



BOREHOLE COMPENSATED SONIC LOG

Company John O. Farmer, Inc.

Well Schroeder Unit #1

Field Wildcat

County Thomas

State KS

Location:

API #: 15 193 20965

165' FNL & 2135' FWL

SEC 14 TWP 6S RGE 33W

Permanent Datum Ground Level Elevation 3088'
Log Measured From KB 8' AGL
Drilling Measured From KB

Other Services
DIL
CDNL
ML
Elevation
K.B. 3096'
D.F. 3095'
G.L. 3088'

Date 7-11-16

Run Number One

Depth Driller 4600'

Depth Logger 4600'

Bottom Logged Interval 4595'

Top Log Interval 400'

Casing Driller 263'

Casing Logger 263'

Bit Size 7 7/8"

Type Fluid in Hole Chemical Mud

Density / Viscosity 8.9/67

pH / Fluid Loss 9/9.6

Source of Sample Pit

Rm @ Meas. Temp 2.2@72degf

Rmf @ Meas. Temp 1.65@72degf

Rmc @ Meas. Temp 2.64@72degf

Source of Rmf / Rmc Calculated

Rm @ BHT 1.26@125degf

Time Circulation Stopped 5:30 p.m.

Time Logger on Bottom 10:15 p.m.

Maximum Recorded Temperature 125 degf

Equipment Number T127

Location Hays, KS.

Recorded By Gus Pfannenstiel

Witnessed By Mr. Austin Klaus

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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

North of Colby to CC Rd., East 4 miles

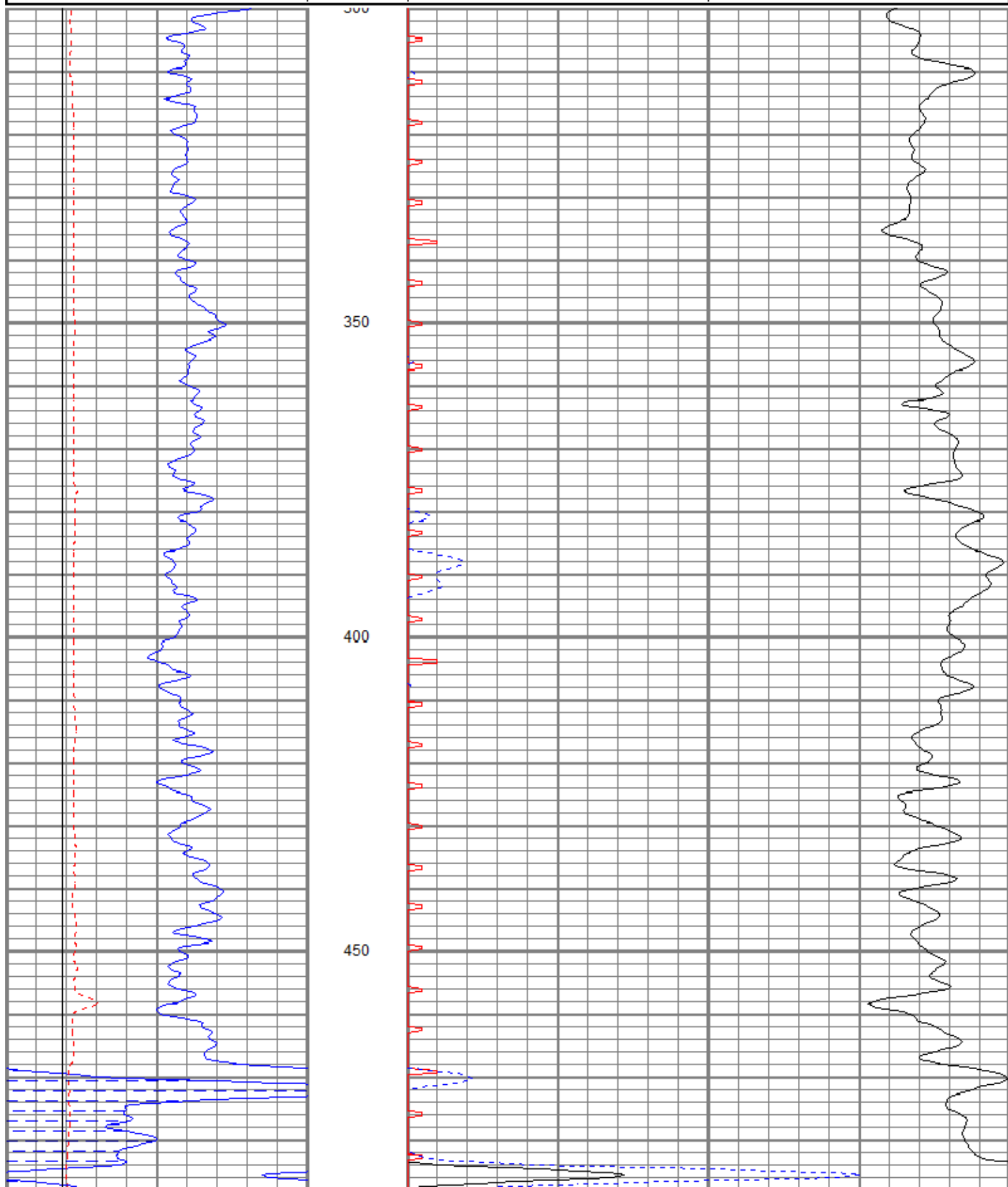
Thank you for using Gemini Wireline
785-625-1182

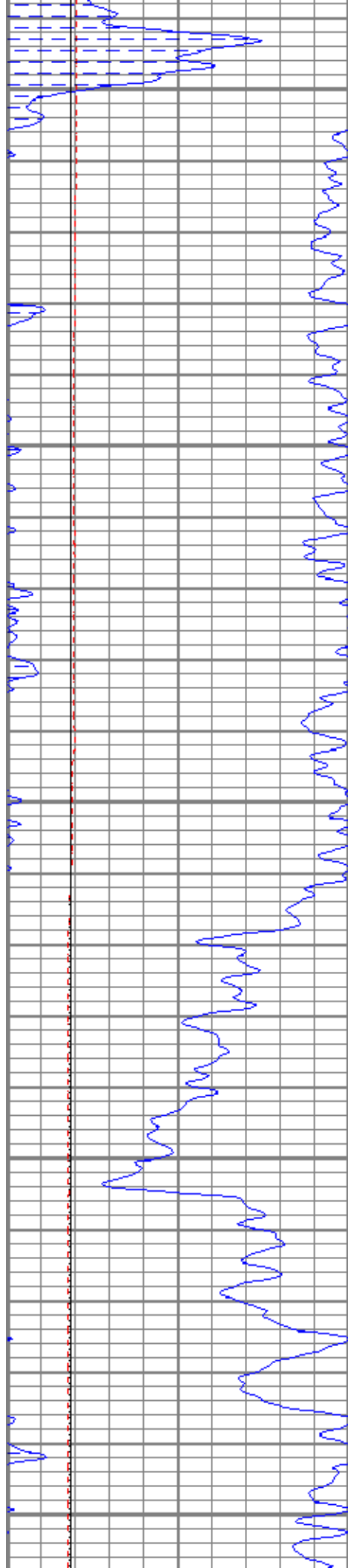


Main Pass

Database File jofschroederunit#1oh.db
Dataset Pathname pass7
Presentation Format kbc
Dataset Creation Mon Jul 11 22:53:58 2016
Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	140	DT (usec/ft)	40
6	MCAL (in)	16	30	SPOR (pu)	-10
6	BOREID (in)	16	0	ITT (msec)	20





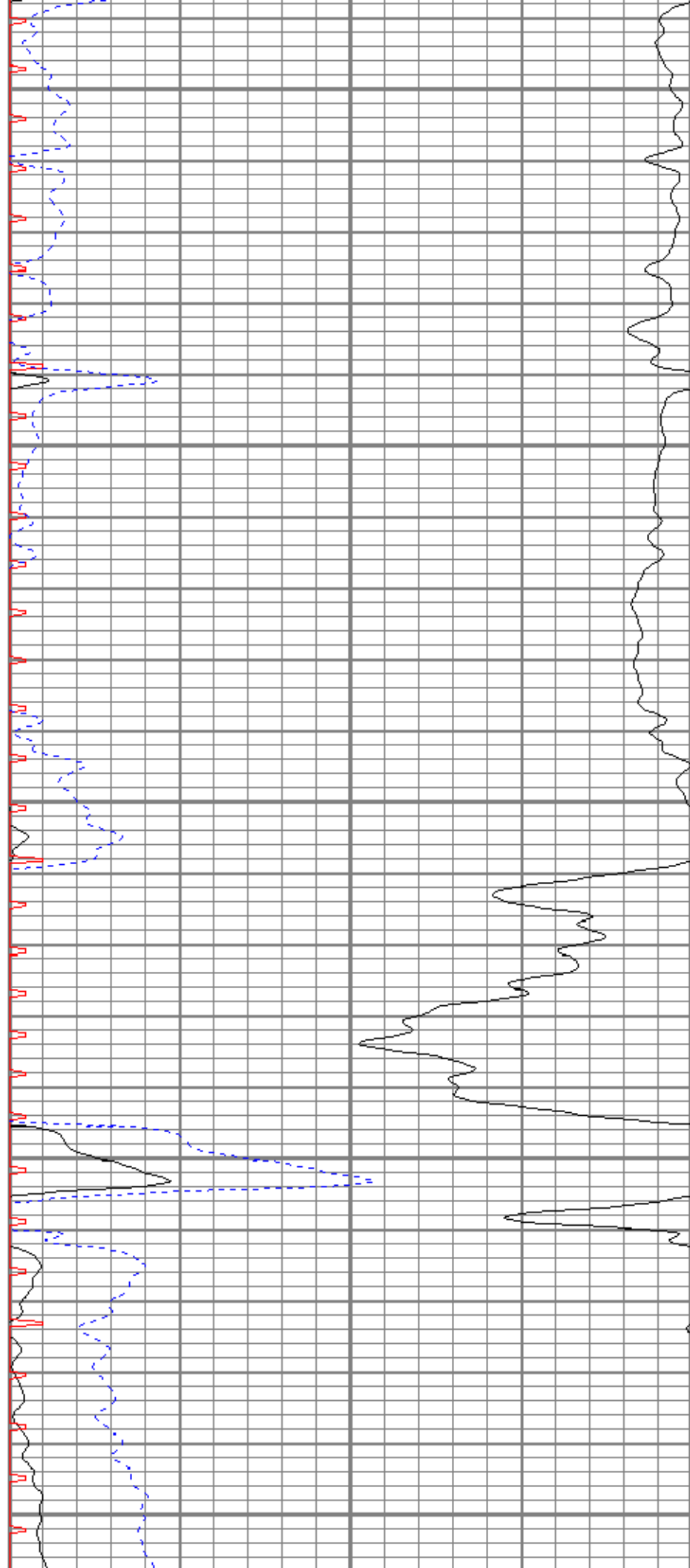
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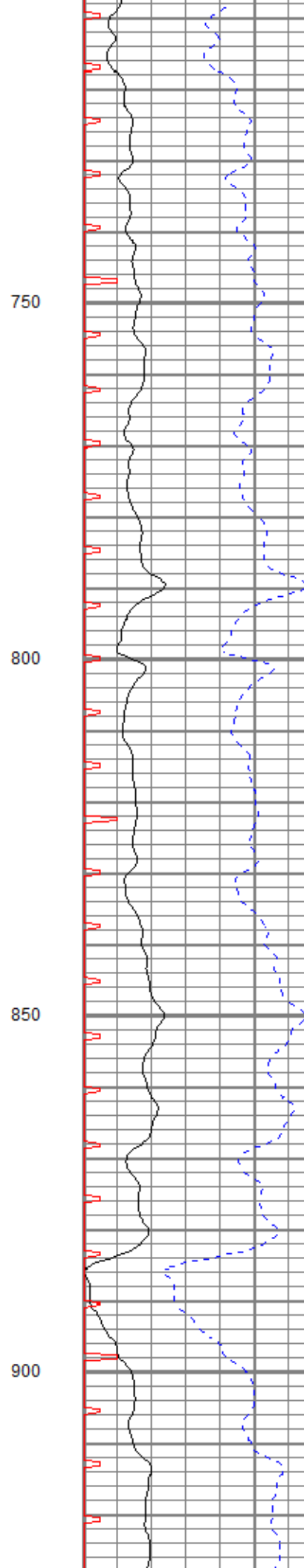
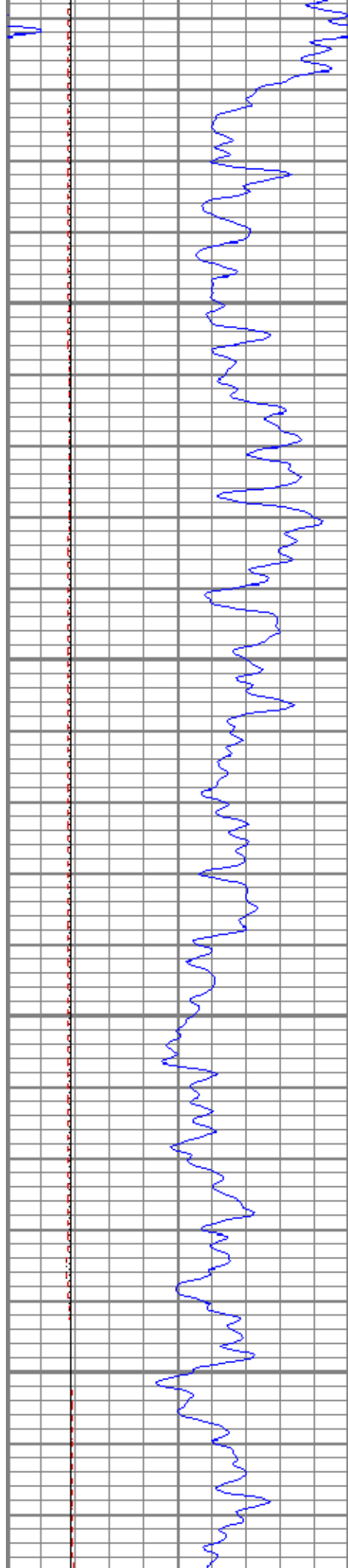
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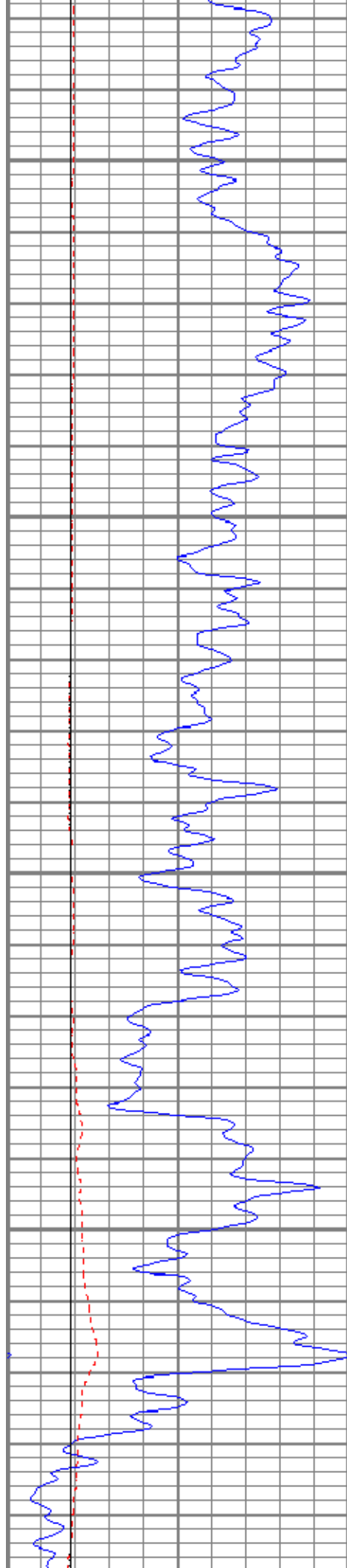
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650

