



CEMENT
BOND
LOG

Company James P. Williams Inc.
Well Paul H. Williams #2
Field Williams
County Rooks State Kansas

Location: 330' FNL & 925" FWL
API #: 15 163 23748 00 01
Other Services
Permanent Datum SEC 9 TWP 10S RGE 18W
Log Measured From KB 8' AGL
Drilling Measured From KB
Elevation
K.B. 2193'
D.F. 2192'
G.L. 2185'

Company James P. Williams Inc.
Well Paul H. Williams #2
Field Williams
County Rooks
State Kansas

Date	9-5-19
Run Number	One
Depth Driller	3875'
Depth Logger	3837'
Bottom Logged Interval	3835'
Top Log Interval	Surface
Open Hole Size	7 7/8"
Type Fluid	Water
Density / Viscosity	///
Max. Recorded Temp.	///
Estimated Cement Top	562'
Time Well Ready	ROA
Time Logger on Bottom	12:30 p.m.
Equipment Number	T-968
Location	Hays, KS.
Recorded By	L. Smith
Witnessed By	Mr. James Williams

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wd/Ft	Top	Bottom
Surface String	8 5/8"	26#	0'	238'
Prot. String				
Production String	4 1/2"		0'	3875'
Liner				

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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

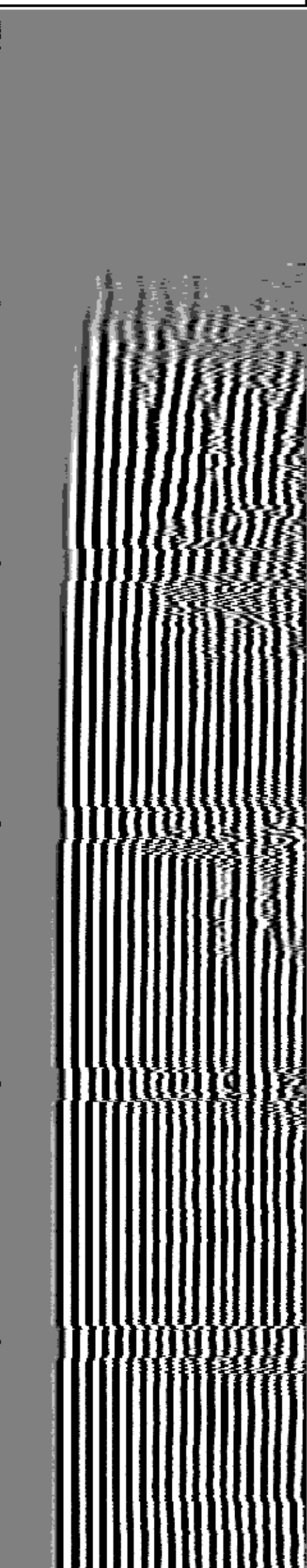
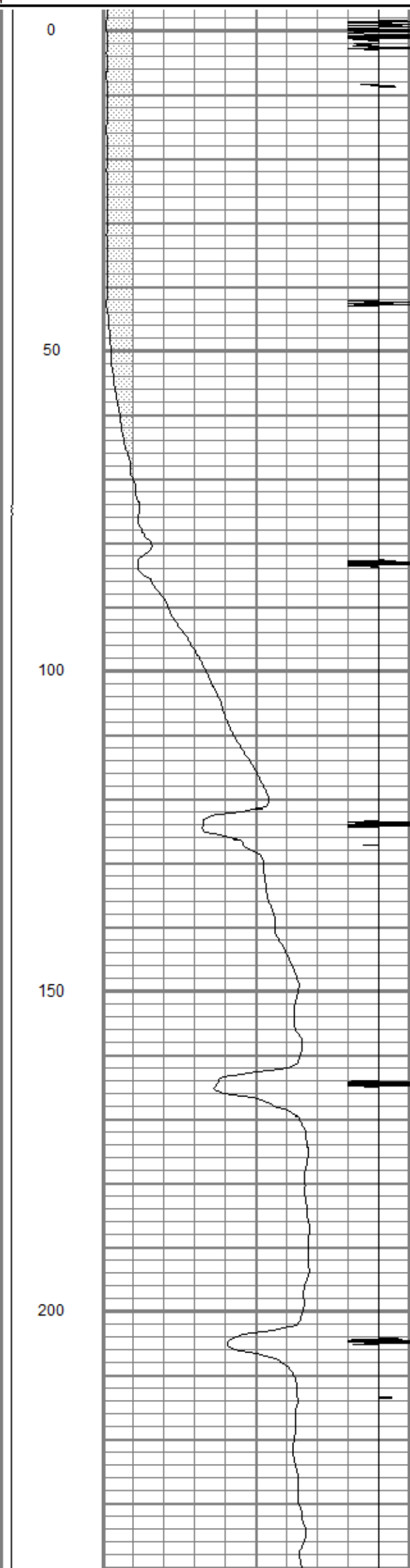
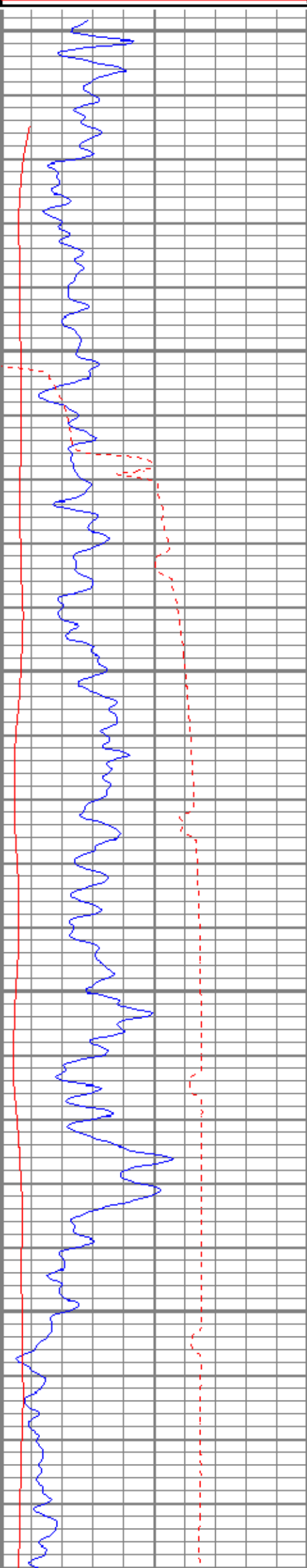
Thanks for using Gemini Wireline LLC
785-625-1182

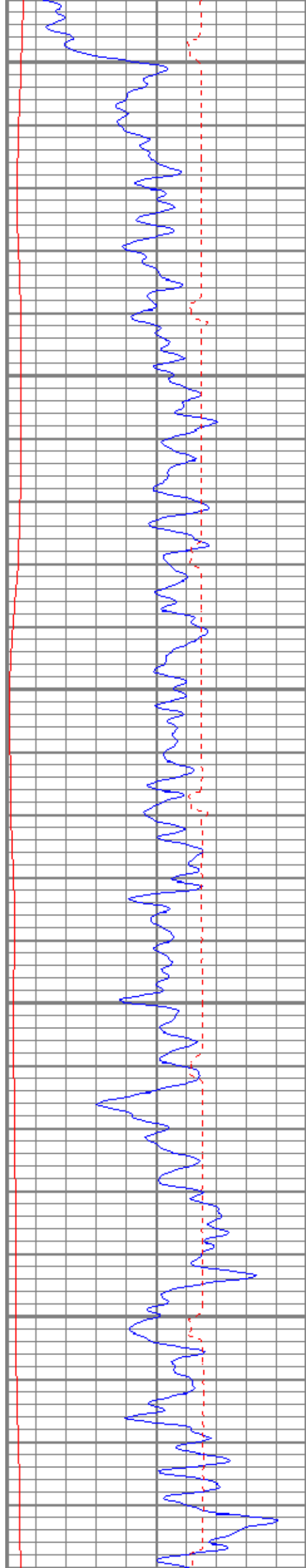


Main Pass

Database File jpwpaulwilliams#2cbl.db
Dataset Pathname pass2.1
Presentation Format cblsec
Dataset Creation Thu Sep 05 13:35:58 2019
Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	LTEN	18	CCL	-2	200	VDL (usec)	1200
150	GR (GAPI)	300	(lb)	0	AMP3 (mV)	100			
450	TT3 (usec)	250	-100 2100						





