



LITHO DENSITY NEUTRON LOG

Company	VAL ENERGY INC	Location:	API # : 15-035-24772-00-00	Other Services
Well	HOUSE RANCH # 2-29			DIL
Field	CABIN VALLEY			MICRO
County	COWLEY			
State	KANSAS			
Permanent Datum	GL	Elevation	1195	Elevation
Log Measured From	KB			K.B. 1204
Drilling Measured From	KB			D.F. 1203
				G.L. 1195
Date	11-2-2022			
Run Number	ONE			
Depth Driller	3399			
Depth Logger	3407			
Bottom Logged Interval	3405			
Top Log Interval	SURFACE			
Casing Driller	8.625" @ 315'			
Casing Logger	8.625" @ 315'			
Bit Size	7.875"			
Type Fluid in Hole	MUD			
Density / Viscosity	9.4 48			
pH / Fluid Loss				
Source of Sample	PIT			
Rm @ Meas. Temp	2.3 @ 70			
Rmf @ Meas. Temp	1.84 @ 70			
Rmc @ Meas. Temp	2.76 @ 70			
Source of Rmf / Rmc	CALCULATED			
Rm @ BHT	1.38 @ 110			
Time Circulation Stopped	9:30 PM			
Time Logger on Bottom	1:30 AM			
Maximum Recorded Temperature	110			
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

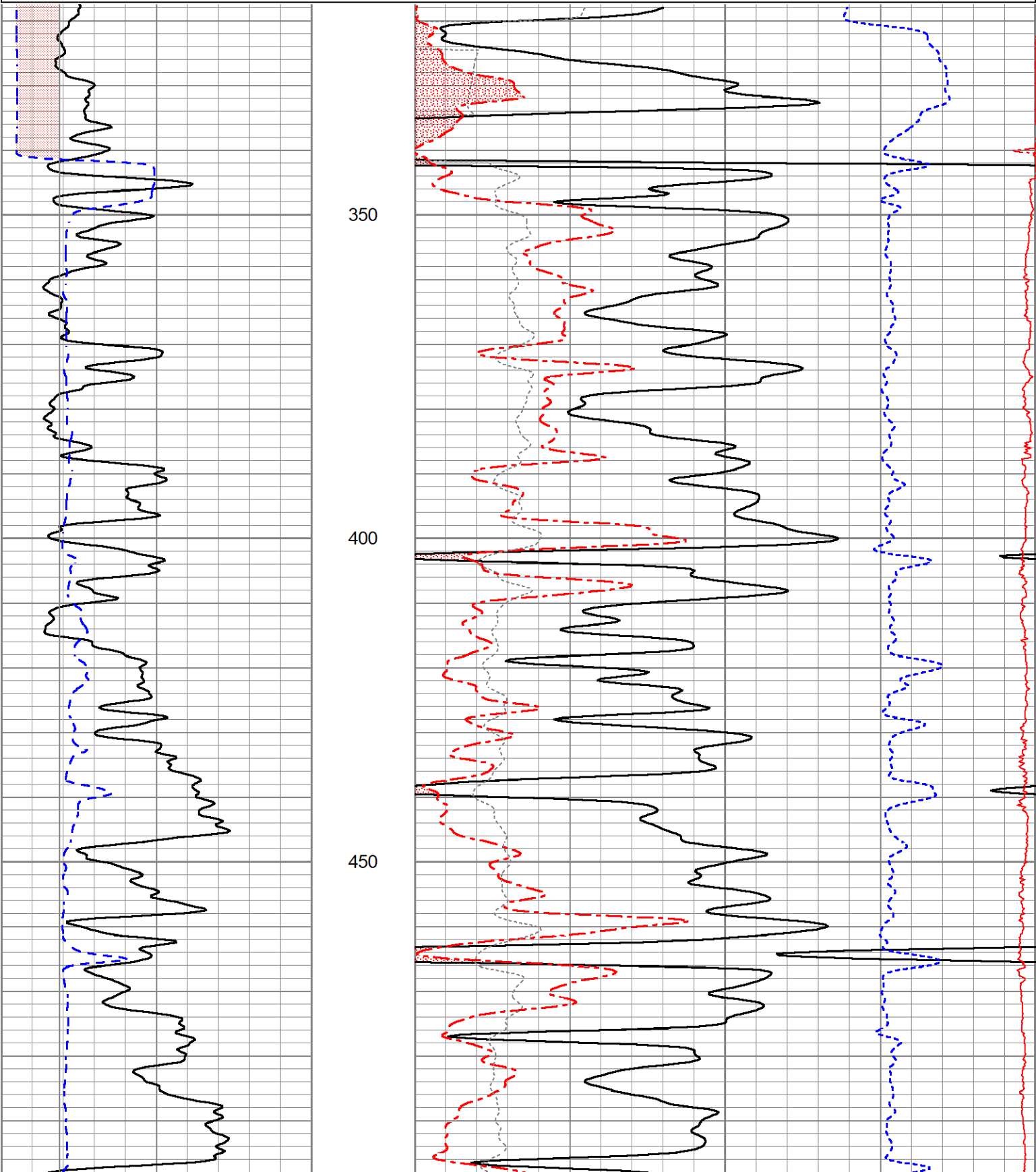
FILE # OW2-9144 VAL ENERGY
KIDD
THANK YOU FOR USING OSAGE WIRELINE

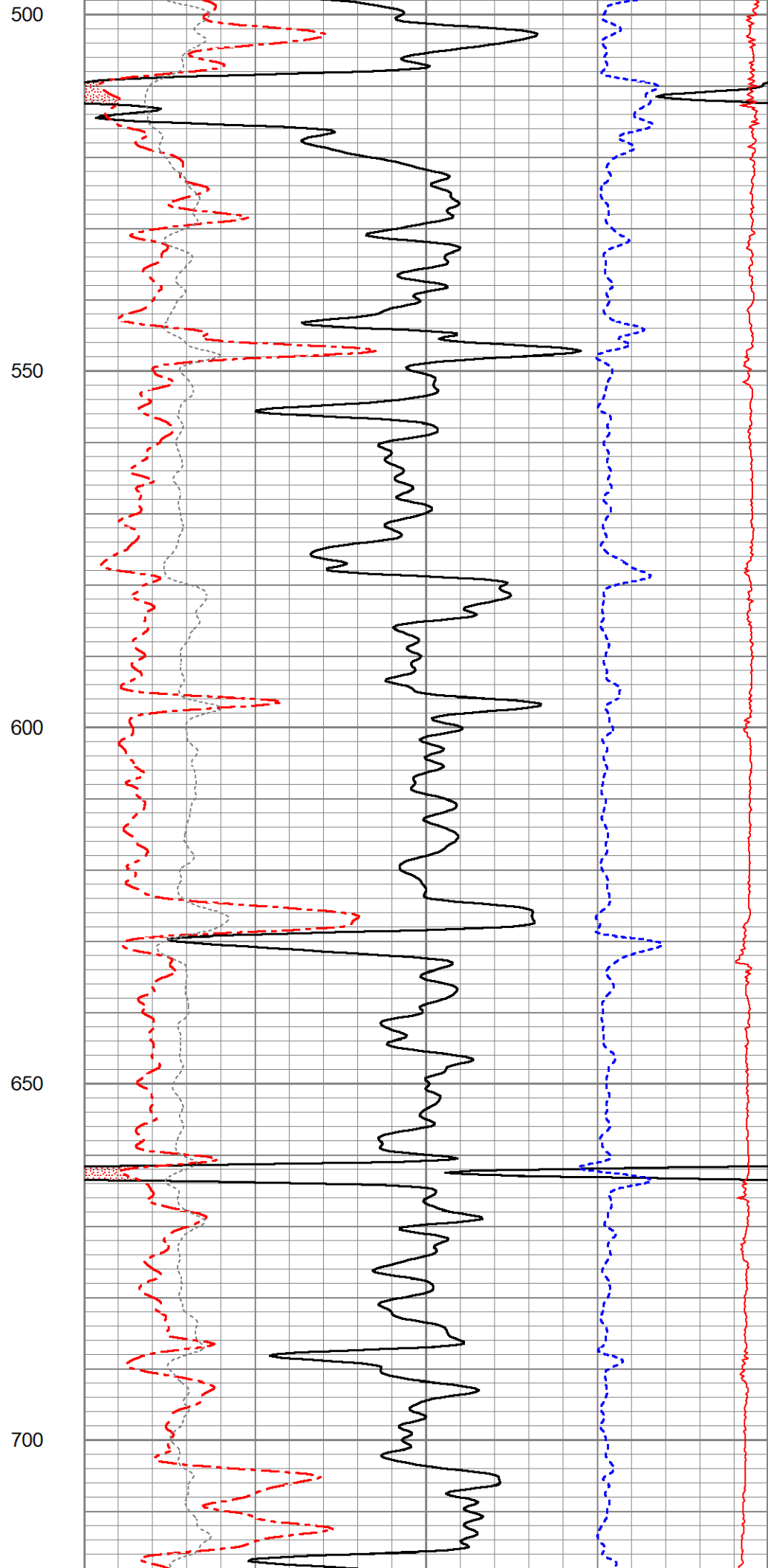
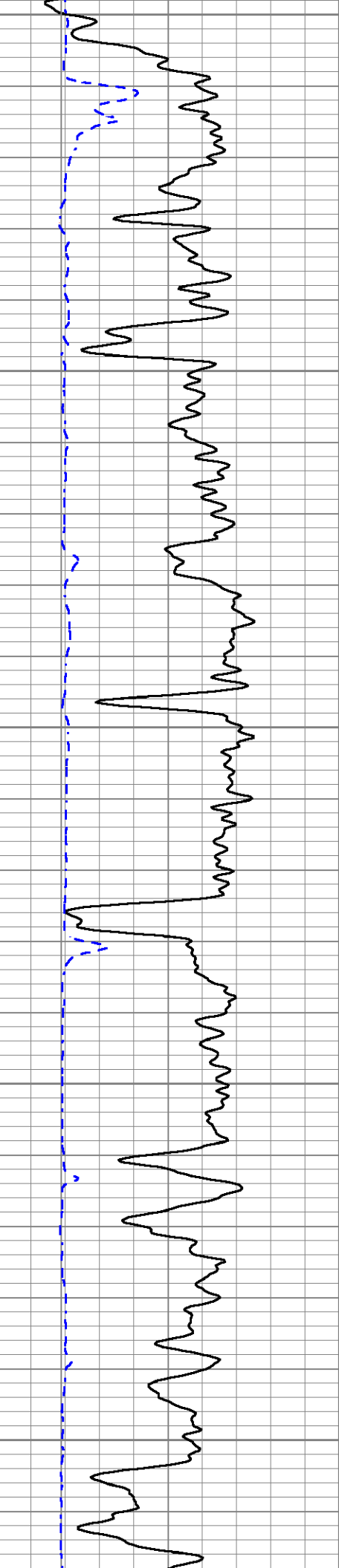


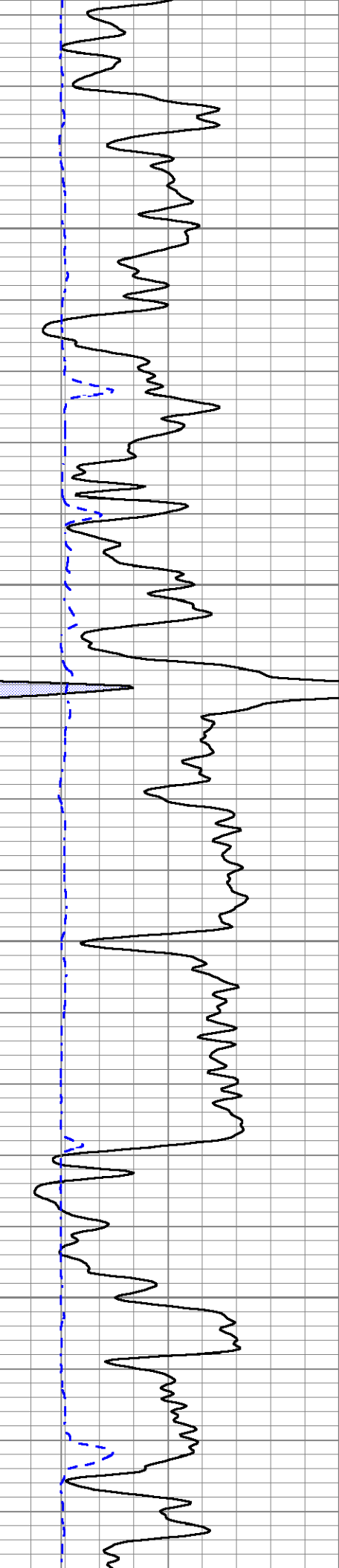
5" DENSITY NEUTRON LOG

Database File	ow2-9144 val energy.db
Dataset Pathname	pass4.5
Presentation Format	stdIn-6-16_5
Dataset Creation	Wed Nov 02 04:27:18 2022
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	30	Density Porosity (pu)	-10	
6	Bit size (in)	16	30	Neutron Porosity (pu)	-10	
6	Density Caliper (in)	16	0	PE (barn)	10	
				-0.5	Correction (g/cc)	0.5
				3000	Line Tension (lb)	500





