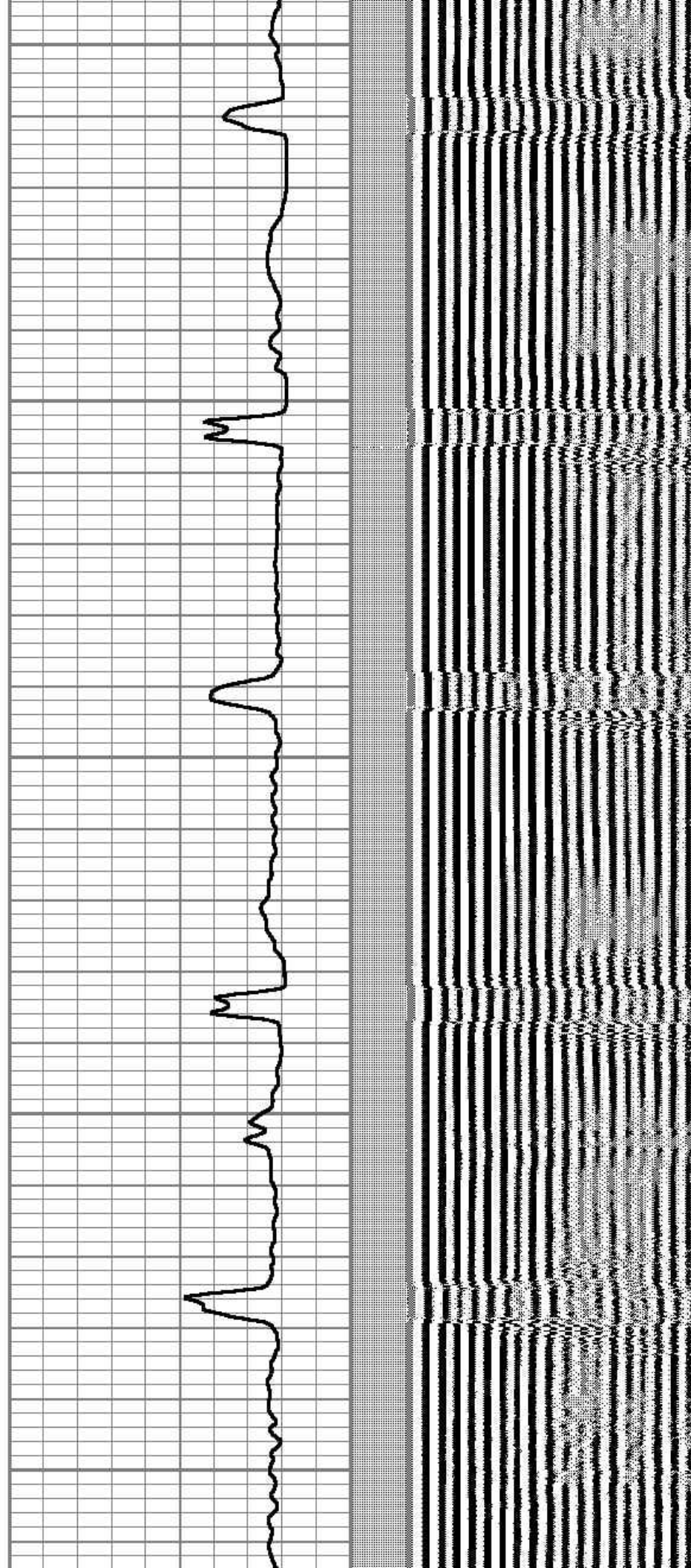
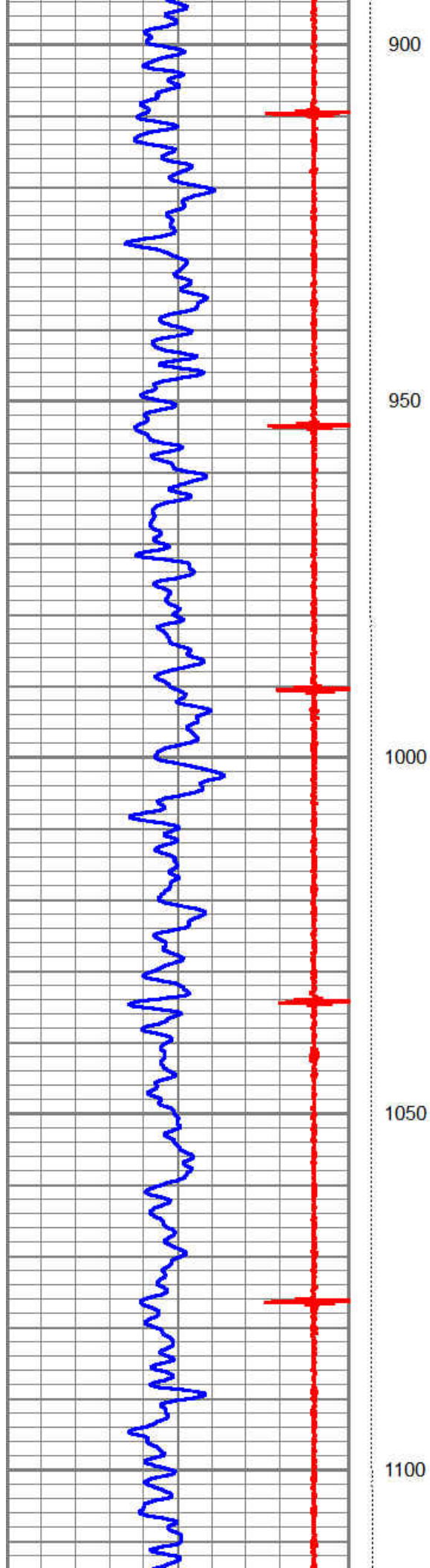
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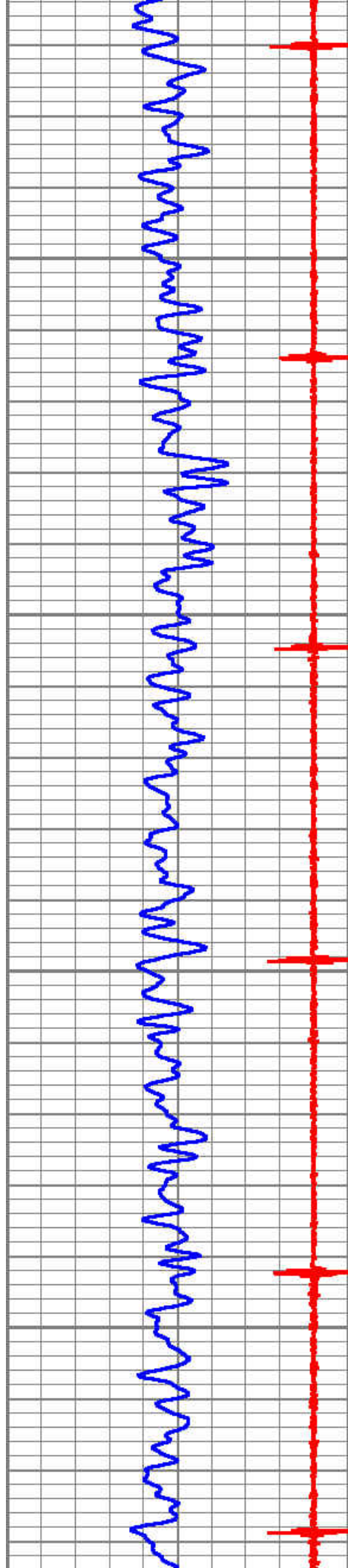
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800

850





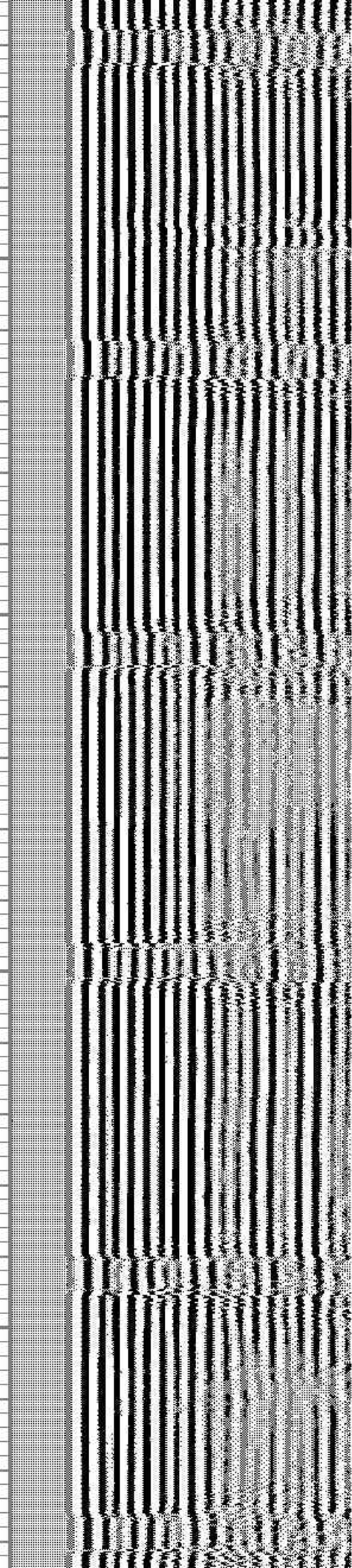
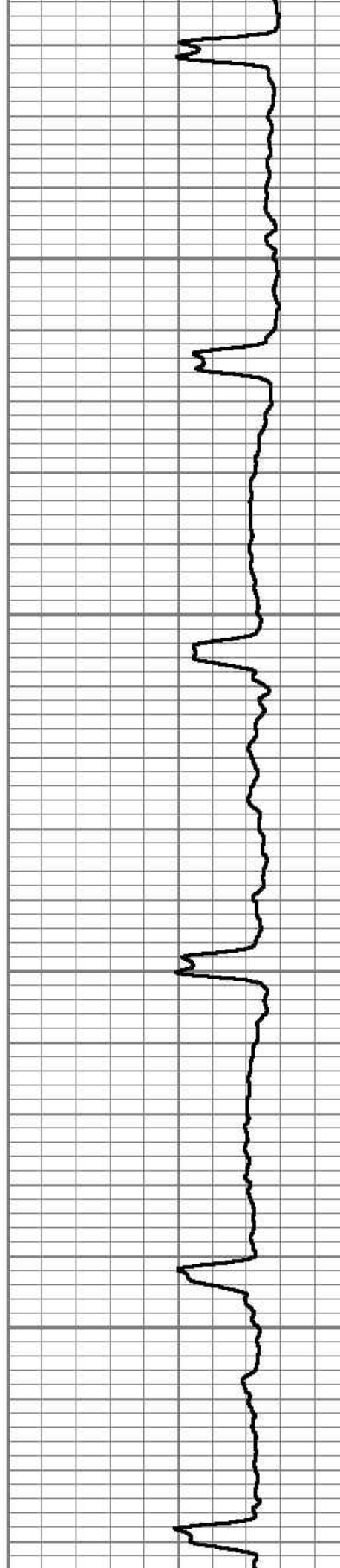


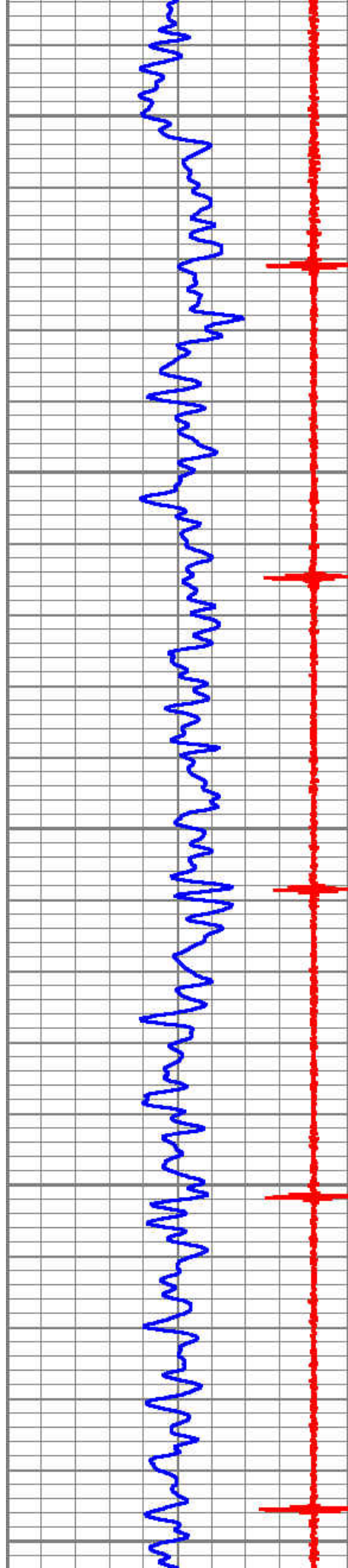
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1200

1250

1300





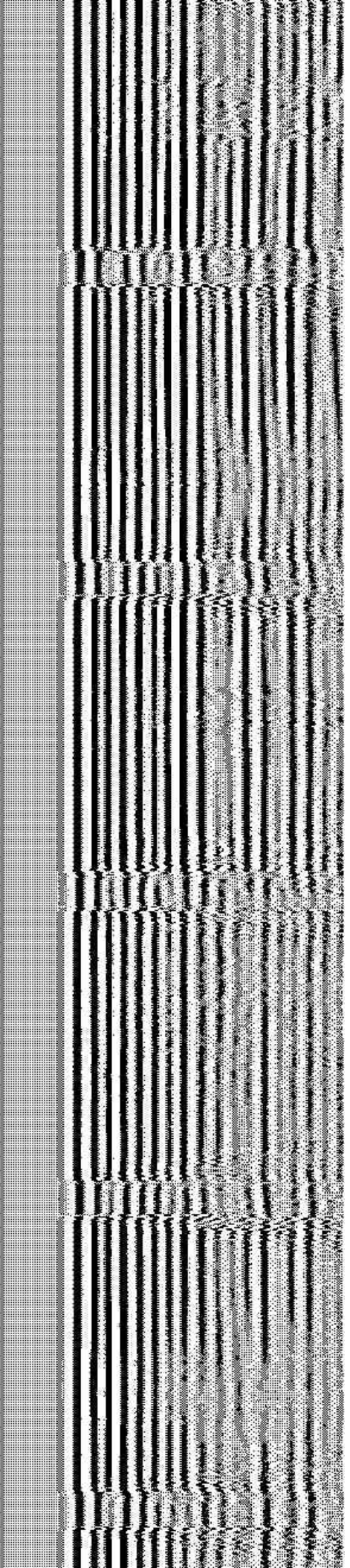
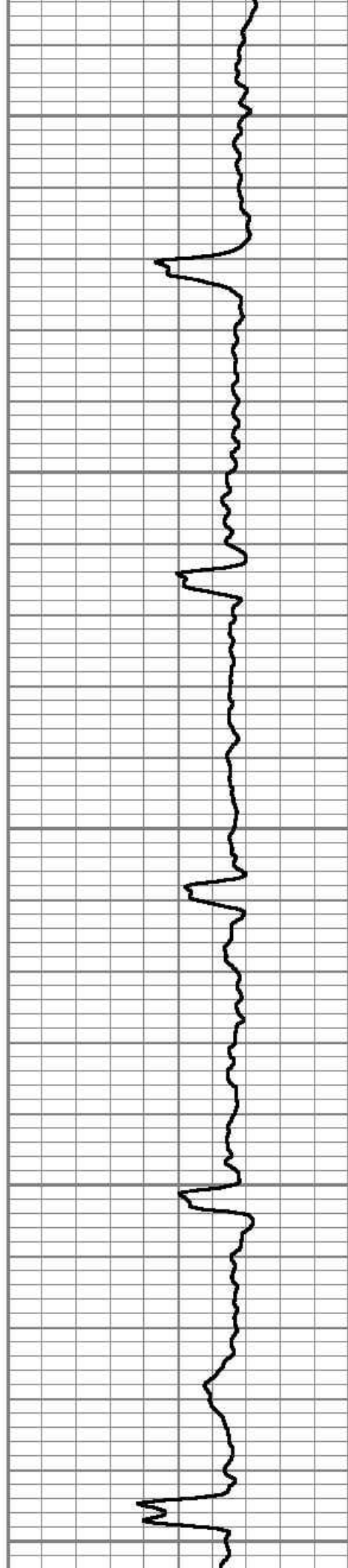
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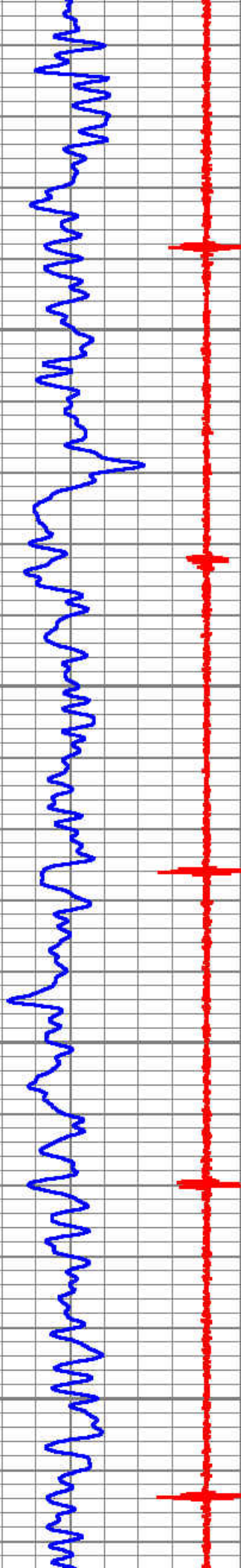
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1450

1500

1550



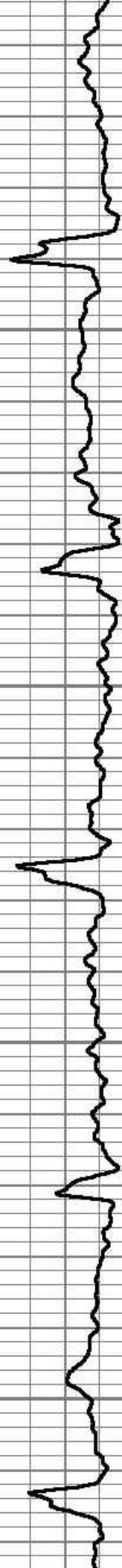


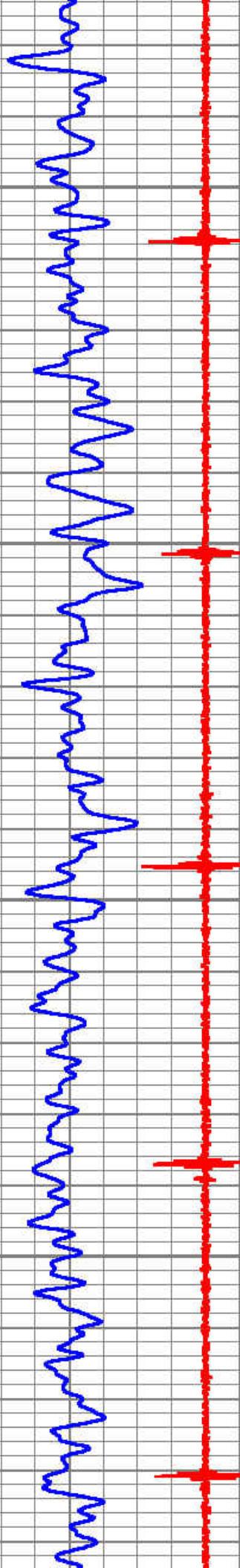
1600

1650

1700

1750



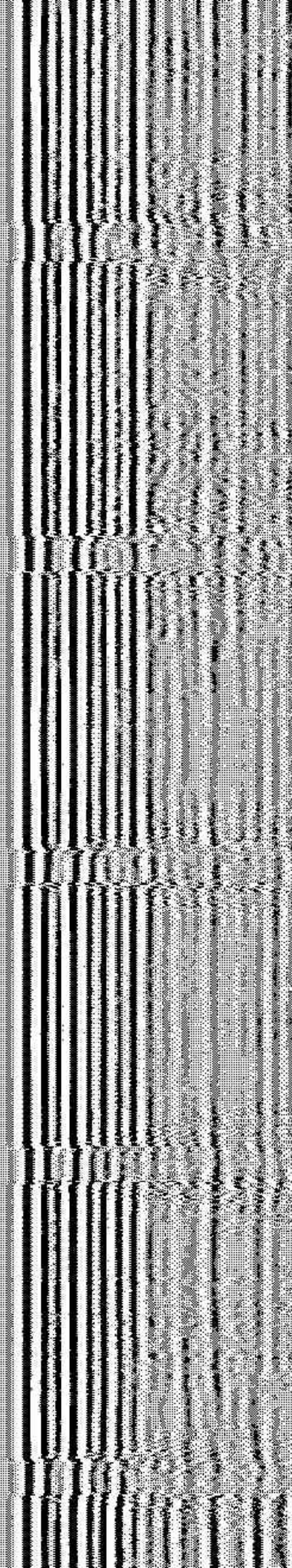
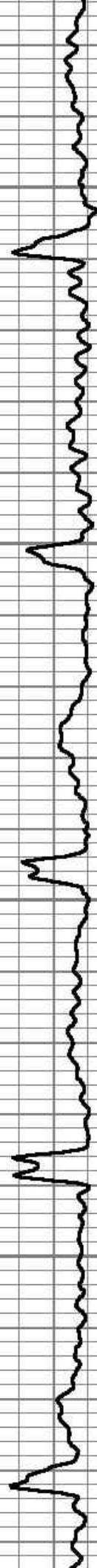


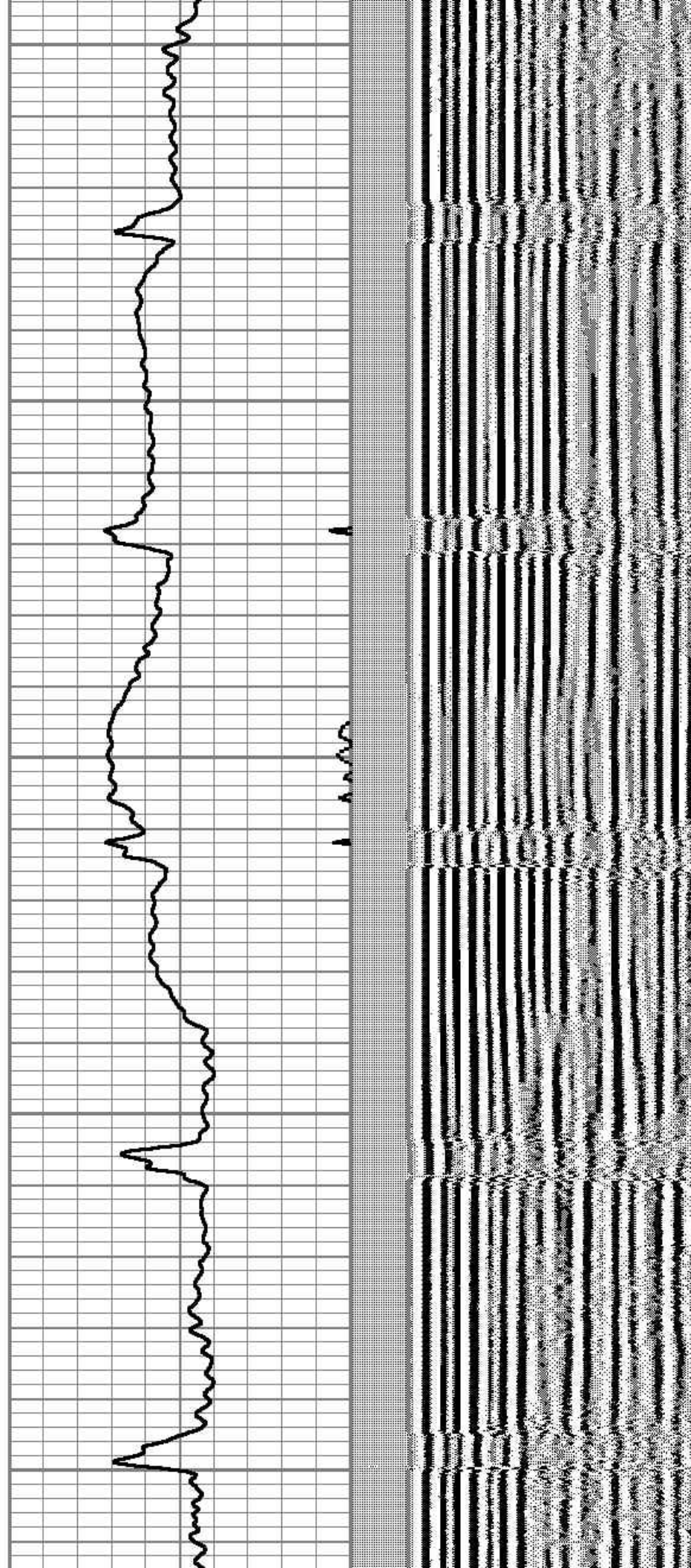
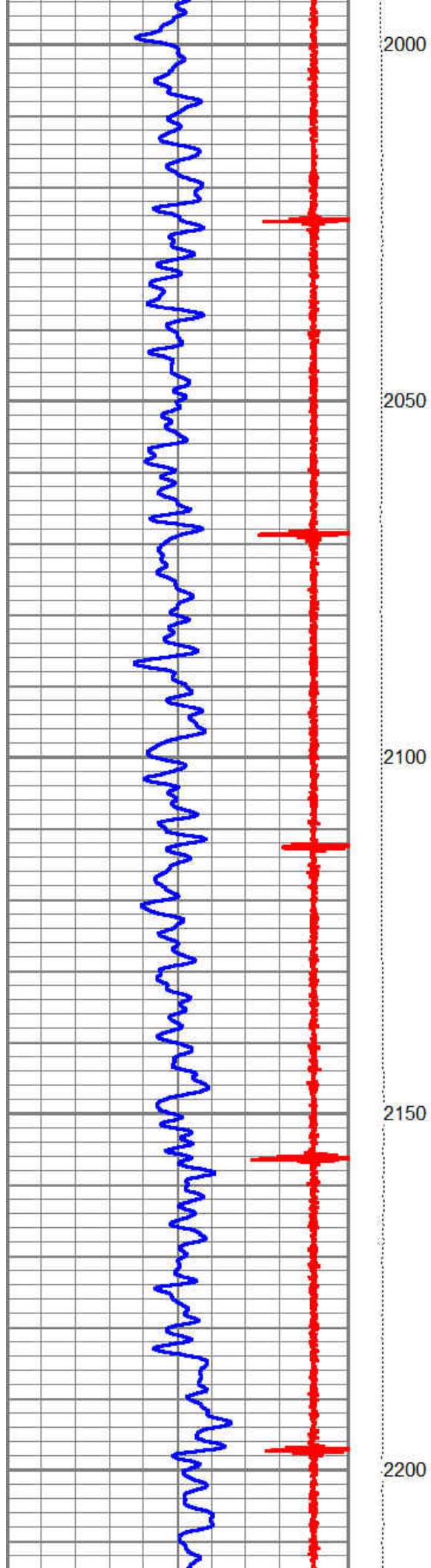
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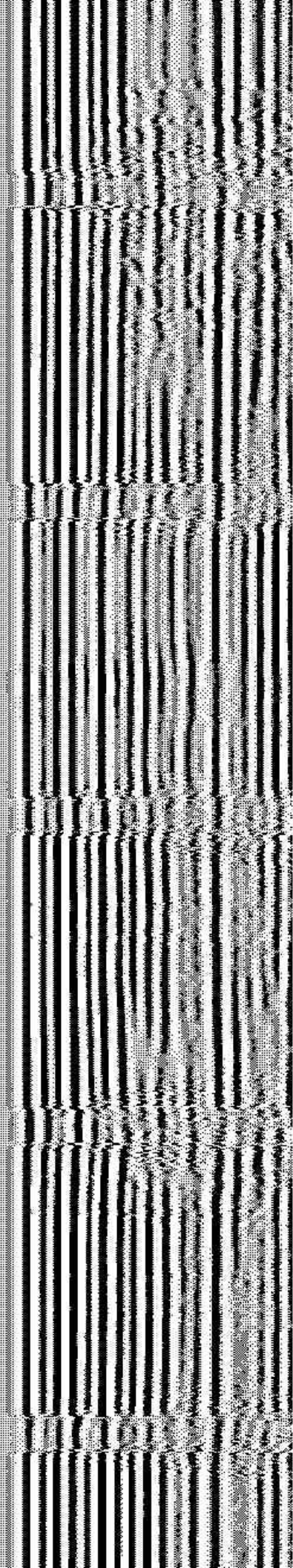
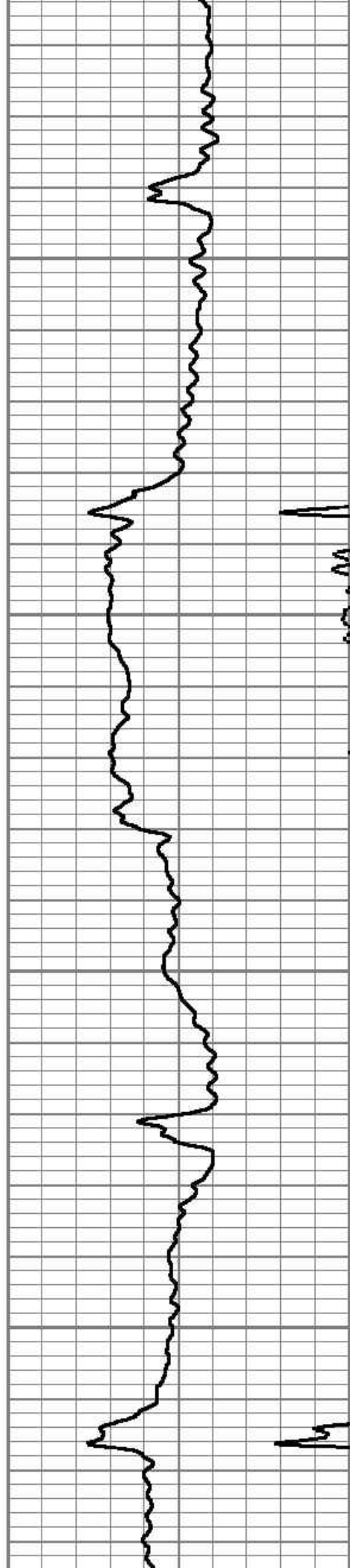
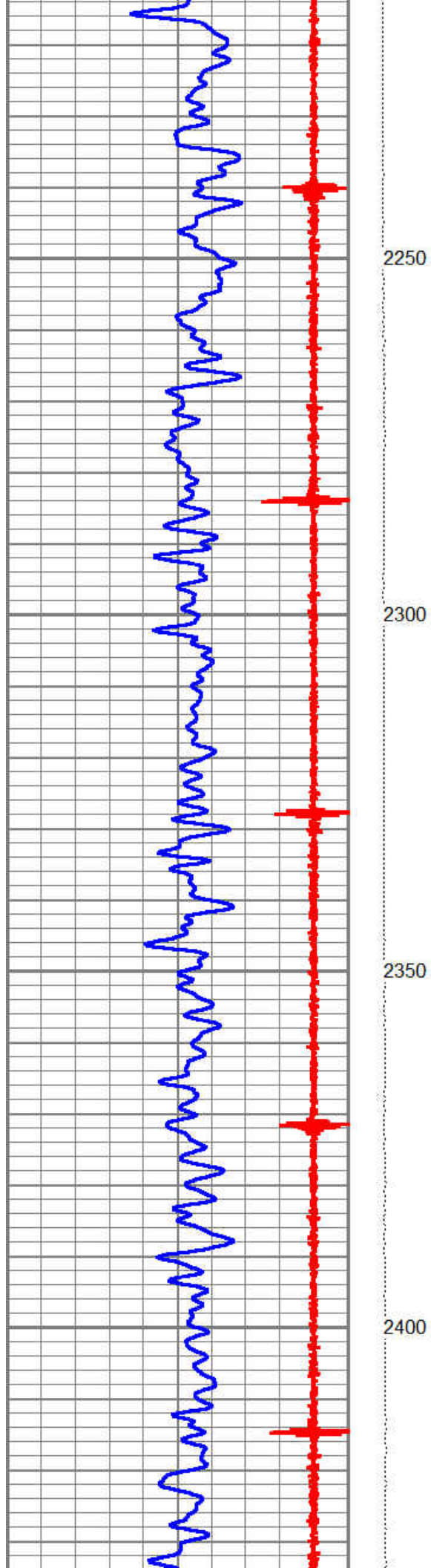
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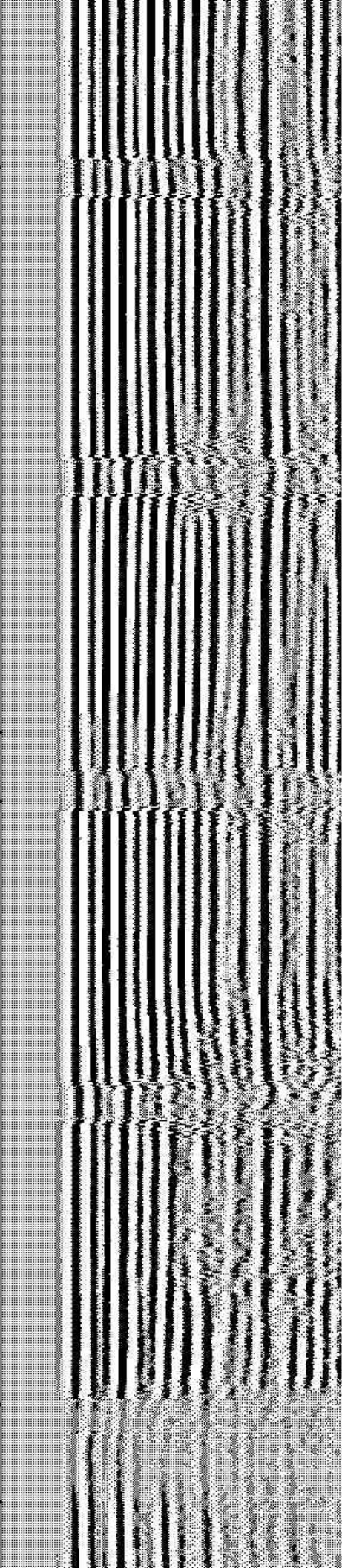
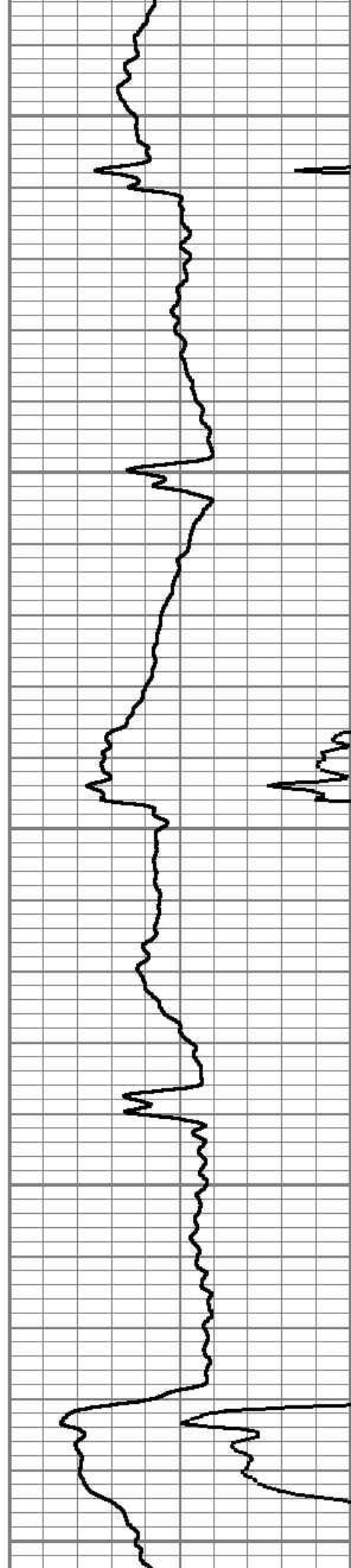
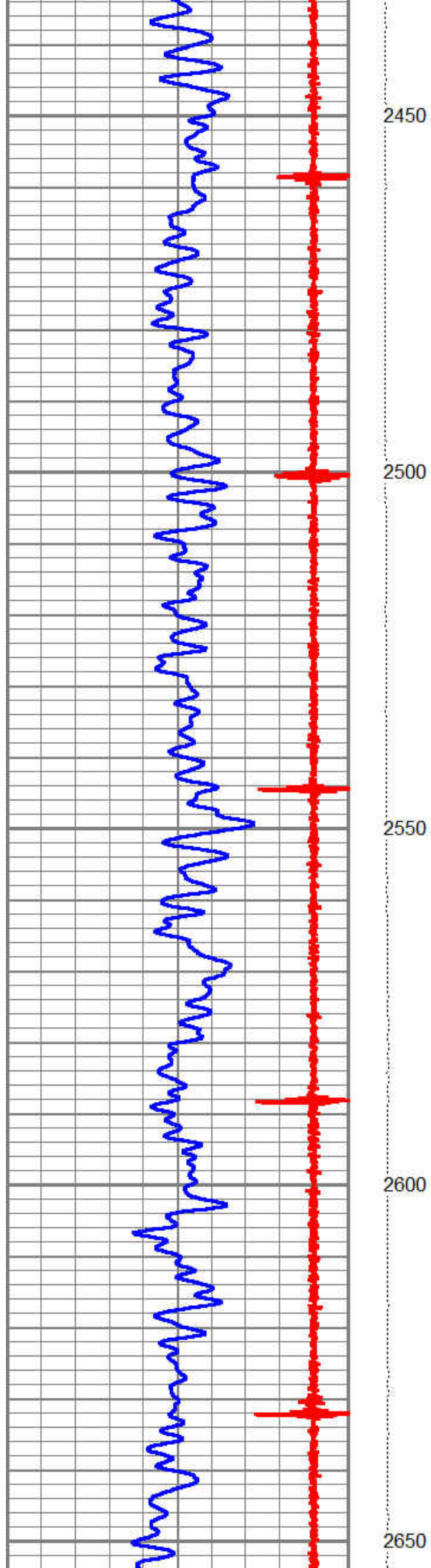
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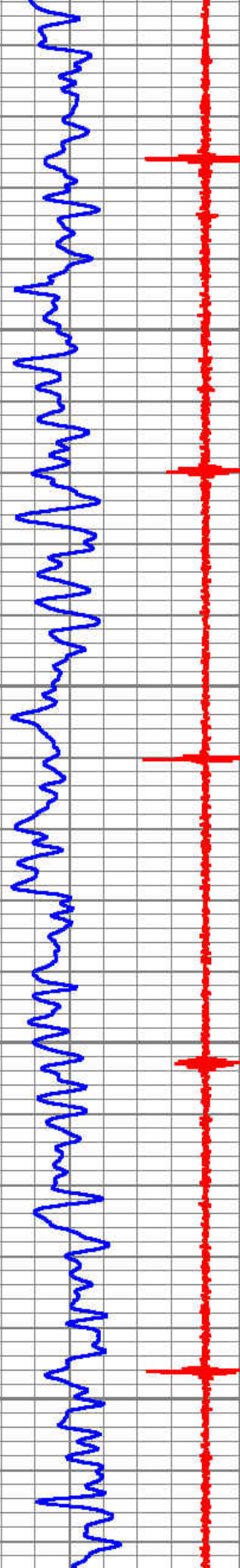
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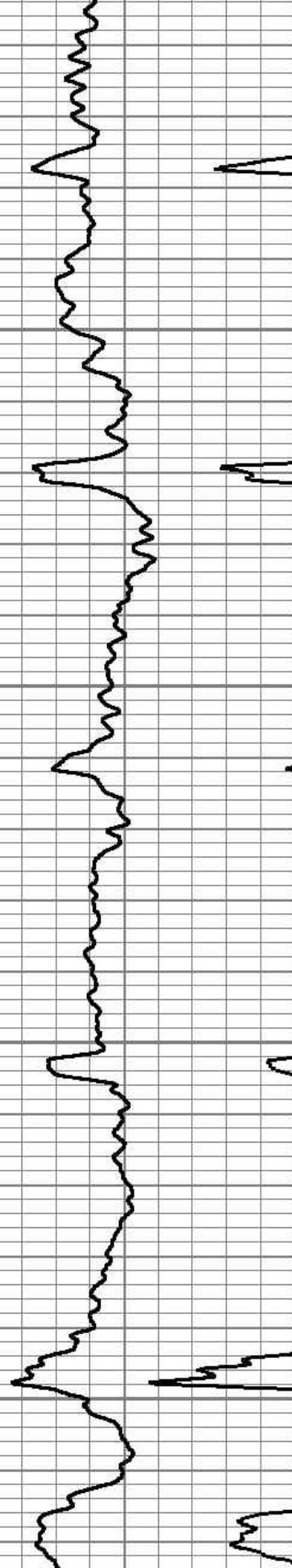


