



LITHO DENSITY NEUTRON LOG

Company VAL ENERGY INC
 Well J.O. # SWD
 Field ALBRIGHT
 County COWLEY State KANSAS

Location: API #: 15-035-24770-00-00
 SW NE NE NW
 347' FNL & 3148' FEL
 SEC 2 TWP 34S RGE 5E
 Permanent Datum GL Elevation 1229
 Log Measured From KB
 Drilling Measured From KB 9
 Other Services
 MICRO
 DIL
 Elevation
 K.B. 1238
 D.F. 1237
 G.L. 1229

Date	11-23-2022
Run Number	ONE
Depth Driller	3592
Depth Logger	3592
Bottom Logged Interval	3590
Top Log Interval	SURFACE
Casing Driller	8.625" @ 205'
Casing Logger	8.625" @ 205'
Bit Size	7.875"
Type Fluid in Hole	MUD
Density / Viscosity	9.2 / 45
pH / Fluid Loss	10 / 8.8
Source of Sample	PIT
Rm @ Meas. Temp	2.1 @ 70
Rmf @ Meas. Temp	1.68 @ 70
Rmc @ Meas. Temp	2.52 @ 70
Source of Rmf / Rmc	CALCULATED
Rm @ BHT	1.26 @ 112
Time Circulation Stopped	12:30 PM
Time Logger on Bottom	4:30 PM
Maximum Recorded Temperature	112
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 # OW2-9154 VAL ENERGY
 KIDD, HUNTER
 THANK YOU FOR USING OSAGE WIRELINE

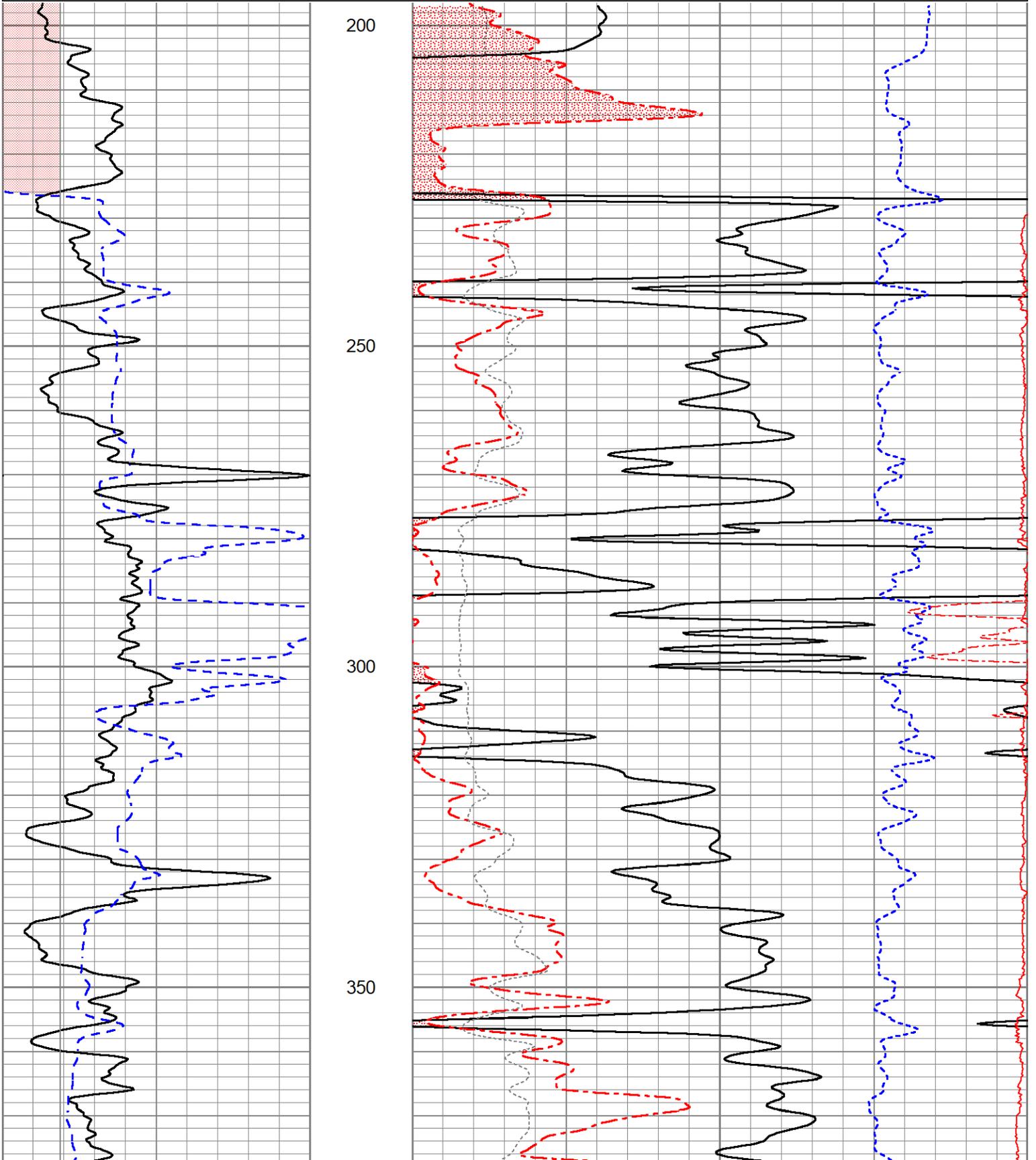


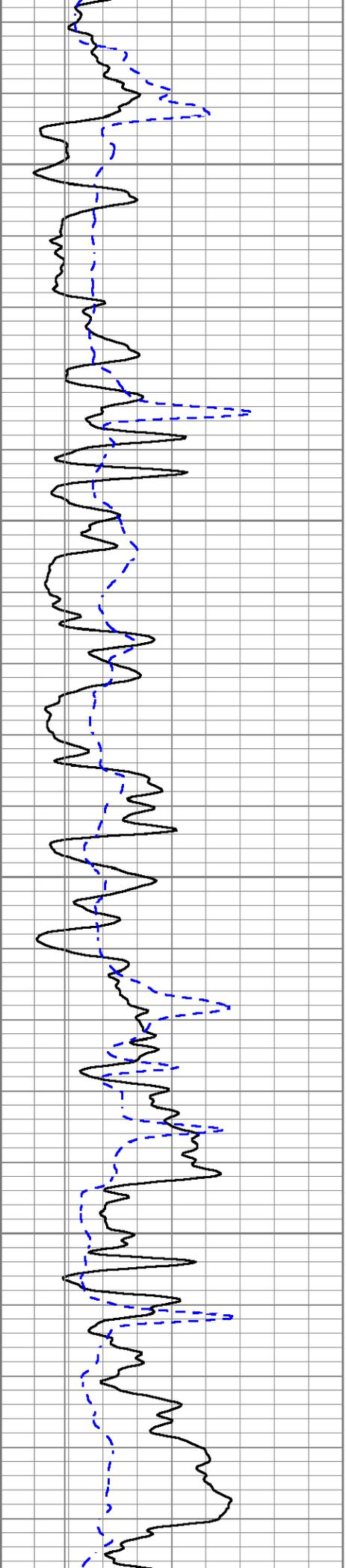
5" DENSITY NEUTRON LOG

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 Presentation Format stcdIn-6-16_5
 Dataset Creation Wed Nov 23 19:45:30 2022
 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	-0.5	Correction (g/cc)	0.5
3000	Line Tension (lb)	500			



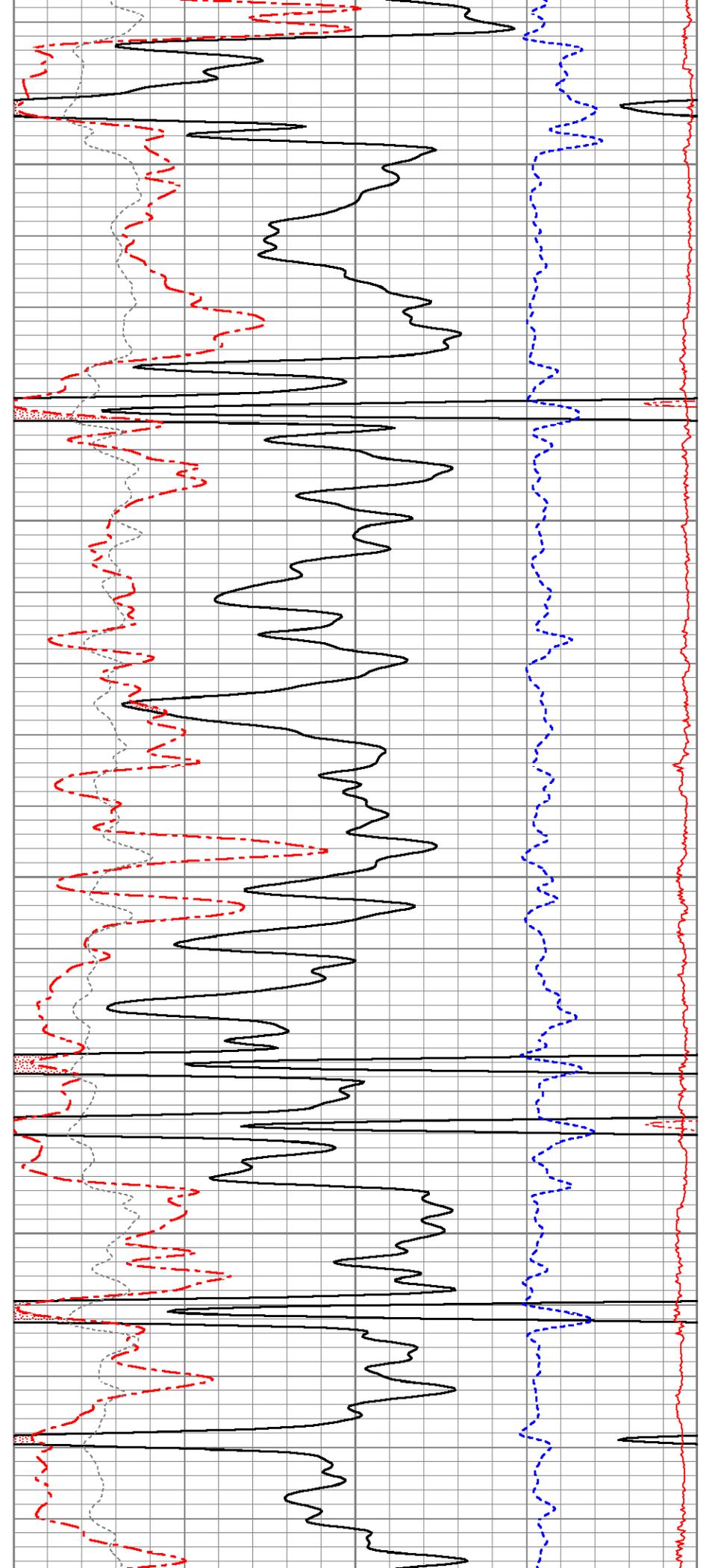


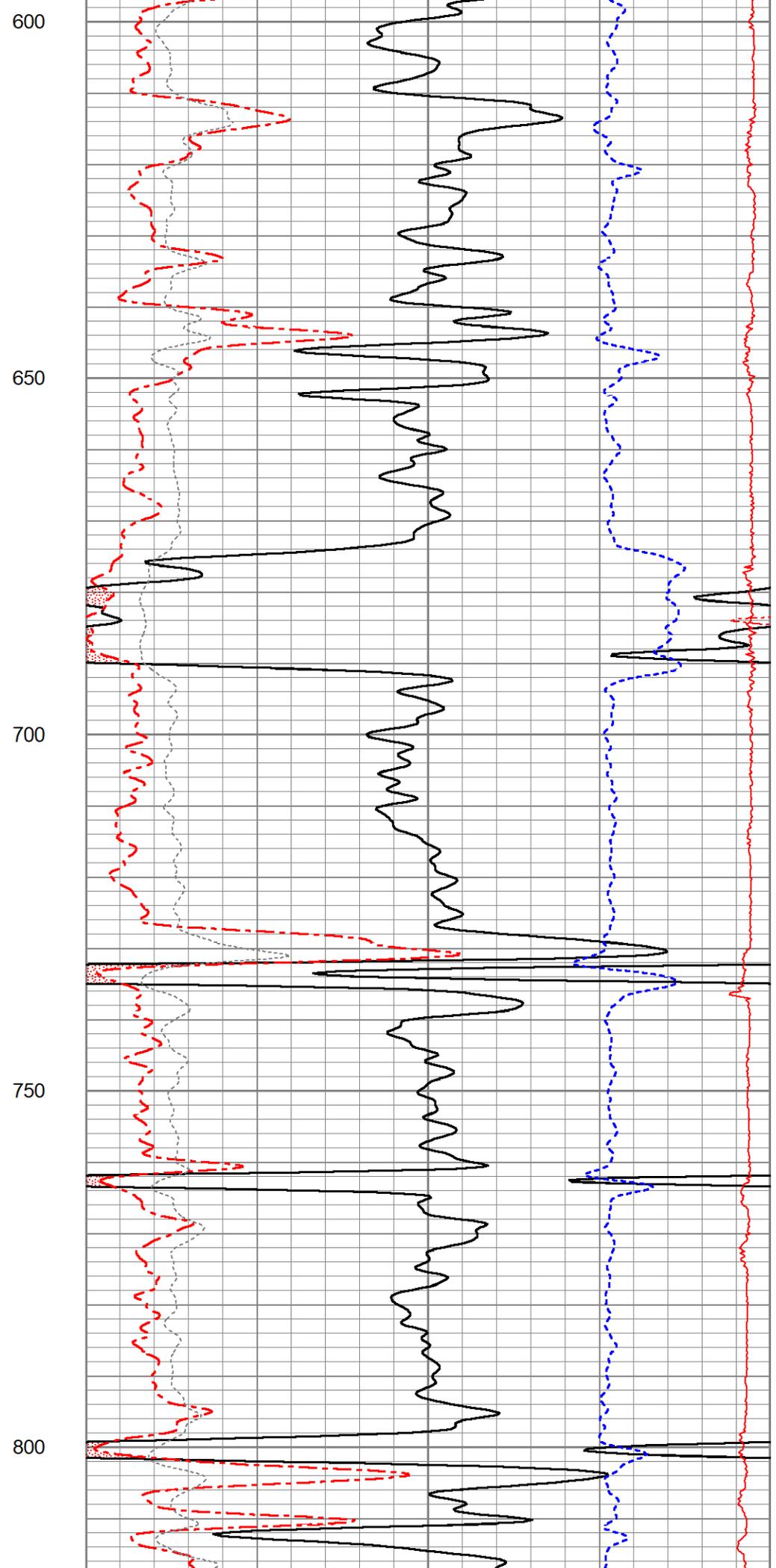
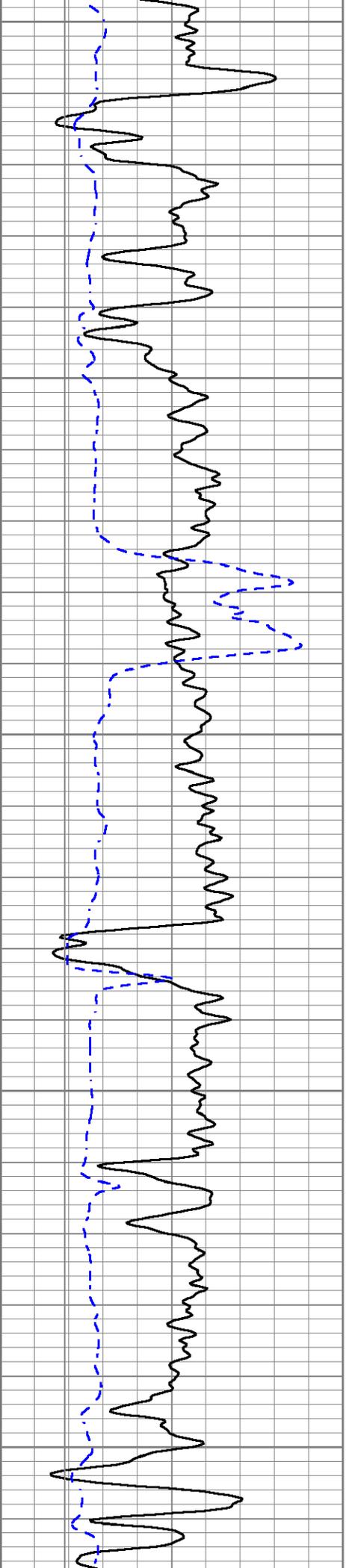
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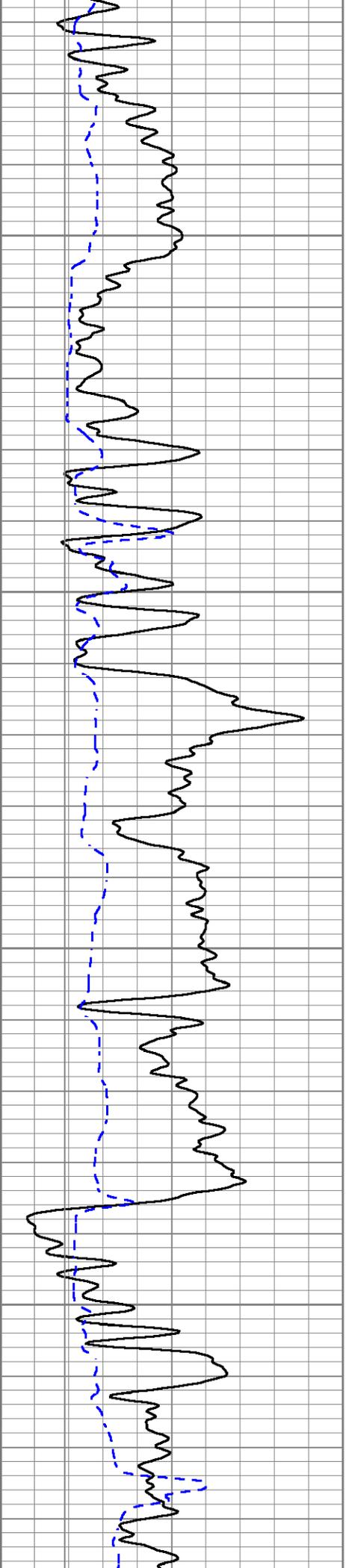
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500

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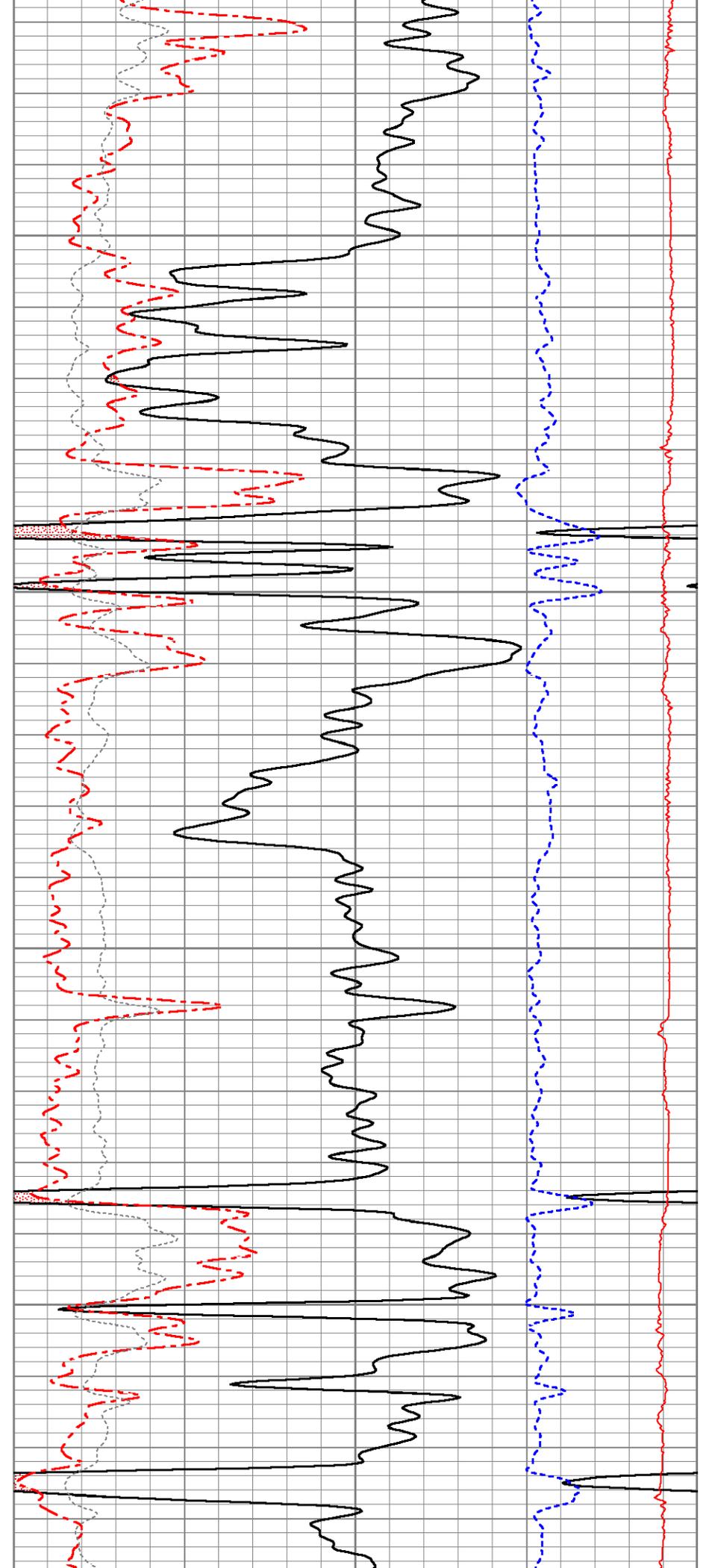


