



SONIC LOG

Company MULL DRILLING CO.  
Well BOUZIDEN #1-10  
Field WILDCAT  
County CLARK  
State KANSAS

Company MULL DRILLING CO.  
Well BOUZIDEN #1-10  
Field WILDCAT  
County CLARK  
State KANSAS

Location: API # : 15-025-21596-00-00  
595' FNL & 2350' FEL  
SEC 10 TWP 32S RGE 23W  
Permanent Datum GROUND LEVEL Elevation 2216'  
Log Measured From KELLY BUSHING 11' A.G.L.  
Drilling Measured From KELLY BUSHING  
Elevation  
K.B. 2227'  
D.F. 2225'  
G.L. 2216'

Date	09/17/17
Run Number	TWO
Depth Driller	5415
Depth Logger	5417
Bottom Logged Interval	5408
Top Log Interval	00
Casing Driller	8 5/8" @ 810
Casing Logger	610
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.1172
pH / Fluid Loss	9.5/13.2
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.50@64
Rmt @ Meas. Temp	.38@64
Rmc @ Meas. Temp	.60@64
Source of Rmf / Rmc	MEASURED
Rm @ BHT	24@129
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	///
Maximum Recorded Temperature	129F
Equipment Number	4010
Location	HAYS, KANSAS
Recorded By	GUS PFANENSTIEL
Witnessed By	RUSTY MOURNING

<<< 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

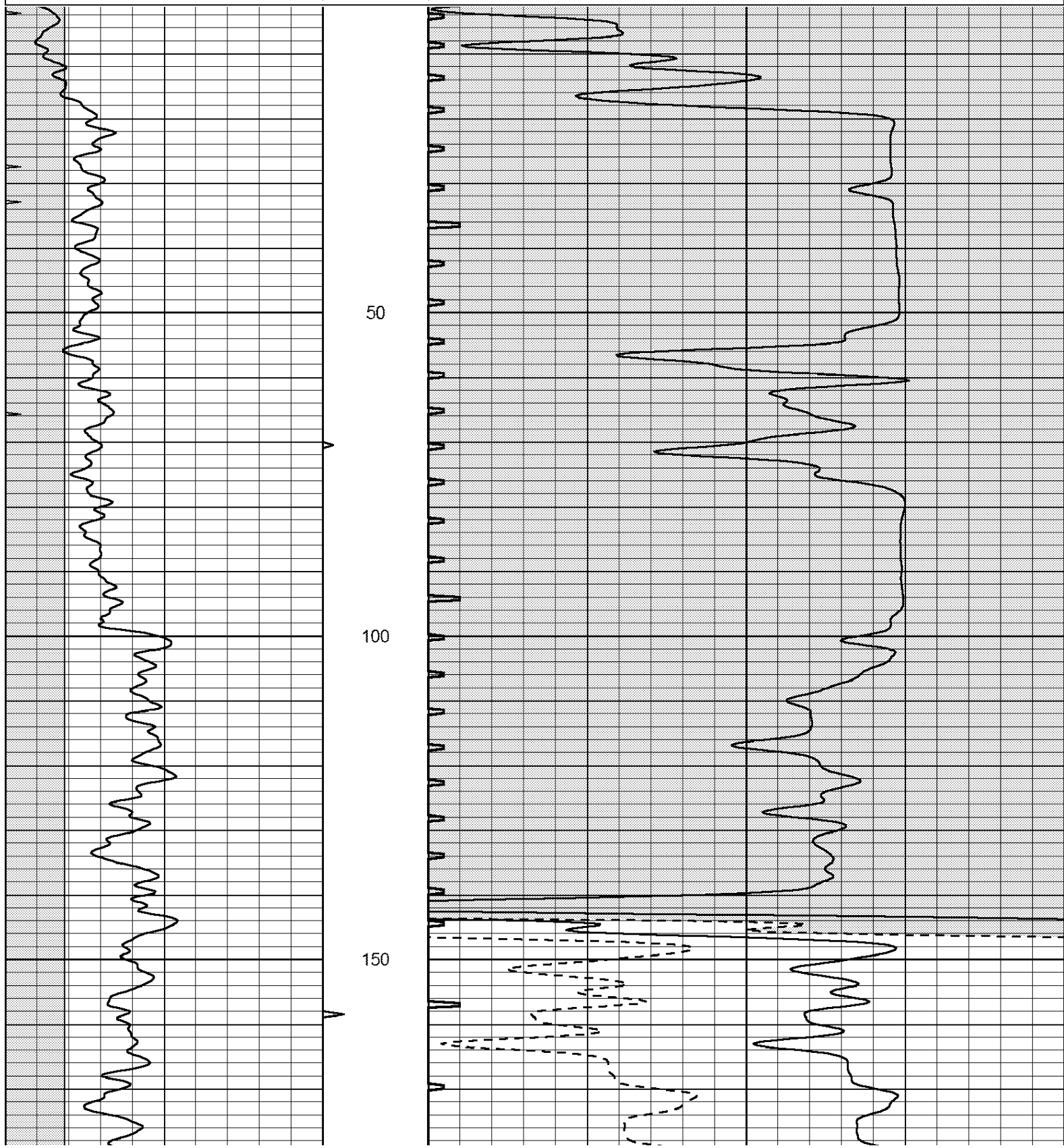
THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395  
DIRECTIONS  
ASHLAND WEST 1 MILE,  
6 NORTH, WEST INTO.

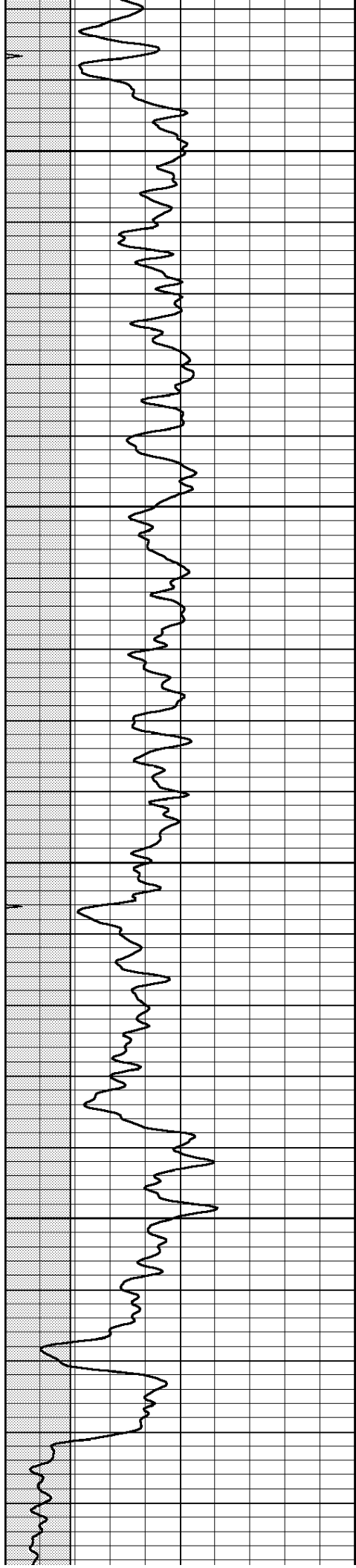


MAIN PASS

Database File: 1822pe.db  
 Dataset Pathname: pass5.1  
 Presentation Format: \_slt  
 Dataset Creation: Sun Sep 17 13:32:06 2017 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40	
6	CALIPER (in)	16	10 (ft3)	0	30	SONIC POROSITY (pu)	-10
0	MINMK	20	TBHV	0	ITT (msec)	20	
			0 (ft3)	10			



