



LITHO DENSITY
NEUTRON LOG

Company VAL ENERGY, INC
 Well J & N LAND 2-2
 Field
 County COWLEY State KANSAS

Location: API #: 15-035-24791-00-00
 N/2 S/2 NW/NW
 669' FNL & 660' FWL
 SEC 2 TWP 35S RGE 5E
 Permanent Datum GL Elevation 1259
 Log Measured From KB
 Drilling Measured From KB
 Other Services
 DIL
 MICRO
 Elevation
 K.B. 1268
 D.F. 1267
 G.L. 1259

Date	11-17-2023
Run Number	ONE
Depth Driller	3502
Depth Logger	3499
Bottom Logged Interval	3497
Top Log Interval	SURFACE
Casing Driller	8.625" @ 200
Casing Logger	8.625" @ 200
Bit Size	7.875"
Type Fluid in Hole	MUD
Density / Viscosity	9.5 / 65
pH / Fluid Loss	10.5 / 5.6
Source of Sample	PIT
Rm @ Meas. Temp	2.7 @ 70
Rmf @ Meas. Temp	2.05 @ 70
Rmc @ Meas. Temp	3.15 @ 70
Source of Rmf / Rmc	CALCULATED
Rm @ BHT	1.88 @ 109
Time Circulation Stopped	8:30 PM
Time Logger on Bottom	11:00 PM
Maximum Recorded Temperature	109
Equipment Number	OW2
Location	HOMINY, OK
Recorded By	MACKAY
Witnessed By	MR. WOLFE TYLER

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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

FILE # OW2-9238 VAL ENERGY
 KIDD
 THANK YOU FOR USING OSAGE WIRELINE

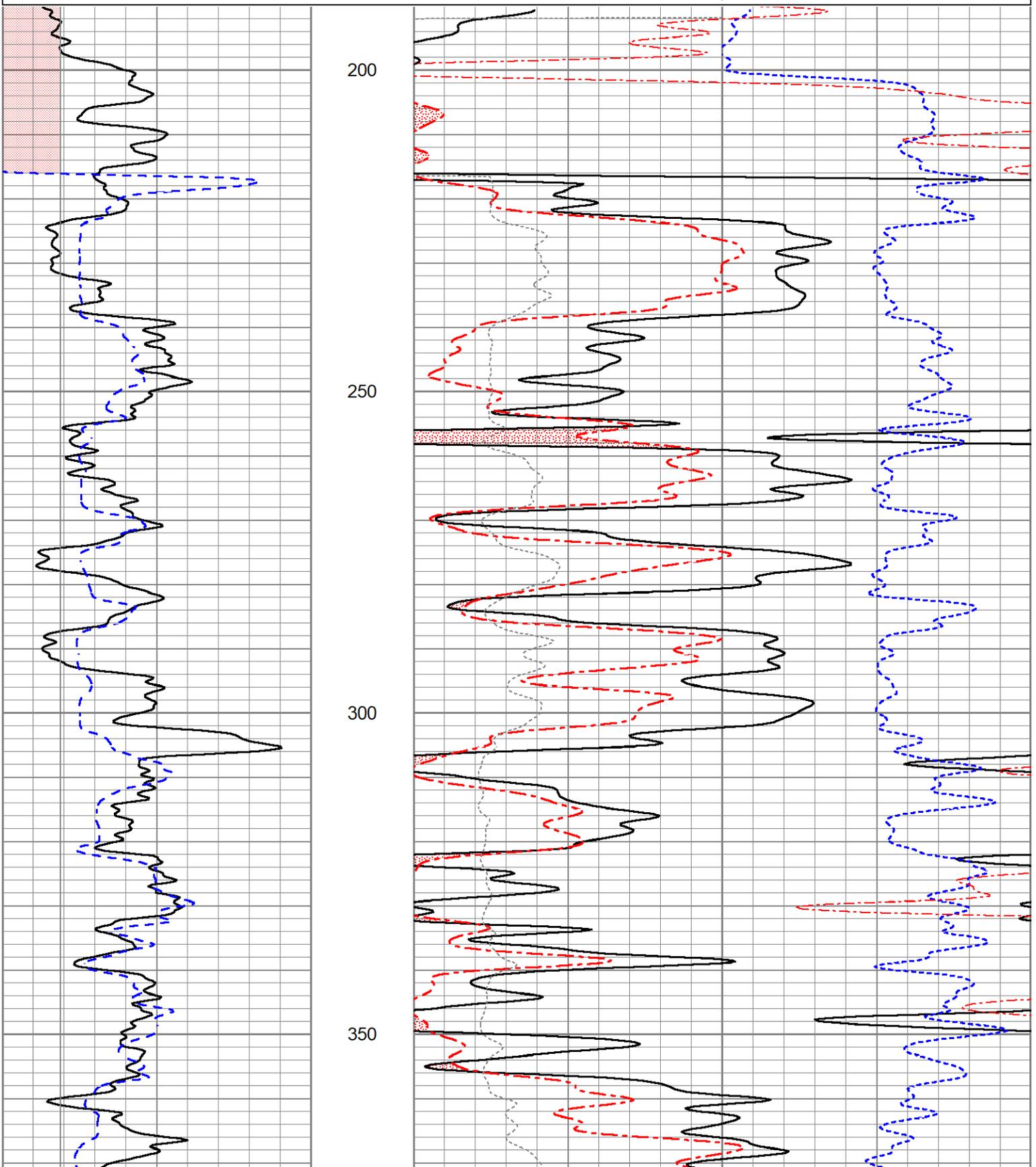


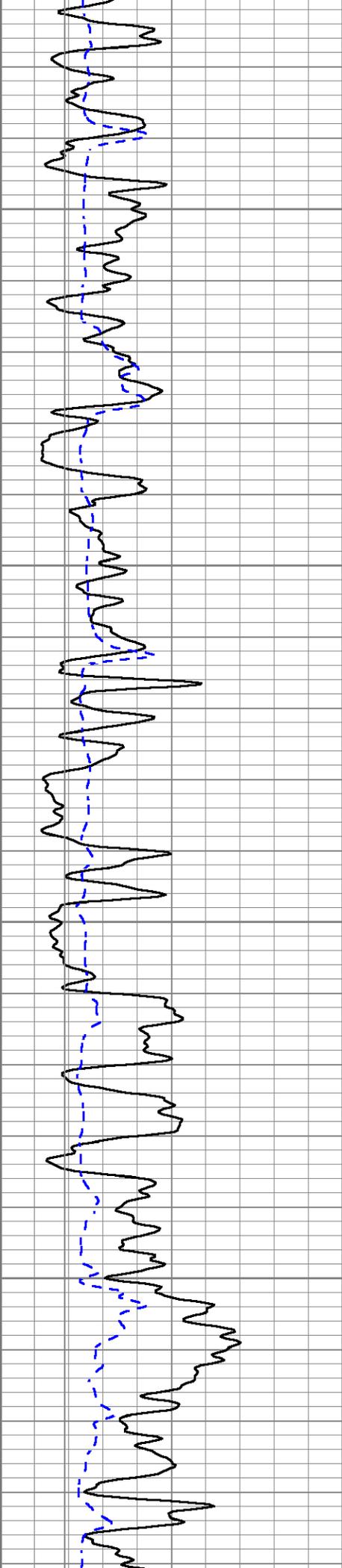
5" DENSITY NEUTRON LOG

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 Presentation Format stcdIn-6-16_5
 Dataset Creation Sat Nov 18 06:21:35 2023
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Bit size (in)	16
6	Density Caliper (in)	16

30	Density Porosity (pu)	-10
30	Neutron Porosity (pu)	-10
0	PE (barn)	10
-0.25	Correction (g/cc)	0.25
3000	Line Tension (lb)	500



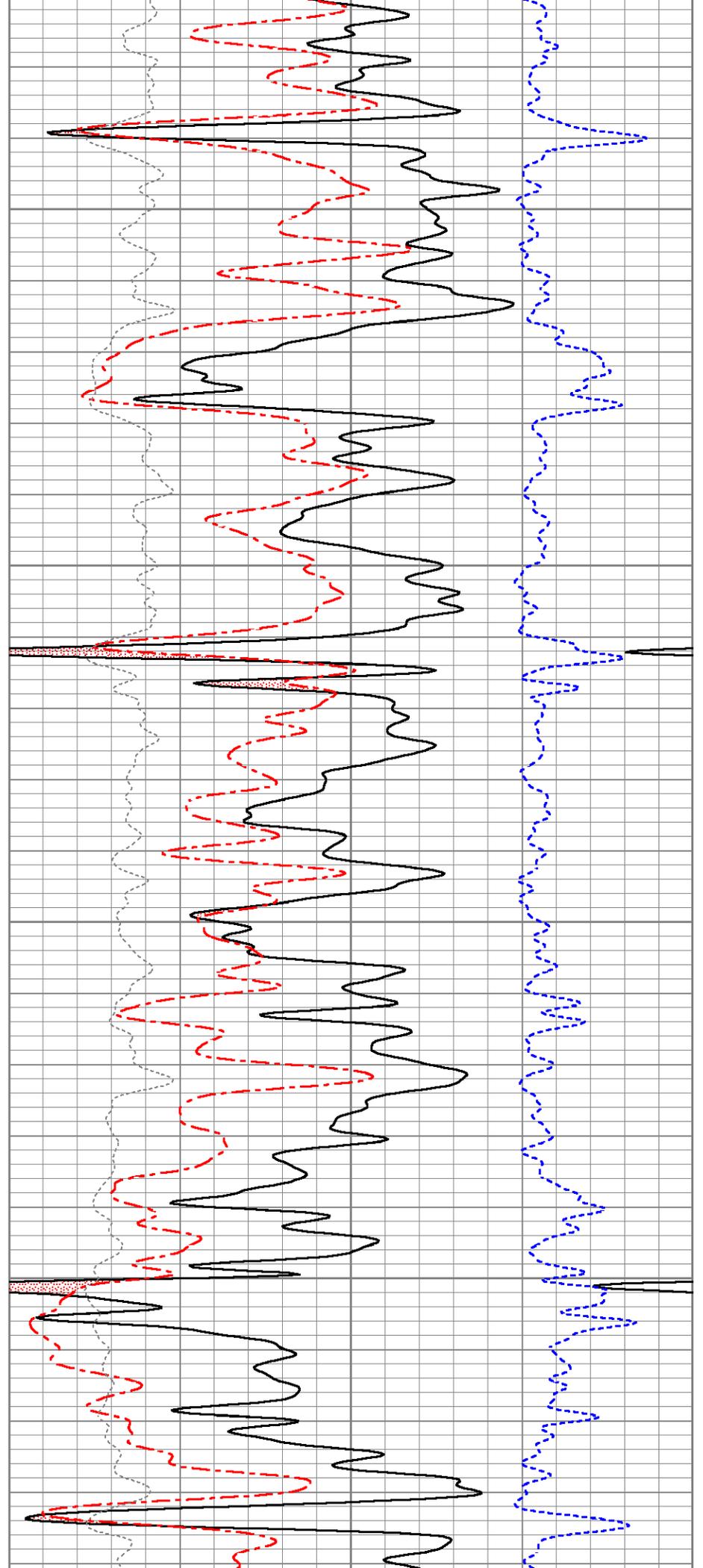


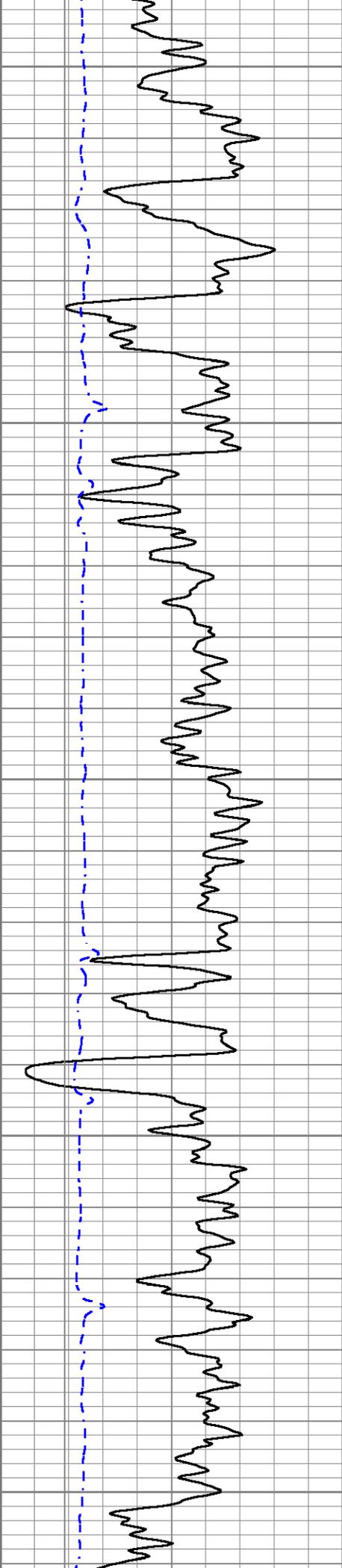
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550





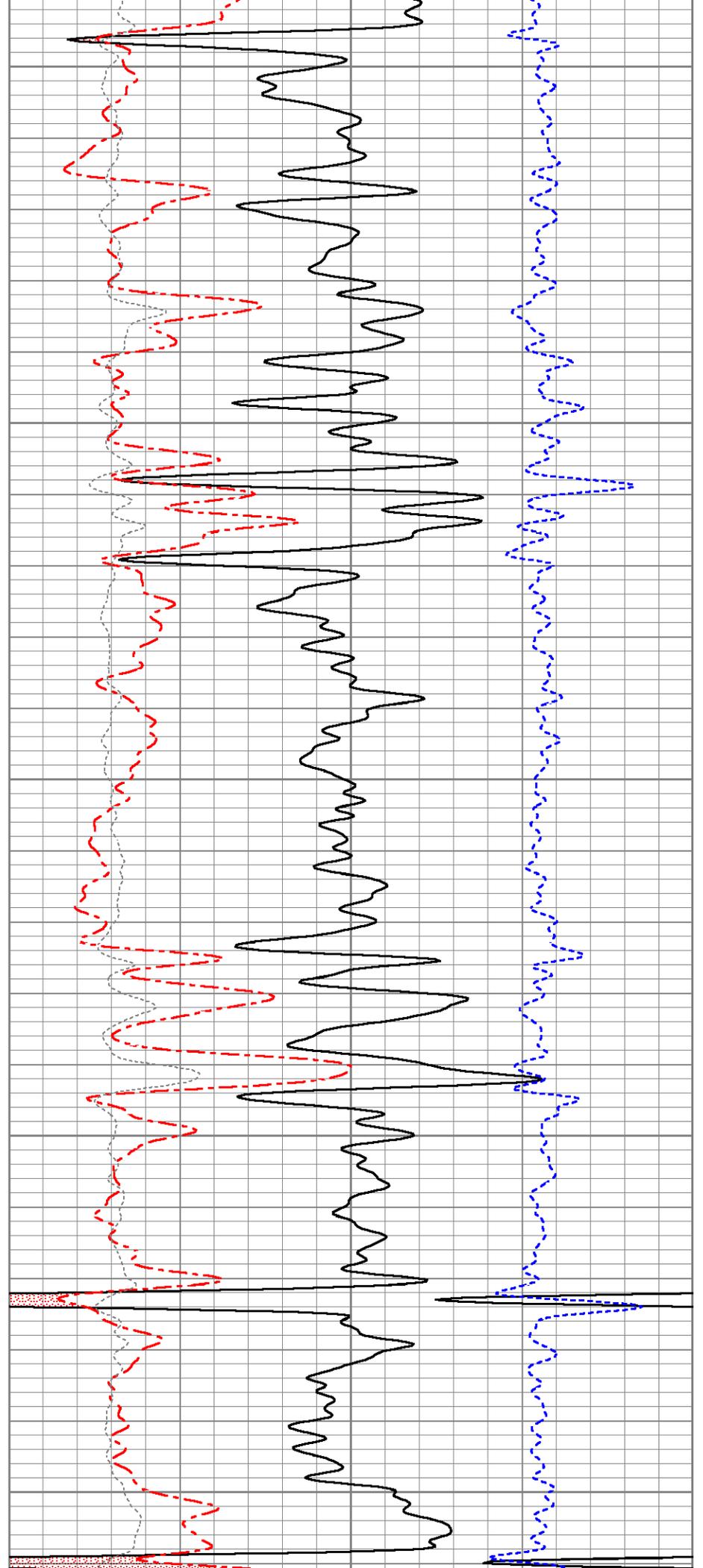
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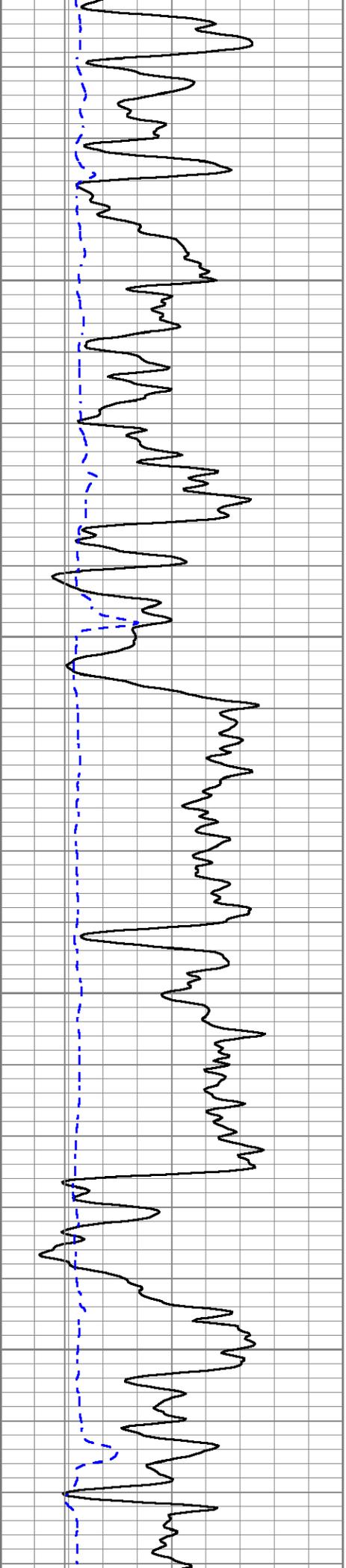
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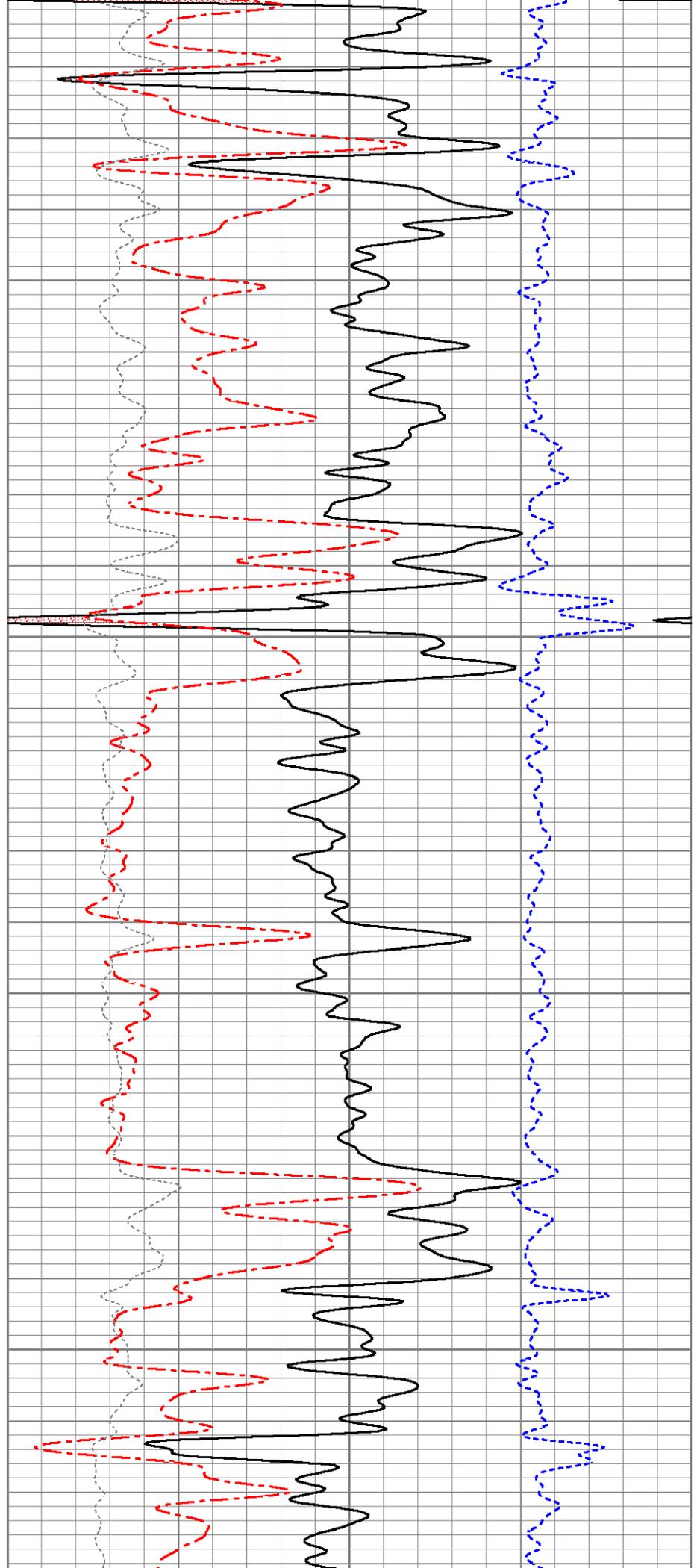