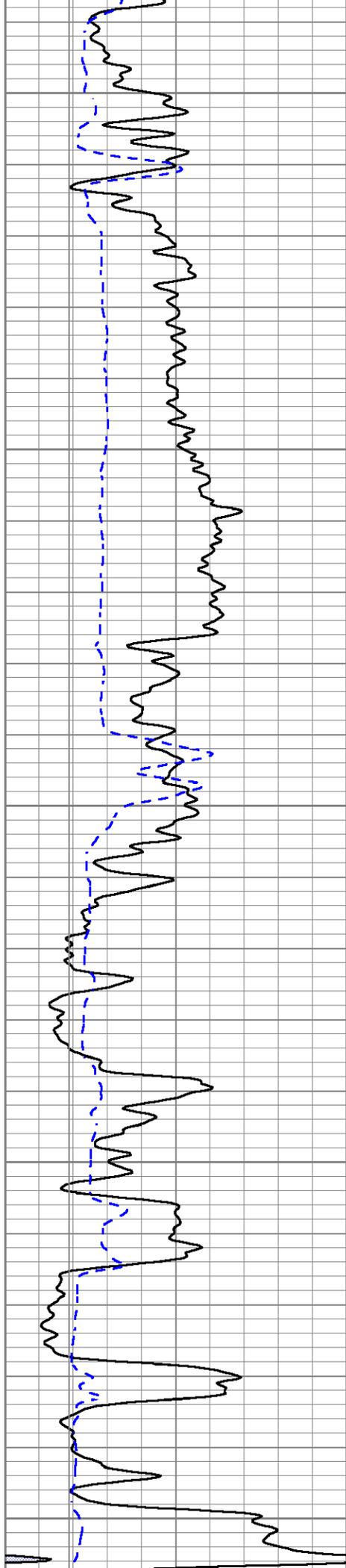
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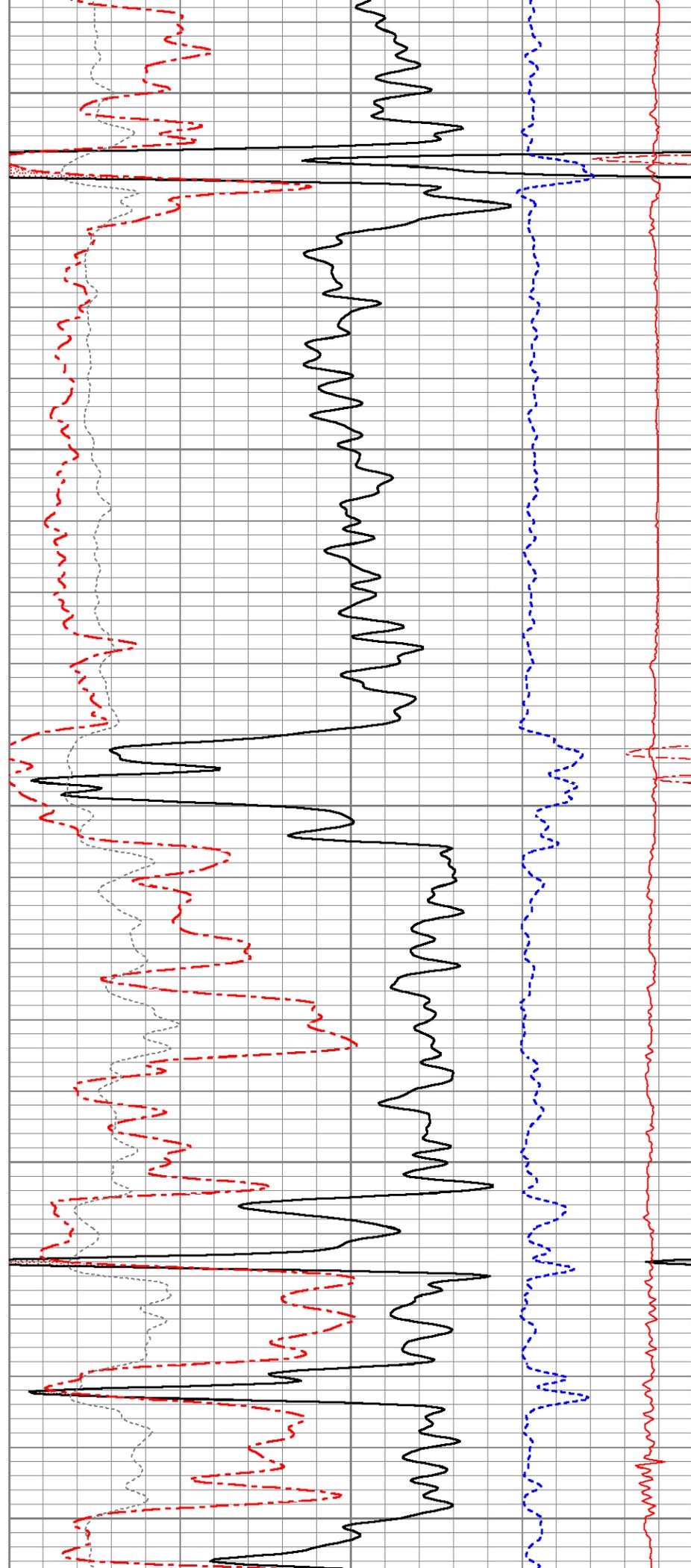
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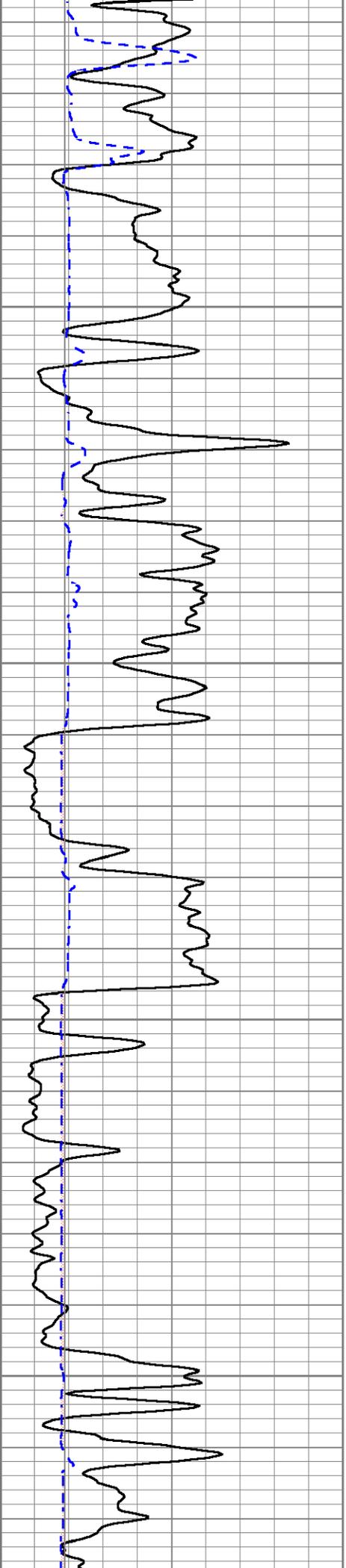
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1150

1200

1250



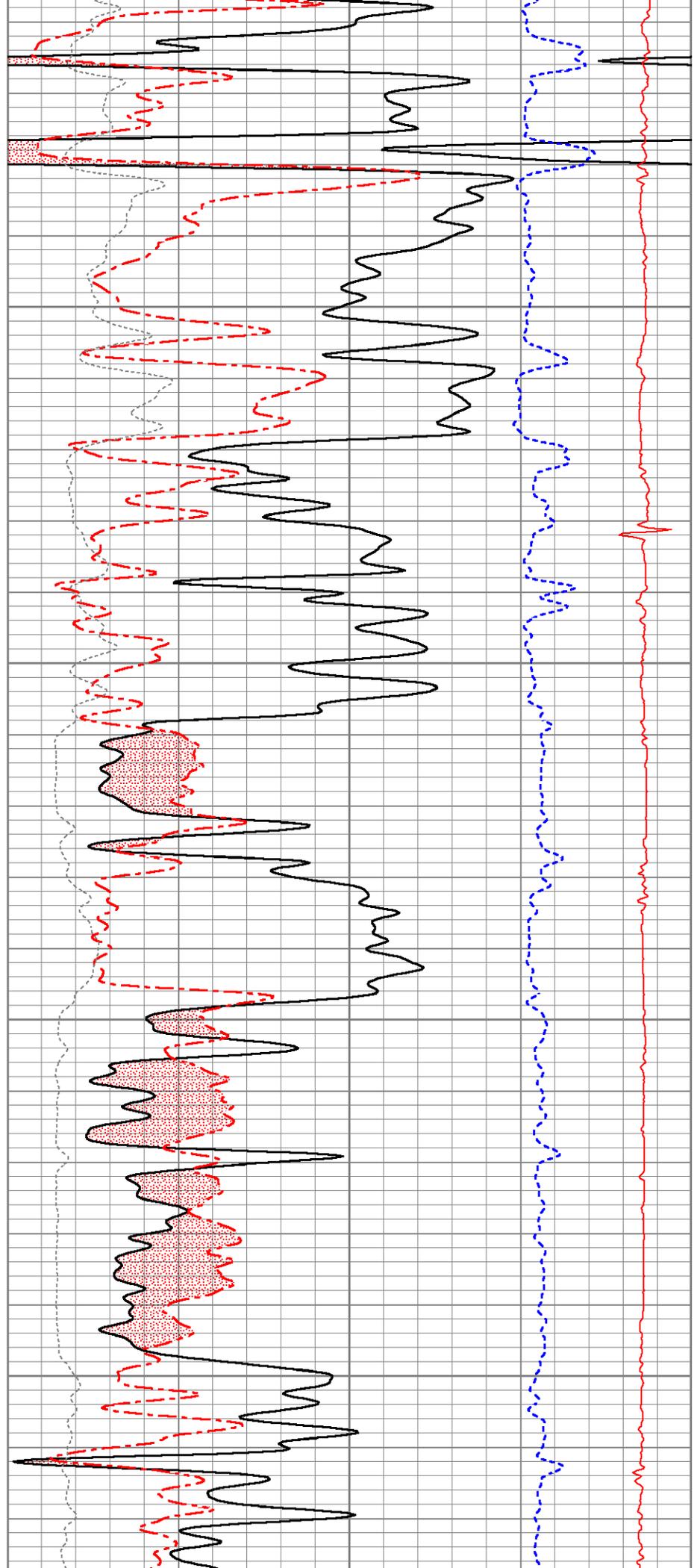


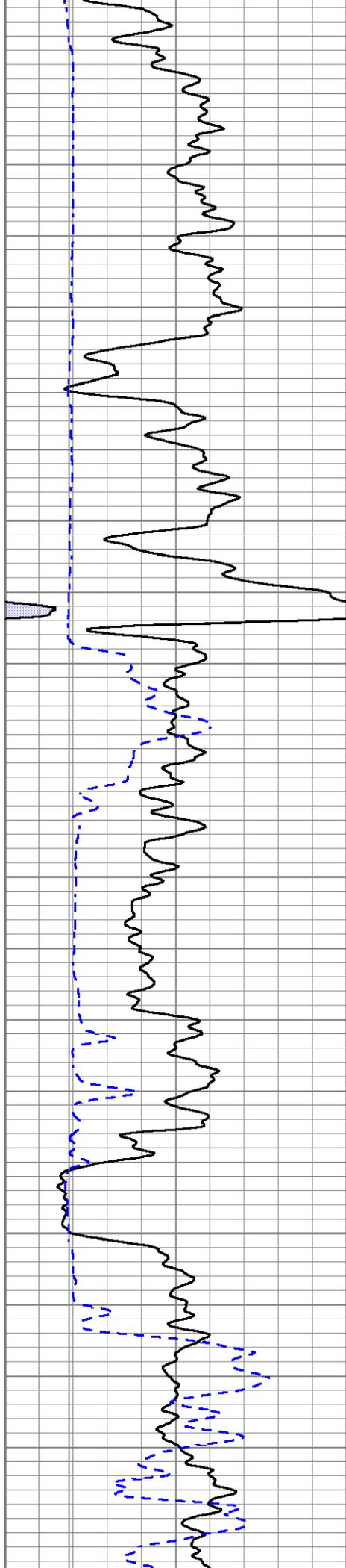
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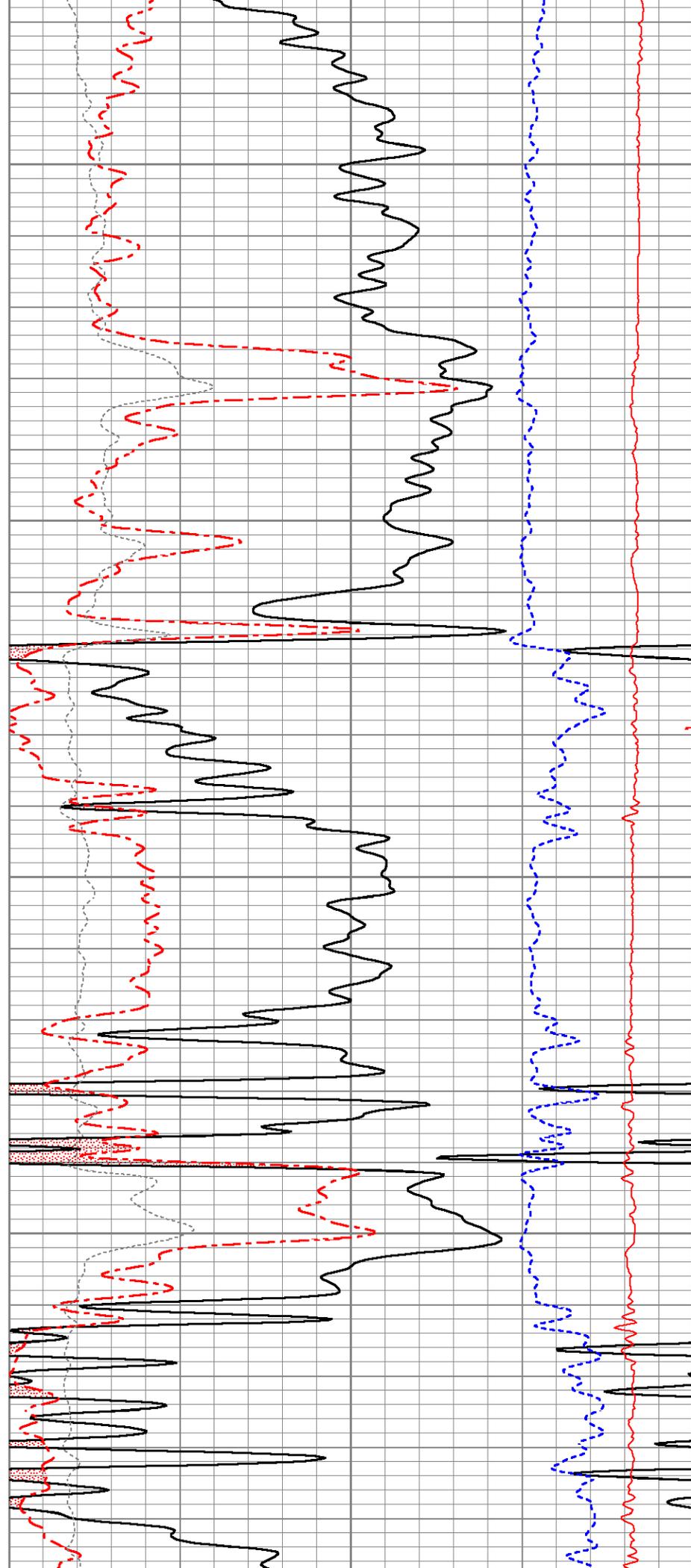