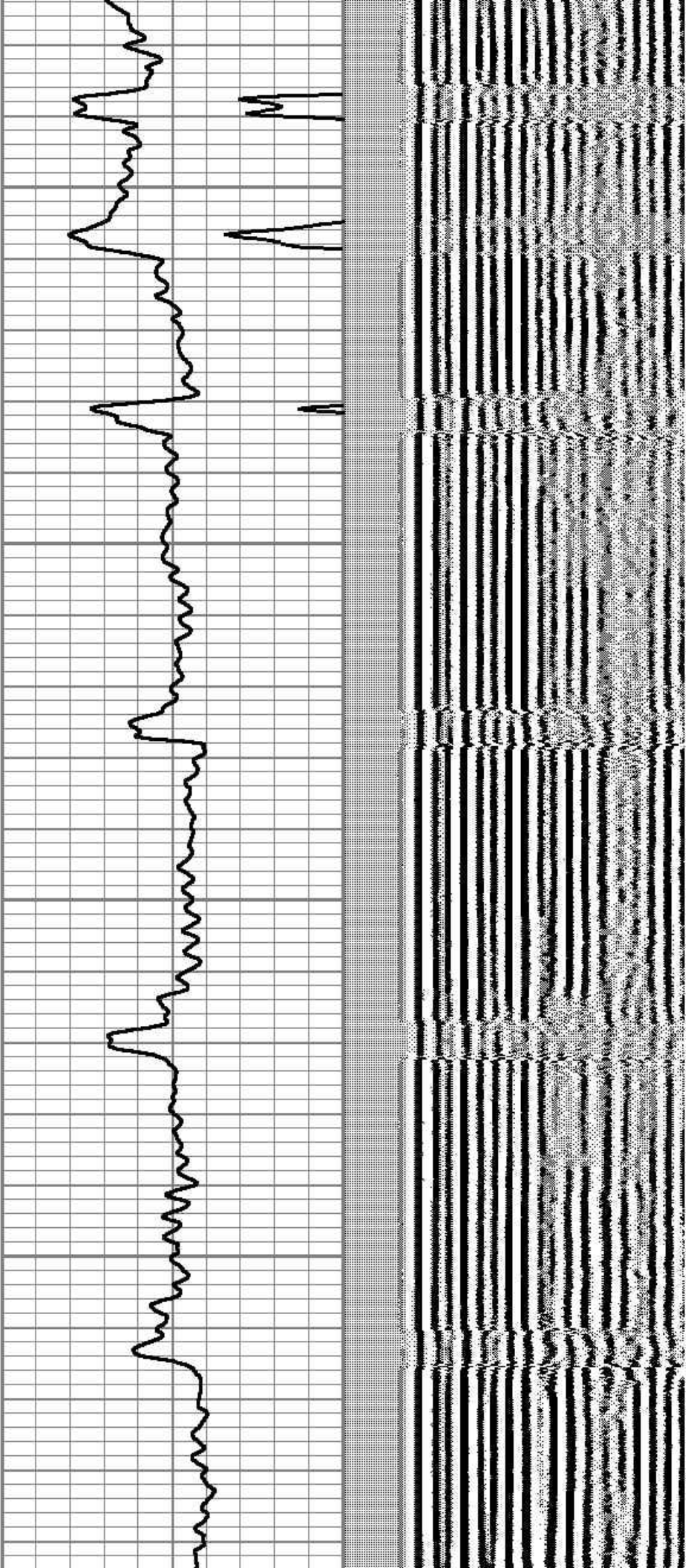
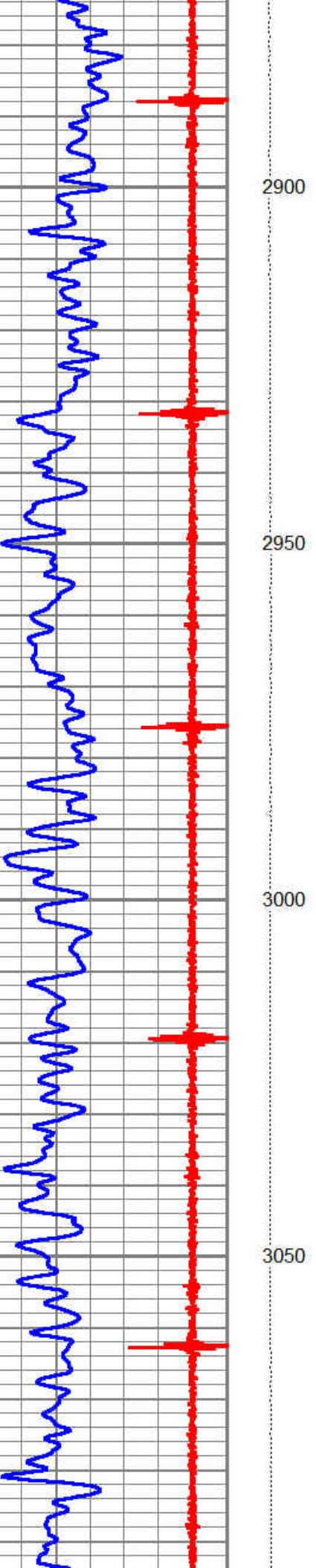
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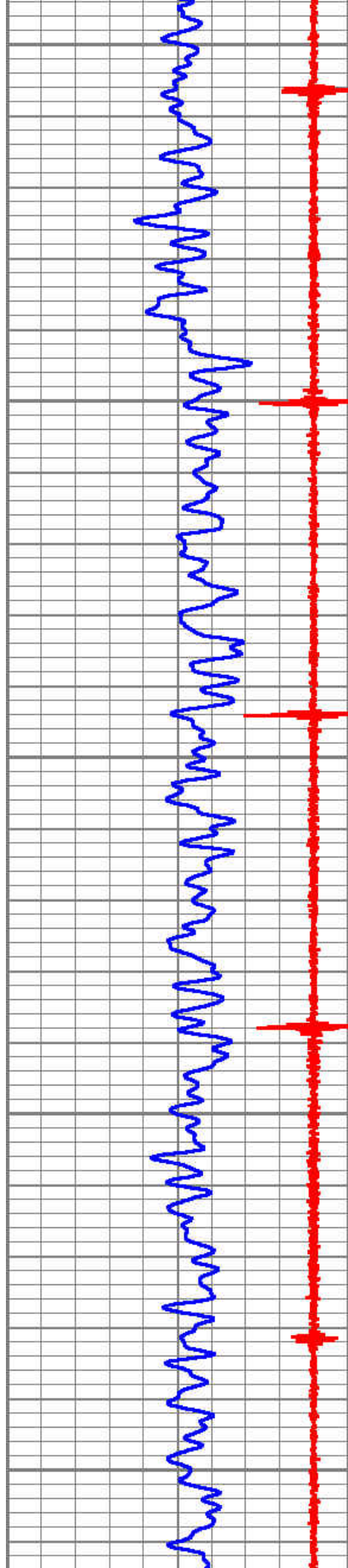
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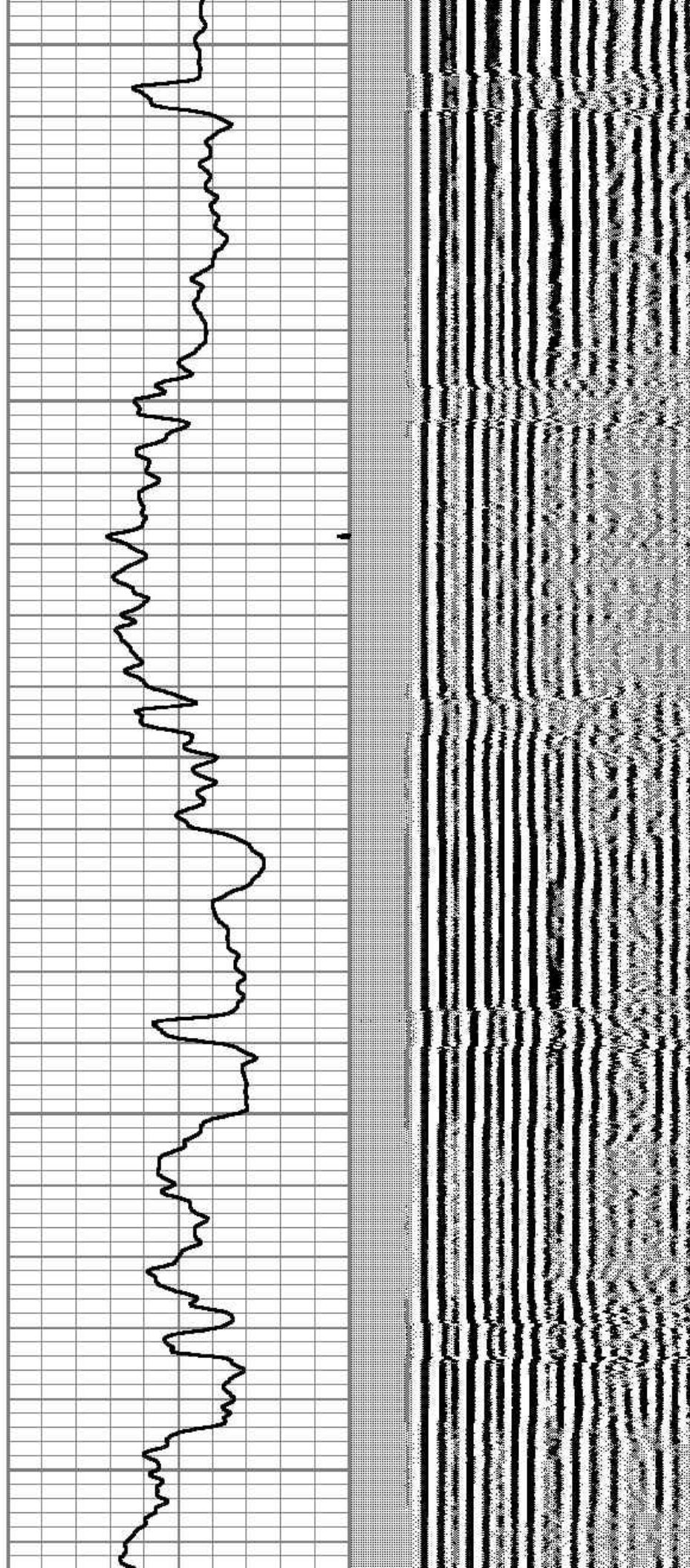
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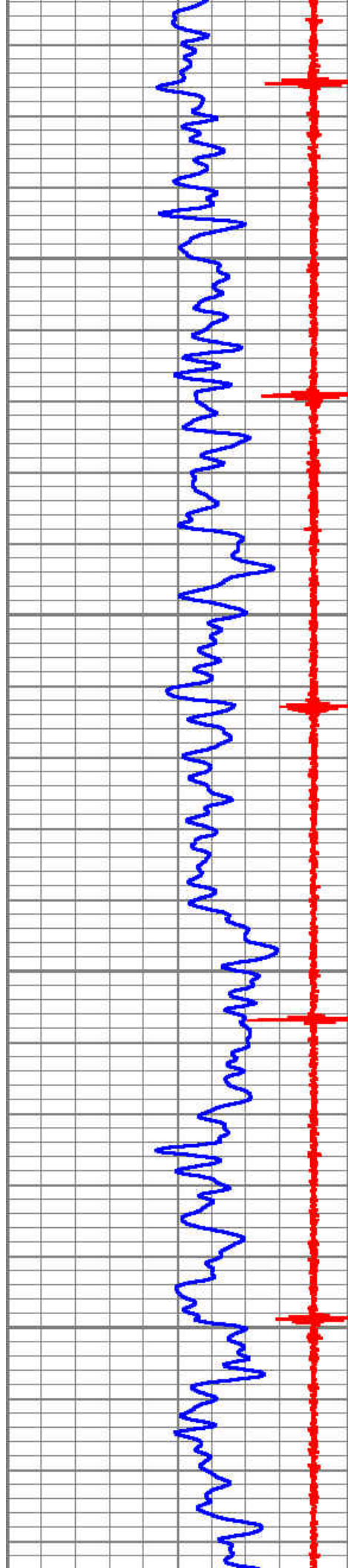
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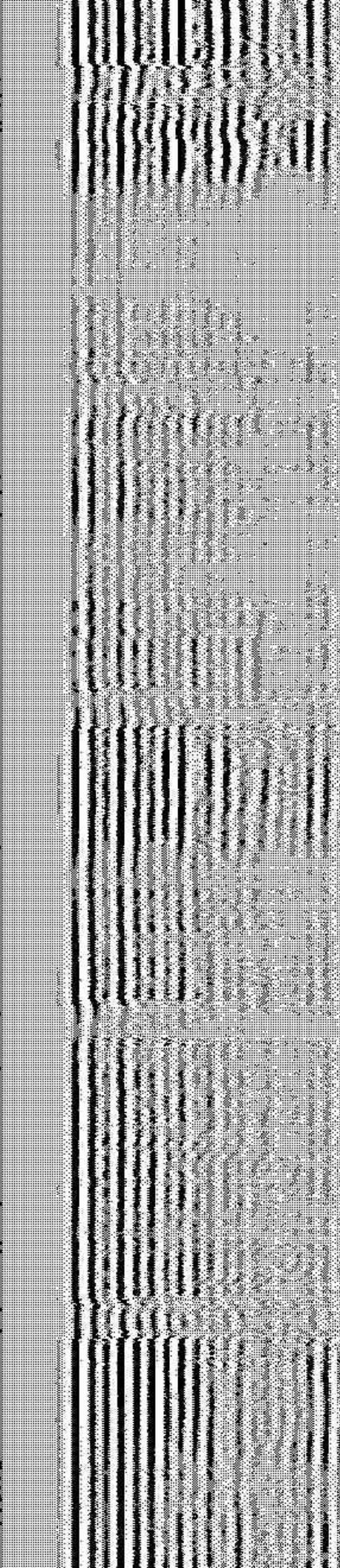
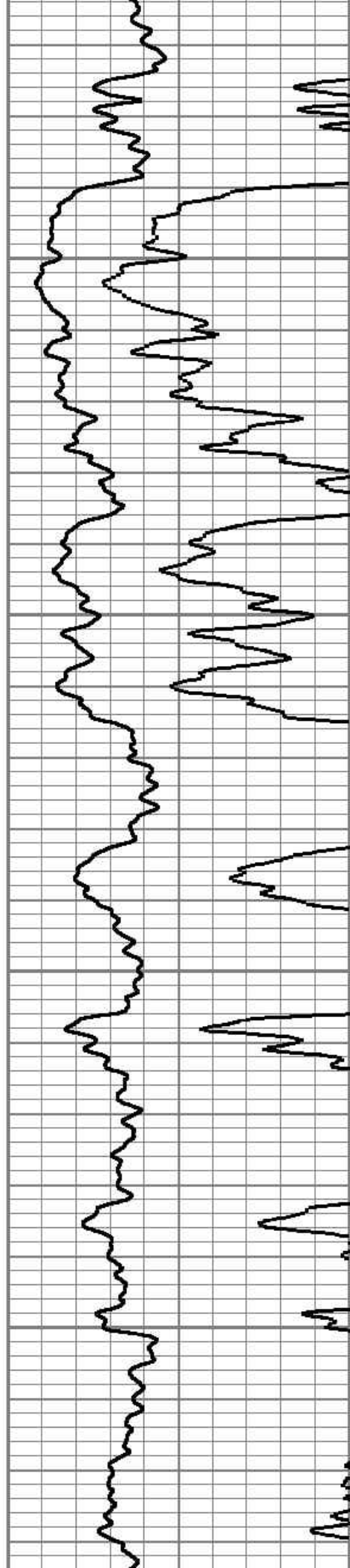