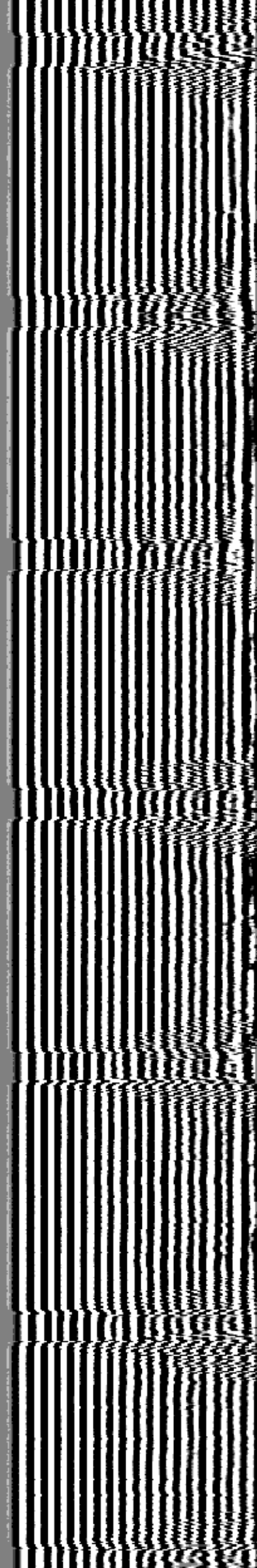
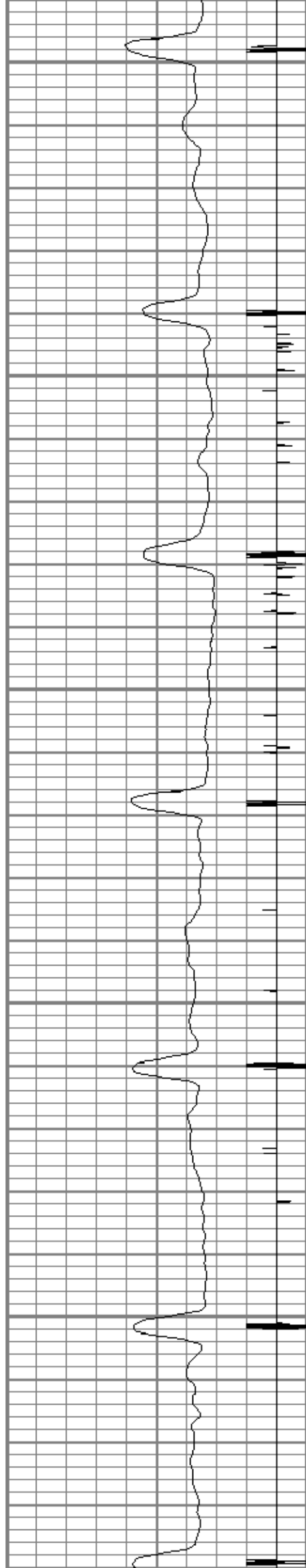
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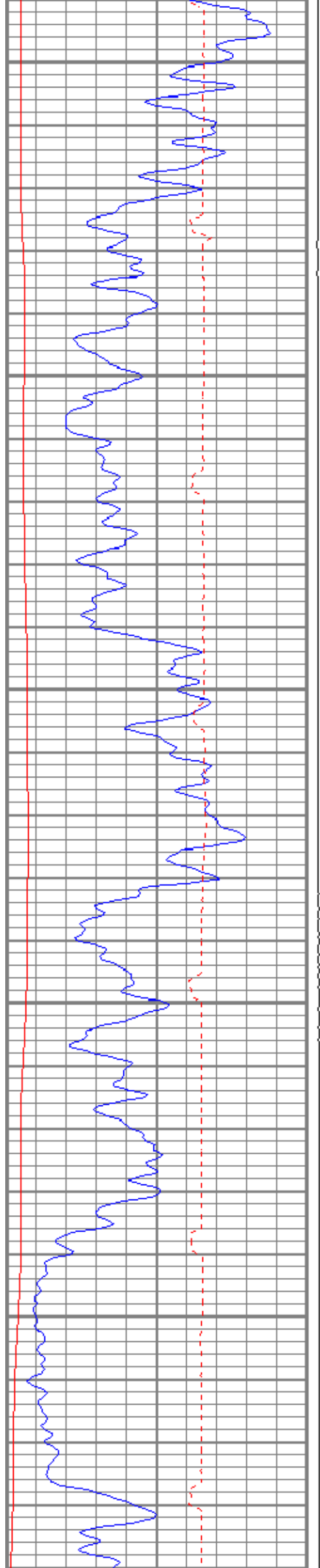
300

350

400

450





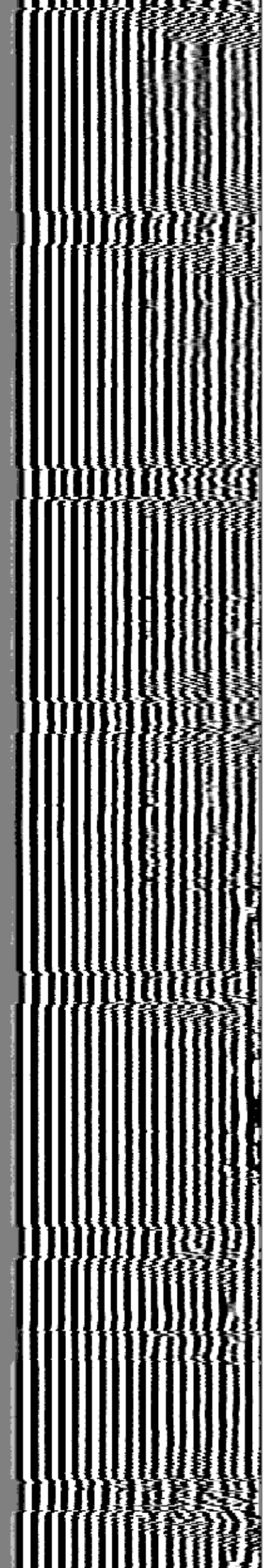
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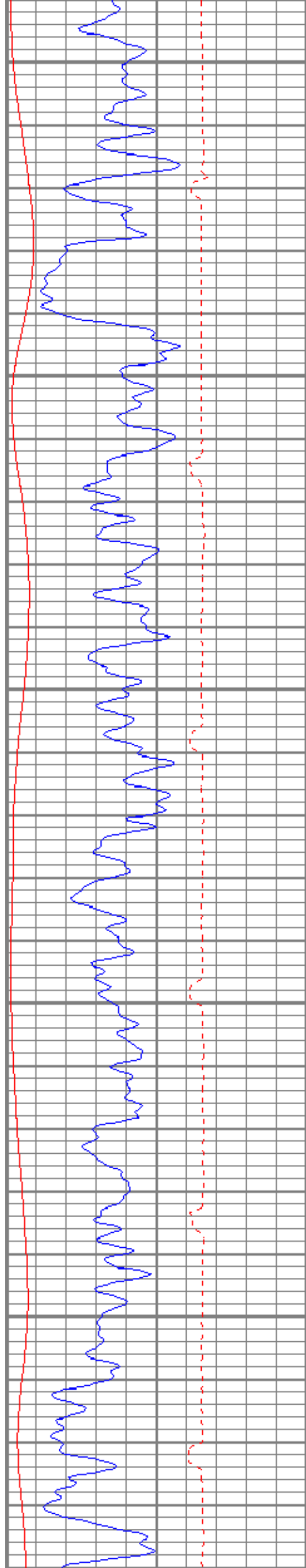
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600

650

700





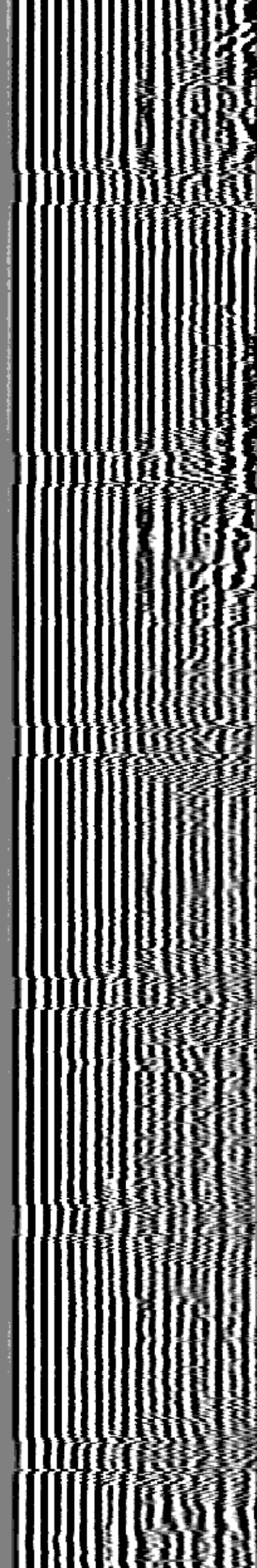
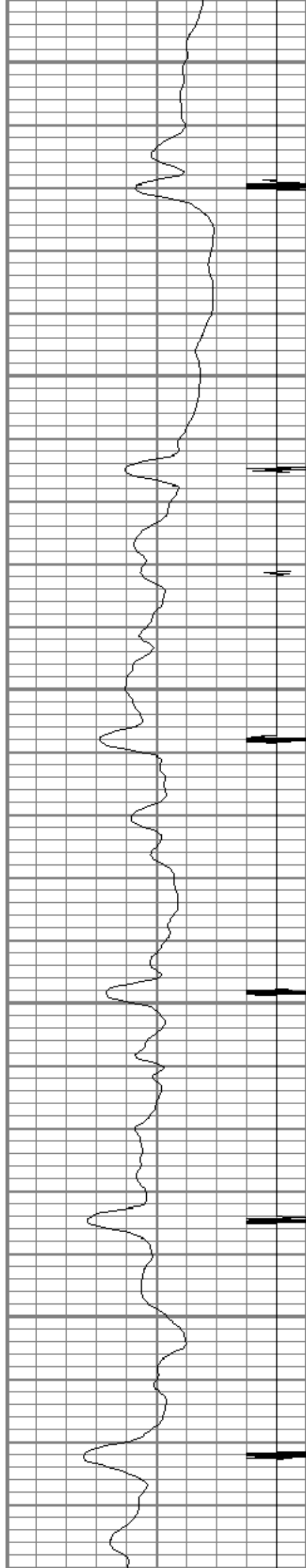
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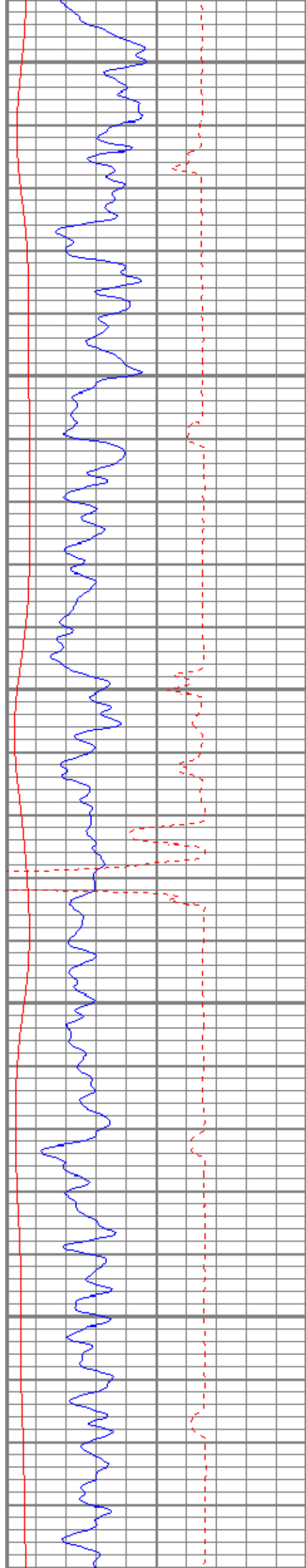
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850

