



LITHO DENSITY NEUTRON LOG

Company VAL ENERGY, INC
 Well HOUSE RANCH # 3-30
 Field WILDCAT
 County COWLEY State KANSAS

Location: API #: 15-035-24793-00-00
 SW NE NE NW
 590' FNL & 3045' FEL
 SEC 30 TWP 33S RGE 6E
 Permanent Datum GL Elevation 1299
 Log Measured From KB
 Drilling Measured From KB
 Other Services
 DIL
 MICRO
 Elevation
 K.B. 1308
 D.F. 1307
 G.L. 1299

Date	12-9-2023
Run Number	ONE
Depth Driller	3350
Depth Logger	3347
Bottom Logged Interval	3345
Top Log Interval	SURFACE
Casing Driller	8.625" @ 300
Casing Logger	8.625" @ 300
Bit Size	7.875"
Type Fluid in Hole	MUD
Density / Viscosity	9.5 / 65
pH / Fluid Loss	10.5 / 5.6
Source of Sample	PI
Rm @ Meas. Temp	2.6 @ 70
Rmf @ Meas. Temp	2.08 @ 70
Rmc @ Meas. Temp	3.12 @ 70
Source of Rmf / Rmc	CALCULATED
Rm @ BHT	1.56 @ 109
Time Circulation Stopped	5:30 PM
Time Logger on Bottom	7:00 PM
Maximum Recorded Temperature	109
Equipment Number	OW2
Location	HOMINY, OK
Recorded By	SHELDON TYLER
Witnessed By	MR. WOLFE

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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 # OW2-9243 VAL ENERGY
 KIDD, LUND, WEEKS
 THANK YOU FOR USING OSAGE WIRELINE

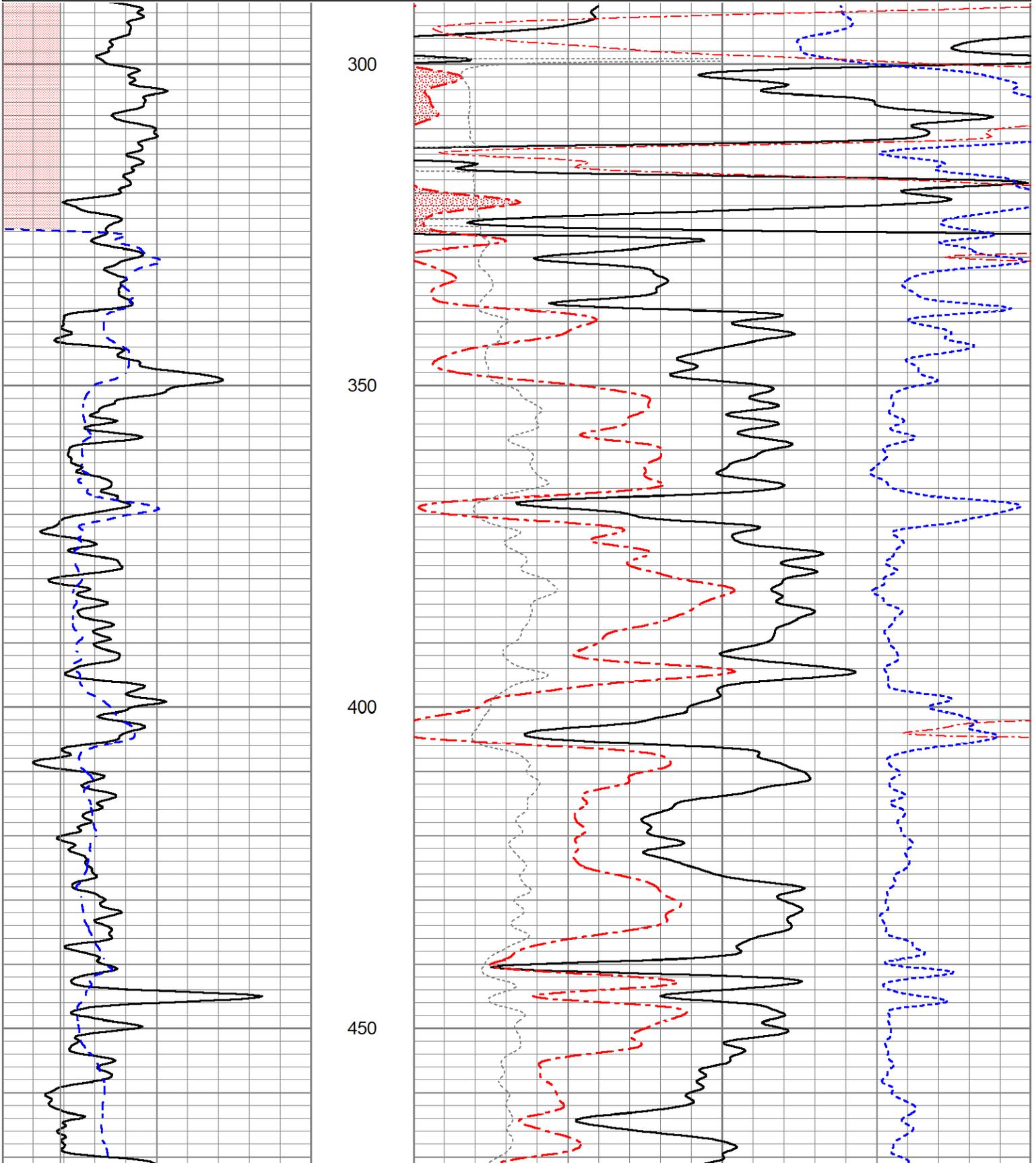


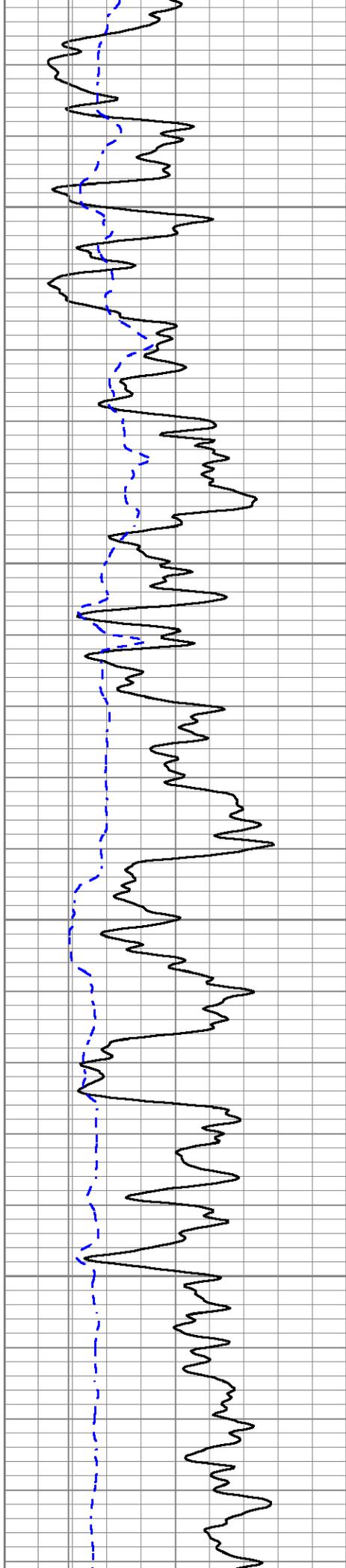
5" DENSITY NEUTRON LOG

Database File ow2-9243 val energy.db
 Dataset Pathname pass3.18
 Presentation Format stcdIn-6-16_5
 Dataset Creation Sat Dec 09 21:50:09 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			



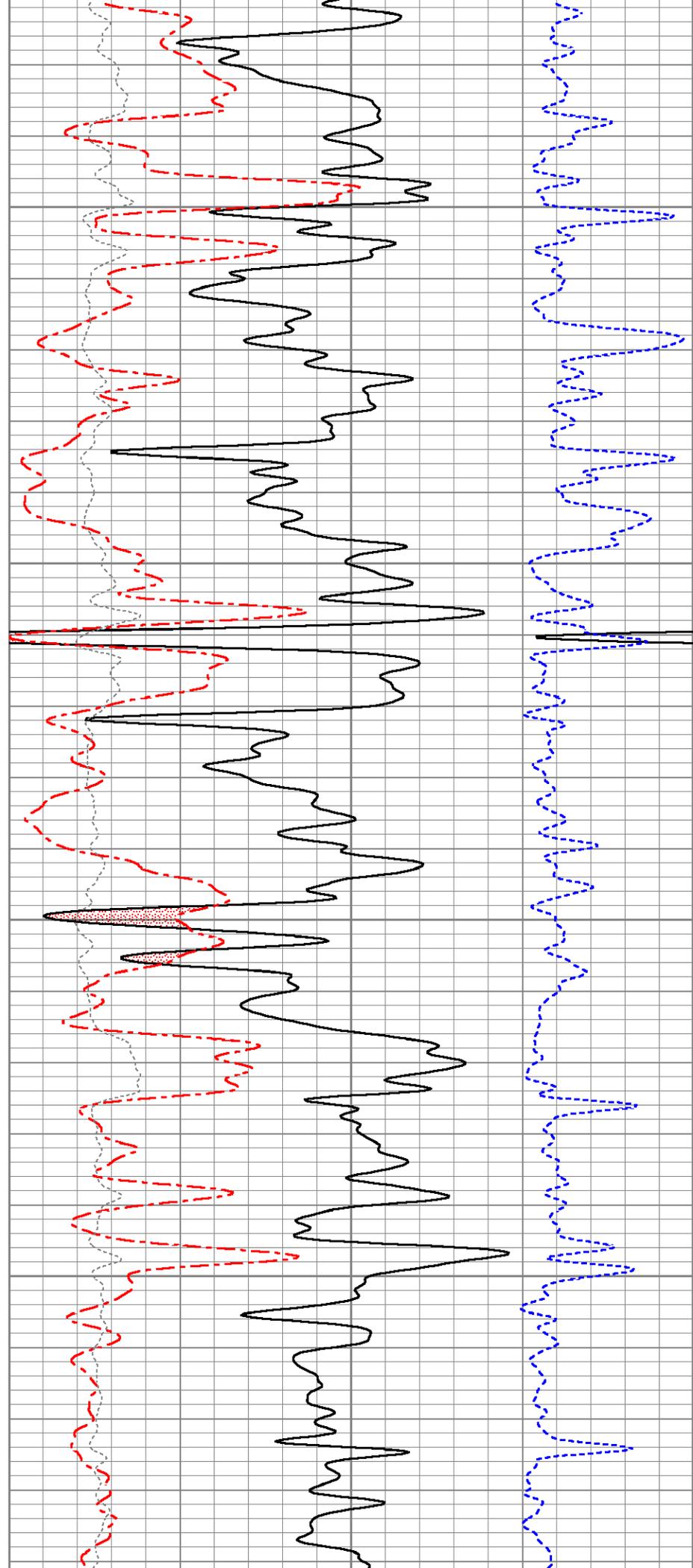


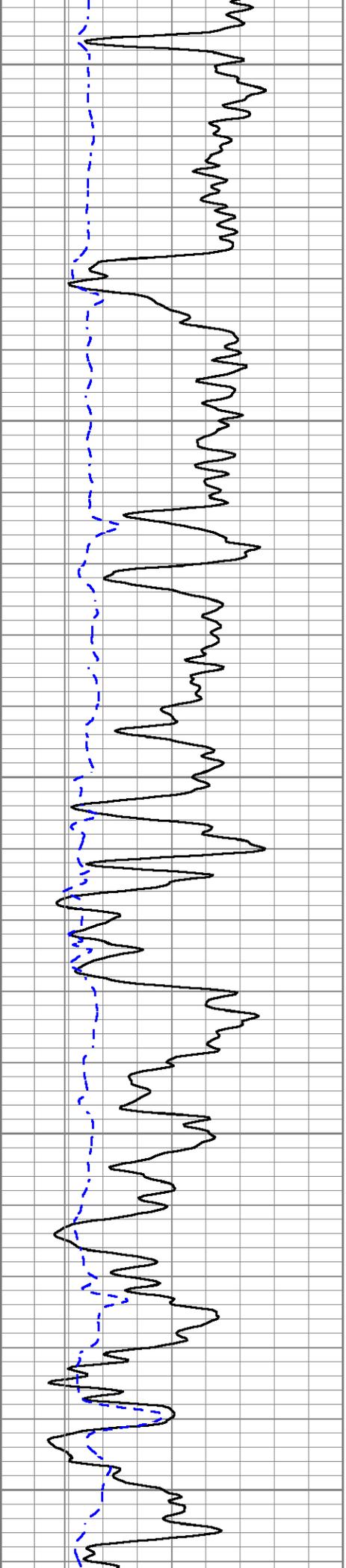
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550

600

650





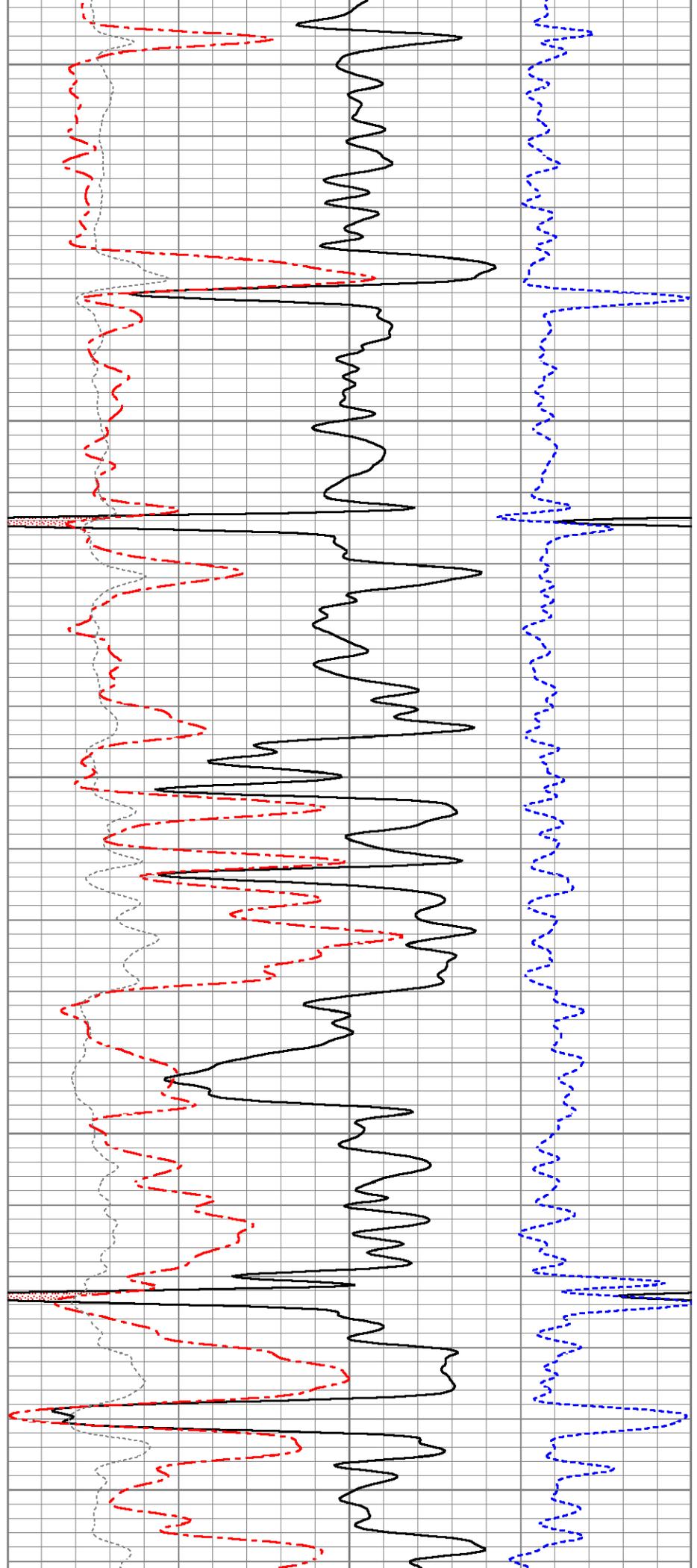
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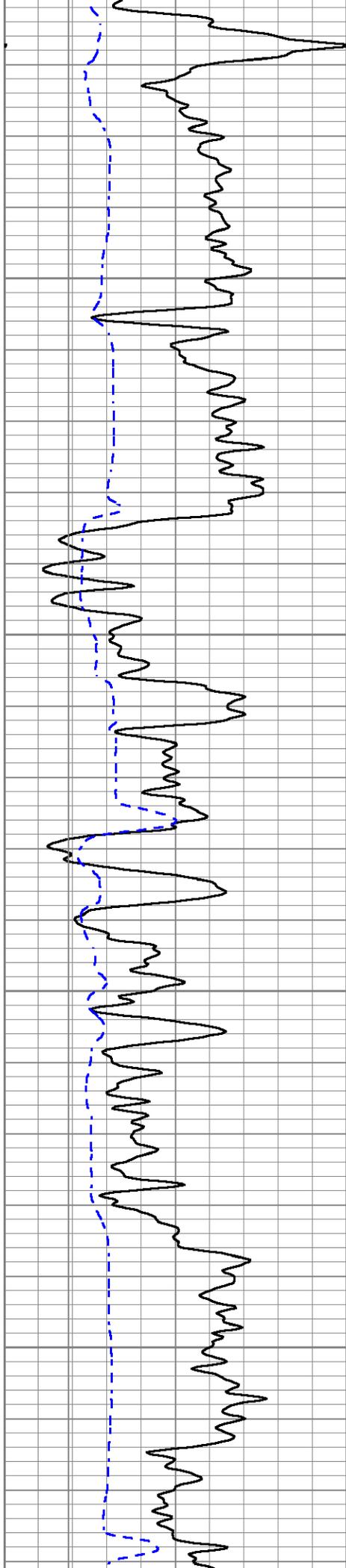
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800