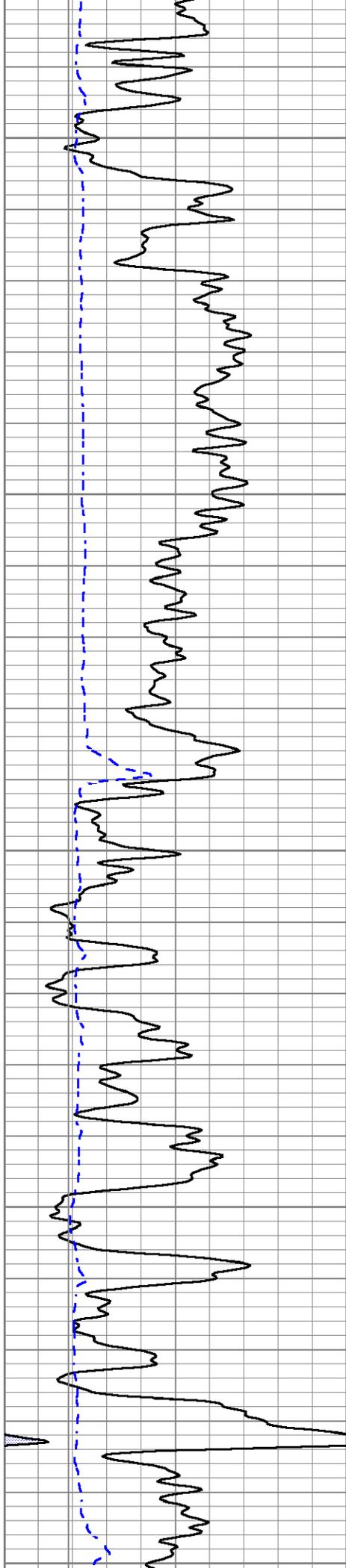
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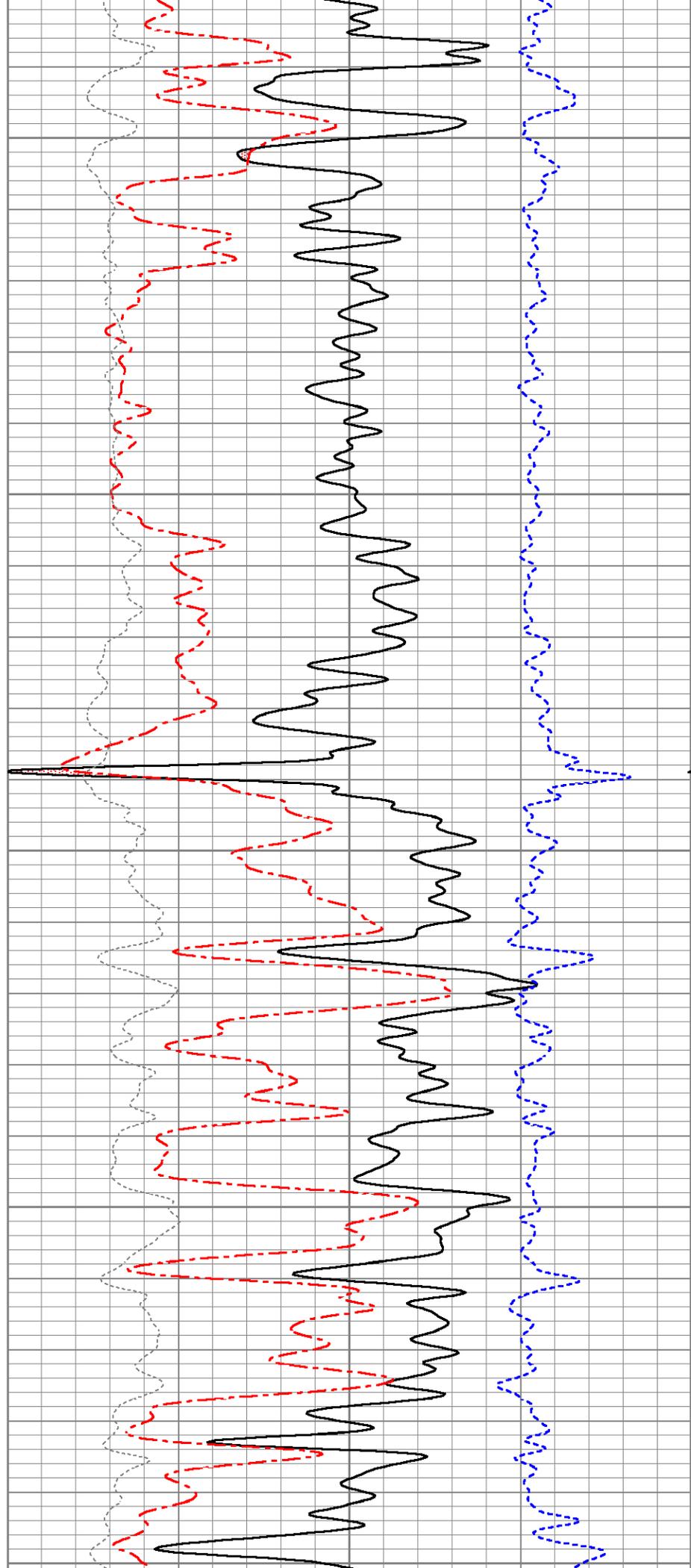
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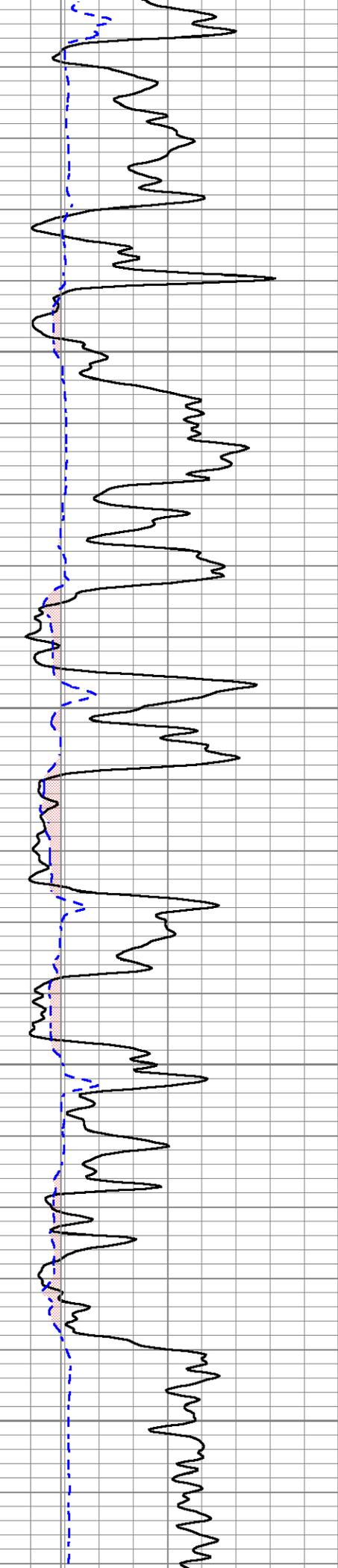
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1050
1100
1150
1200
1250





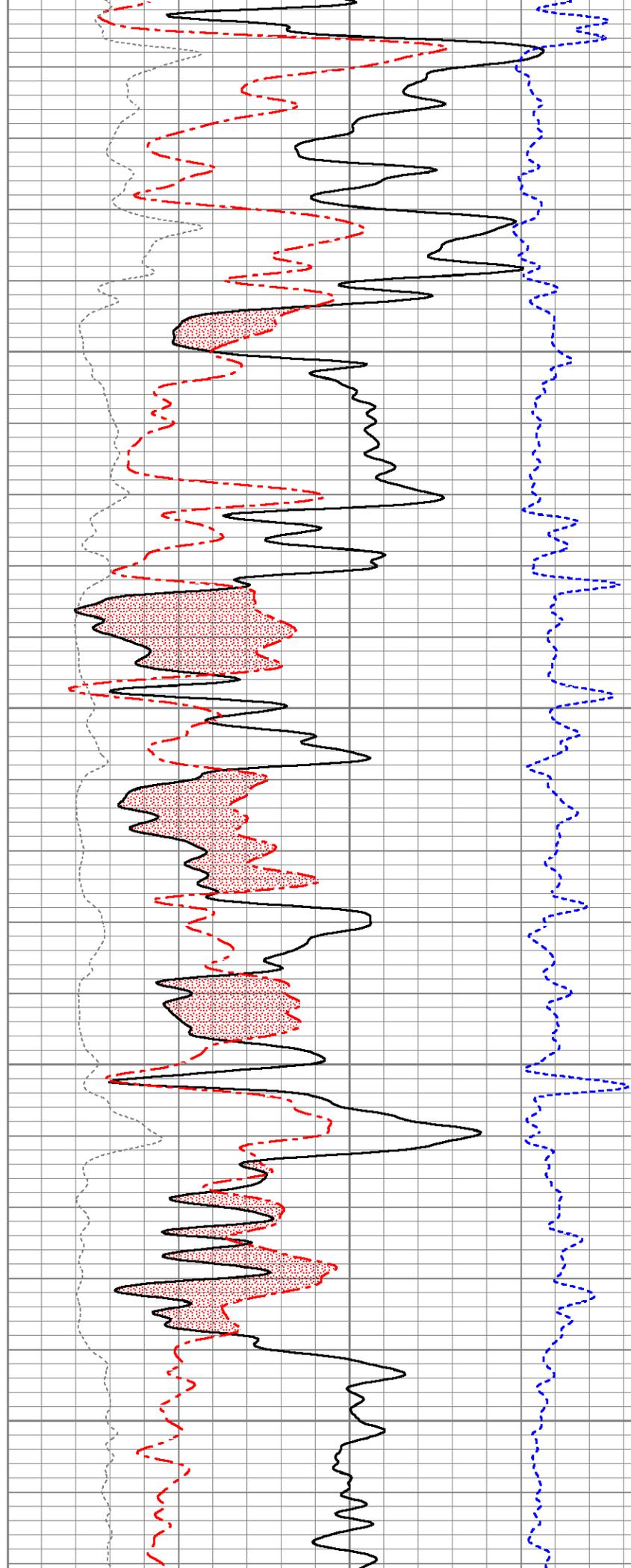
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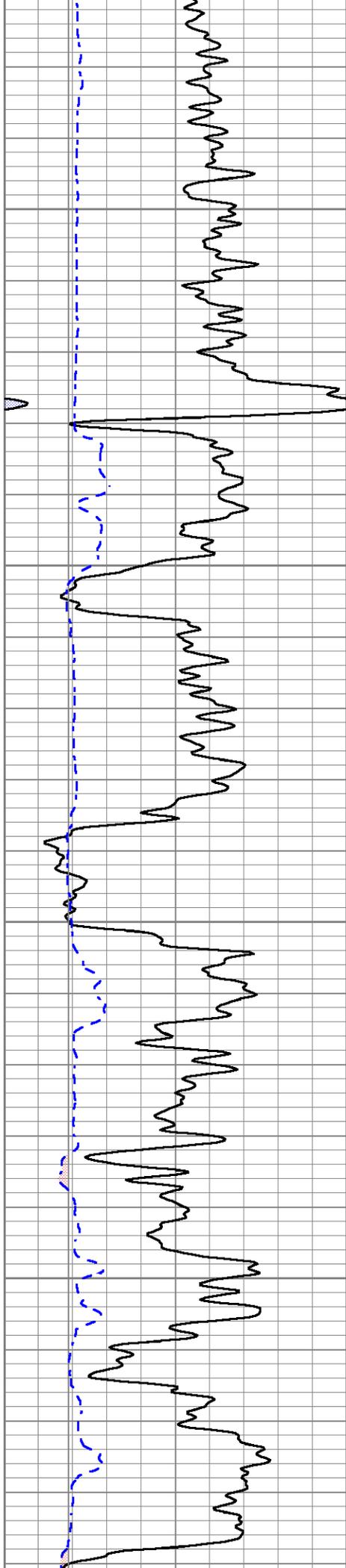
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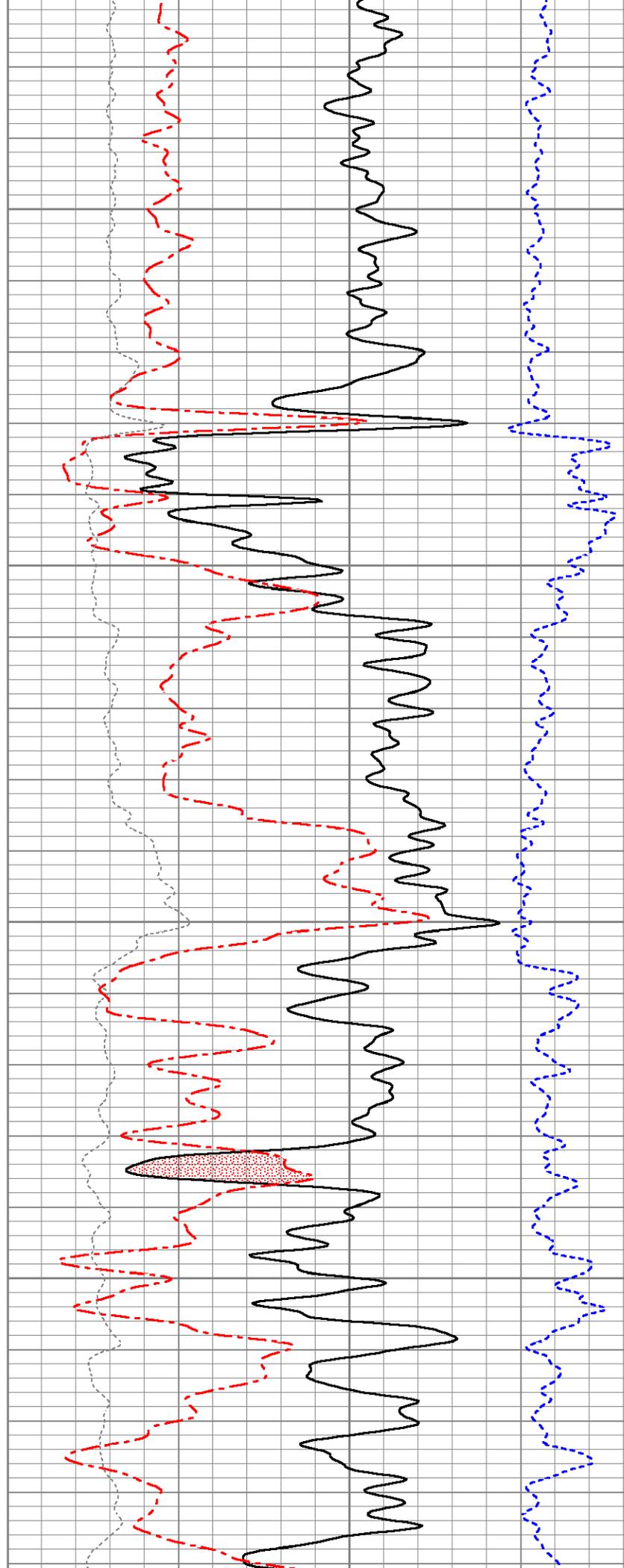