700





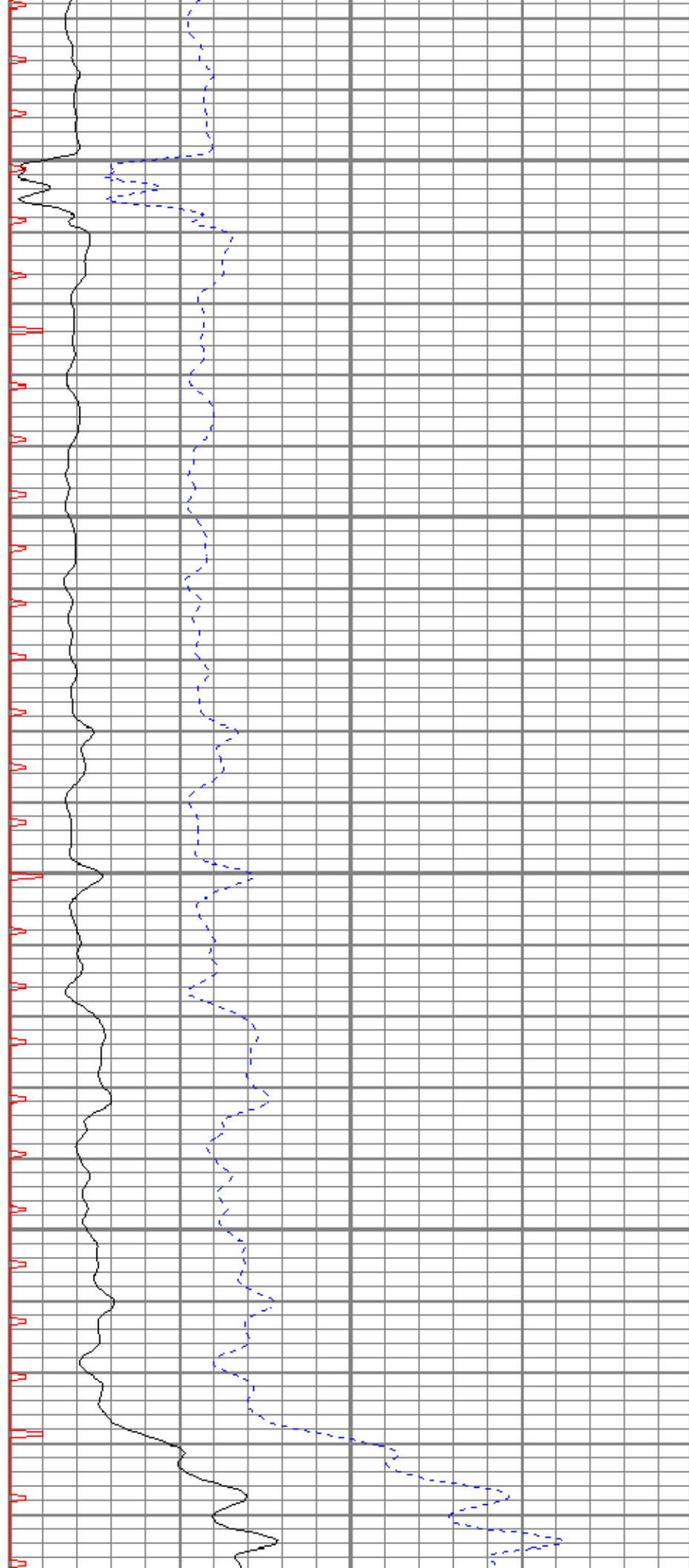


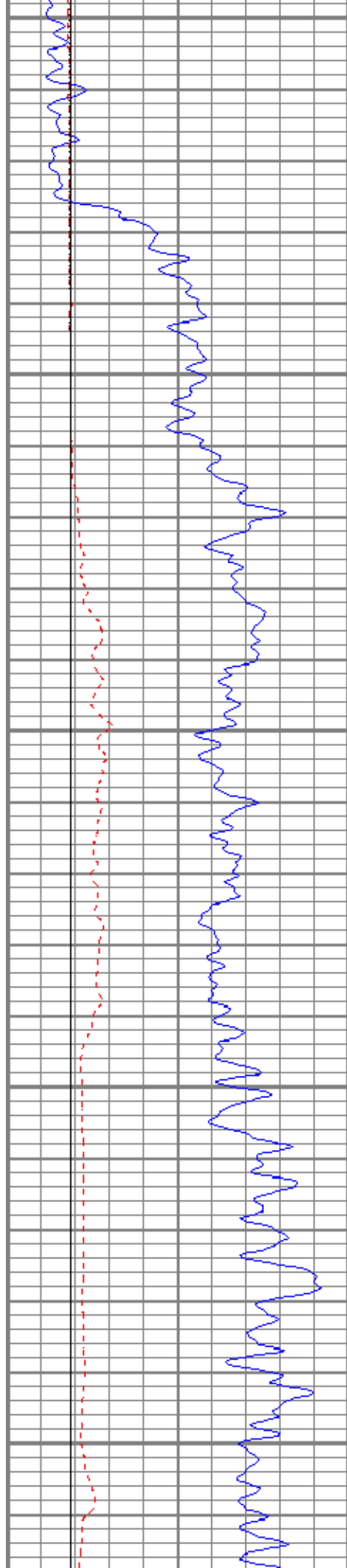
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1000

1050

1100





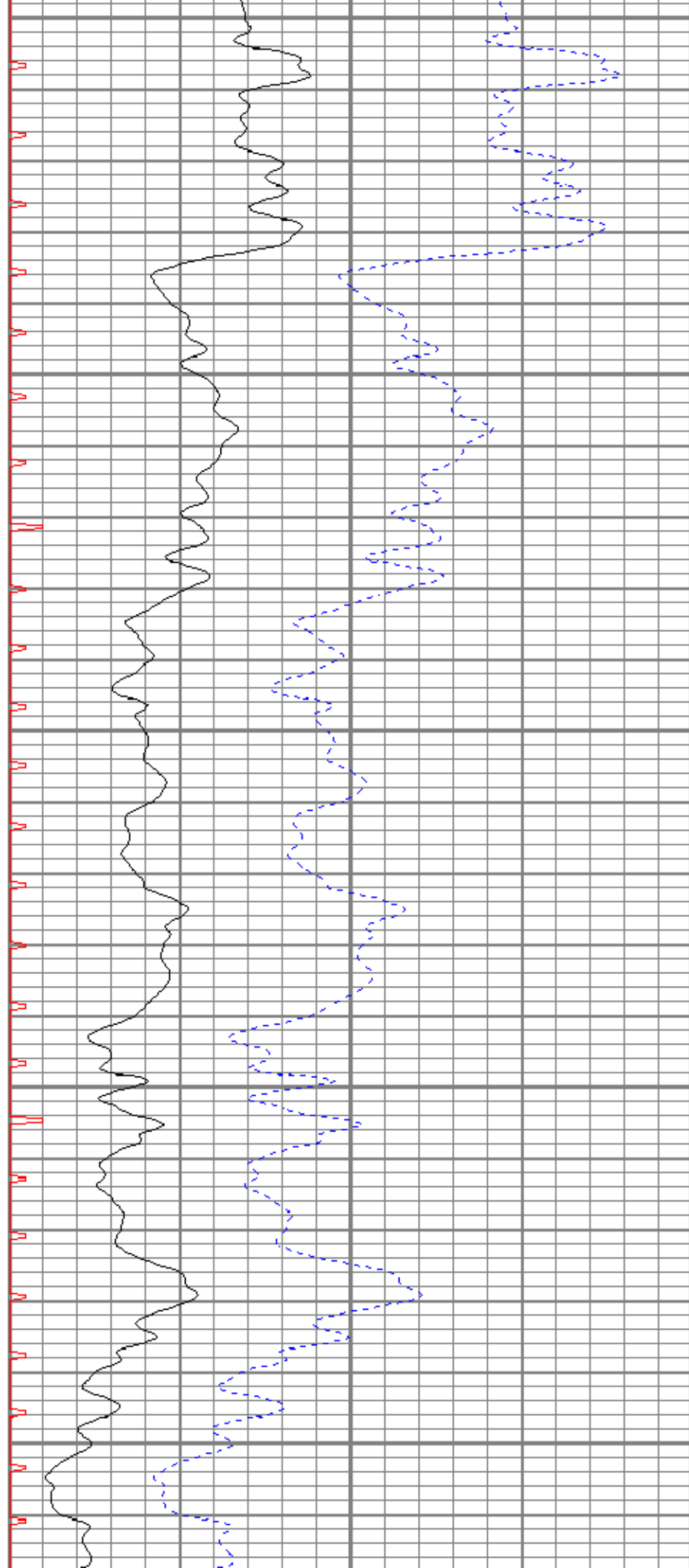
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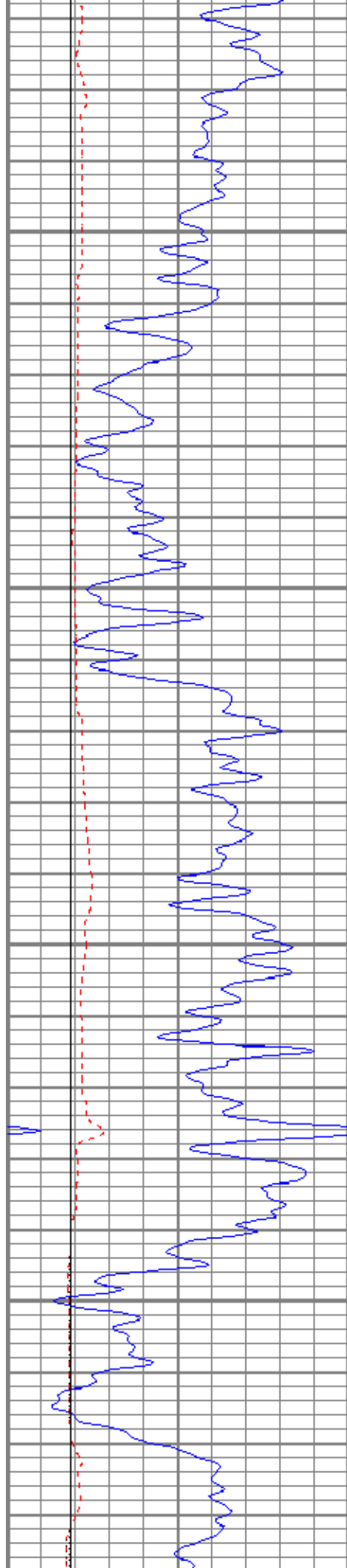
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1250

