



PIONEER
Pioneer Energy Services

DUAL INDUCTION LOG

Company **BECKER OIL CORPORATION**
Well **HARRINGTON #1**
Field **ASHLAND NORTHEAST**
County **CLARK** State **KANSAS**

Location: API #: 15-025-21590-00-00

Other Services

1550' FSL & 330' FEL
SEC 25 TWP 32S RGE 23W

CNL/CDL

Permanent Datum **GROUND LEVEL** Elevation **2062'**
Log Measured From **KELLY BUSHING**
Drilling Measured From **KELLY BUSHING**

Elevation
K.B. 2073'
D.F. N/A
G.L. 2062'

Date	8/6/2016		
Run Number	ONE		
Depth Driller	5385'		
Depth Logger	5388'		
Bottom Logged Interval	5387'		
Top Log Interval	750'		
Casing Driller	8.625" @ 758'		
Casing Logger	758'		
Bit Size	7.875"		
Type Fluid in Hole	CHEMICAL		
Salinity, ppm CL	11800		
Density / Viscosity	9.0 56		
pH / Fluid Loss	8.5 12.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.24 @ 82		
Rmf @ Meas. Temp	0.18 @ 82		
Rmc @ Meas. Temp	0.32 @ 82		
Source of Rmf / Rmc	CHARTS		
Rm @ BHT	0.15 @ 130		
Operating Rig Time	3 HOURS		
Max Rec. Temp. F	130		
Equipment Number	91		
Location	COLBY		
Recorded By	D. SCHMIDT		
Witnessed By	CLYDE BECKER		

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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

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

ASHLAND,
2 1/2 NORTH ON DODGE RD,
WEST AND SOUTH TO LOCATION

Log Measured From: KELLY BUSHING

11 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES

www.pioneerenergy.com

785-625-3858

Your Pioneer Energy Services Crew

Engineer: D. SCHMIDT

Operator:

Operator:

Operator:

This Log Record Was Witnessed By

Primary Witness: CLYDE BECKER

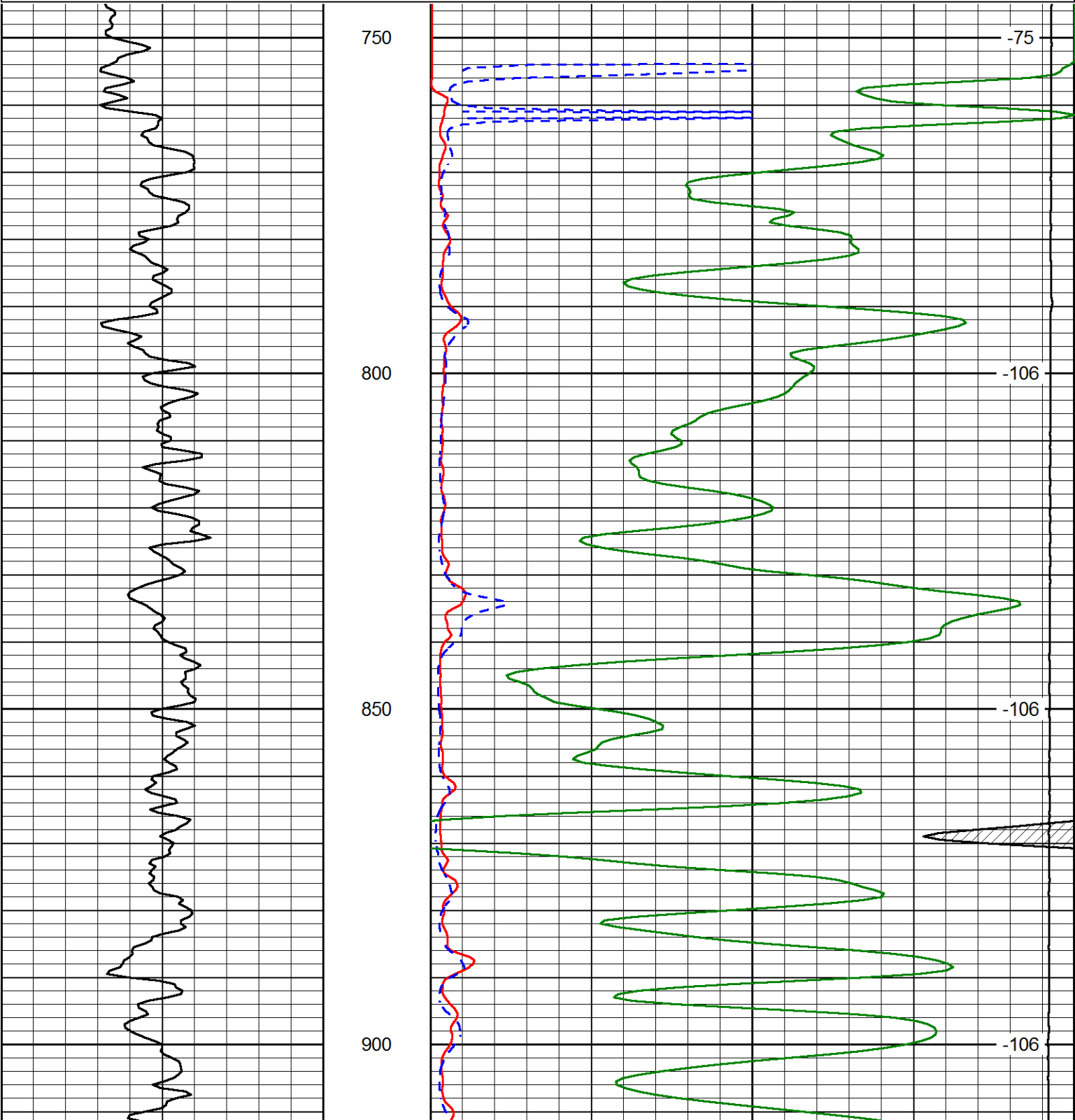
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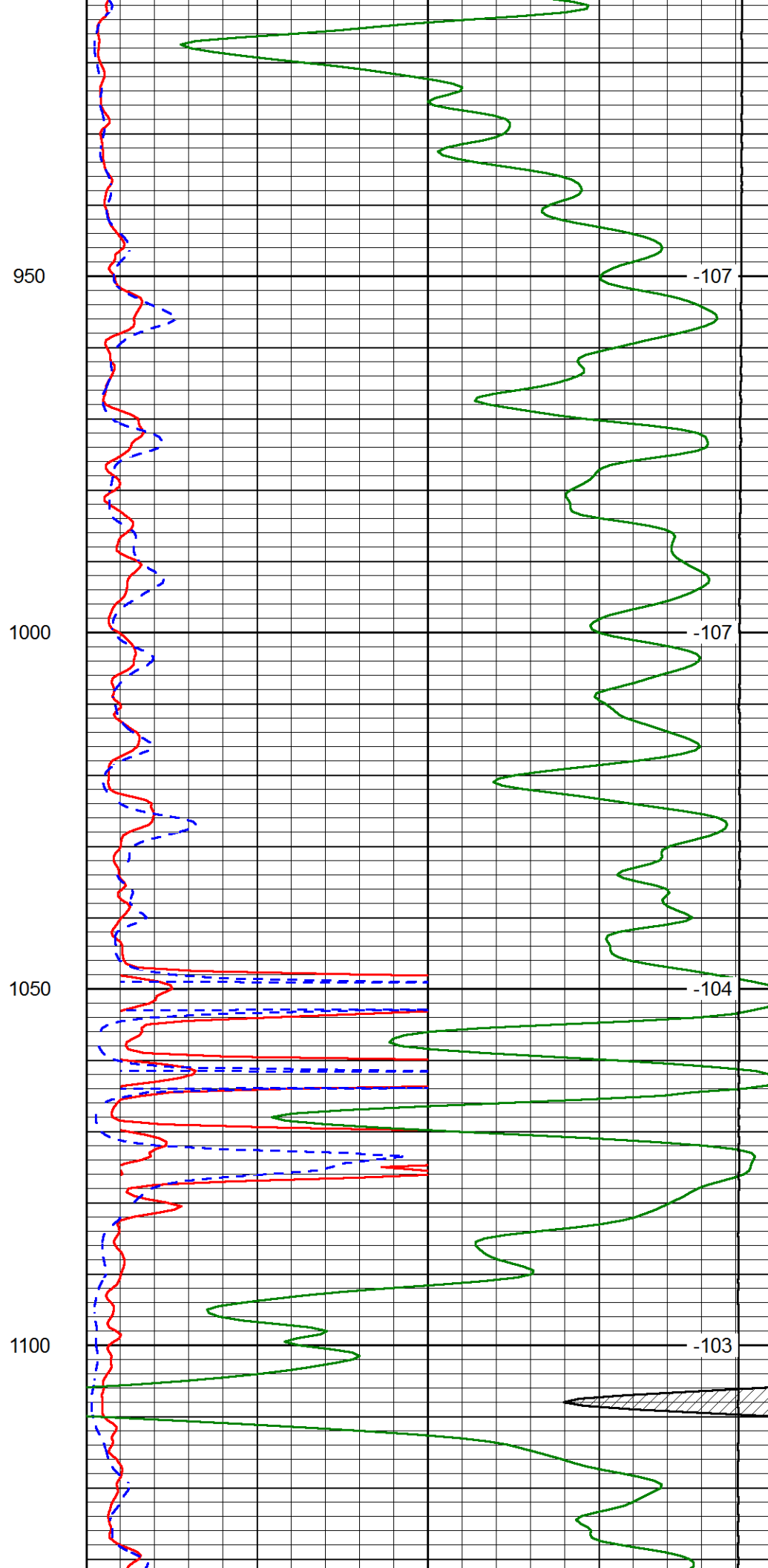
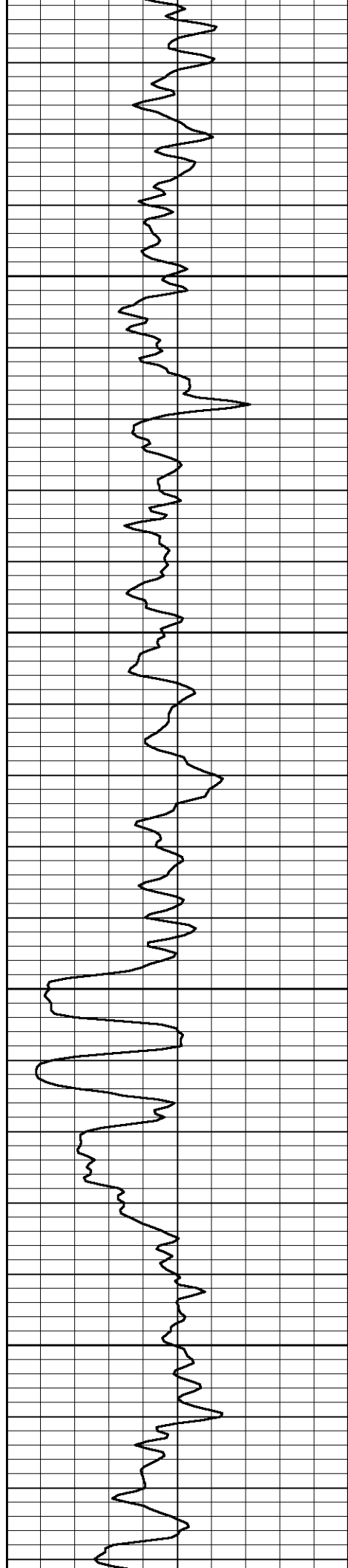
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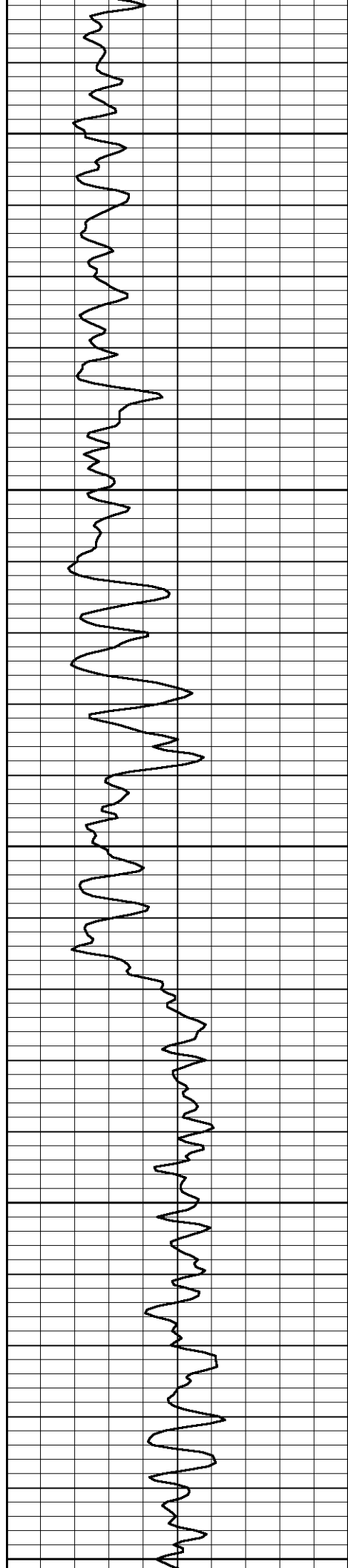
Secondary Witness:

Database File	becker_harrington_1hd.db
Dataset Pathname	DIL/bestack
Presentation Format	dil2in
Dataset Creation	Sat Aug 06 18:57:16 2016
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	1000	Conductivity	0
			15000	Line Tension (lb)	0
0	Shallow Resistivity (Ohm-m)	50			LSPD
0	Deep Resistivity (Ohm-m)	50			(ft/min)
	Shallow Resistivity				
	50	(Ohm-m)	500		
	50	Deep Resistivity (Ohm-m)	500		







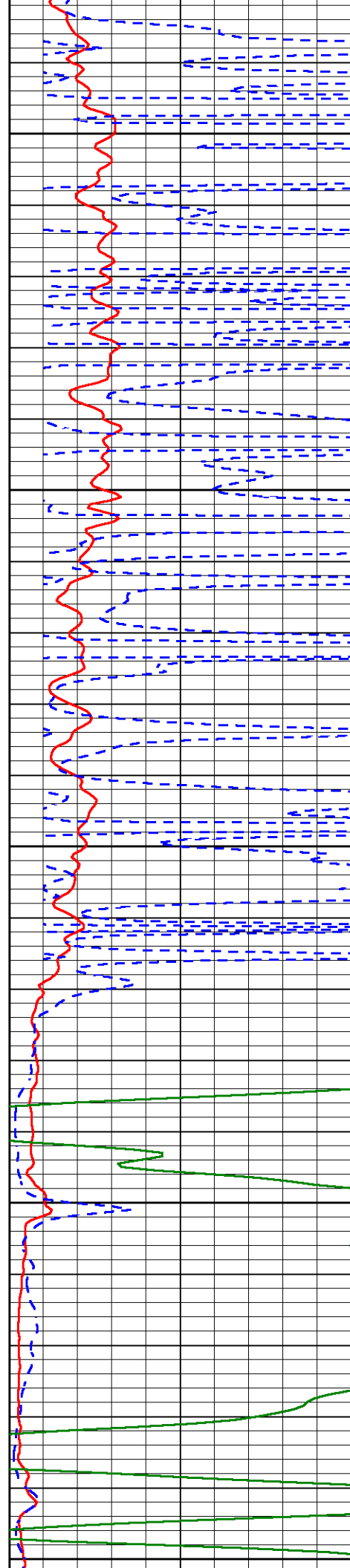
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1250