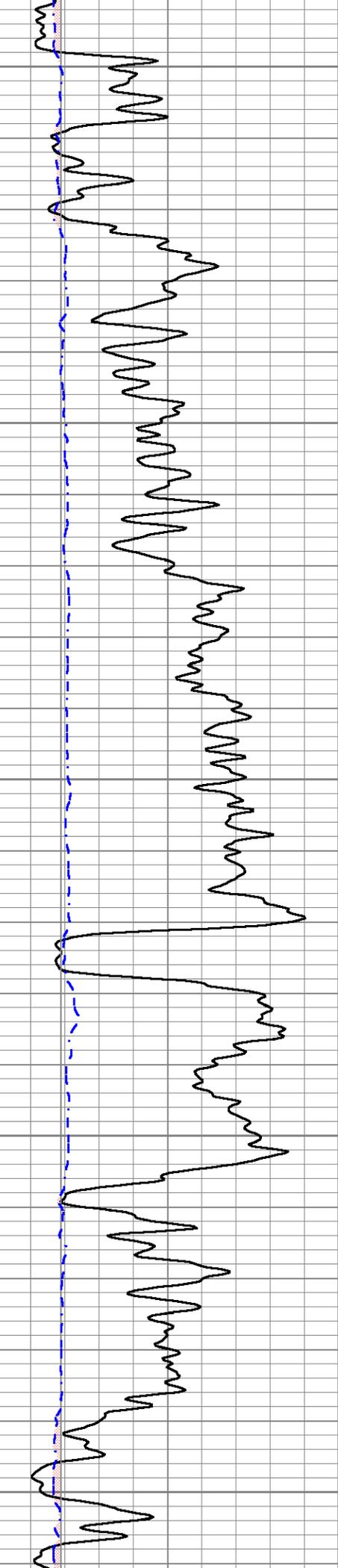
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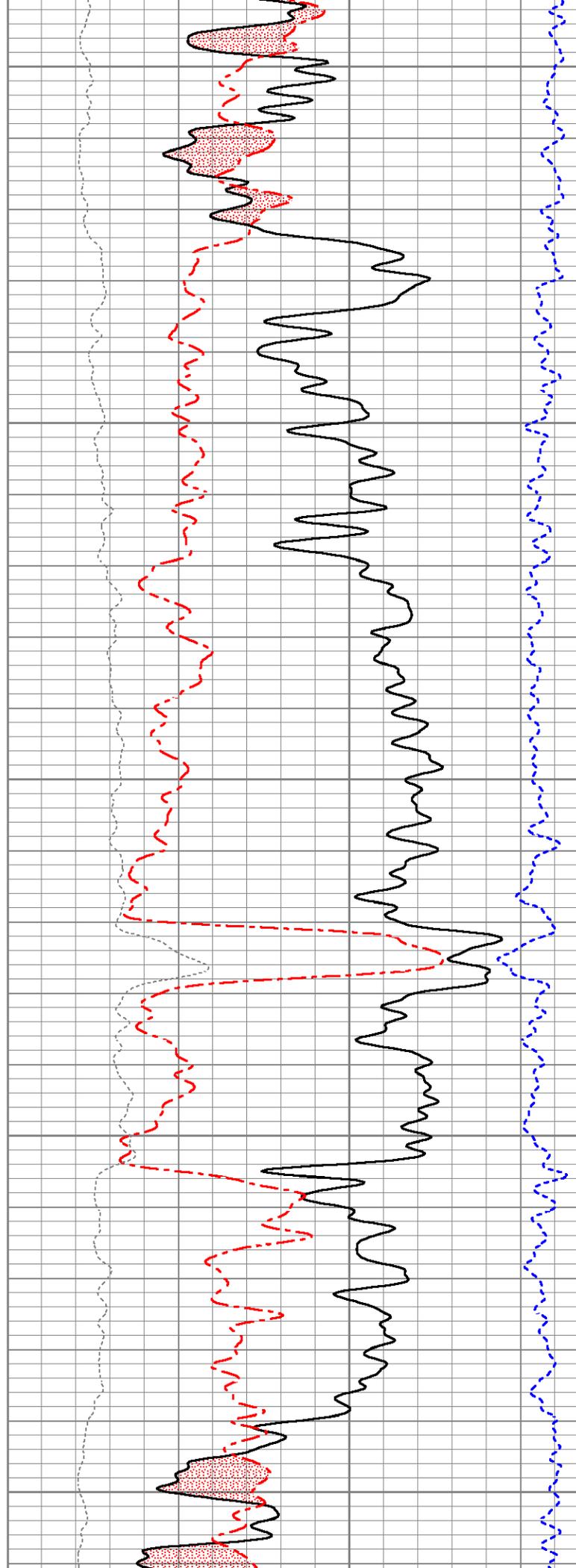
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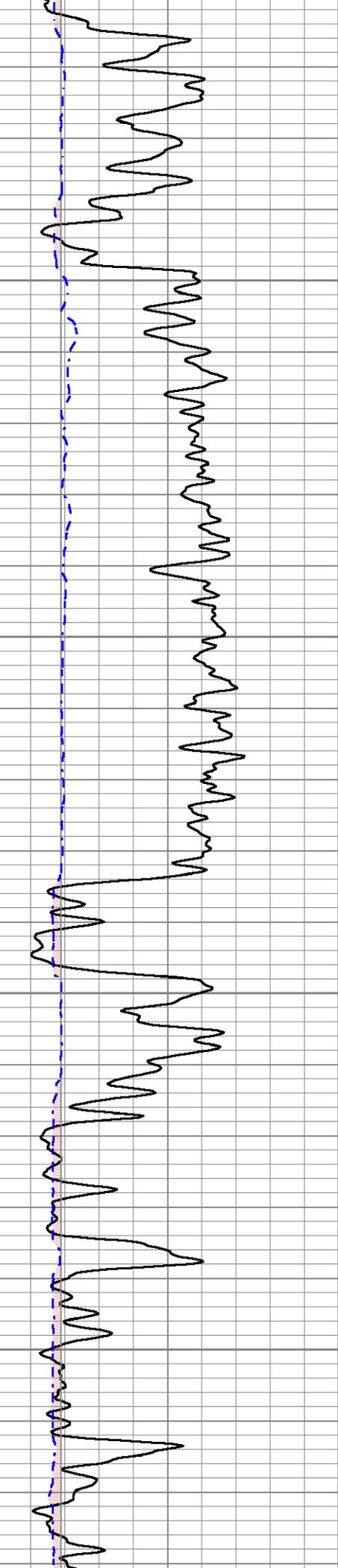
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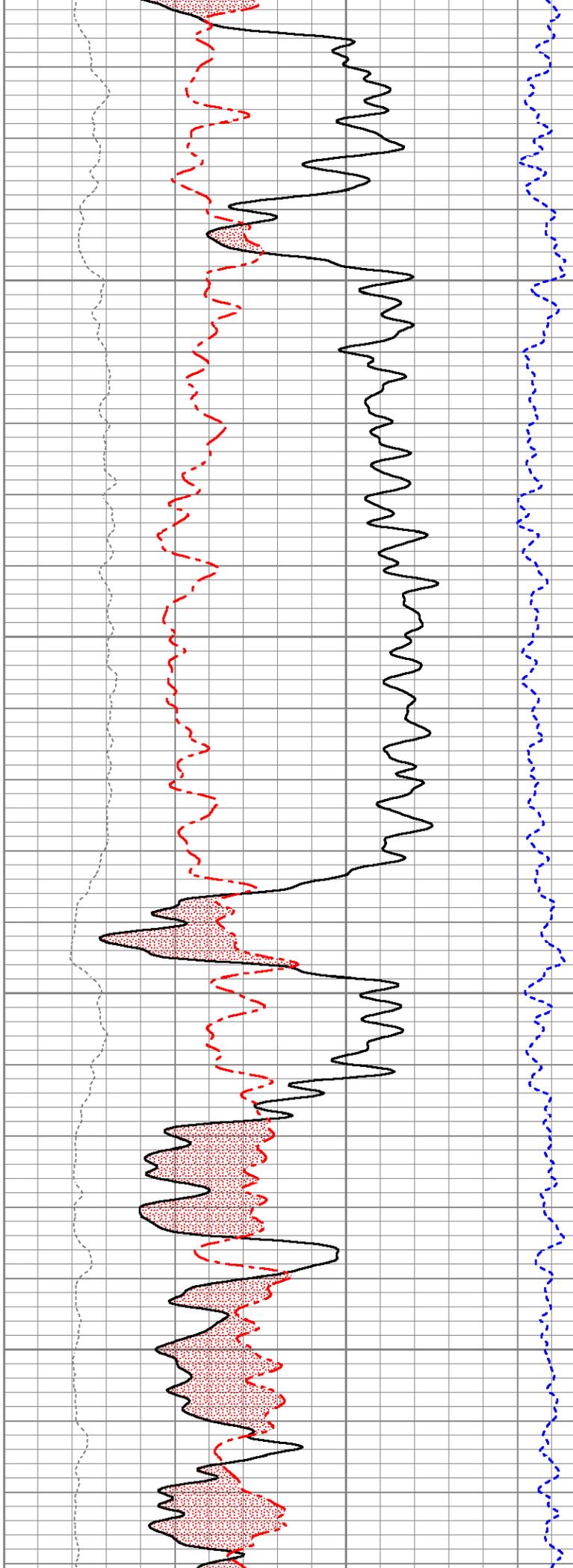


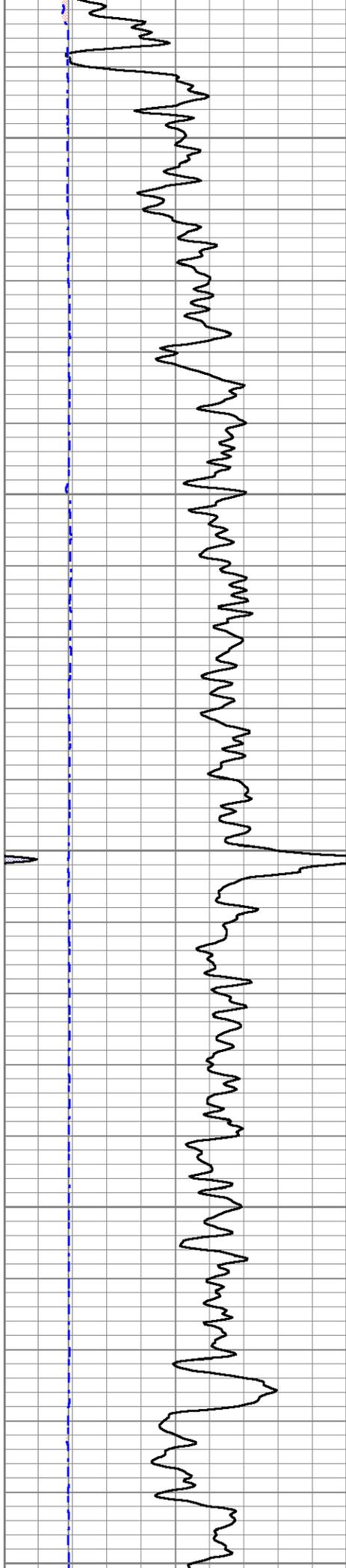
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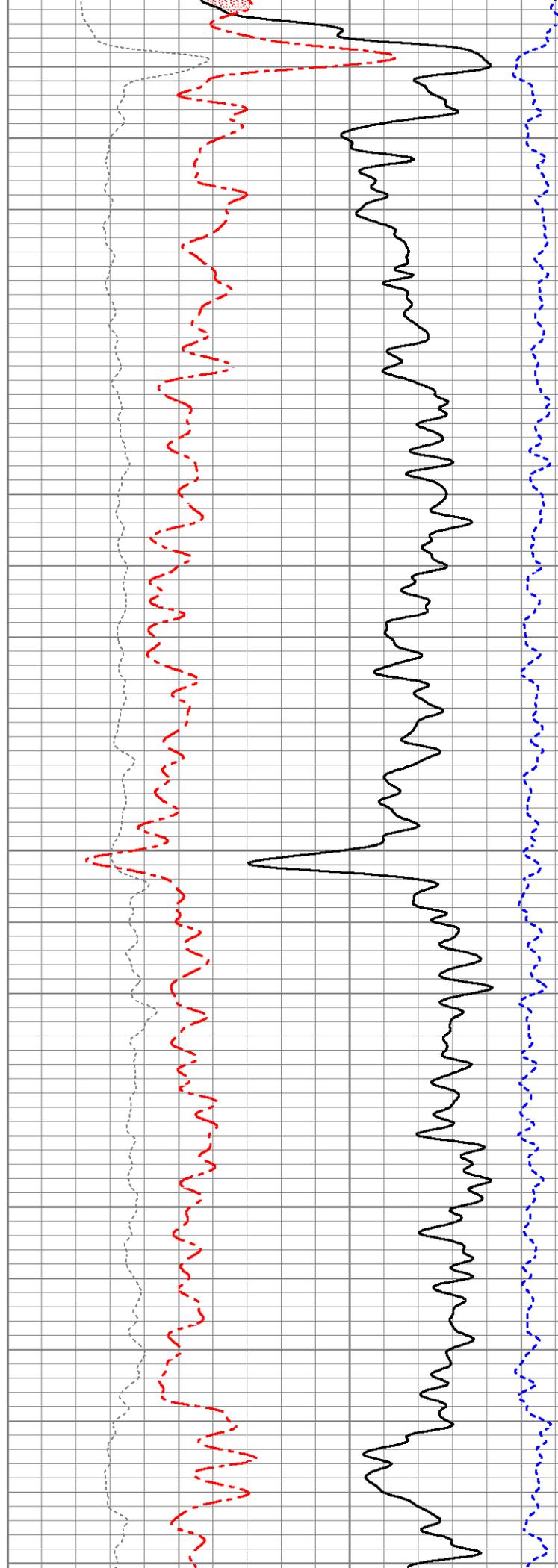
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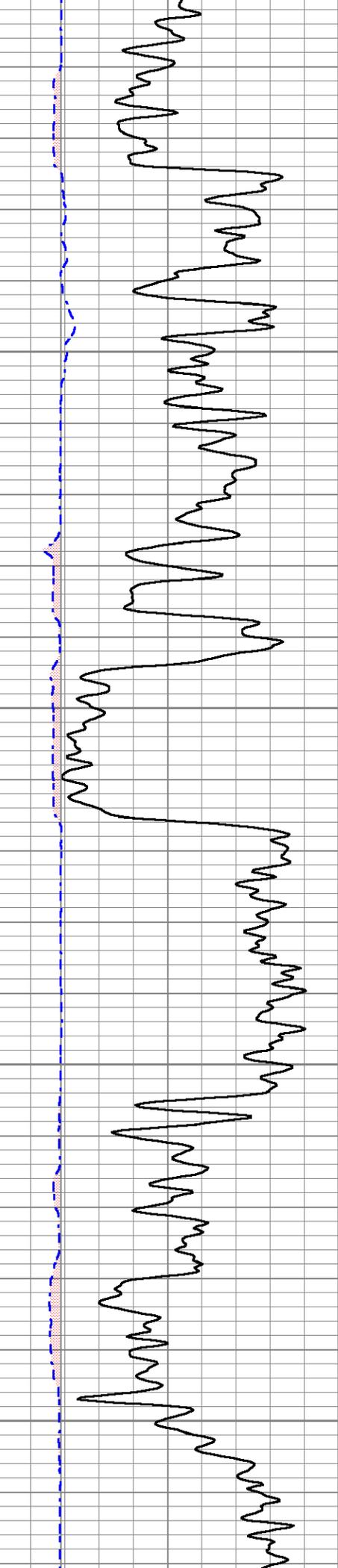
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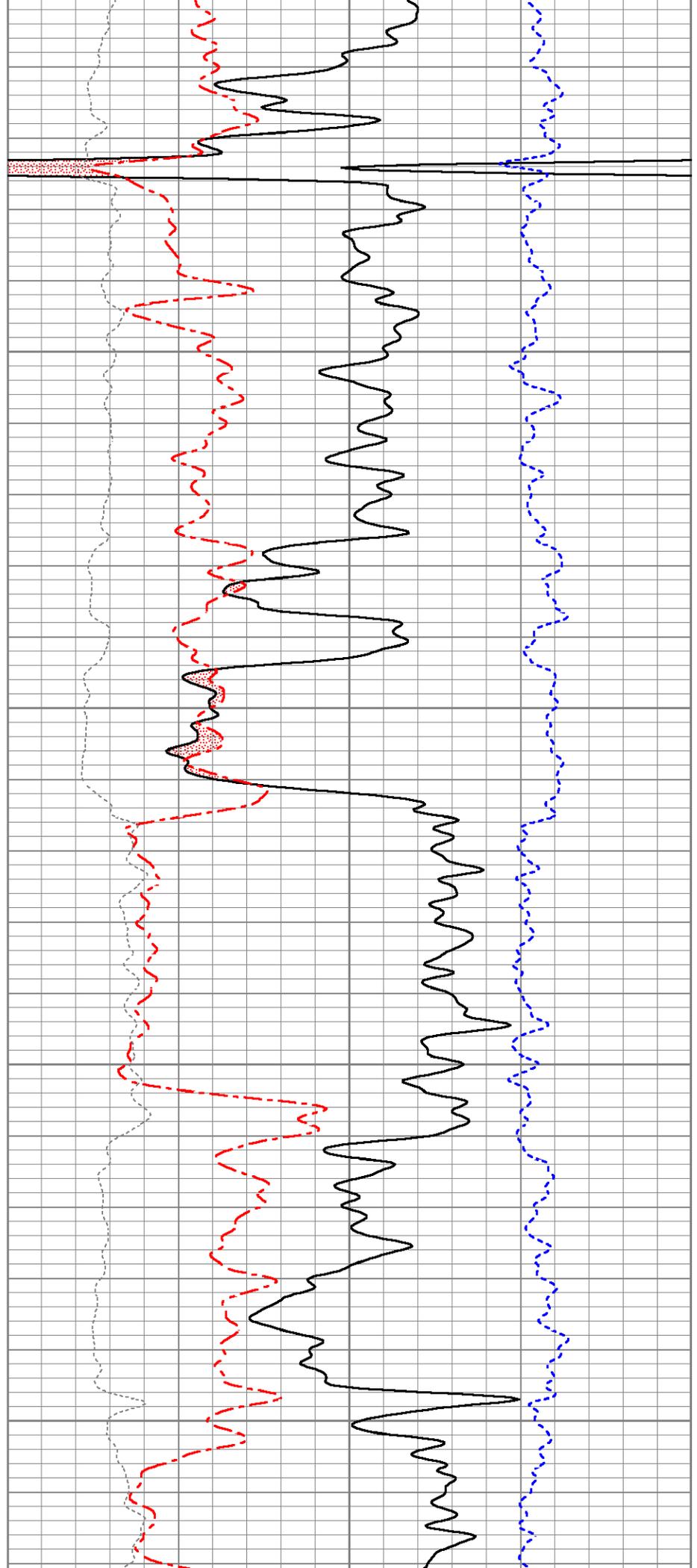
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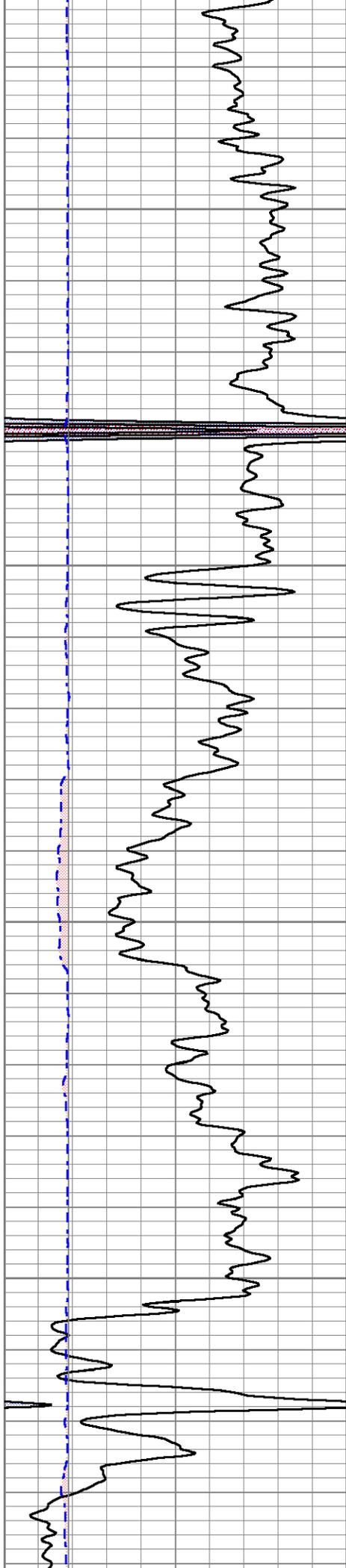
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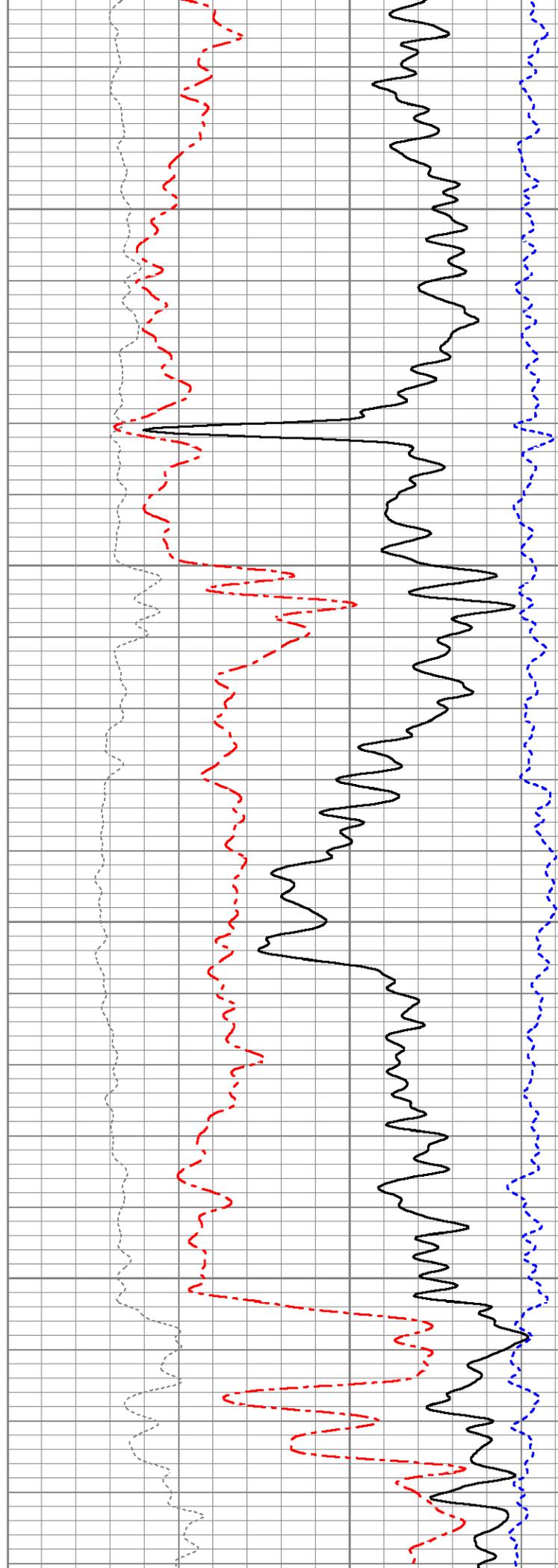