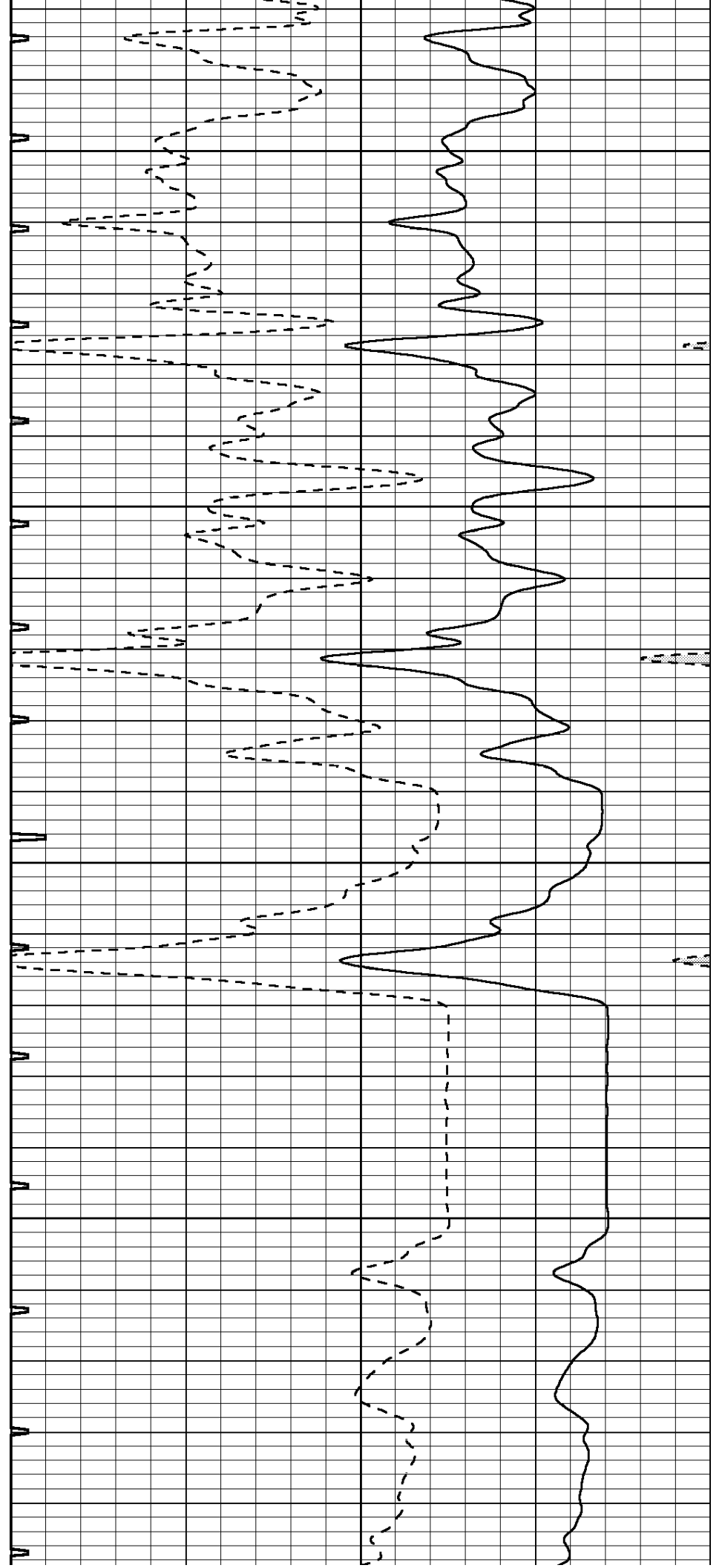


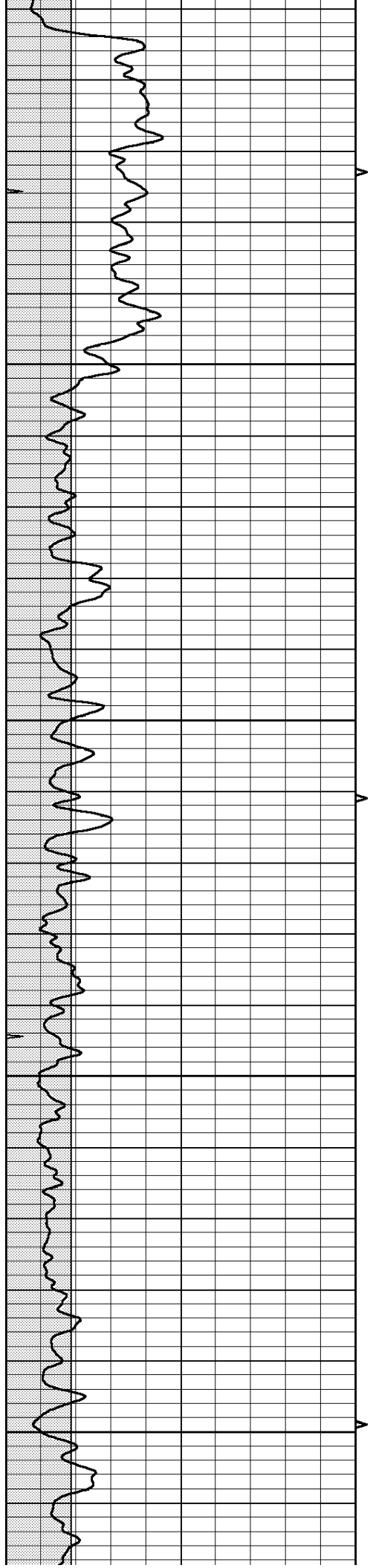
200

250

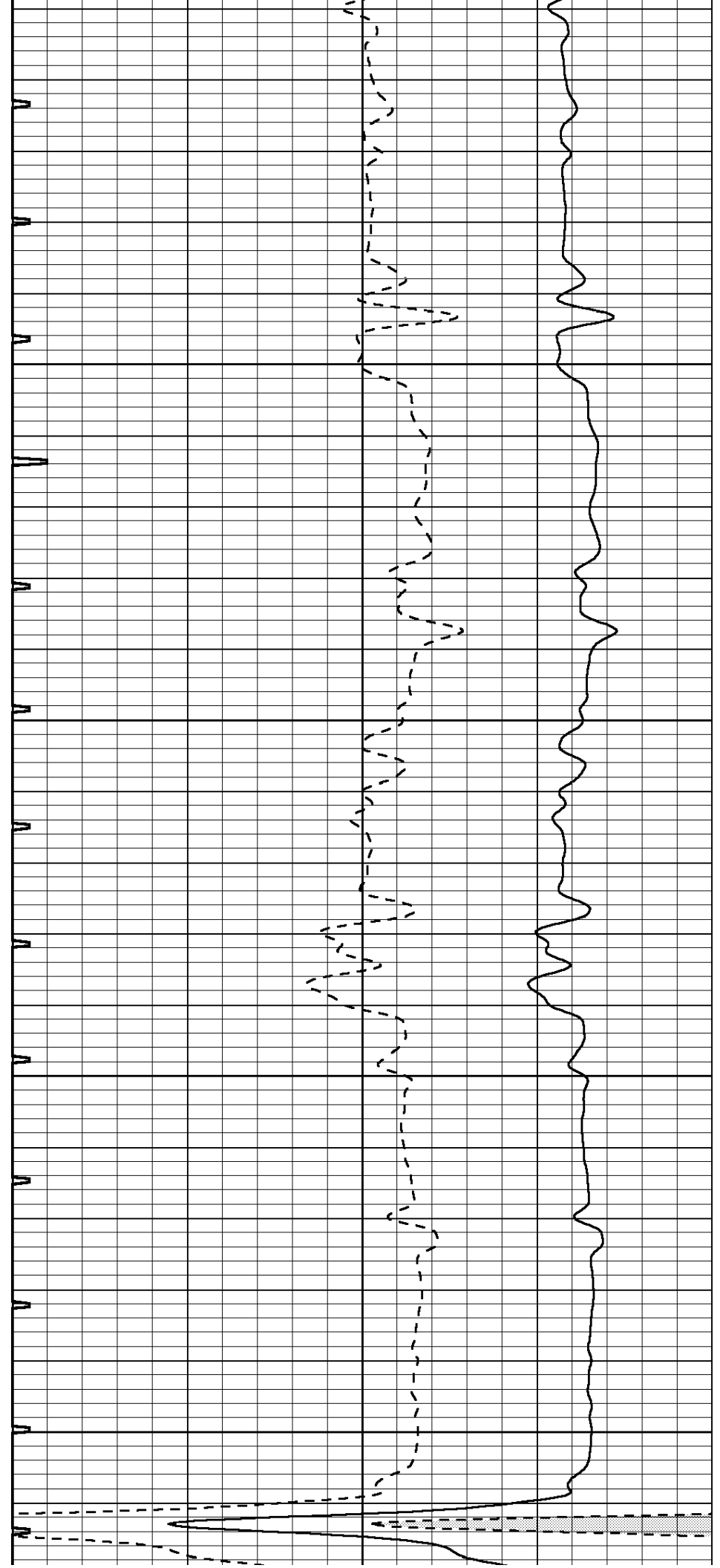
300

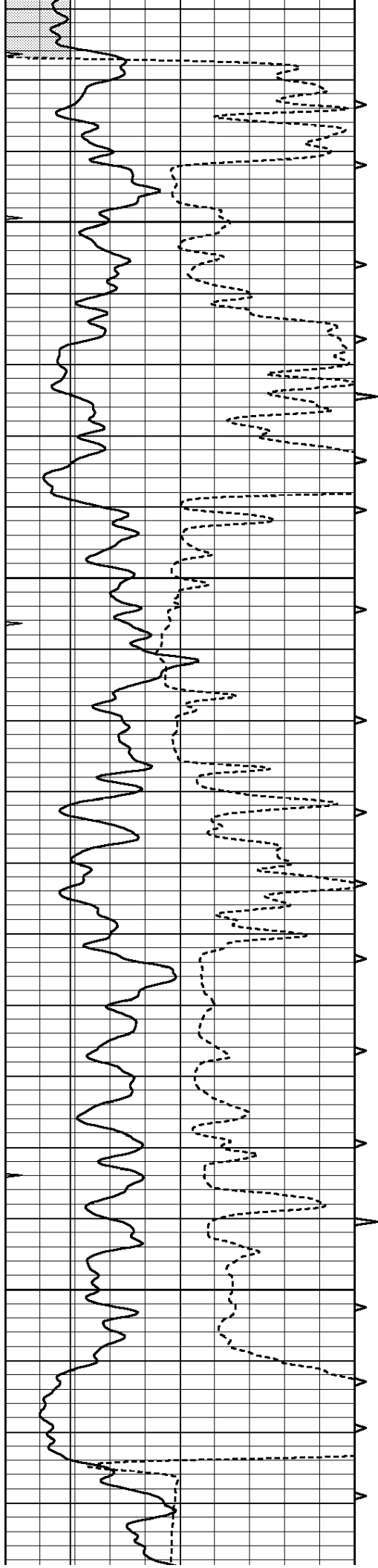