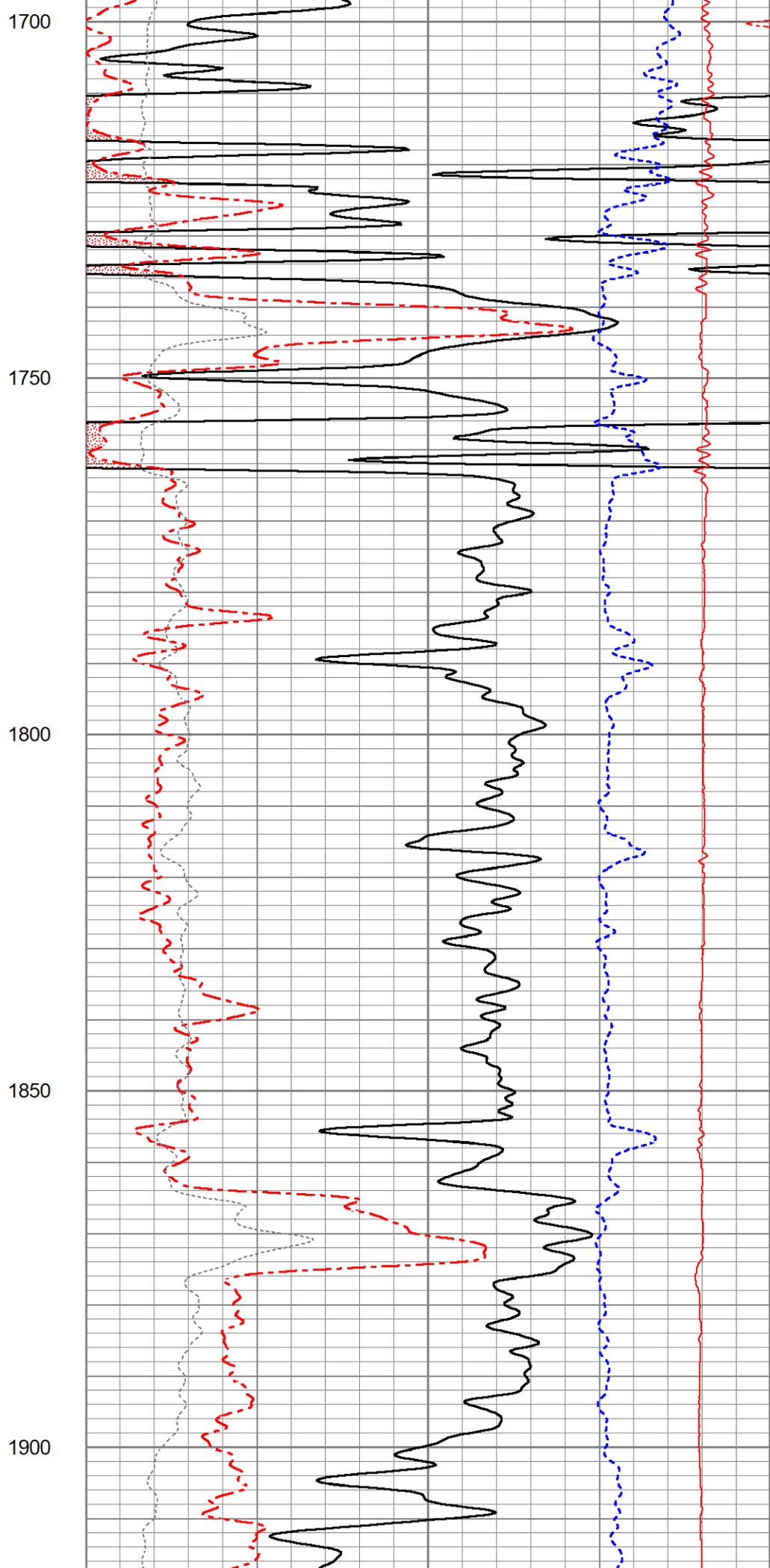
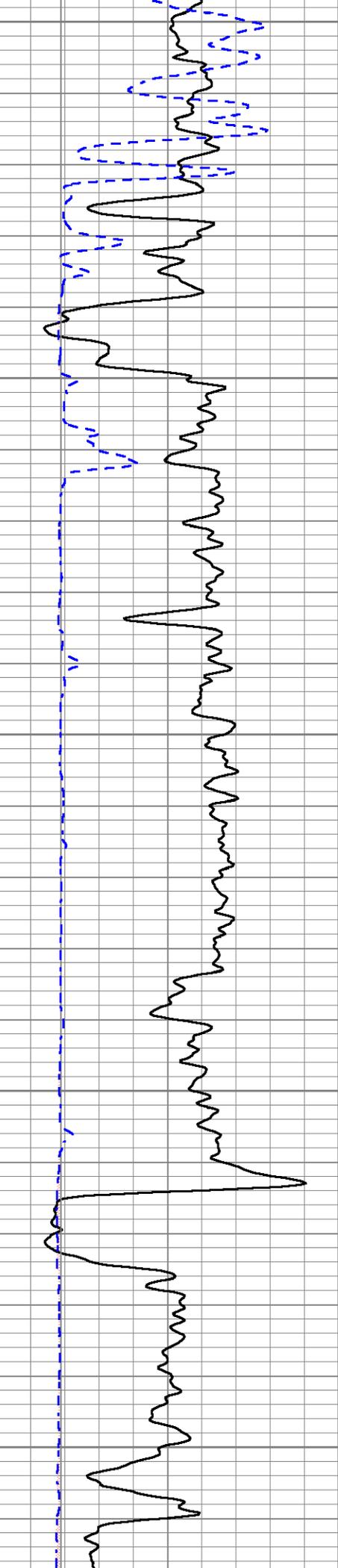
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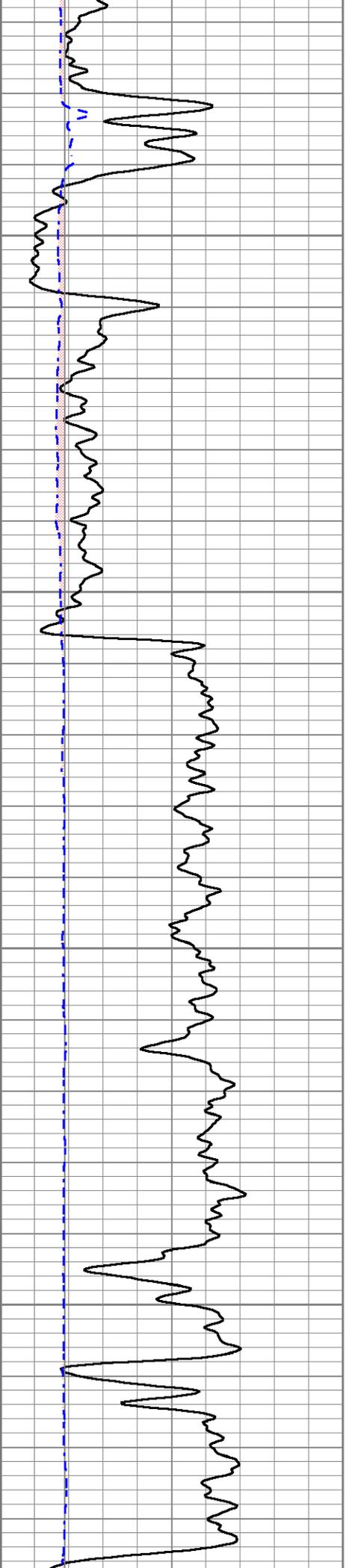
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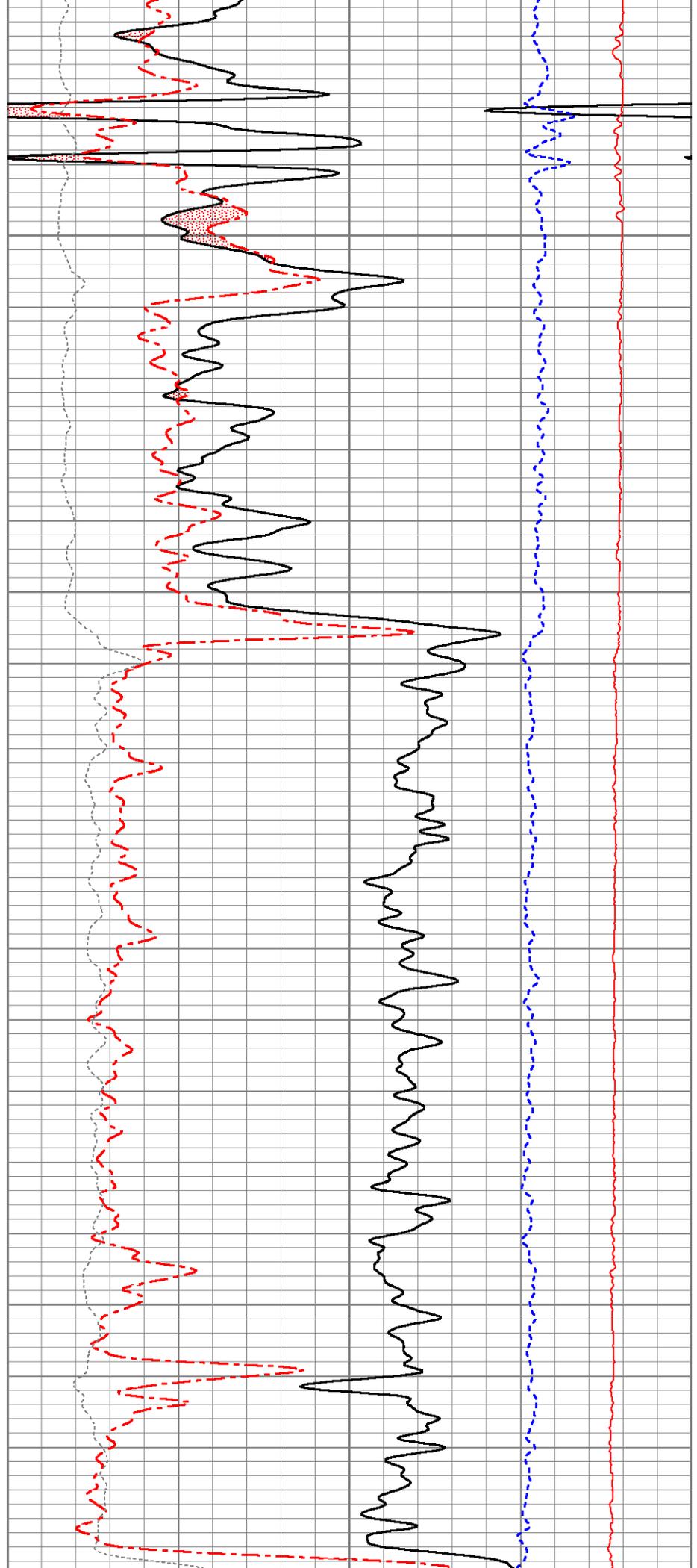


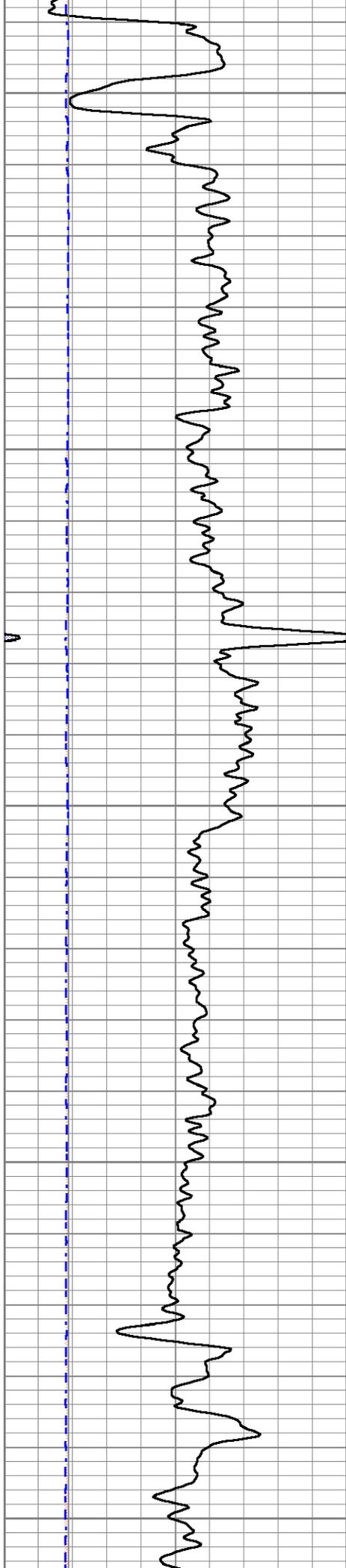
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2000

2050

2100





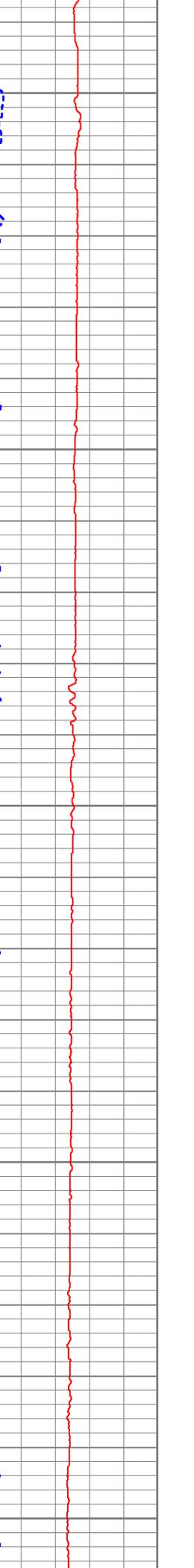
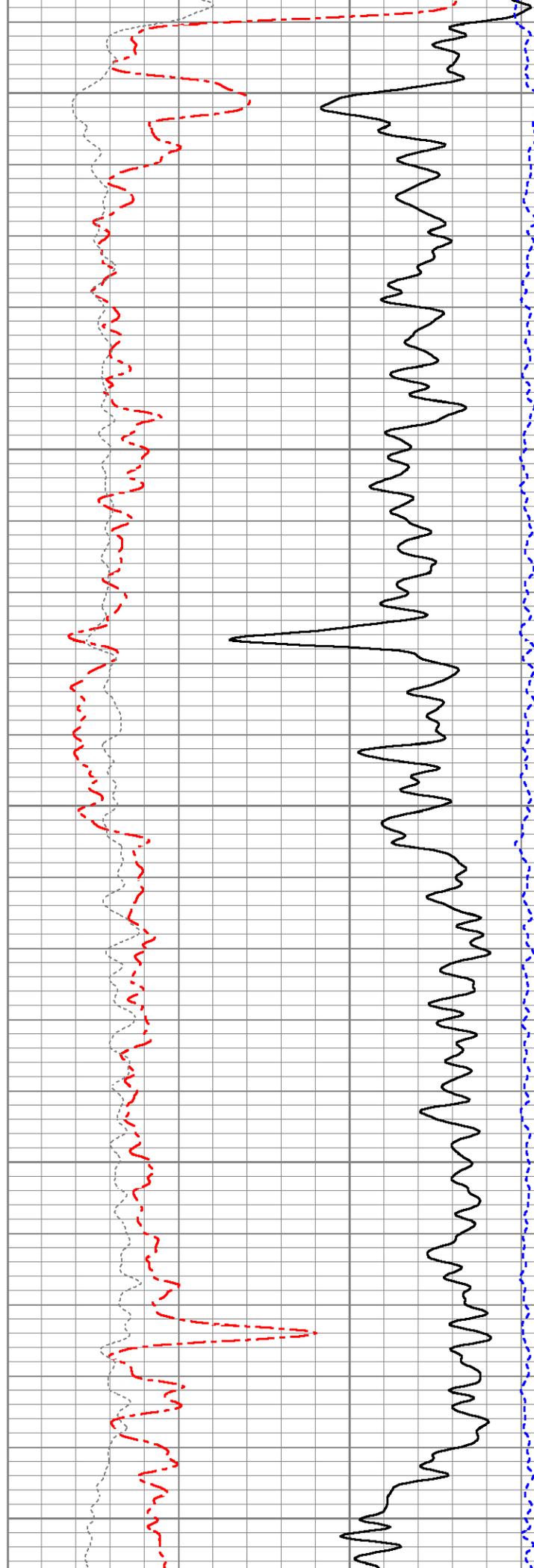
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2200

2250

2300

2350



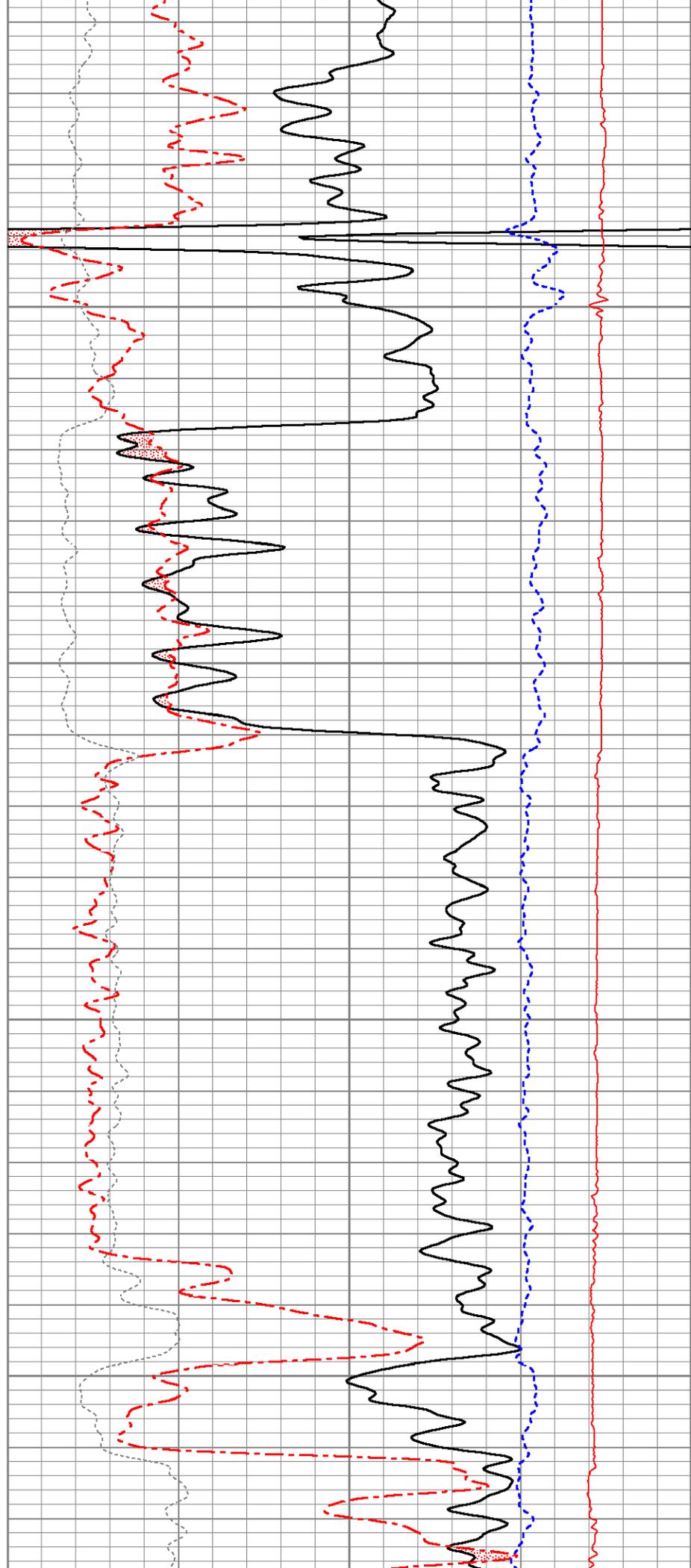


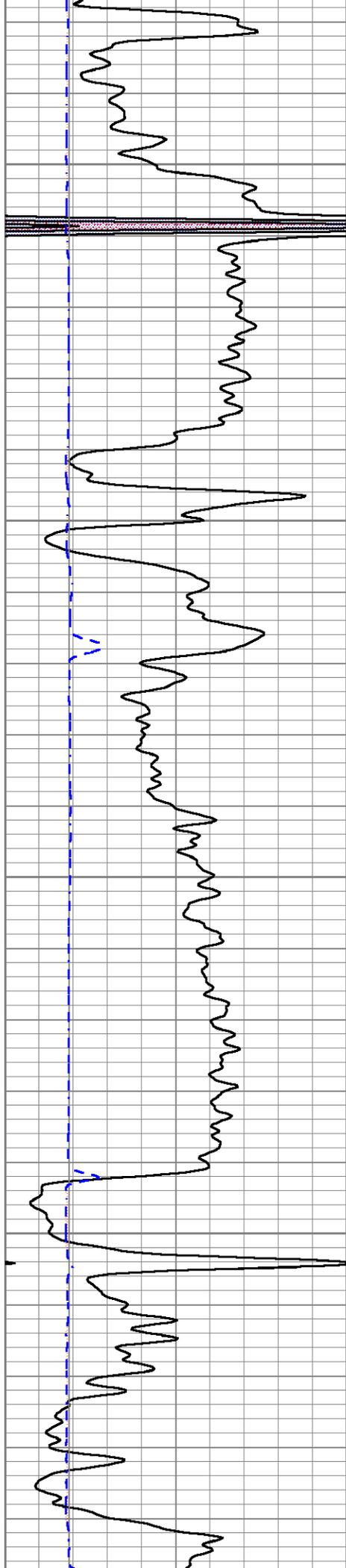
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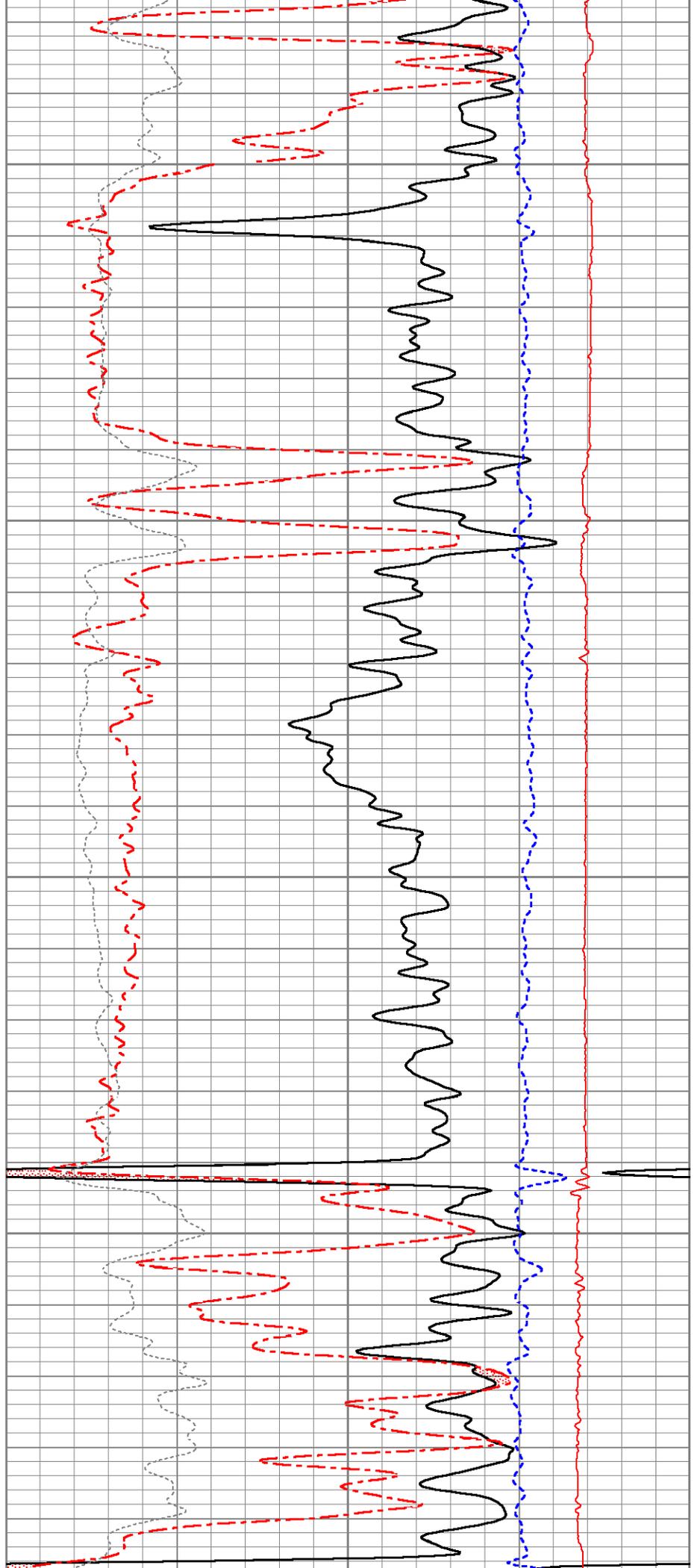