900

950





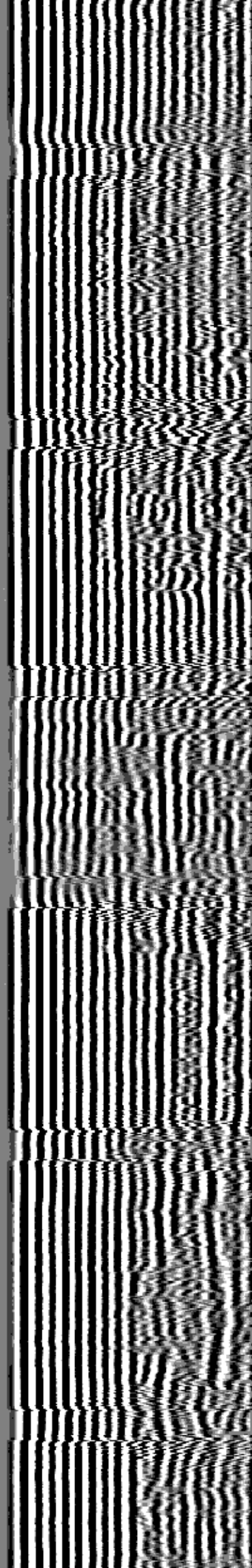
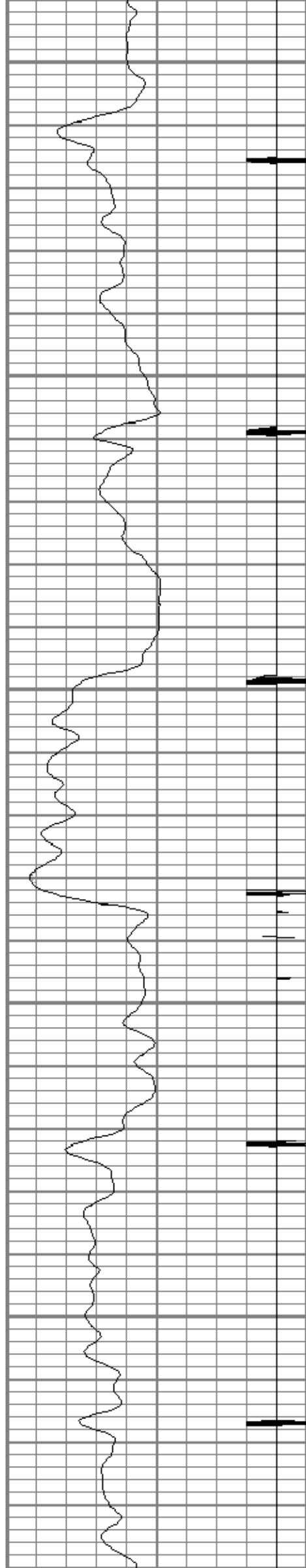
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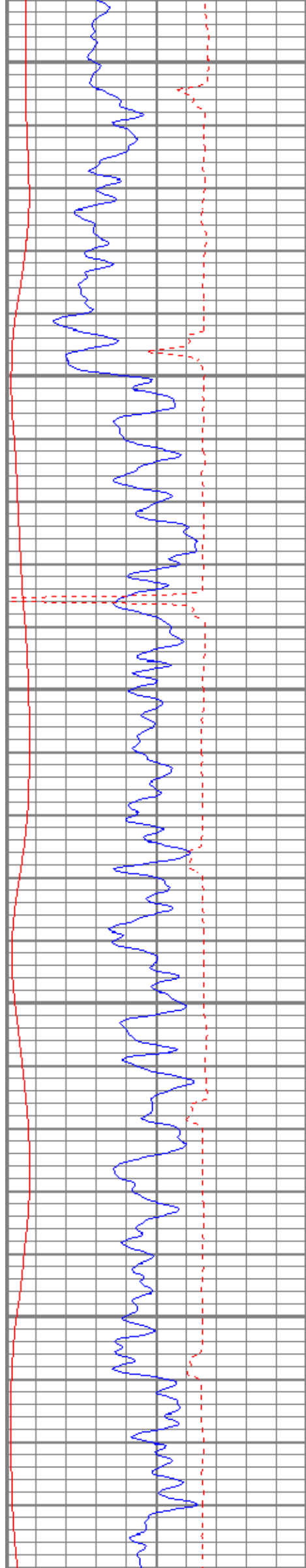
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1100

1150

1200





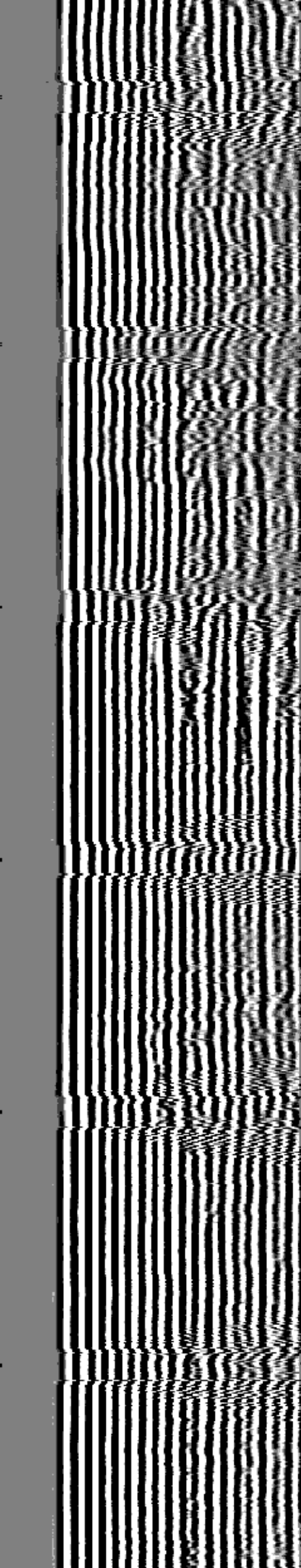
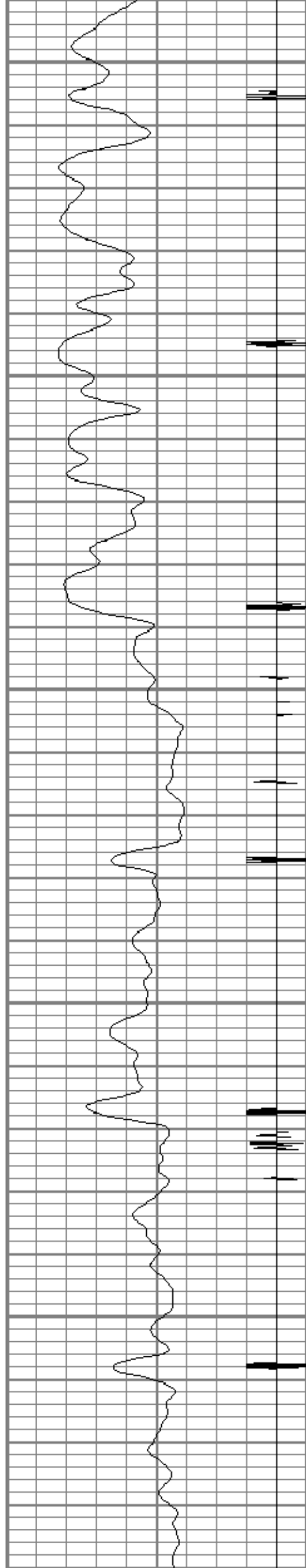
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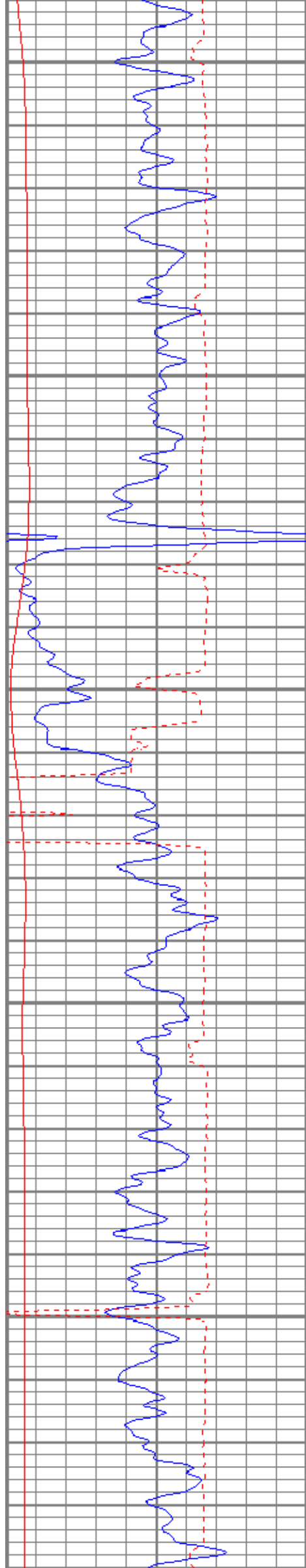
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1350

