



LITHO DENSITY NEUTRON LOG

Company LONE WOLF OIL & GAS CO., LLC
Well KEMPTON A 2
Field WALKER
County ELK State KANSAS

Location: API #: 15-049-22625

SEC 5 TWP 31S RGE 10E

Permanent Datum GL
Log Measured From KB
Drilling Measured From KB

Elevation 1204

Other Services
MEL
ILD

Elevation
K.B. 1213
D.F. 1212
G.L. 1204

Date

3-30-22

Run Number

ONE

Depth Driller

2333

Depth Logger

2332

Bottom Logged Interval

2330

Top Log Interval

SURFACE

Casing Driller

8 5/8" @ 40

Casing Logger

8 5/8" @ 40

Bit Size

7 7/8"

Type Fluid in Hole

CHEMICAL

Density / Viscosity

9.5 / 51

pH / Fluid Loss

9.5 / 8.4

Source of Sample

FLOWLINE

Rm @ Meas. Temp

2.5 @ 70

Rmf @ Meas. Temp

3.1 @ 70

Rmc @ Meas. Temp

1.9 @ 70

Source of Rmf / Rmc

CAL

Rm @ BHT

2.05 @ 98

Time Circulation Stopped

5:30 PM

Time Logger on Bottom

8:00 PM

Maximum Recorded Temperature

94

Equipment Number

OW2

Location

HOMINY, OK

Recorded By

MACKEY

Witnessed By

KIDD

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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

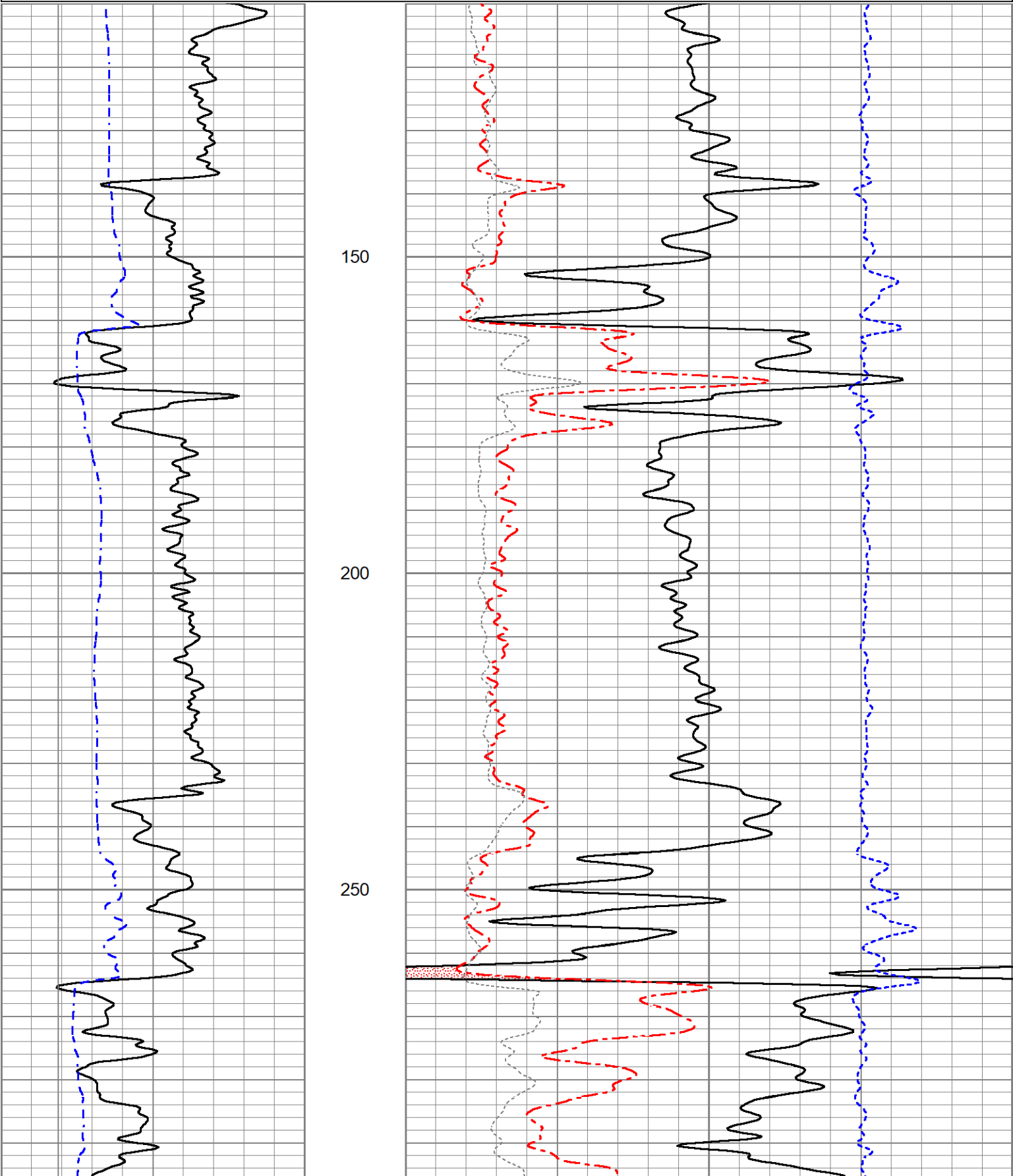
OW2-9035 LONE WOLF
THANK YOU FOR USING OSAGE WIRELINE INC.

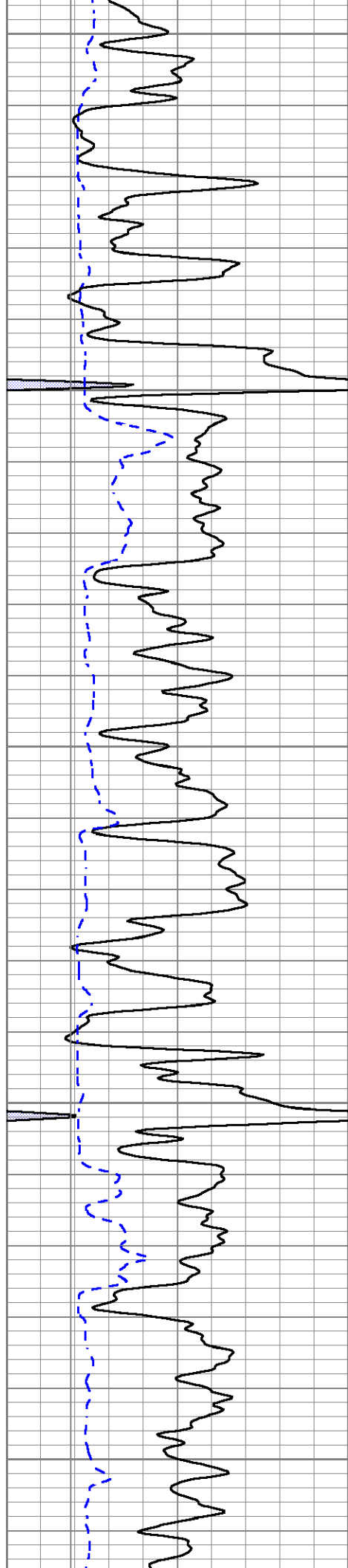


5" DENSITY NEUTRON LOG

Database File	ow2-9035 lone wolf.db
Dataset Pathname	pass3.3
Presentation Format	mmcdln5
Dataset Creation	Wed Mar 30 22:35:28 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