1300

1350



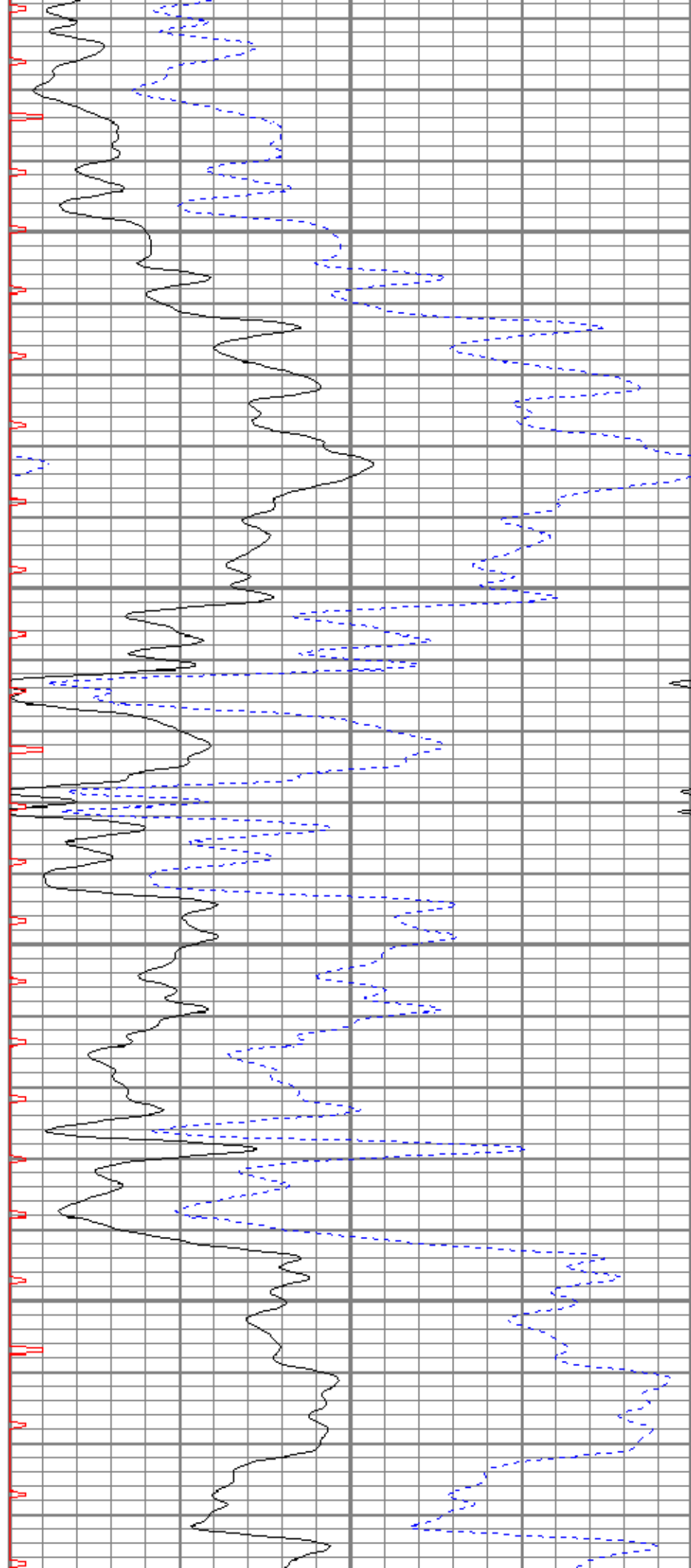


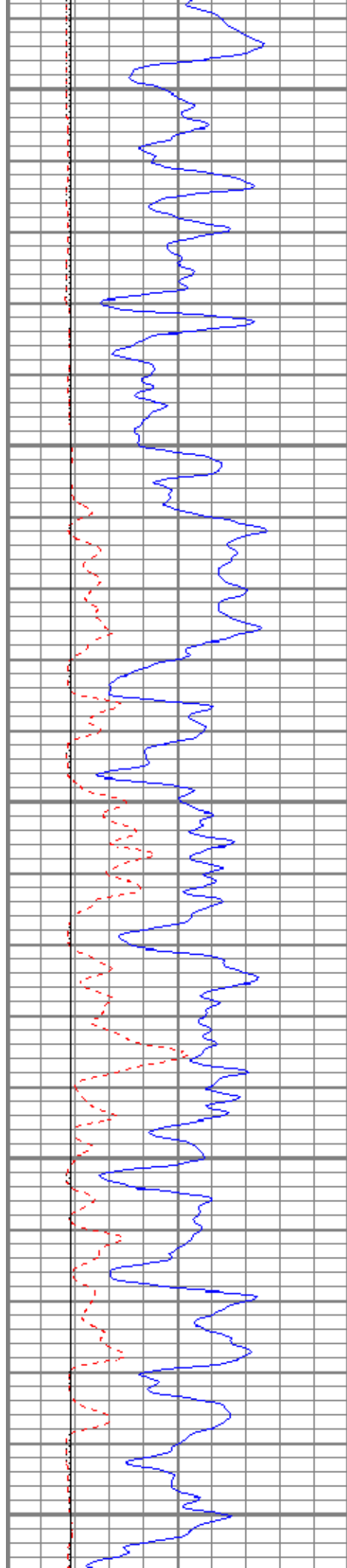
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1450

1500

1550





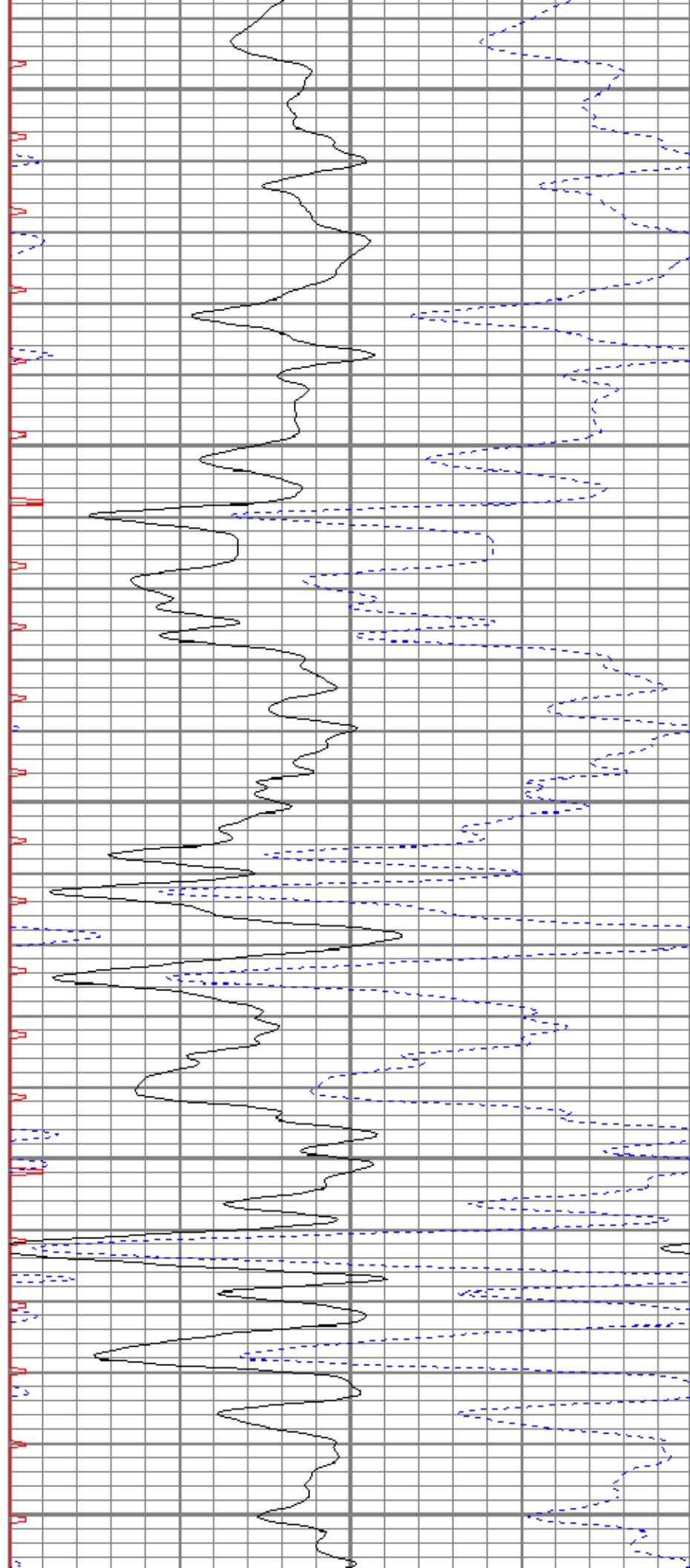
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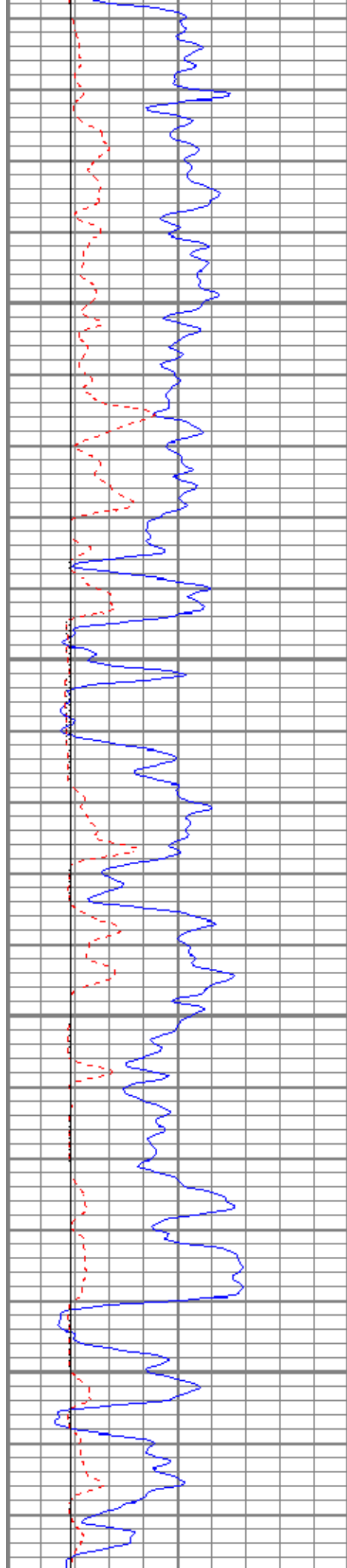
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1750

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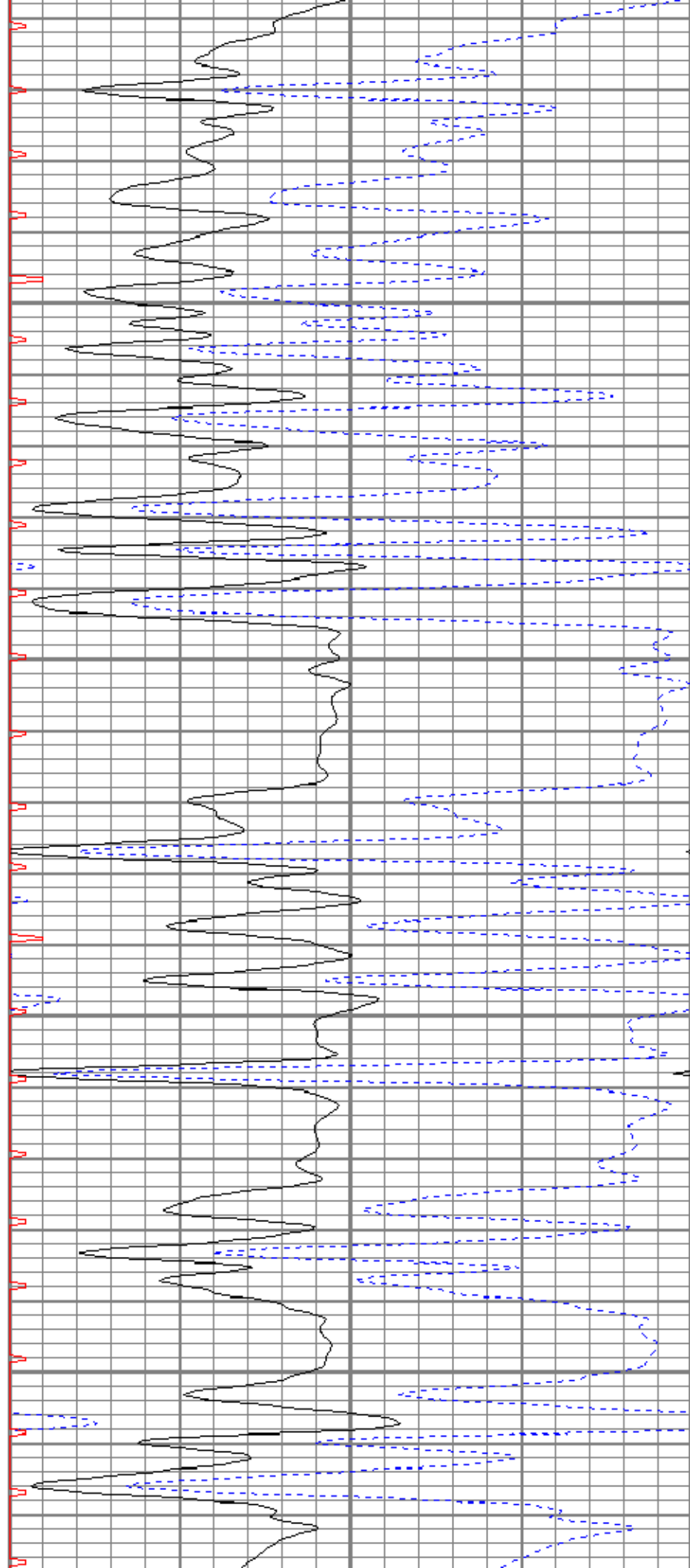


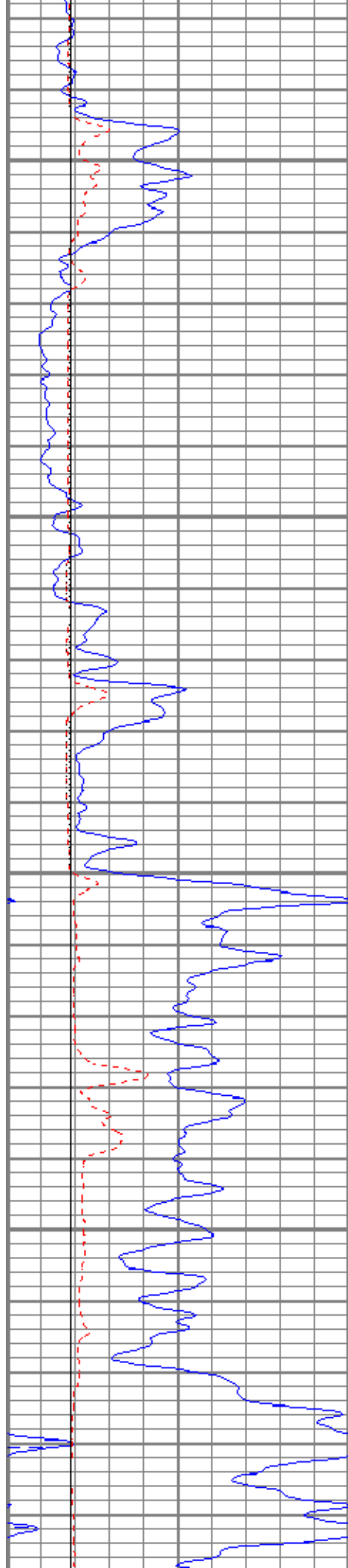
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1900

