



LITHO DENSITY  
NEUTRON LOG

Company VAL ENERGY INC  
Well J.O. BROWN # 3-2  
Field ALBRIGHT  
County COWLEY  
State KANSAS

Location: API #: 15-035-24757-00-00  
NE SW SW NE  
2115' FNL & 2140' FEL  
SEC 2 TWP 34S RGE 5E  
Permanent Datum GL Elevation 1255  
Log Measured From KB  
Drilling Measured From KB  
Other Services  
DIL  
MEL  
Elevation  
K.B. 1264  
D.F. 1263  
G.L. 1255

Date	6-12-2022
Run Number	ONE
Depth Driller	3420
Depth Logger	3415
Bottom Logged Interval	3413
Top Log Interval	SURFACE
Casing Driller	8.625" @ 200'
Casing Logger	8.625" @ 200'
Bit Size	7.875"
Type Fluid in Hole	MUD
Density / Viscosity	9.6 / 46
pH / Fluid Loss	
Source of Sample	PIT
Rm @ Meas. Temp	2.5 @ 70
Rmf @ Meas. Temp	2.0 @ 70
Rmc @ Meas. Temp	3.0 @ 70
Source of Rmf / Rmc	CALCULATED
Rm @ BHT	1 @ 110
Time Circulation Stopped	4:30 PM
Time Logger on Bottom	9:00 PM
Maximum Recorded Temperature	110
Equipment Number	OW2
Location	HOMINY, OK
Recorded By	SHELDON TYLER
Witnessed By	MR. WOLFE
	KIDD
	TAFIT

<<< 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 # OW2-9072 VAL ENERGY  
THANK YOU FOR USING OSAGE WIRELINE

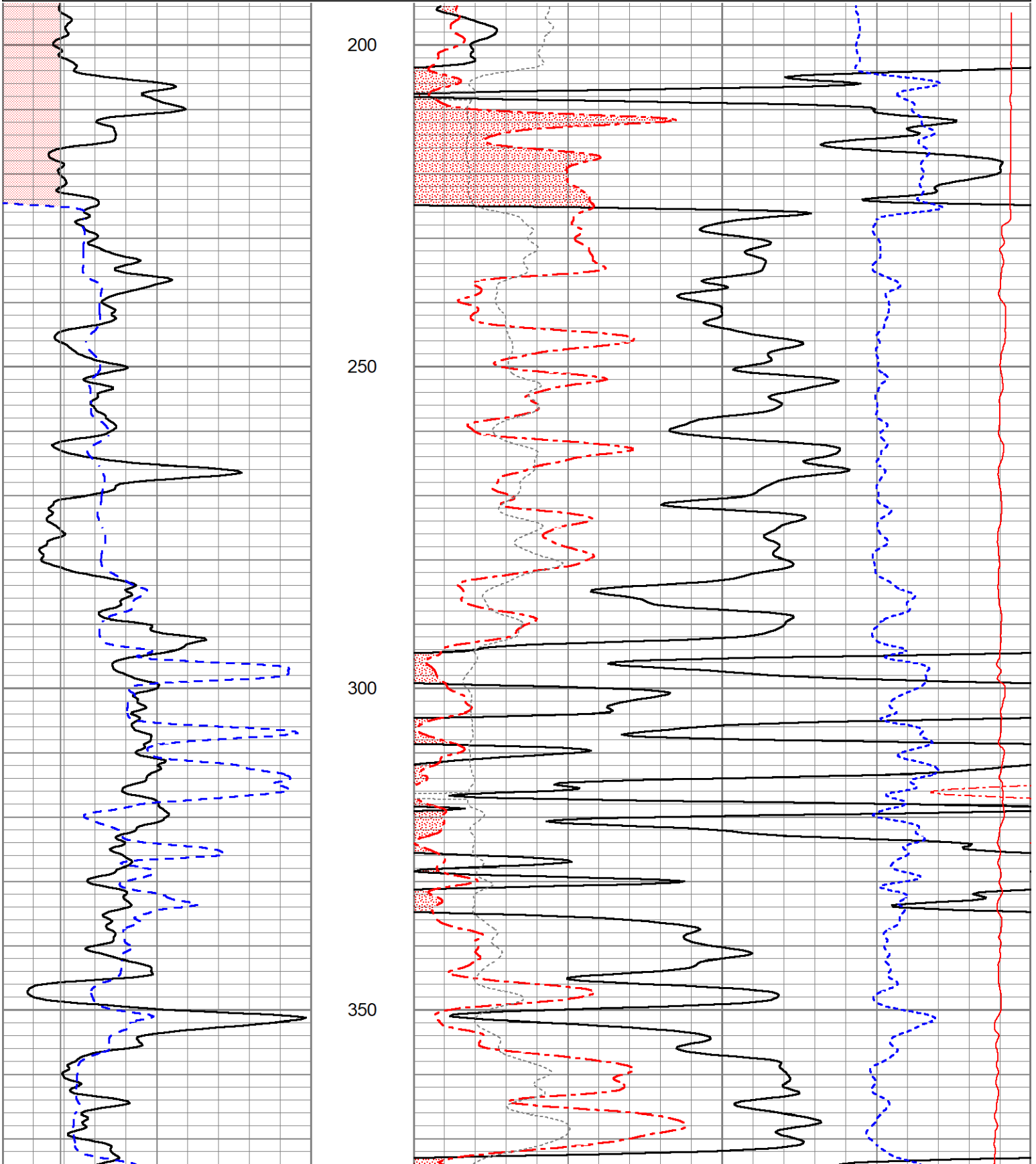


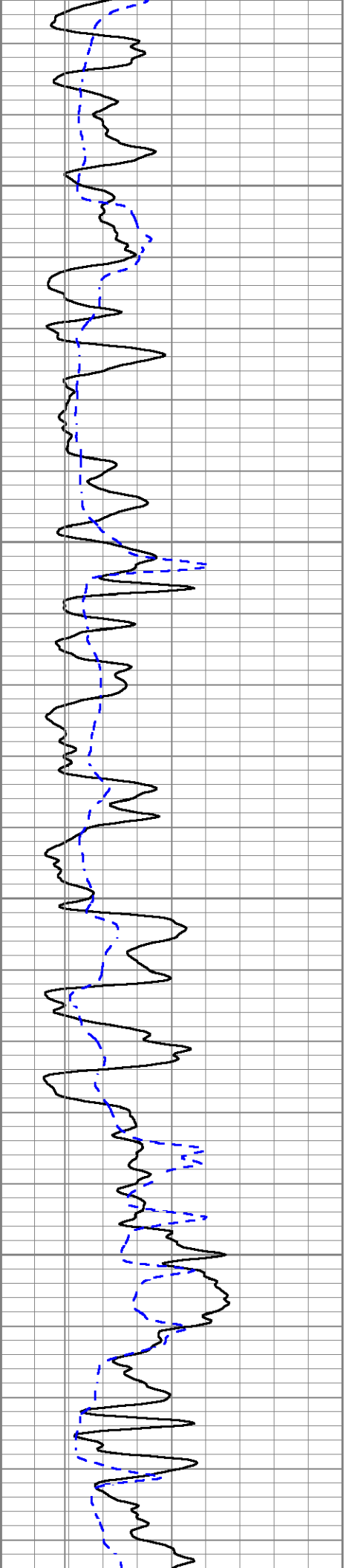
5" DENSITY NEUTRON LOG

Database File ow2-9072 val energy.db  
 Dataset Pathname pass3.5  
 Presentation Format stcdIn-6-16\_5  
 Dataset Creation Sun Jun 12 23:37:47 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



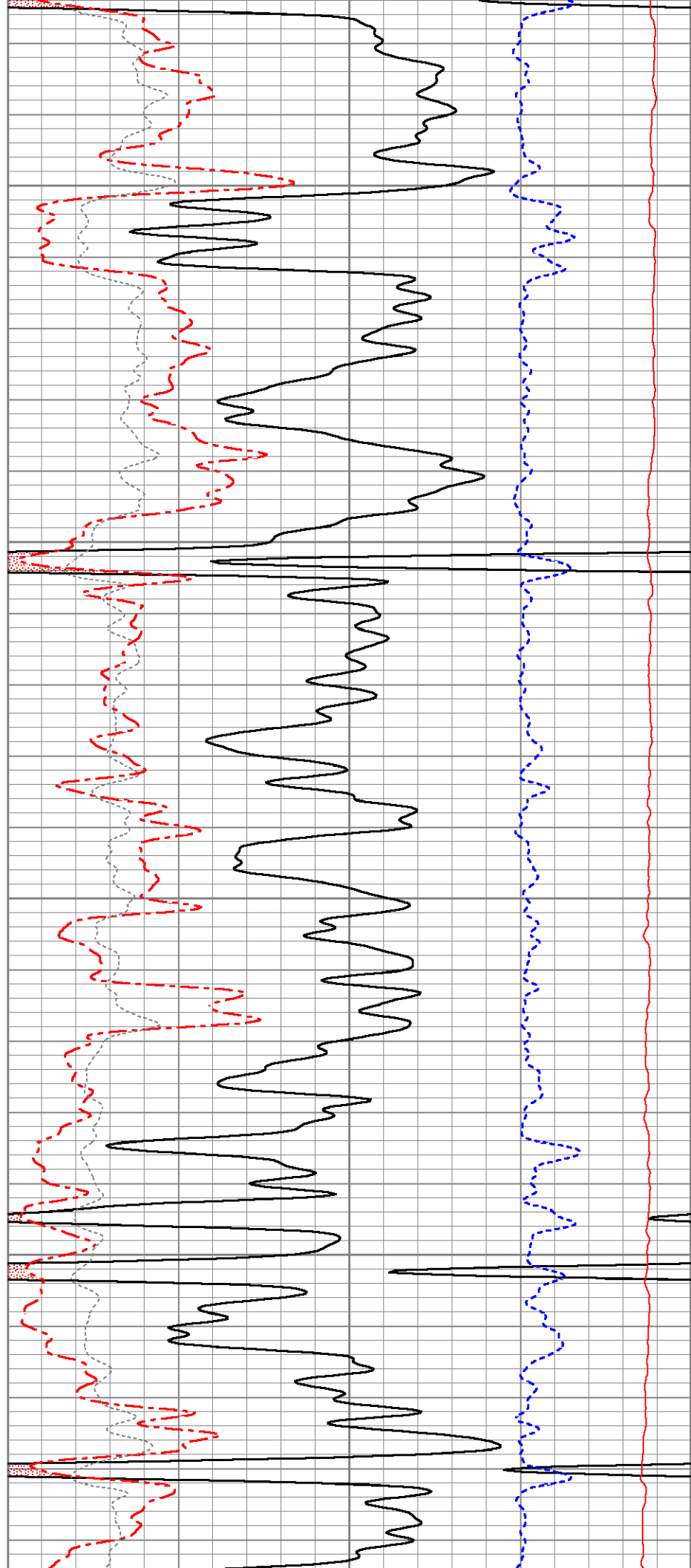


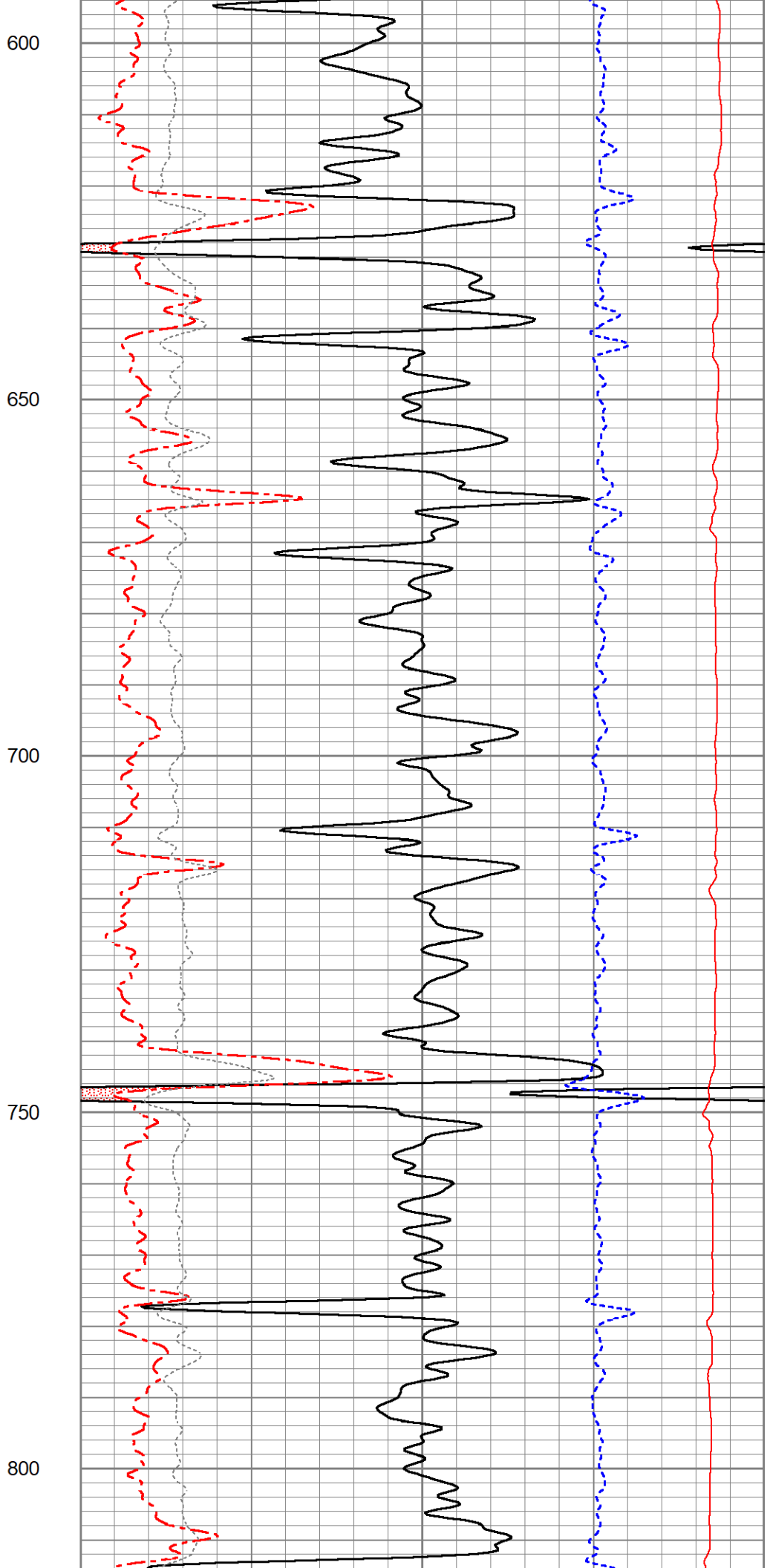
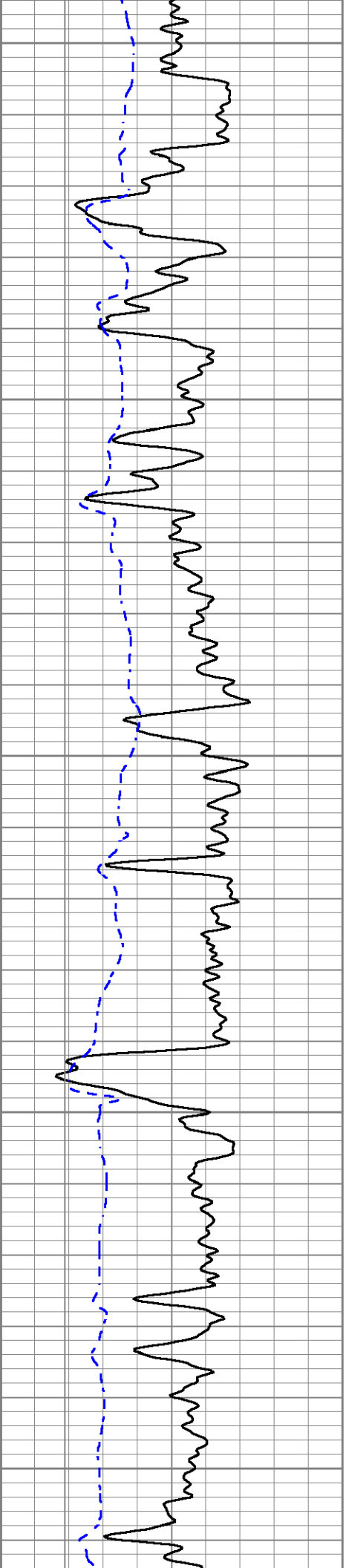
400