850

900



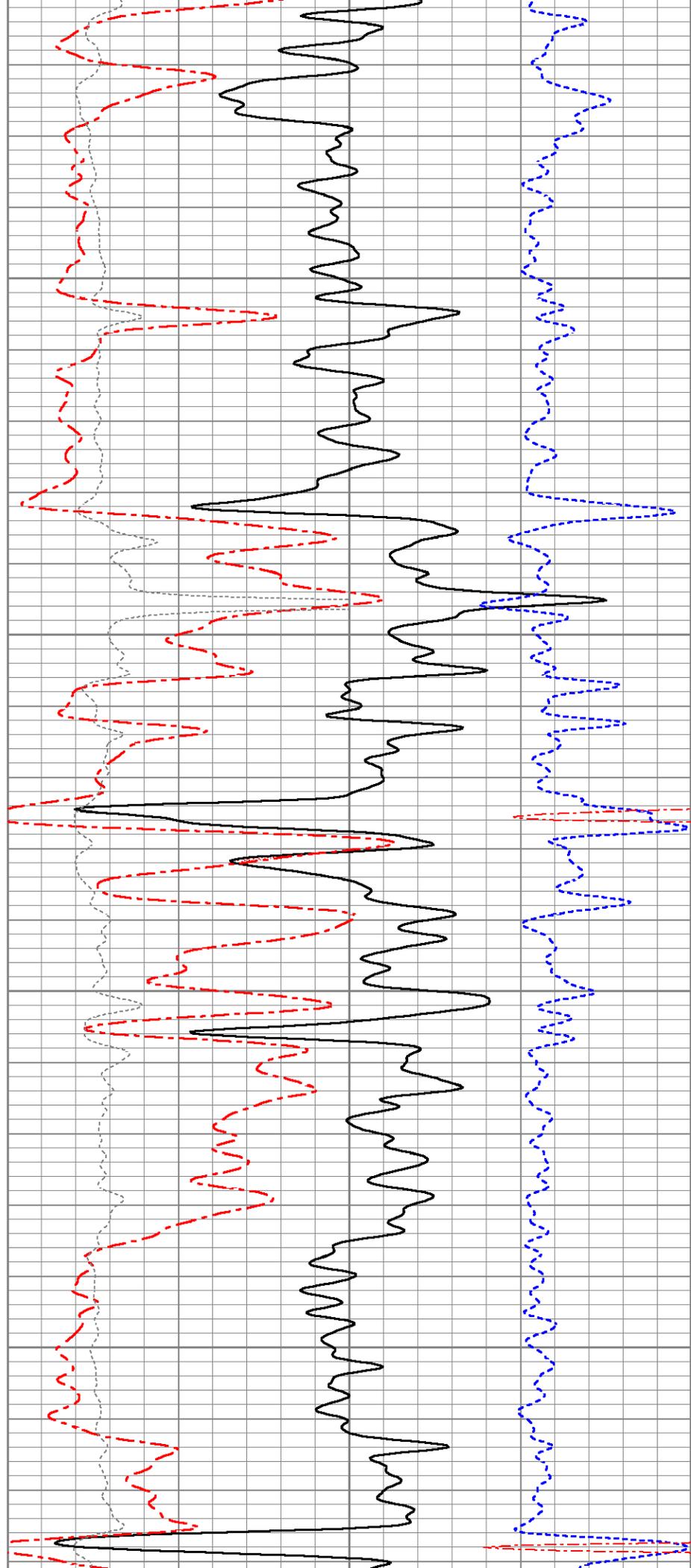


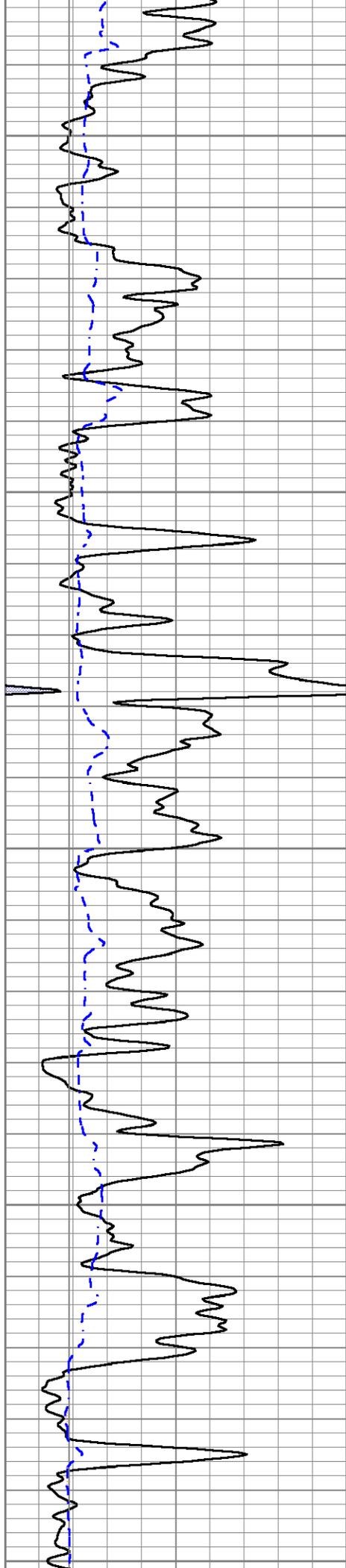
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1000

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1100





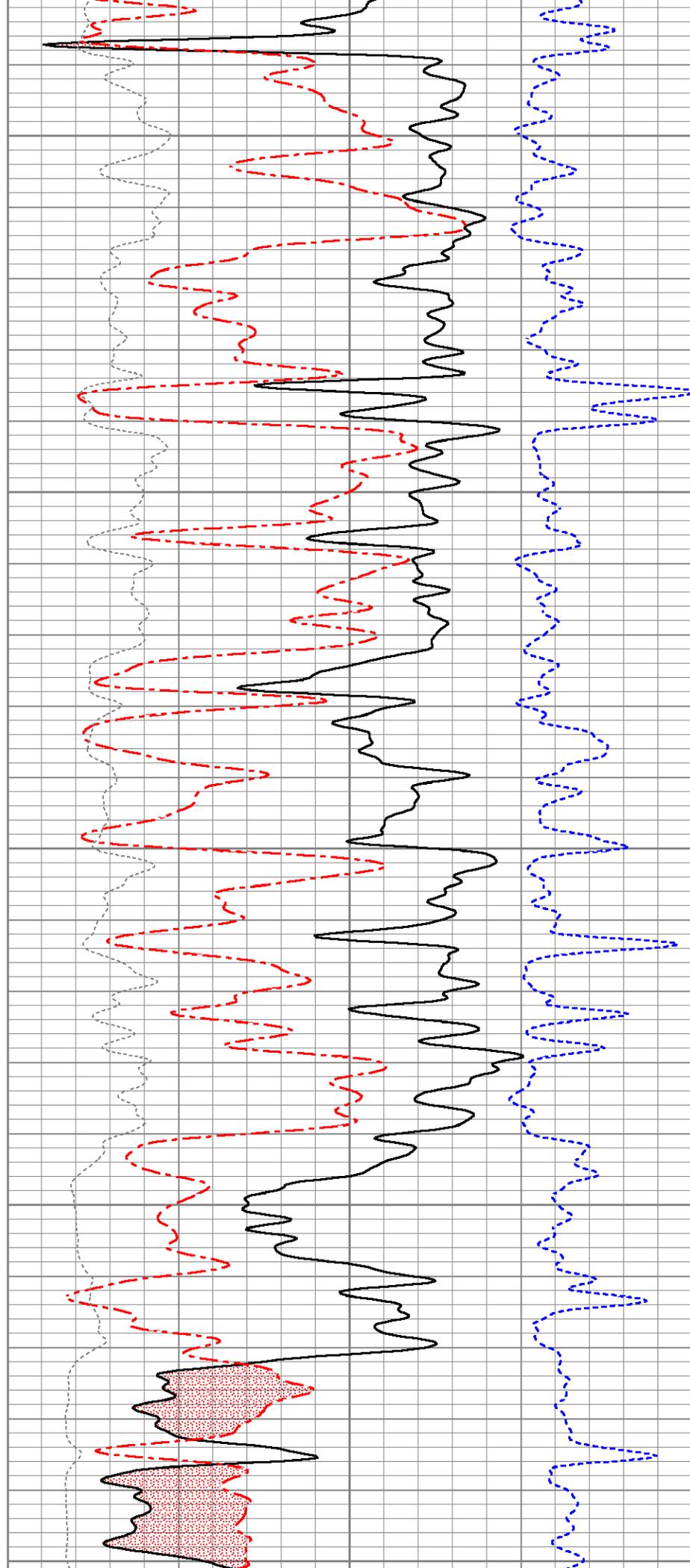
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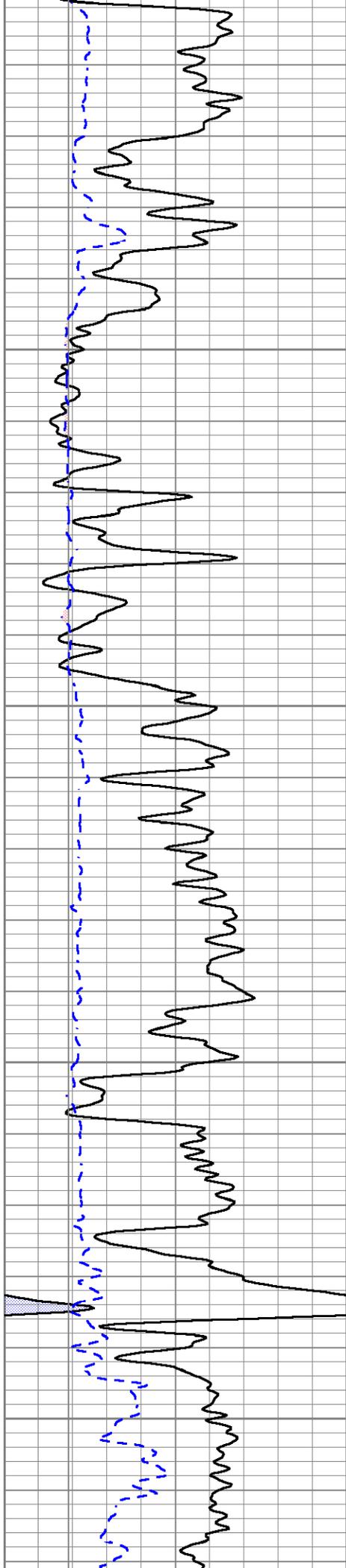
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1350



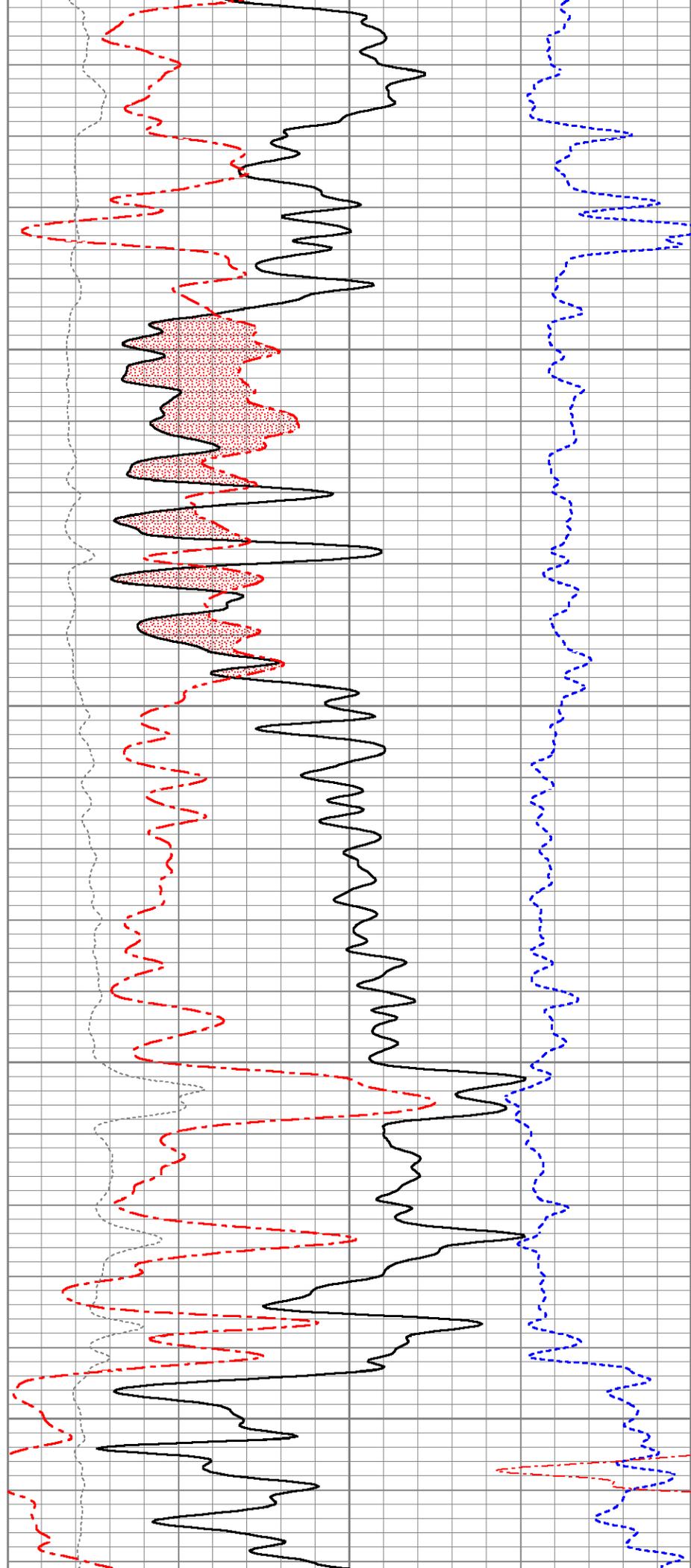


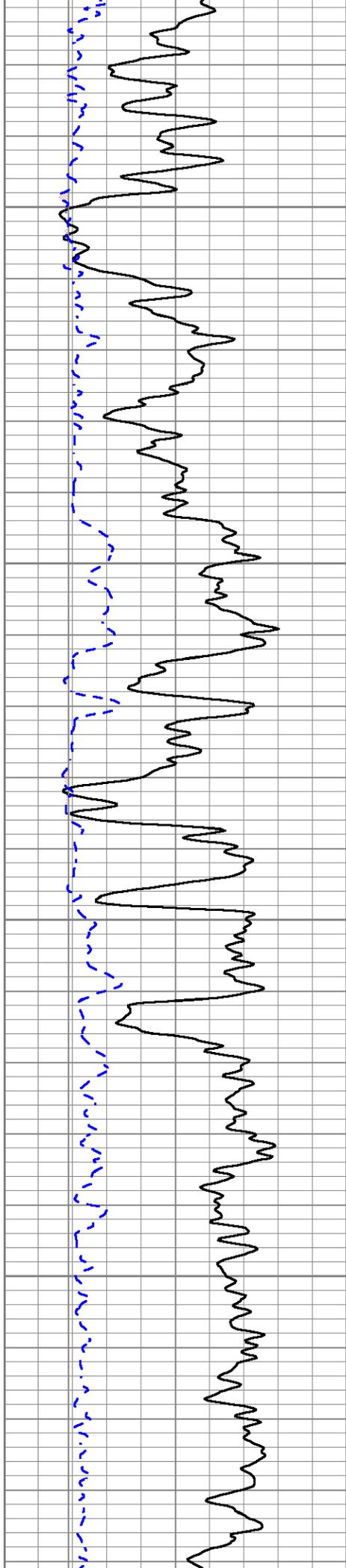
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1450

1500

1550



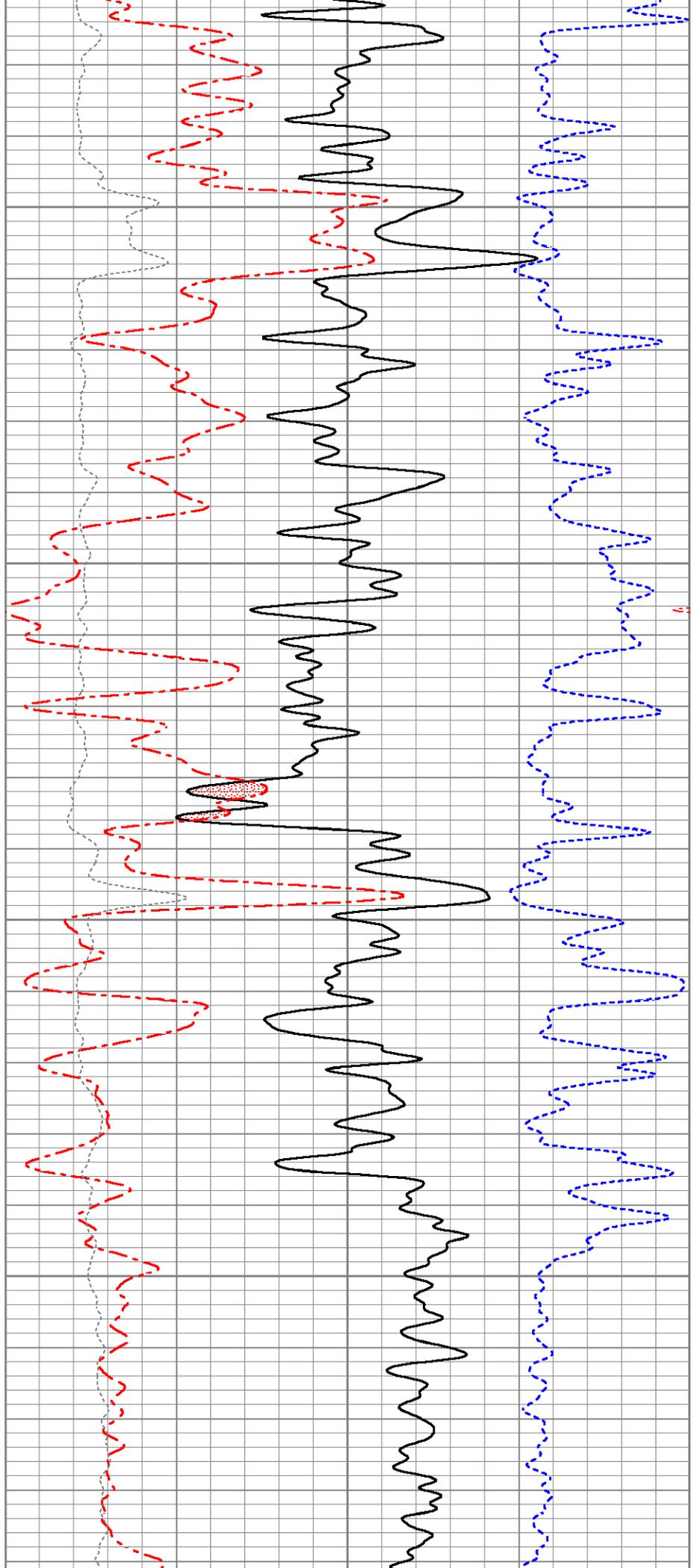


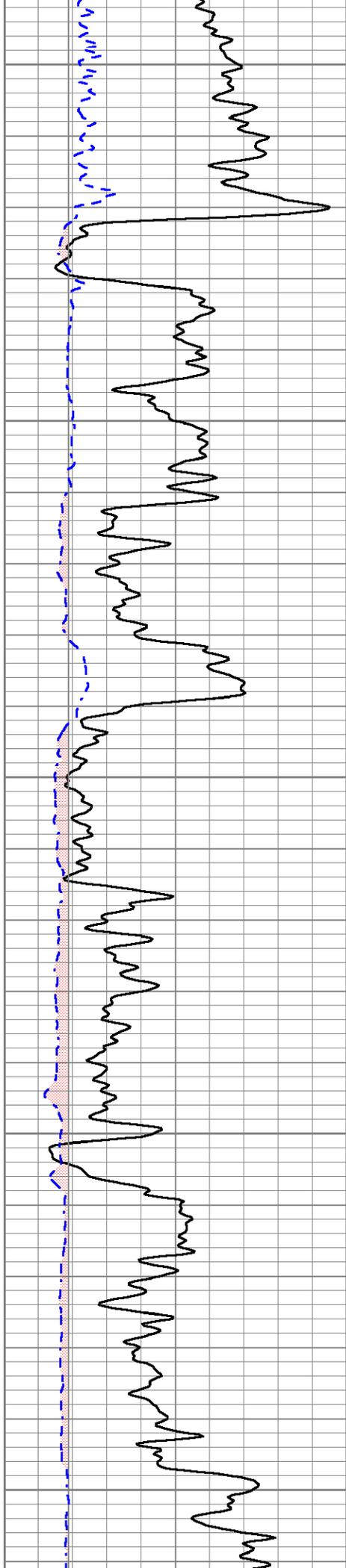
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1650