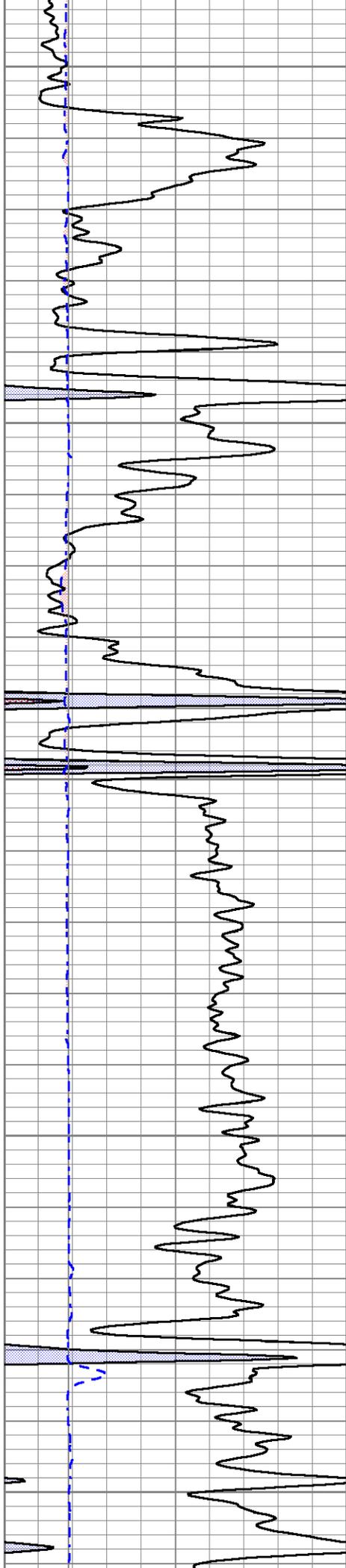
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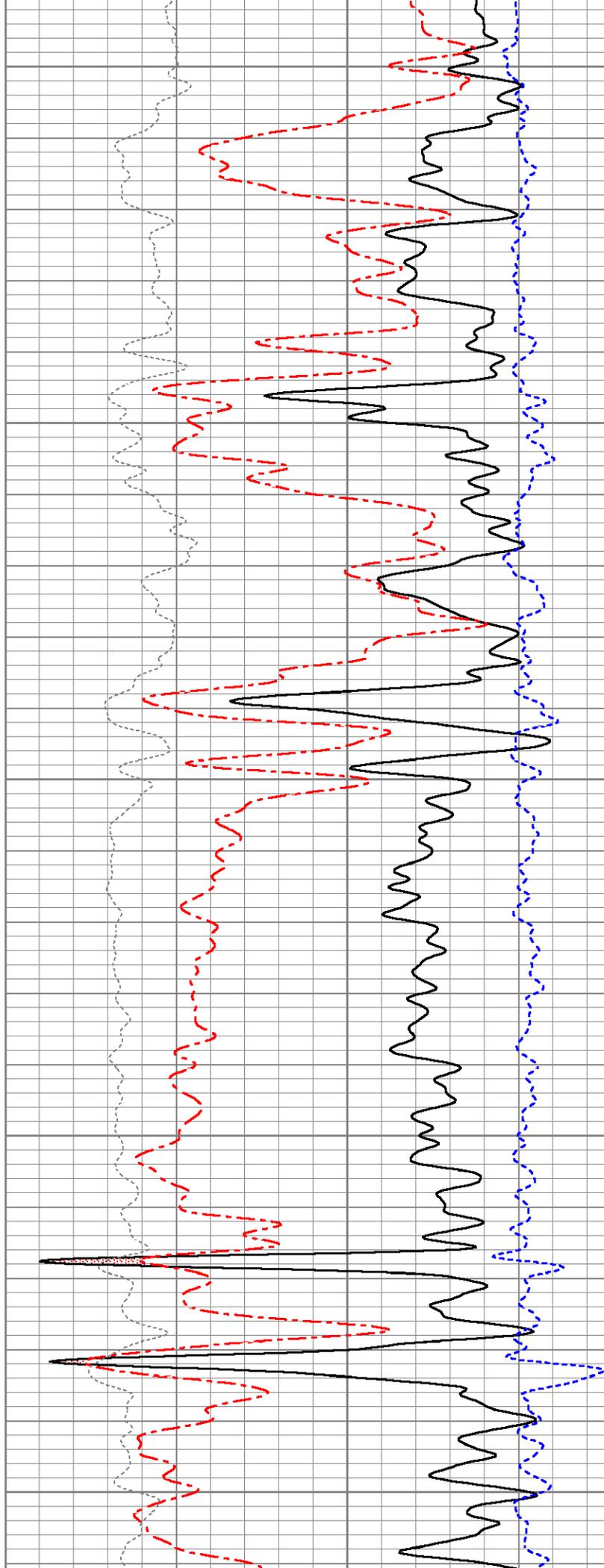
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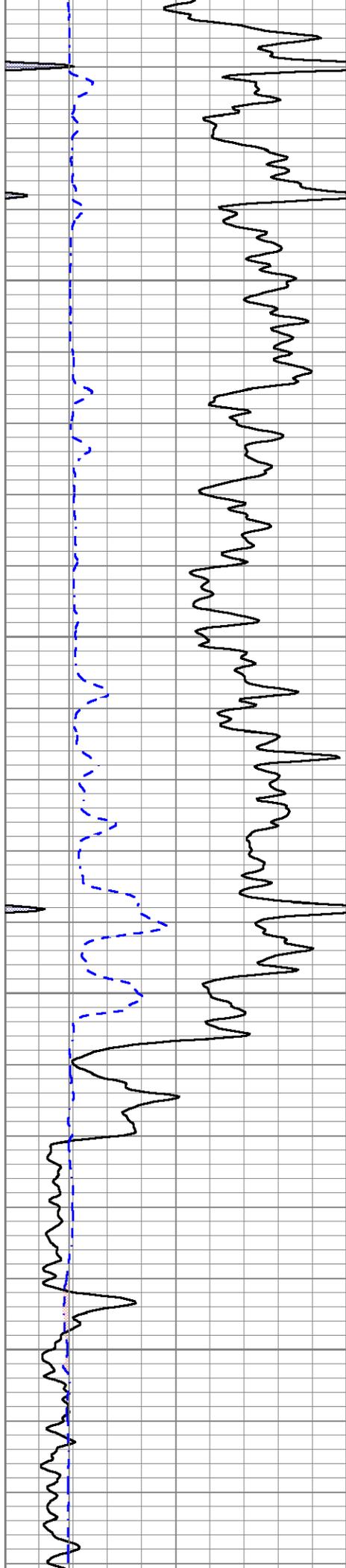
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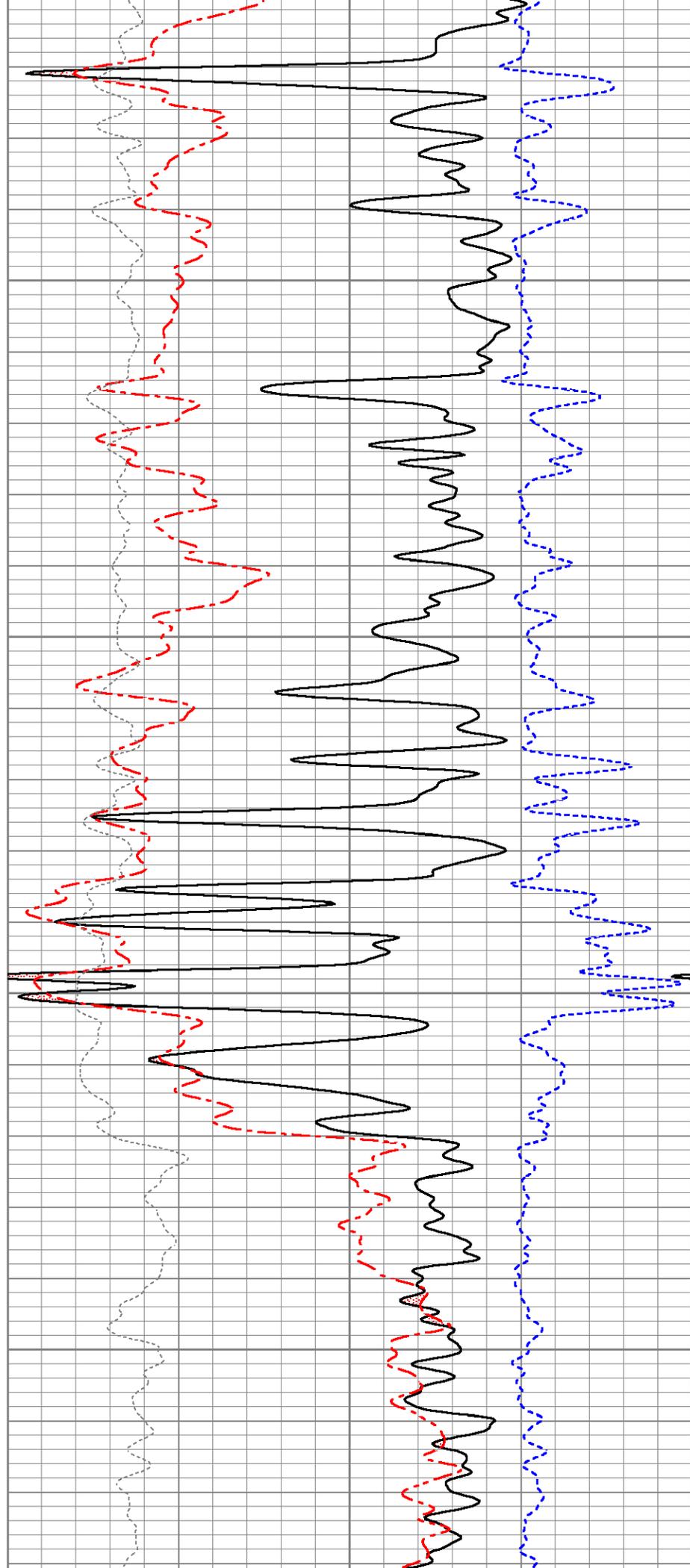


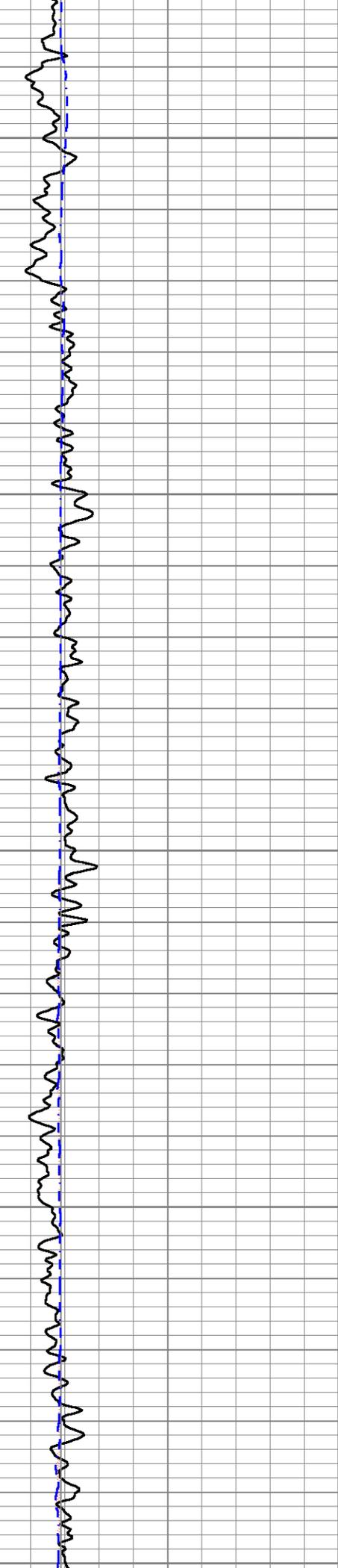
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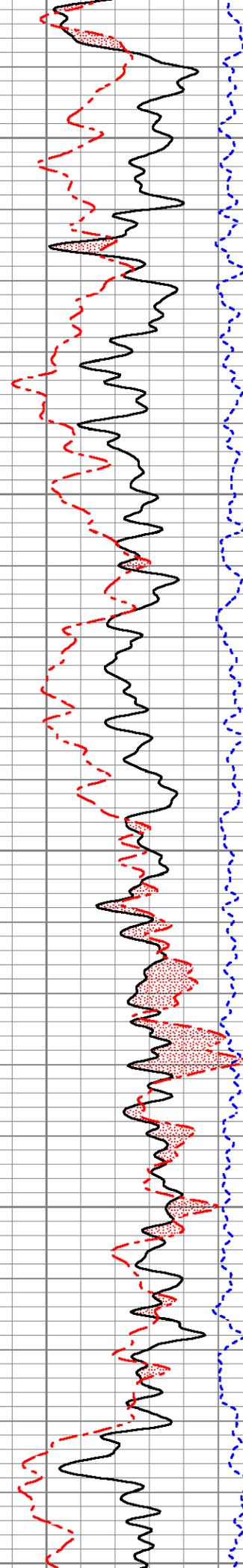
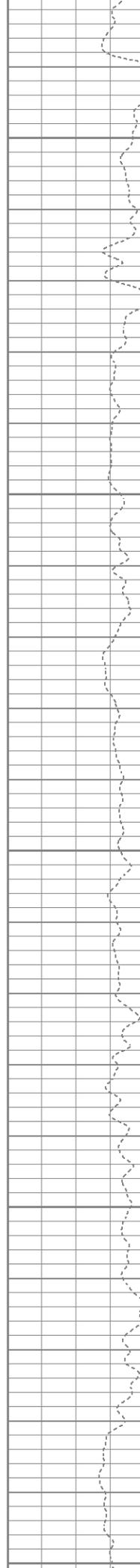
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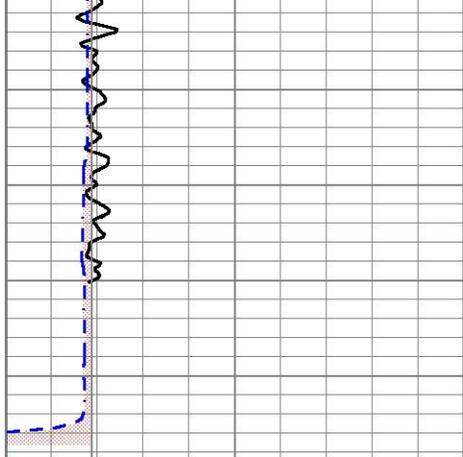
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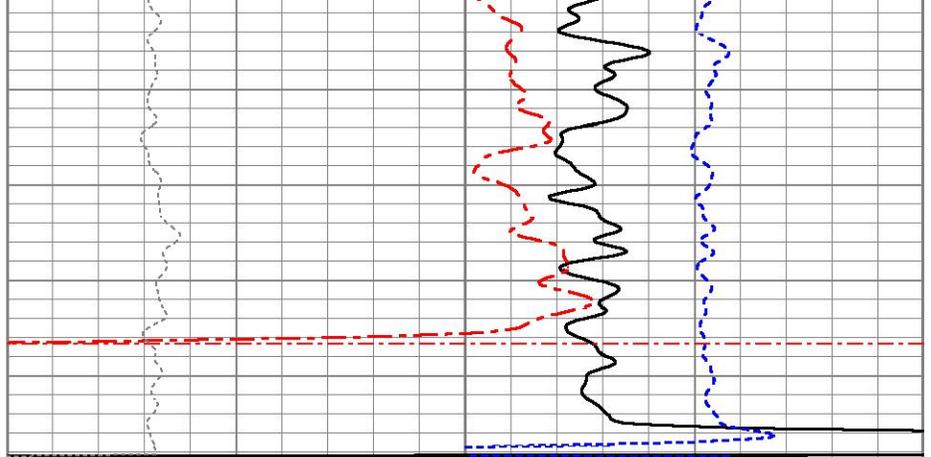
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0	Gamma Ray (GAPI)	150
6	Bit size (in)	16
6	Density Caliper (in)	16



30	Density Porosity (pu)	-10
30	Neutron Porosity (pu)	-10
0	PE (barn)	10
-0.25	Correction (g/cc)	0.25
3000	Line Tension (lb)	500

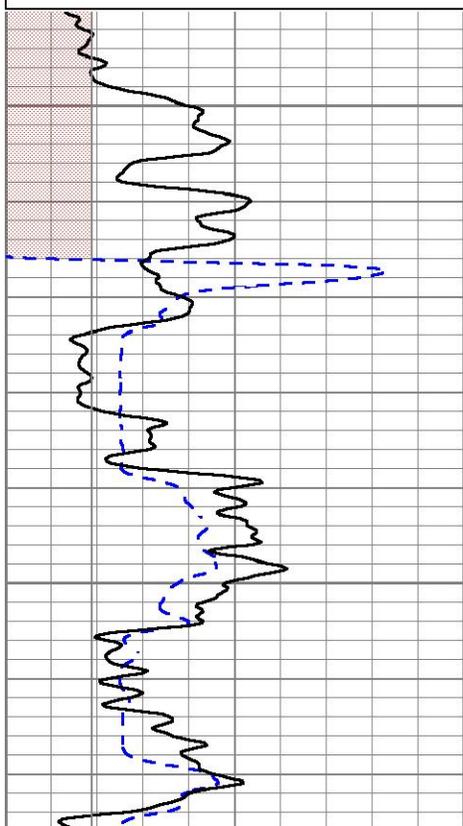


5" LITHO DENSITY LOG

Database File ow2-9238 val energy.db
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 Charted by Depth in Feet scaled 1:240

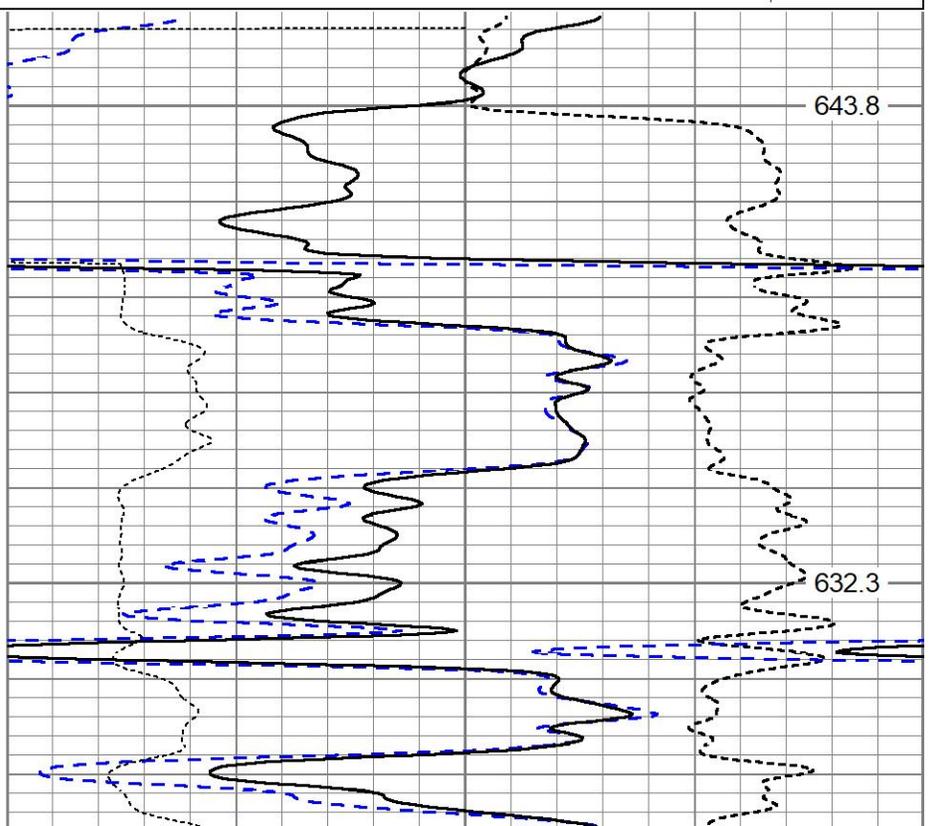
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0	Gamma Ray (GAPI)	150
6	Bit Size (in)	16