350





400  
450  
500  
550  
600



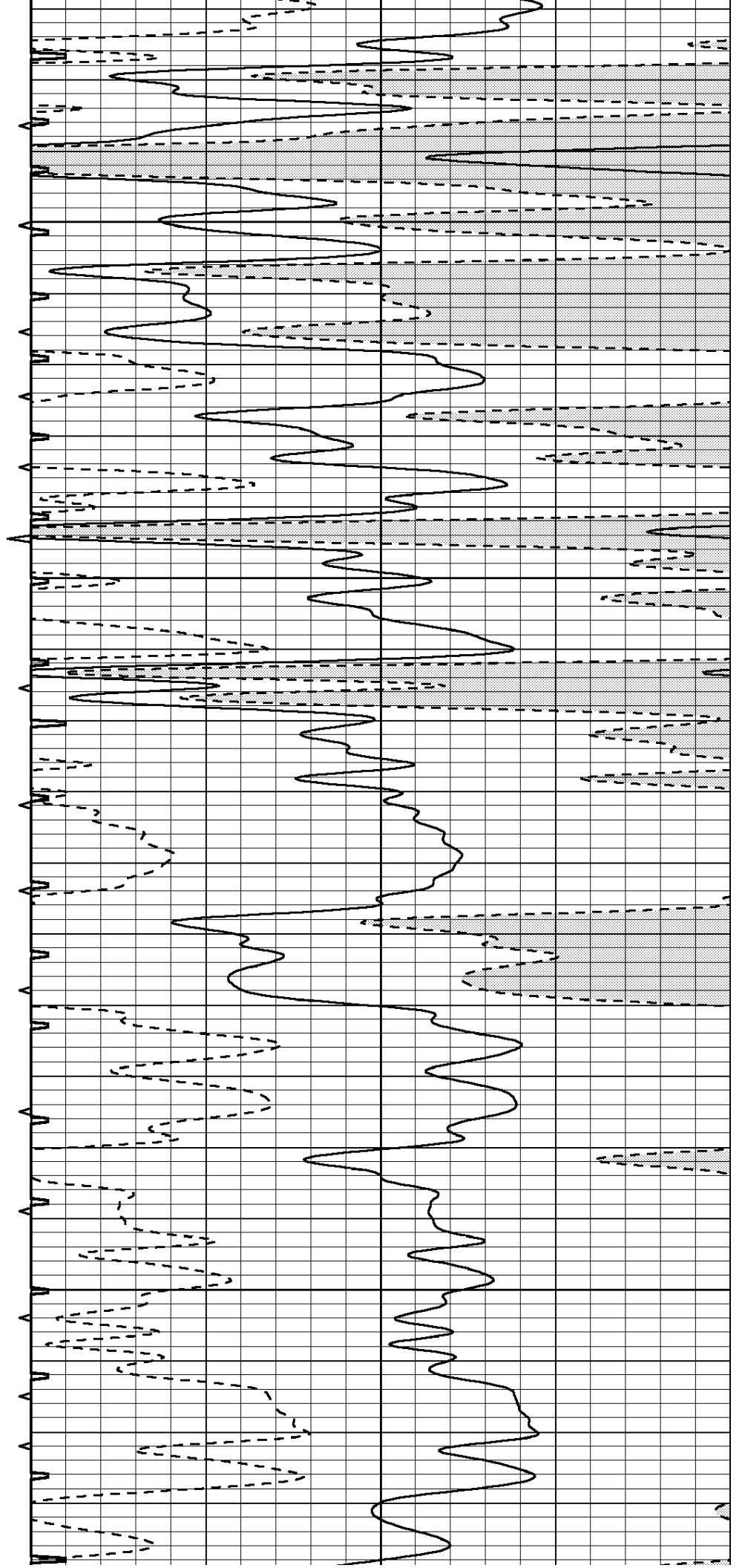


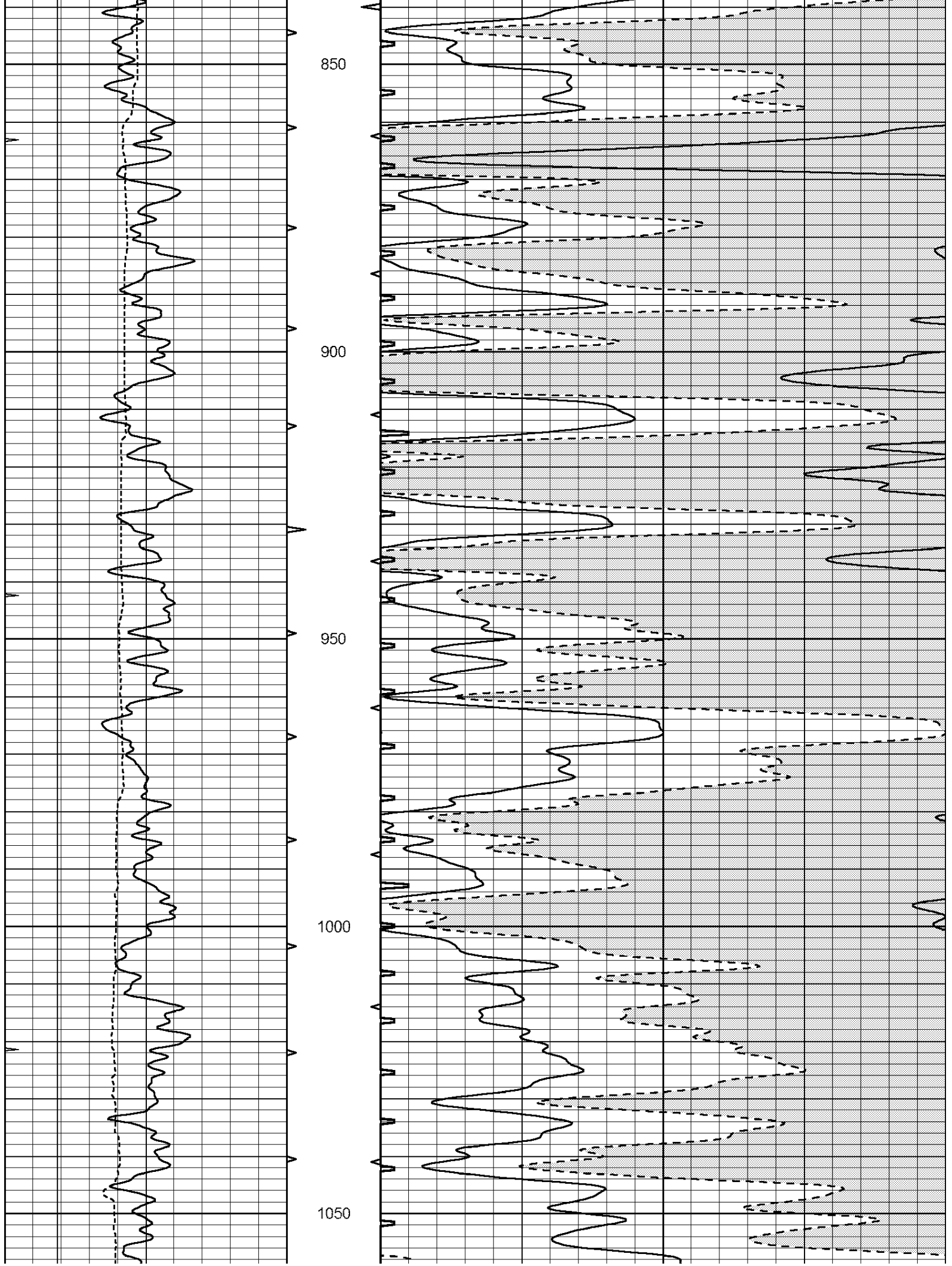
650

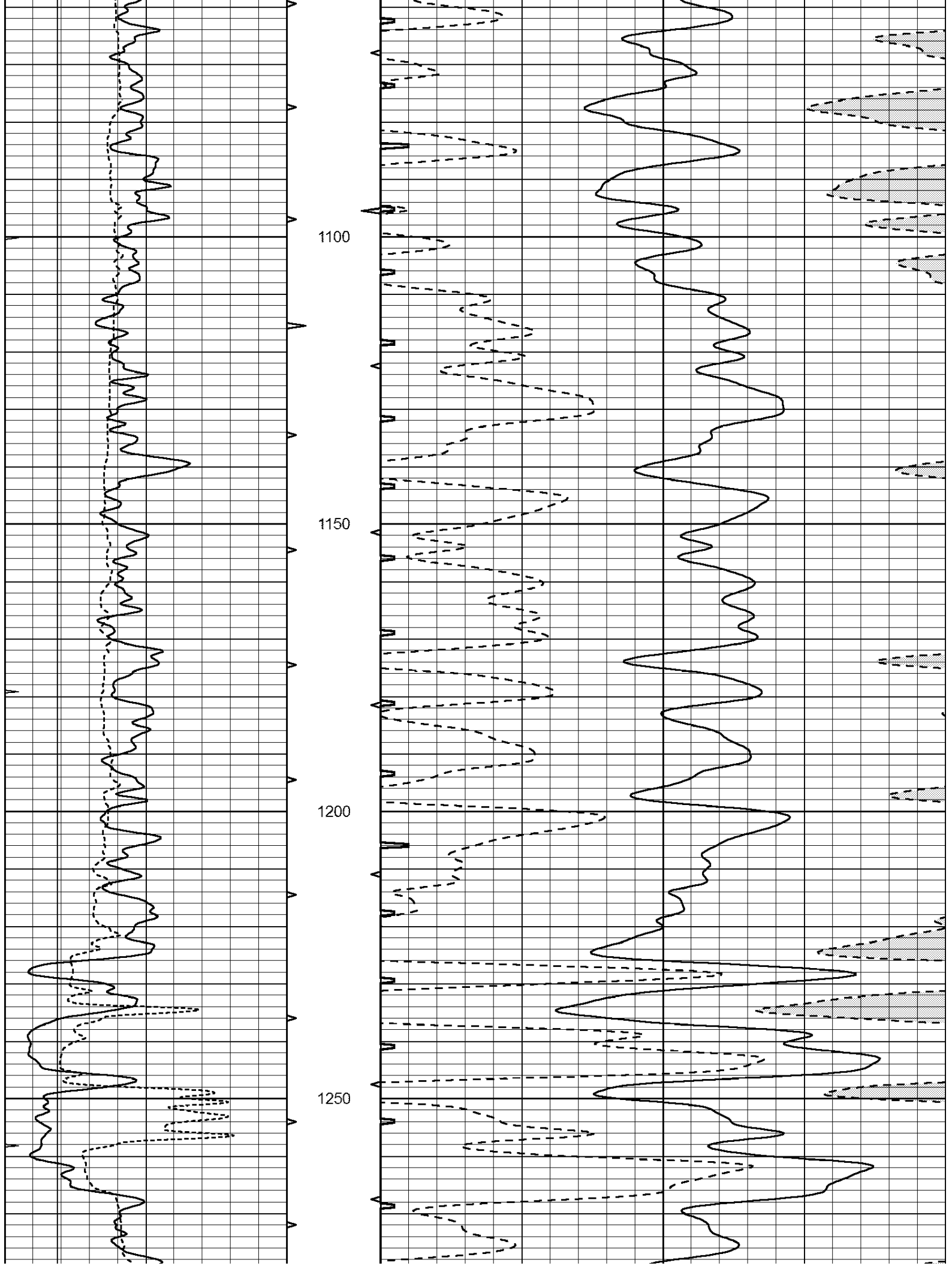
