



Cement
Bond
Log

Company		Castle Resources	
Well		Wesseler #5	
Field		Stoltenberg	
County		Ellsworth	
State		KS	
Location:		API #: 15-053-21342	
SEC 19 TWP 17S RGE 9W		880' FSL & 1850' FEL	
Permanent Datum		Ground Level	
Log Measured From		KB 5' AGL	
Drilling Measured From		KB	
Elevation		1769'	
Other Services		K.B. 1774' D.F. 1773' G.L. 1769'	
Date		1-20-16	
Run Number		One	
Depth Driller		3500'	
Depth Logger		3304'	
Bottom Logged Interval		3303'	
Top Log Interval		Surface	
Open Hole Size		7 7/8"	
Type Fluid		Water	
Density / Viscosity		///	
Max. Recorded Temp.		///	
Estimated Cement Top			
Time Well Ready		Portable Mast	
Time Logger on Bottom		12:30 P.M	
Equipment Number		T-968	
Location		Hays, KS	
Recorded By		C.Patterson	
Witnessed By			
Borehole Record		Tubing Record	
Run Number		Bit	
From		To	
Size		Weight	
From		To	
Casing Record		Size	
Surface String		WqUFI	
Prot. String		Top	
Production String		Bottom	
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.

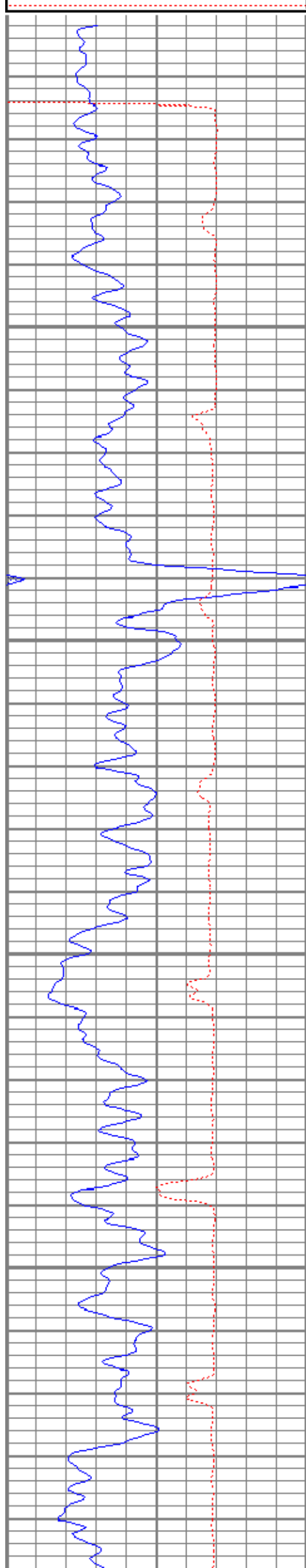
Comments



Main Pass

Database File	crwesseler#5cbl.db
Dataset Pathname	pass2
Presentation Format	cbl
Dataset Creation	Wed Jan 20 12:55:18 2016
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150	18	CCL	-2	200	VDL	1200
150	GR (GAPI)	300	0	AMP3FT (mV)	100			
400	TT3FT (usec)	200						

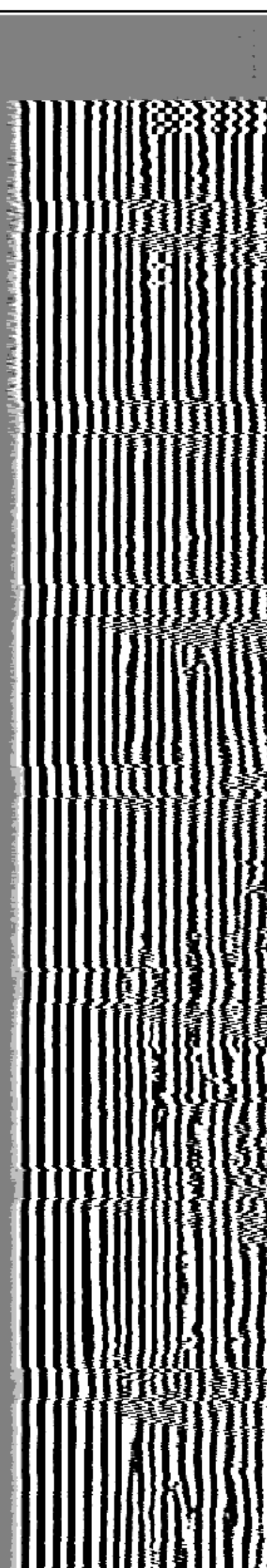
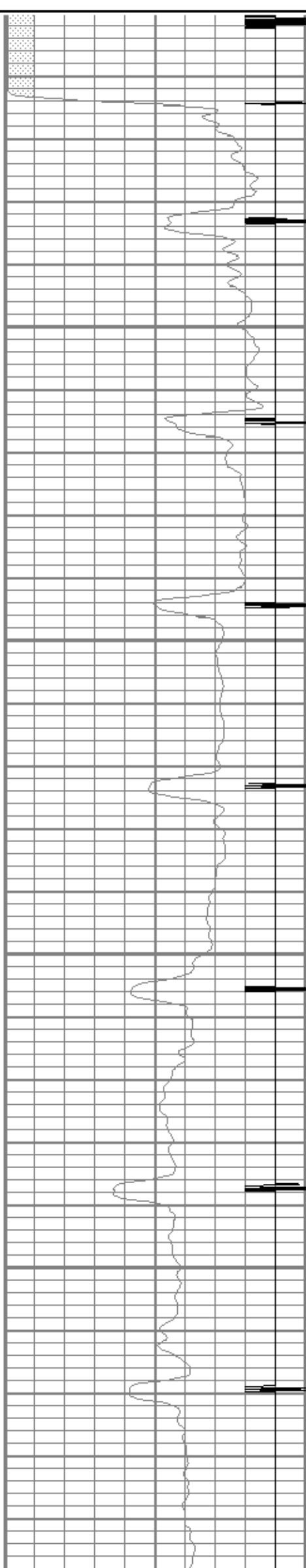