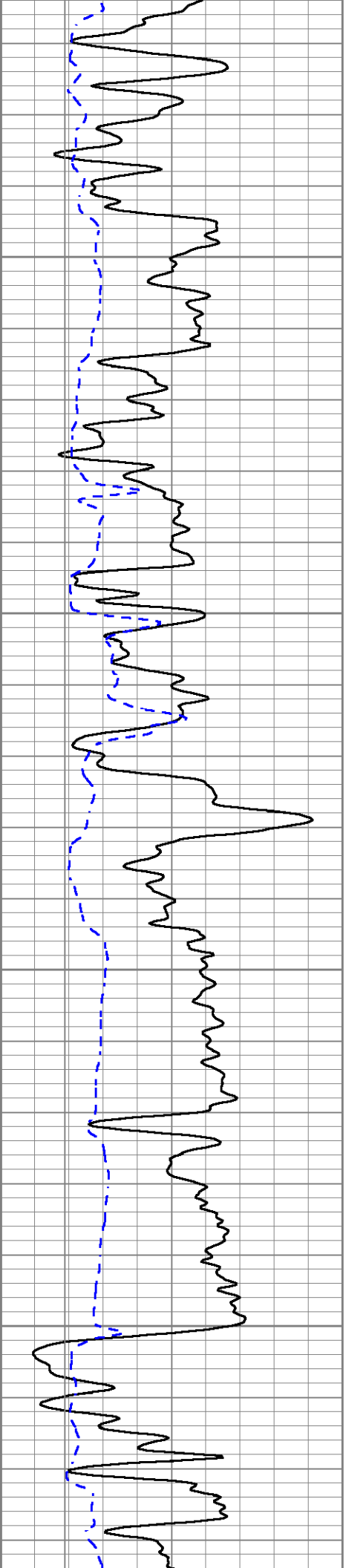
450

500

550





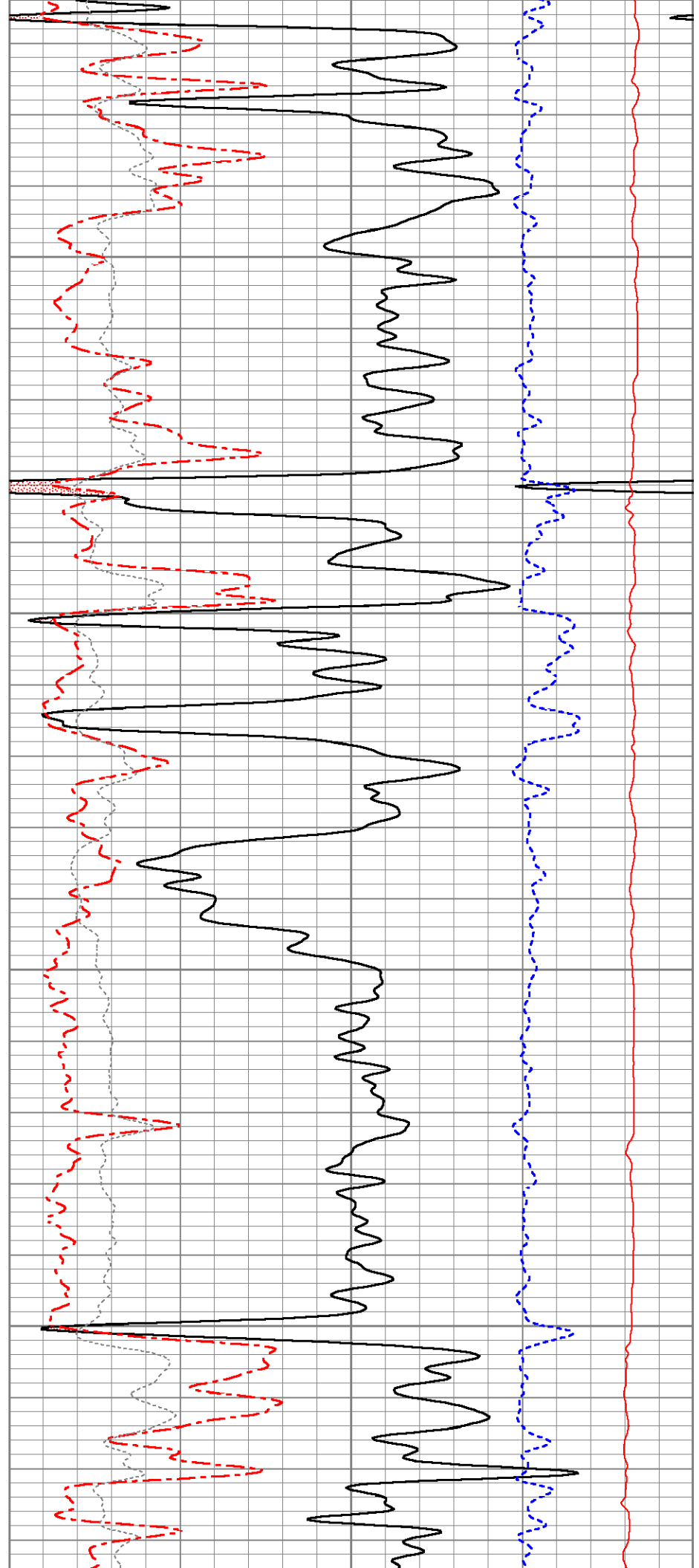


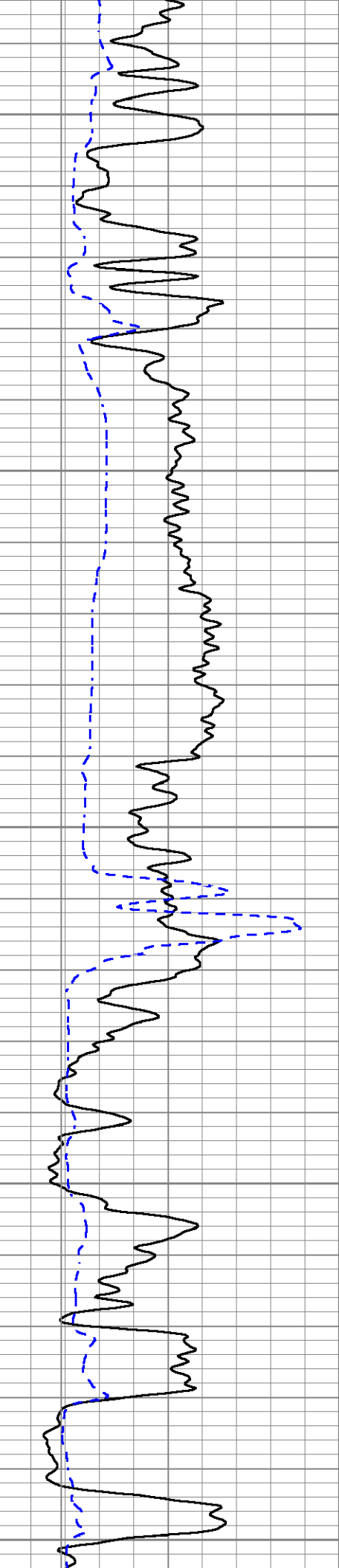
850

900

950

1000





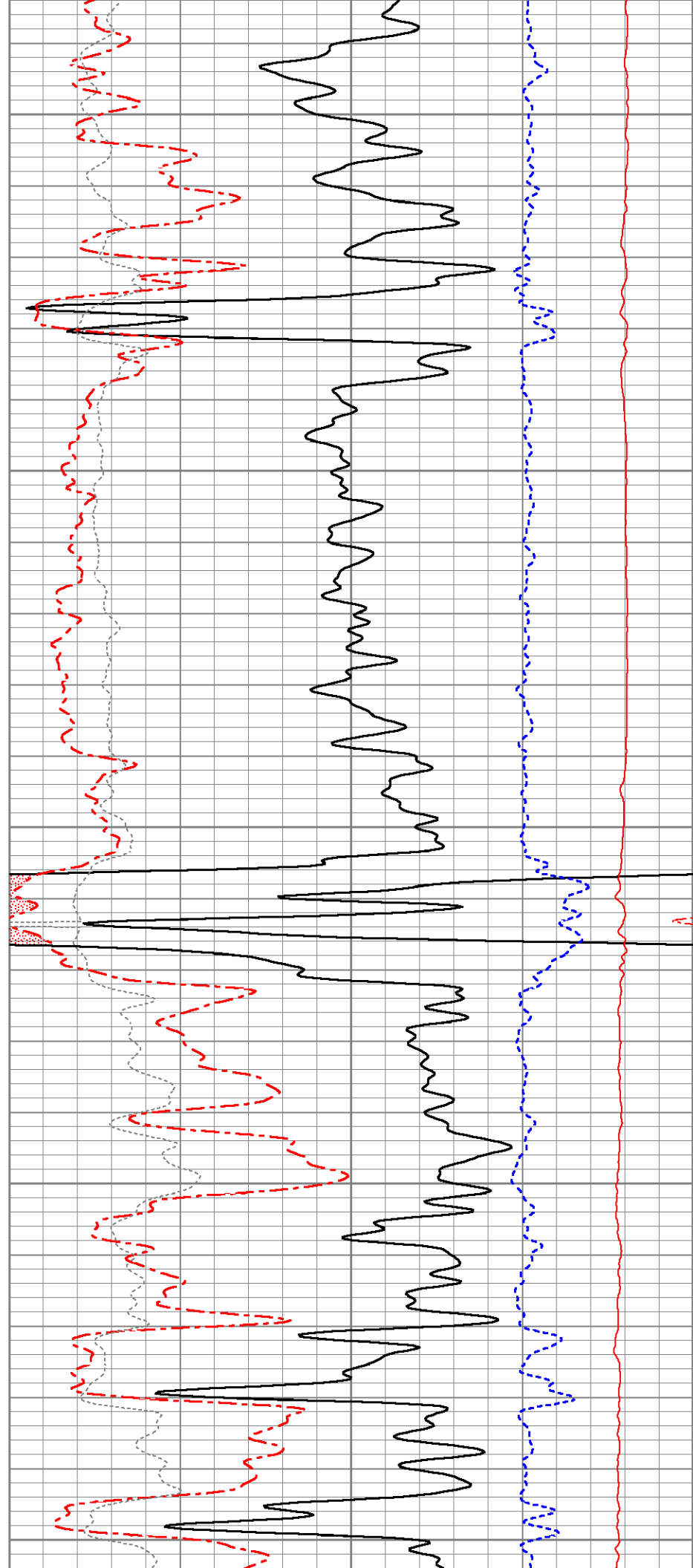
1050

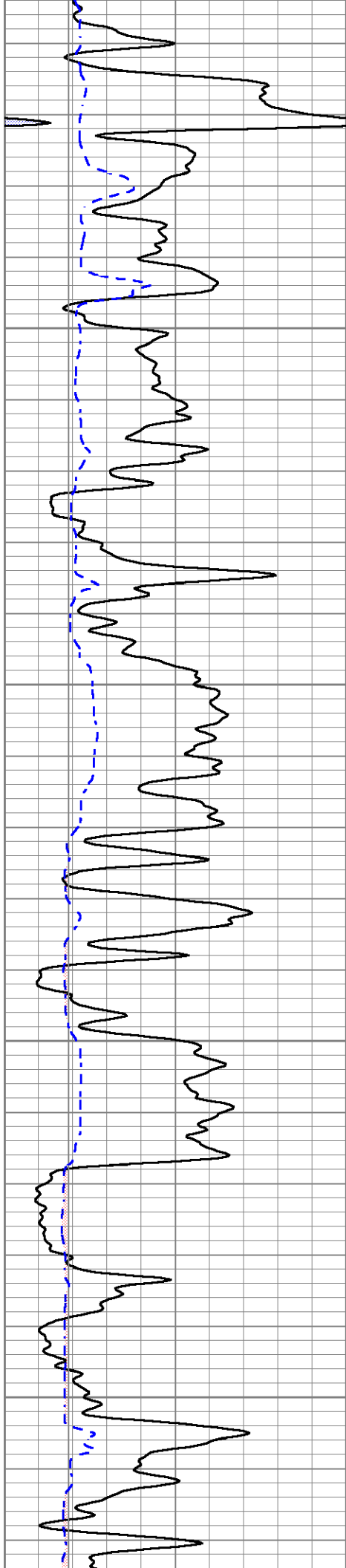
1100

1150

1200

1250



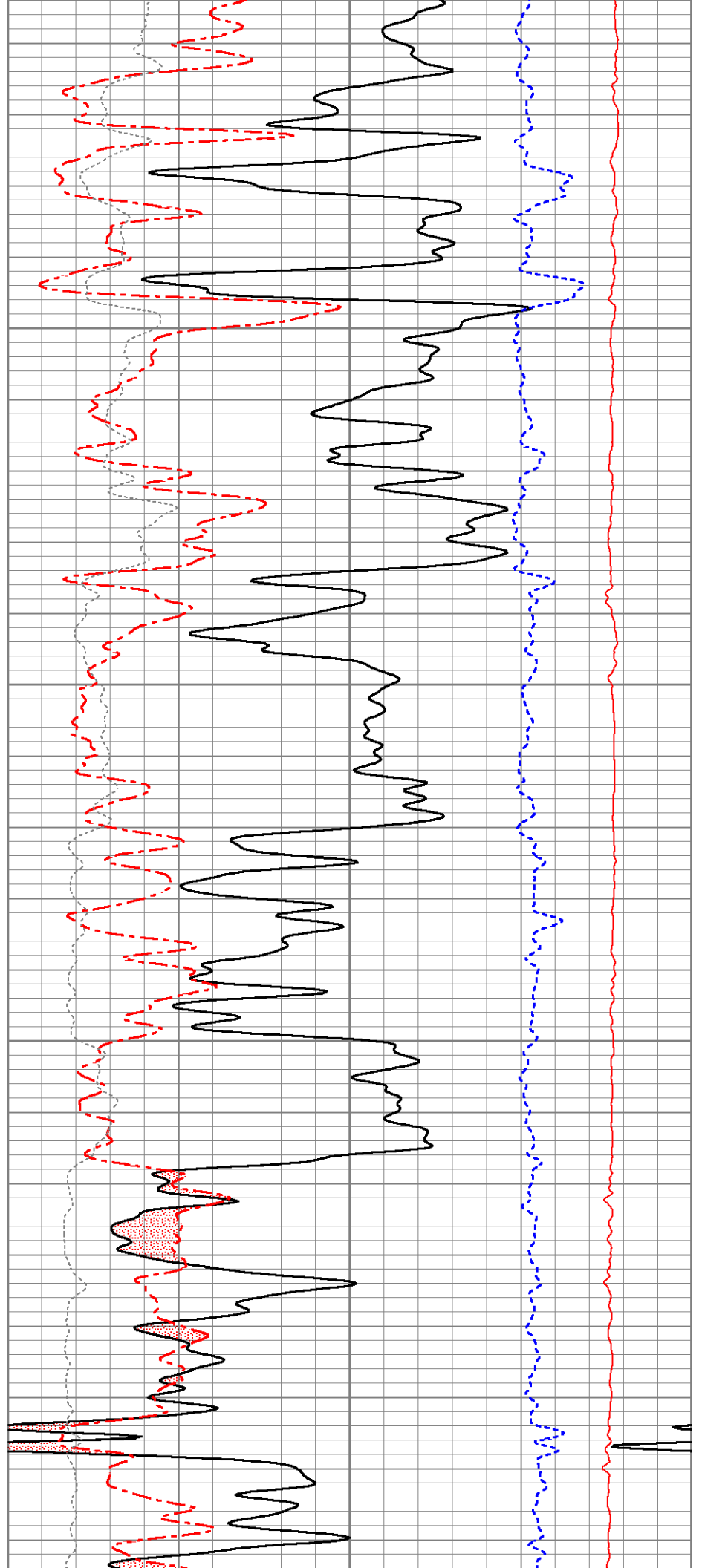


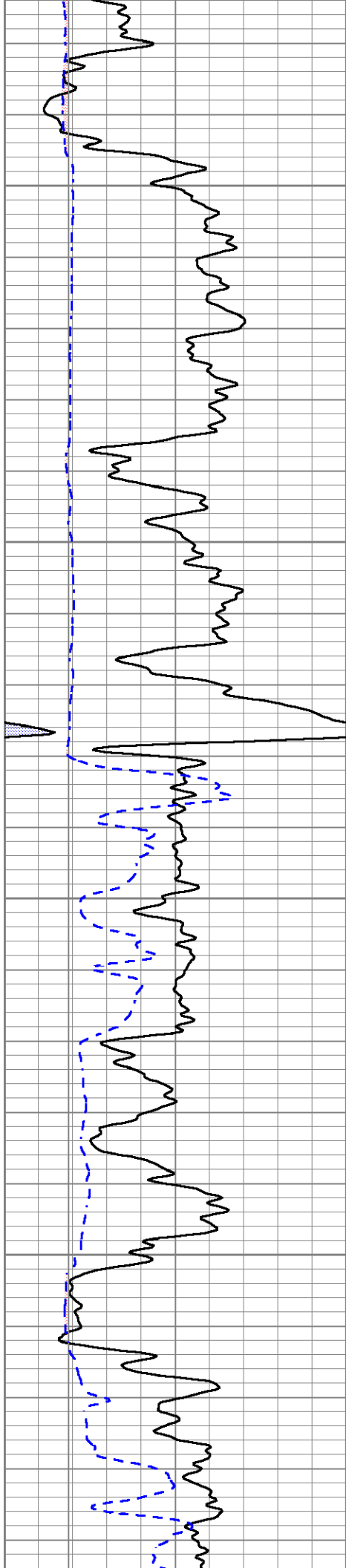
1300

1350

1400

1450



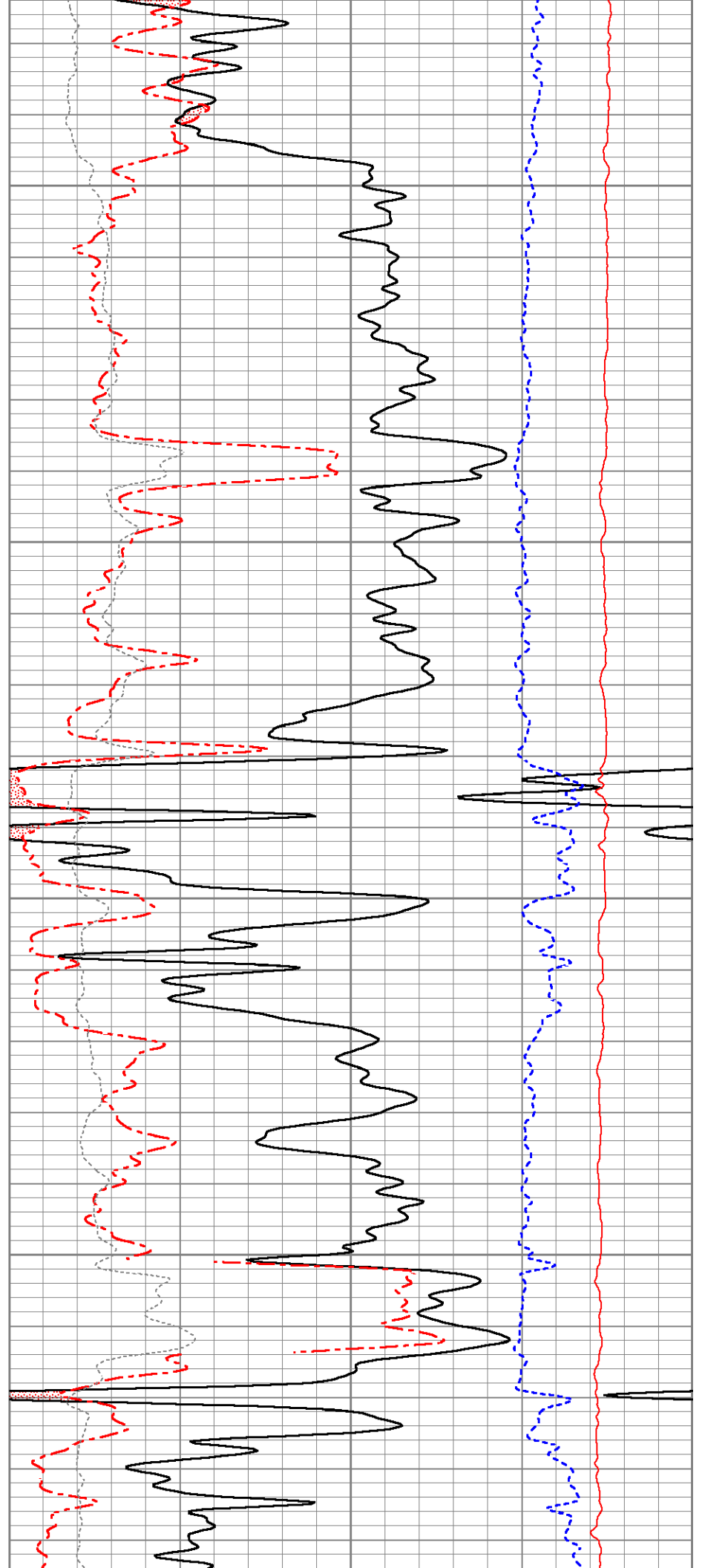


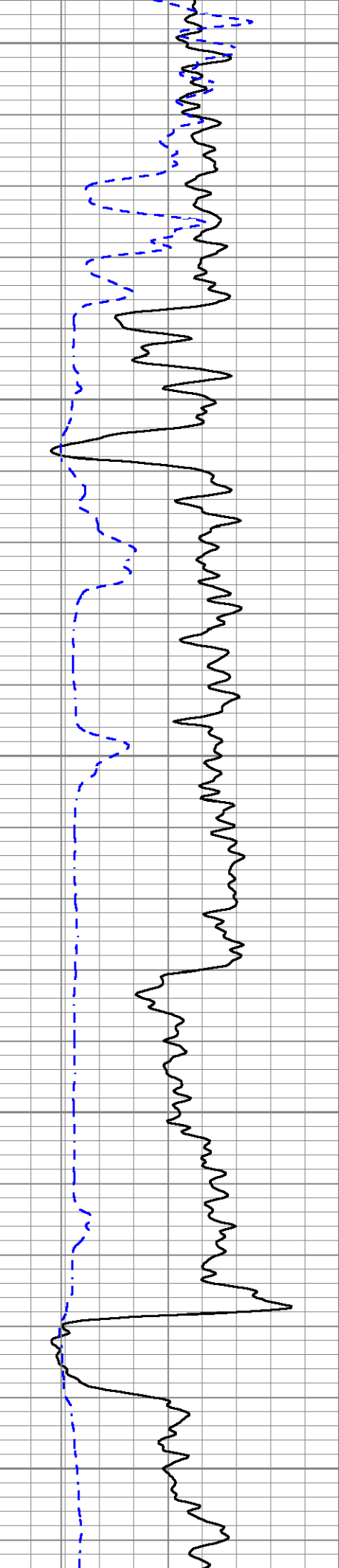
1500

1550

1600

1650





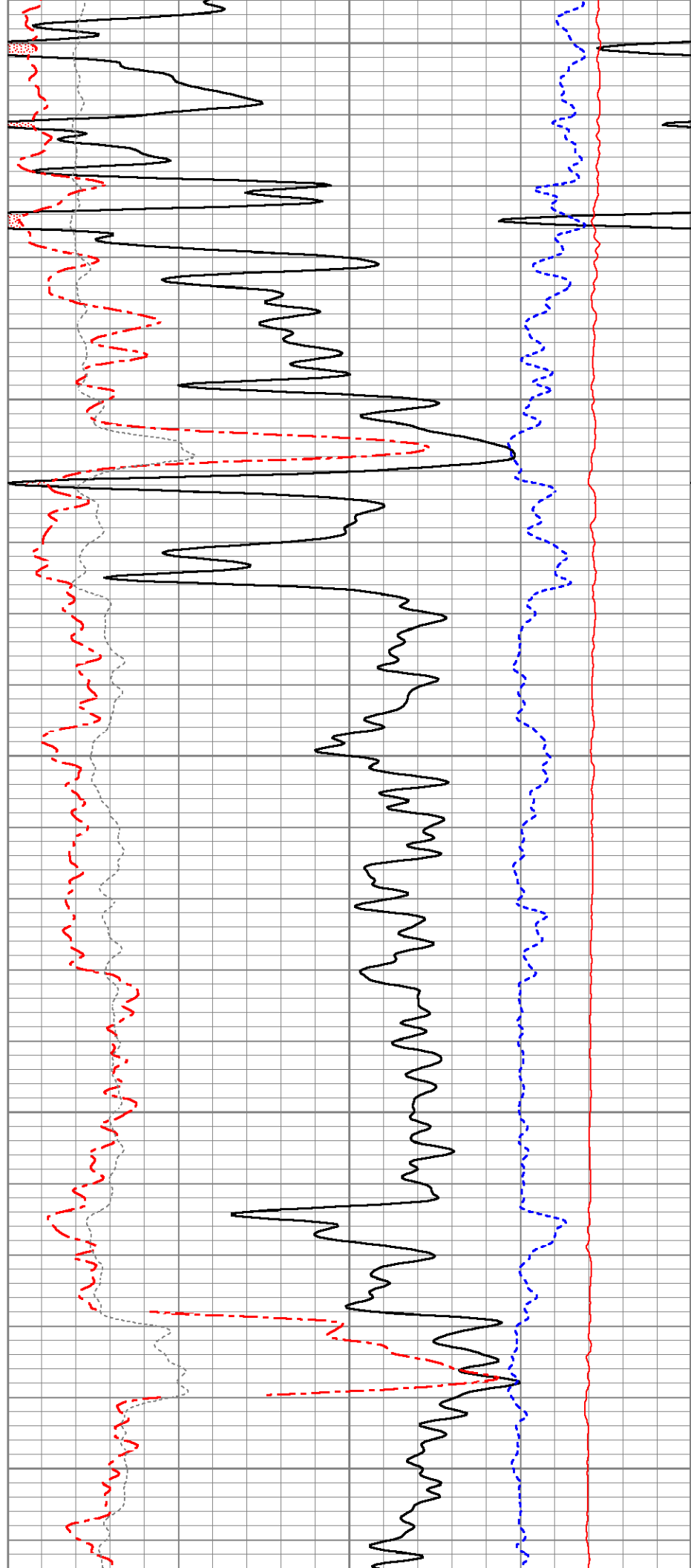