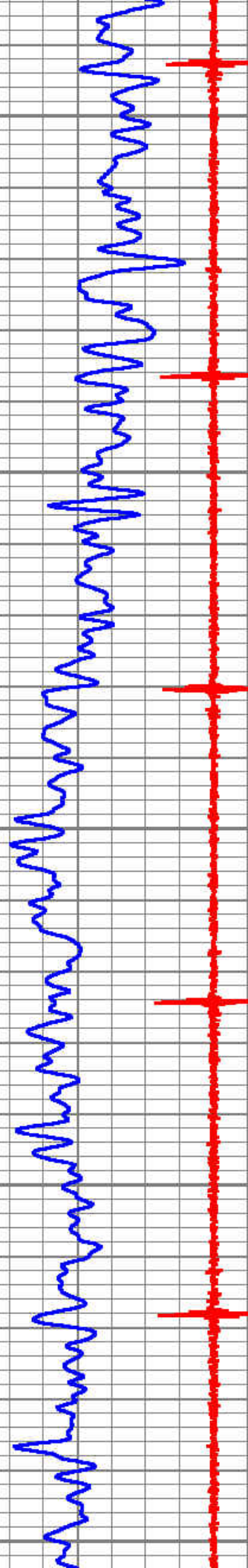
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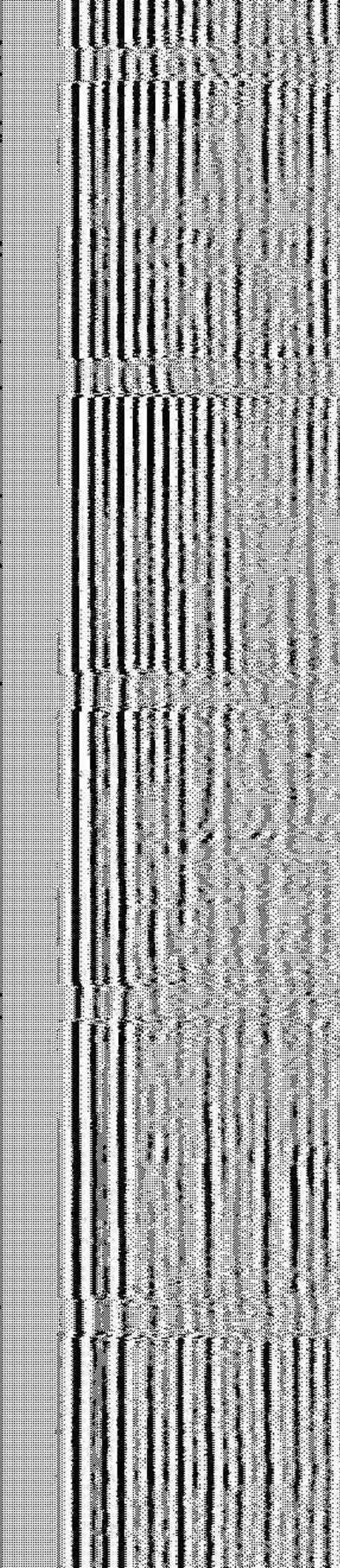
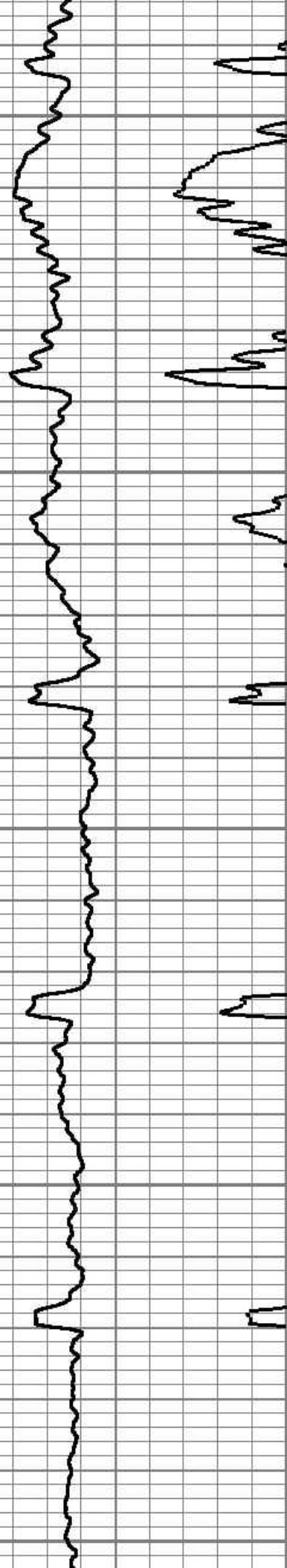
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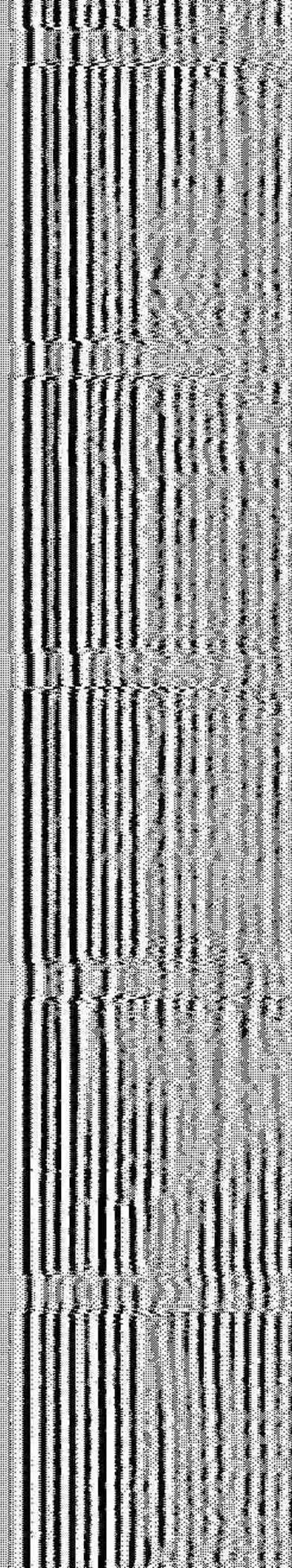
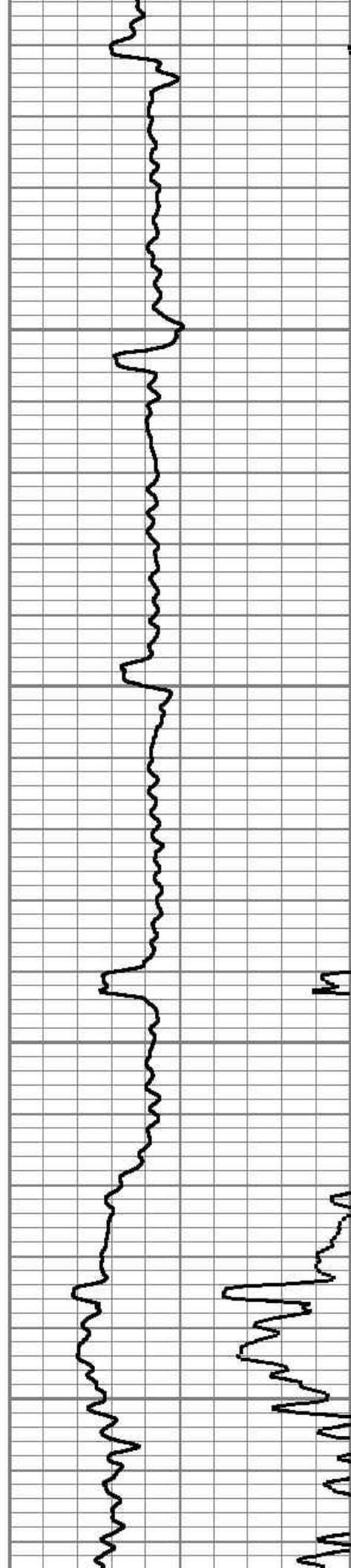
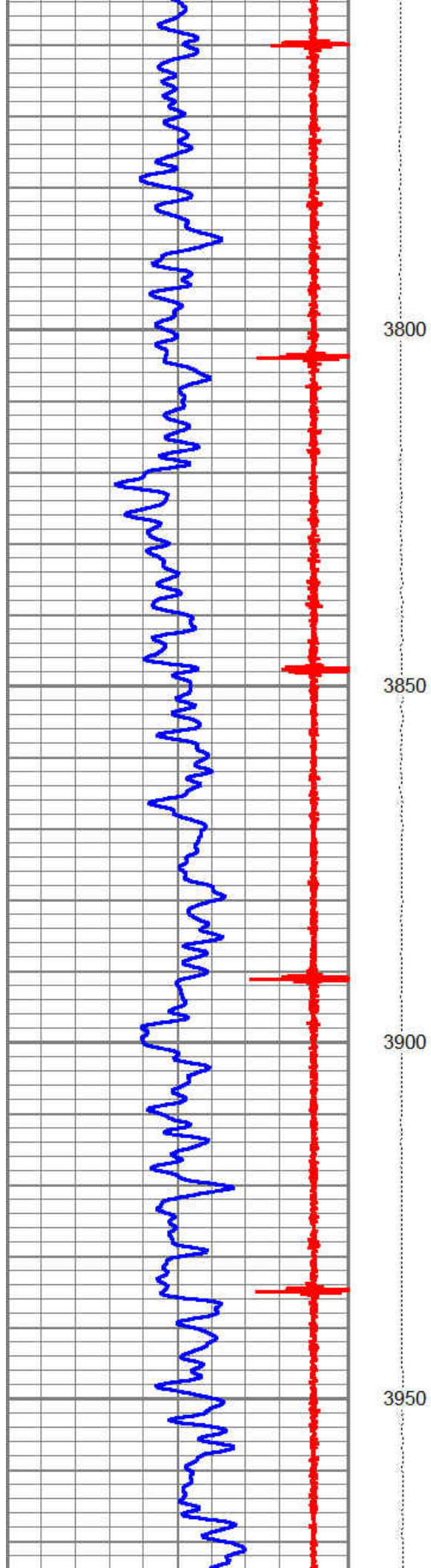
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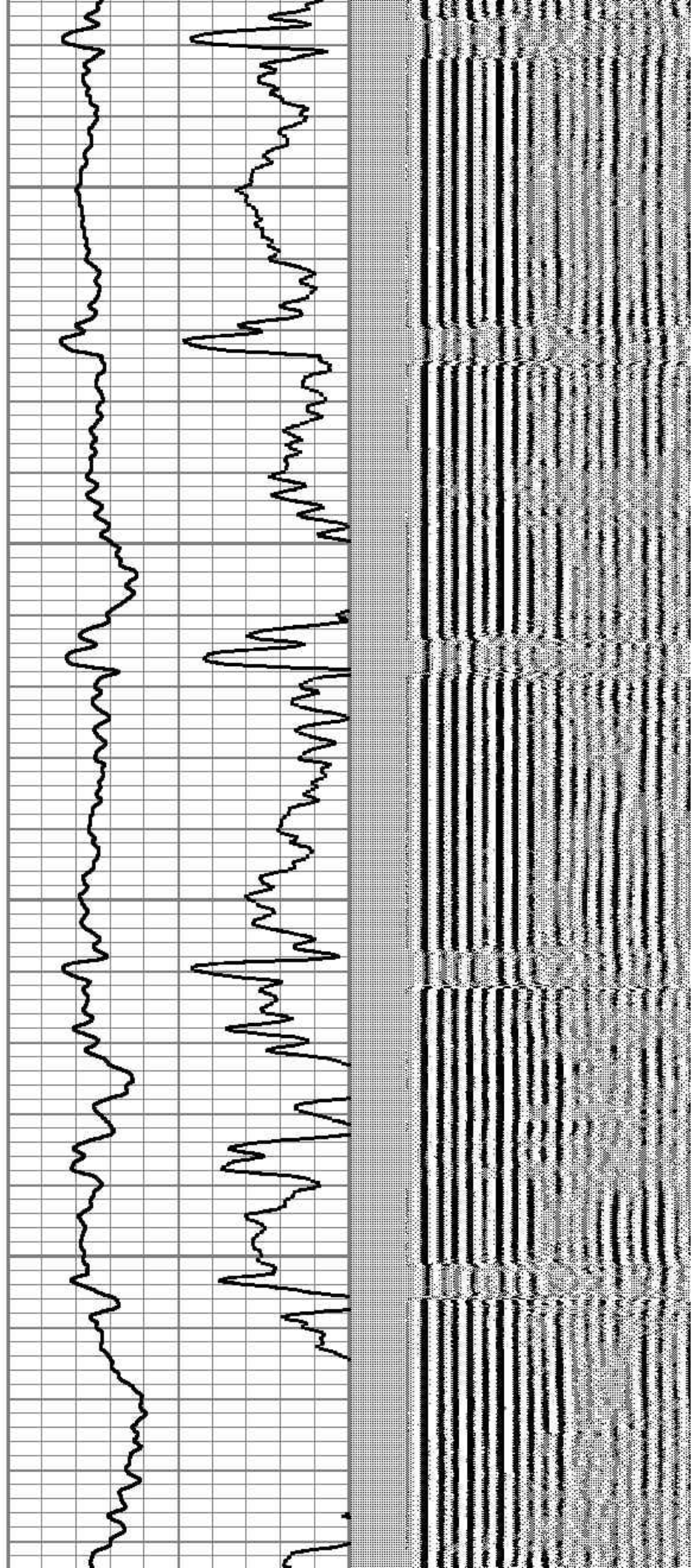
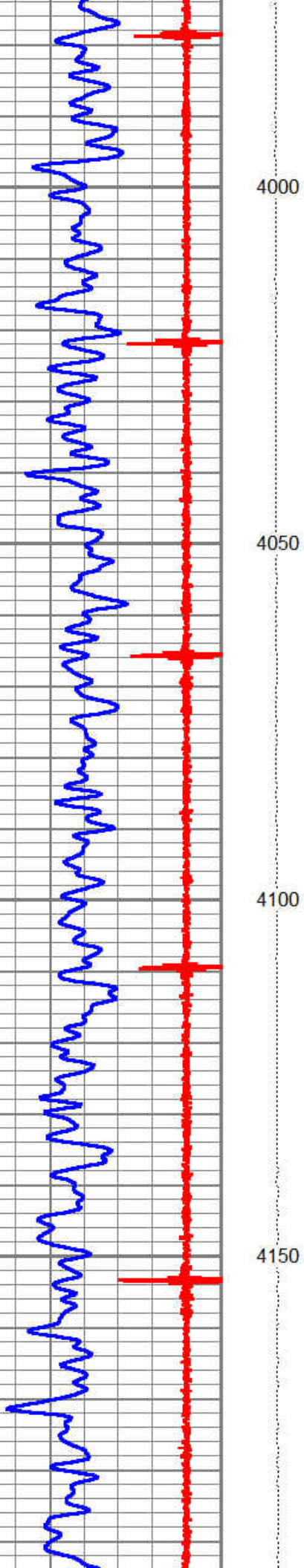
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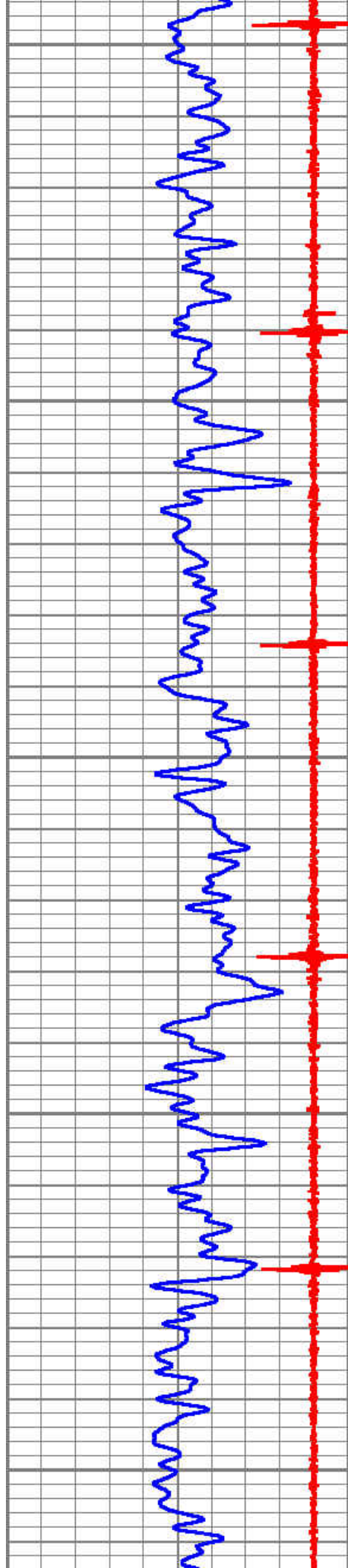
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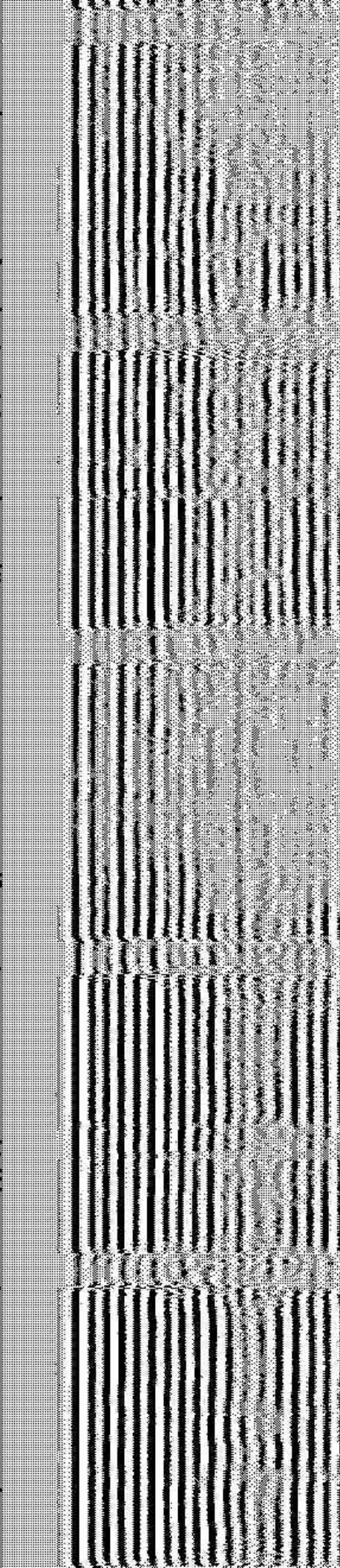
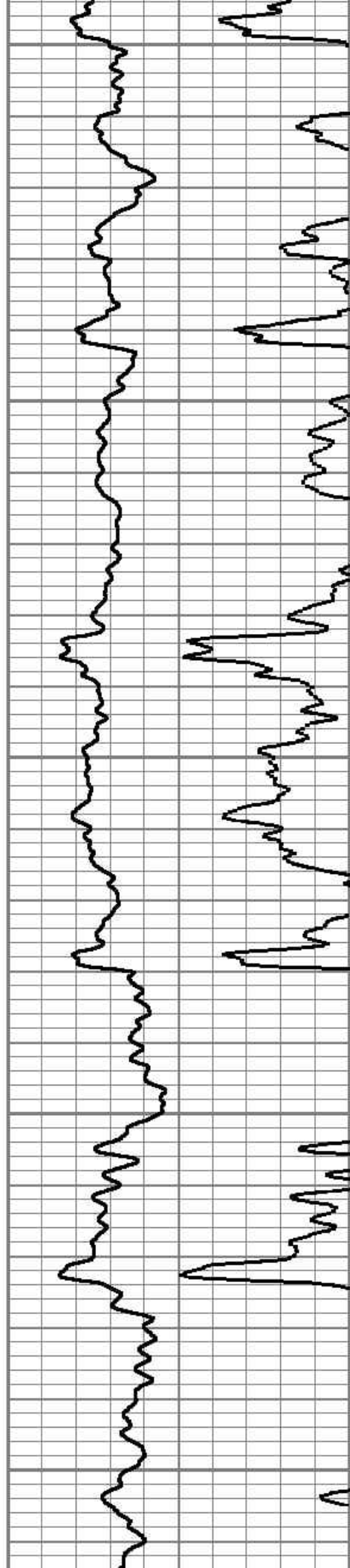
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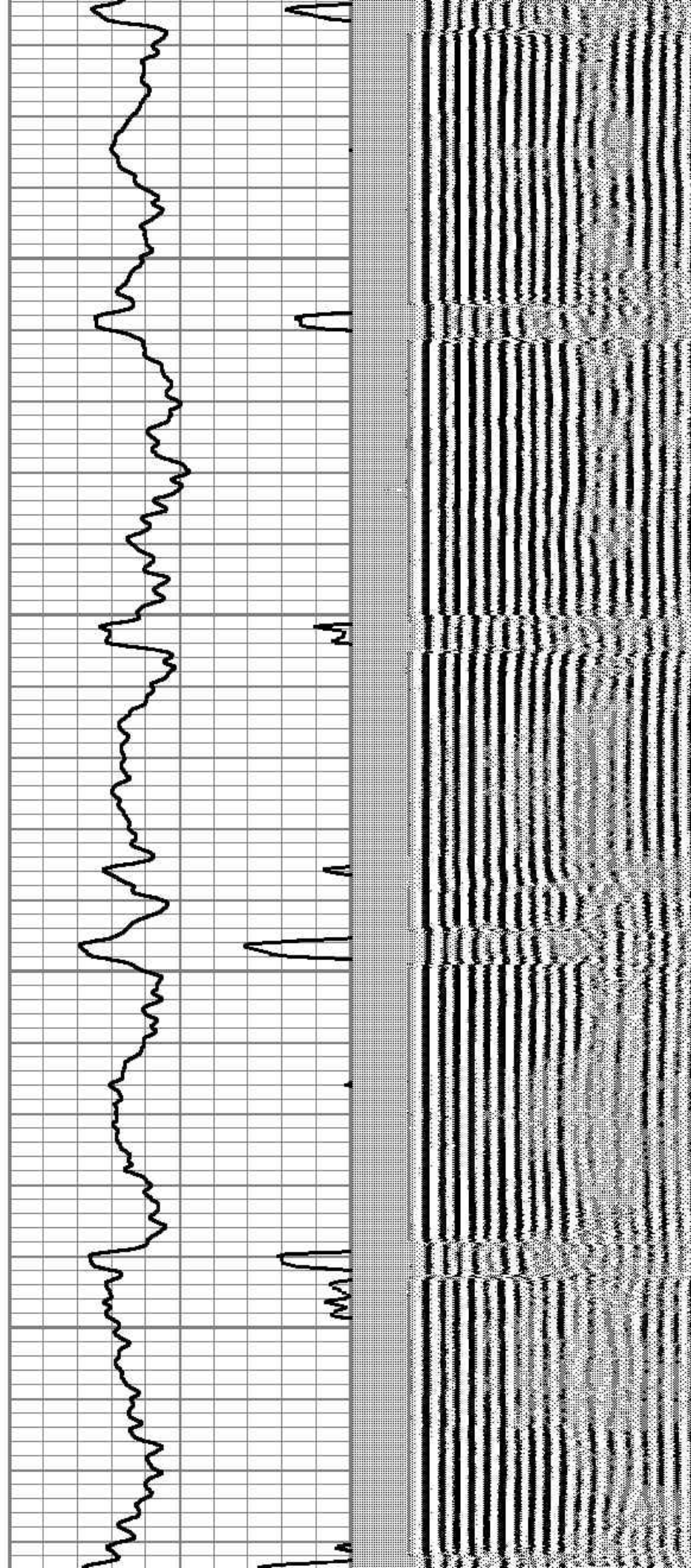
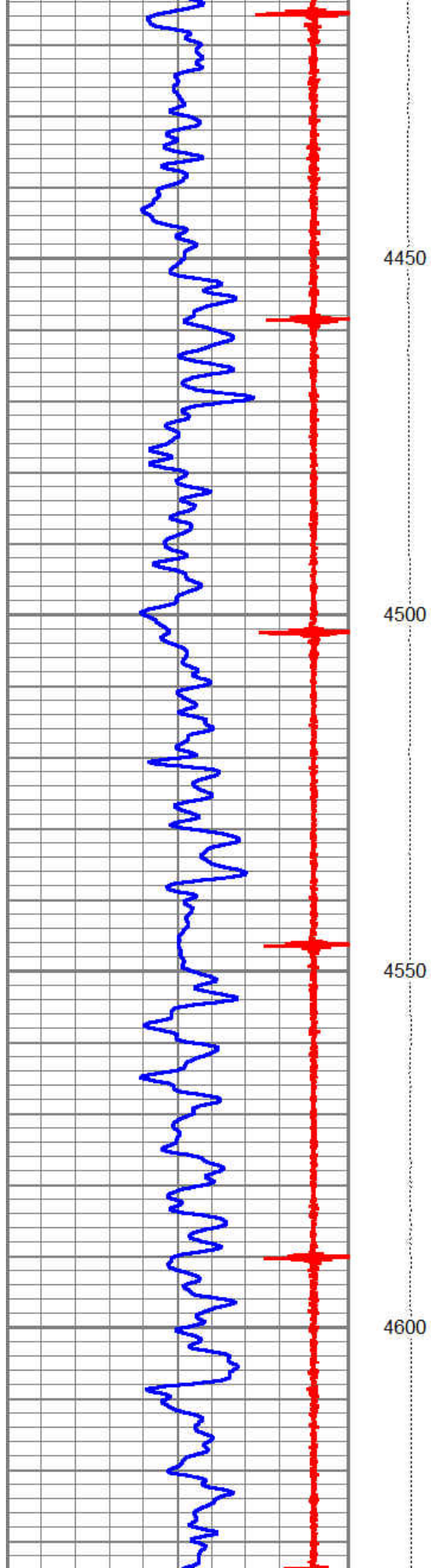
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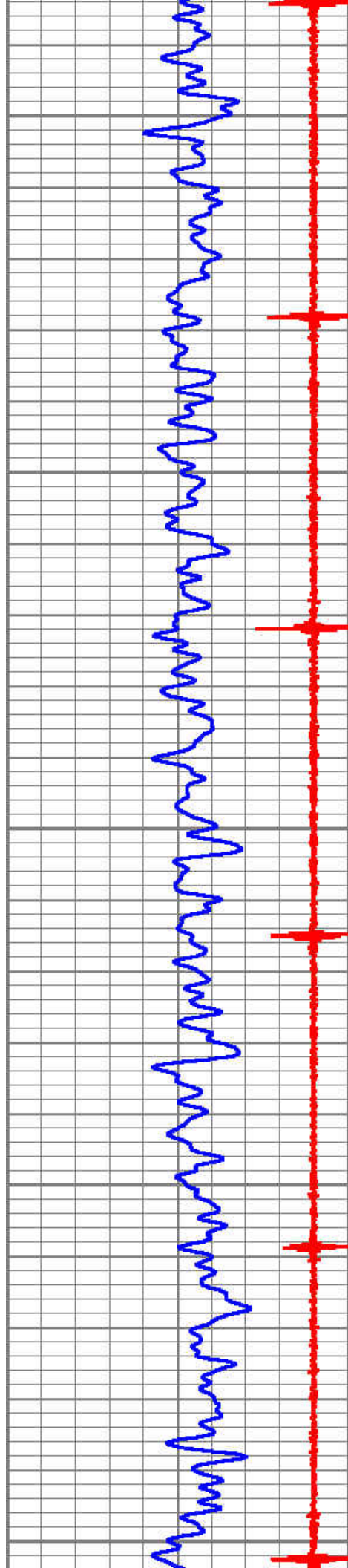
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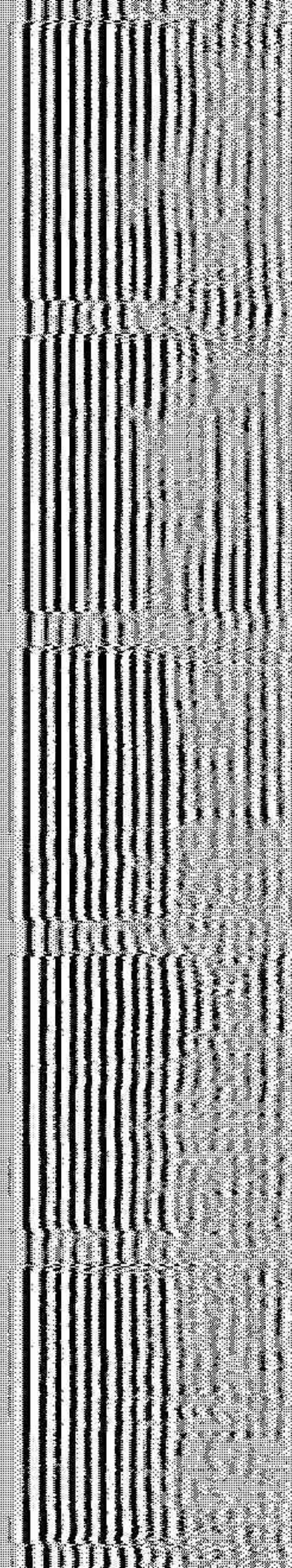
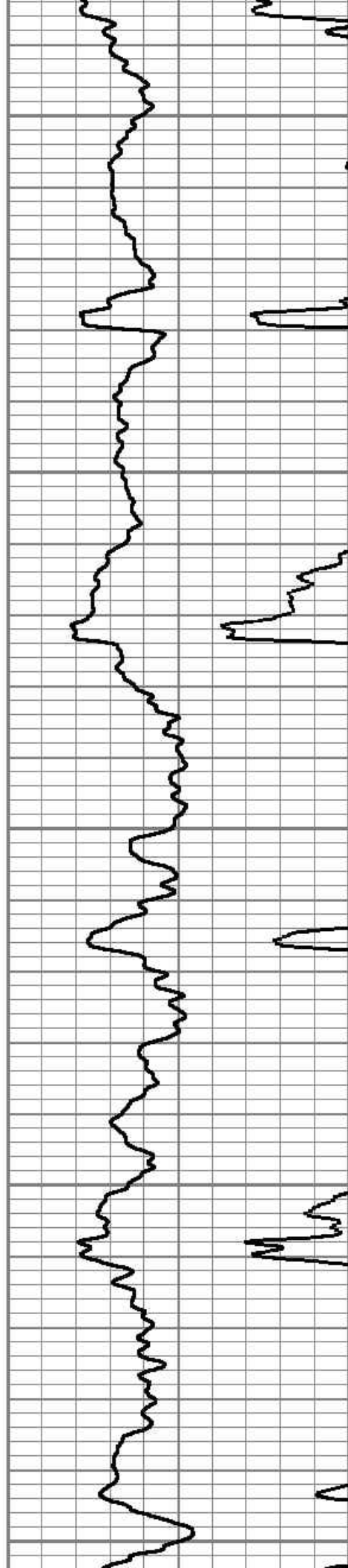
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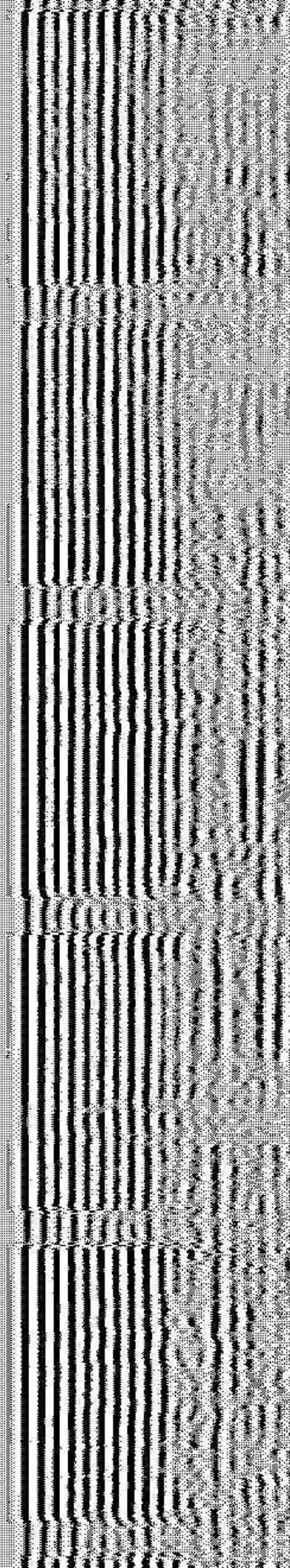
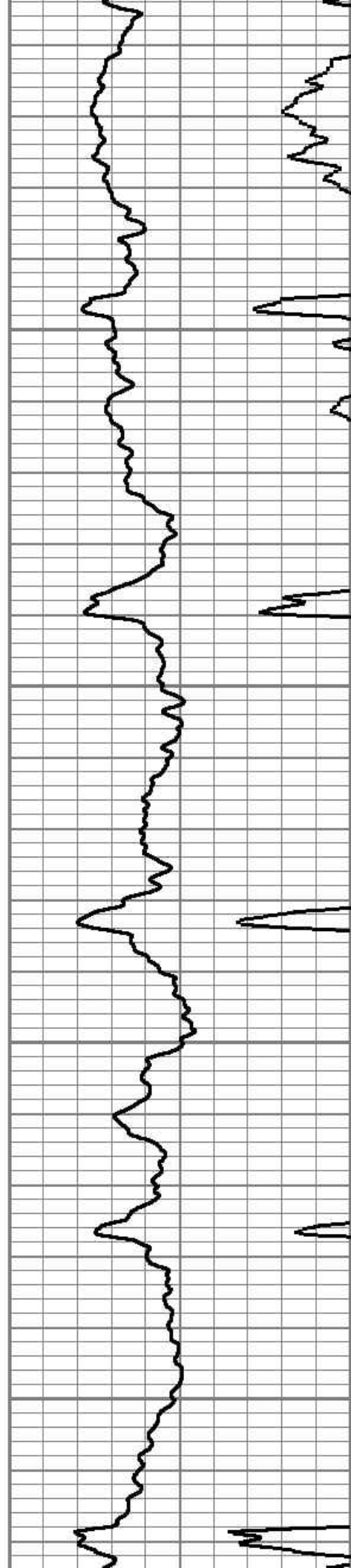
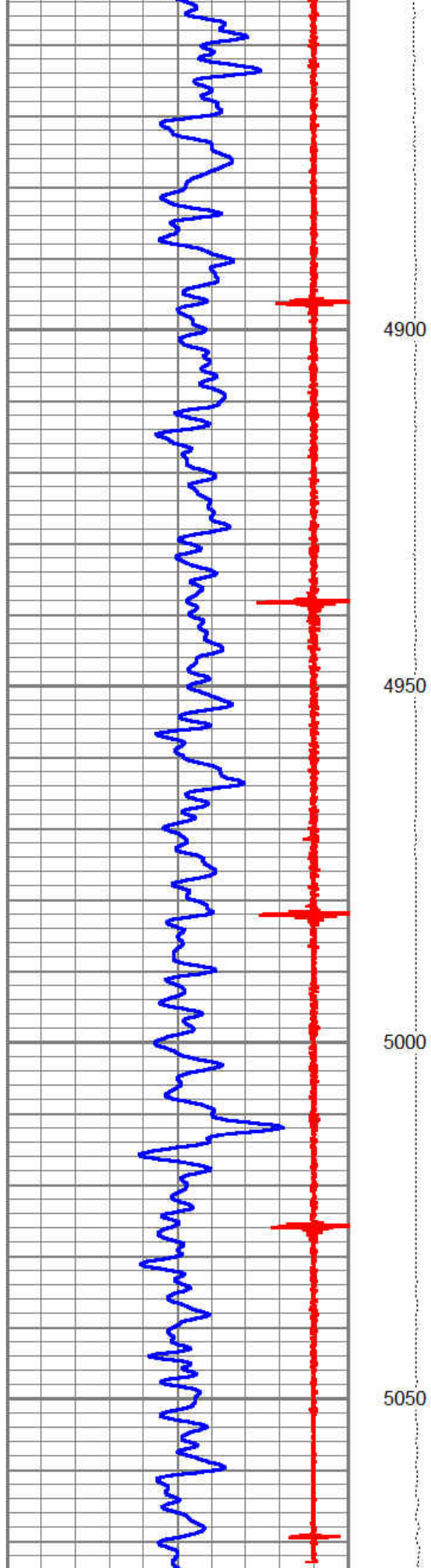
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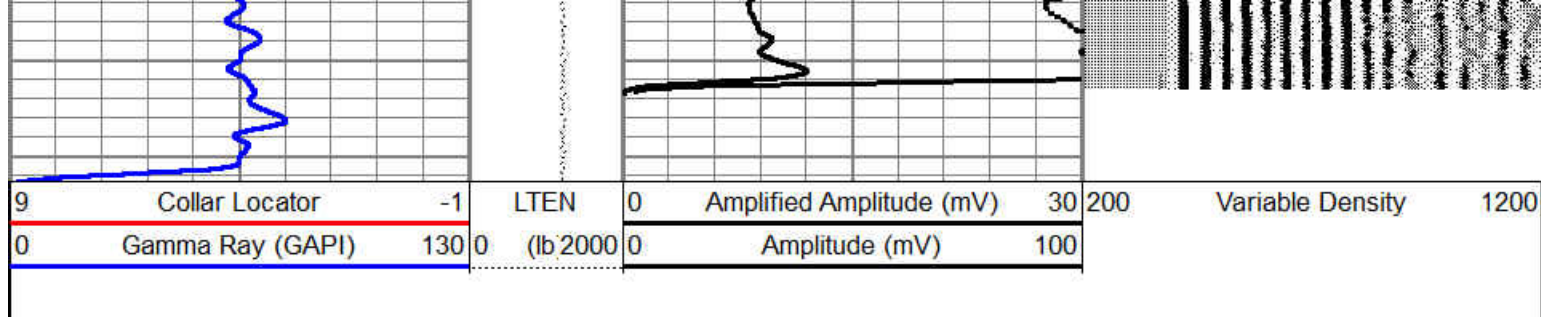
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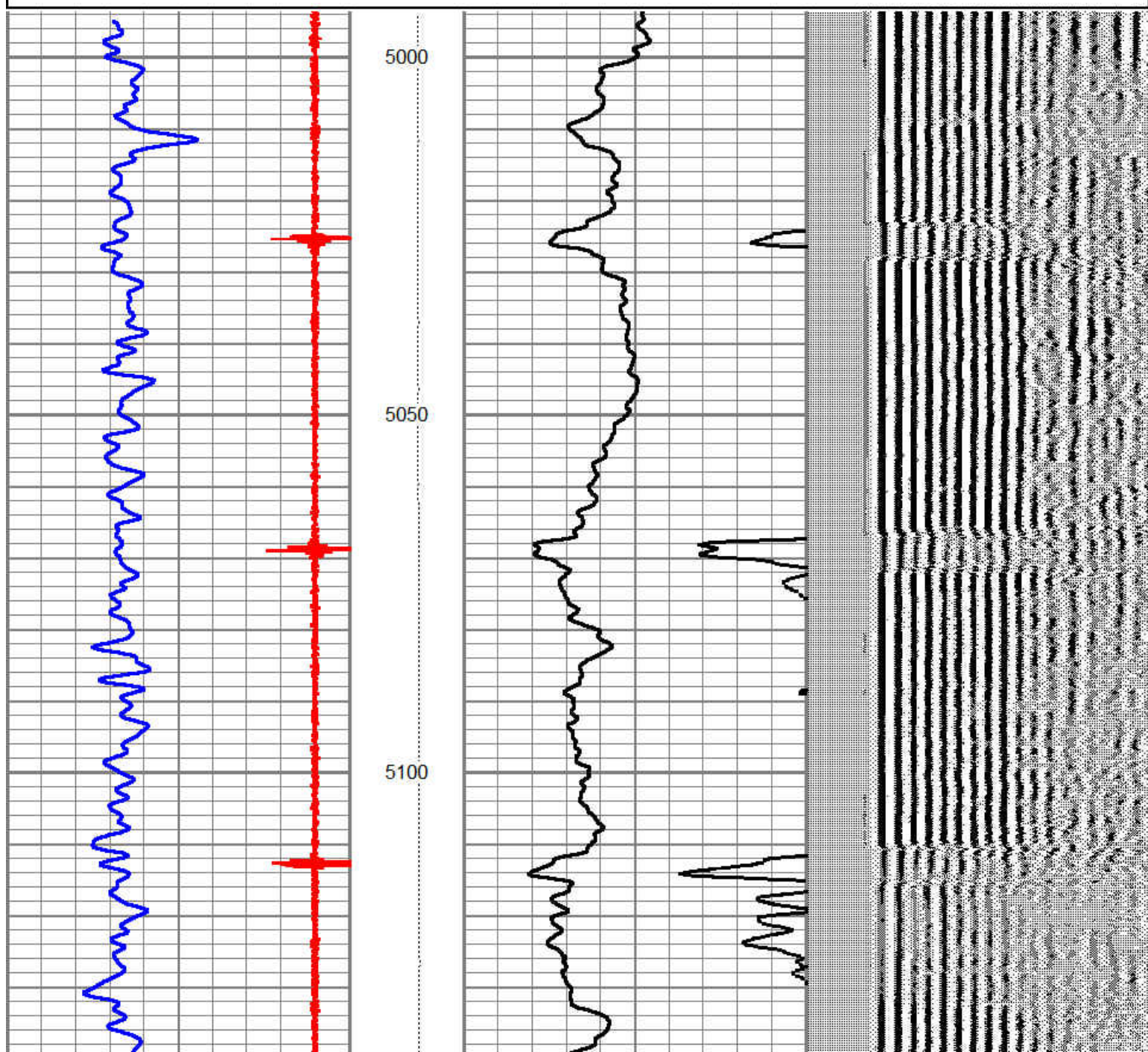
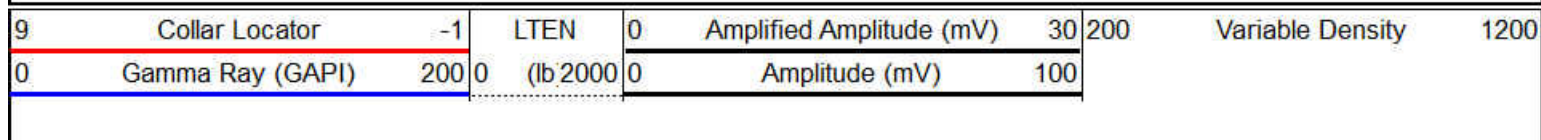
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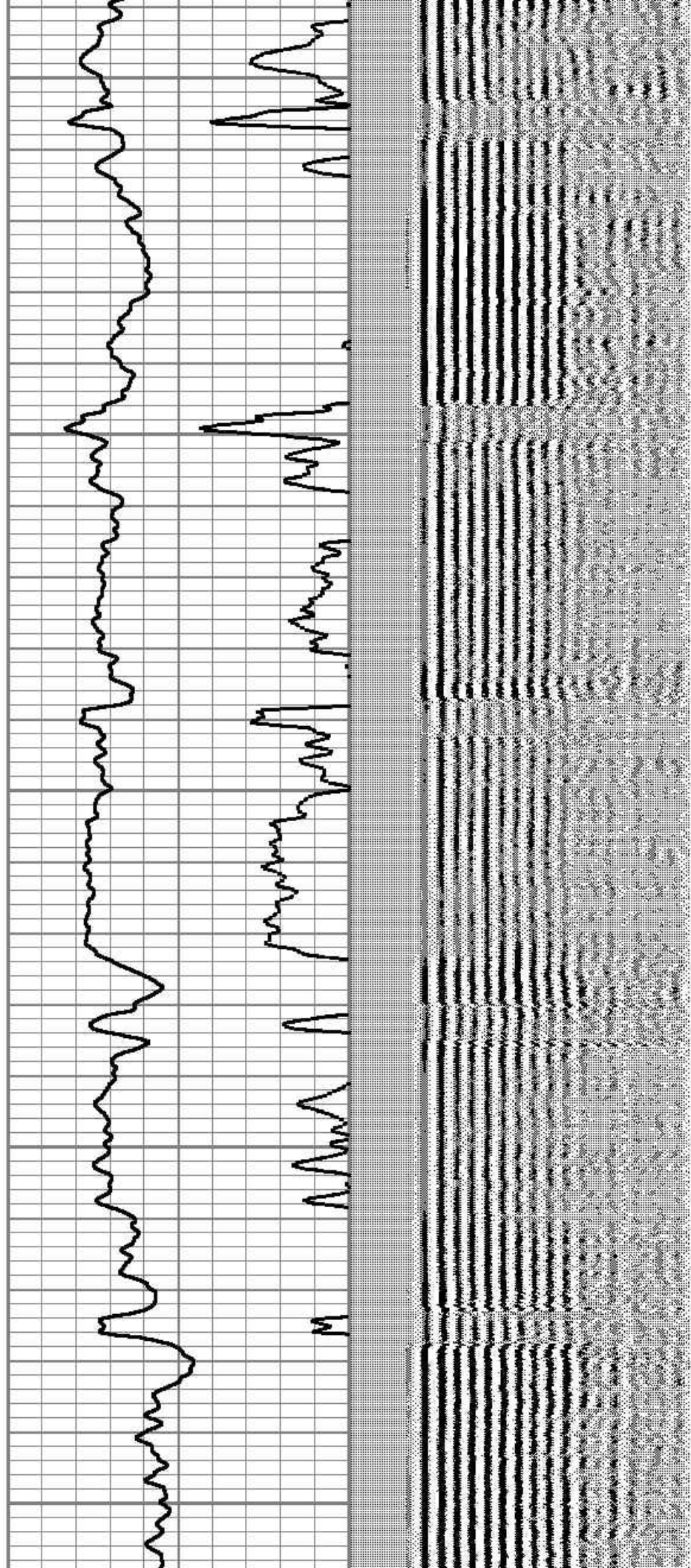
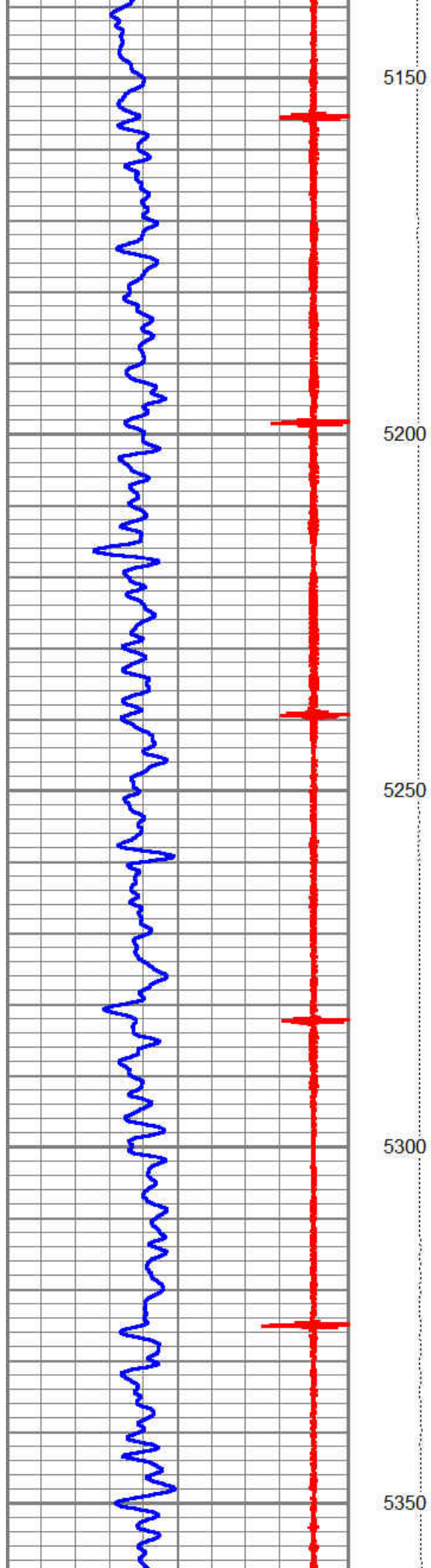