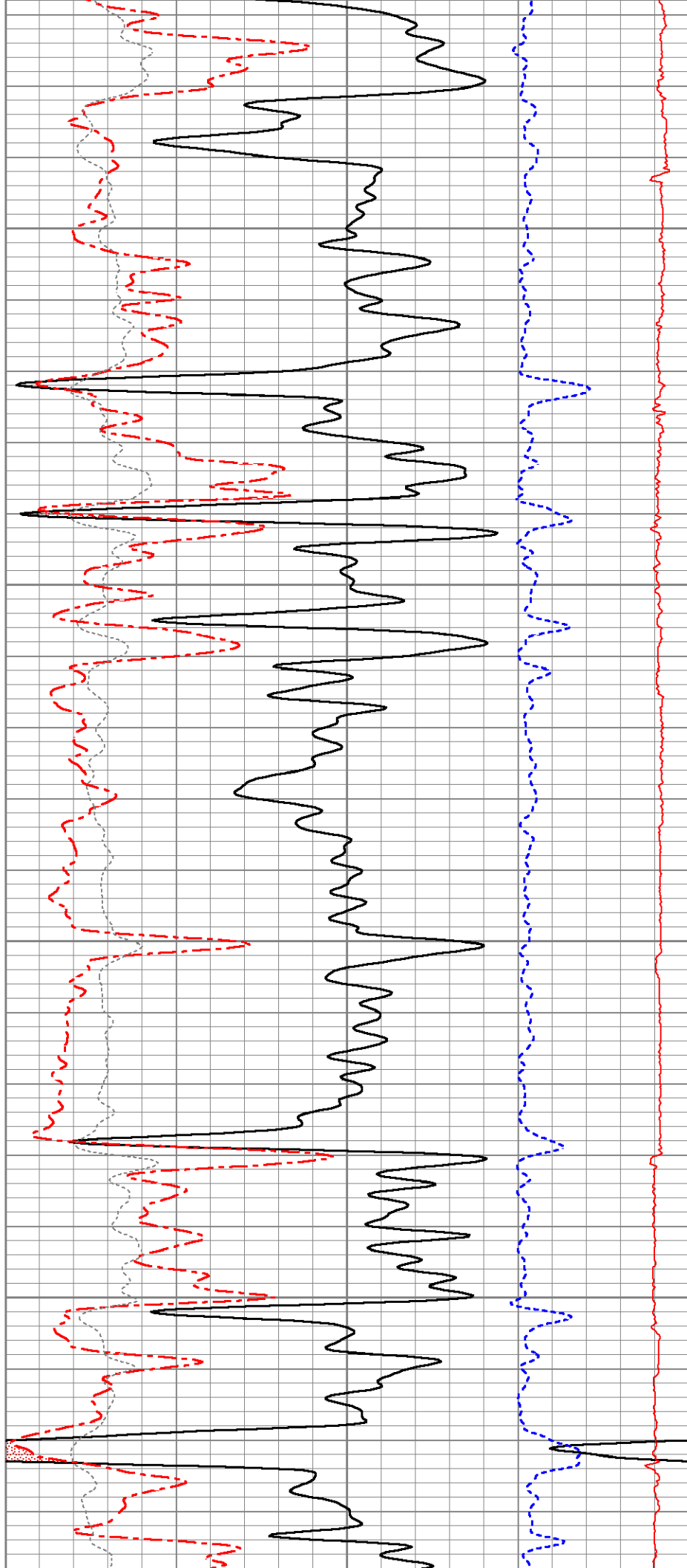


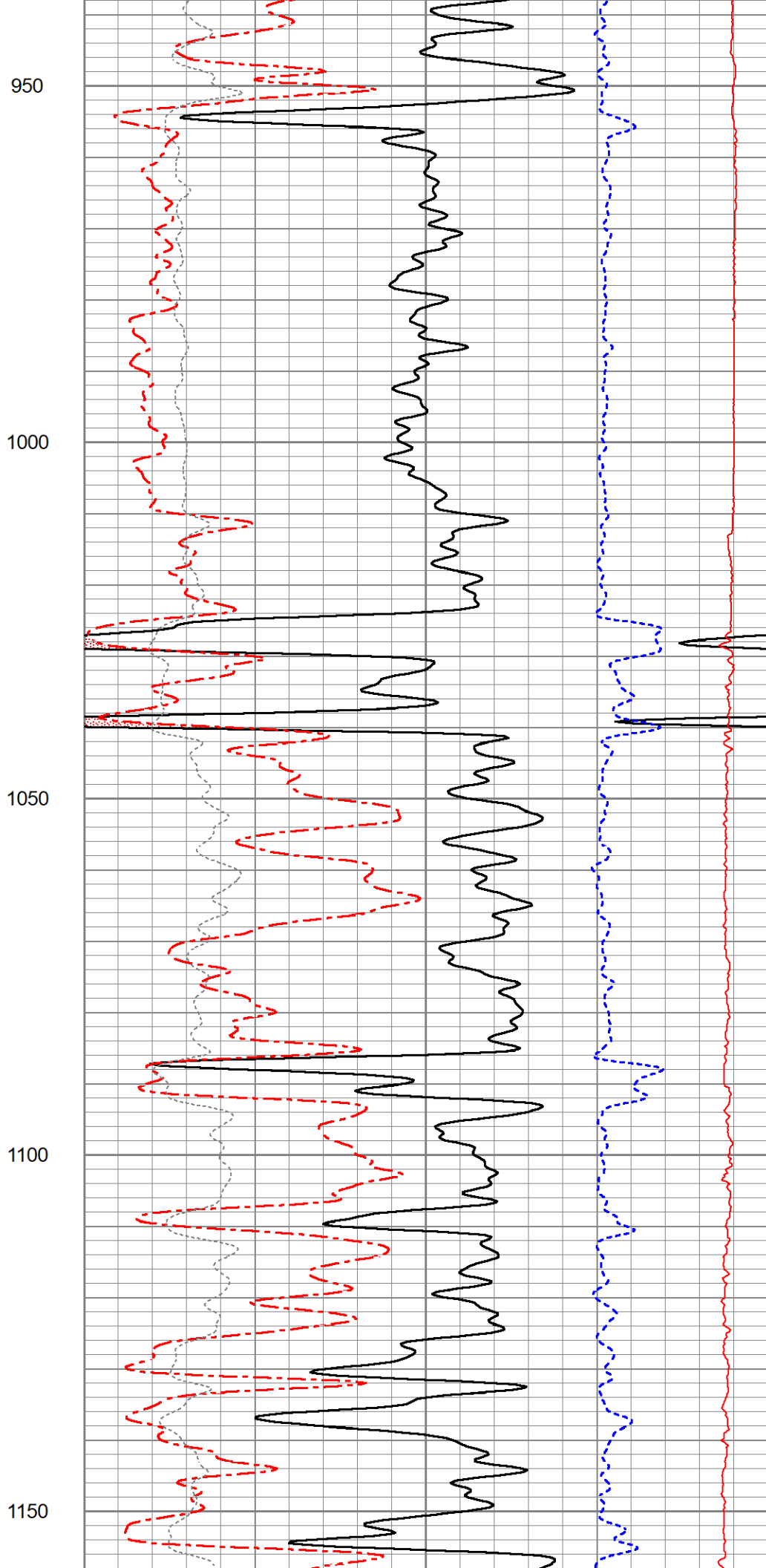
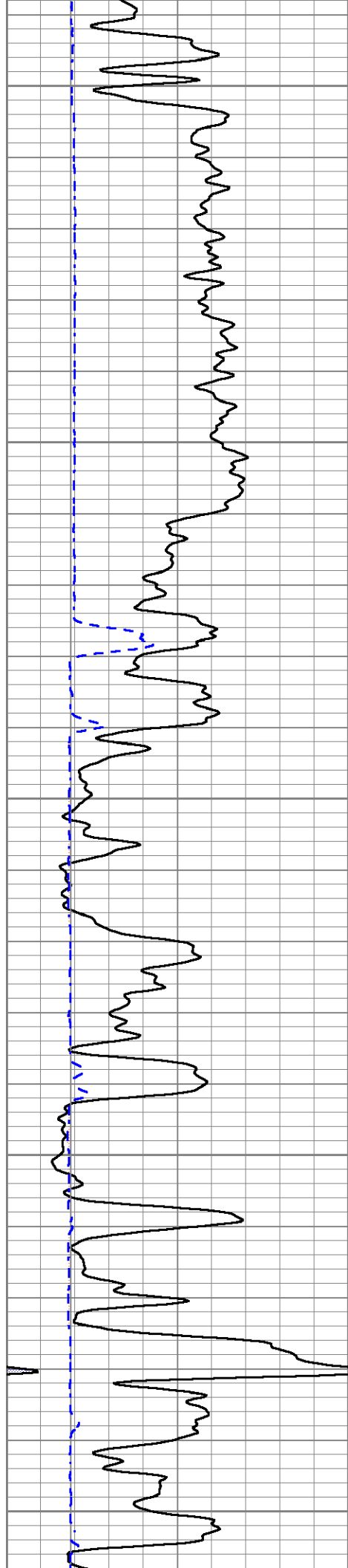
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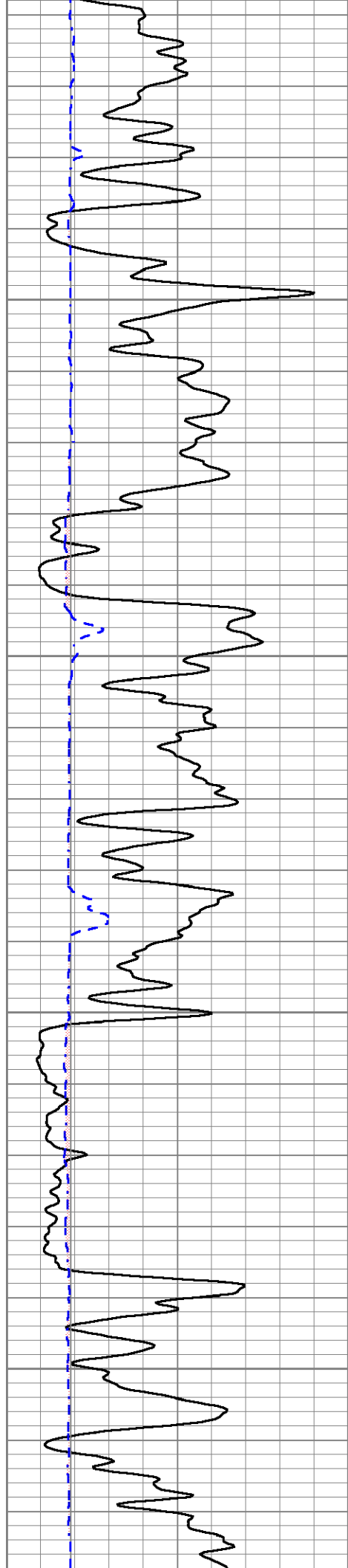
800

850

900





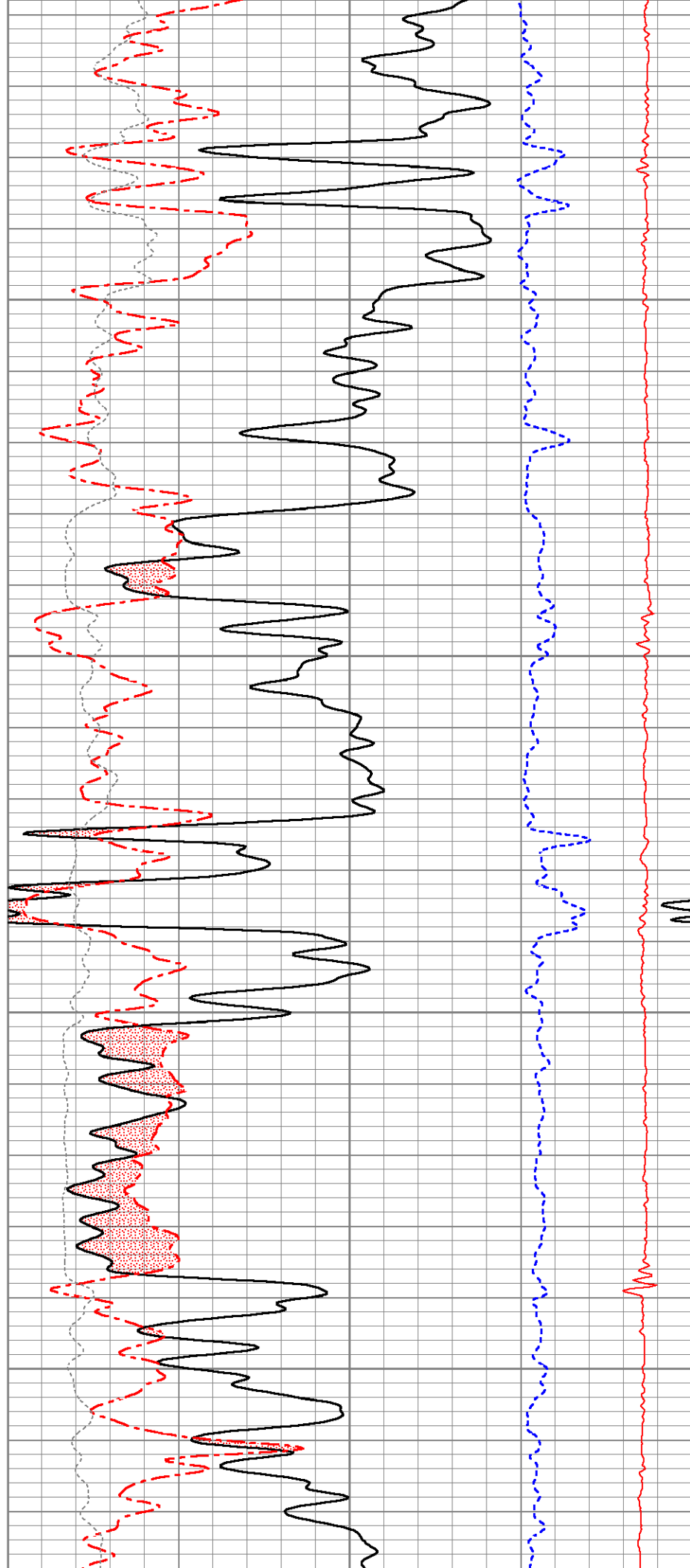


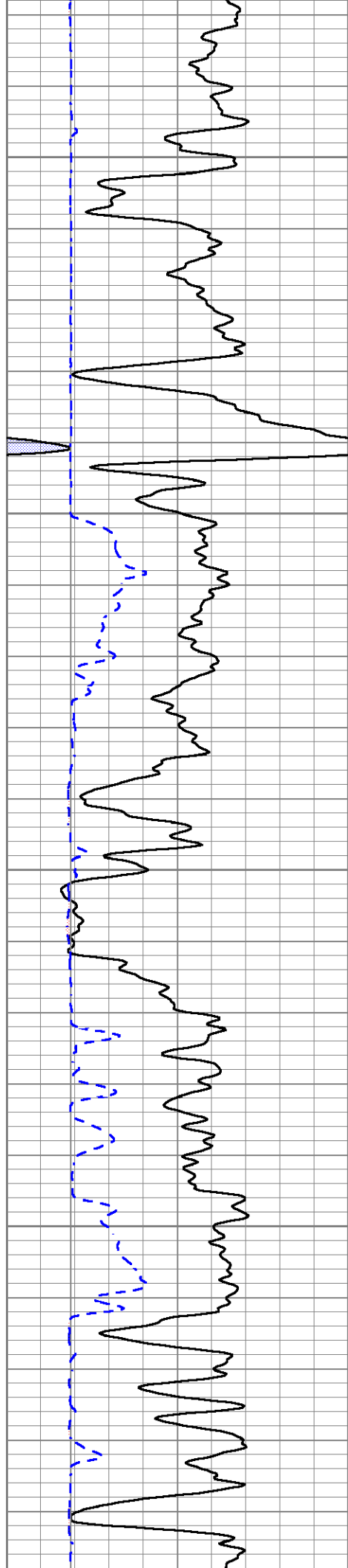
1200

1250

1300

1350



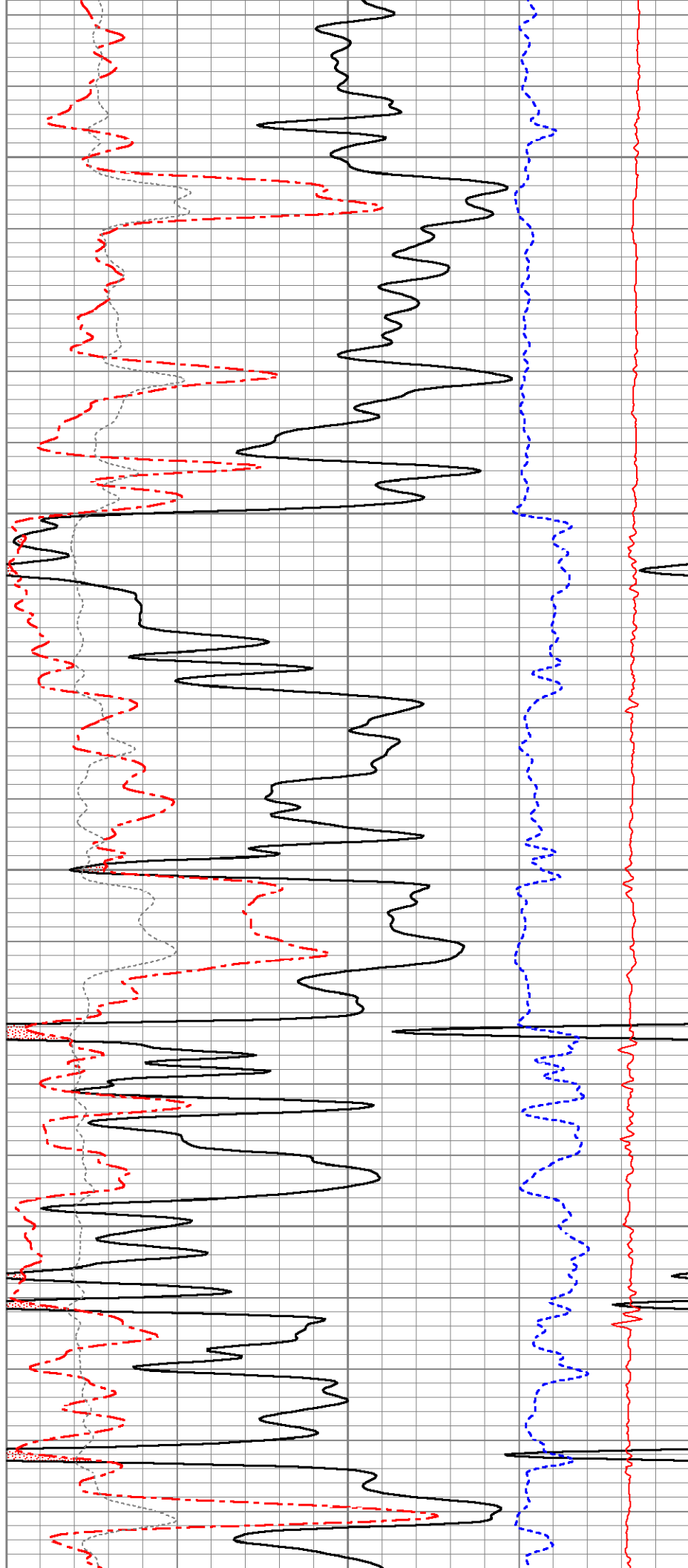


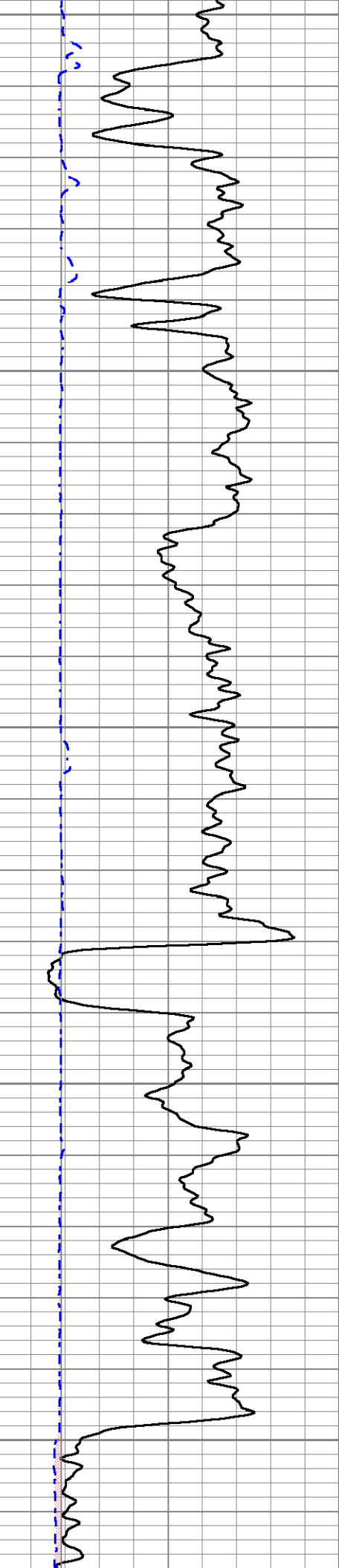
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1450

1500

1550





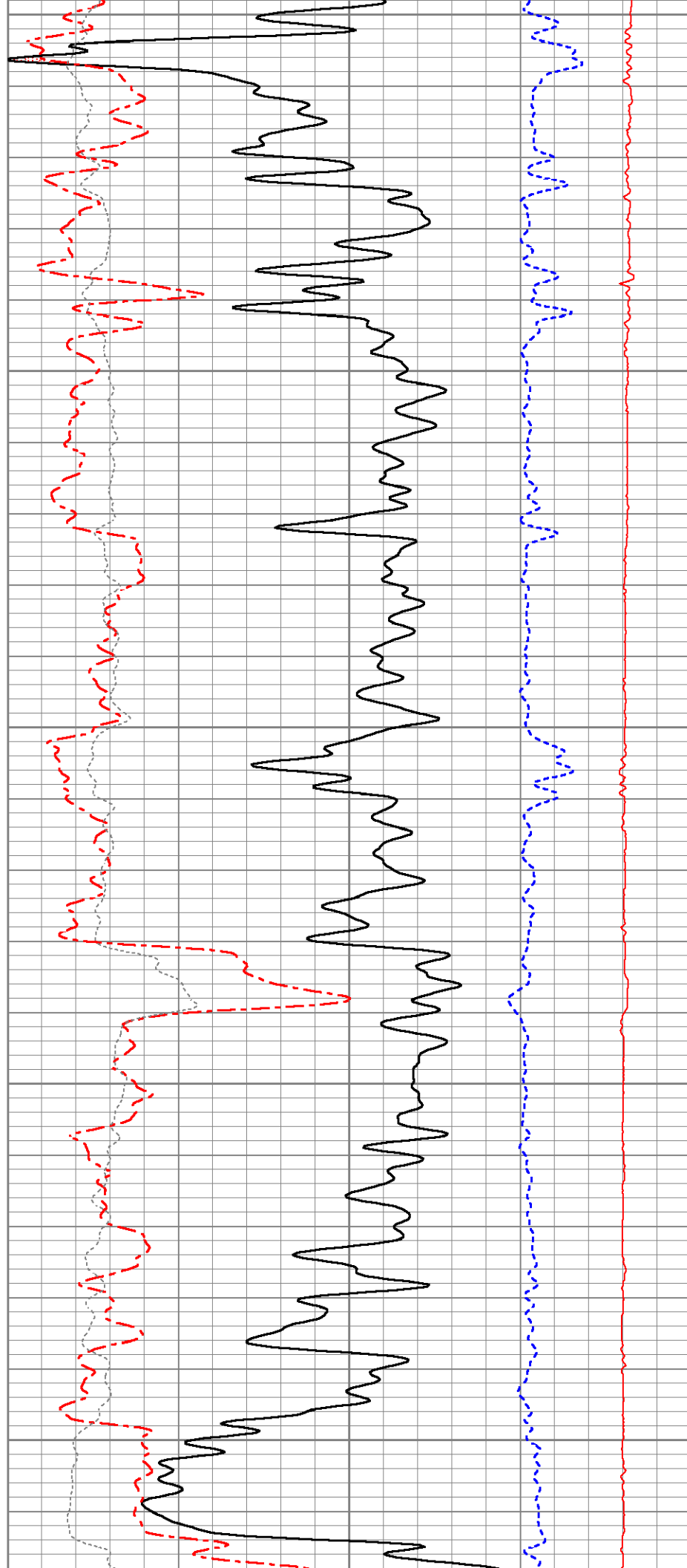
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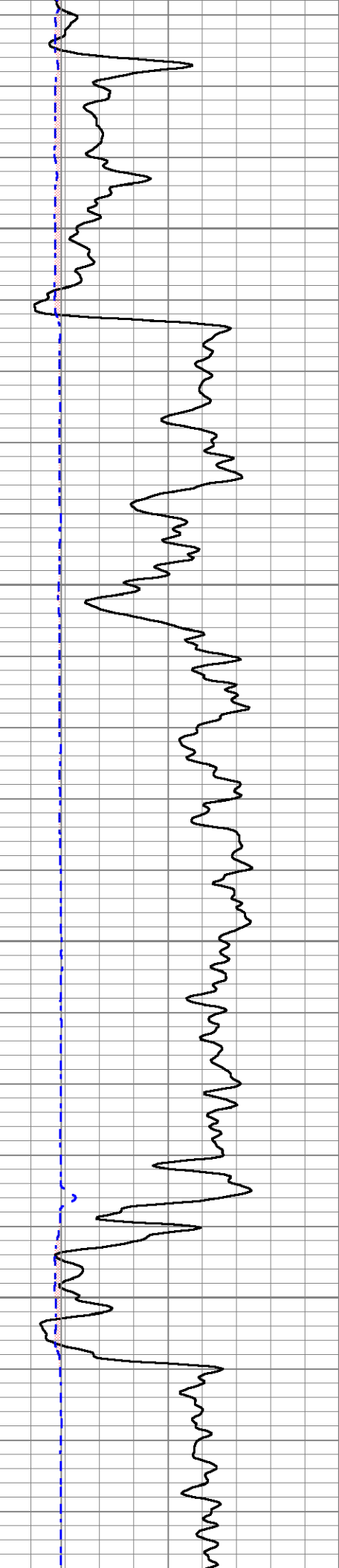
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1700