700

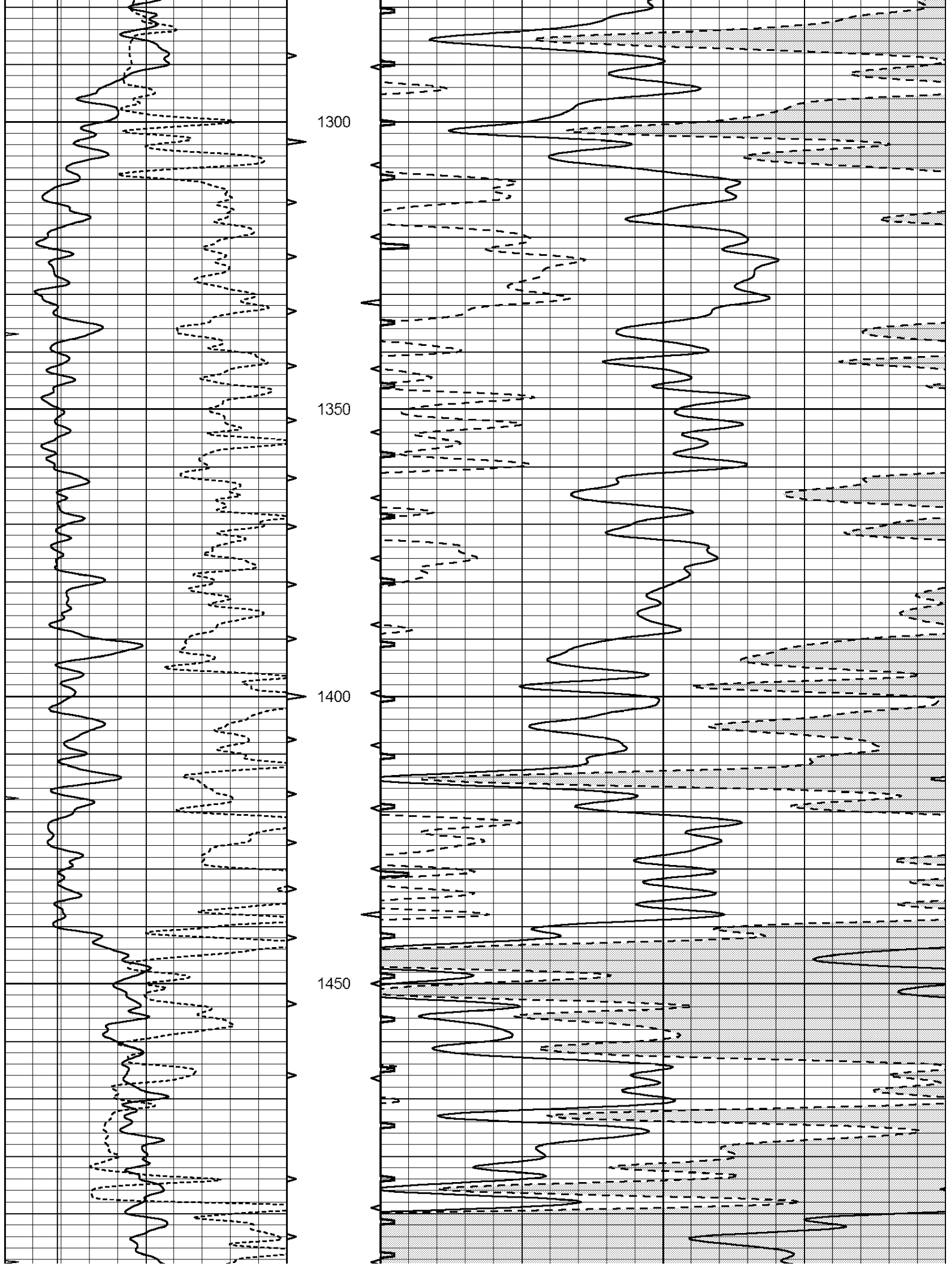
750

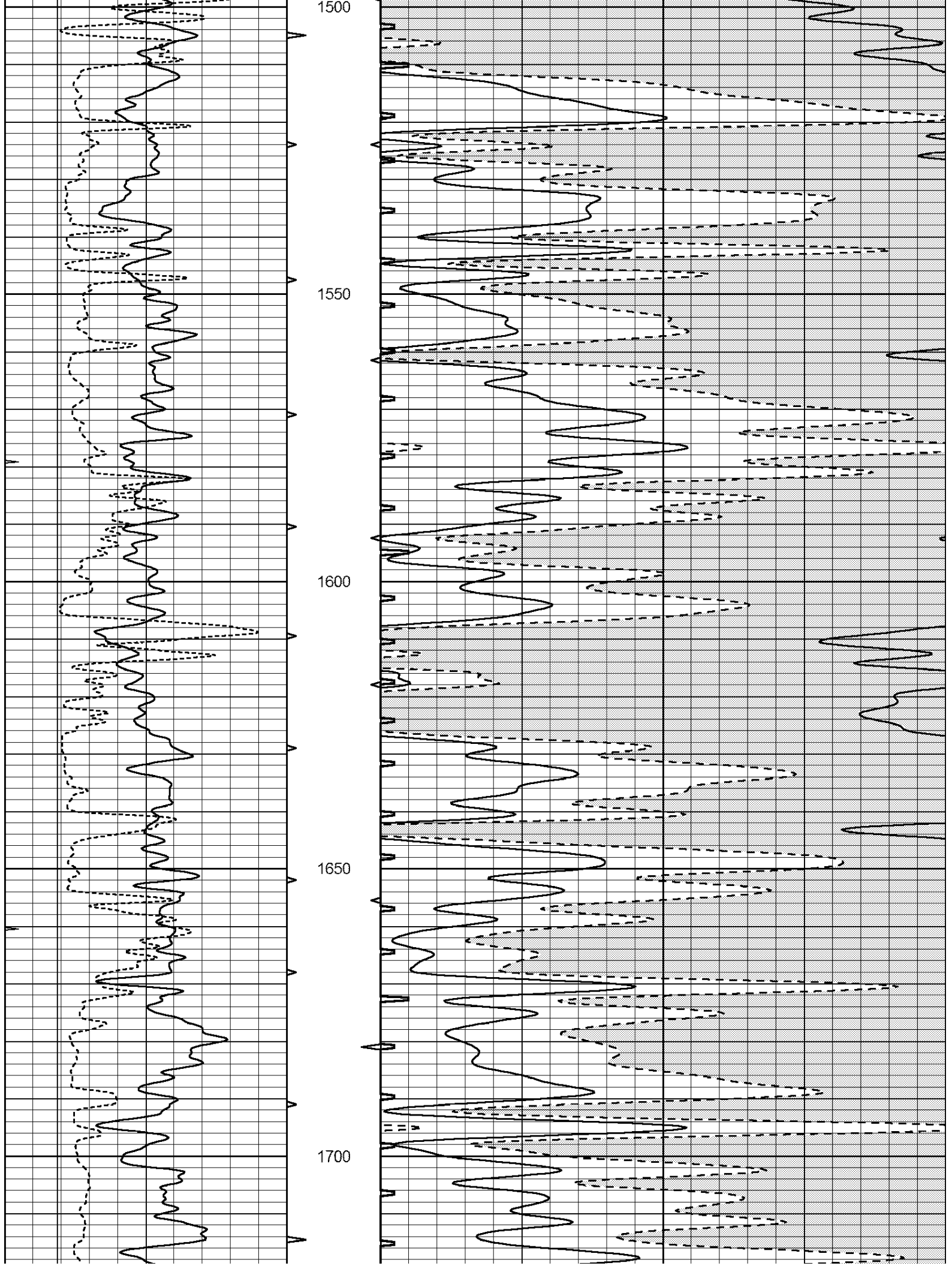
800

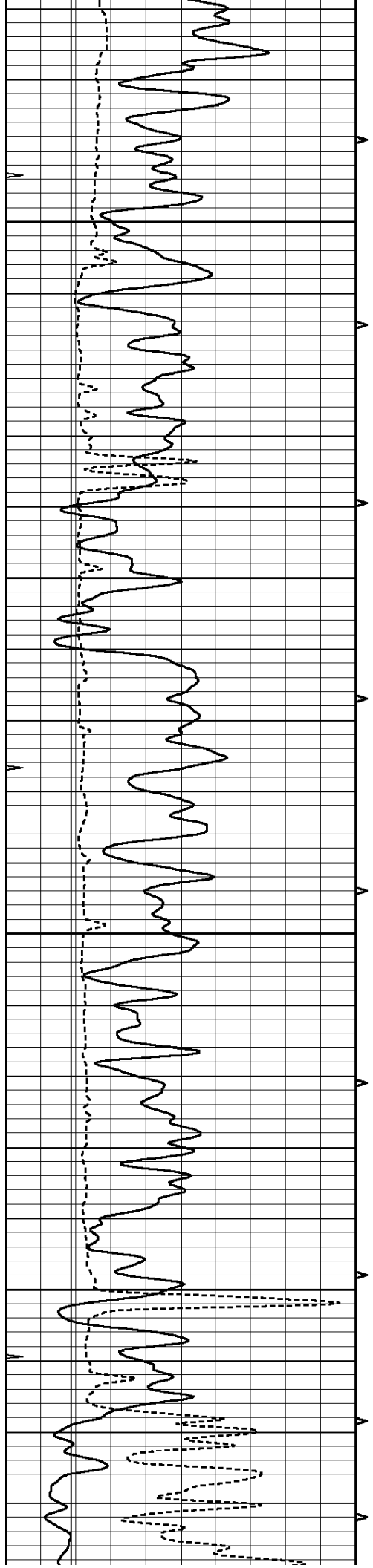










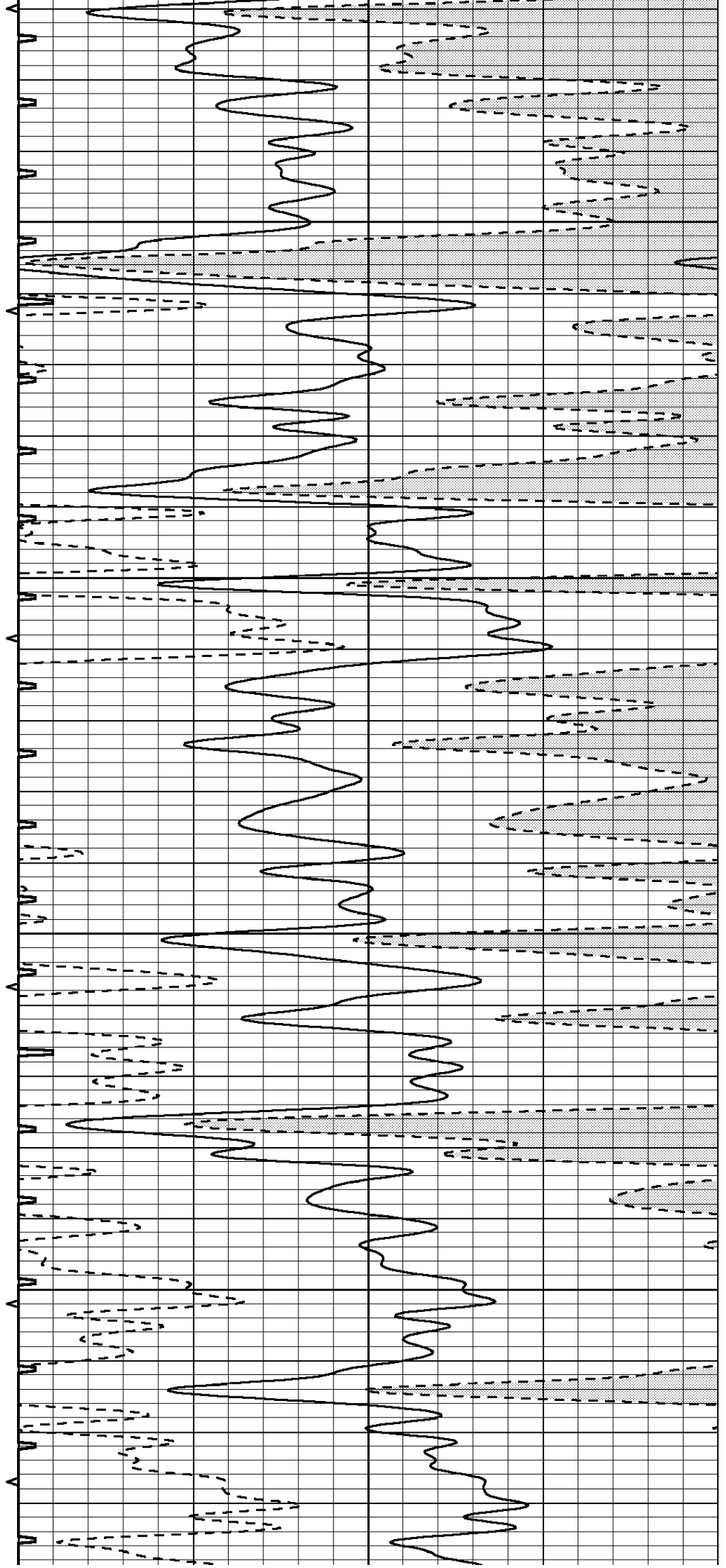