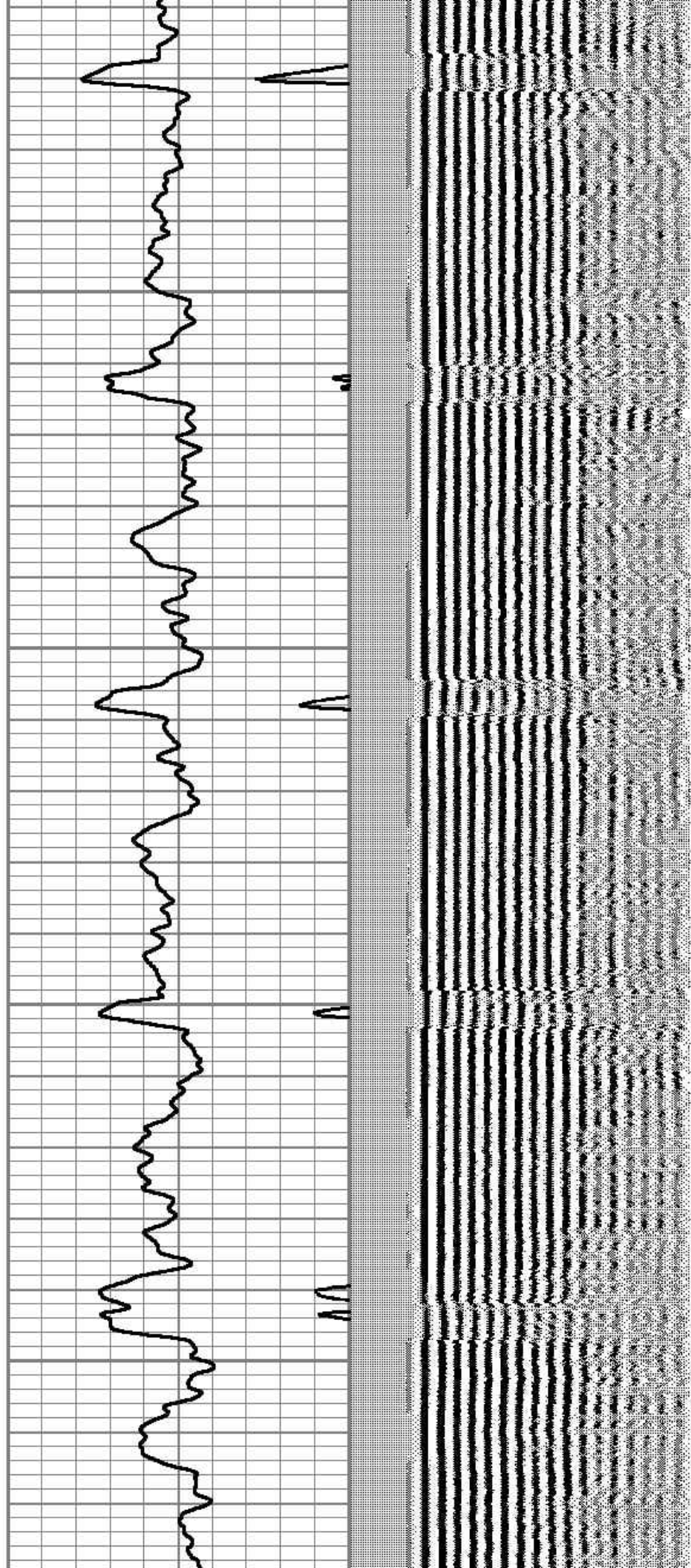
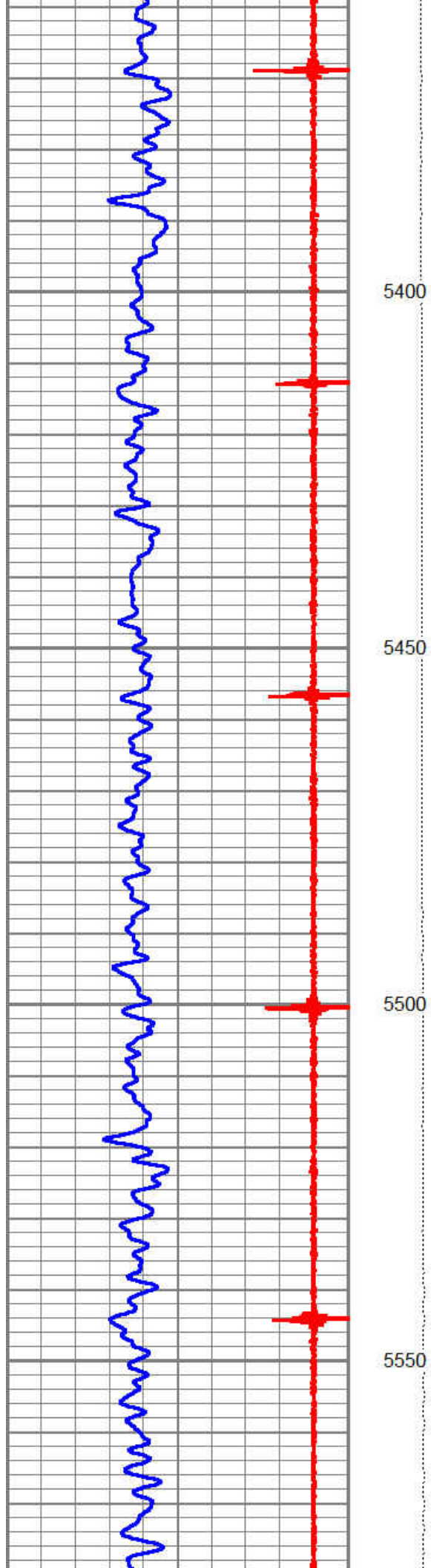


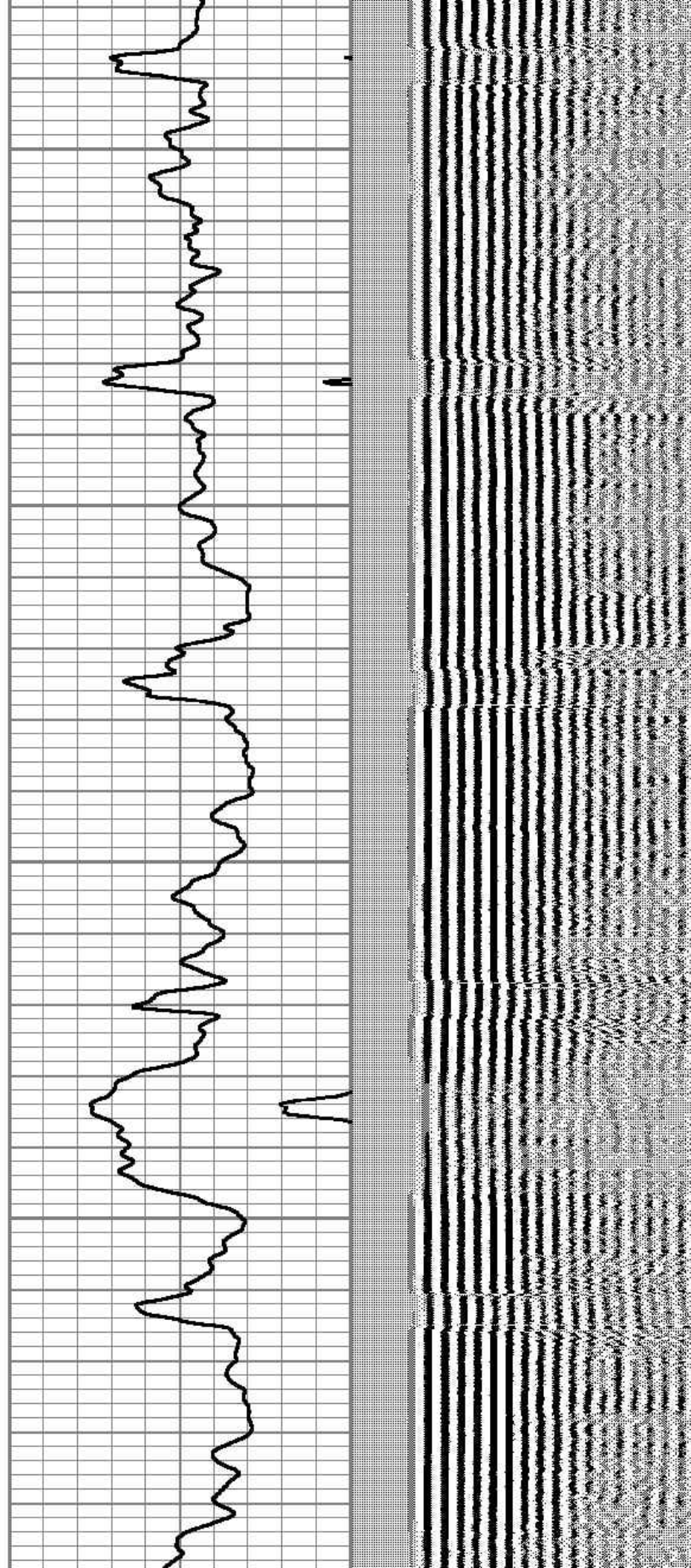
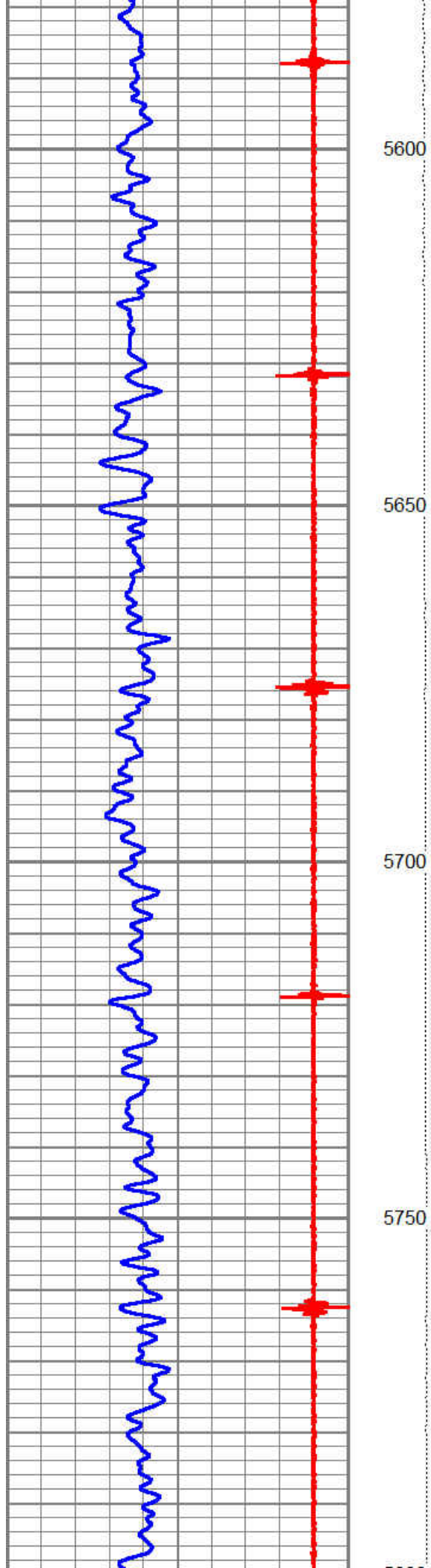


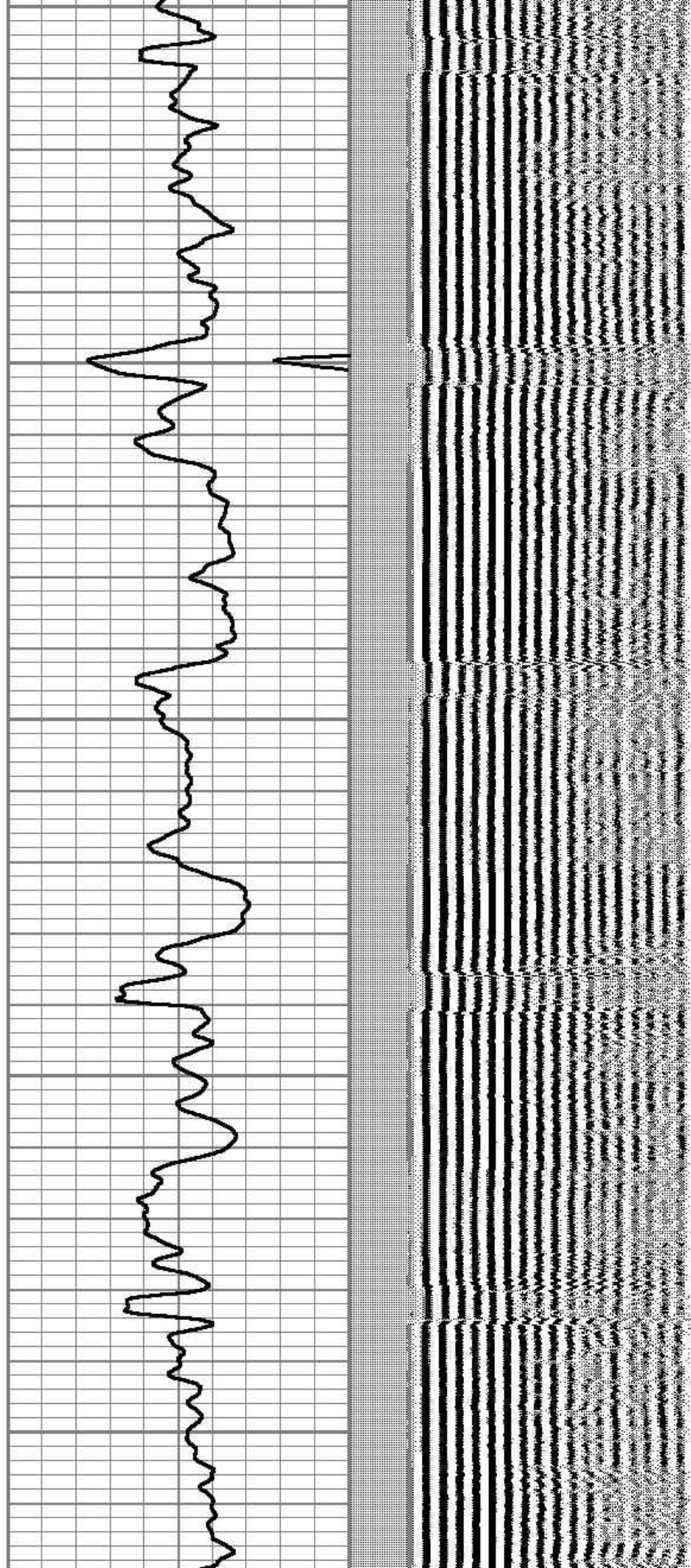
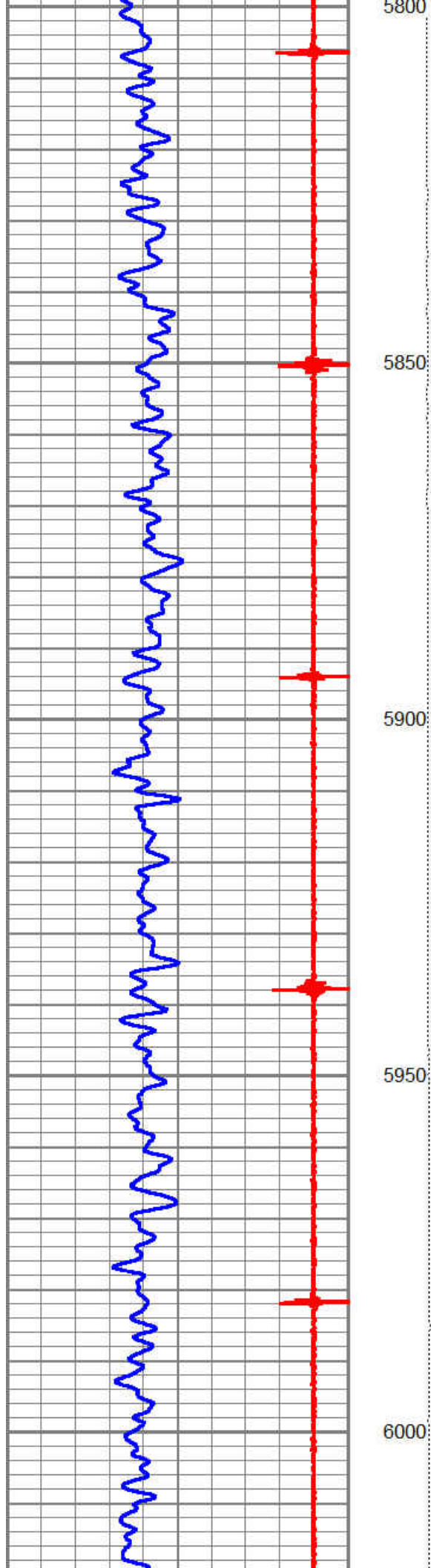
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 Charted by: Depth in Feet scaled 1:240

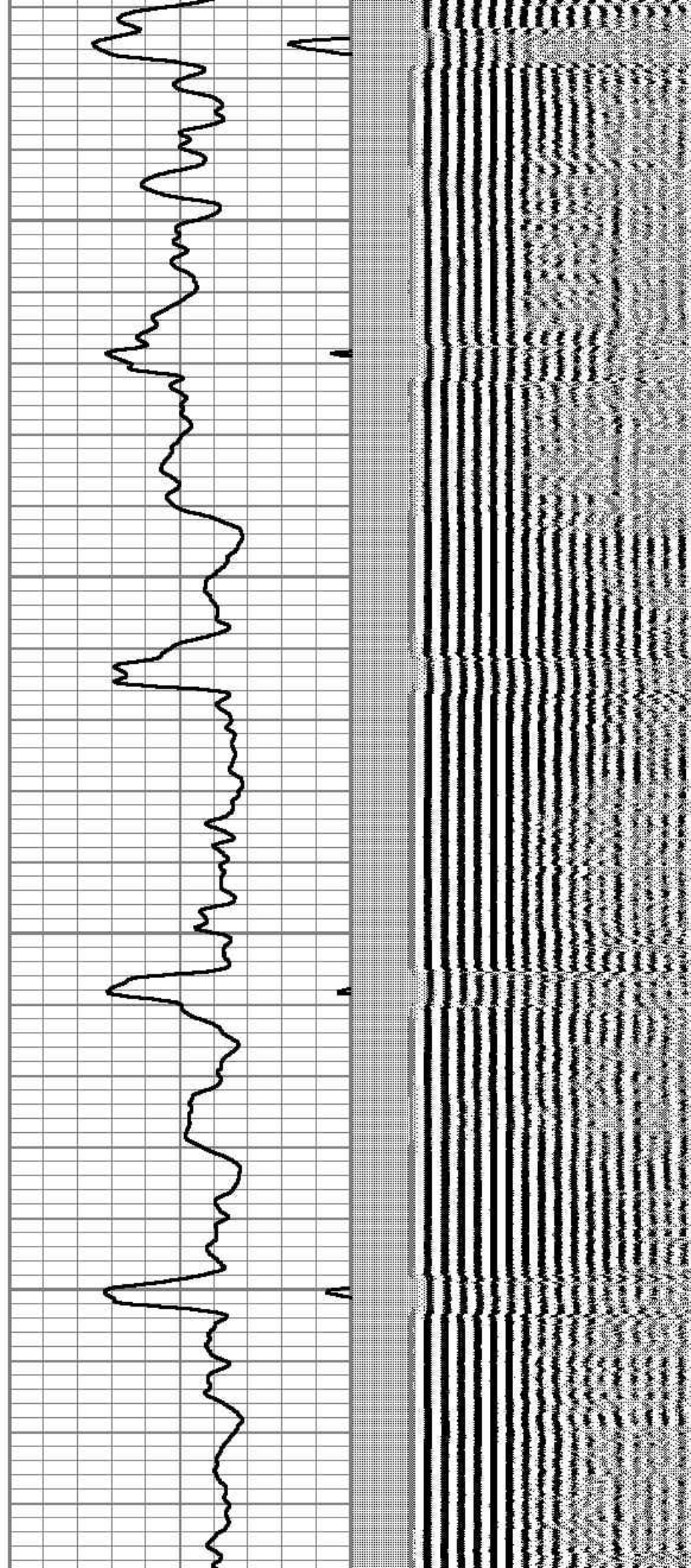
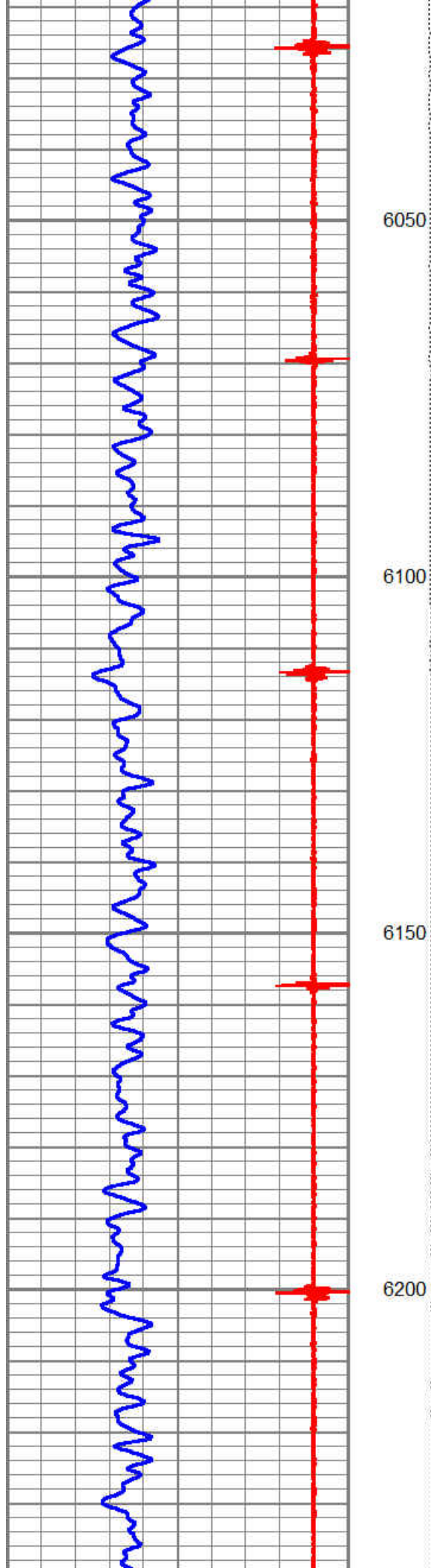


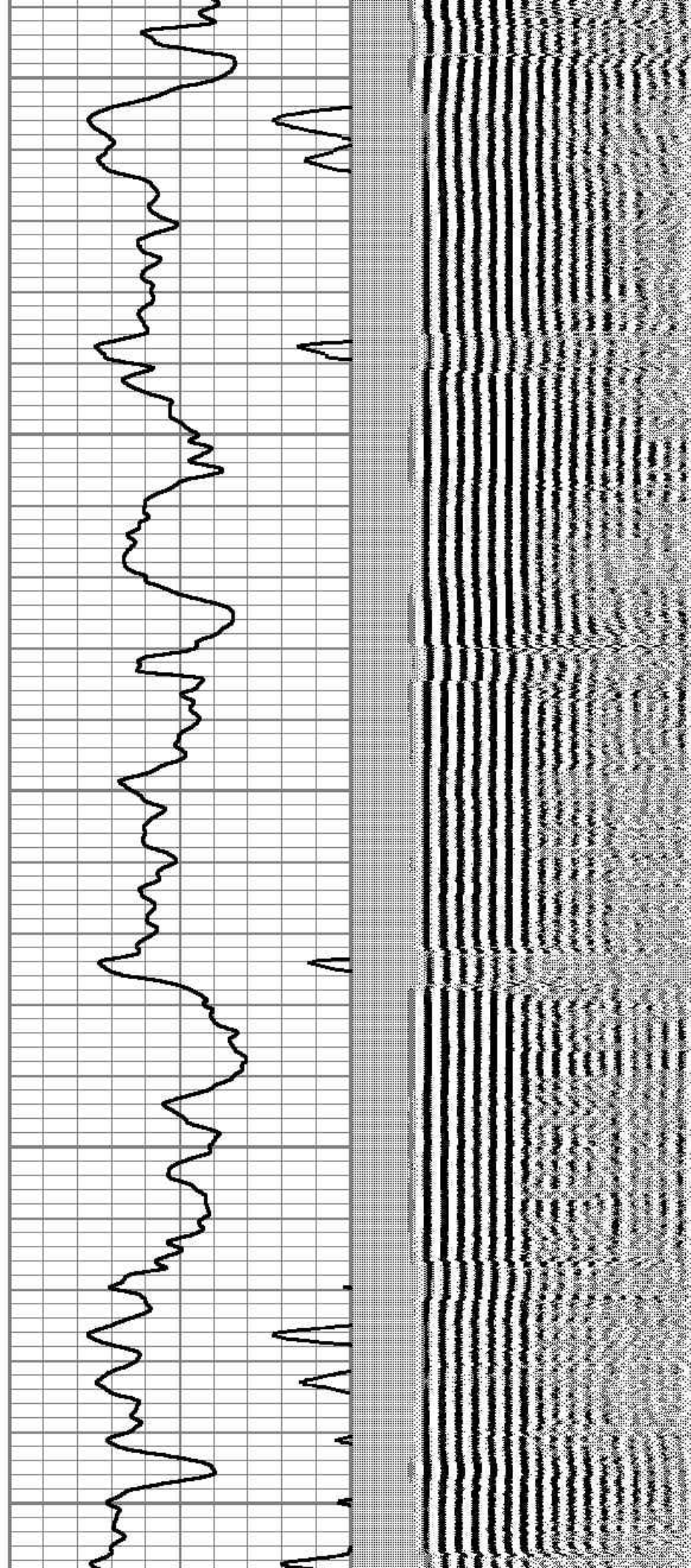
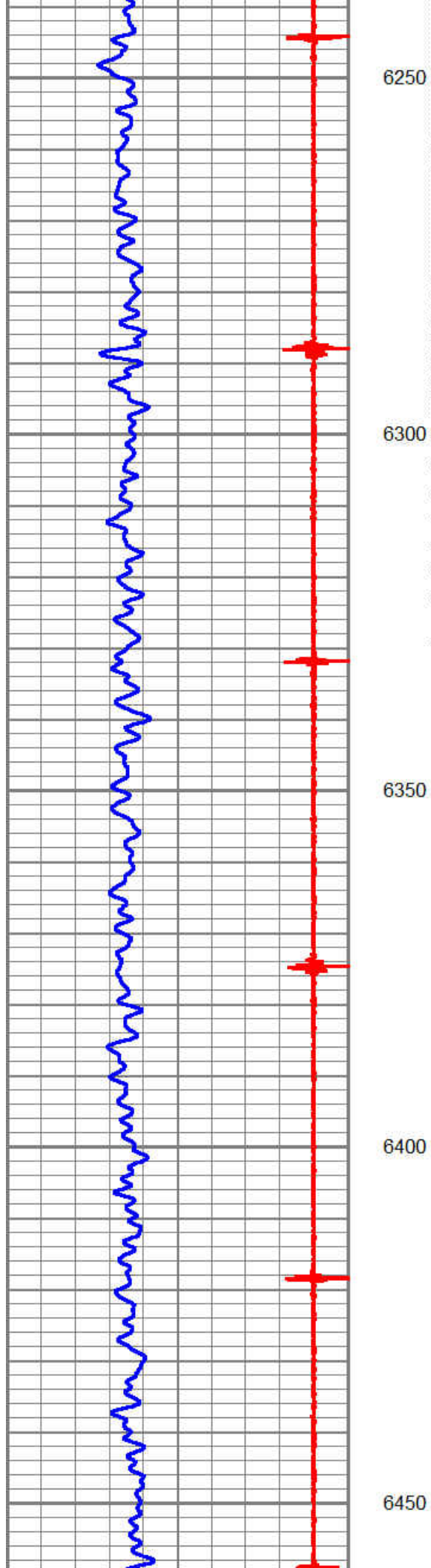