1750

1800



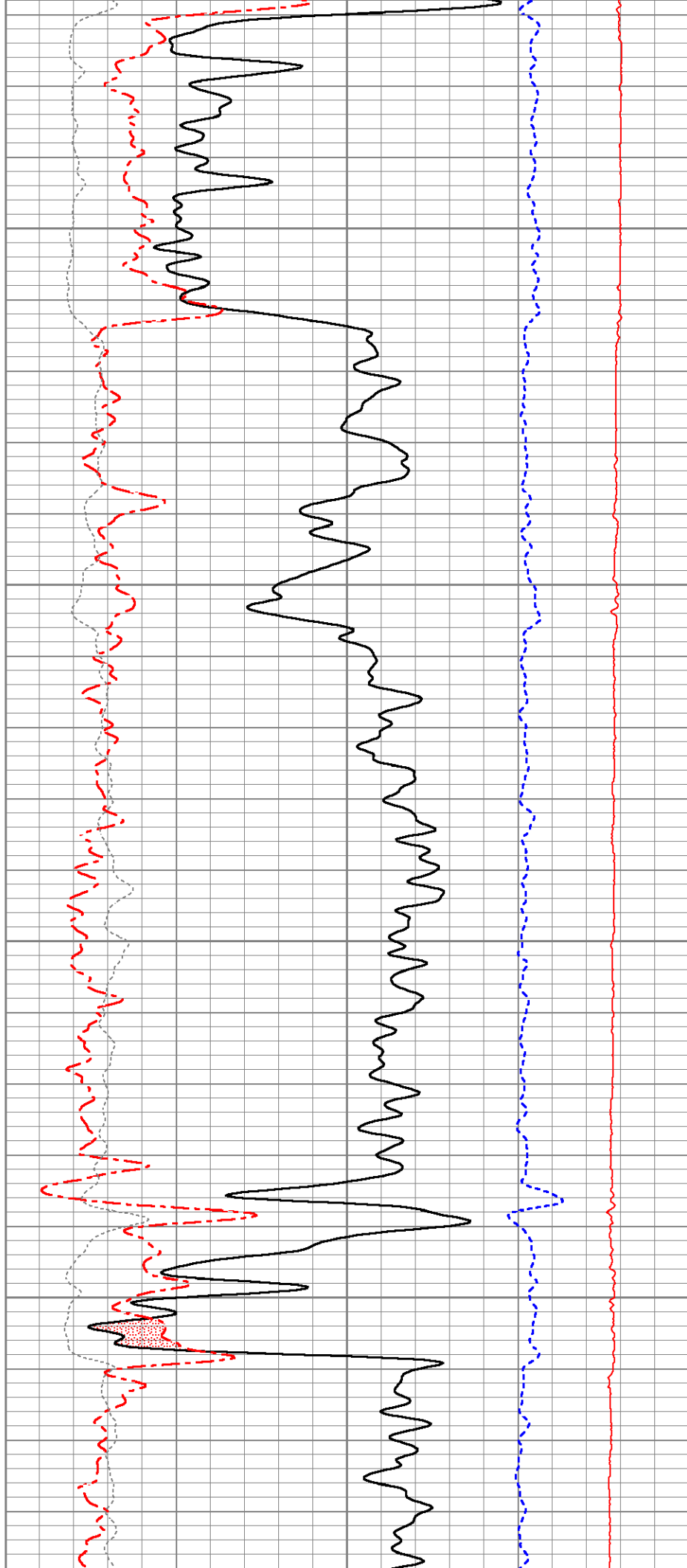


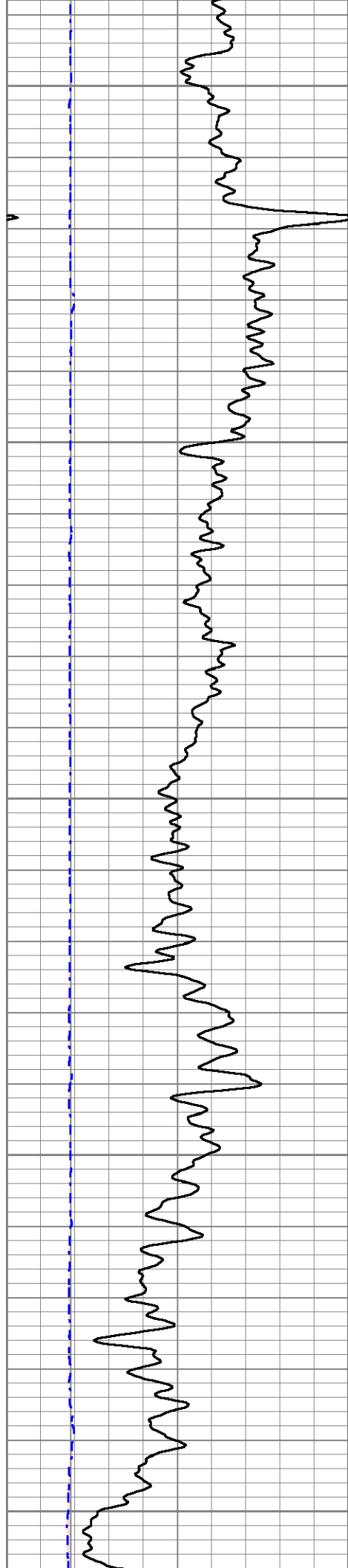
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1900

1950

2000





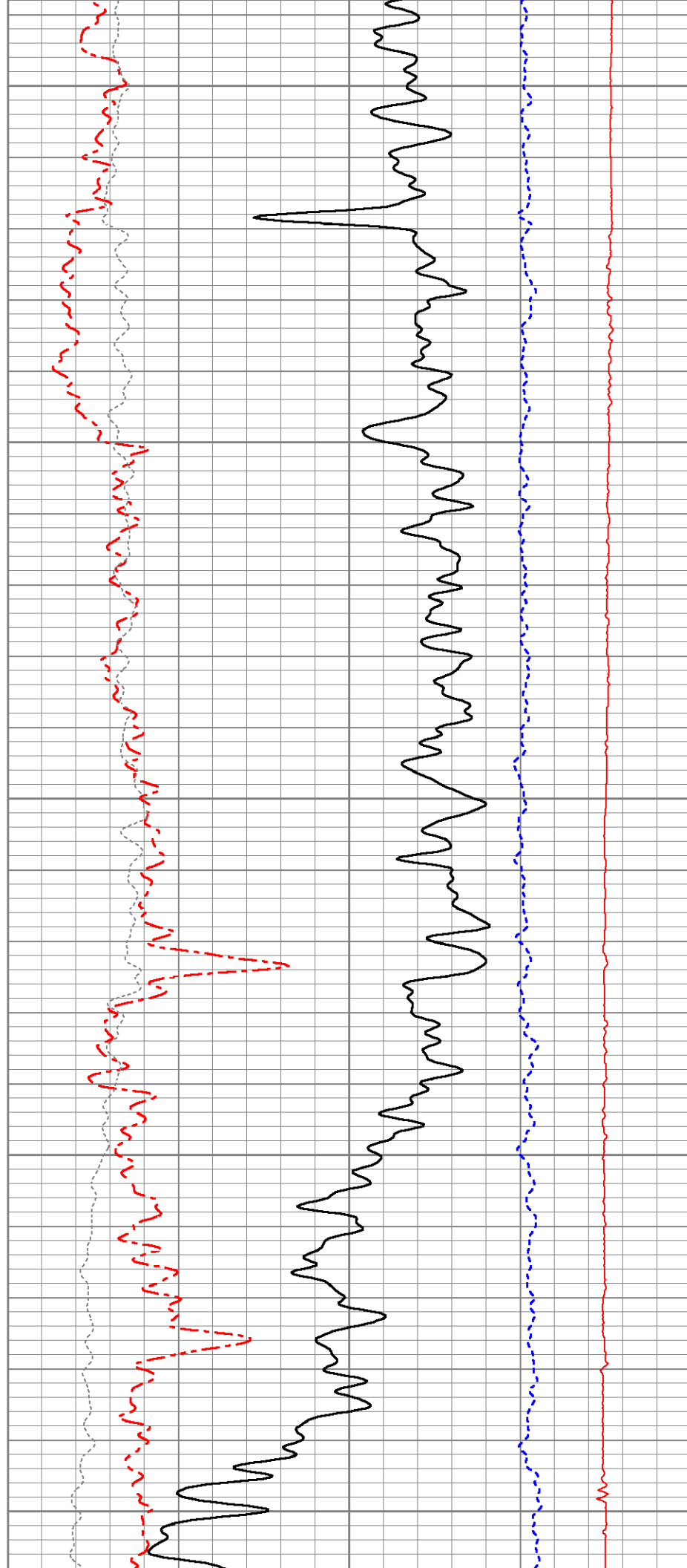
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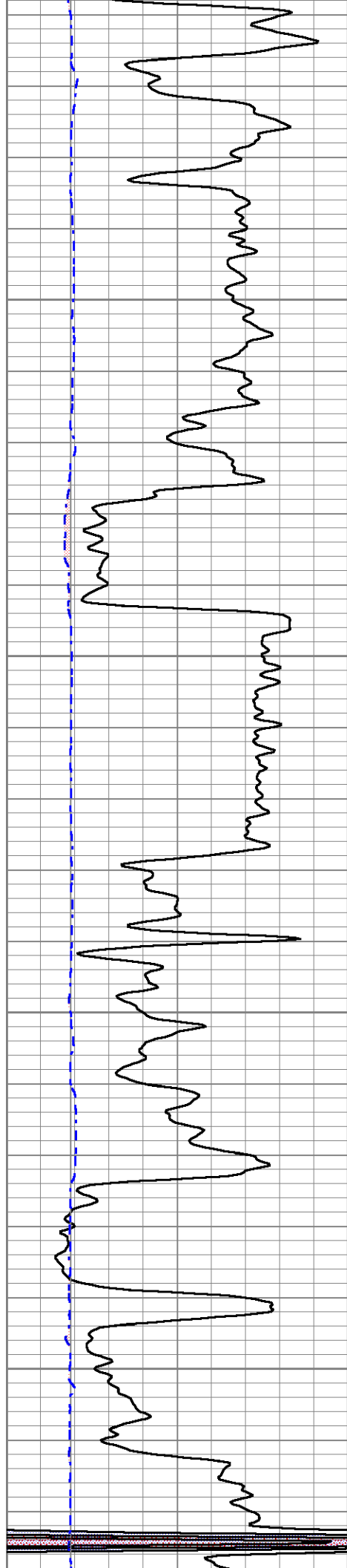
2100

2150

2200

2250



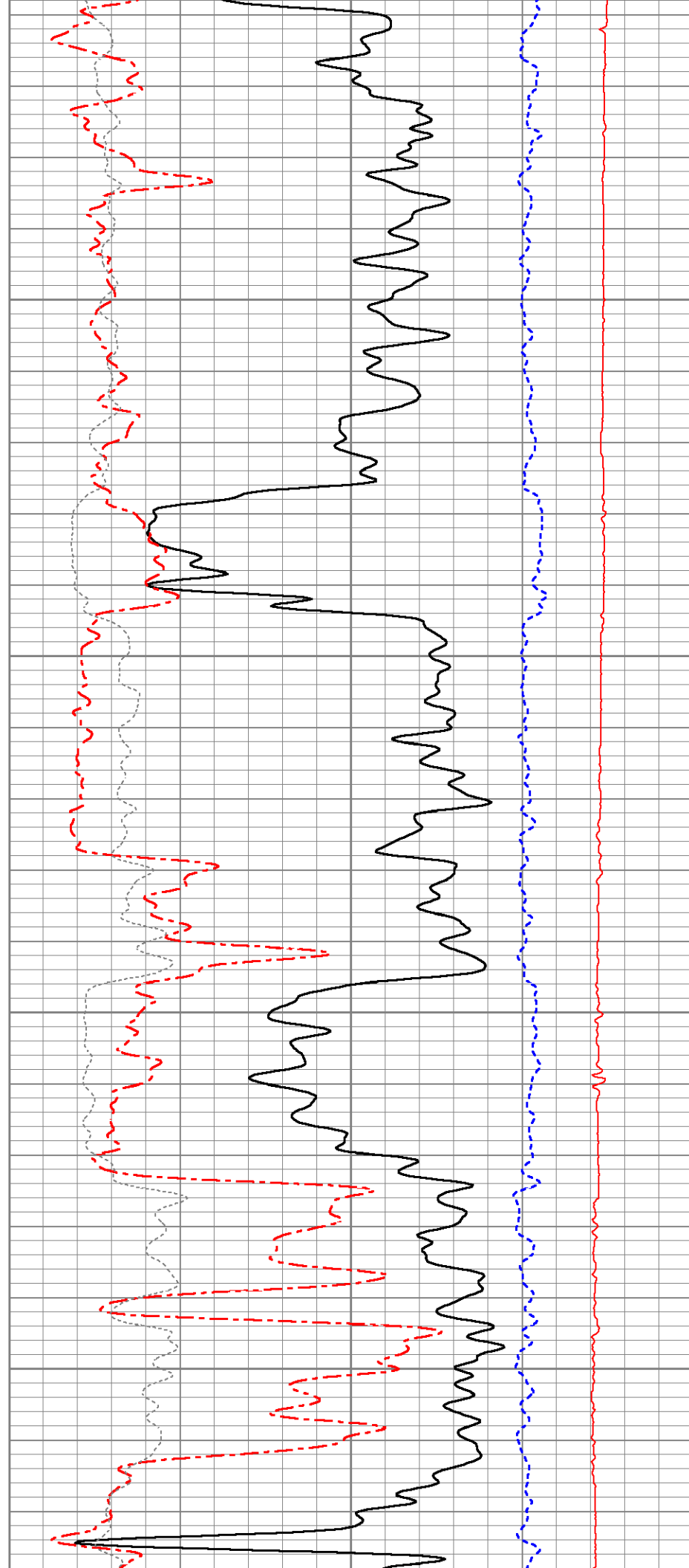


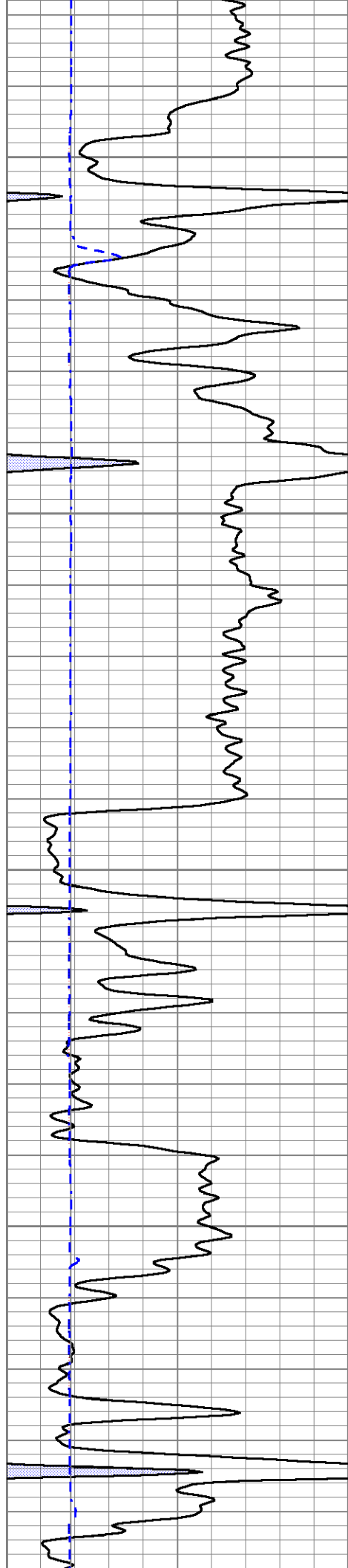
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2350