1700

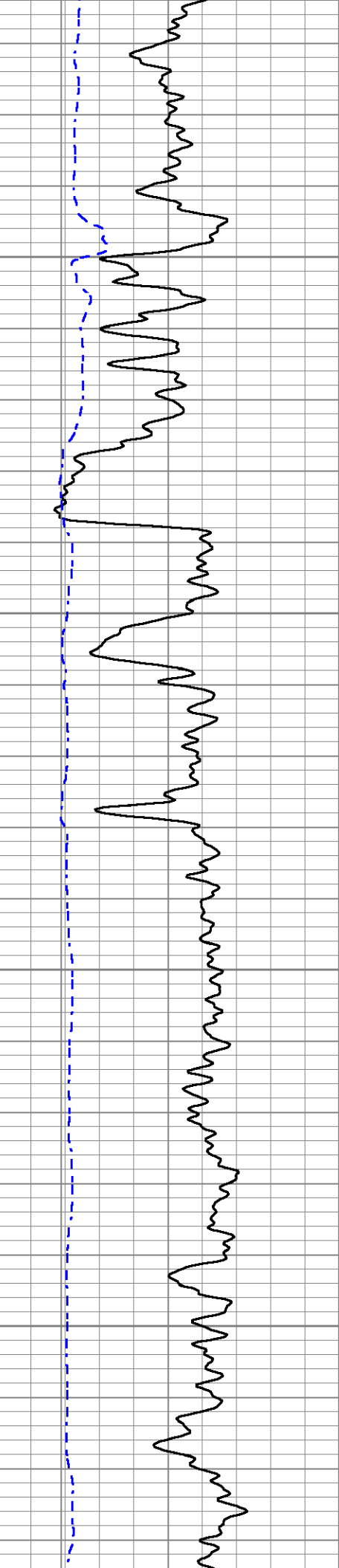
1750

1800

1850

1900



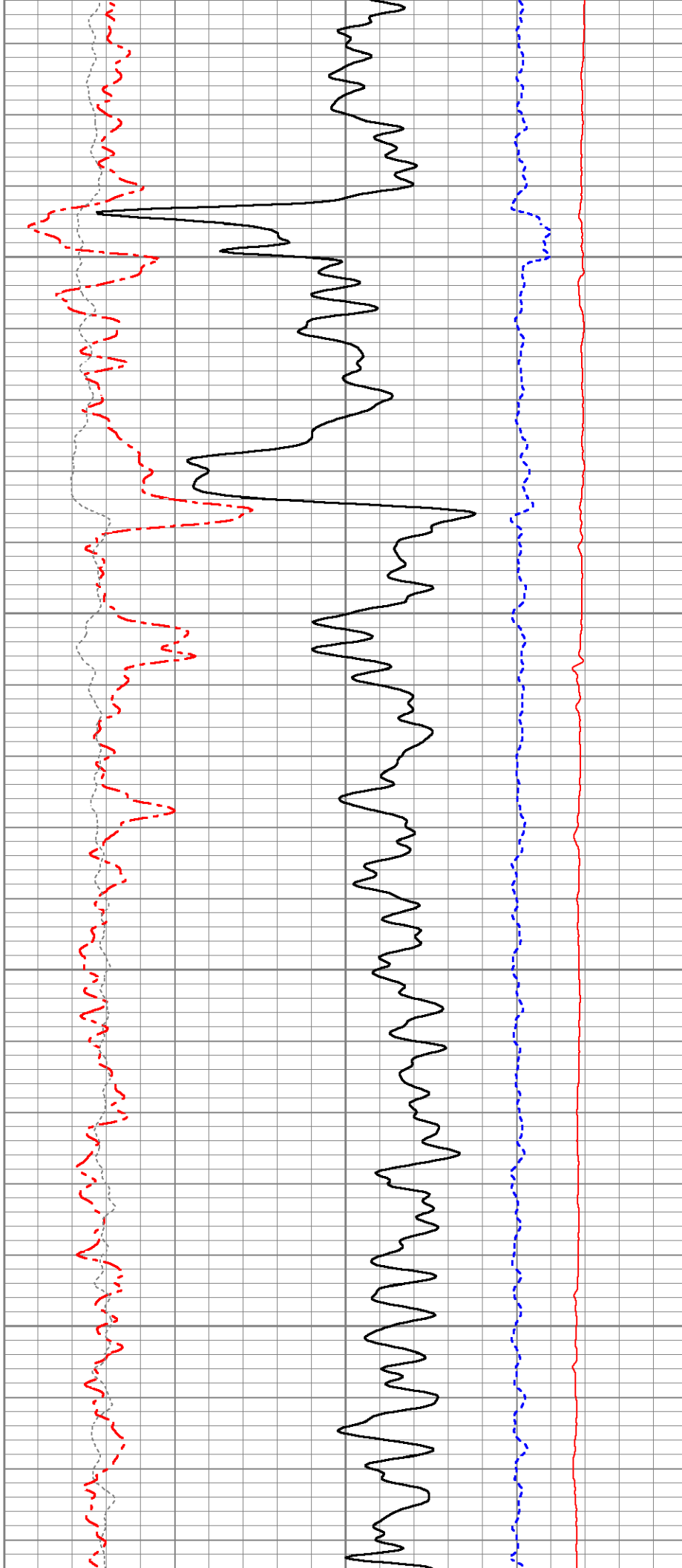


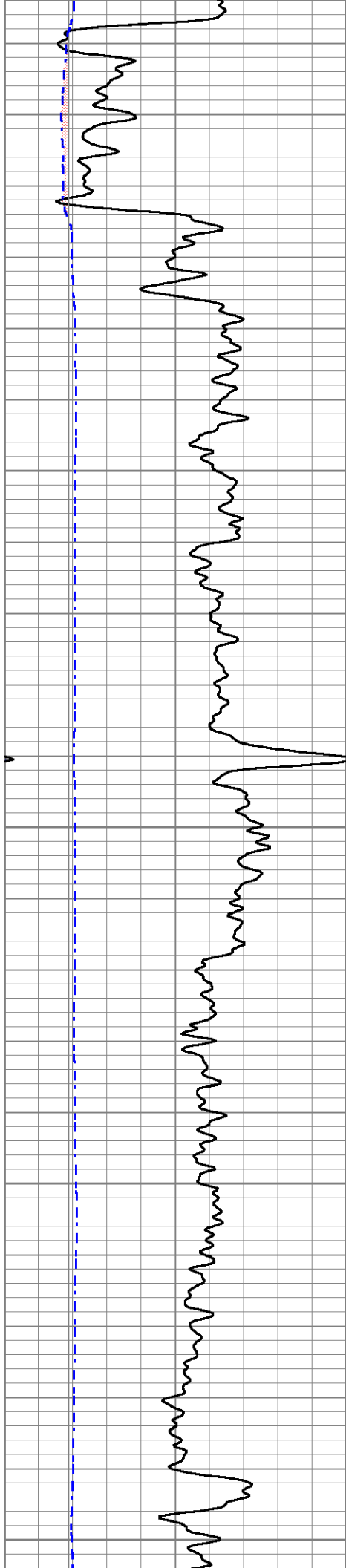
1950

2000

2050

2100





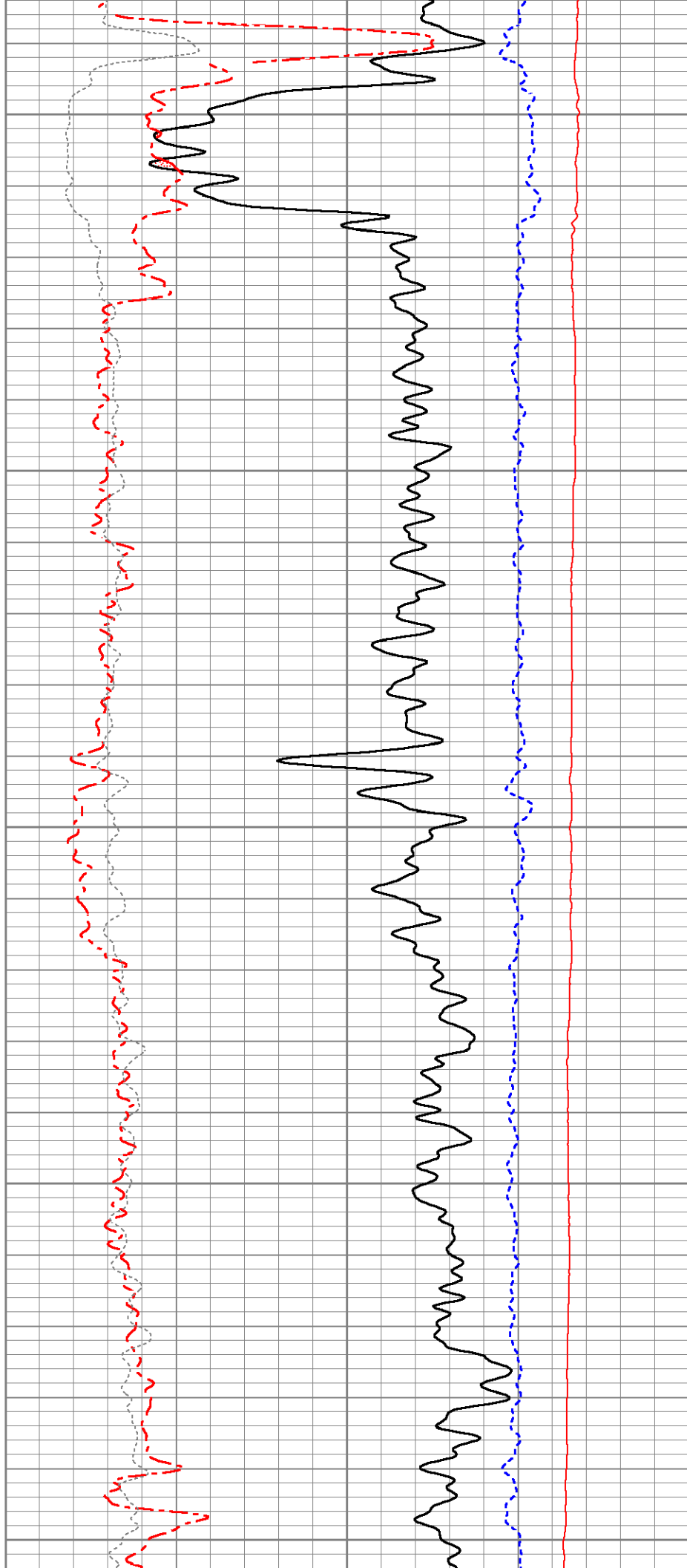
2150

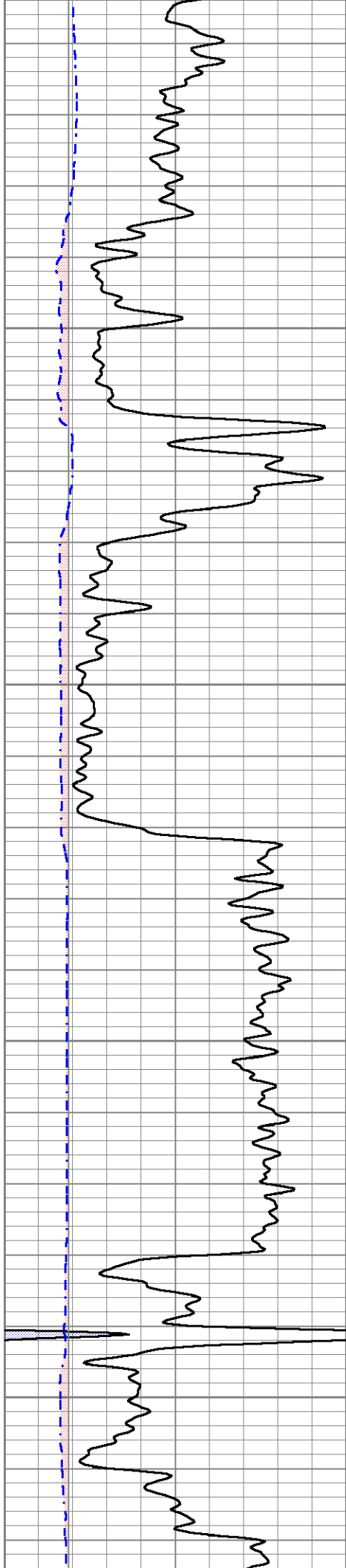
2200

2250

2300

2350



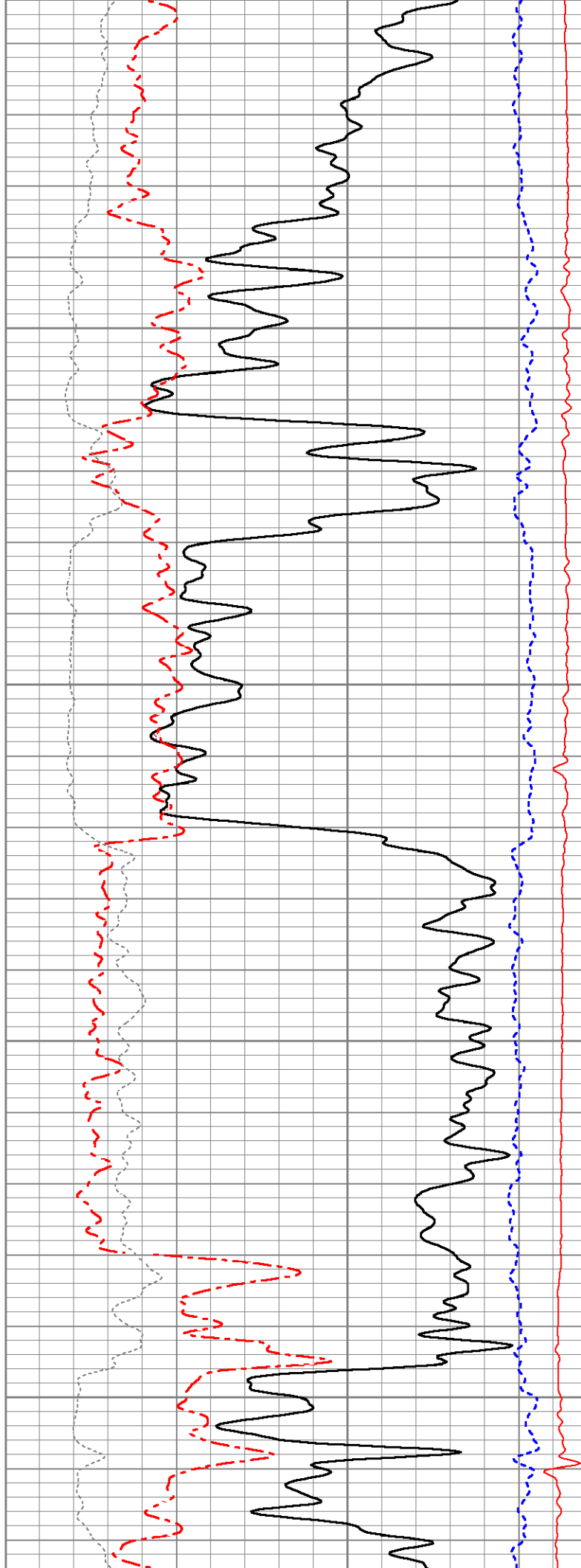


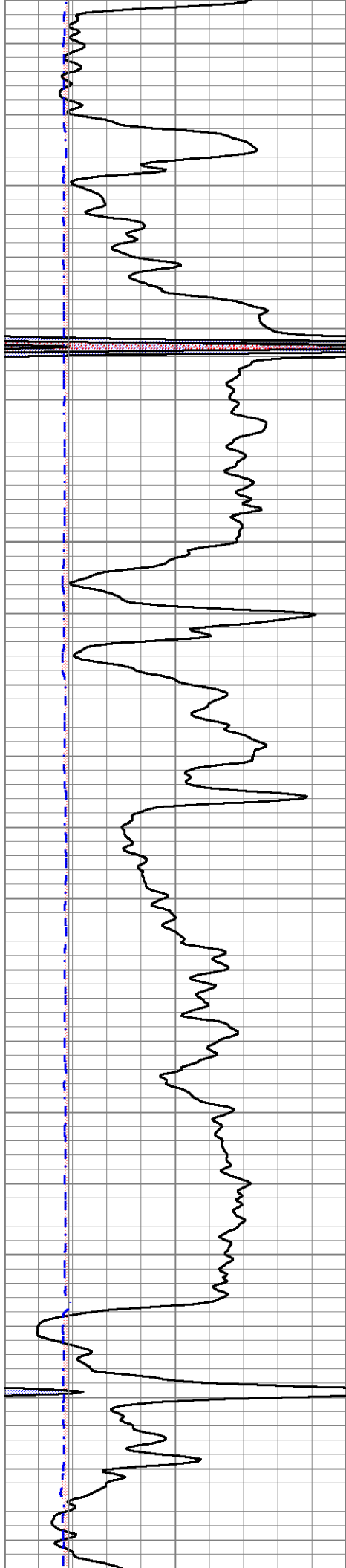
2400

2450

2500

2550



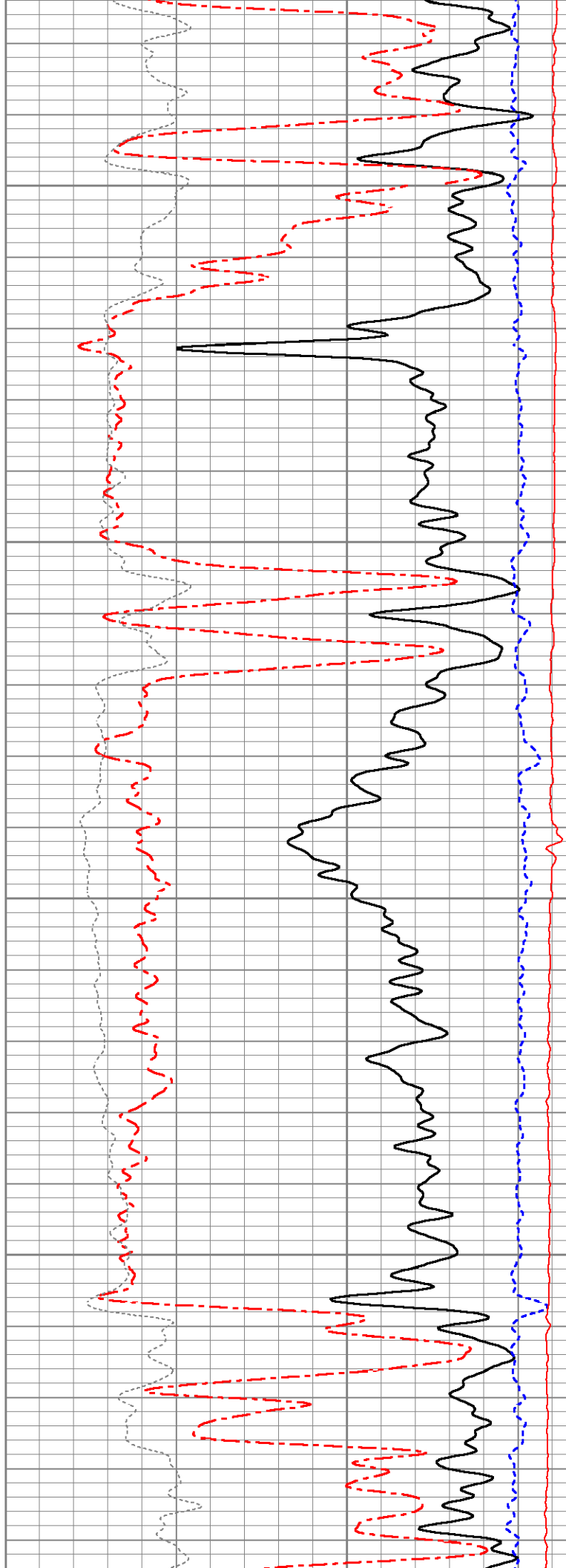


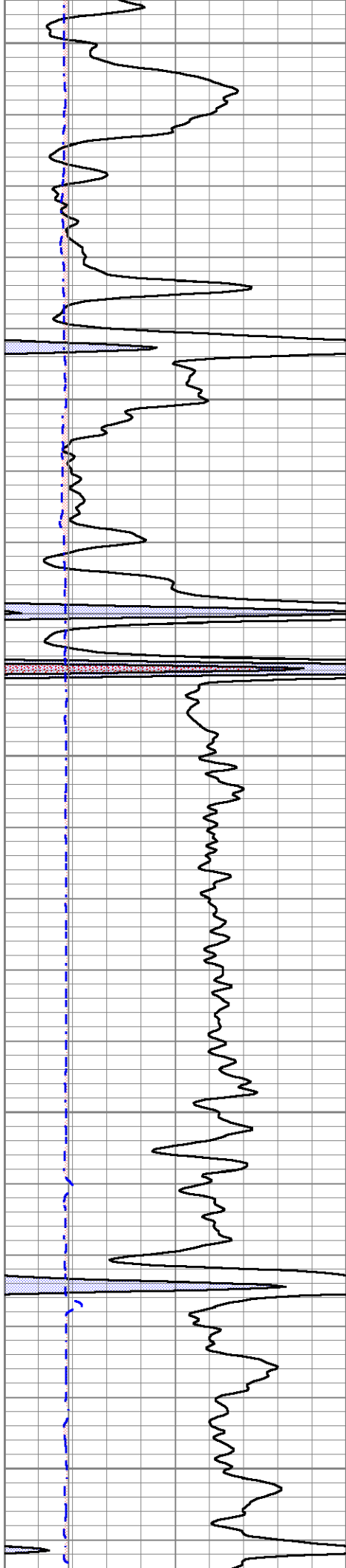
2600

2650

2700

2750





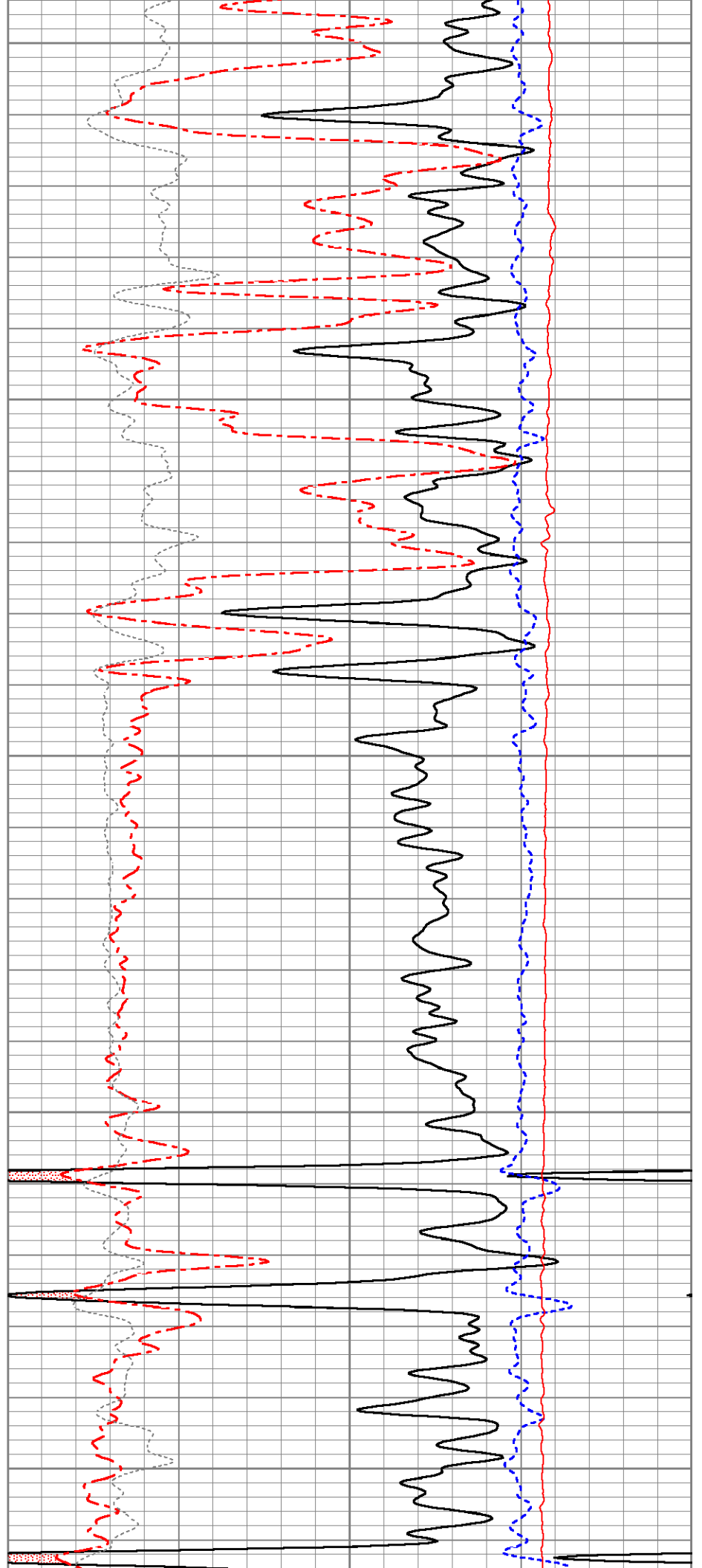