30	Density Porosity (pu)	-10
2	Bulk Density (g/cc)	3
0	PE (barn)	10
-0.25	Correction (g/cc)	0.25
ABHV (ft3)		



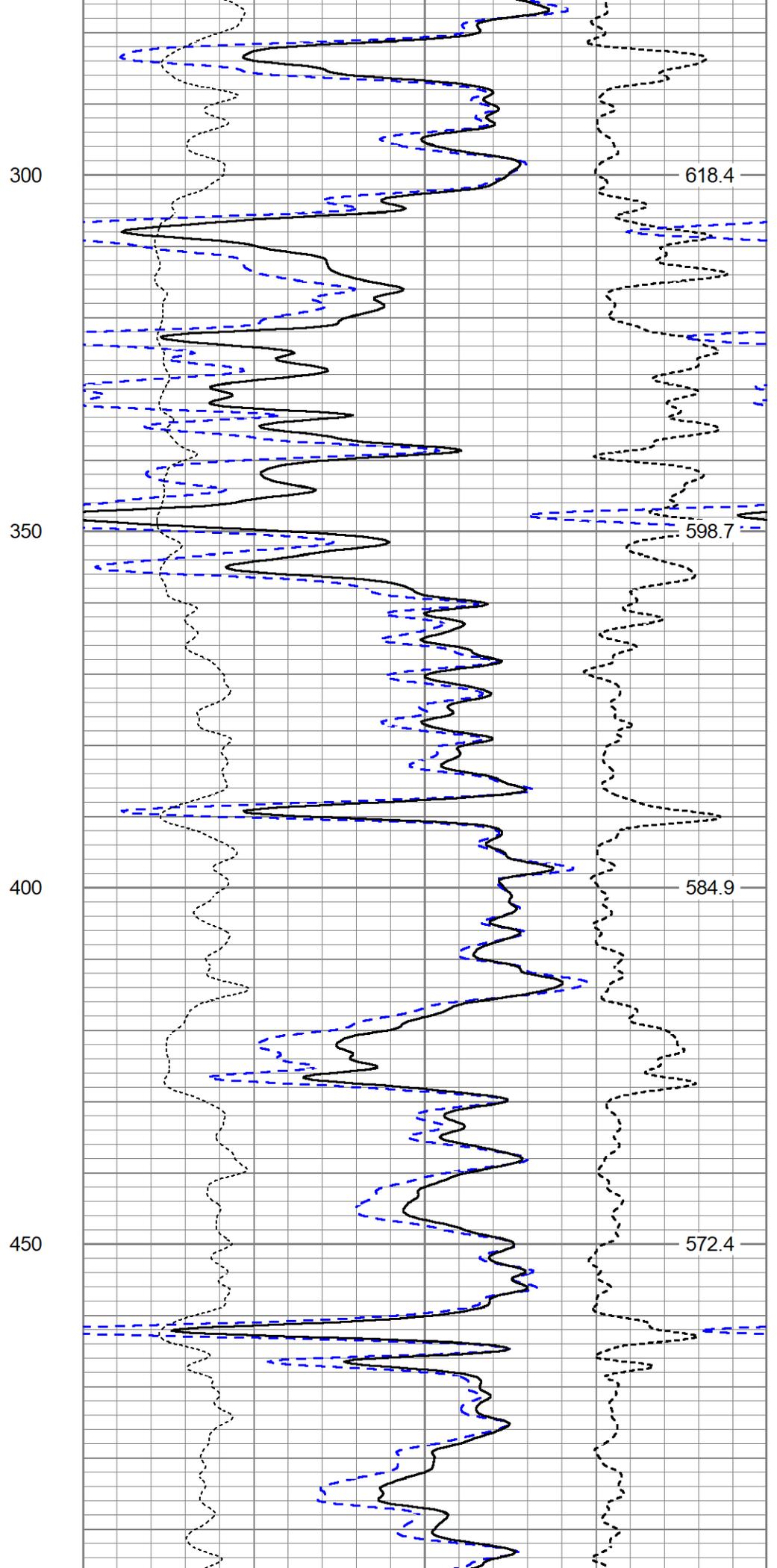
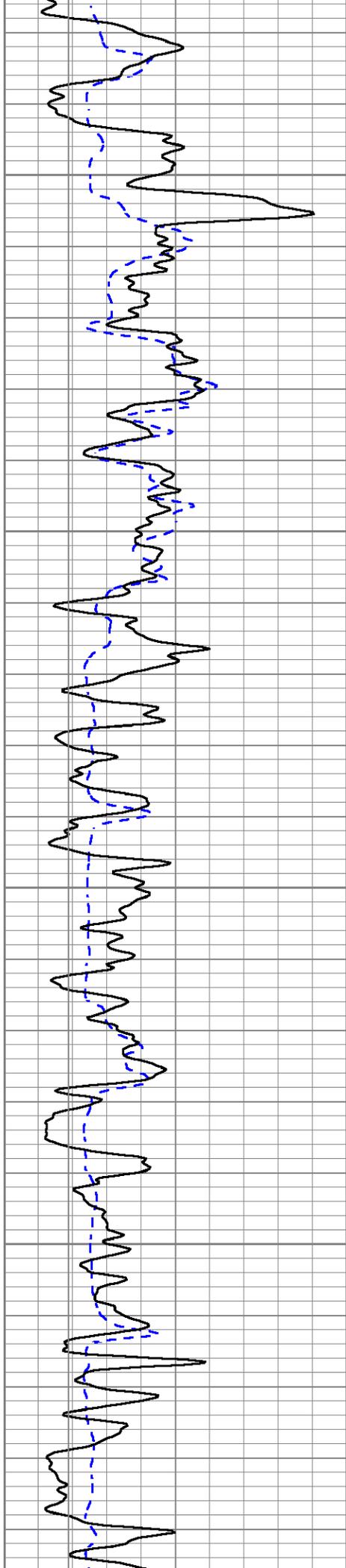
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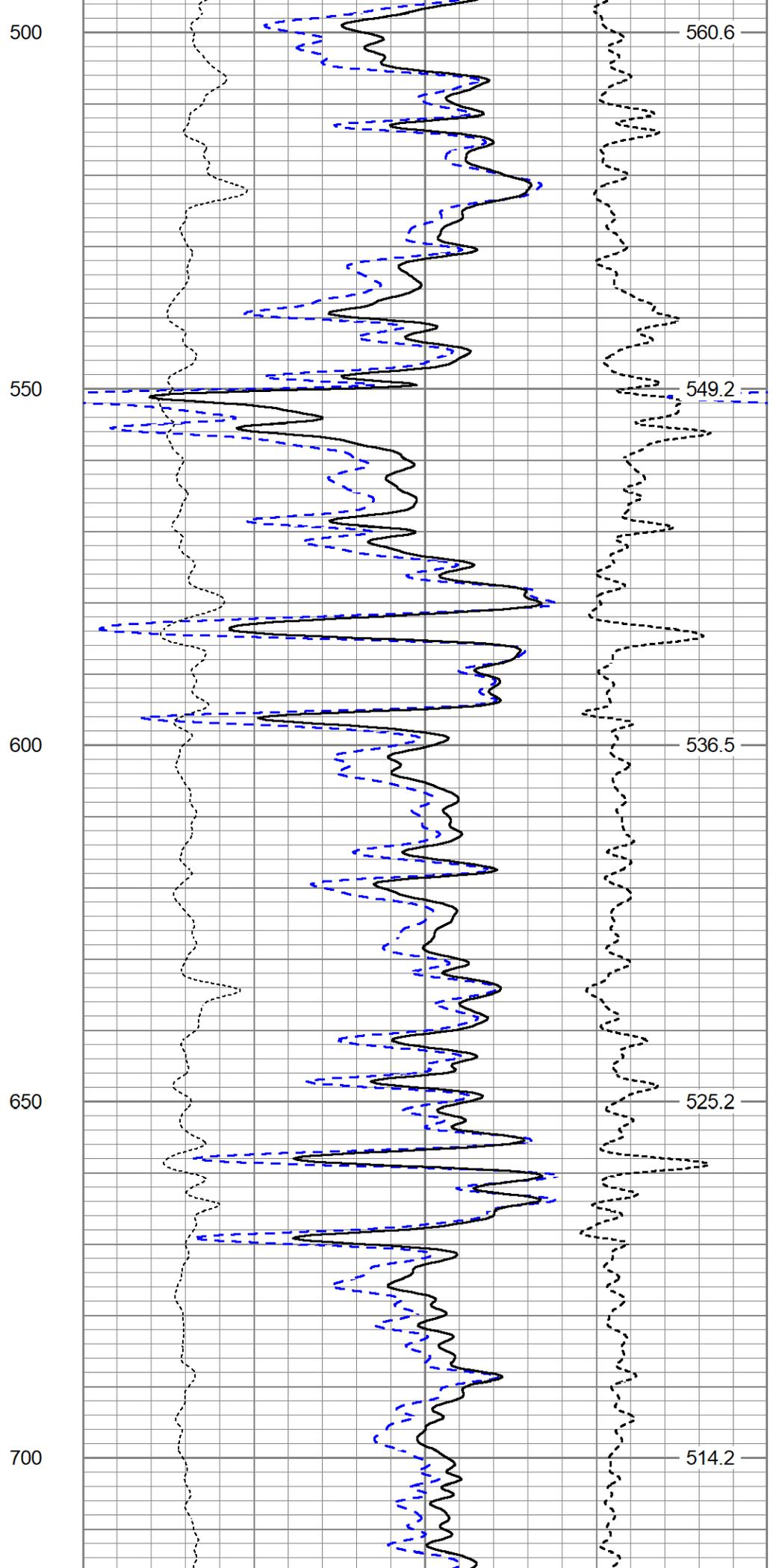
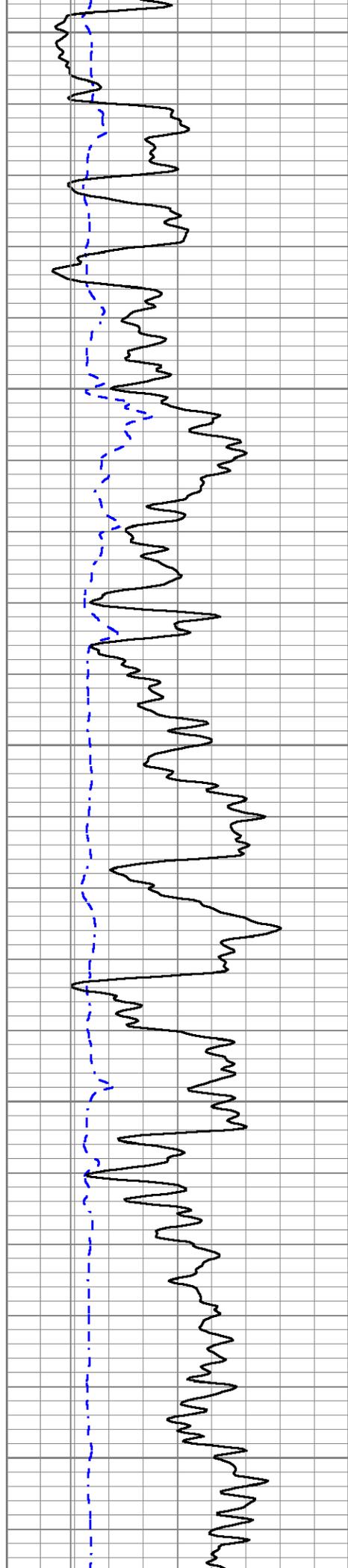
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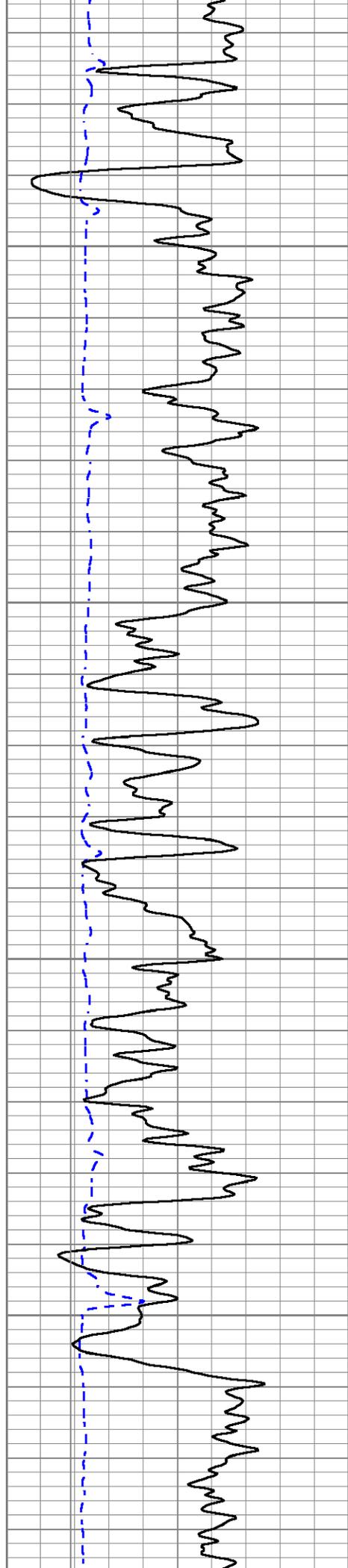


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632.3





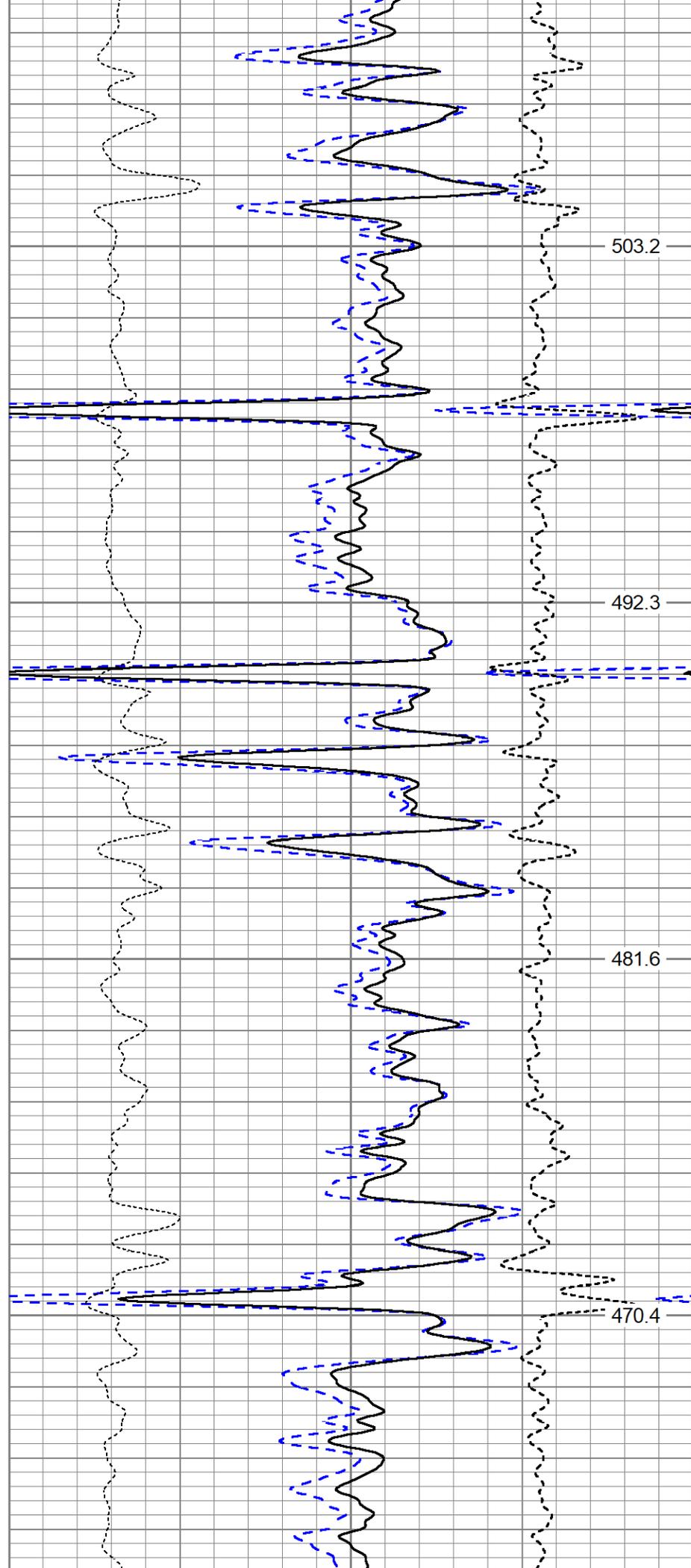


750

800

850

900

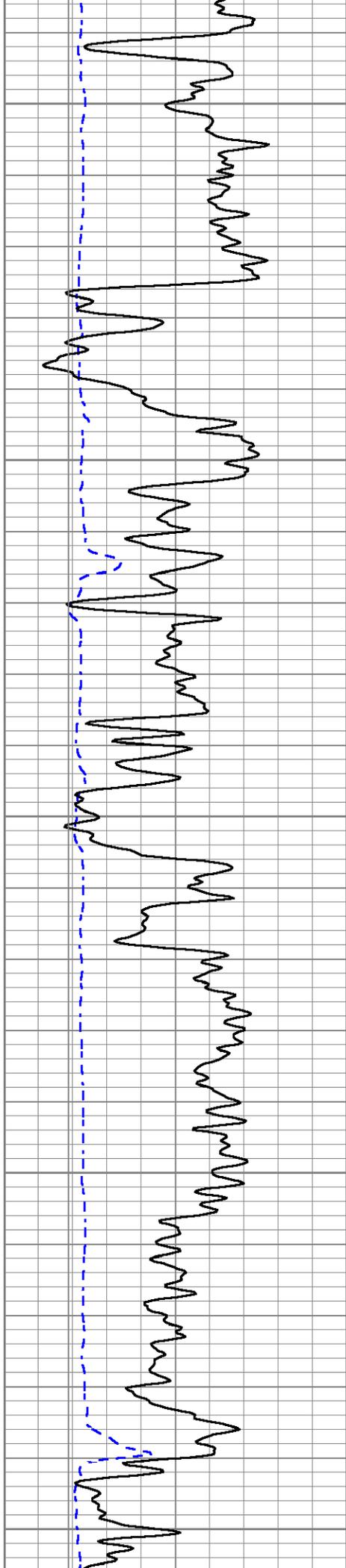


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492.3

481.6

470.4



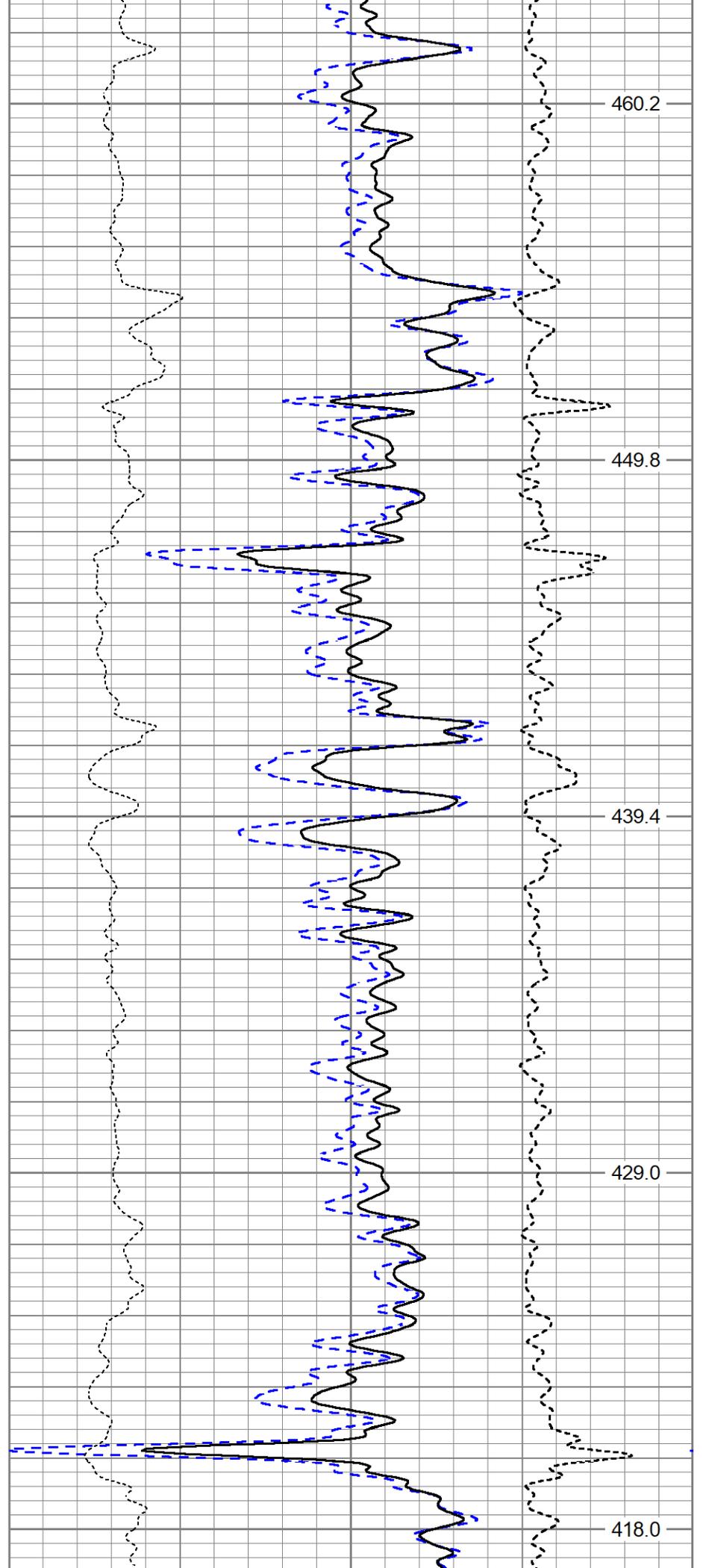
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1050