1300

1350



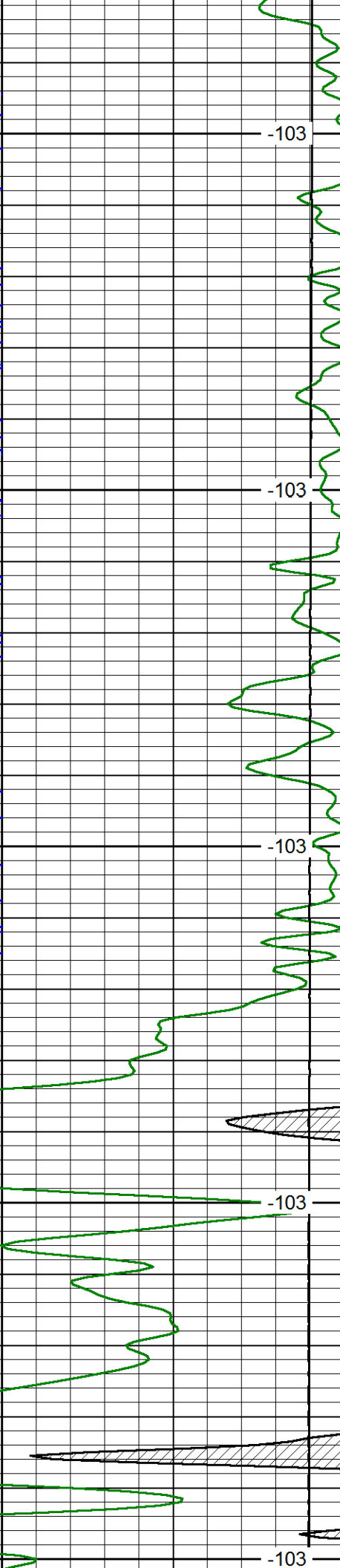
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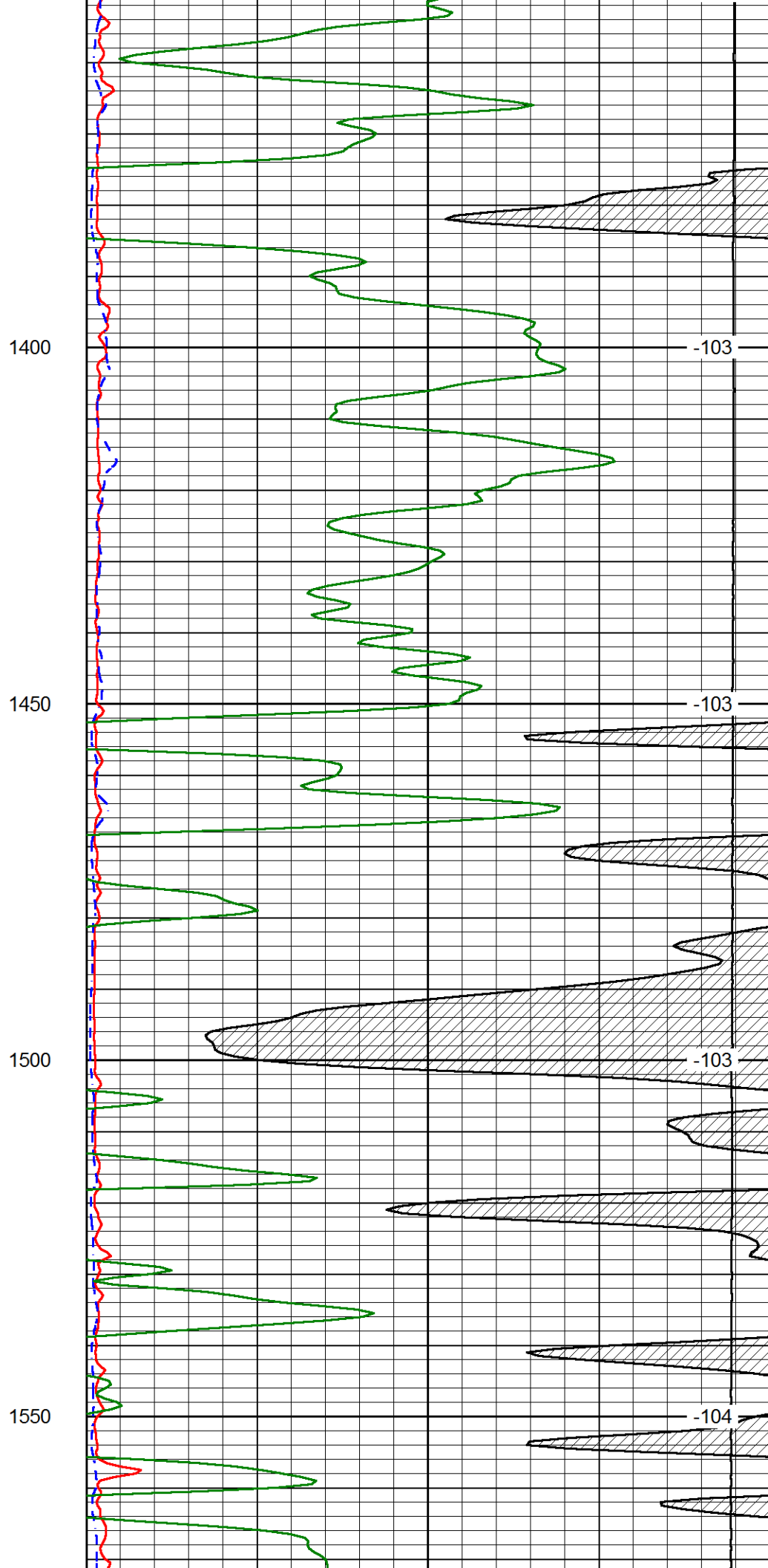
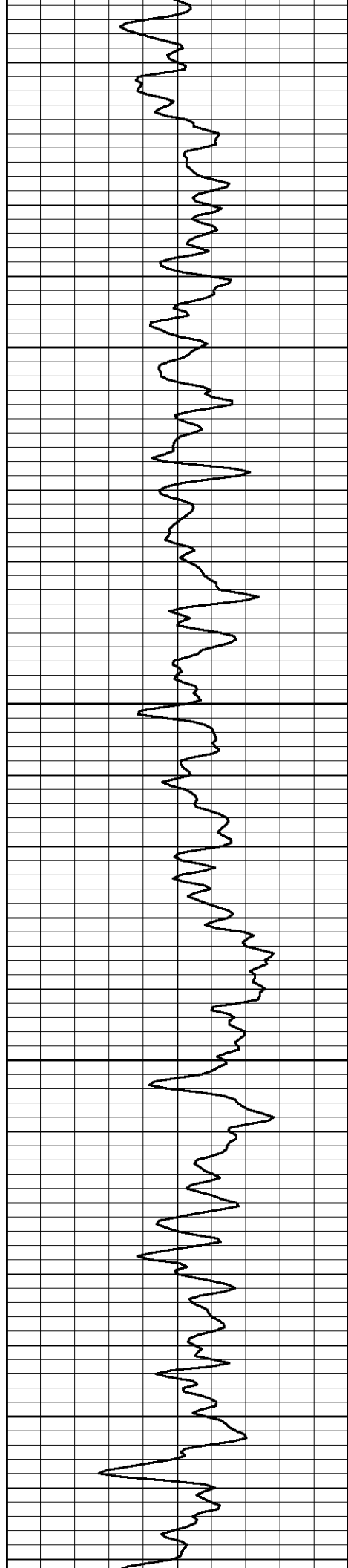
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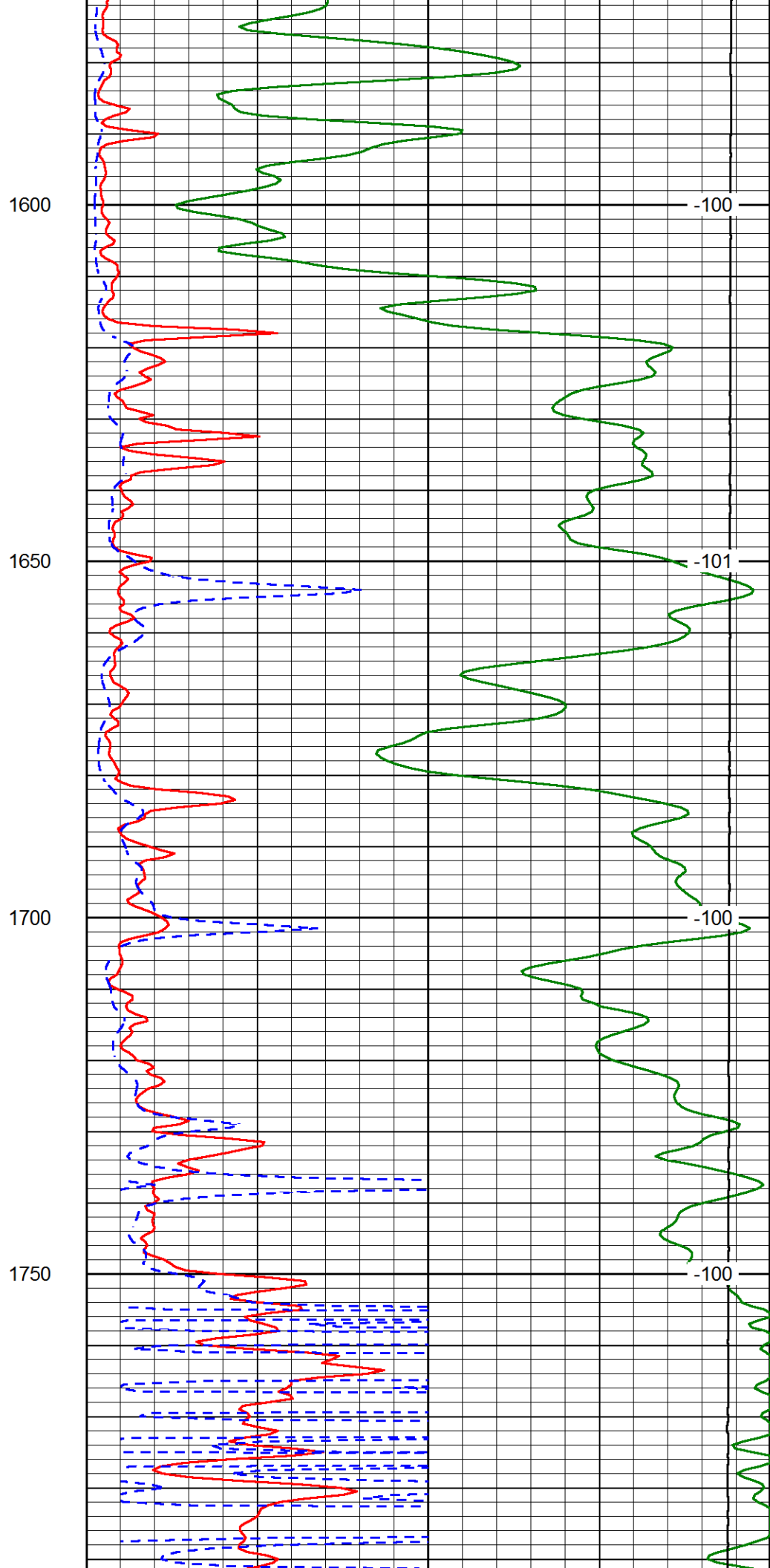
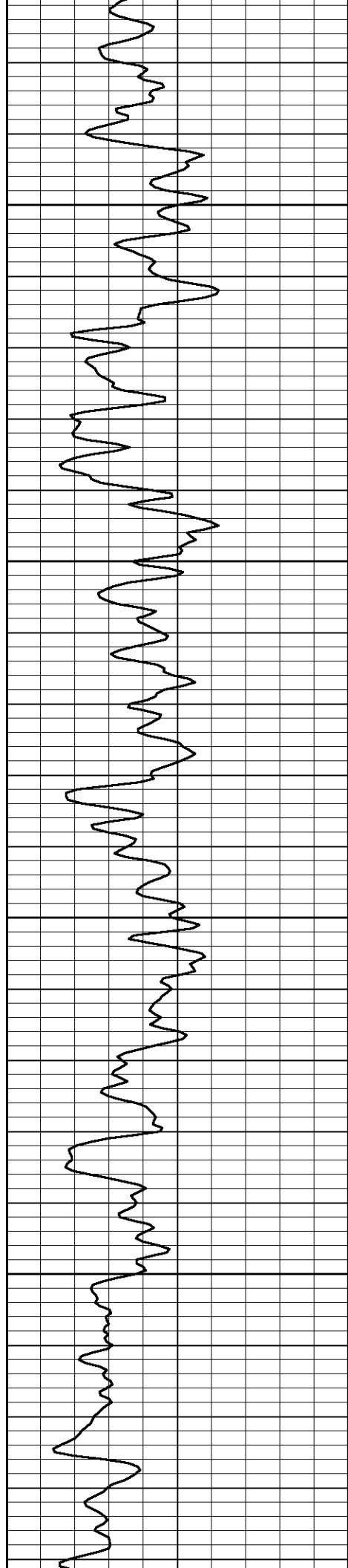
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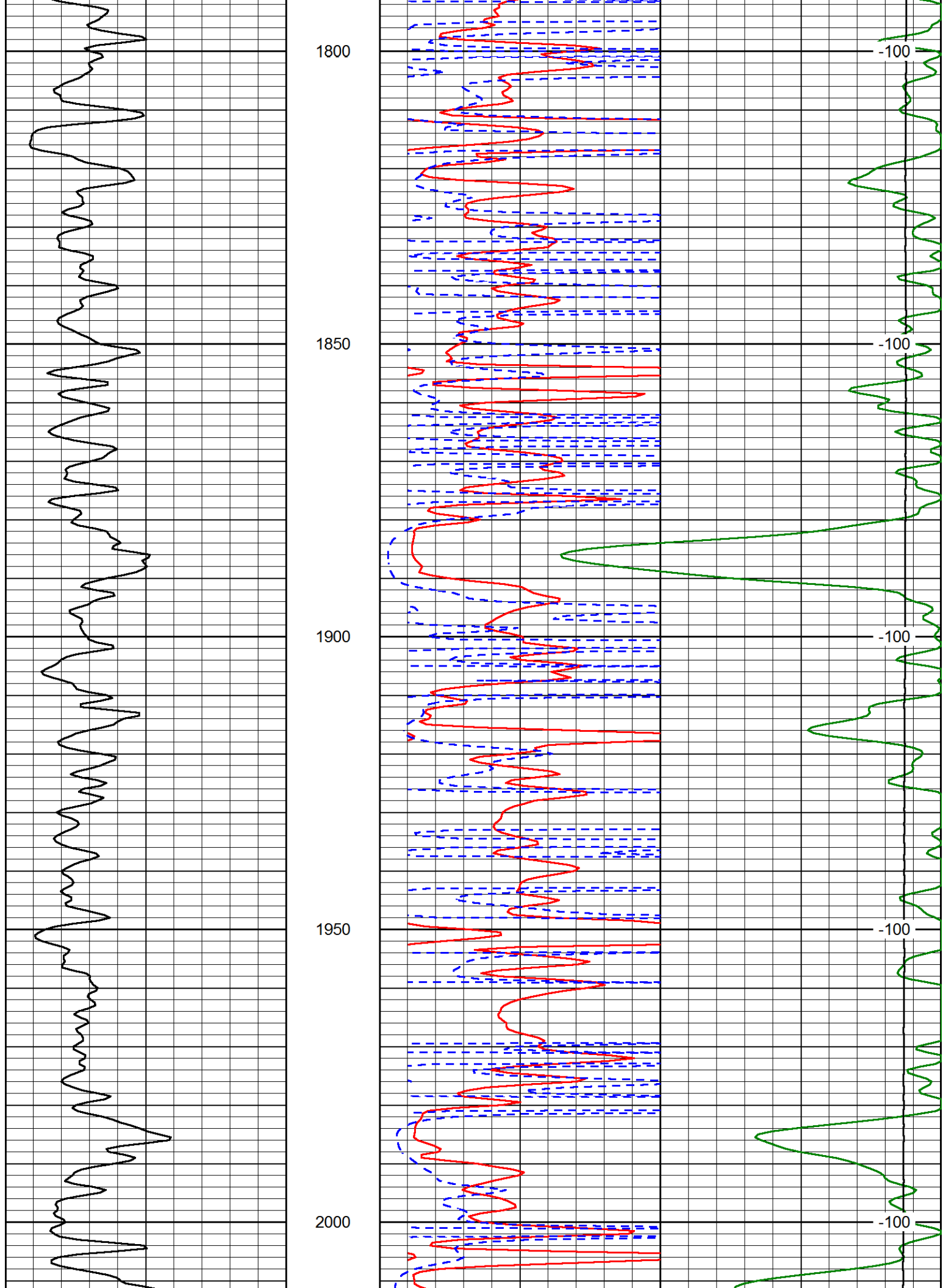
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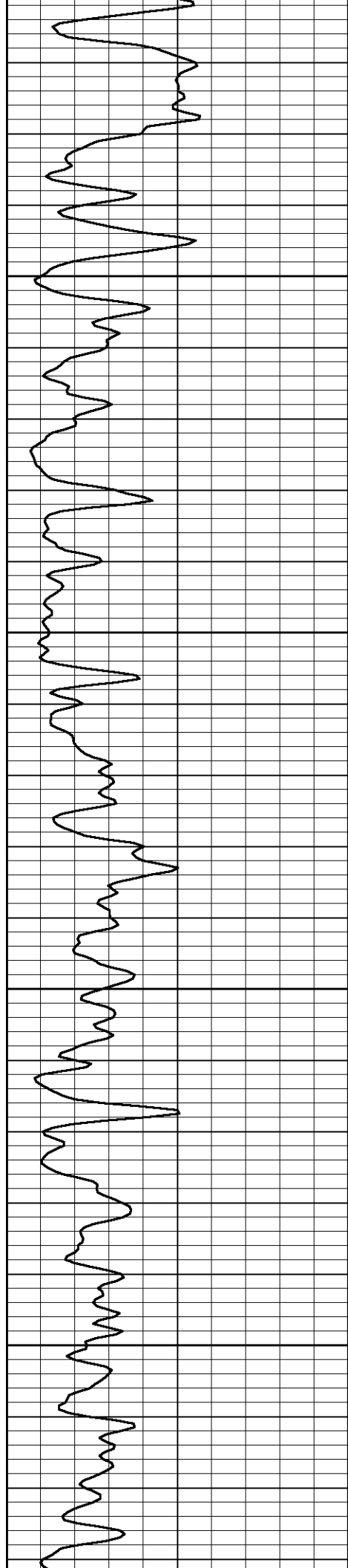
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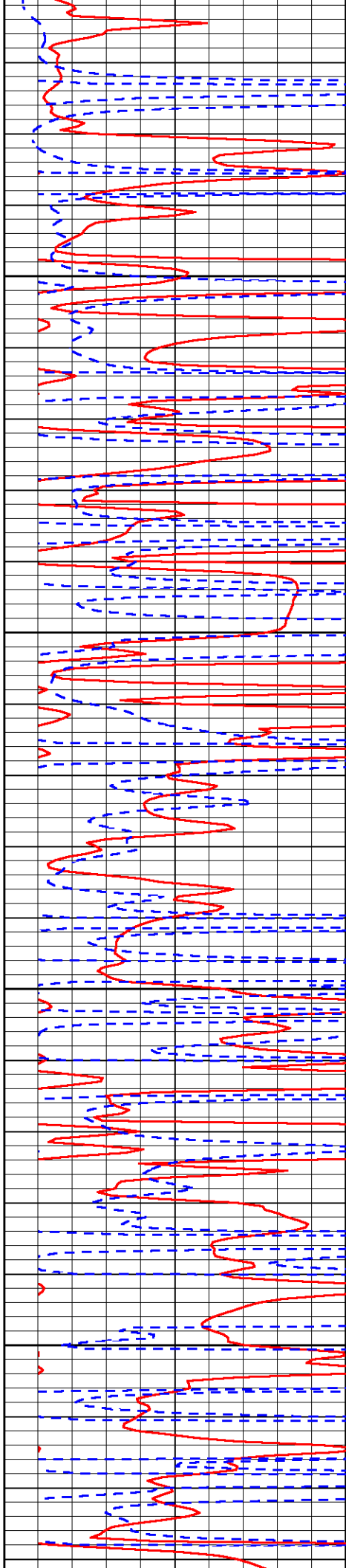