2800

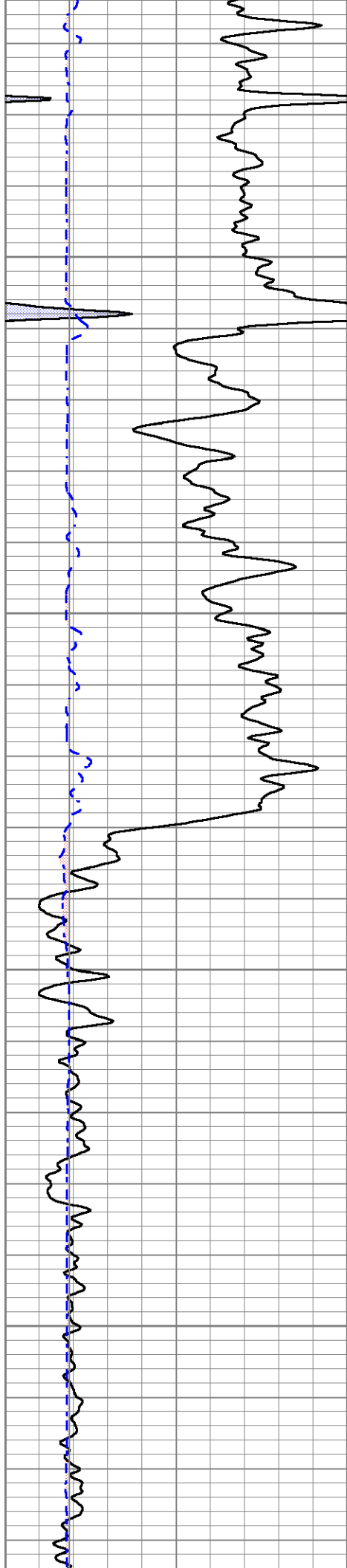
2850

2900

2950

3000



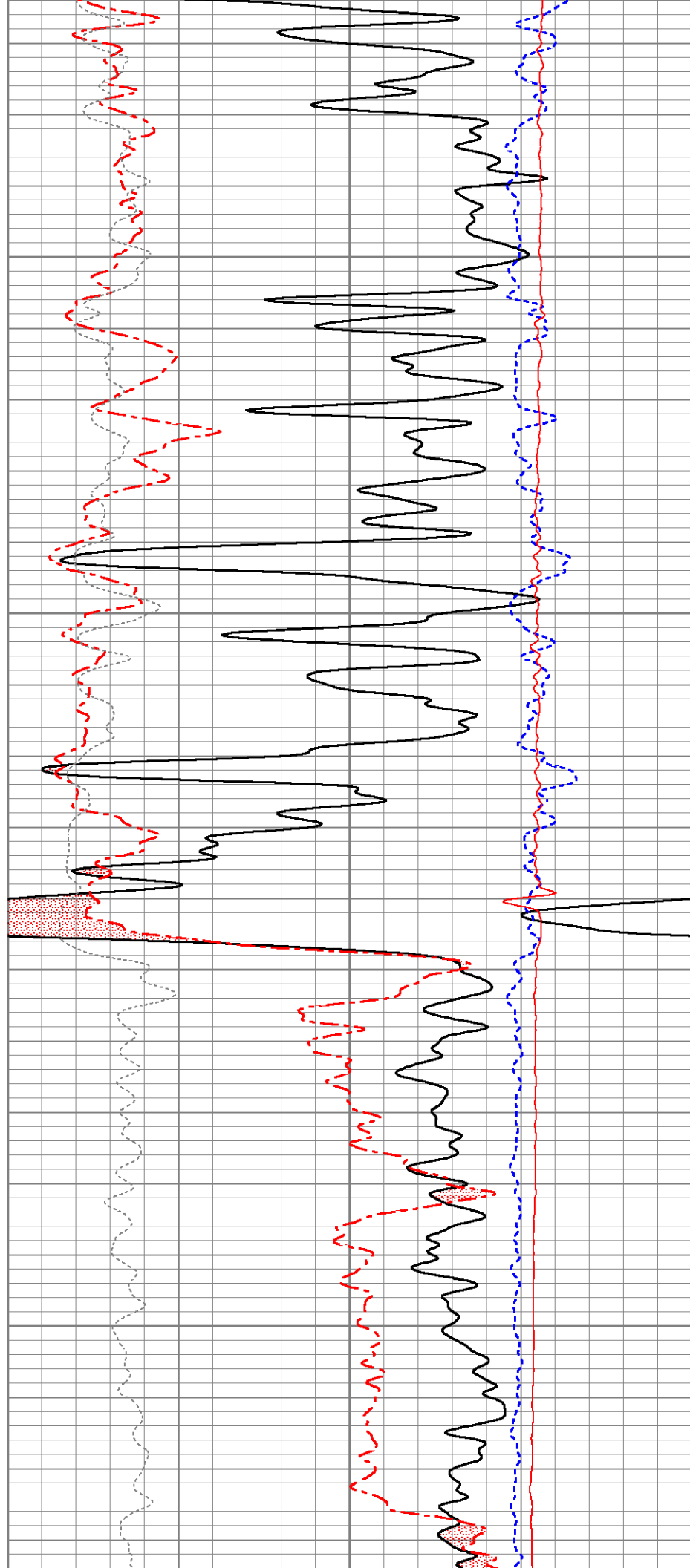


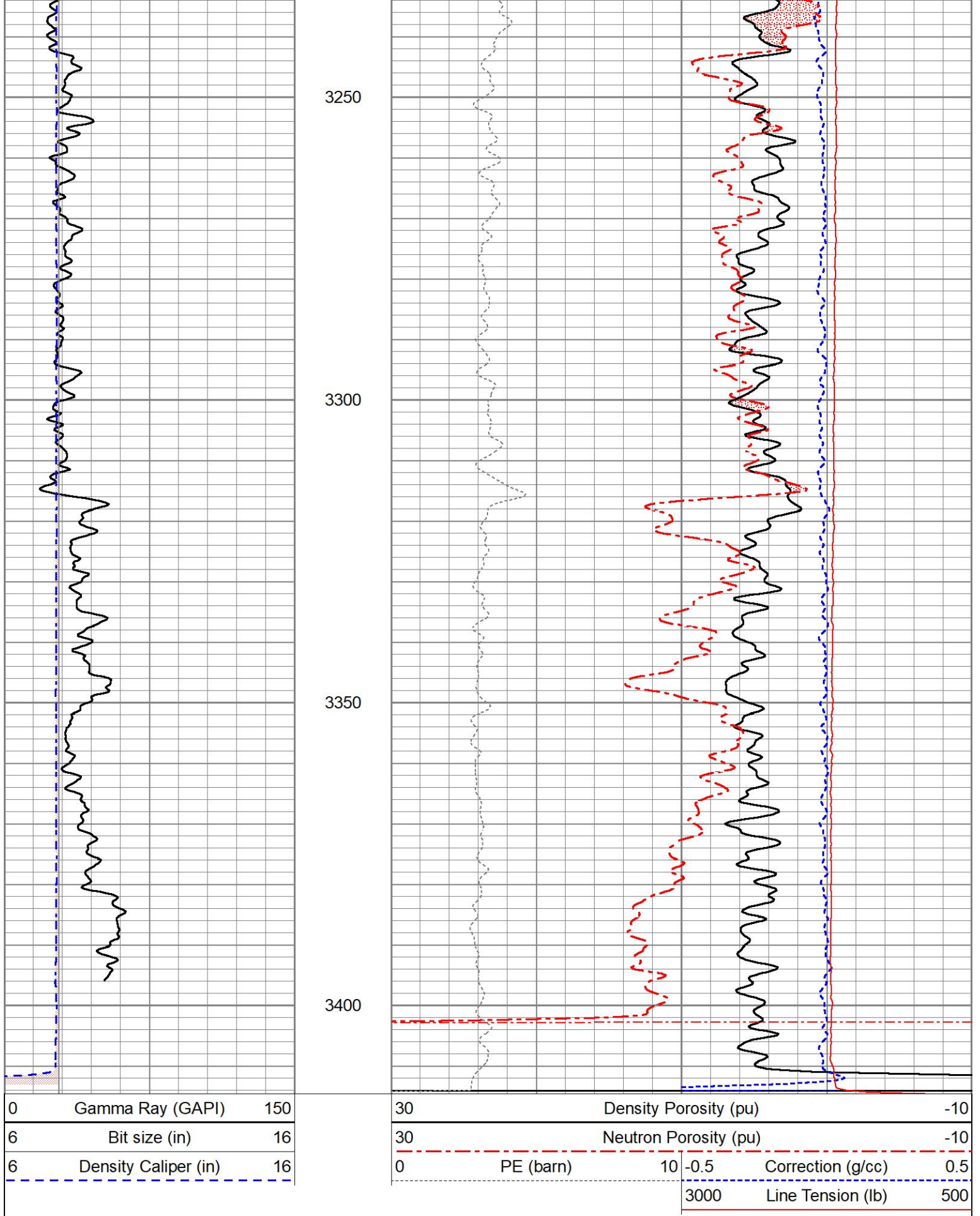
3050

3100

3150

3200





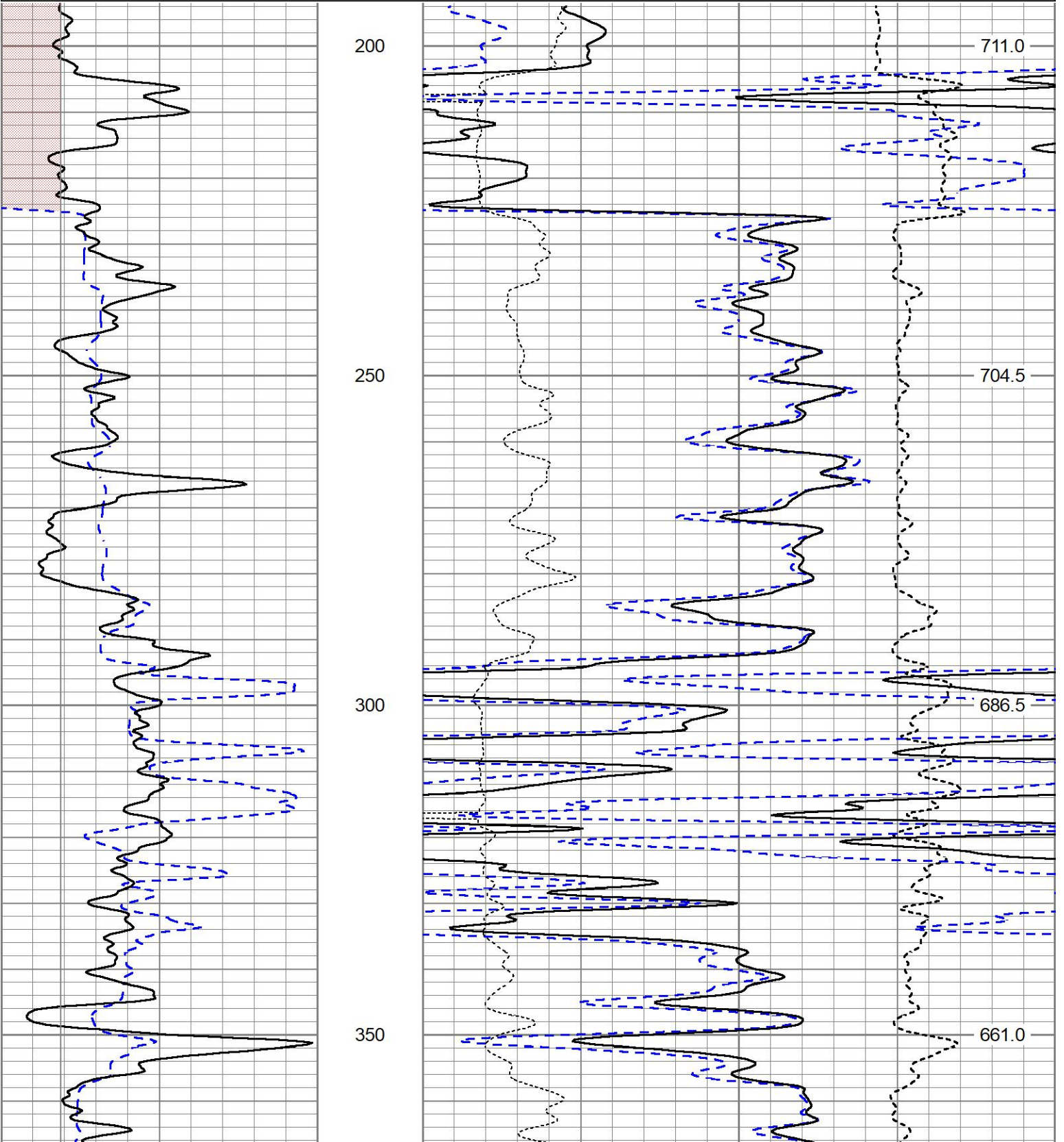
# 5" LITHO DENSITY LOG

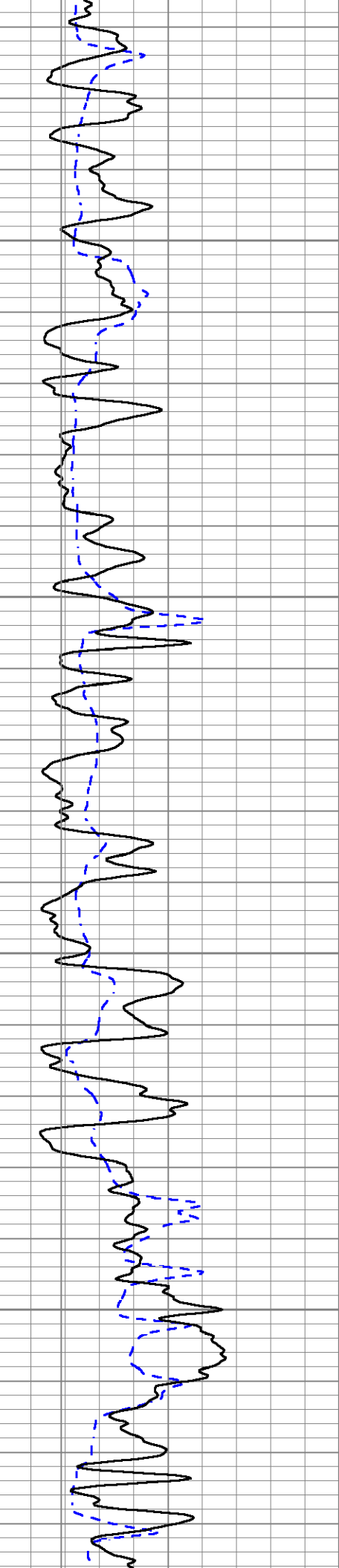
Database File ow2-9072 val energy.db  
 Dataset Pathname pass3.6  
 Presentation Format stcdl-6-16\_5  
 Dataset Creation Sun Jun 12 23:37:54 2022  
 Charted by Depth in Feet scaled 1:240

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)