2400

2450



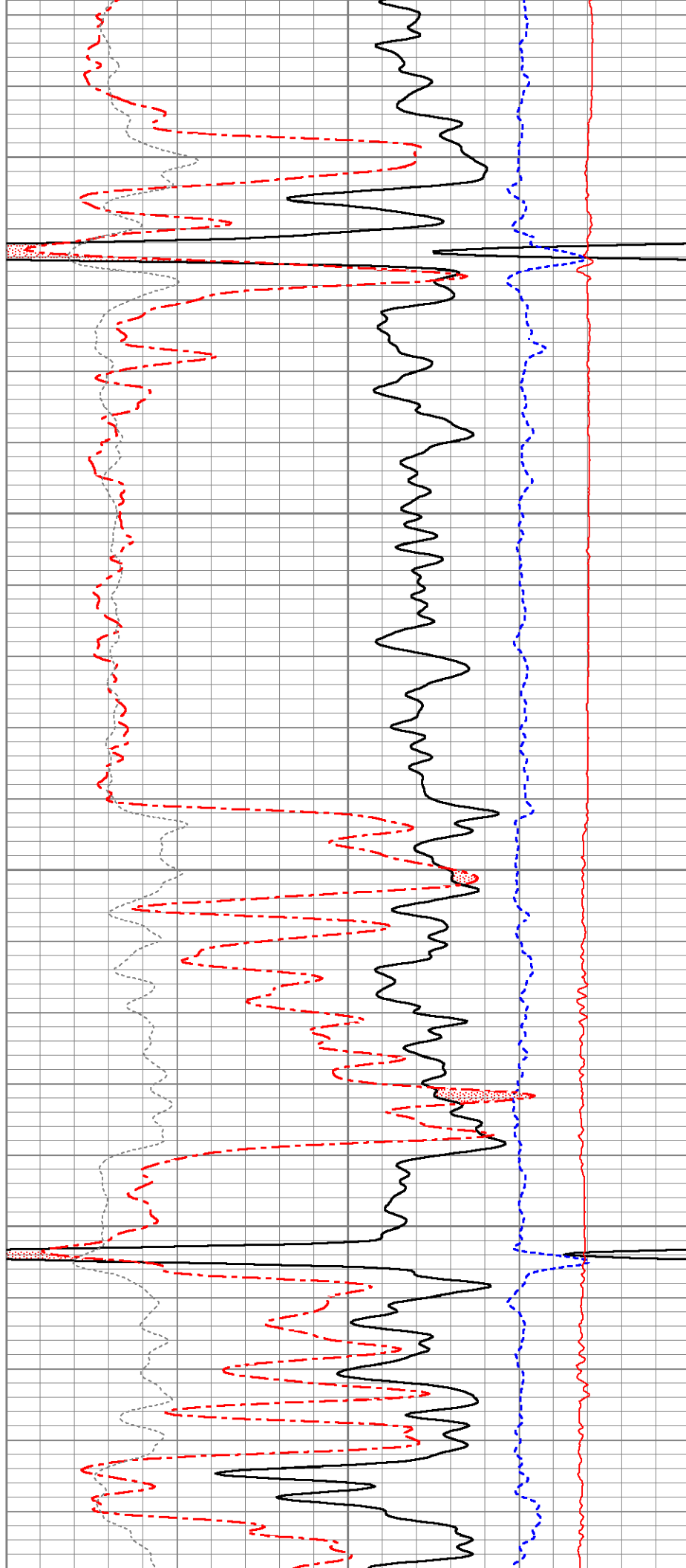


2500

2550

2600

2650



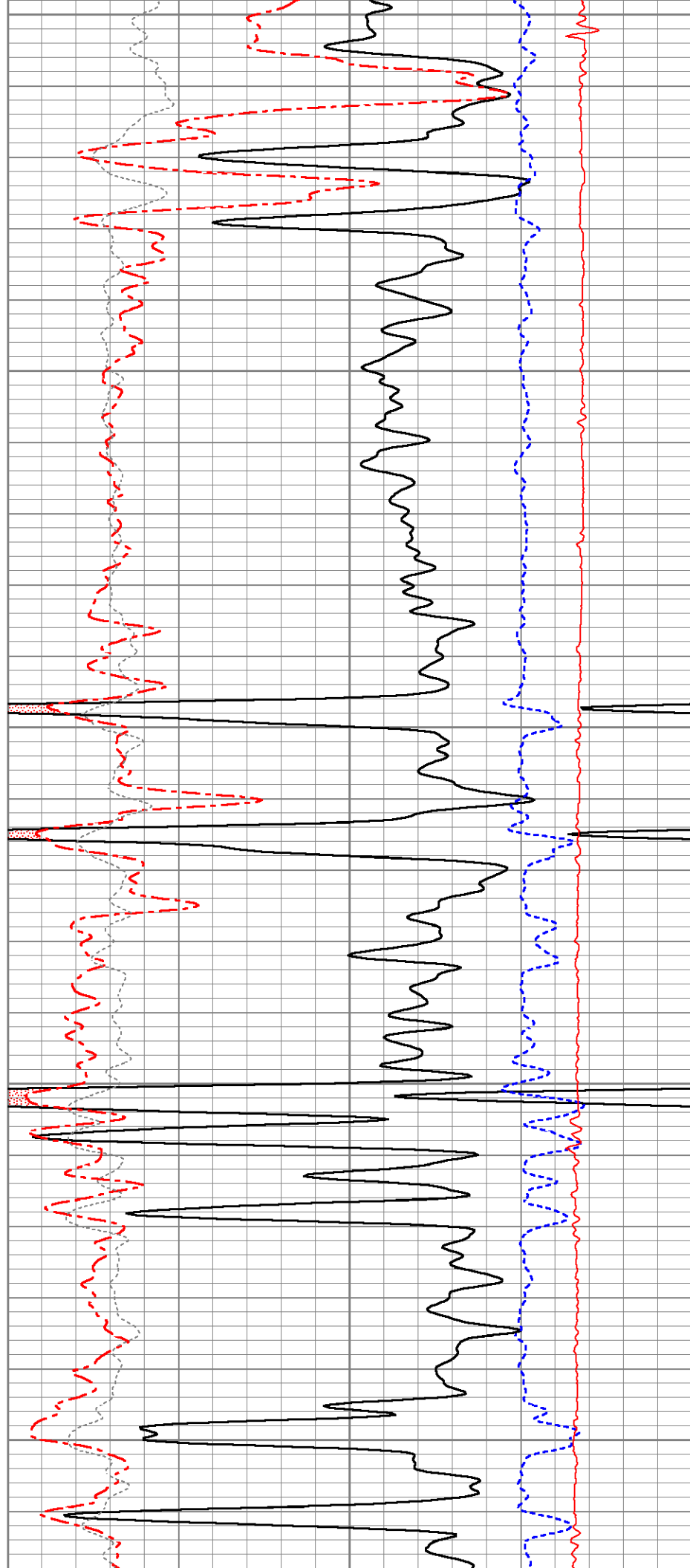
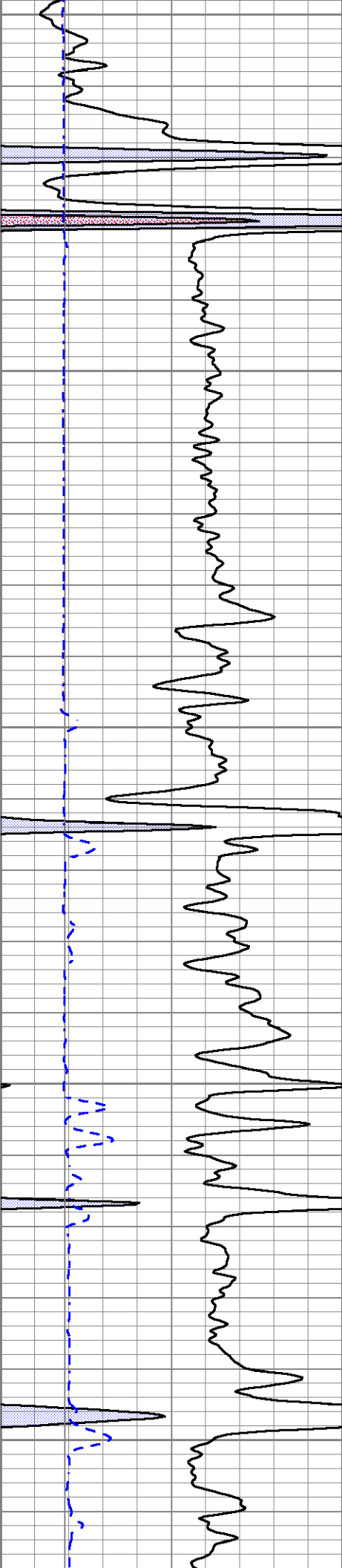
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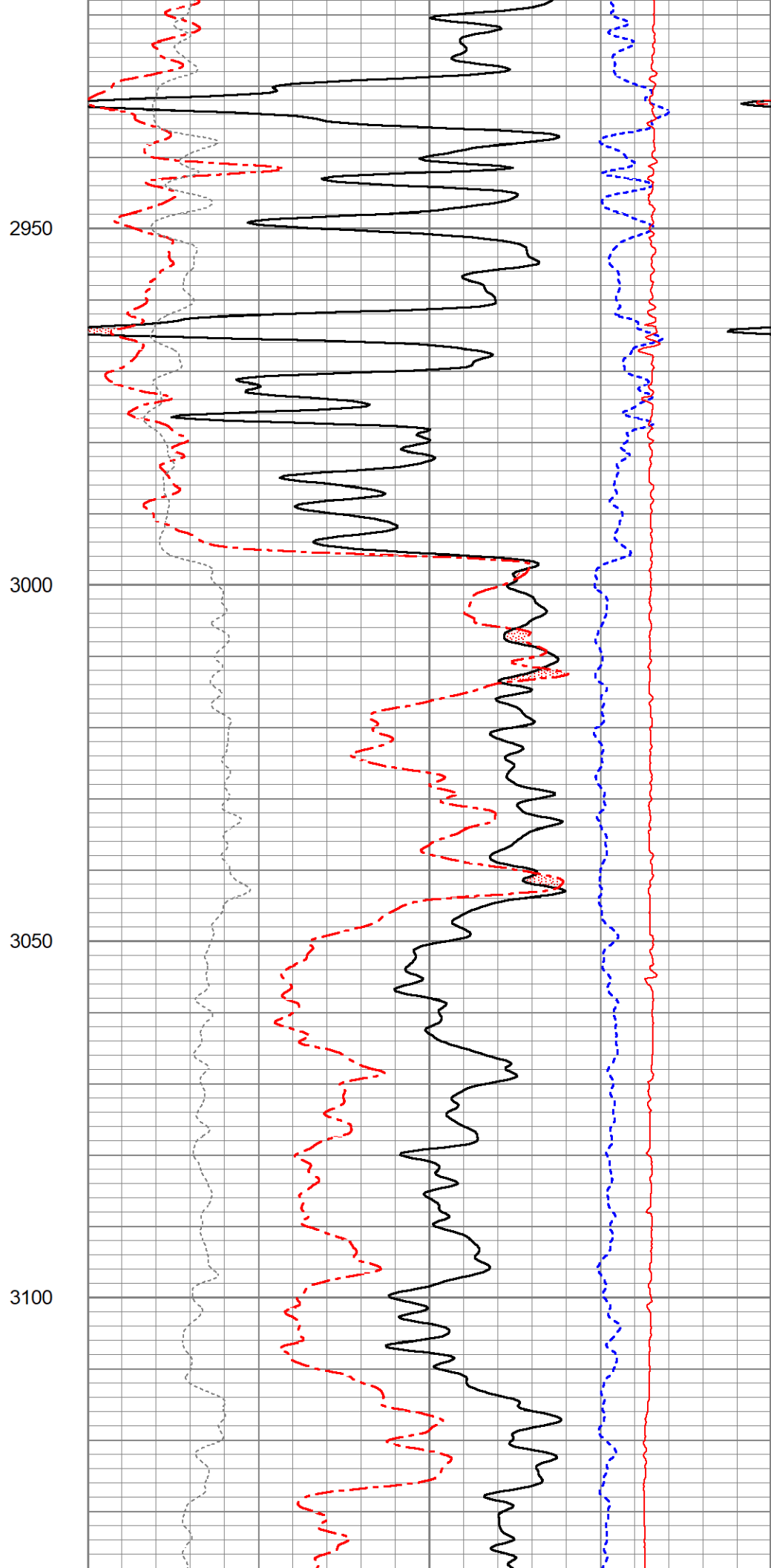
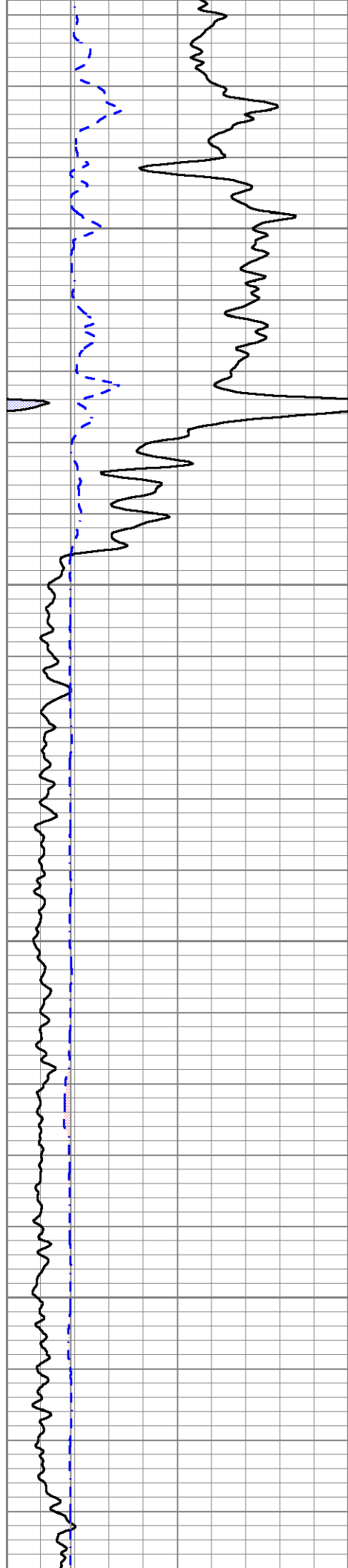
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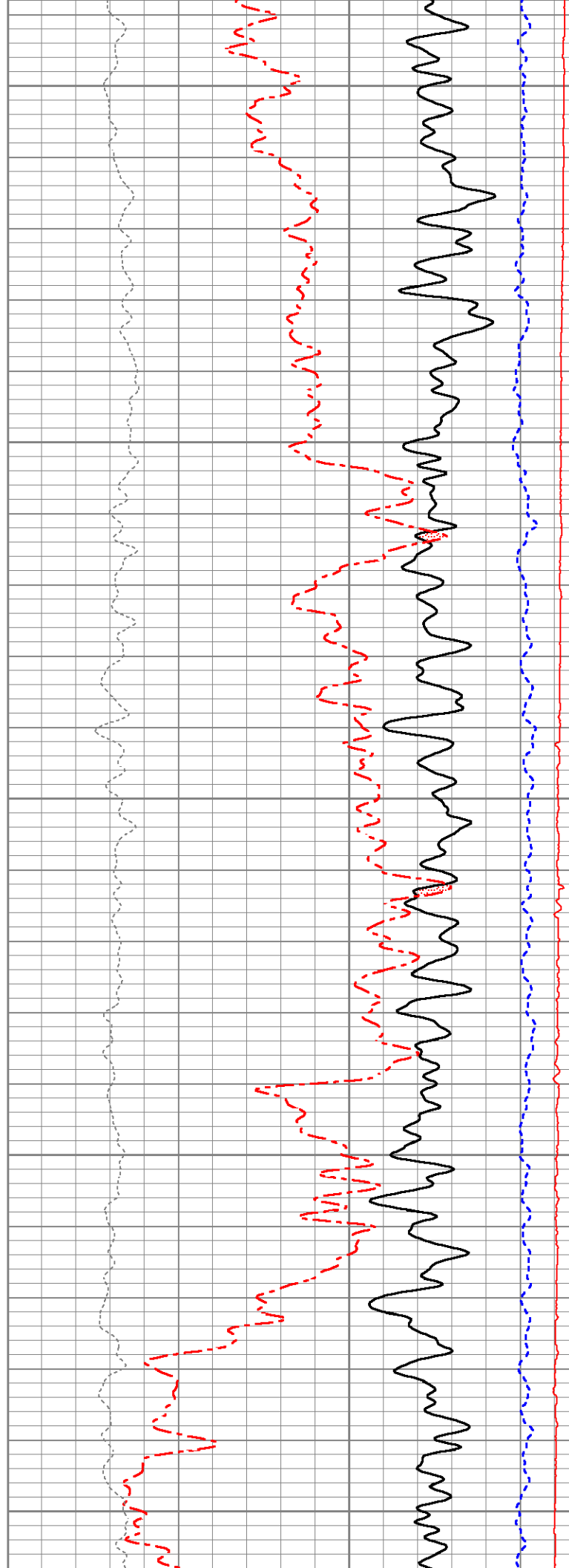
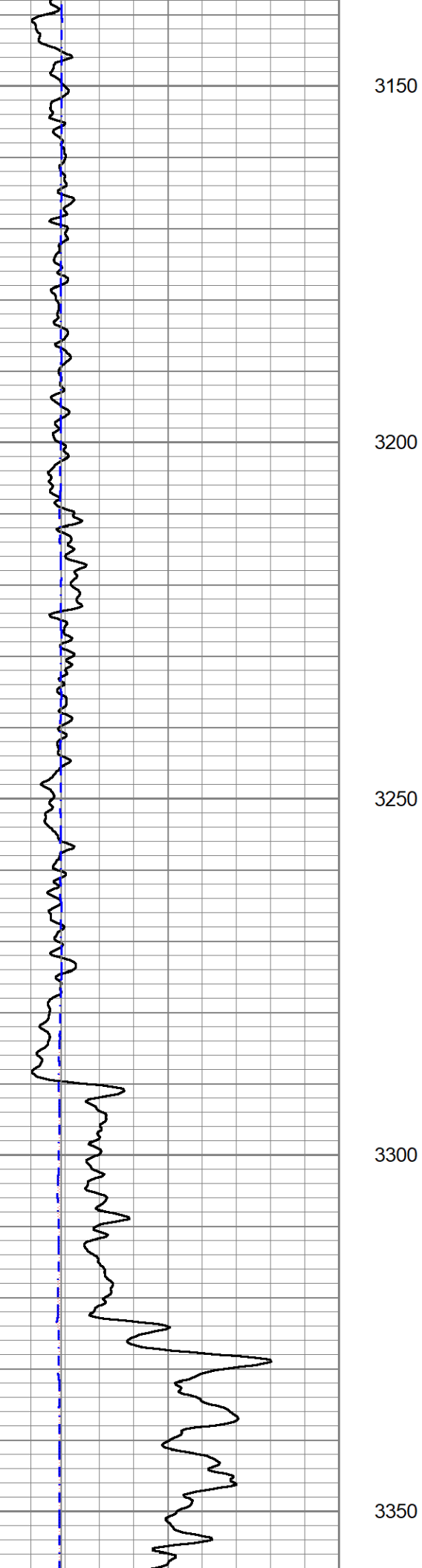
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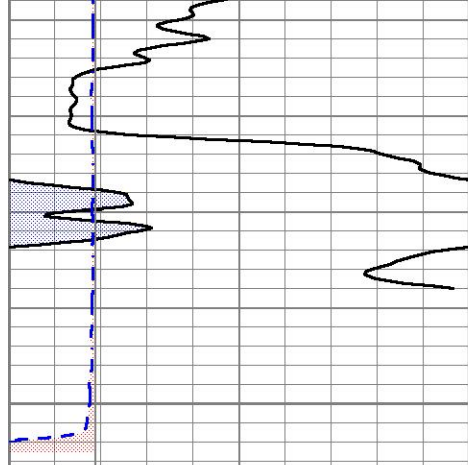
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2900