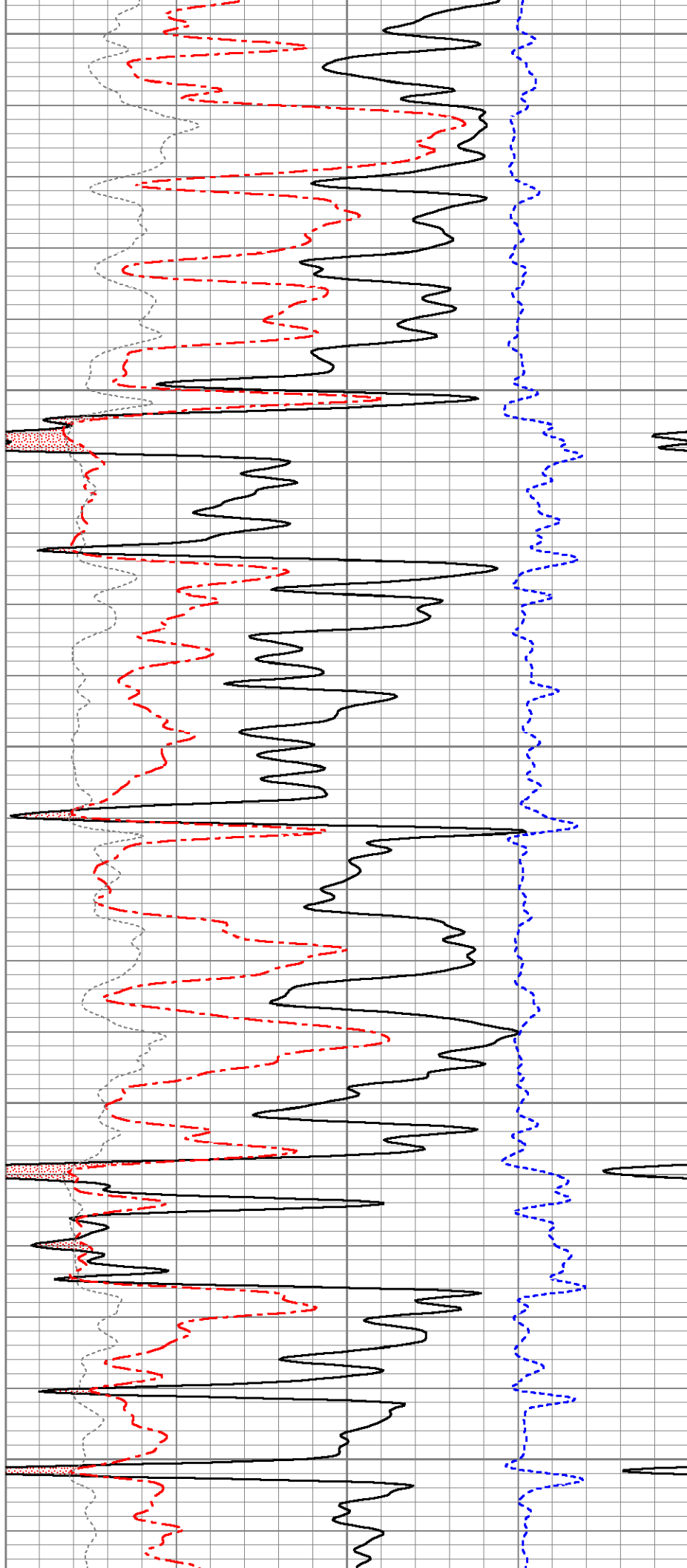
300

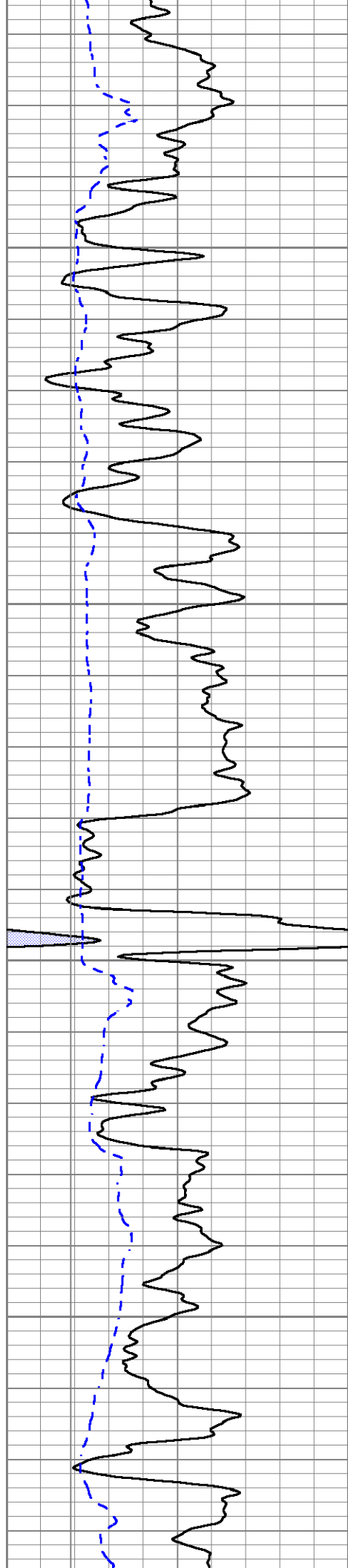
350

400

450

500



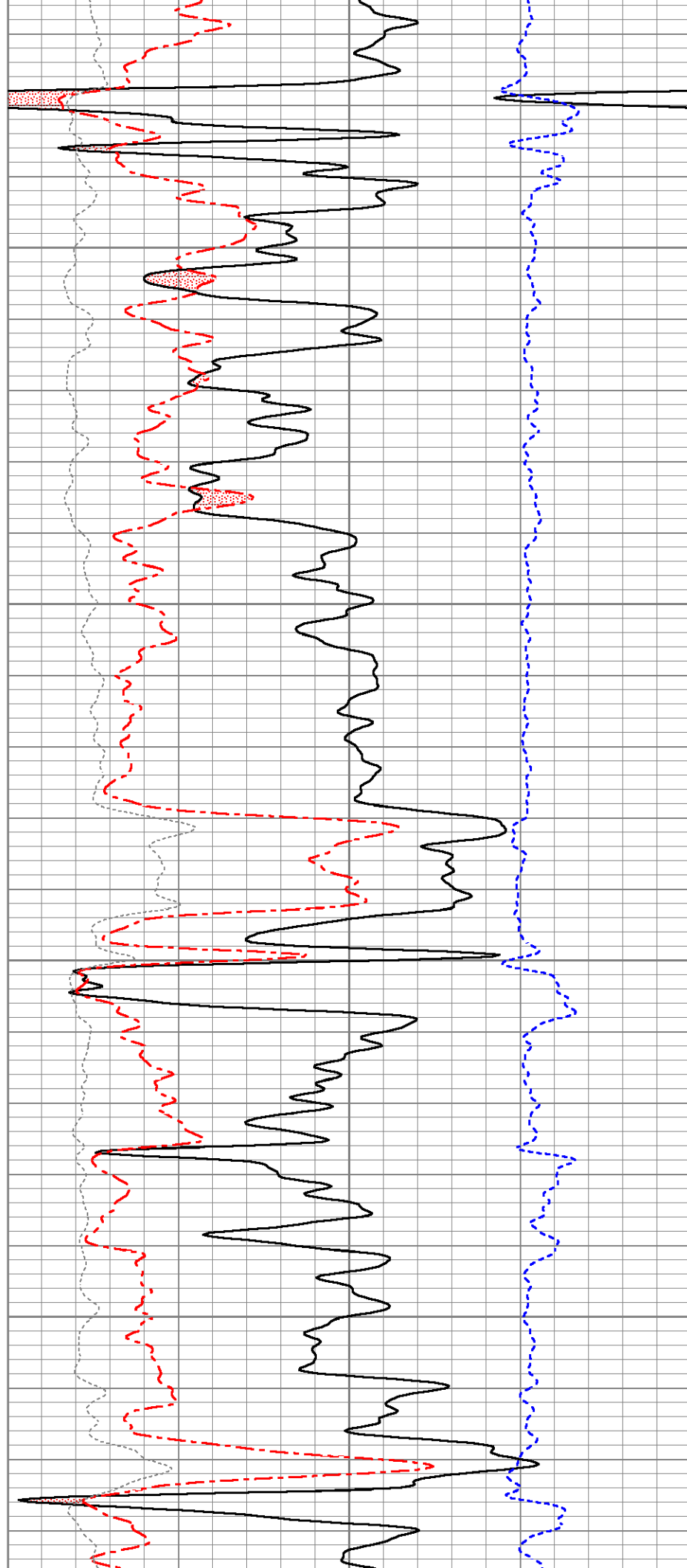


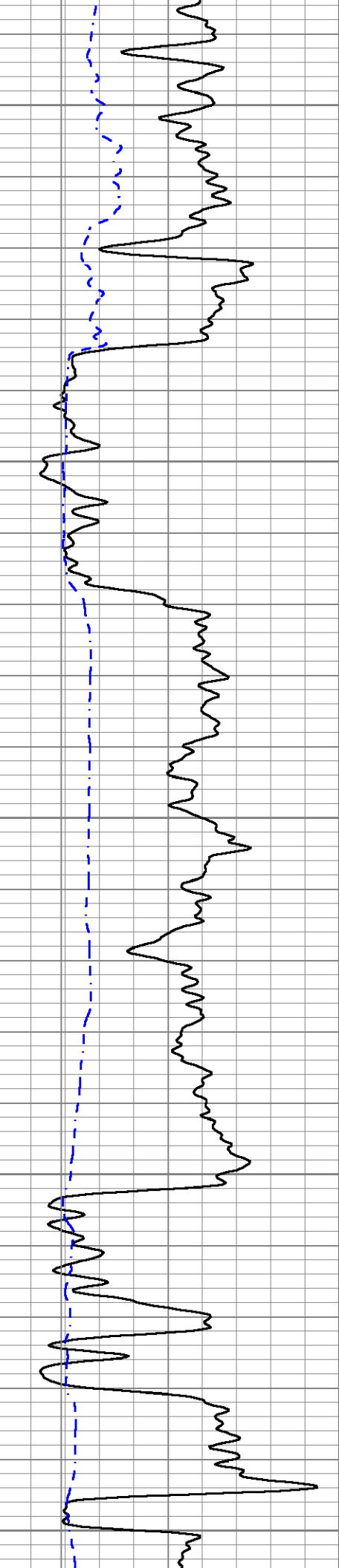
550

600

650

700





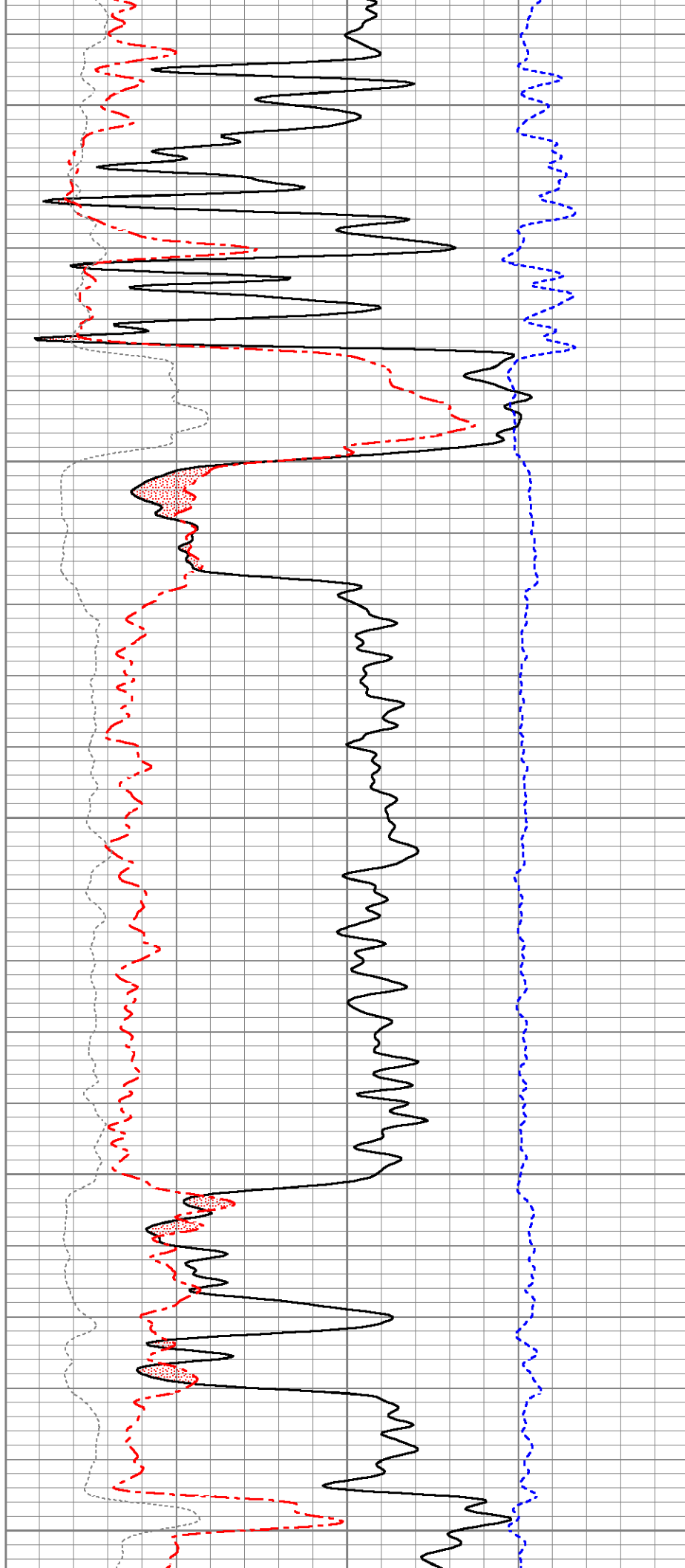
750

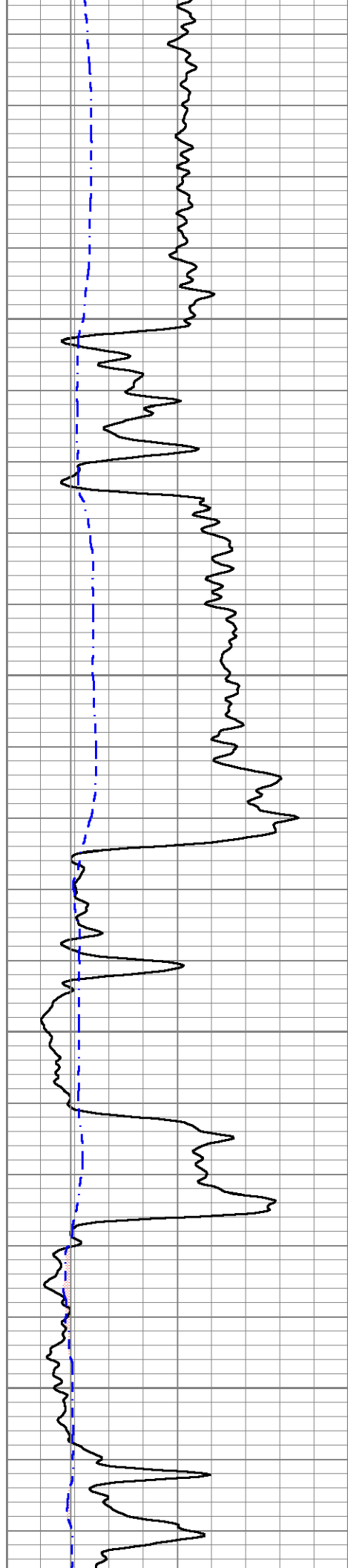
800