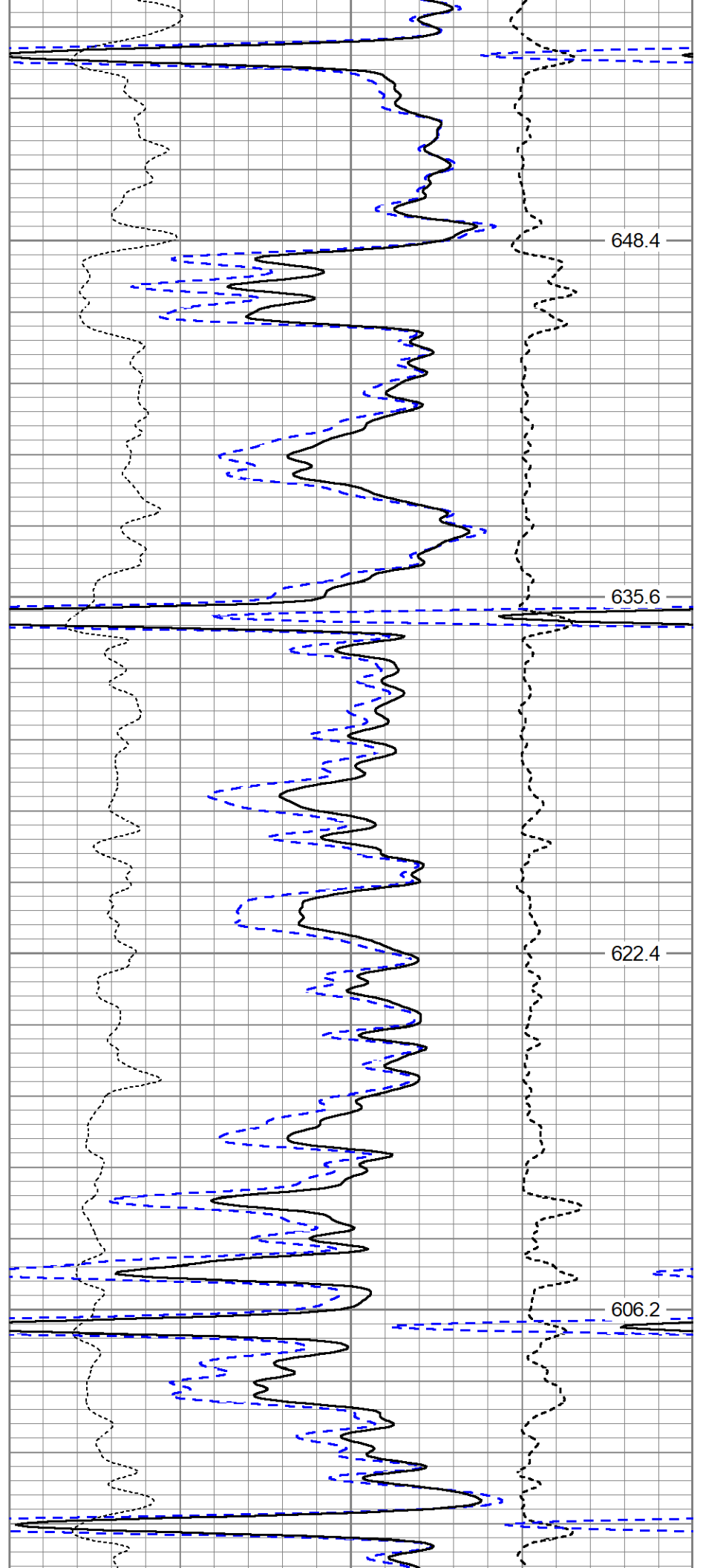


400

450

500

550

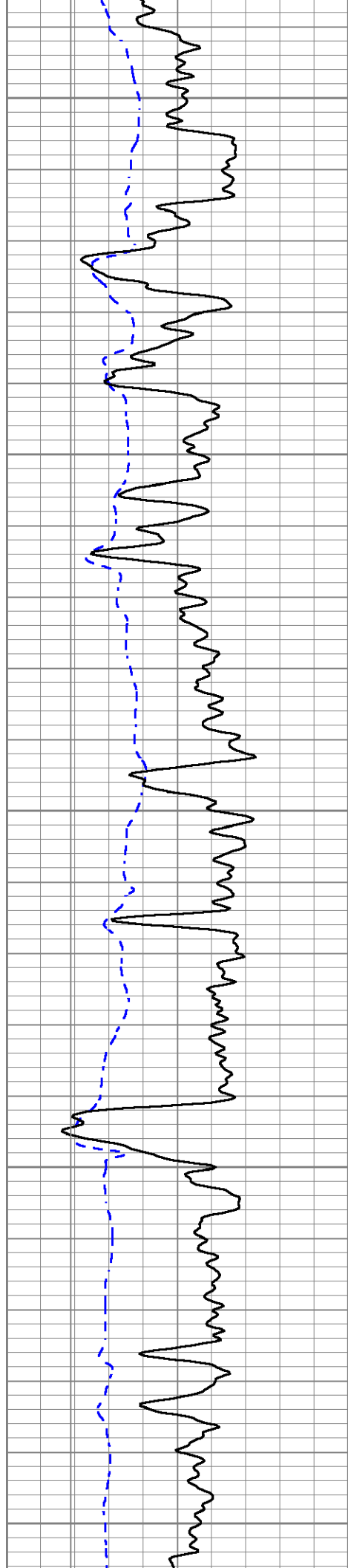


648.4

635.6

622.4

606.2



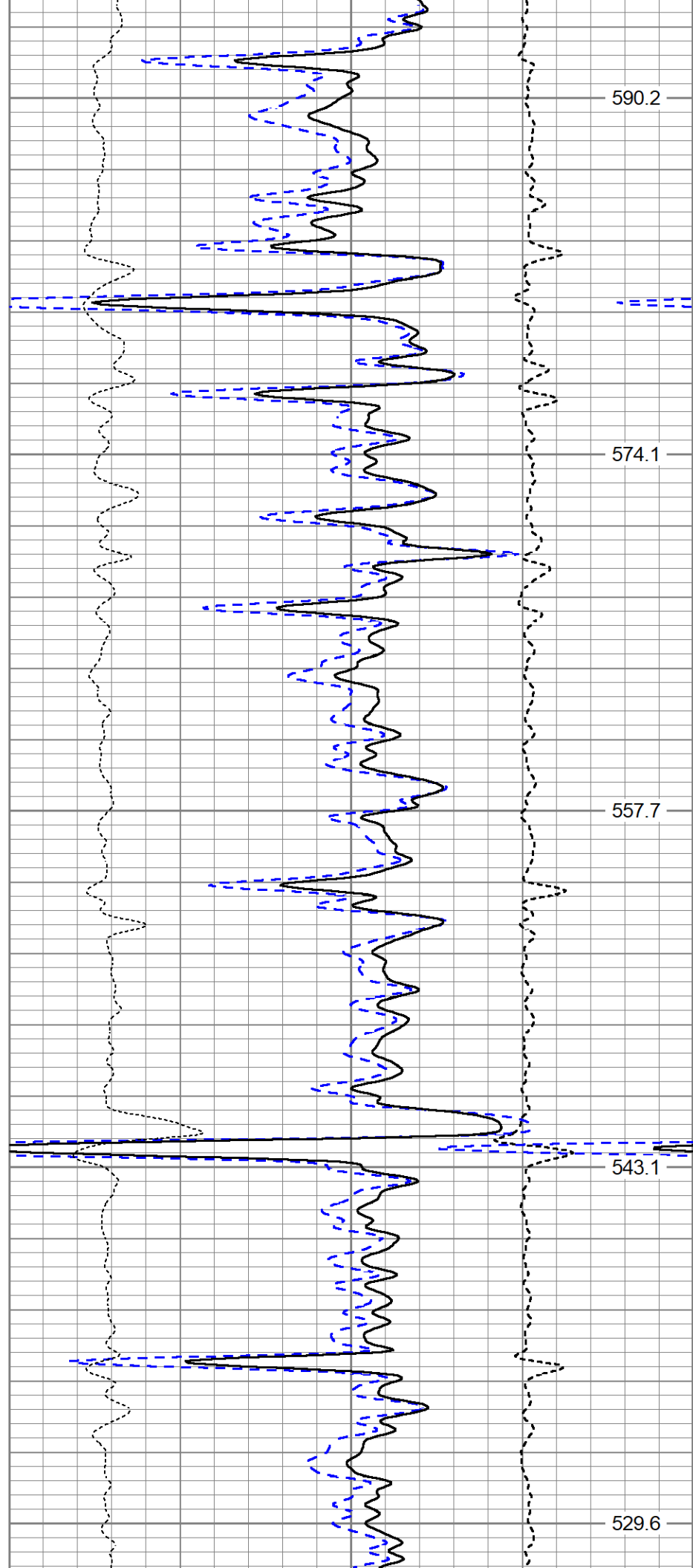
600

650

700

750

800



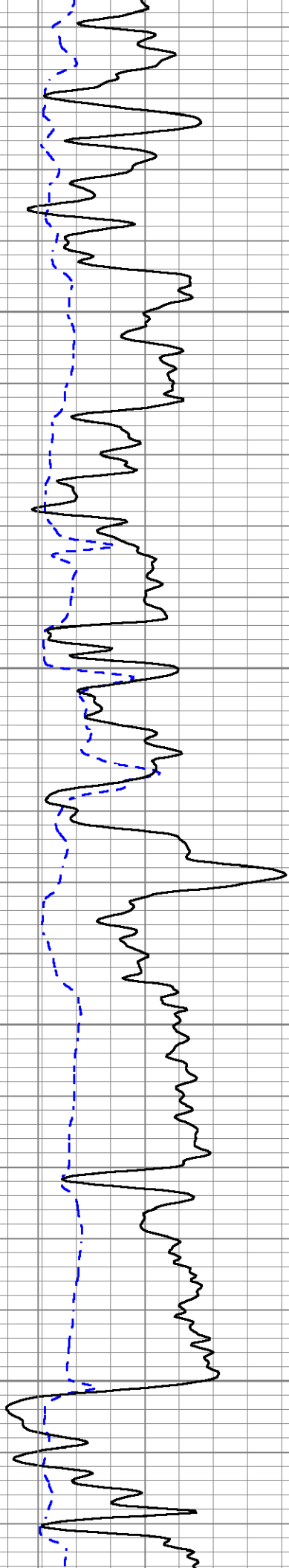
590.2

574.1

557.7

543.1

529.6

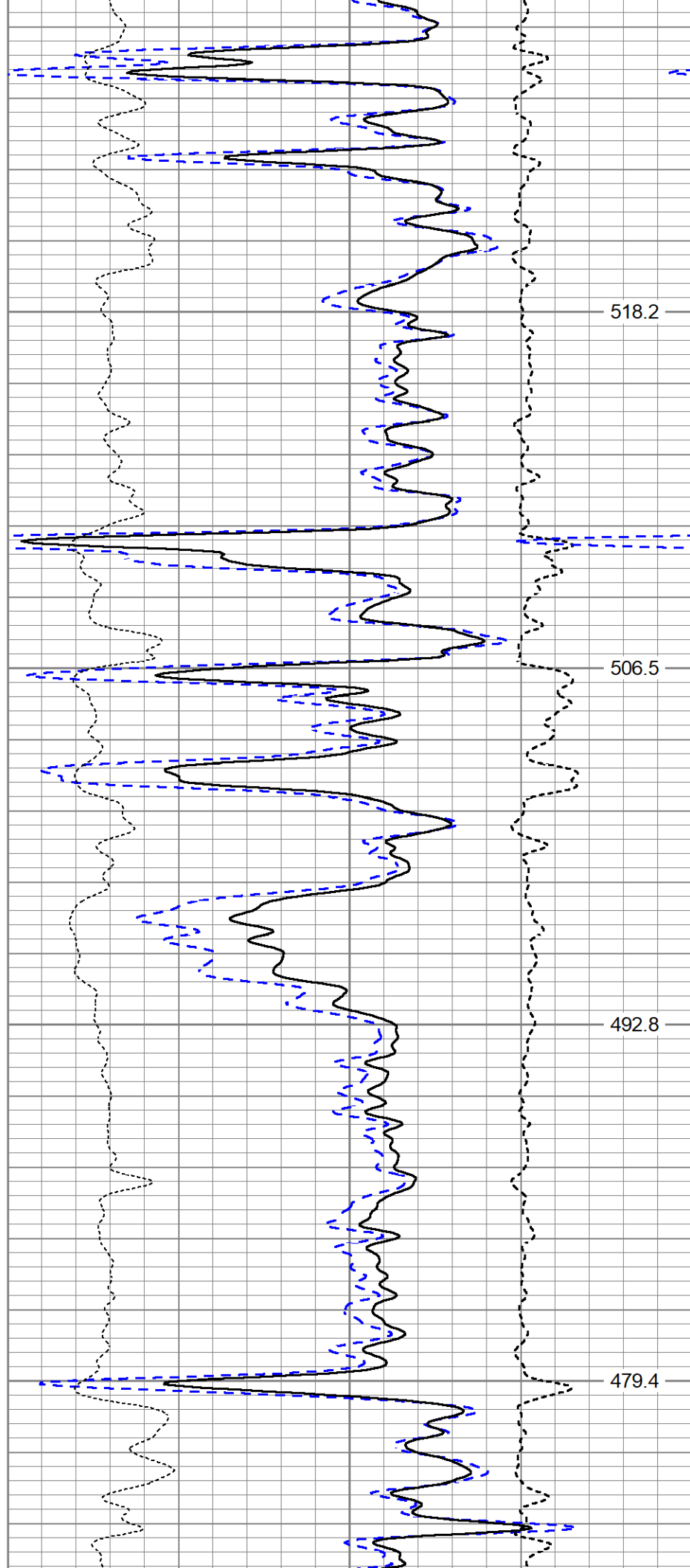


850

900

950

1000

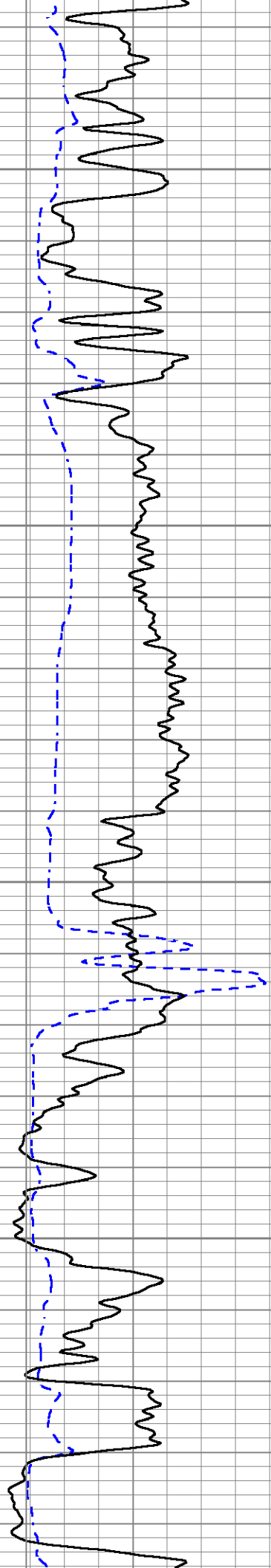


518.2

506.5

492.8

479.4

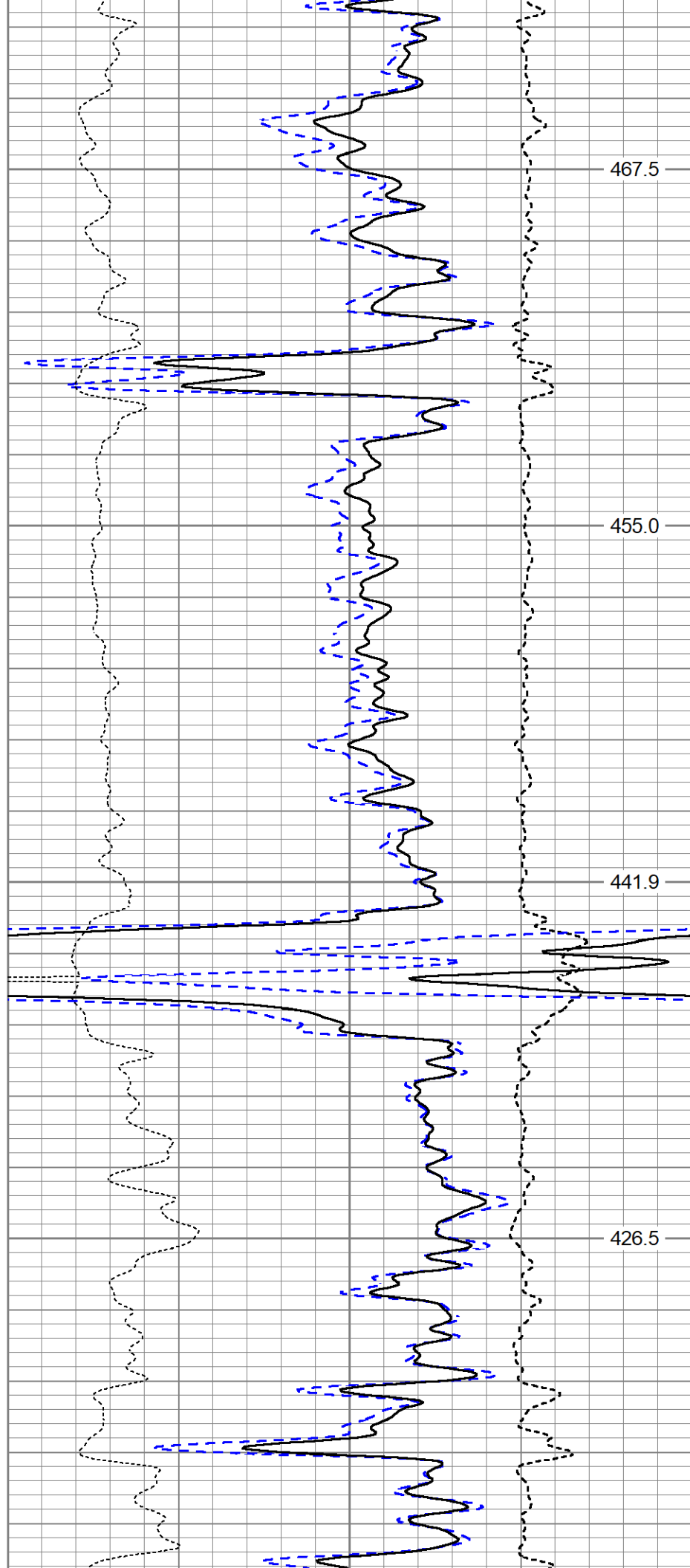


1050

1100

1150

1200

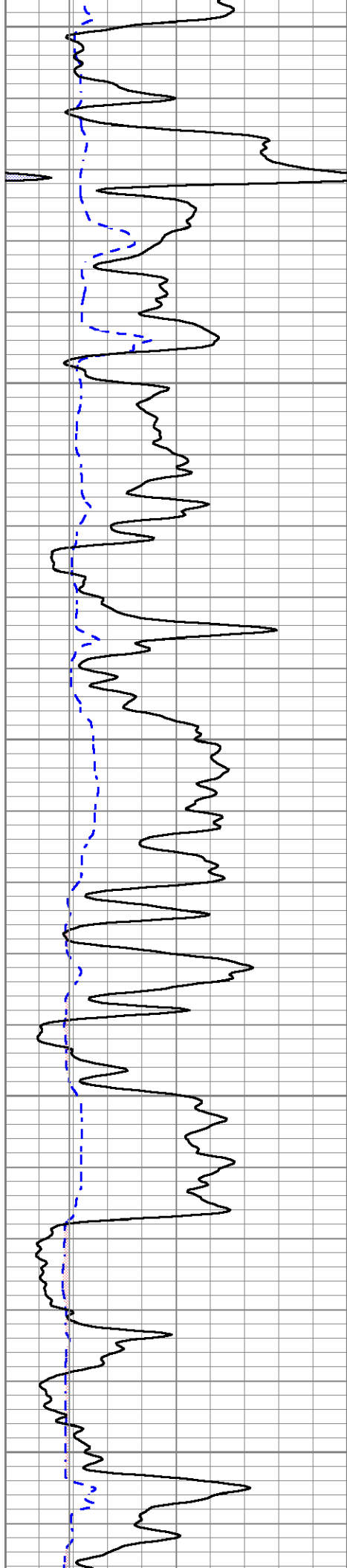


467.5

455.0

441.9

426.5



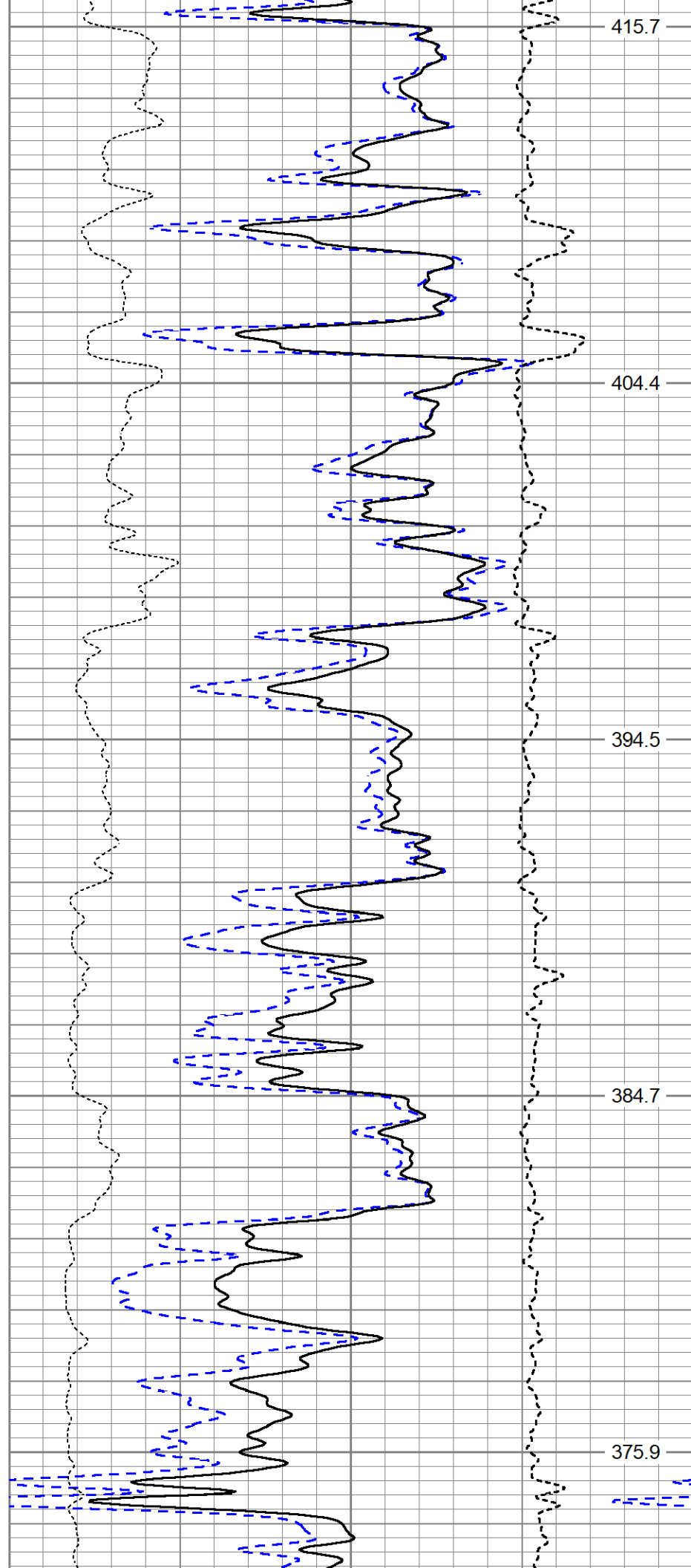
1250

1300

1350

1400

1450



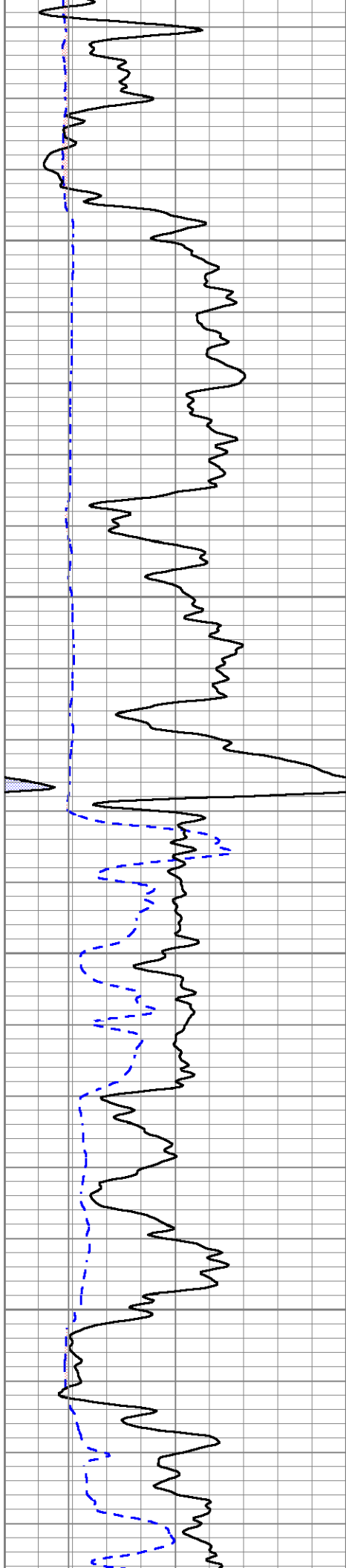
415.7

404.4

394.5

384.7

375.9

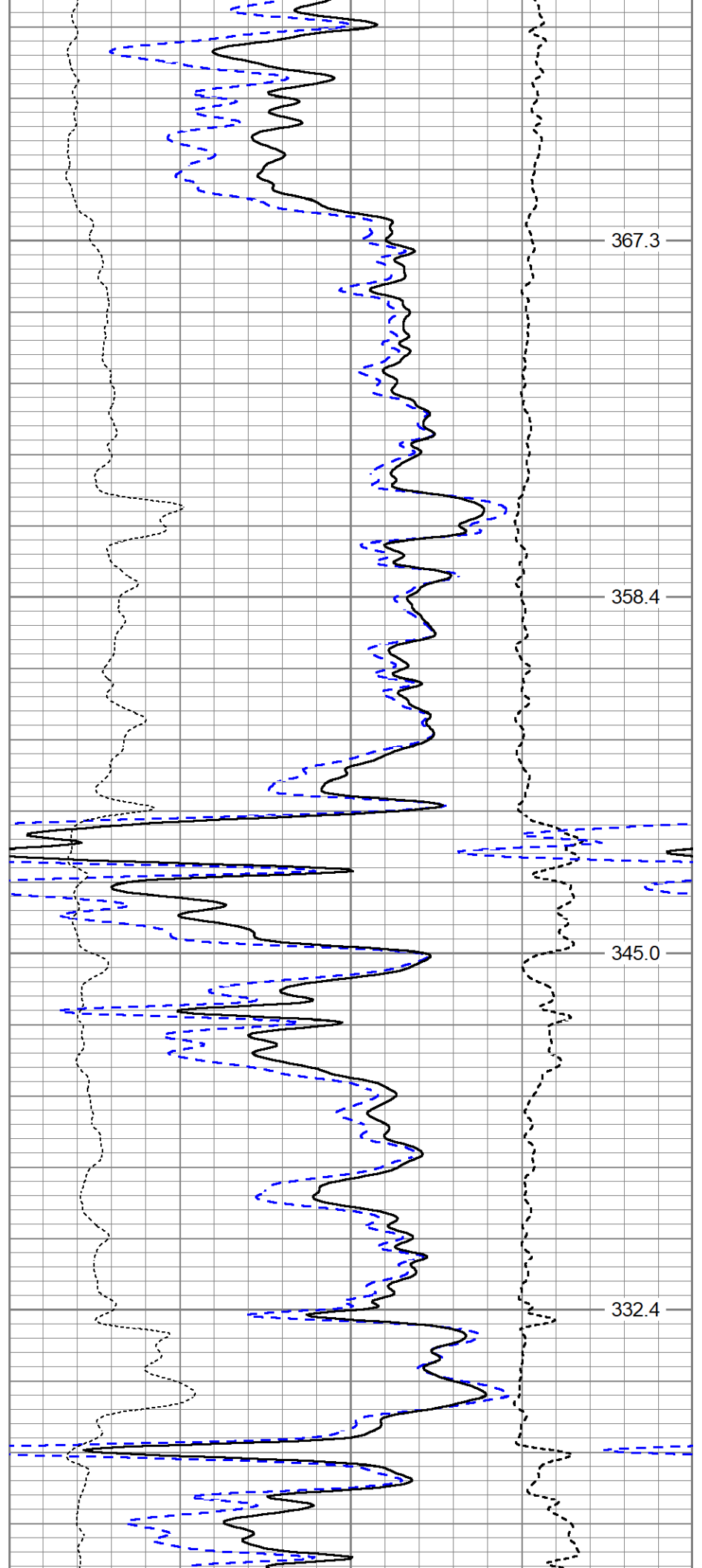


1500

1550

1600

1650

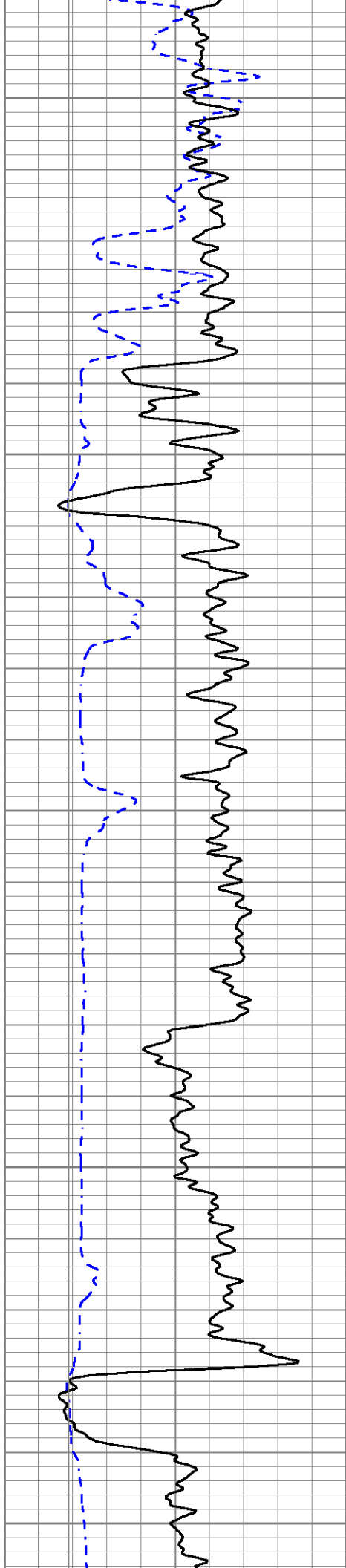


367.3

358.4

345.0

332.4



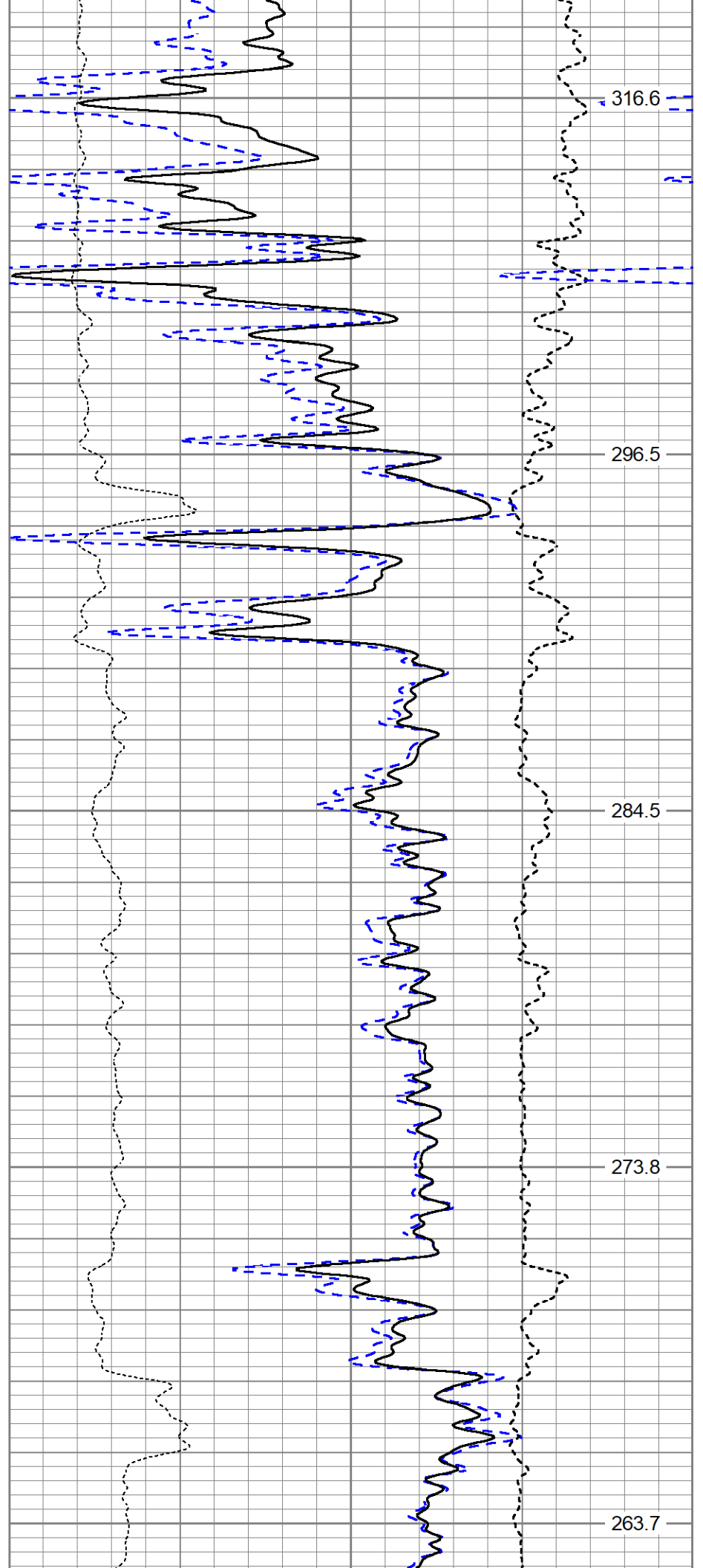
1700

1750

1800

1850

1900



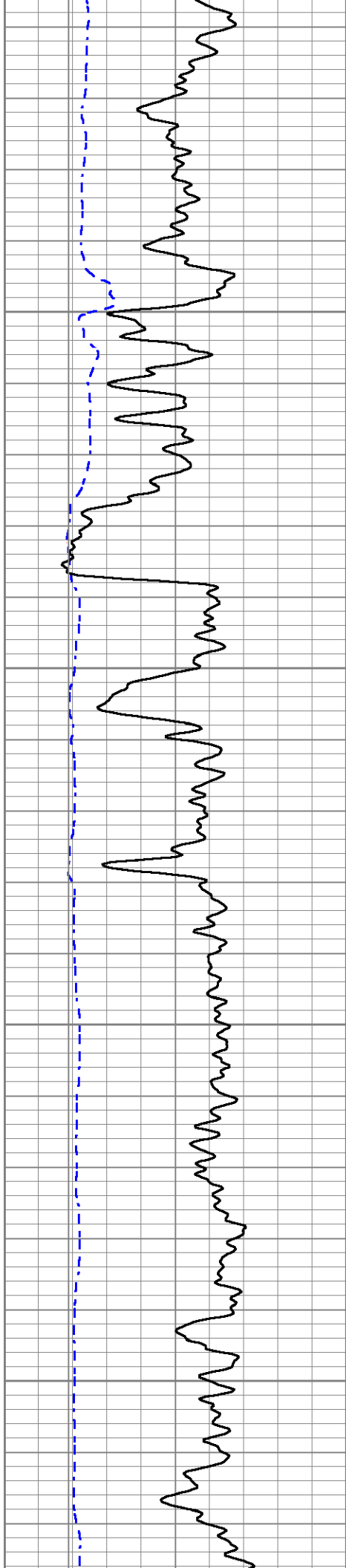