1700

1750





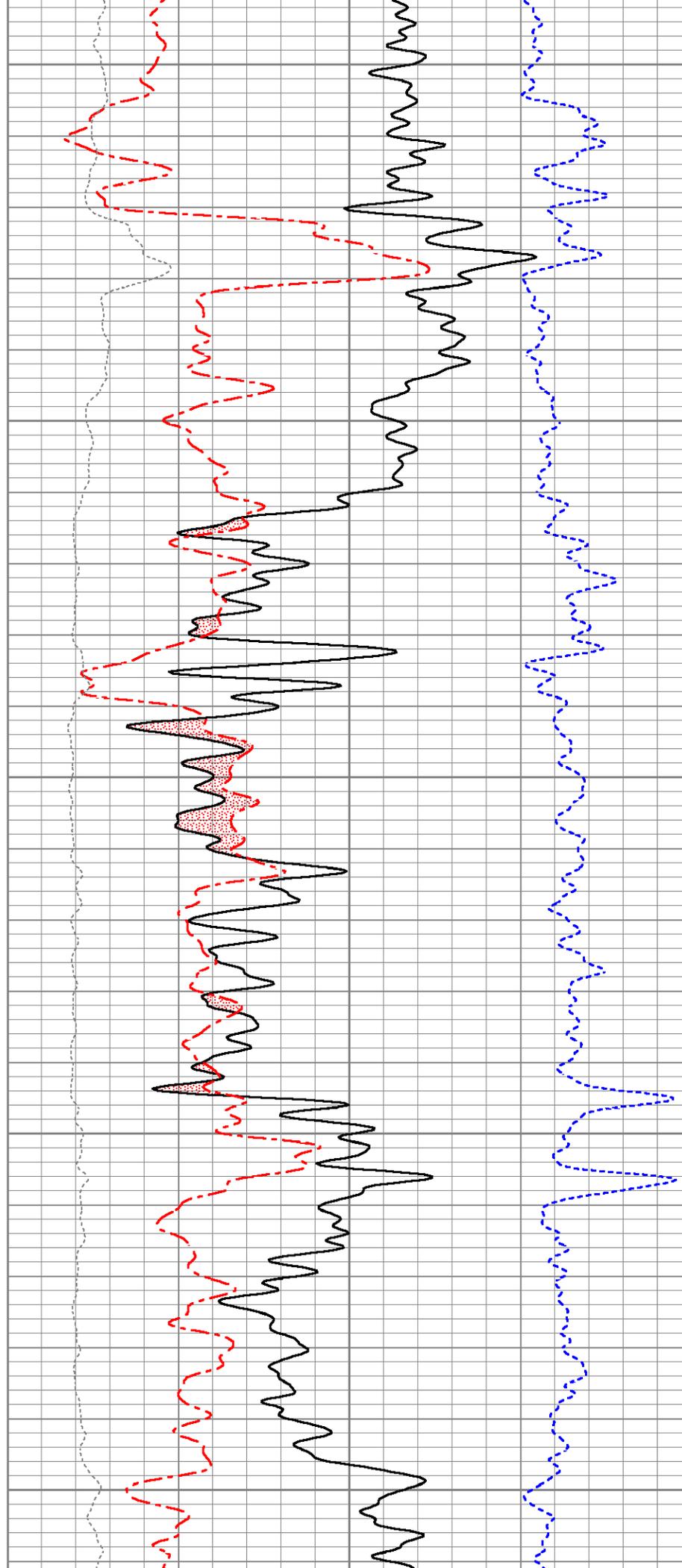
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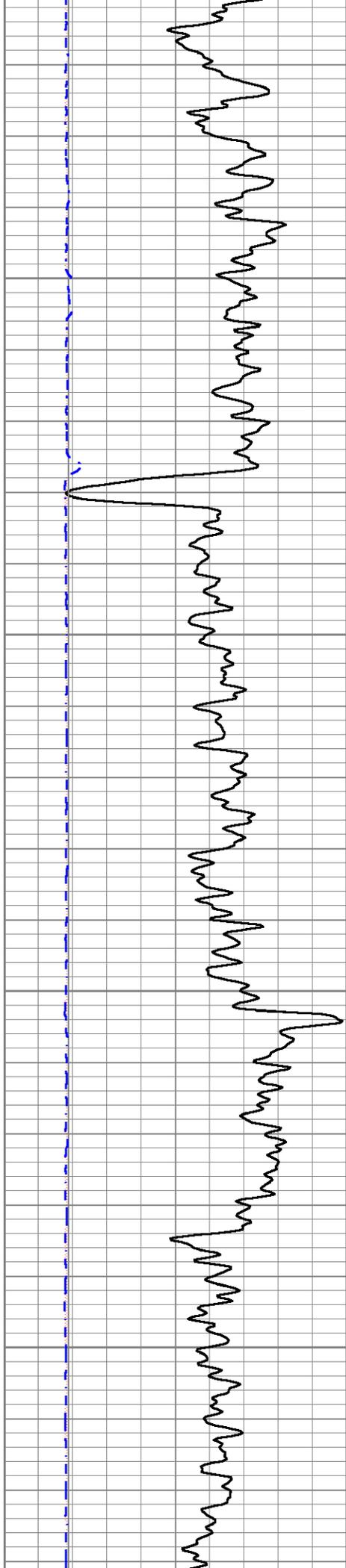
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2000



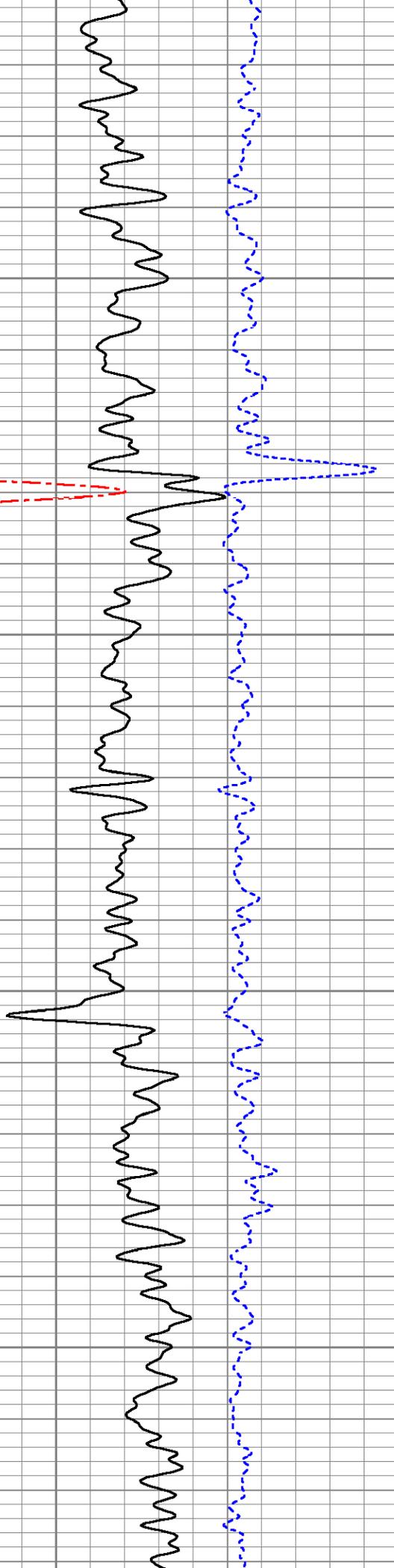
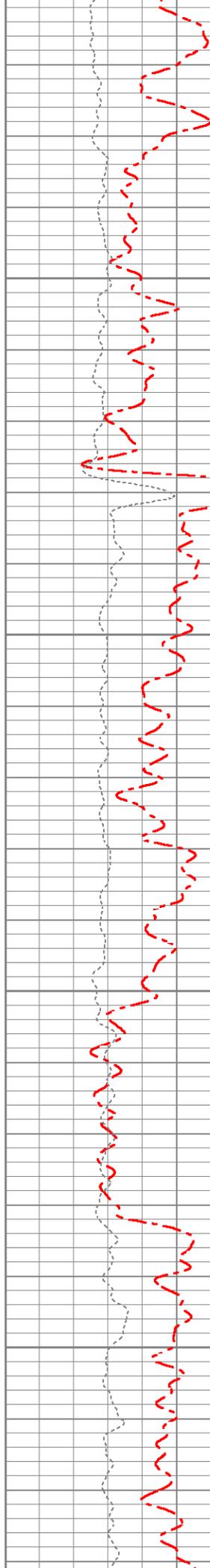


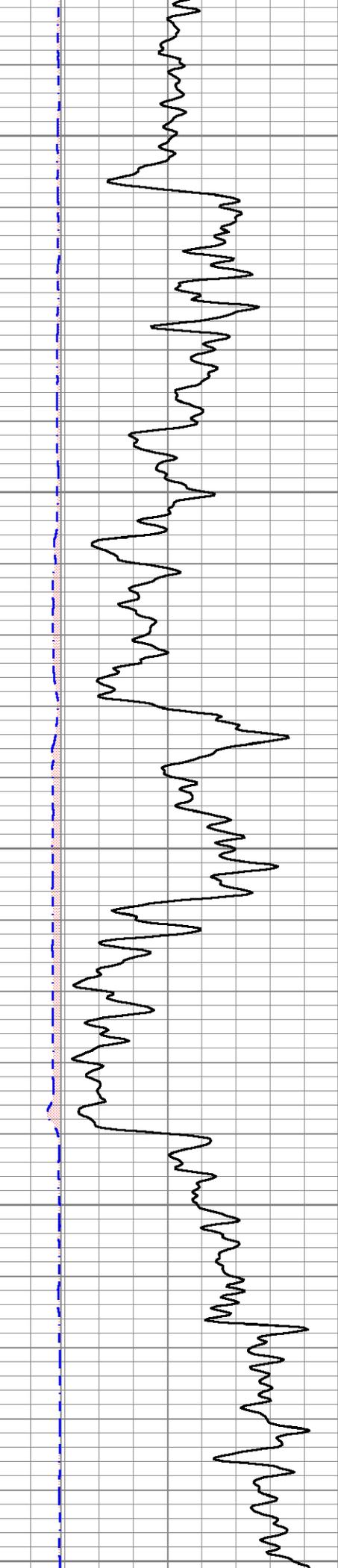
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2100

2150

2200





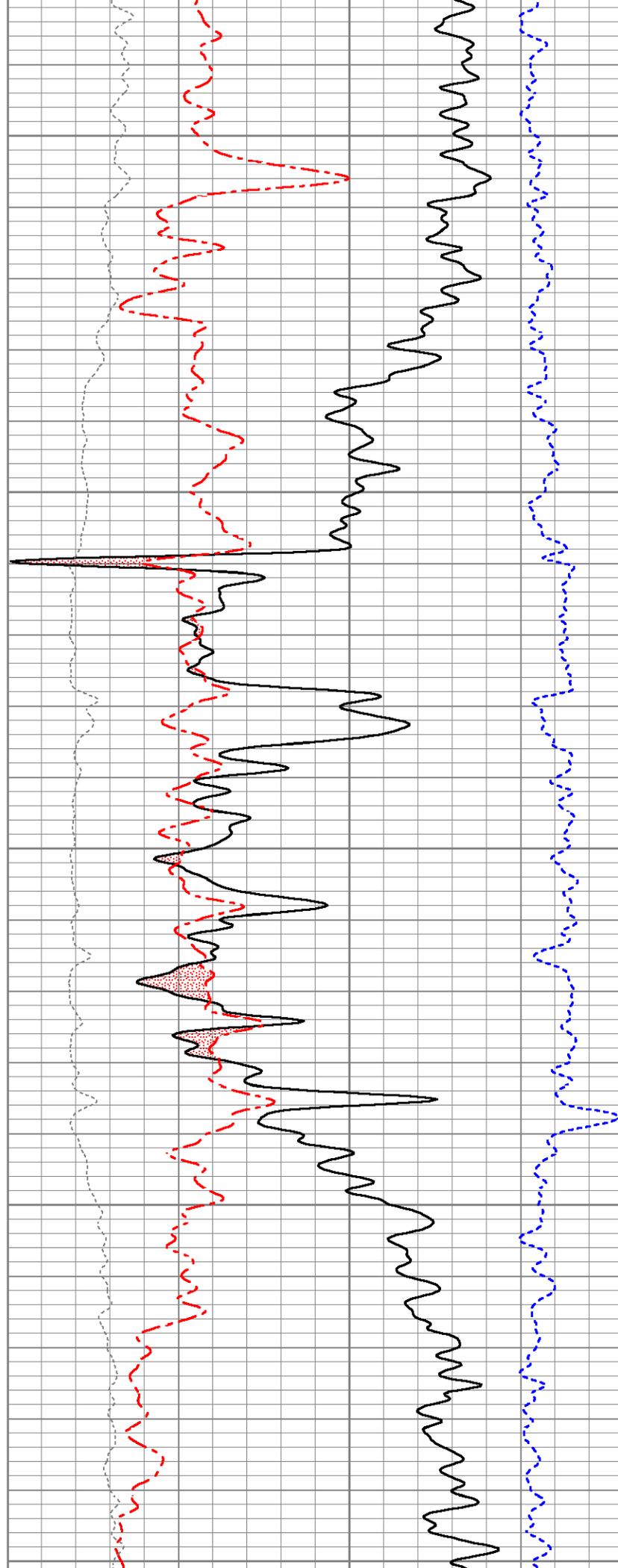
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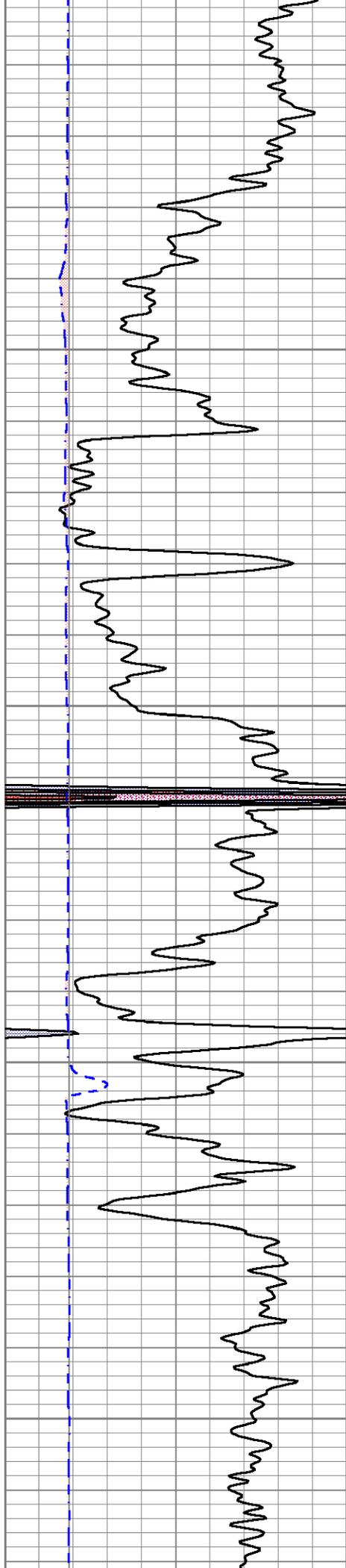
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2350

2400

2450



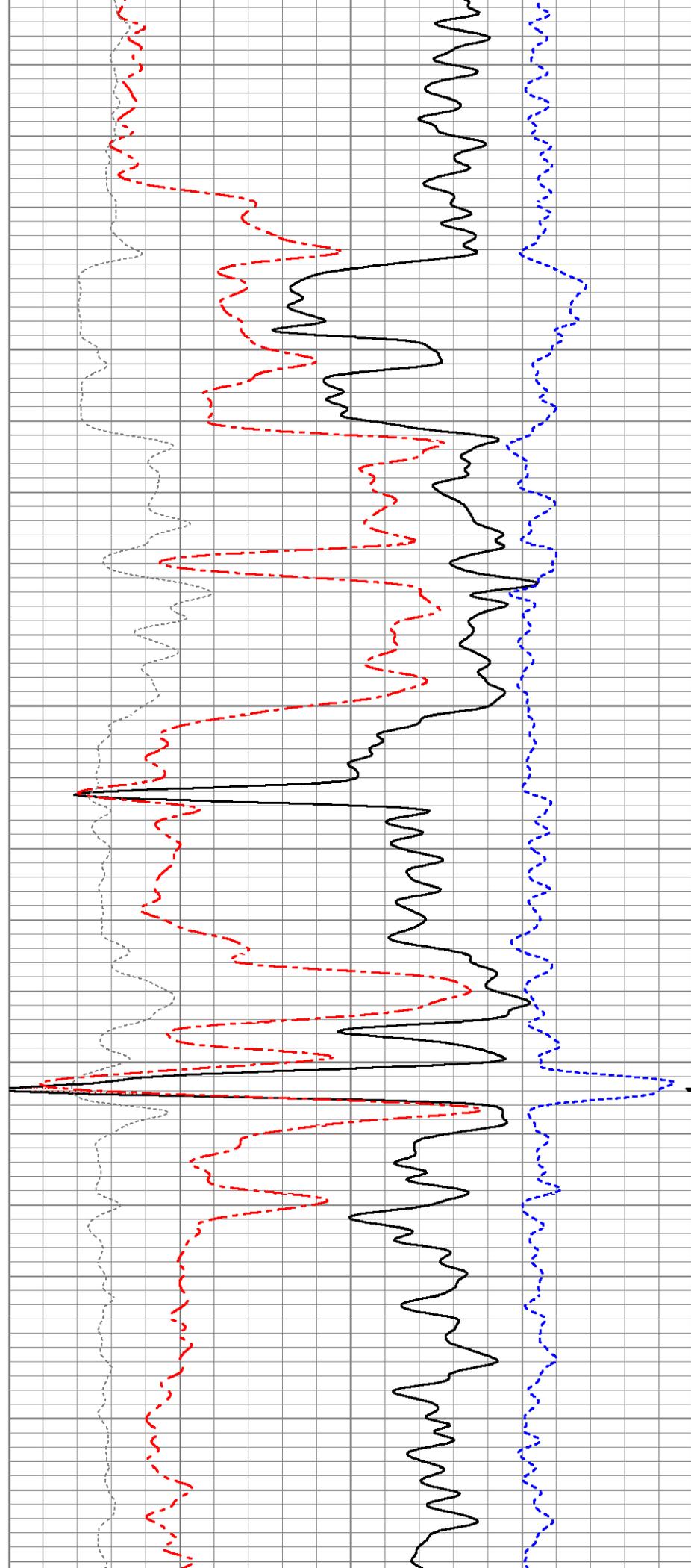


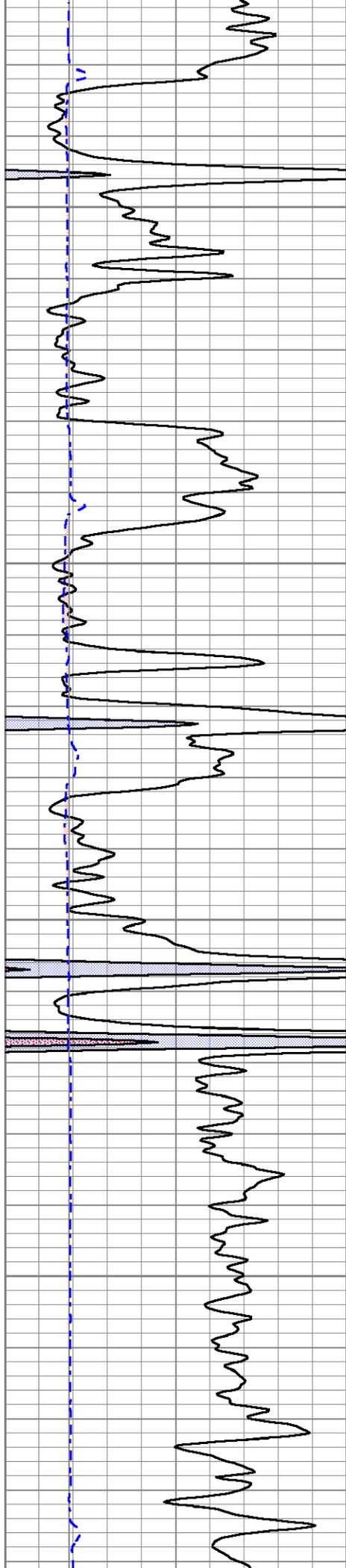
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2550