850

900

950



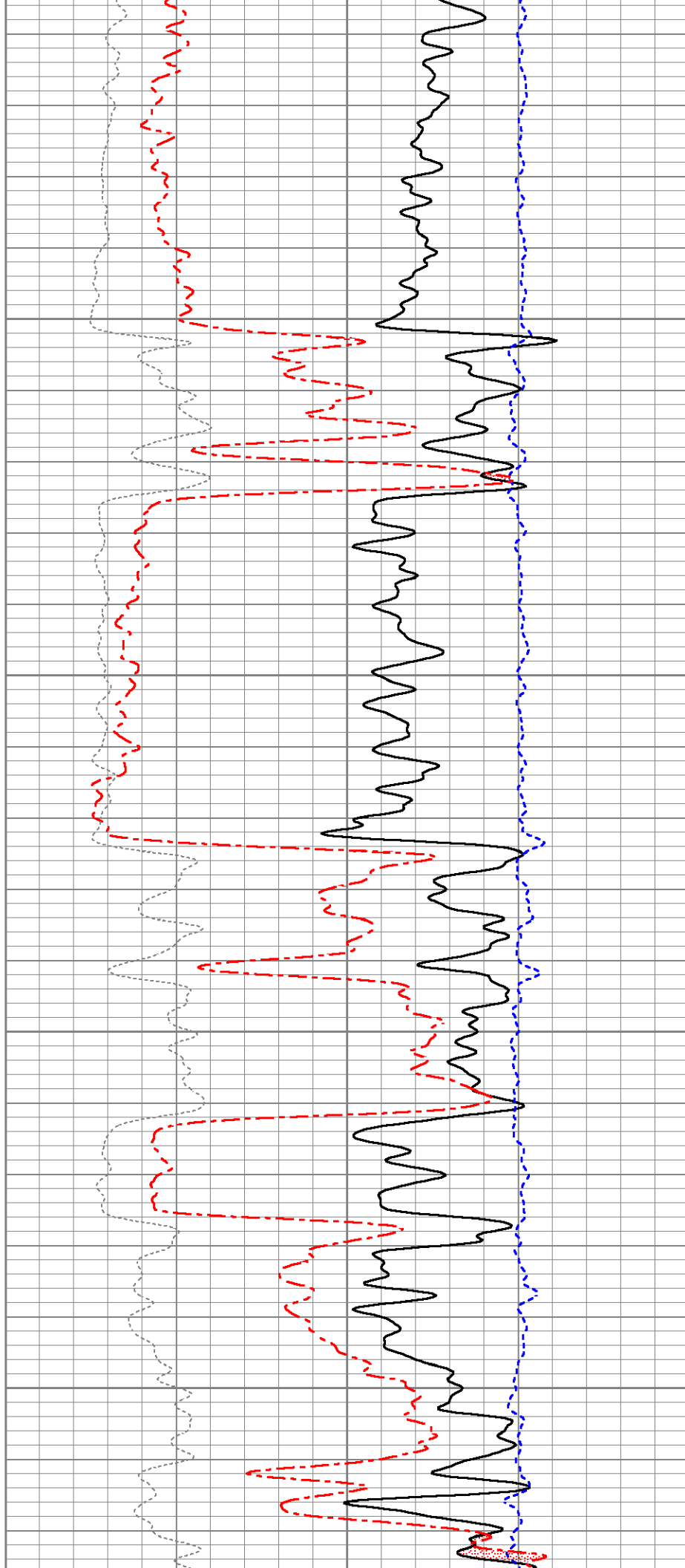


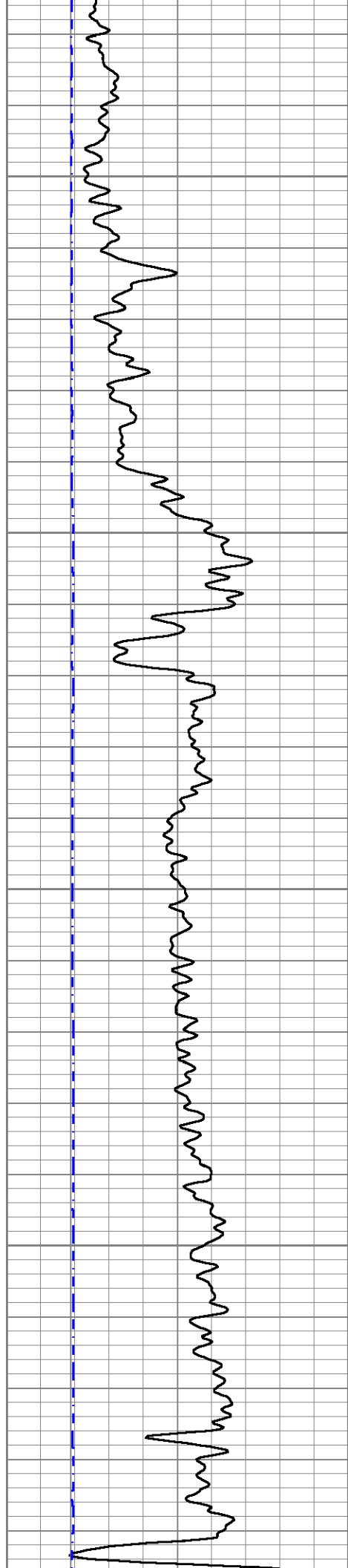
1000

1050

1100

1150



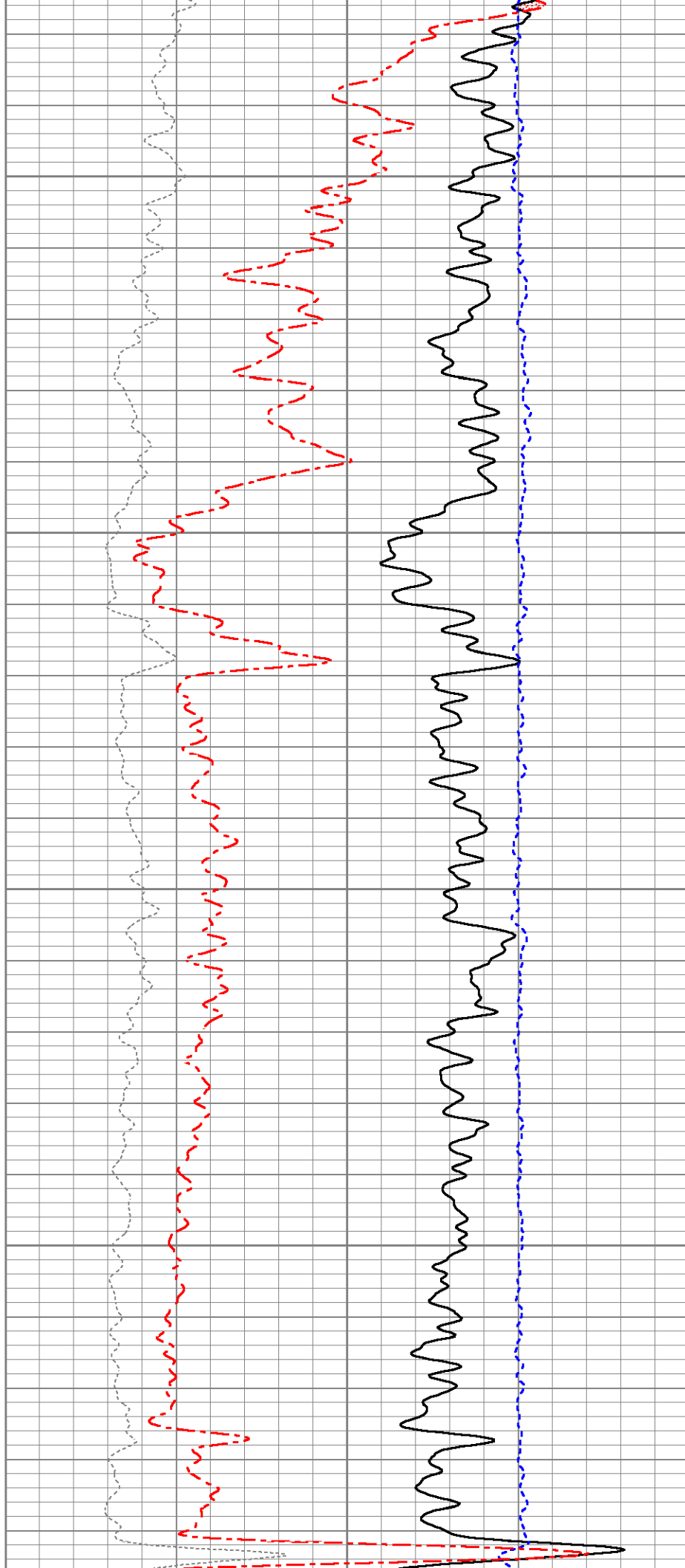


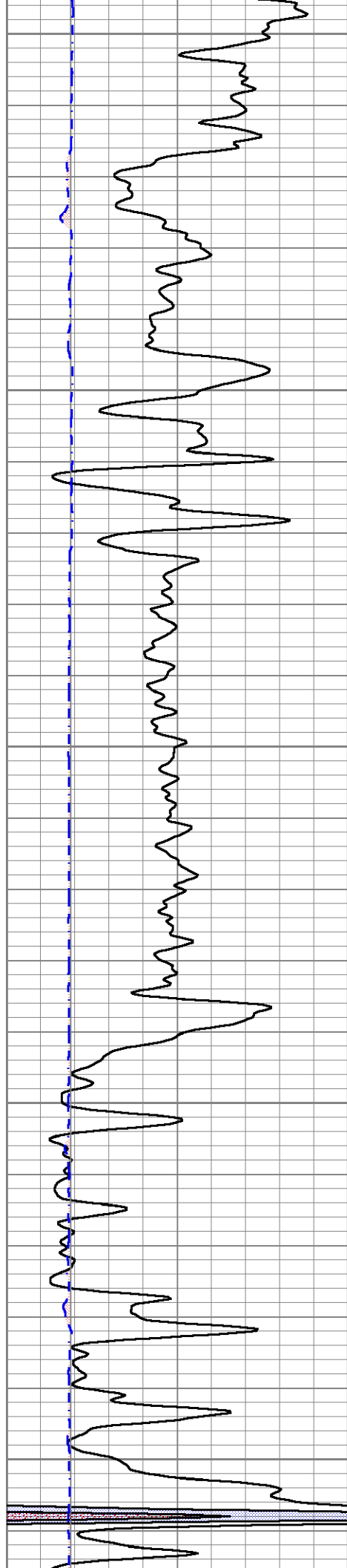
1200

1250

1300

1350





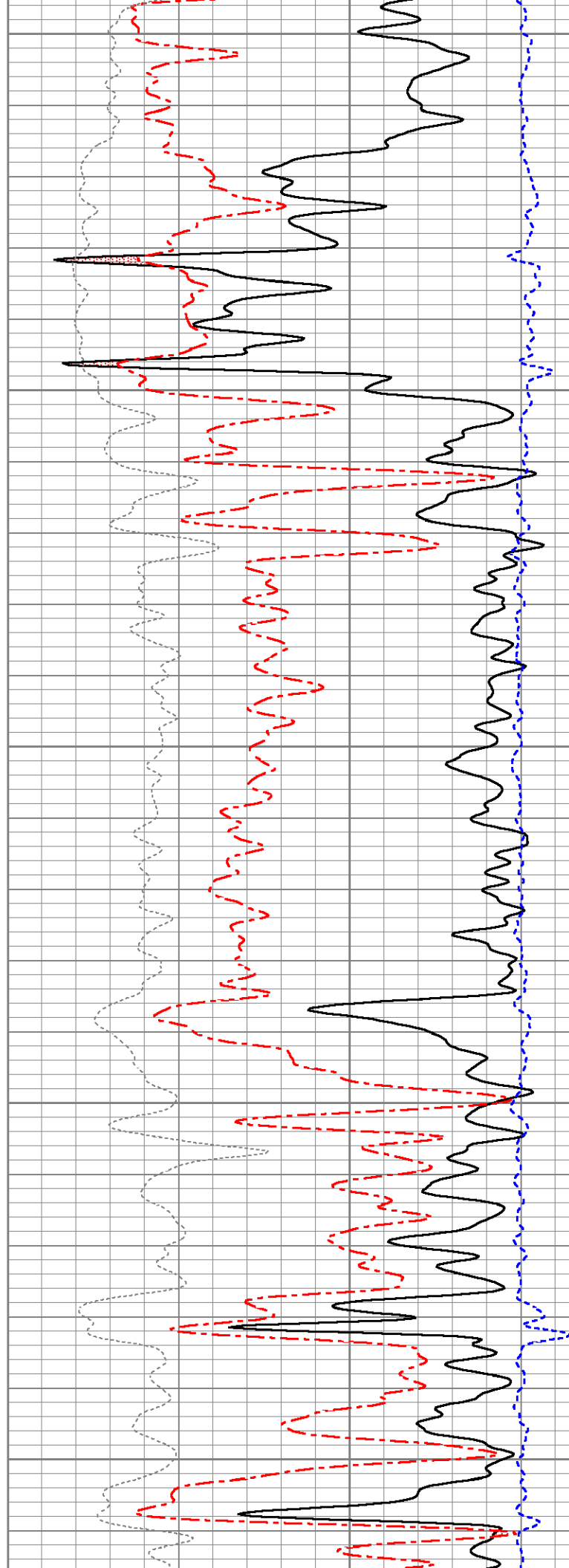
1400