316.6

296.5

284.5

273.8

263.7

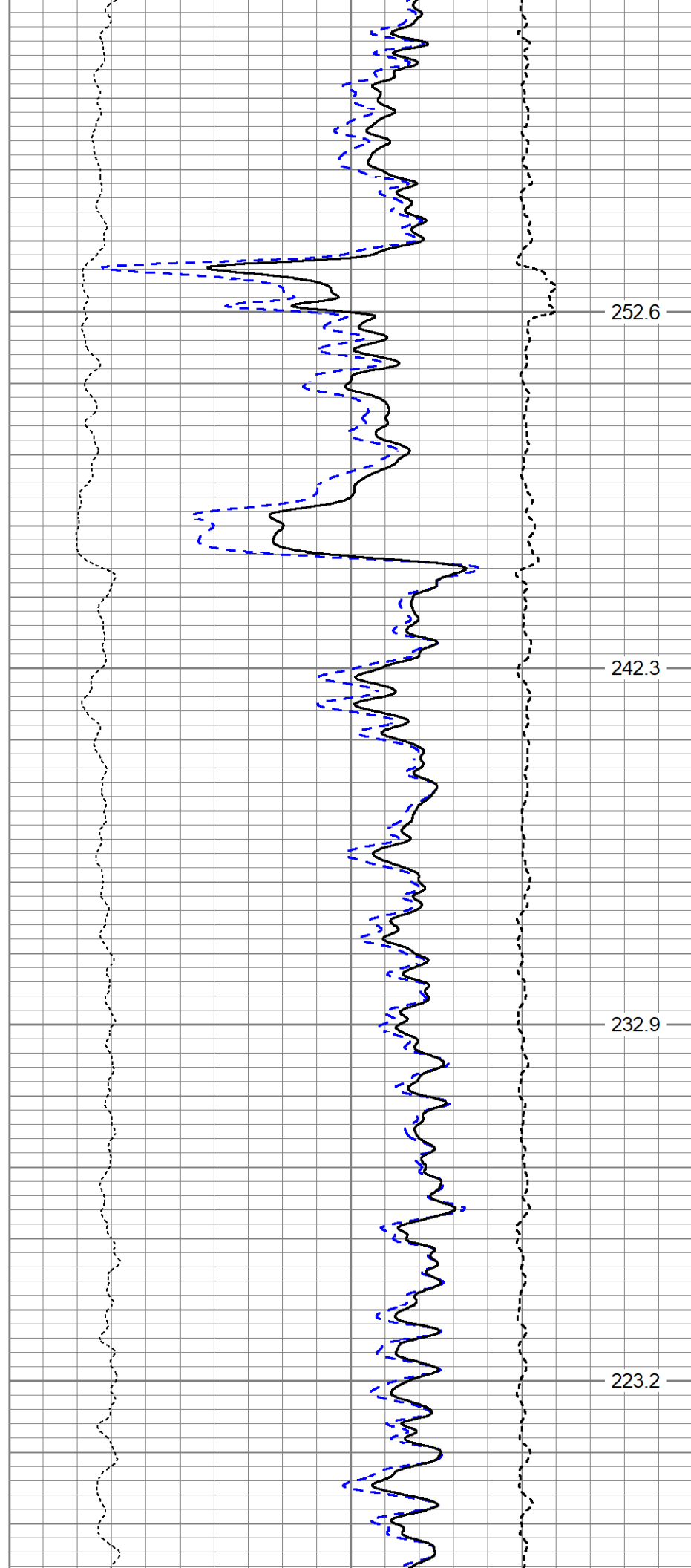


1950

2000

2050

2100

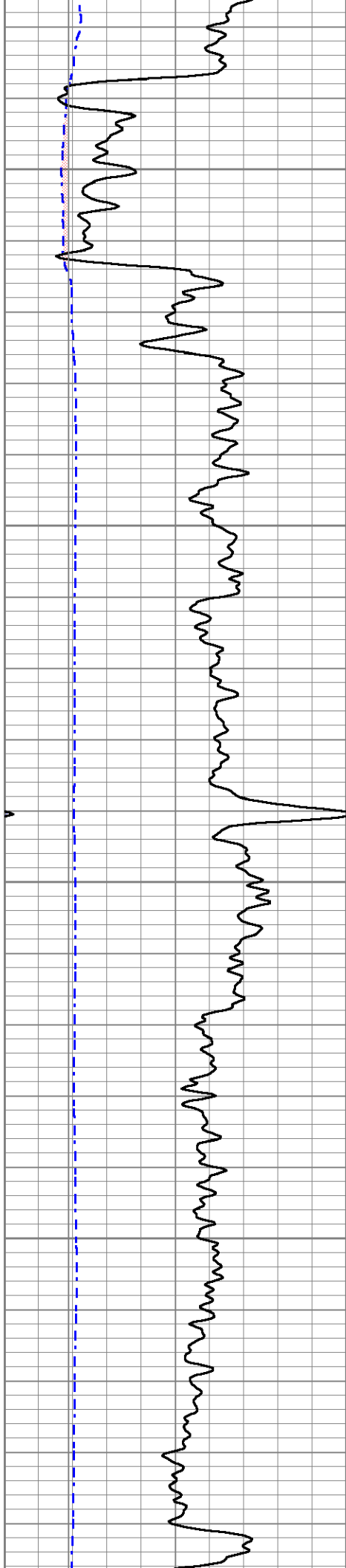


252.6

242.3

232.9

223.2

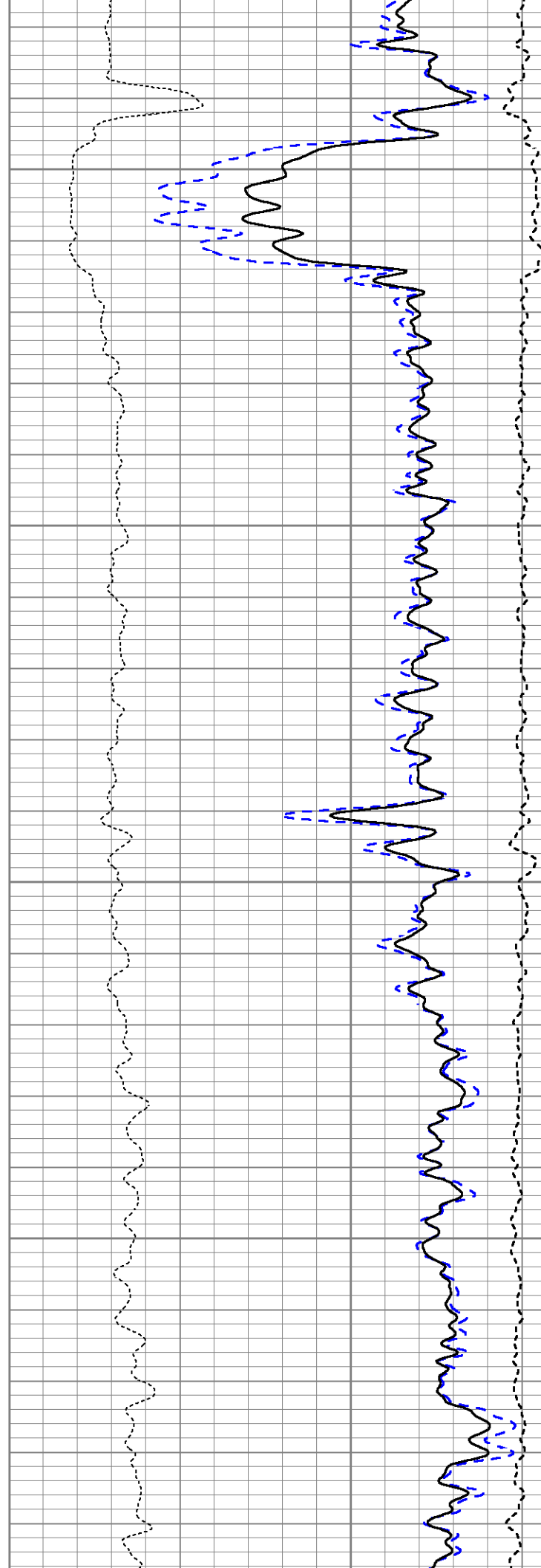


2150

2200

2250

2300

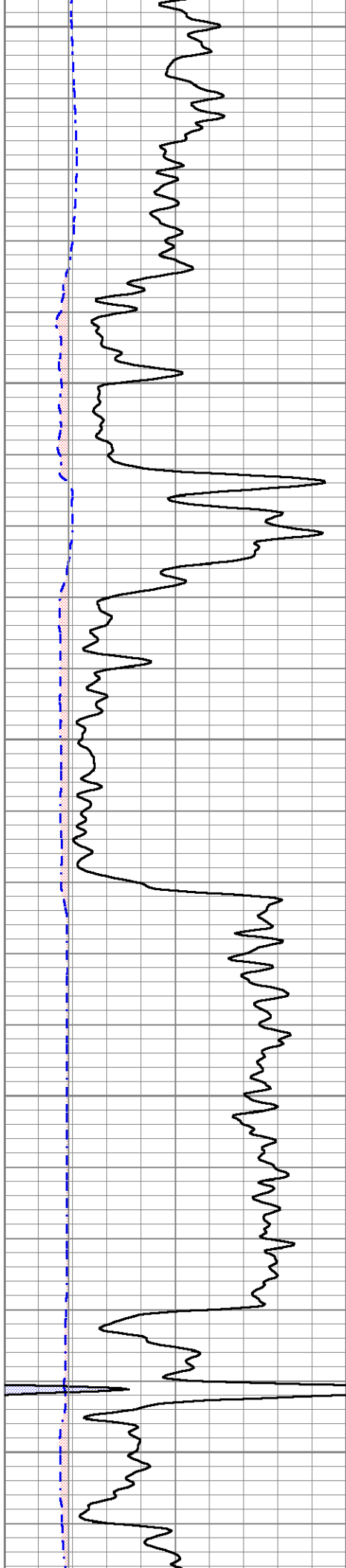


213.9

204.9

195.4

185.9



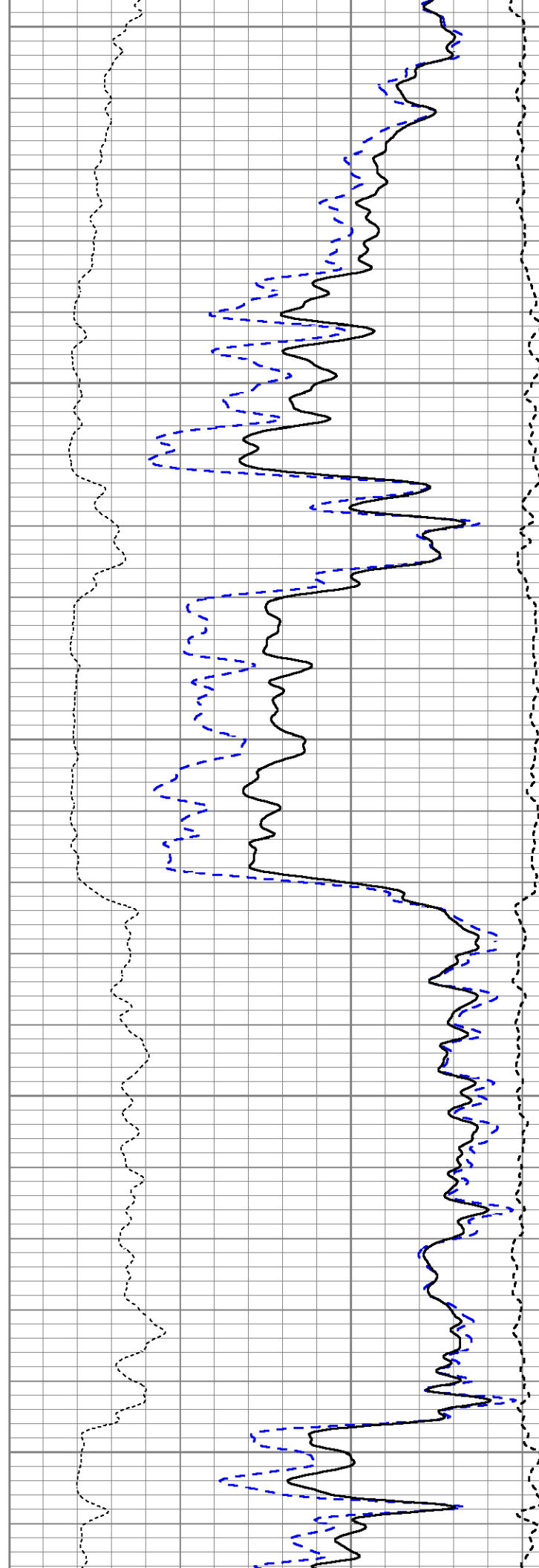
2350

2400

2450

2500

2550



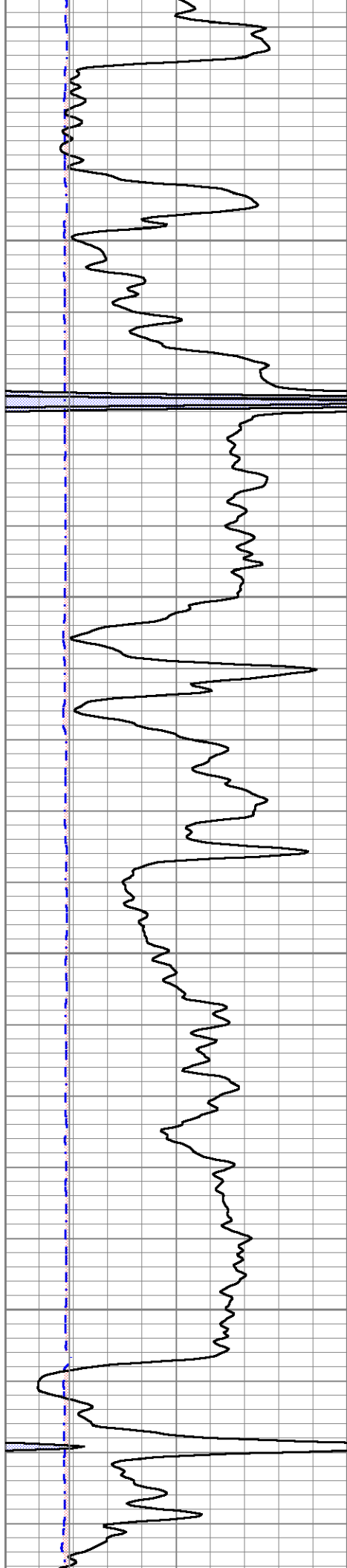
176.5

167.6

159.6

151.5

143.2

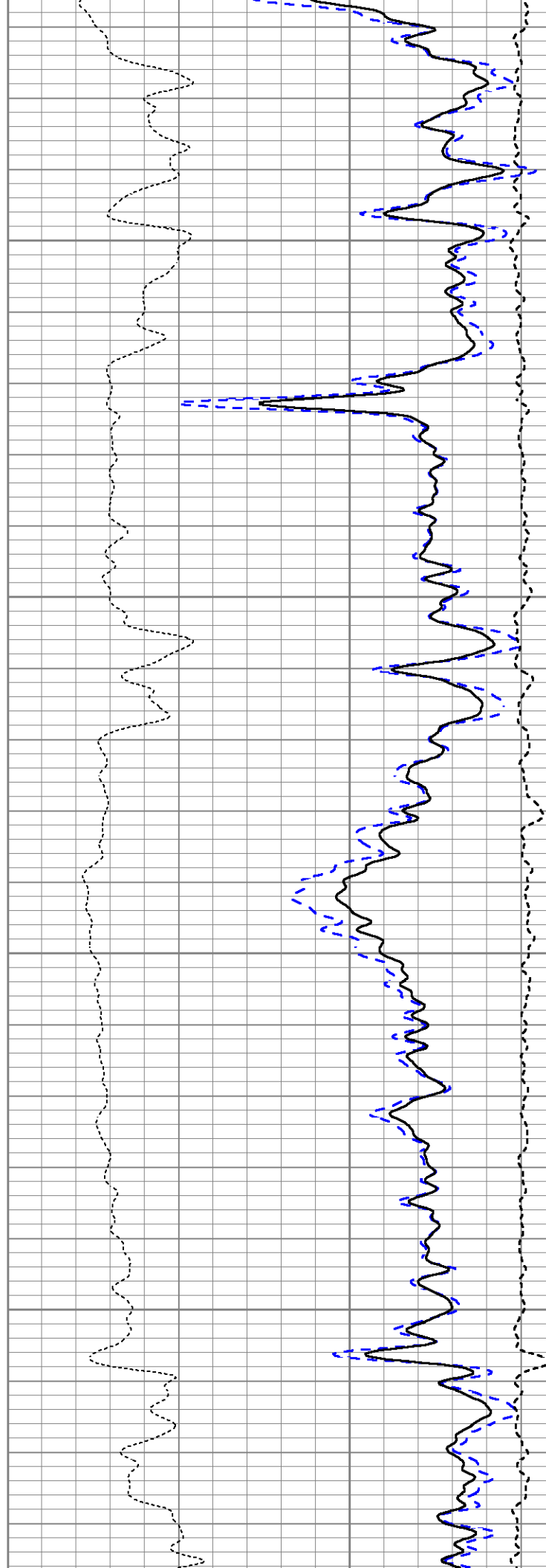


2600

2650

2700

2750

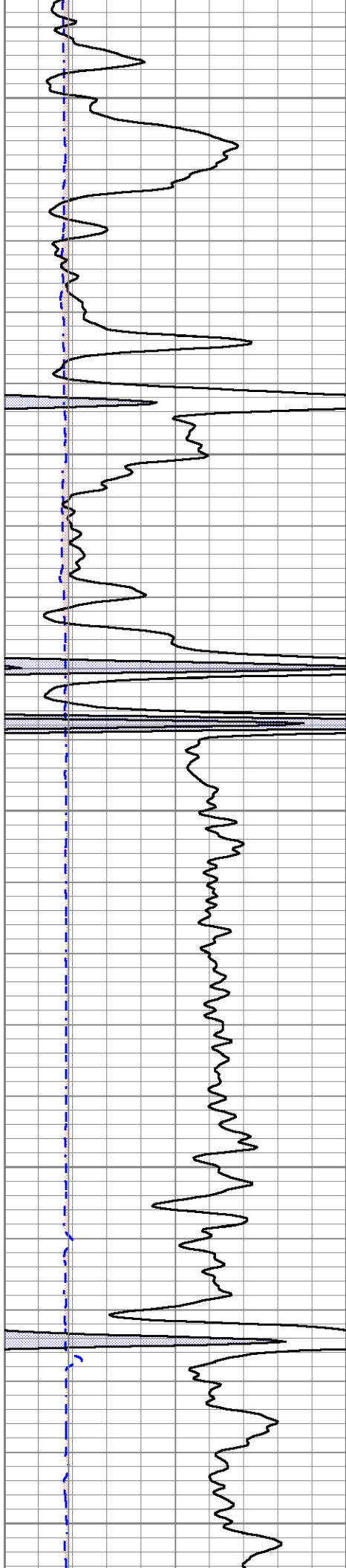


135.1

127.0

118.8

110.5



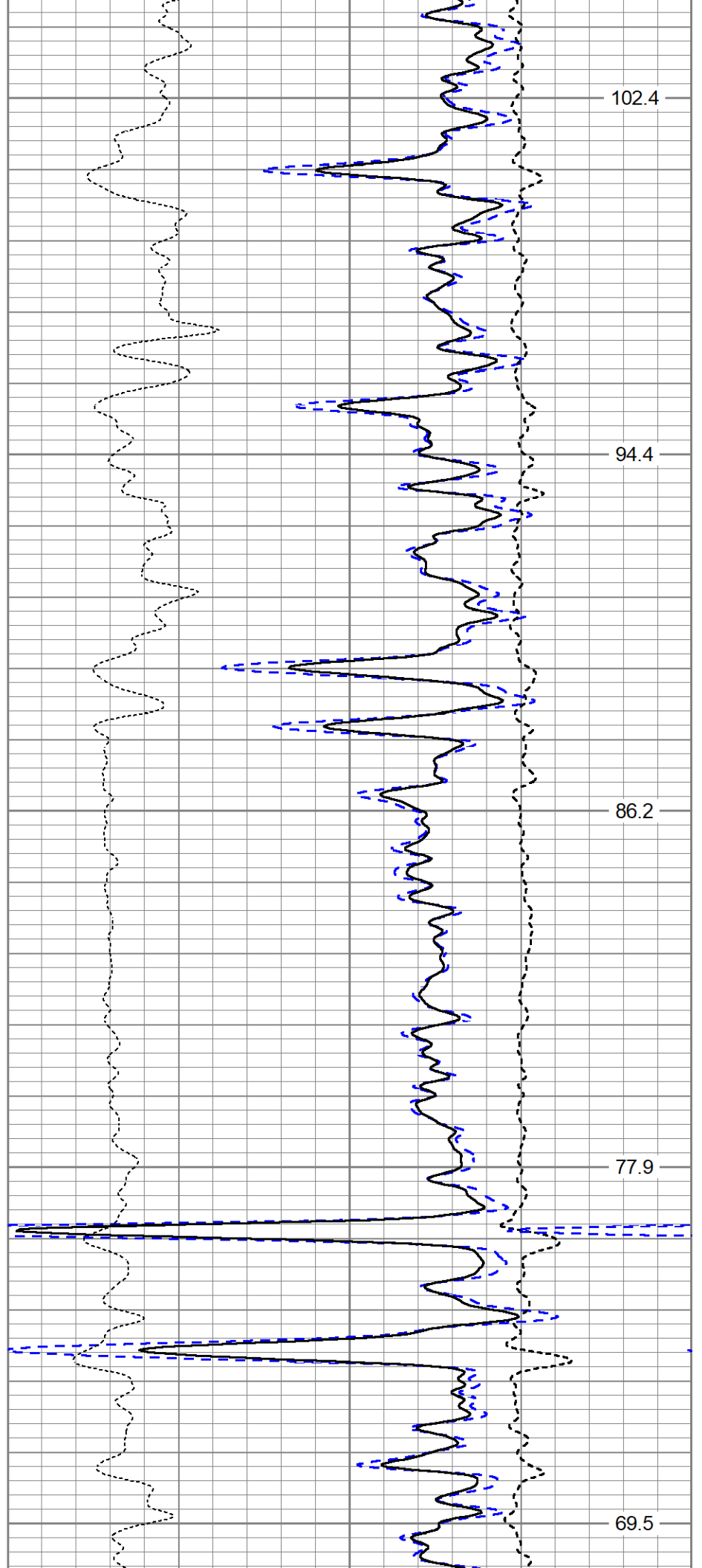
2800

2850

2900

2950

3000



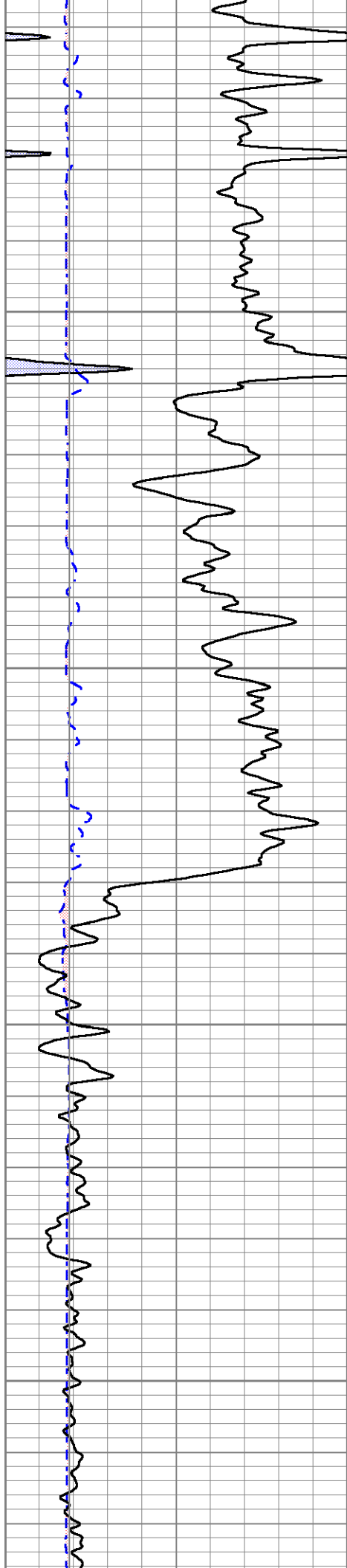
102.4

94.4

86.2

77.9

69.5

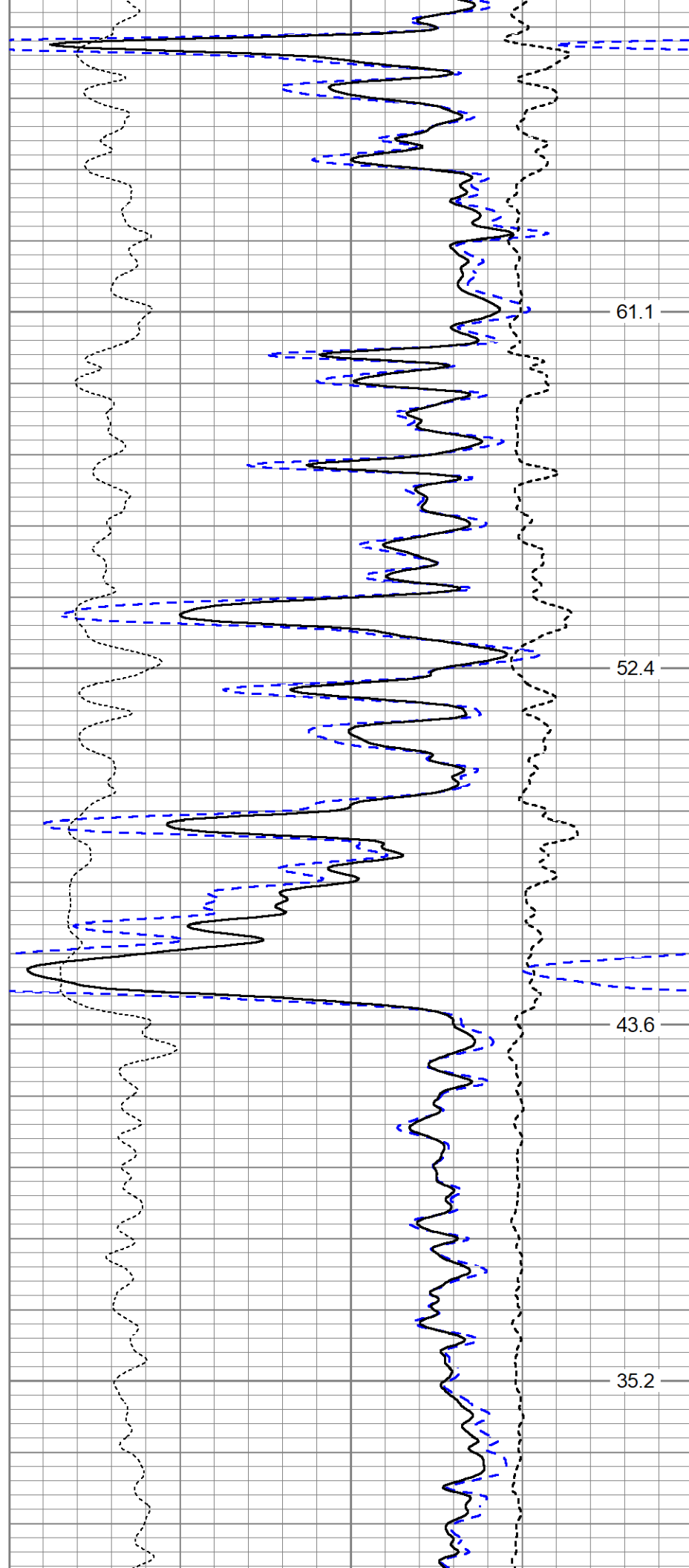


3050

3100

3150

3200

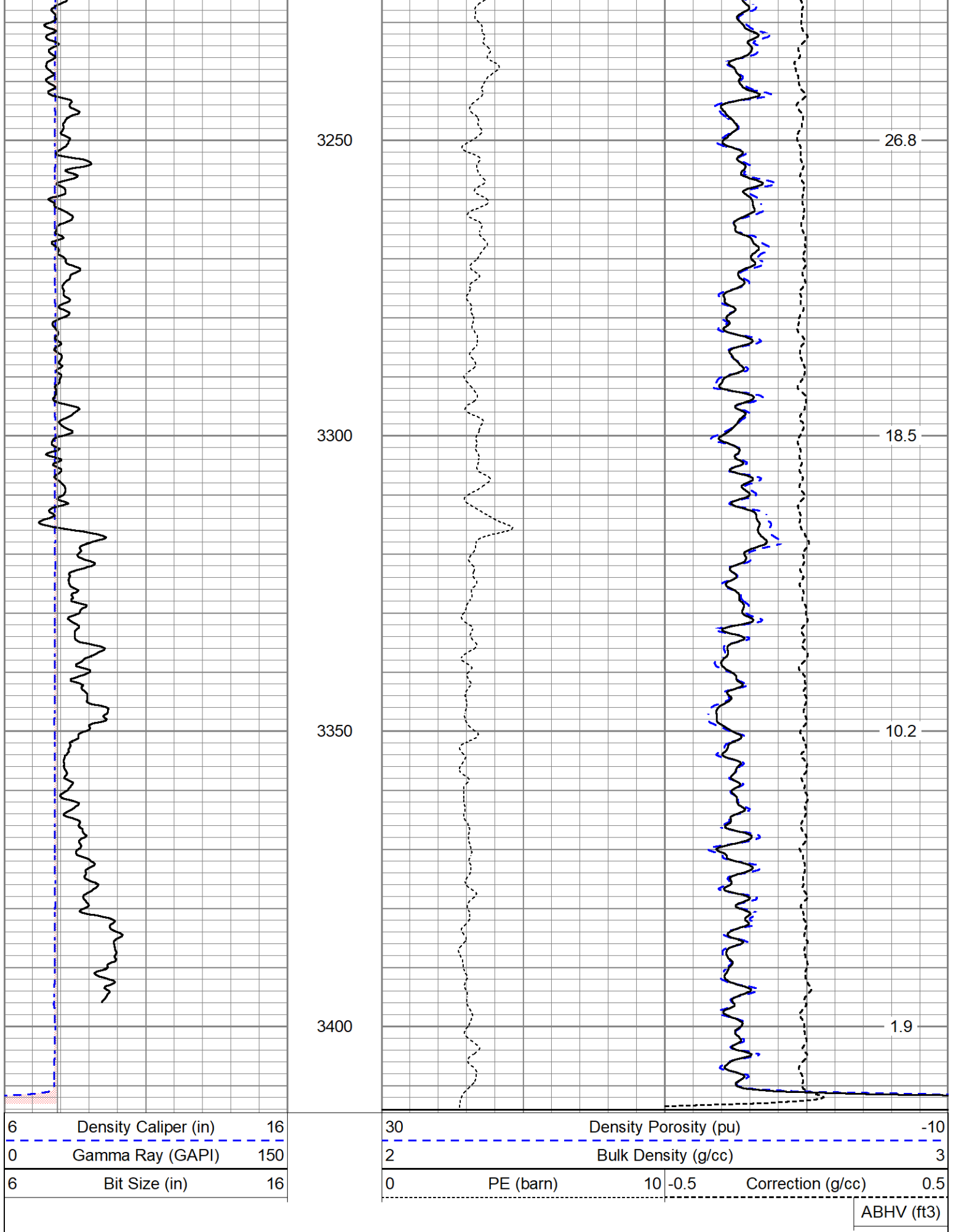


61.1

52.4

43.6

35.2



Database File ow2-9072 val energy.db  
Dataset Pathname pass3.6  