2600

2650



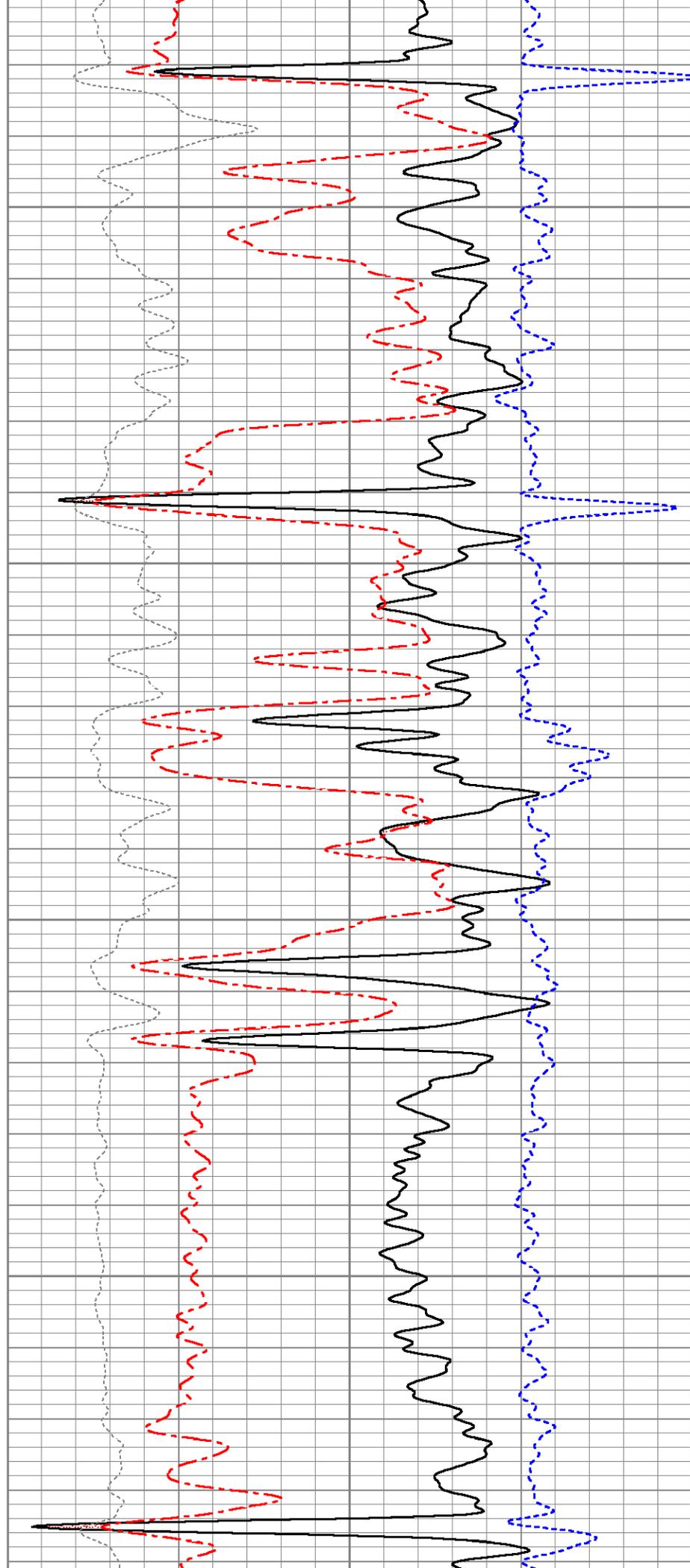


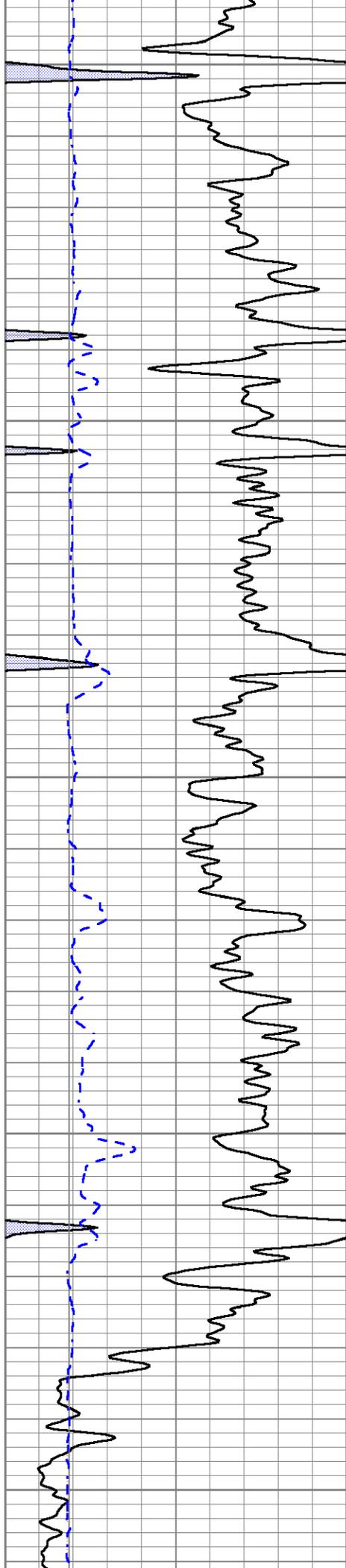
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2850





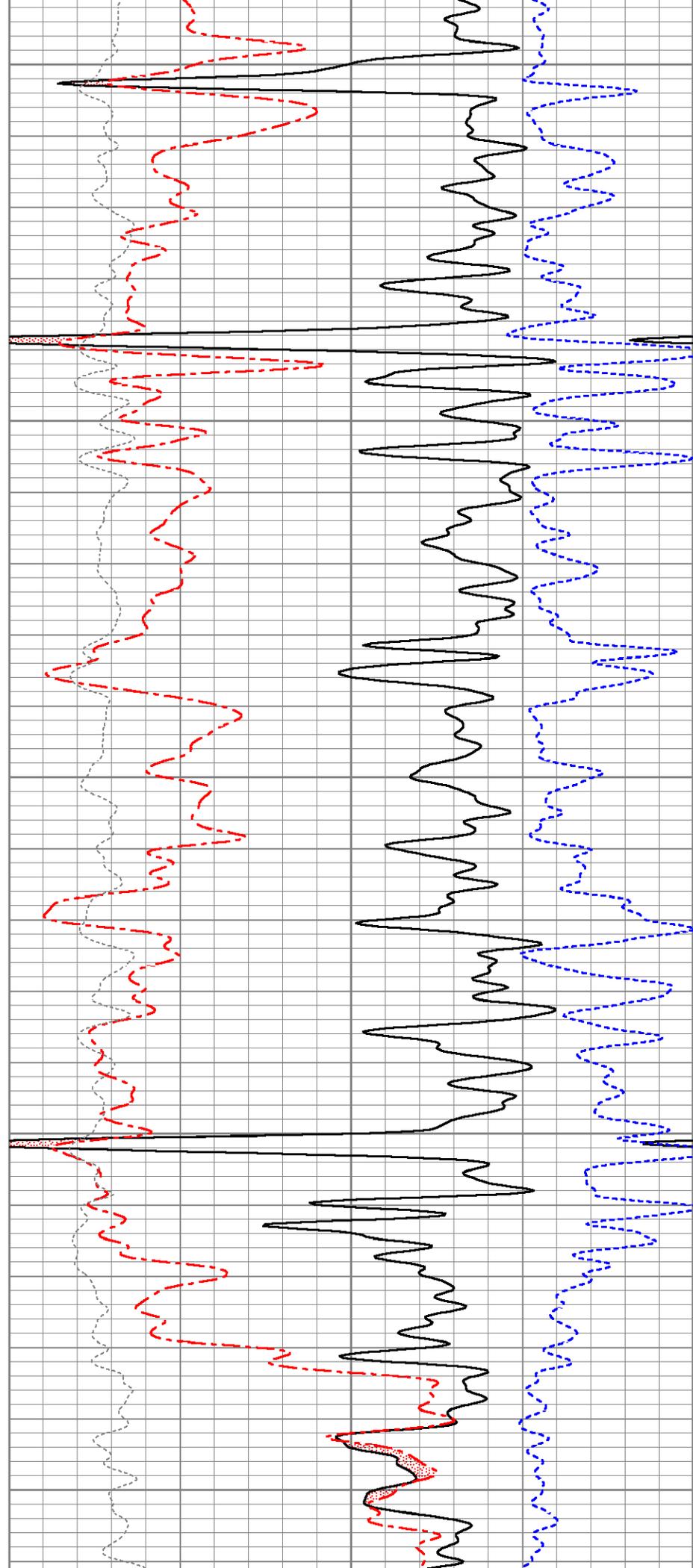
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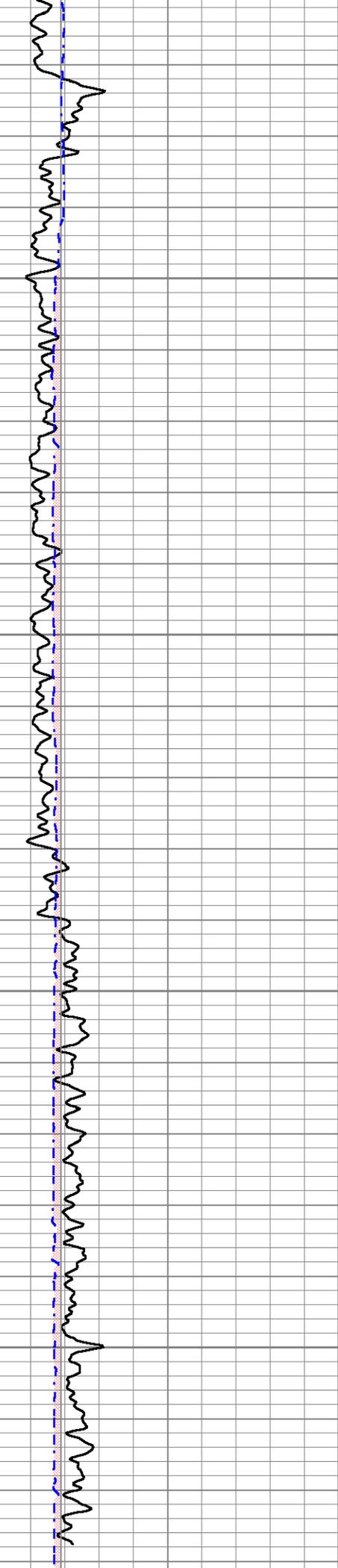
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3000

3050

3100



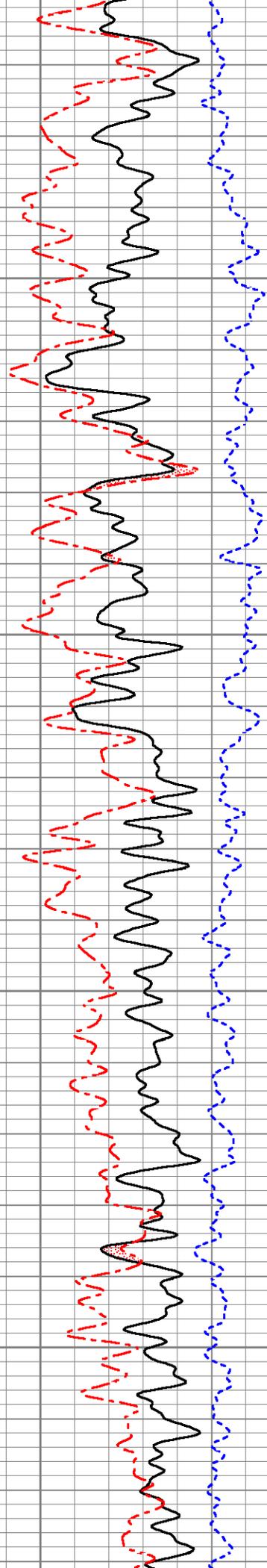
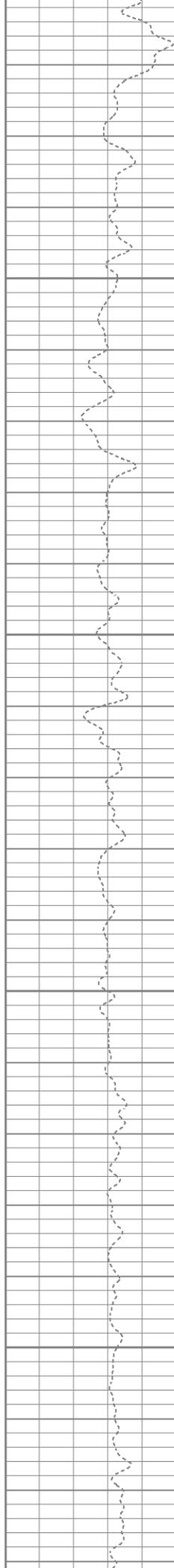


3150

3200

3250

3300



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			

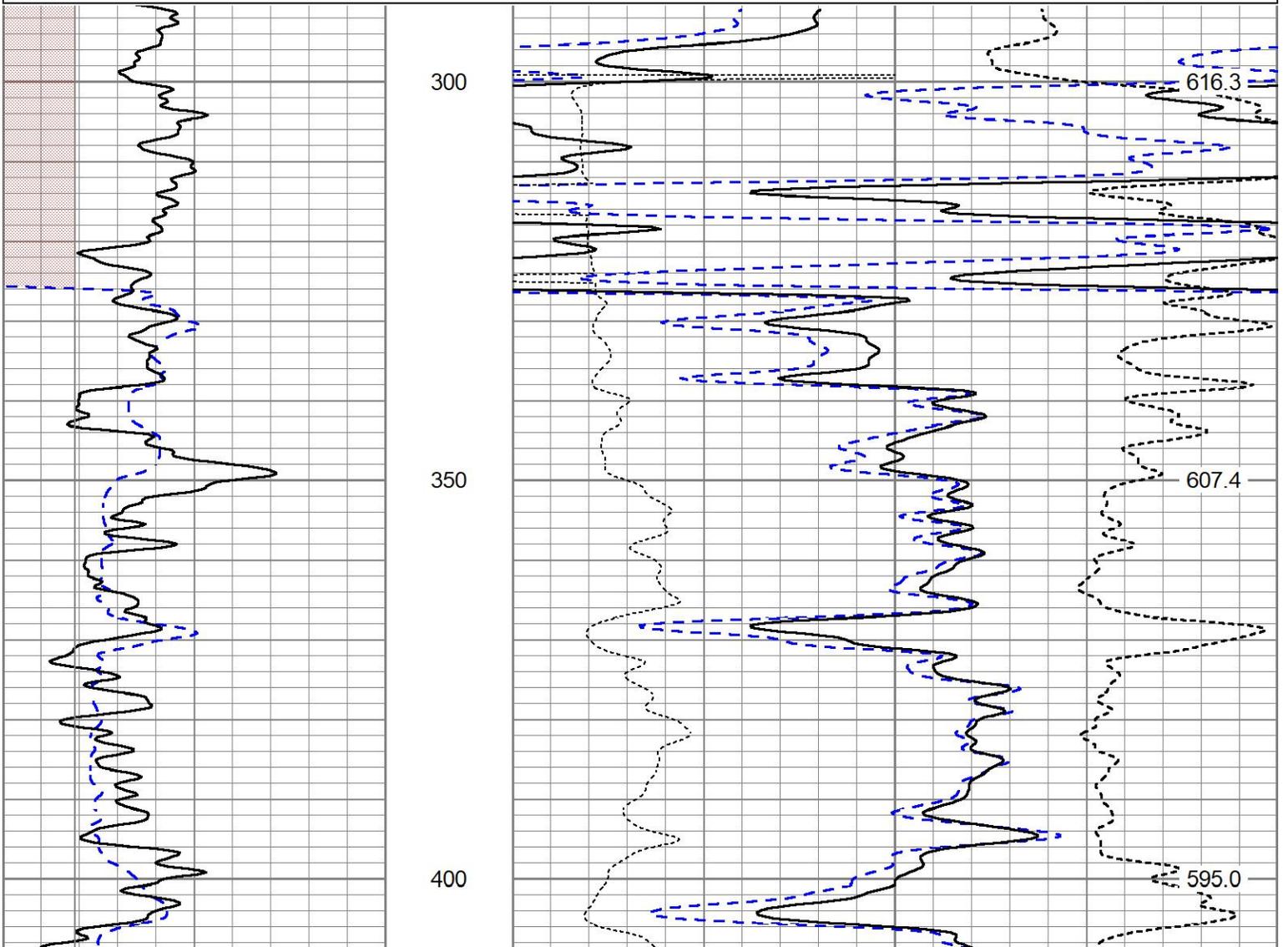


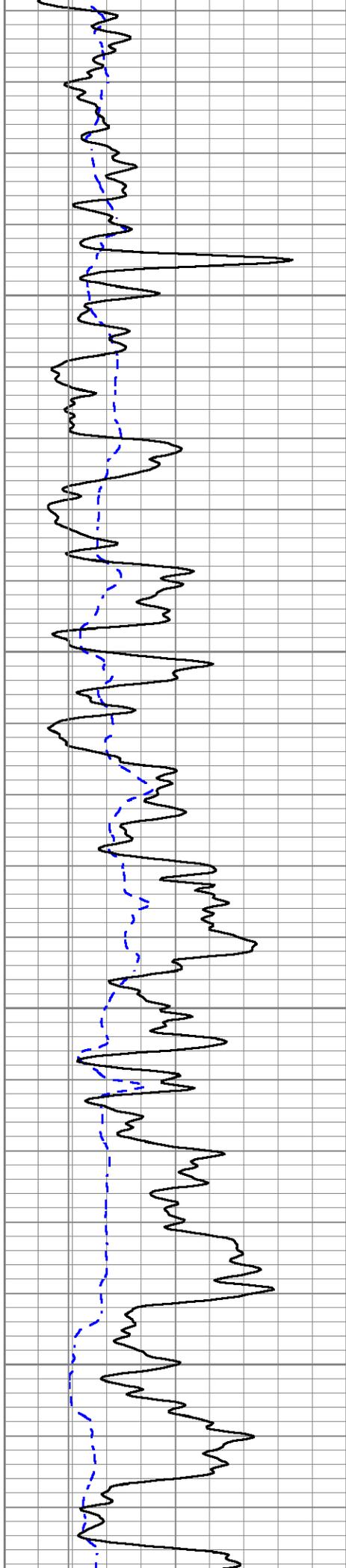
5" LITHO DENSITY LOG

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 Dataset Creation Sat Dec 09 21:50:00 2023
 Charted by Depth in Feet scaled 1:240