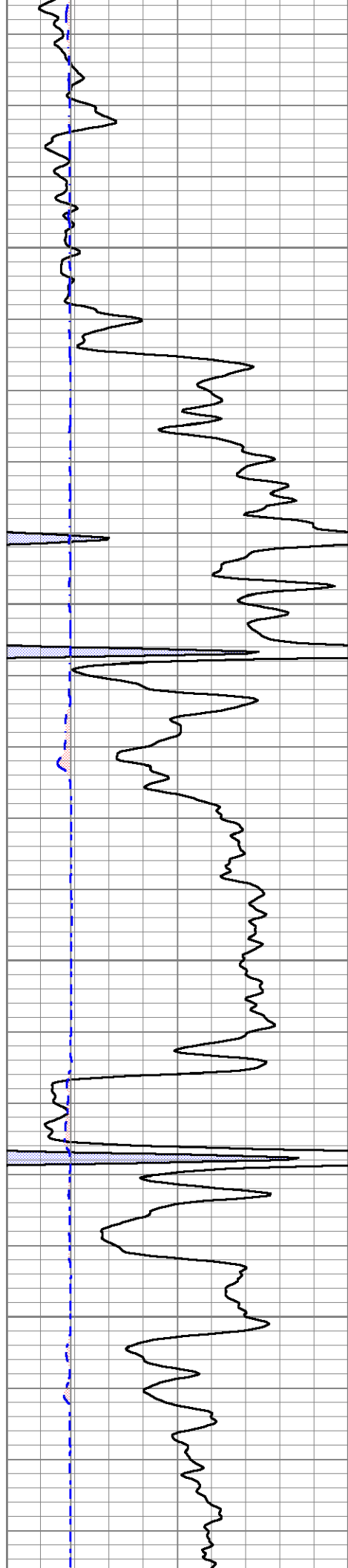
1450

1500

1550

1600



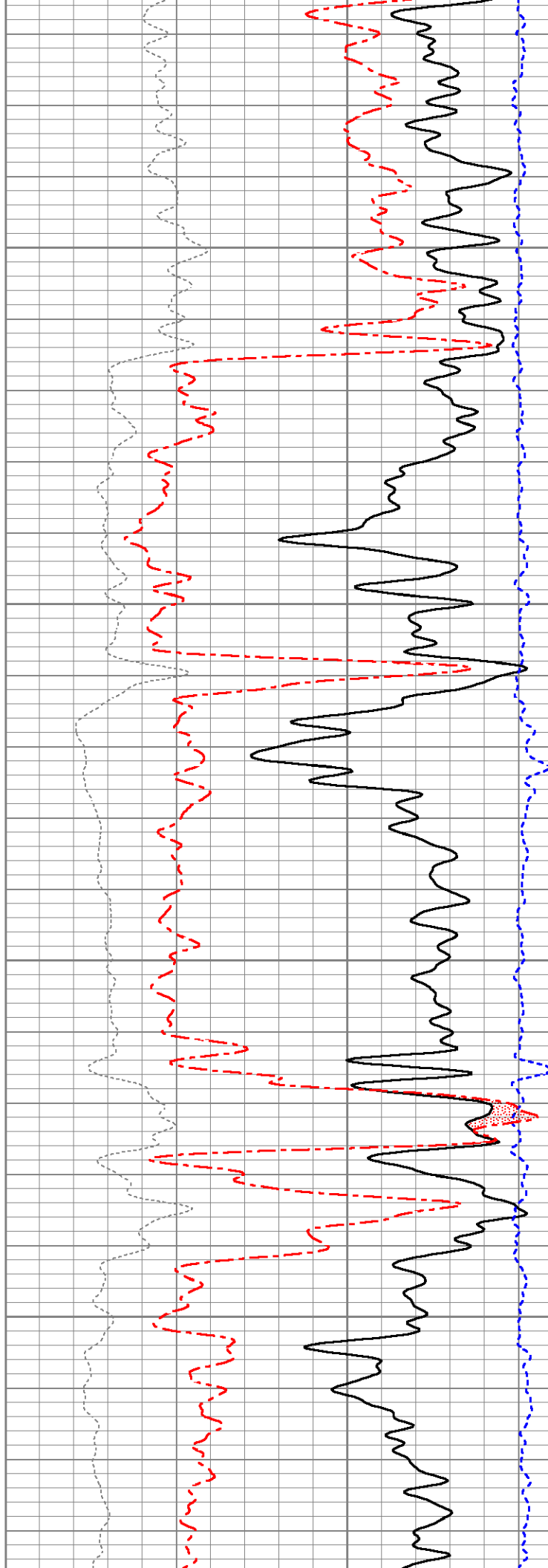


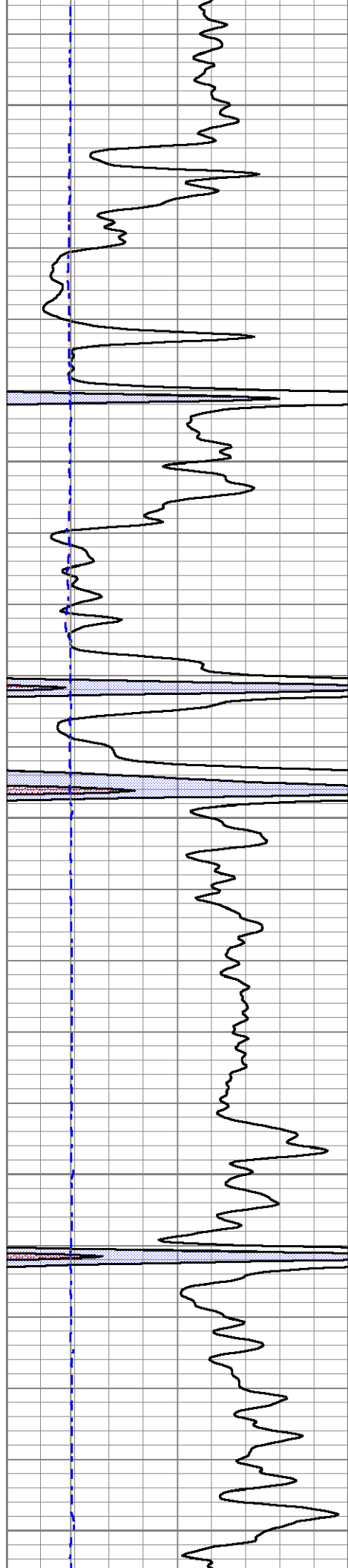
1650

1700

1750

1800





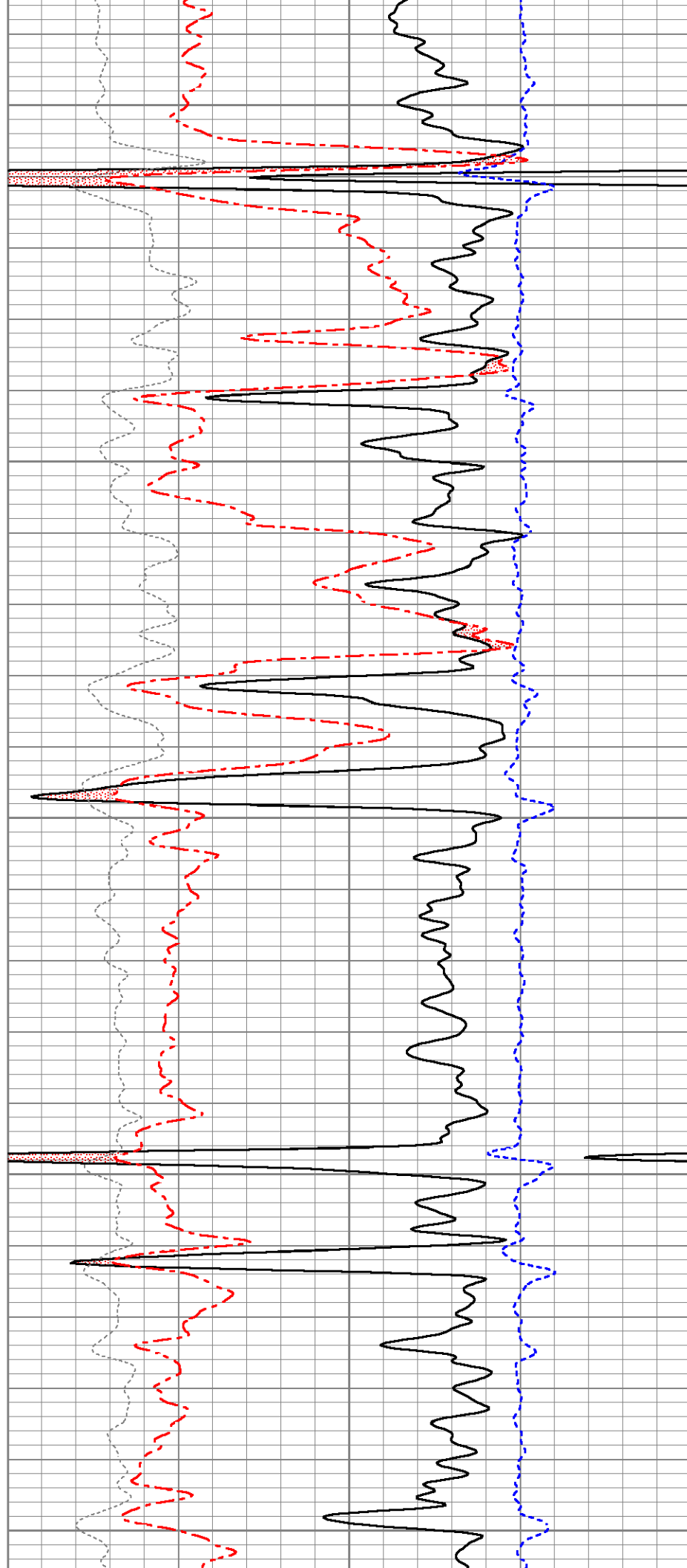
1850

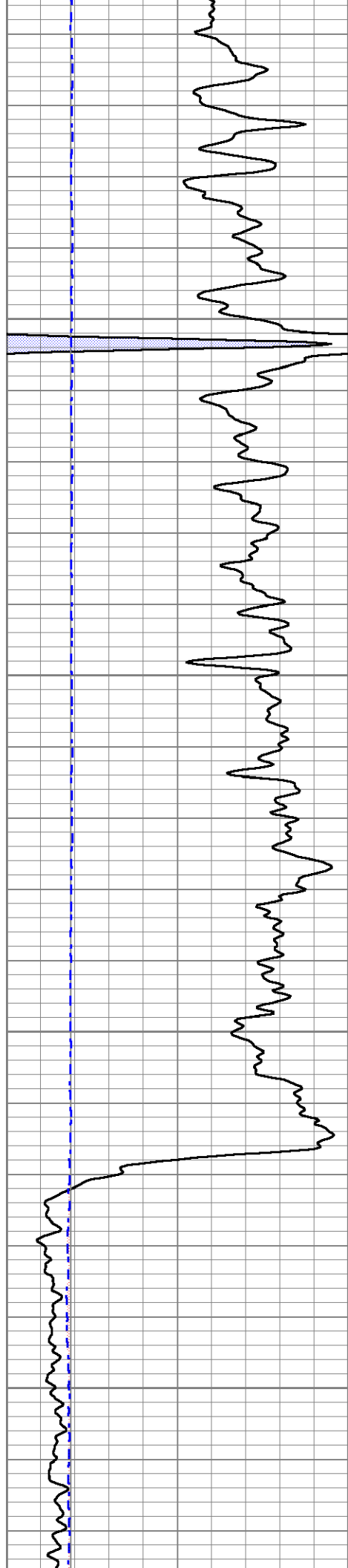
1900

1950

2000

2050



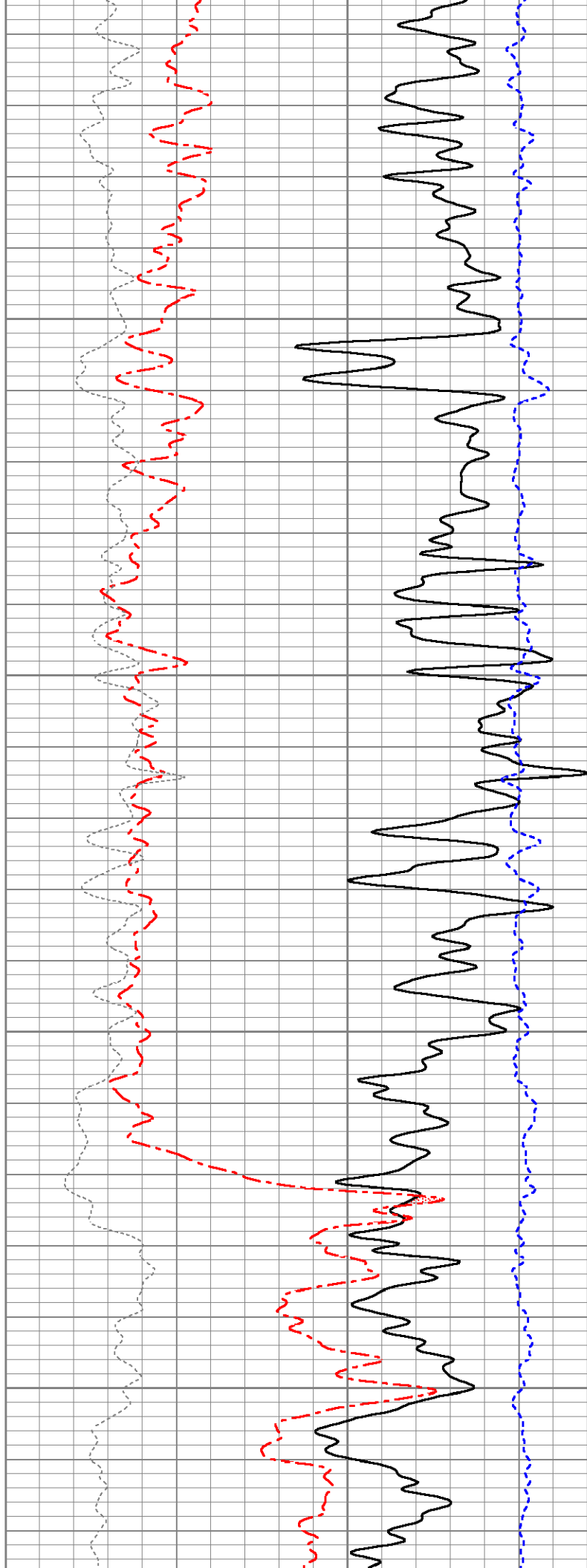