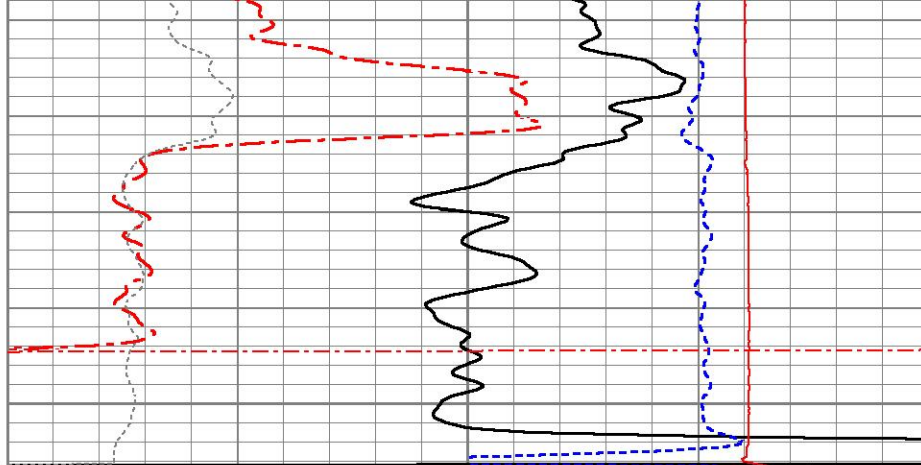






0	Gamma Ray (GAPI)	150
6	Bit size (in)	16
6	Density Caliper (in)	16

3400



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

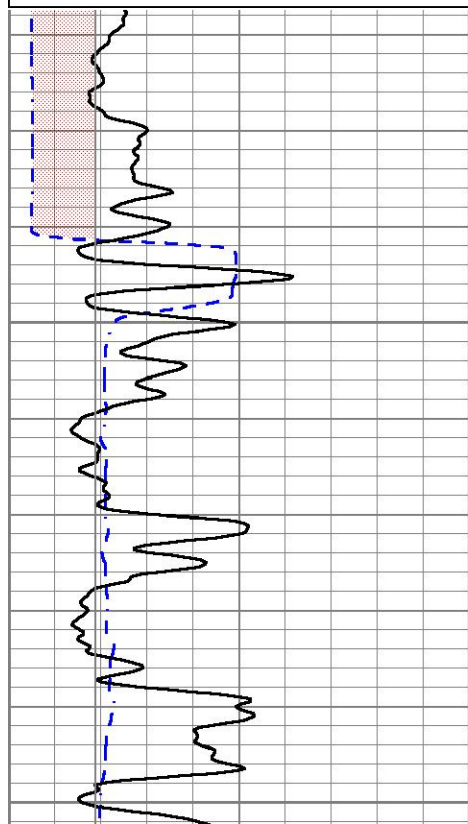


5" LITHO DENSITY LOG

Database File ow2-9144 val energy.db
 Dataset Pathname pass4.4
 Presentation Format stcdl-6-16_5
 Dataset Creation Wed Nov 02 04:27:04 2022
 Charted by Depth in Feet scaled 1:240

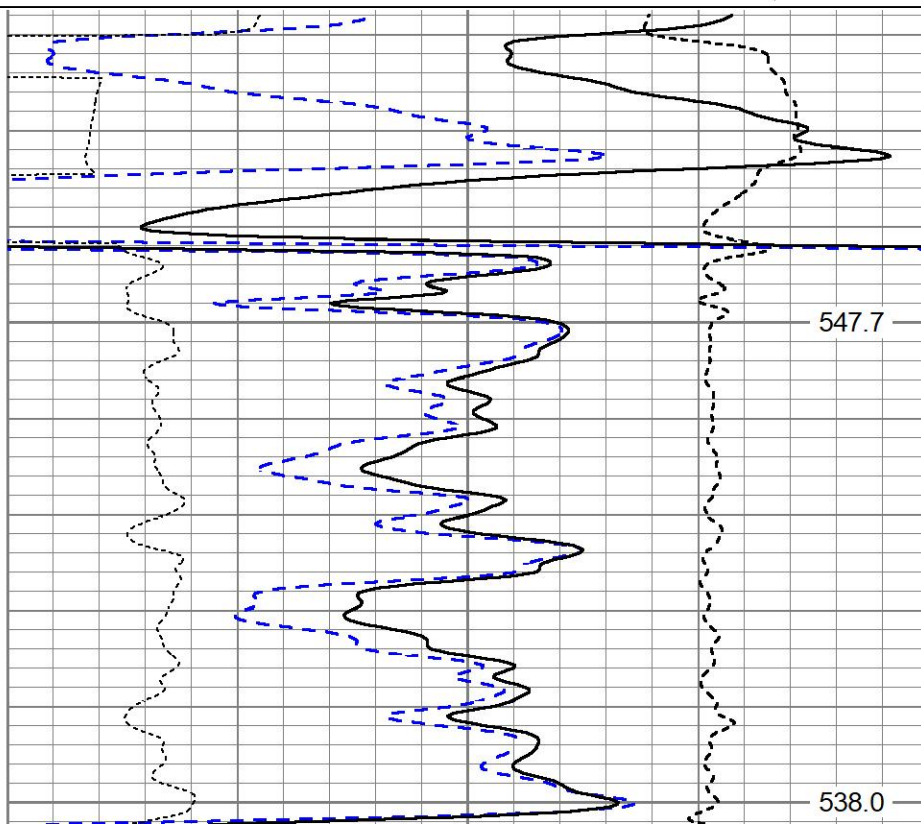
6	Density Caliper (in)	16
0	Gamma Ray (GAPI)	150
6	Bit Size (in)	16

30	Density Porosity (pu)			-10	
2	Bulk Density (g/cc)			3	
0	PE (barn)	10	-0.5	Correction (g/cc)	0.5
					ABHV (ft3)



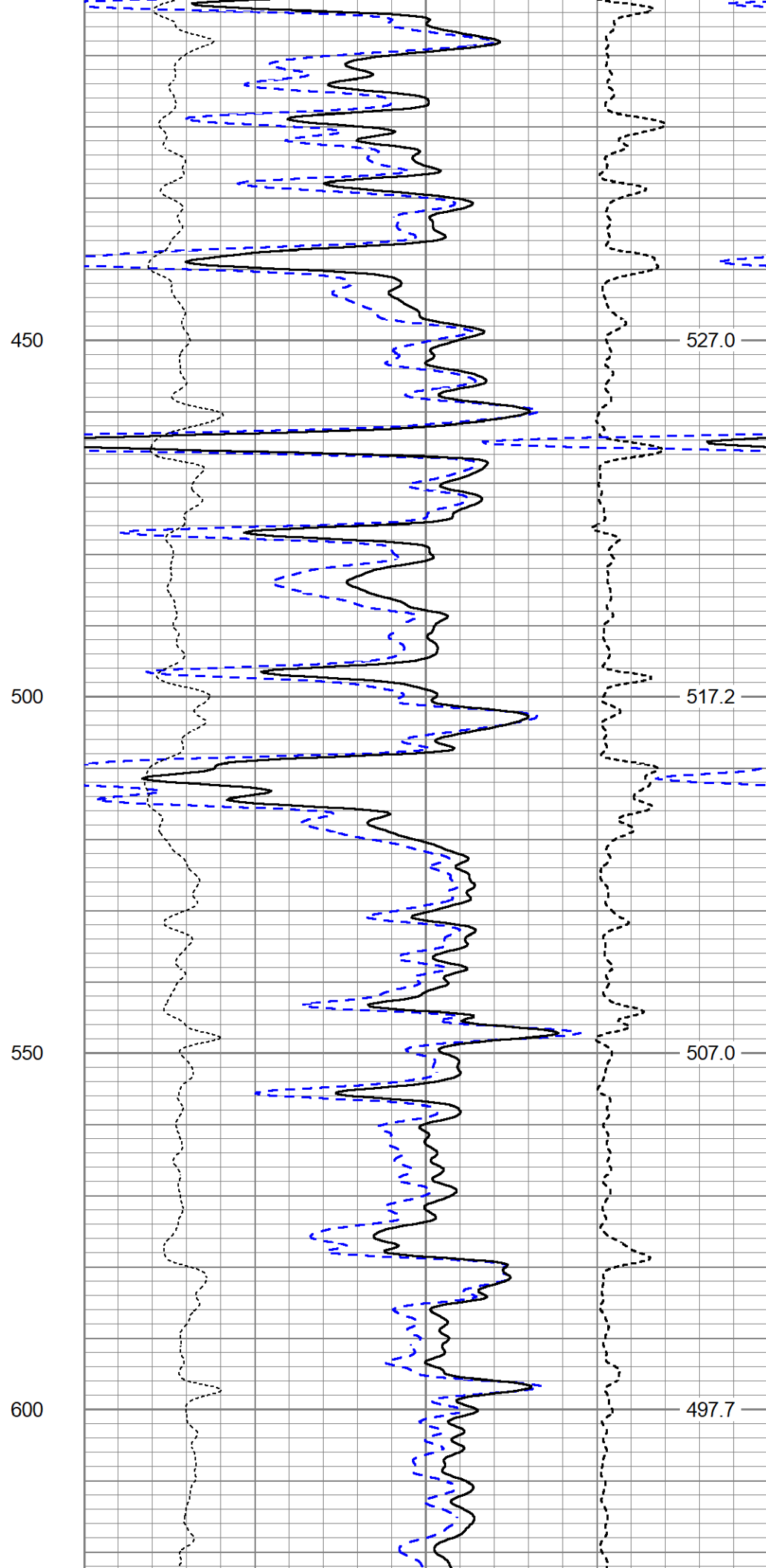
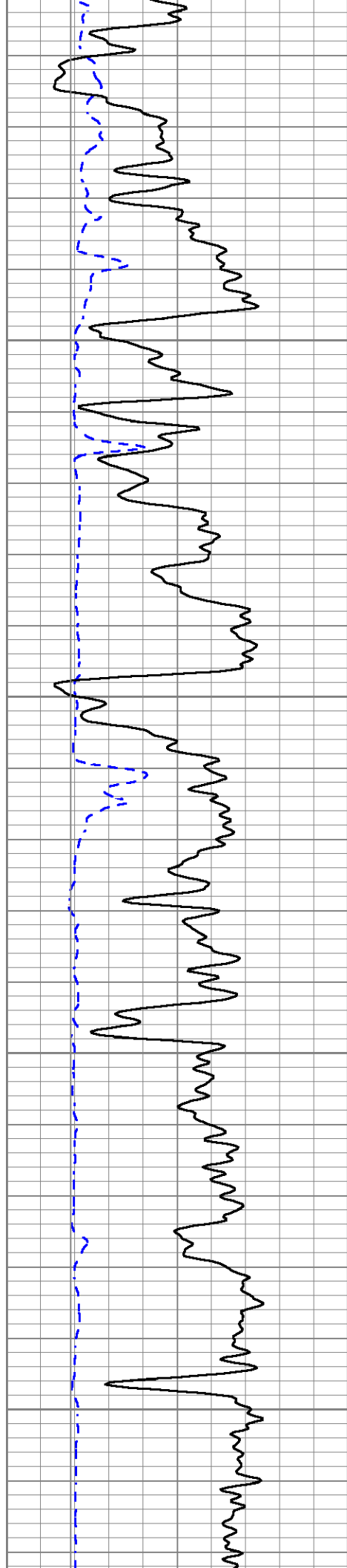
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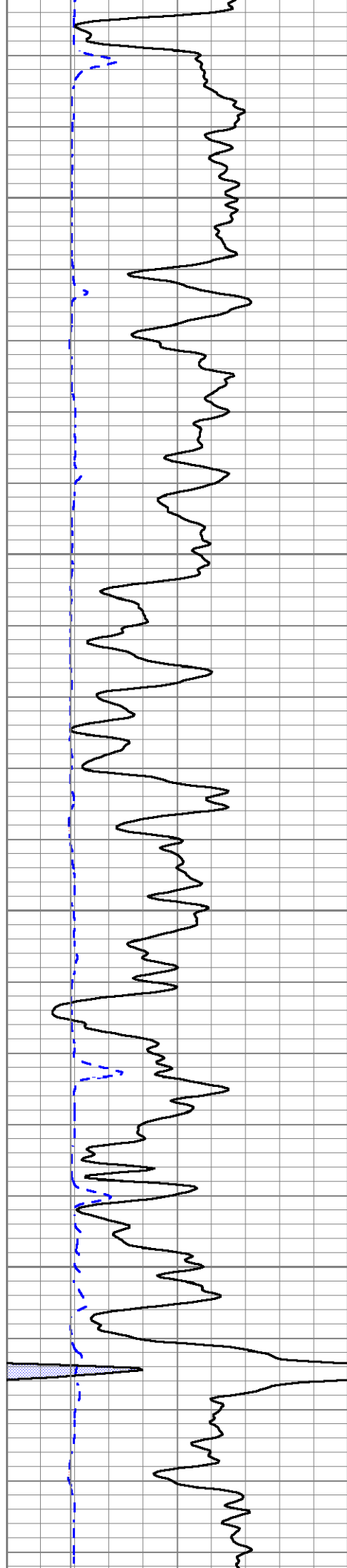
400