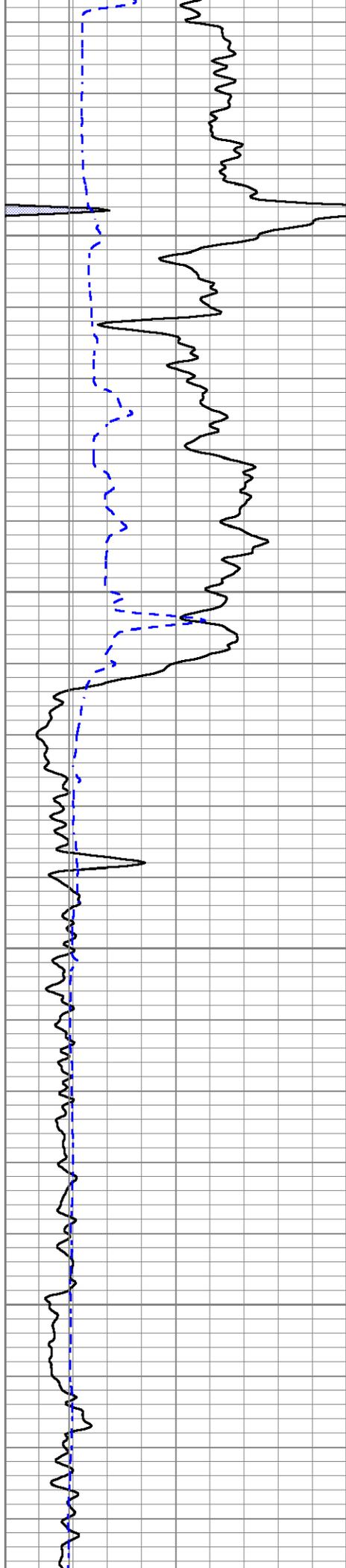
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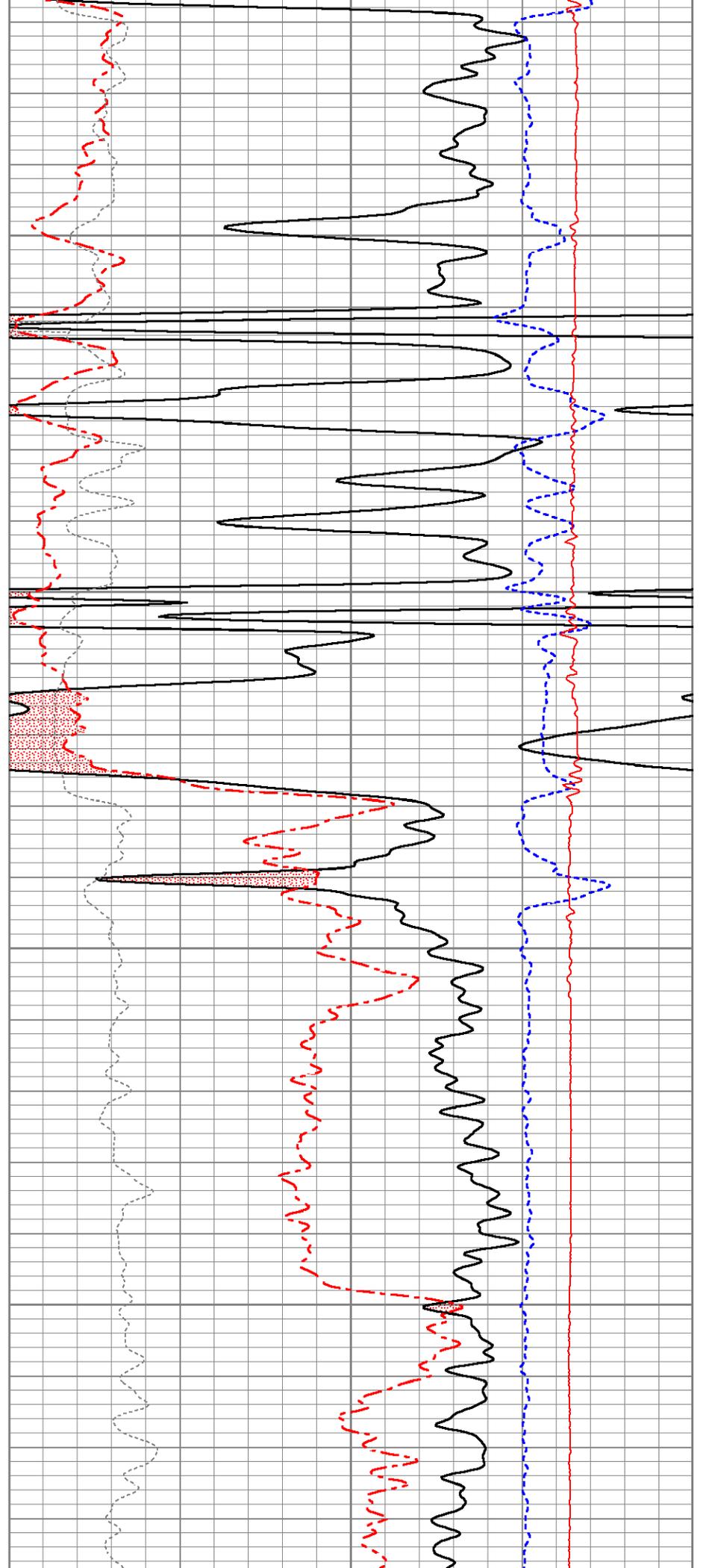


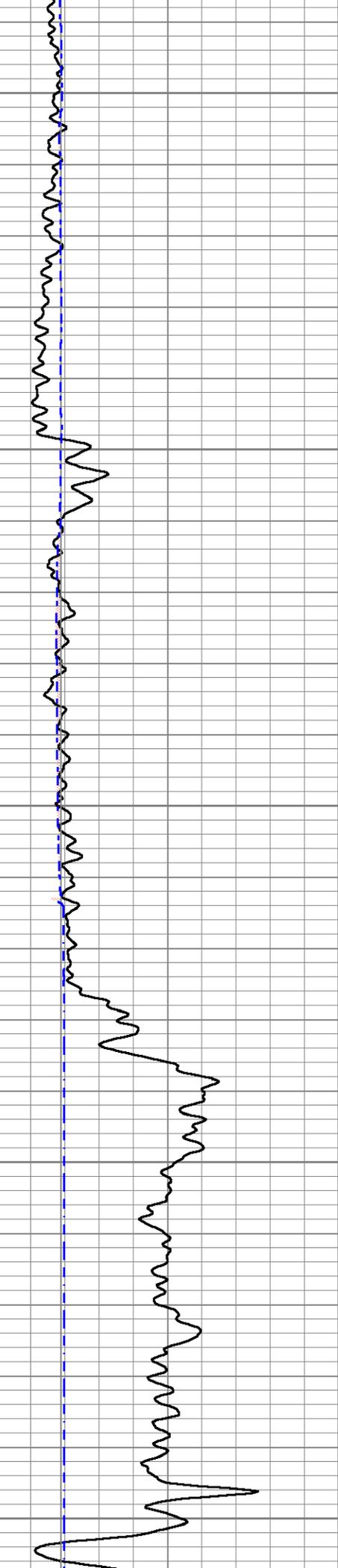
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3200





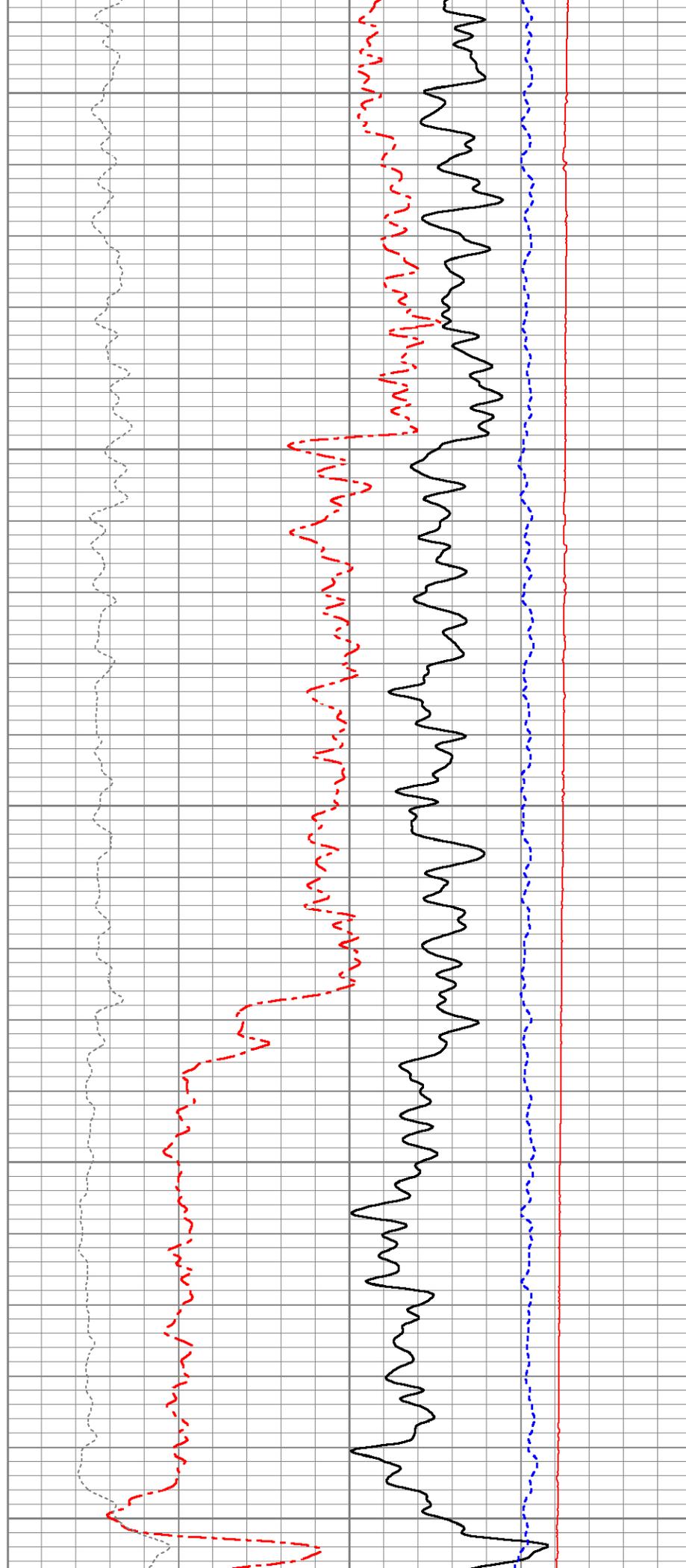
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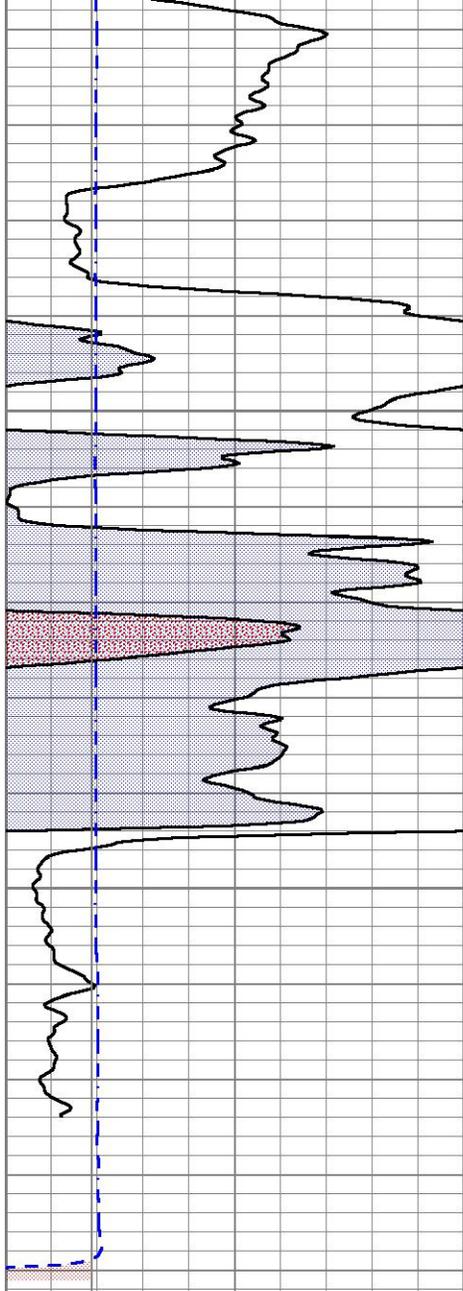
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3350

3400

3450

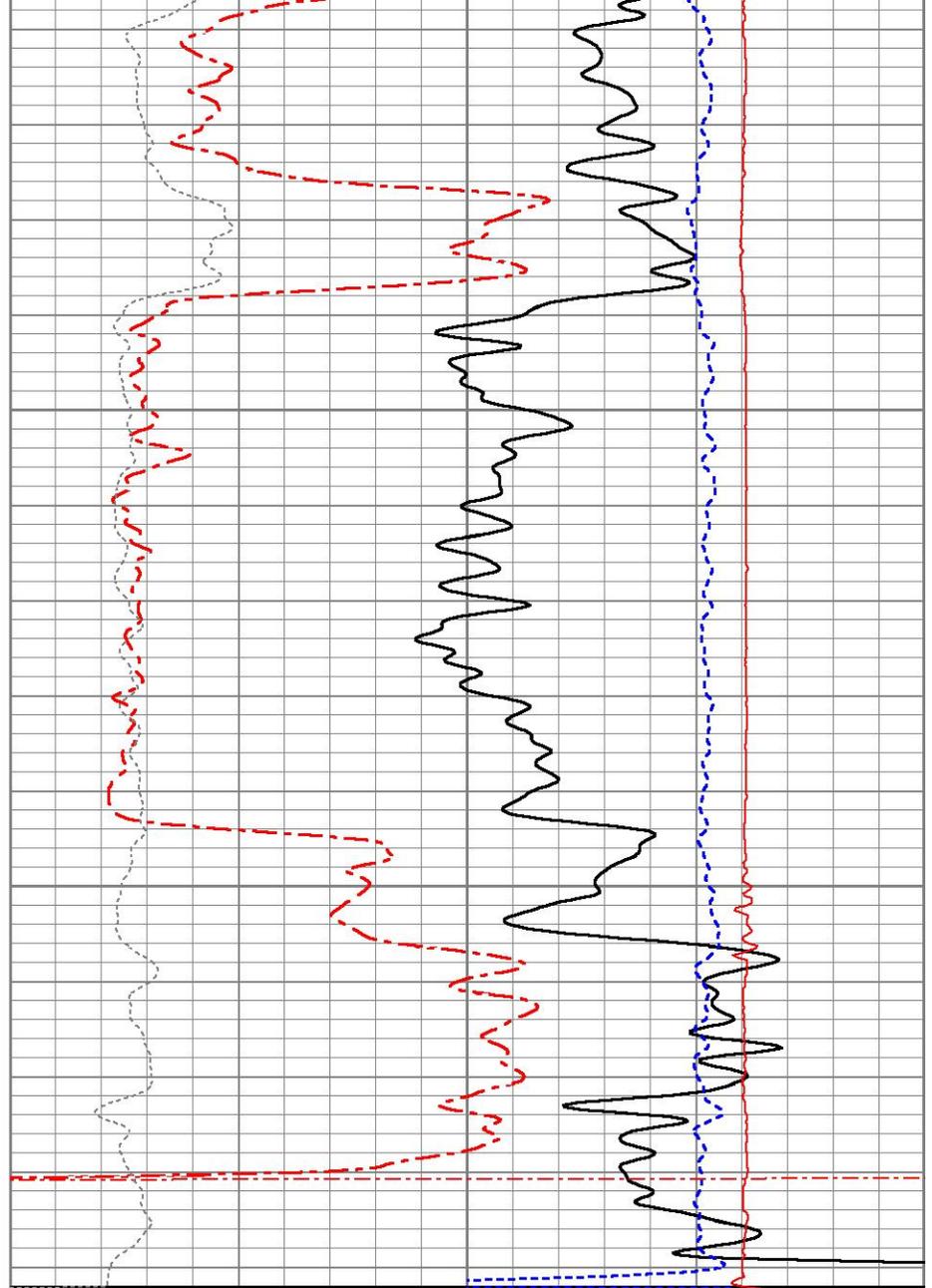




3500

3550

0	Gamma Ray (GAPI)	150
6	Bit size (in)	16
6.4	Density Caliper (in)	16.4



30	Density Porosity (pu)	-10
30	Neutron Porosity (pu)	-10
0	PE (barn)	10
-0.5	Correction (g/cc)	0.5
3000	Line Tension (lb)	500