6	Density Caliper (in)	16
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)					



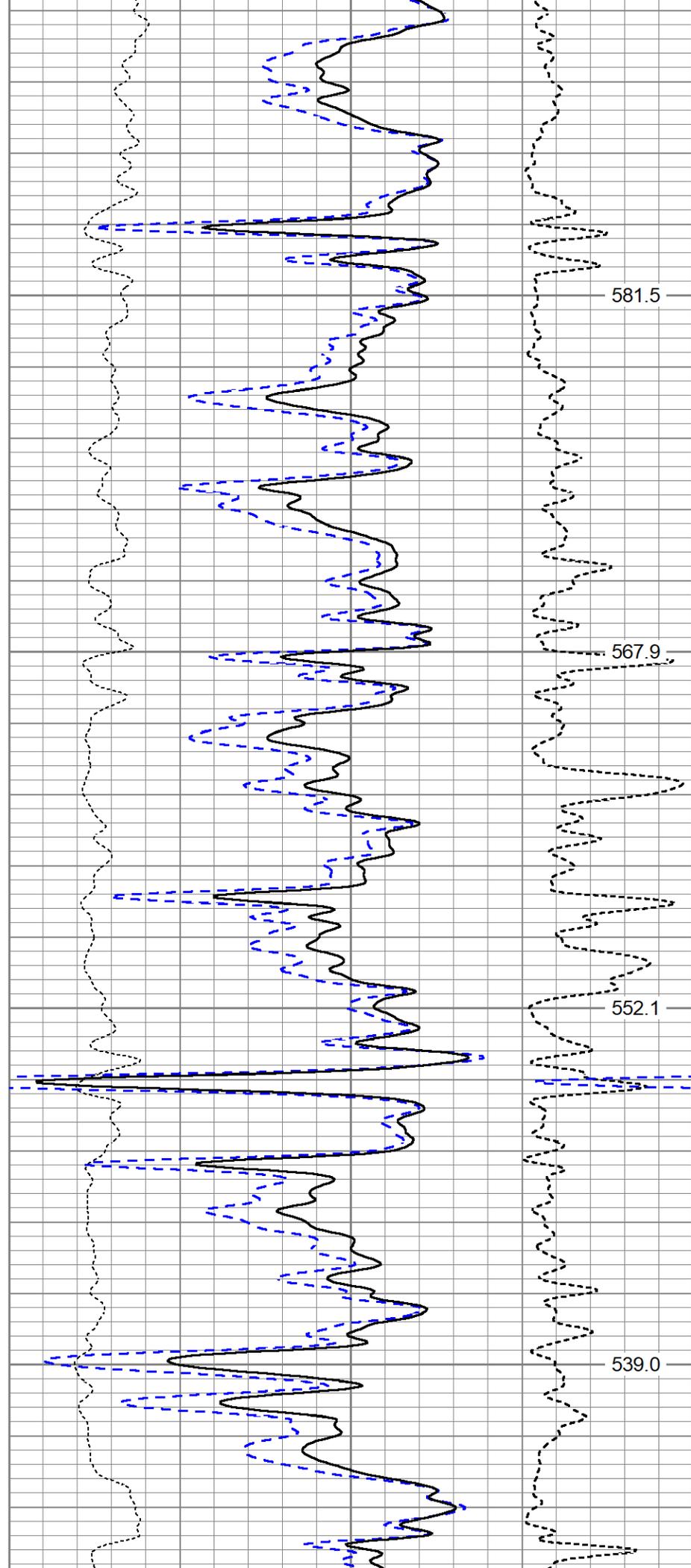


450

500

550

600

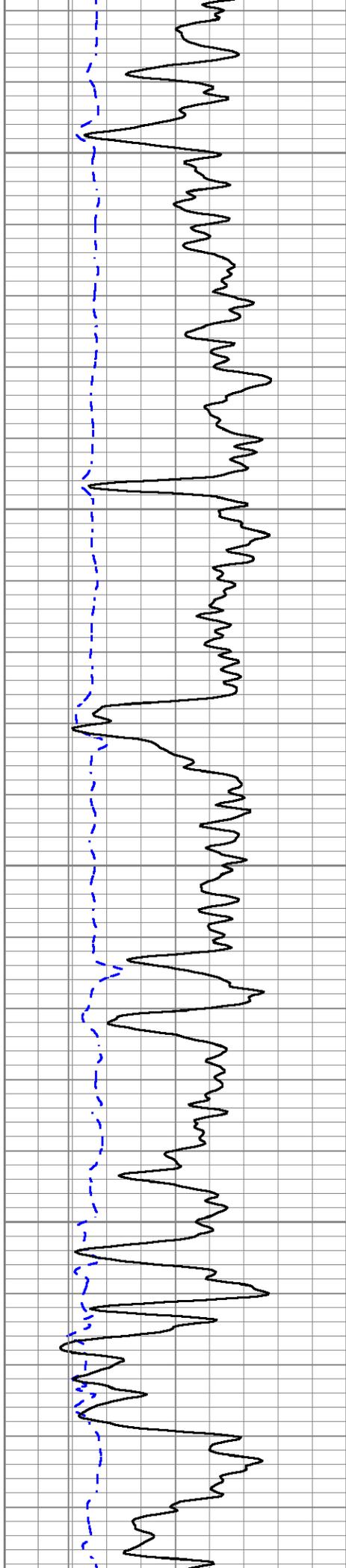


581.5

567.9

552.1

539.0

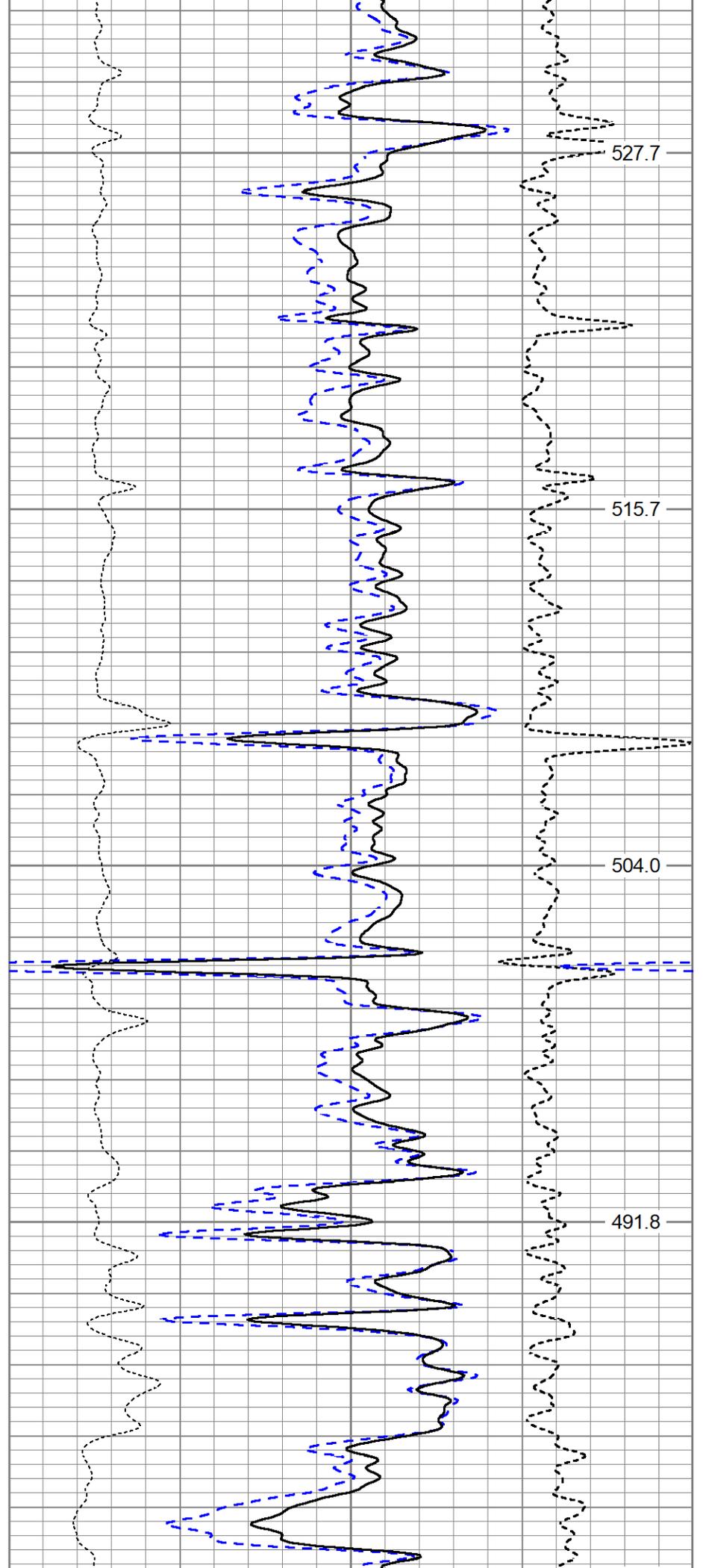


650

700

750

800

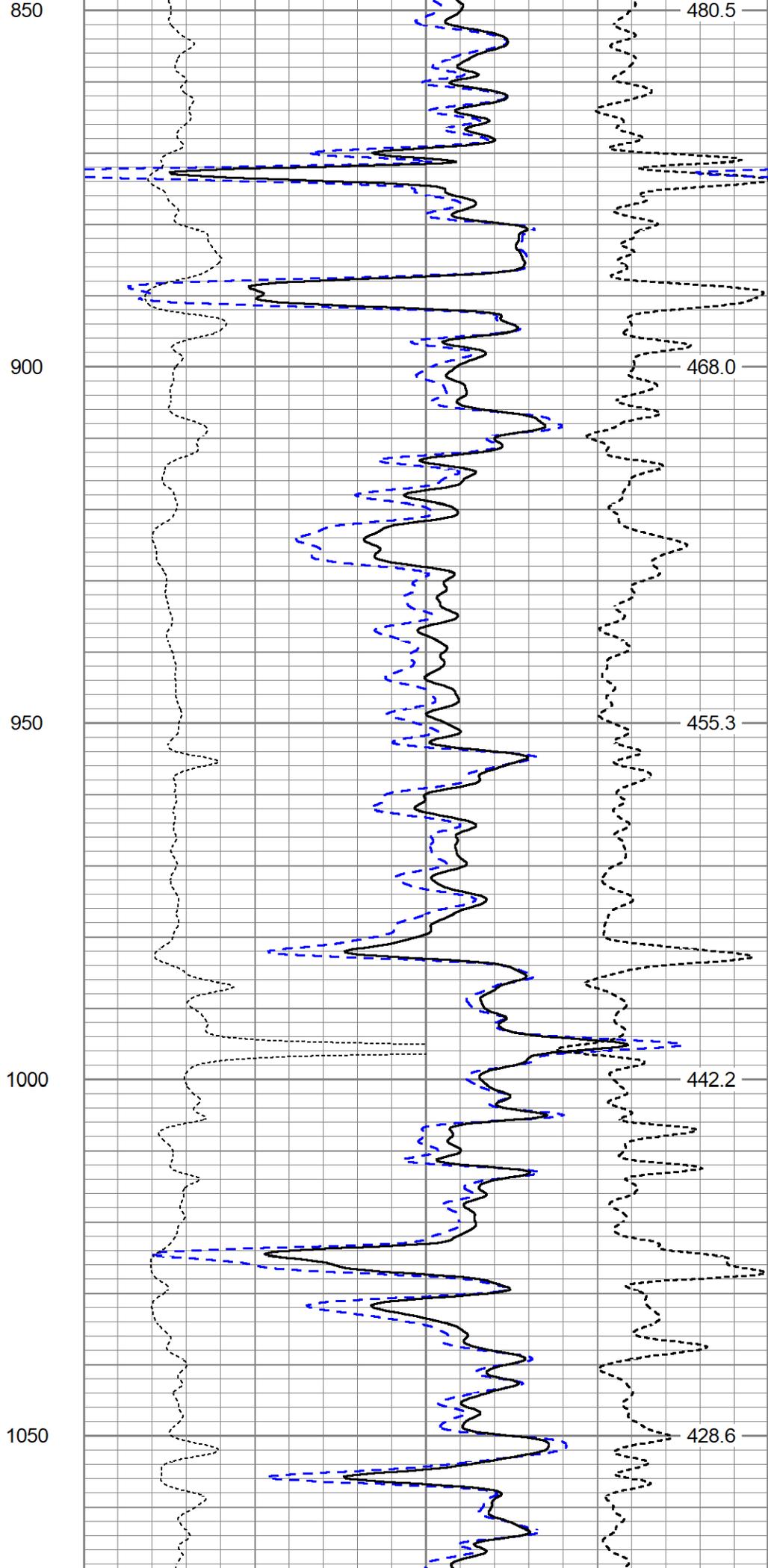
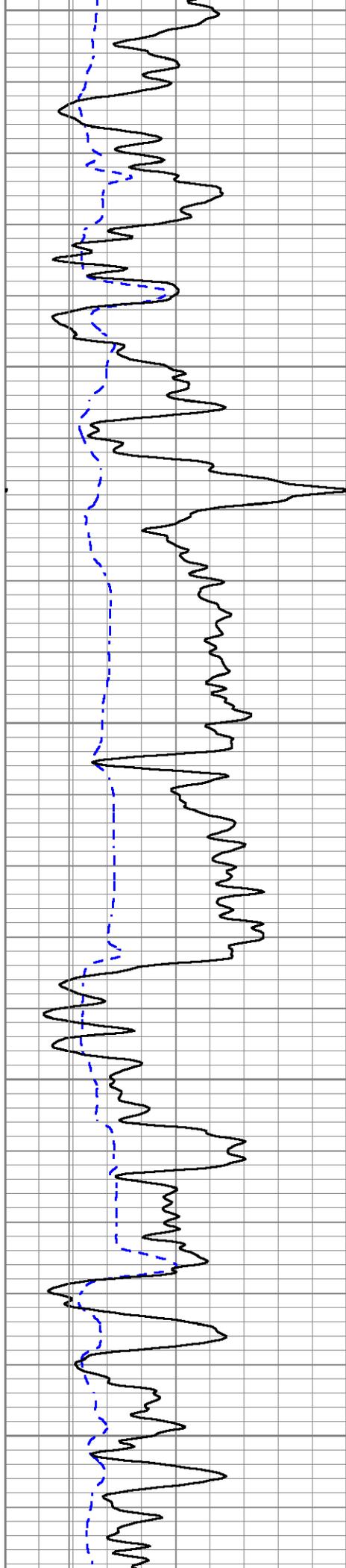


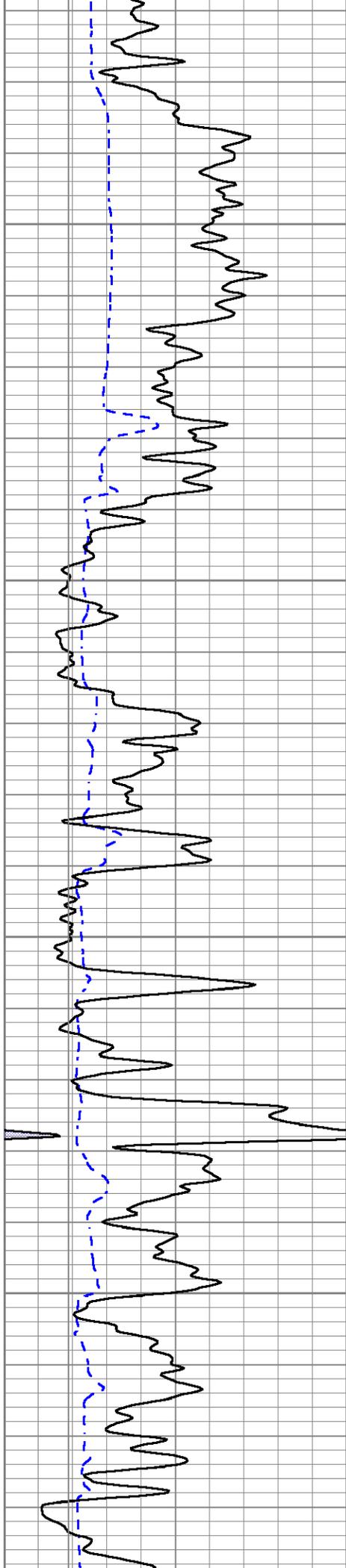
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515.7