Dataset Creation Sun Jun 12 23:37:54 2022

### Admyr Lithodensity Calibration Report

Serial-Model: 1B-B  
Source: Blue2  
Master Calibration Performed: Fri May 6 15:29:32 2022

#### Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	6749.83	8432.13	cps
Aluminium	2.590	g/cc	1687.01	4349.47	cps
Aluminium+Sleeve	2.600	g/cc	1598.50	4085.28	cps

Spine Angle = 64.48

Density/Spine Ratio = 0.573

	PE		NLITH	NHARD	
Magnesium	1.658	barn	4902.16	4664.55	cps
Aluminium	2.228	barn	1117.51	1283.16	cps
Aluminium+Sleeve	3.107	barn	917.28	1248.07	cps

M = 0.888

B = -0.329

R = 1.000

	Size		Reading	
Small Ring	8.20	in	3.88	V
Large Ring	14.80	in	8.96	V

### Neutron Calibration Report

Serial Number: ADMYR1  
Tool Model: ADDON  
Performed: Tue May 31 06:47:17 2022

Calibrator Values: 0 30  
Calibrator Readings: 830 280 cps

Sensitivity: -0.0545455 /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

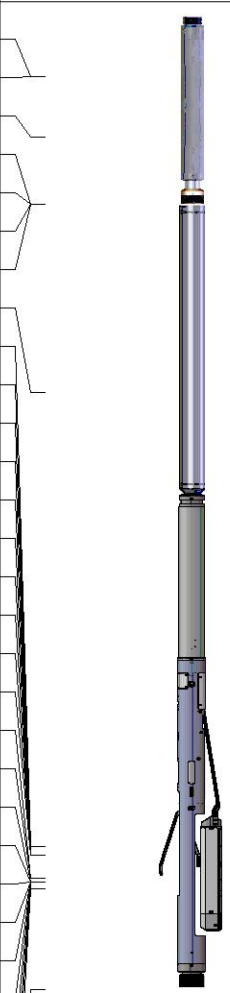