1400

1450





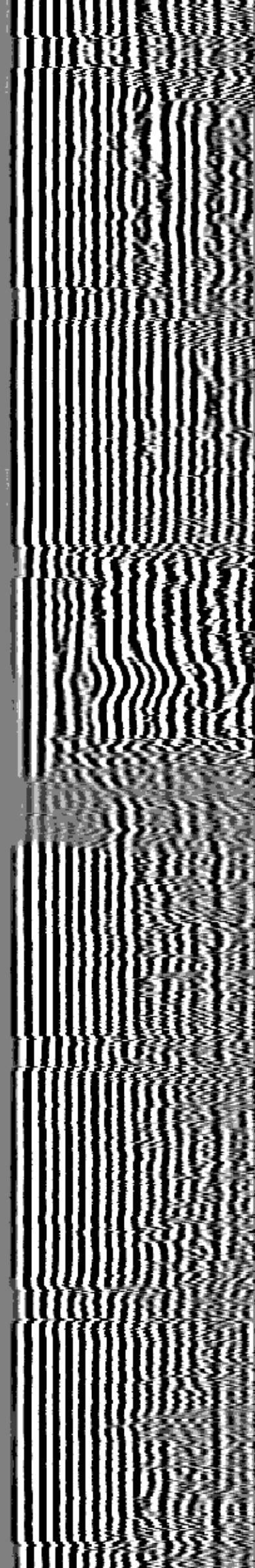
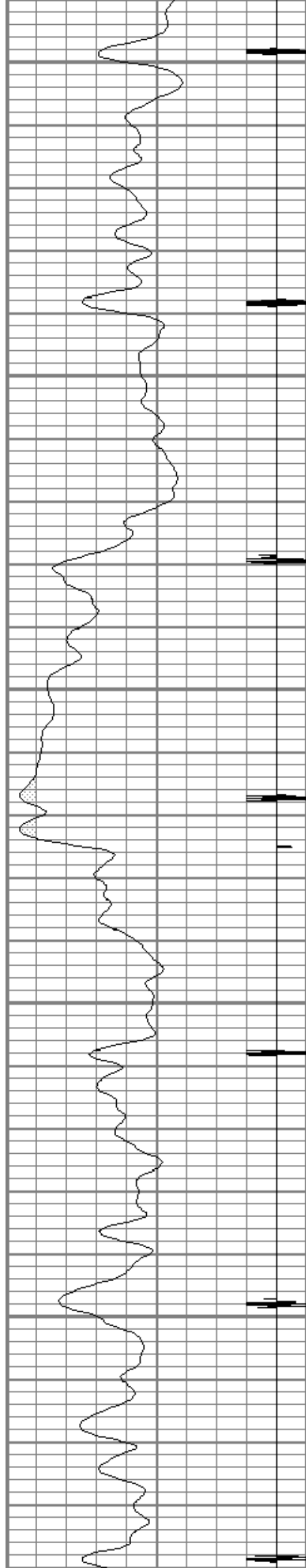
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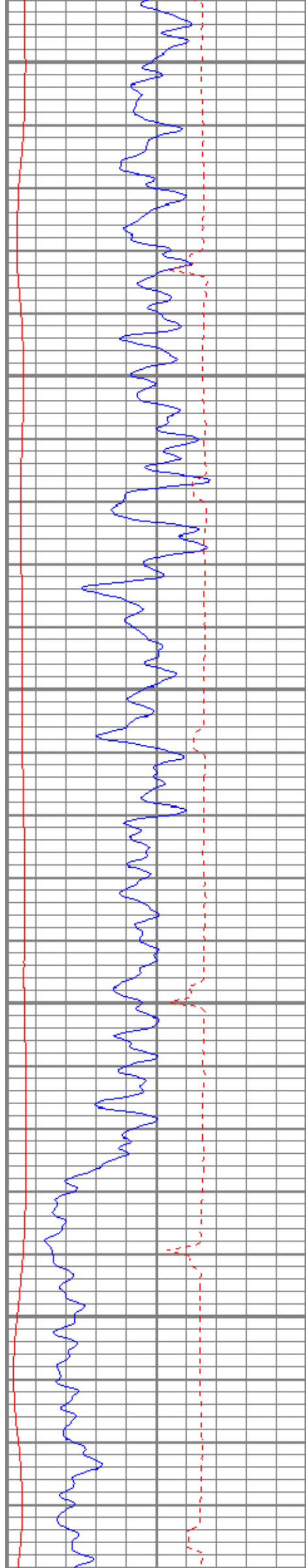
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1600

1650

1700





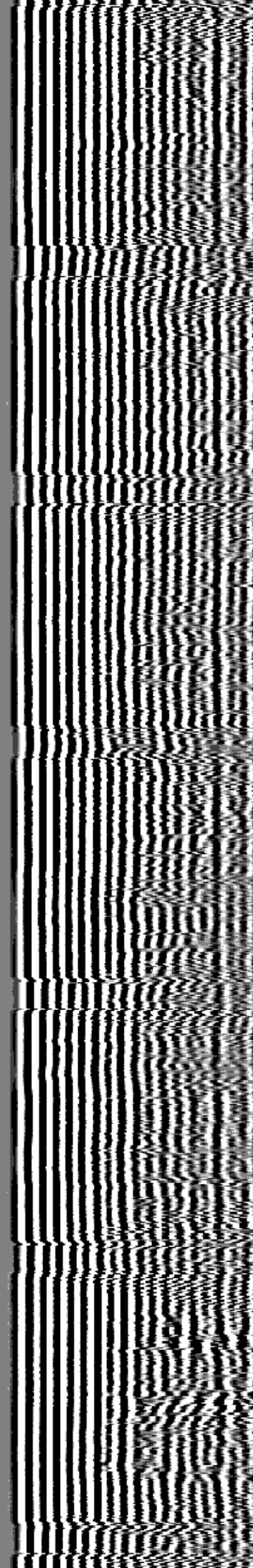
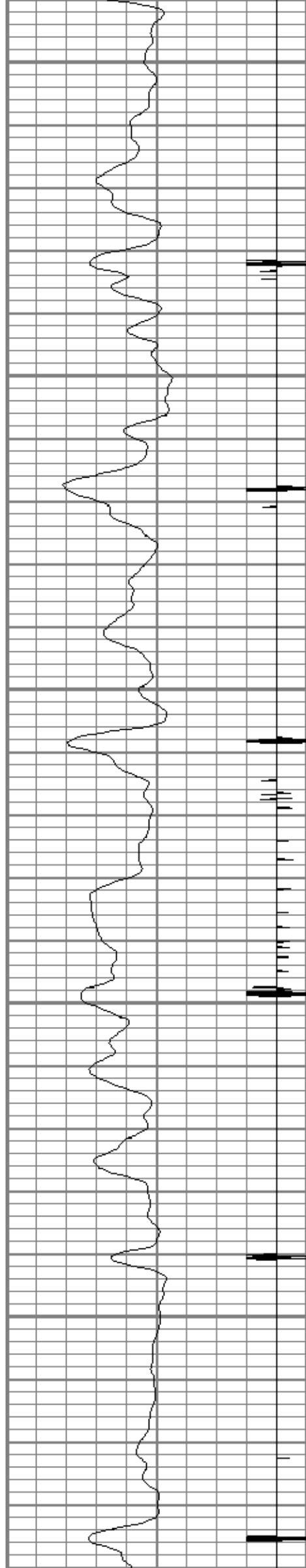
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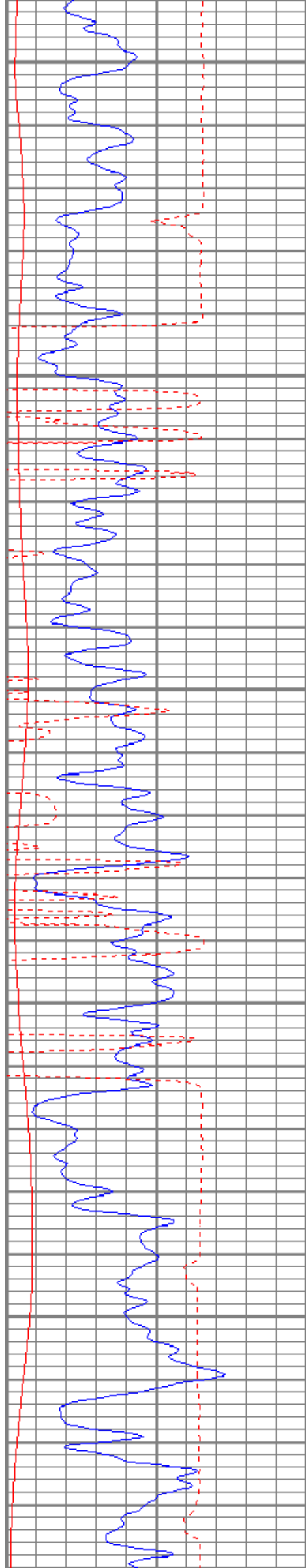
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1850

1900

1950





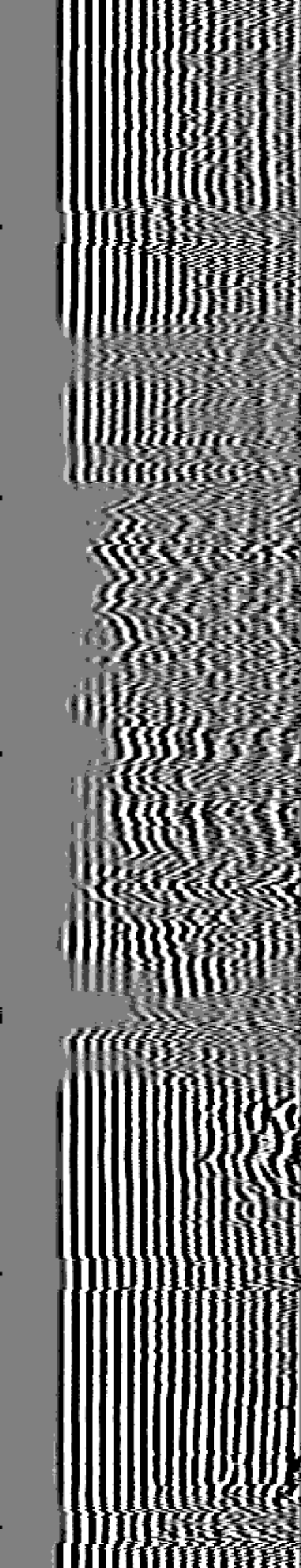
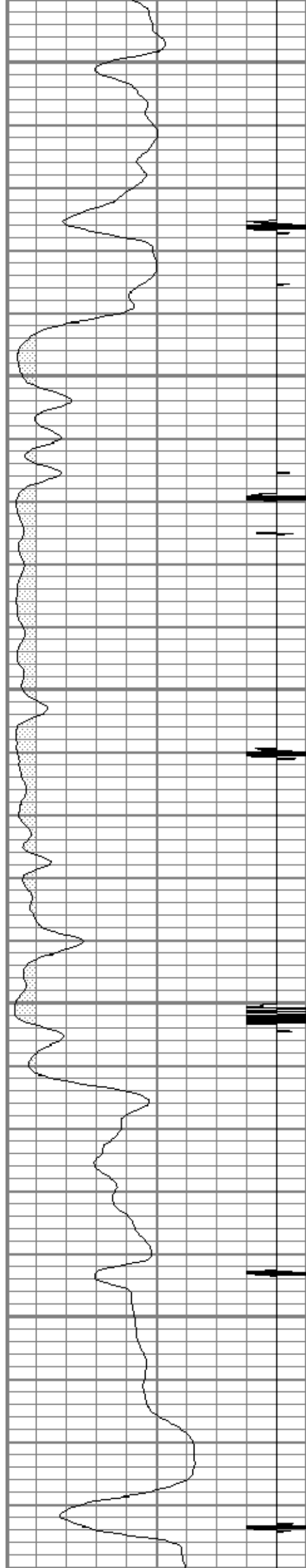
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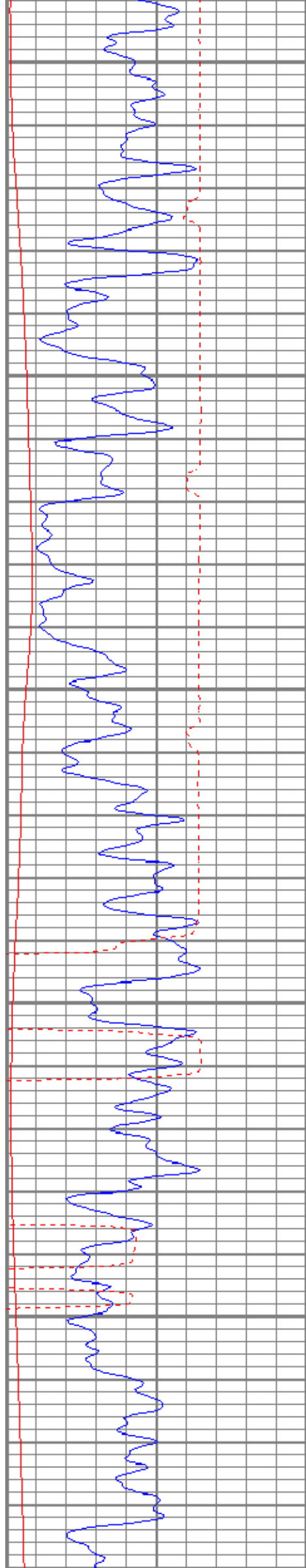
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2100