1100

1150



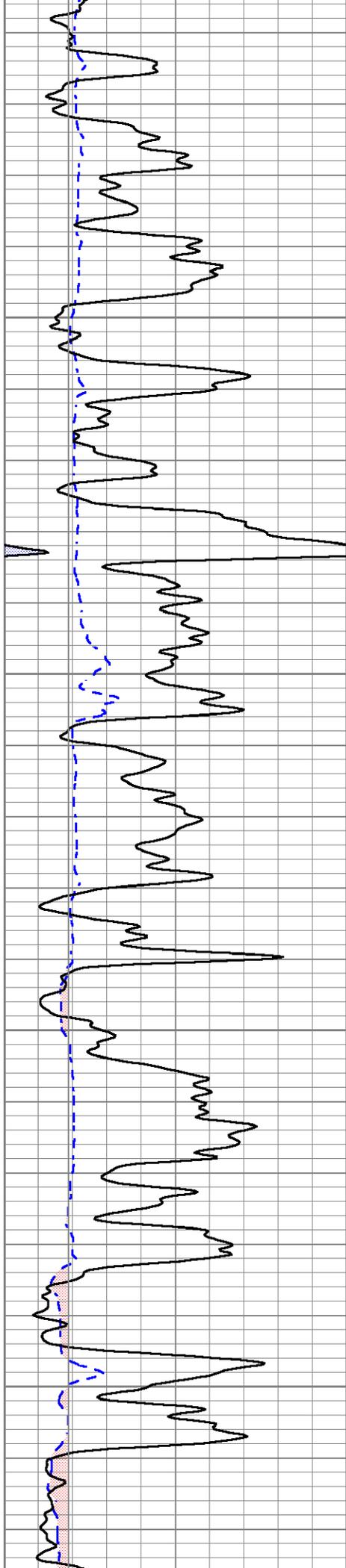
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418.0

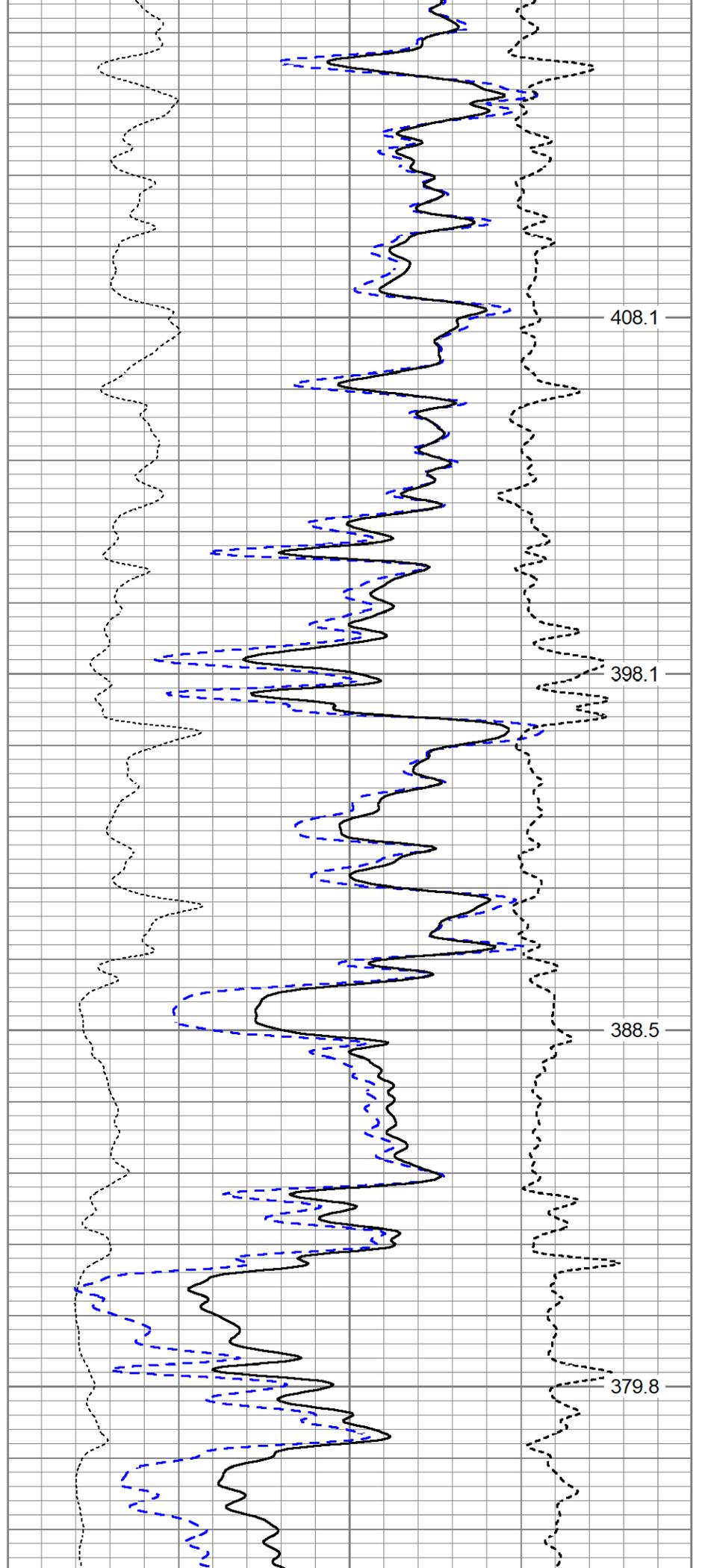


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1250

1300

1350

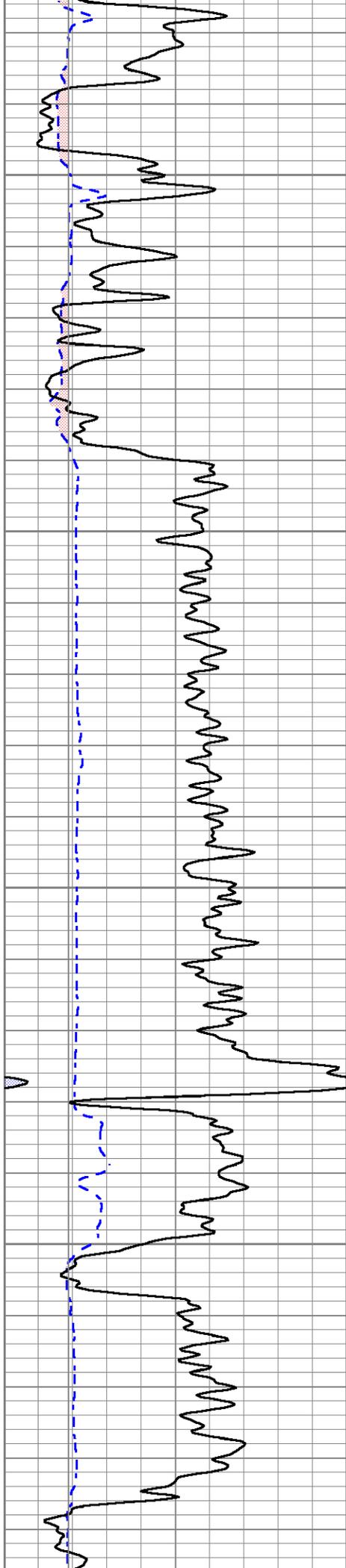


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398.1

388.5

379.8

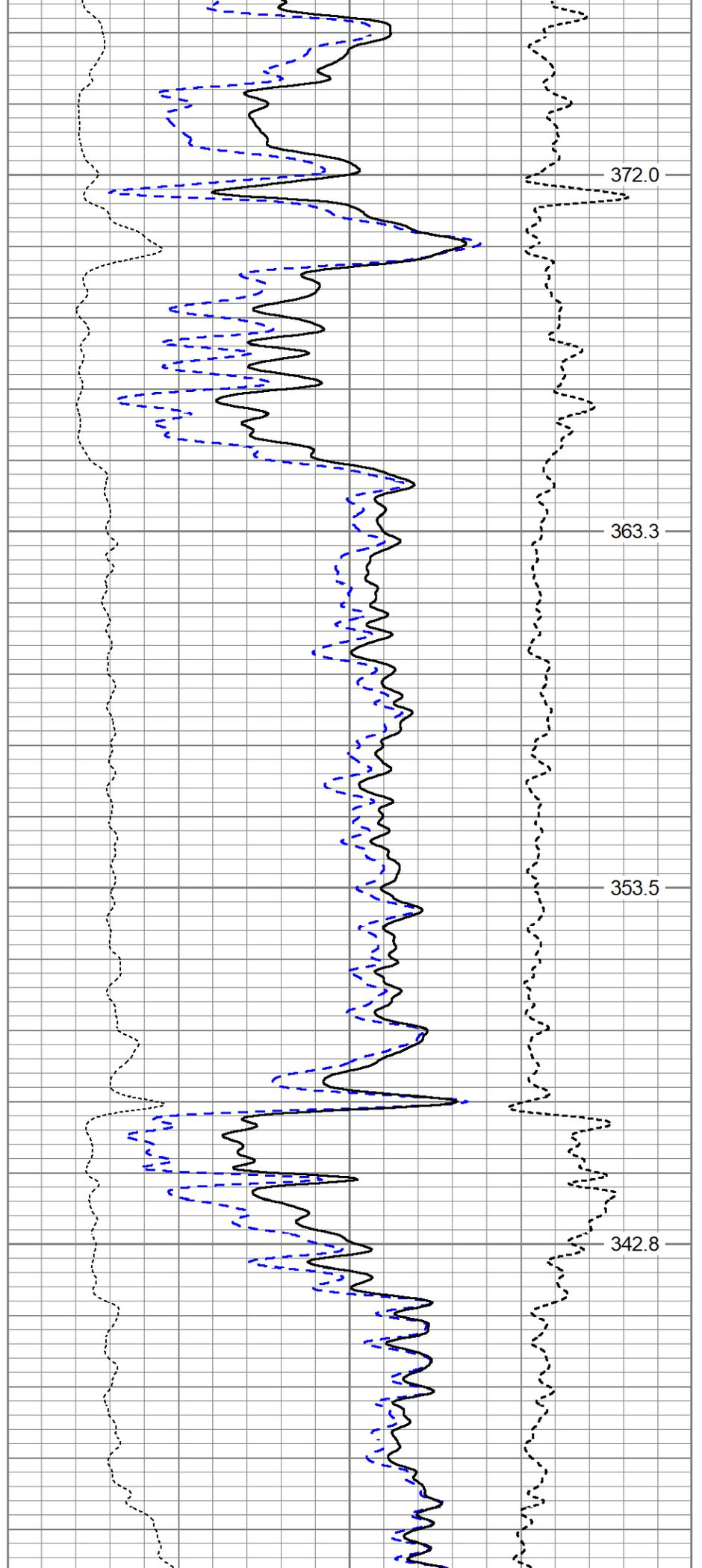


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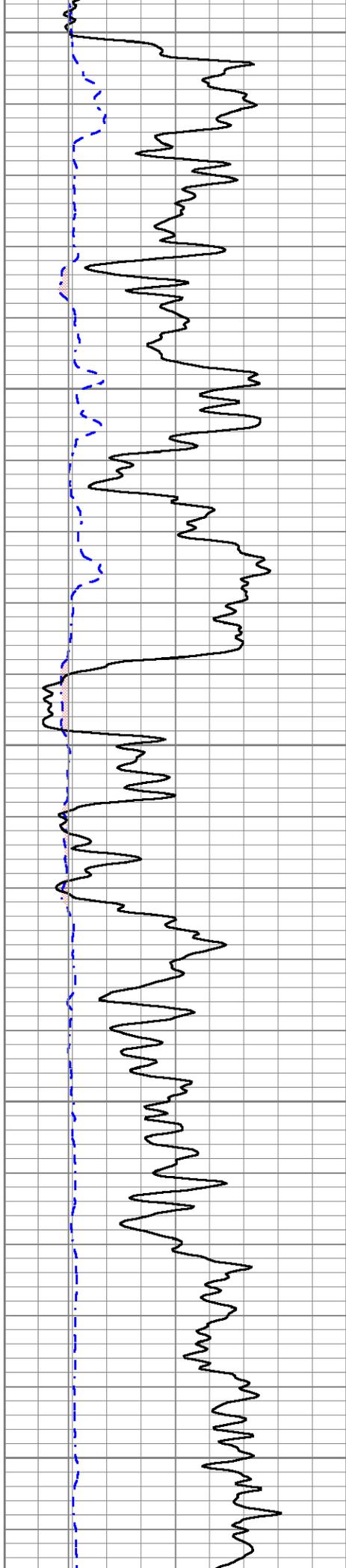


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353.5

342.8



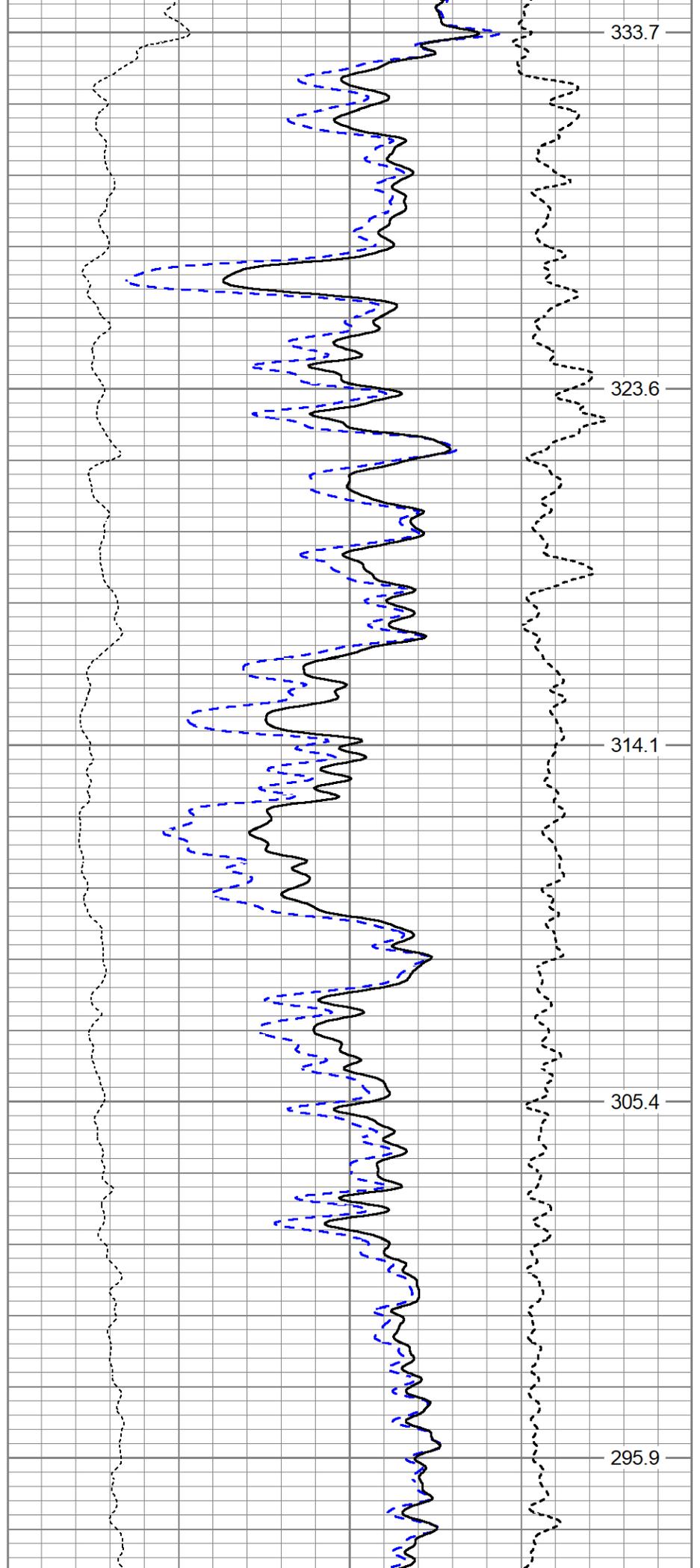
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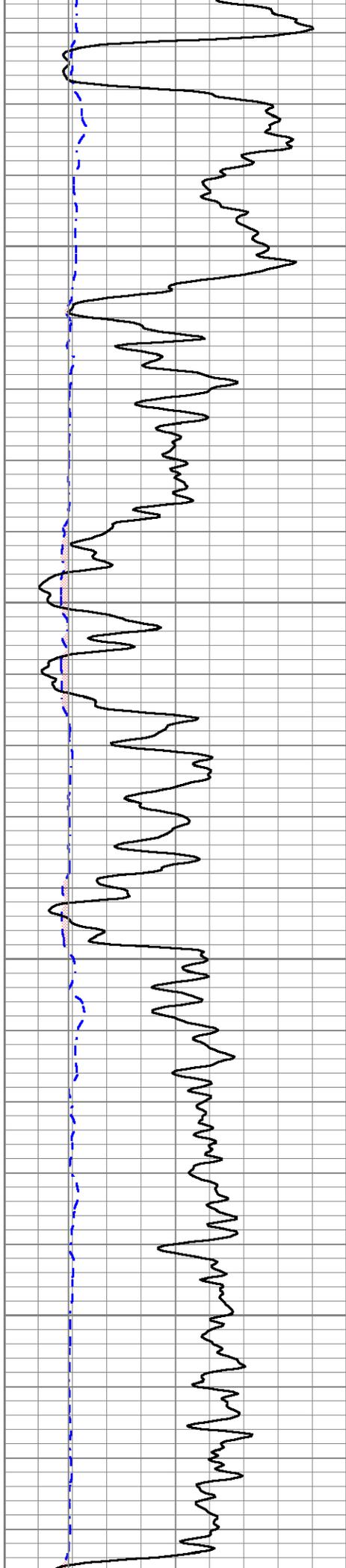
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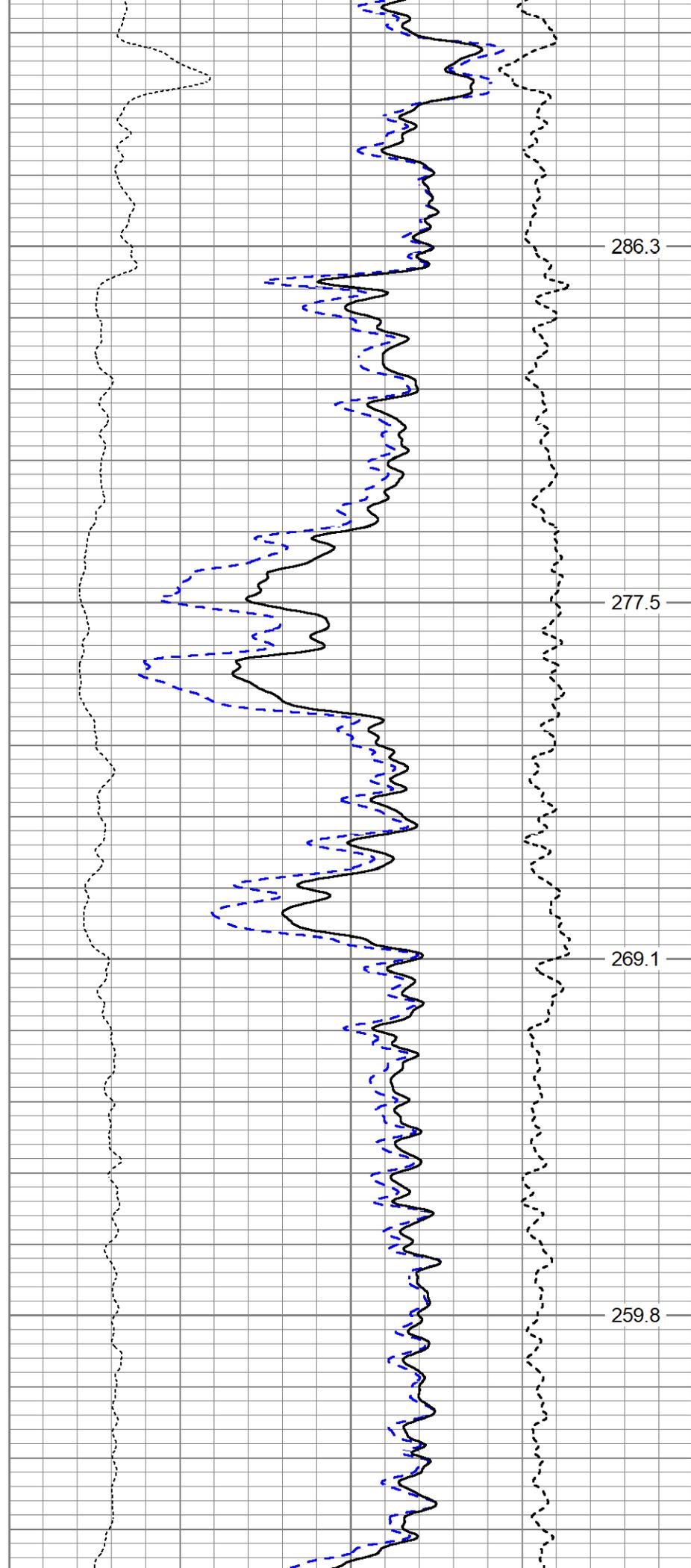