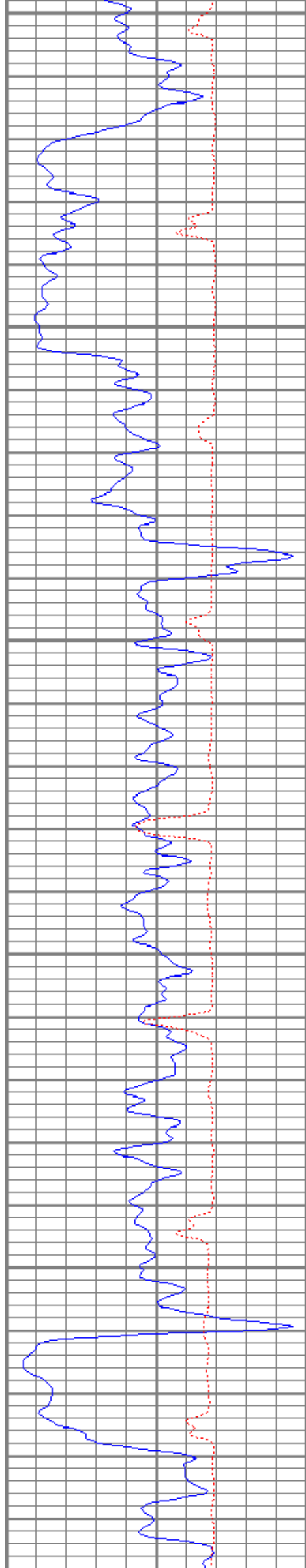
50

100

150

200





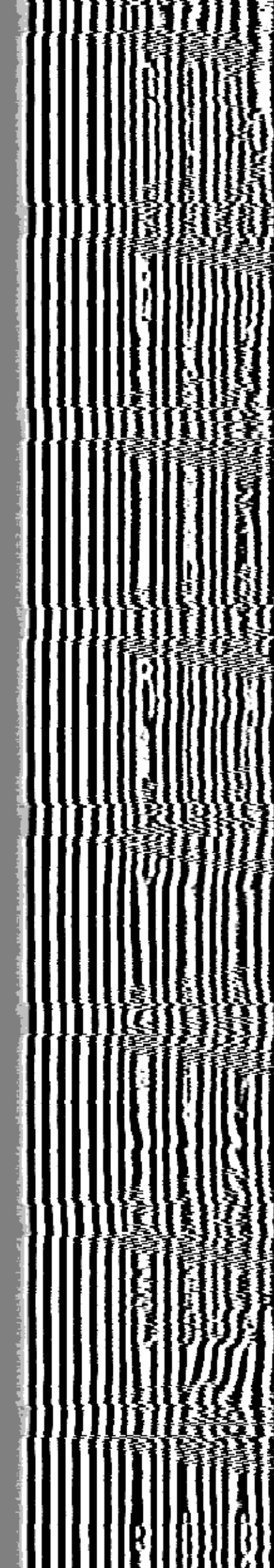
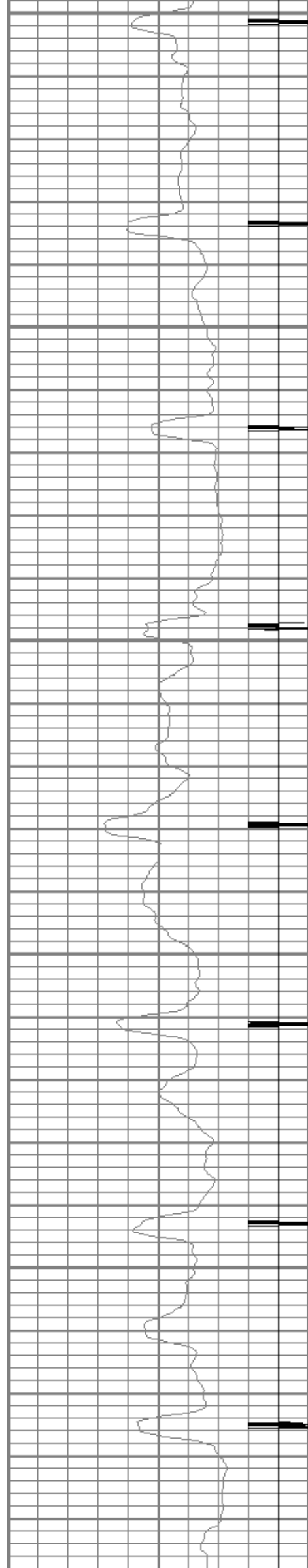
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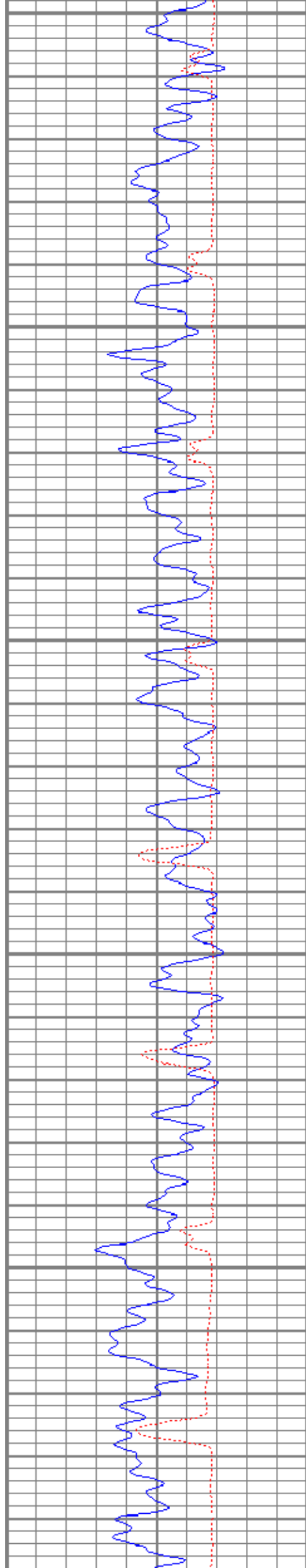
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350

400

450





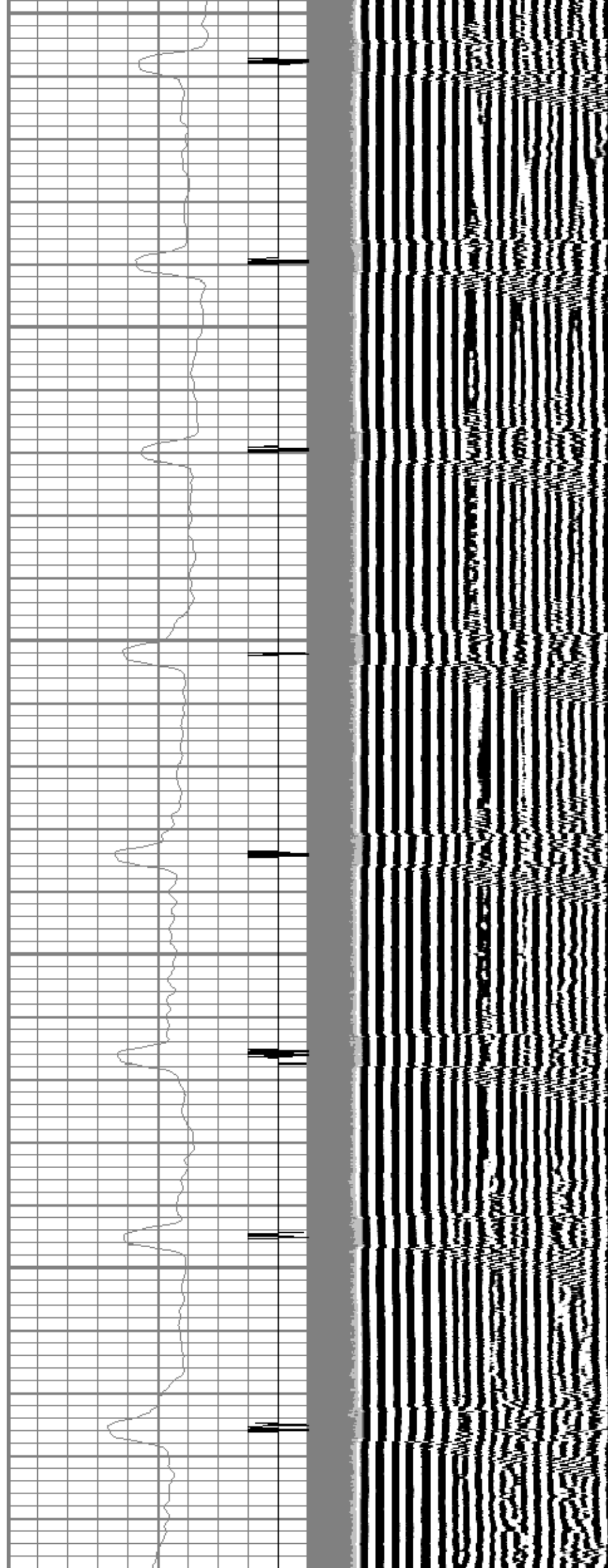
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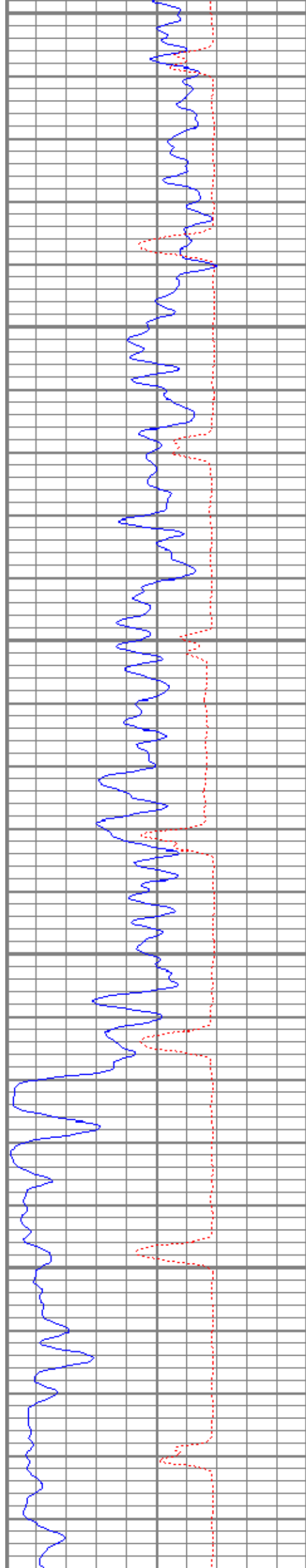
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600