2150

2200





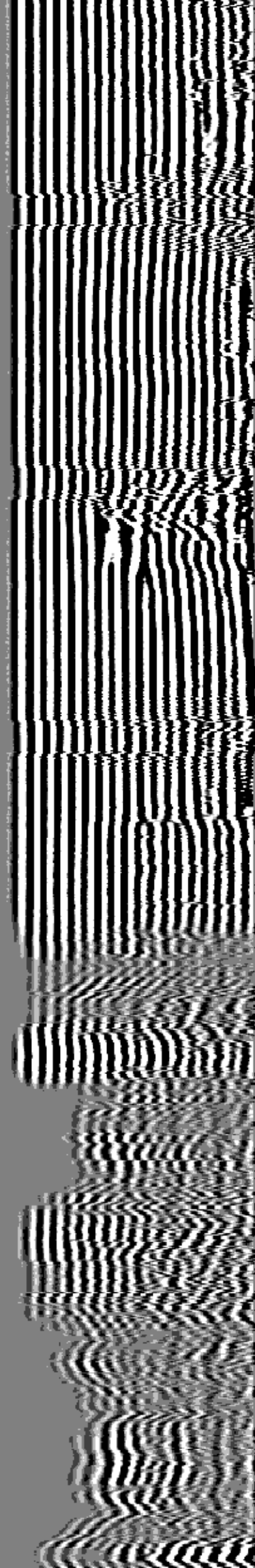
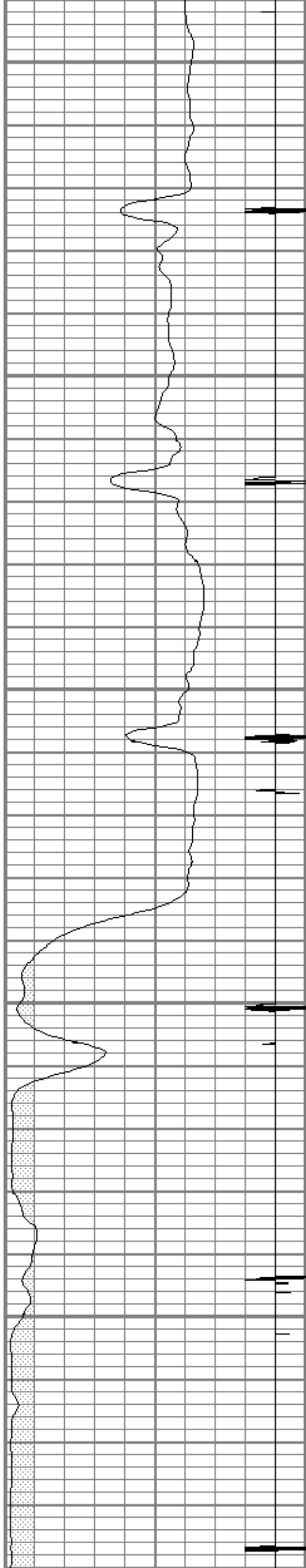
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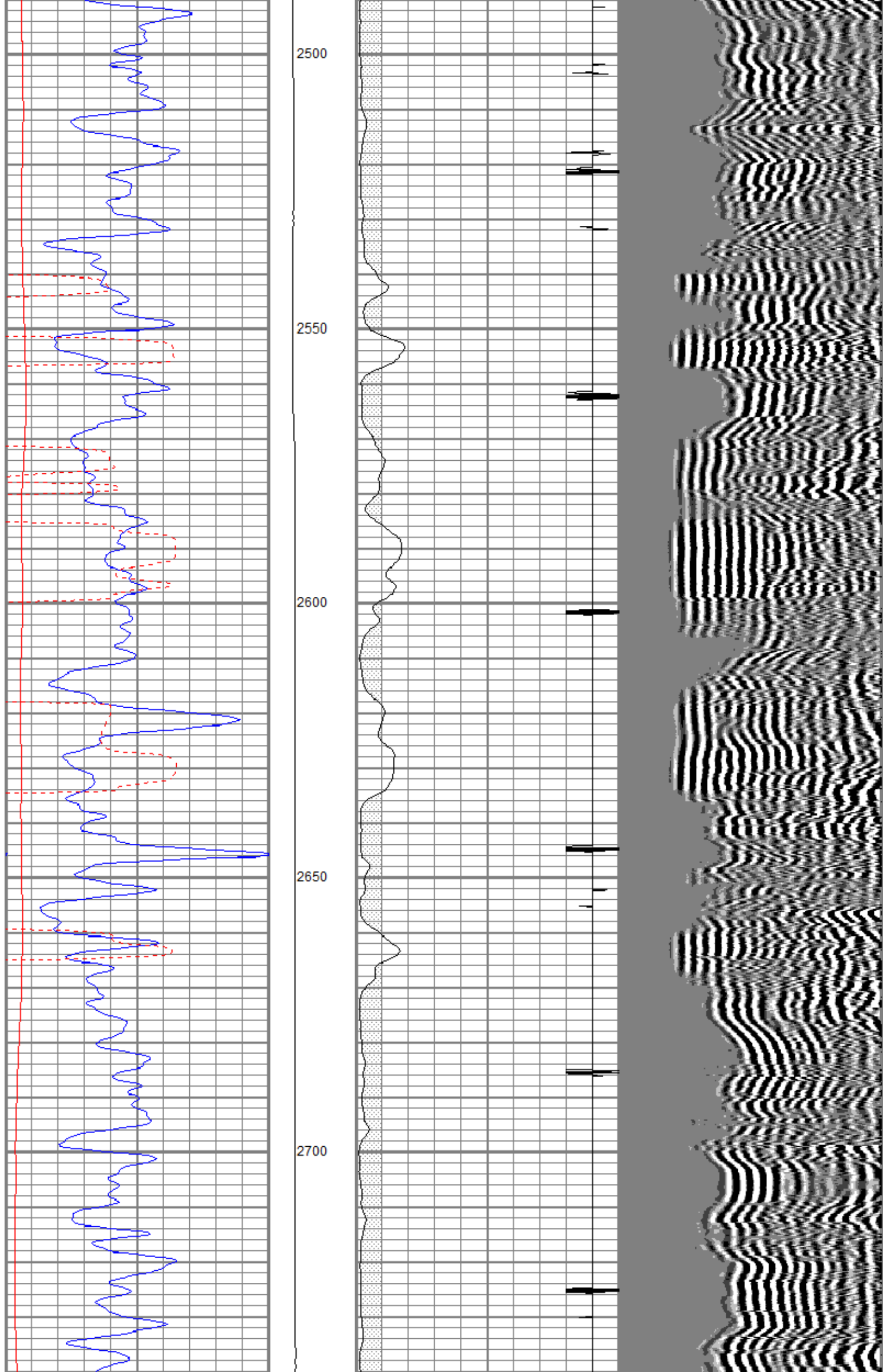
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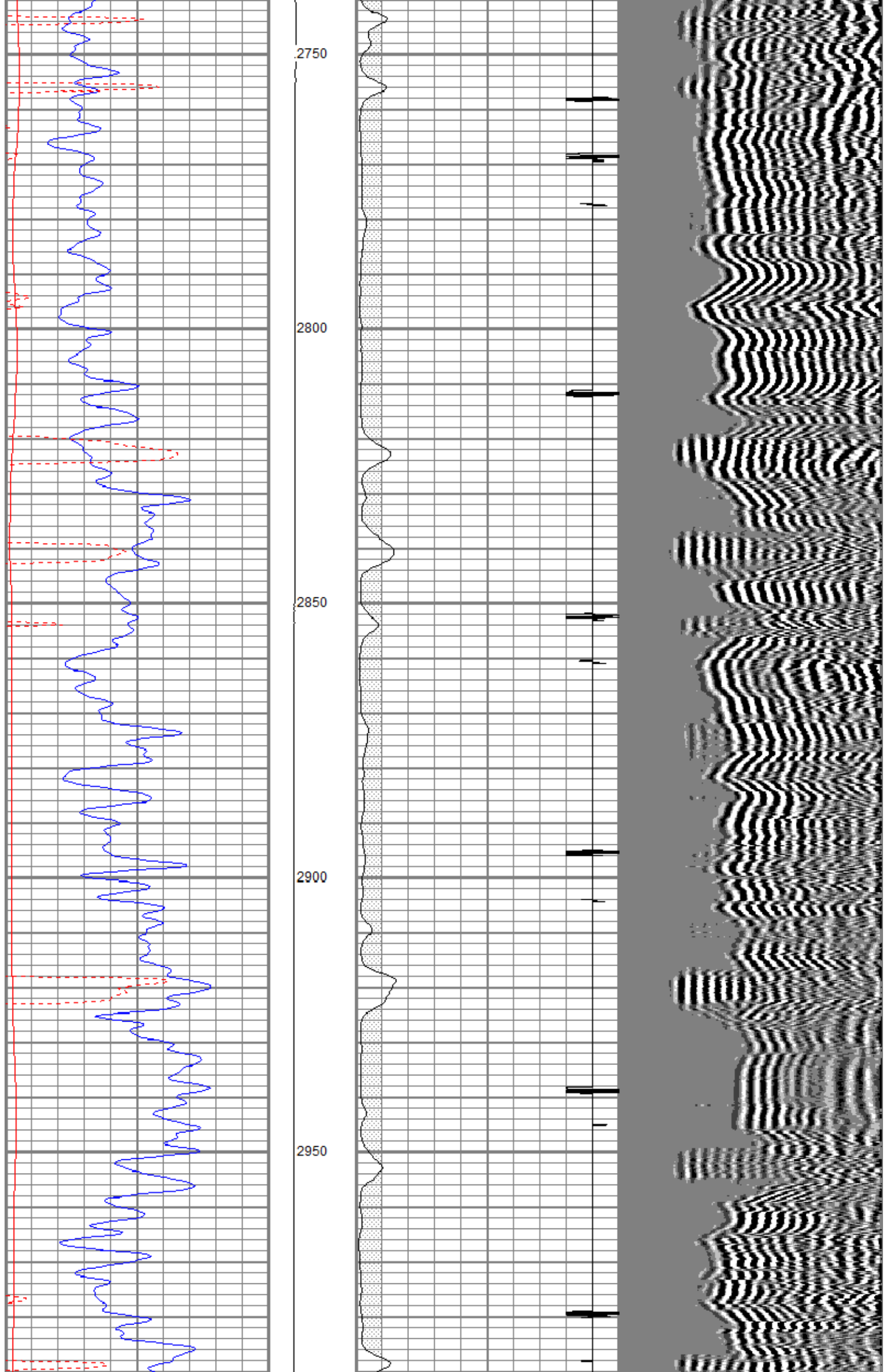
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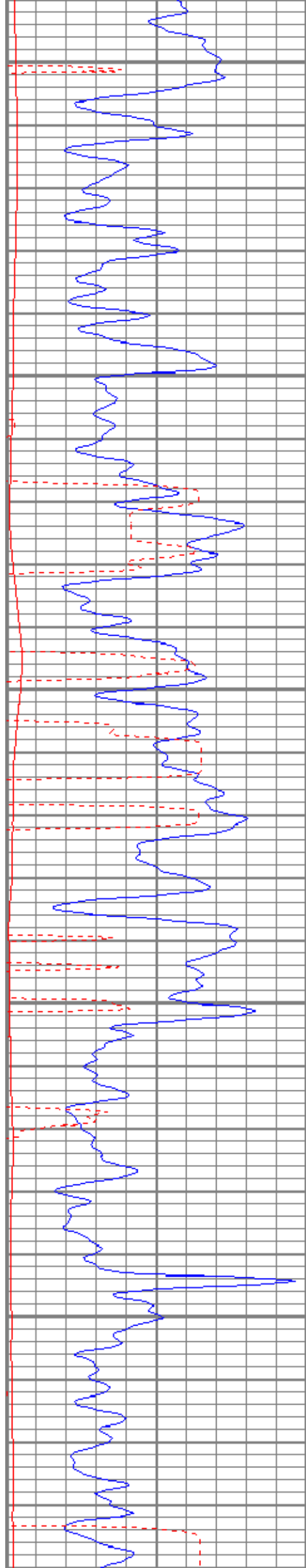
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2450









