



LITHO DENSITY
NEUTRON LOG

Company VAL ENERGY INC
 Well J.O. # 4-35
 Field ALBRIGHT
 County COWLEY
 State KANSAS

Location: API #: 15-035-73789-00-00
 1757 FWL & 805FWL
 SW/4
 SEC 35 TWP 33S RGE 5E
 Permanent Datum GL Elevation 1230
 Log Measured From KB
 Drilling Measured From KB
 Other Services
 ILD
 MICRO
 Elevation
 K.B. 1239
 D.F. 1238
 G.L. 1230

Date	9-15-2023
Run Number	ONE
Depth Driller	3300
Depth Logger	3301
Bottom Logged Interval	3298
Top Log Interval	SURFACE
Casing Driller	8.625" @ 209
Casing Logger	8.625" @ 209
Bit Size	7.875"
Type Fluid in Hole	MUD
Density / Viscosity	9.2 / 58
pH / Fluid Loss	11.5 / 8.8
Source of Sample	PIT
Rm @ Meas. Temp	1.6 @ 70
Rmf @ Meas. Temp	1.2 @ 70
Rmc @ Meas. Temp	2.1 @ 70
Source of Rmf / Rmc	CALCULATED
Rm @ BHT	1.1 @ 105
Time Circulation Stopped	6:00 AM
Time Logger on Bottom	10:00 AM
Maximum Recorded Temperature	105
Equipment Number	OW2
Location	HOMINY, OK
Recorded By	MACKAY
Witnessed By	MR. WOLFE
	KIDD

<<< Fold Here >>>

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 # OW1-9219 VAL ENERGY
THANK YOU FOR USING OSAGE WIRELINE

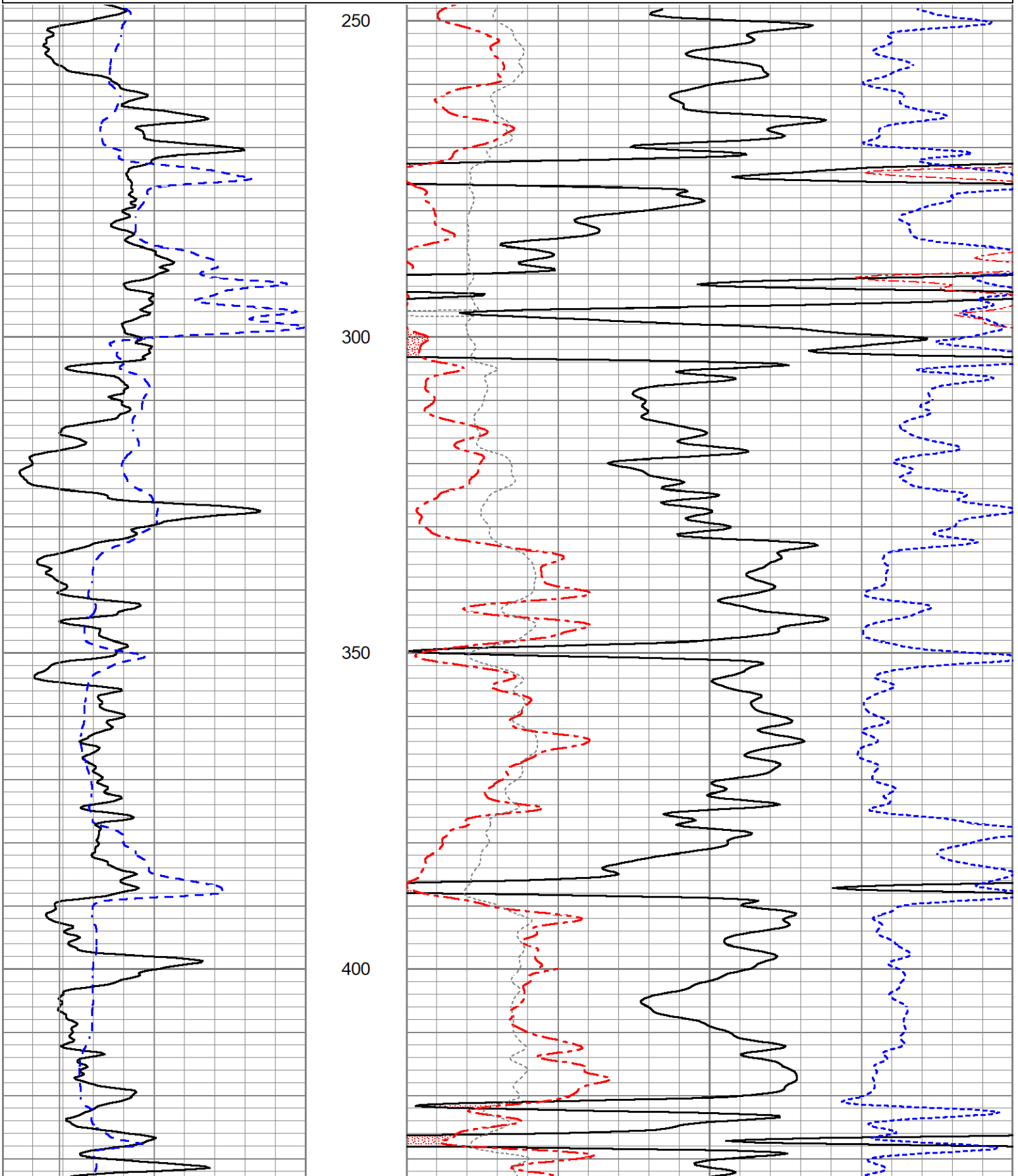


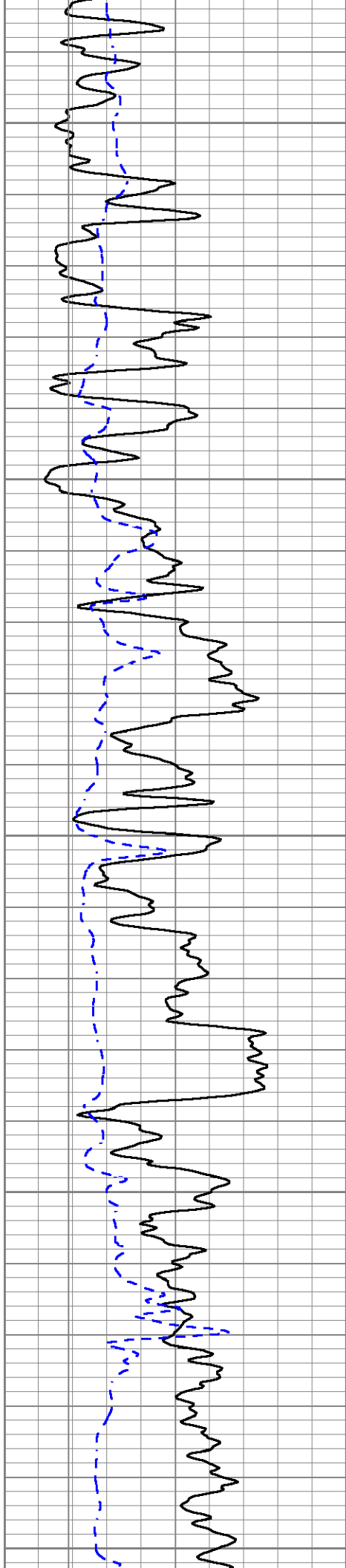
5" DENSITY NEUTRON LOG

Database File ow1-9219 val energy.db
 Dataset Pathname pass4.3
 Presentation Format stcdIn-6-16_5
 Dataset Creation Fri Sep 15 12:49:27 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





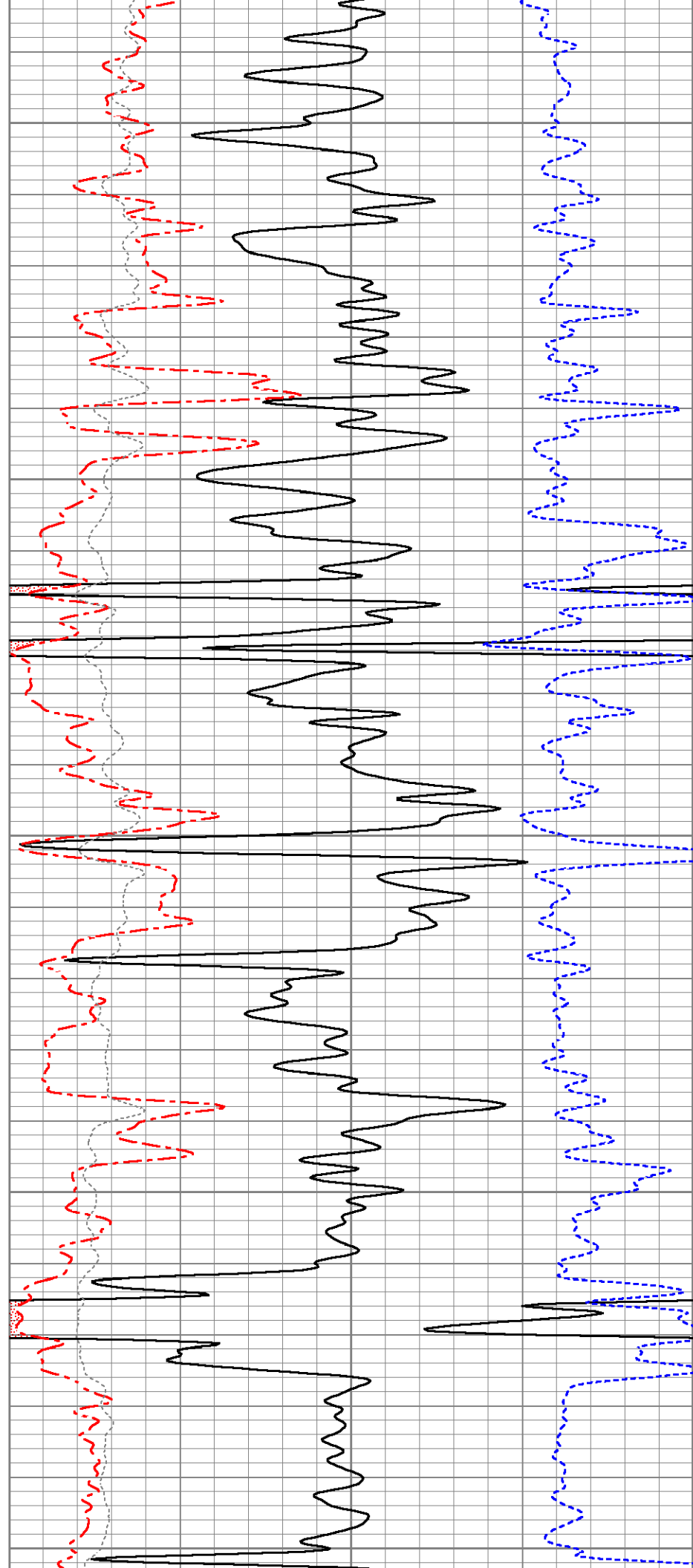
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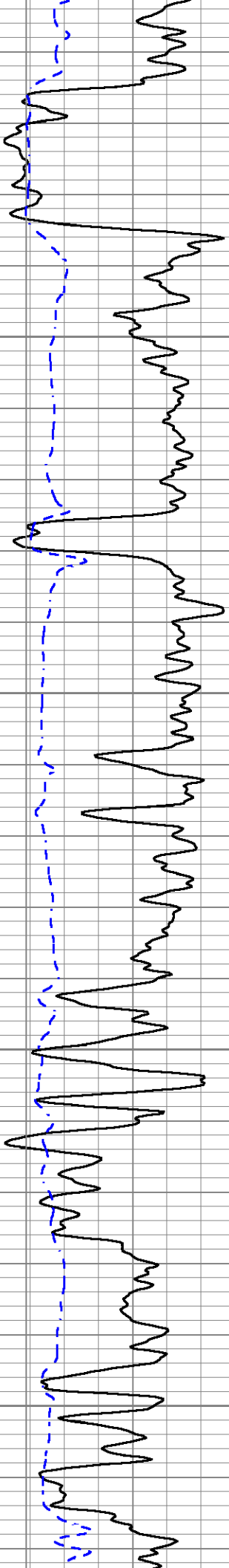
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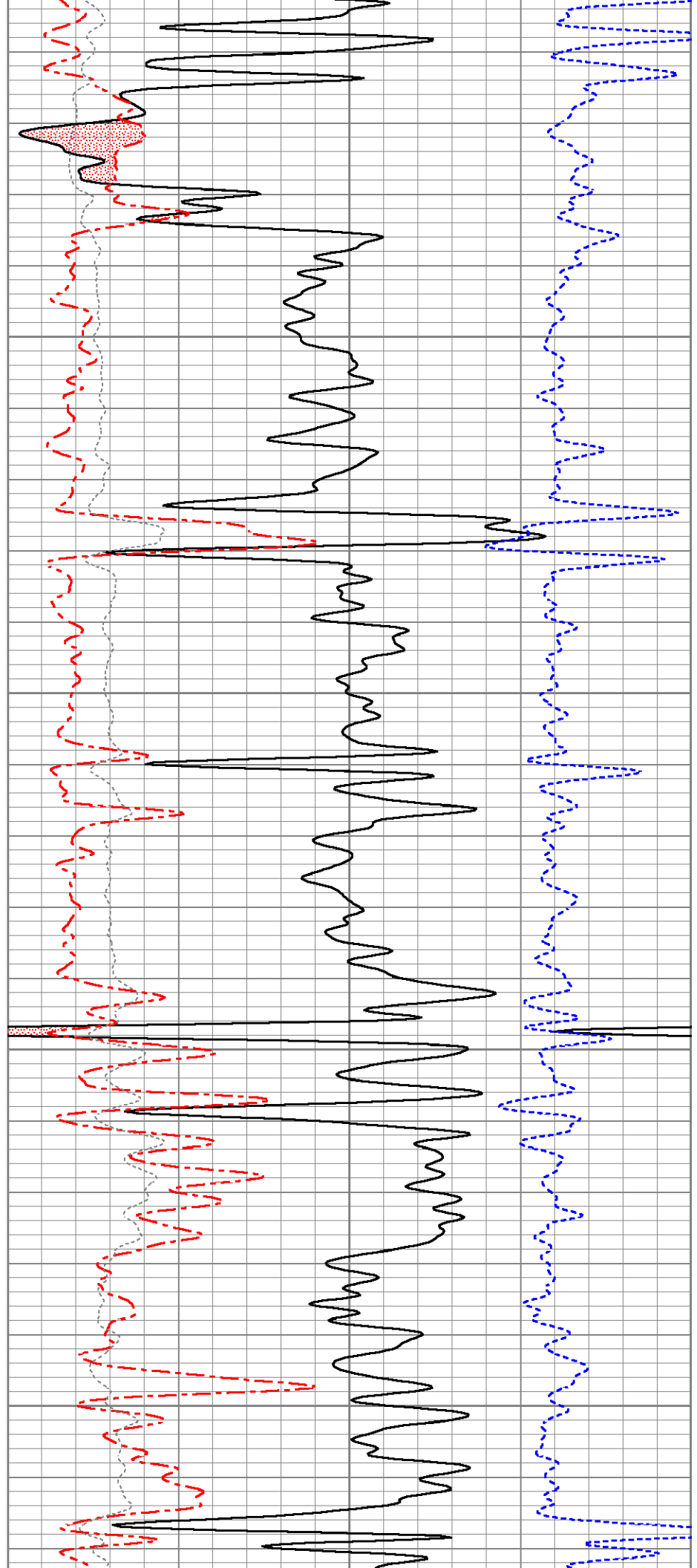


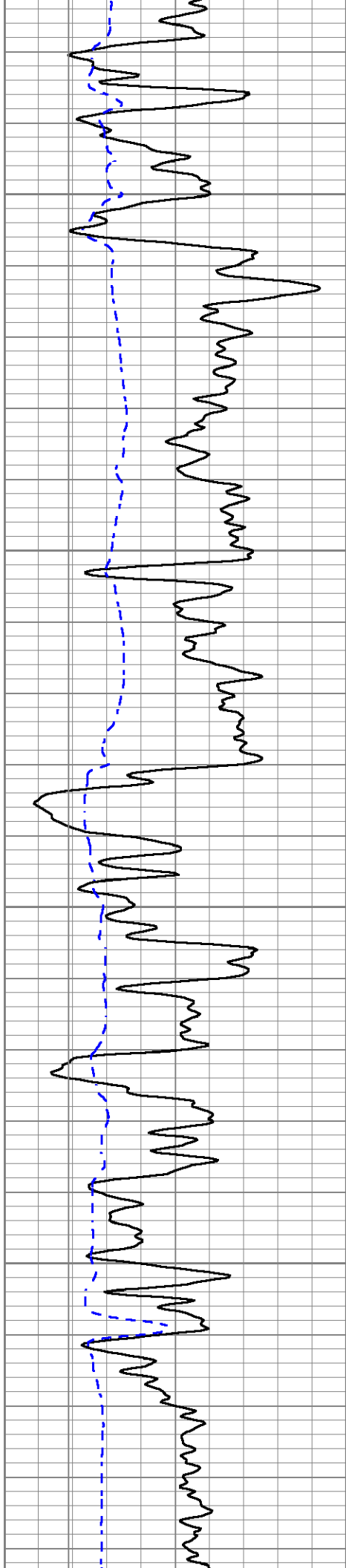
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750