650

700





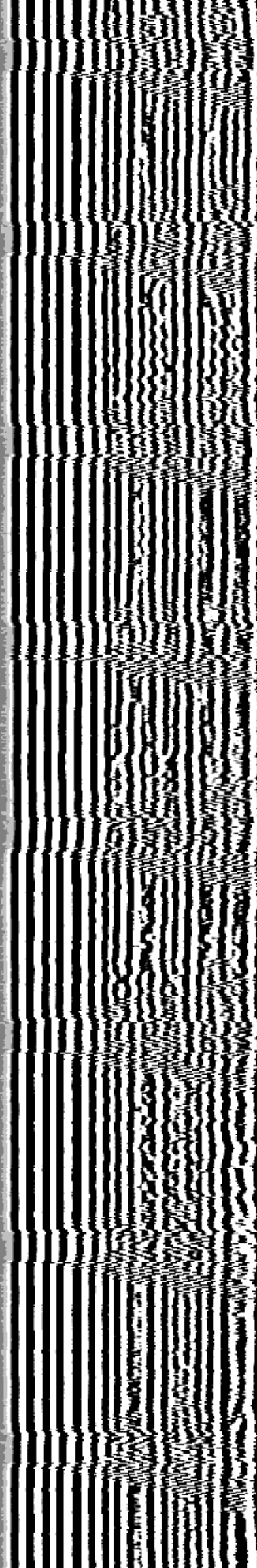
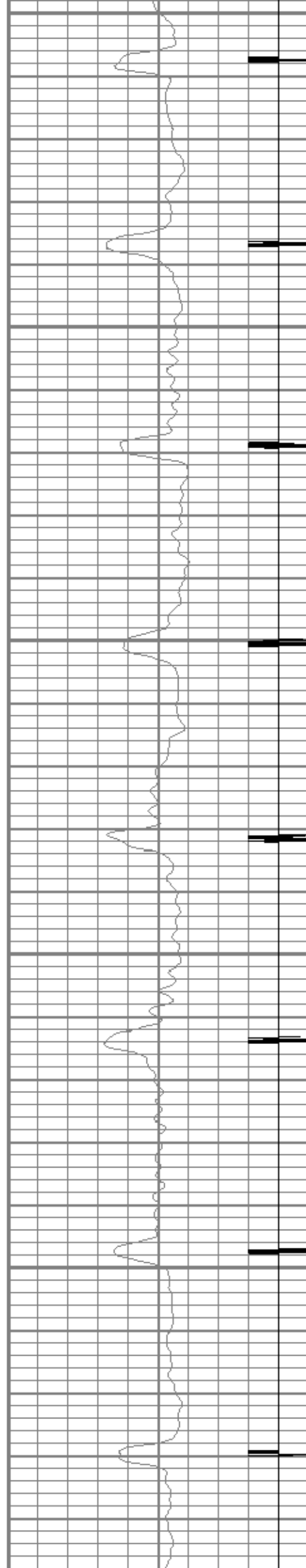
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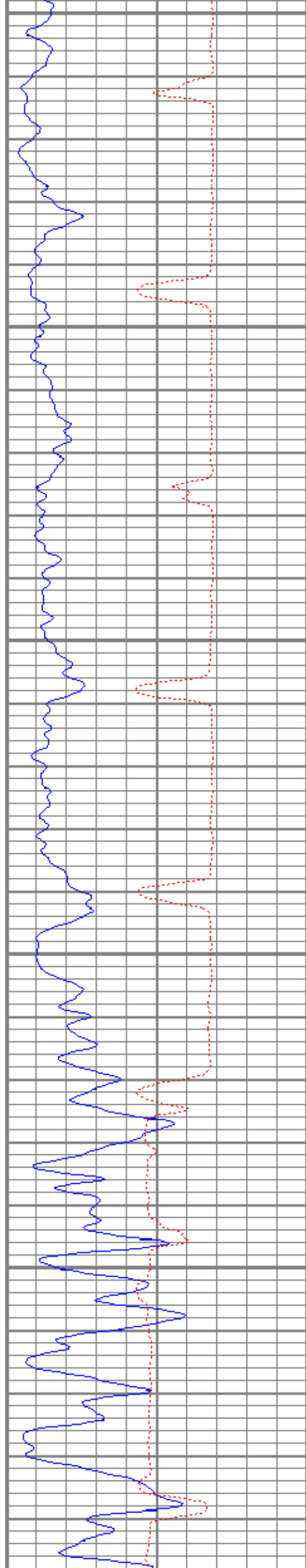
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850

900

950





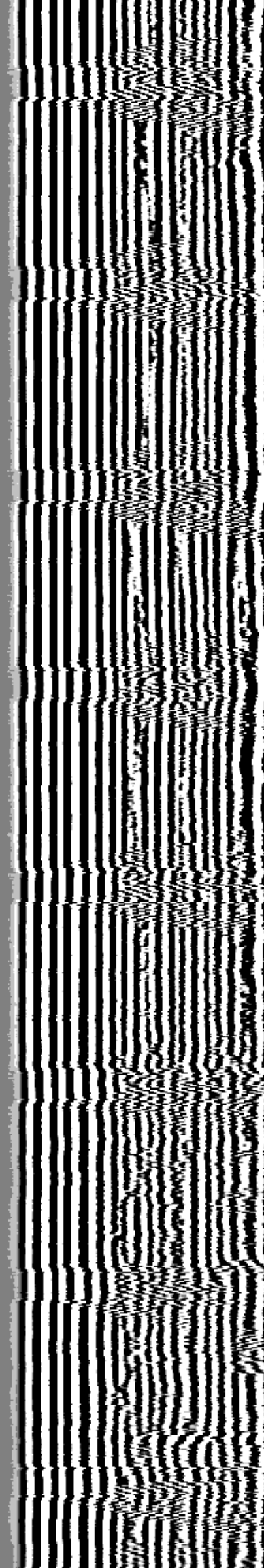
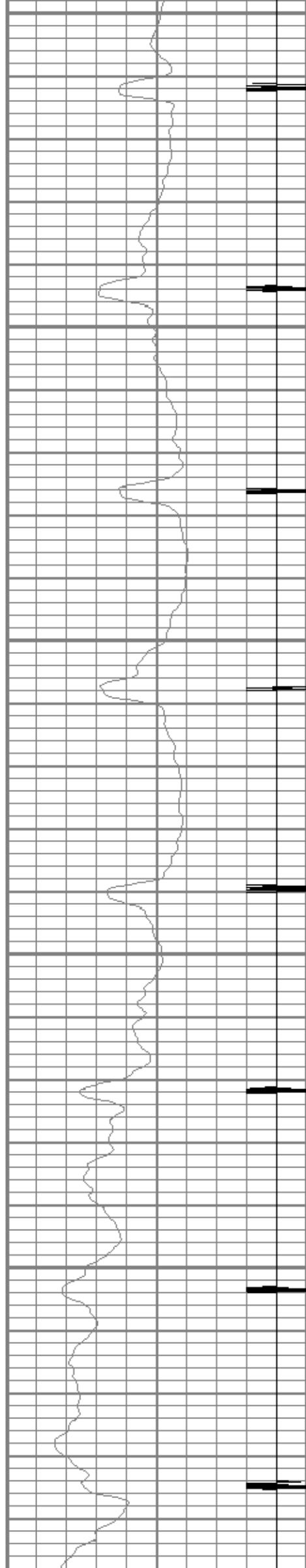
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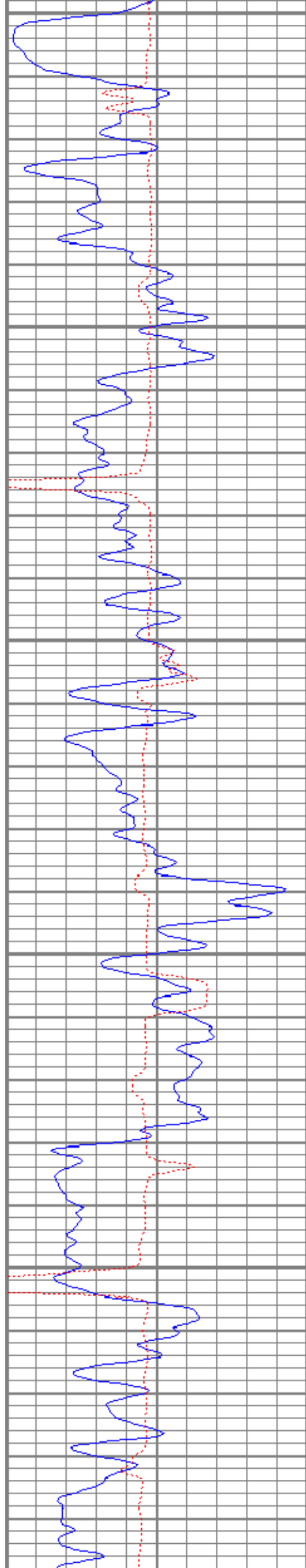
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1100