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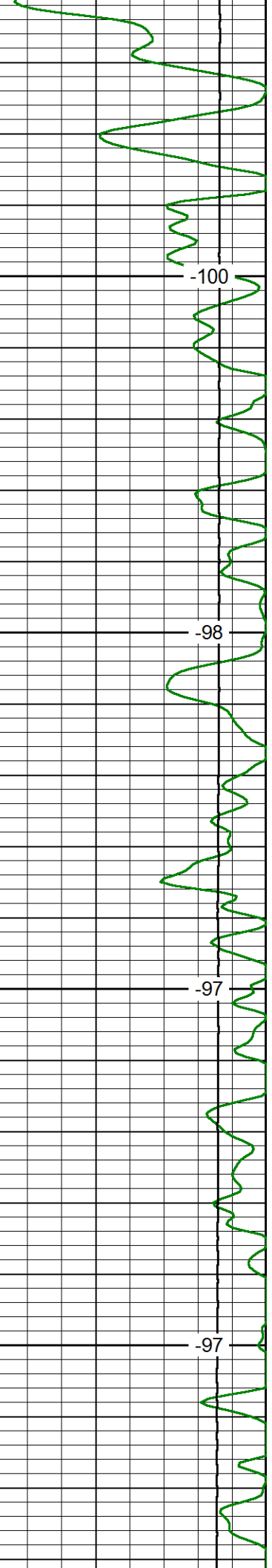


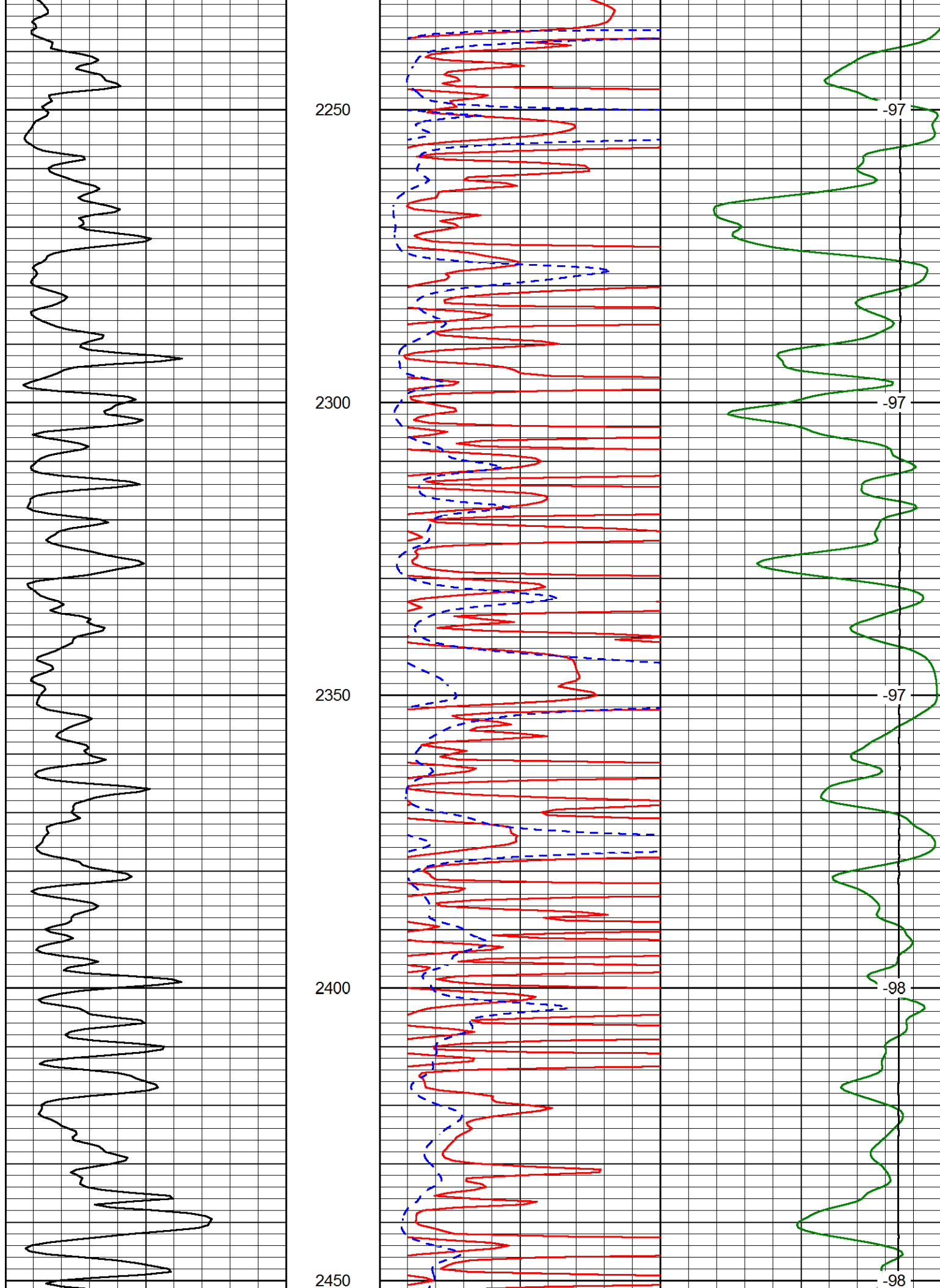
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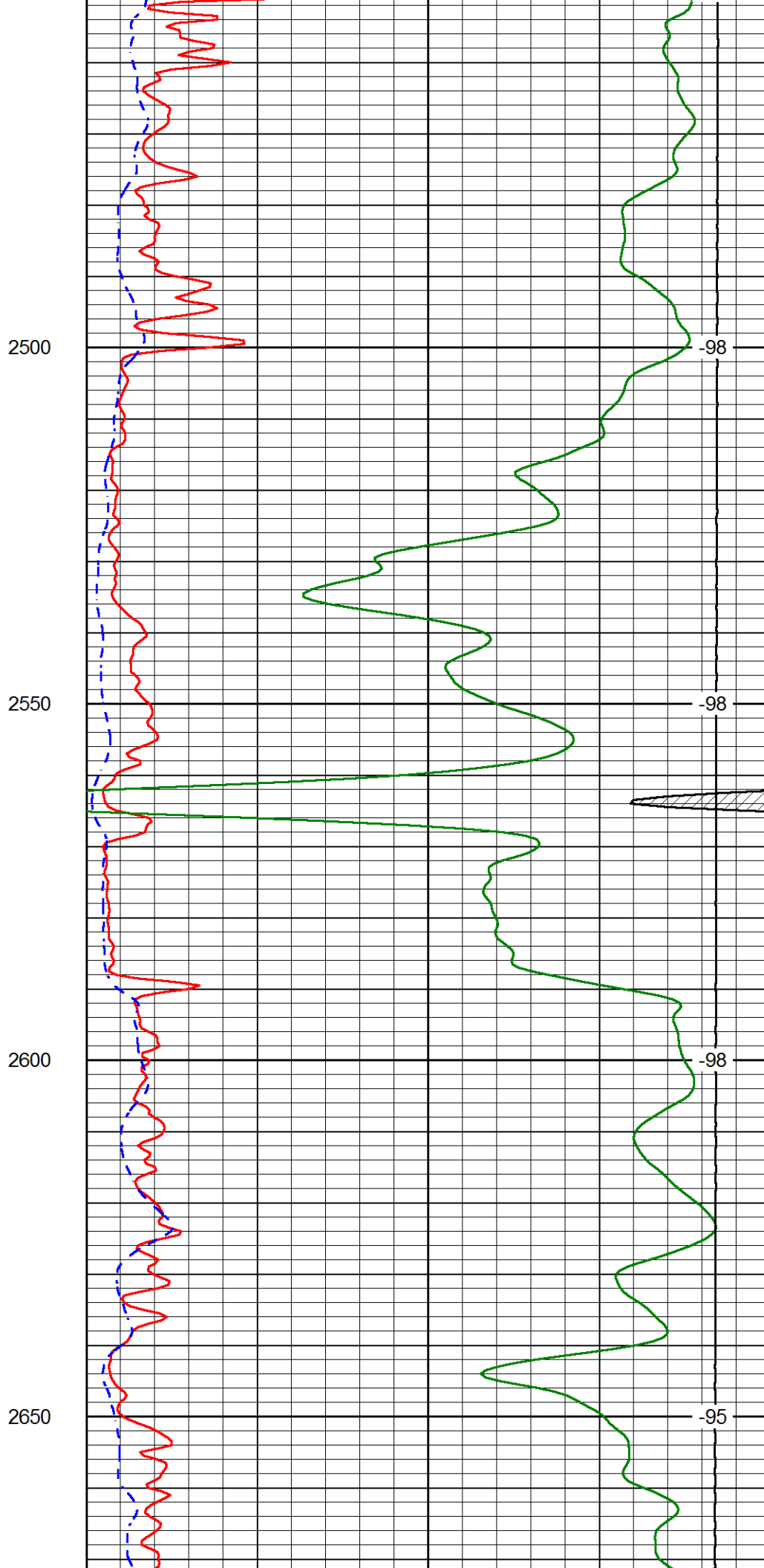
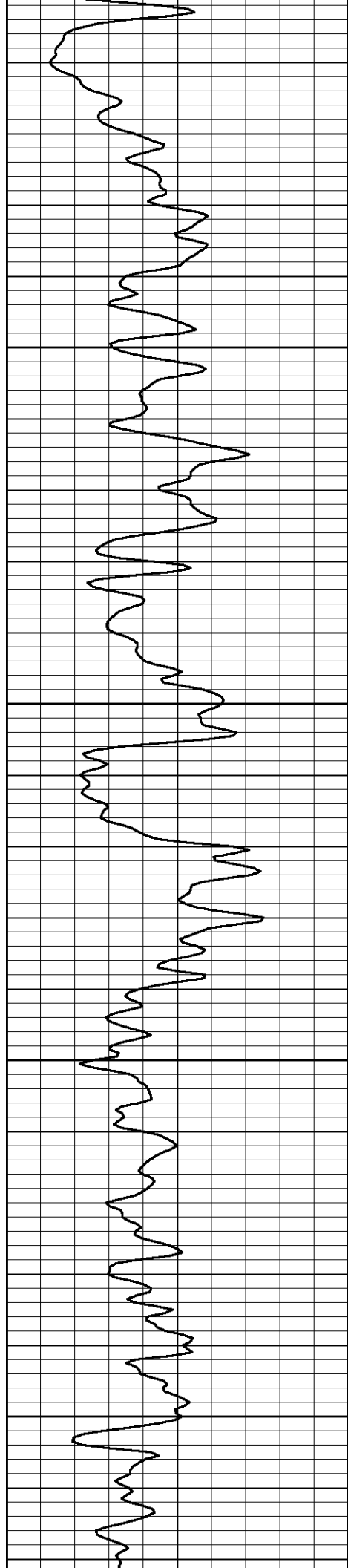
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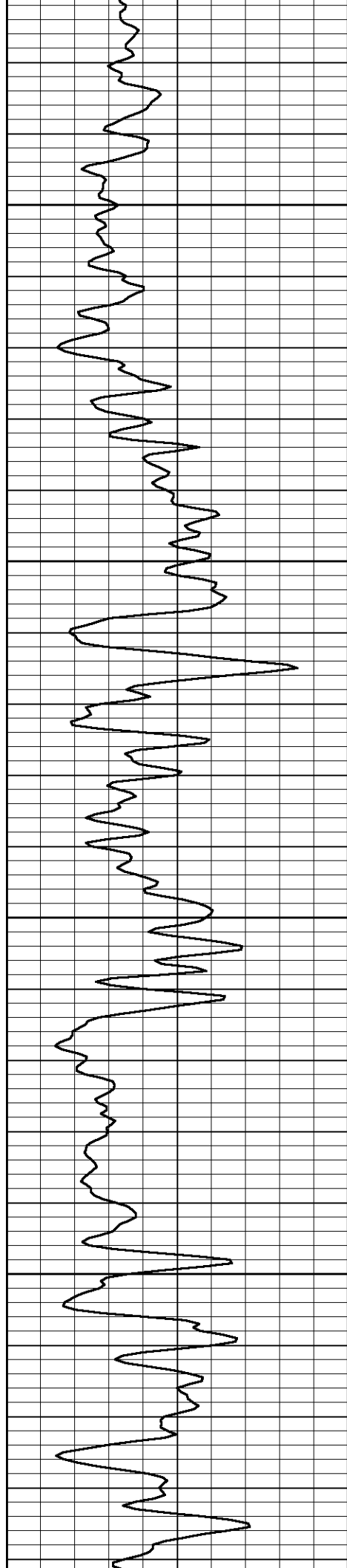
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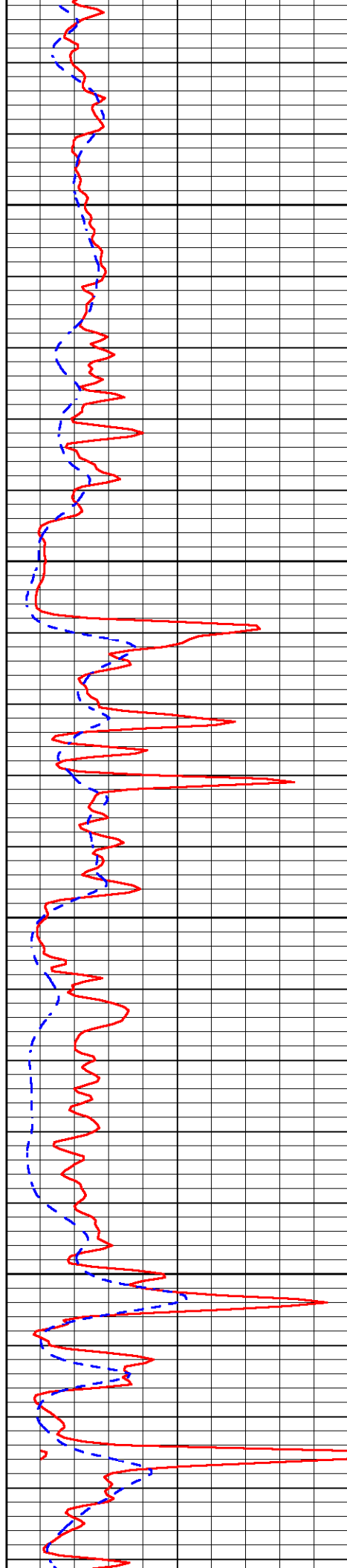


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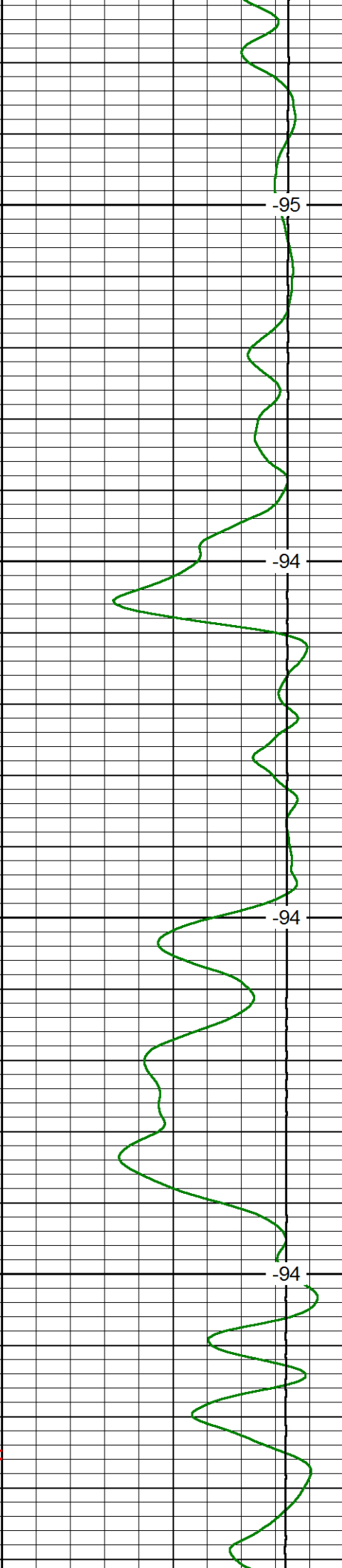