504.0

491.8



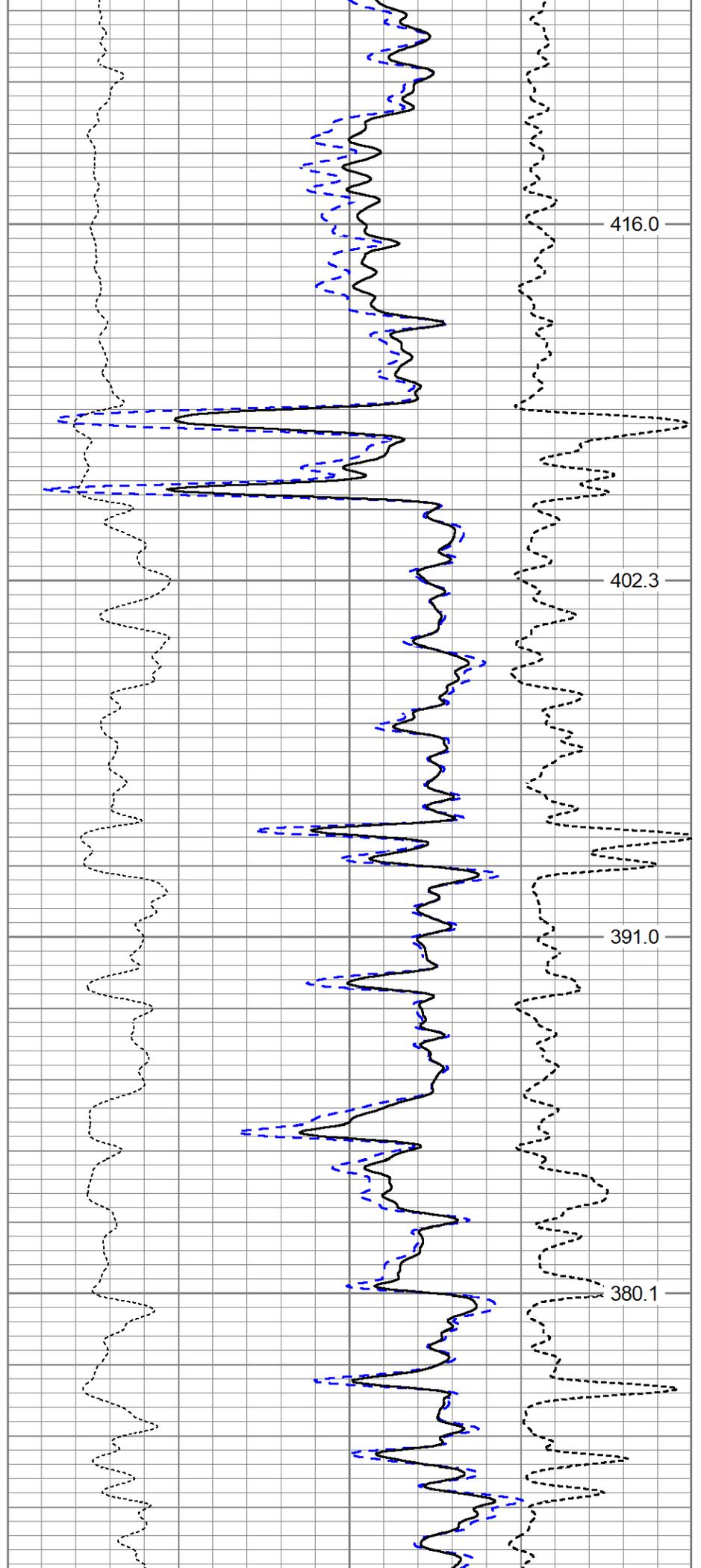


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1150

1200

1250

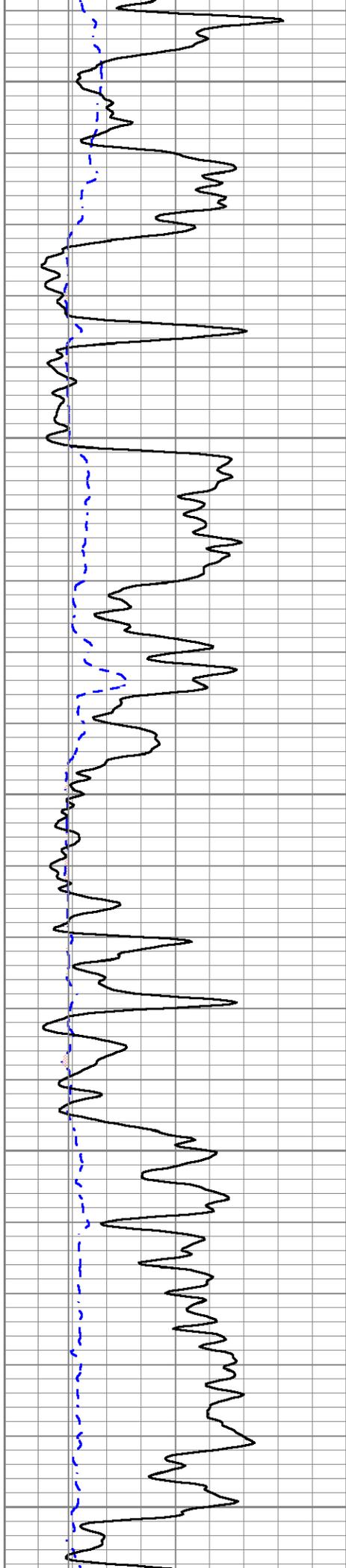


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402.3

391.0

380.1



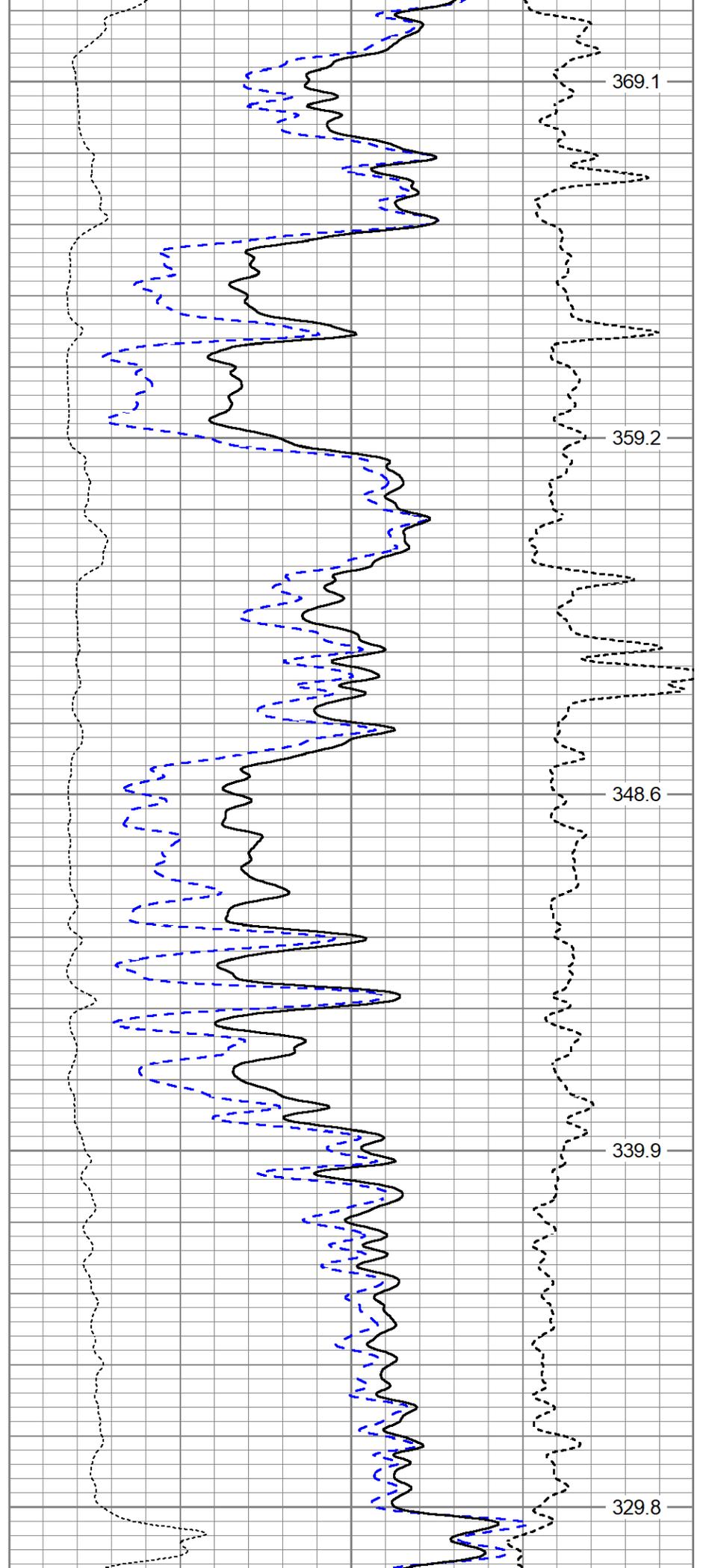
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1350

1400

1450

1500



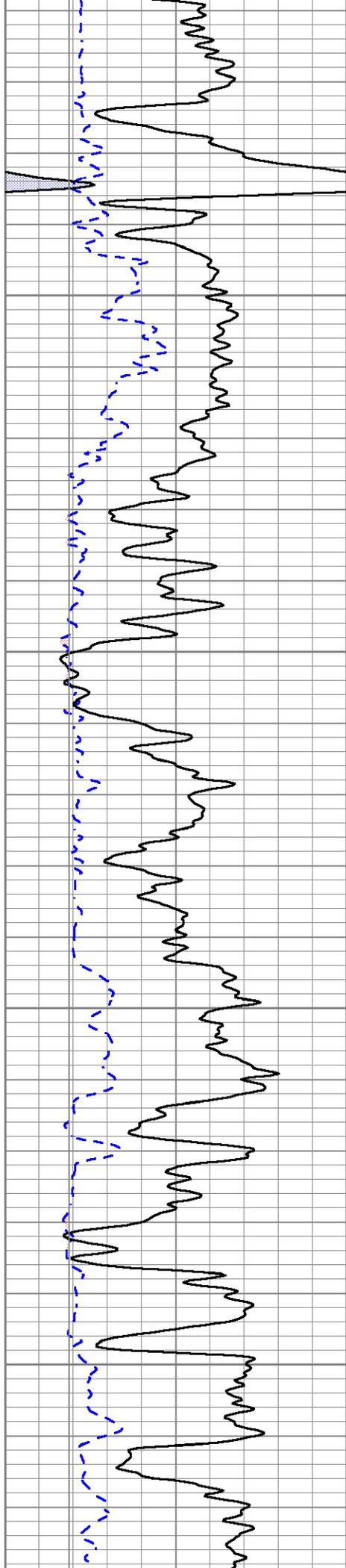
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359.2