1950

2000



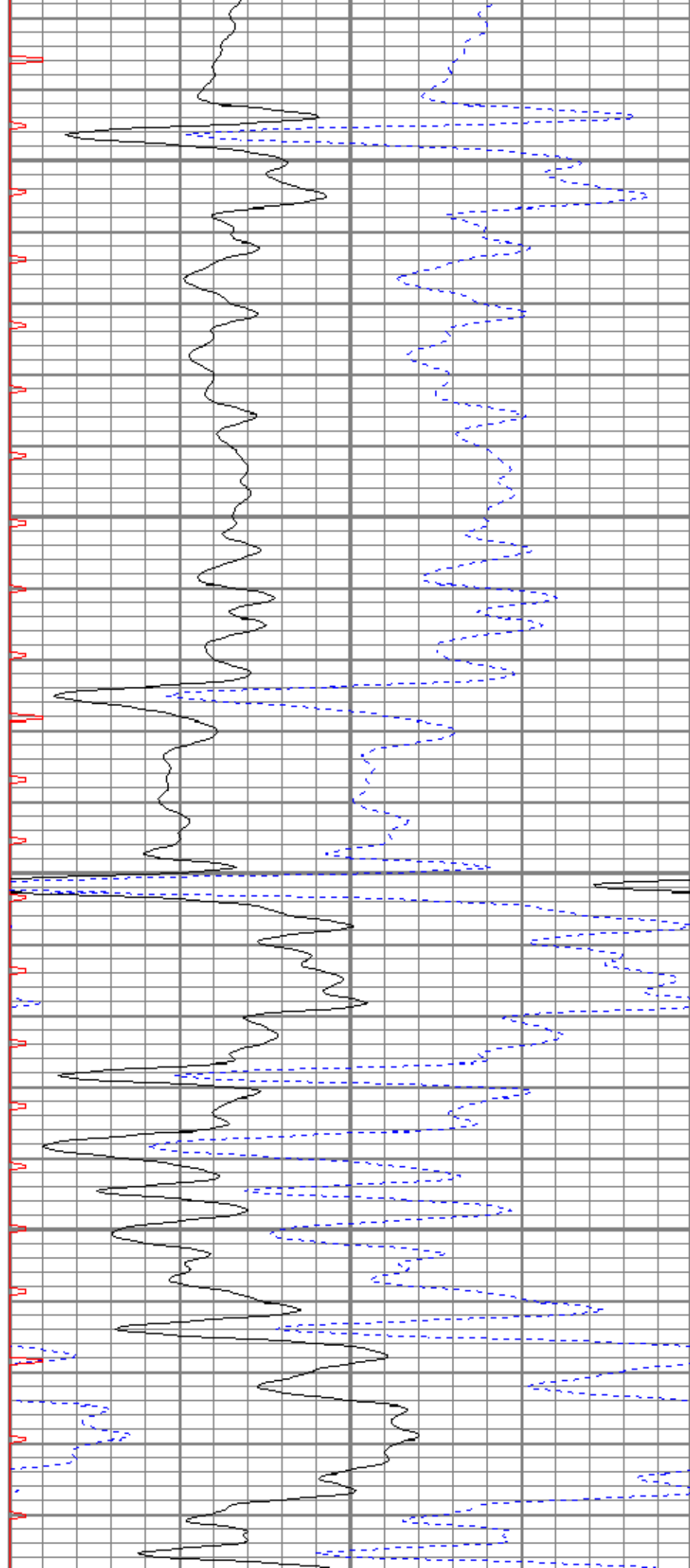


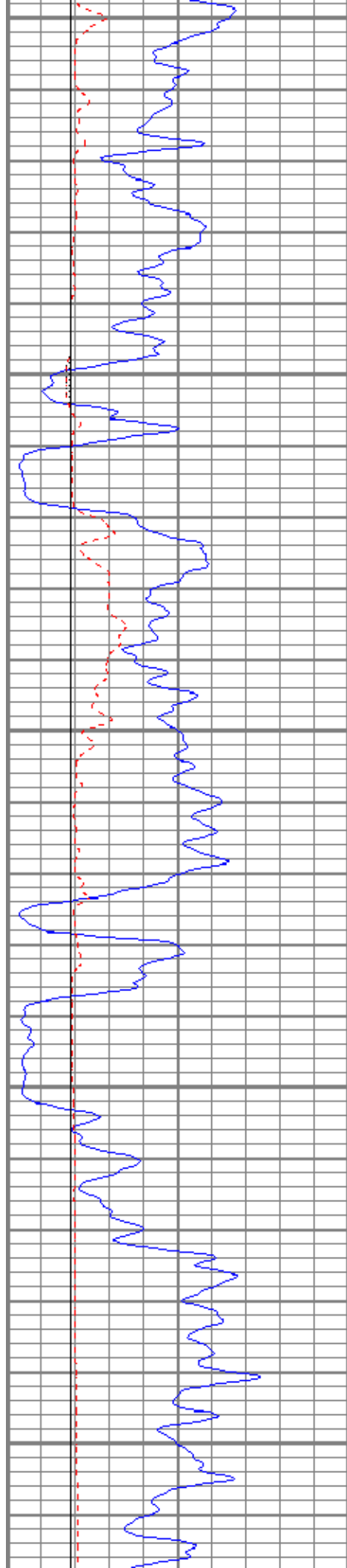
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2200





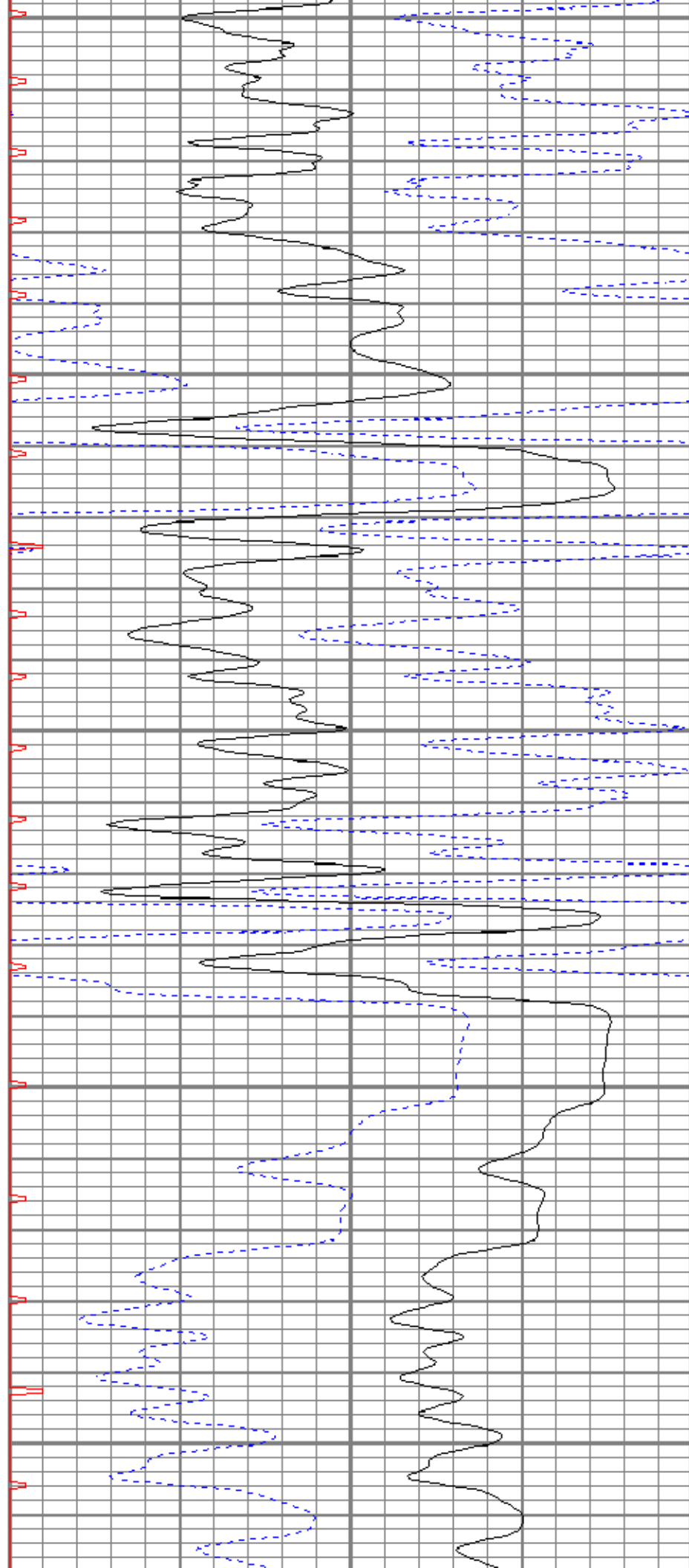
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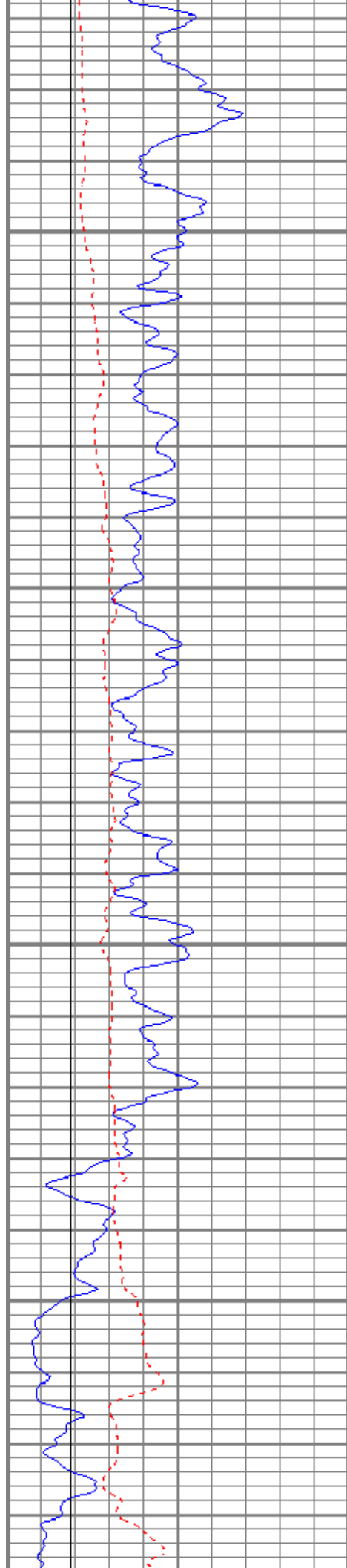
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2350