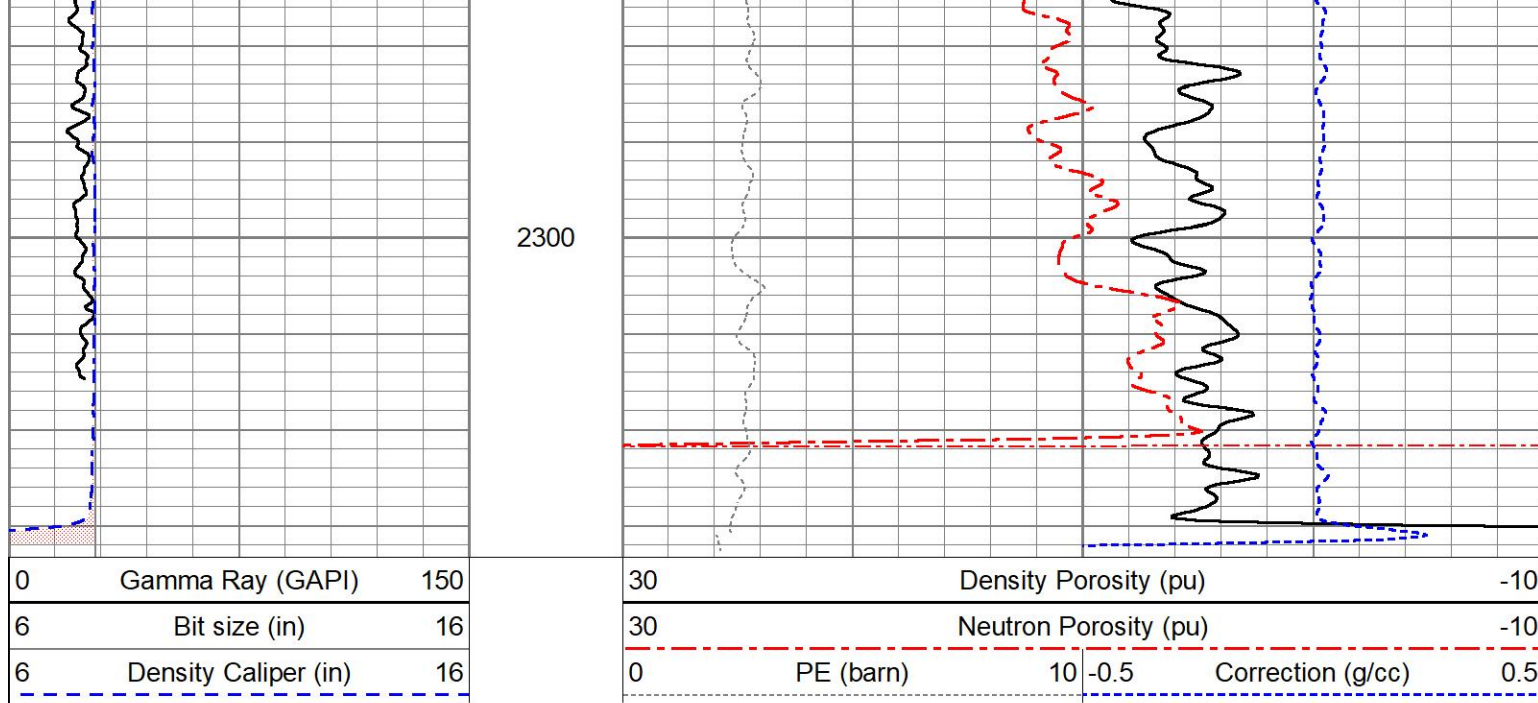
2100

2150

2200

2250

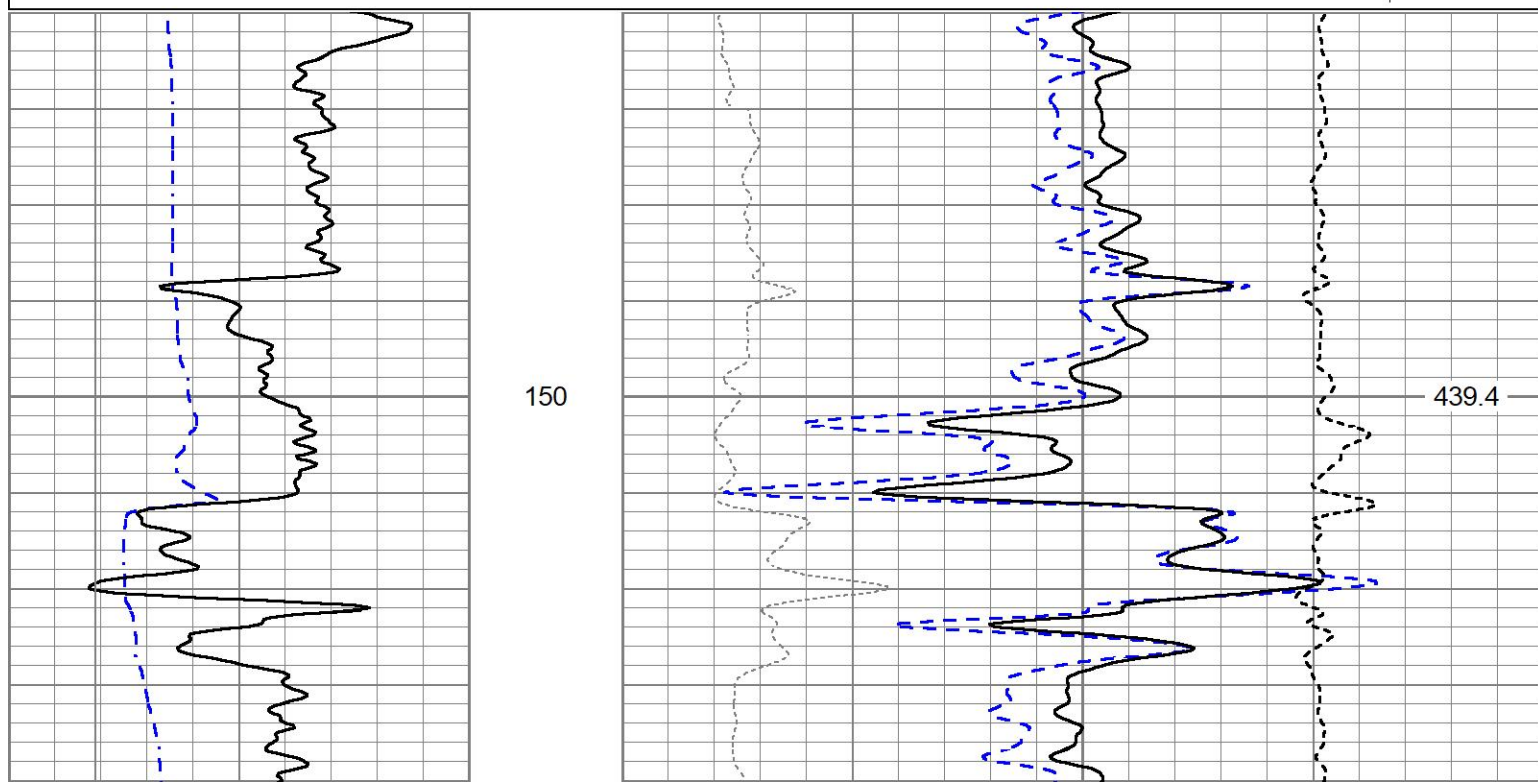


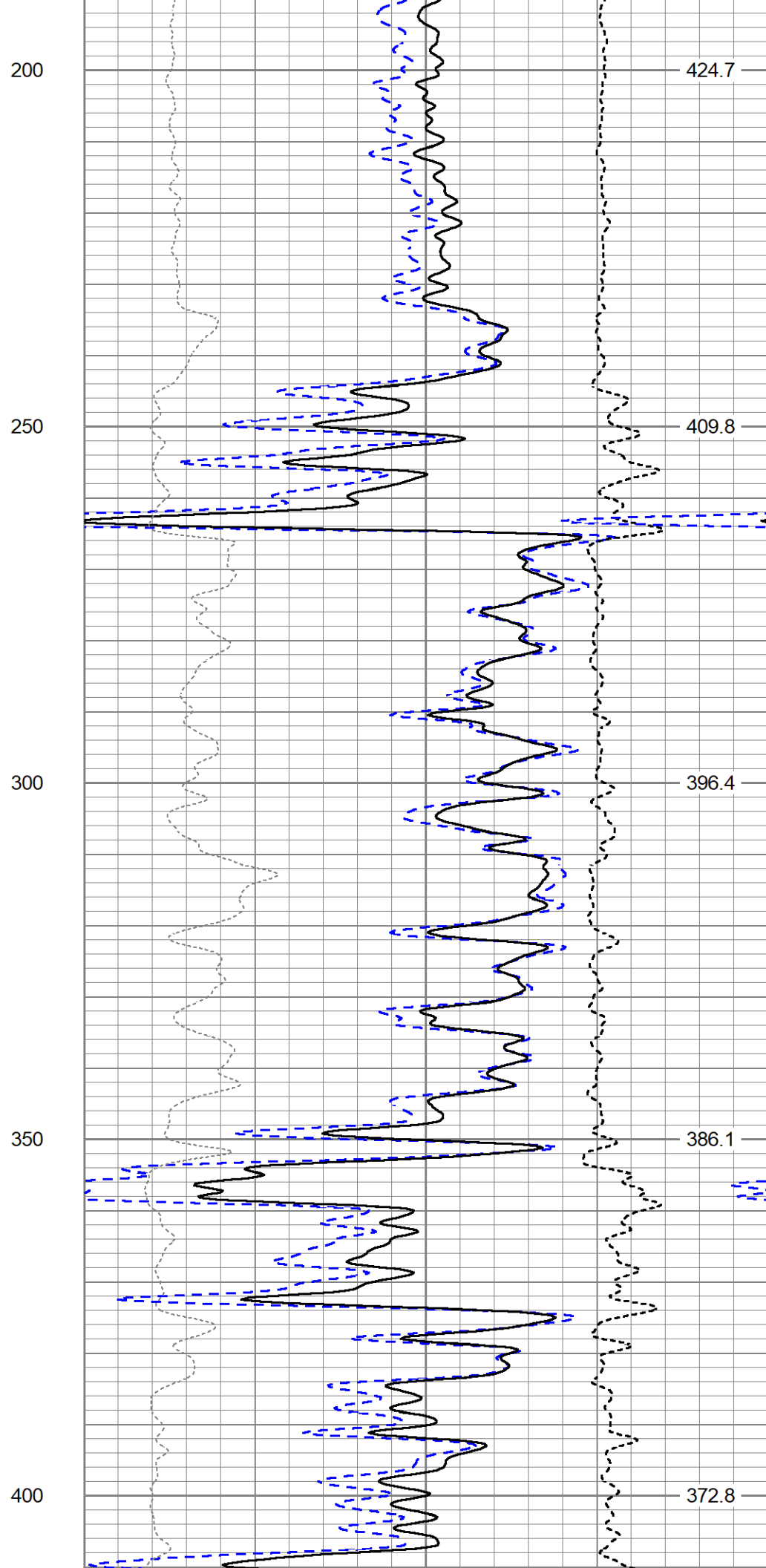
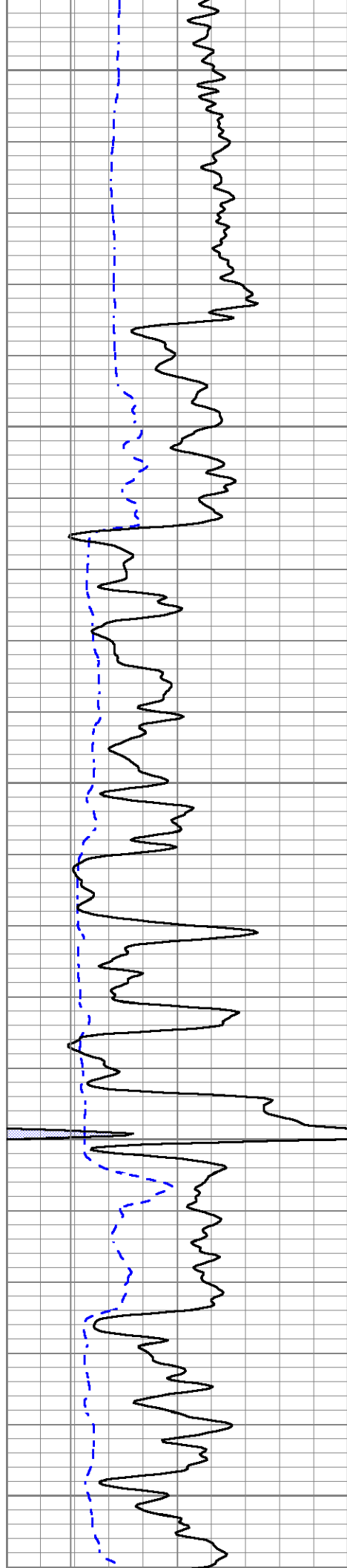


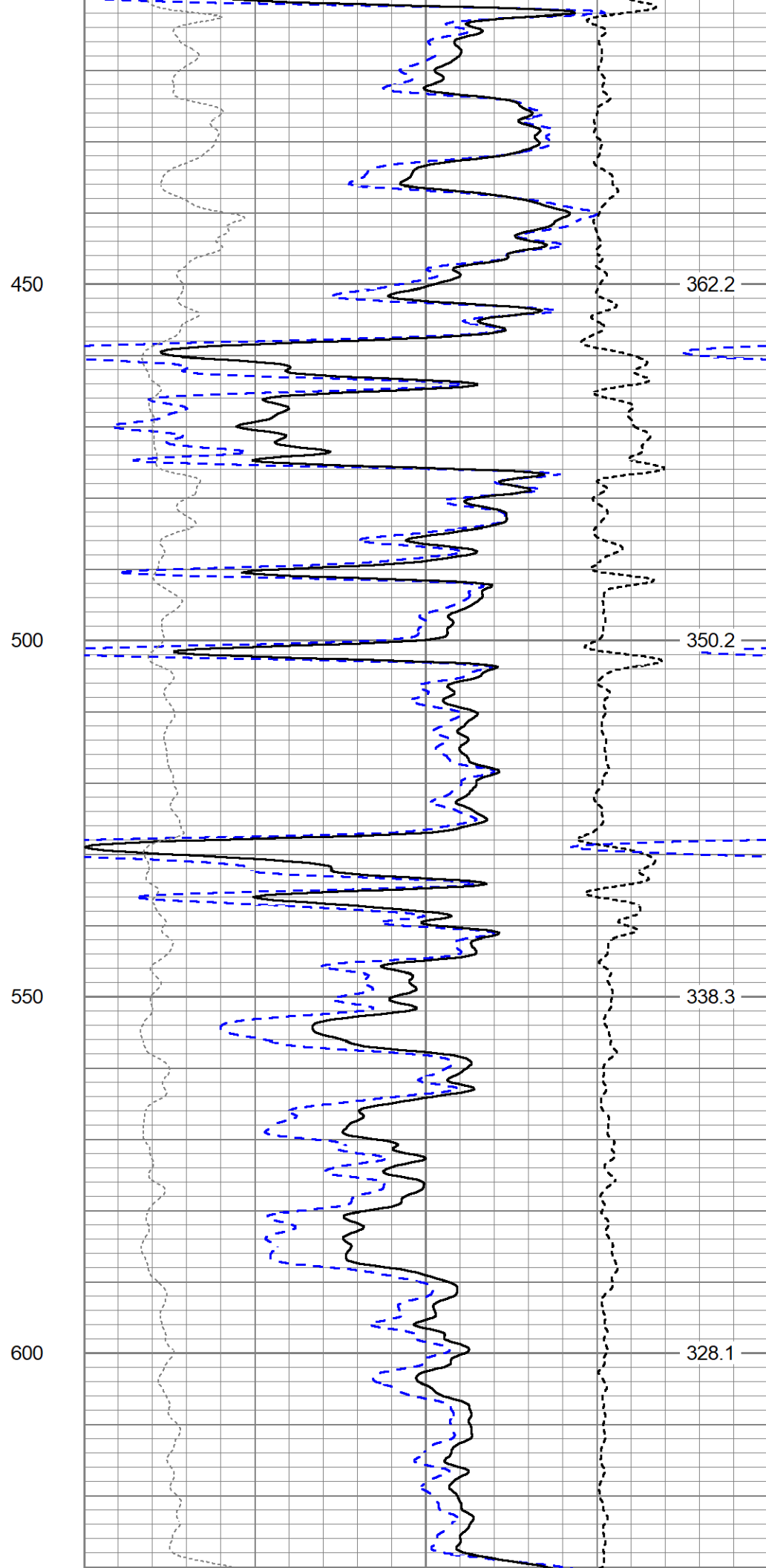
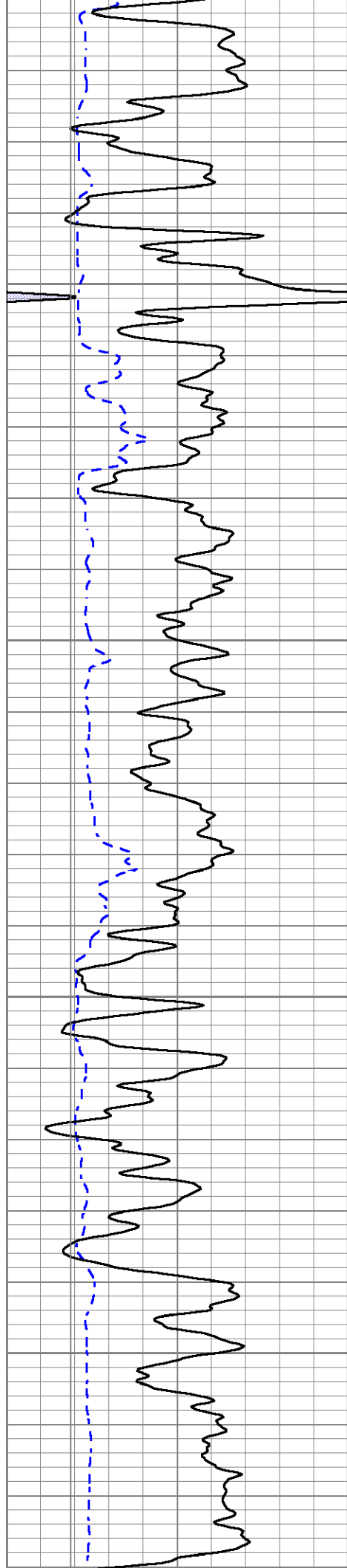
5" LITHO DENSITY LOG