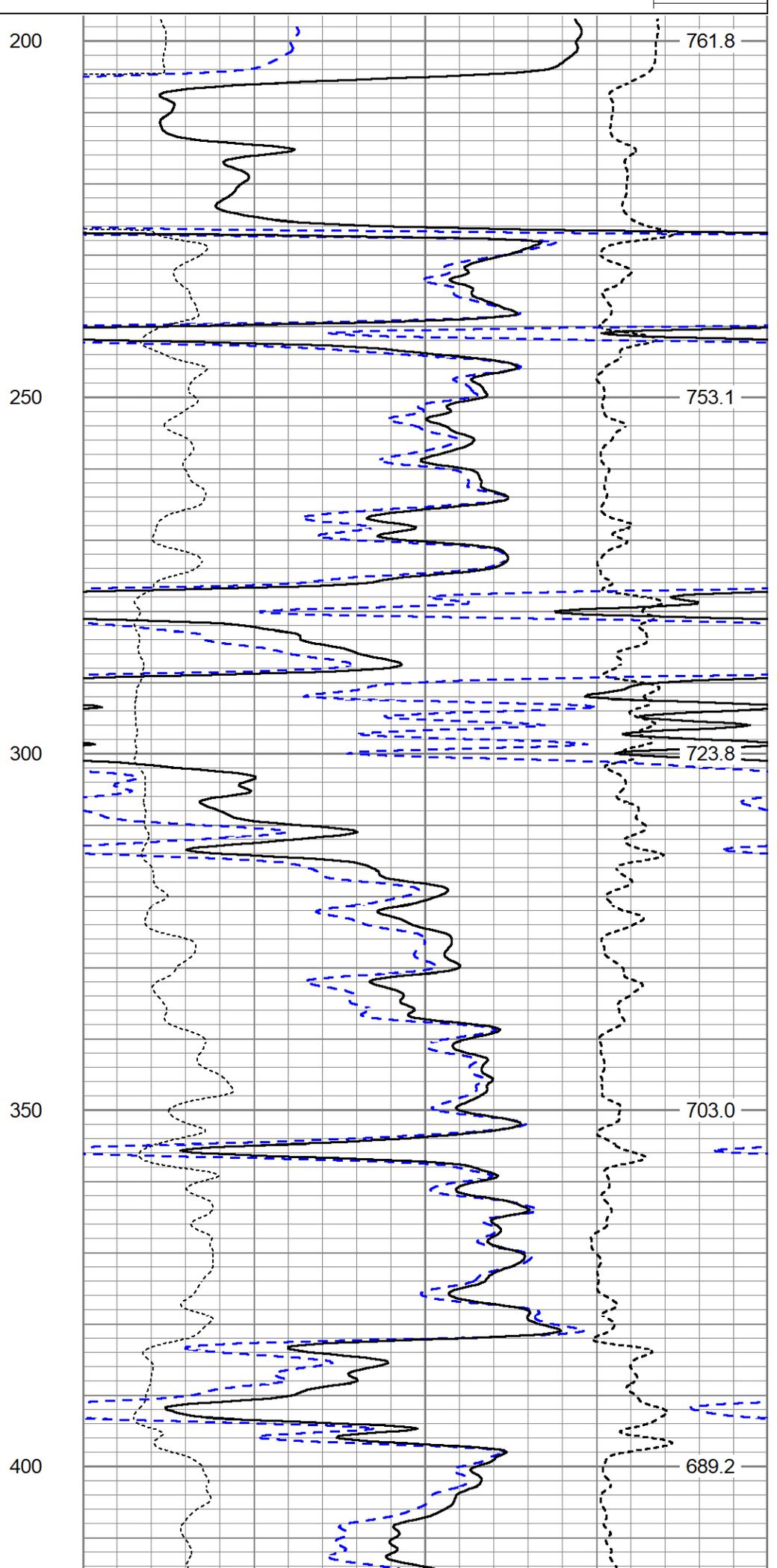
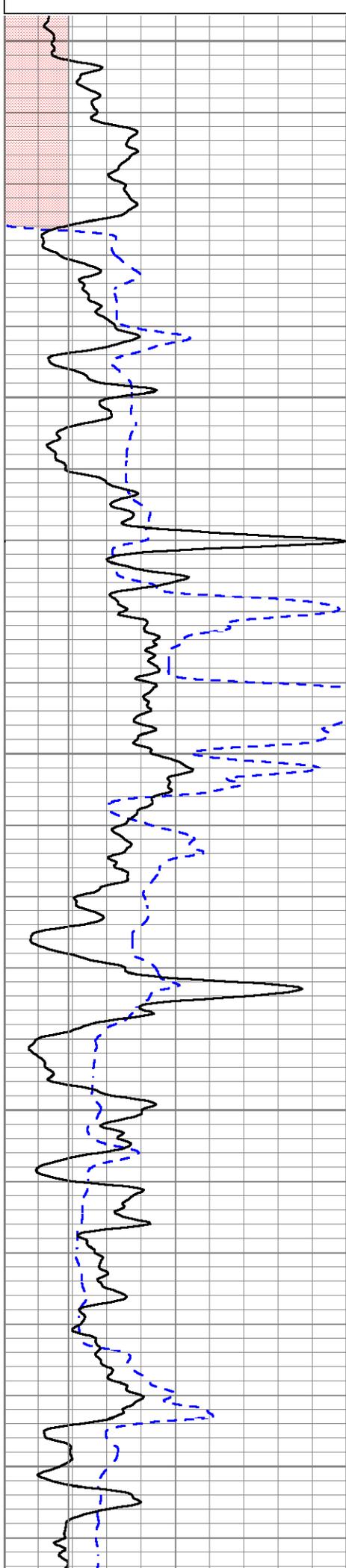
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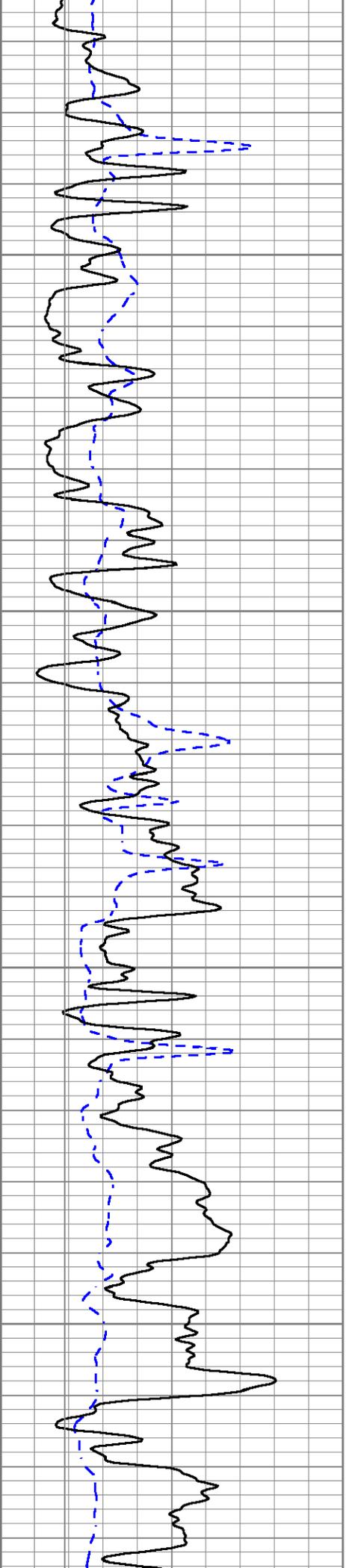
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 Charted by Depth in Feet scaled 1:240

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
-0.5	Correction (g/cc)	0.5

ABHV (ft3)



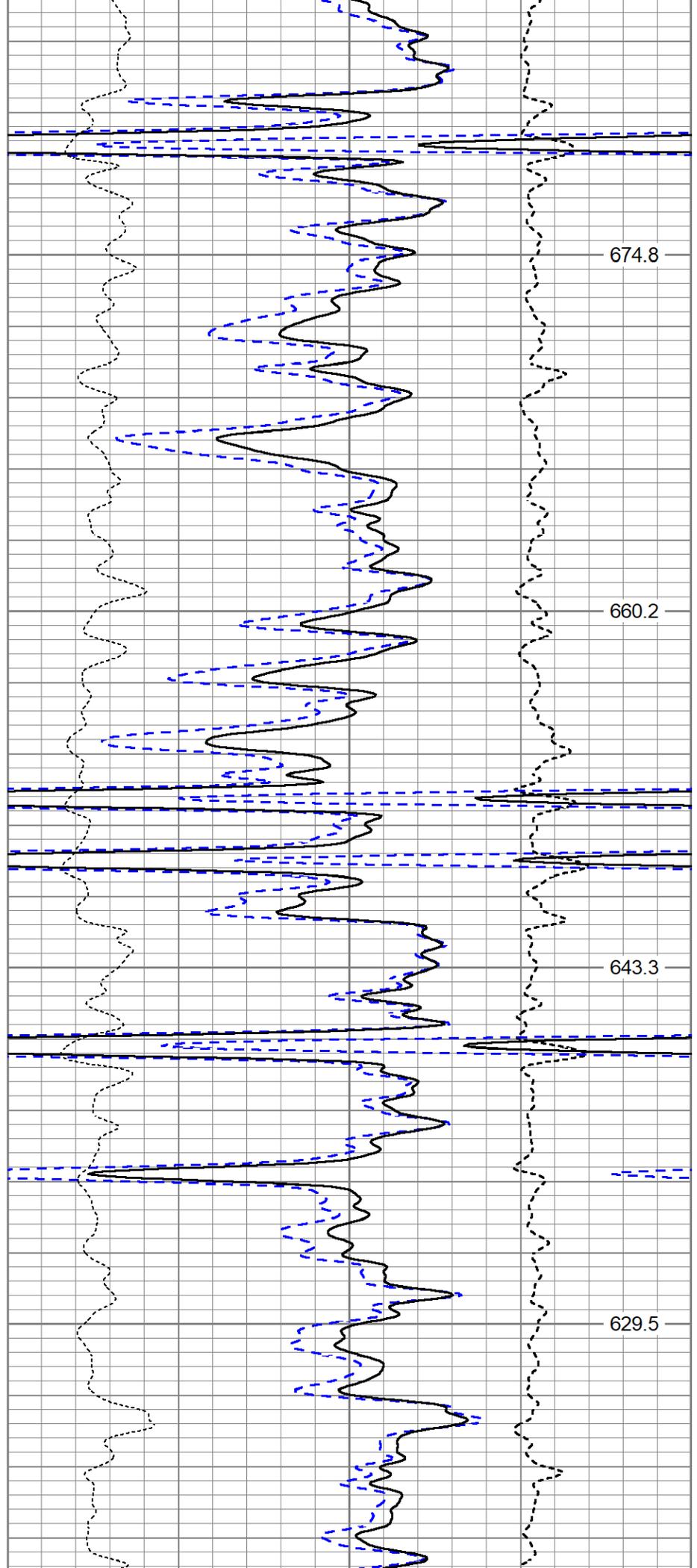


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500

550

600

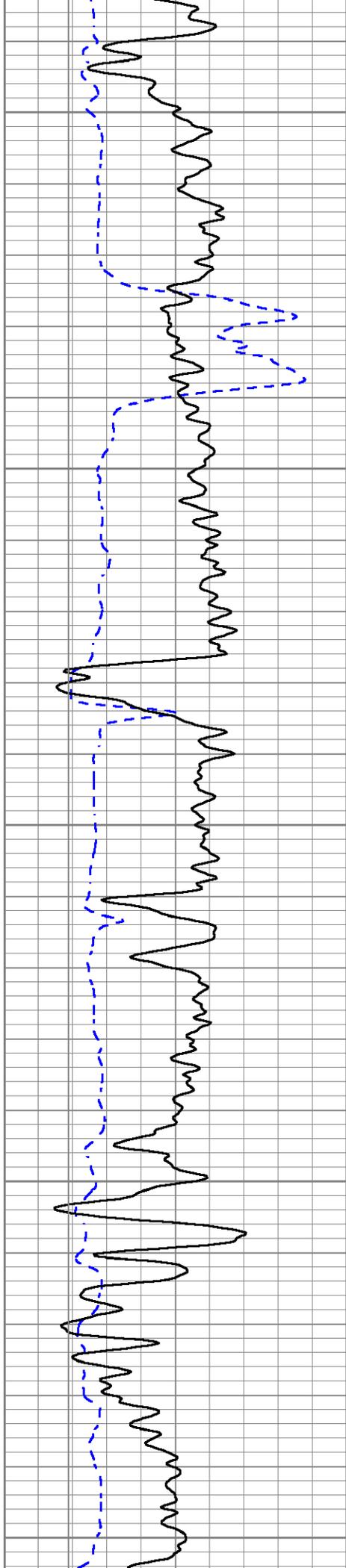


674.8

660.2

643.3

629.5



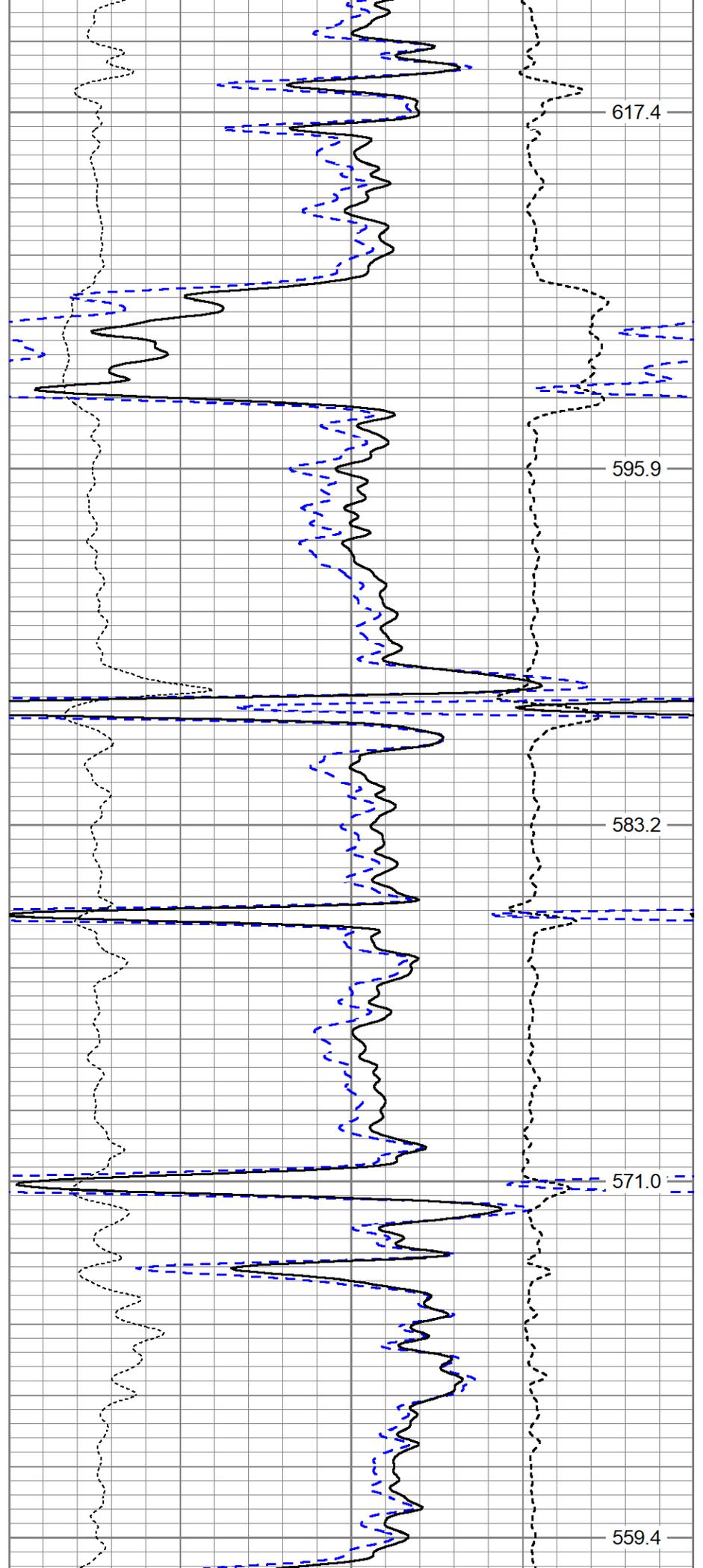
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700