Serial Number: Refurb01  
Tool Model: OSAGE\_01  
Performed: Mon Jan 18 09:02:16 2021

Calibrator Value: 150.0 GAPI

Background Reading:  
 Calibrator Reading:  
 Sensitivity:

125.0  
 875.0  
 0.2000

cps  
 cps  
 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	15.33	15.33
PSTAT	15.33					
ASTAT	15.33		NEU	11.66	2.79	2.63
DCAL	2.79					
LS_HV	2.63		NEU-ADDON (ADMYR1) Inline Neutron	5.65	3.38	84.00
LS8	2.63					
LS7	2.63		ADT1LITH-B (1B)	9.69	4.25	238.00
LS6	2.63					
LS5	2.63		LSTAT	2.17	2.17	2.08
NHARD	2.63					
LSD	2.63		SS8	2.08	2.08	2.08
LS2	2.63					
NLITH	2.63		SS7	2.08	2.08	2.08
LSTAT	2.17					
LSV	2.17		SS6	2.08	2.08	2.08
SS_HV	2.08					
SS8	2.08		SS5	2.08	2.08	2.08
SS7	2.08					
SS6	2.08	SS4	2.08	2.08	2.08	
SS5	2.08					
SS4	2.08	SSD	2.08	2.08	2.08	
SSD	2.08					
SS2	2.08	Dataset: ow2-9072 val energy.db: field/well/run1/pass3.6				
SS1	2.08	Total length: 19.02 ft				
SSV	1.96	Total weight: 375.00 lb				
TR_Mon	0.00	O.D.: 4.25 in				