1150

1200





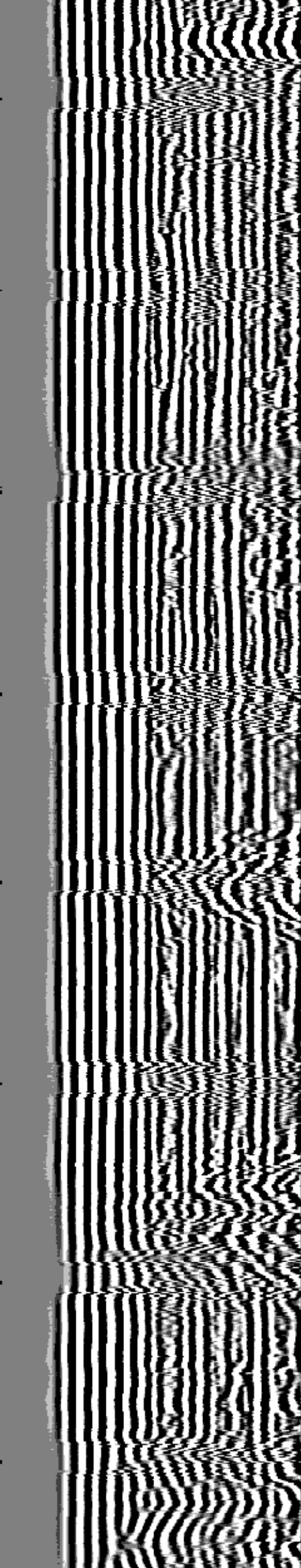
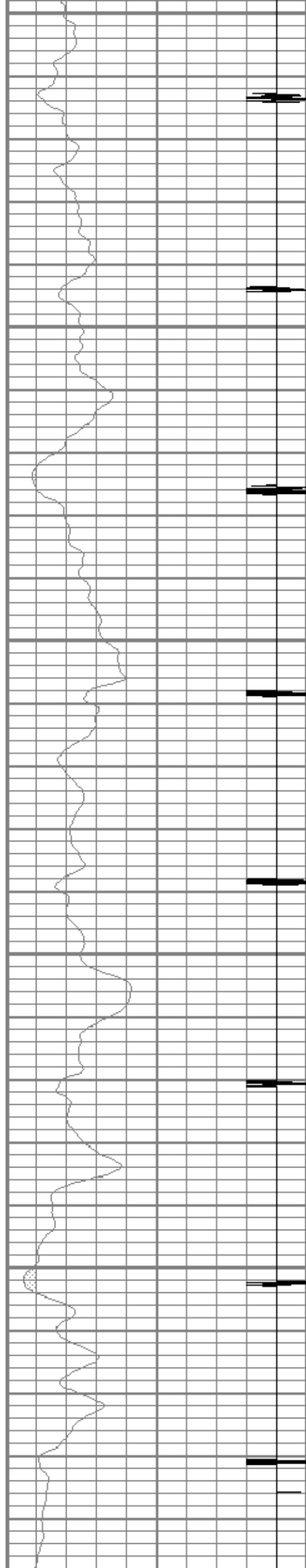
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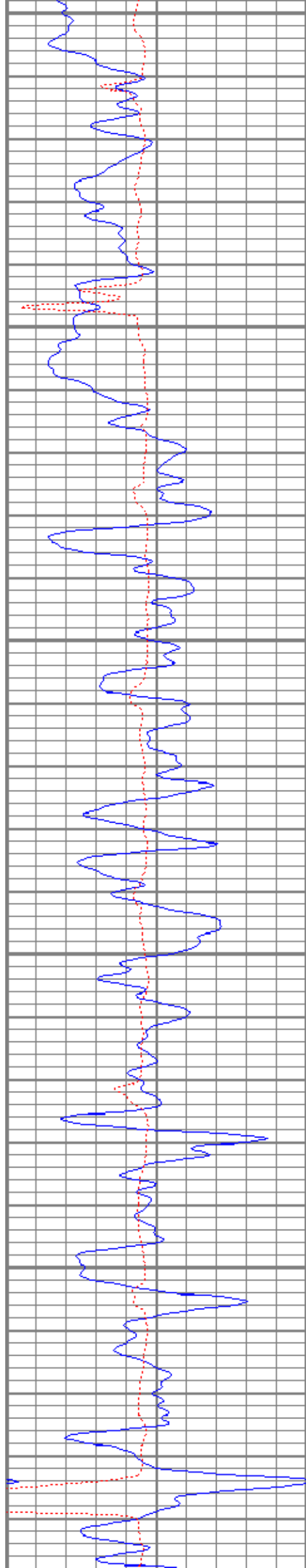
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1350

1400

1450





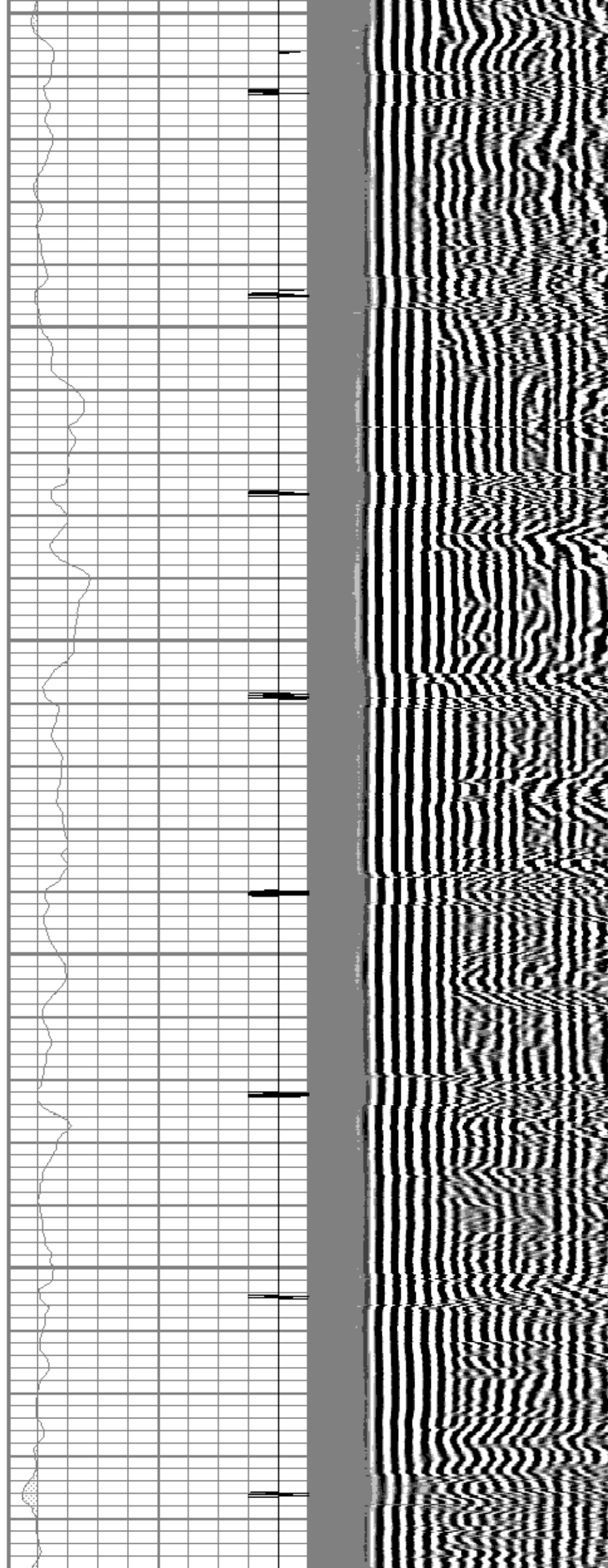
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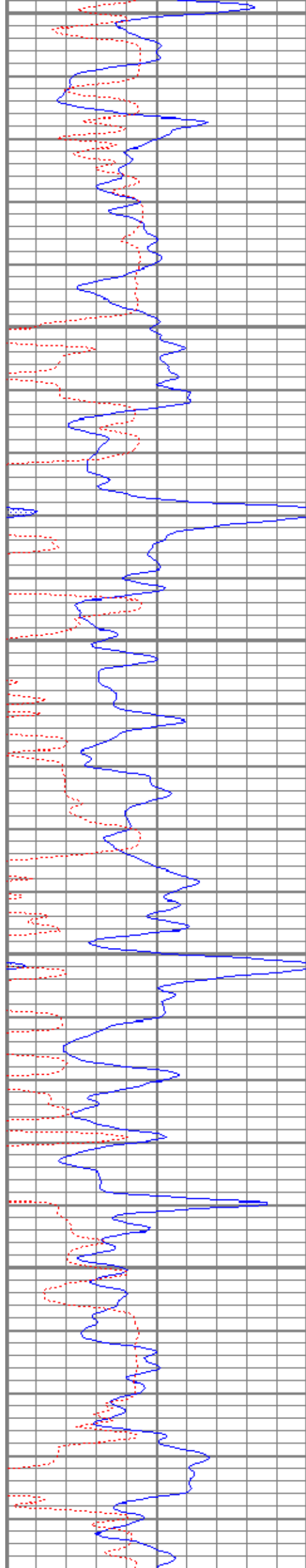
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1600