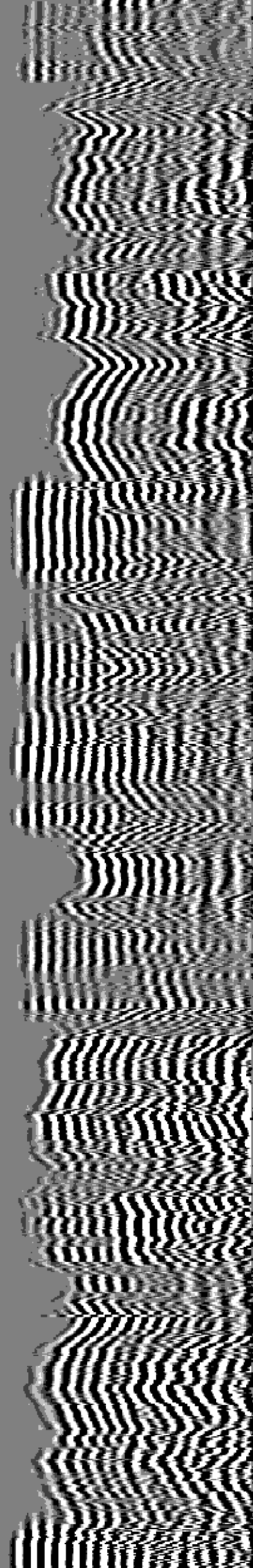
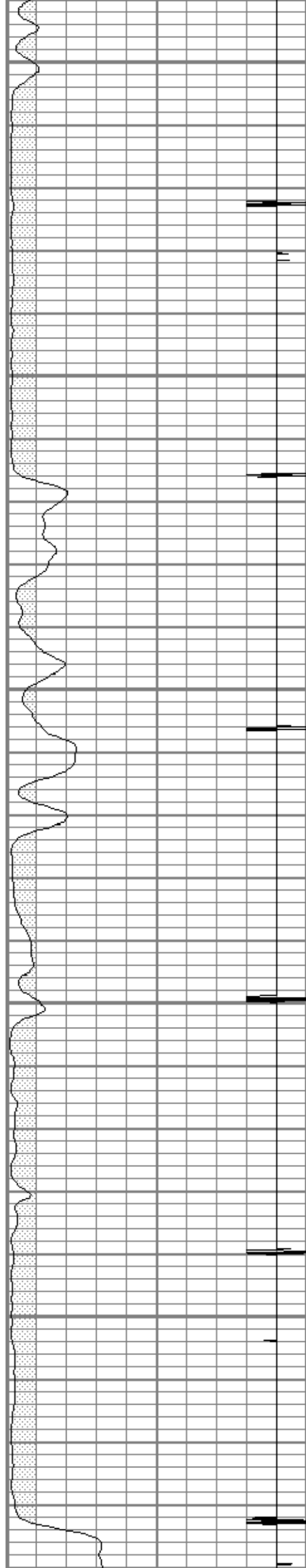
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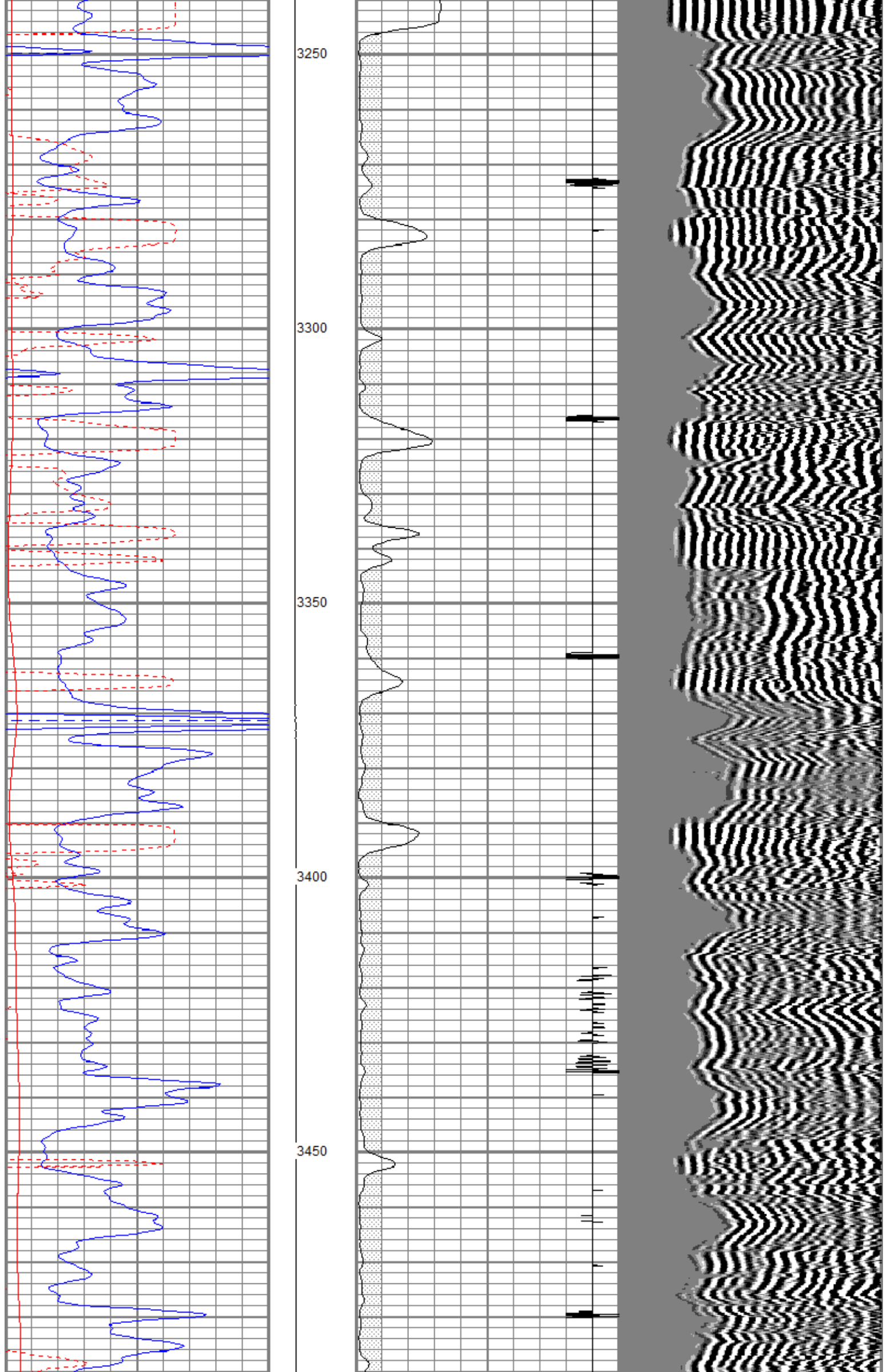
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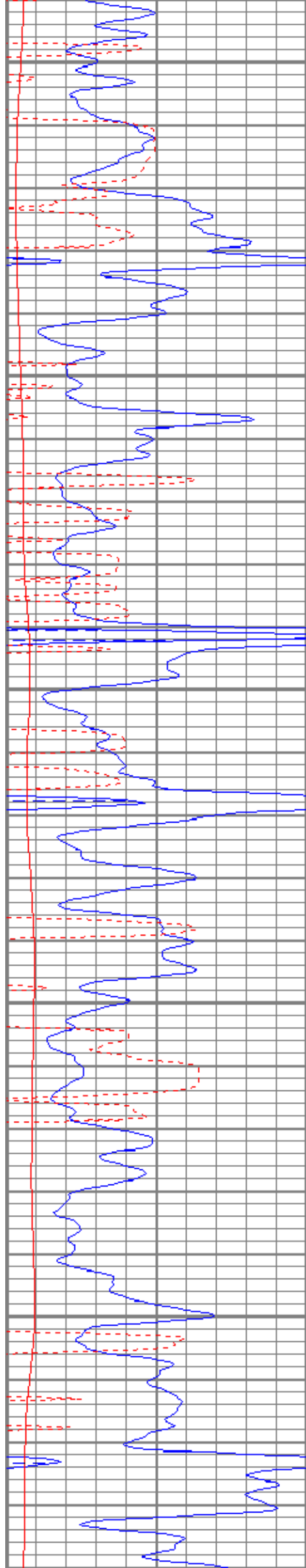
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3150