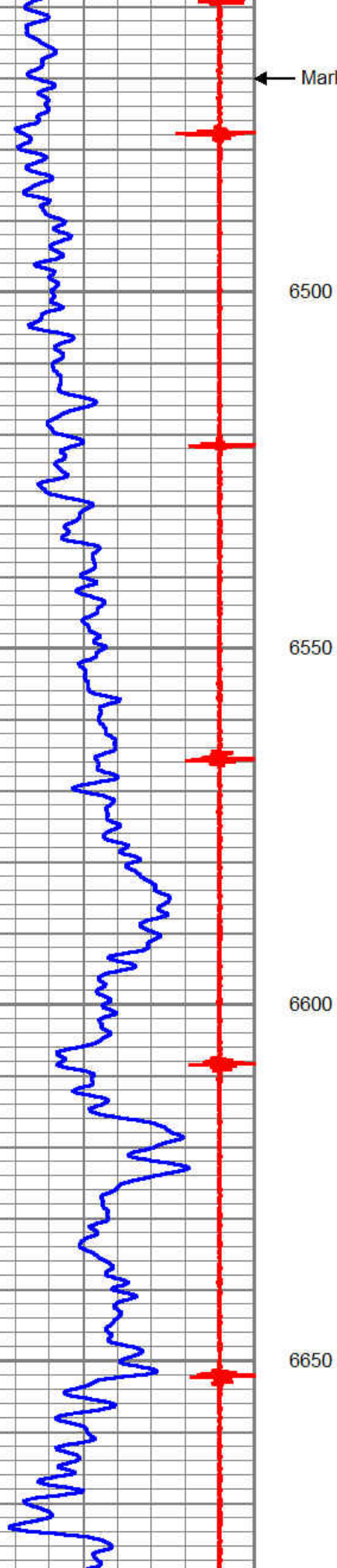












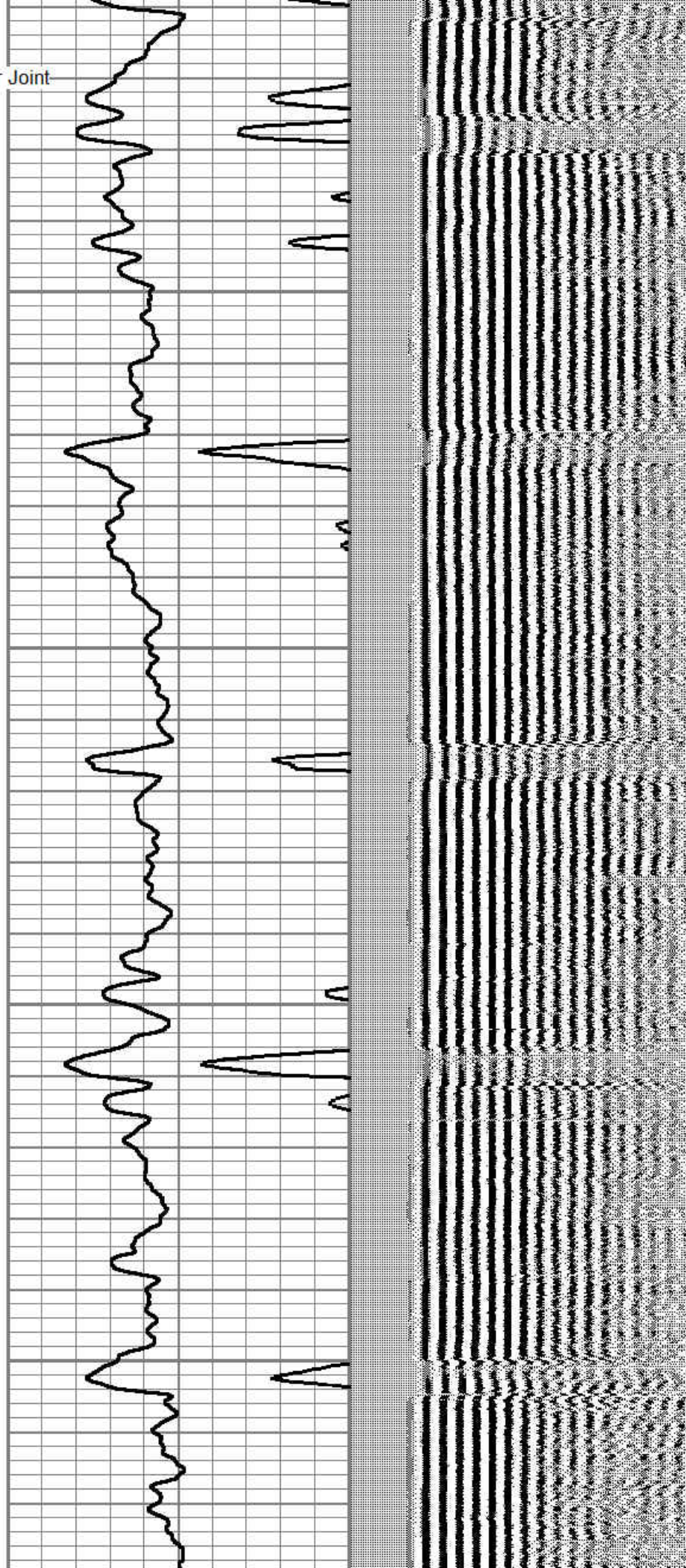
Marker Joint

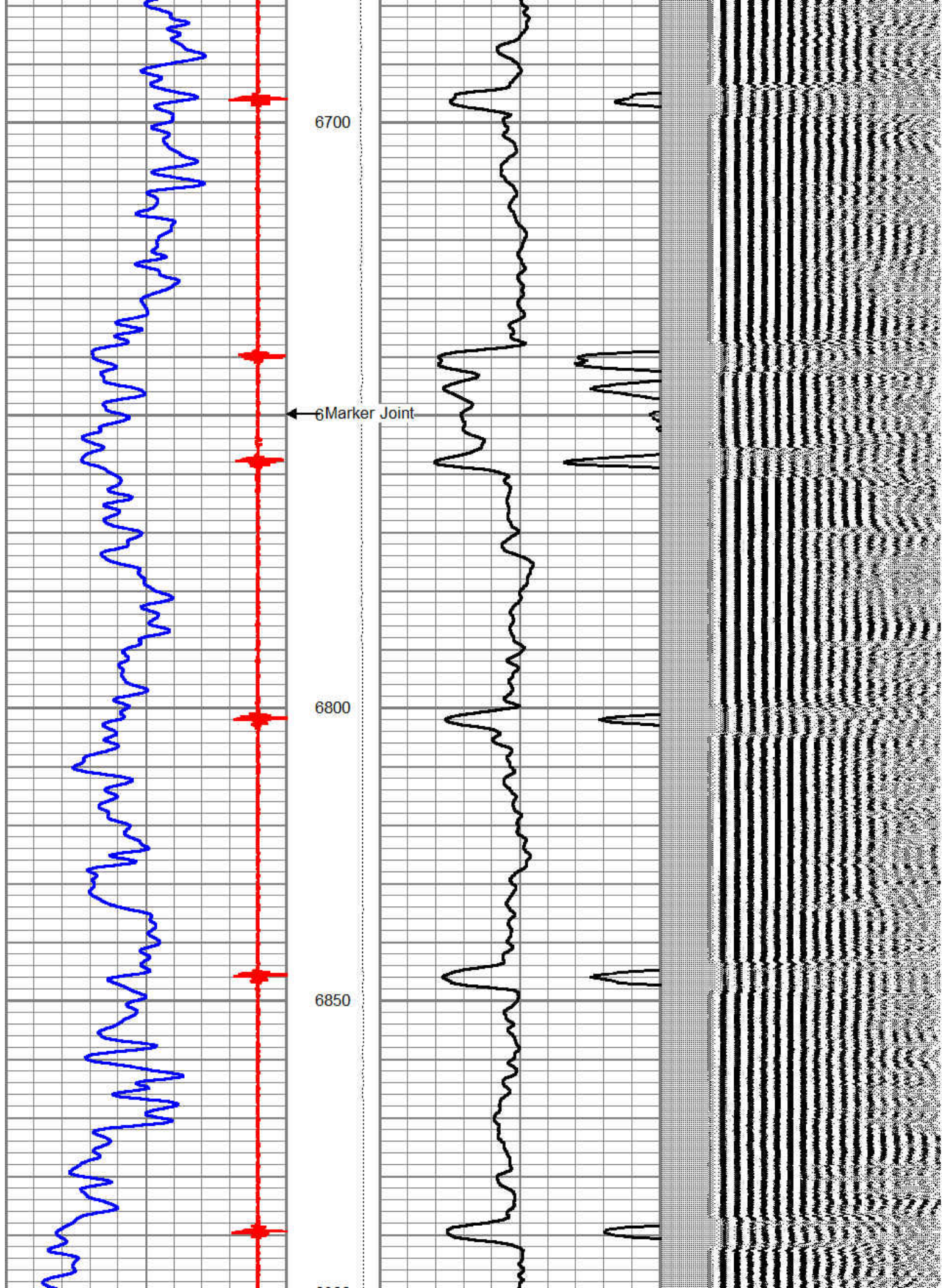
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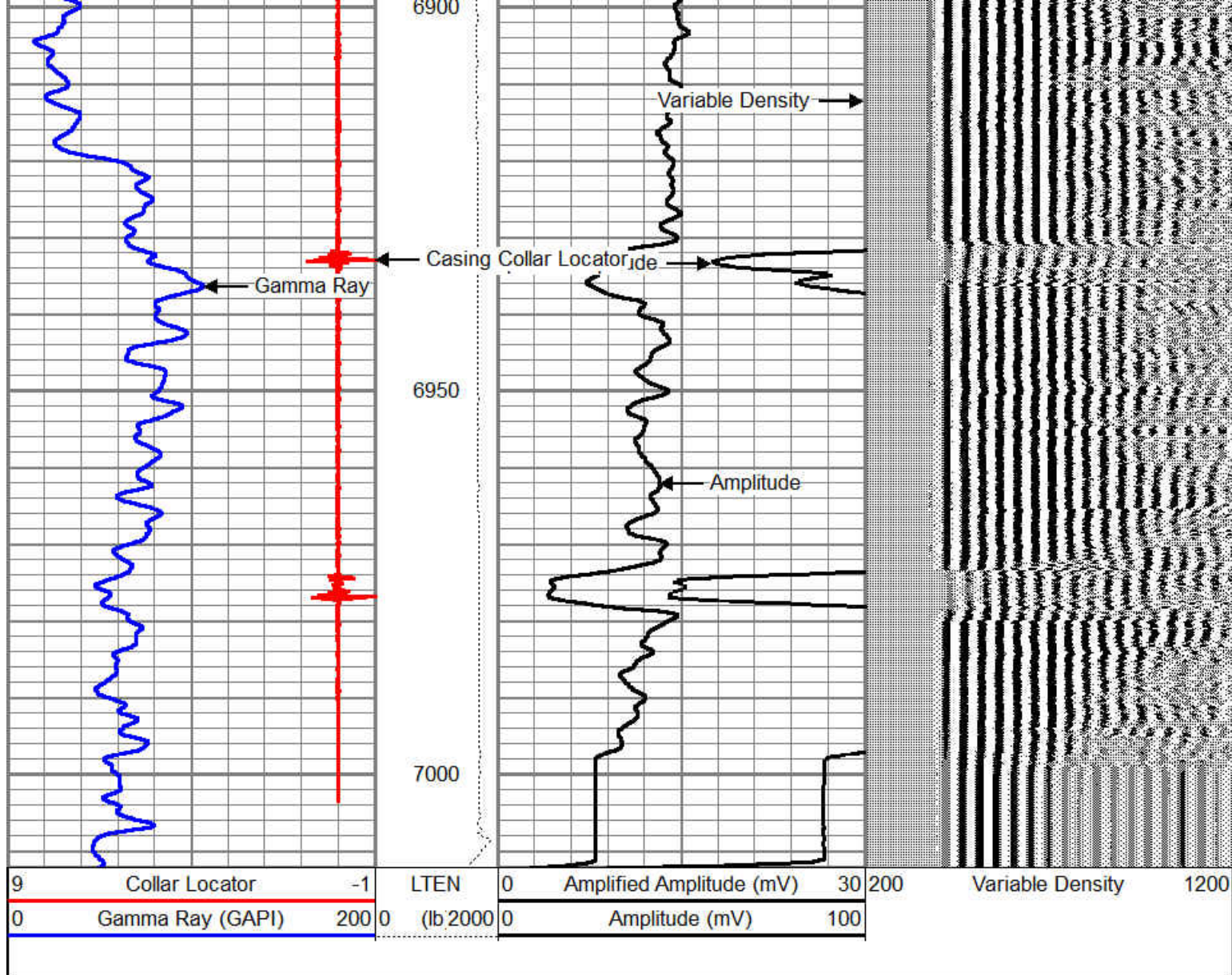
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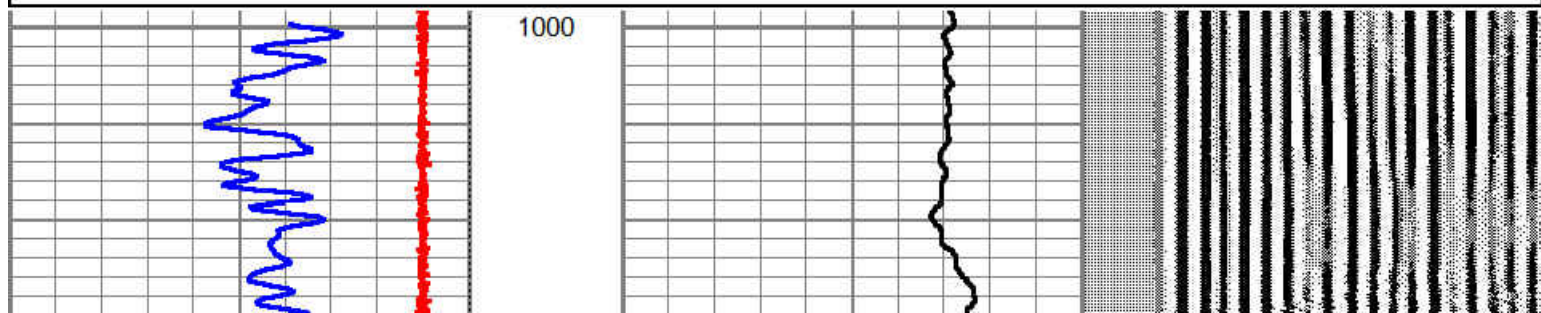


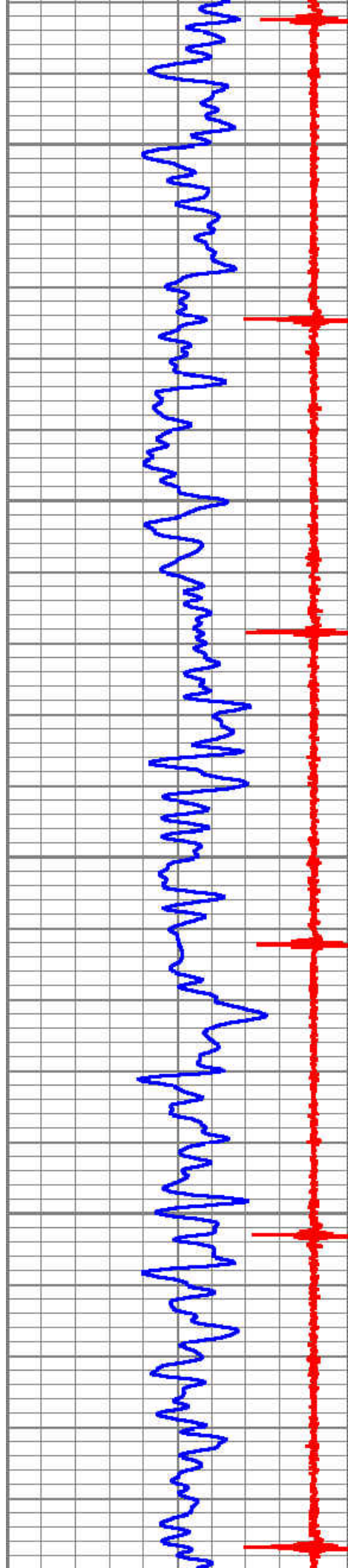




Logged under 1000 Psi

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 Dataset Pathname: pass6
 Presentation Format: cbl_dr
 Dataset Creation: Wed Jan 23 16:18:47 2013 by Log SCH 120126
 Charted by: Depth in Feet scaled 1:240





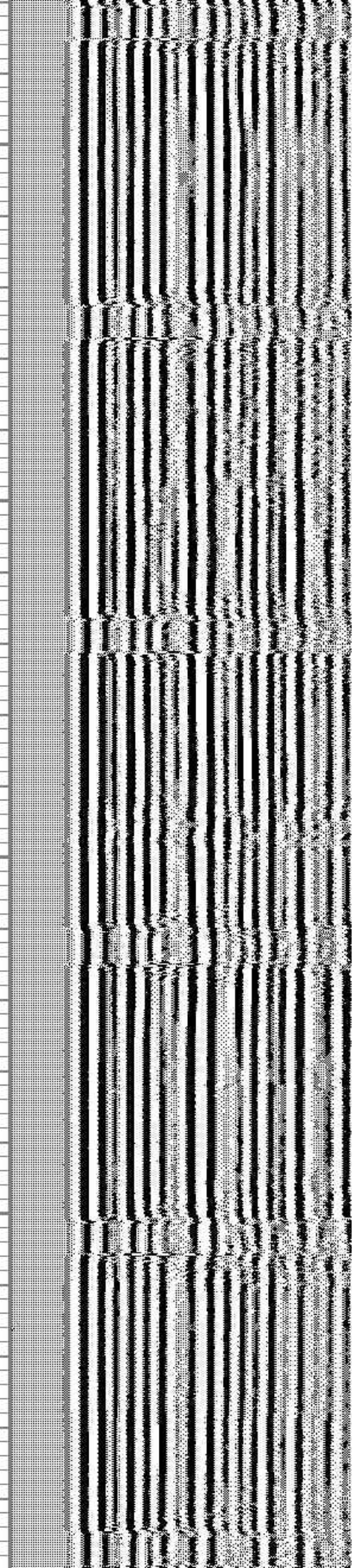
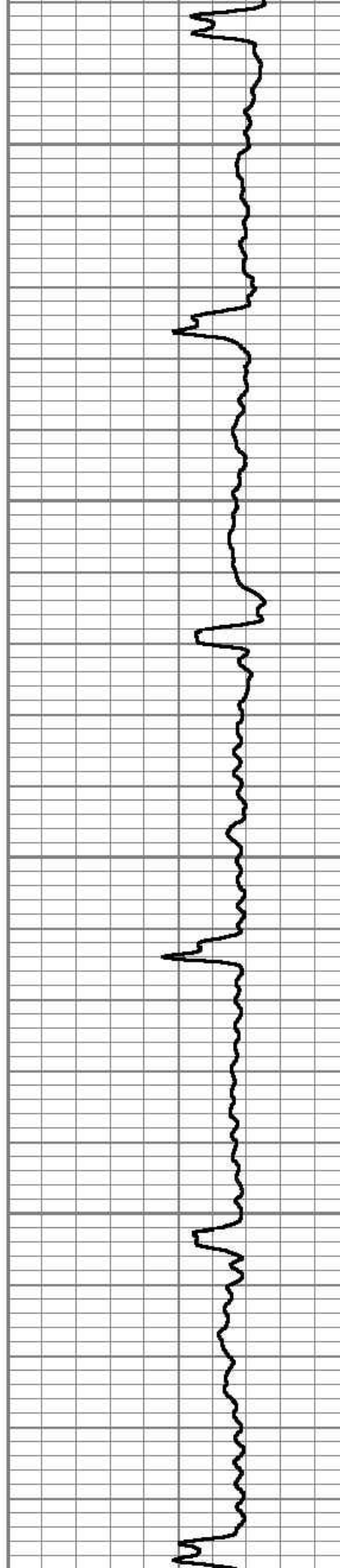
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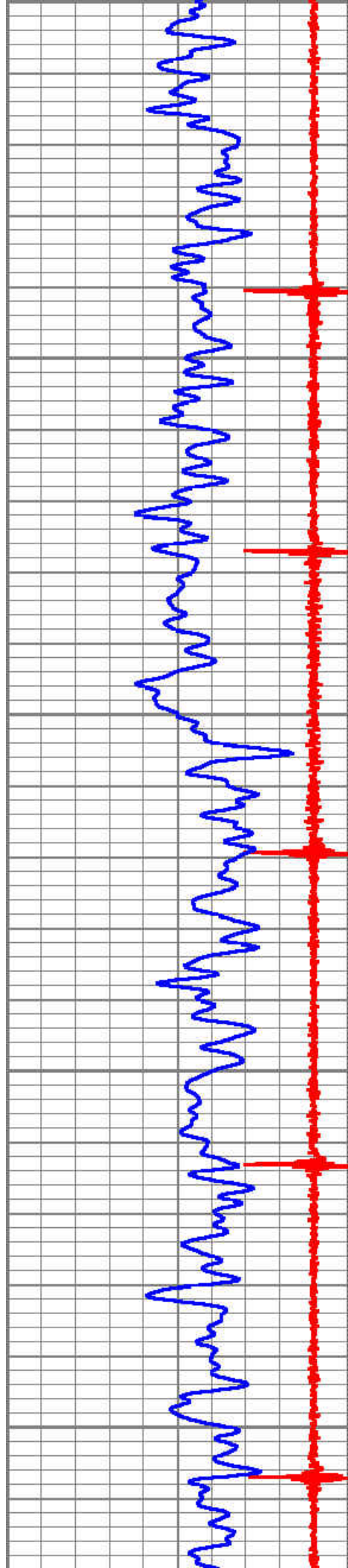
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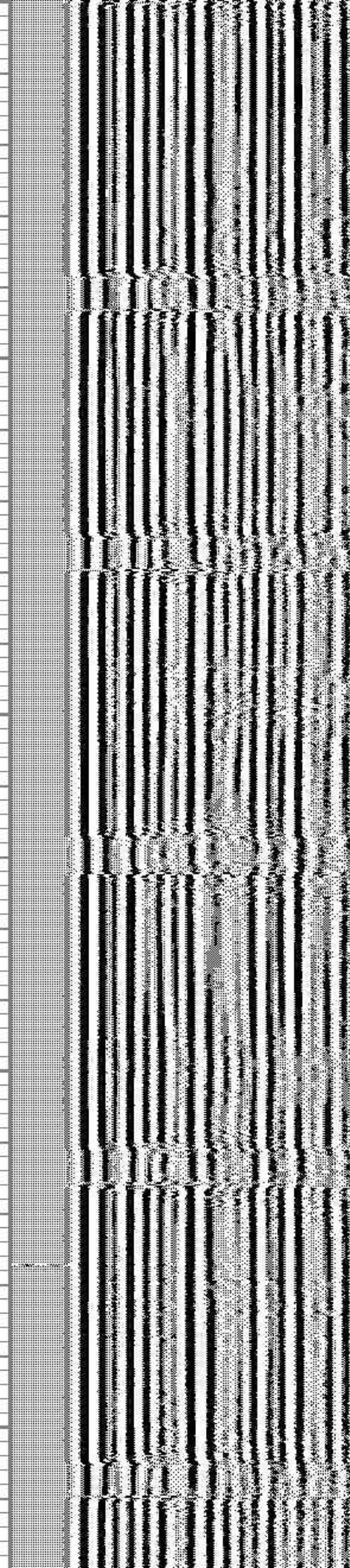
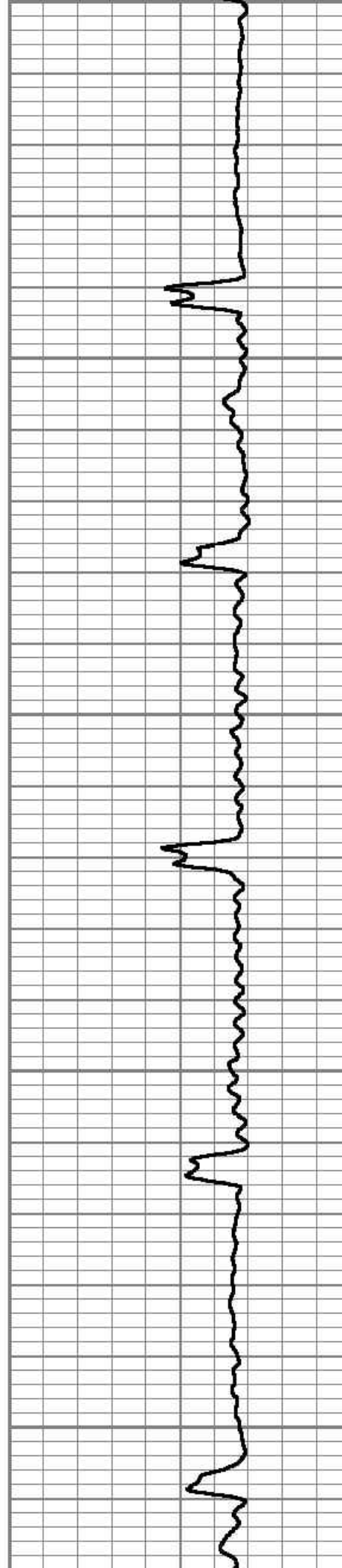
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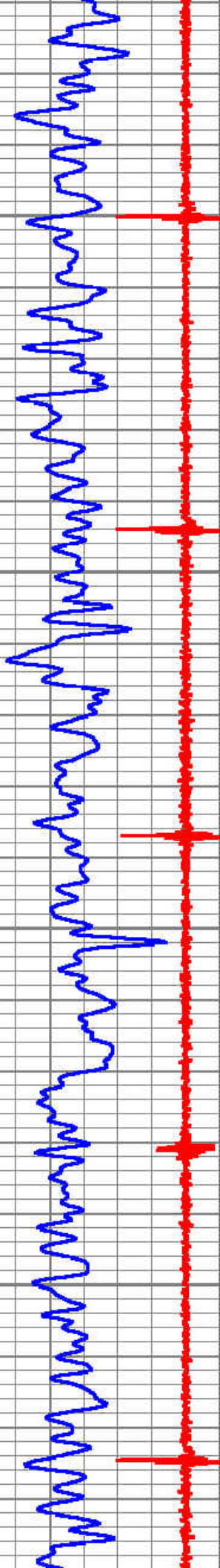
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1250
1300
1350
1400
1450



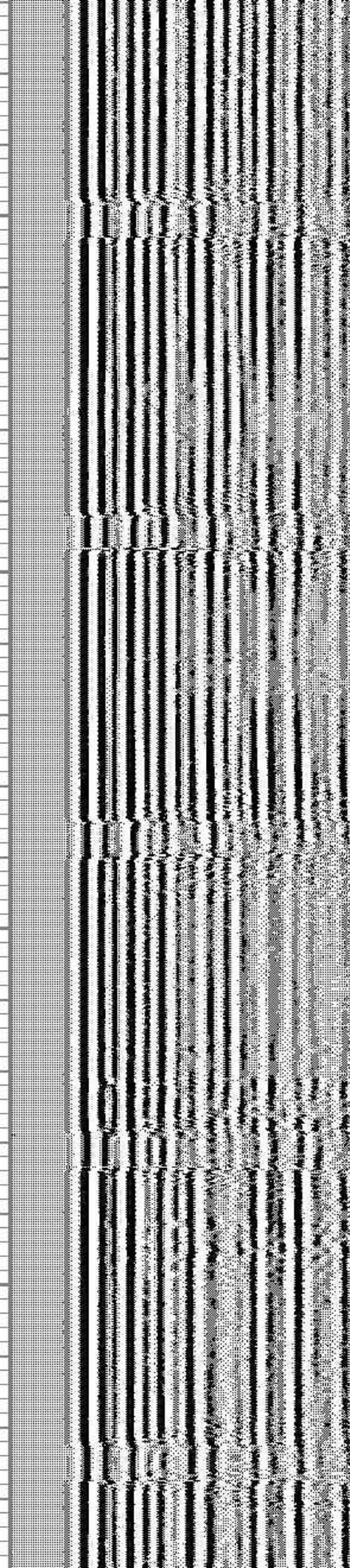
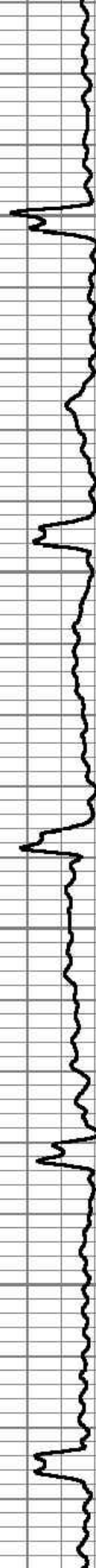


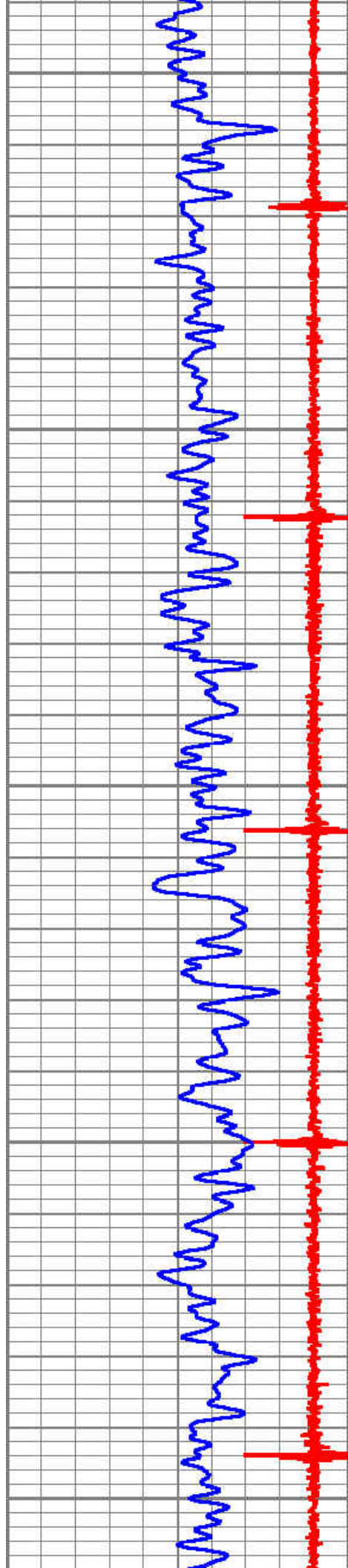
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1600

1650





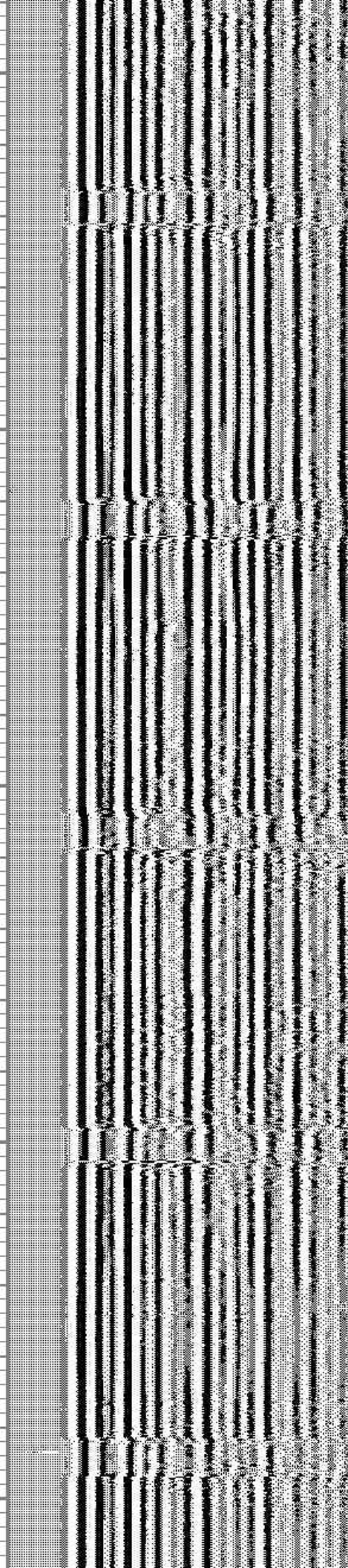
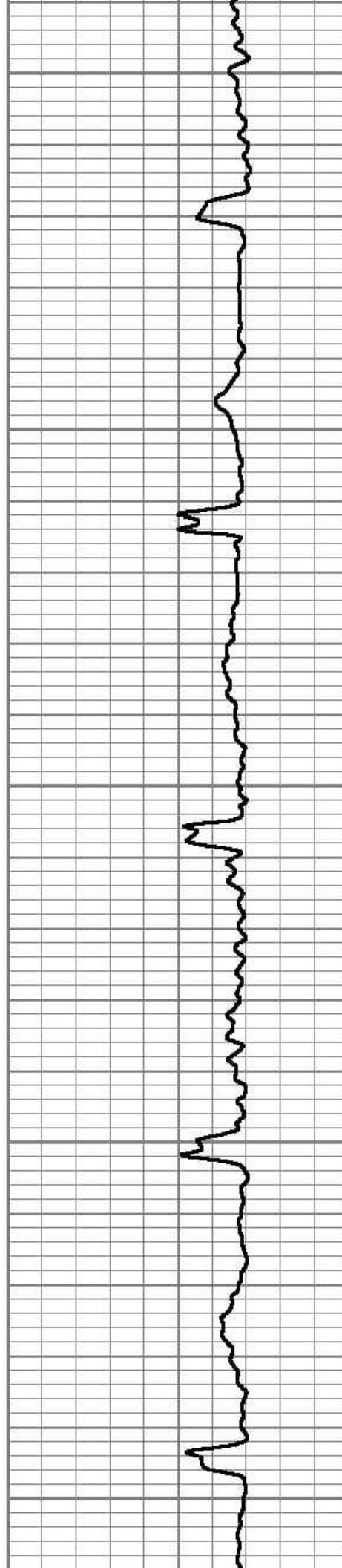
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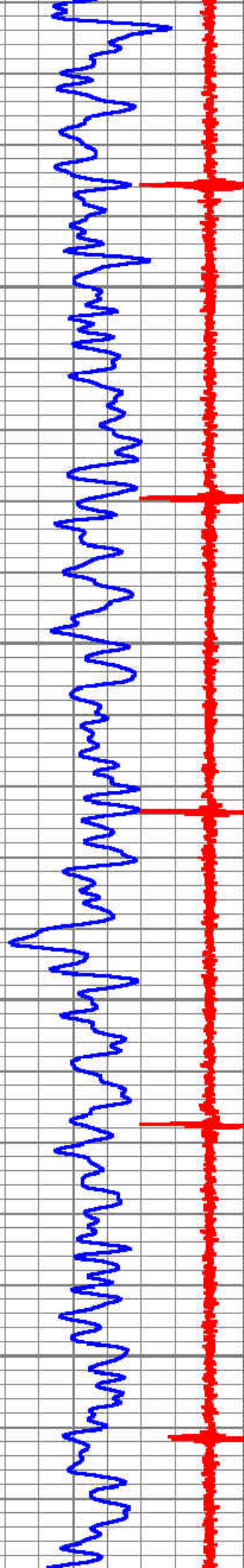
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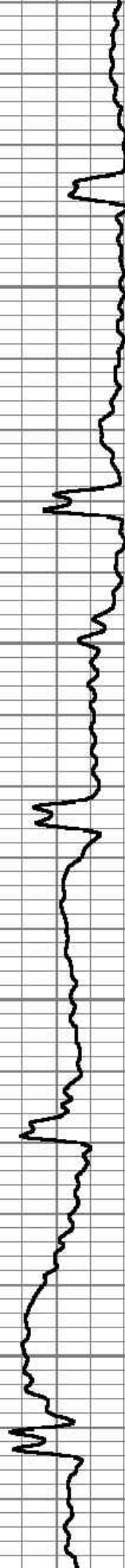