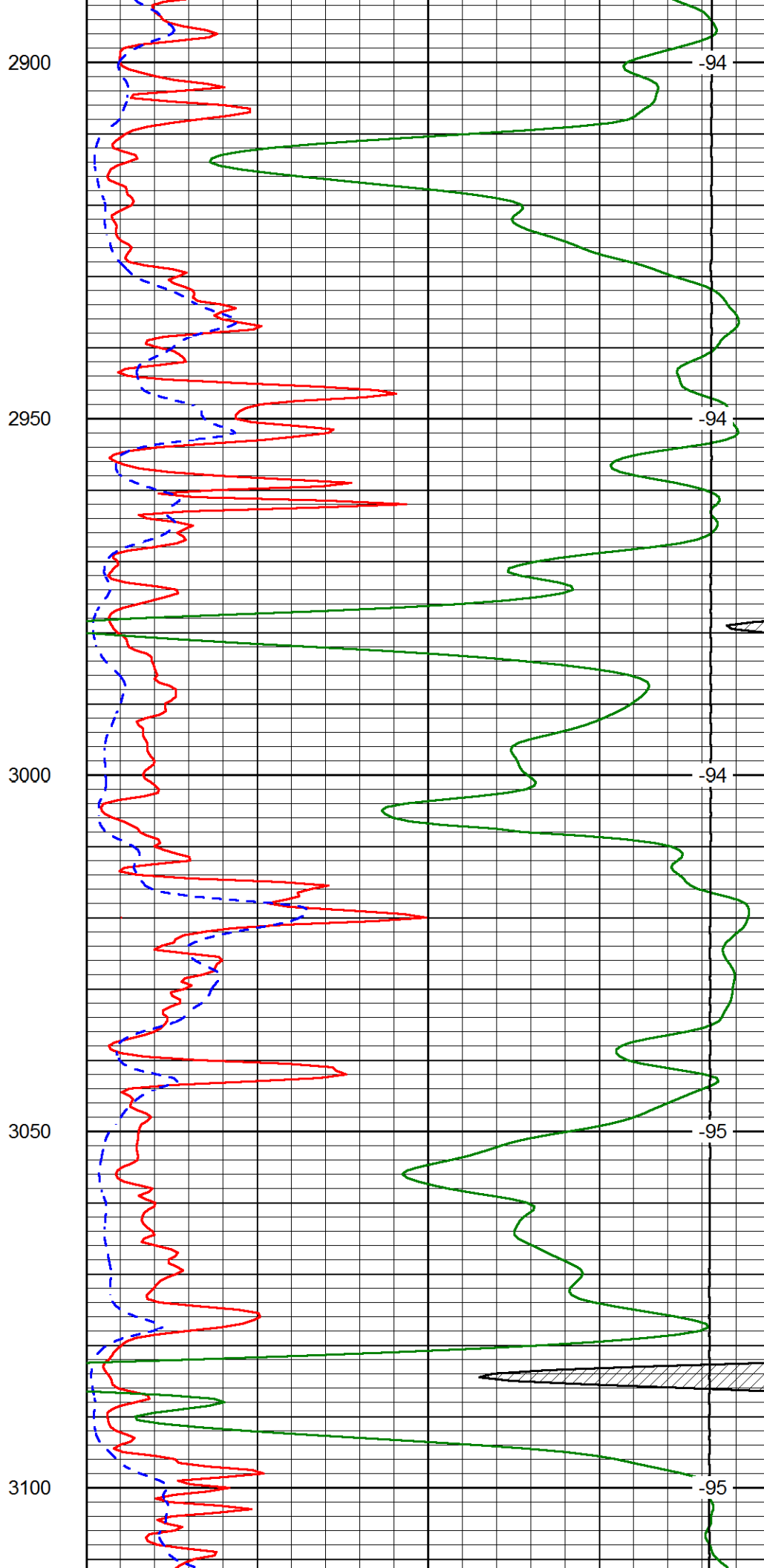
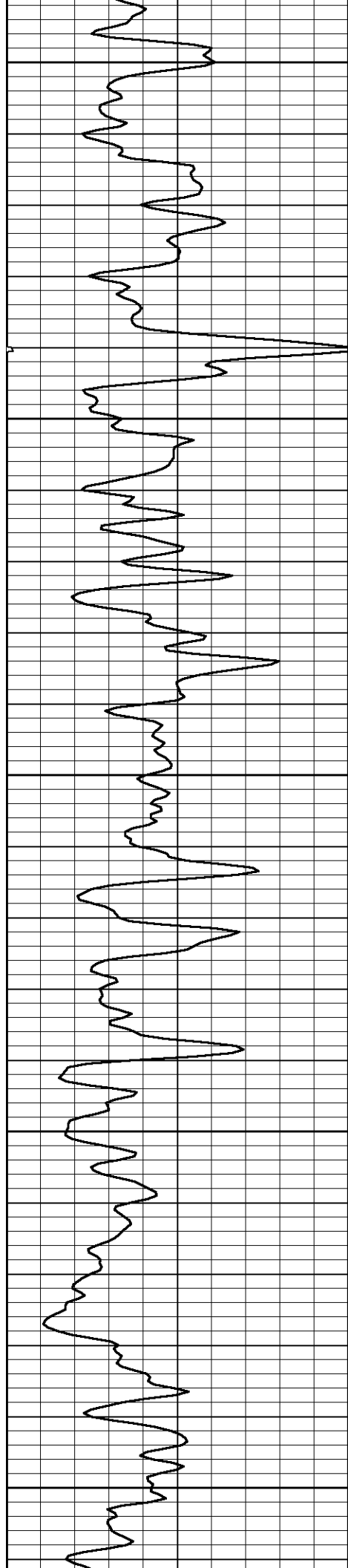
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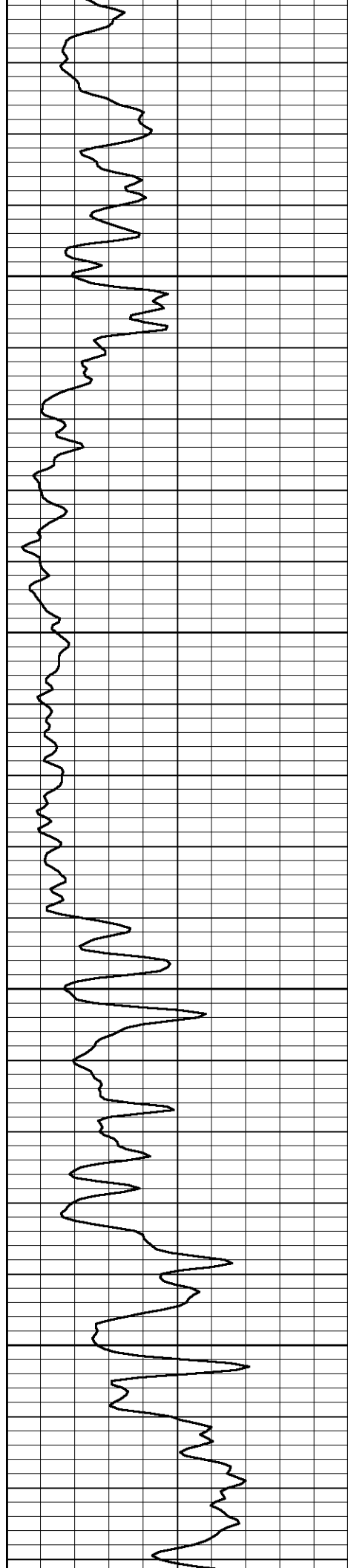
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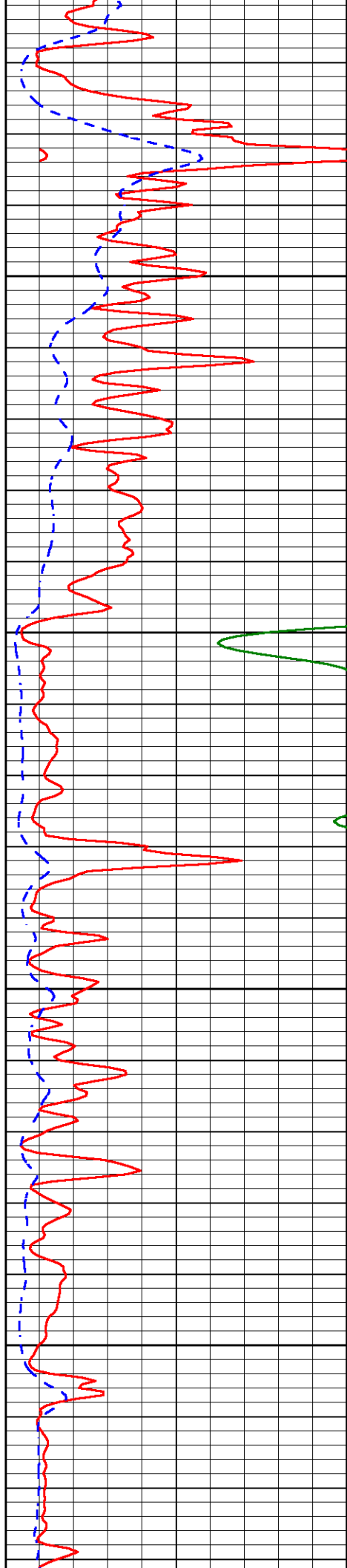


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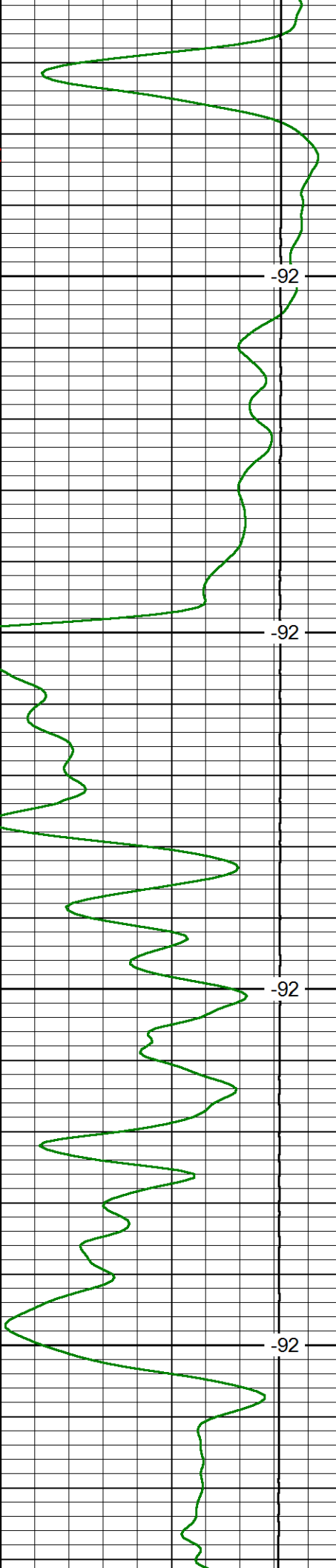


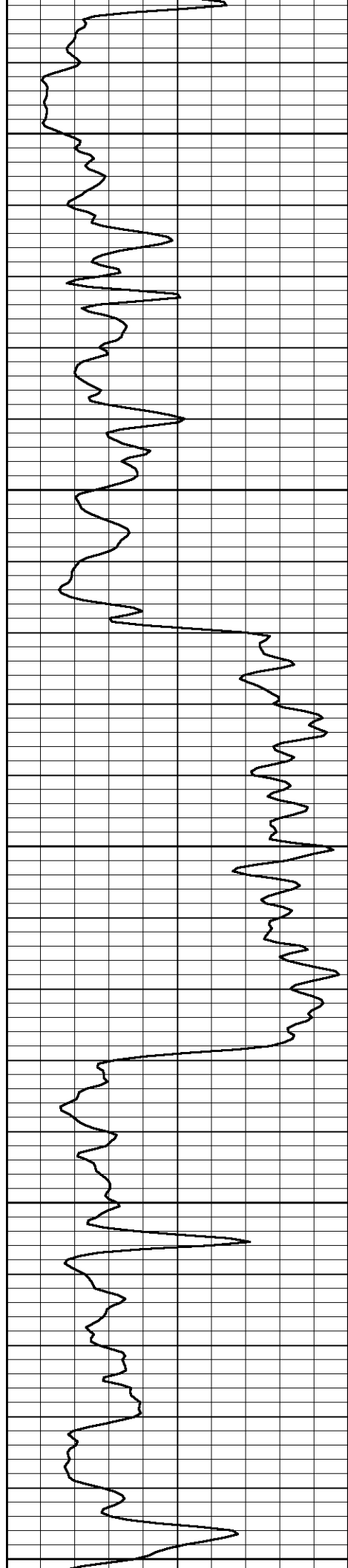
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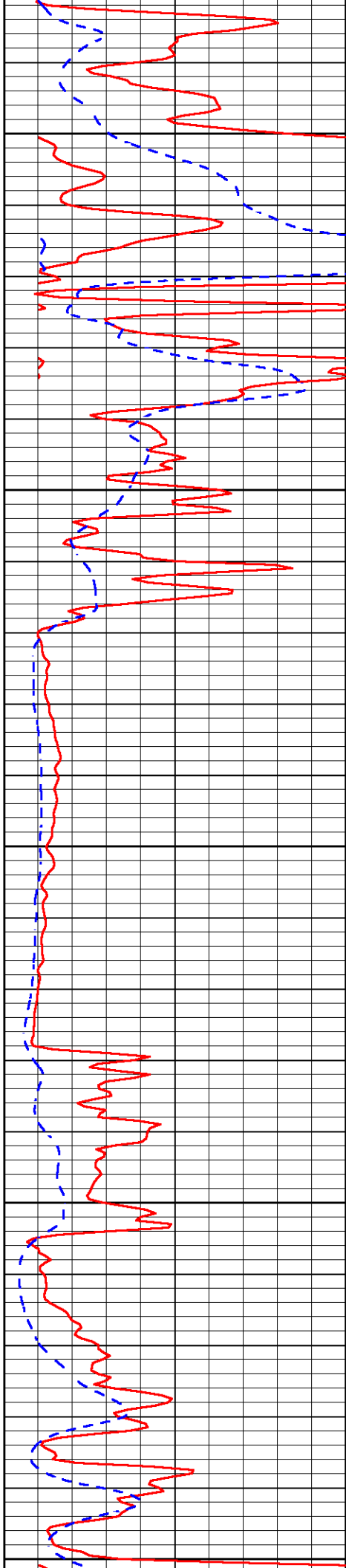
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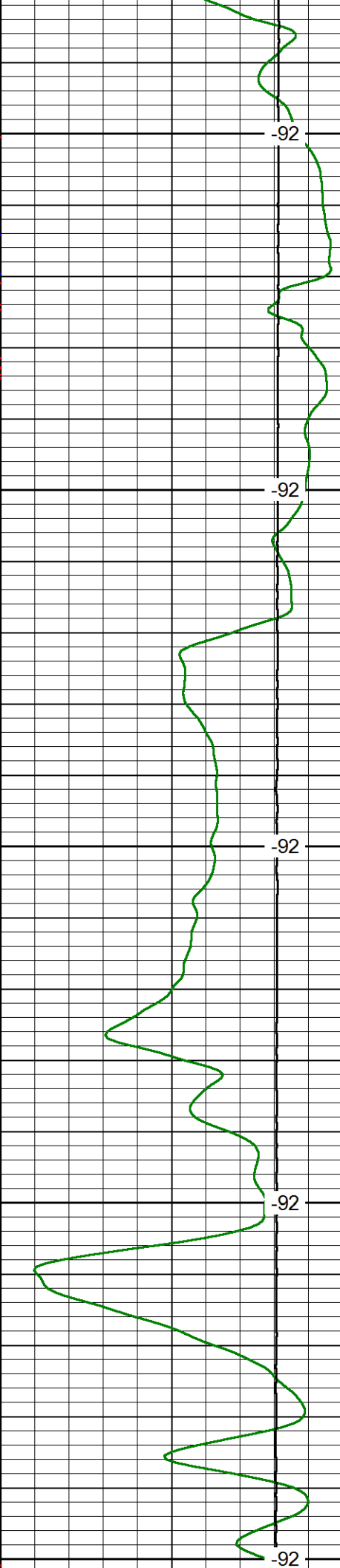
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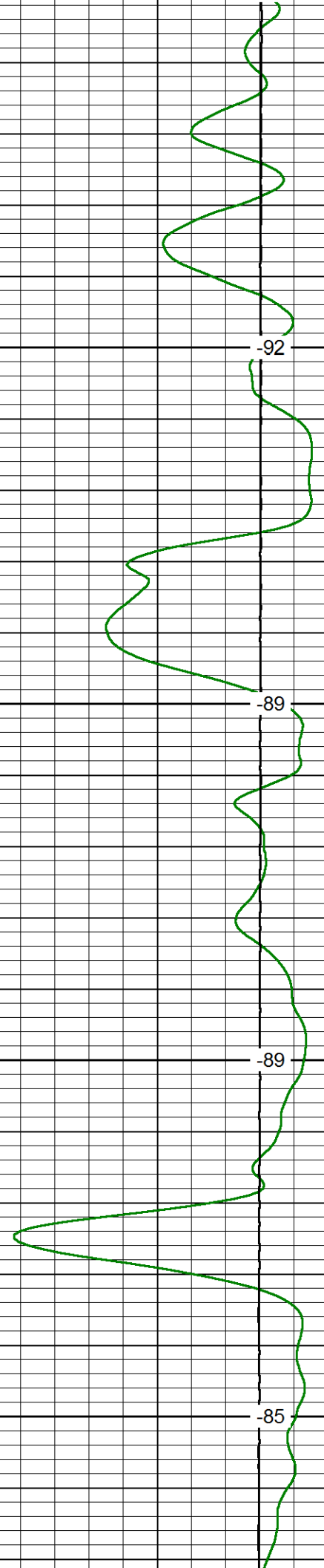
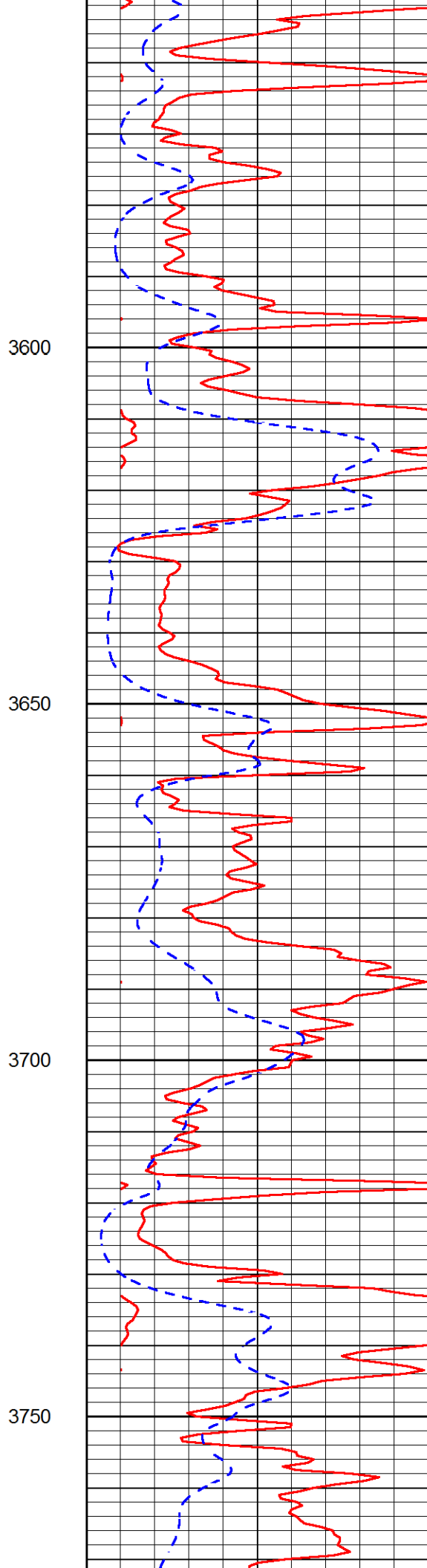
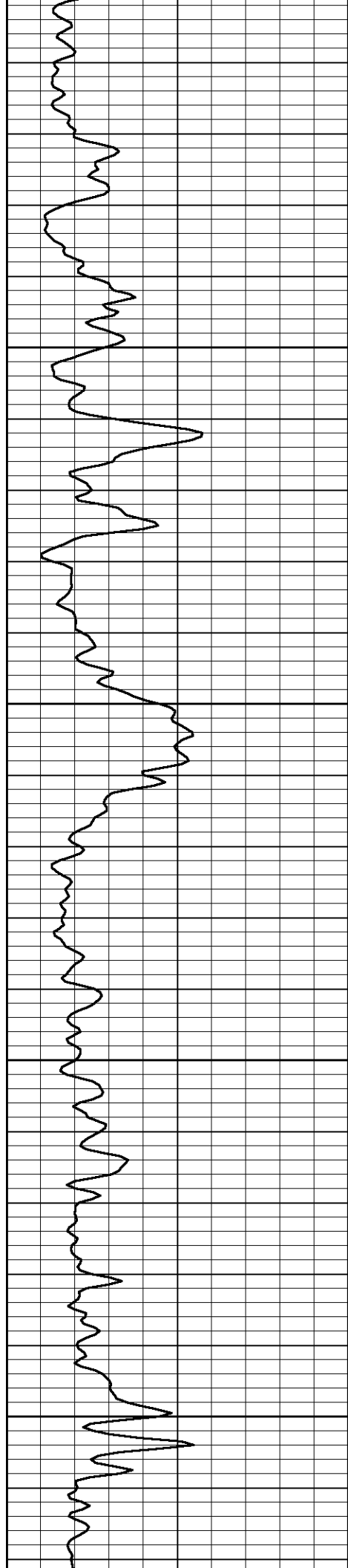
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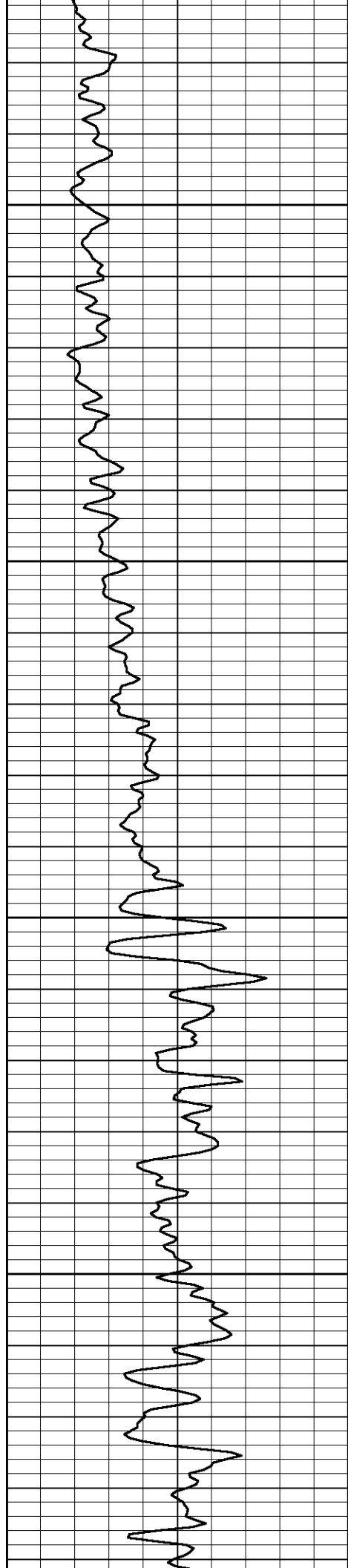
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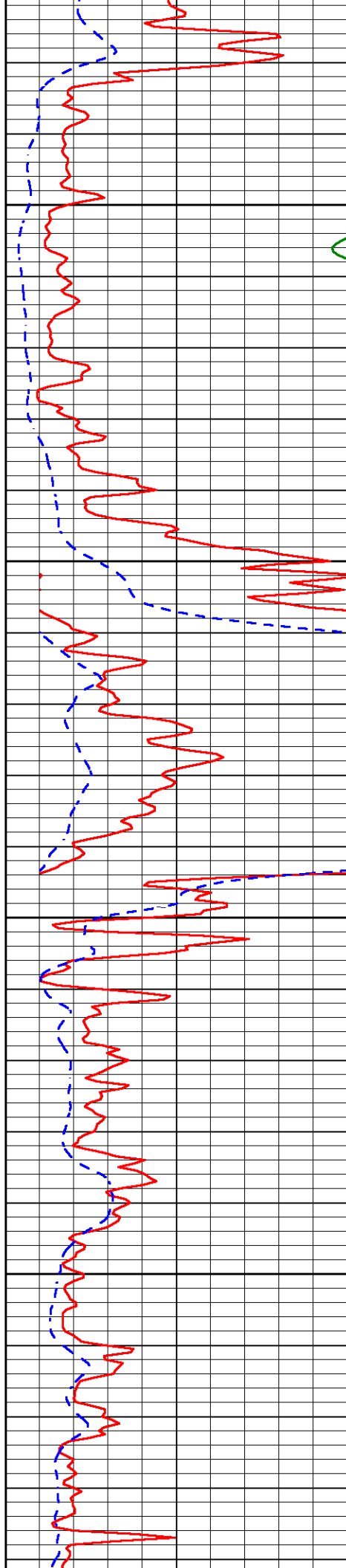