3200







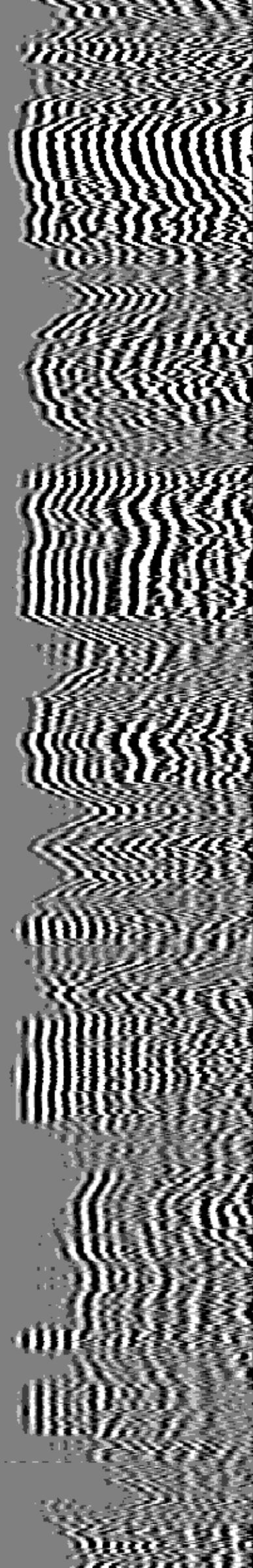
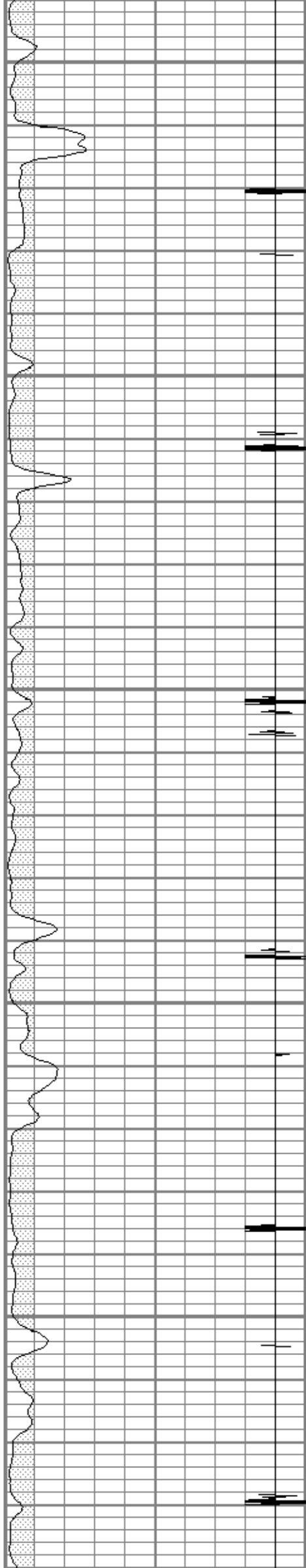
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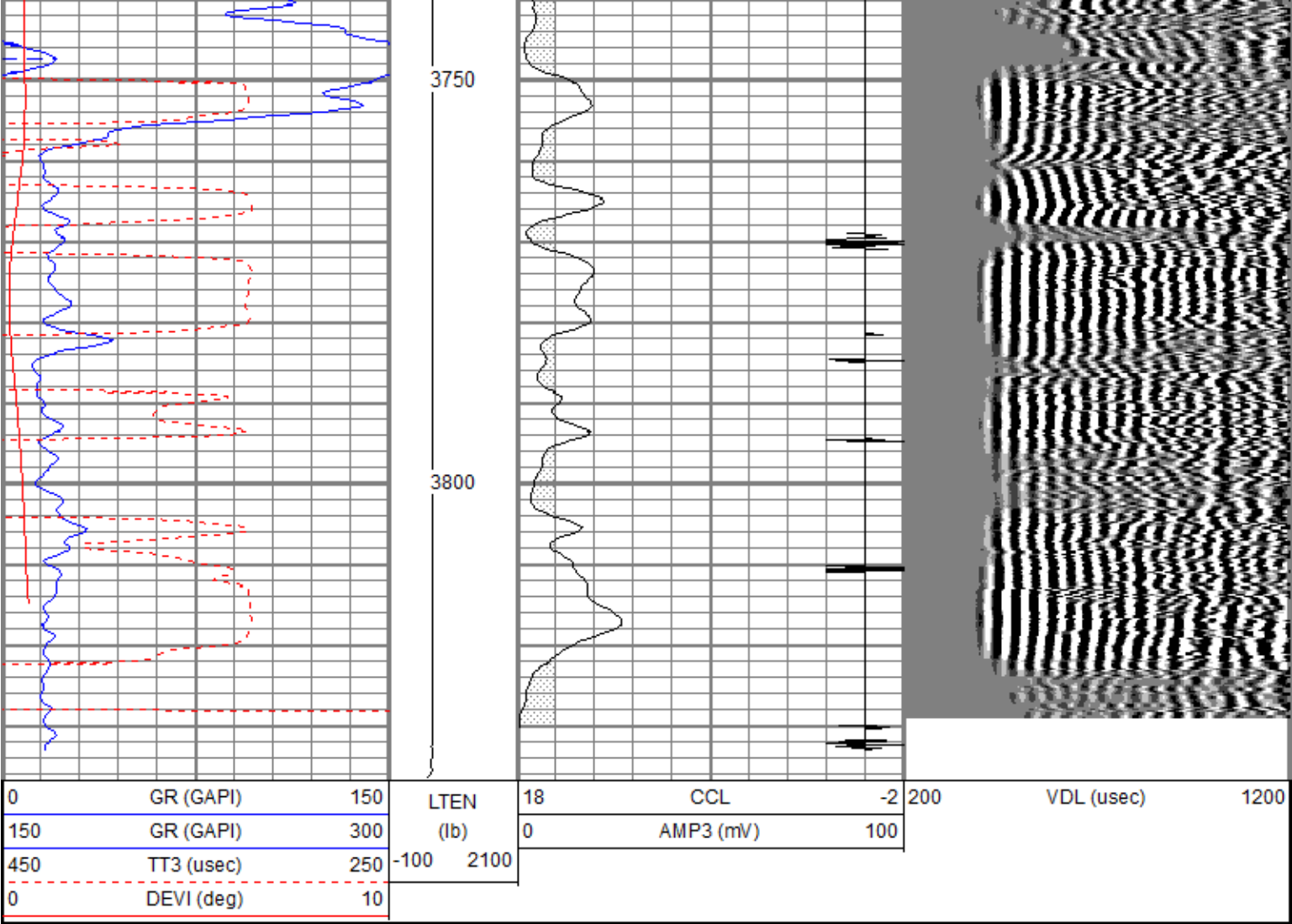
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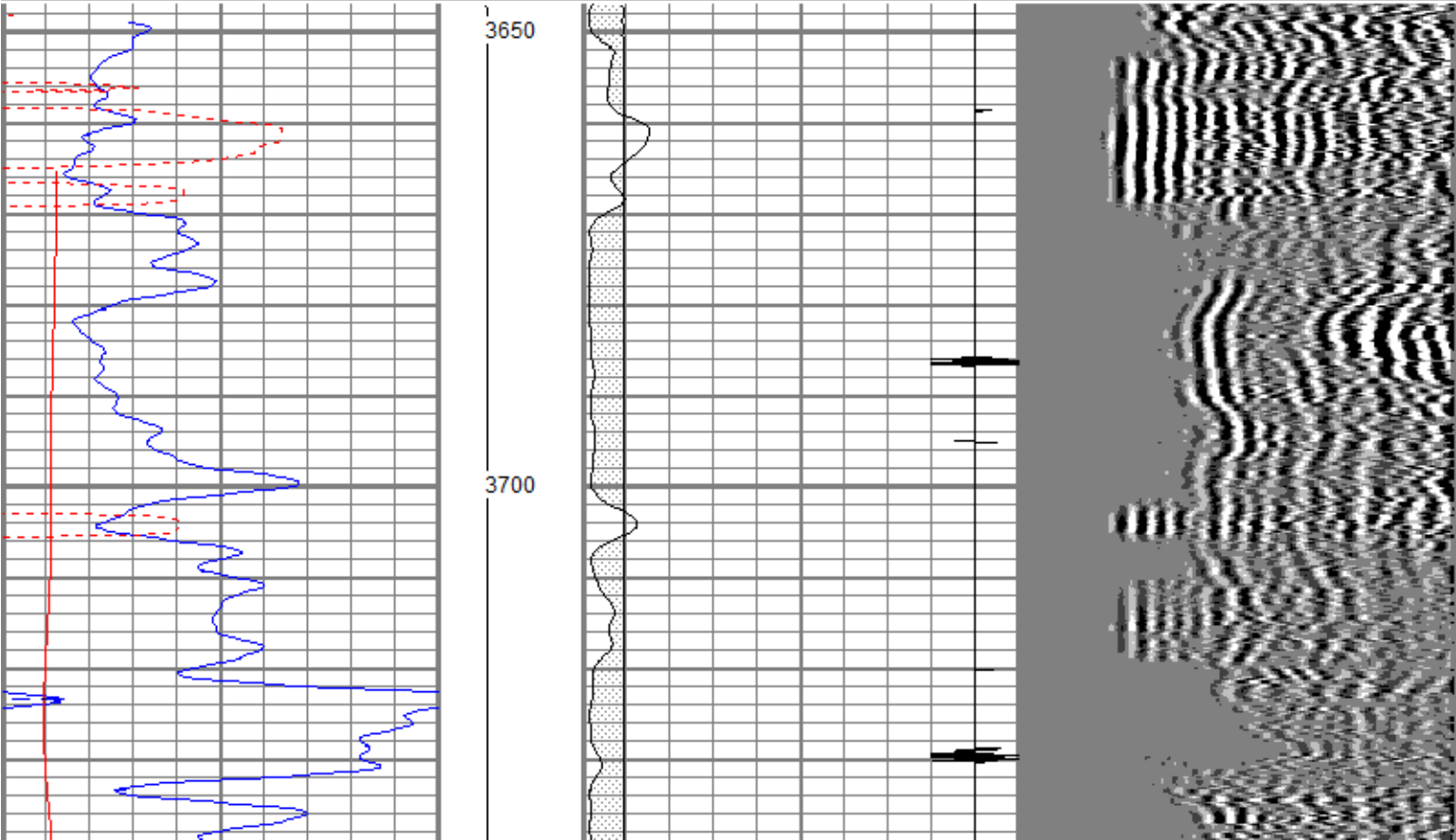
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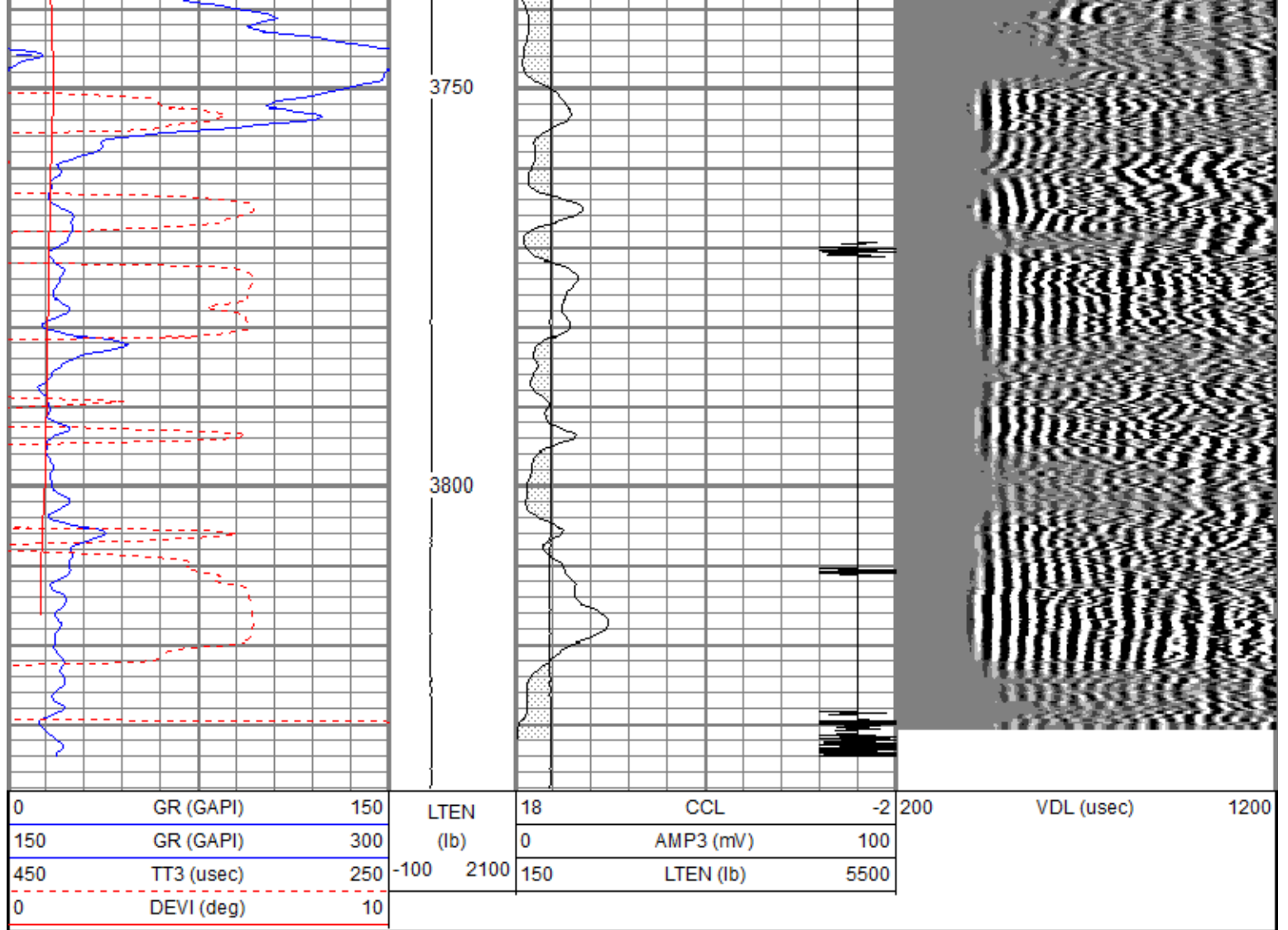