800

850



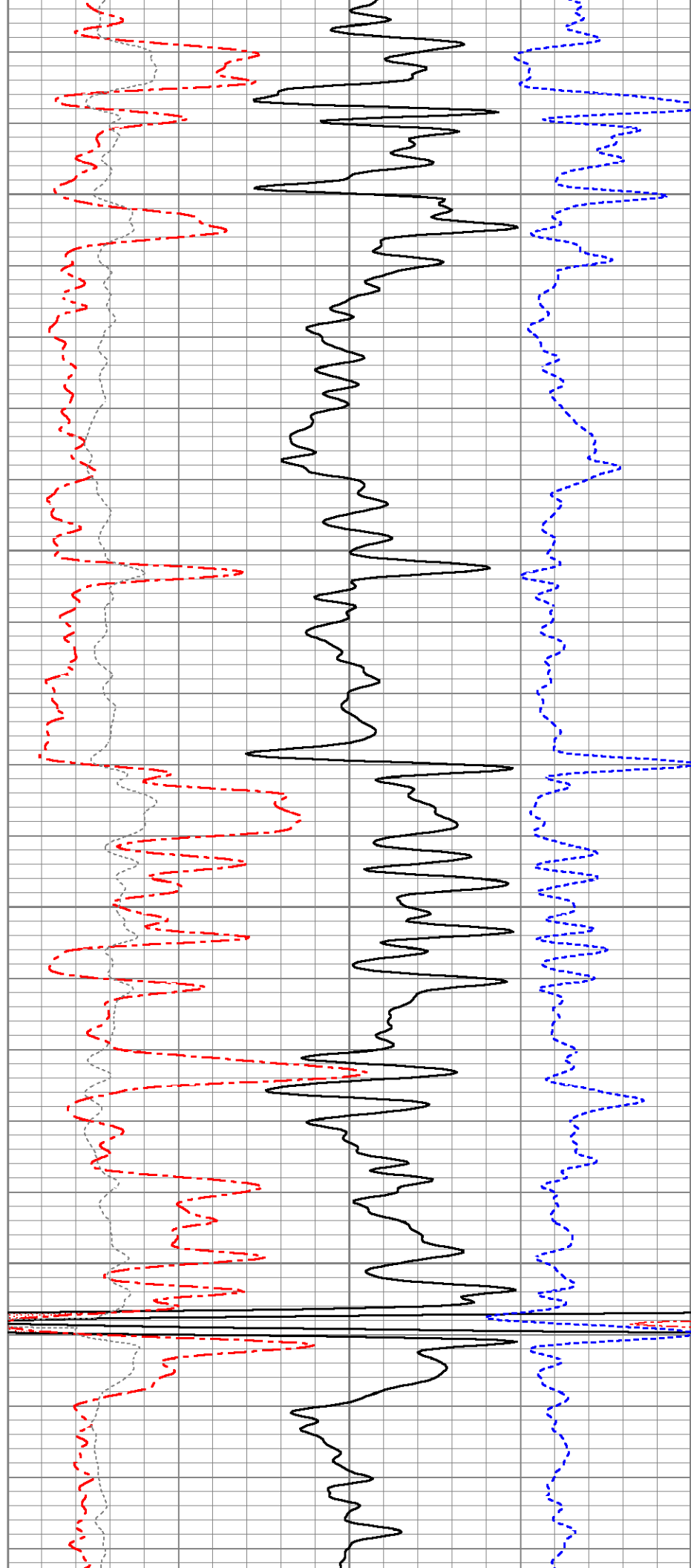


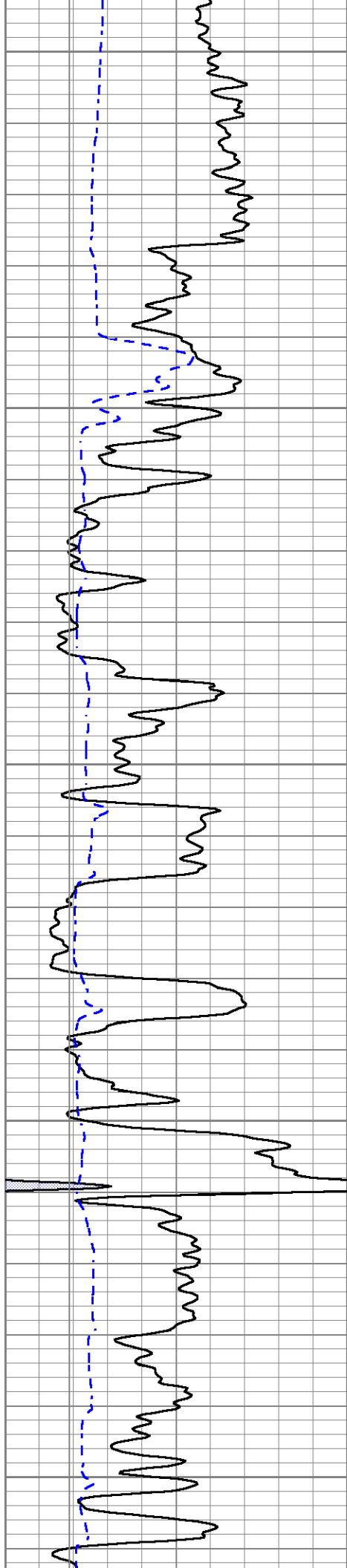
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950

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1050





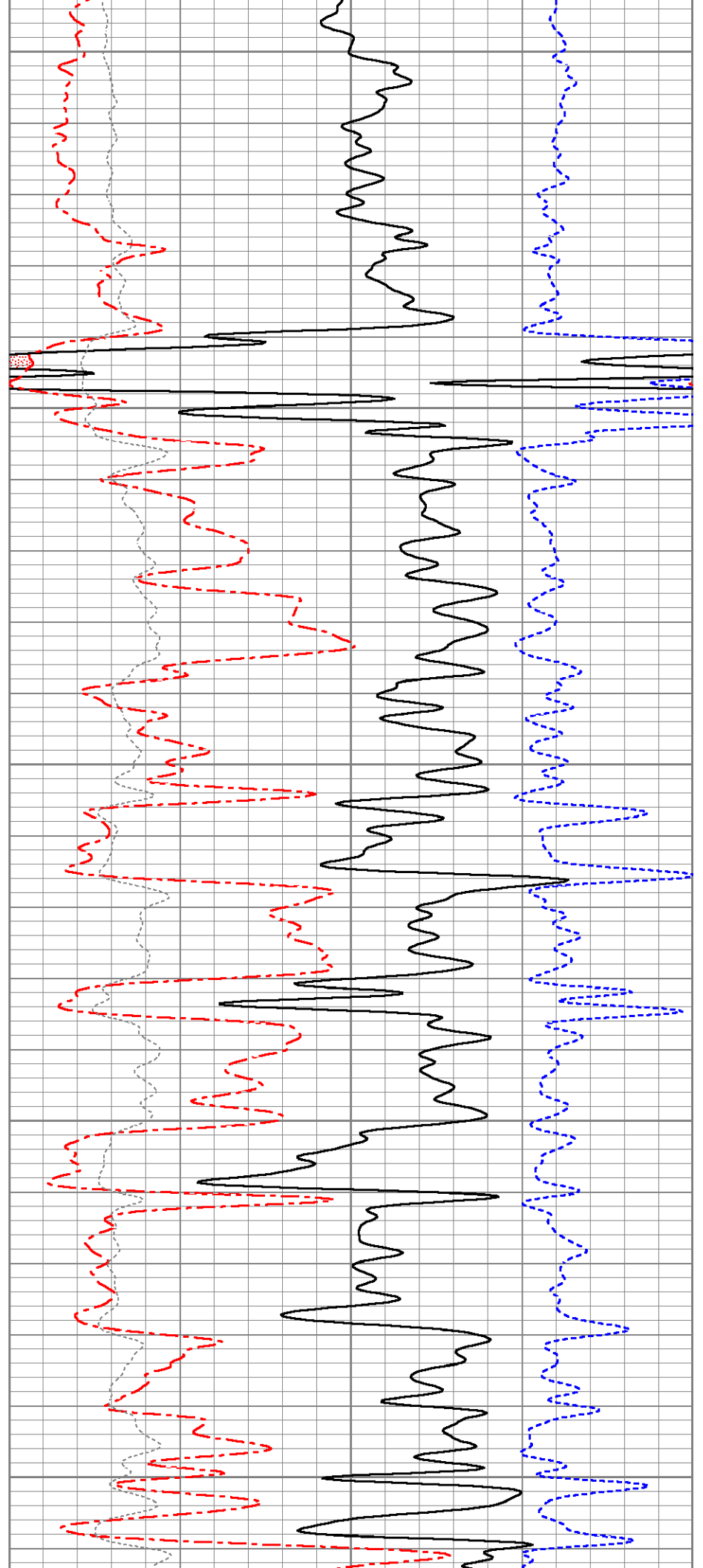
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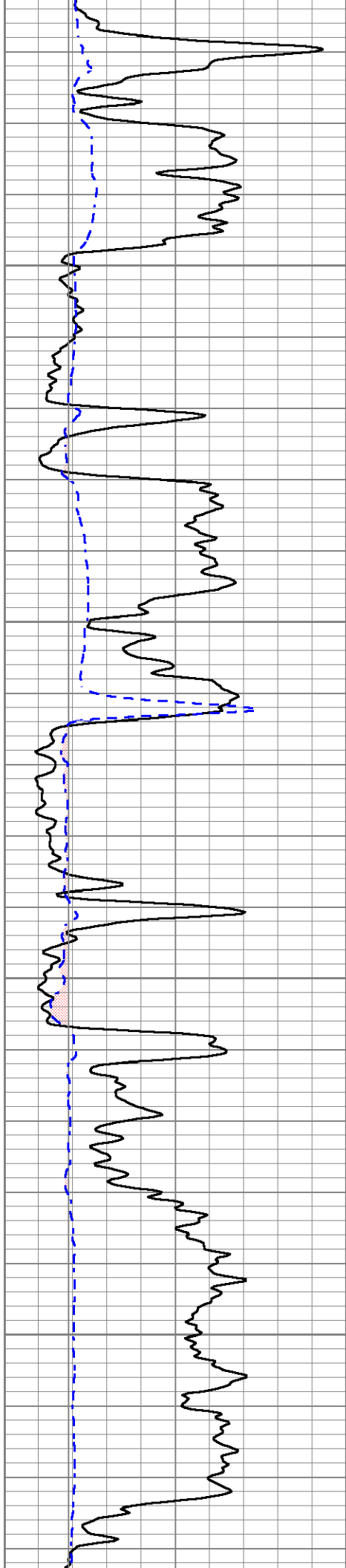
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1250

1300



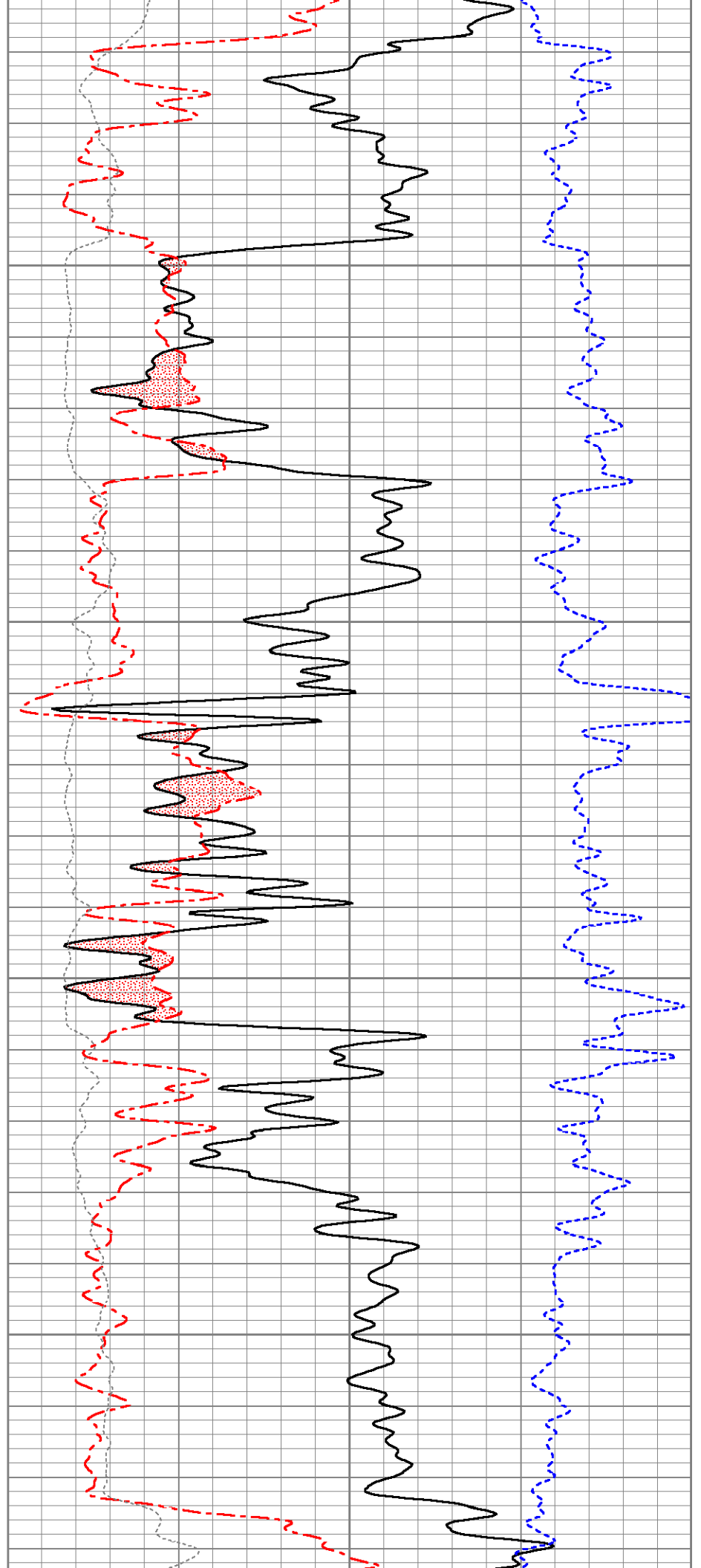


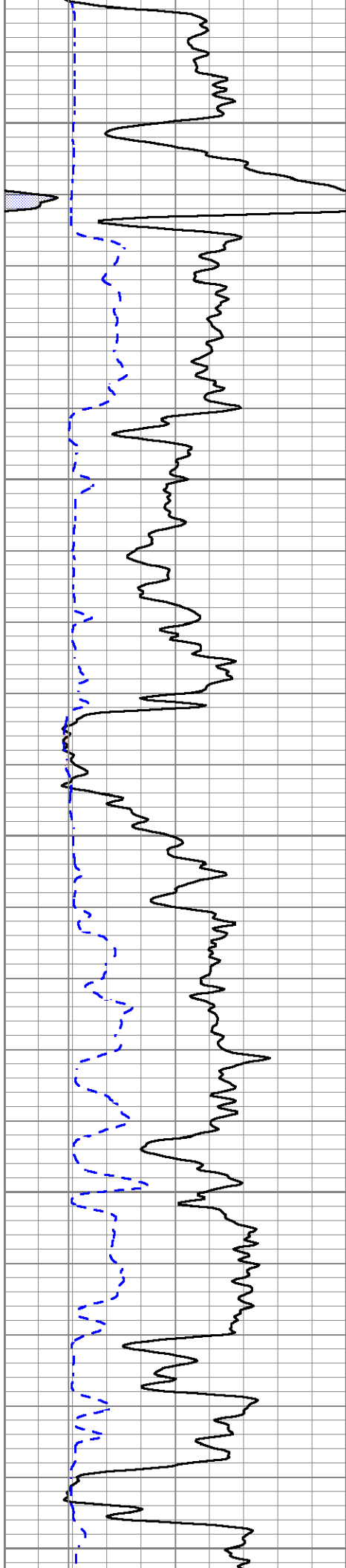
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1450

1500





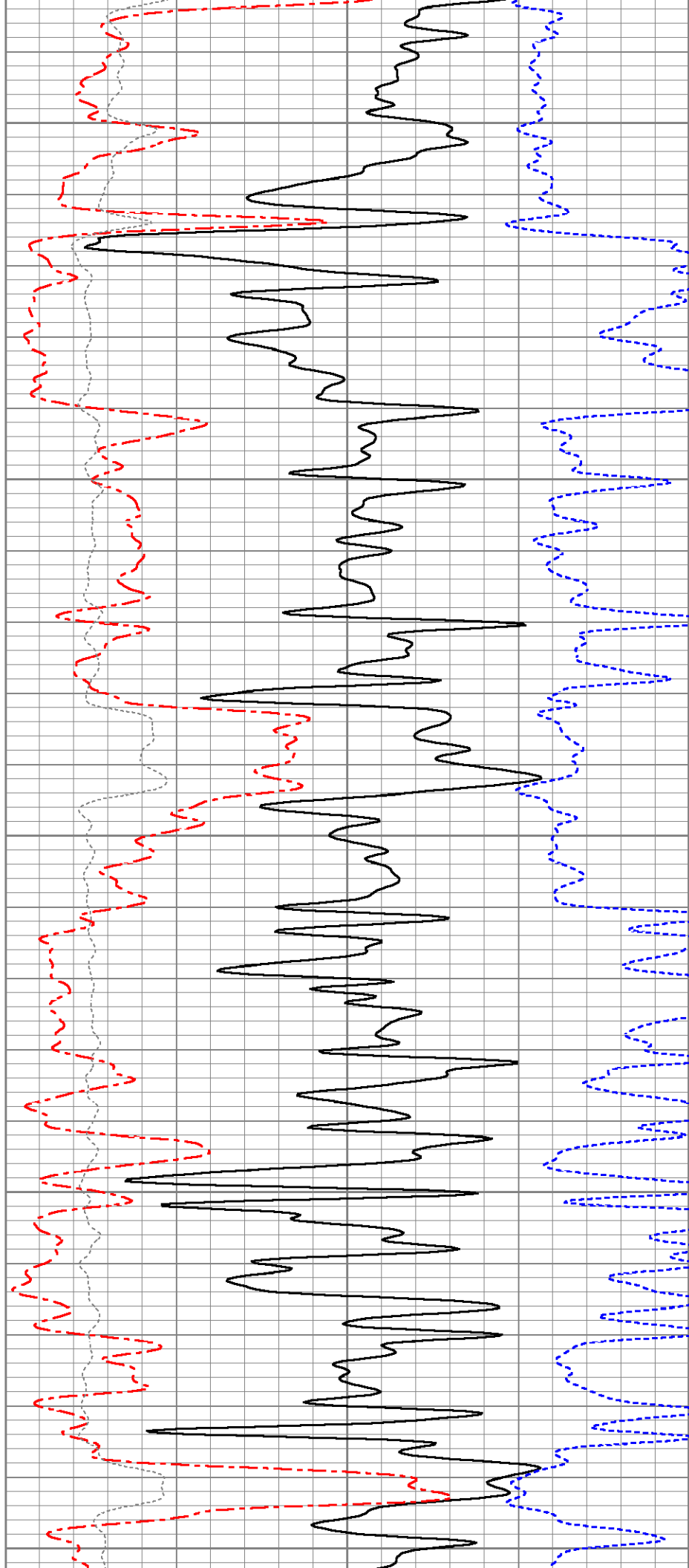
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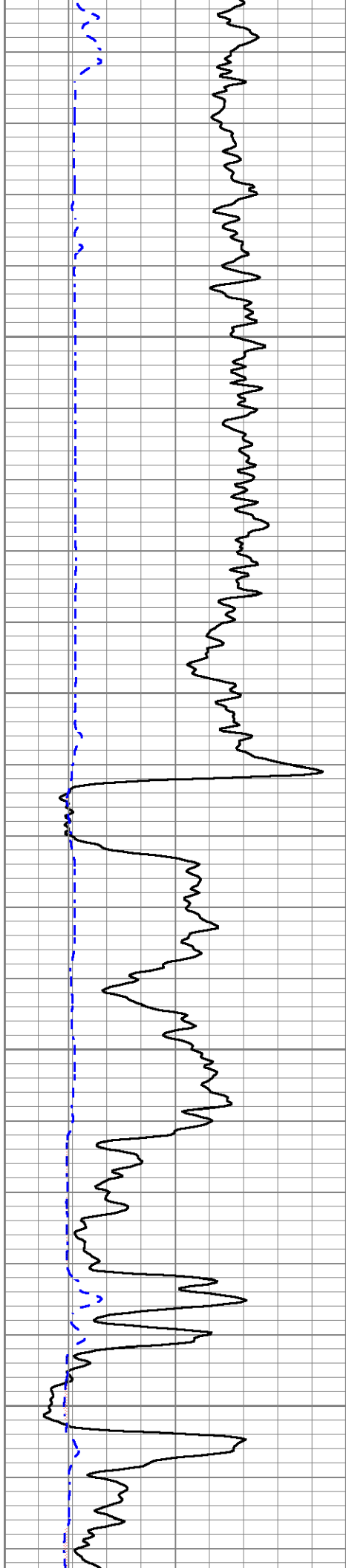
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1750