2400

2450



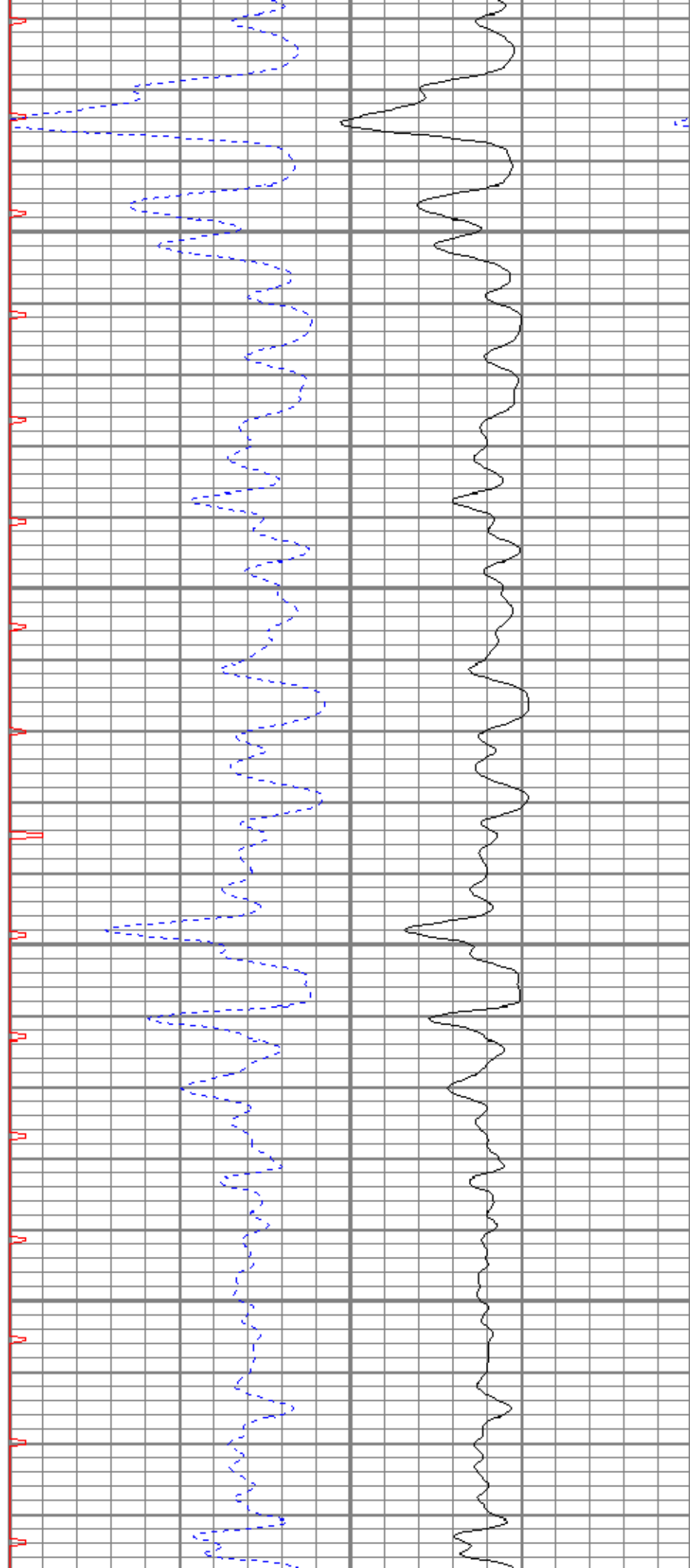


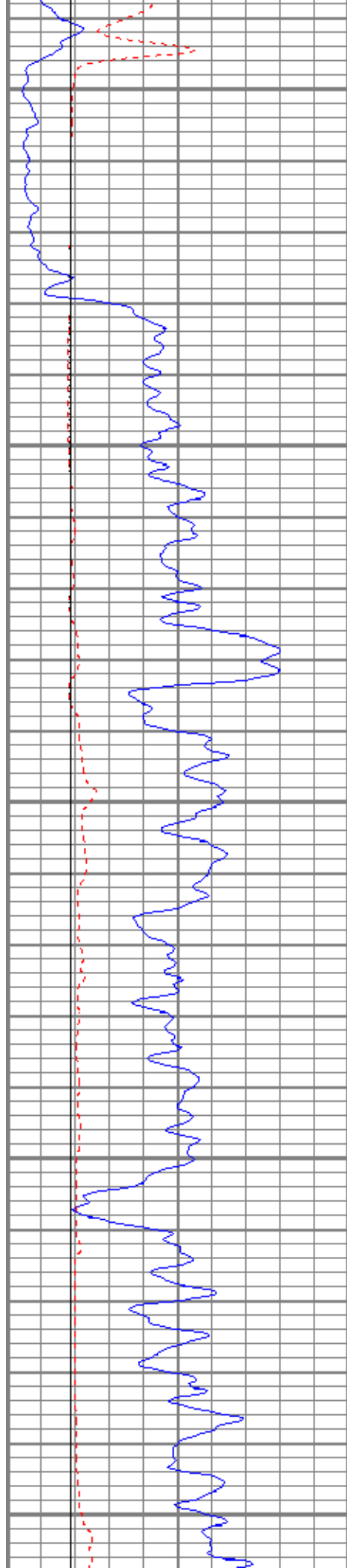
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2650





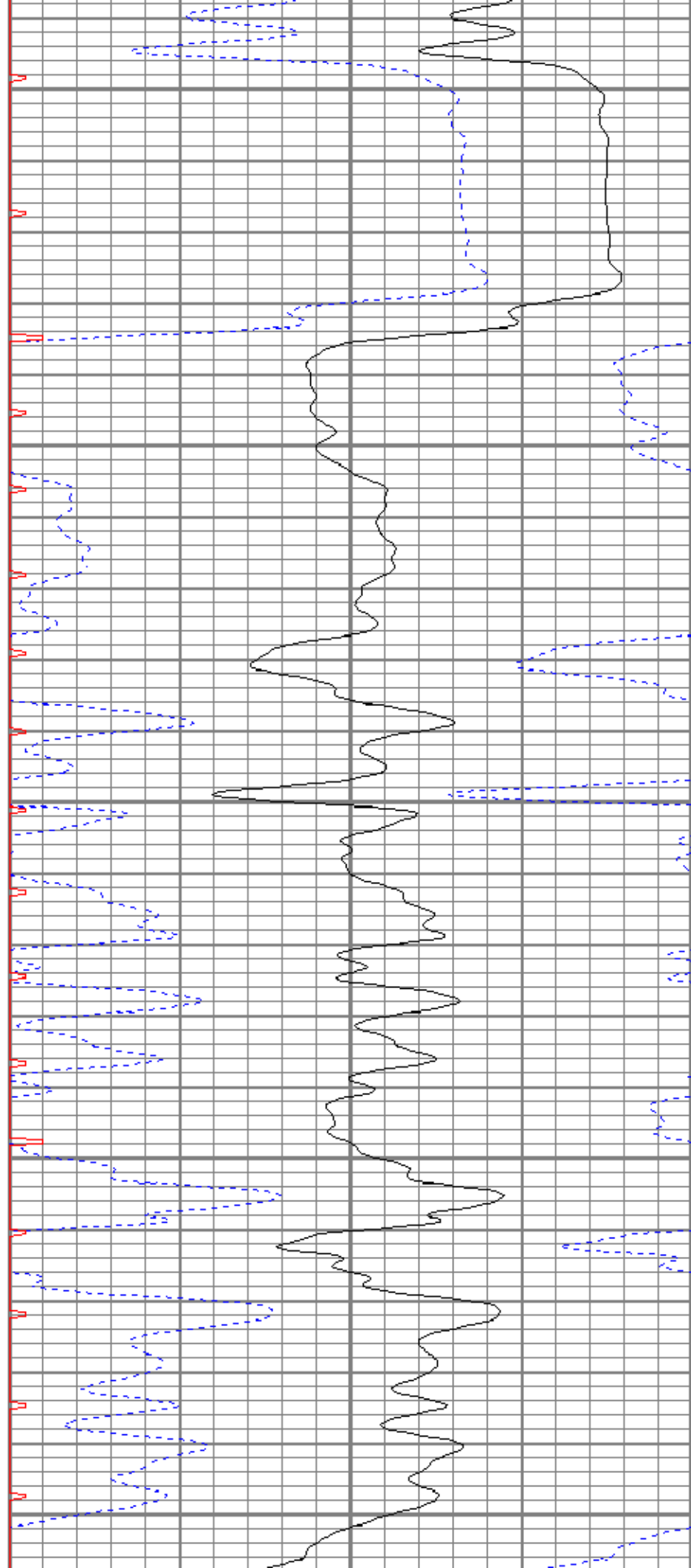
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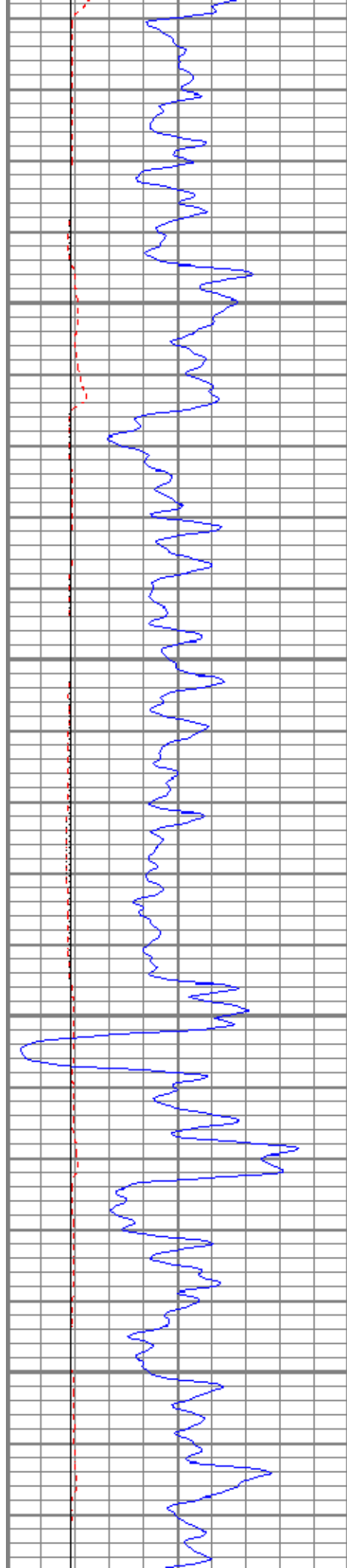
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2850