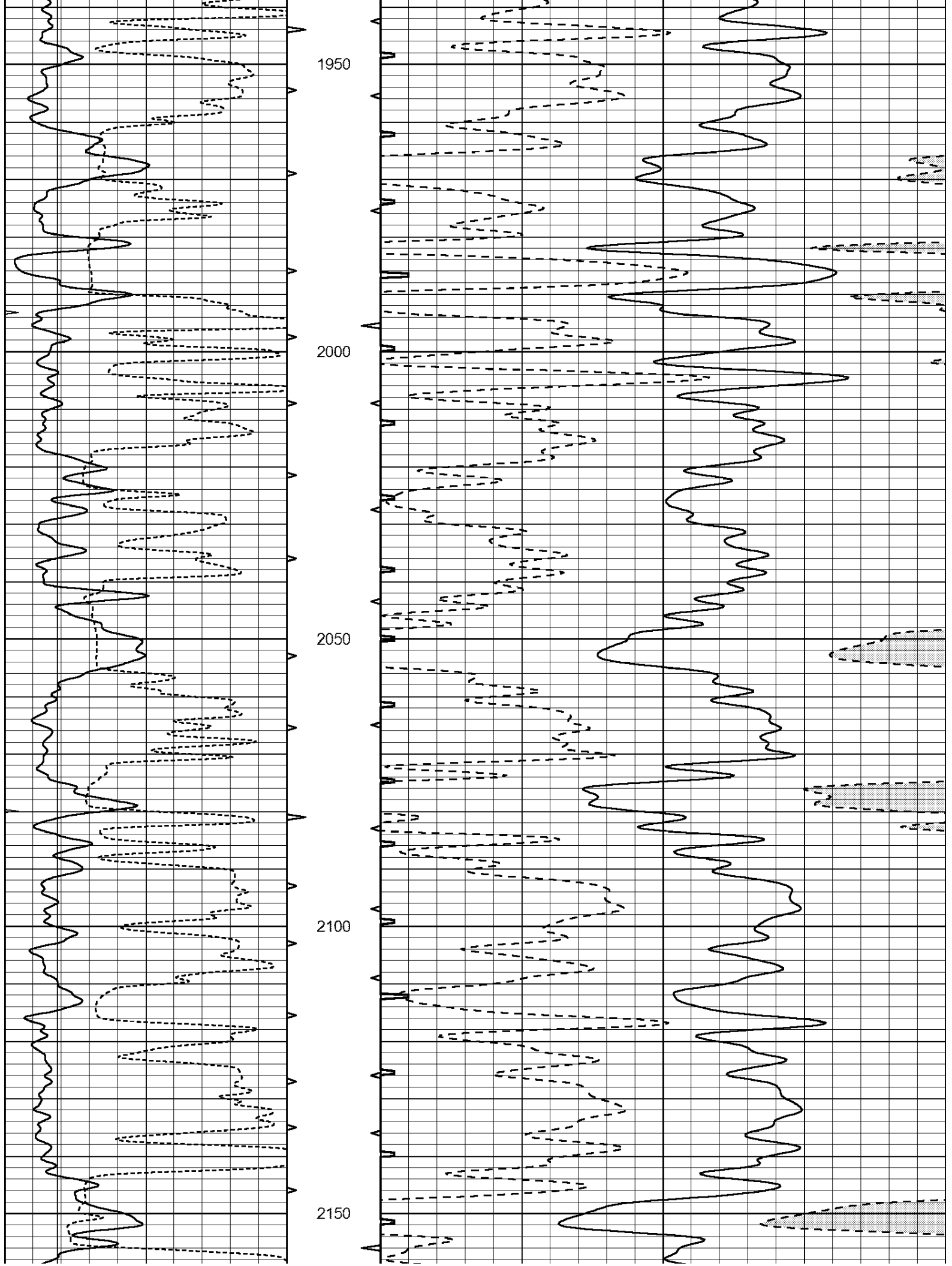
1750

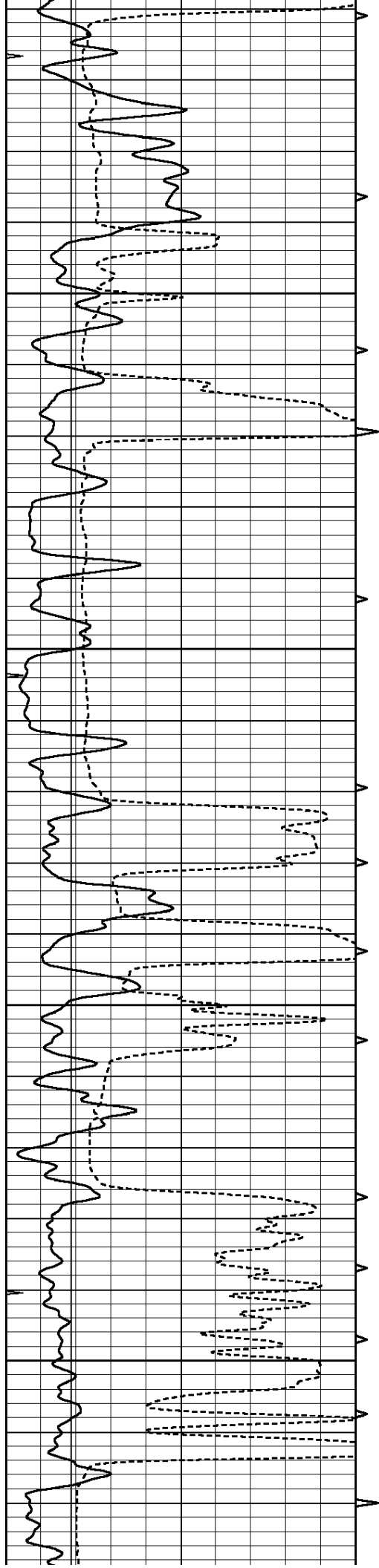
1800

1850

1900





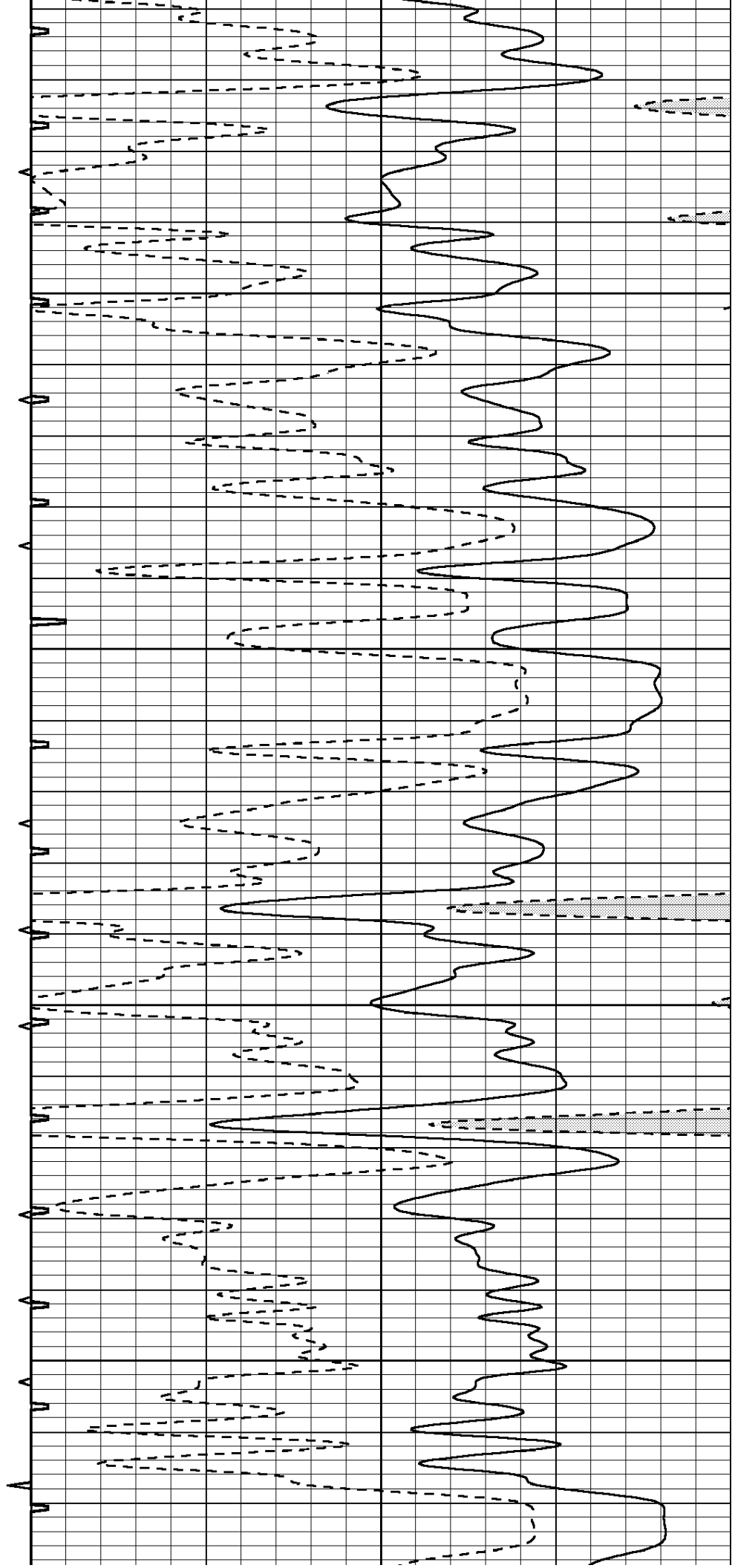