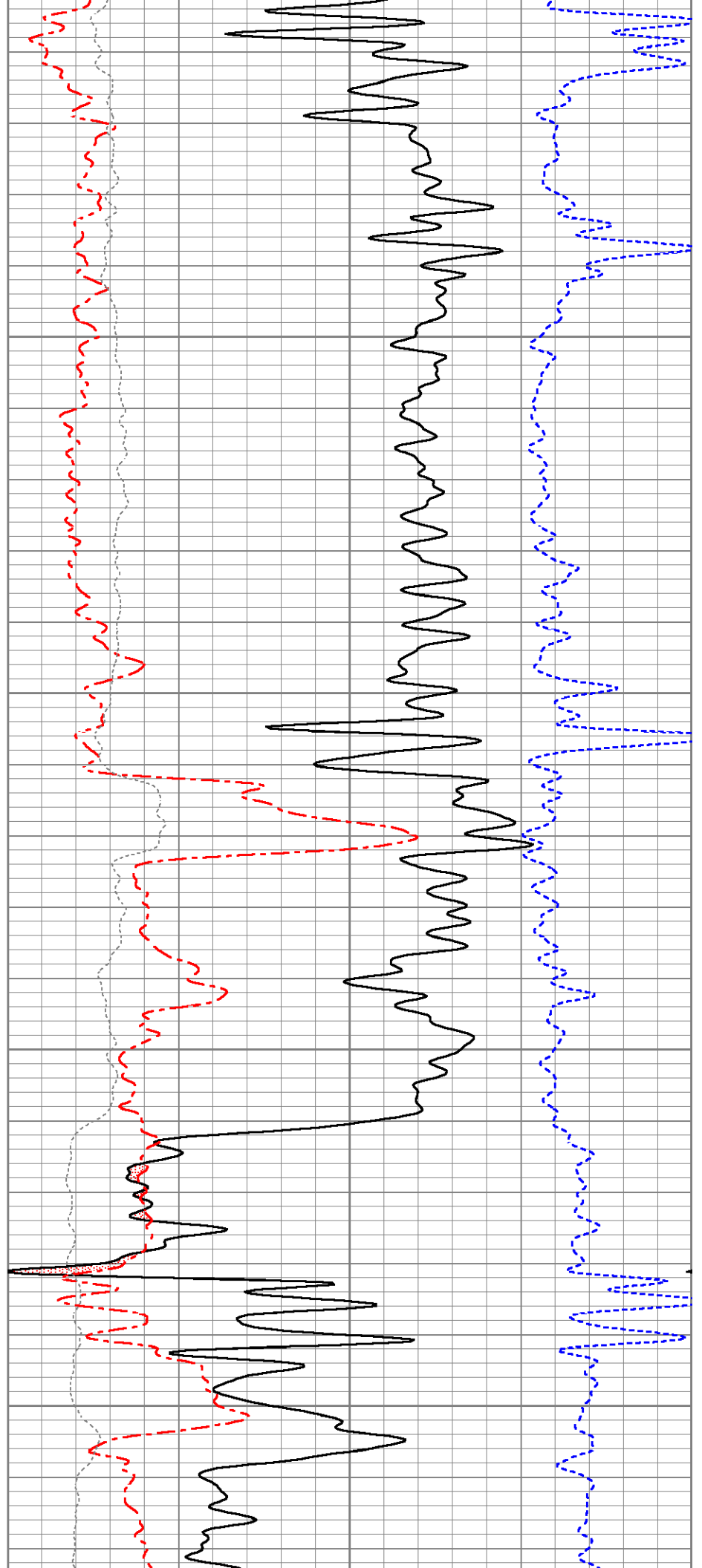


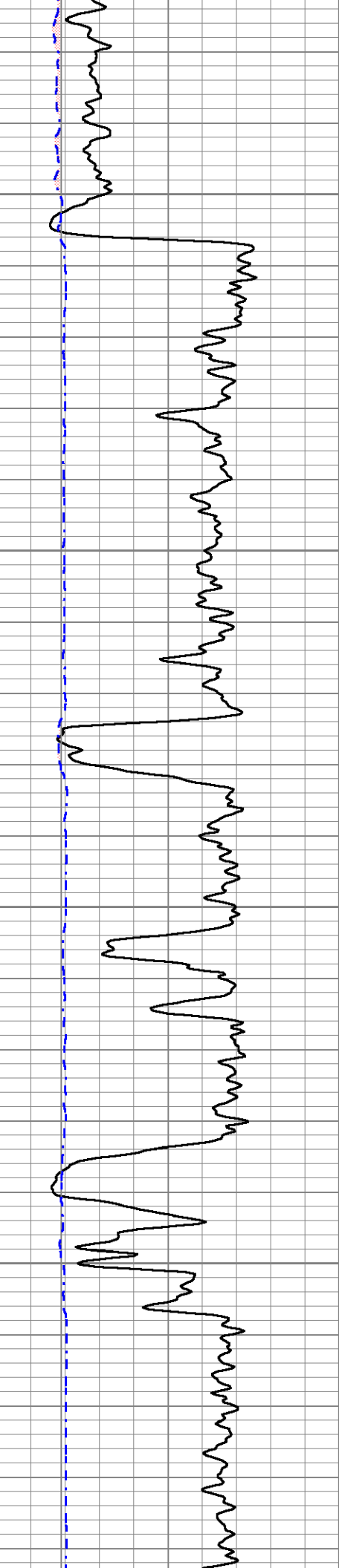
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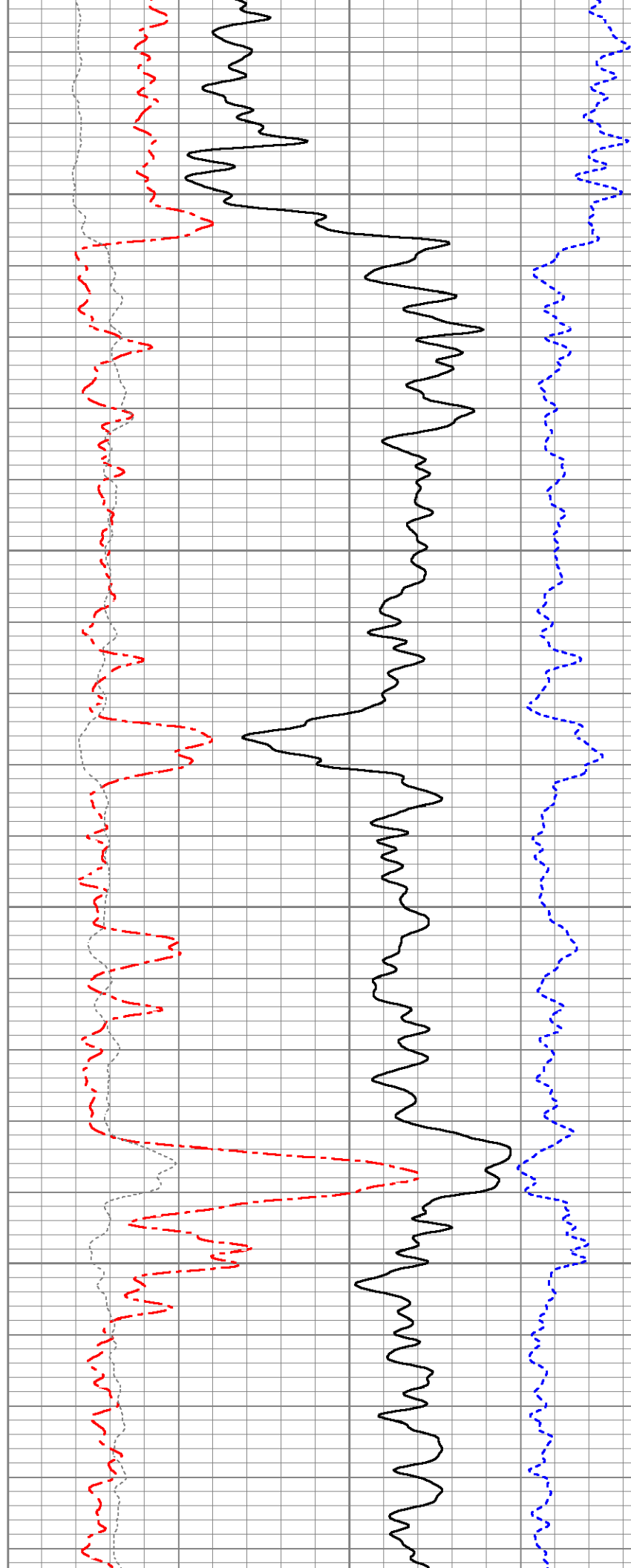


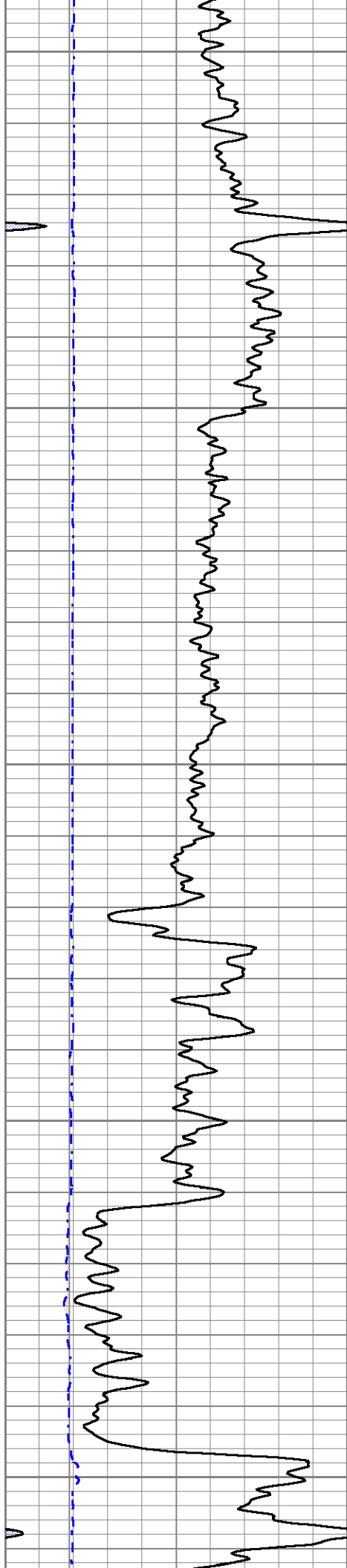
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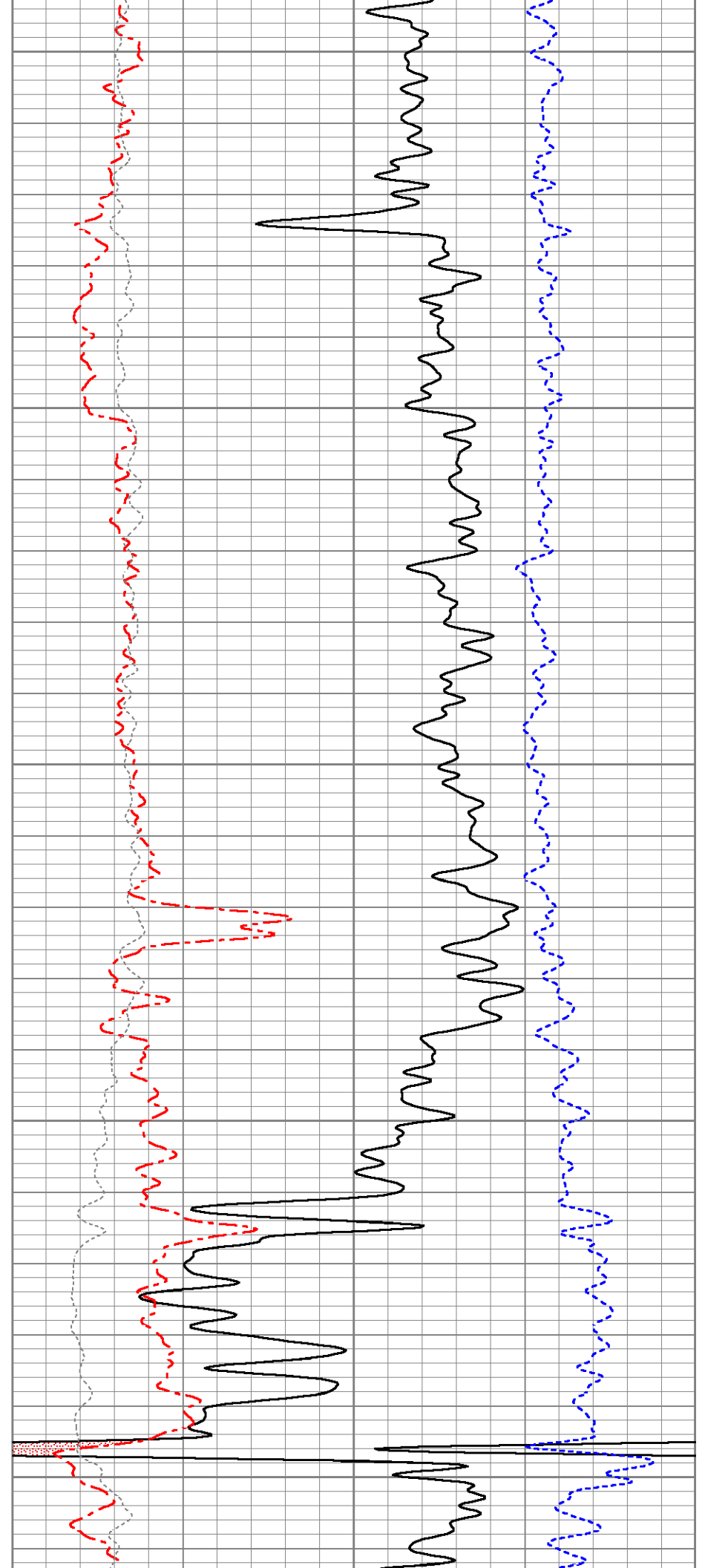
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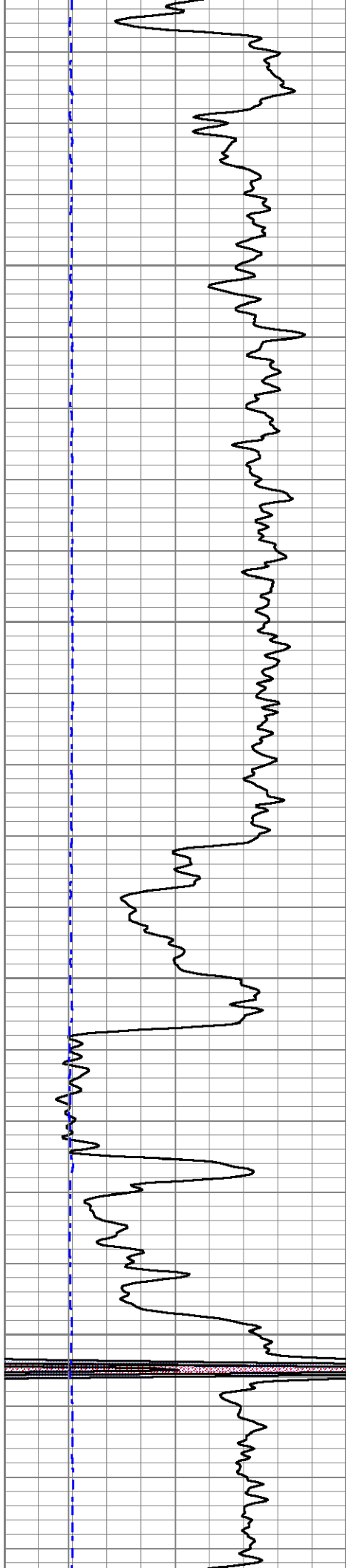
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2400