547.7

538.0



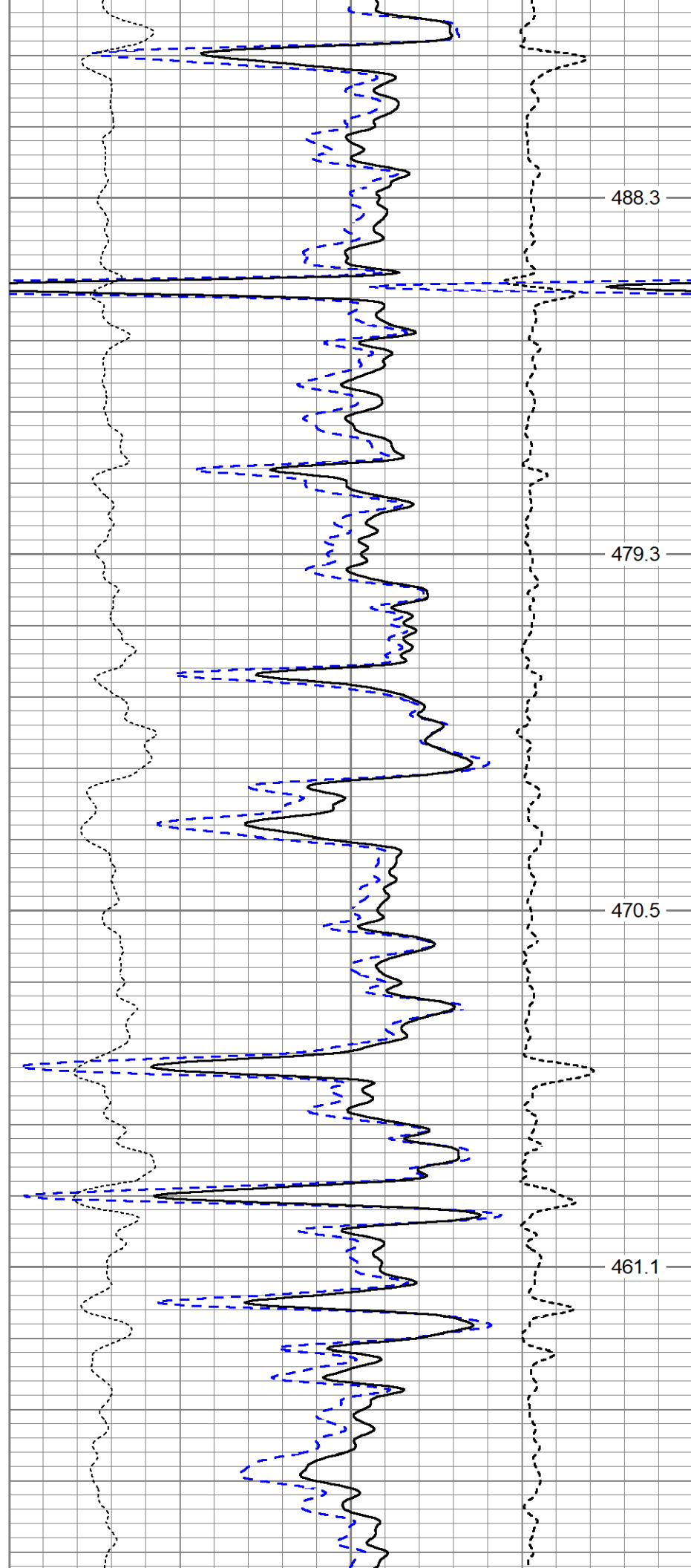


650

700

750

800



488.3

479.3

470.5

461.1



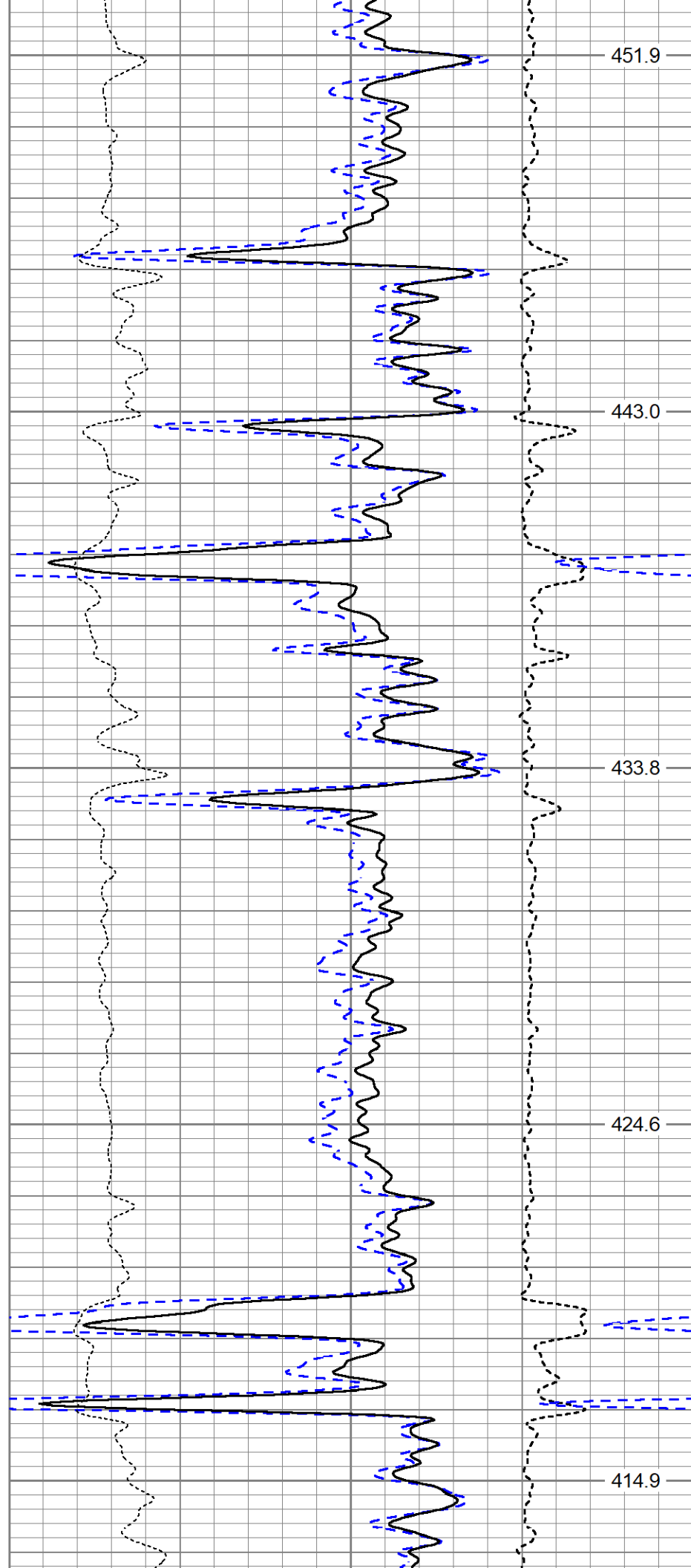
850

900

950

1000

1050



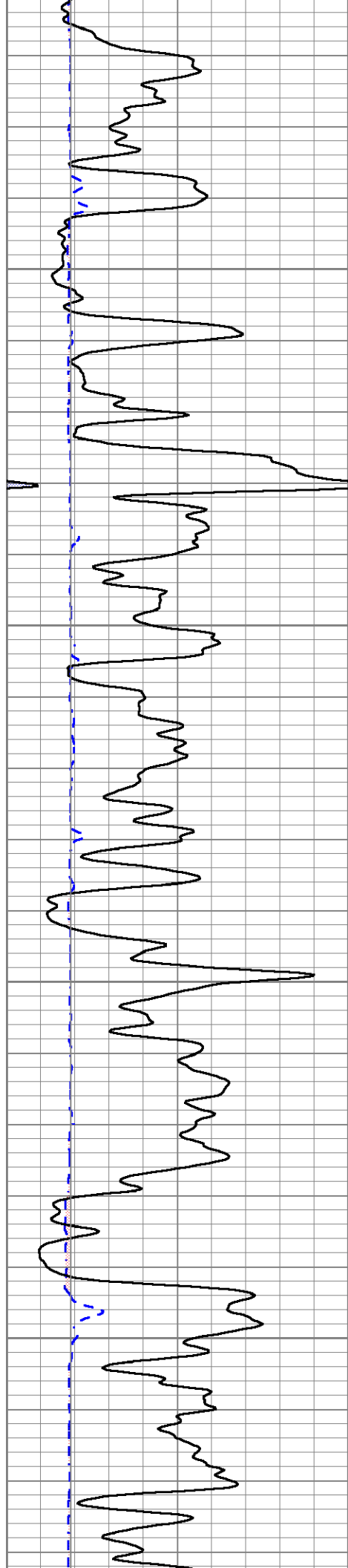
451.9

443.0

433.8

424.6

414.9

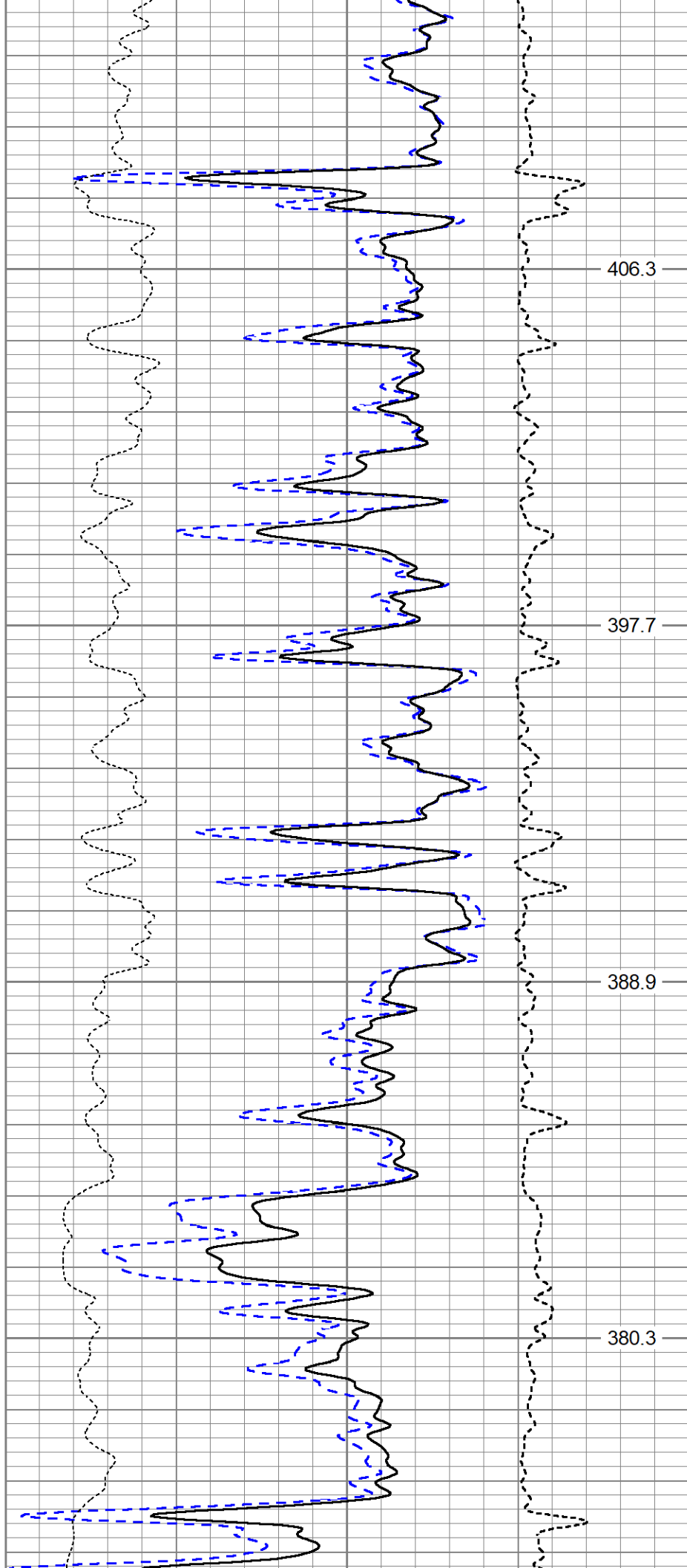


1100

1150

1200

1250

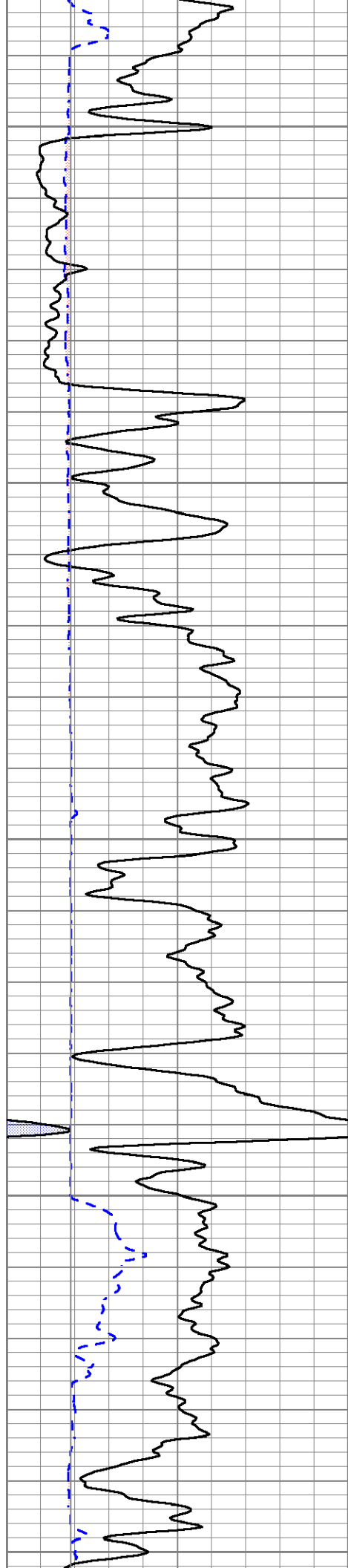


406.3

397.7

388.9

380.3



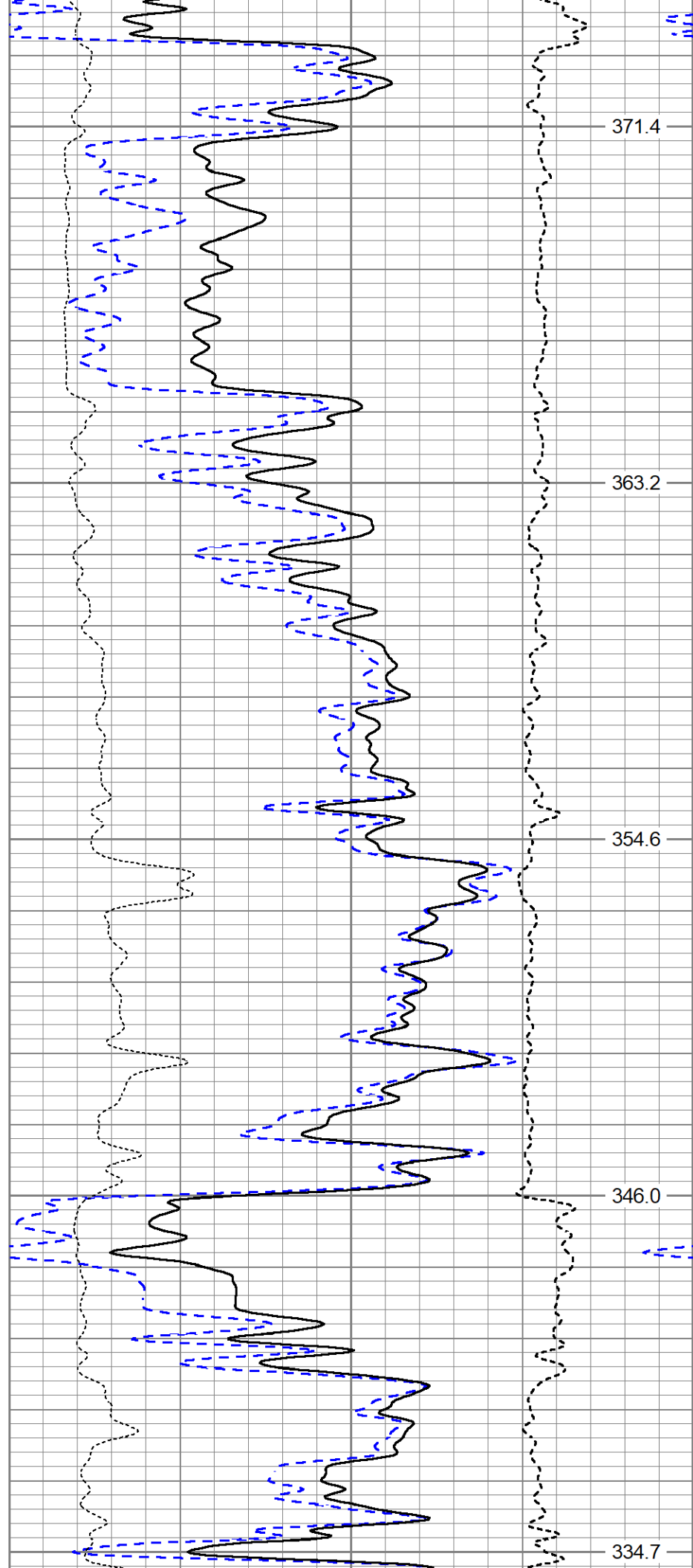
1300

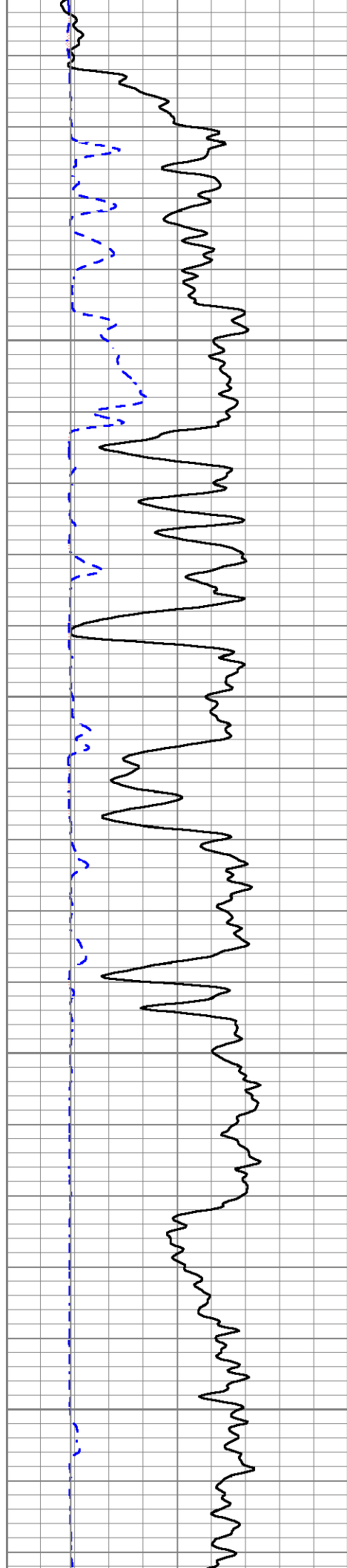
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1400