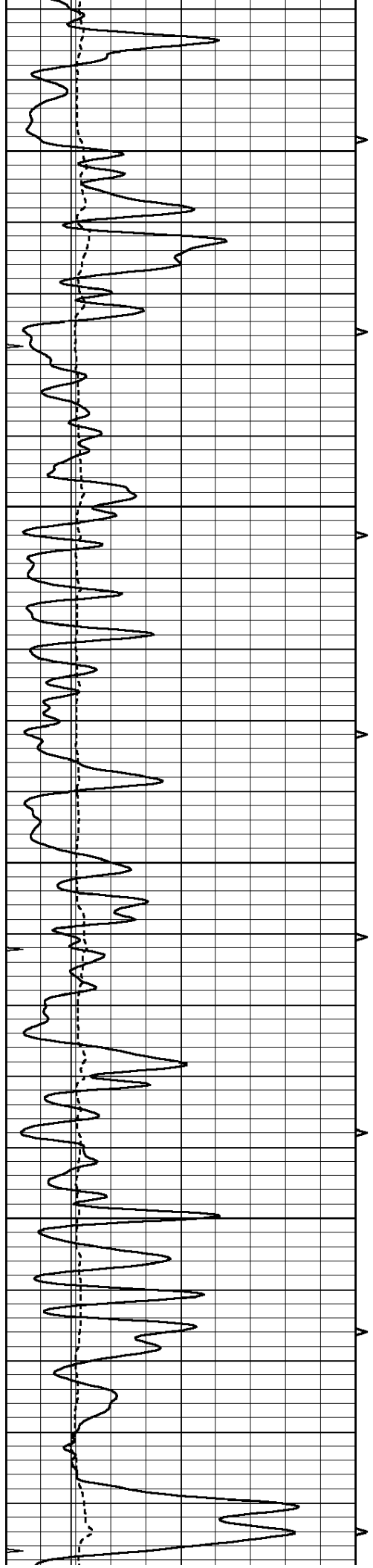
2200

2250

300

350



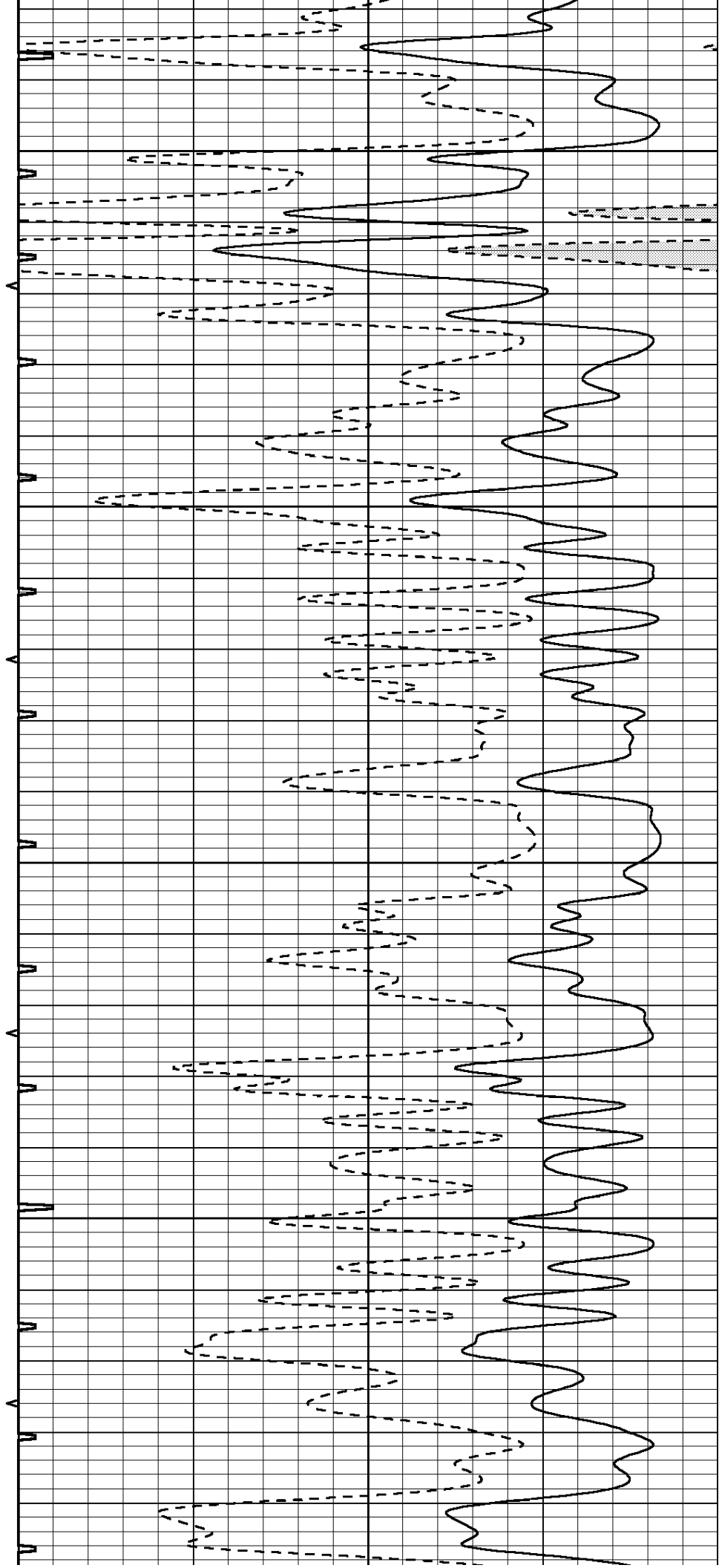


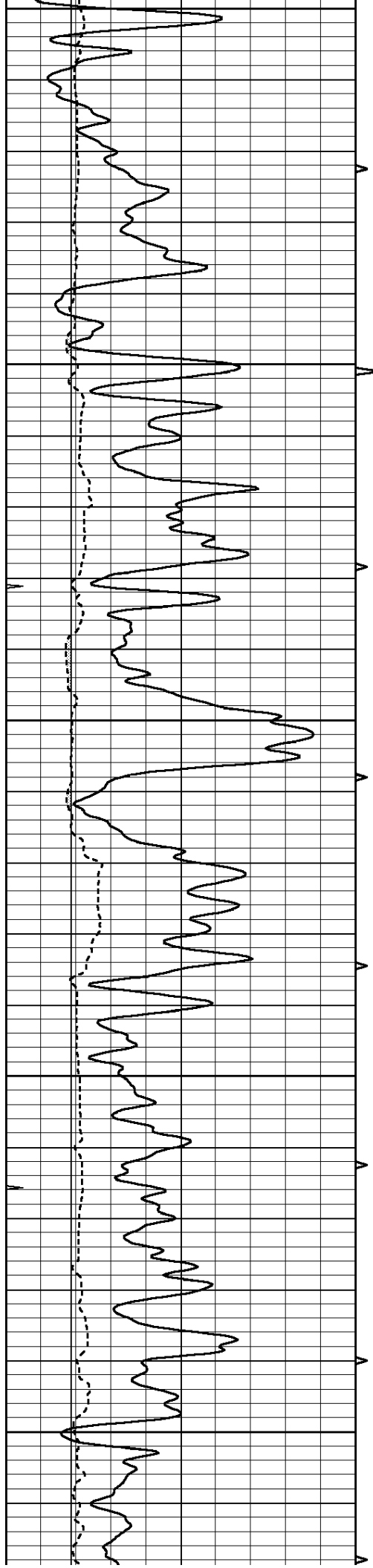
2400

2450

2500

2550