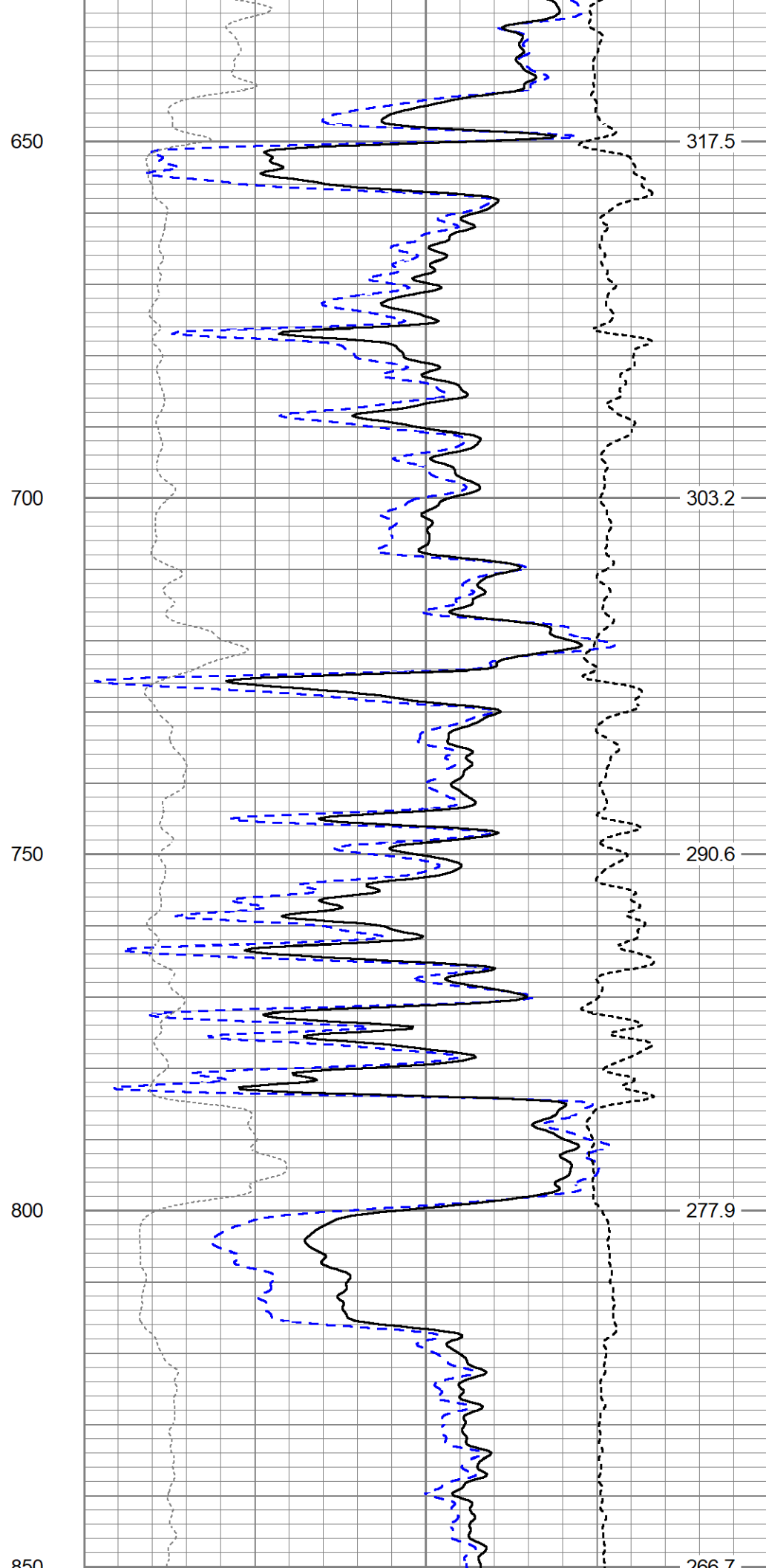
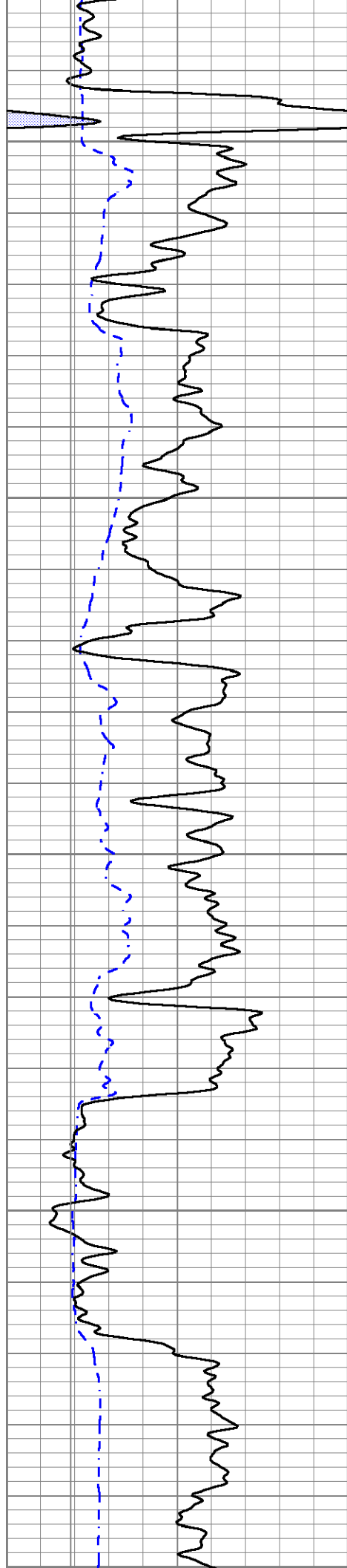
Database File ow2-9035 lone wolf.db
 Dataset Pathname pass3.2
 Presentation Format mmcdl5
 Dataset Creation Wed Mar 30 22:30:05 2022
 Charted by Depth in Feet scaled 1:240

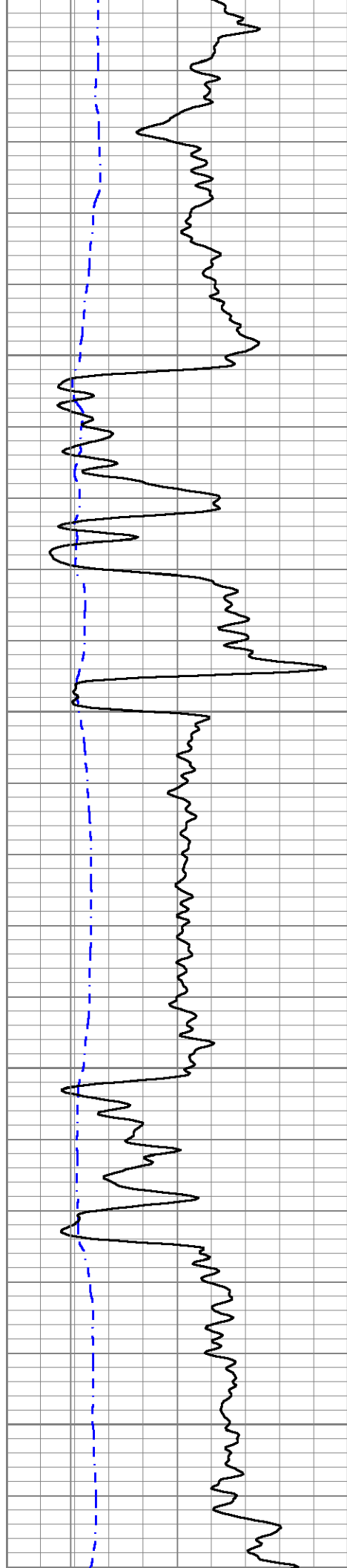
6	Density Caliper (in)	16	30	Density Porosity (pu)	-10
0	Gamma Ray (GAPI)	150	2	Bulk Density (g/cc)	3
6	Bit Size (in)	16	0	PE (barn)	10
			-0.5	Correction (g/cc)	0.5
				ABHV (ft3)	



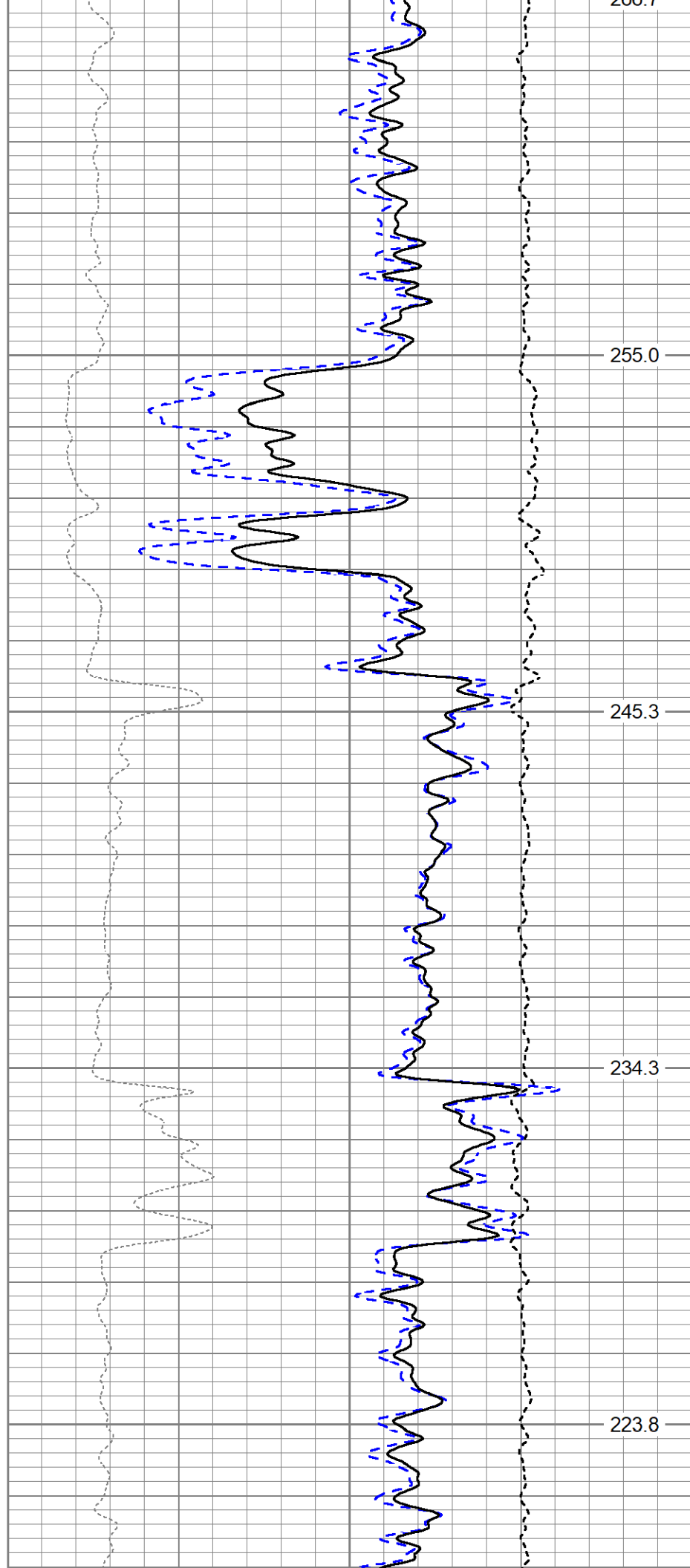




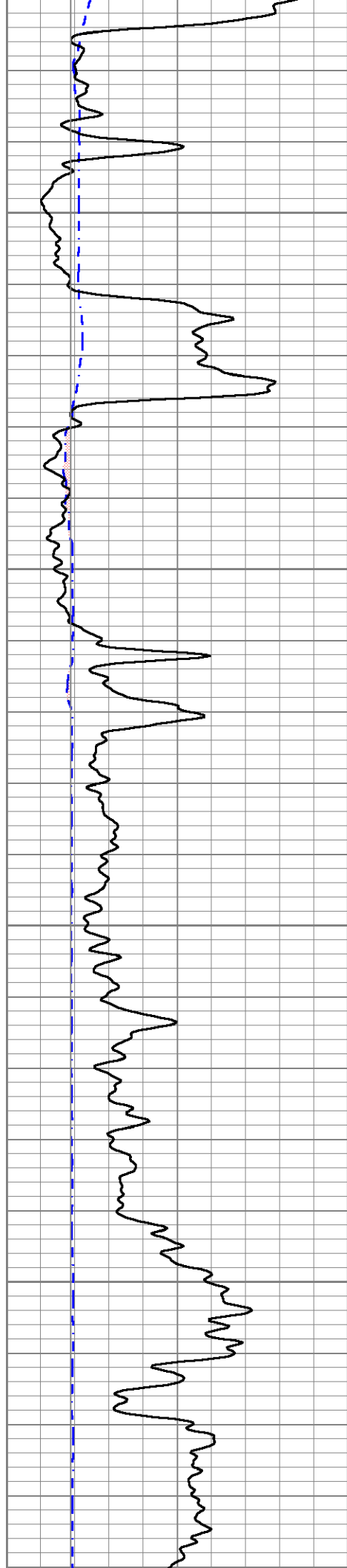




850
900
950
1000
1050



200.7
255.0
245.3
234.3
223.8

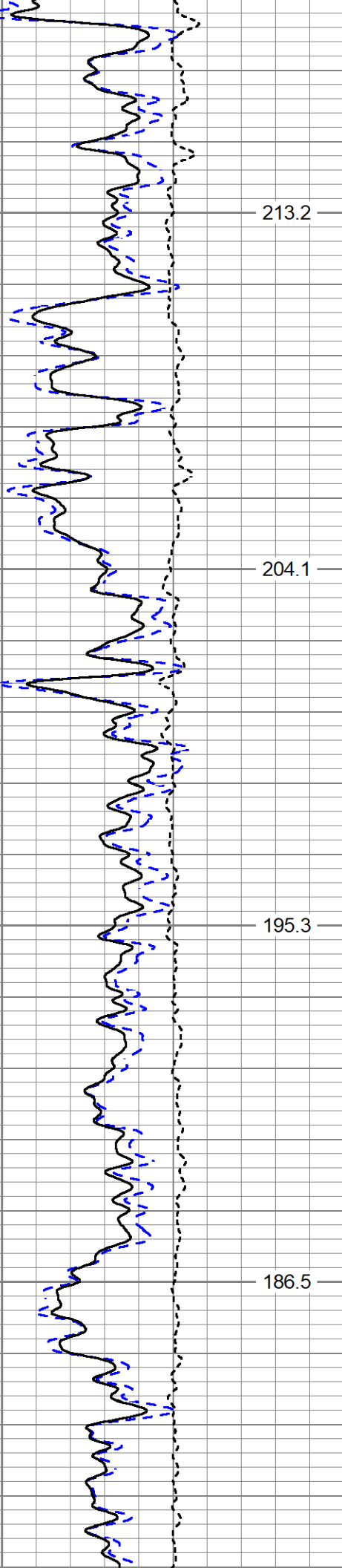
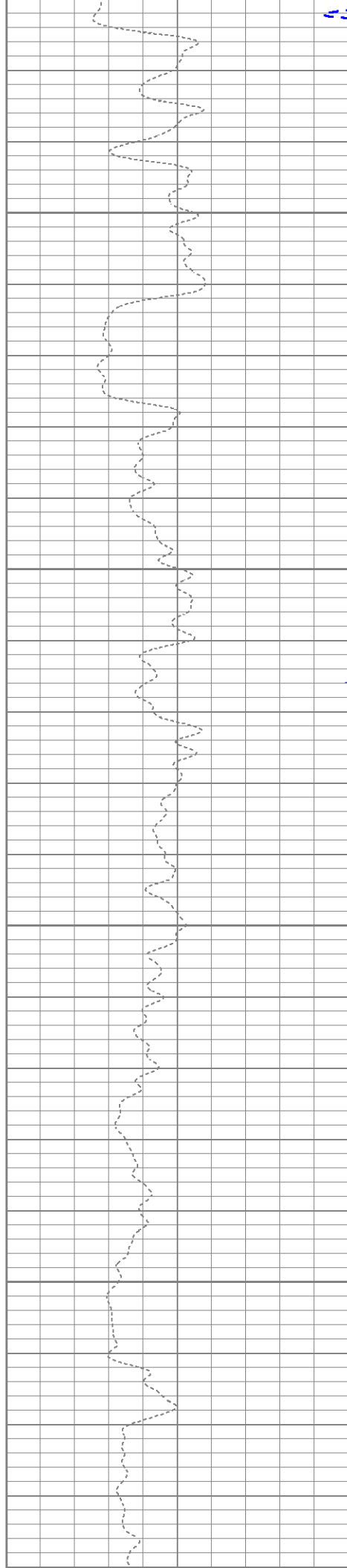