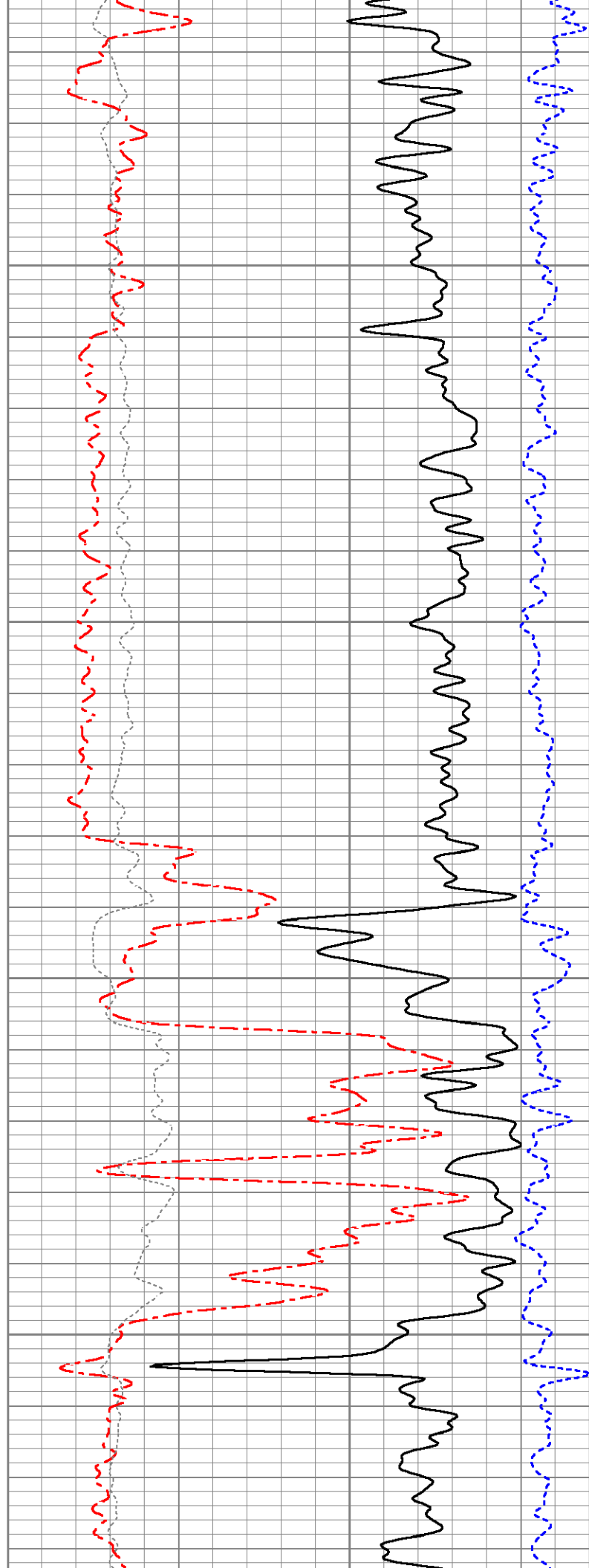


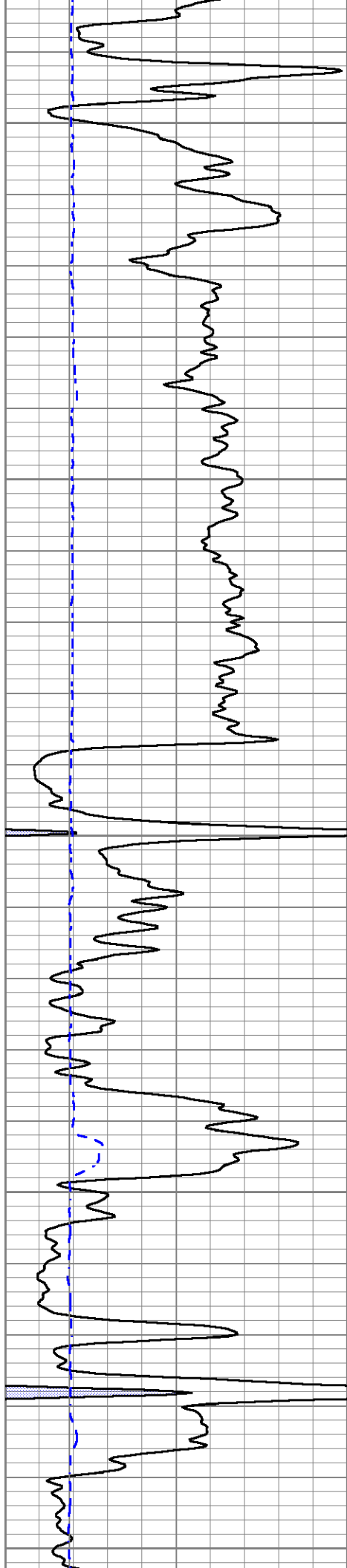
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2600





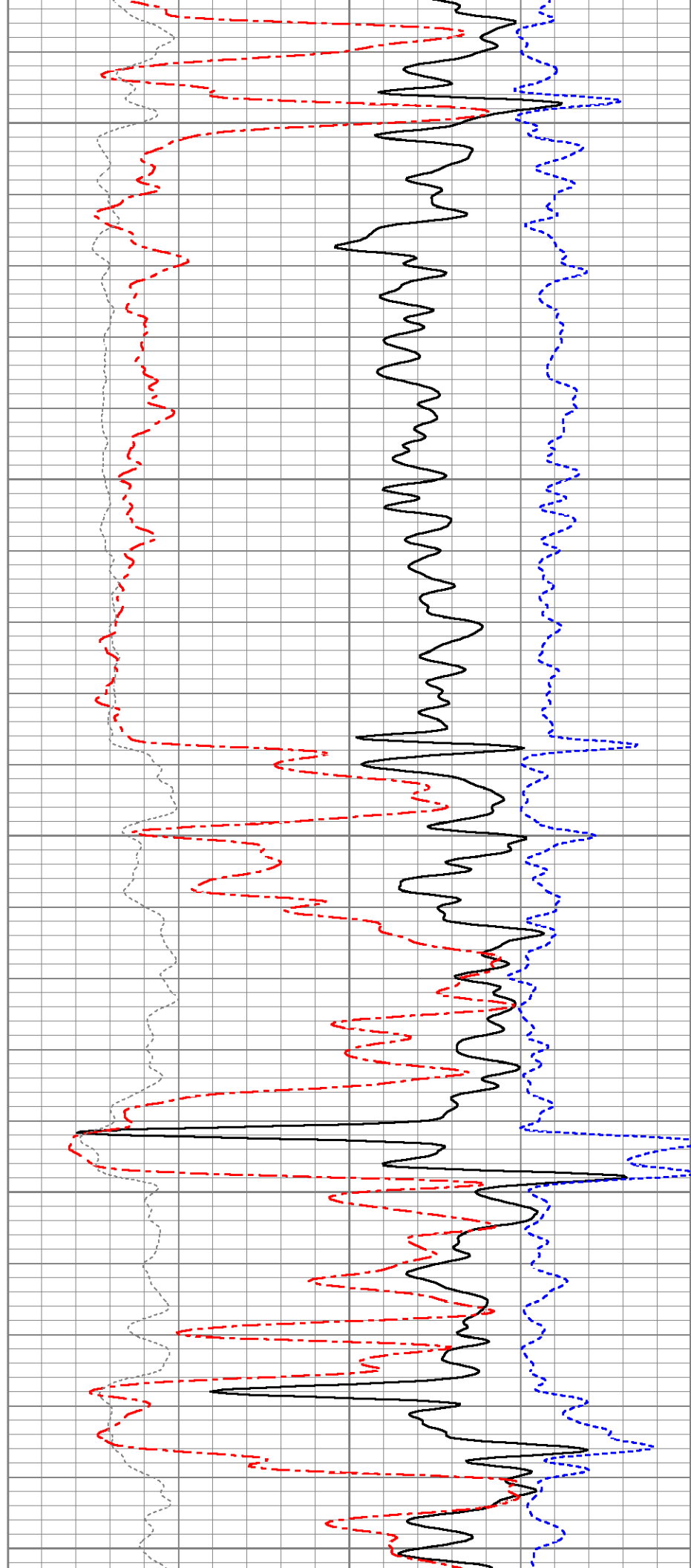
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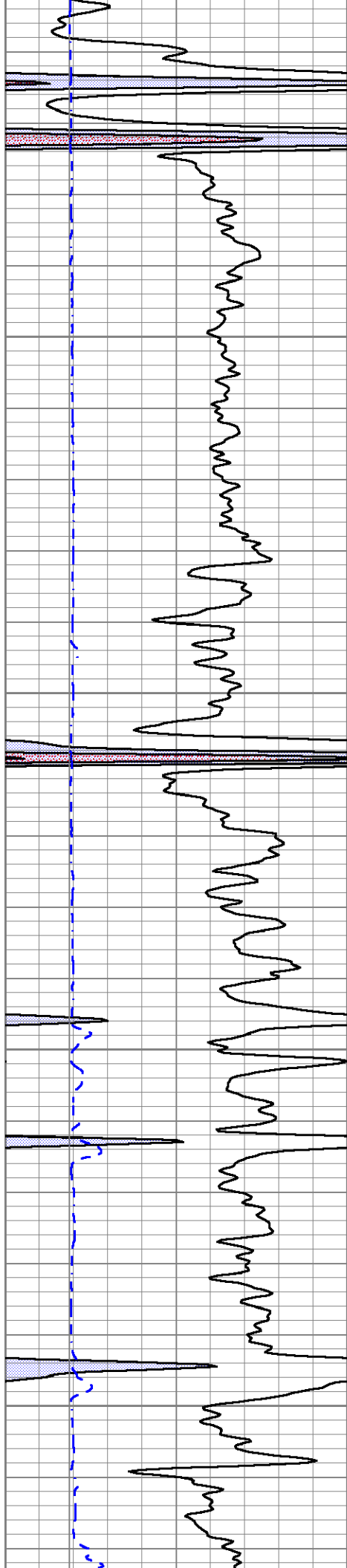
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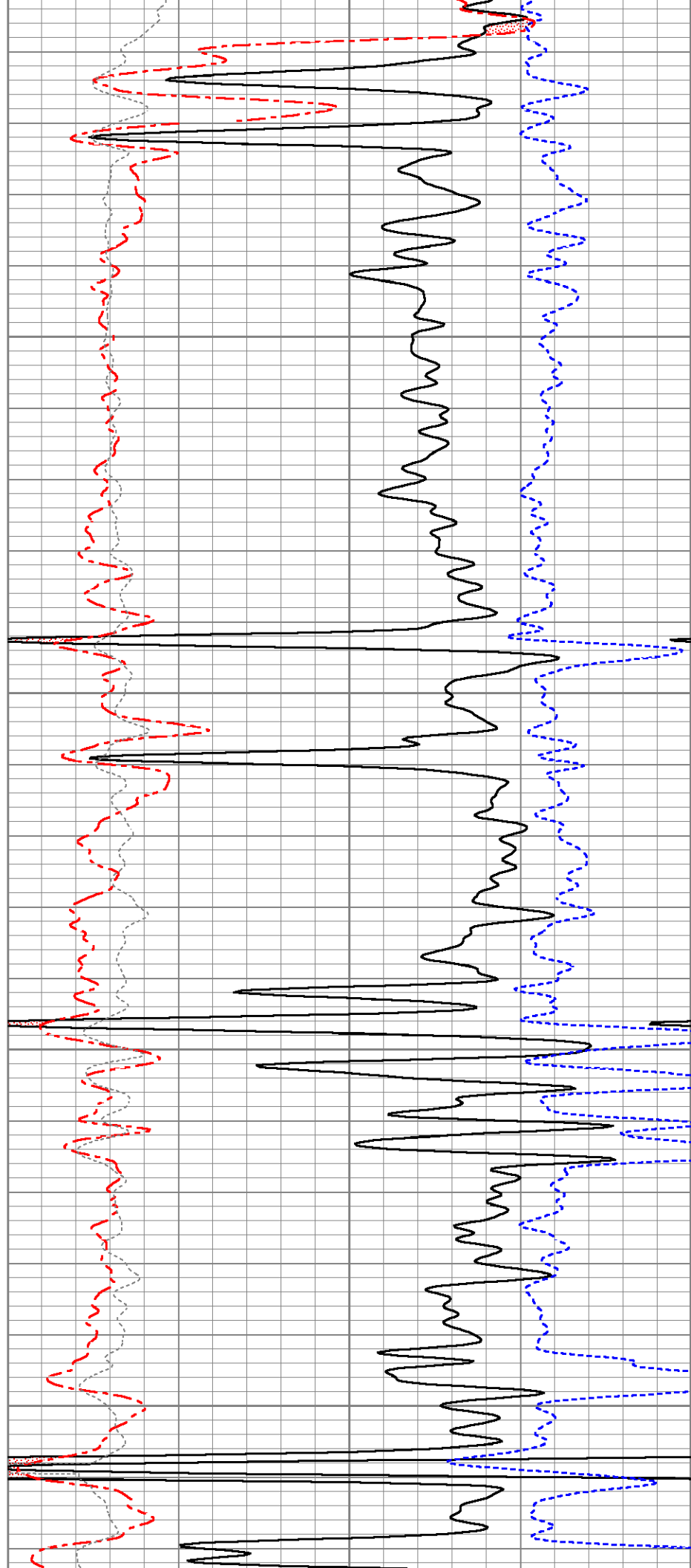


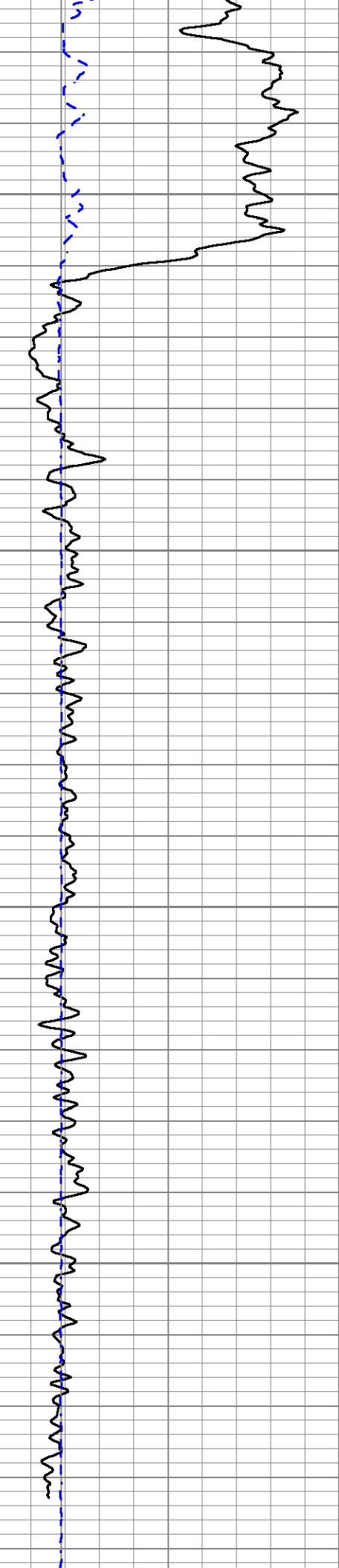
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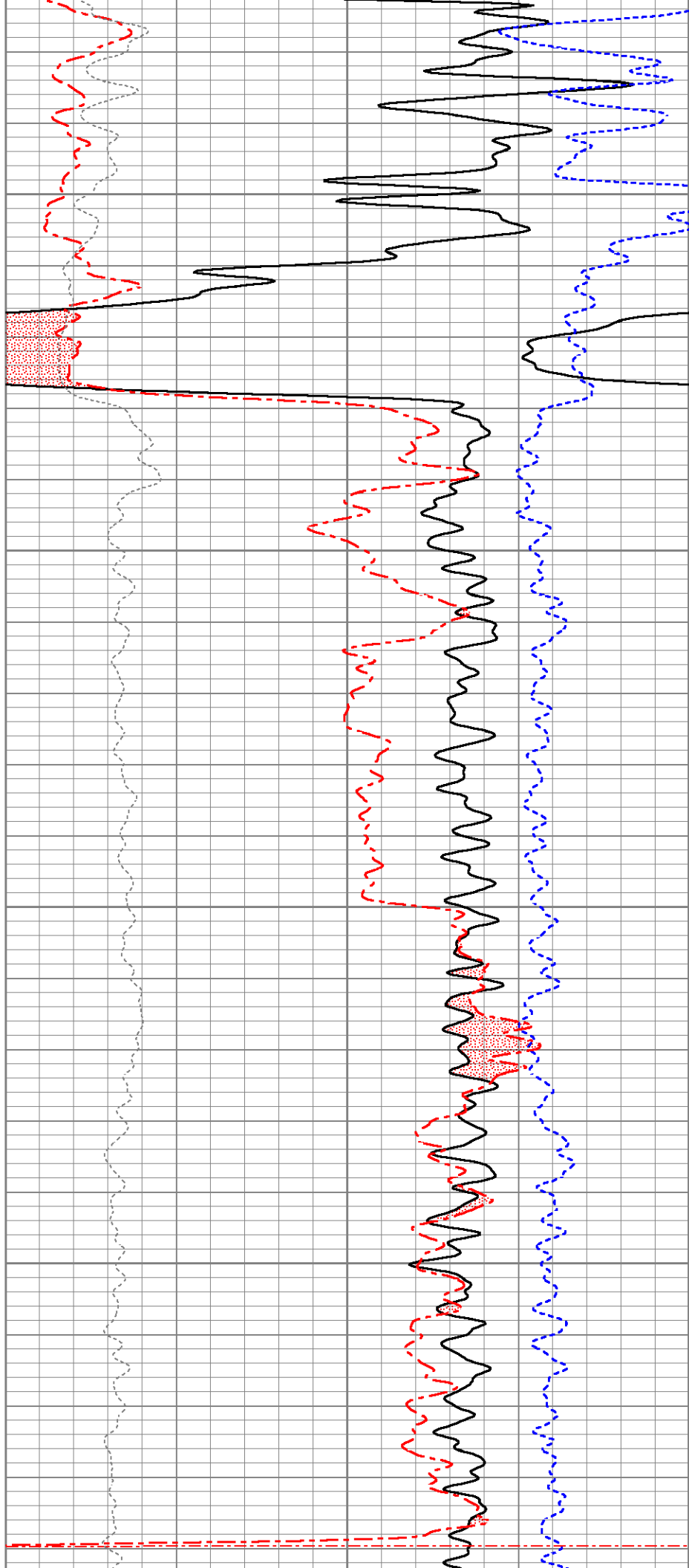