1450

1500



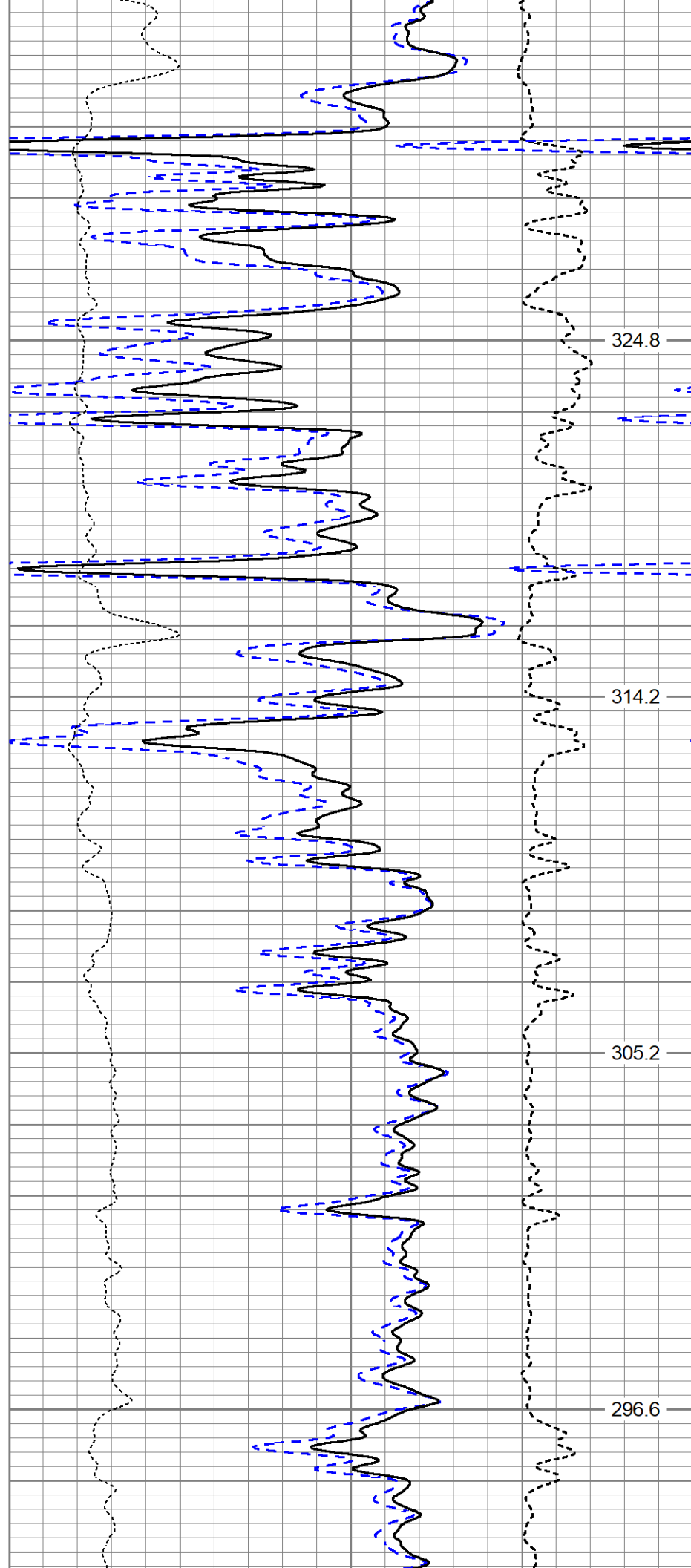


1550

1600

1650

1700

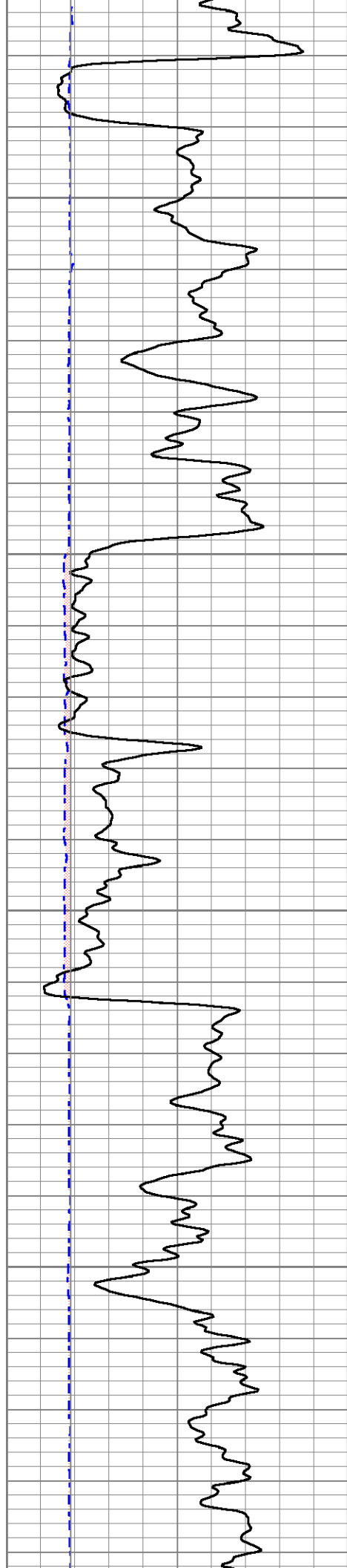


324.8

314.2

305.2

296.6

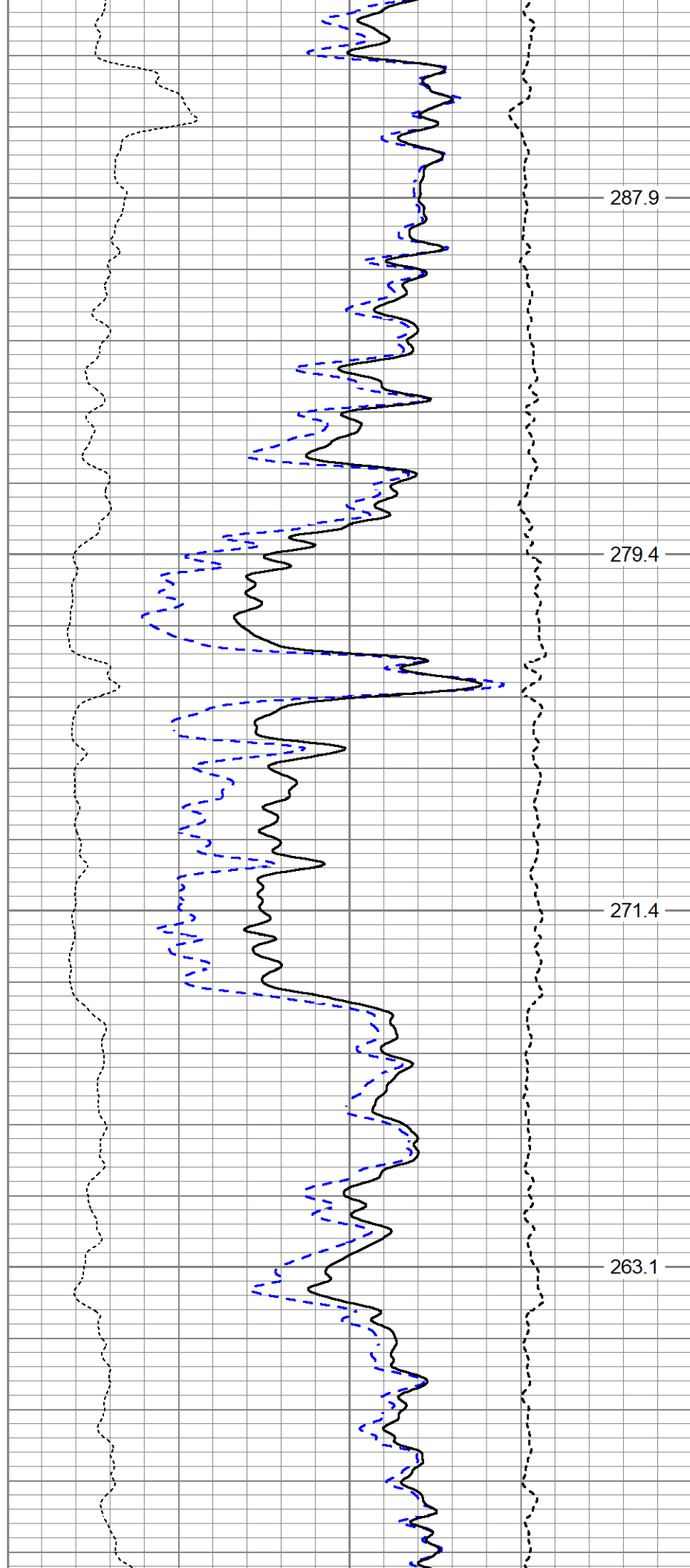


1750

1800

1850

1900

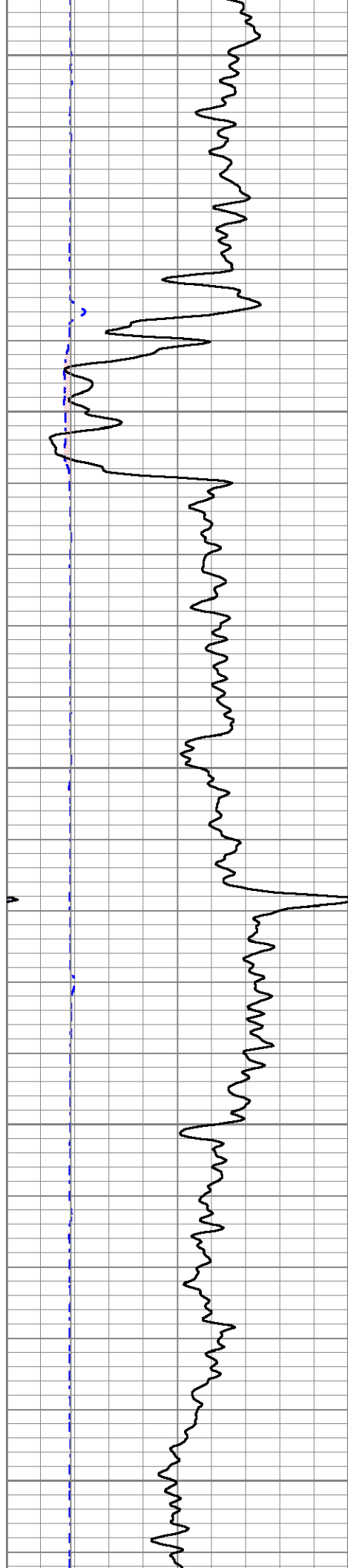


287.9

279.4

271.4

263.1



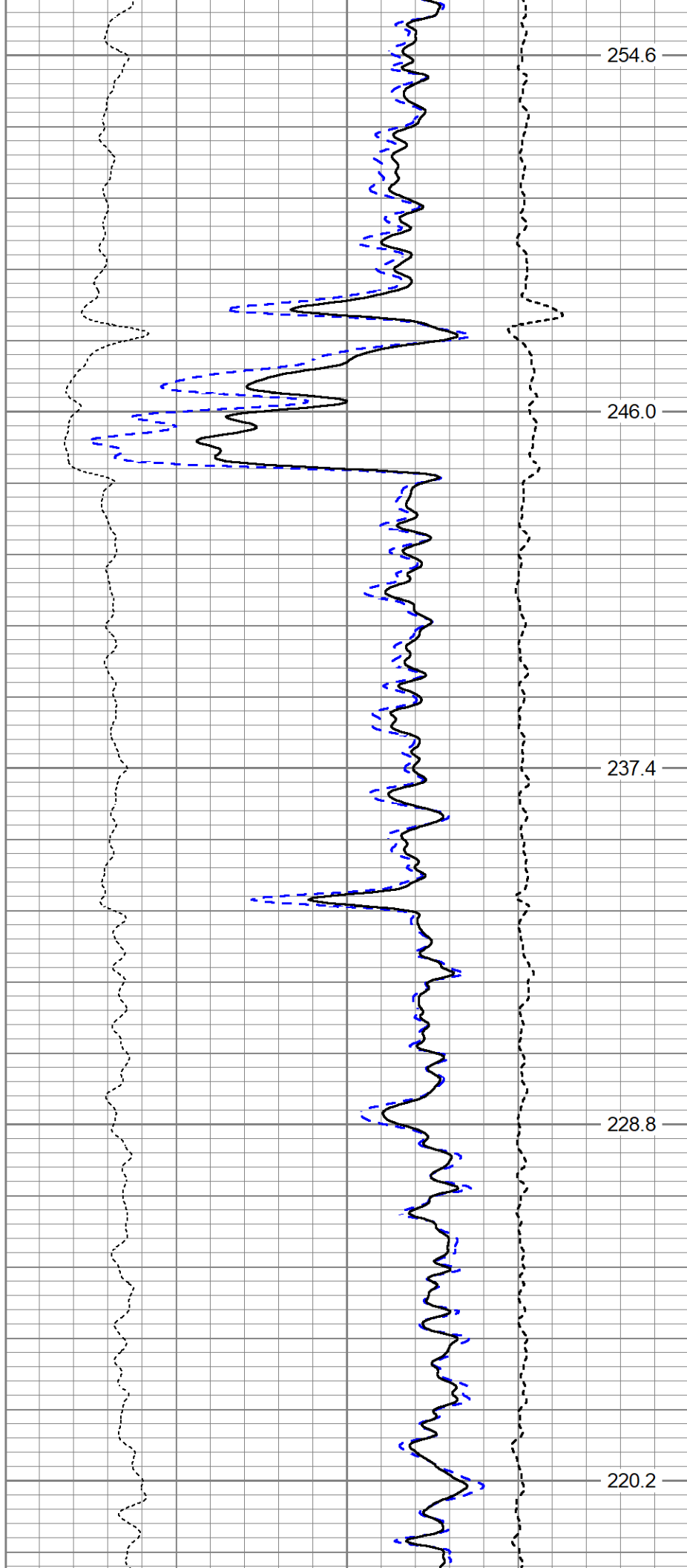
1950

2000

2050

2100

2150



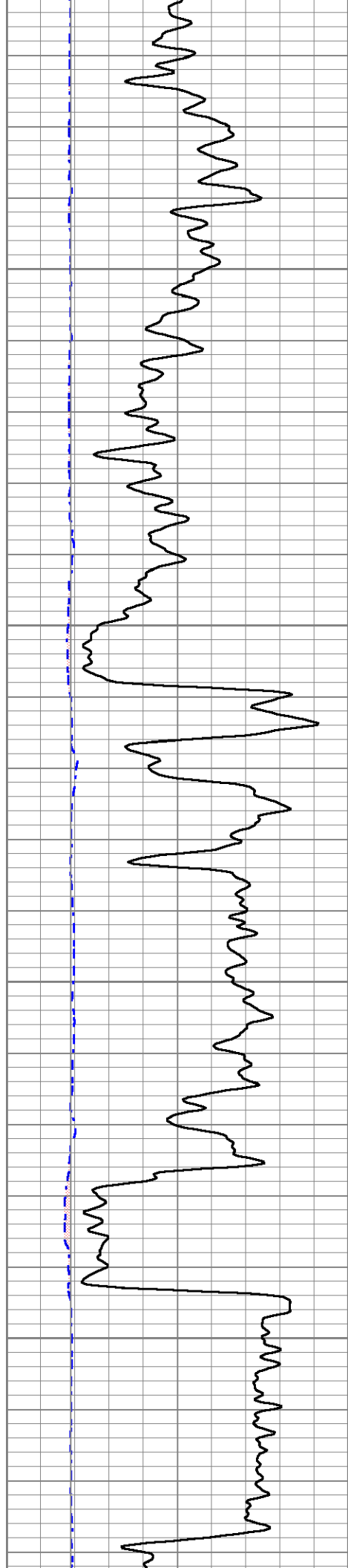
254.6

246.0

237.4

228.8

220.2

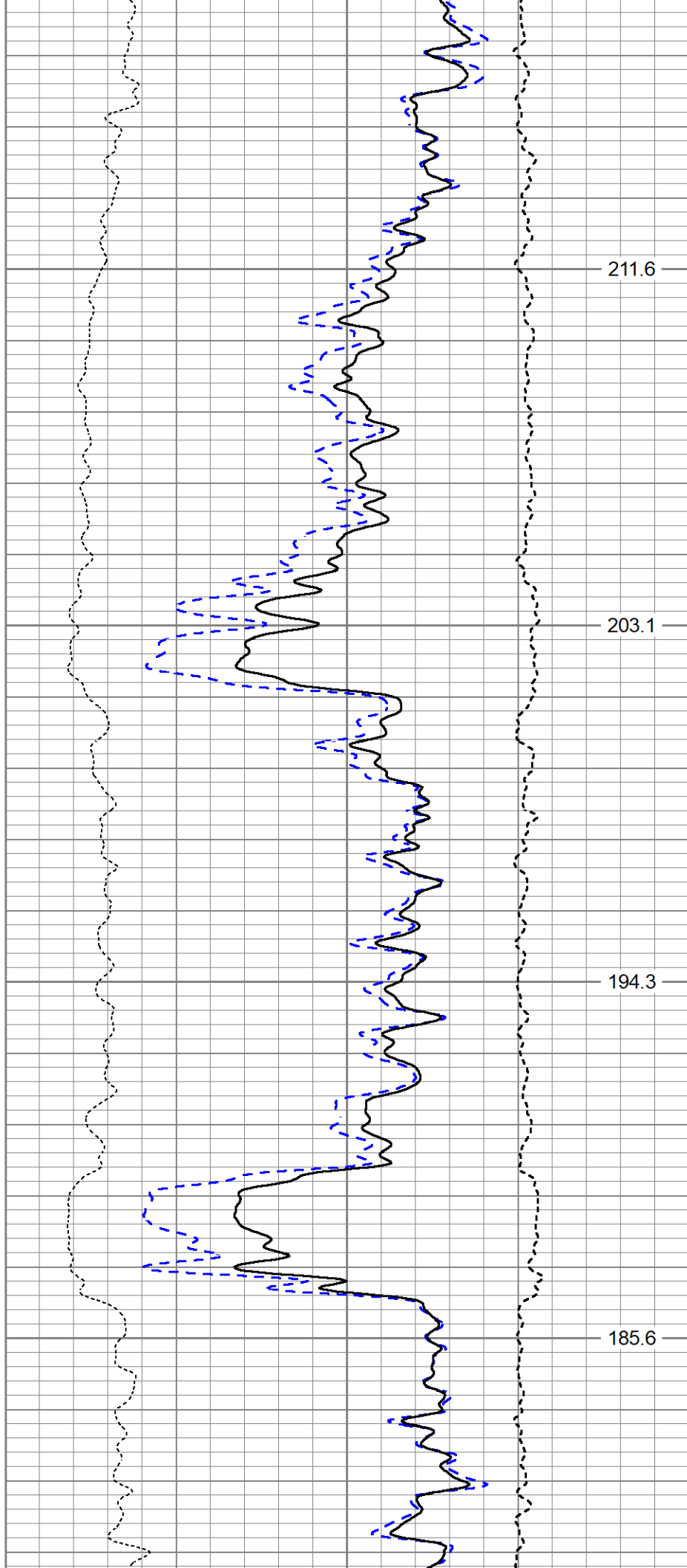


2200

2250

2300

2350

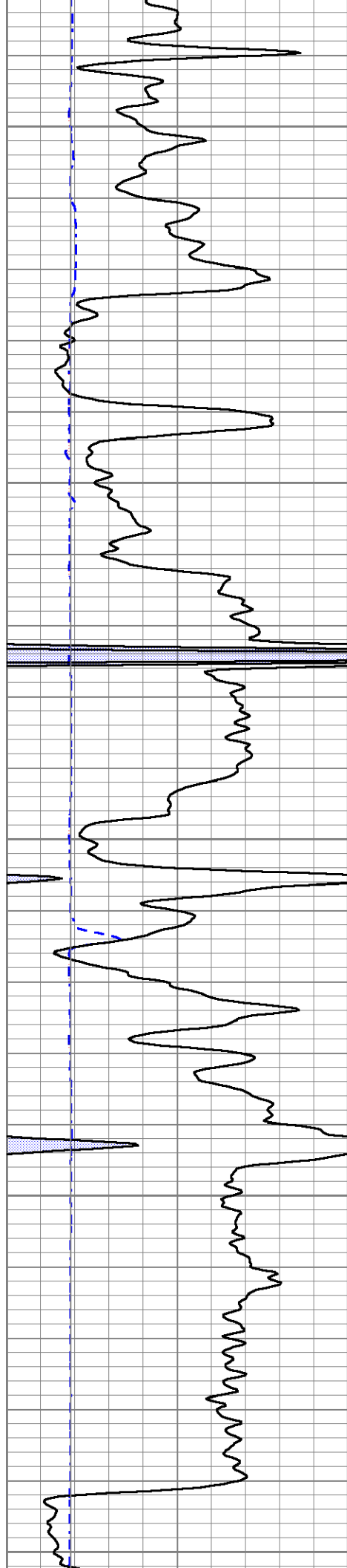


211.6

203.1

194.3

185.6



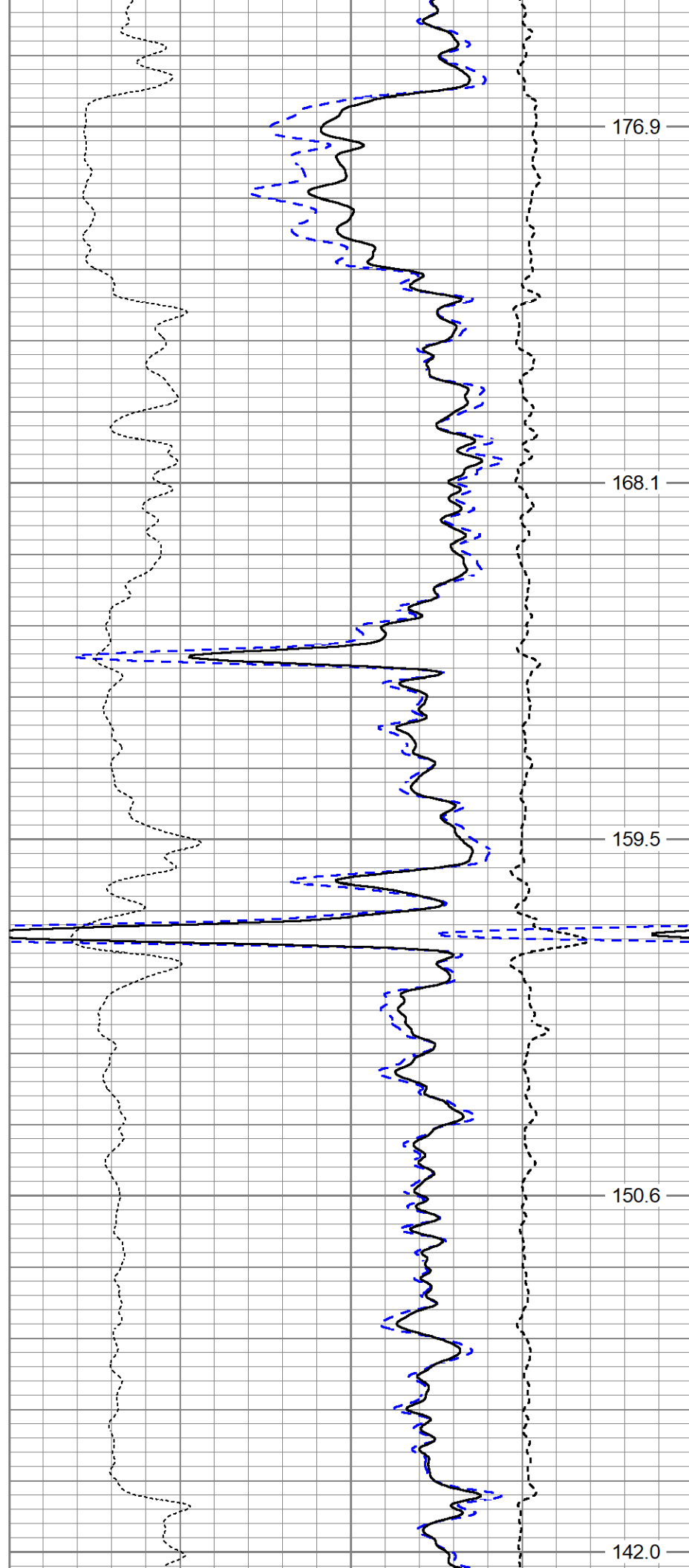
2400

2450

2500

2550

2600



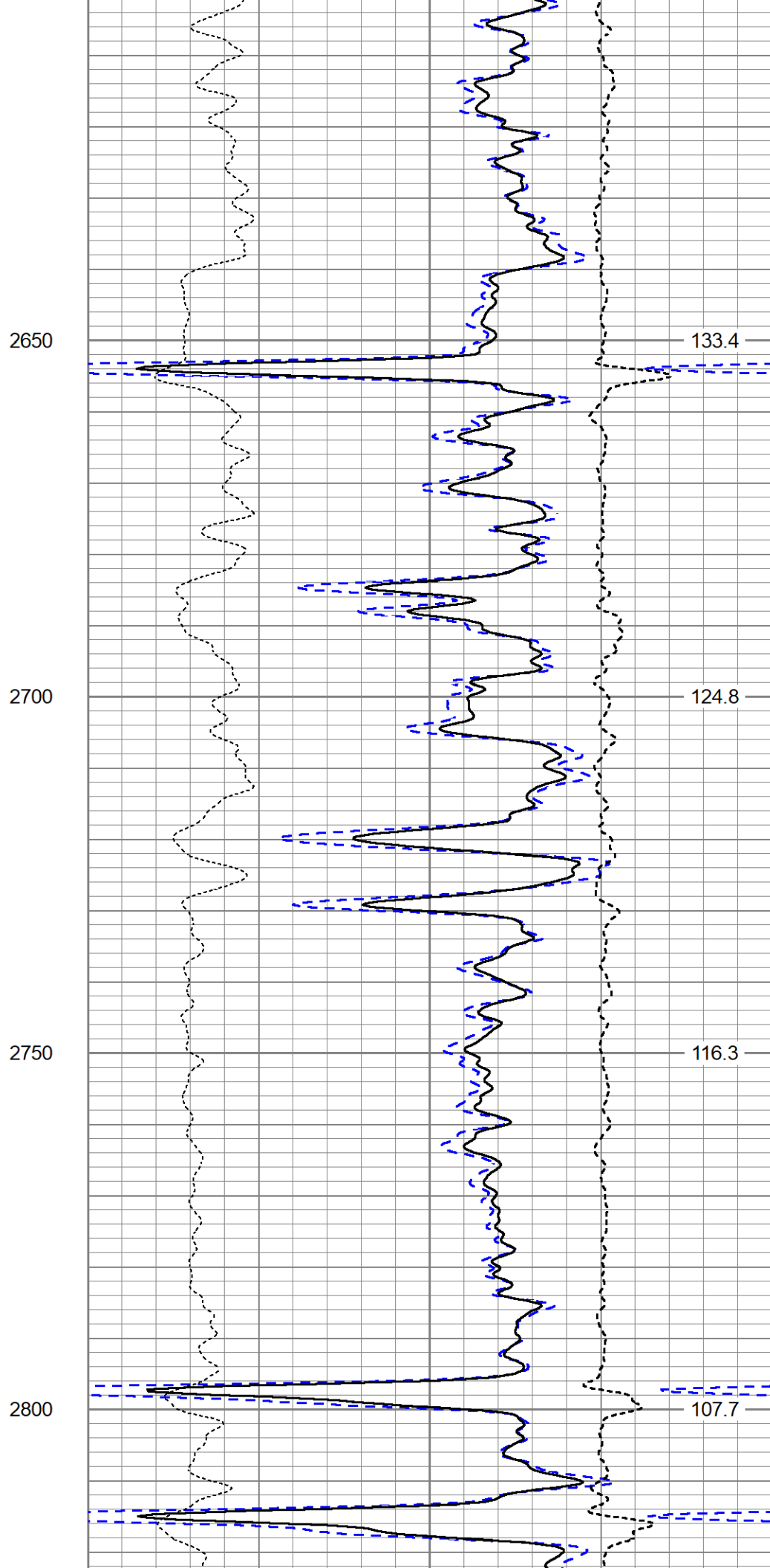
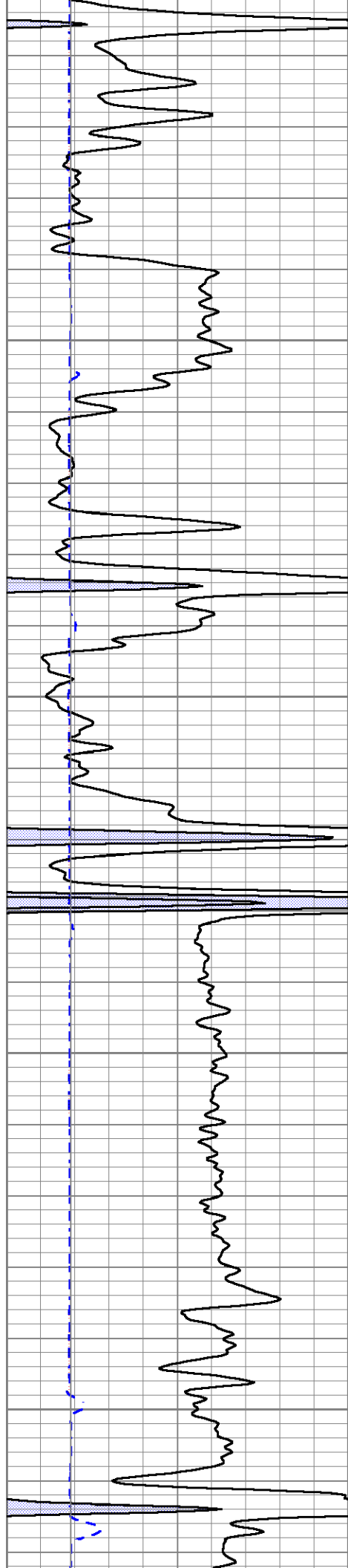
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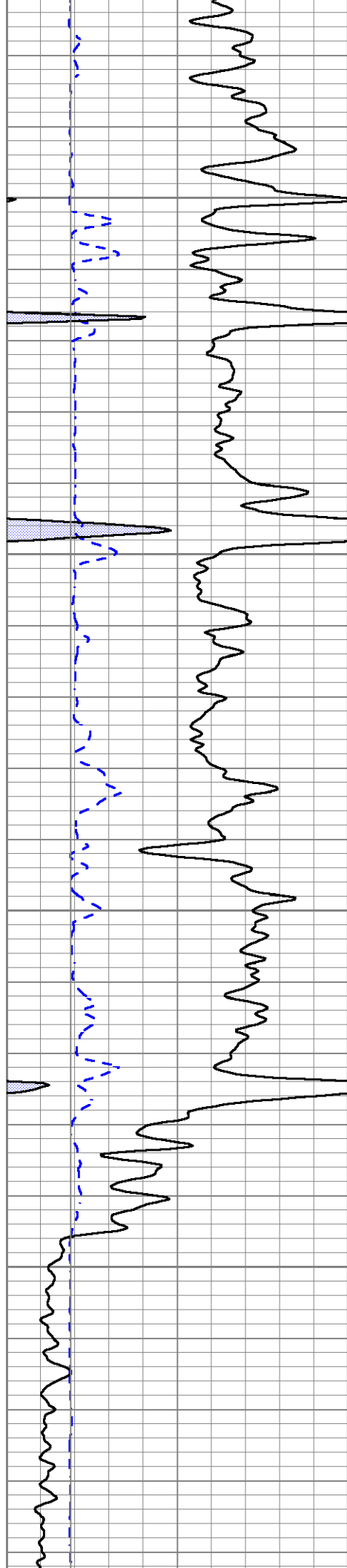
168.1

159.5

150.6

142.0



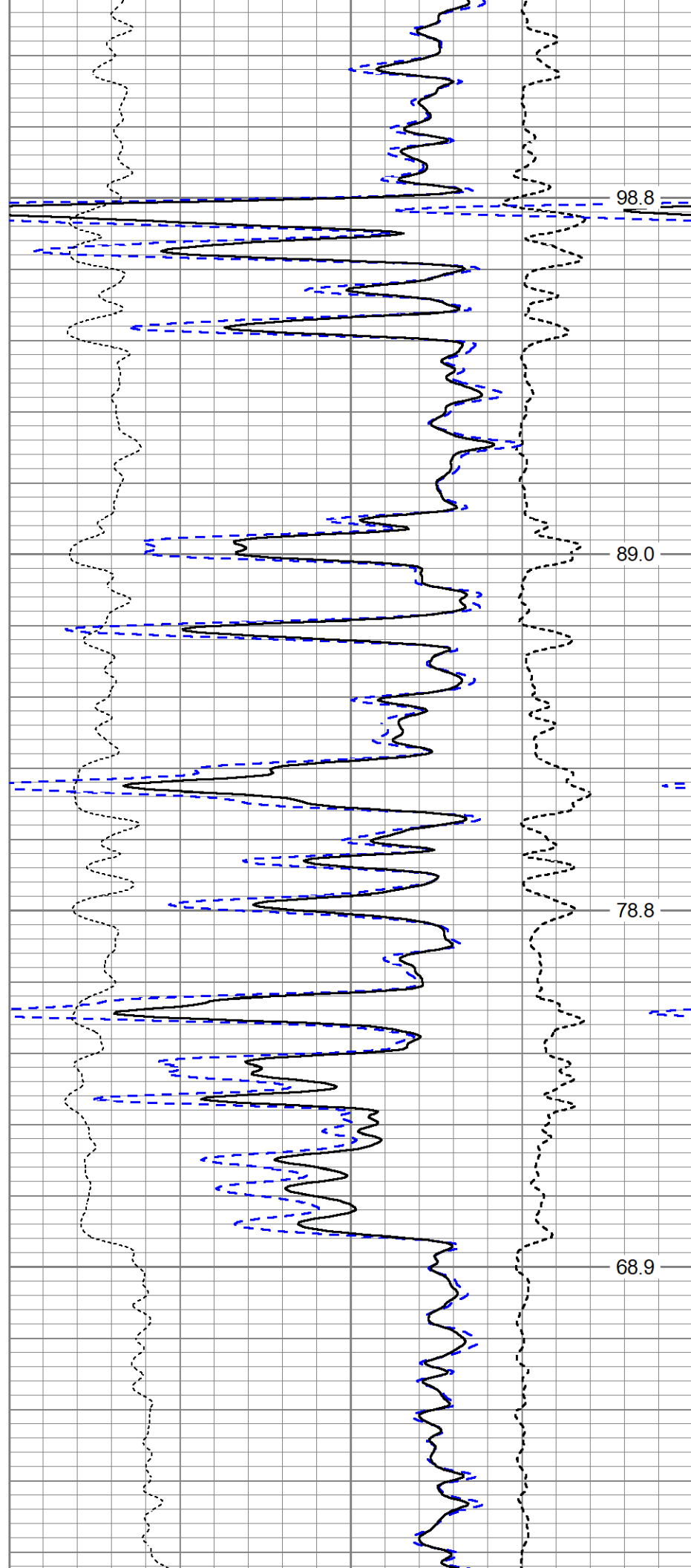


2850

2900

2950

3000

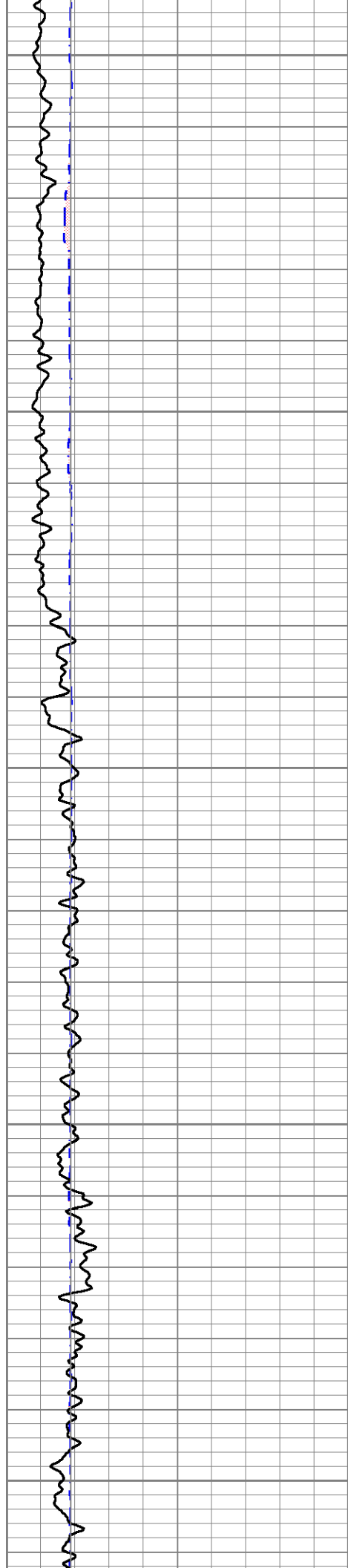


98.8

89.0

78.8

68.9



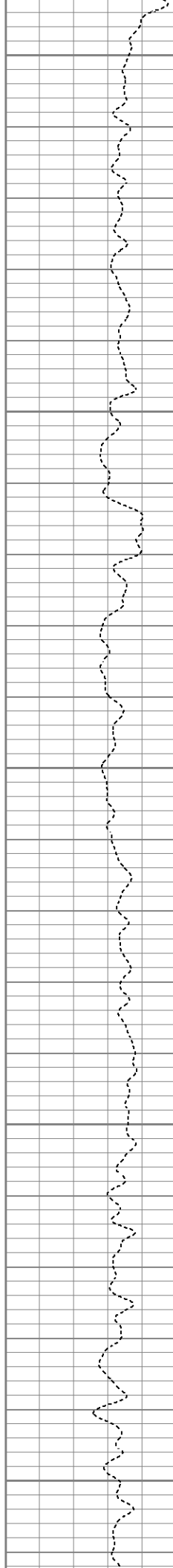
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3100

3150

3200

3250



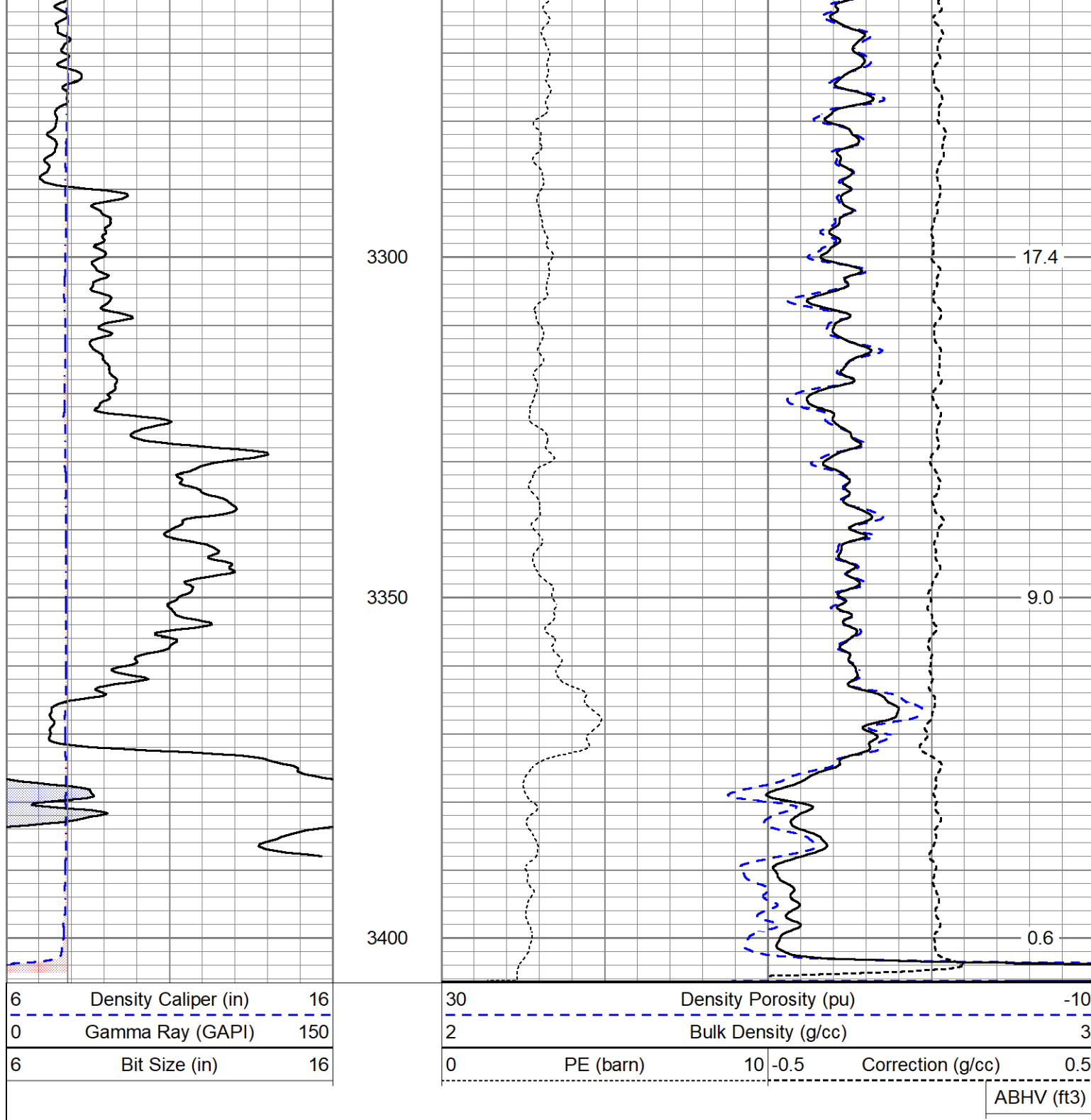
60.3

51.8

43.2

34.5

25.9



Calibration Report

Database File: ow2-9144 val energy.db
 Dataset Pathname: pass4.5
 Dataset Creation: Wed Nov 02 04:27:18 2022