750

800

850



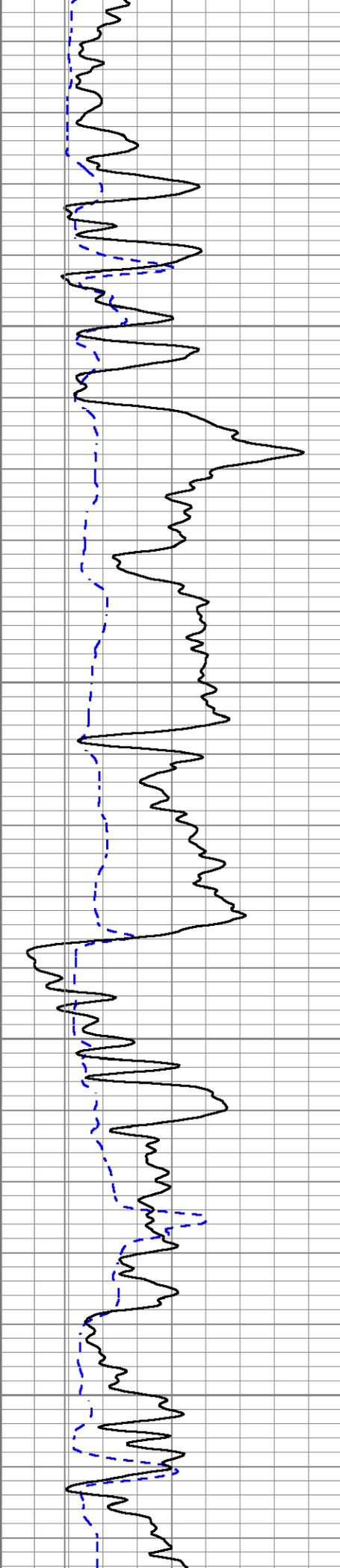
617.4

595.9

583.2

571.0

559.4

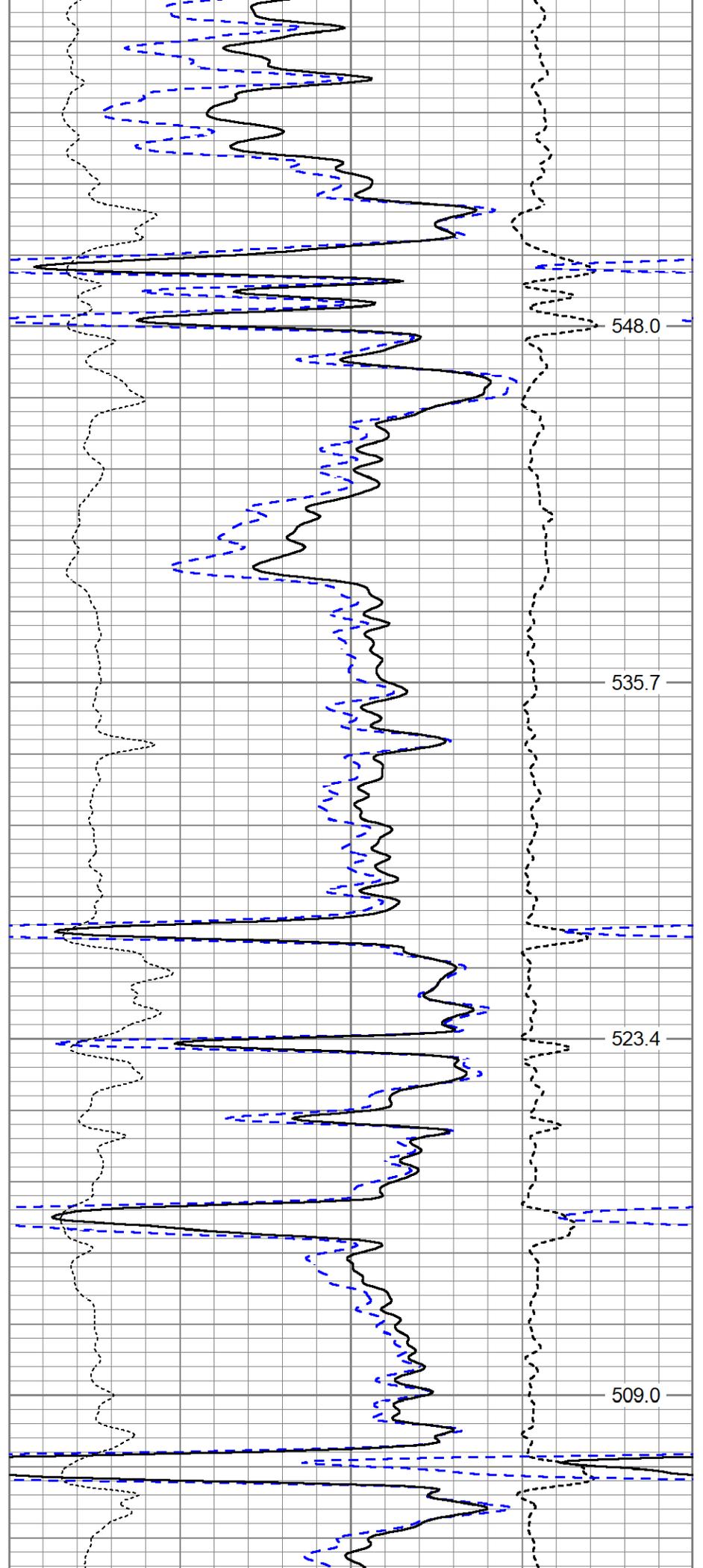


900

950

1000

1050

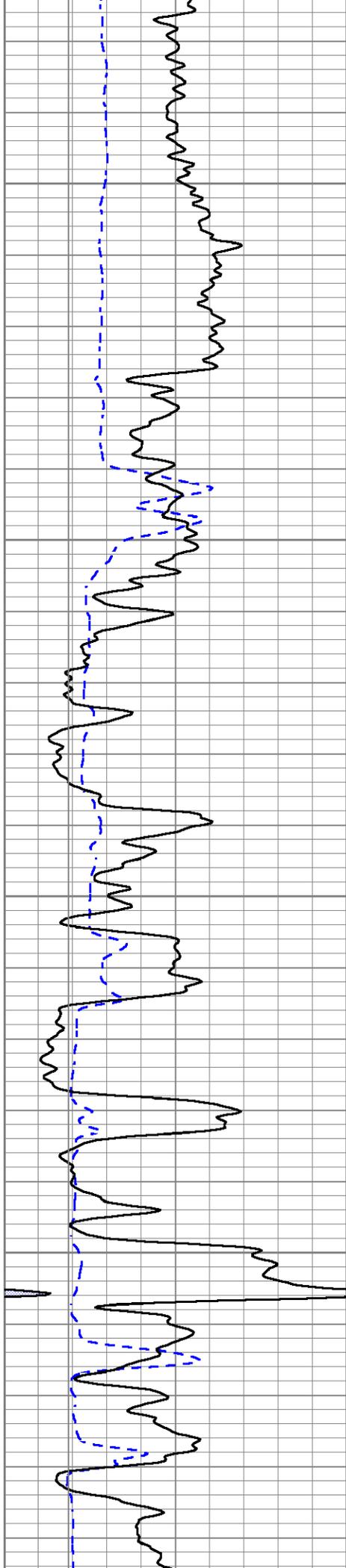


548.0

535.7

523.4

509.0

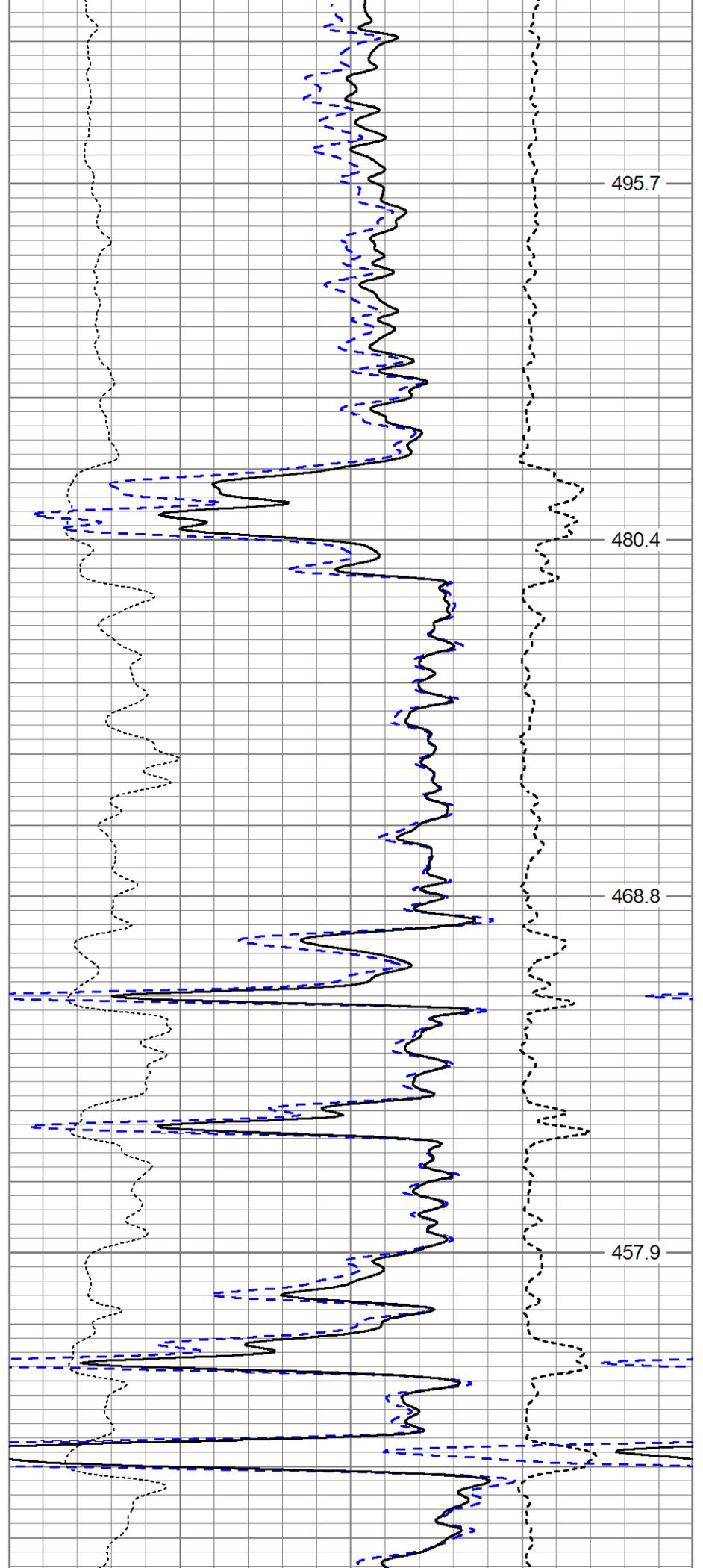


1100

1150

1200

1250

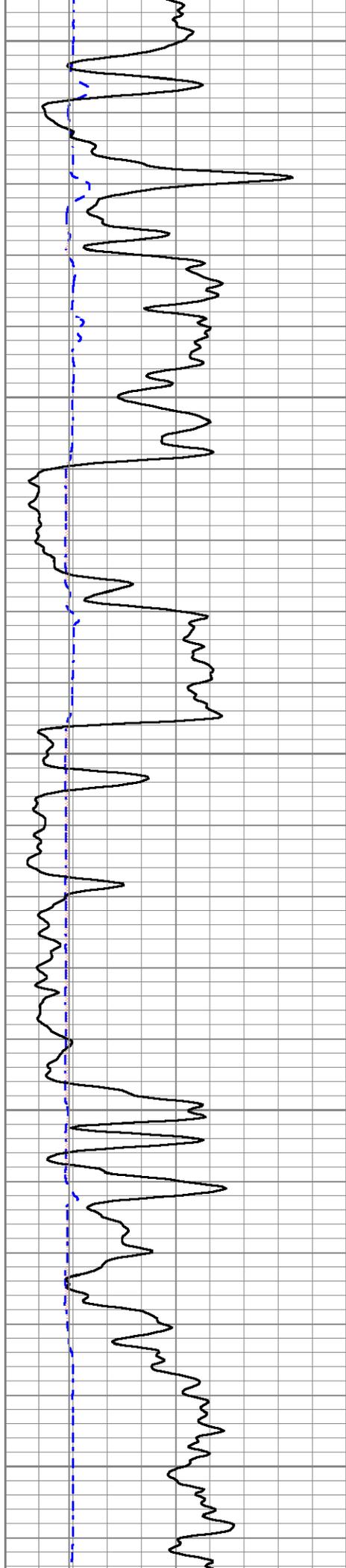


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480.4

468.8

457.9



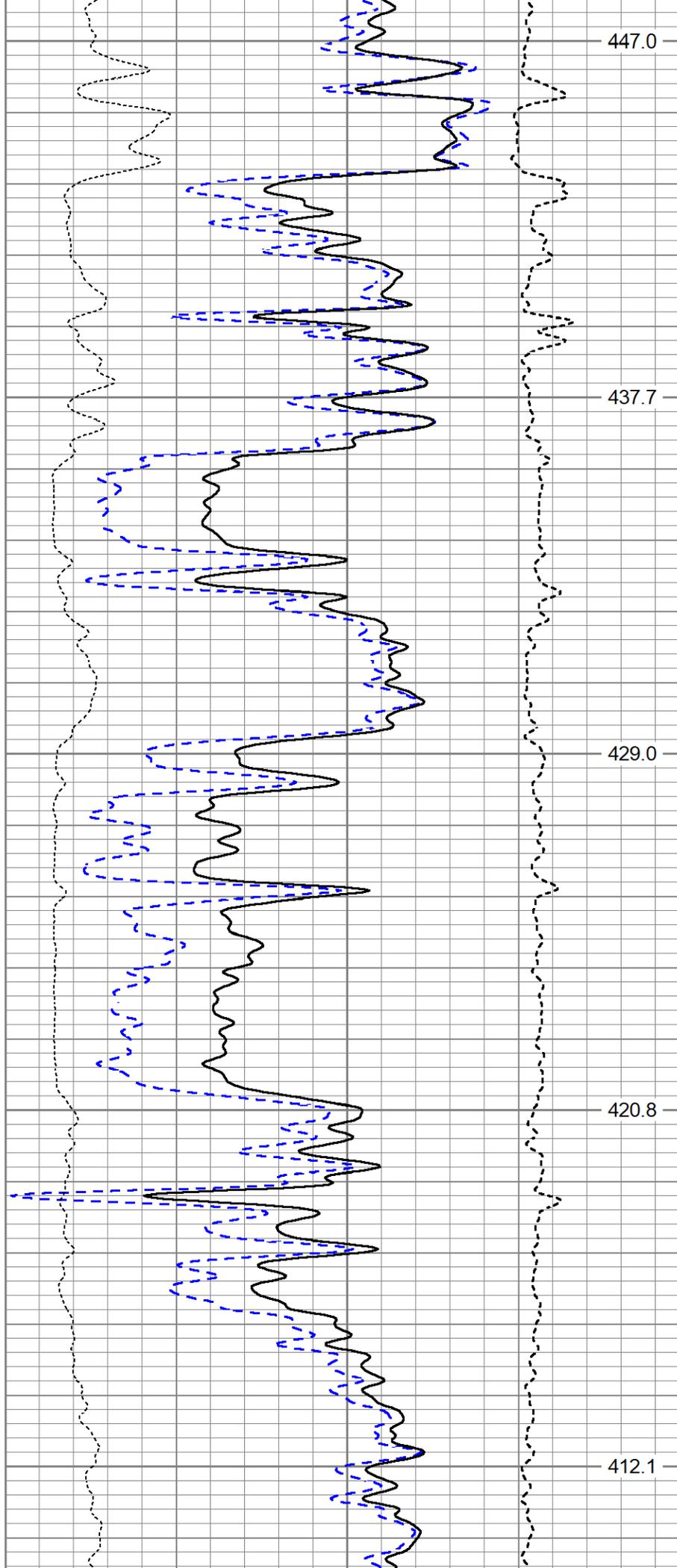
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1350

1400

1450

1500



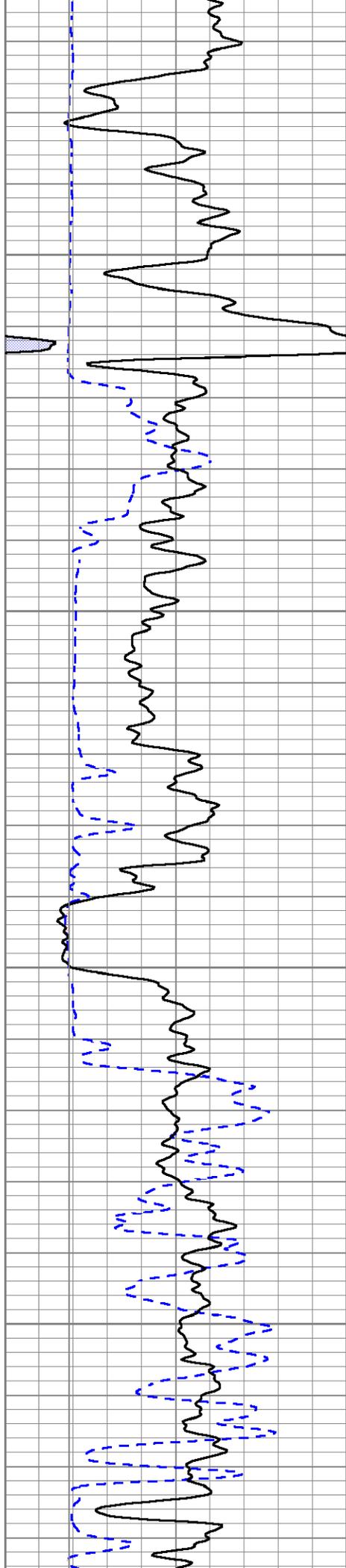
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437.7

429.0

420.8

412.1

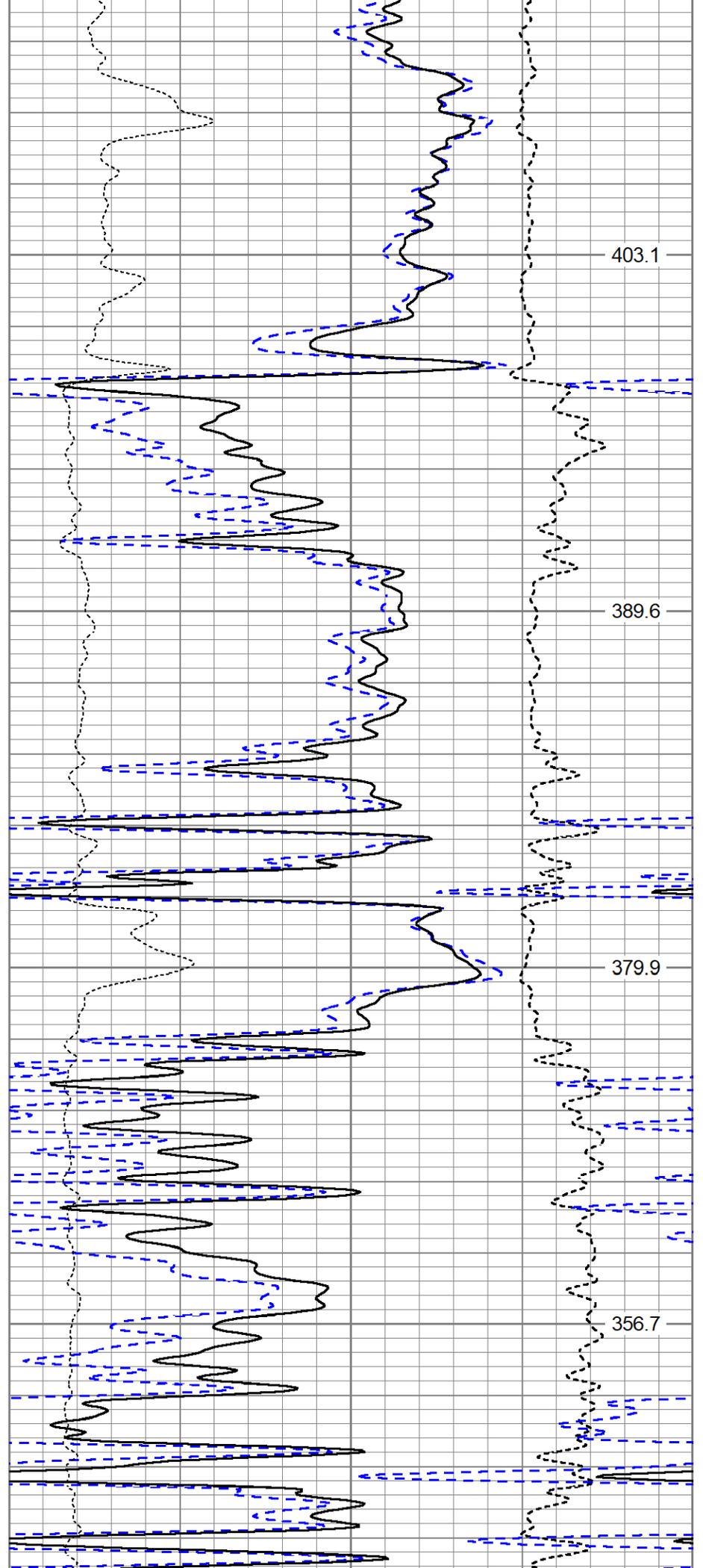


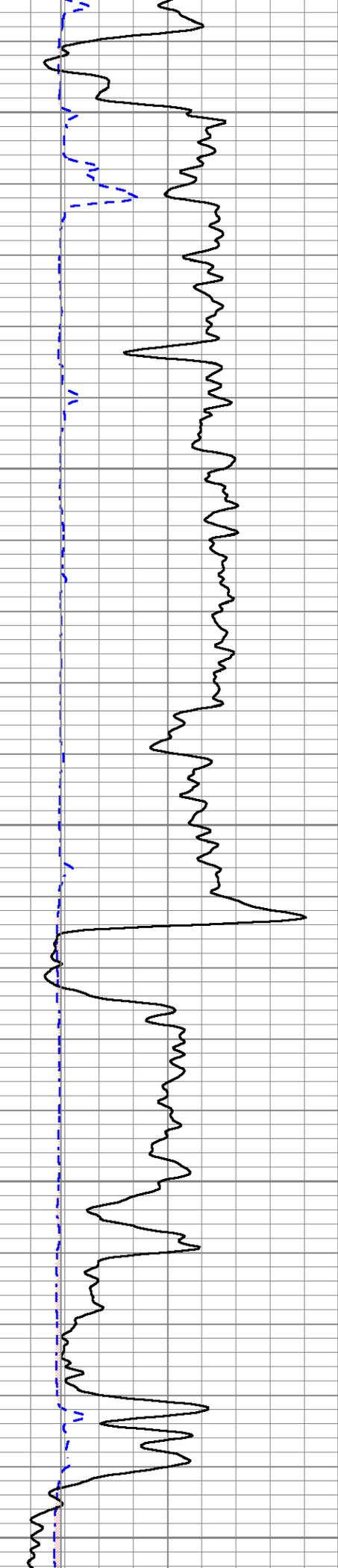
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1600

1650

1700





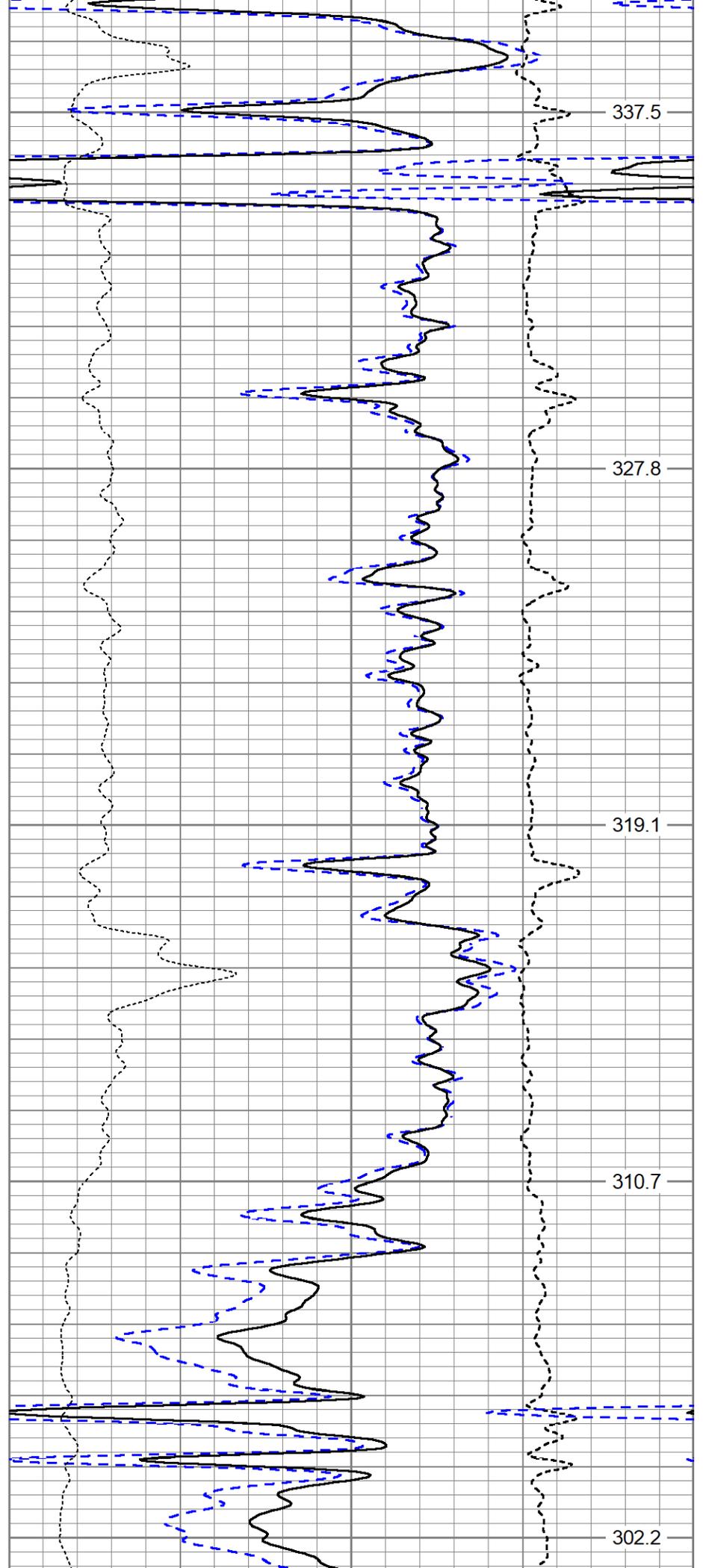
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1850

1900

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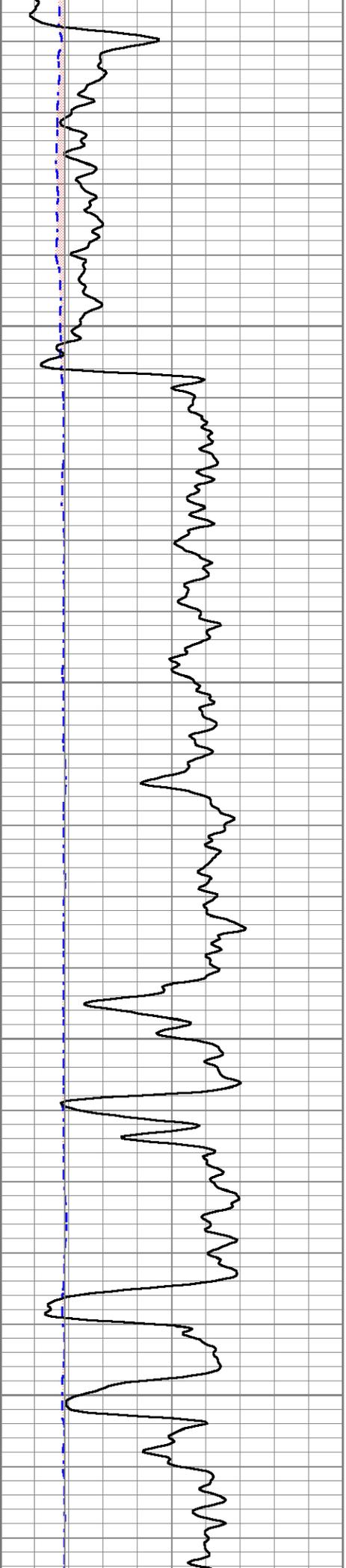
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327.8