3100

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

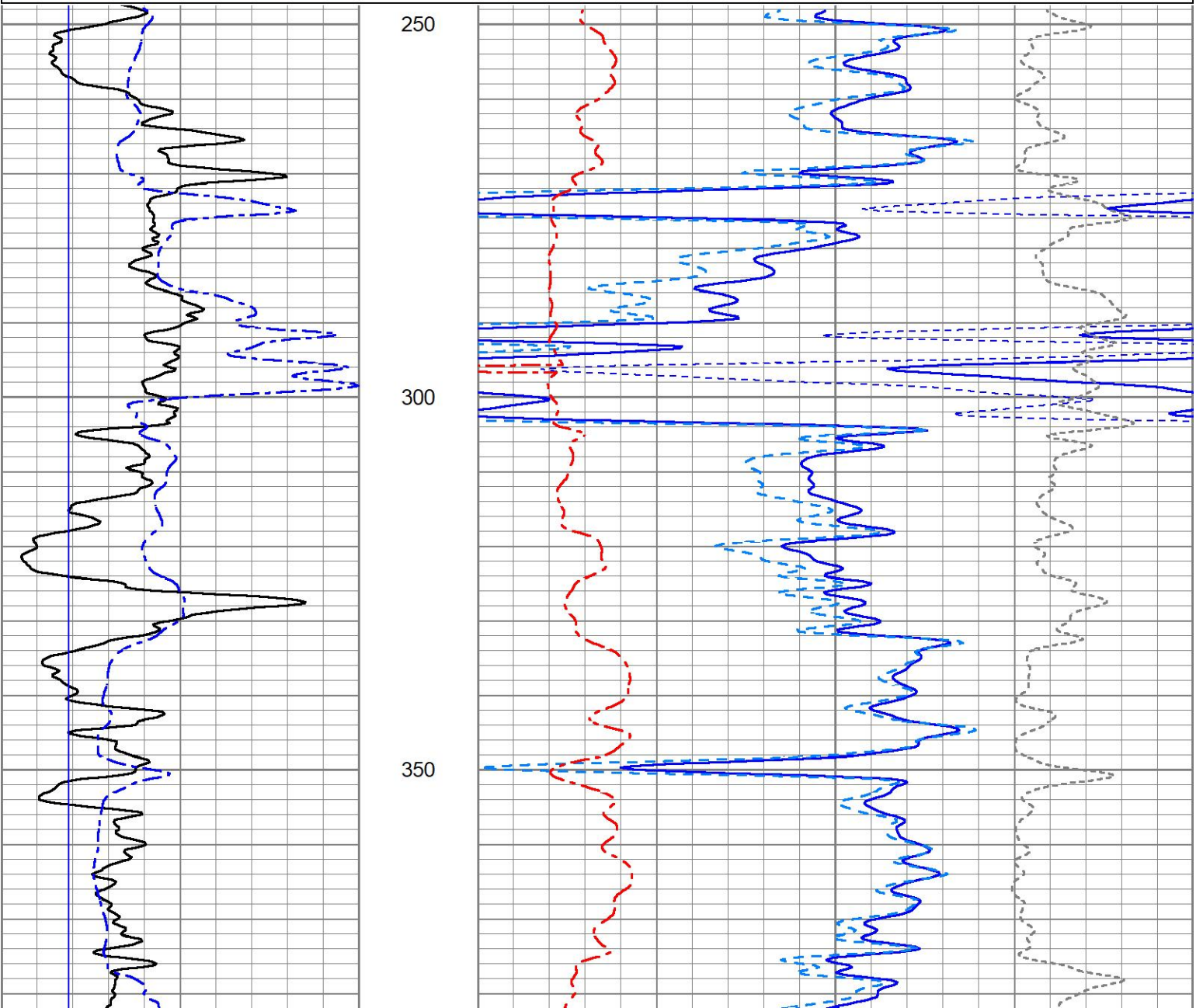


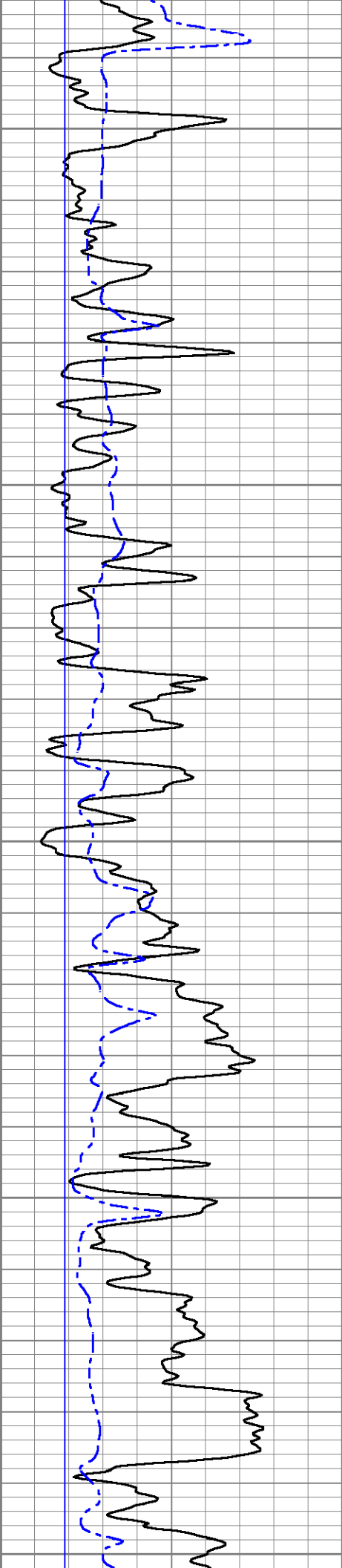
5" LITHO DENSITY LOG

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 Dataset Creation Fri Sep 15 12:48:47 2023
 Charted by Depth in Feet scaled 1:240

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6	Bit Size (in)	16
6	Density Caliper (in)	16

2	Bulk Density (g/cc)	3
30	Density Porosity (pu)	-10
0	Photo Electric (barn)	10
-0.5	Correction (g/cc)	0.5





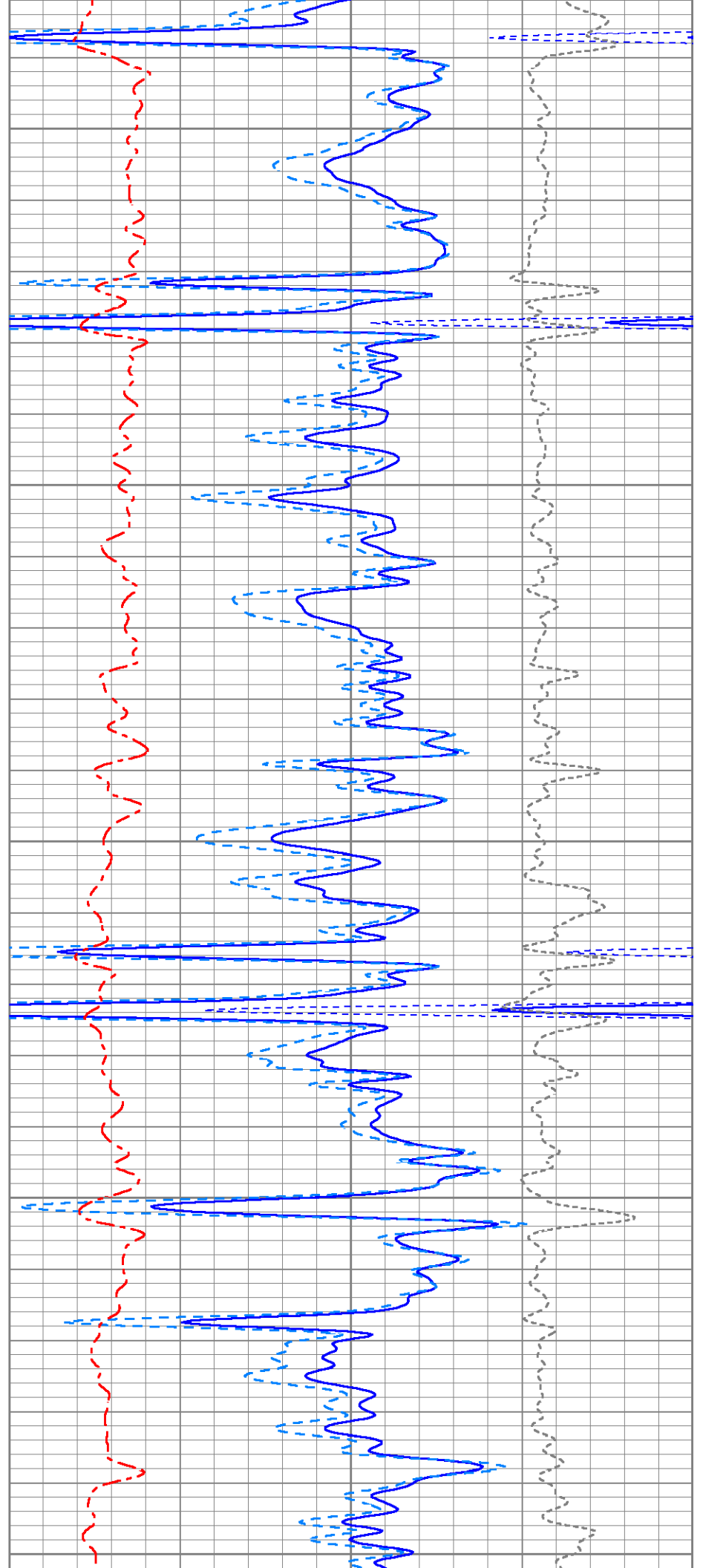
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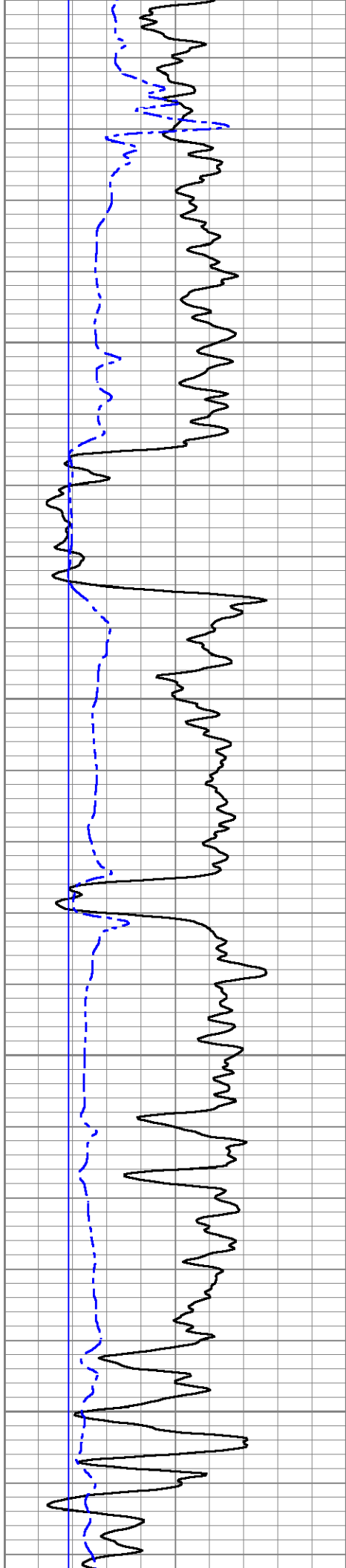
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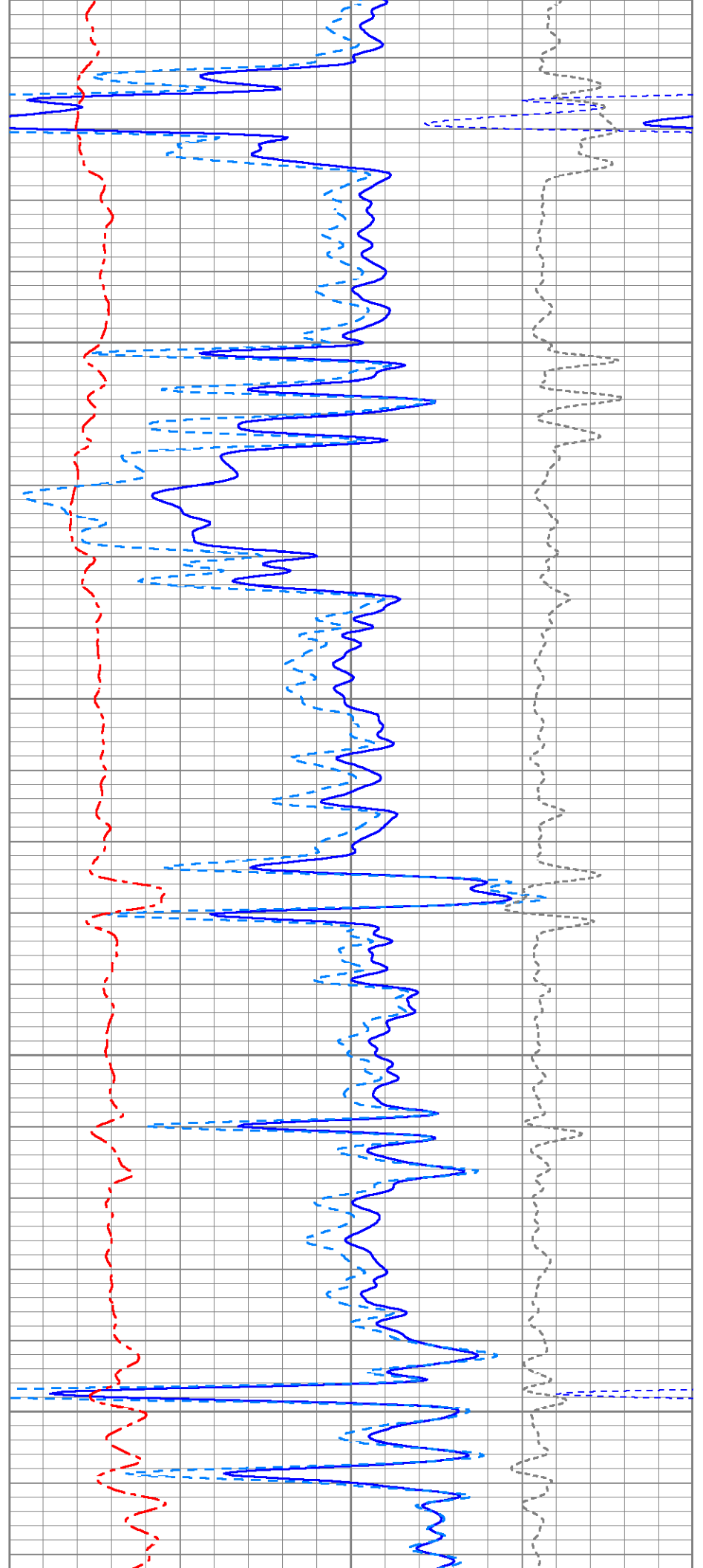


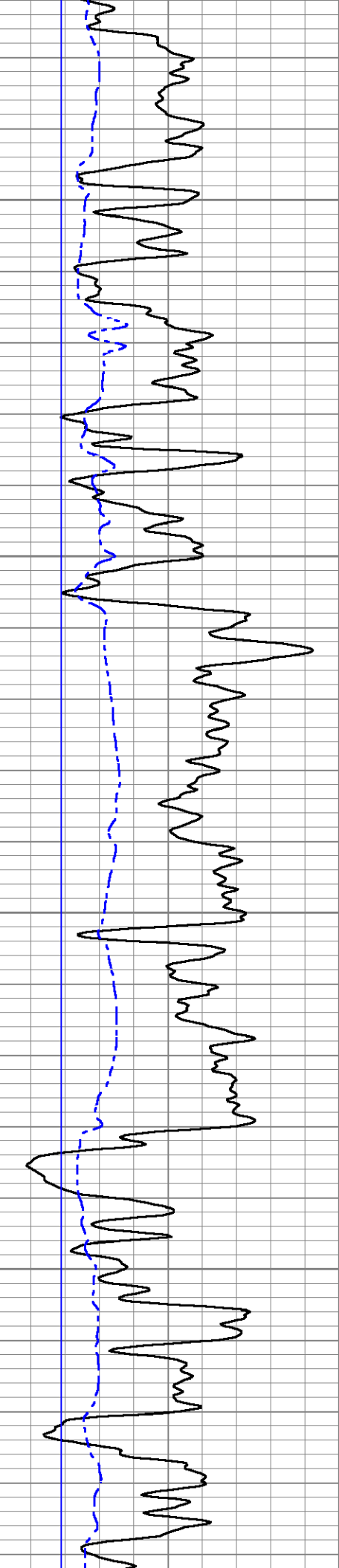
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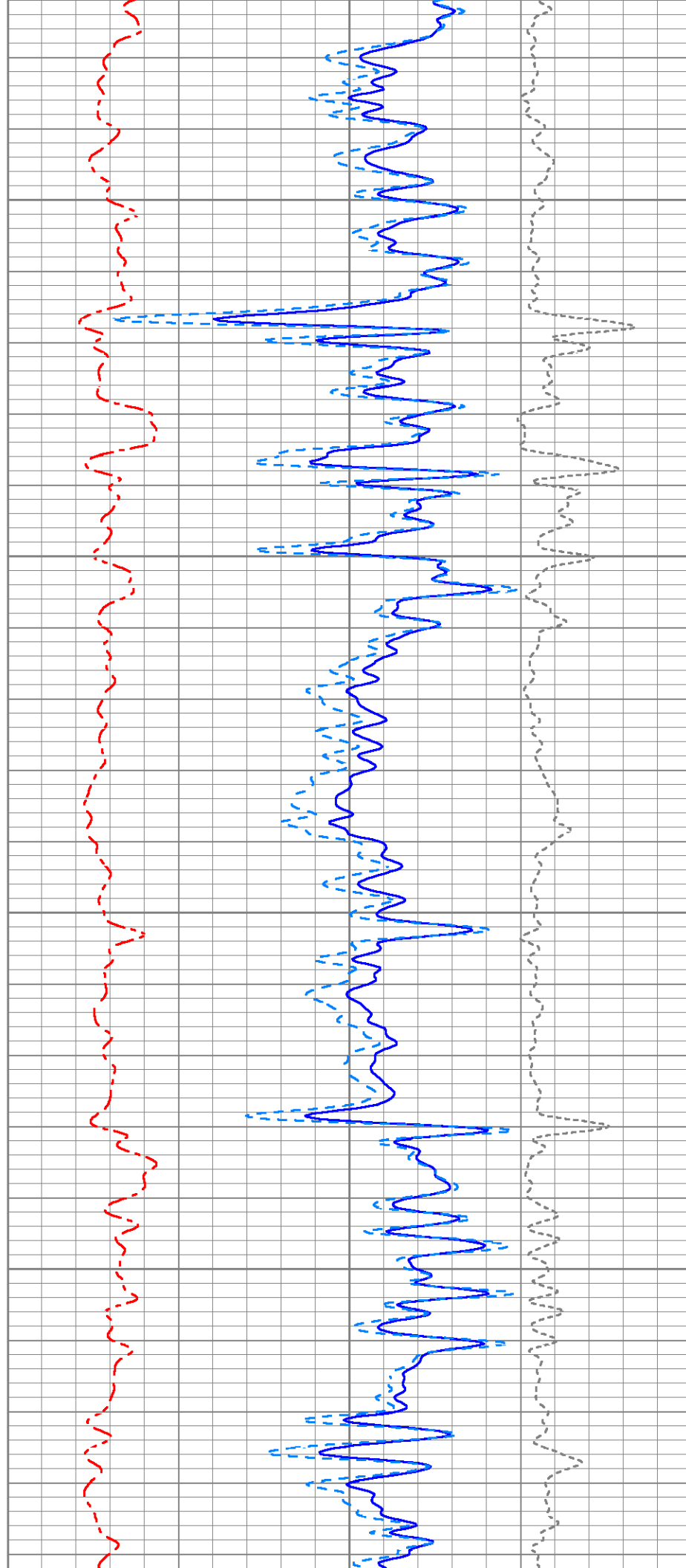