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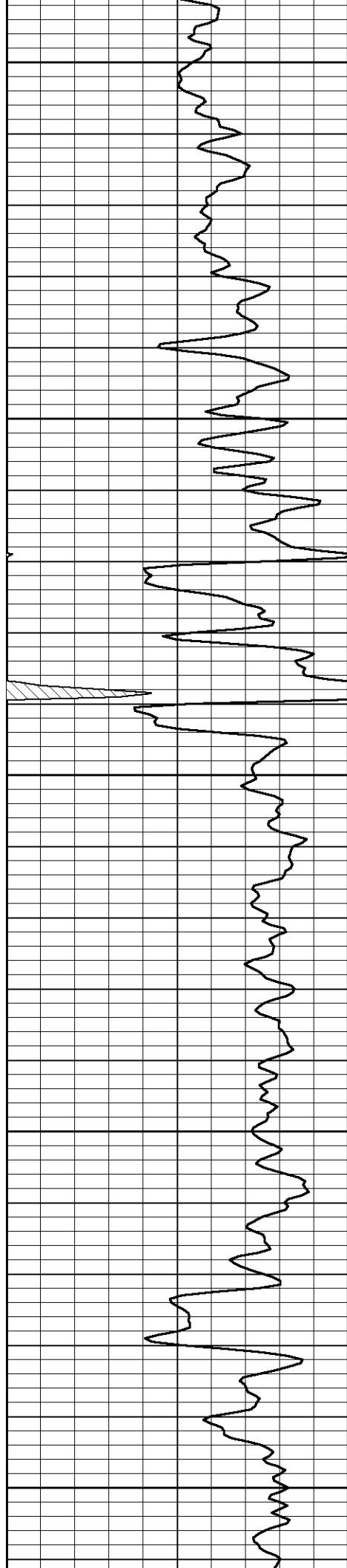
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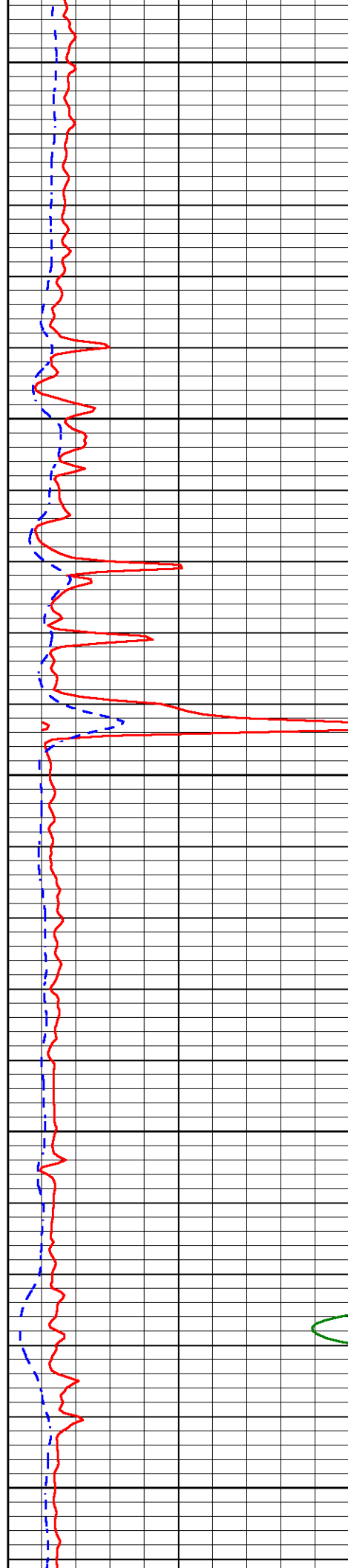
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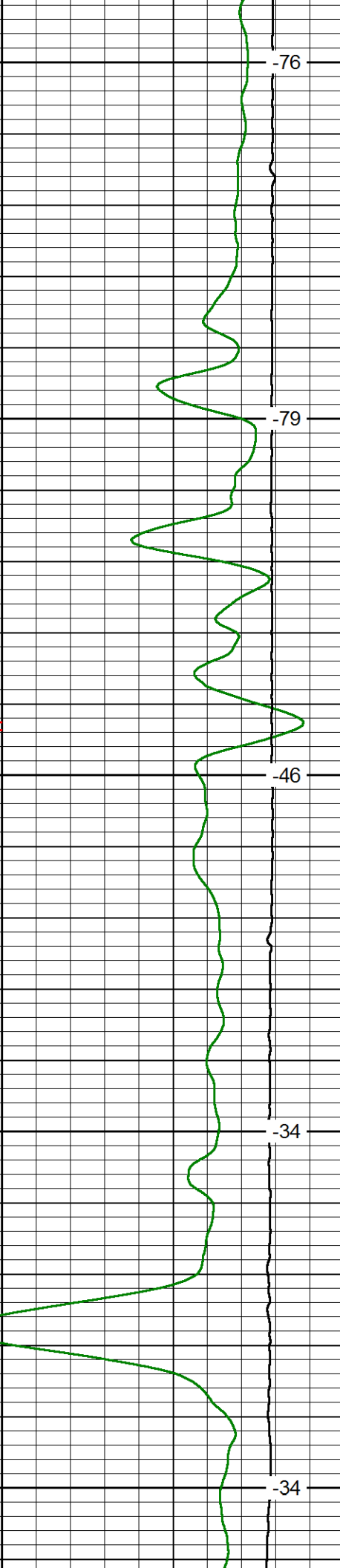
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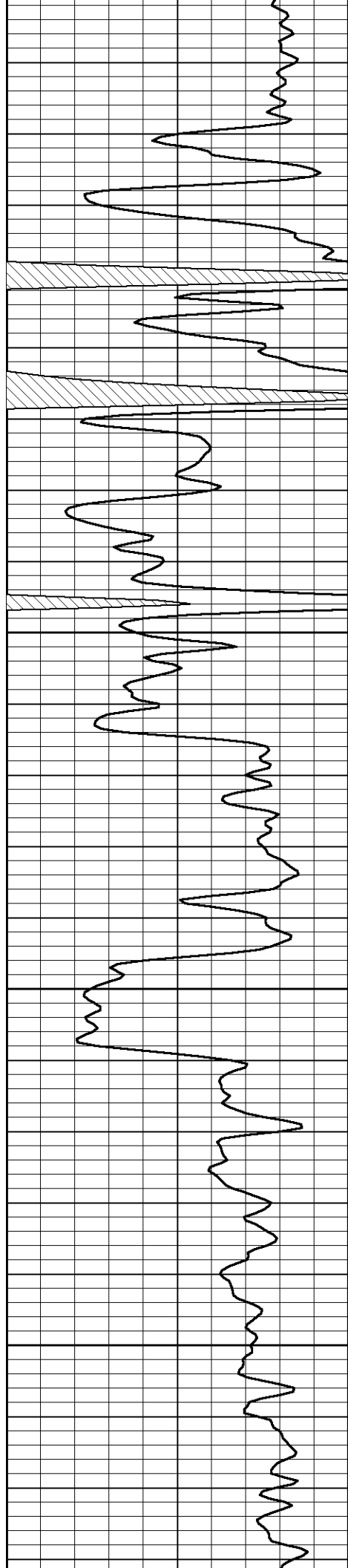
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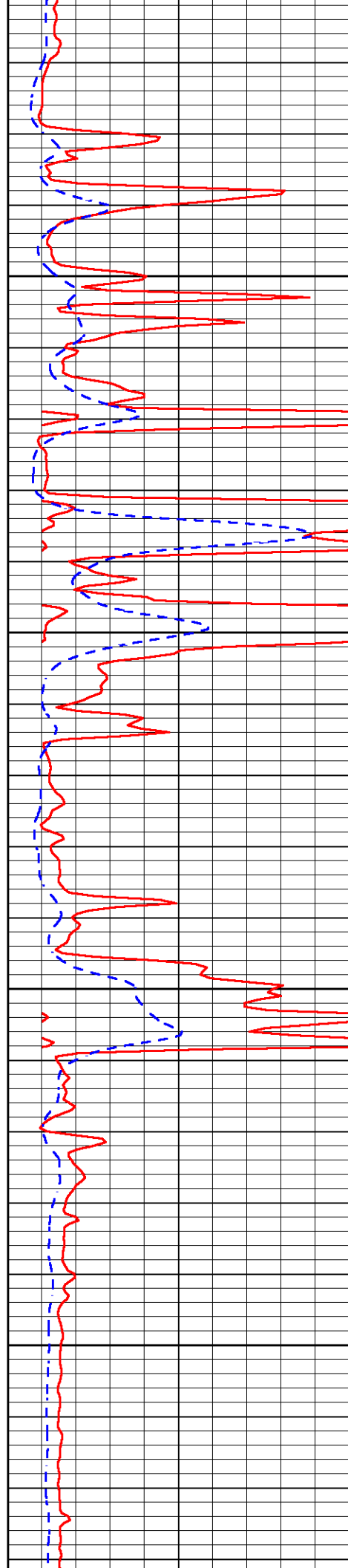


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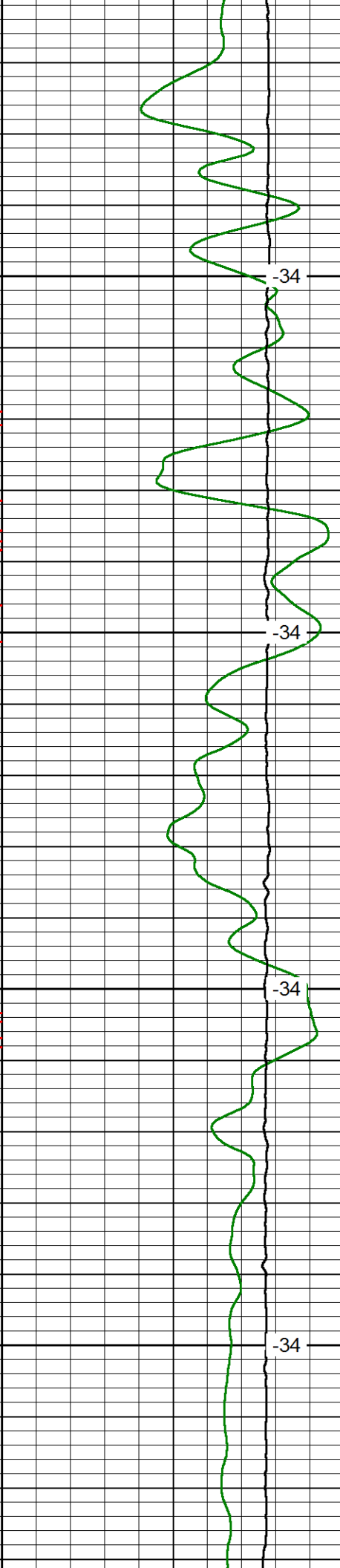