319.1

310.7

302.2

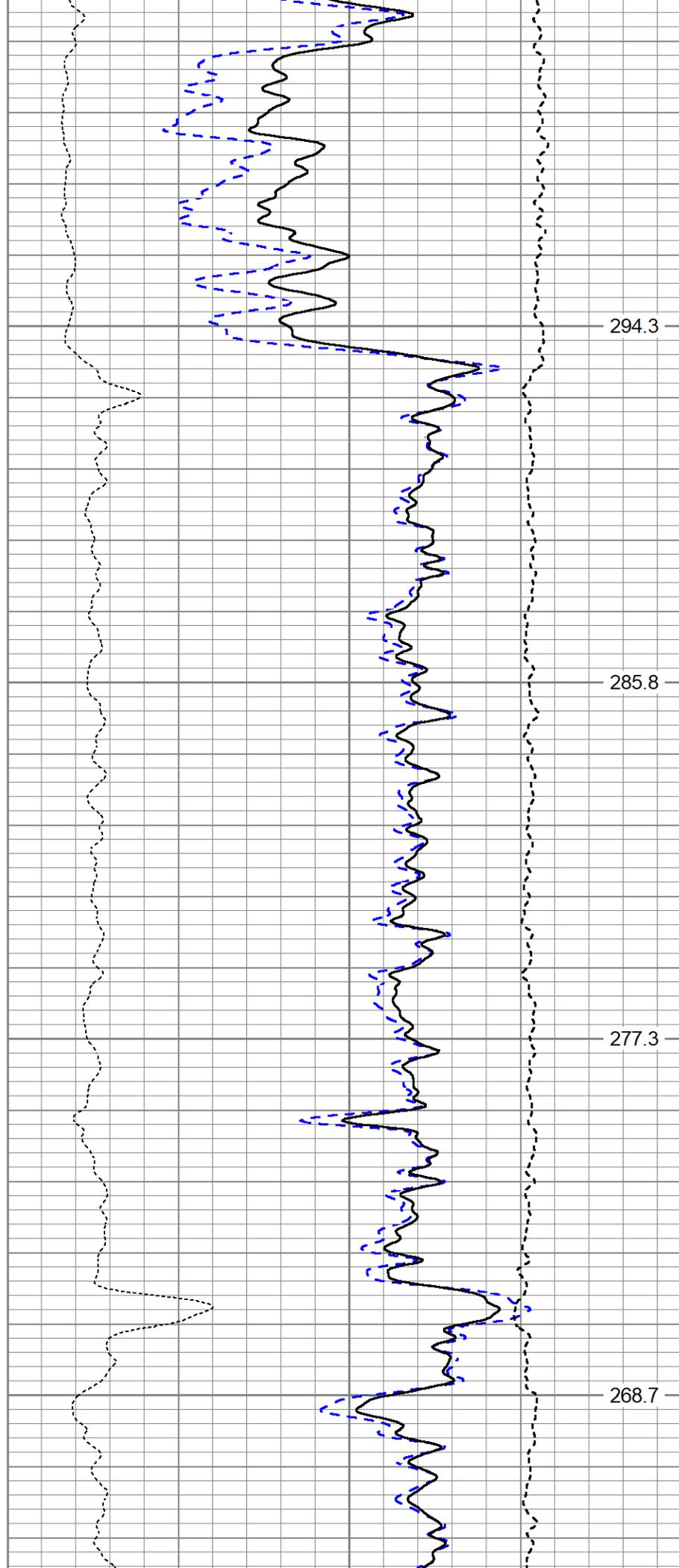


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2050

2100

2150

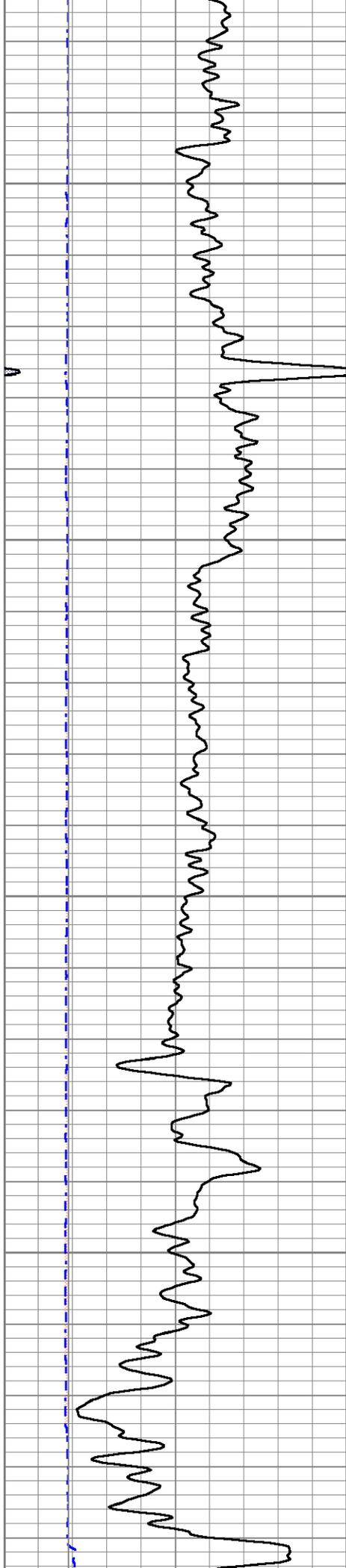


294.3

285.8

277.3

268.7

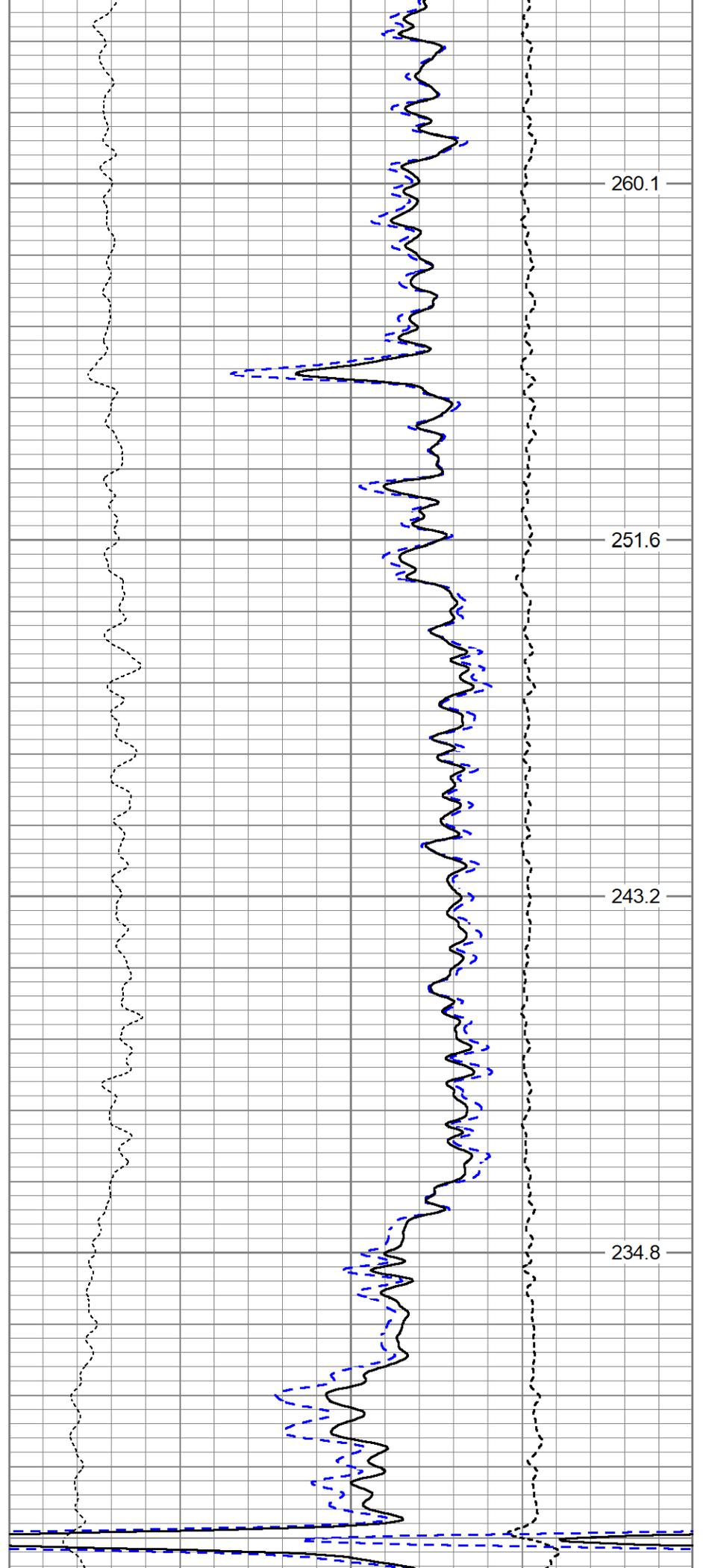


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2300

2350

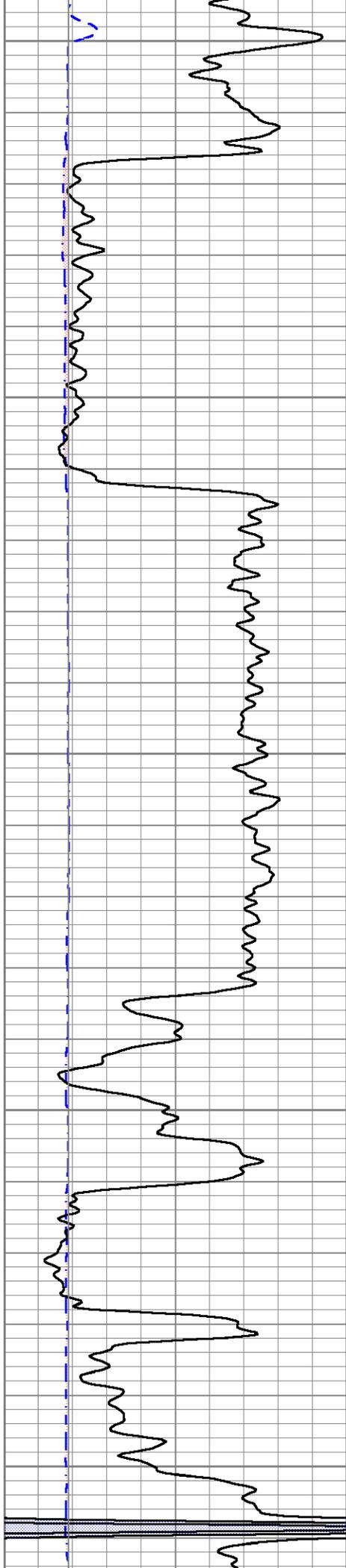


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251.6

243.2

234.8



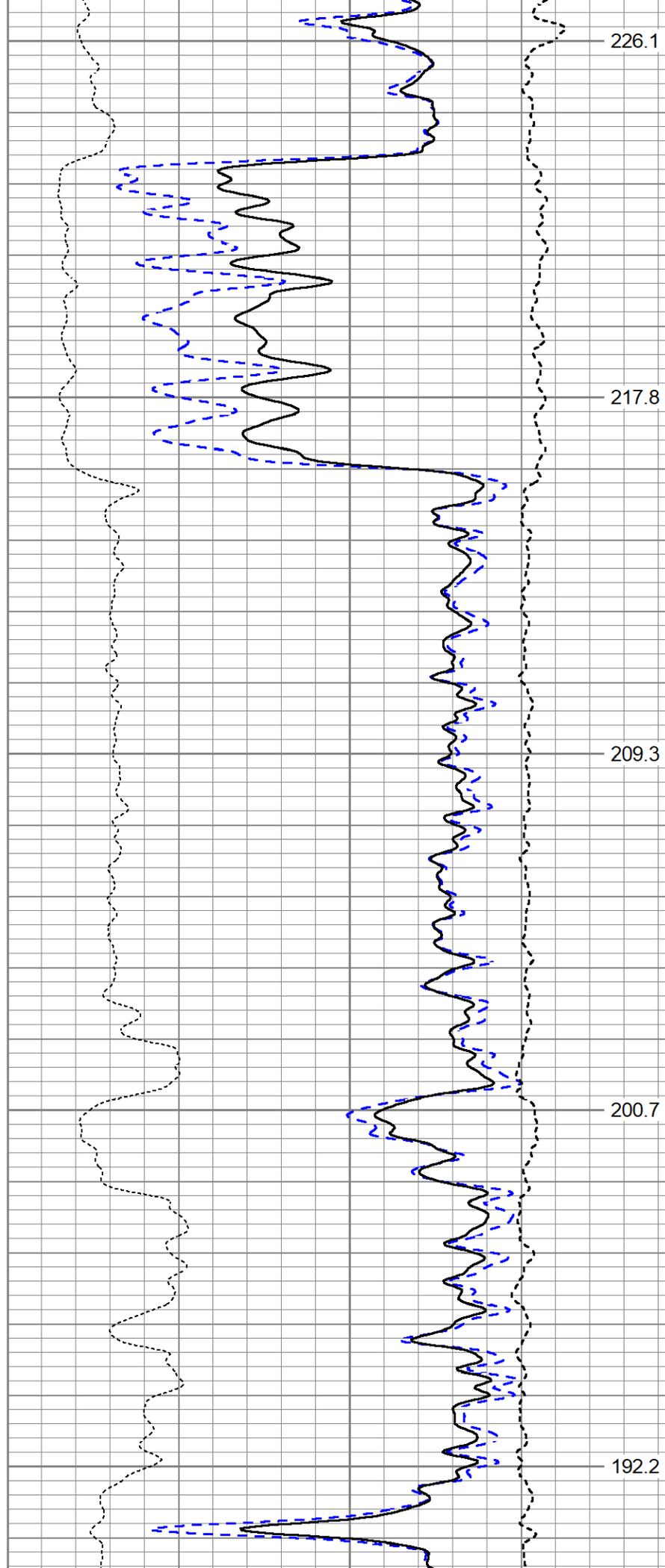
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2450

2500

2550

2600



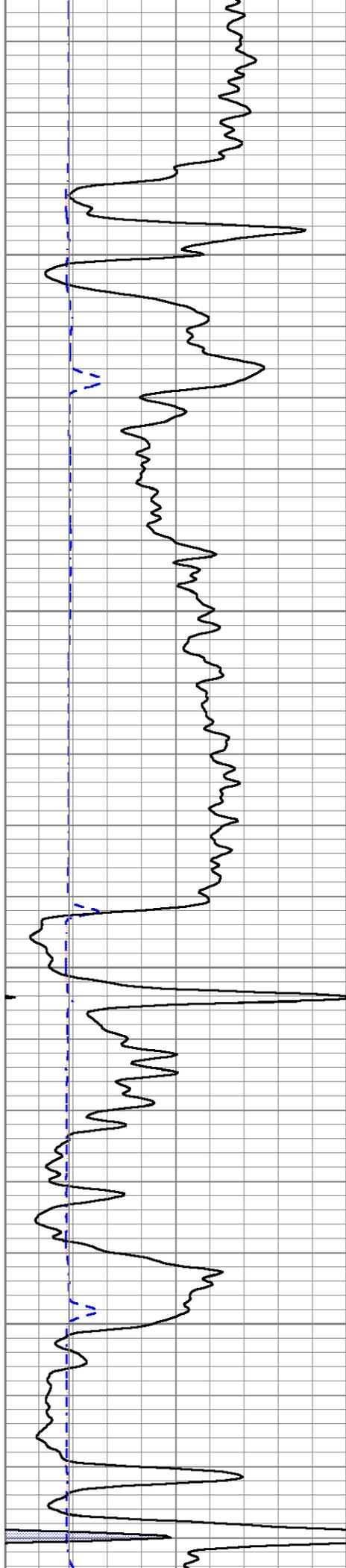
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217.8

209.3

200.7

192.2

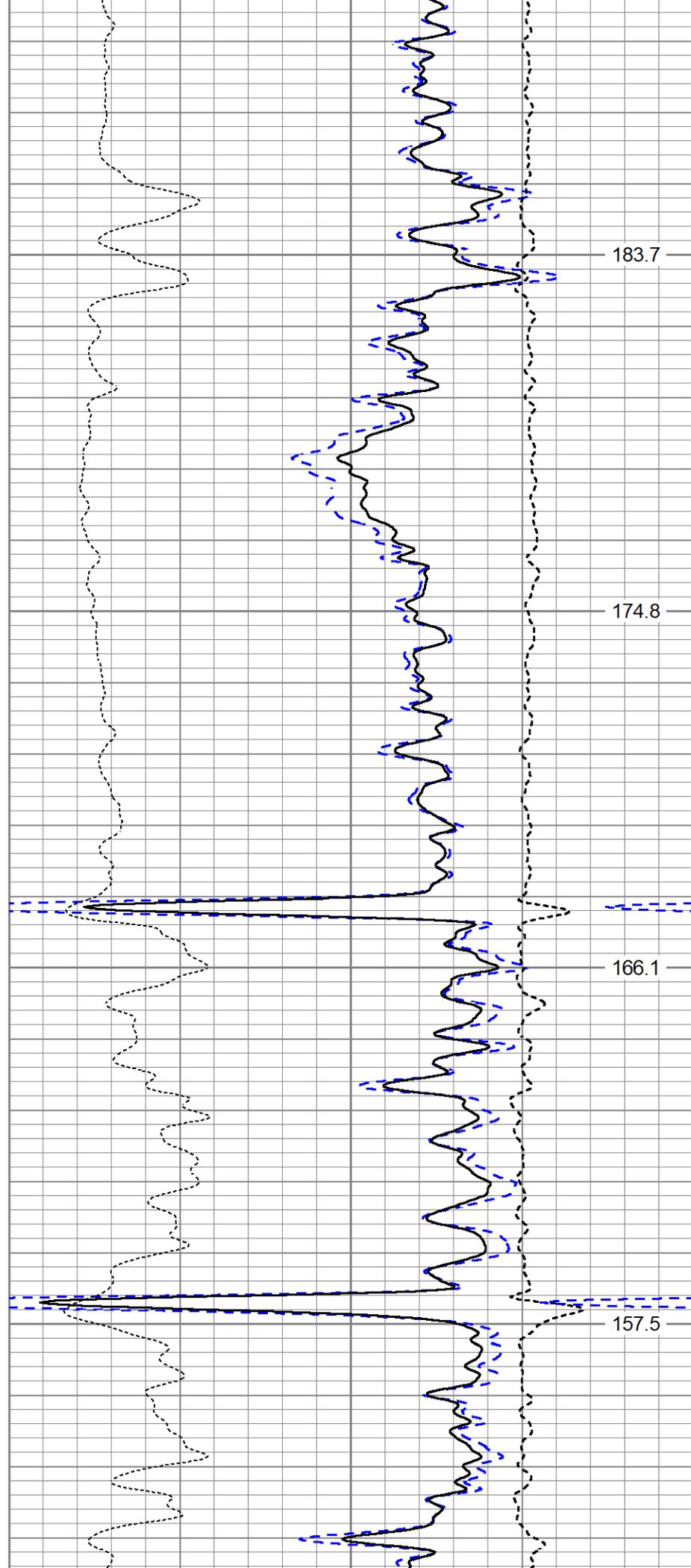


2650

2700

2750

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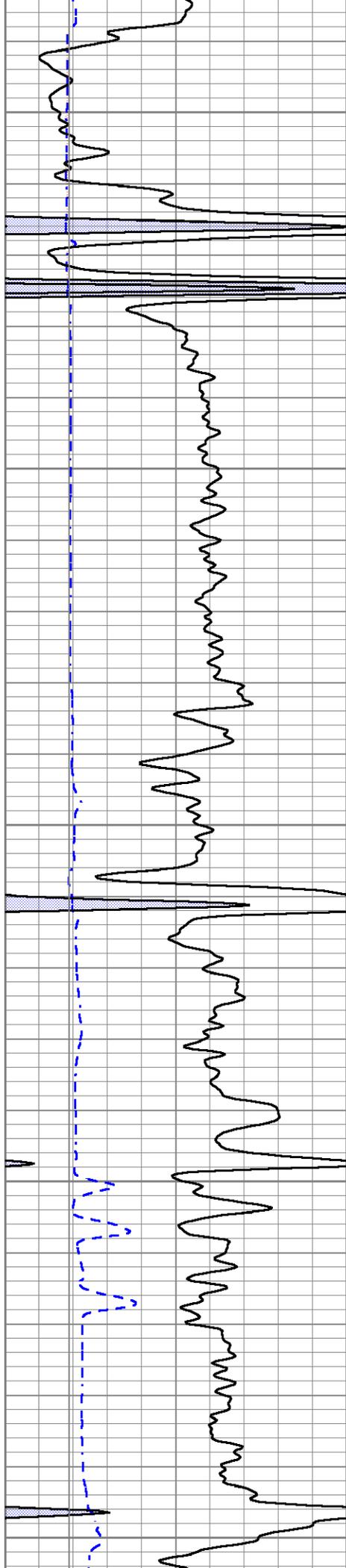