1100

1150

1200

1250

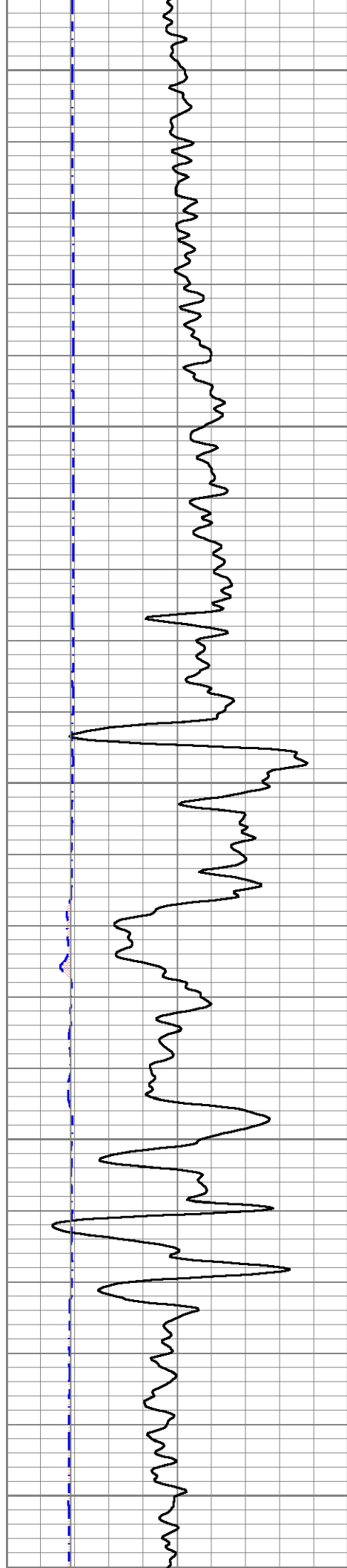


213.2

204.1

195.3

186.5



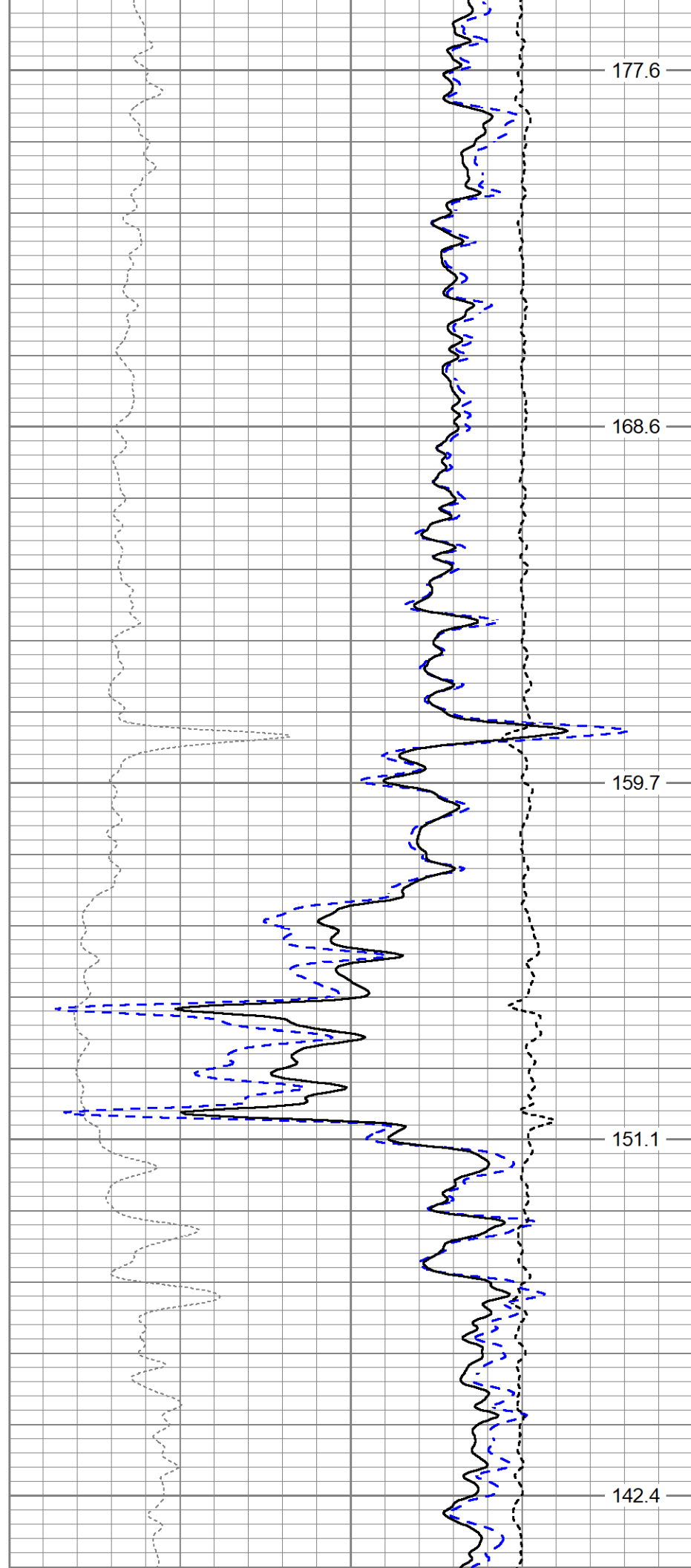
1300

1350

1400

1450

1500



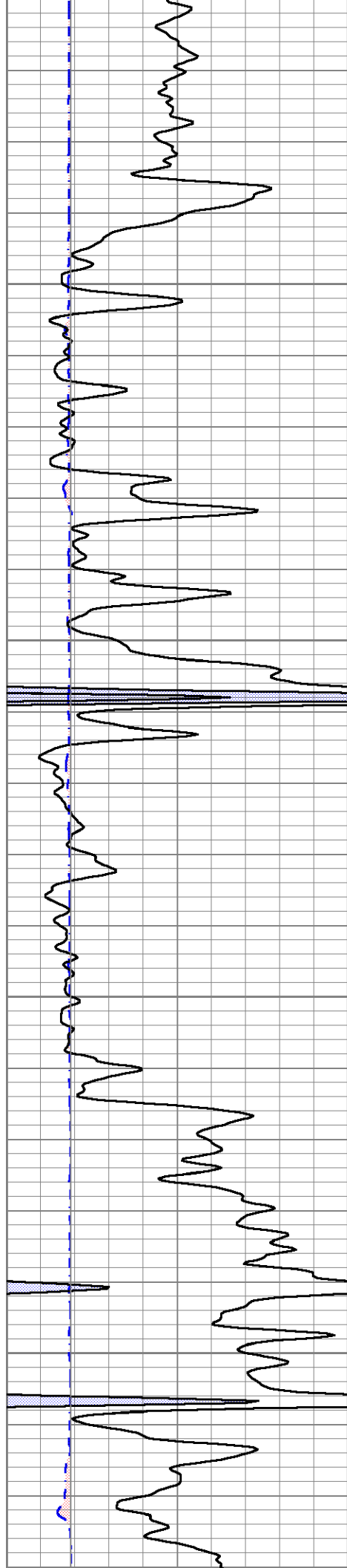
177.6

168.6

159.7

151.1

142.4

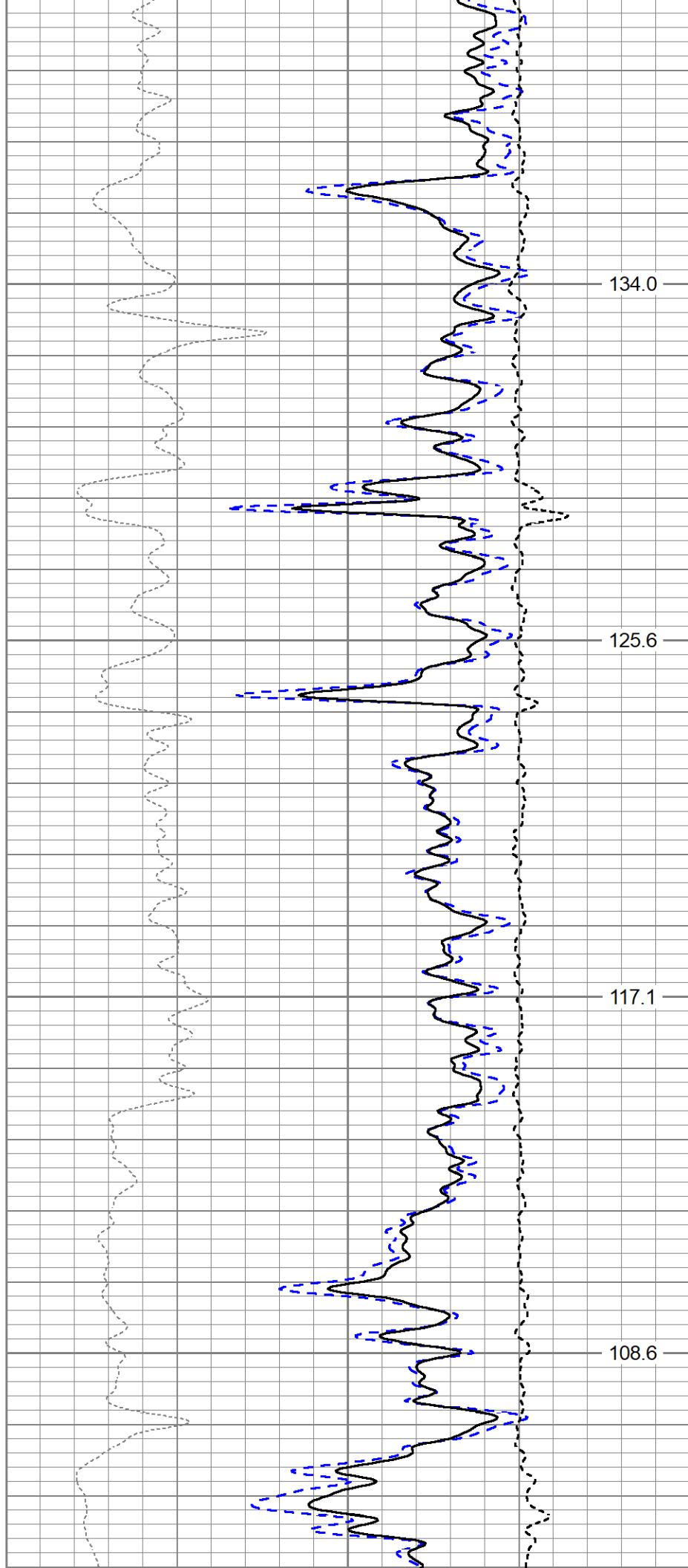


1550

1600

1650

1700

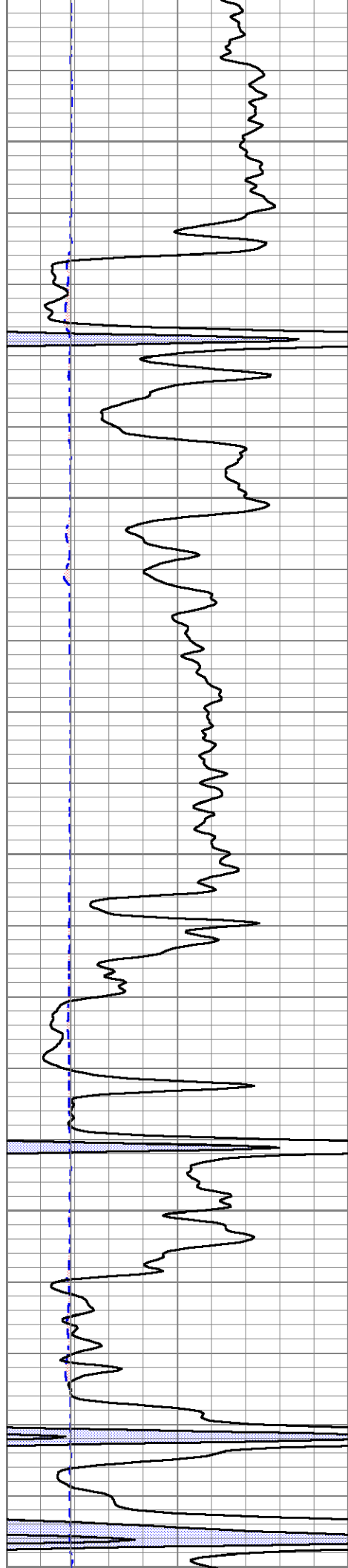


134.0

125.6

117.1

108.6



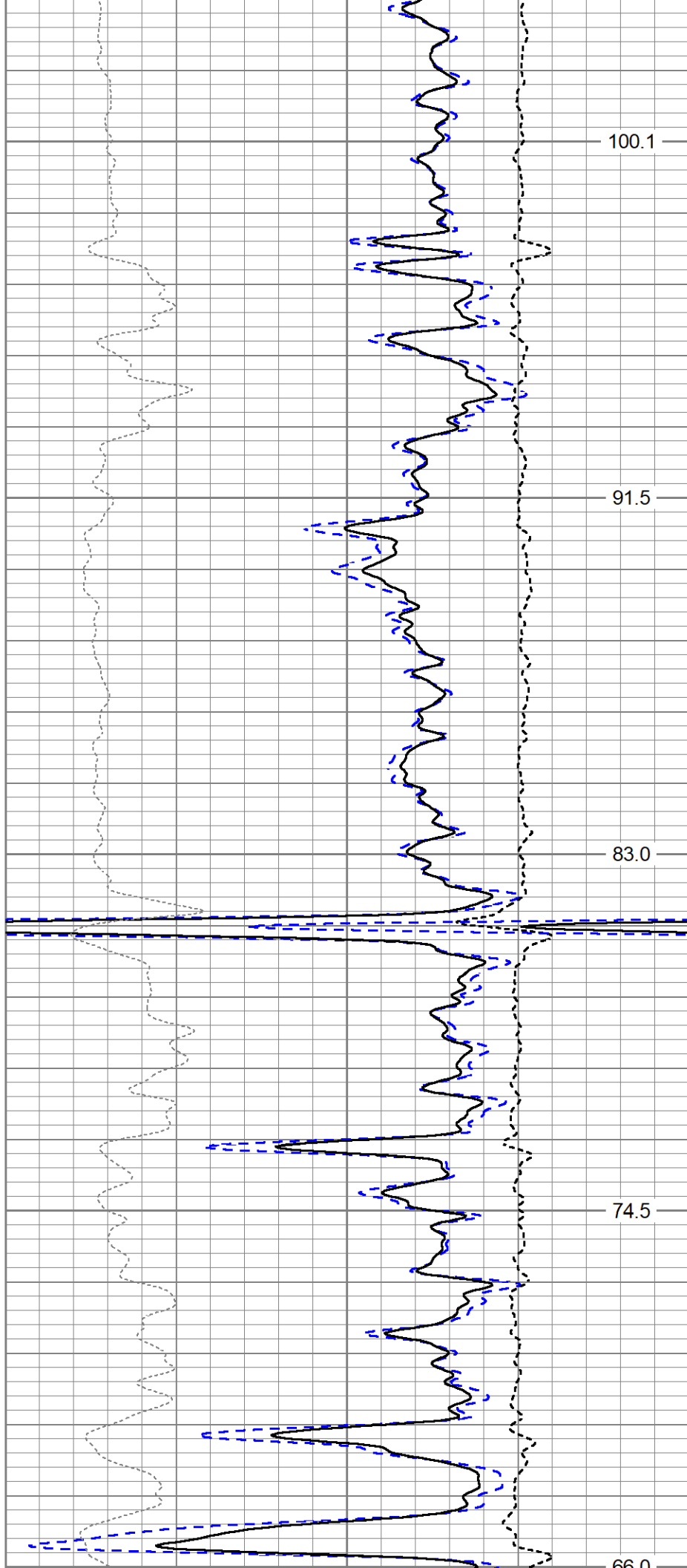
1750

1800

1850

1900

1950



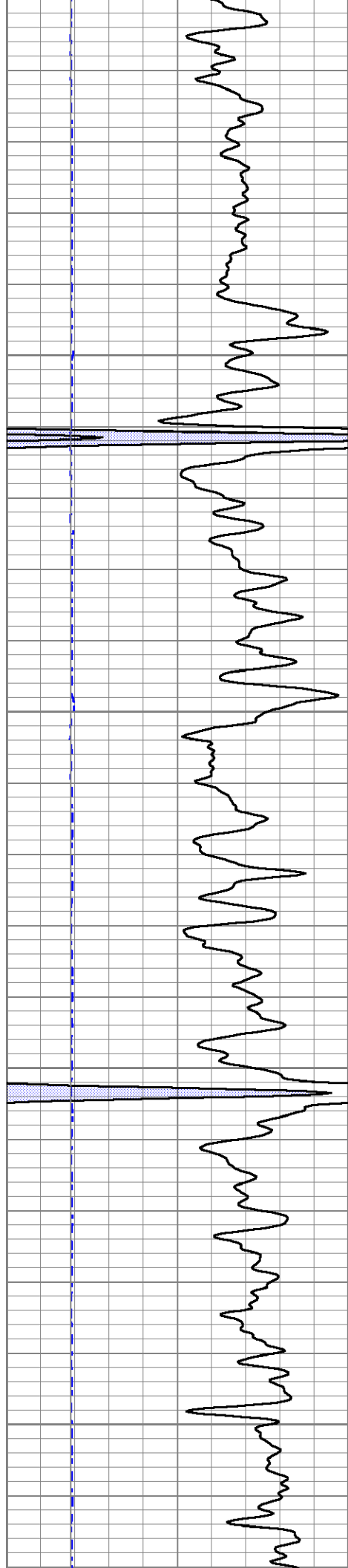
100.1

91.5

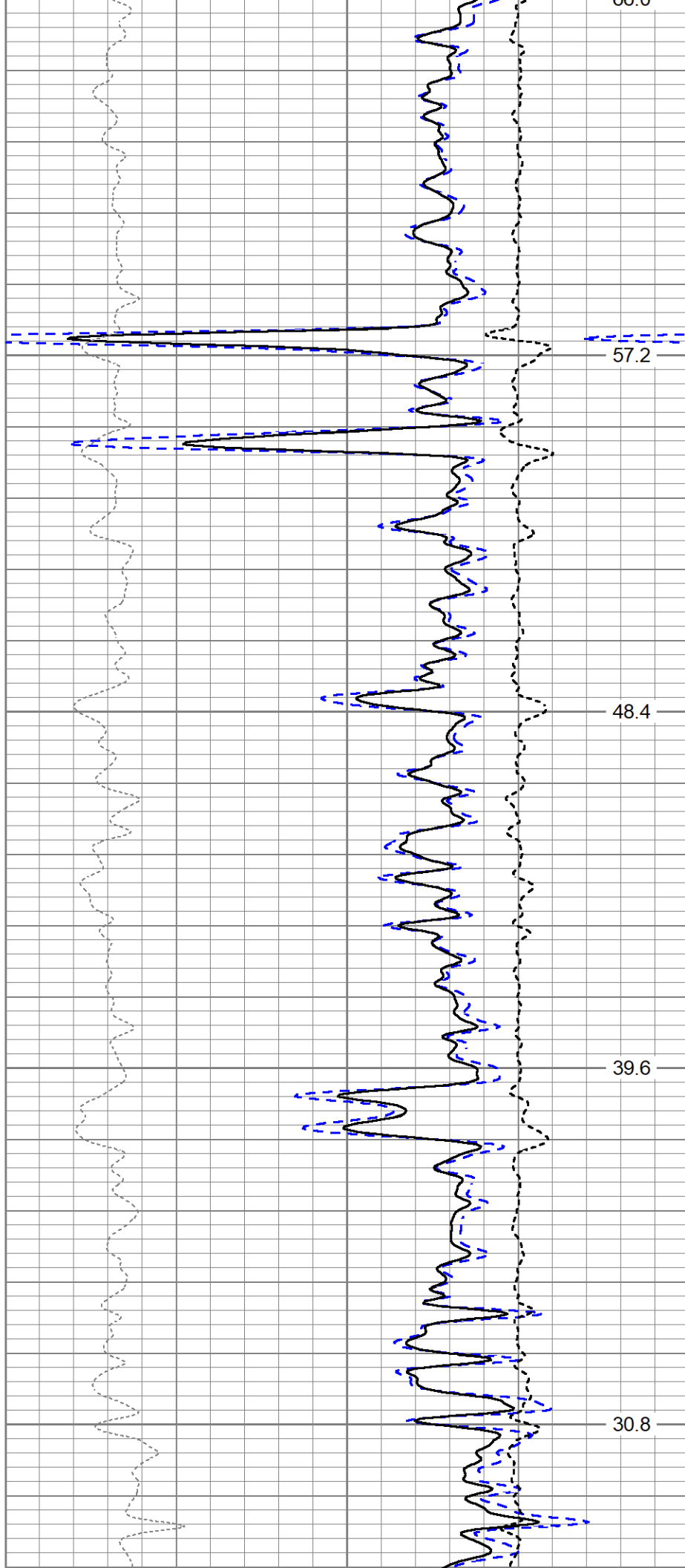
83.0

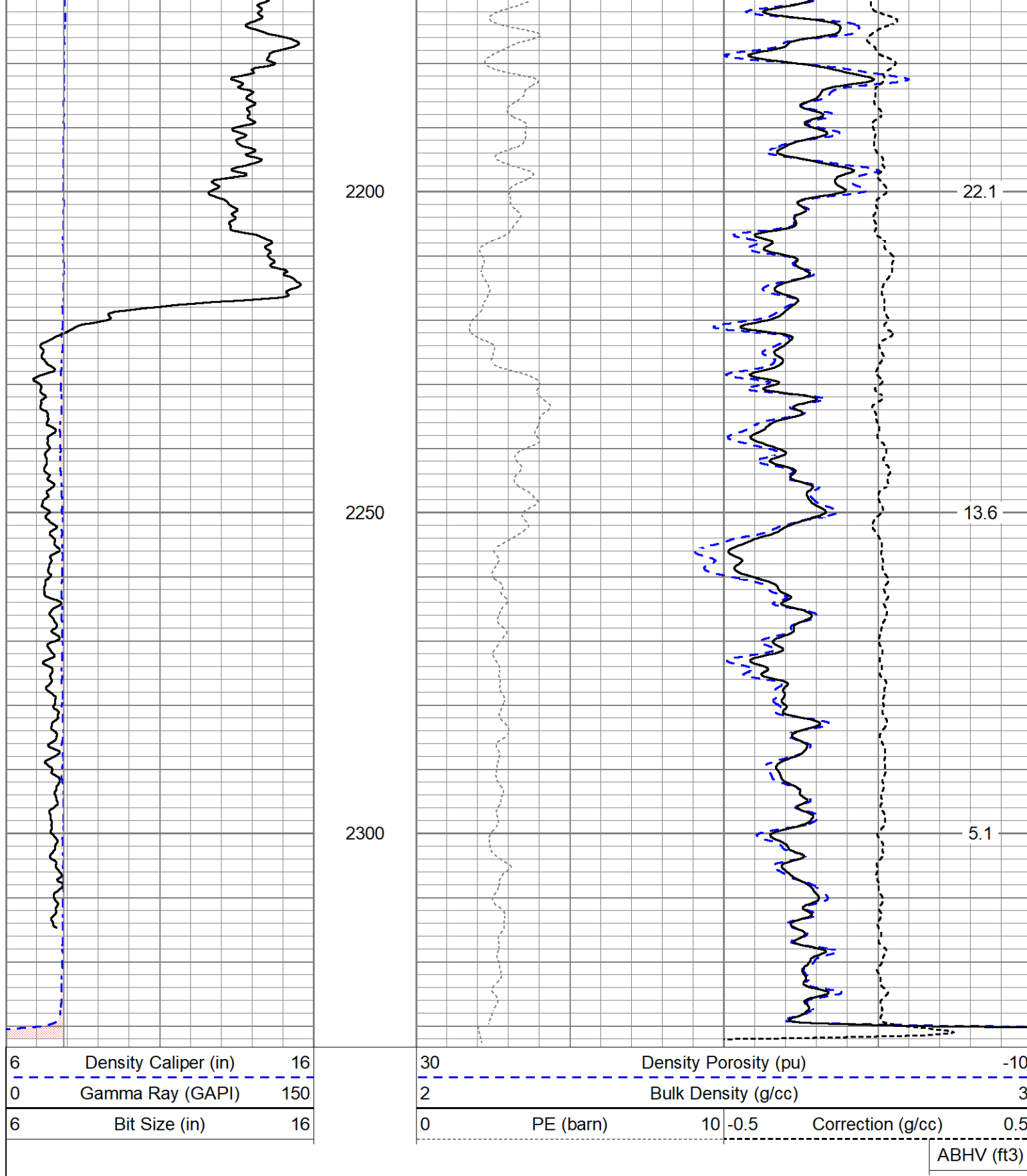
74.5

66.0



1950
2000
2050
2100
2150





Calibration Report

Database File ow2-9035 lone wolf.db
Dataset Pathname pass3
Dataset Creation Wed Mar 30 21:41:30 2022

Admyr Lithodensity Calibration Report

Serial-Model: 1B-B
Source: Blue2

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	6824.39	8300.86	cps
Aluminium	2.590	g/cc	1750.33	4182.69	cps
Aluminium+Sleeve	2.713	g/cc	1436.78	3758.80	cps
Spine Angle = 63.26			Density/Spine Ratio = 0.578		
	PE		NLITH	NHARD	
Magnesium	1.970	barn	4823.79	4825.45	cps
Aluminium	2.530	barn	1131.99	1292.59	cps
Aluminium+Sleeve	3.308	barn	845.95	1129.04	cps
M = 0.820			B = -0.315	R = 0.998	
	Size		Reading		
Small Ring	8.60	in	3.88	V	
Large Ring	14.80	in	8.96	V	

Neutron Calibration Report

Serial Number:	ADMYR1				
Tool Model:	ADDON				
Performed:	Tue Mar 29 19:38:37 2022				
Calibrator Values:	0	30			
Calibrator Readings:	900	290	cps		
Sensitivity:	-0.0491803	/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)
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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					
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					
NLITH	2.63					
LSTAT	2.17					
LSV	2.17					
		Dataset:	ow2-9035 lone wolf.db: field/well/run1/pass3			
		Total length:	19.02 ft			
		Total weight:	375.00 lb			
		O.D.:	4.25 in			