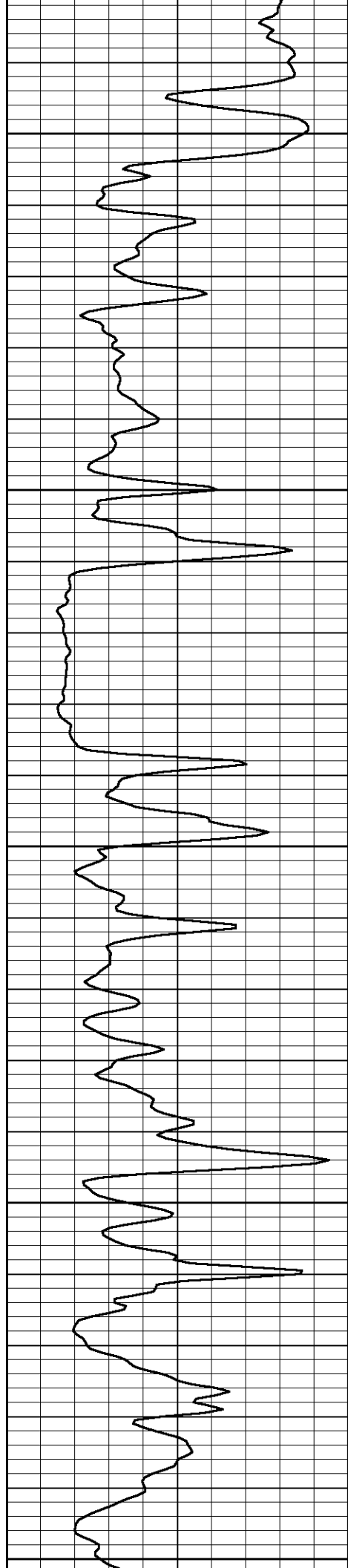
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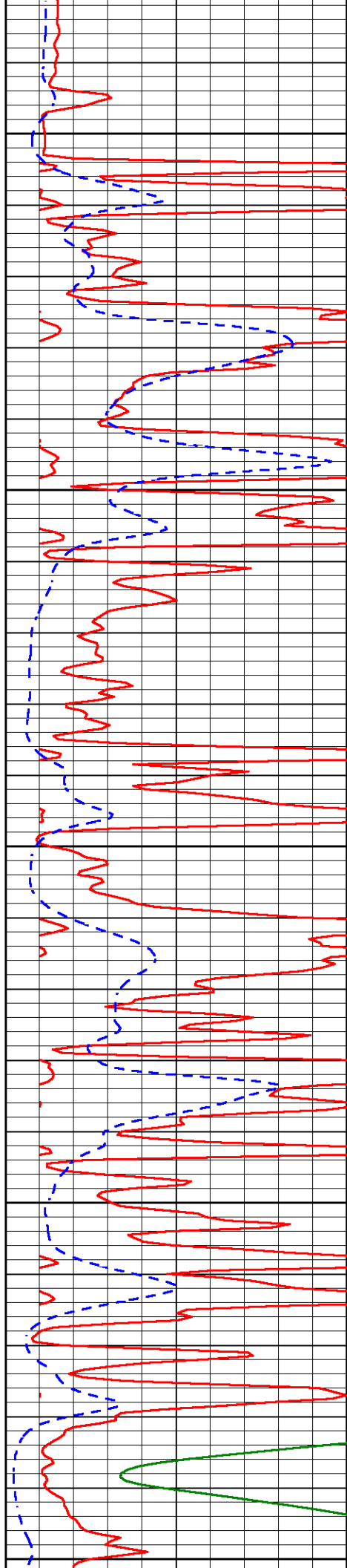
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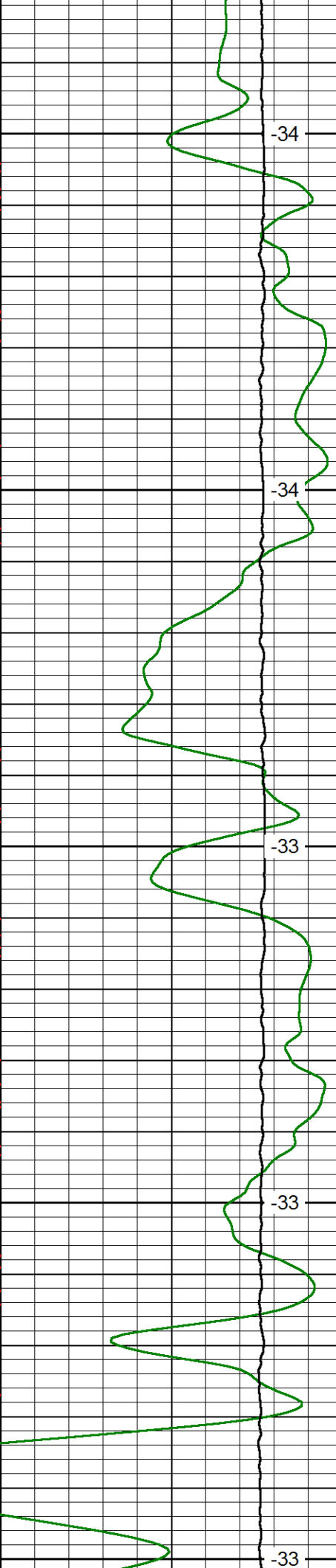
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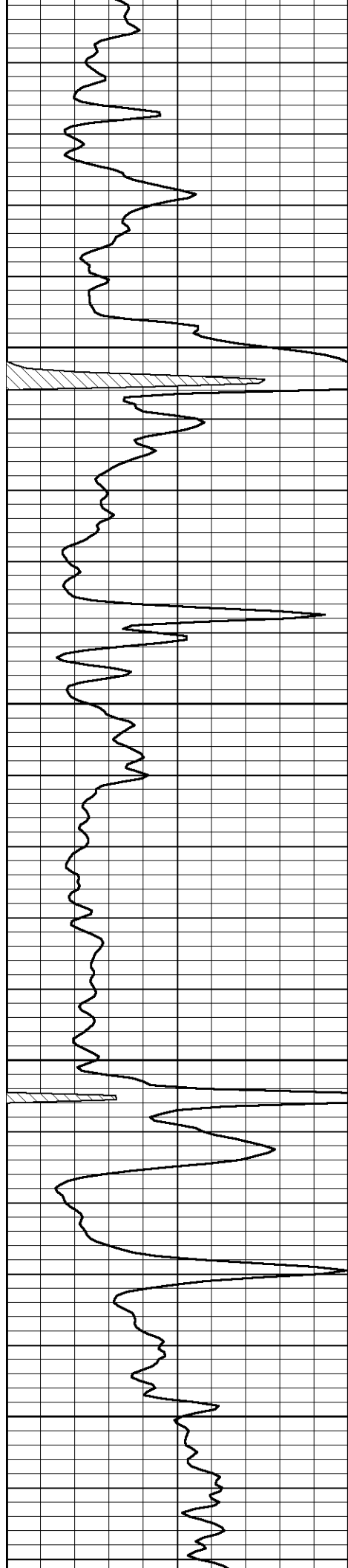
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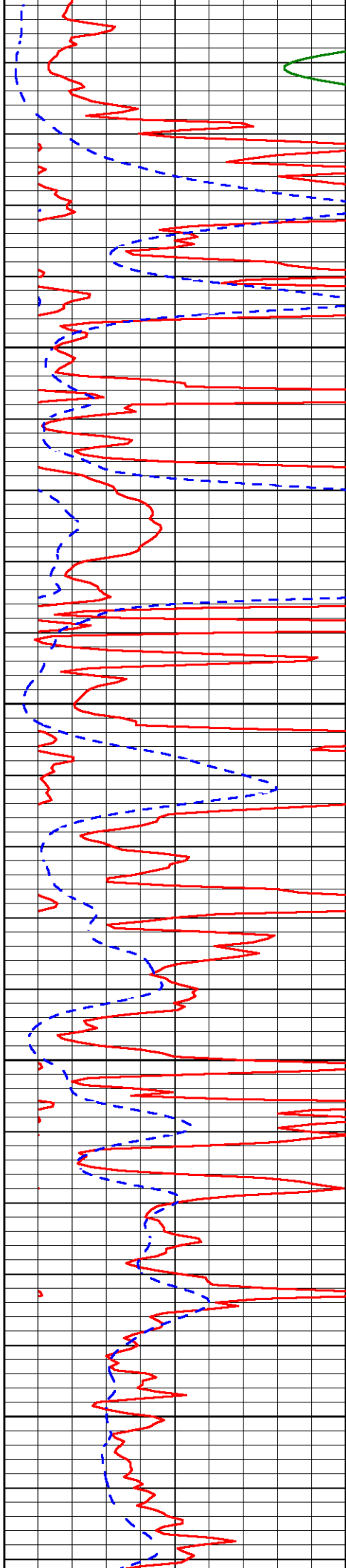


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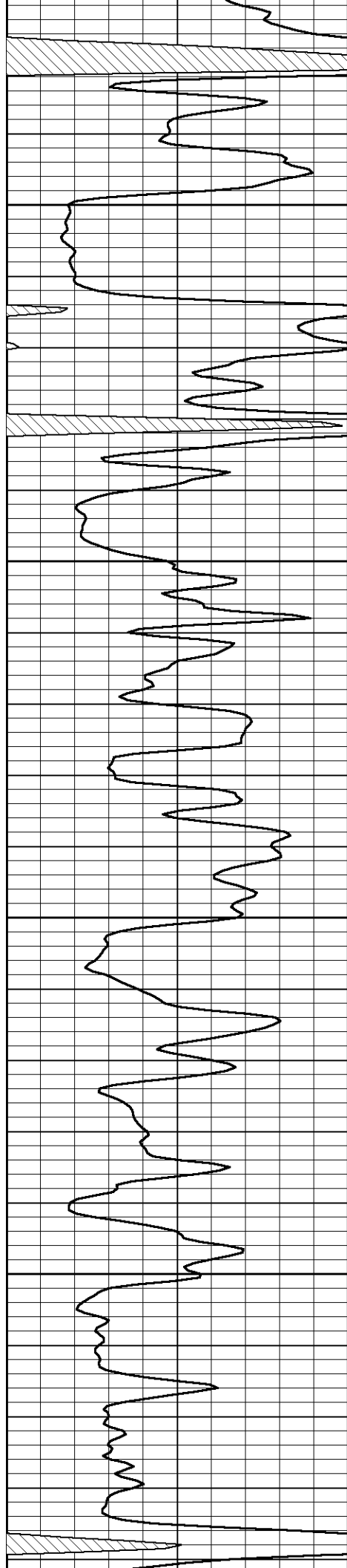


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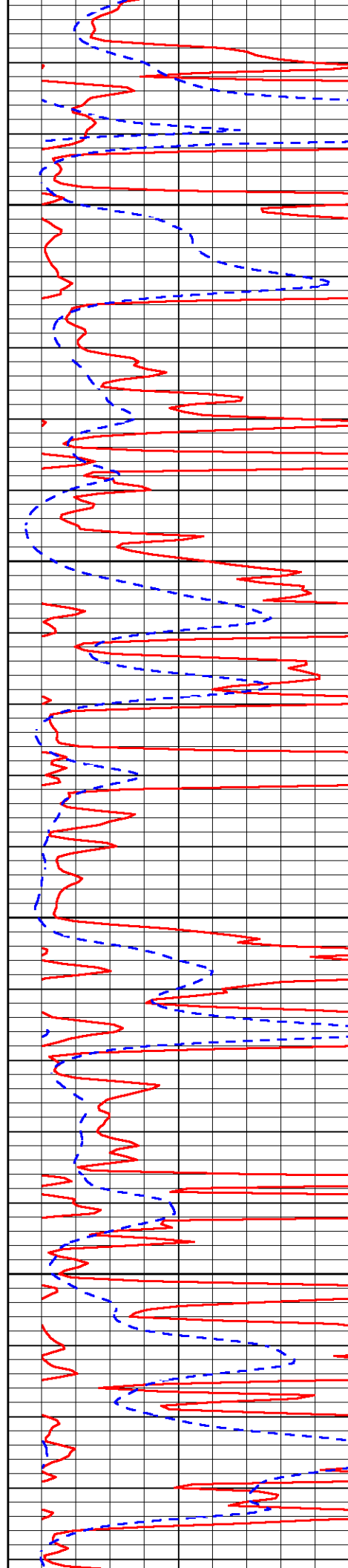


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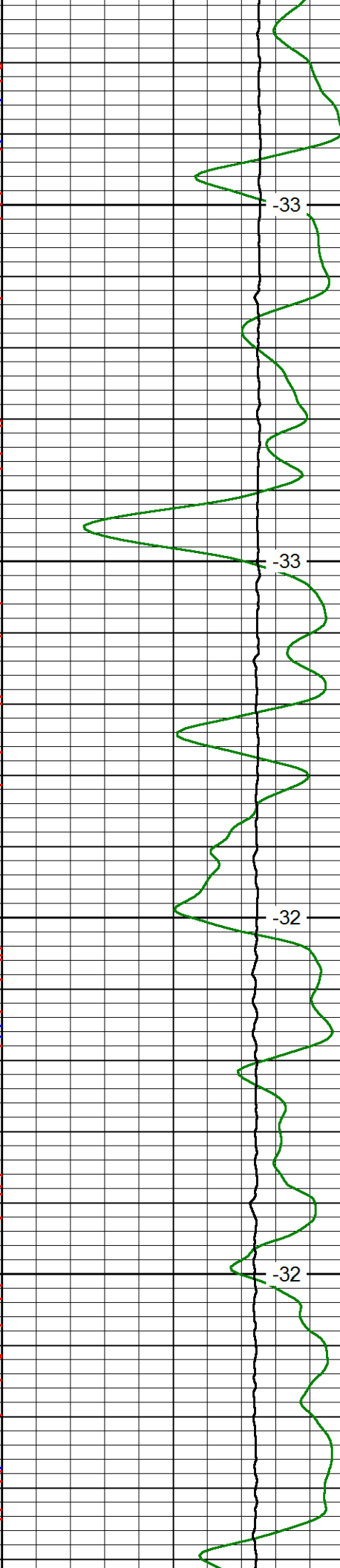