348.6

339.9

329.8

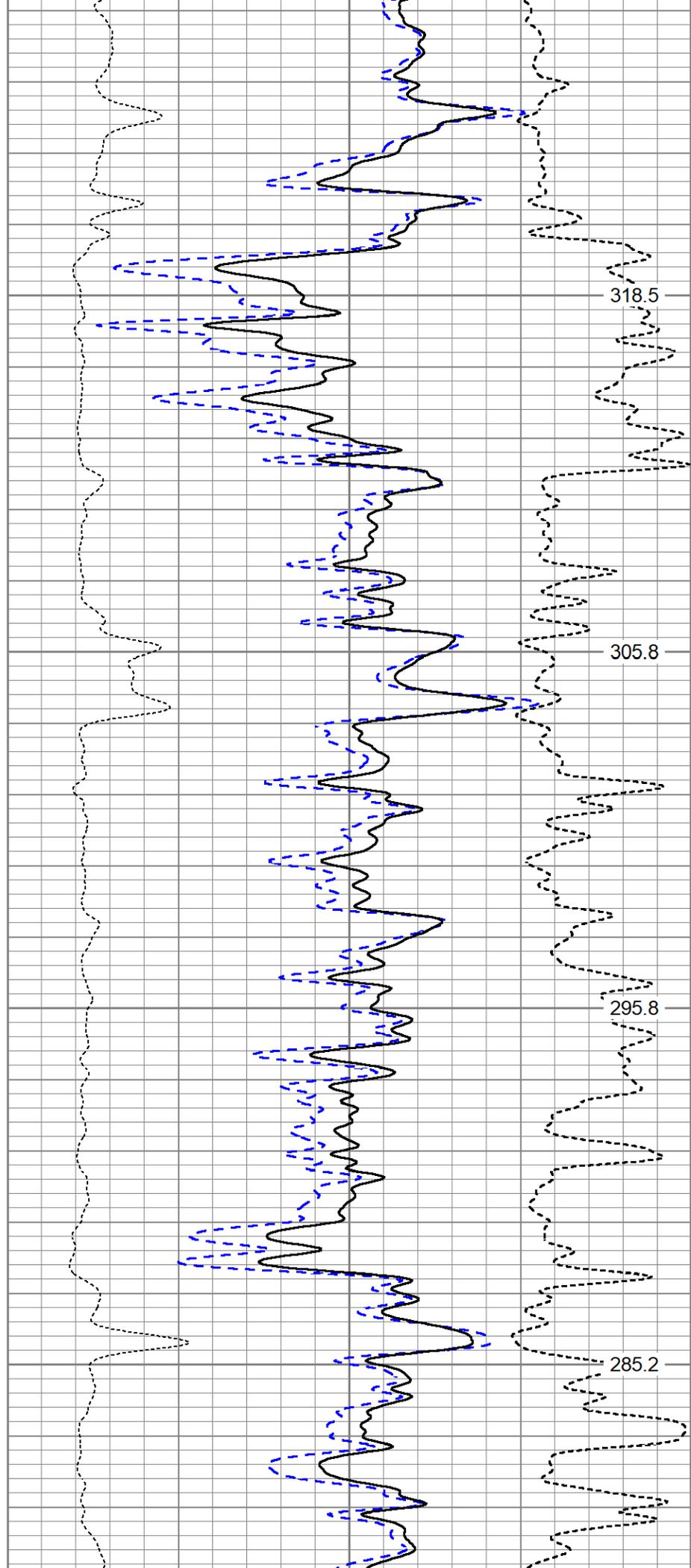


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1700

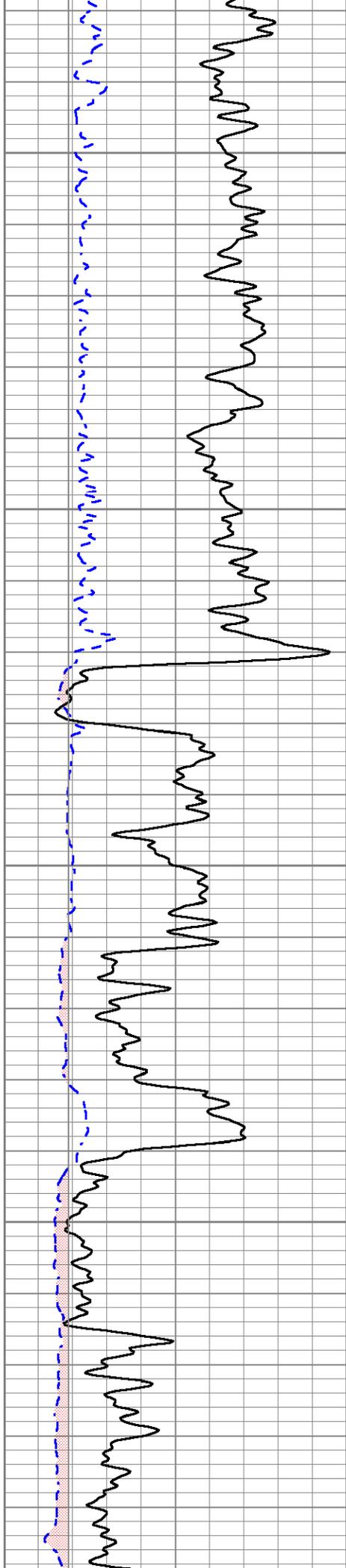


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305.8

295.8

285.2

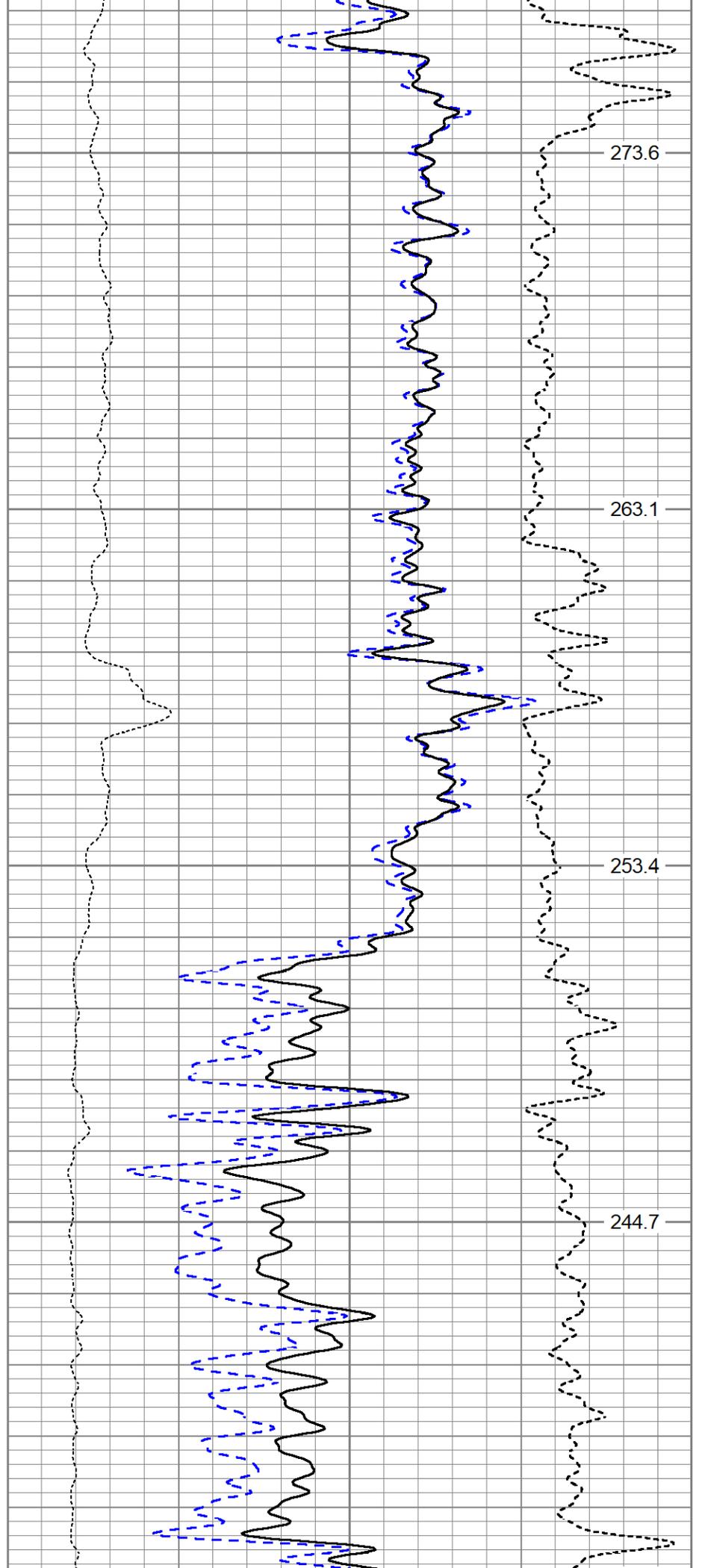


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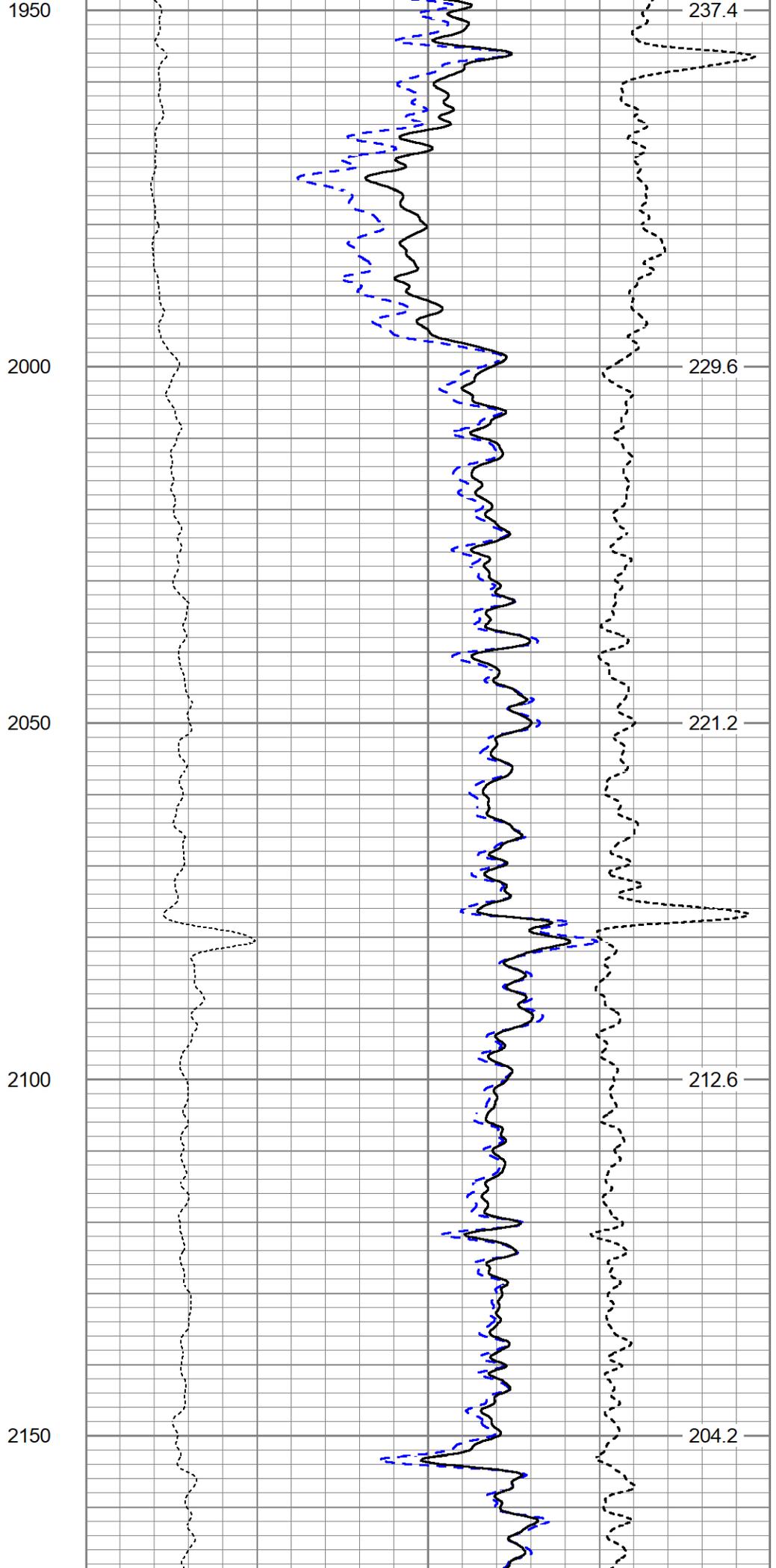
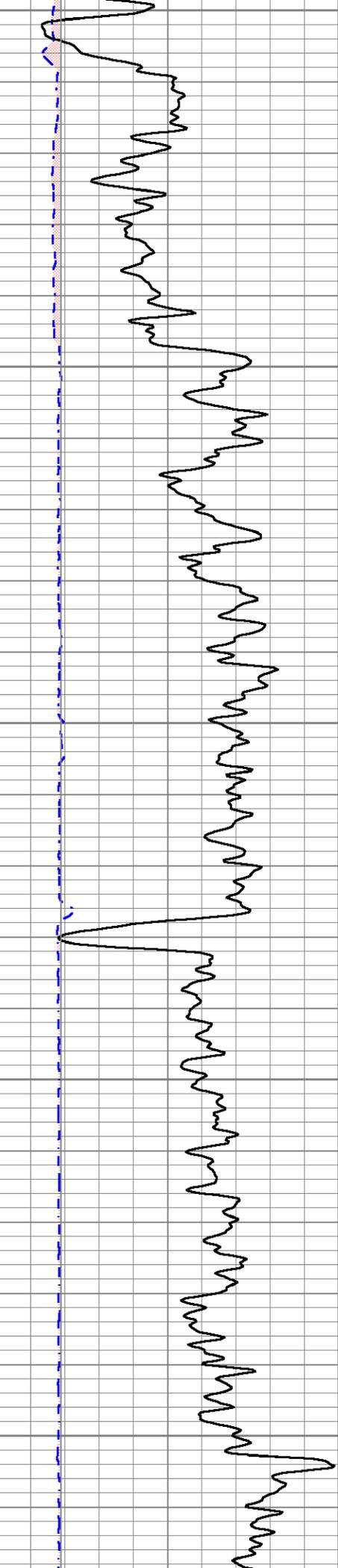


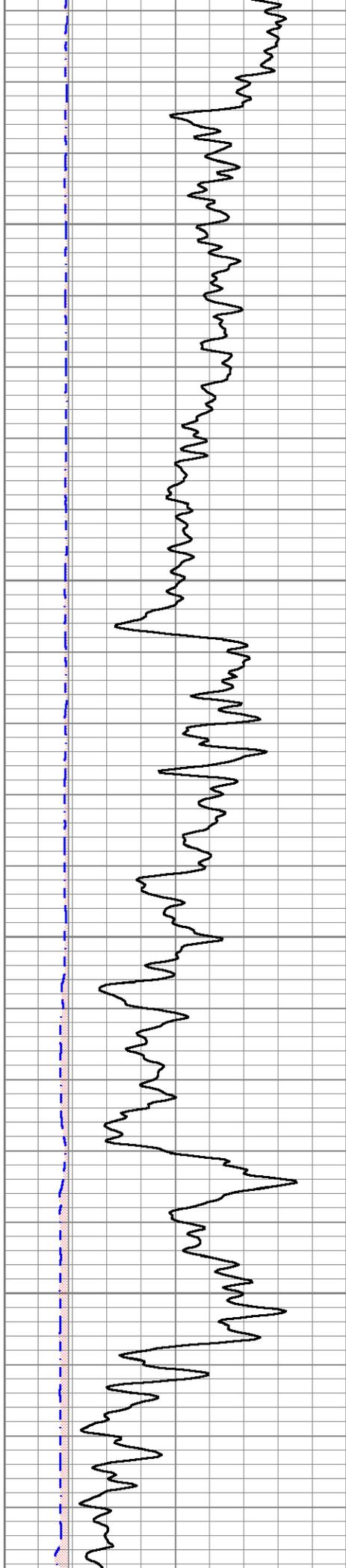
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253.4

244.7



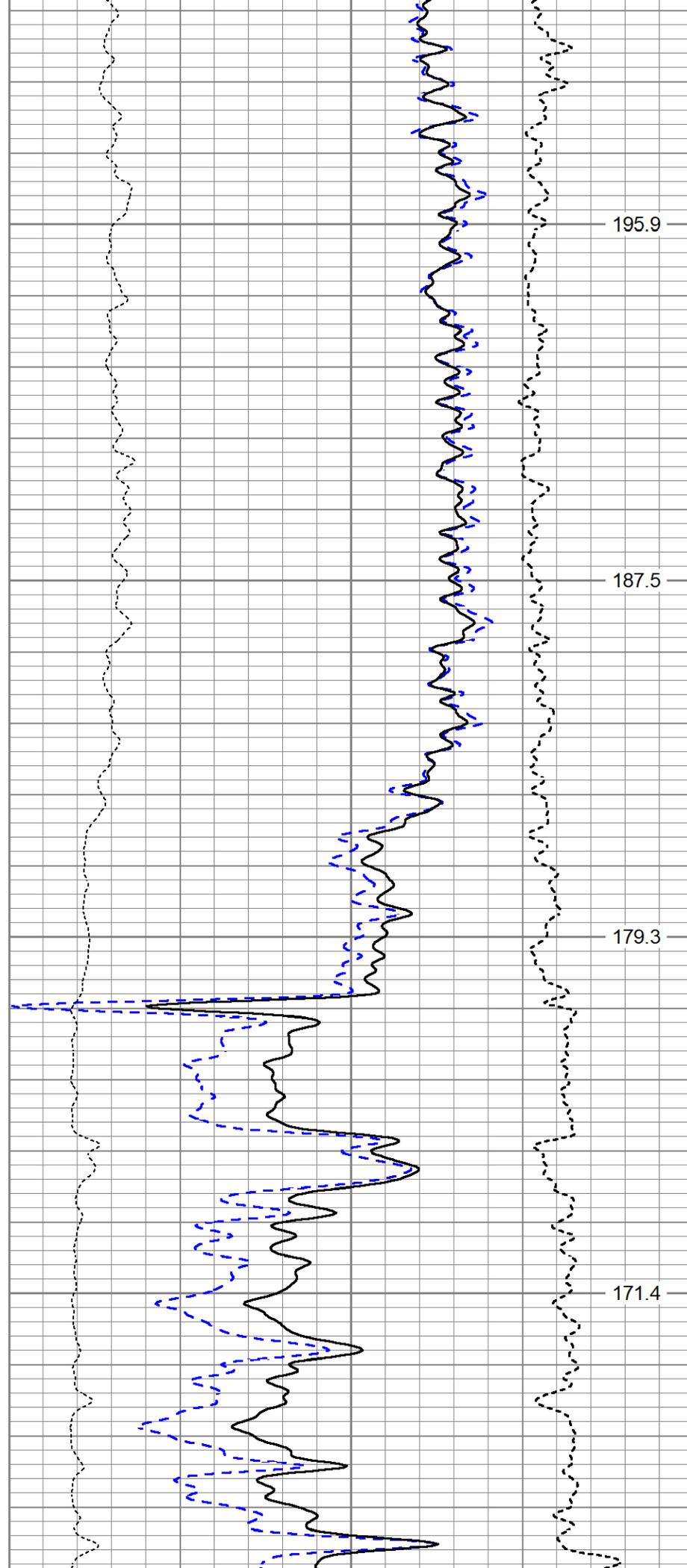


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2300

2350

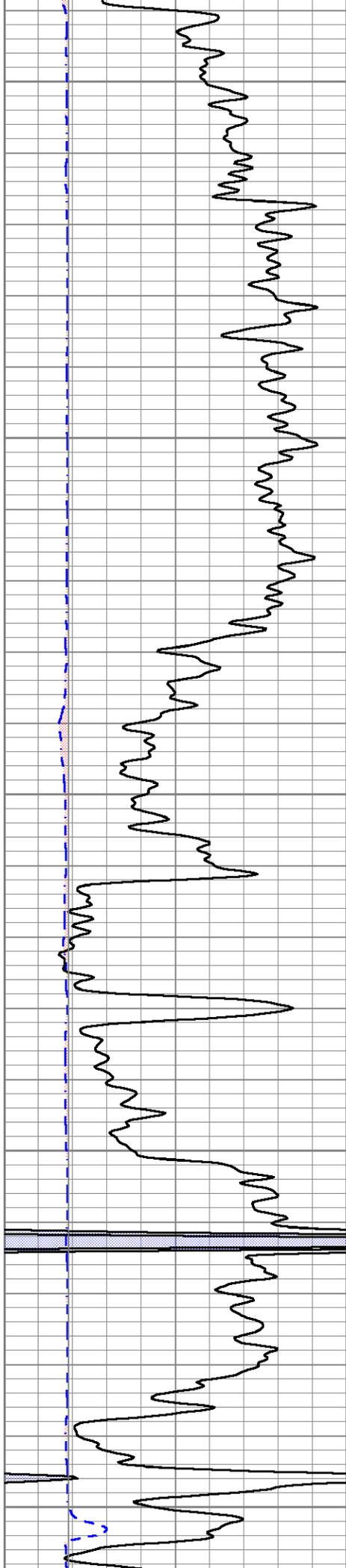


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187.5

179.3

171.4



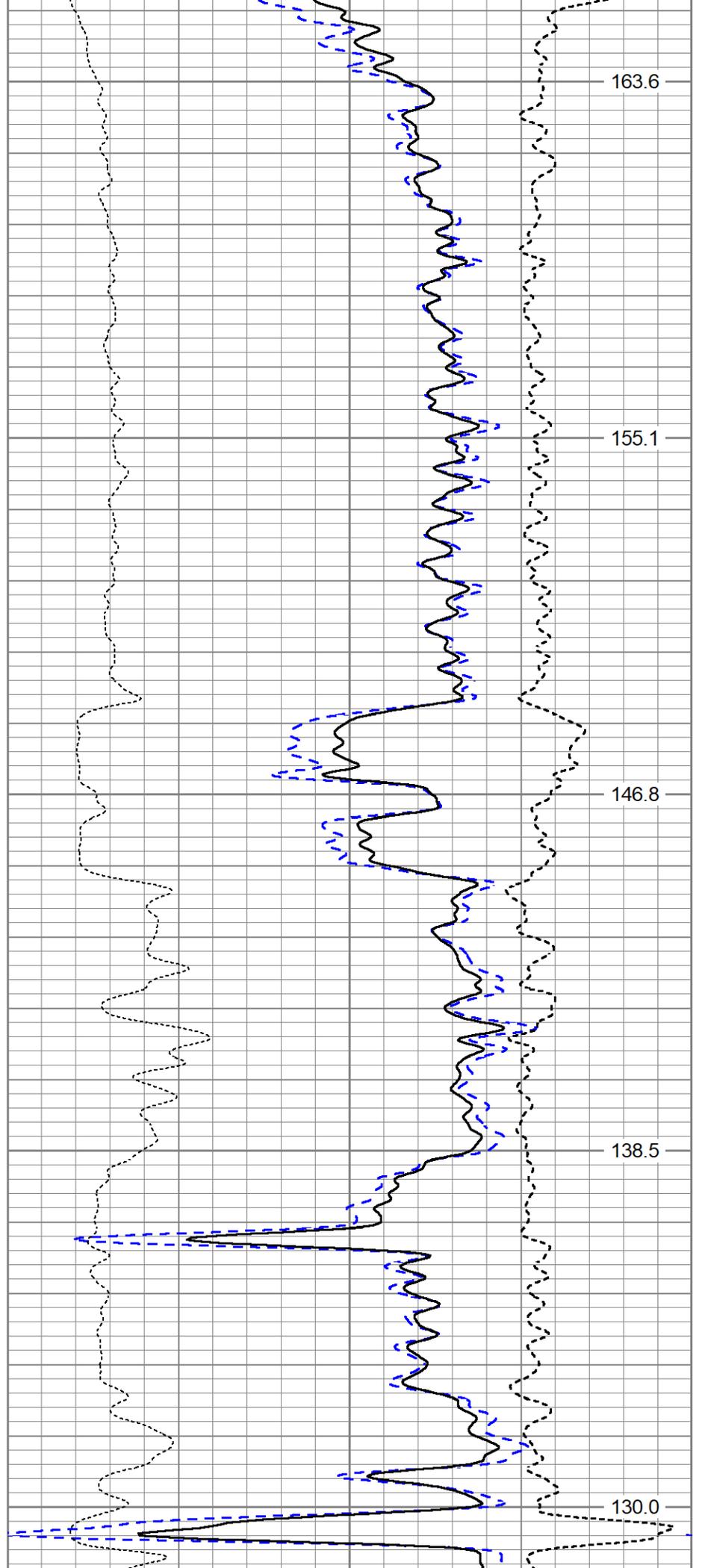
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2550

2600



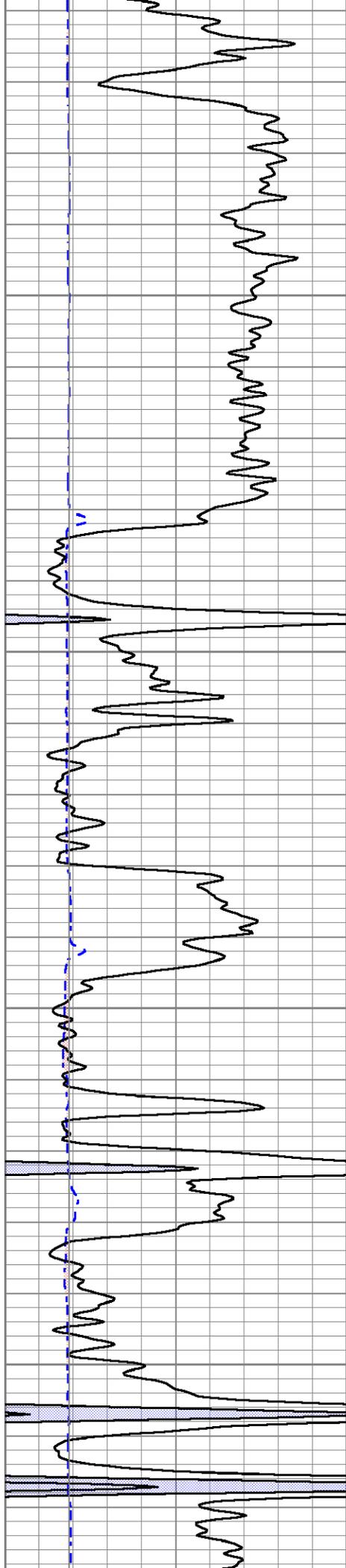
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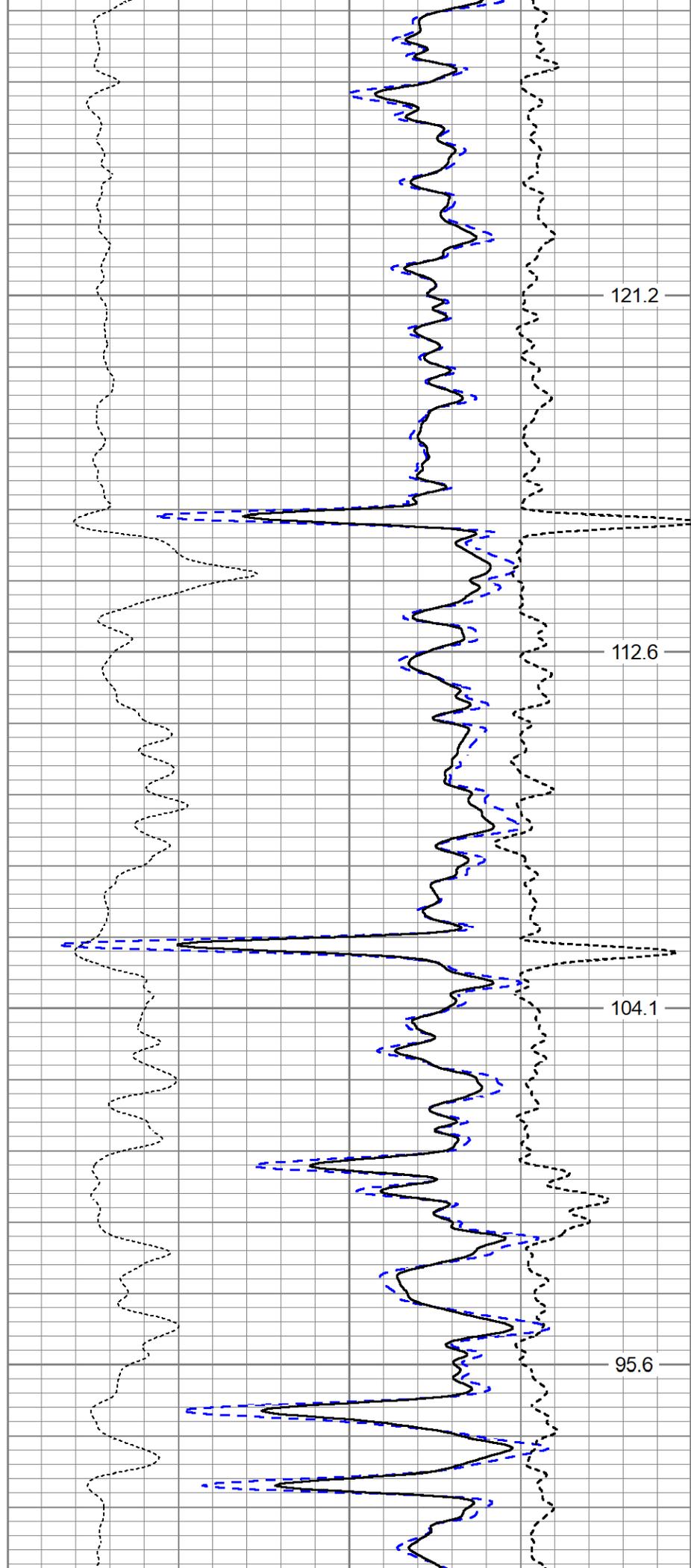