Admyr Lithodensity Calibration Report

Serial-Model: 1B-B
 Source: LITHO OW2 63566B
 Master Calibration Performed: Fri Aug 26 08:39:09 2022

Master Calibration

Density

Far Detector

Near Detector

Magnesium	1.710	g/cc	6728.80	8082.36	cps
Aluminium	2.590	g/cc	1665.32	4147.01	cps
Aluminium+Sleeve	2.584	g/cc	1617.89	3937.72	cps
Spine Angle = 64.46			Density/Spine Ratio = 0.569		
	PE		NLITH	NHARD	
Magnesium	1.658	barn	4887.87	4584.42	cps
Aluminium	2.228	barn	1126.08	1273.79	cps
Aluminium+Sleeve	3.107	barn	911.78	1255.45	cps
M = 0.828			B = -0.281	R = 1.000	
	Size		Reading		
Small Ring	7.85	in	2.82	V	
Large Ring	11.25	in	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			

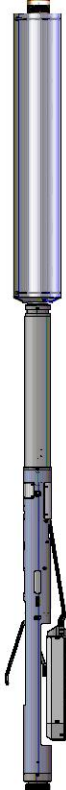
Inclinometer Calibration Report

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					
SSTAT	15.33					

SS1A1	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									
LS8	2.63									
LS7	2.63									
LS6	2.63									
LS5	2.63									
NHARD	2.63	ADT1LITH-B (1B)		9.69	4.25	238.00				
LSD	2.63									
LS2	2.63									
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: ow2-9144 val energy.db: field/well/run1/pass4.5 Total length: 19.02 ft Total weight: 375.00 lb O.D.: 4.25 in								
SS2	2.08									
SS1	2.08									
SSV	1.96									
TD Man	0.00									