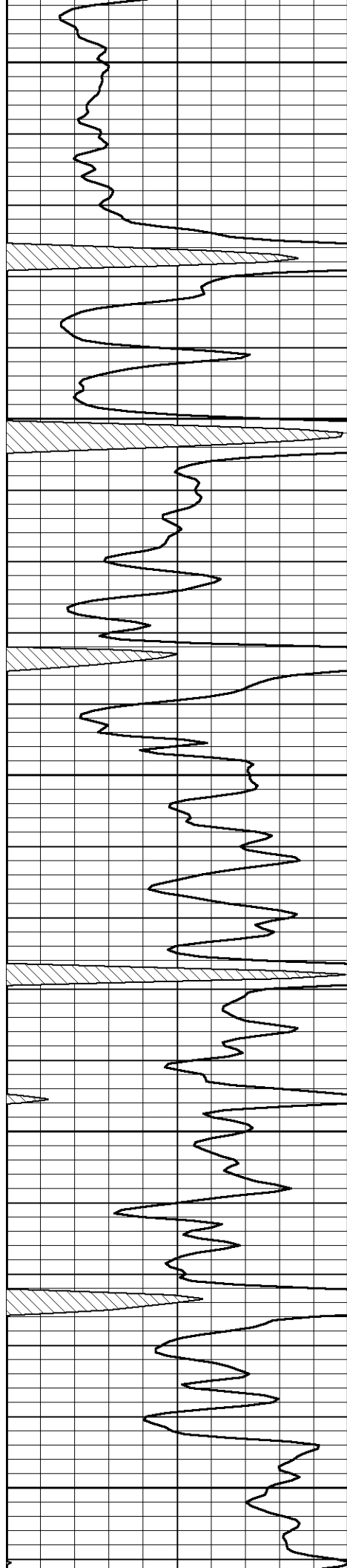
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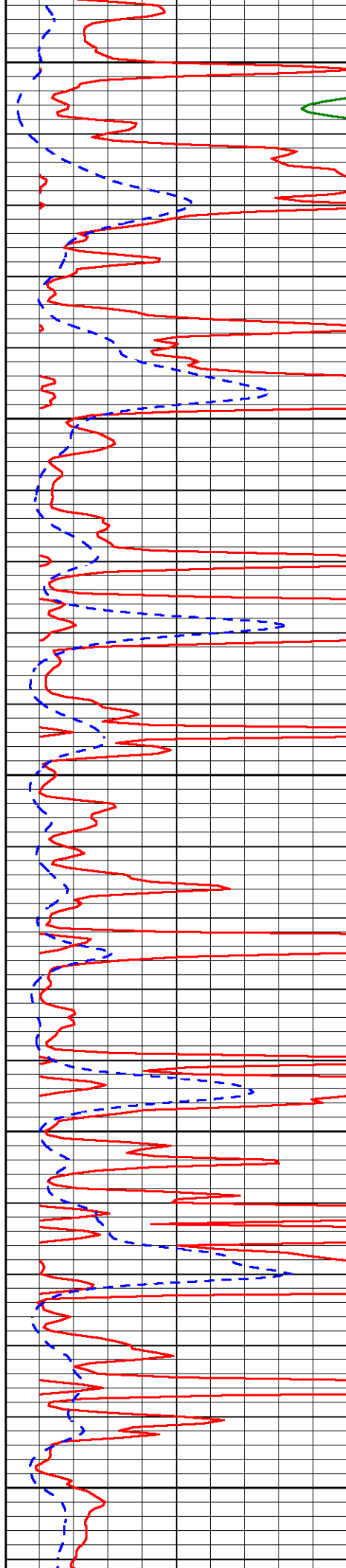
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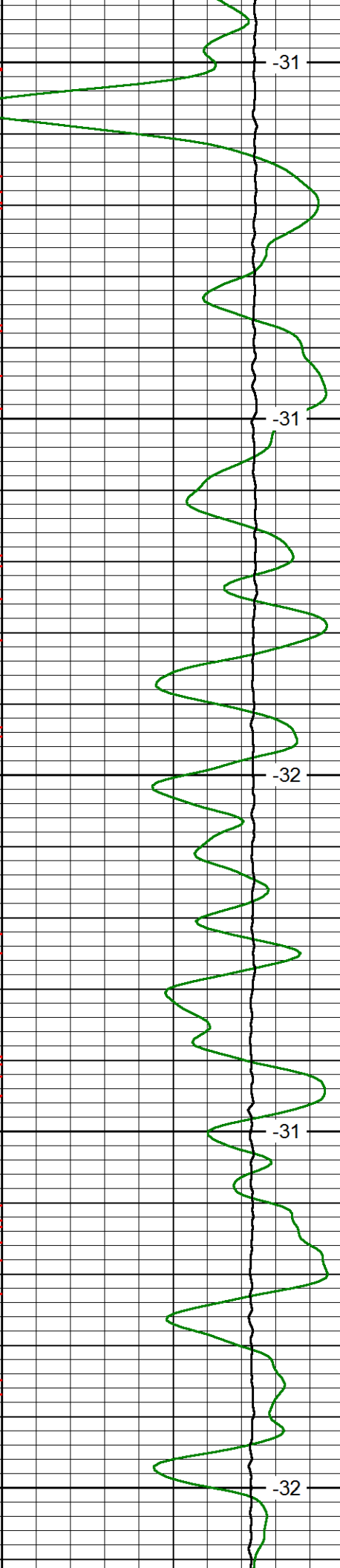
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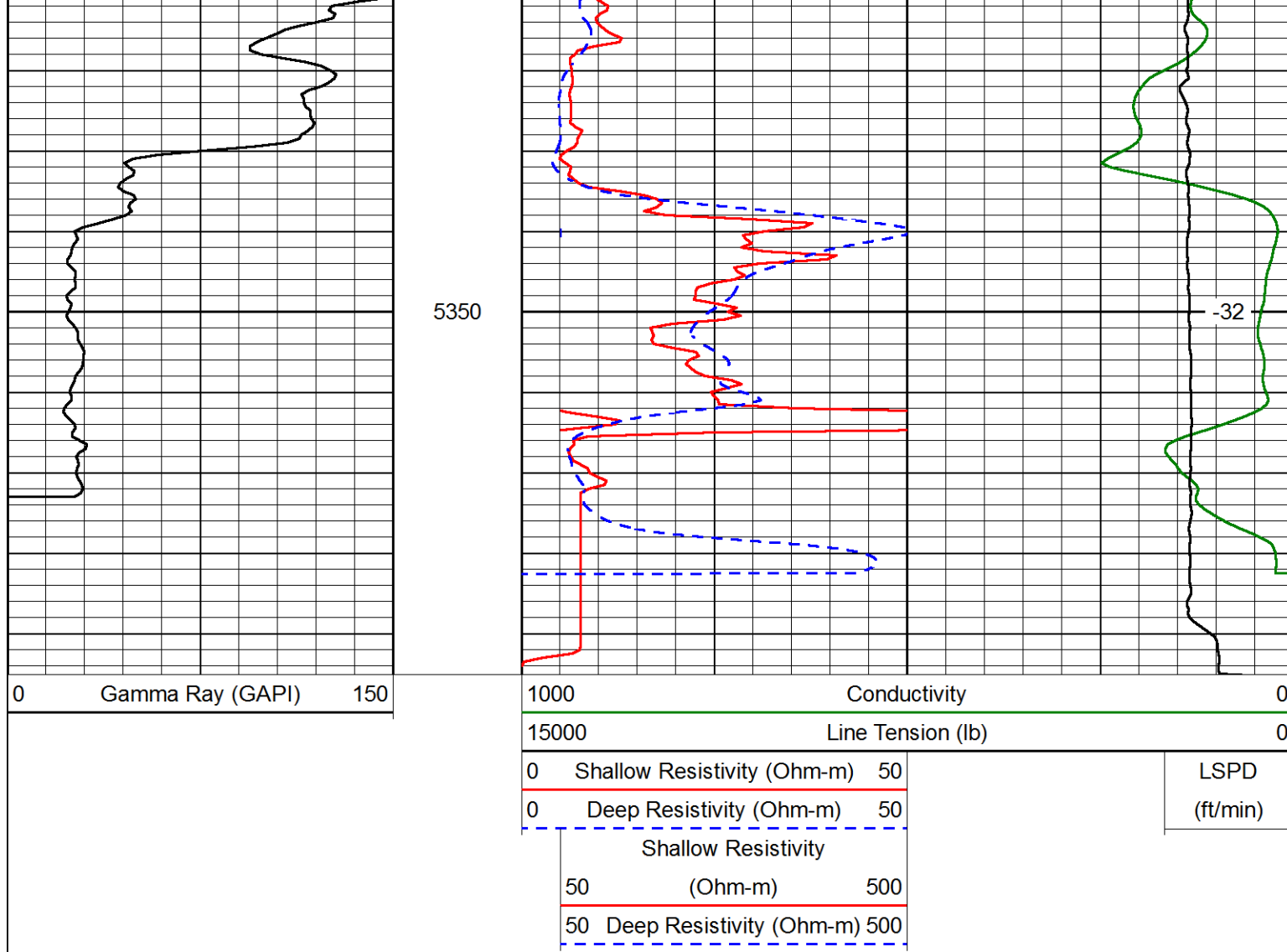
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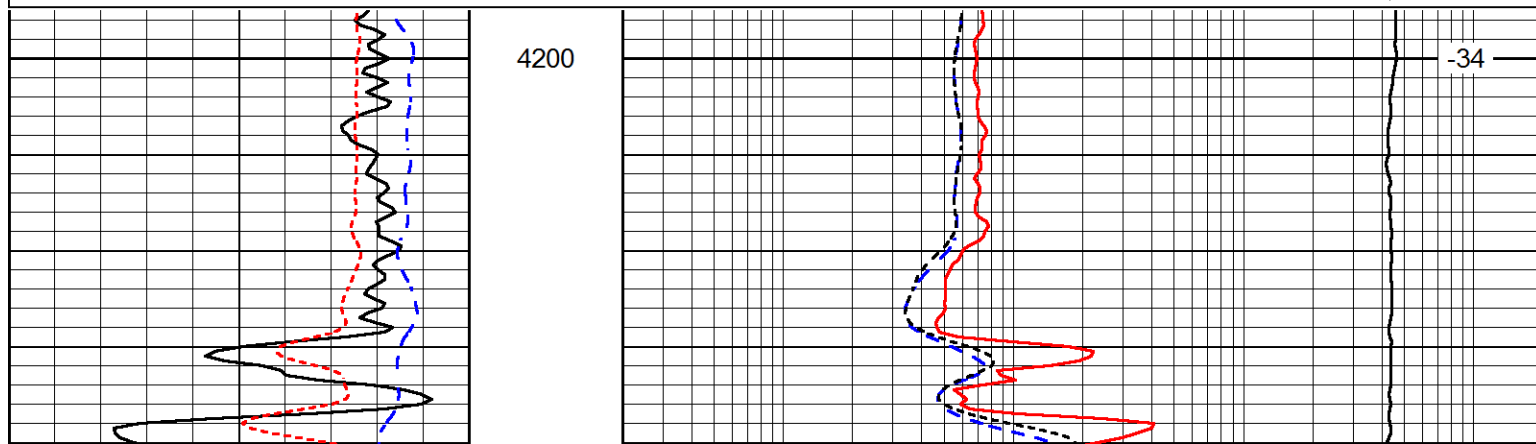
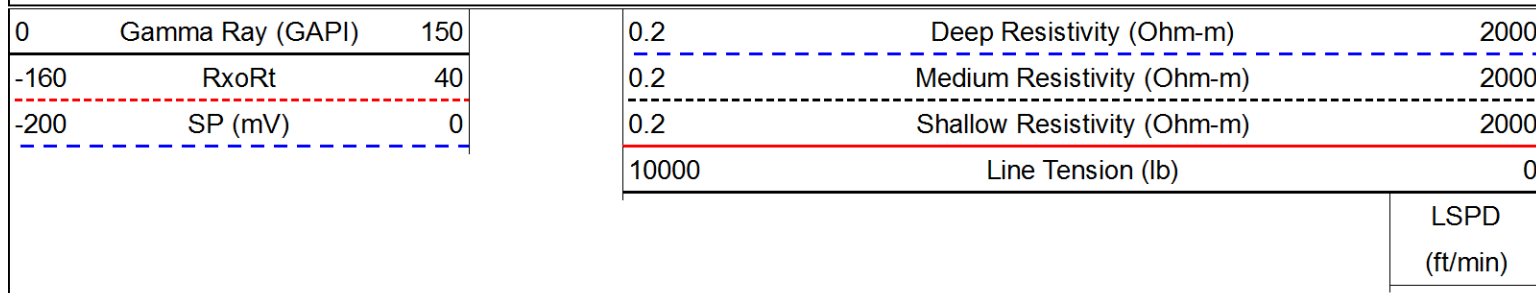
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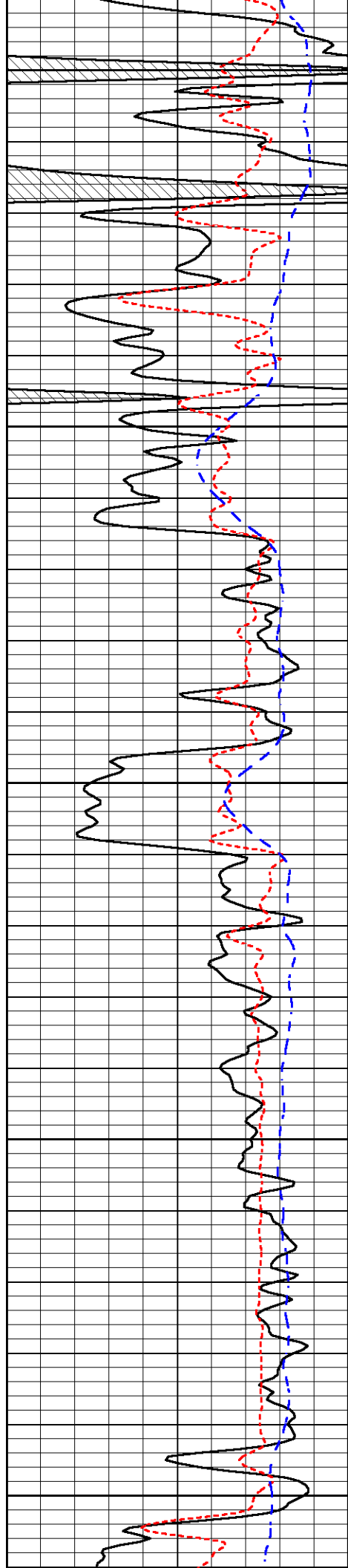
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Database File becker_harrington_1hd.db
 Dataset Pathname DIL/bestack
 Presentation Format dil
 Dataset Creation Sat Aug 06 18:57:16 2016
 Charted by Depth in Feet scaled 1:240





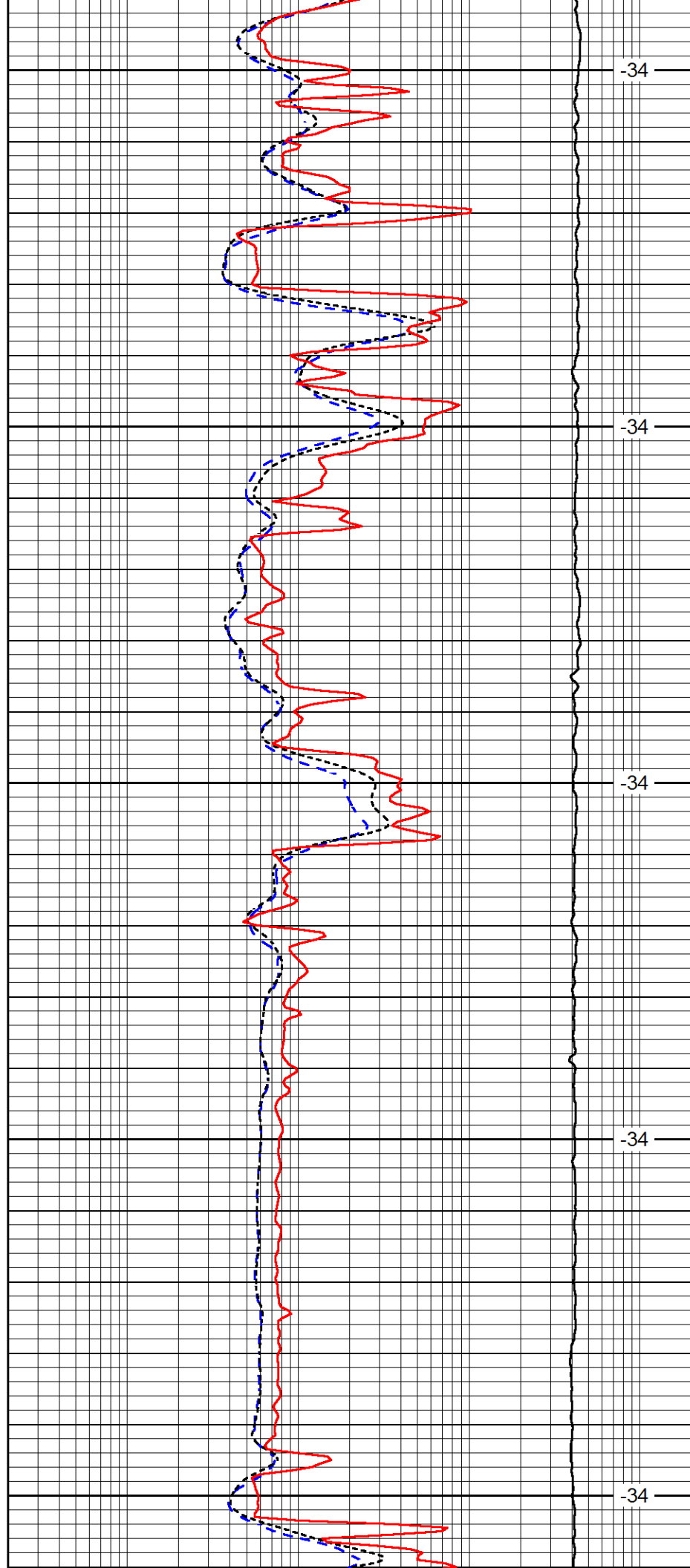
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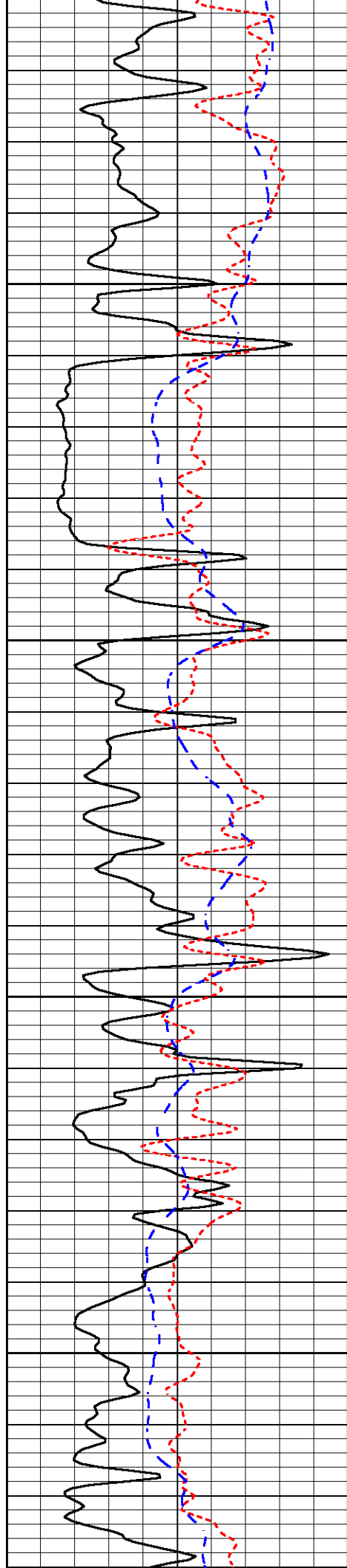
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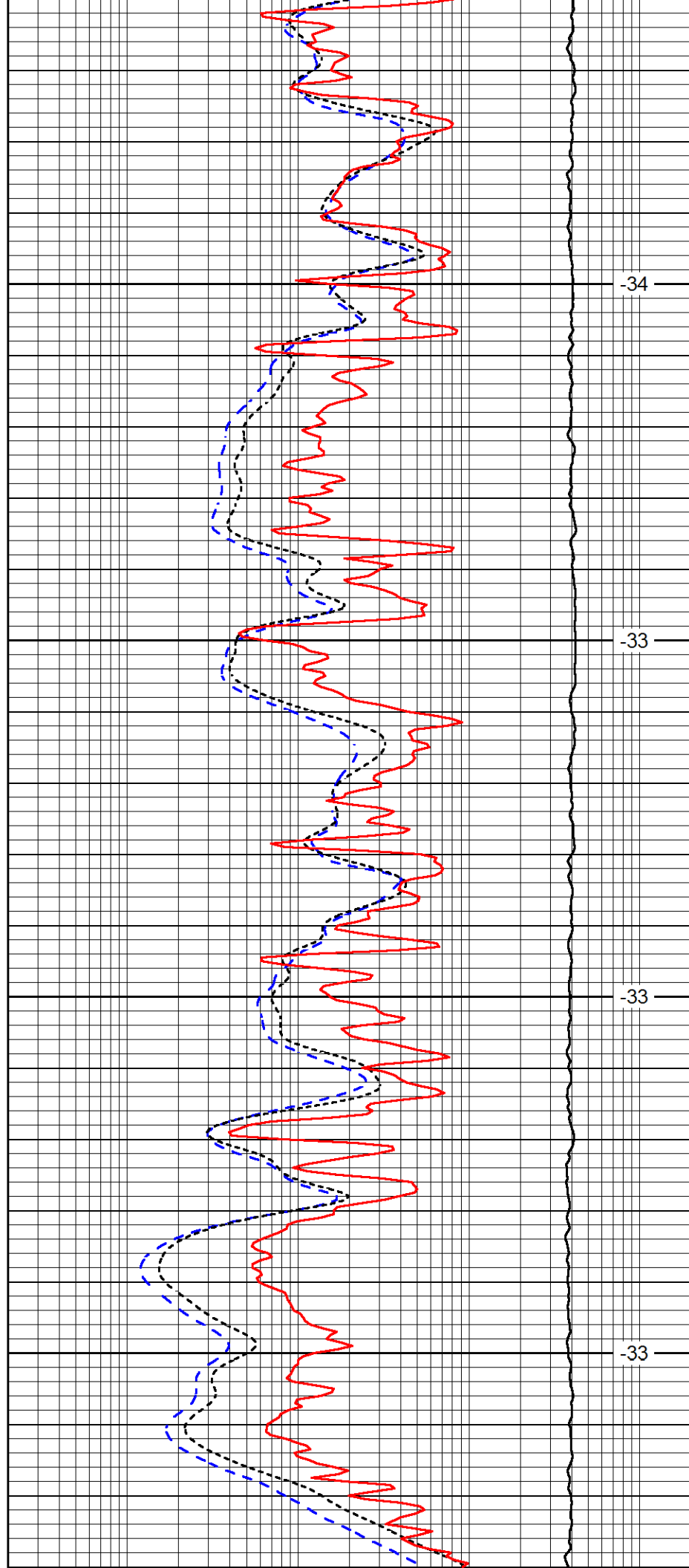