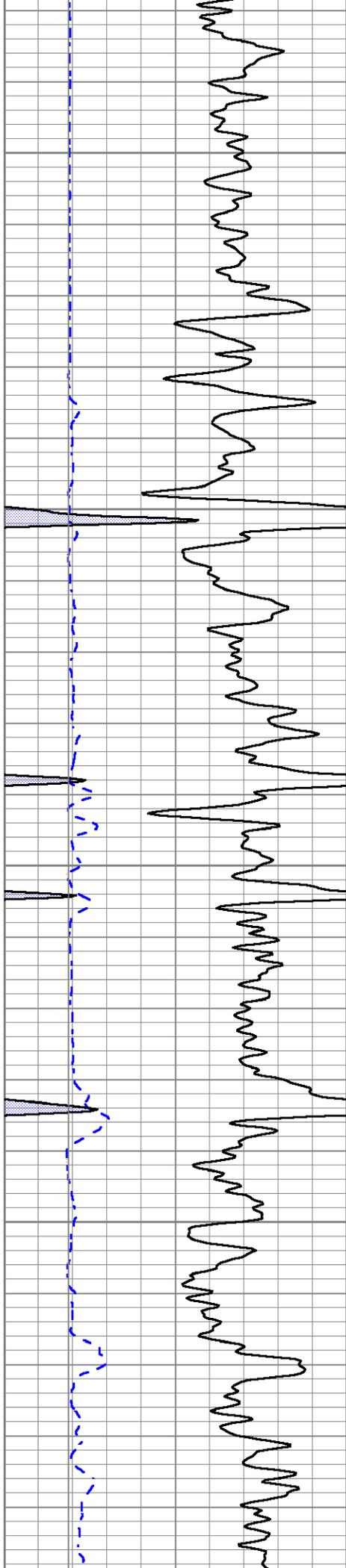
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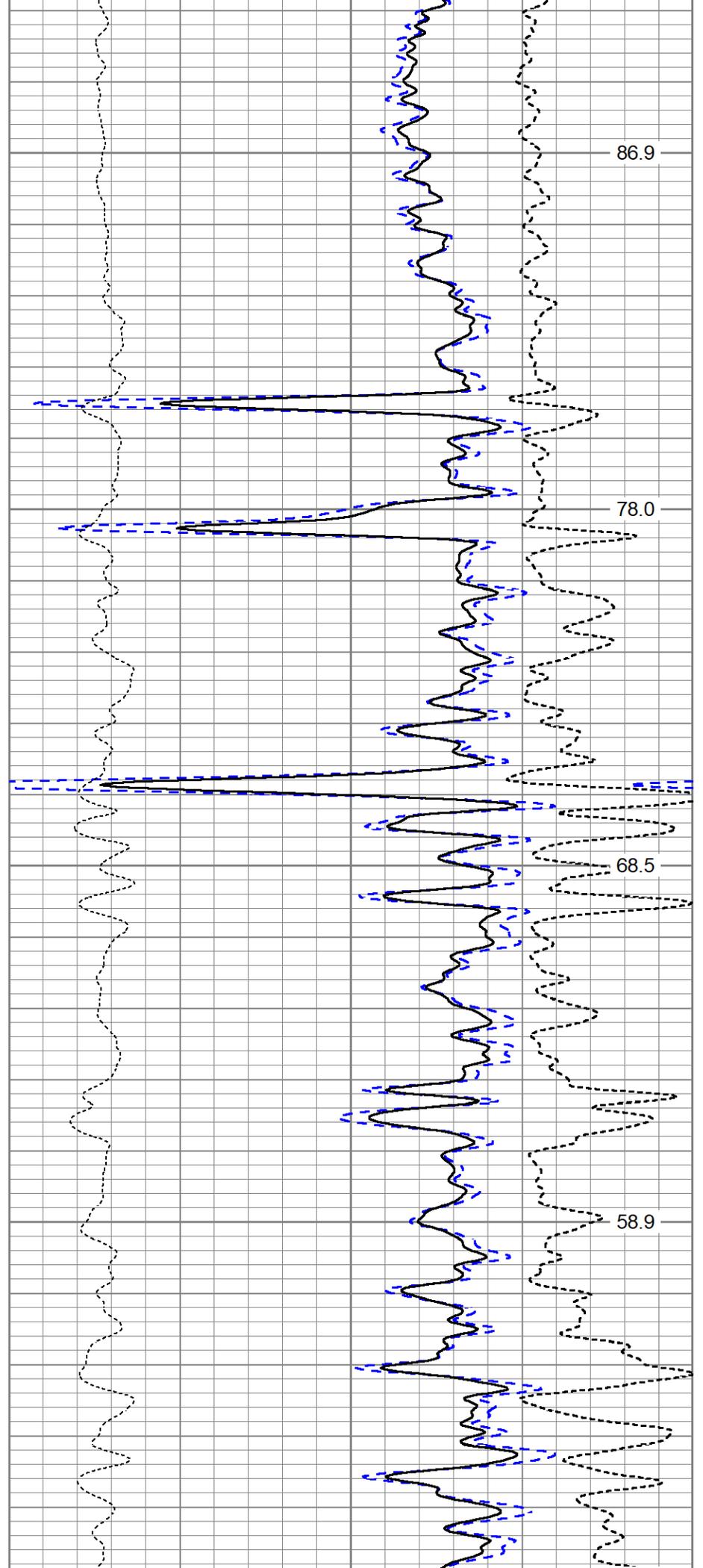


2850

2900

2950

3000

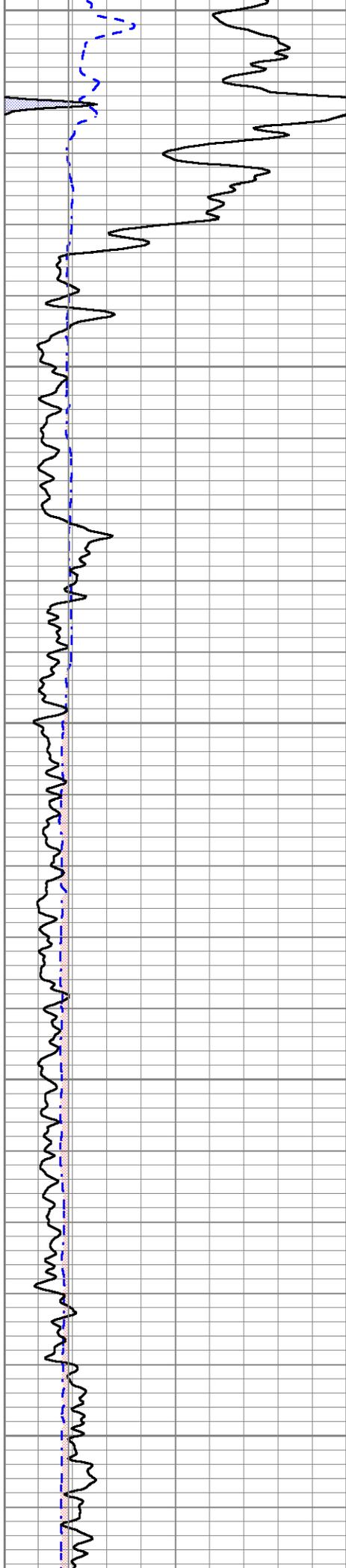


86.9

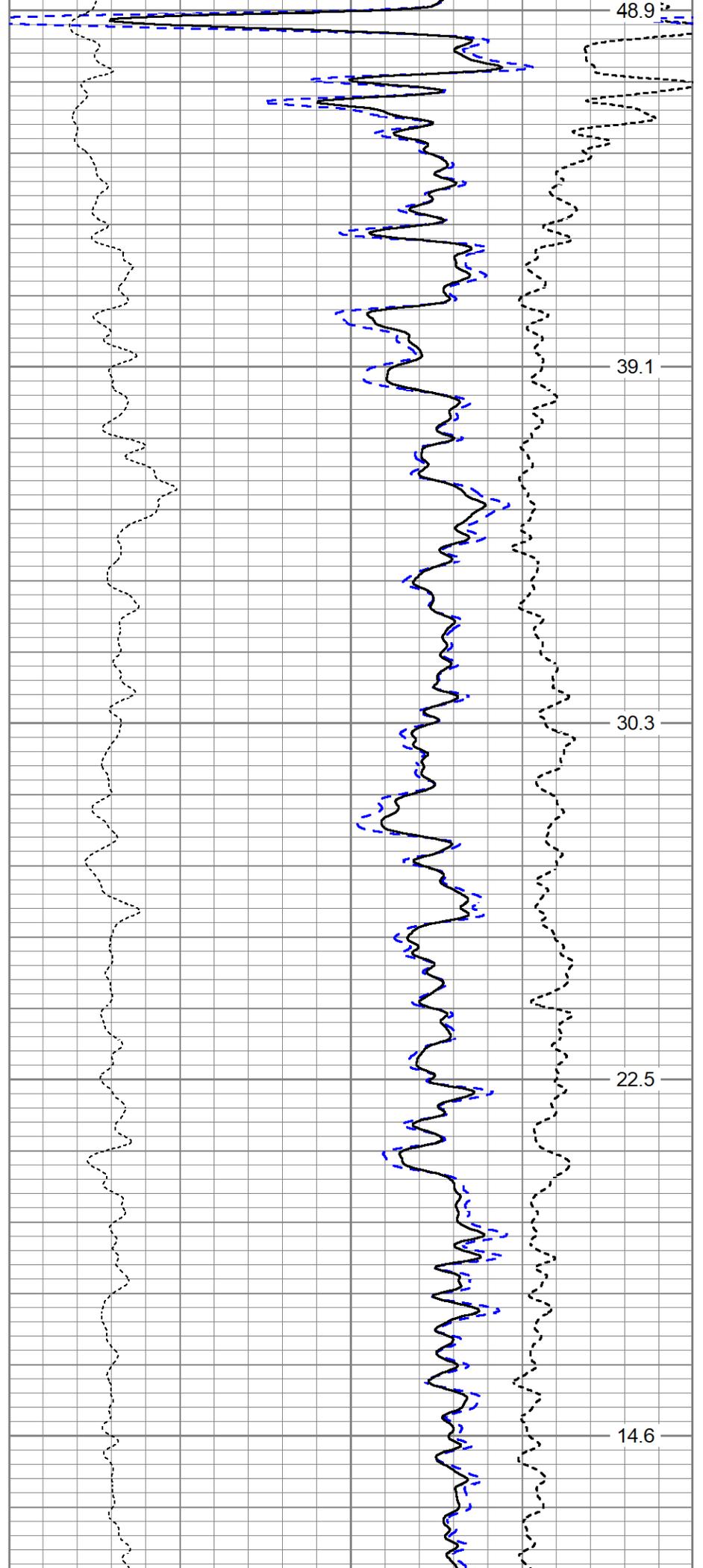
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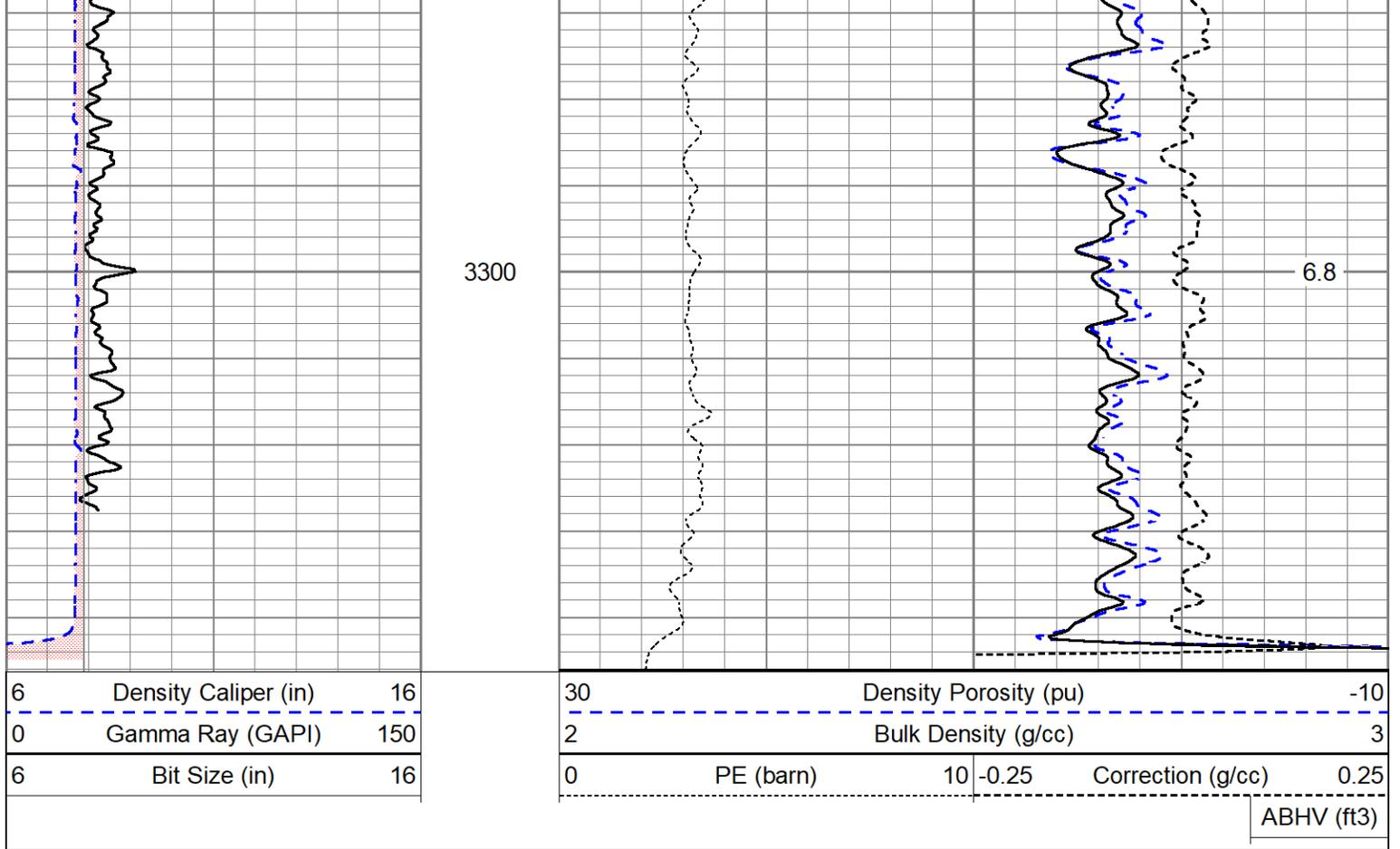
68.5

58.9



3050
3100
3150
3200
3250





Calibration Report

Database File ow2-9243 val energy.db
 Dataset Pathname pass3.18
 Dataset Creation Sat Dec 09 21:50:09 2023

Admyr Lithodensity Calibration Report

Serial-Model: 1D_GH-B
 Source: OW2 D-19
 Master Calibration Performed: Tue Nov 28 07:50:36 2023

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	6813.26	5488.37	cps
Aluminium	2.600	g/cc	2033.95	4056.28	cps
Aluminium+Sleeve	2.576	g/cc	2066.61	4024.95	cps

Spine Angle = 75.96

Density/Spine Ratio = 0.714

	PE		NLITH	NHARD	
Magnesium	1.970	barn	4507.91	5570.63	cps
Aluminium	2.530	barn	1338.11	1823.42	cps
Aluminium+Sleeve	3.832	barn	1136.15	1857.34	cps

M = 1.234

B = -0.499

R = 0.996

	Size		Reading	
Small Ring	6.45	in	4.45	V
Large Ring	11.25	in	6.36	V

Neutron Calibration Report

Serial Number: (YELLOW 0600 011 NEUTRON DOOR)
 Tool Model: ADDON
 Performed: Wed Dec 6 18:14:41 2023

Calibrator Values: 0 27
 Calibrator Readings: 6100 4000 cps

Sensitivity: -0.0128571 /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

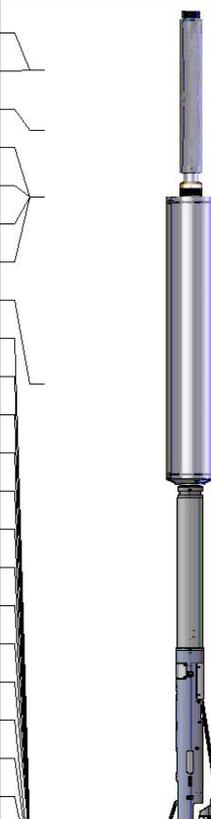
Background Reading: 610.0 cps
 Calibrator Reading: 930.0 cps

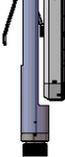
Sensitivity: 0.4688 GAPI/cps

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					
PSTAT	15.33					
ASTAT	15.33					
NEU	11.66		NEU-ADDON ((YELLOW 0600 011 NEUTRON DOOR)) Inline Neutron	5.65	3.38	84.00
DCAL	2.79					
LS_HV	2.63					
LS8	2.63					
LS7	2.63					
LS6	2.63					
LS5	2.63					
NHARD	2.63					
LSD	2.63					
LS2	2.63					
NLITH	2.63		ADT1LITH-B (1D_GH)	9.69	4.25	238.00
LSTAT	2.17					
LSV	2.17					
SS_HV	2.08					

SS8	2.08				
SS7	2.08				
SS6	2.08				
SS5	2.08				
SS4	2.08				
SSD	2.08				
SS2	2.08	Dataset: ow2-9243 val energy.db: field/well/run1/pass3.18 Total length: 19.02 ft Total weight: 375.00 lb O.D.: 4.25 in			
SS1	2.08				
SSV	1.96				
TP Man	0.00				