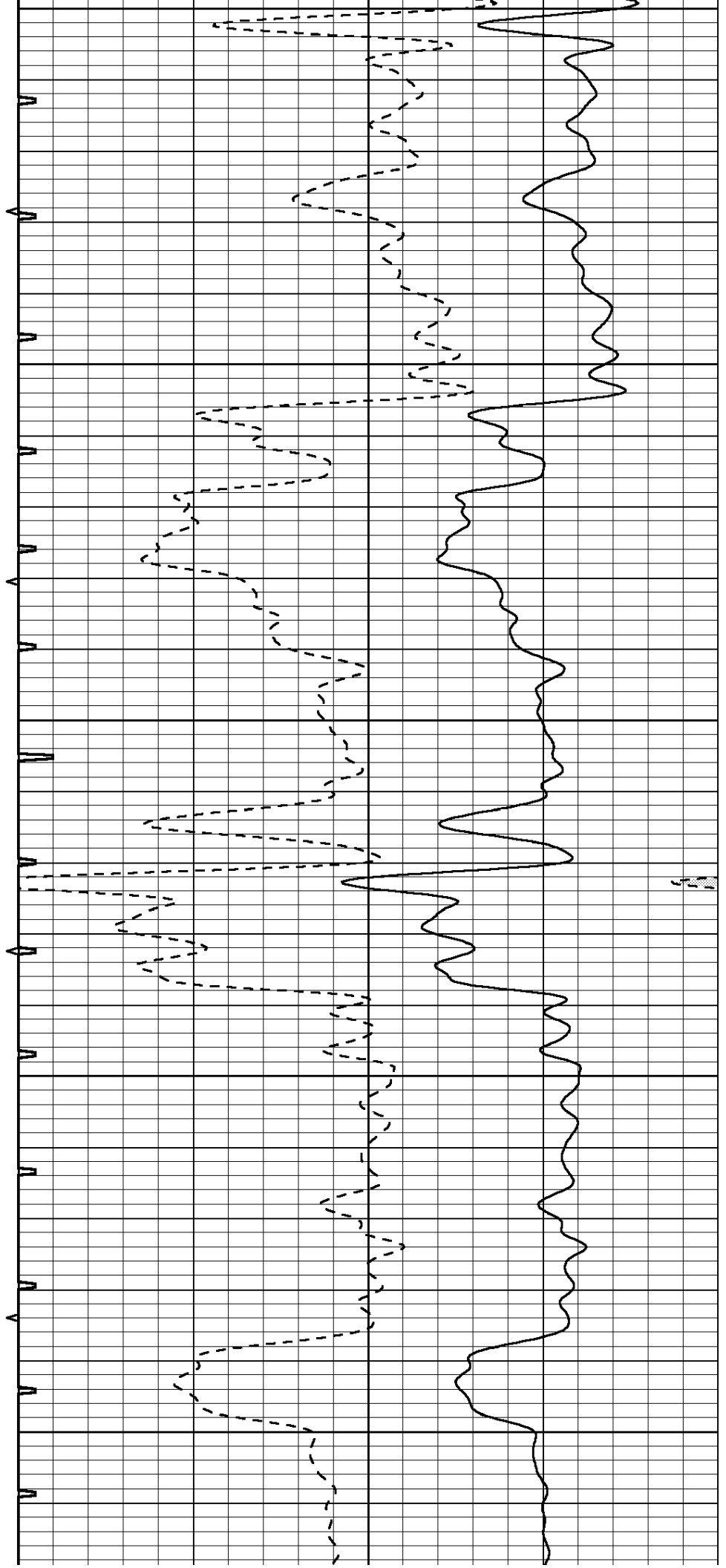
2600

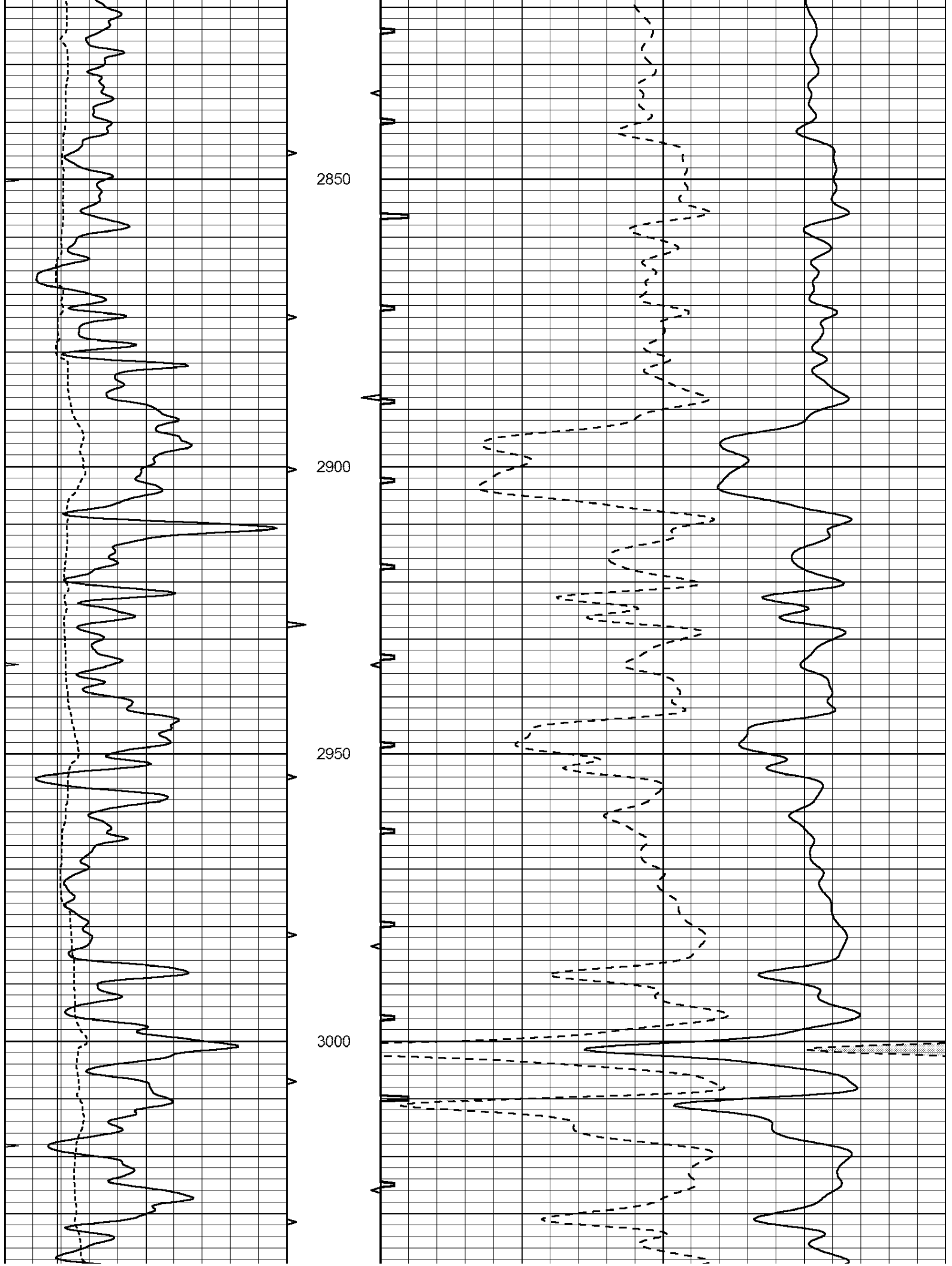
2650

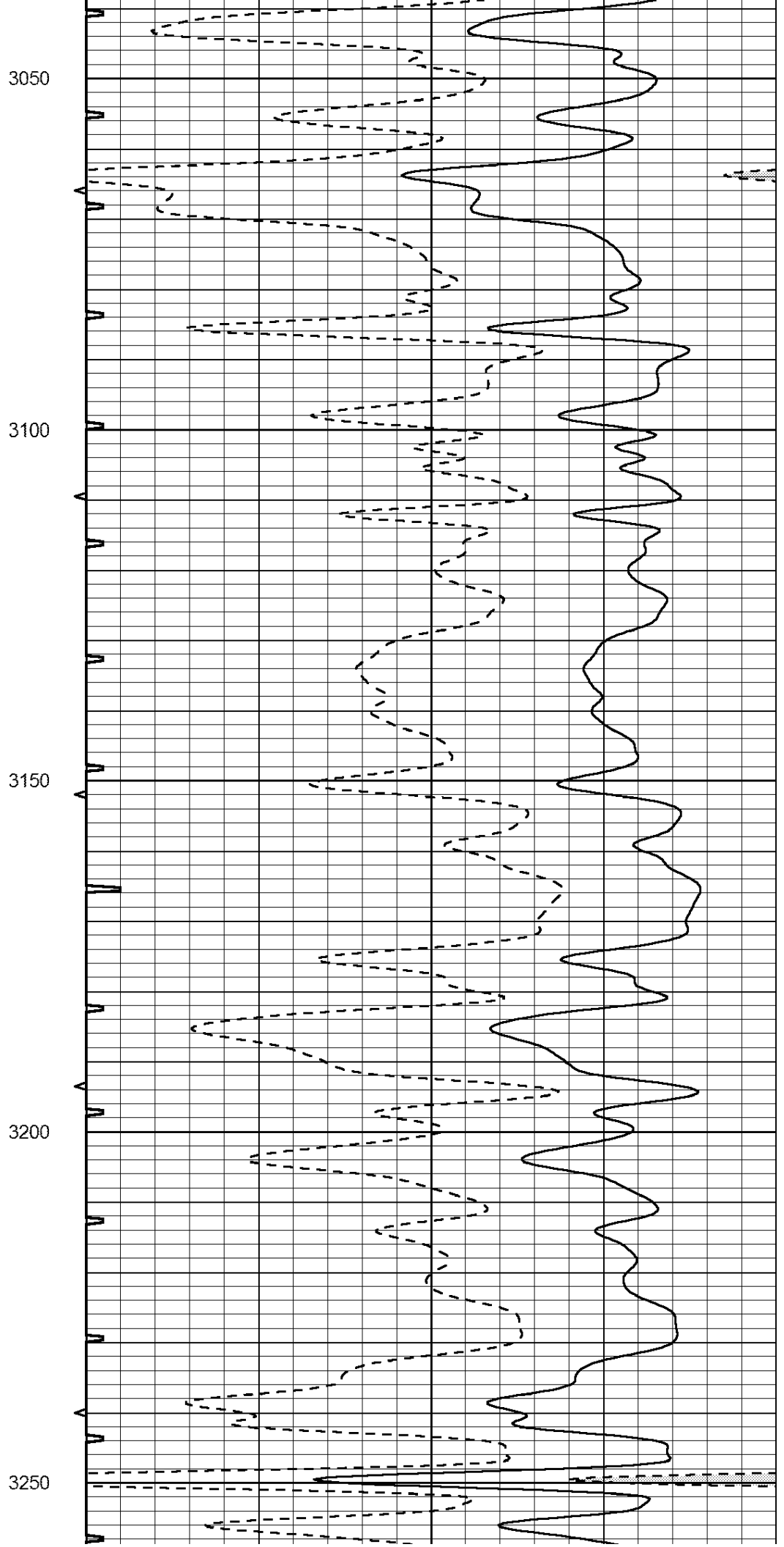
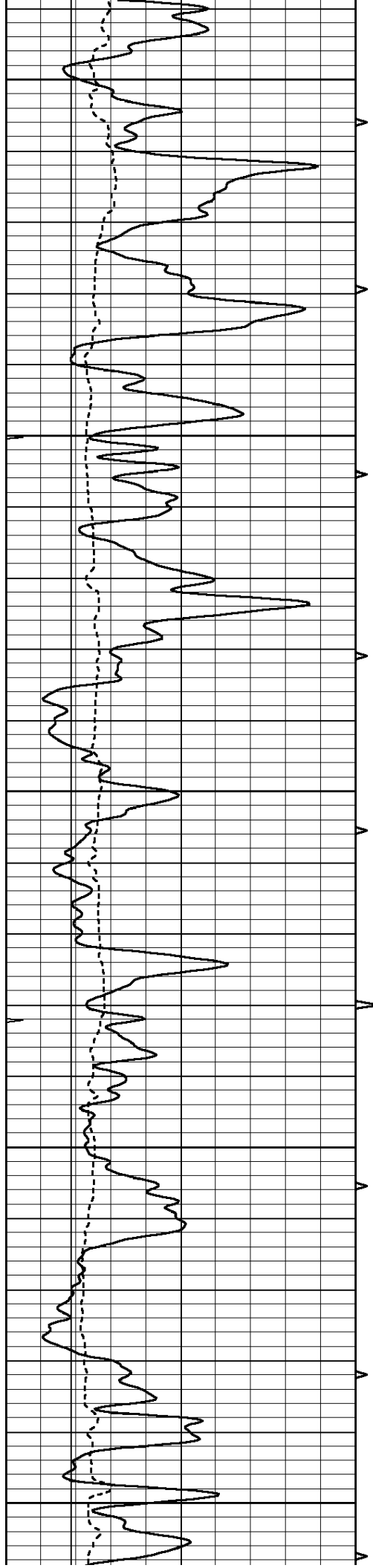
2700