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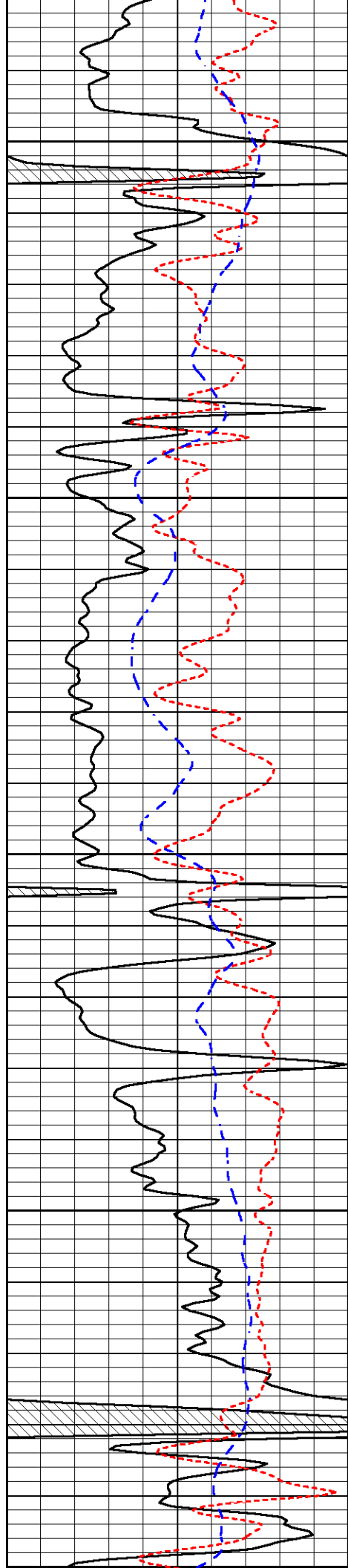


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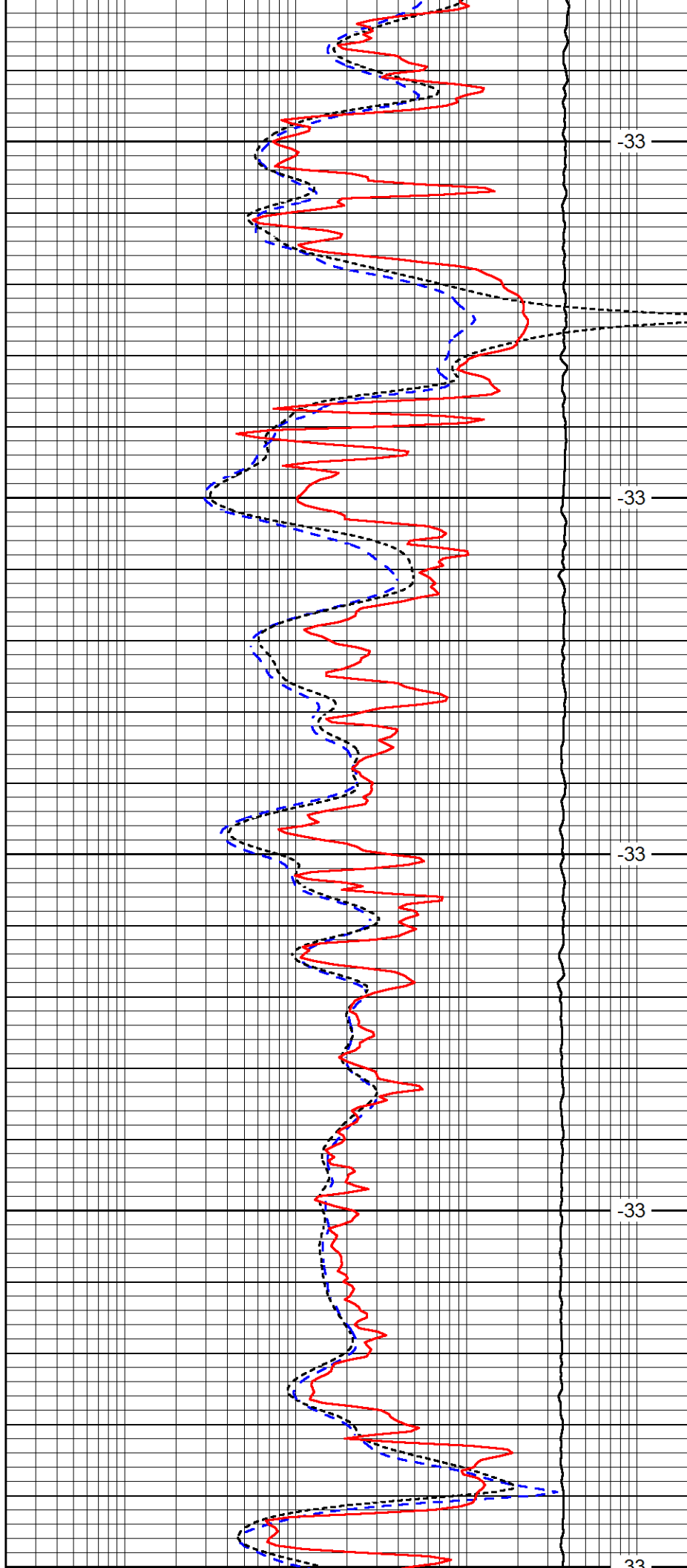
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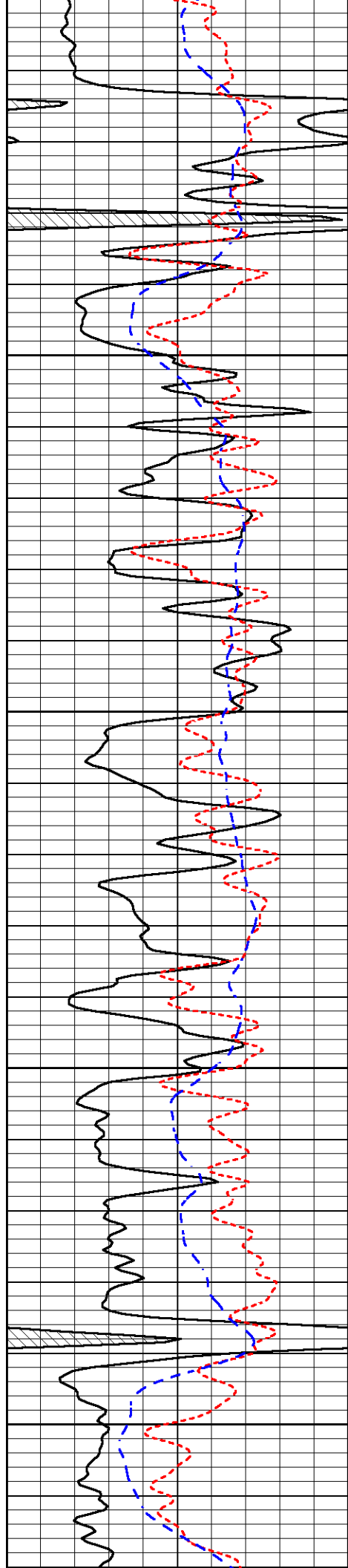
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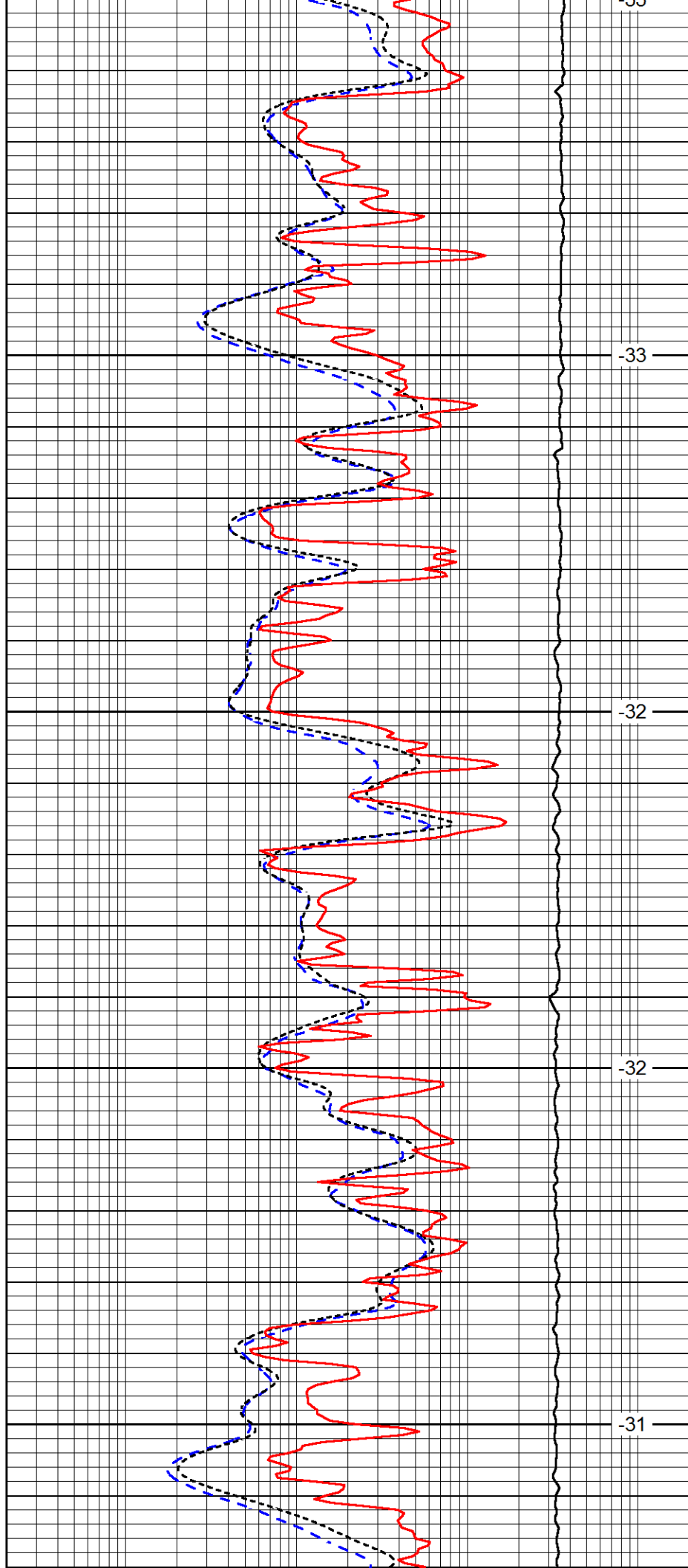
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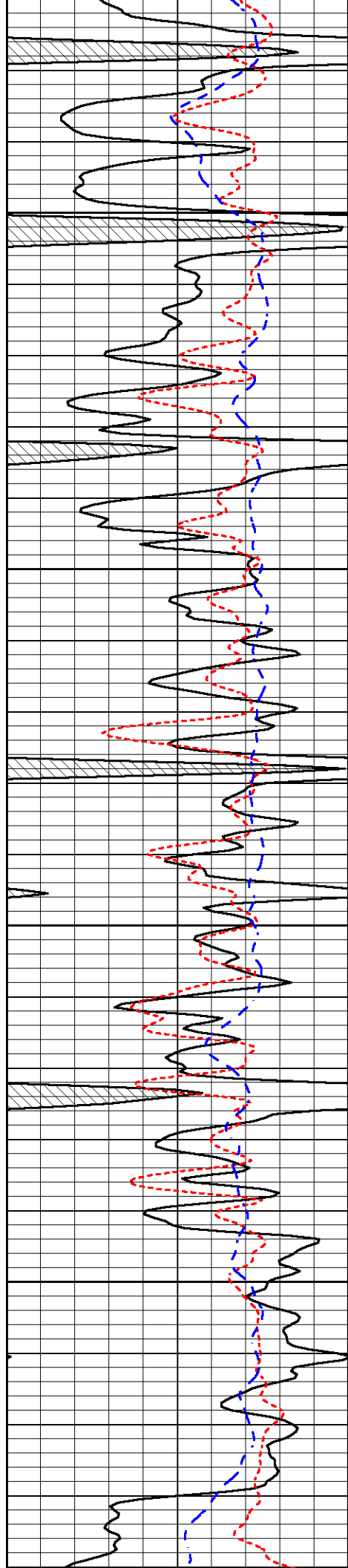
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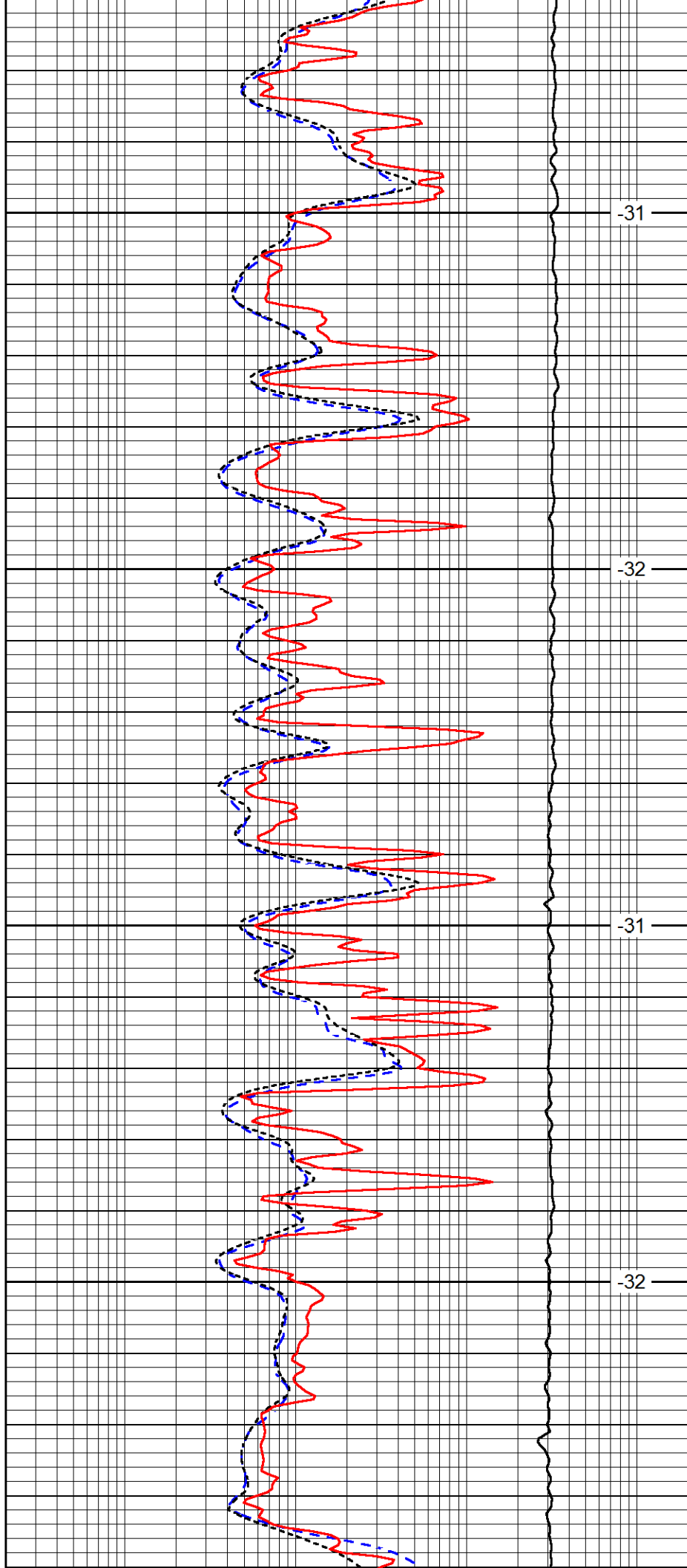


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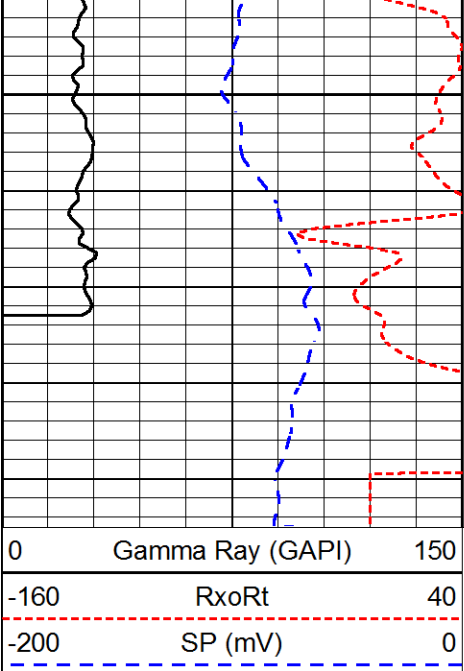


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5350