183.7

174.8

166.1

157.5



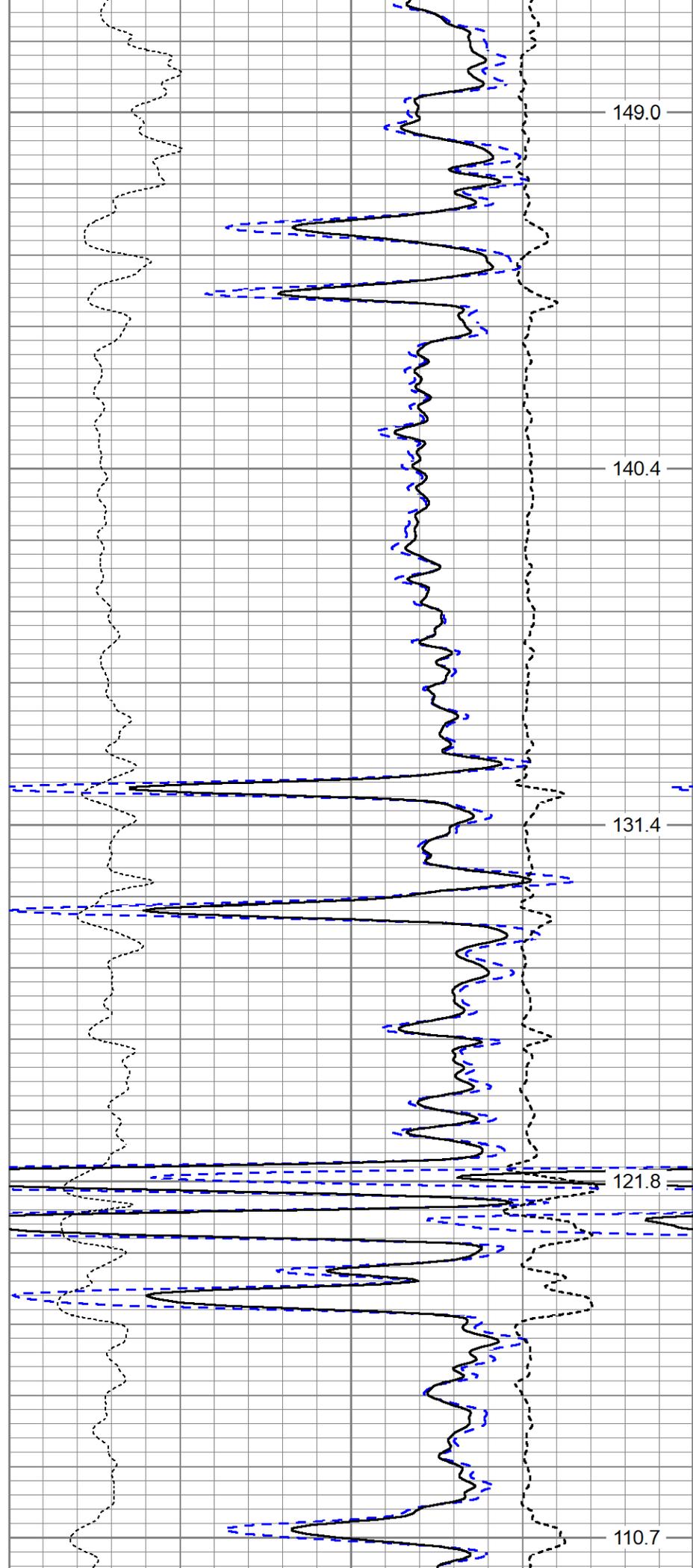
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2900

2950

3000

3050



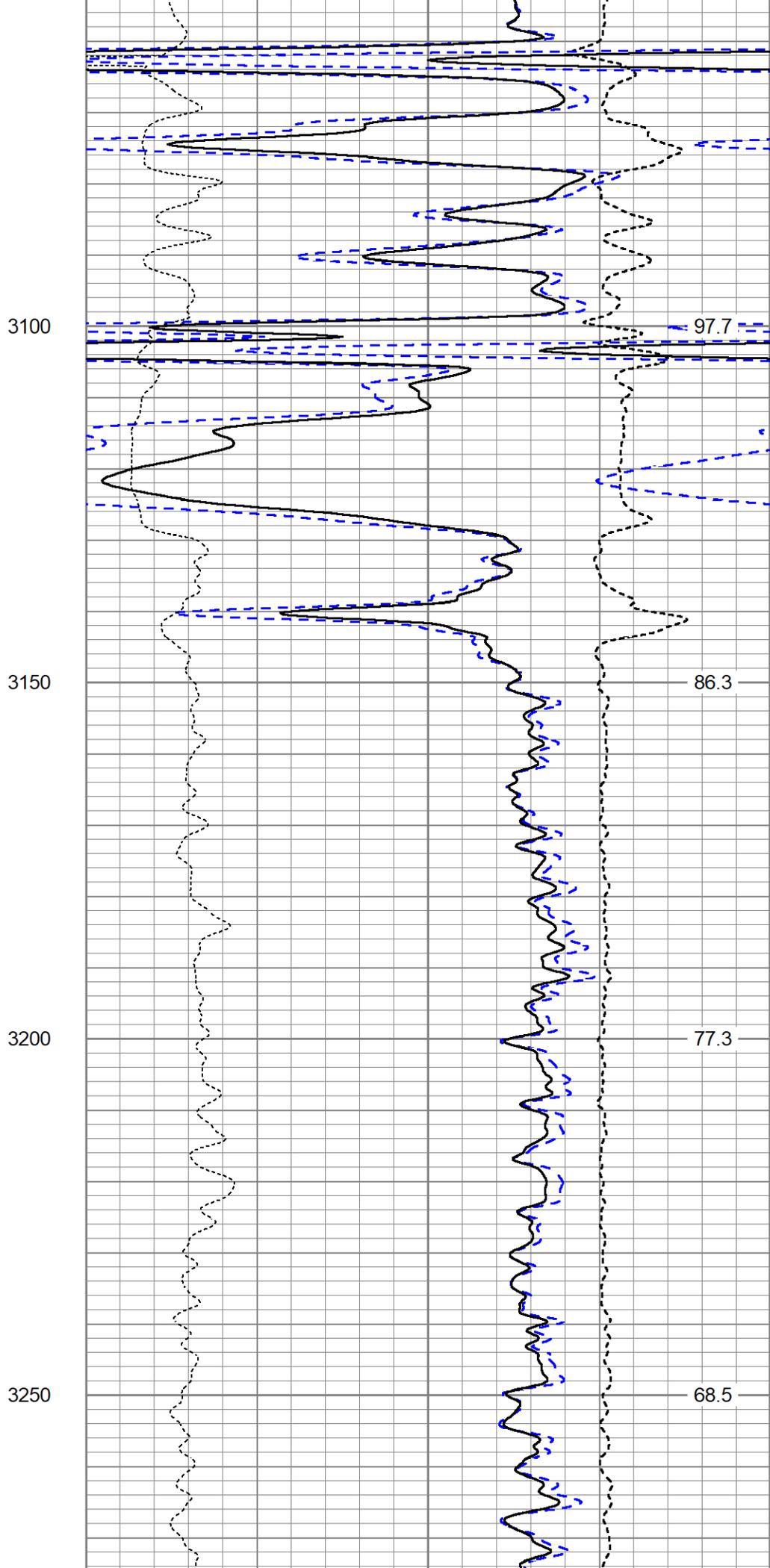
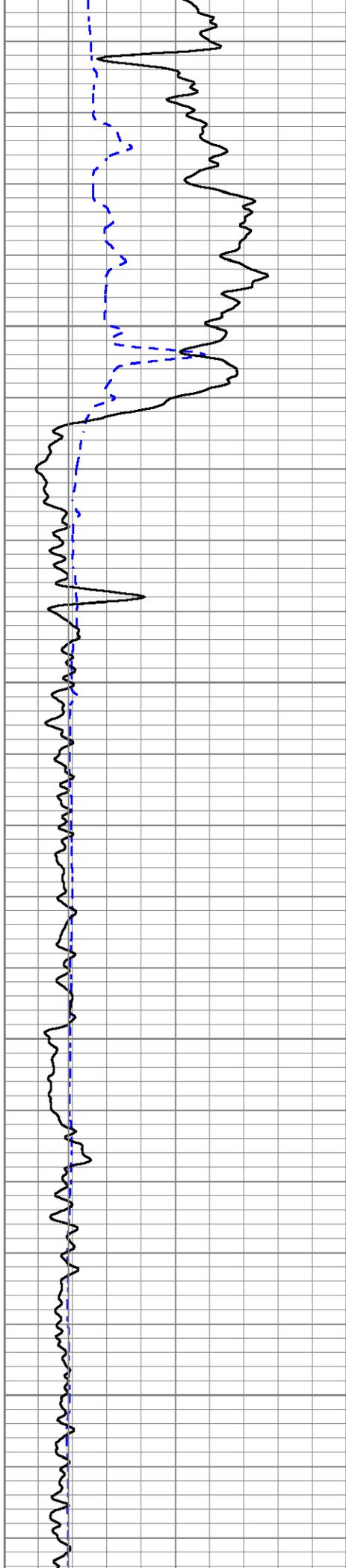
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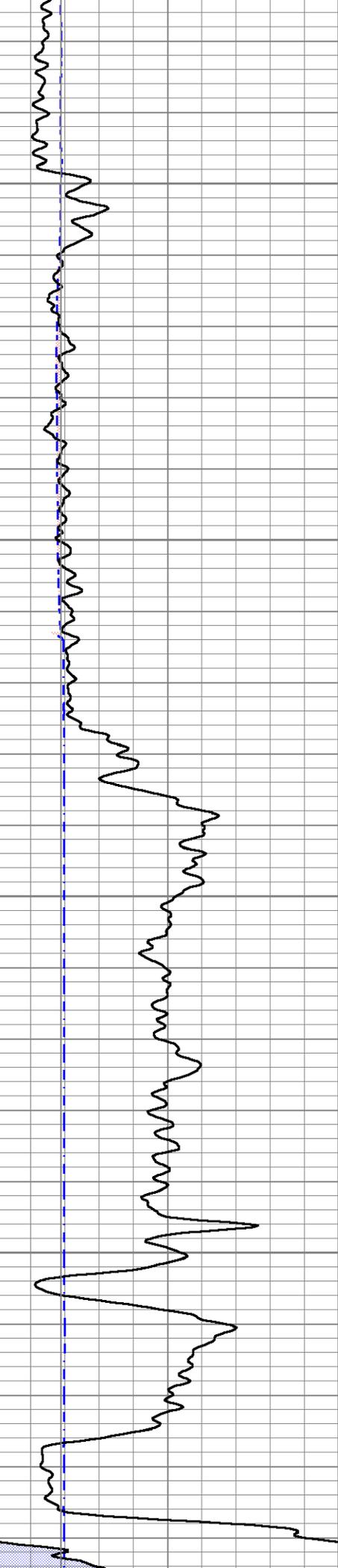
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131.4

121.8

110.7



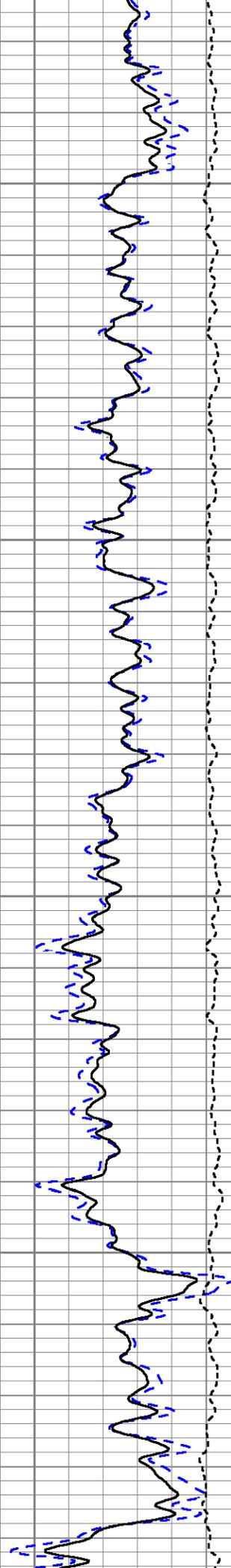
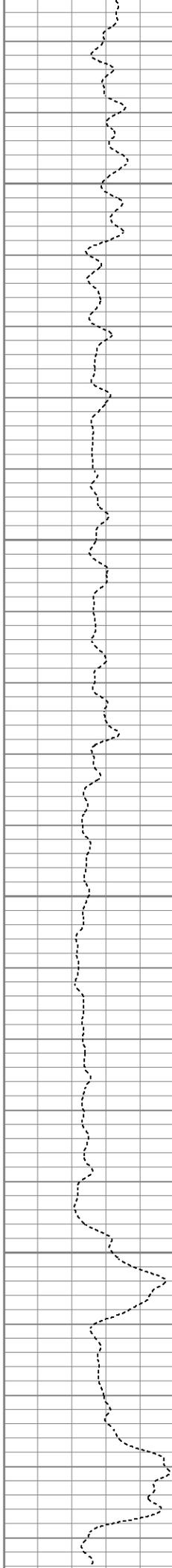


3300

3350

3400

3450

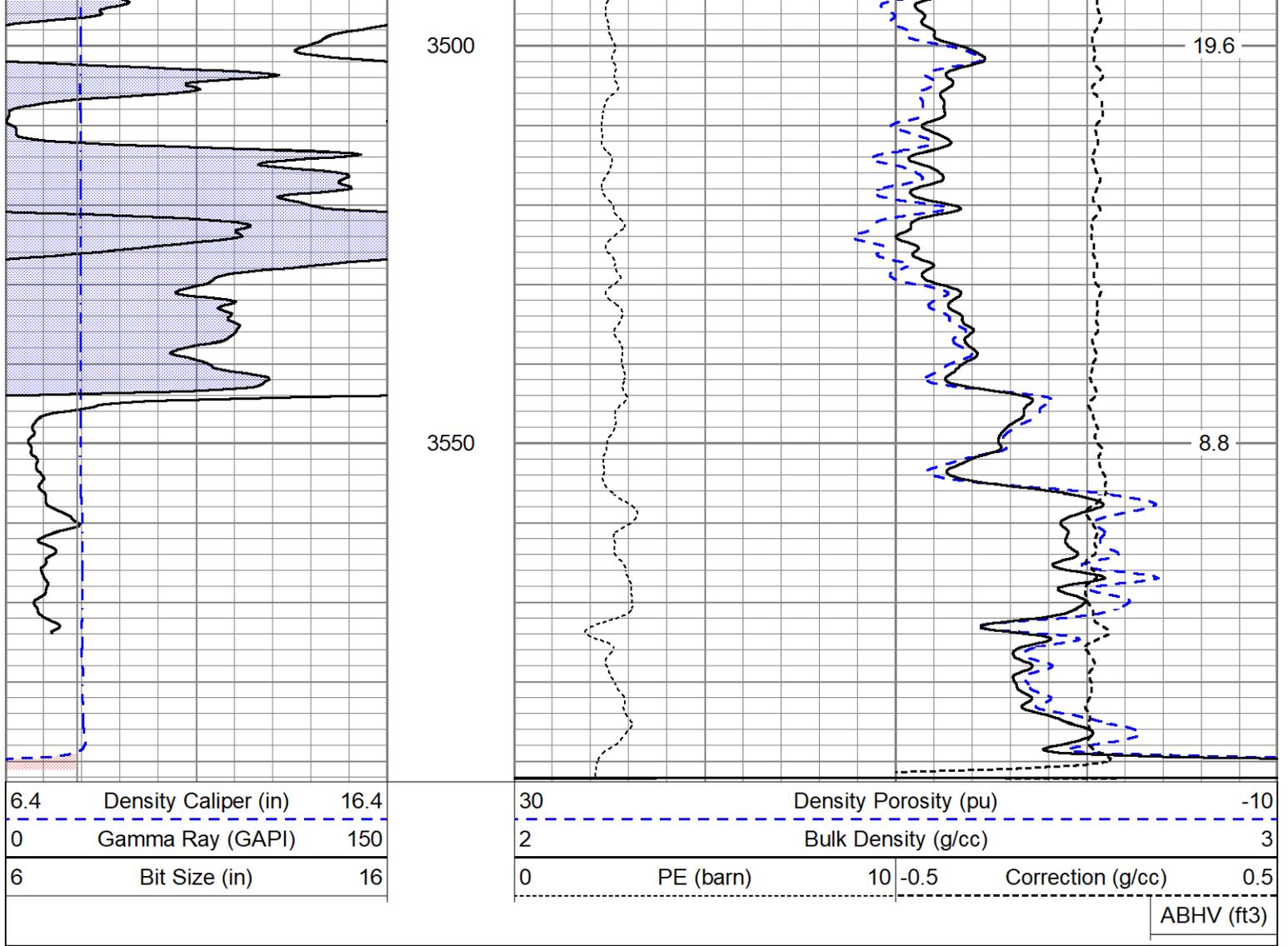


59.9

51.6

41.4

30.5



Calibration Report

Database File ow2-9154 val energy.db
 Dataset Pathname pass3.3
 Dataset Creation Wed Nov 23 19:45:21 2022

Admyr Lithodensity Calibration Report

Serial-Model: 1B-B
 Source: LITHO OW2 63566B
 Master Calibration Performed: Thu Nov 17 11:46:59 2022

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	6819.15	8277.04	cps
Aluminium	2.610	g/cc	1725.05	4343.89	cps
Aluminium+Sleeve	2.616	g/cc	1660.33	4146.48	cps

Spine Angle = 64.87

Density/Spine Ratio = 0.593

	PE		NLITH	NHARD	
Magnesium	1.658	barn	4939.05	4733.81	cps
Aluminium	2.228	barn	1177.57	1286.78	cps
Aluminium+Sleeve	3.107	barn	946.94	1266.94	cps

M = 0.941

B = -0.391

R = 0.991

Size

Reading

Small Ring
Large Ring8.00 in
12.00 in2.82 V
5.60 V

Neutron Calibration Report

Serial Number: ADMYR1
 Tool Model: ADDON
 Performed: Sat Jul 23 18:24:33 2022

Calibrator Values: 0 30
 Calibrator Readings: 820 280 cps

Sensitivity: -0.0555556 /cps

Inclinometer Calibration Report

Performed: Thu Oct 8 13:57:38 2020

	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

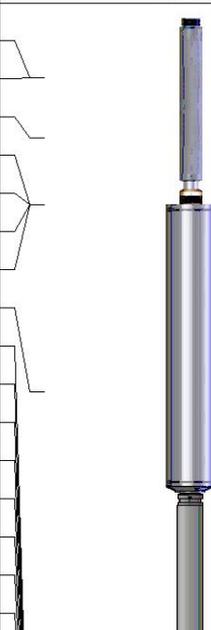
Gamma Ray Calibration Report

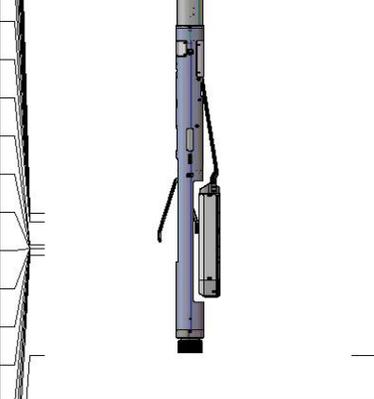
Serial Number: Refurb01
 Tool Model: OSAGE_01
 Performed: Mon Jan 18 09:02:16 2021

Calibrator Value: 150.0 GAPI

Background Reading: 125.0 cps
 Calibrator Reading: 875.0 cps

Sensitivity: 0.2000 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
ACCY	17.83		ADMYR_TELEMETRY-OSAGE_01 (Refurb01) 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		NEU-ADDON (ADMYR1) Inline Neutron	5.65	3.38	84.00
SSTAT	15.33					
PSTAT	15.33					
ASTAT	15.33					
NEU	11.66					
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		ADT1LITH-B (1B)	9.69	4.25	238.00
NLITH	2.63					
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	Dataset: ow2-9154 val energy.db: field/well/run1/pass3.2 Total length: 19.02 ft Total weight: 375.00 lb O.D.: 4.25 in				
SS2	2.08					
SS1	2.08					
SSV	1.96					
TP Man	0.00					