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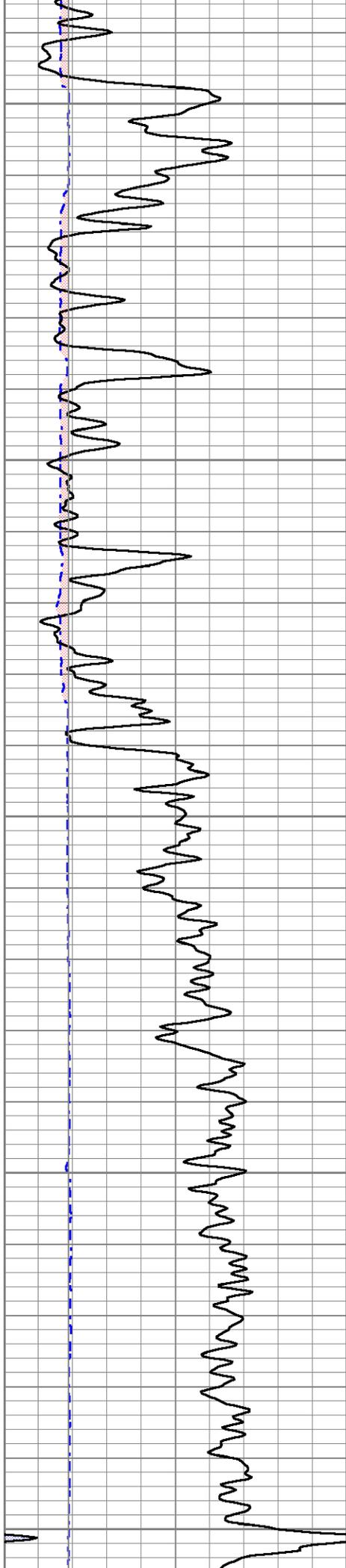


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277.5

269.1

259.8



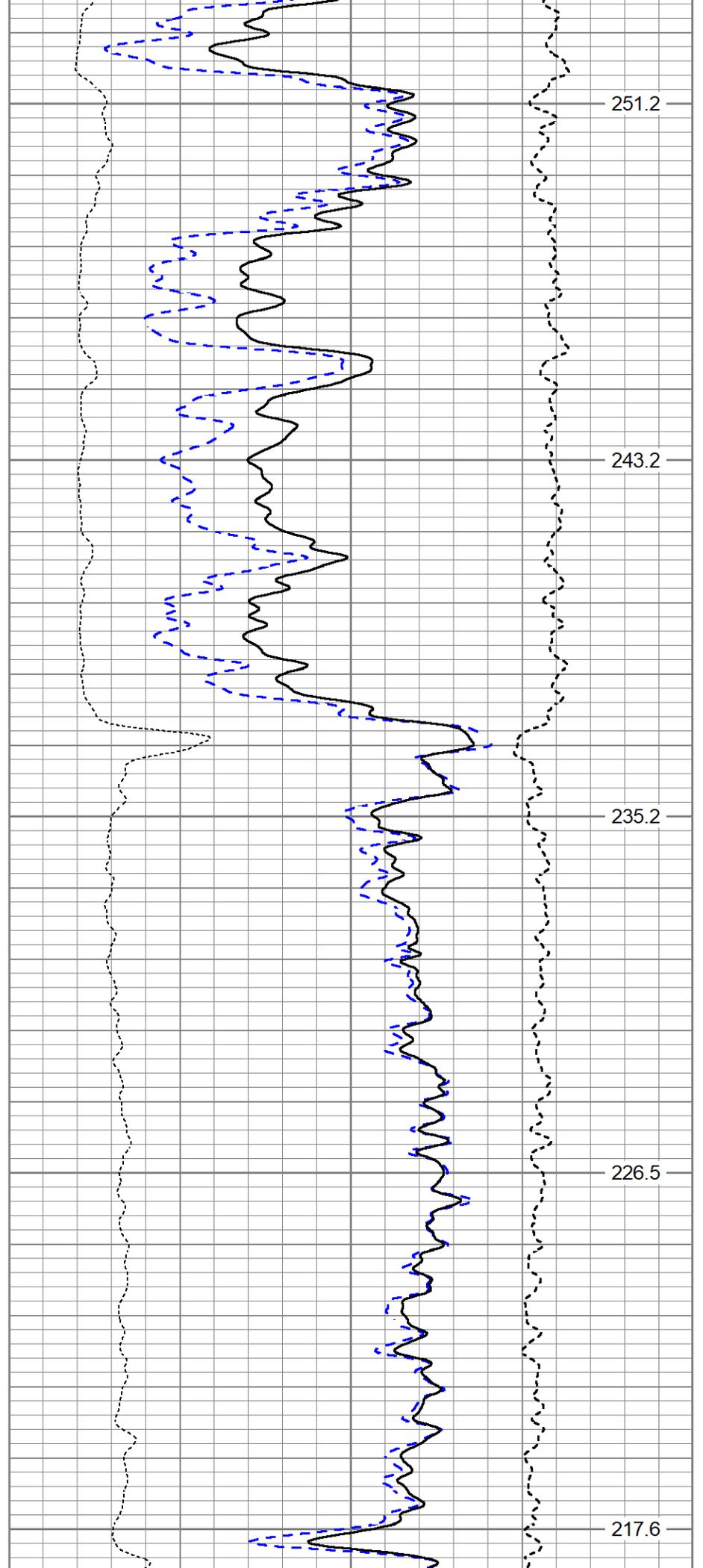
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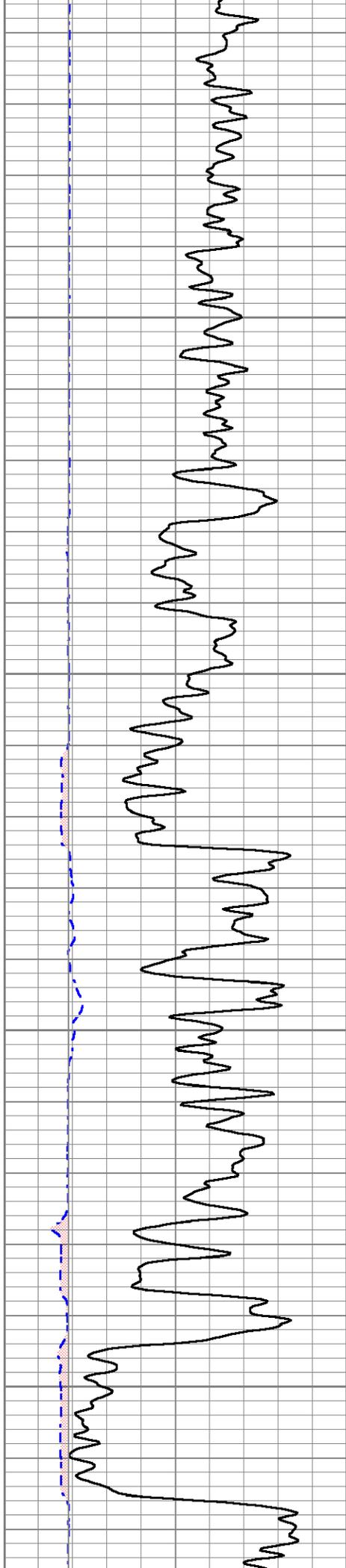
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235.2

226.5

217.6

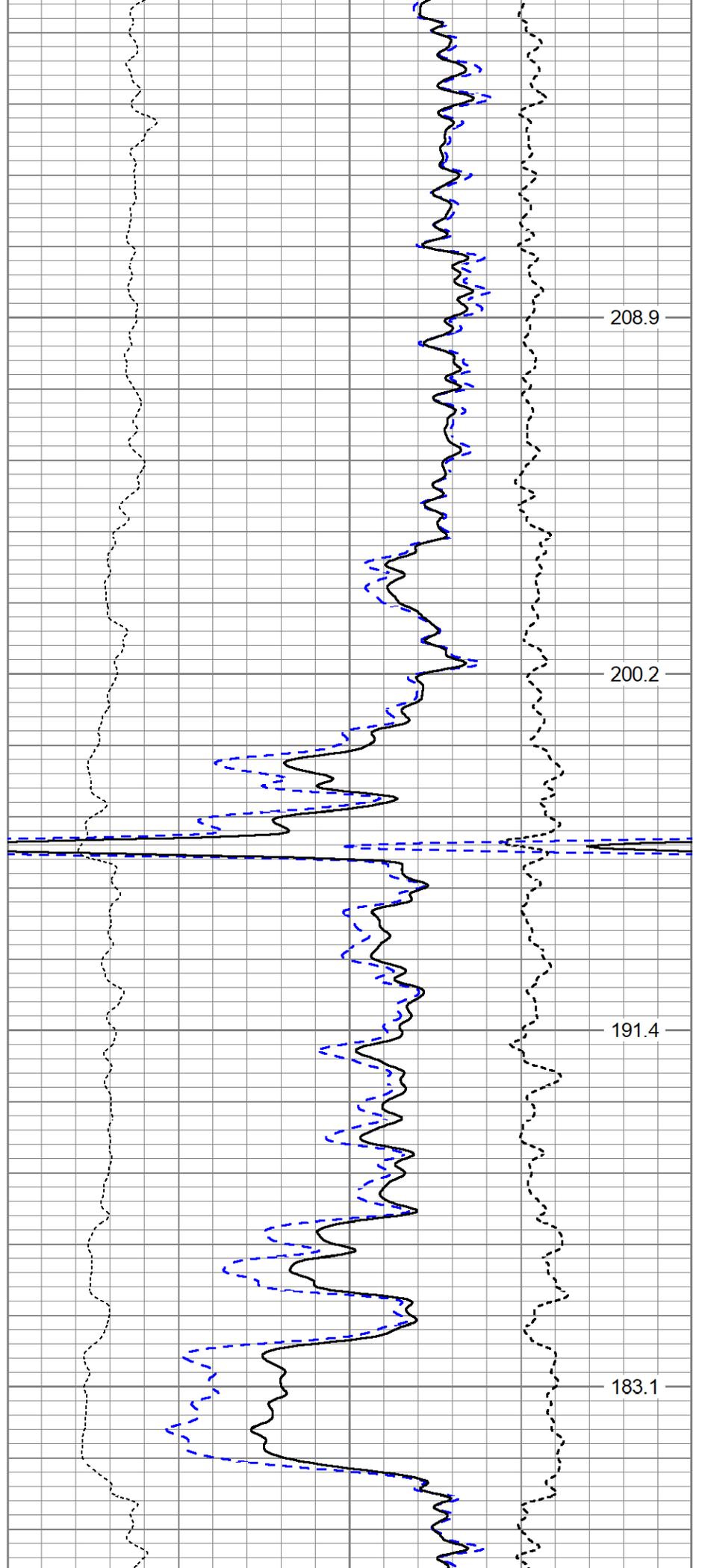


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2450

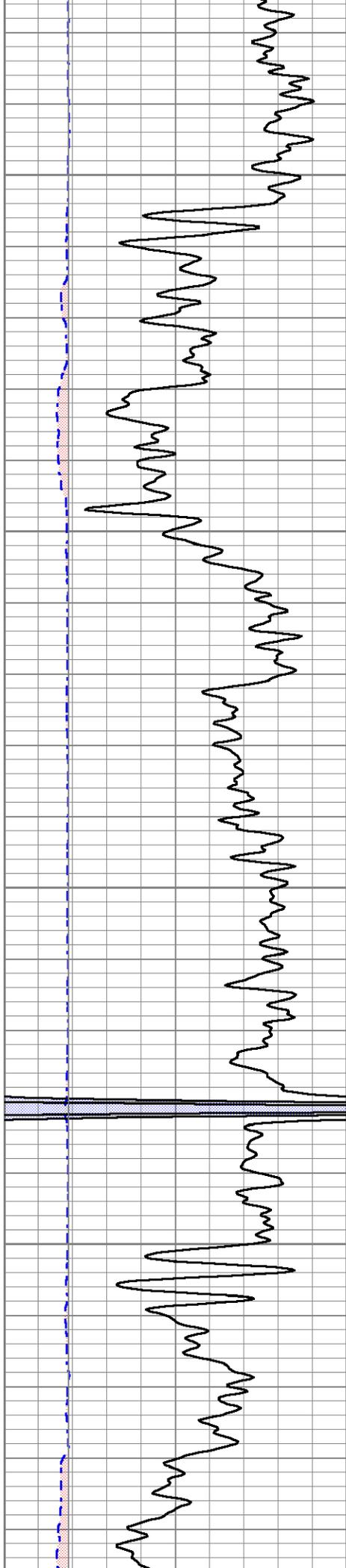


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200.2

191.4

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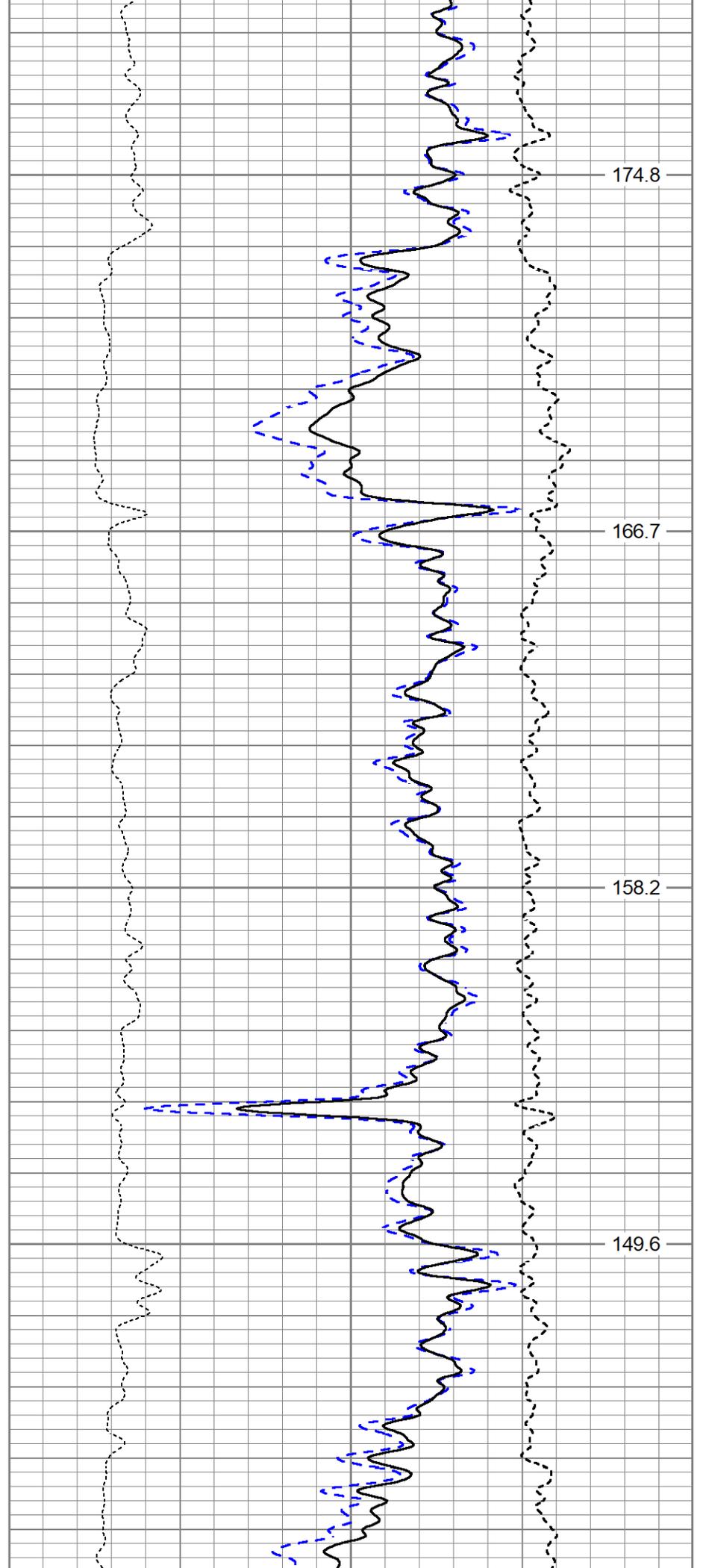


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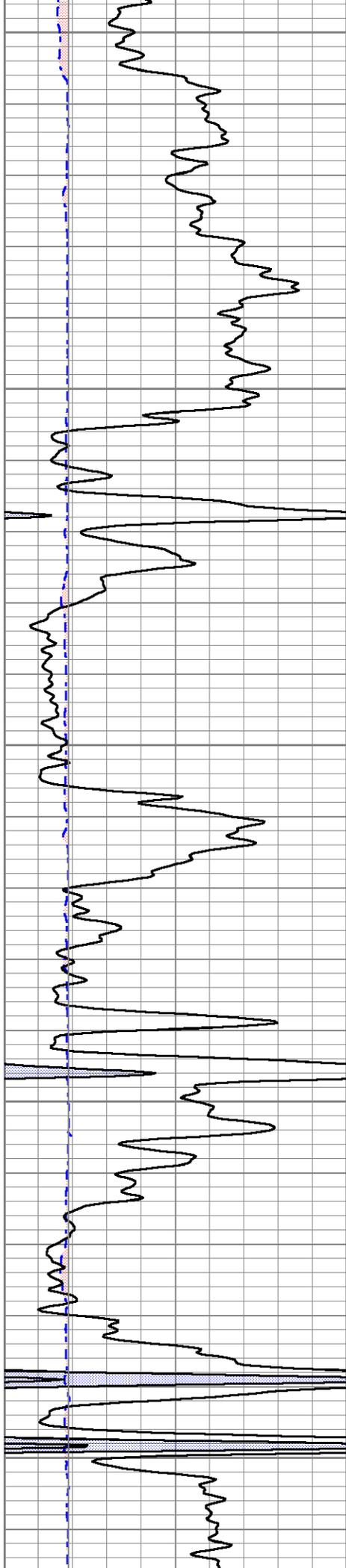