2900



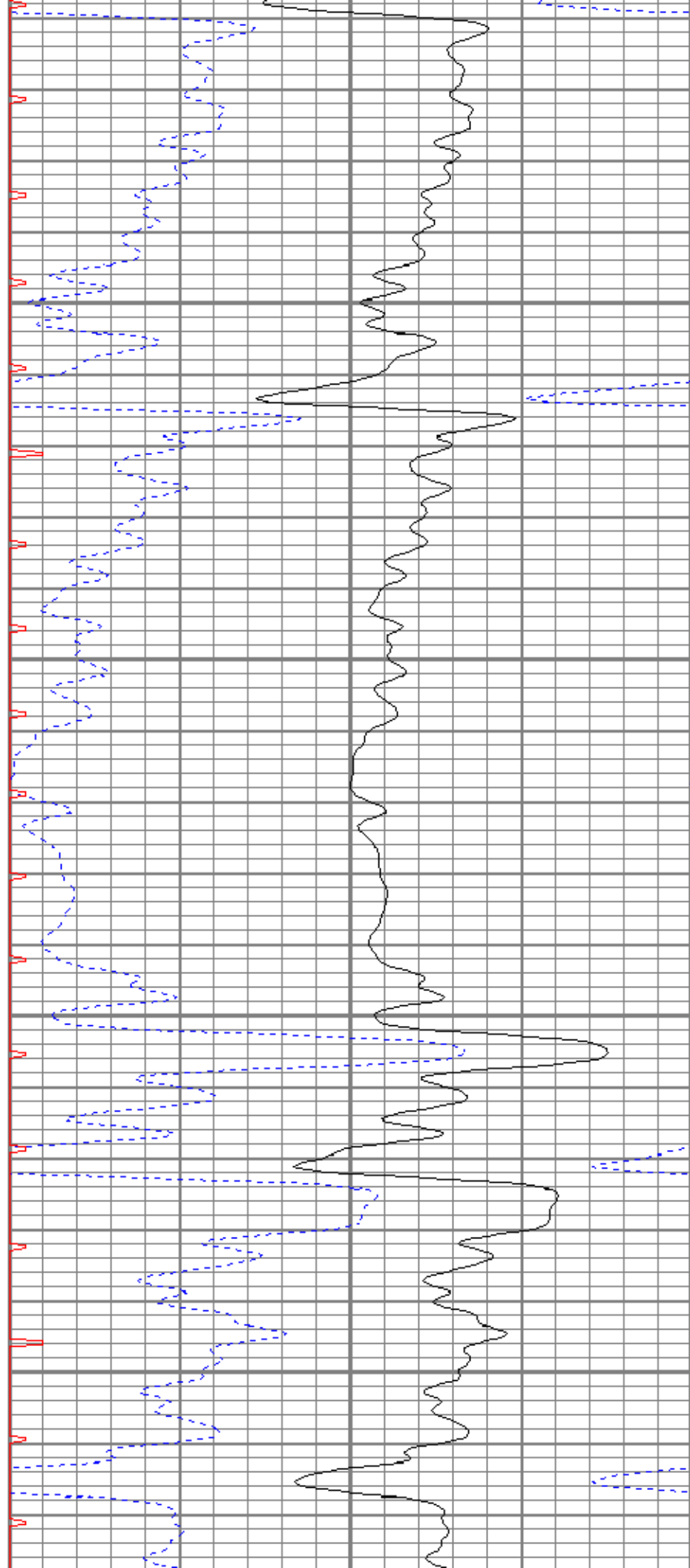


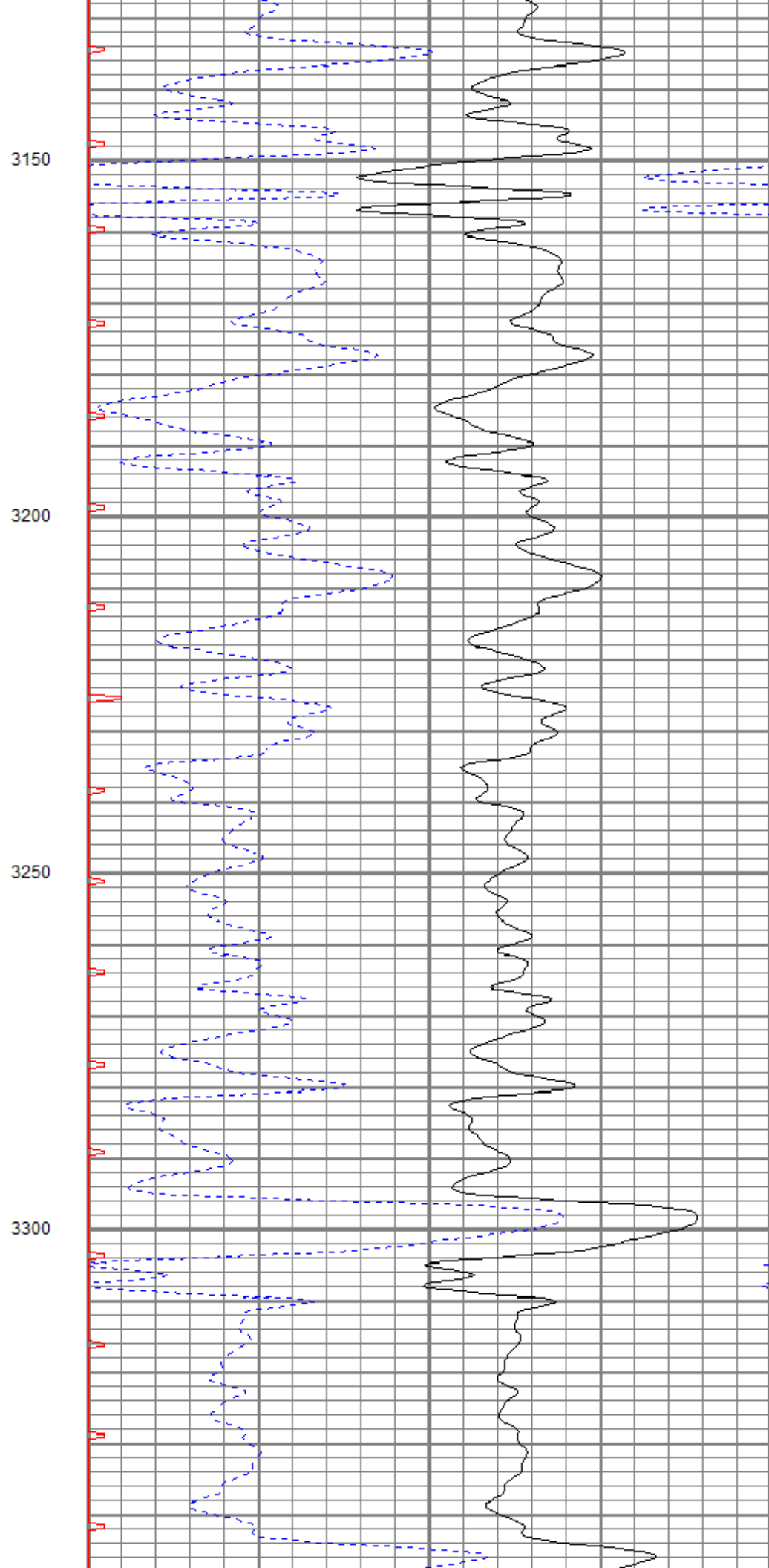
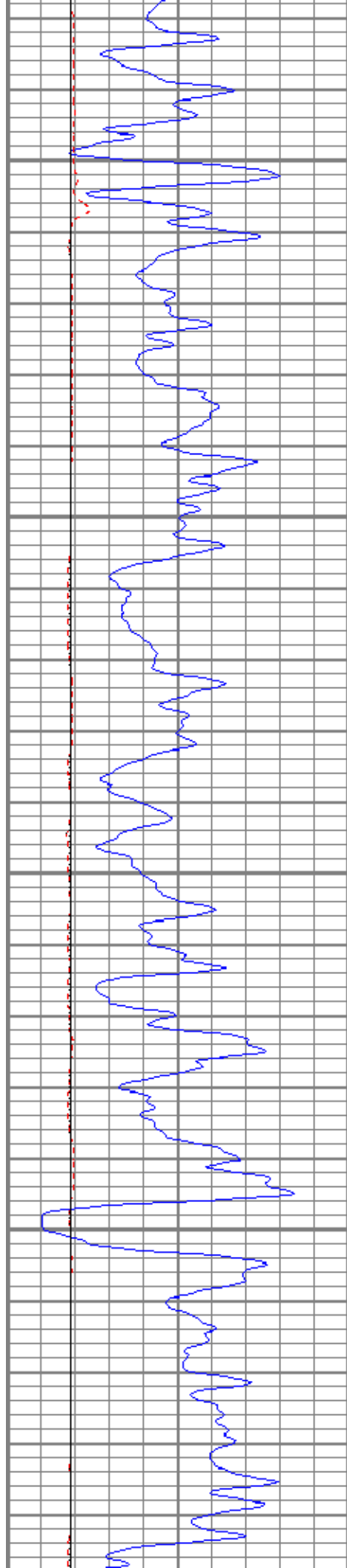
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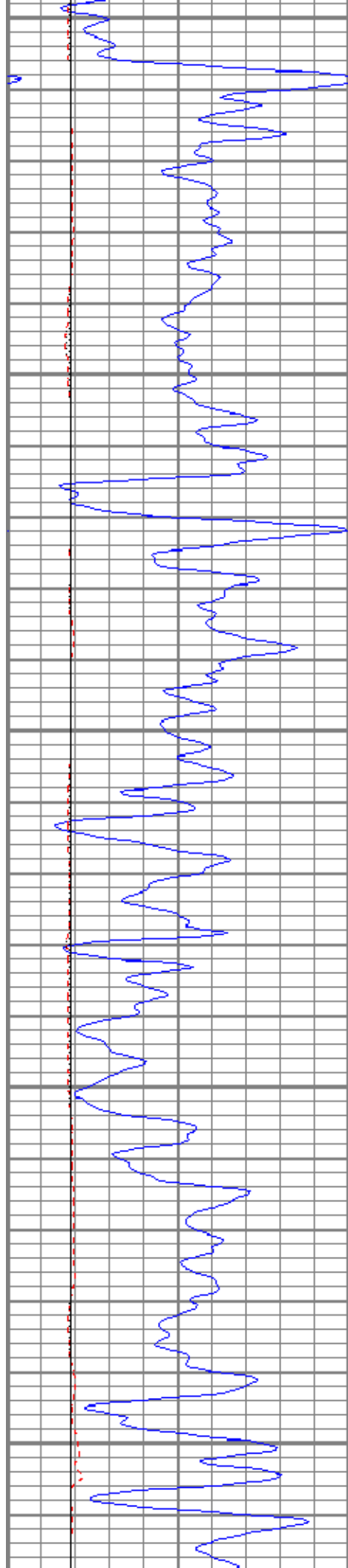
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3050

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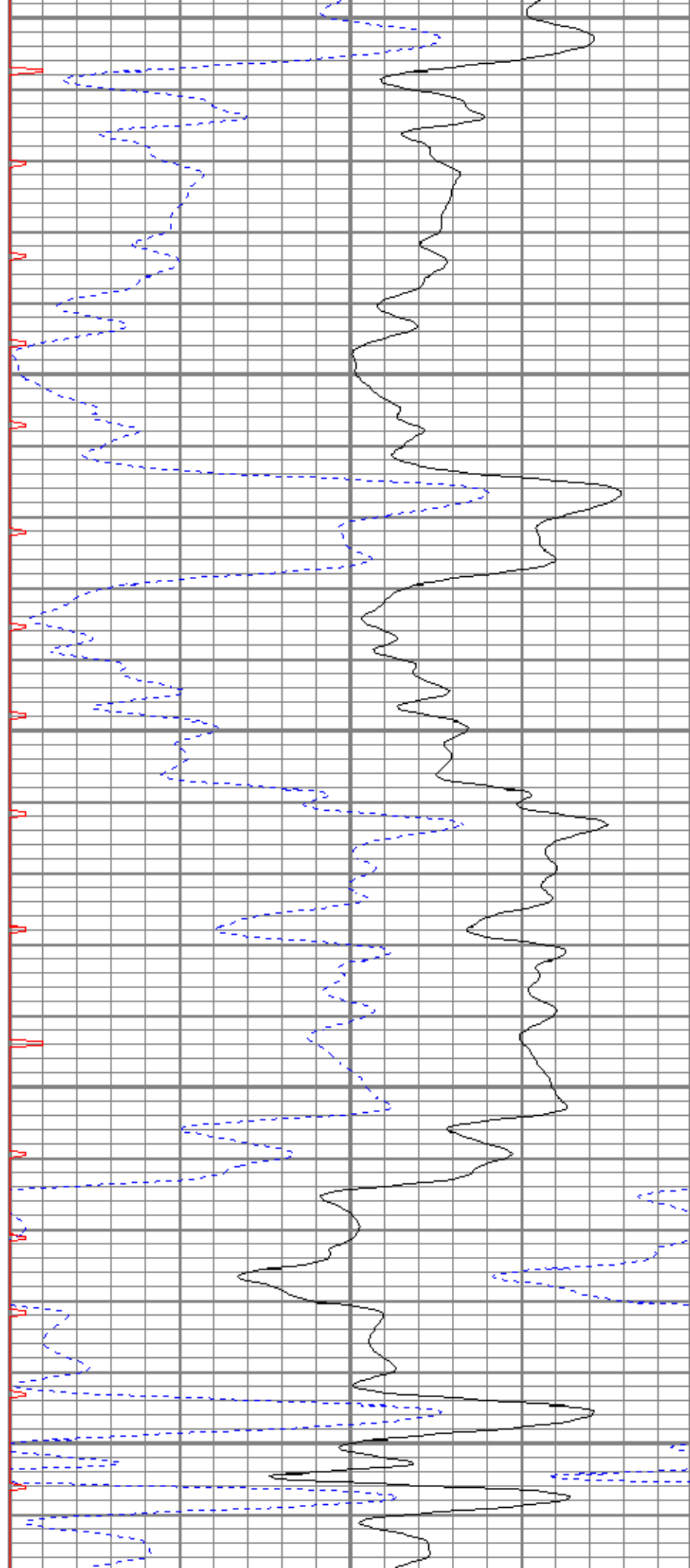
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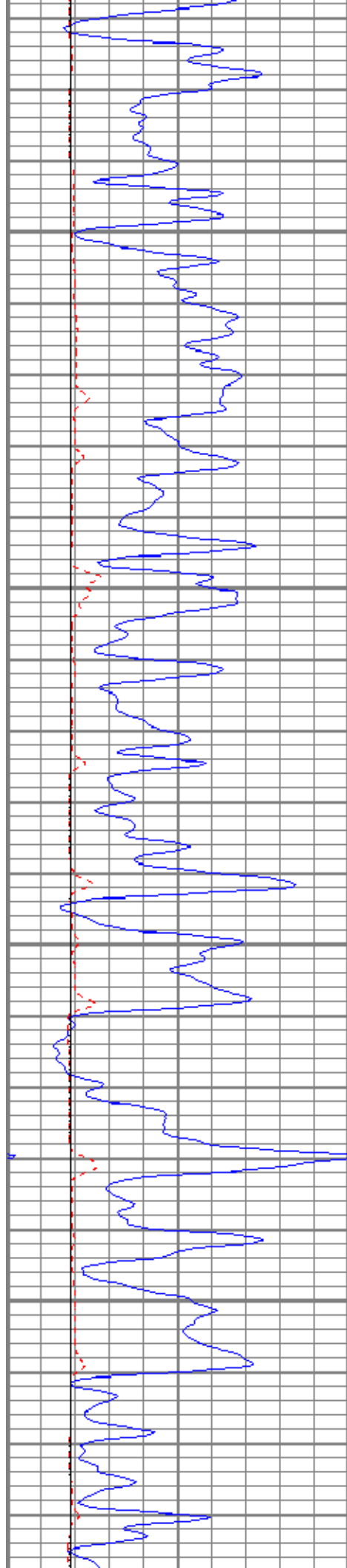
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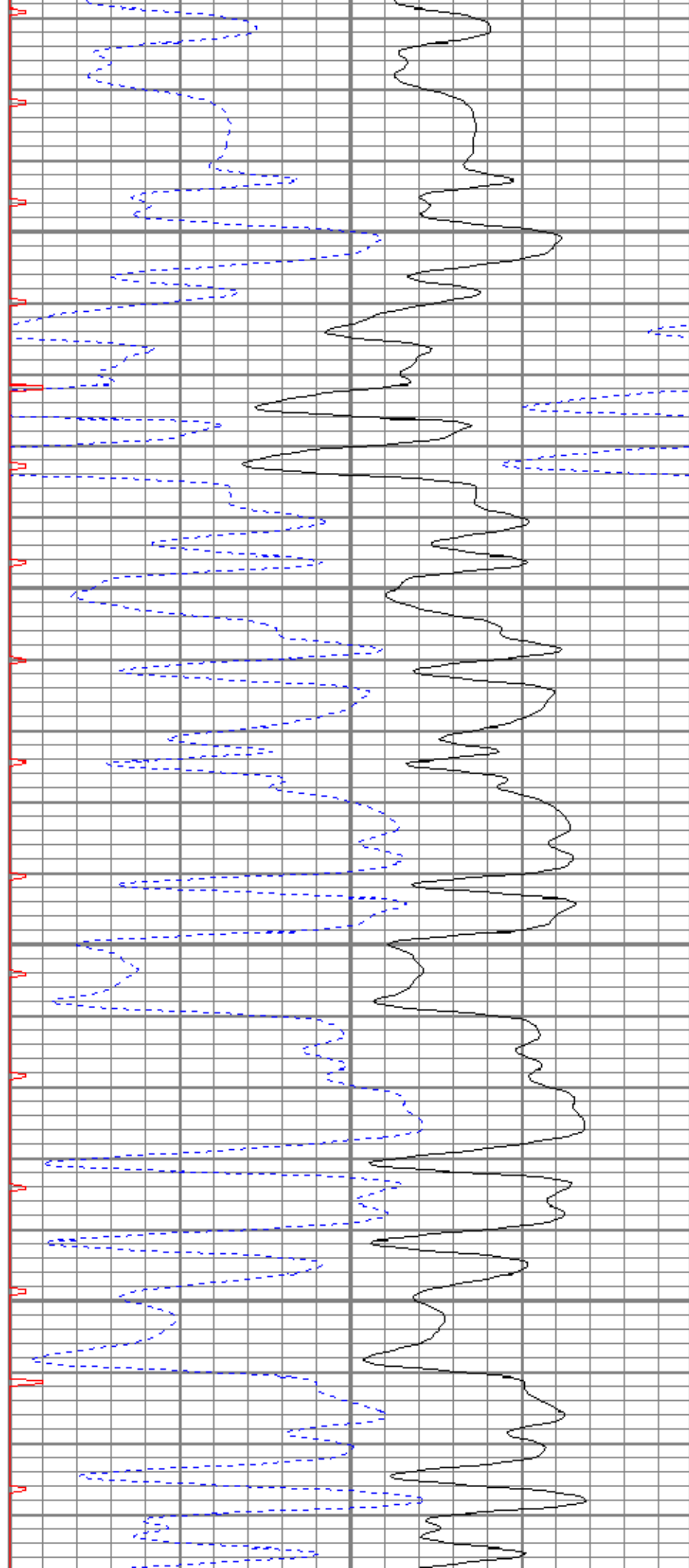