1650

1700





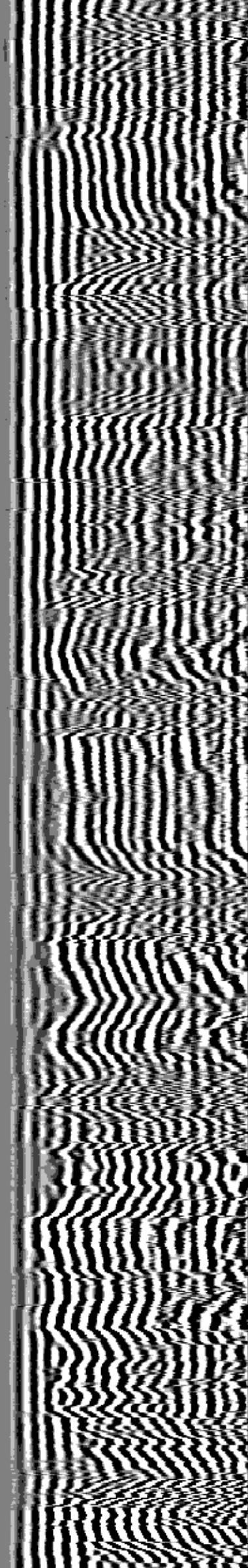
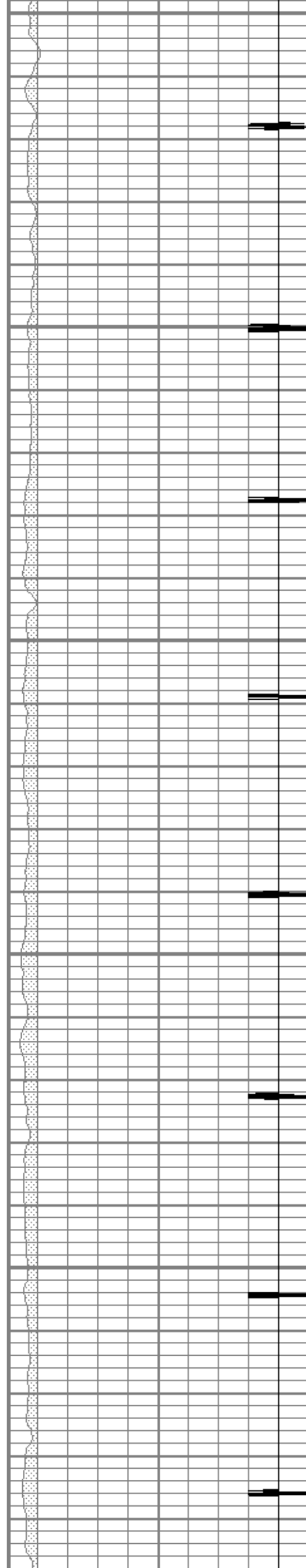
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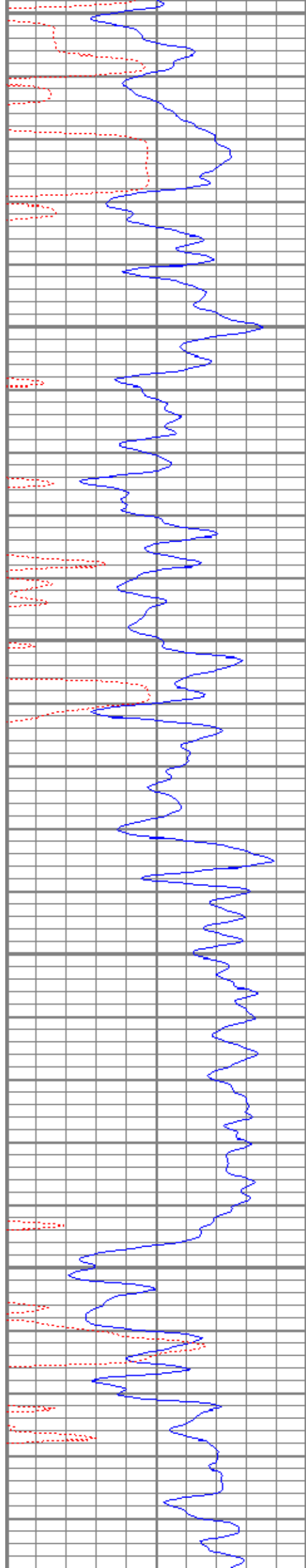
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1850

1900

1950





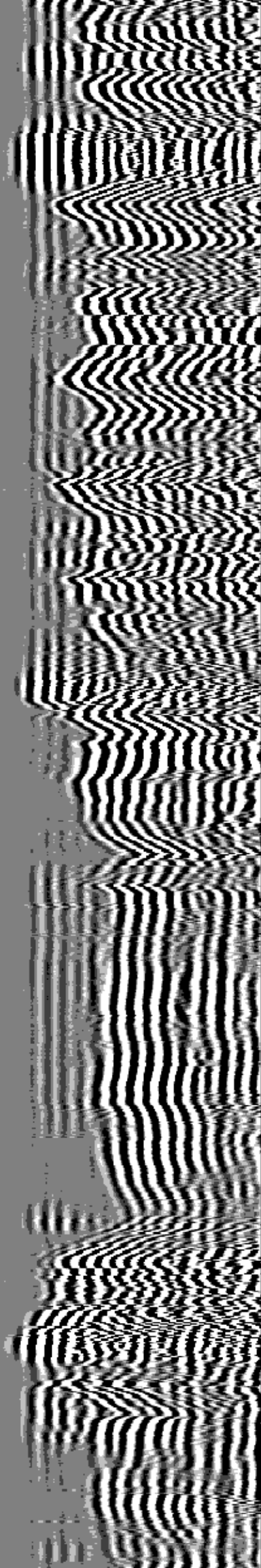
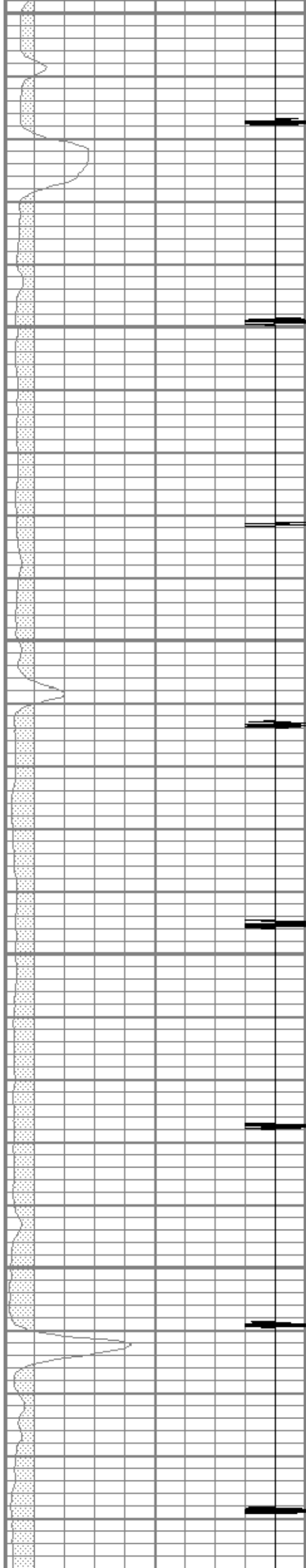
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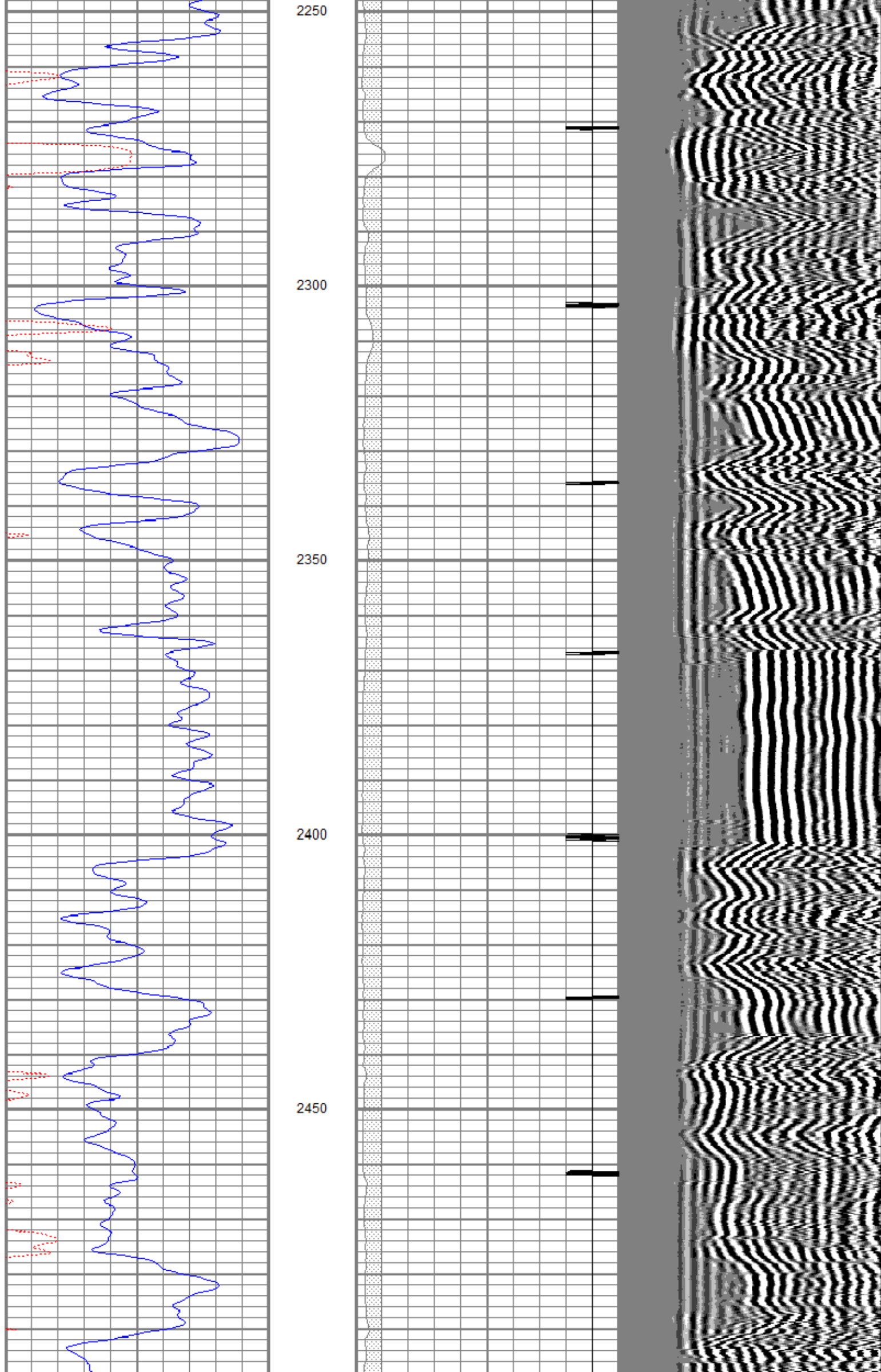
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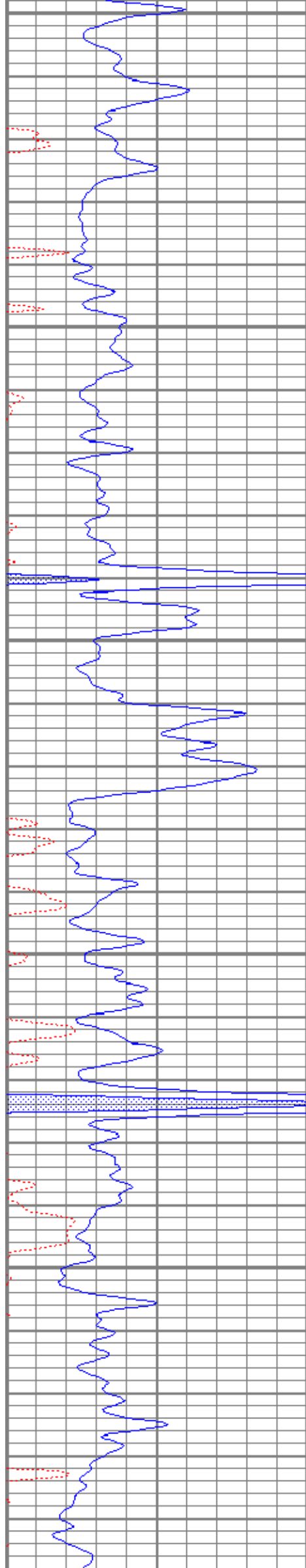
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2150