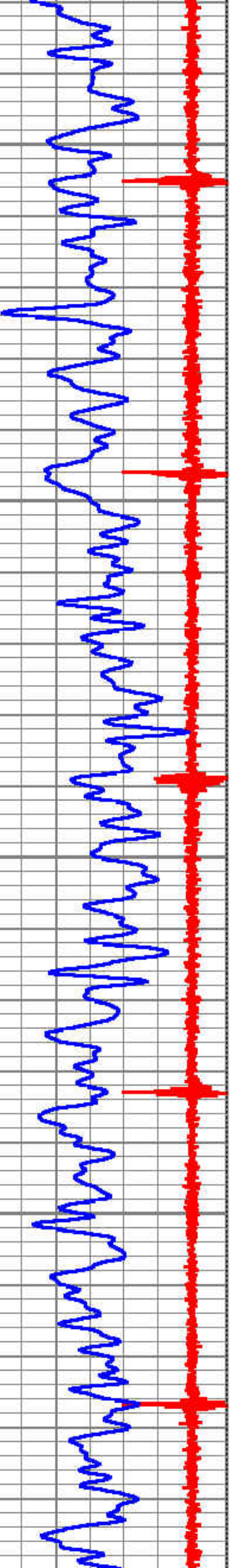
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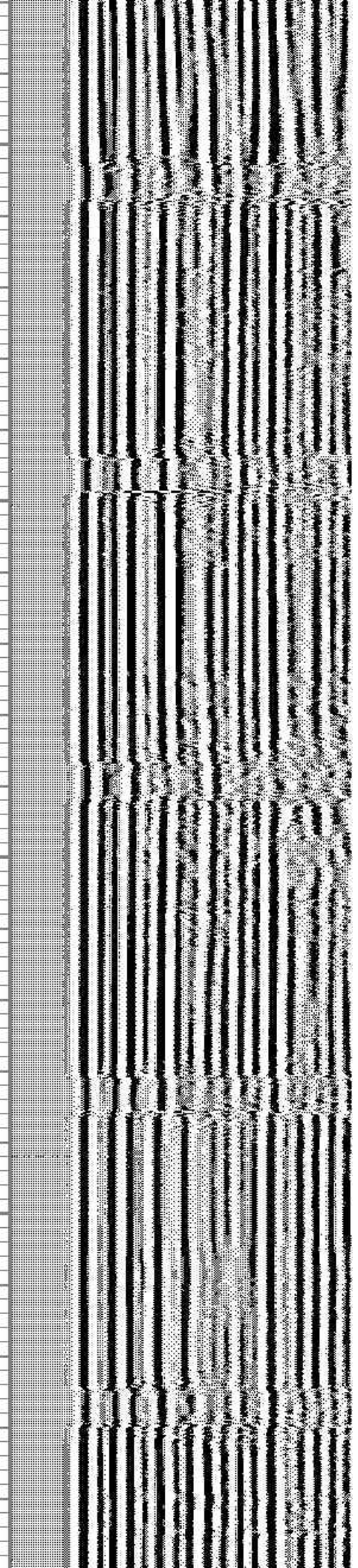
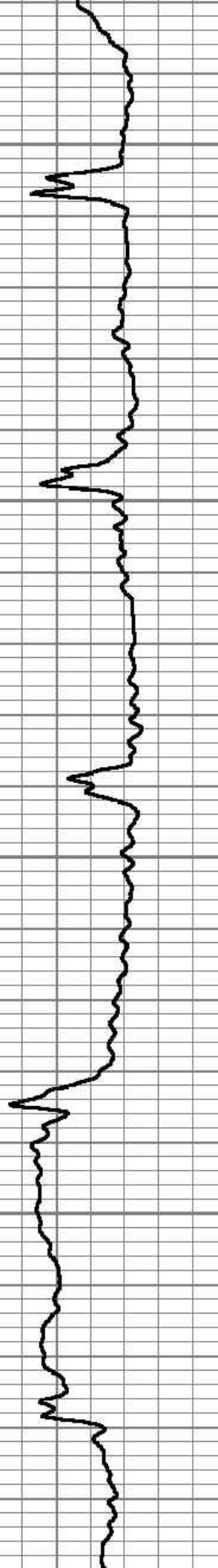
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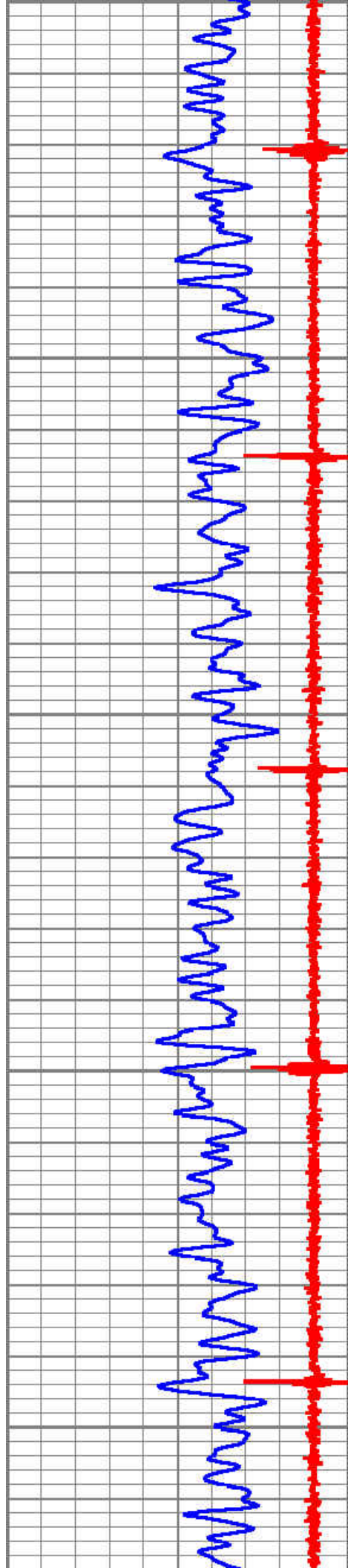
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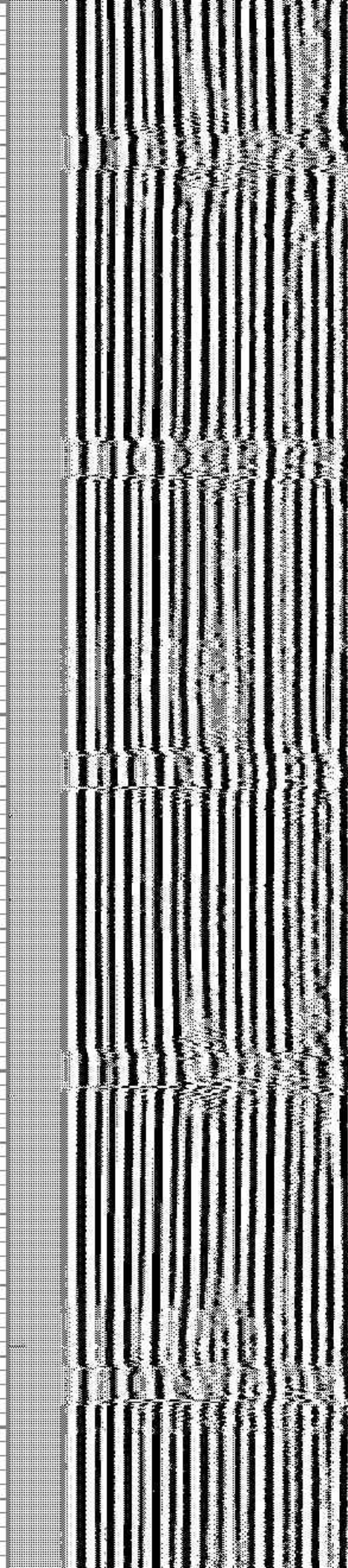
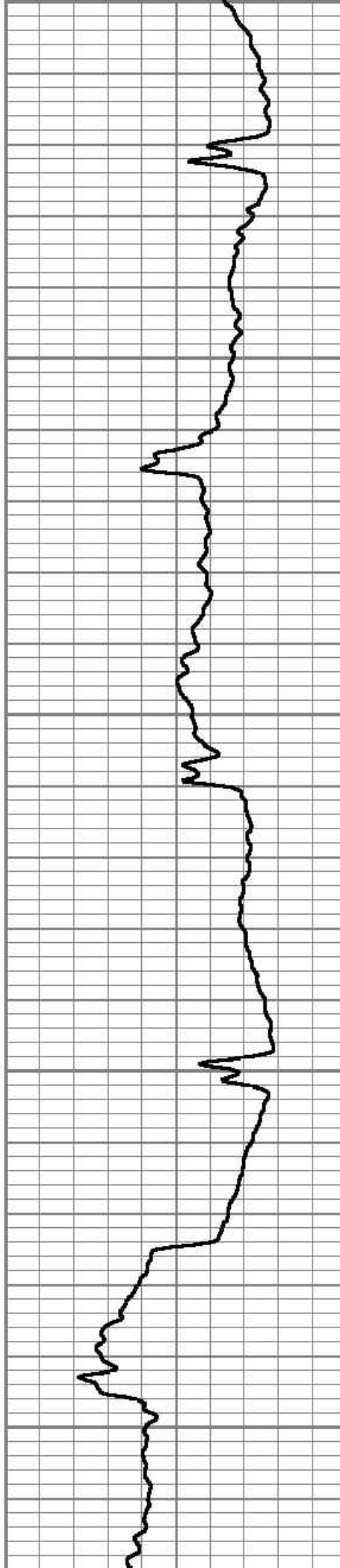
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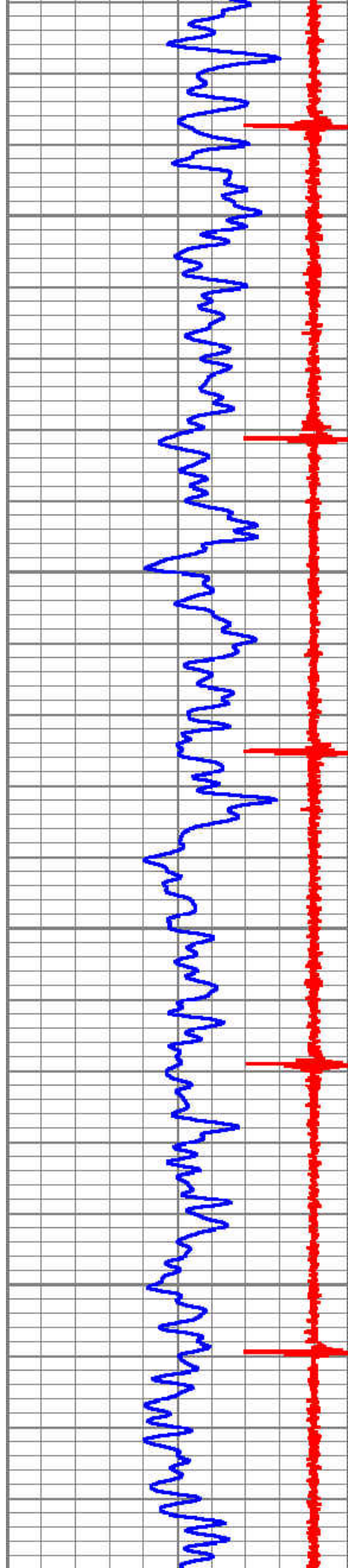
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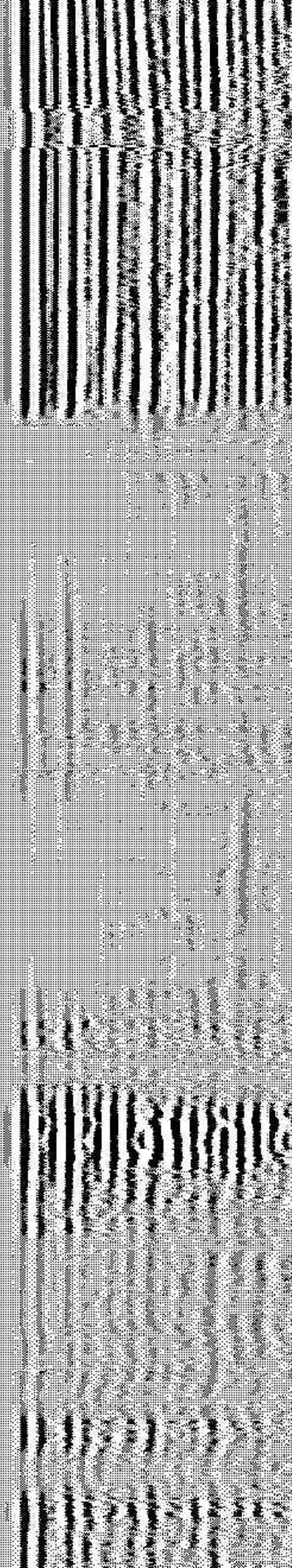
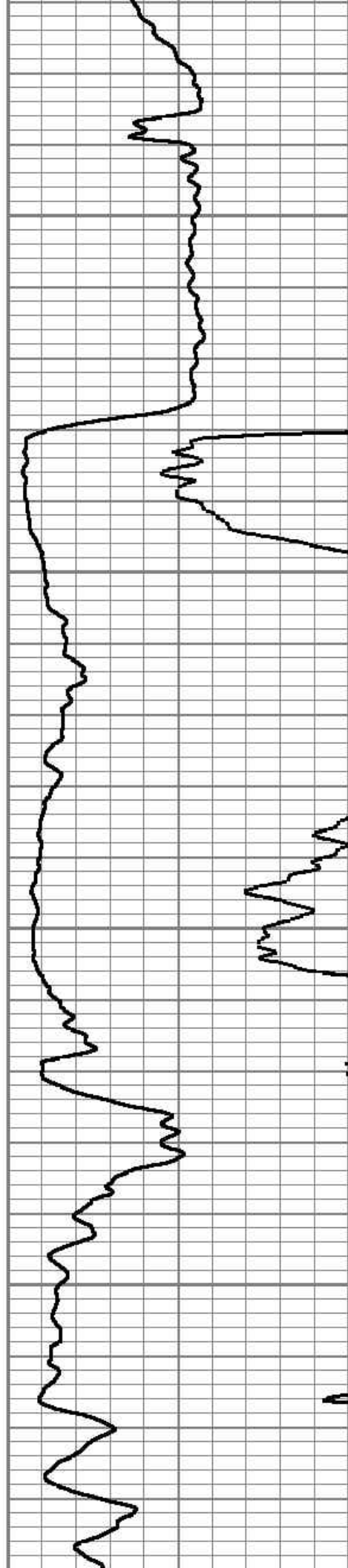


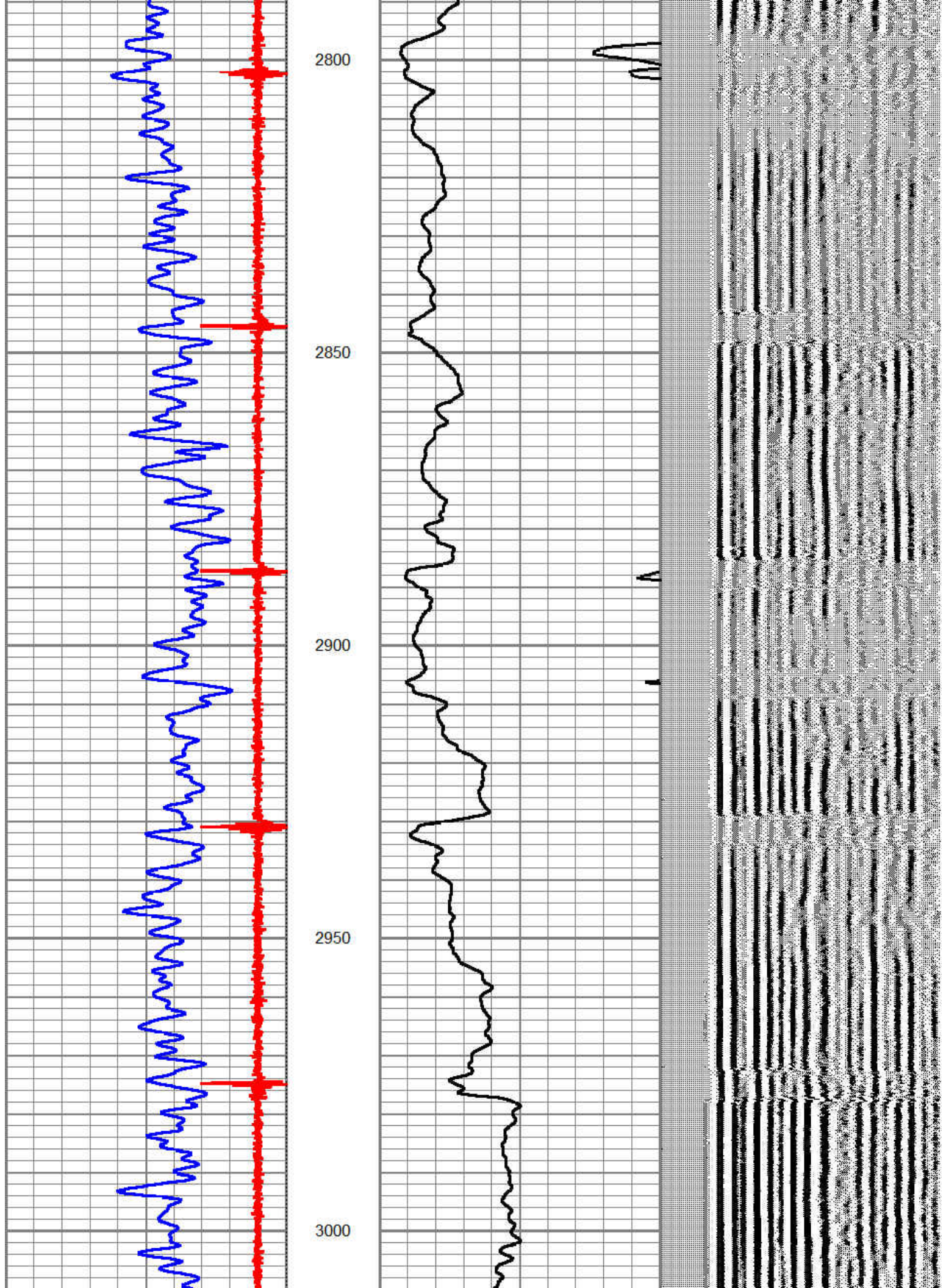
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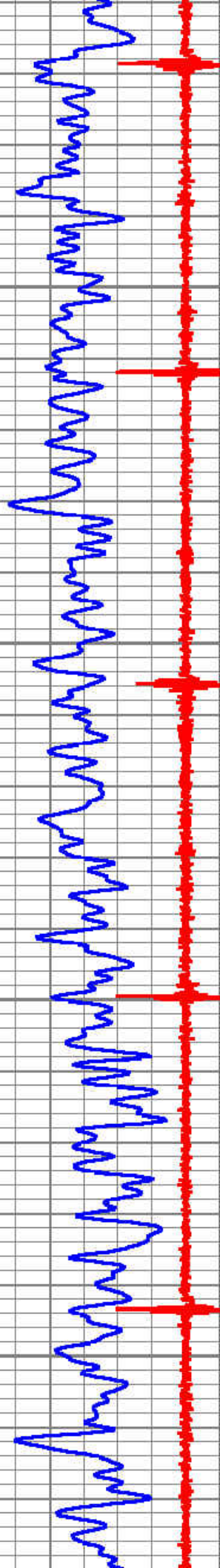
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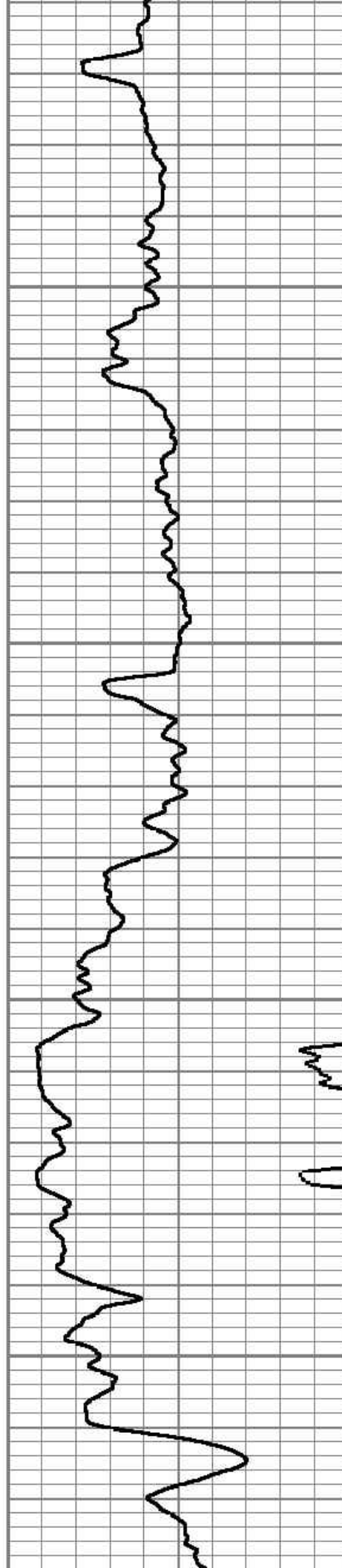


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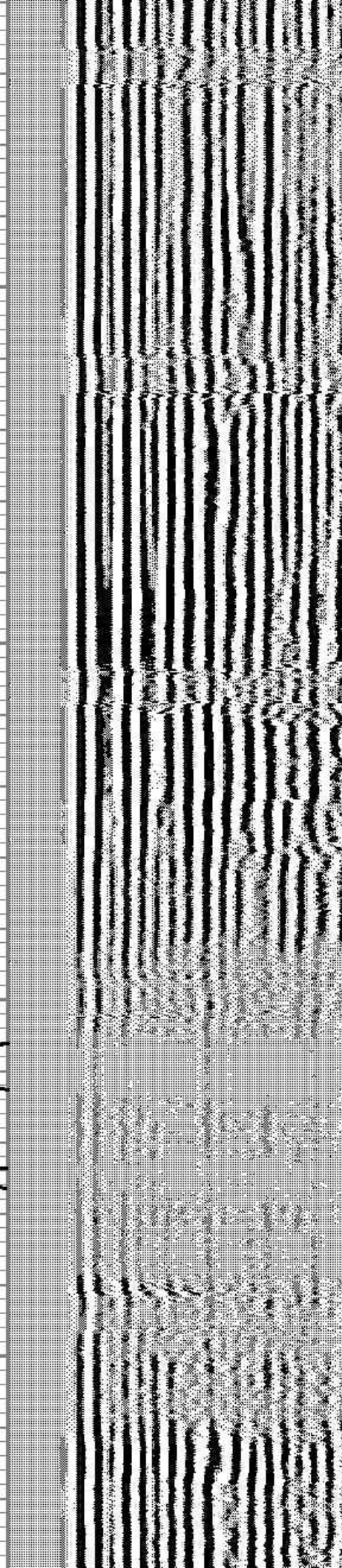
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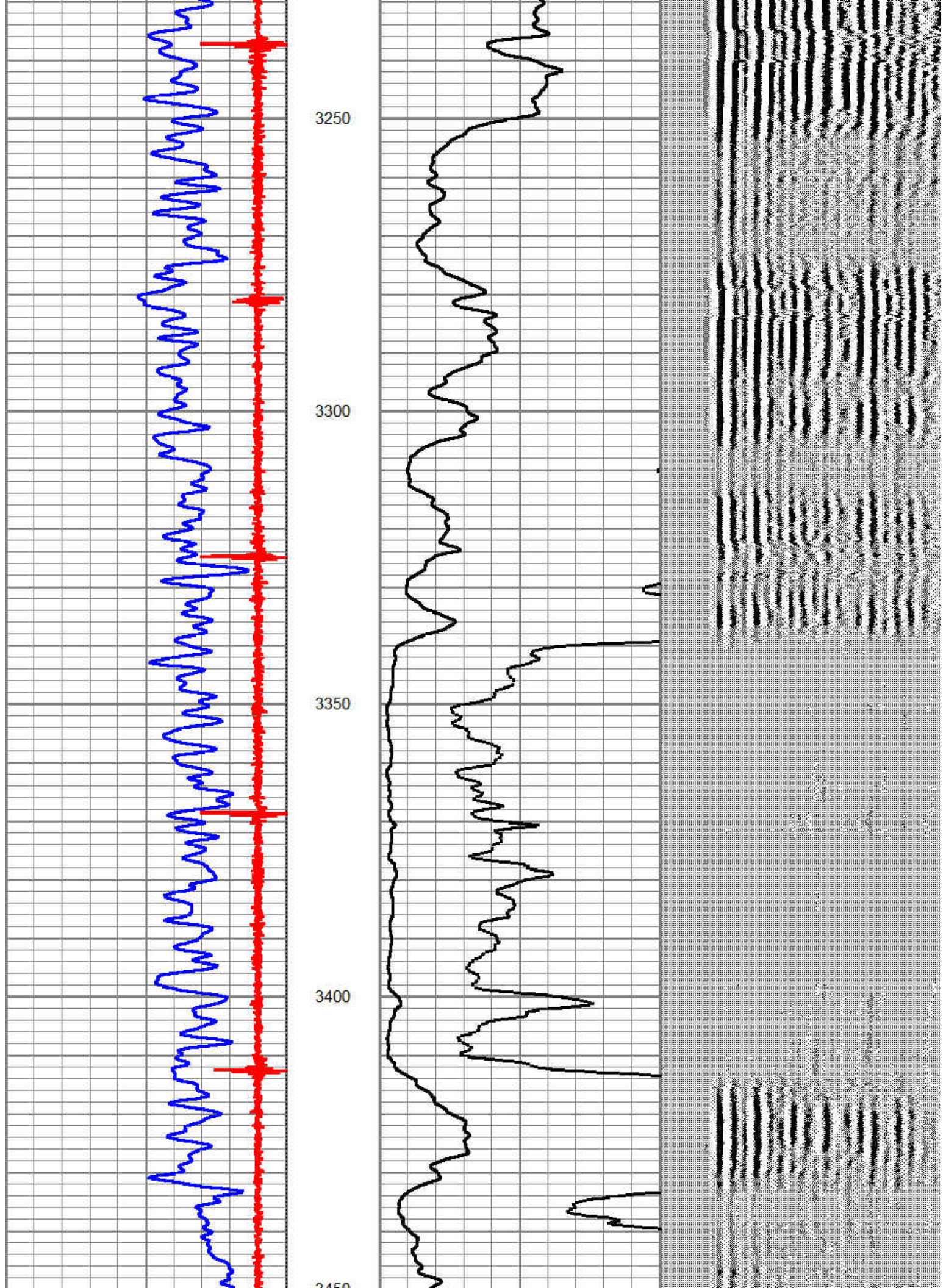
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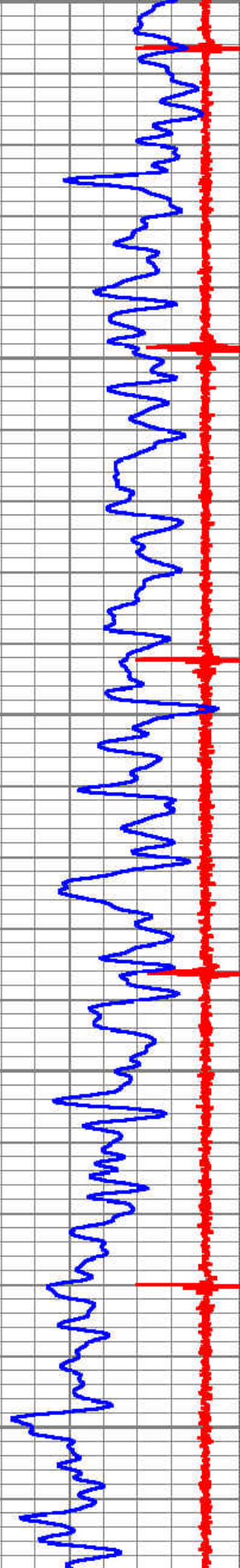
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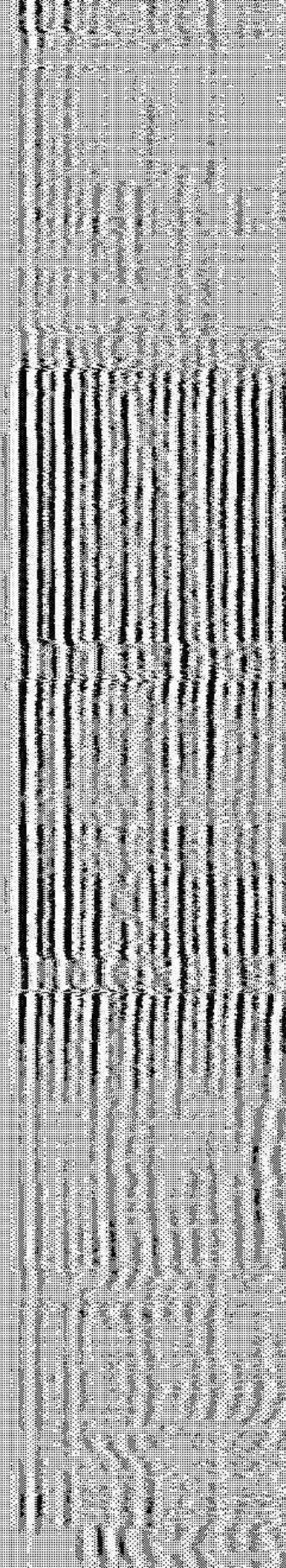
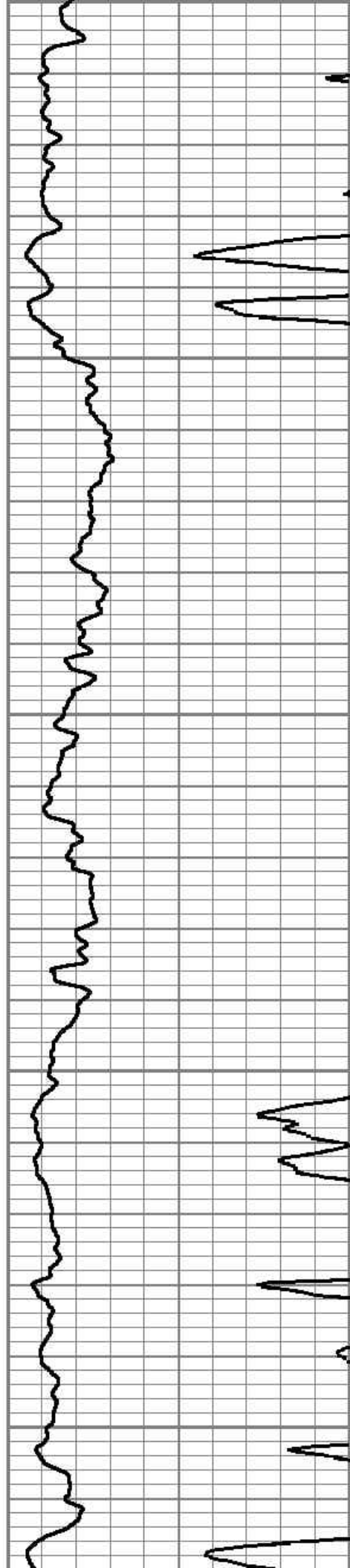
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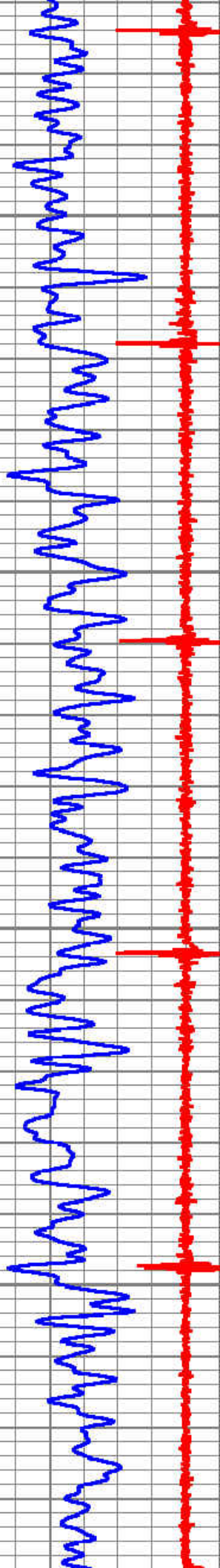
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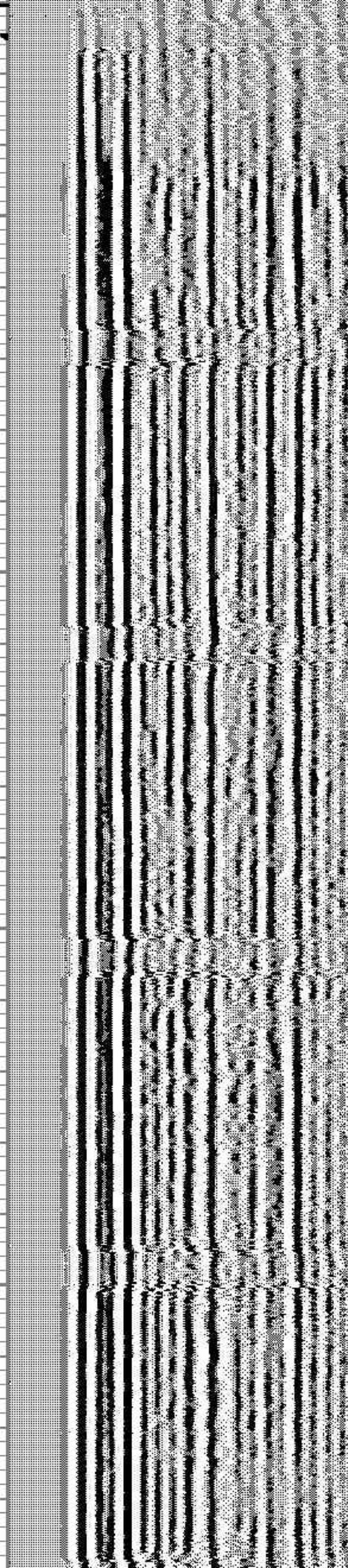
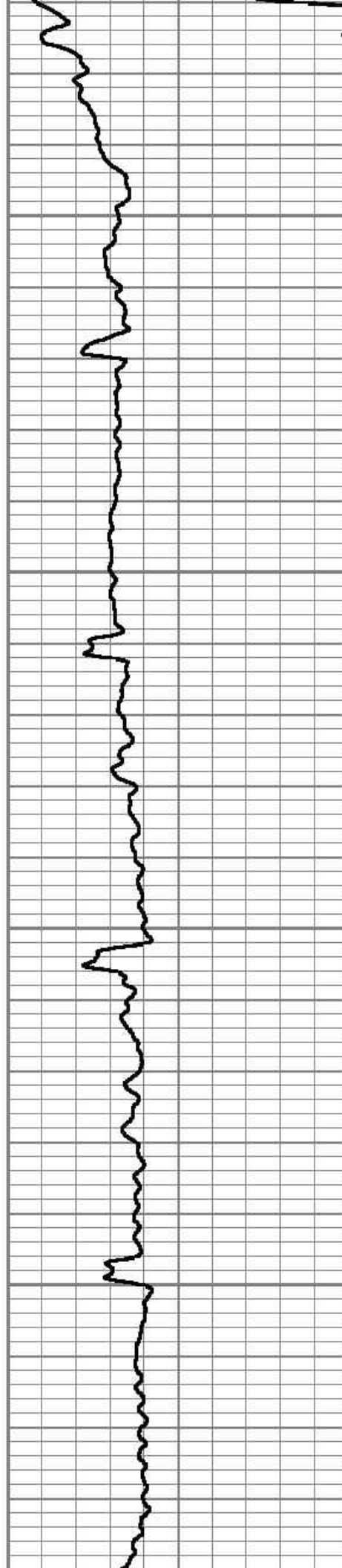