Database File jwpaulwilliams#2cbl.db
Dataset Pathname pass1.2
Presentation Format cblsec
Dataset Creation Thu Sep 05 13:28:00 2019
Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	LTEN	18	CCL	-2	200	VDL (usec)	1200
150	GR (GAPI)	300	(lb)	0	AMP3 (mV)	100			
450	TT3 (usec)	250	-100 2100	150	LTEN (lb)	5500			
0	DEVI (deg)	10							





Calibration Report				
Database File	jpwpaulwilliams#2cbl.db			
Dataset Pathname	pass2			
Dataset Creation	Thu Sep 05 12:52:02 2019			
Gamma Ray Calibration Report				
Serial Number:	081014			
Tool Model:	275D_INC			
Performed:	Tue Jul 07 15:01:25 2015			
Calibrator Value:	1.0	GAPI		
Background Reading:	0.0	cps		
Calibrator Reading:	1.0	cps		
Sensitivity:	1.0000	GAPI/cps		
Inclinometer Calibration Report				
Performed:	Mon Nov 05 09:28:10 2012			
	Low Read.	High Read.	Low Ref.	High Ref.
X Accelerometer	-3589.40	3580.00	-1.00	1.00 gee
Y Accelerometer	-3673.00	3502.20	-1.00	1.00 gee
Z Accelerometer	24.60	3577.40	0.00	1.00 gee
Segmented Cement Bond Log Calibration Report				
Serial Number:	080321			
Tool Model:	Probe			
Calibration Casing Diameter:	5.500	in		
Calibration Depth:	2279.776	ft		

Master Calibration, performed Wed Jul 03 11:27:51 2019:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.006	0.642	1.000	71.921	111.638	0.295
CAL	0.006	1.046				
5'	0.006	0.532	1.000	71.921	134.931	0.132
SUM						
S1	0.006	0.688	0.000	72.000	105.703	-0.686
S2	0.006	0.666	0.000	72.000	109.114	-0.670
S3	0.006	0.638	0.000	72.000	114.022	-0.722
S4	0.006	0.615	0.000	72.000	118.389	-0.759
S5	0.006	0.614	0.000	72.000	118.522	-0.747
S6	0.006	0.622	0.000	72.000	117.001	-0.743
S7	0.007	0.660	0.000	72.000	110.190	-0.720
S8	0.007	0.688	0.000	72.000	105.633	-0.698

Internal Reference Calibration, performed Thu Dec 04 16:30:55 2008:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.006	1.046	1.000	0.000

Air Zero Calibration, performed Mon Jan 11 14:07:53 2016:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	
S4	0.000		0.000		0.000	
S5	0.000		0.000		0.000	
S6	0.000		0.000		0.000	
S7	0.000		0.000		0.000	
S8	0.000		0.000		0.000	

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
WVFS8	8.69		CHD-sdschd	0.75	1.44	3.00
WVFS7	8.69		CENT-275 2 3/4" Centralizer	2.94	2.75	10.00
WVFS6	8.69					
WVFS5	8.69					
WVFS4	8.69					
WVFS3	8.69					
WVFS2	8.69					
WVFS1	8.69		RBT-Probe (080321) Prototype Probe Radii Bond Tool with Digital Telemetry	8.33	2.75	90.00
WVFCAL	8.69					
WV3FT	8.69					
WV5FT	7.69					
HEADVOLT	4.50					
CCL	3.50					
ACCZ	1.83					
ACCY	1.83					
ACCX	1.83					
GR	0.83		GR-275D_INC (081014) 2-3/4" GR-CCL with Inclination	4.50	2.75	

Dataset: jwpwpaulwilliams#2cbl.db: field/well/run1/pass2
Total length: 16.52 ft
Total weight: 103.00 lb
O.D.: 2.75 in