2200







2500

2550

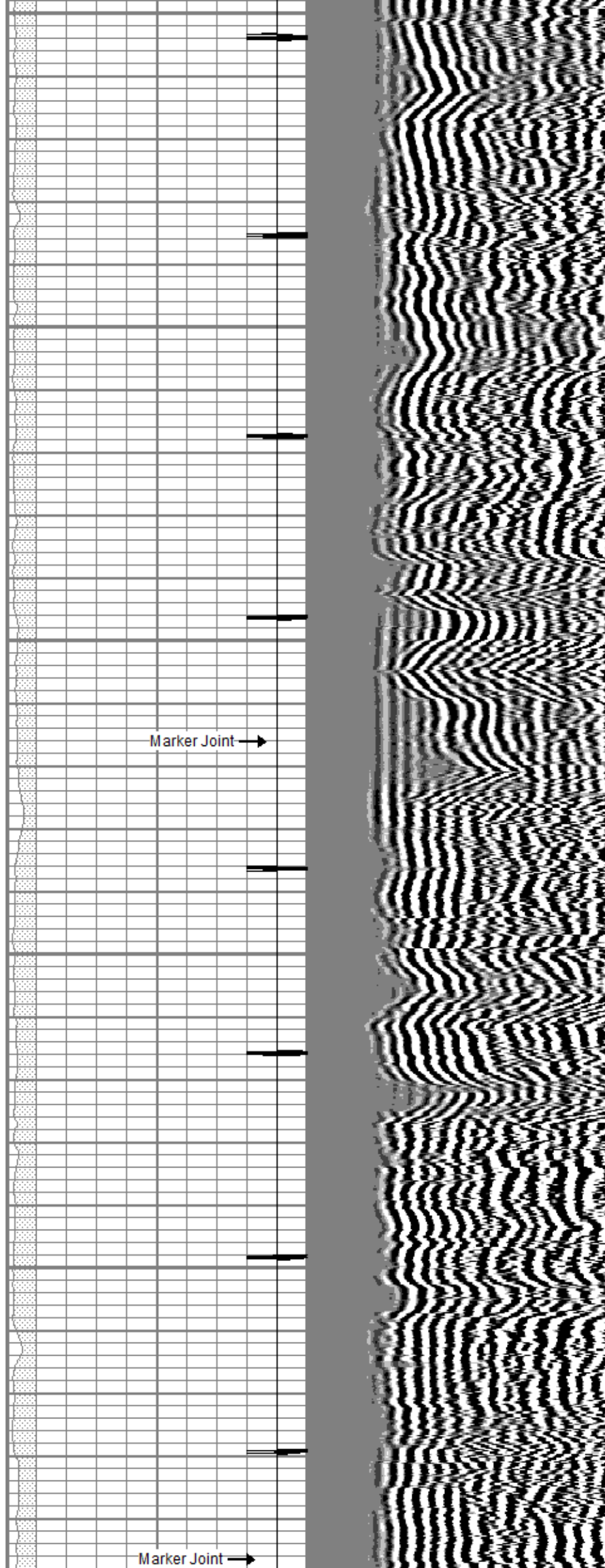
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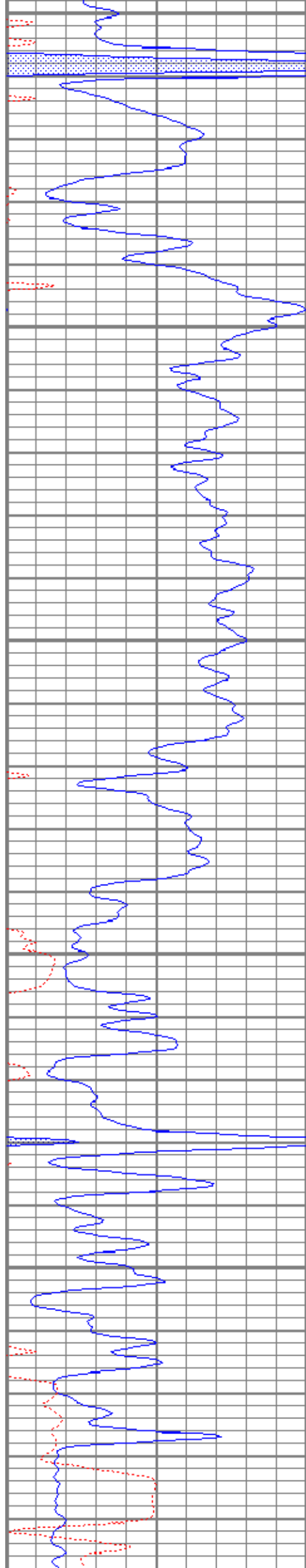
2650