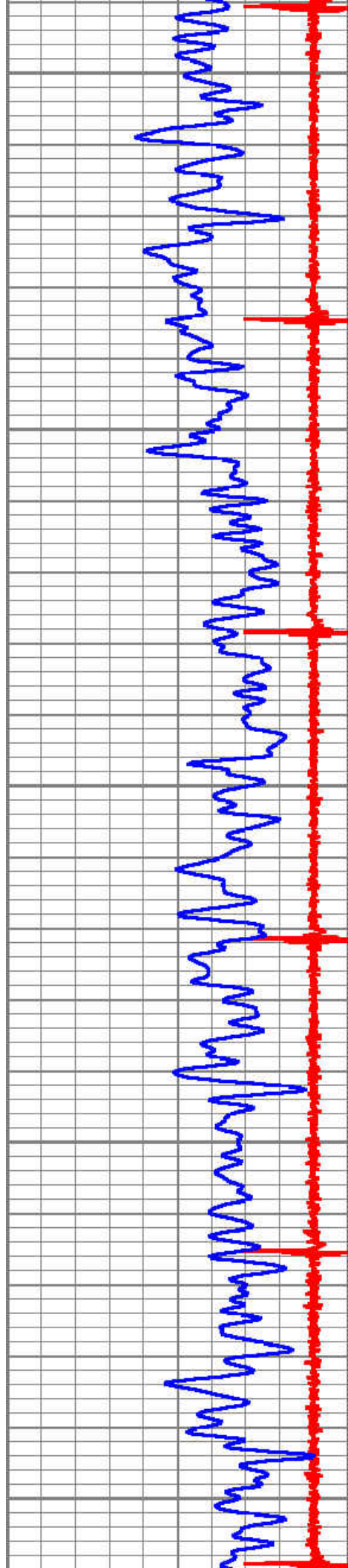
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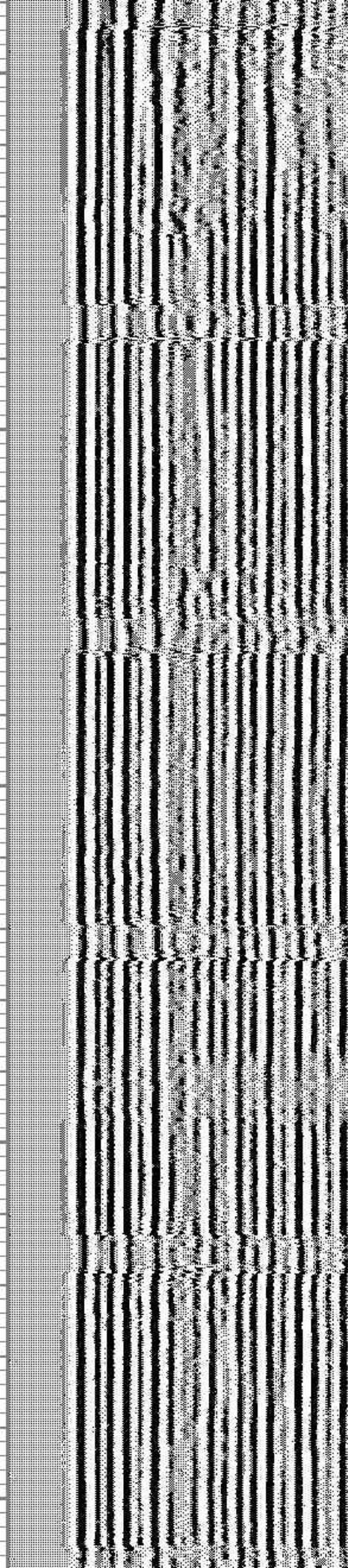
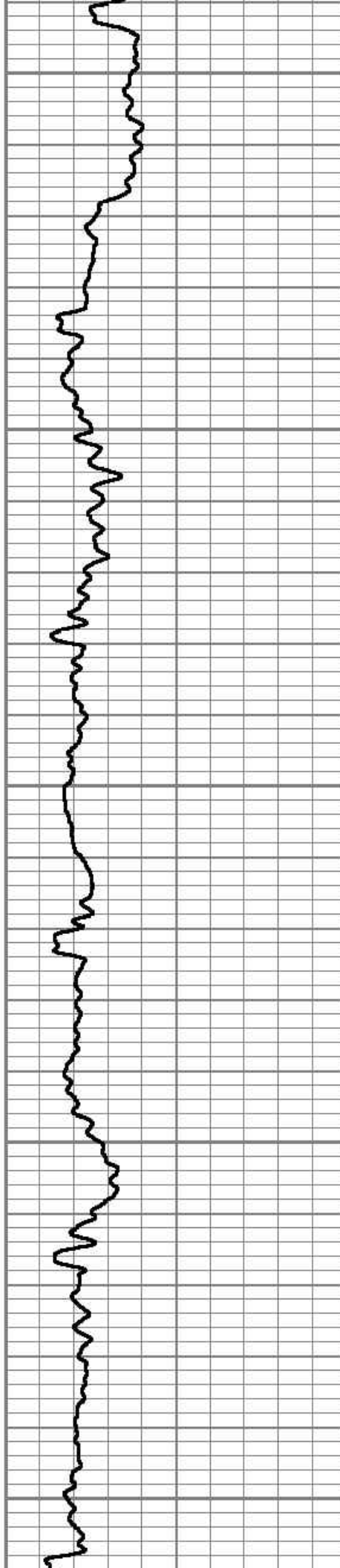
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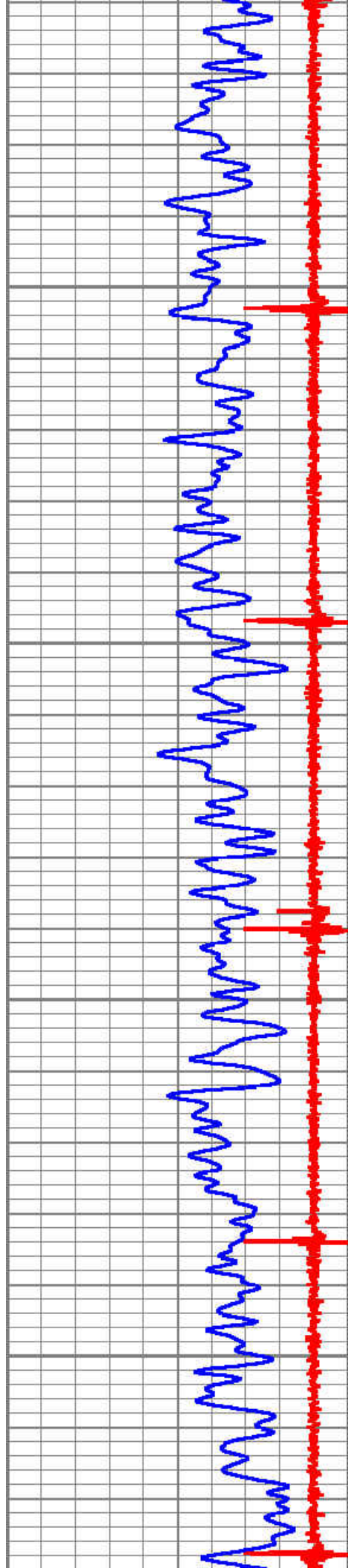
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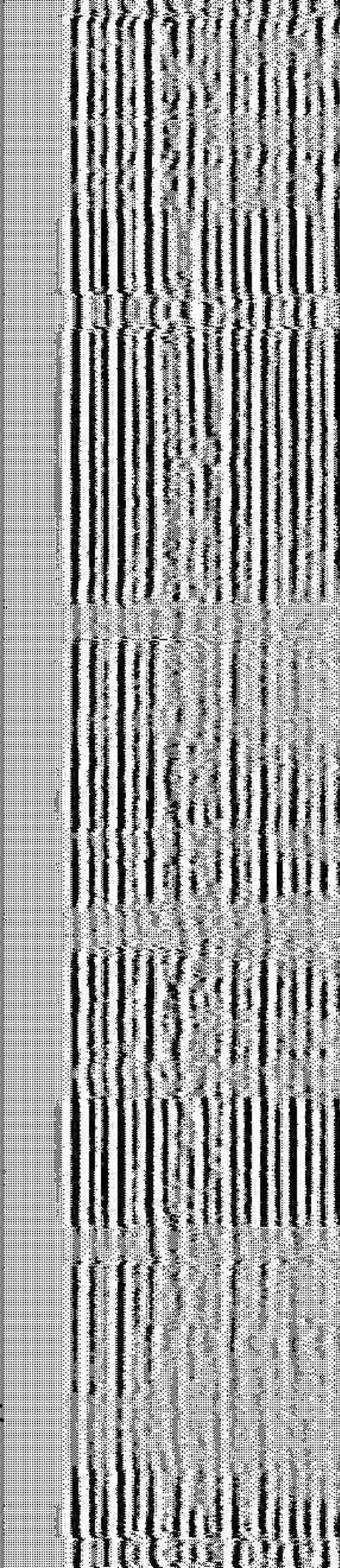
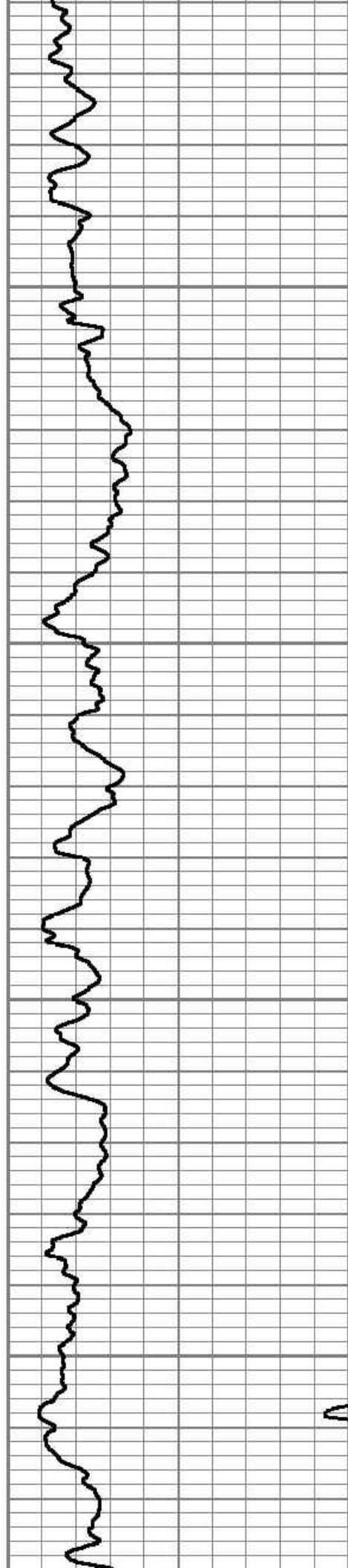


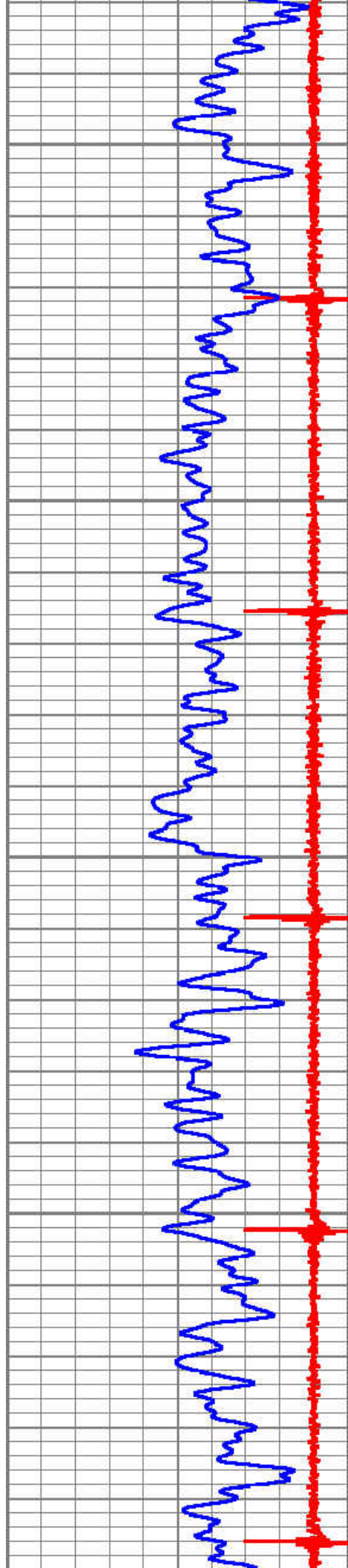
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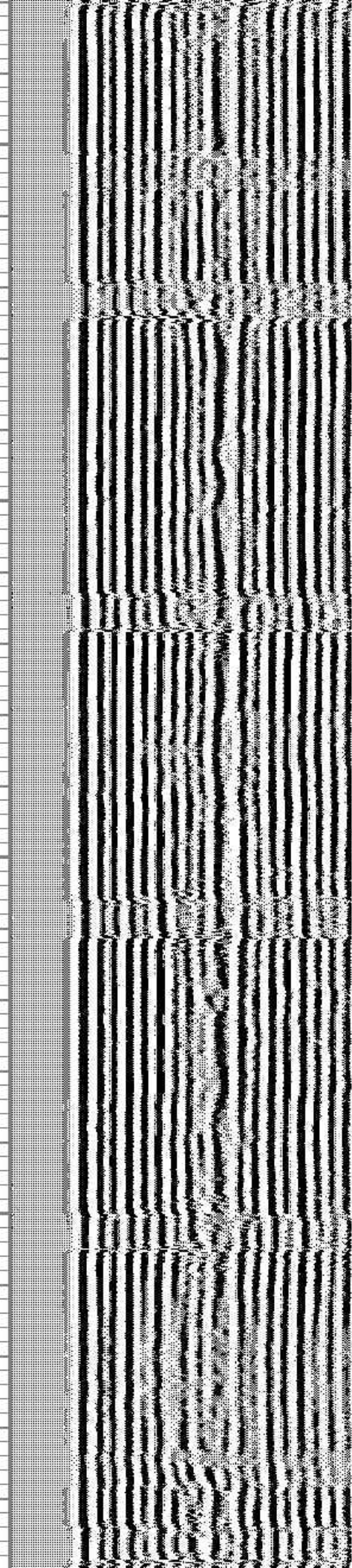
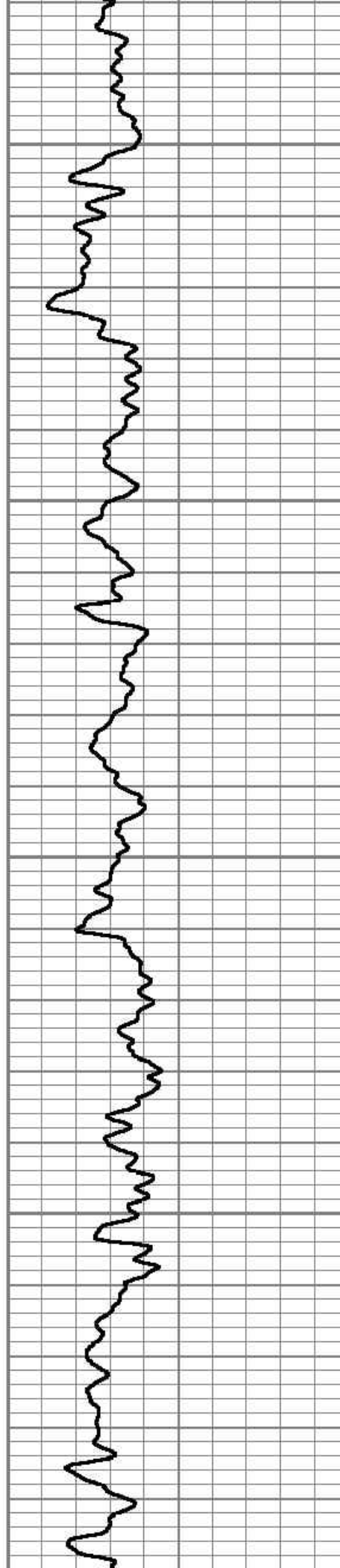
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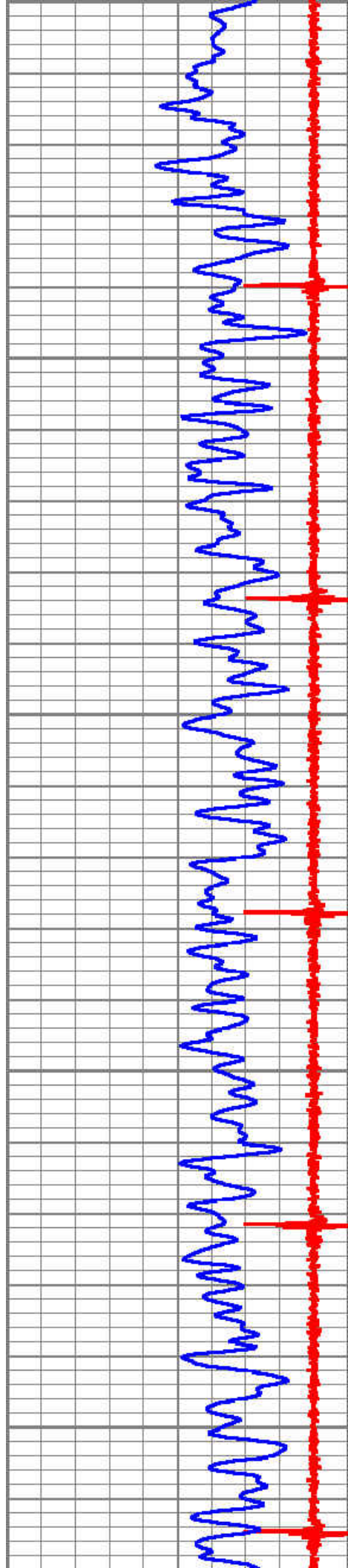
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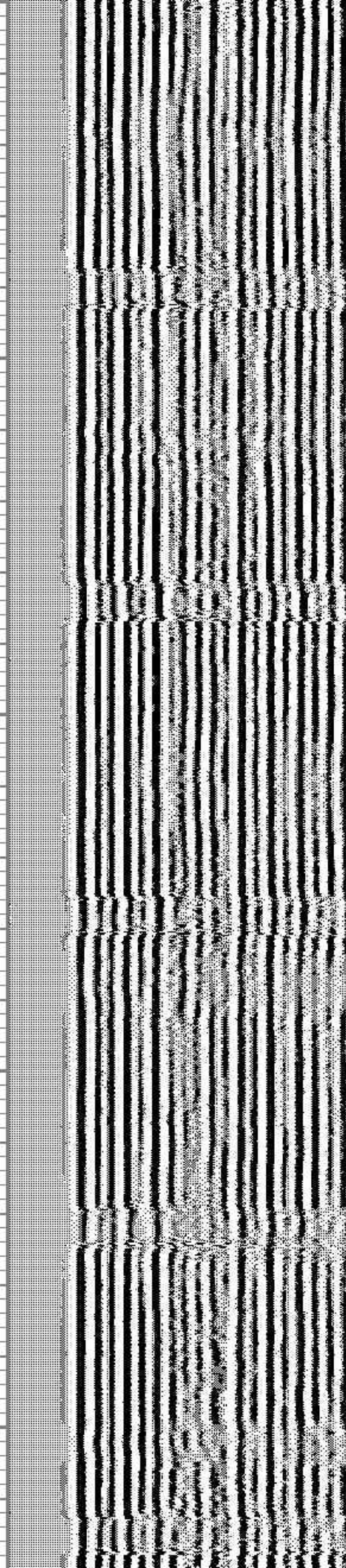
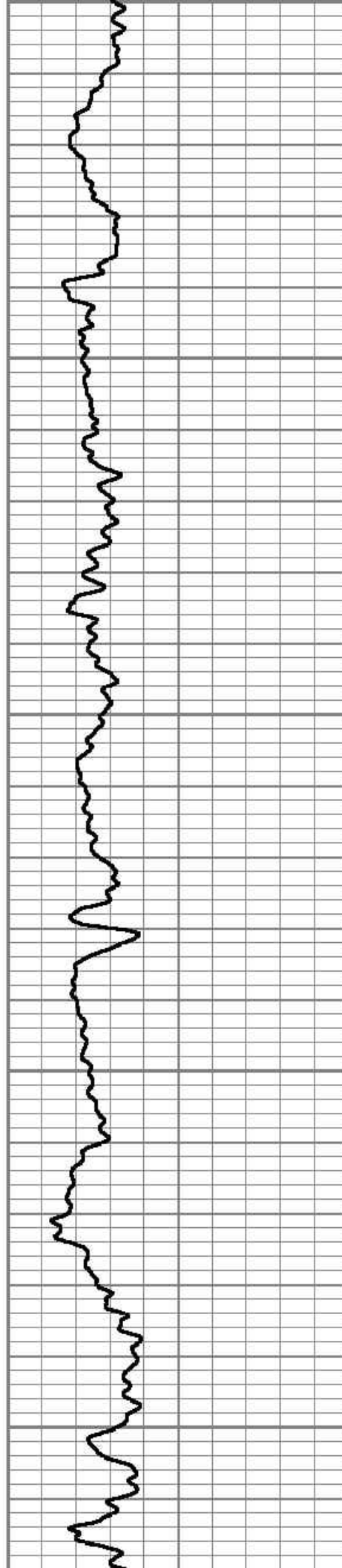
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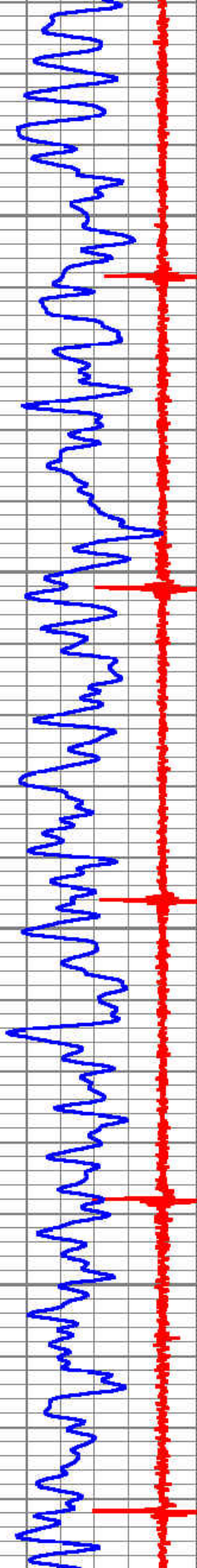
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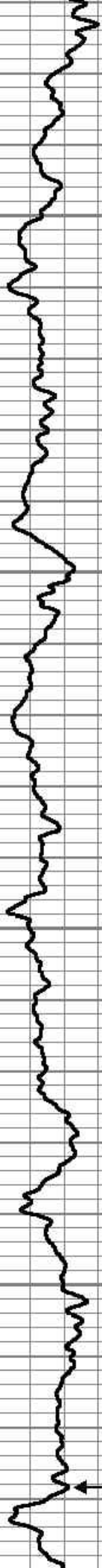
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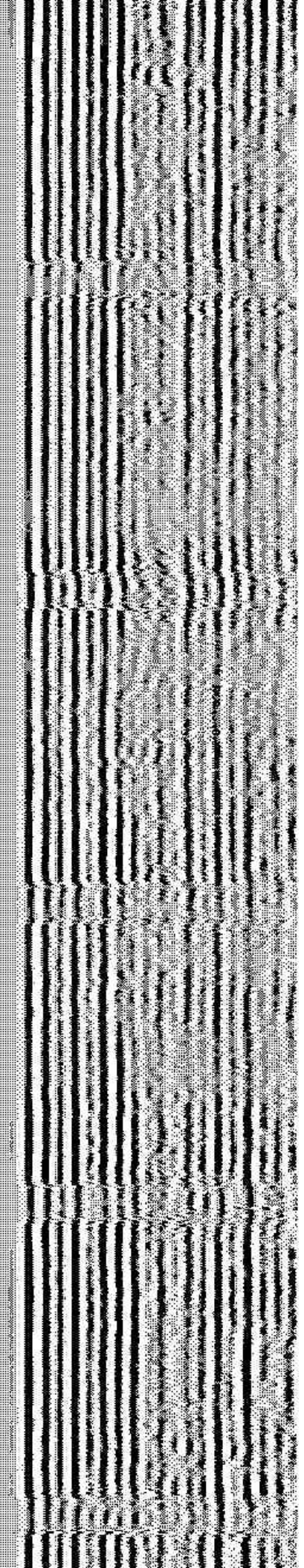
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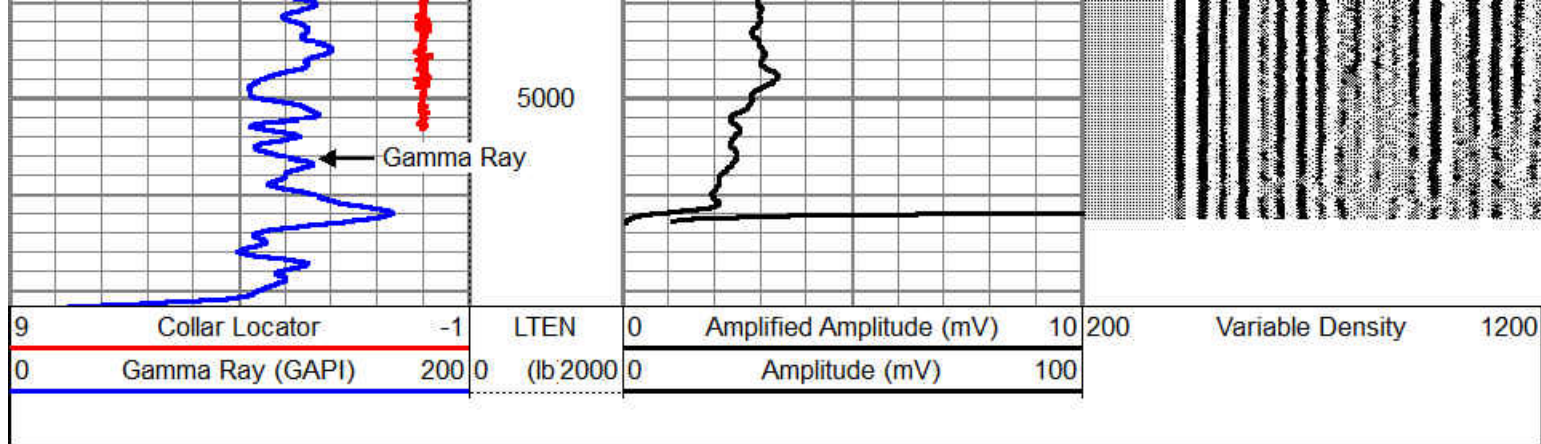
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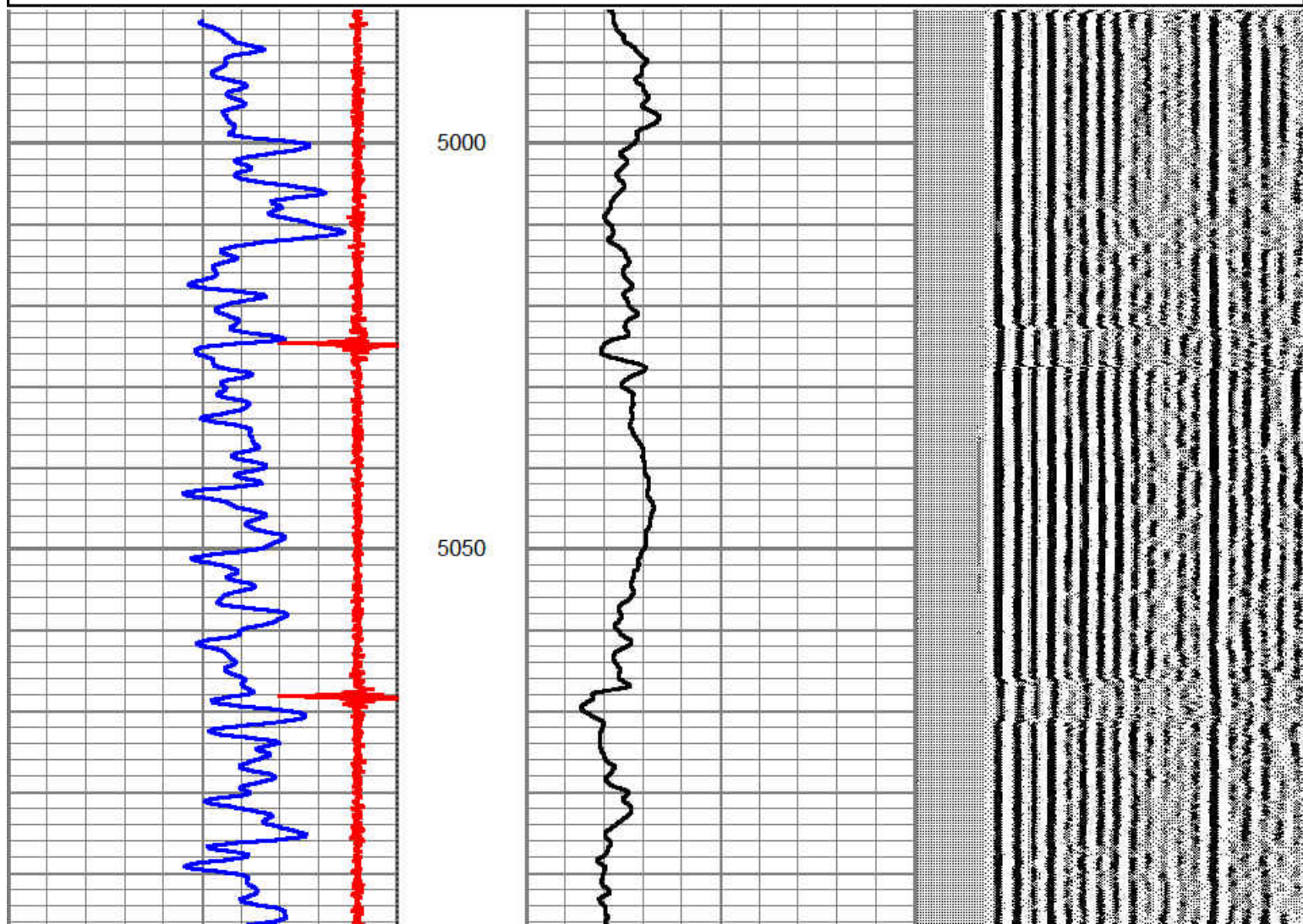
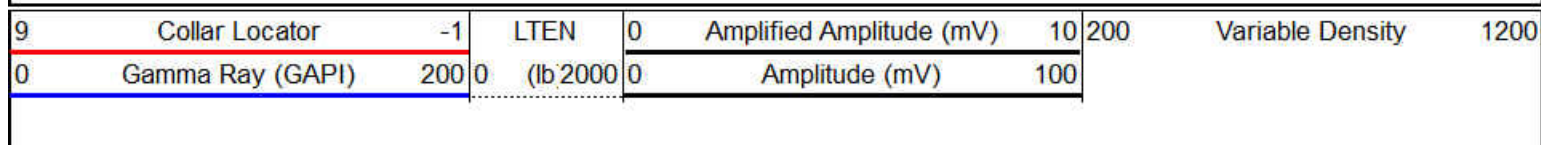
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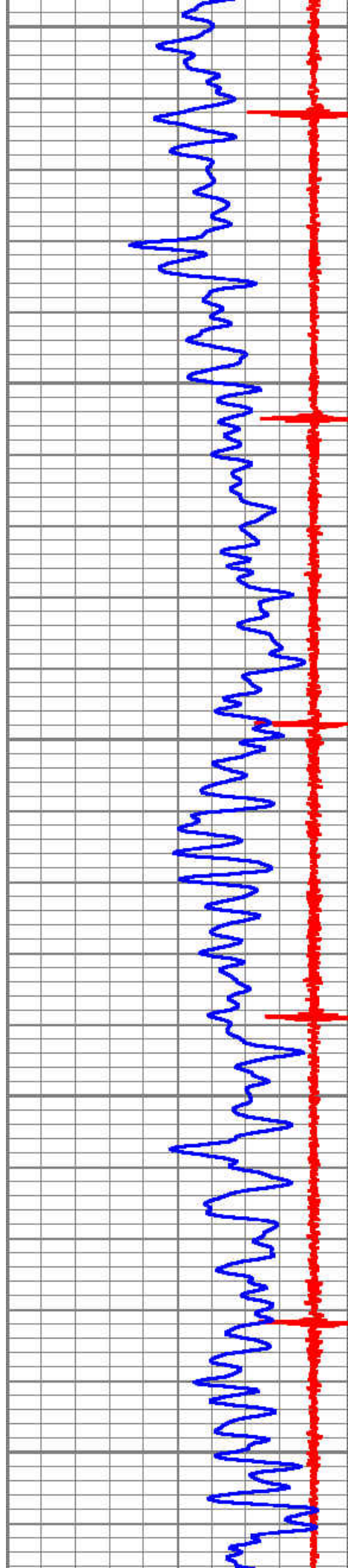