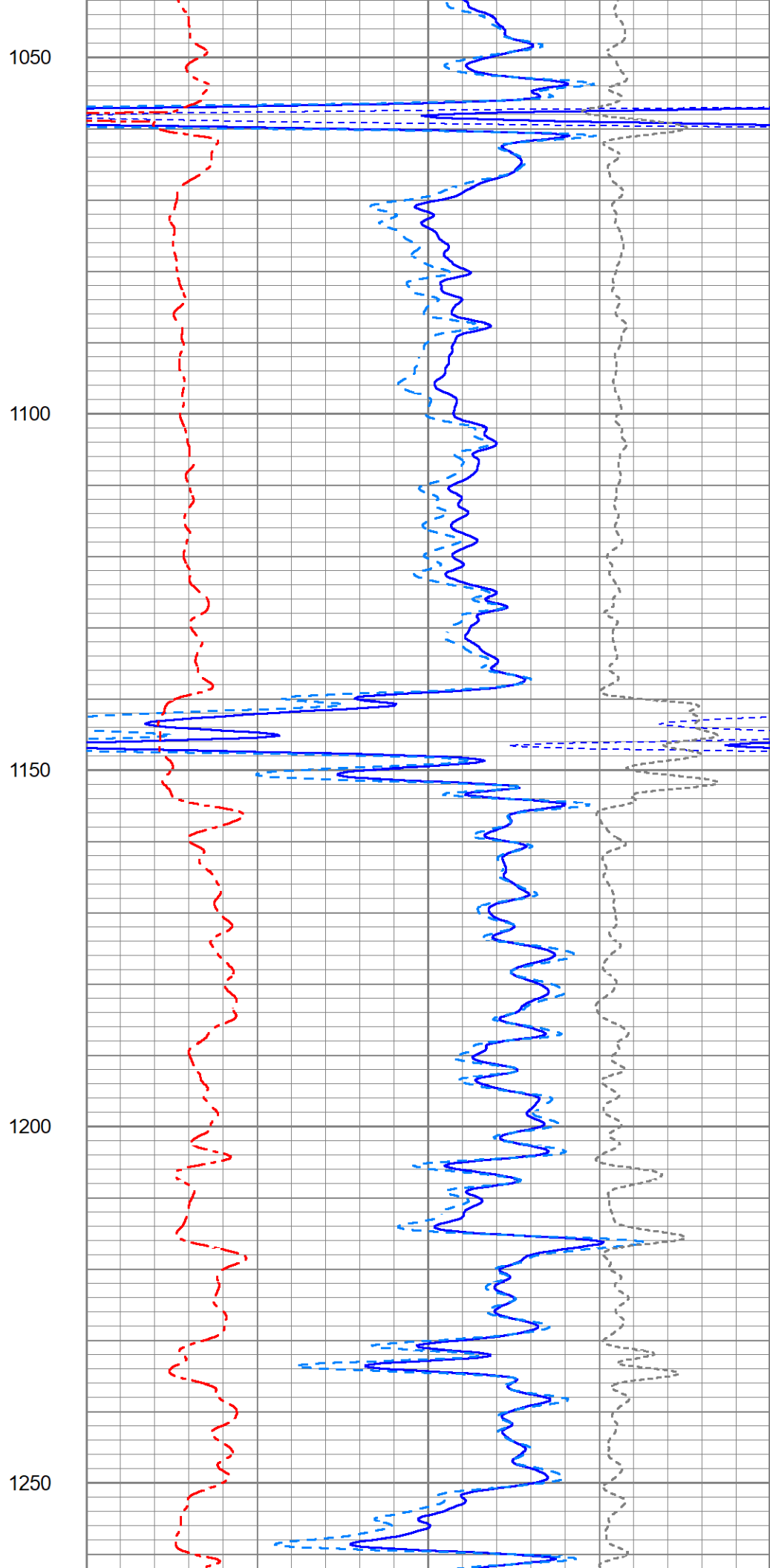
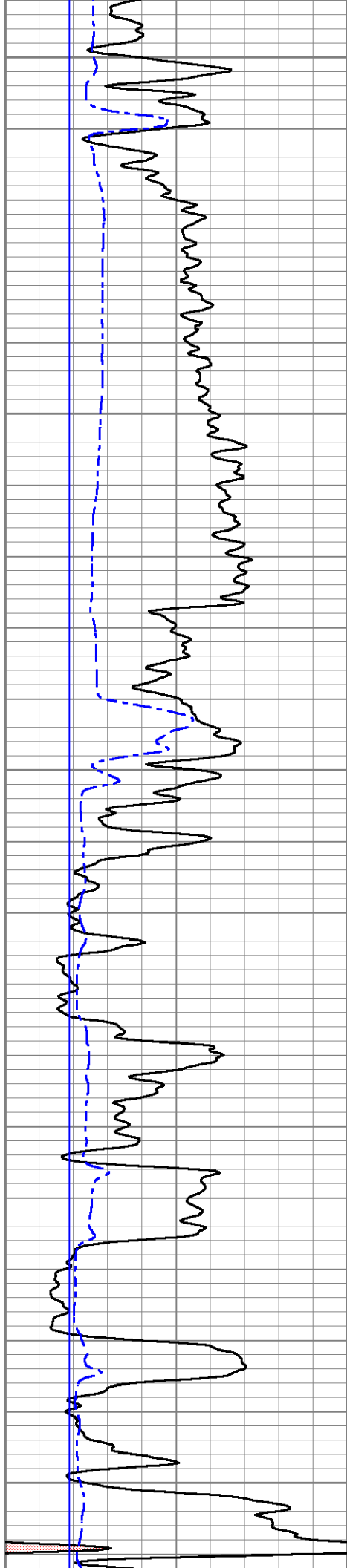
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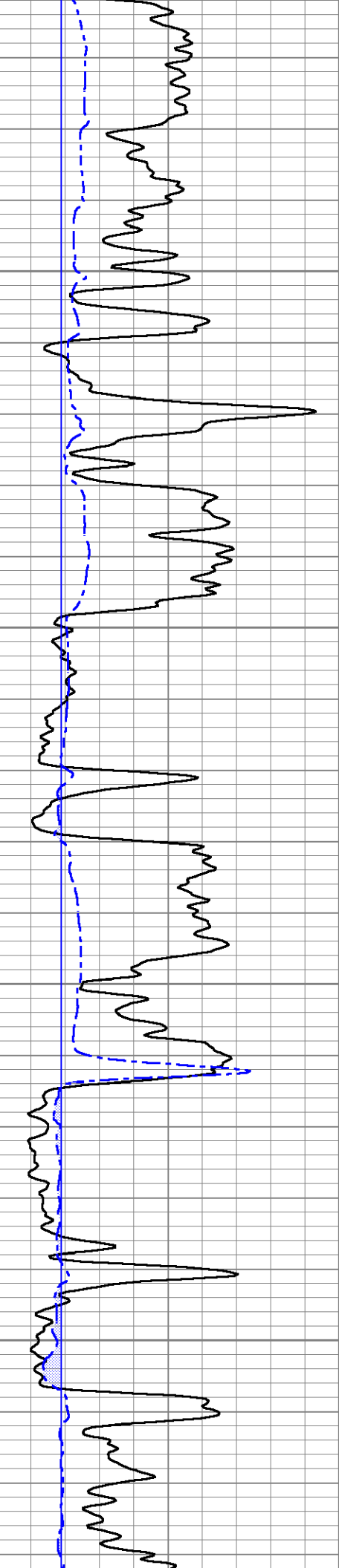
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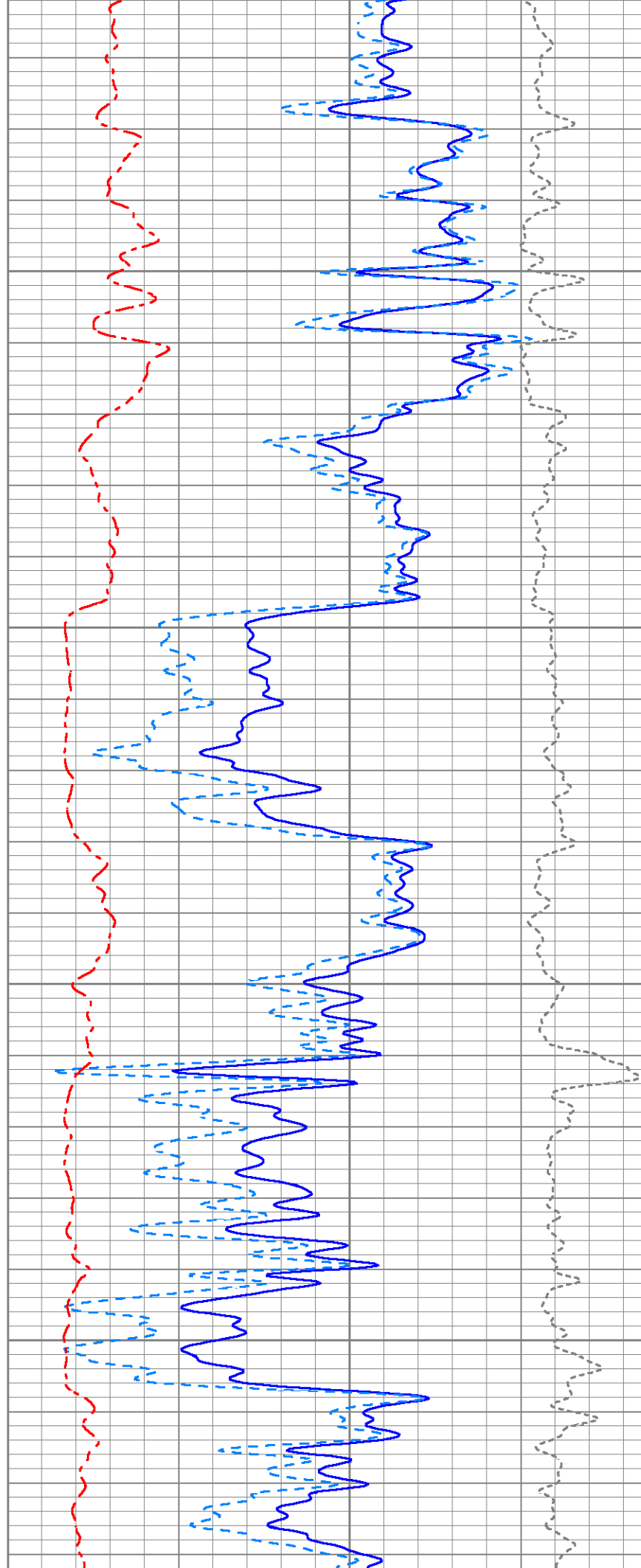


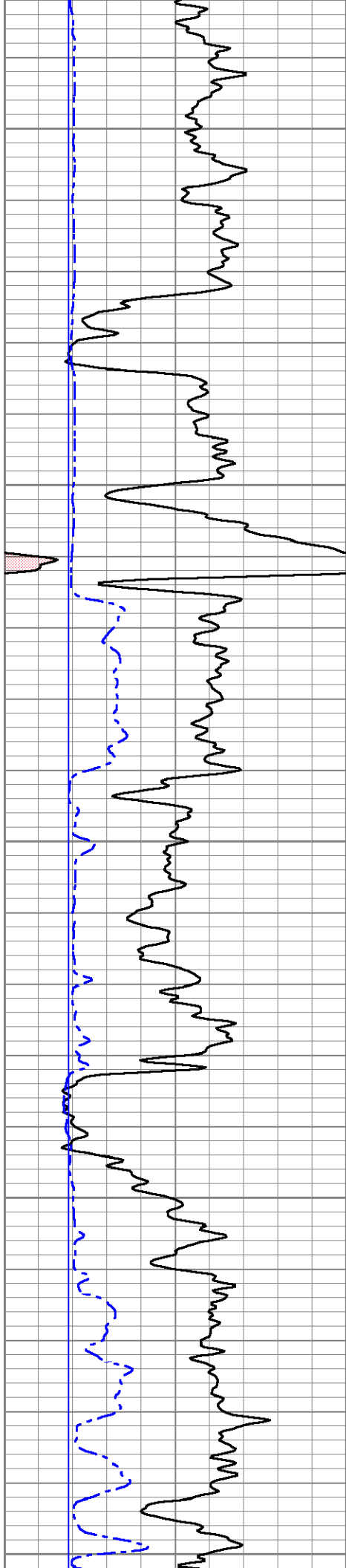
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1450





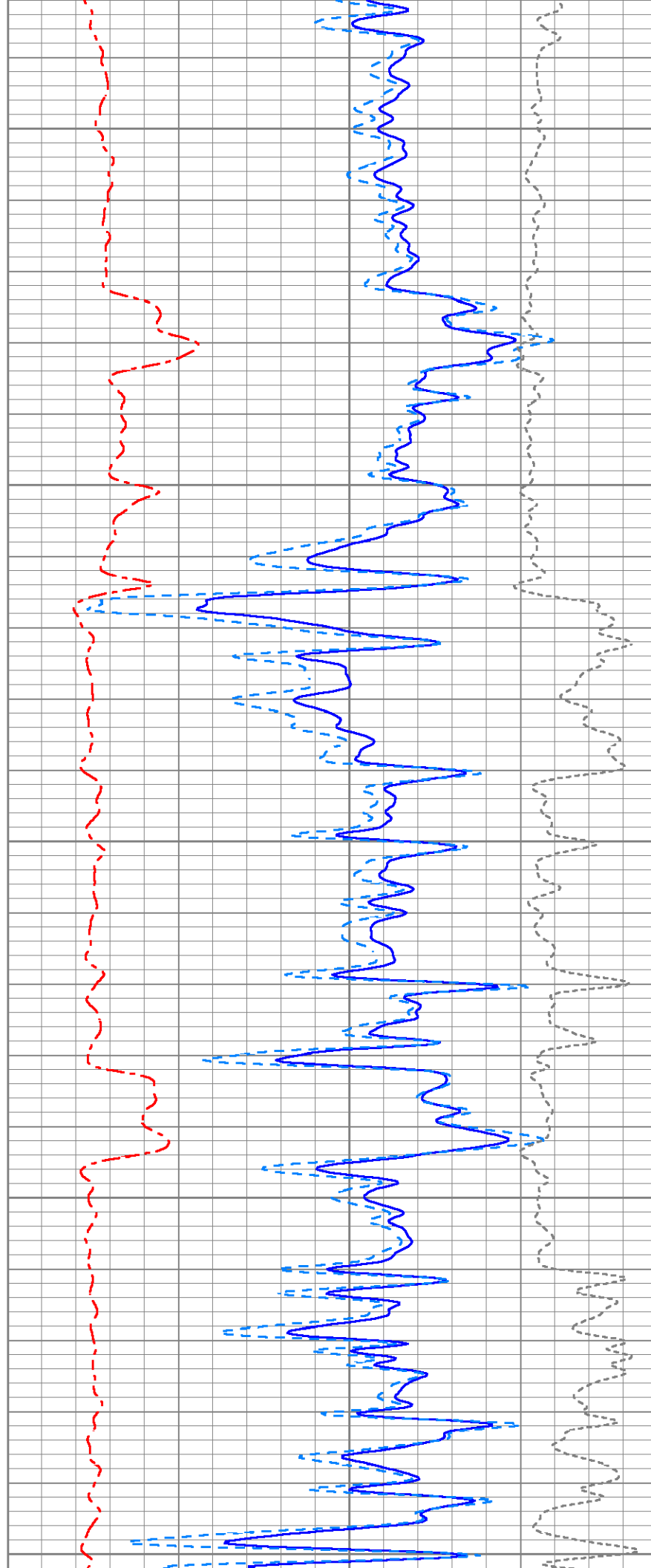
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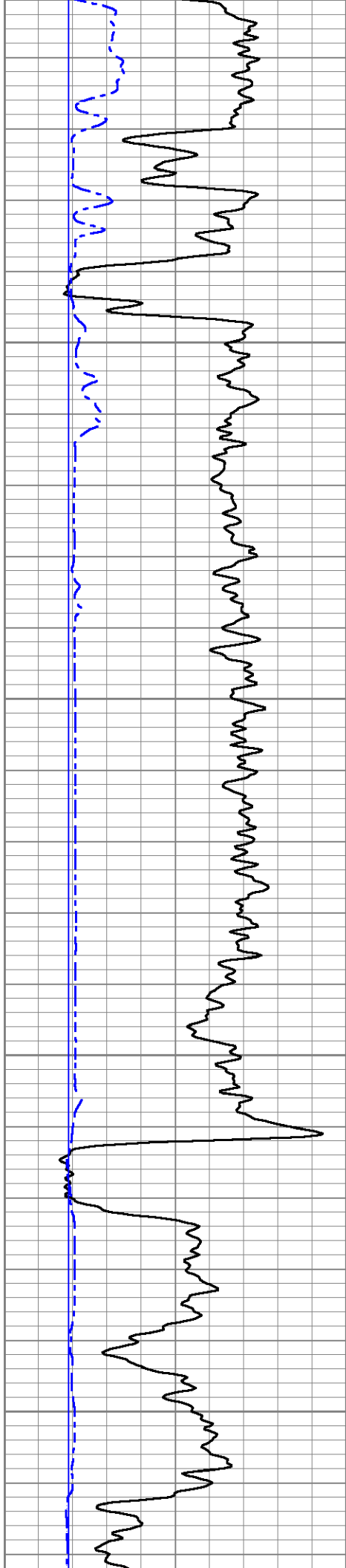
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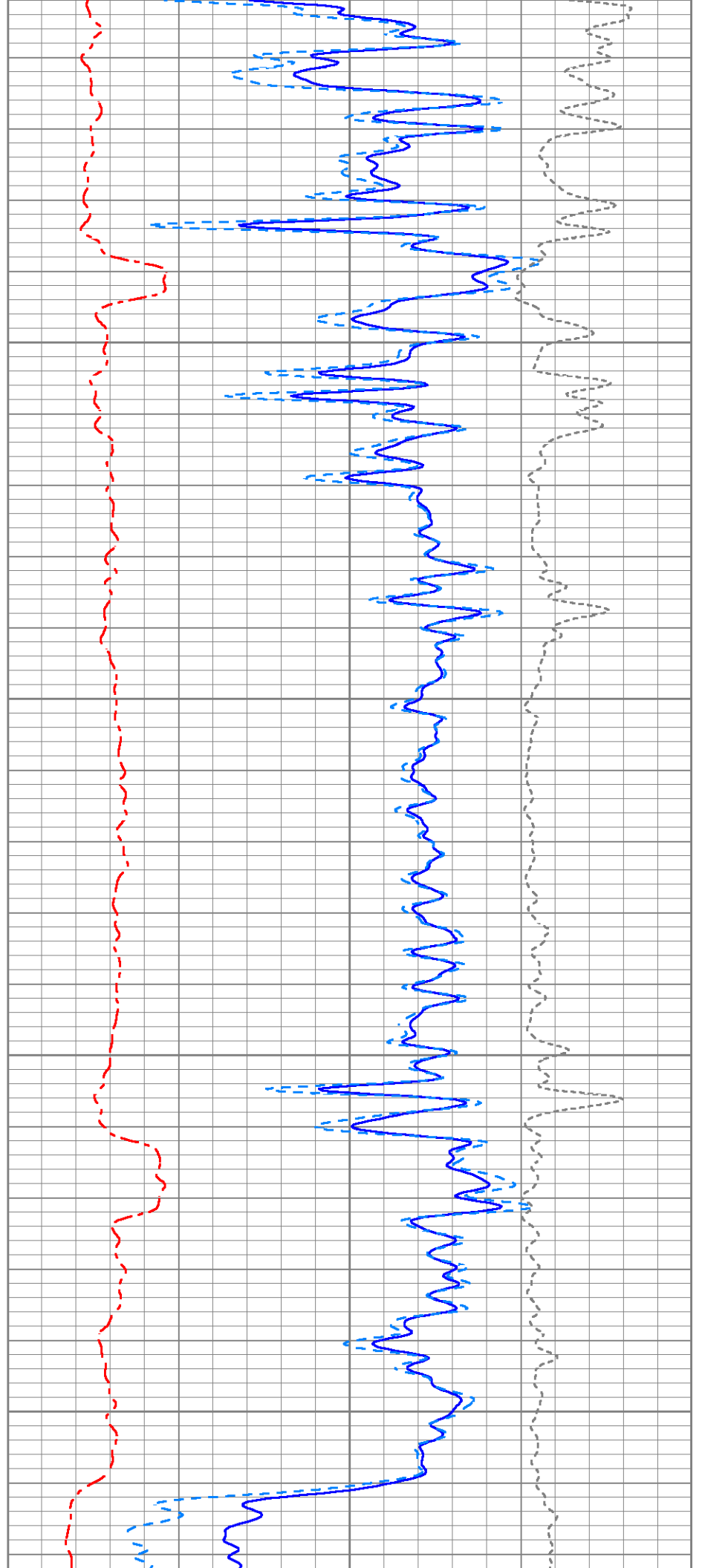