2700

Marker Joint →

Marker Joint →





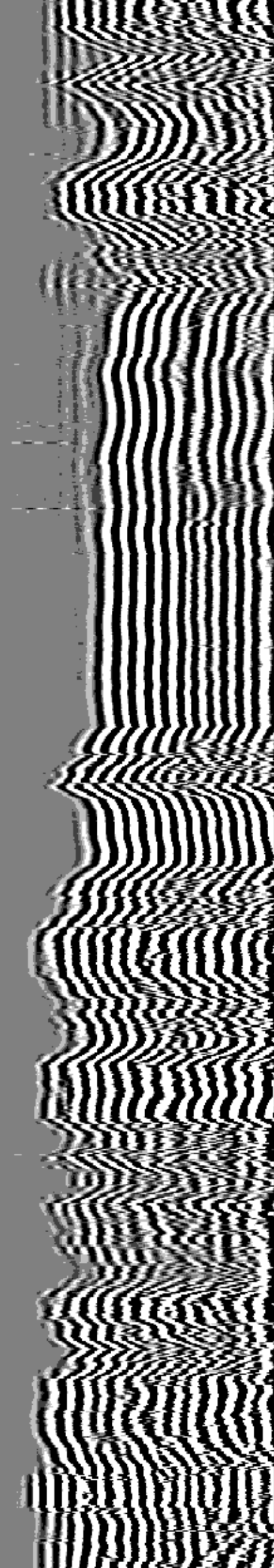
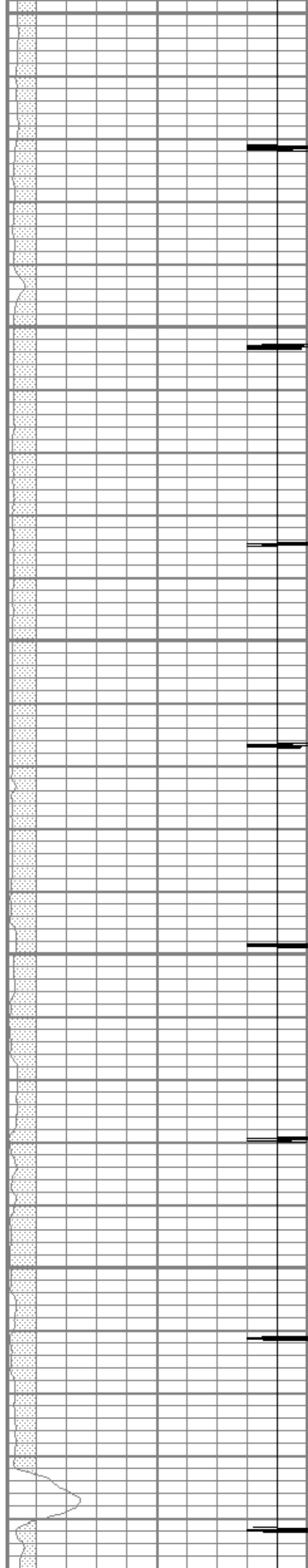
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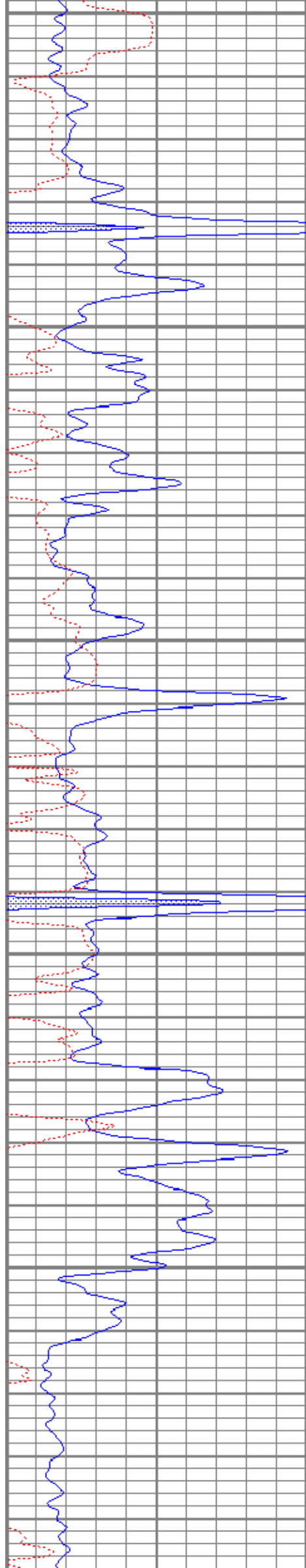
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2850