Pioneer Energy Services

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 Dataset Pathname: pass5
 Presentation Format: cbl_dr
 Dataset Creation: Wed Jan 23 15:45:30 2013 by Log SCH 120126
 Charted by: Depth in Feet scaled 1:240





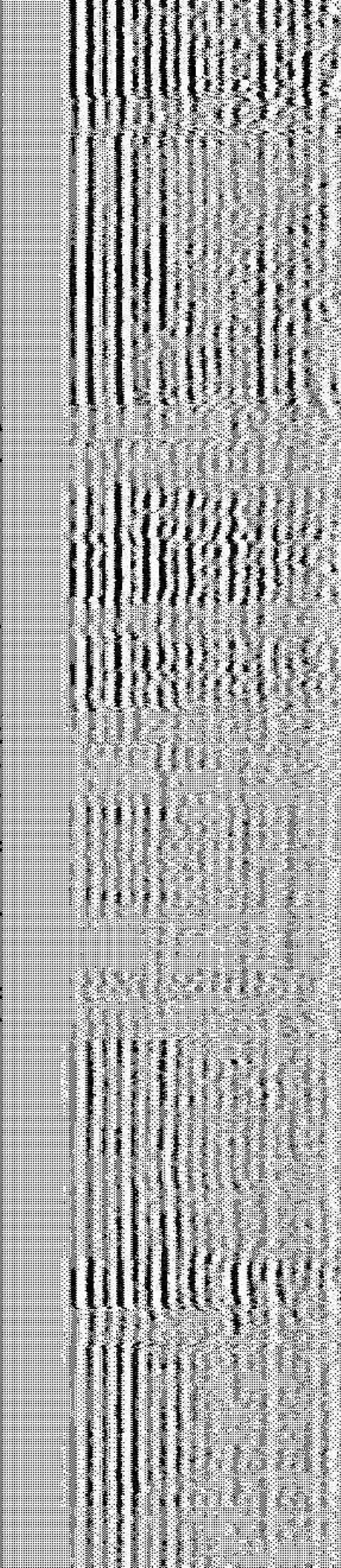
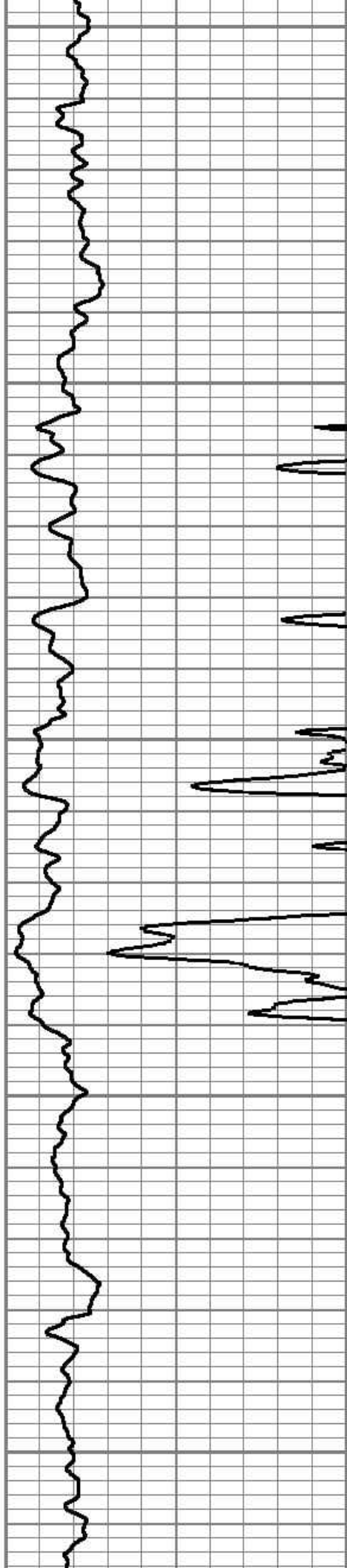
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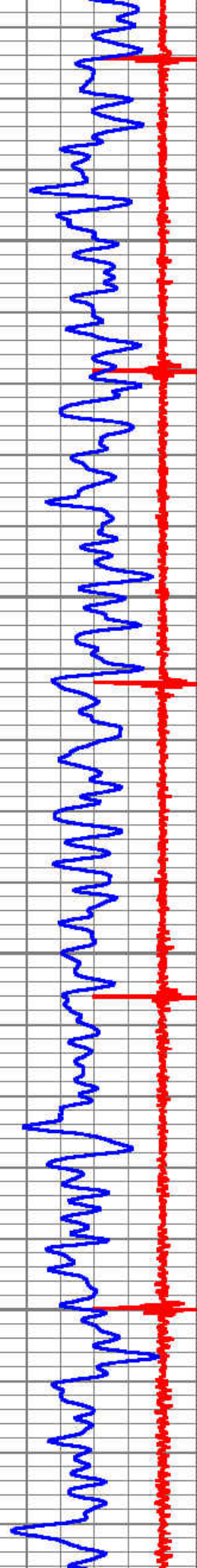
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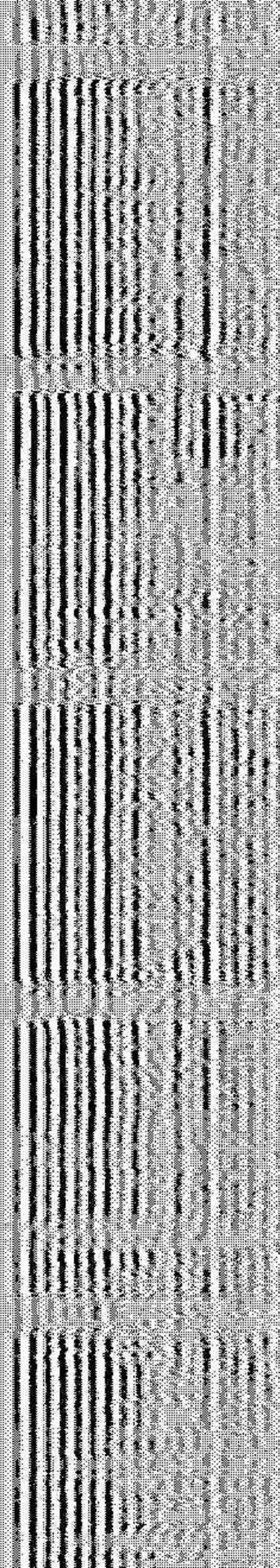


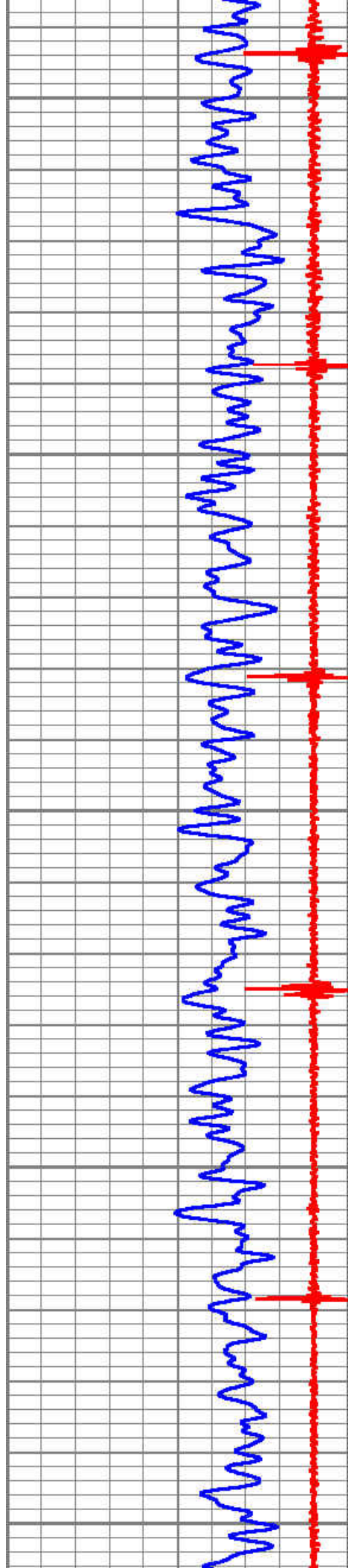
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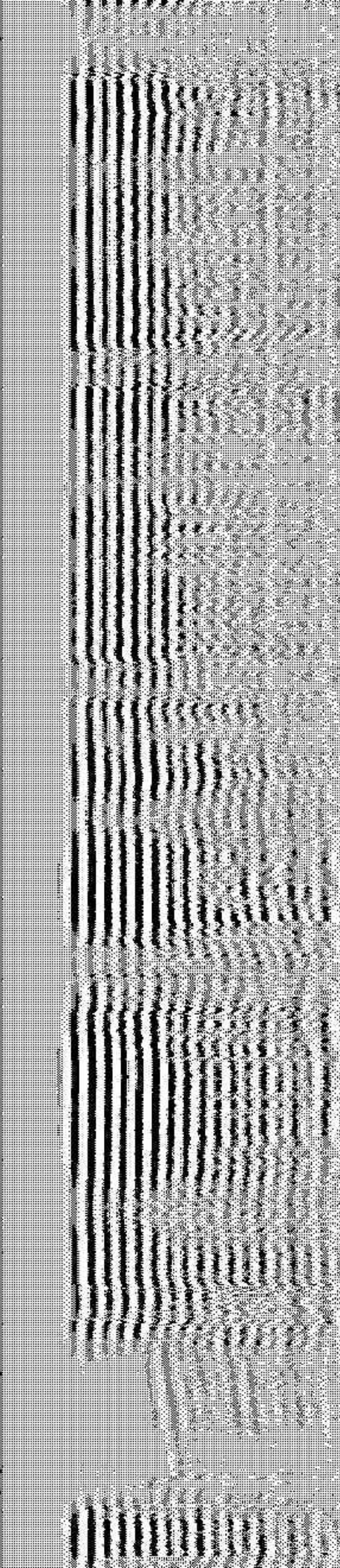
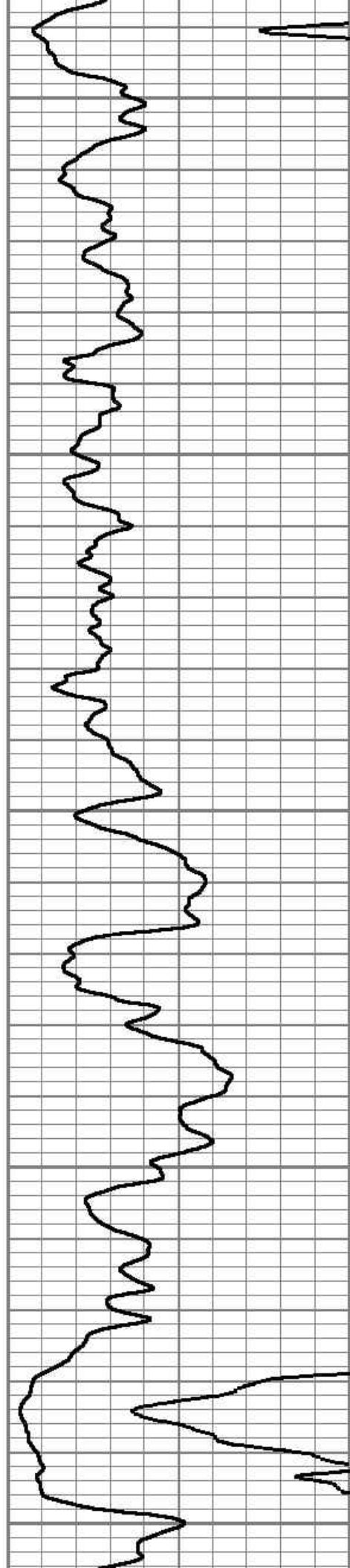
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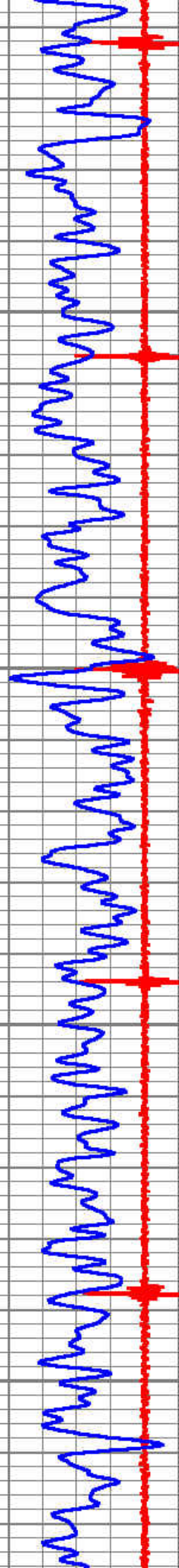
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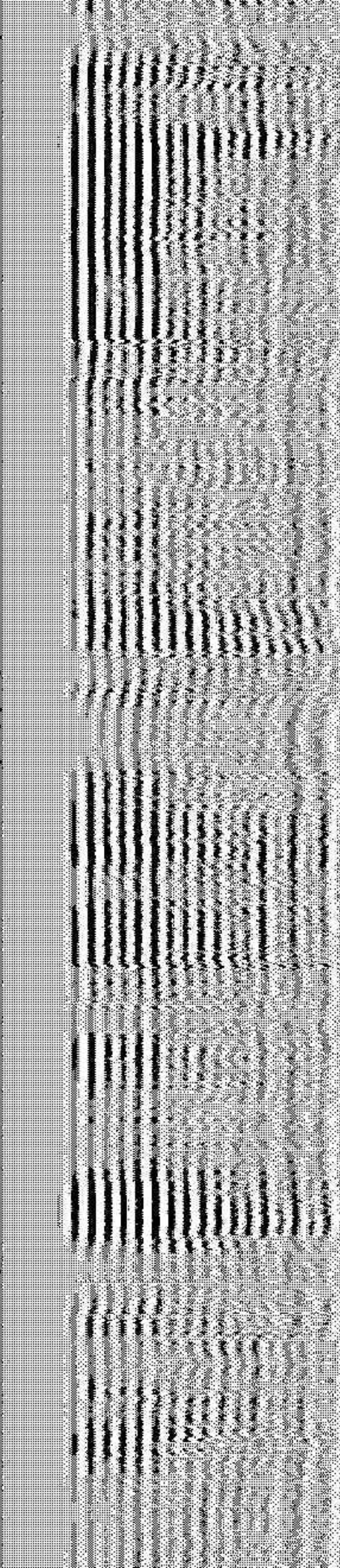
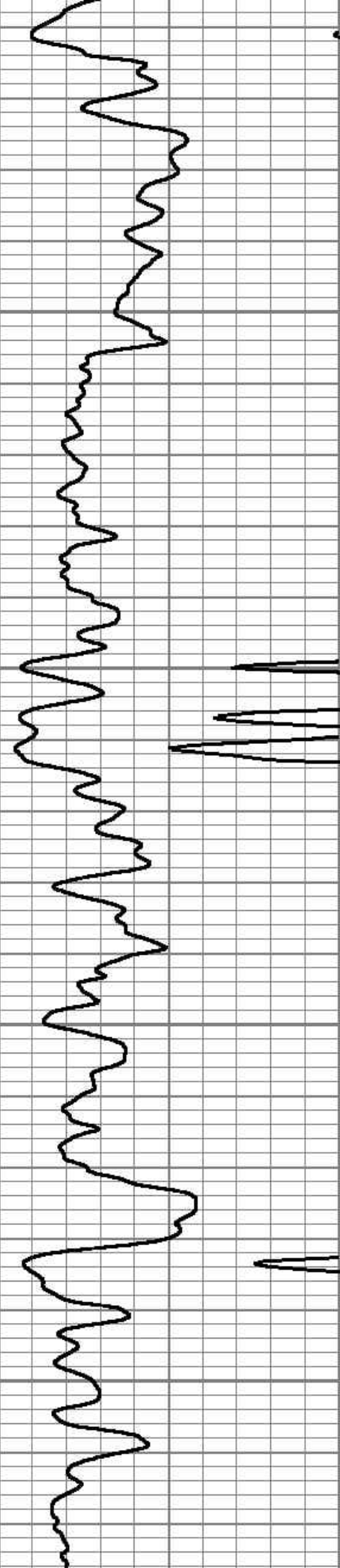


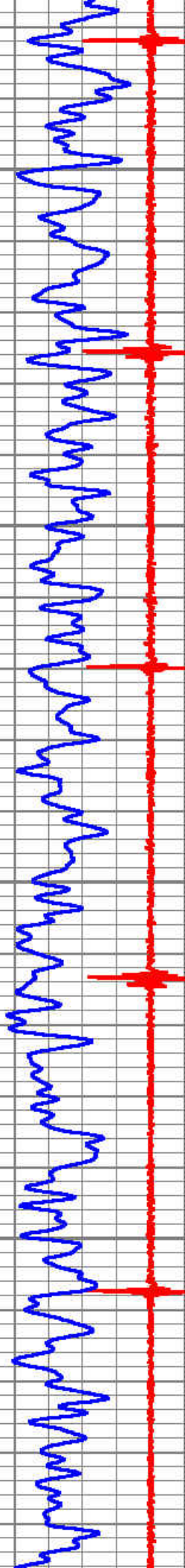
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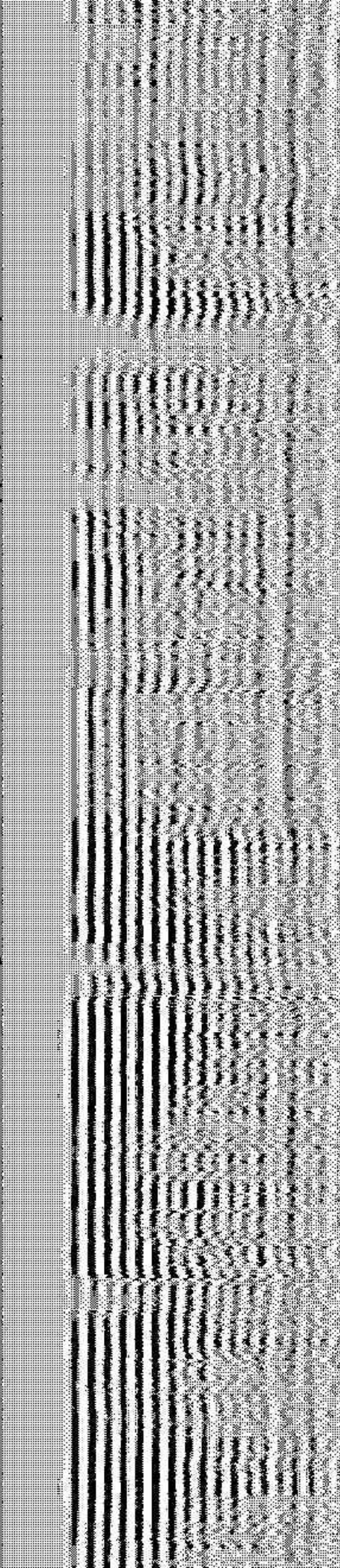
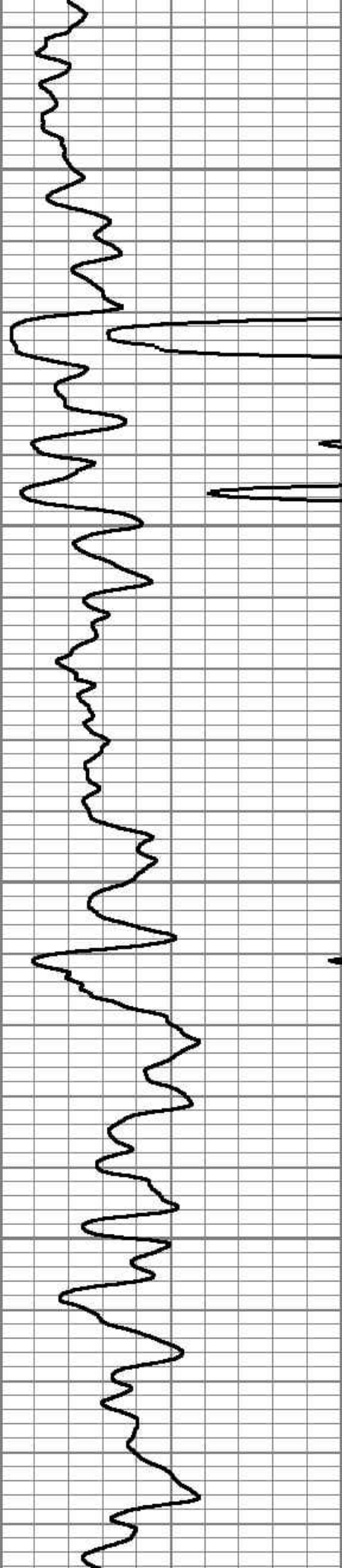


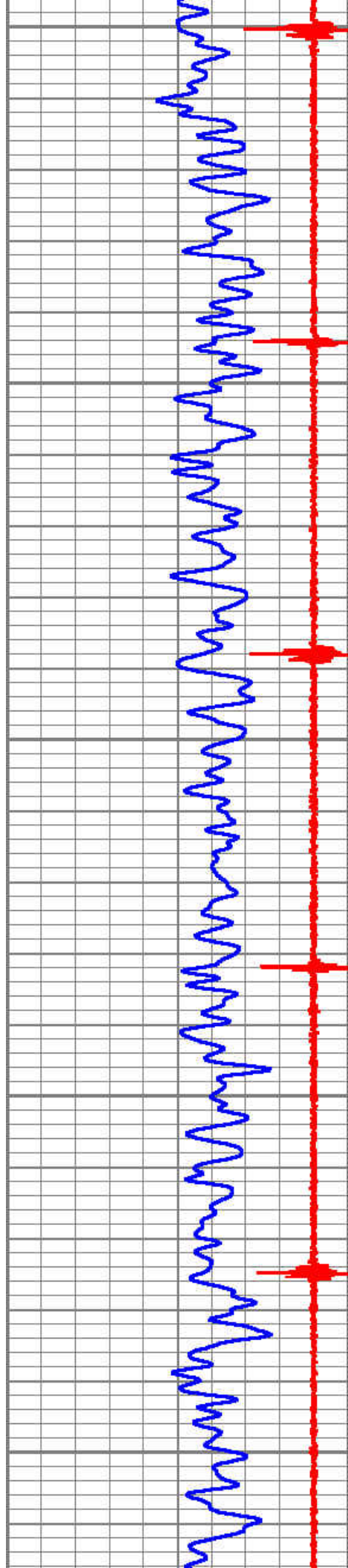
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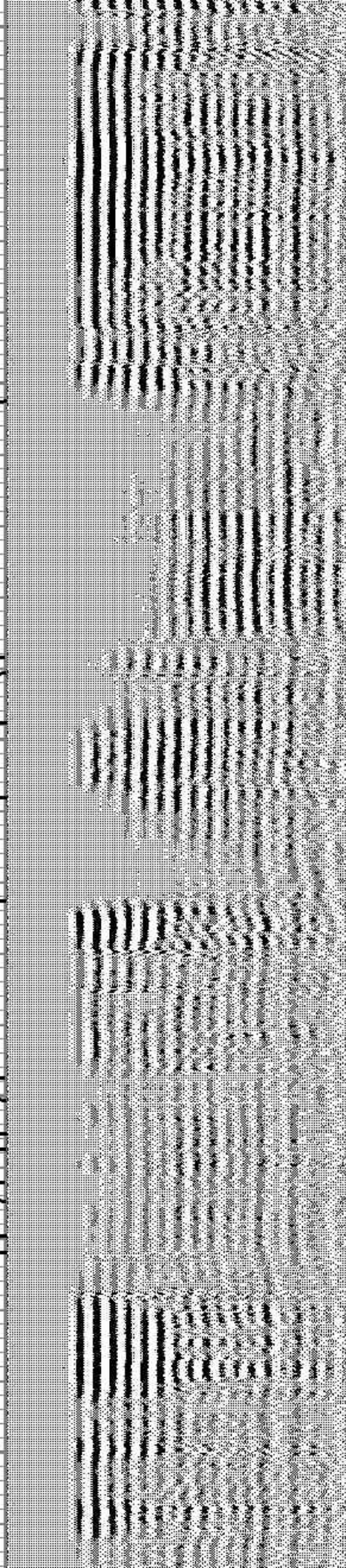
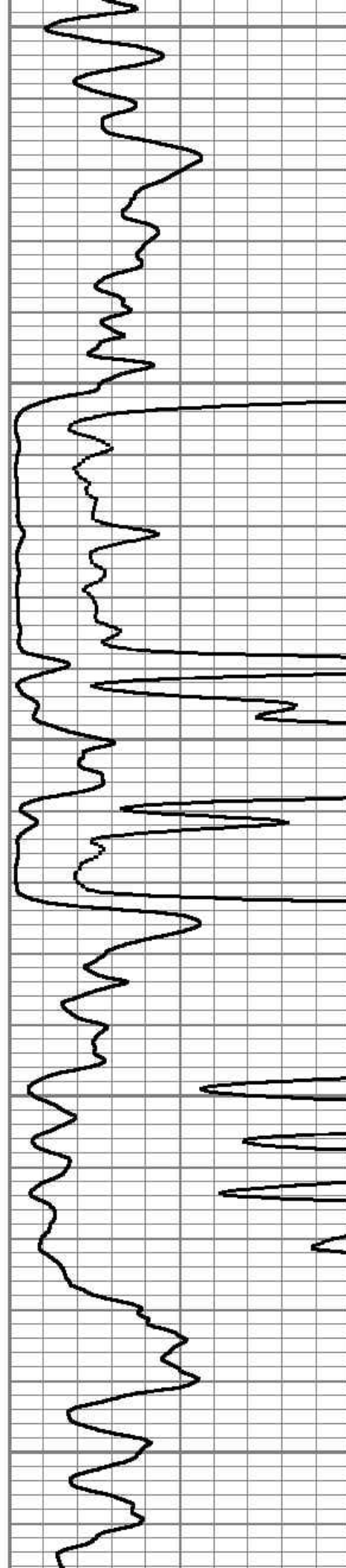
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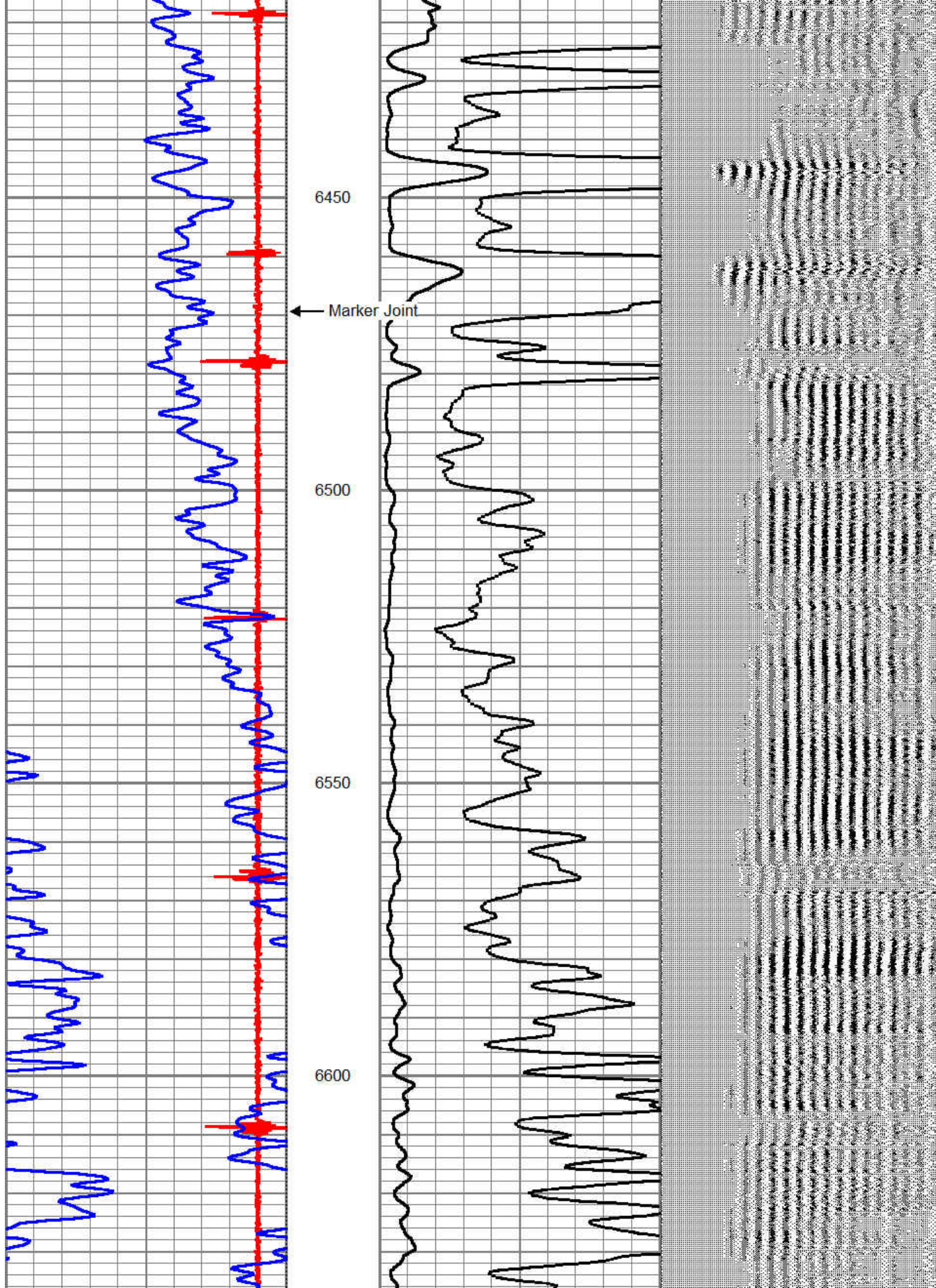
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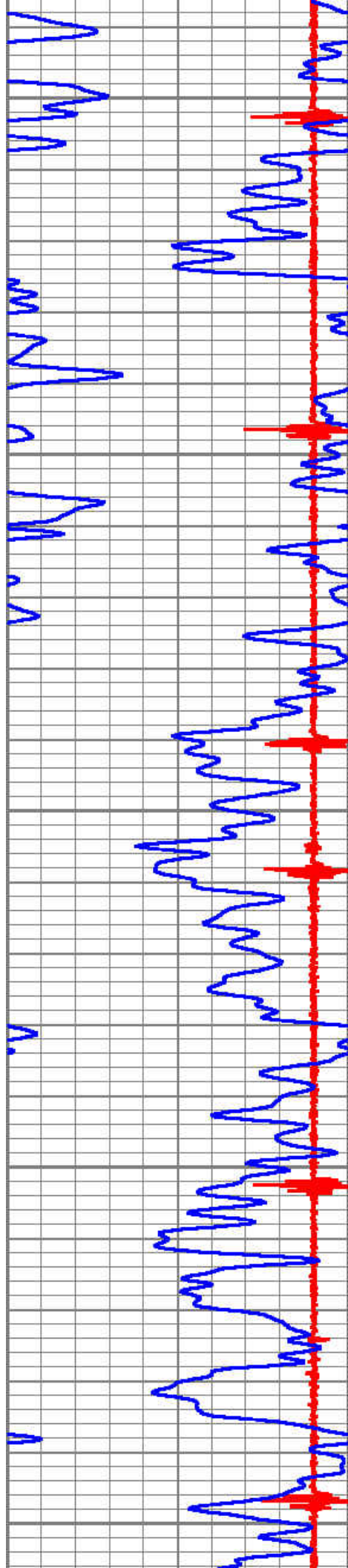
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6350

6400







6650

6700

← Marker Joint

6750

6800

6850