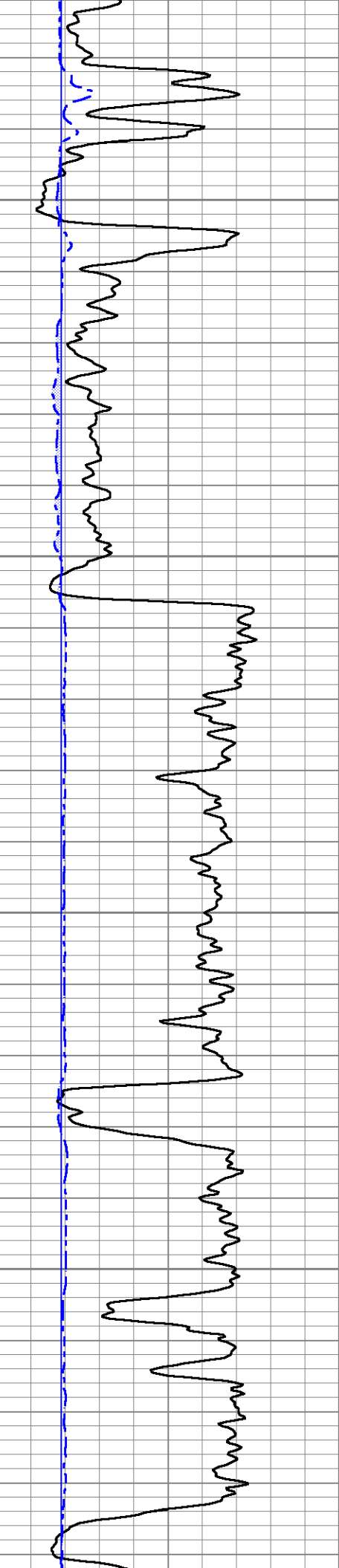
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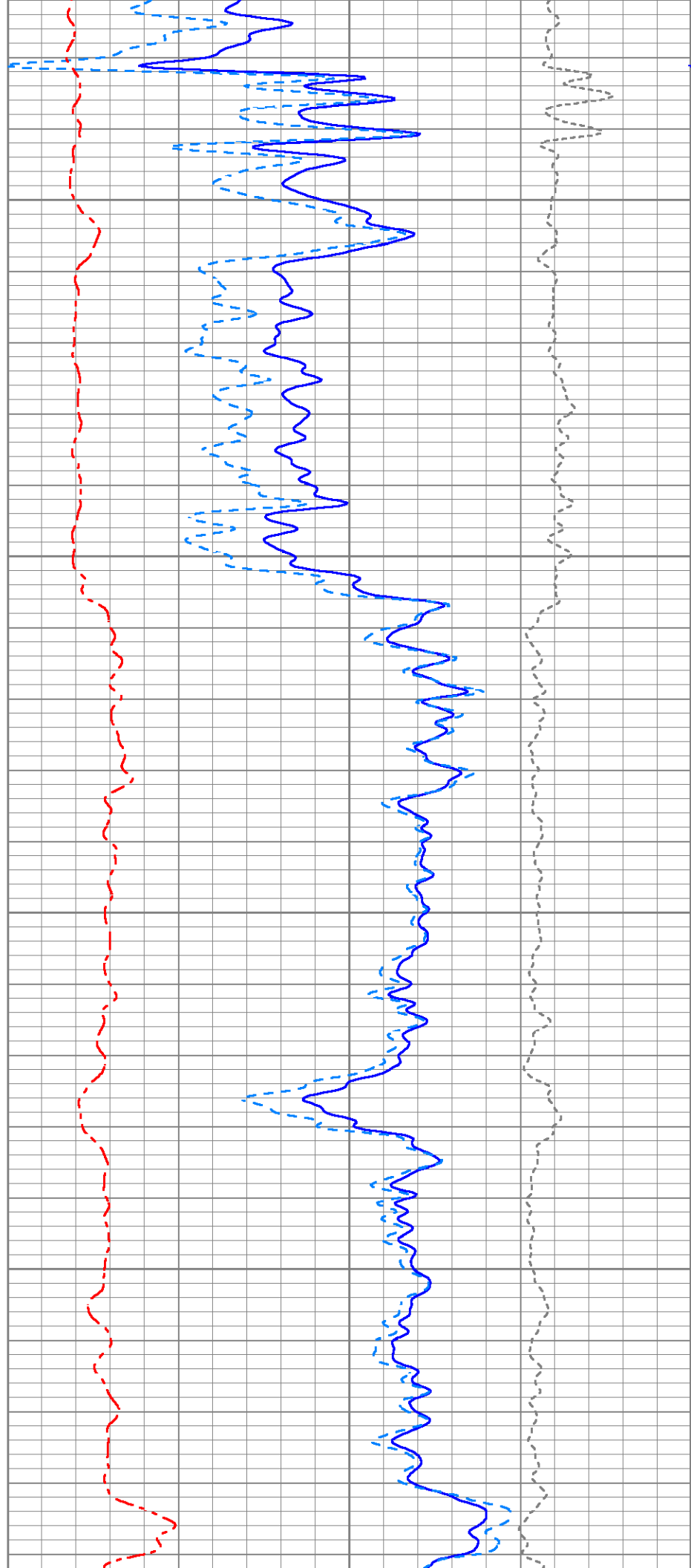


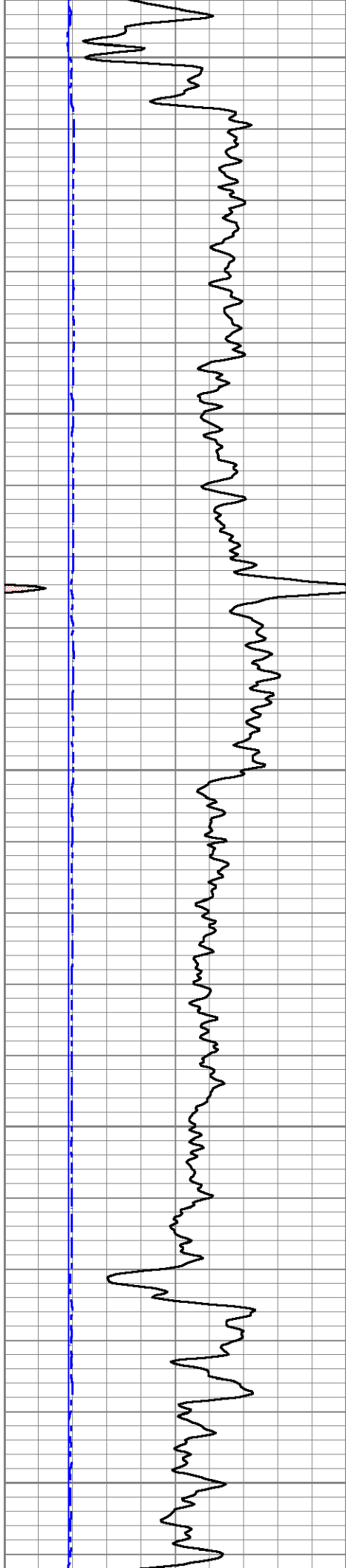
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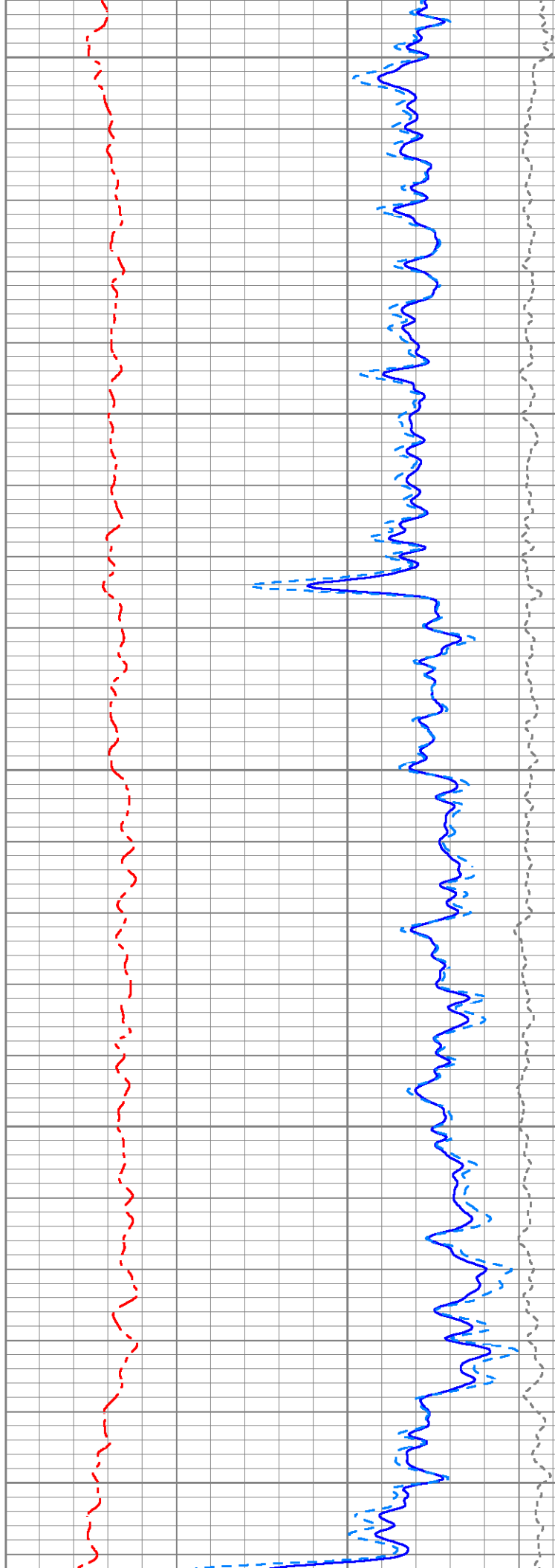
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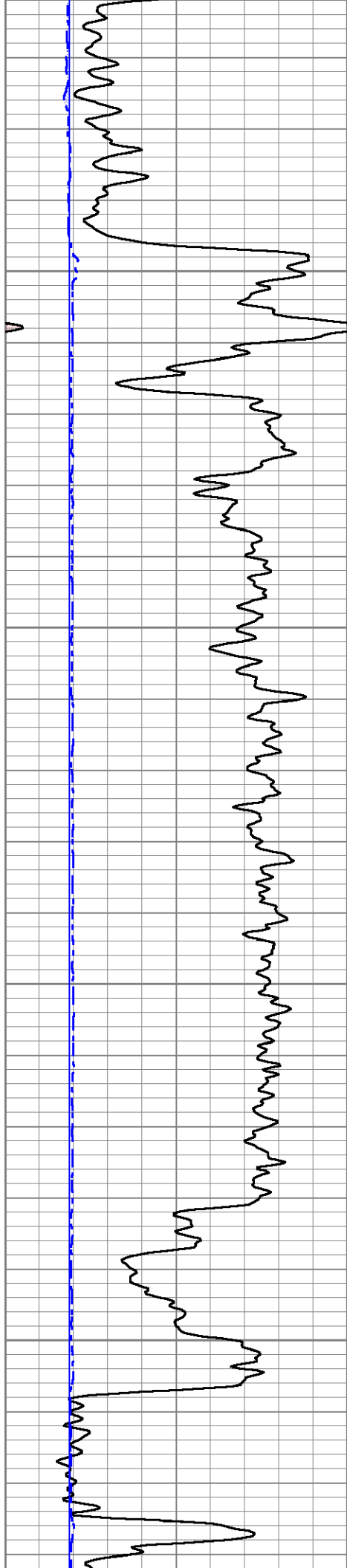
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2300

2350



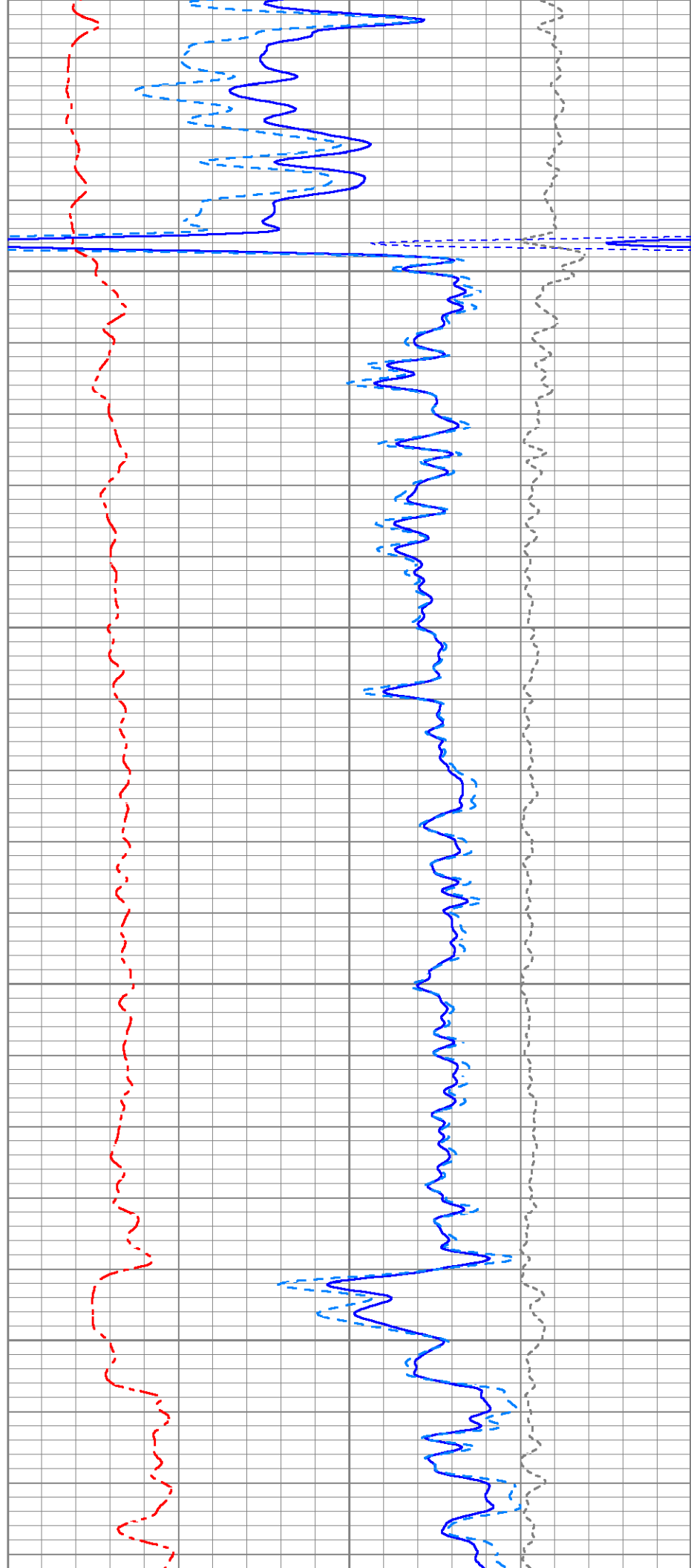


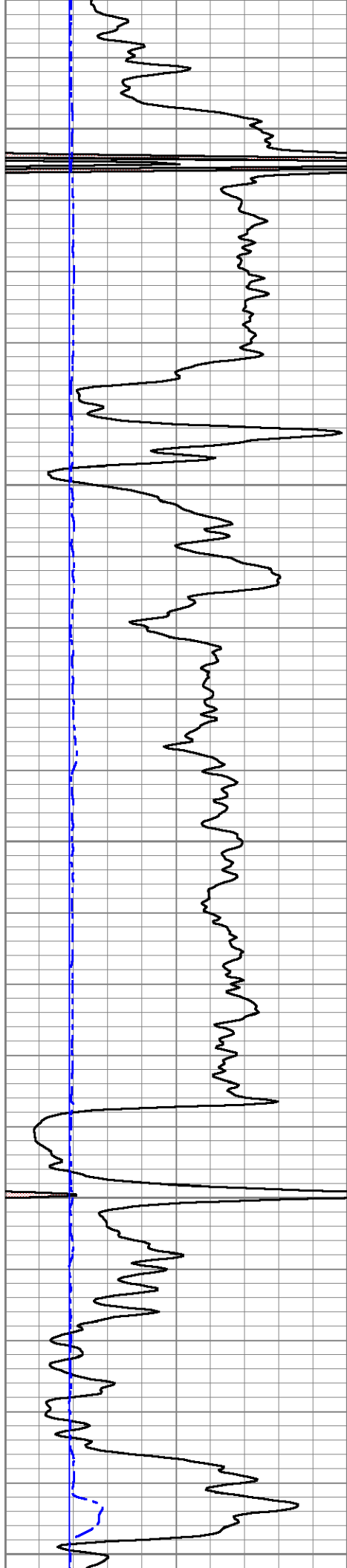
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2550