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149.6



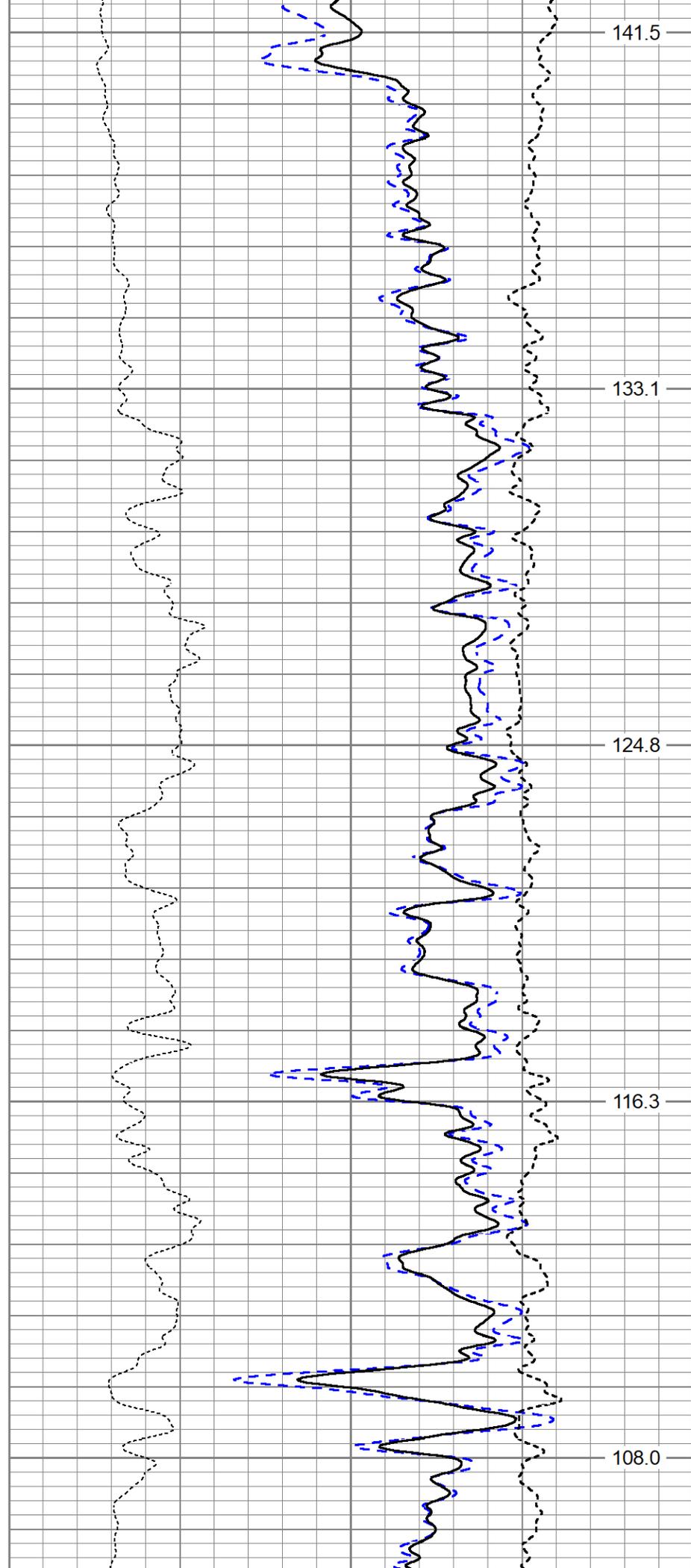
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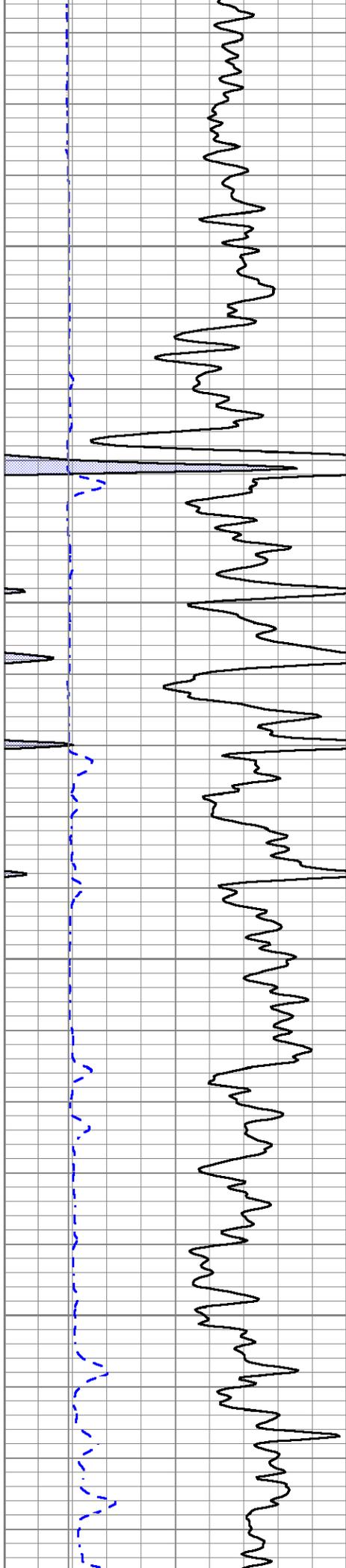
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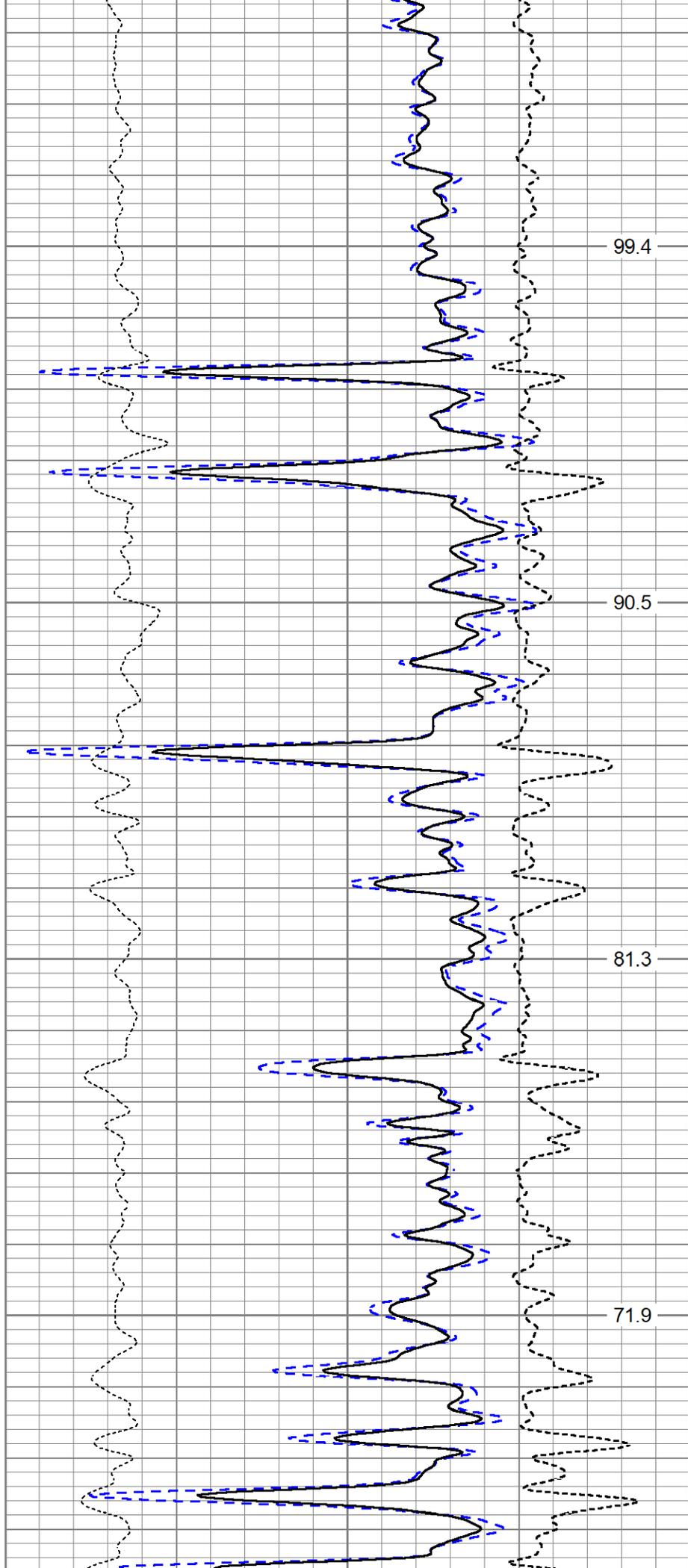


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3050

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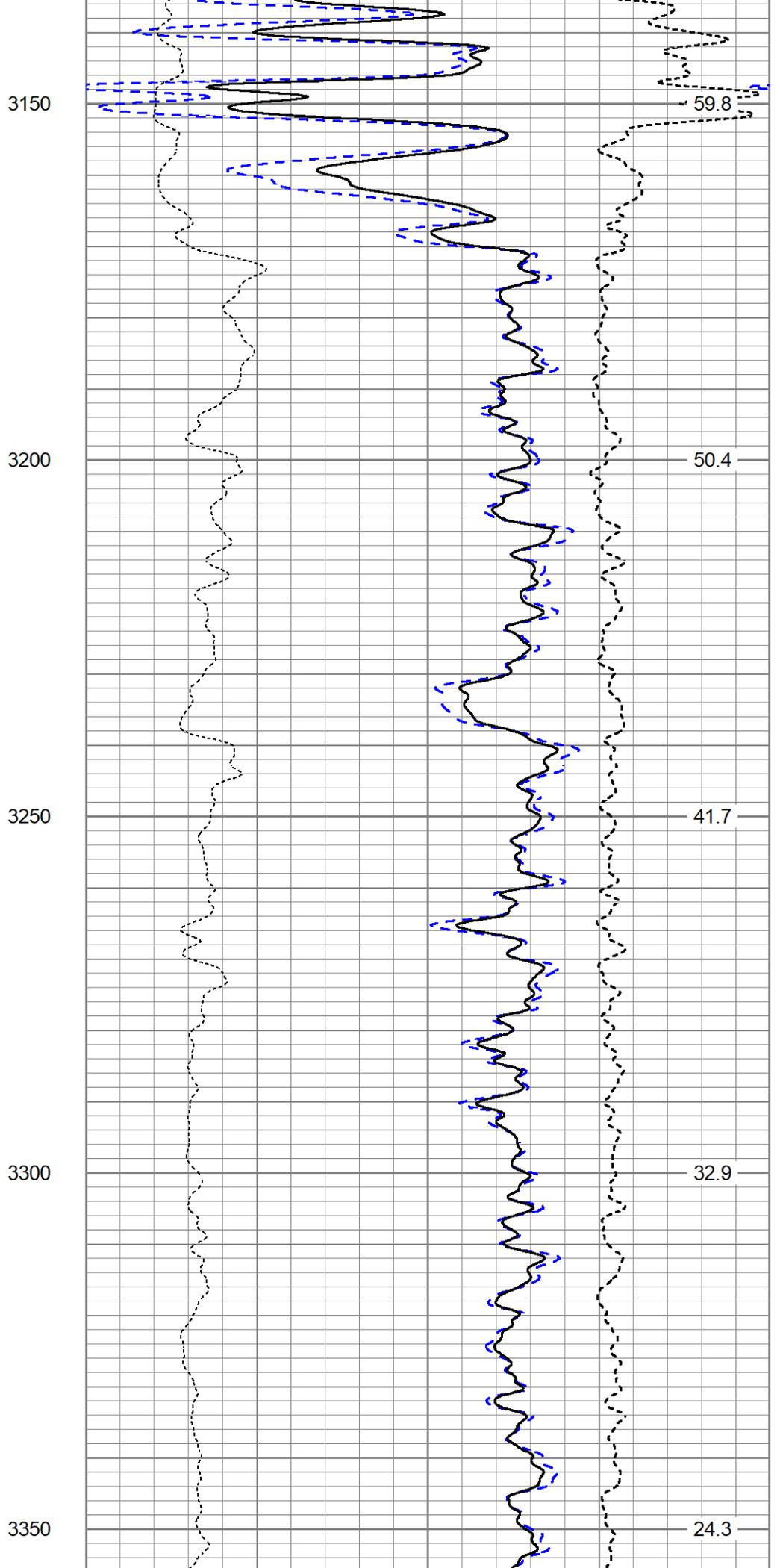
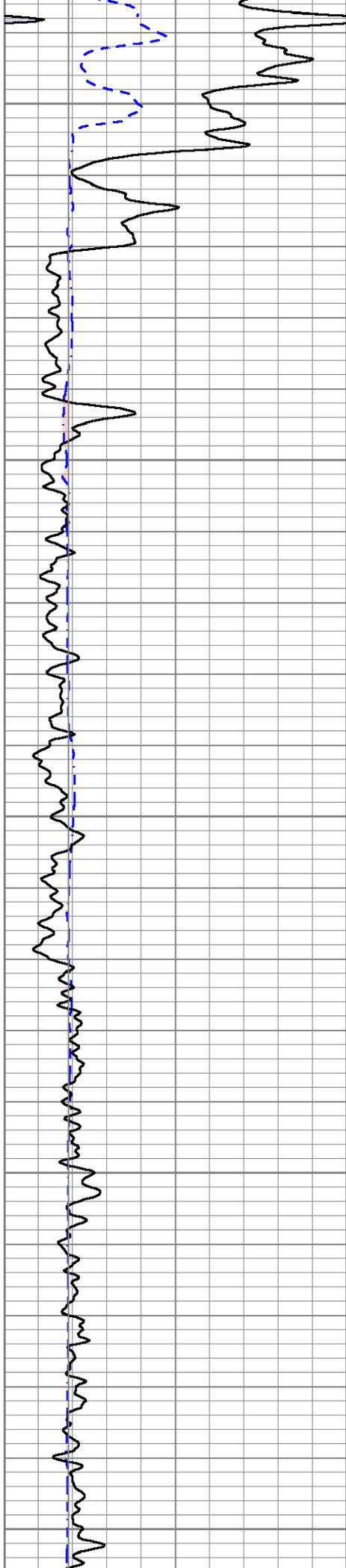


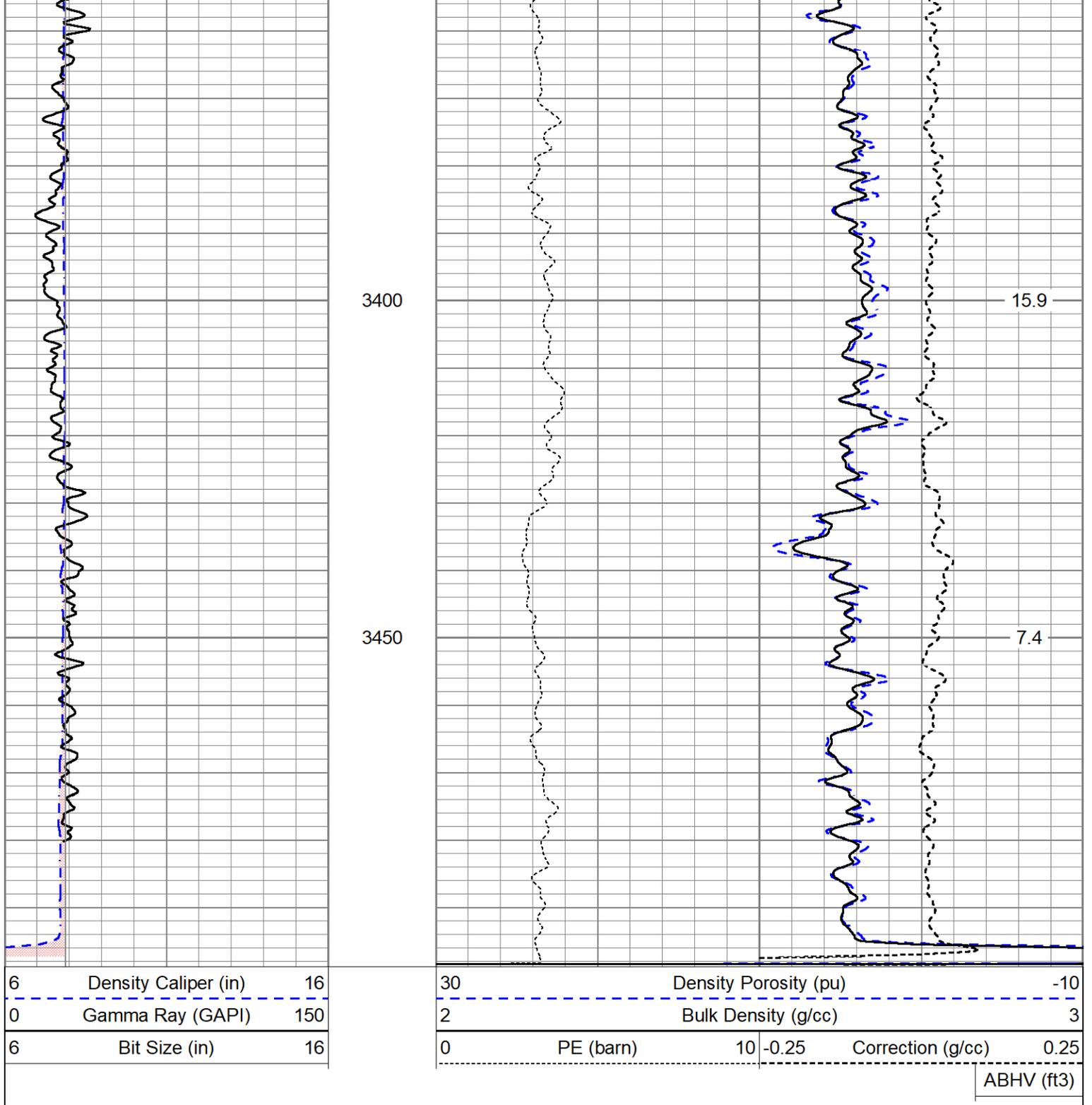
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90.5

81.3

71.9





Calibration Report

Database File ow2-9238 val energy.db
 Dataset Pathname pass4.3
 Dataset Creation Sat Nov 18 06:21:35 2023

Admyr Lithodensity Calibration Report

Serial-Model: 1B-B
 Source: LITHO OW2 63566B
 Master Calibration Performed: Mon Jul 31 10:23:34 2023

Master Calibration

Density

Far Detector

Near Detector

Magnesium	1.710	g/cc	6643.26	7661.06	cps
Aluminium	2.610	g/cc	1664.78	3915.25	cps
Aluminium+Sleeve	2.622	g/cc	1575.55	3677.94	cps

Spine Angle = 64.12

Density/Spine Ratio = 0.585

	PE		NLITH	NHARD	
Magnesium	1.658	barn	4857.11	4529.60	cps
Aluminium	2.228	barn	1117.04	1250.33	cps
Aluminium+Sleeve	3.107	barn	893.42	1214.82	cps

M = 0.836

B = -0.294

R = 1.000

	Size		Reading	
Small Ring	7.85	in	2.82	V
Large Ring	12.00	in	5.60	V

Neutron Calibration Report

Serial Number: (YELLOW 0600 011 NEUTRON DOOR)
 Tool Model: ADDON
 Performed: Wed Nov 15 02:35:09 2023

Calibrator Values: 0 27
 Calibrator Readings: 6100 3900 cps

Sensitivity: -0.0122727 /cps

Gamma Ray Calibration Report

Serial Number: Yellow Tool 061221
 Tool Model: OSAGE_01
 Performed: Thu Aug 17 19:07:06 2023

Calibrator Value: 150.0 GAPI

Background Reading: 610.0 cps
 Calibrator Reading: 930.0 cps

Sensitivity: 0.4688 GAPI/cps

Inclinometer Calibration Report

Performed: Mon Aug 21 11:27:21 2023

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
ACCY	17.83		ADMYR_TELEMETRY-OSAGE_01 (Yellow Tool 061221) Admyr Telemetry With Gr, Deviation, ADC board and Pulses Board in it.	3.69	3.25	53.00
ACCX	17.83					
GR	16.65					
FRAMES	15.33					
SSTAT	15.33					