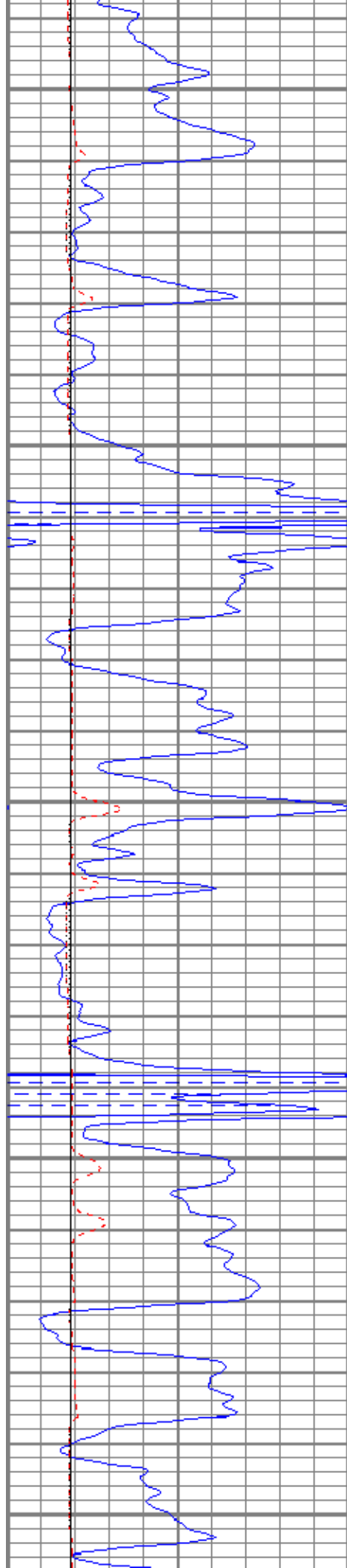
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3750





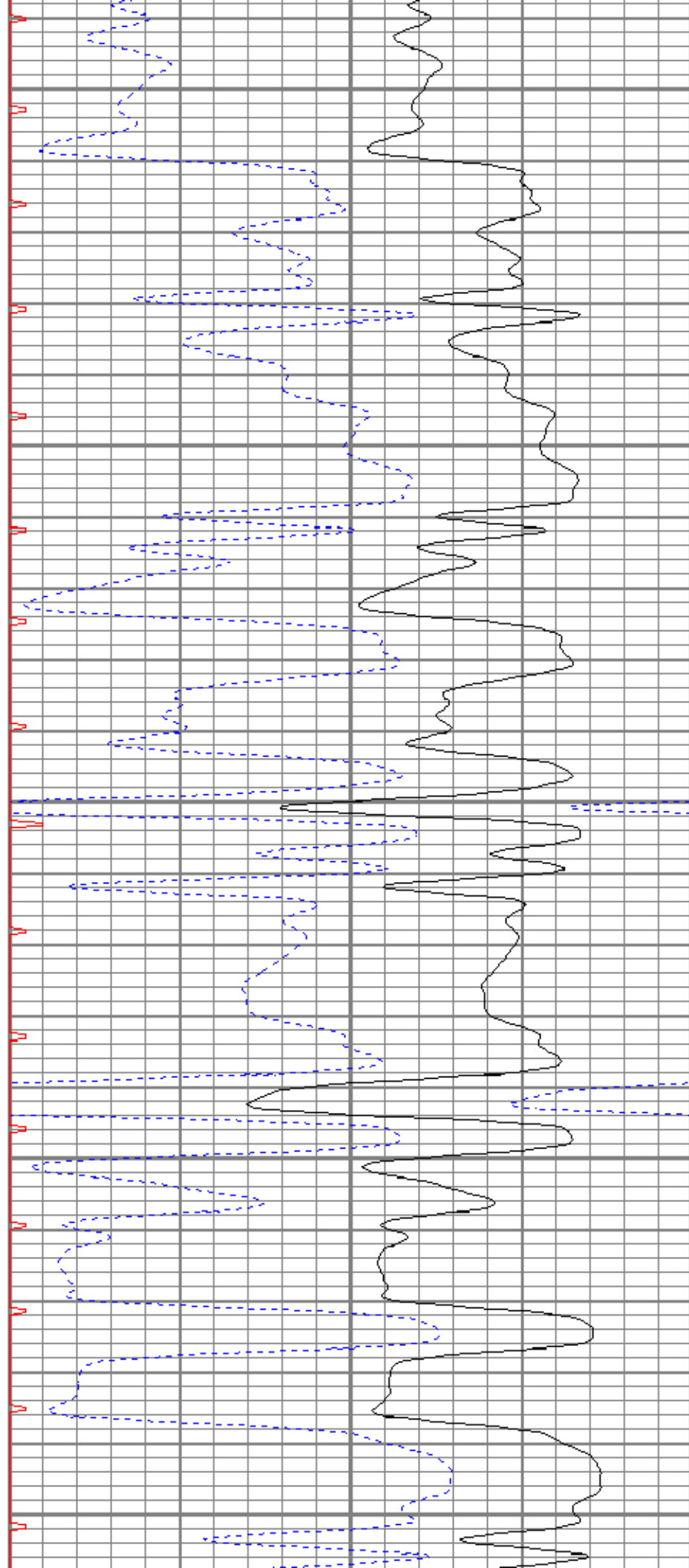
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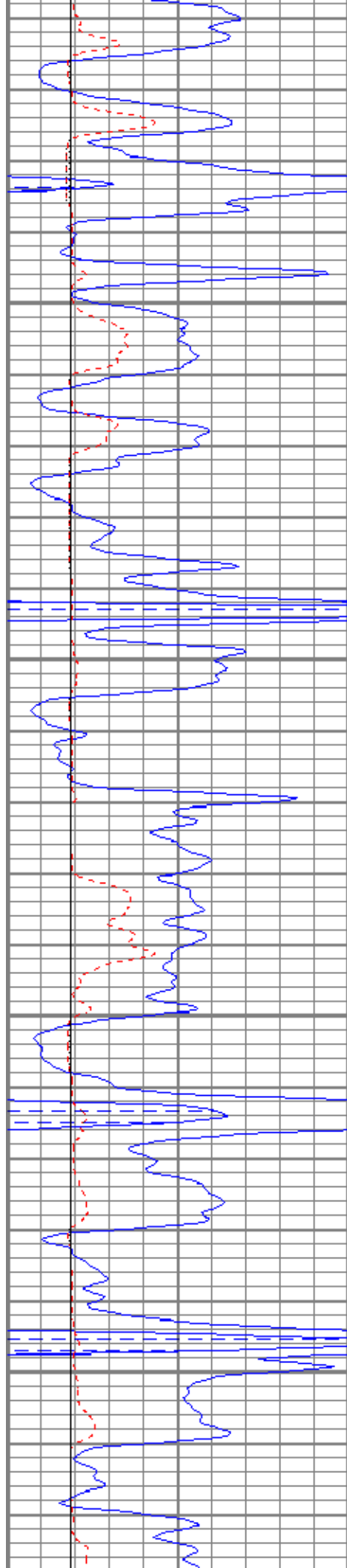
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3950

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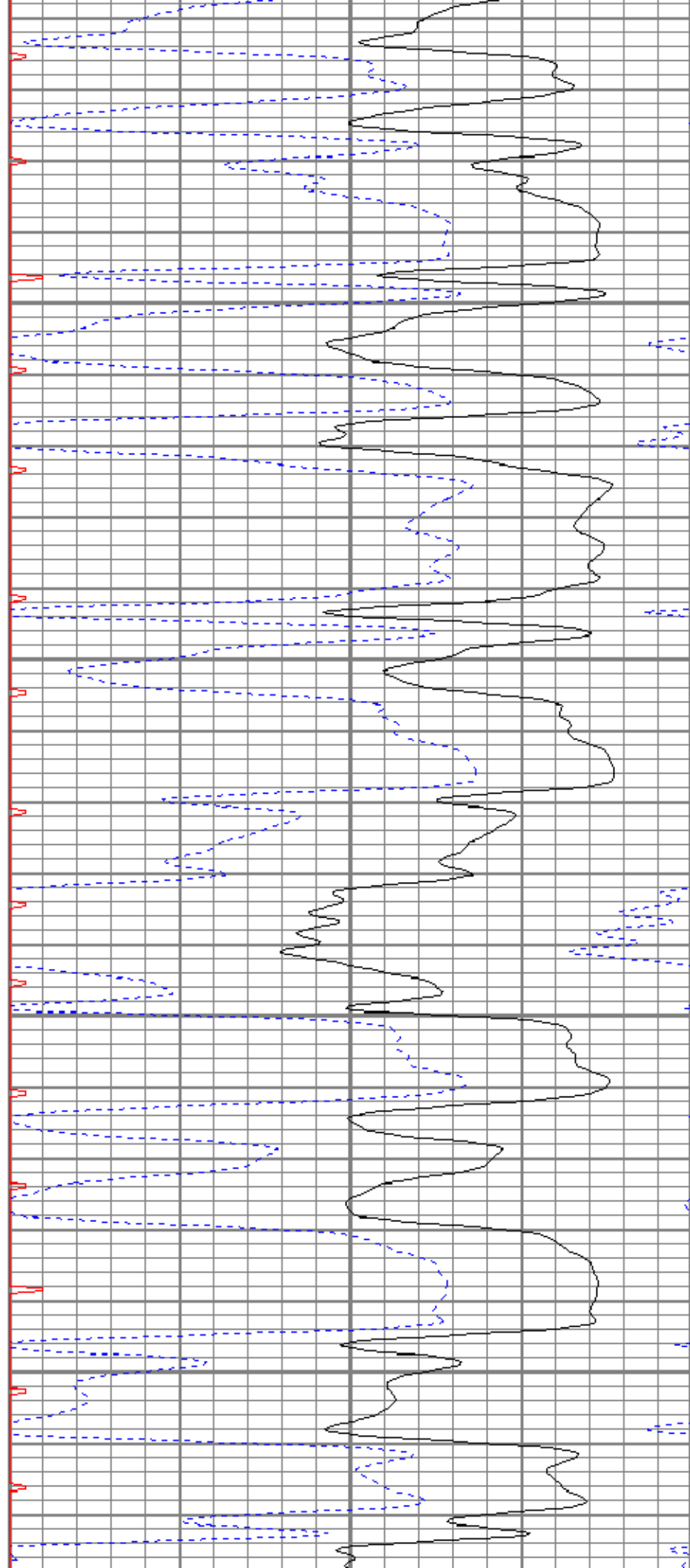


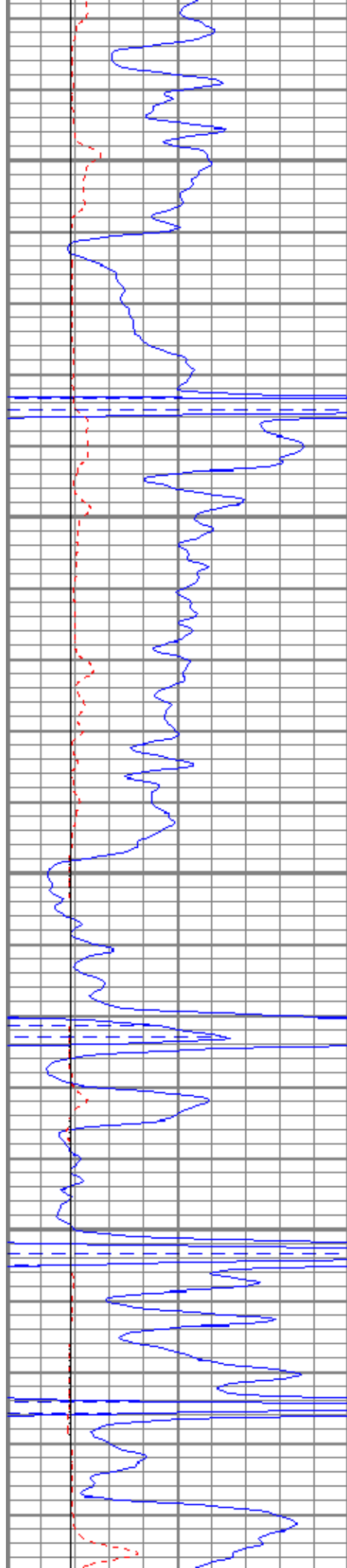
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4150