2900

2950





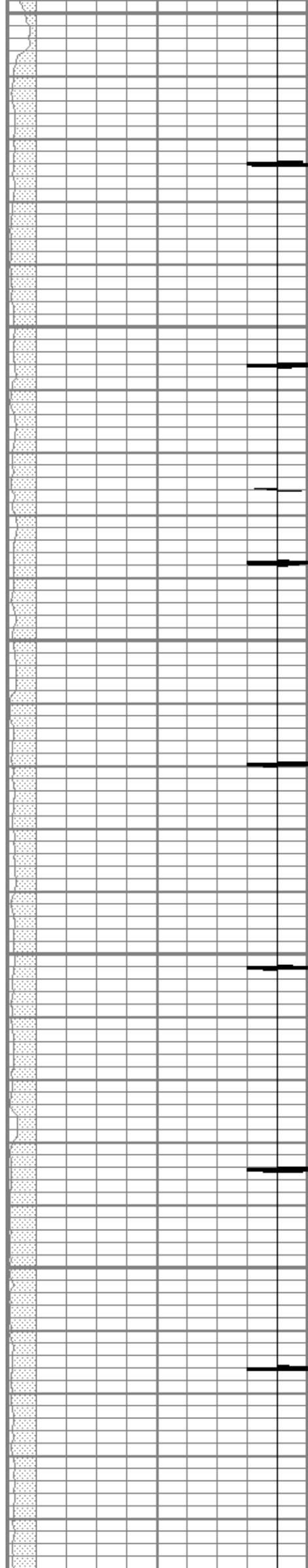
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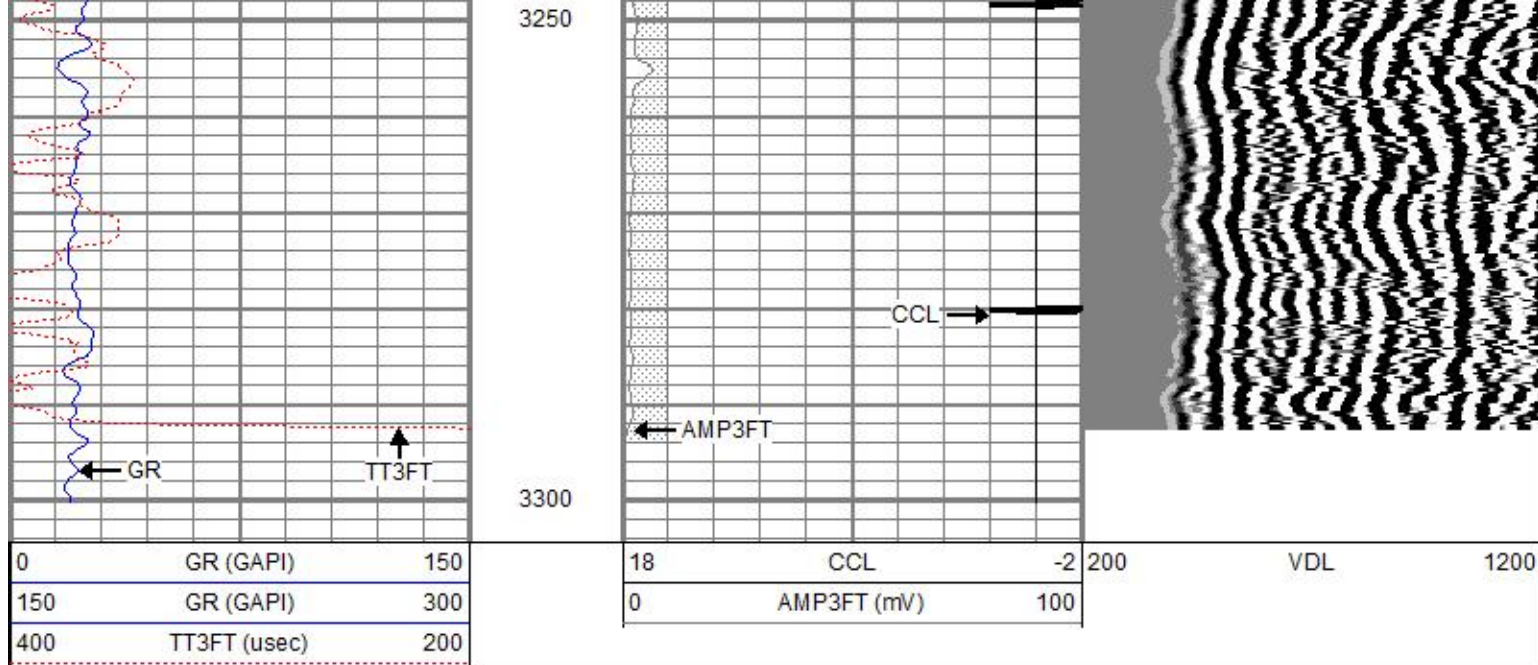
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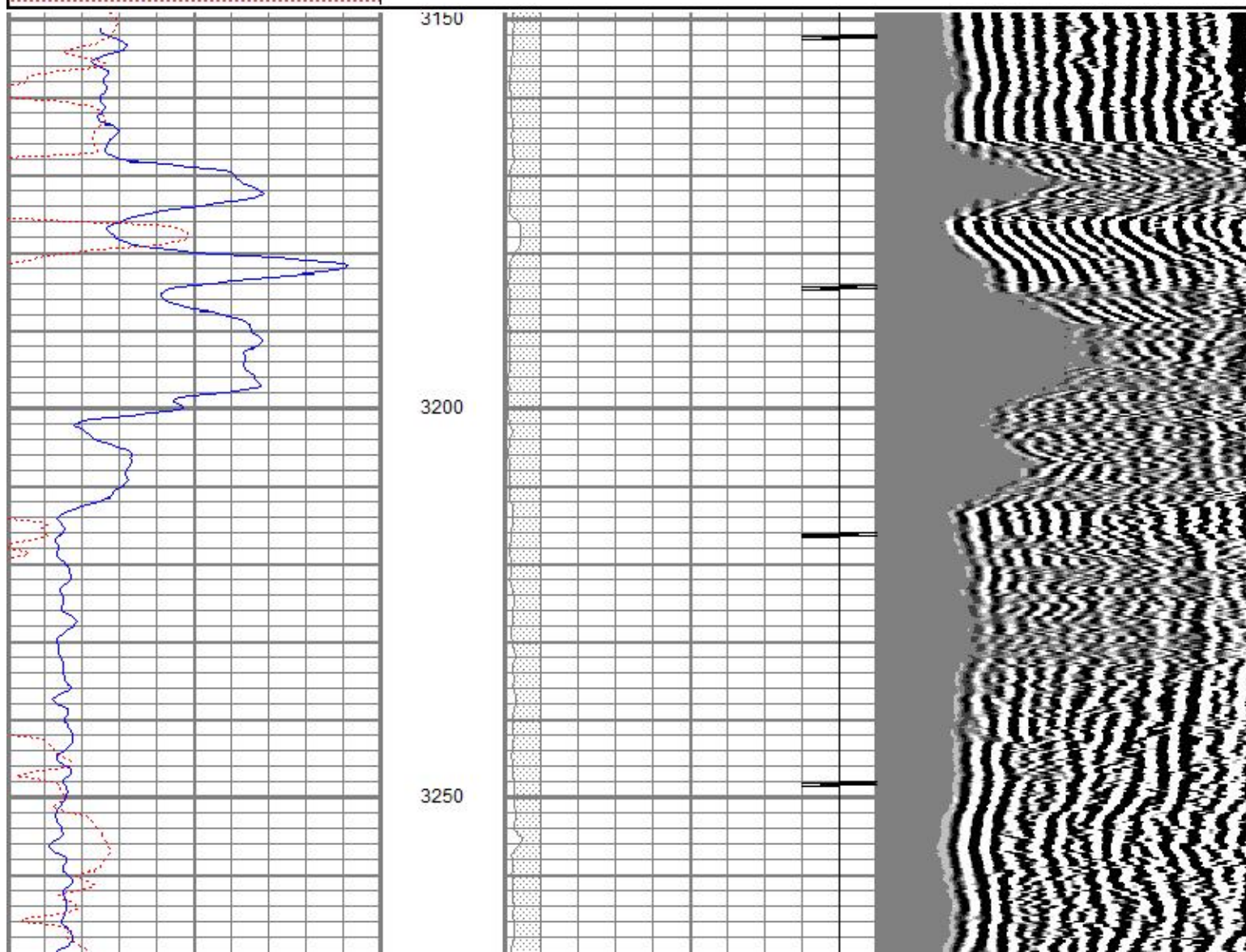
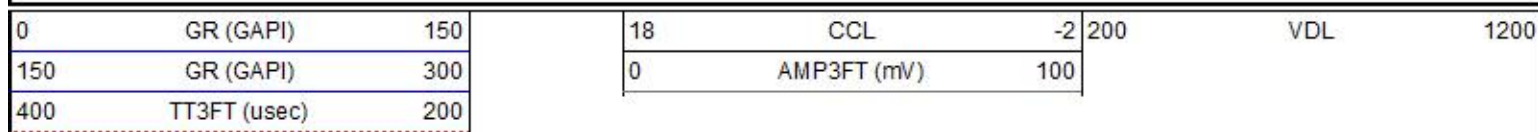
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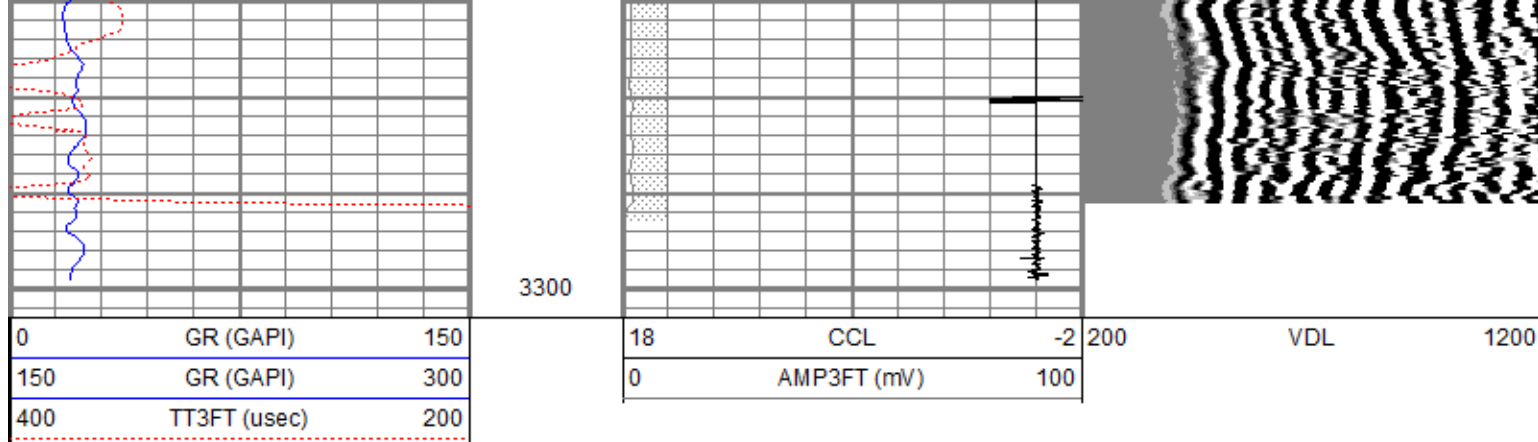




Repeat Section

Database File crwesseler#5cbl.db
 Dataset Pathname pass1
 Presentation Format cbl
 Dataset Creation Wed Jan 20 12:47:13 2016
 Charted by Depth in Feet scaled 1:240





Calibration Report		
Database File	crwesseler#5cbl.db	
Dataset Pathname	pass2	
Dataset Creation	Wed Jan 20 12:55:18 2016	

Gamma Ray Calibration Report		
Serial Number:	080611	
Tool Model:	P2	
Performed:	Tue Mar 10 09:35:59 2015	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.9500	GAPI/cps

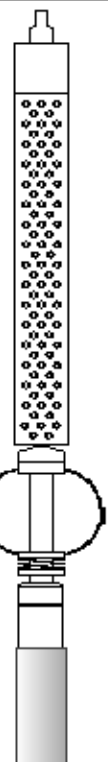
Segmented Cement Bond Log Calibration Report		
Serial Number:	G	
Tool Model:	DigitalCBL	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	69.757	ft

Master Calibration, performed Wed Jan 20 12:25:32 2016:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.007	1.639	1.000	71.921	43.437	0.710
CAL						
5'	0.007	1.596	1.000	71.921	44.633	0.700
SUM						
S1						
S2						
S3						
S4						
S5						
S6						
S7						
S8						

Internal Reference Calibration, performed (Not Performed):						
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL						

Air Zero Calibration, performed Tue Jan 05 12:41:08 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
S2
S3
S4
S5
S6
S7
S8

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
CHD	16.95		CHD-sdschd	0.75	1.44	3.00
WVF5FT WVF3FT	11.69 11.69		Probedig-DigitalCBL (G) 2 3/4 Bond Tool	8.77	2.75	92.00
CENT	7.44		CENT-275 2 3/4" Centralizer	2.94	2.75	10.00
CCL	3.67		CCL-Probe (080611)	1.42	2.75	20.00
GR	0.89		GR-P2 (080611) Sensor in Bottom	3.08	2.75	20.00
Dataset: crwesseler#5cbl.db: field/well/run1/pass2 Total length: 16.95 ft Total weight: 145.00 lb O.D.: 2.75 in						