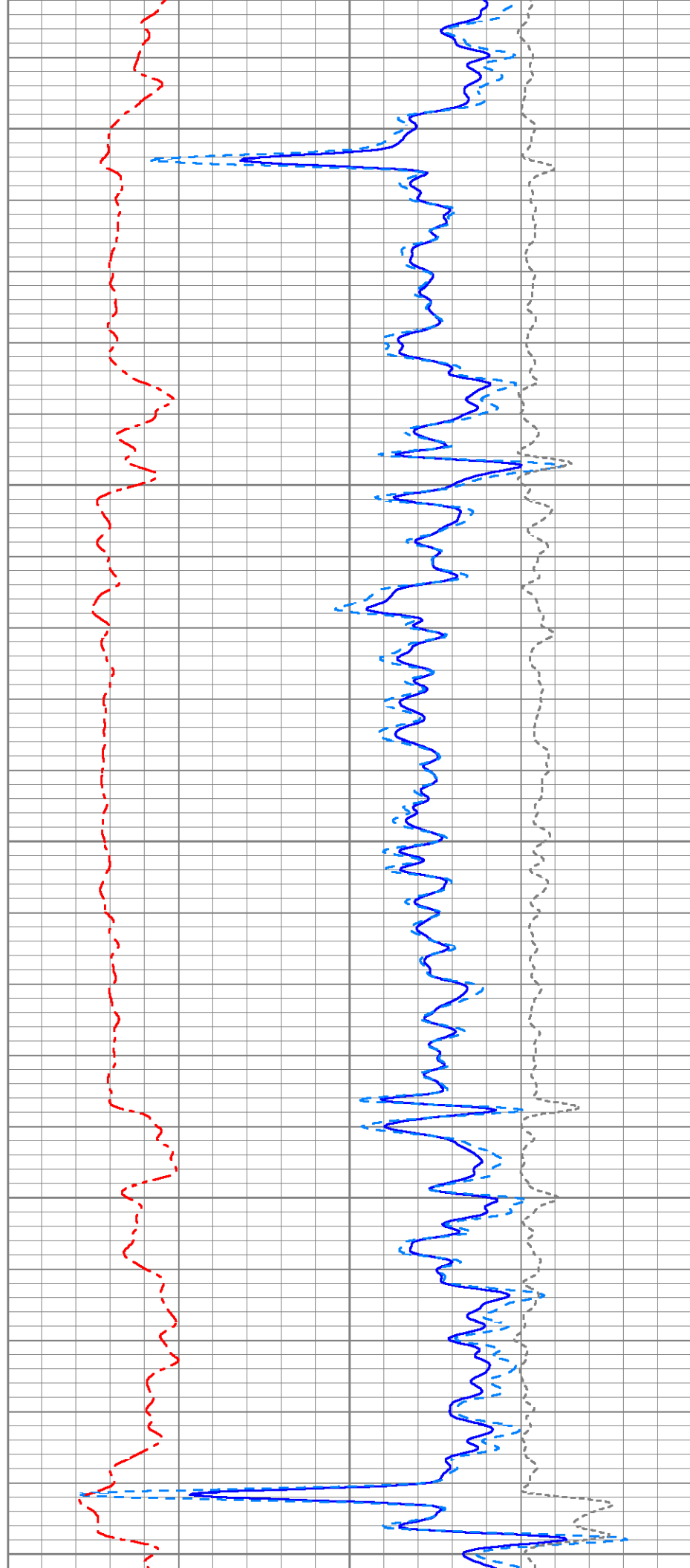
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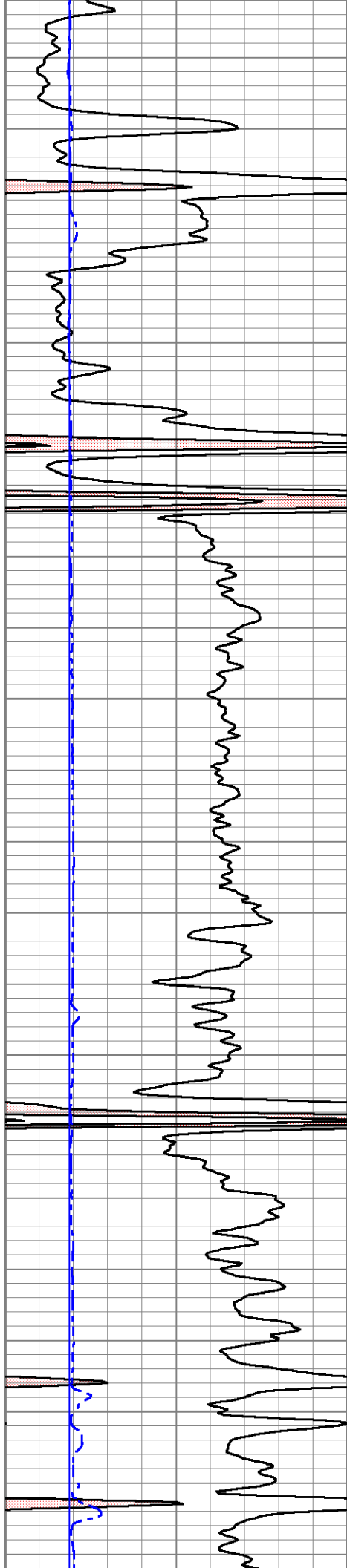
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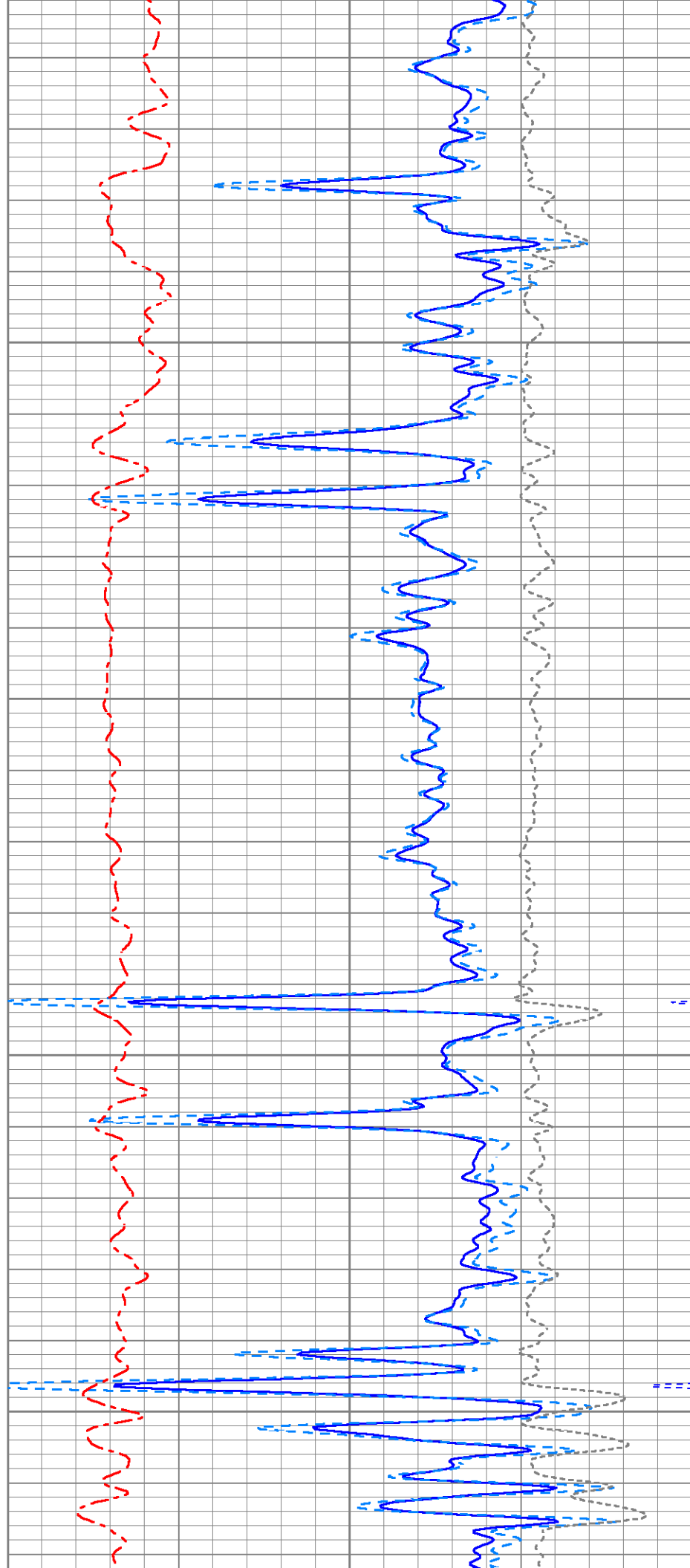


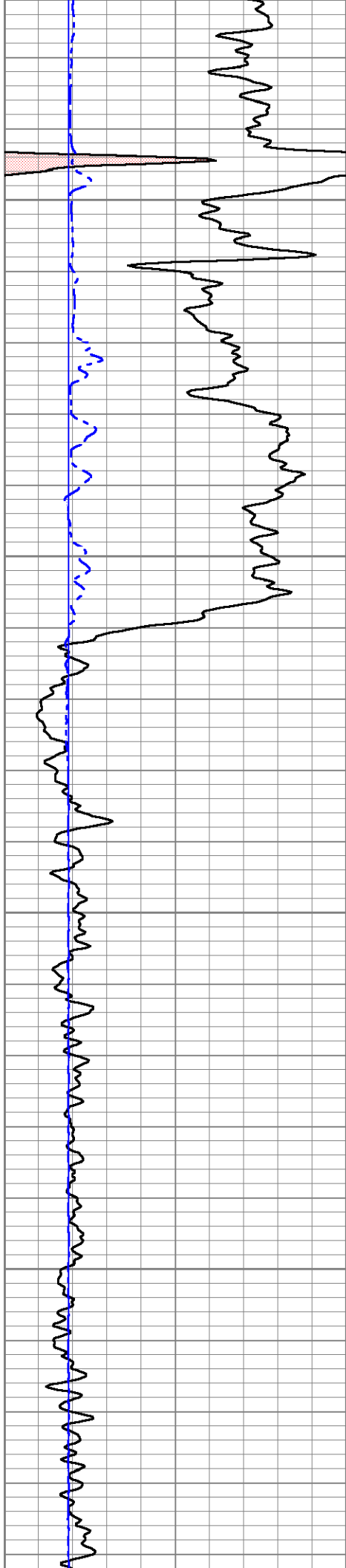
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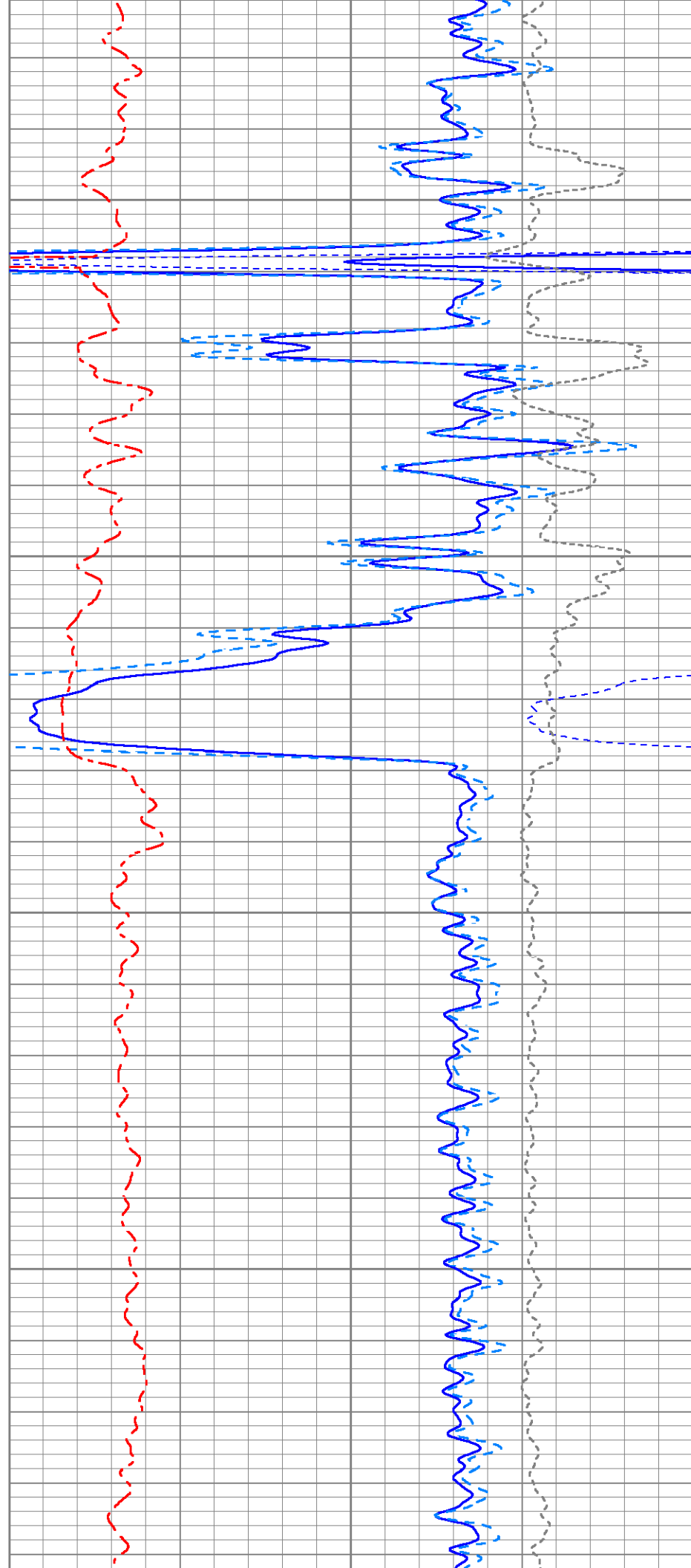


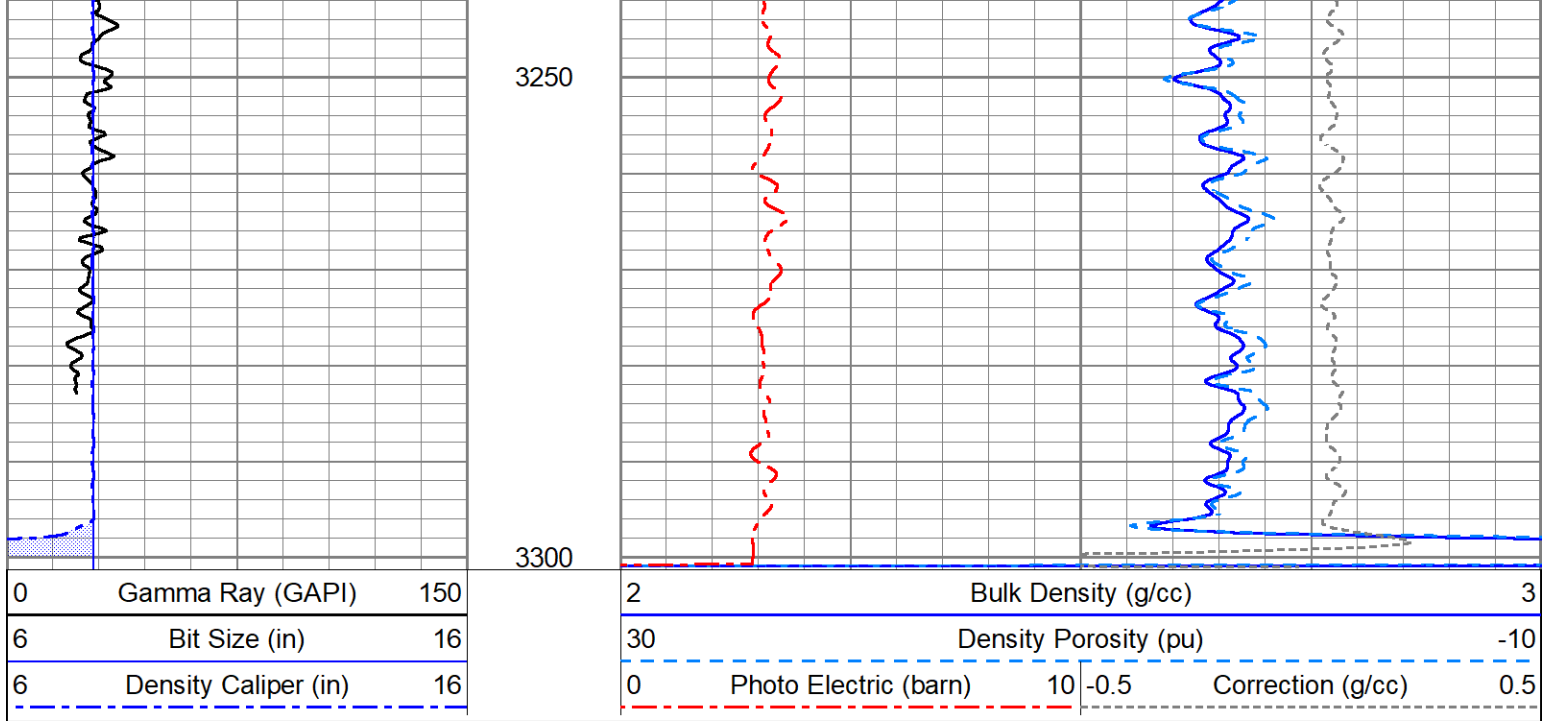
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3100

3150

3200





Calibration Report

Database File ow1-9219 val energy.db
 Dataset Pathname pass4
 Dataset Creation Fri Sep 15 11:40:36 2023

Admyr Lithodensity Calibration Report

Serial-Model: 1D_GH-B
 Source: OW1 F7
 Master Calibration Performed: Tue Aug 15 11:07:49 2023

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	6159.37	4831.76	cps
Aluminium	2.600	g/cc	1923.06	3536.15	cps
Aluminium+Sleeve	2.563	g/cc	1830.93	3248.14	cps

Spine Angle = 74.99

Density/Spine Ratio = 0.738

	PE		NLITH	NHARD	
Magnesium	1.970	barn	4514.12	4766.94	cps
Aluminium	2.530	barn	1273.12	1695.98	cps
Aluminium+Sleeve	3.832	barn	1024.72	1665.71	cps

M = 0.731

B = -0.176

R = 0.988

	Size		Reading	
Small Ring	5.75	in	4.50	V
Large Ring	11.25	in	6.42	V

Neutron Calibration Report

Serial Number: ADMYR1
 Tool Model: ADDON
 Performed: Sun Jun 4 01:30:41 2023

Calibrator Values: 0 29
 Calibrator Readings: 750 220 cps

Sensitivity: -0.054717 /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					
SSTAT	15.33		NEU-ADDON (ADMYR1) Inline Neutron	5.65	3.38	84.00
PSTAT	15.33					
ASTAT	15.33					
NEU	11.66					
DCAL	2.79					
LS_HV	2.63		ADT1LITH-B (1D_GH)	9.69	4.25	238.00
LS8	2.63					
LS7	2.63					
LS6	2.63					
LS5	2.63					
NHARD	2.63					
LSD	2.63					
LS2	2.63					
NLITH	2.63		Dataset: ow1-9219 val energy.db: field/well/run1/pass4			
LSTAT	2.17		Total length: 19.02 ft			
LSV	2.17	Total weight: 375.00 lb				
		O.D.: 4.25 in				