4200



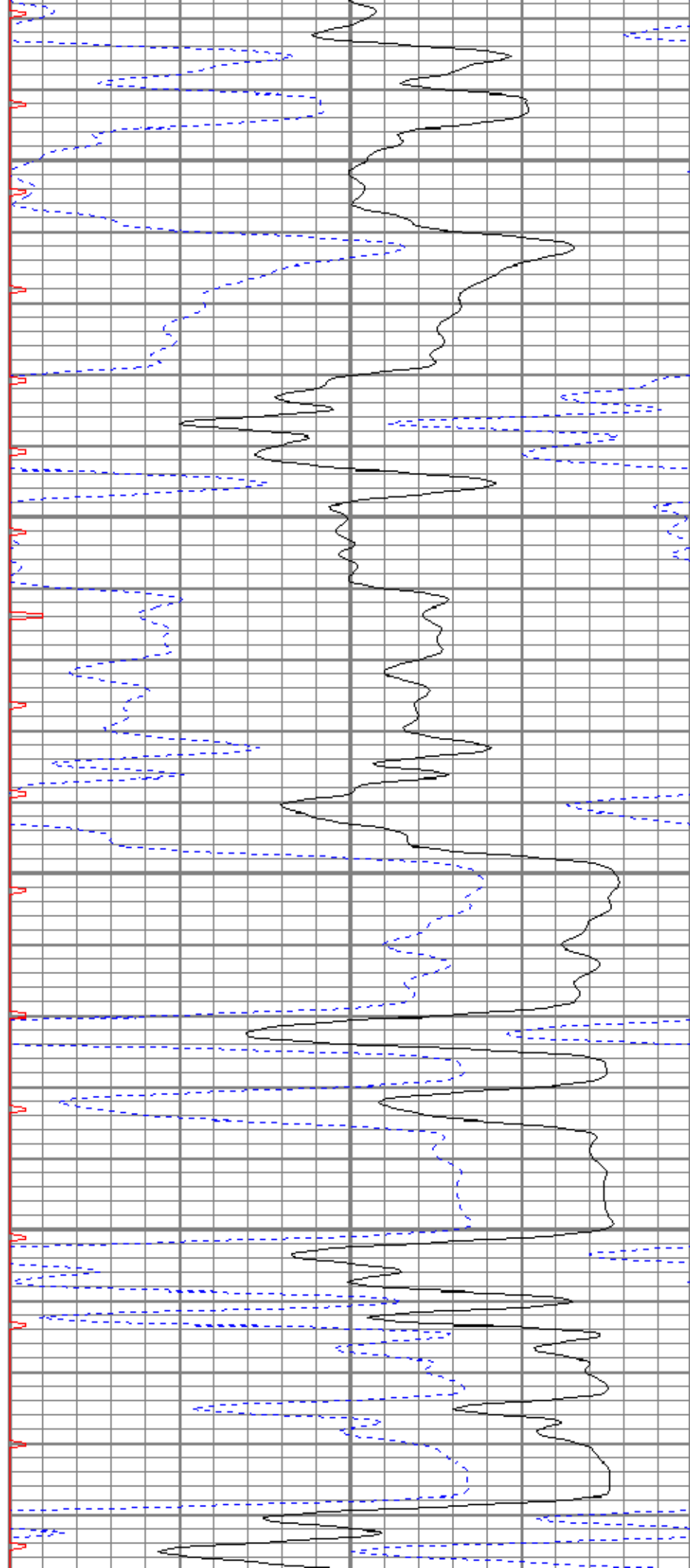


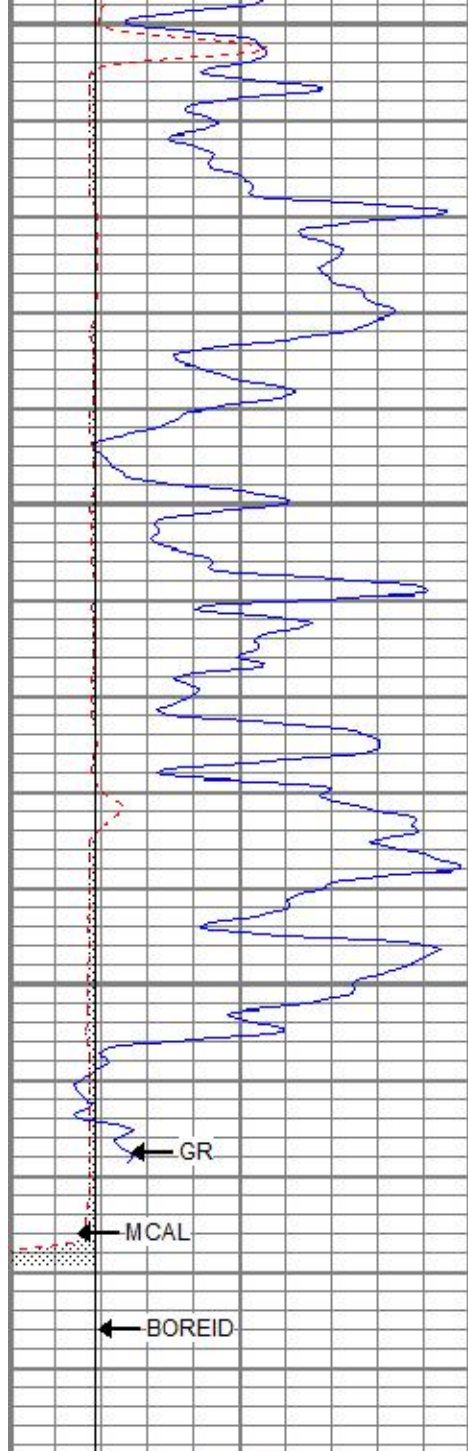
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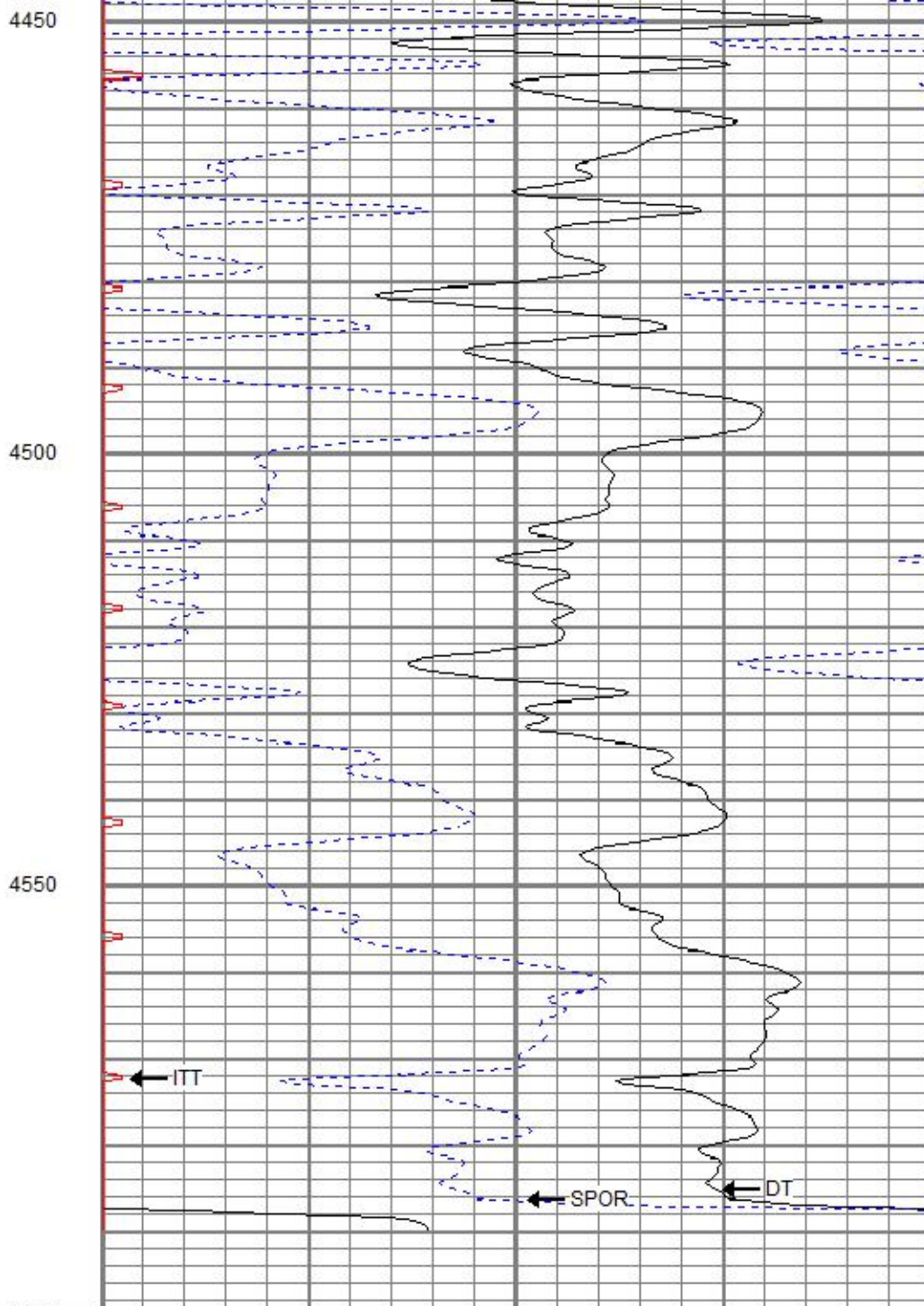
4350

4400





0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16



140	DT (usec/ft)	40
30	SPOR (pu)	-10
0	ITT (msec)	20

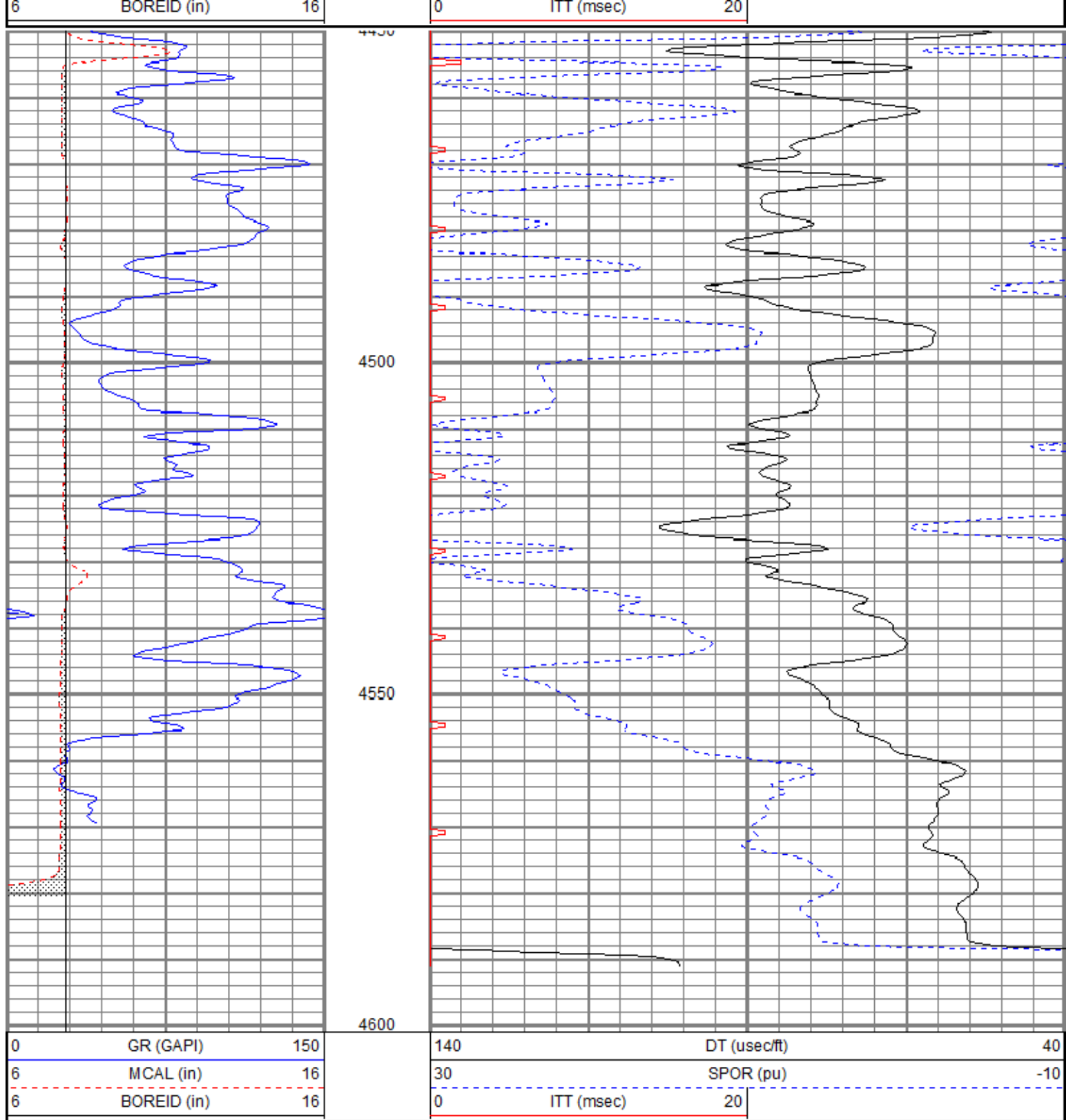


Repeat Pass

Database File jofschroederunit#1oh.db
 Dataset Pathname pass6
 Presentation Format kbcs
 Dataset Creation Mon Jul 11 22:48:49 2016
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	MCAL (in)	16

140	DT (usec/ft)	40
30	SPOR (pu)	-10



Calibration Report							
Database File	jofschroederunit#1oh.db						
Dataset Pathname	pass6						
Dataset Creation	Mon Jul 11 22:48:49 2016						
Microlog Calibration Report							
Serial-Model:				1600-Pengo			
Performed:				Fri Mar 18 11:00:13 2016			
Readings			References			Results	
	Zero	Cal		Zero	Cal	m	b
Normal	0.0000	0.5044	V	0.0000	10.0000	Observed	16.0406
							0.0146

Normal	0.0009	0.5911	V	0.0000	10.0000	Ohm-Fm	18.9428	-0.0148
Inverse	0.0037	0.7678	V	0.0000	8.5000	Ohm-m	11.1238	-0.0411
Caliper	1.4734	4.3558	V	7.9000	14.0000	in	2.1163	4.7819

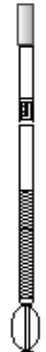
Gamma Ray Calibration Report

Serial Number: 2001
Tool Model: OH
Performed: Thu Jan 21 09:36:03 2016

Calibrator Value: 1.0 GAP

Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps

Sensitivity: 0.2400 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	27.88		GR-OH (2001)	3.56	3.25	40.00
MCAL	21.05		ML-Pengo (1600)	6.97	3.50	100.00
MI	21.05					
MN	21.05					
WVF4	13.79		SLT-G (101127)	15.71	3.50	250.00
WVF3	12.79		Sonic			
WVF2	9.79					
WVF1	8.79		CENT-OHshort Open Hole short centralizer	4.04	3.50	50.00

Dataset: jofschroederunit#1oh.db: field/well/run1/pass6
Total length: 30.28 ft
Total weight: 440.00 lb
O.D.: 3.50 in