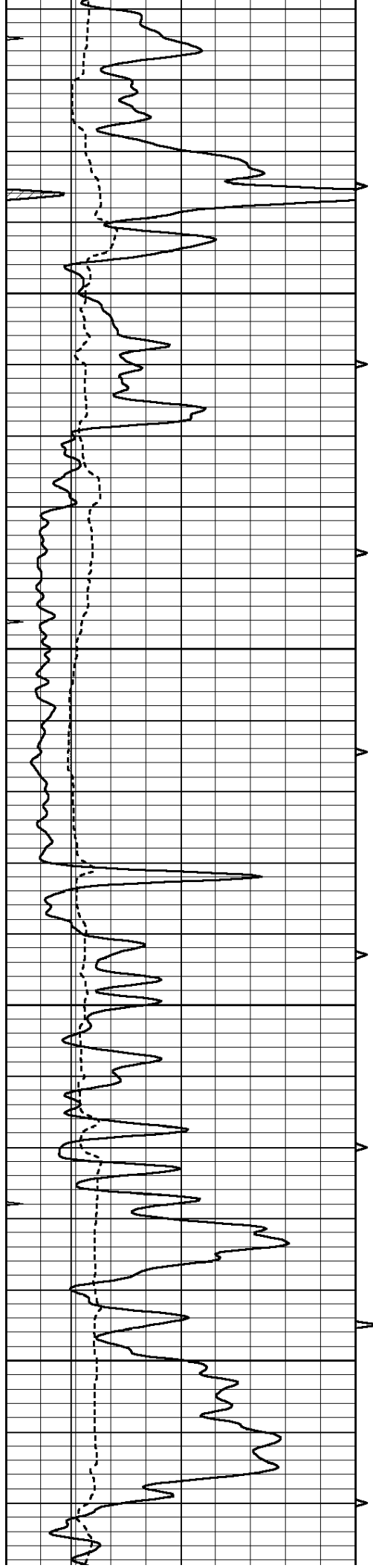
2750

2800







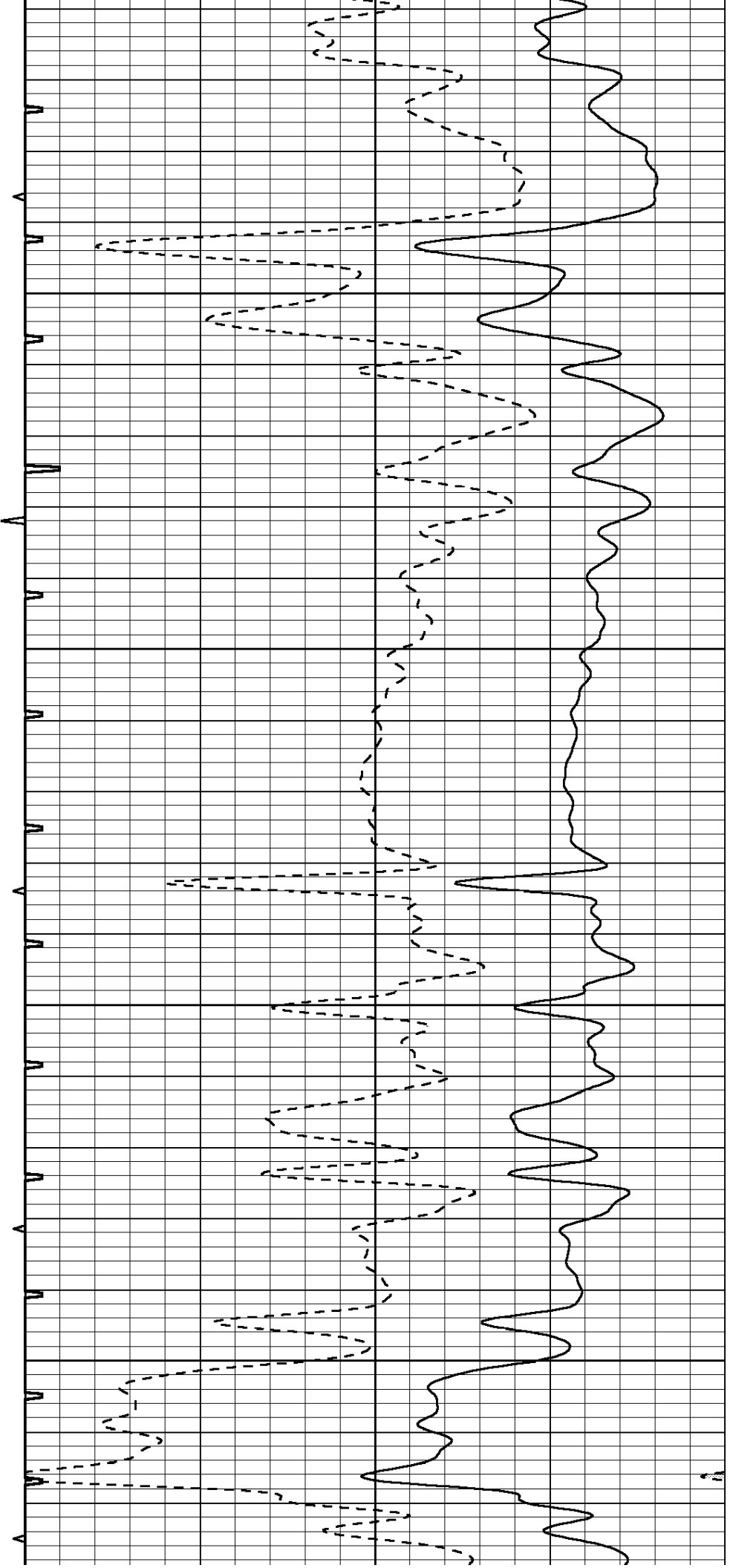


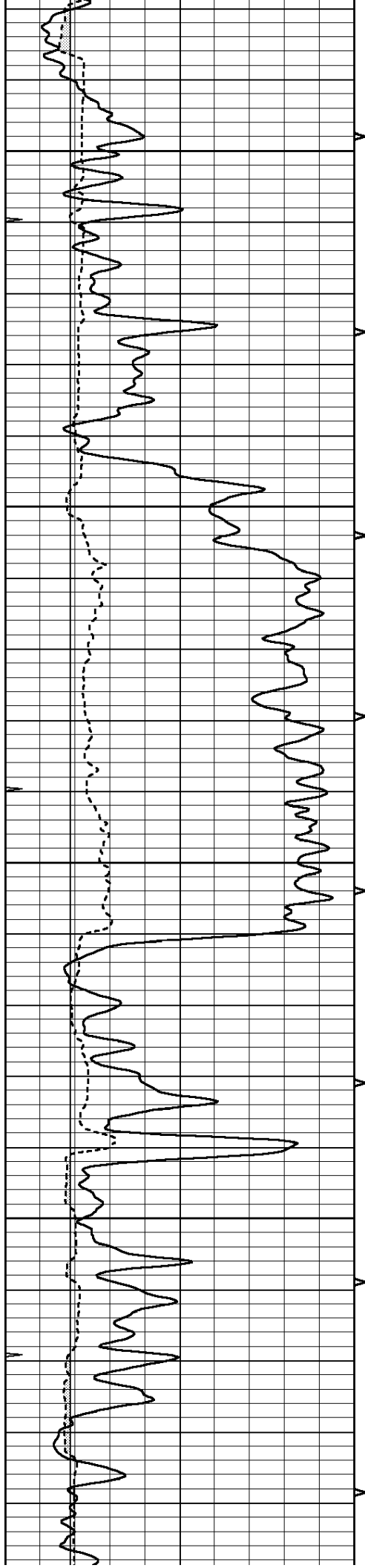
3300

3350

3400

3450



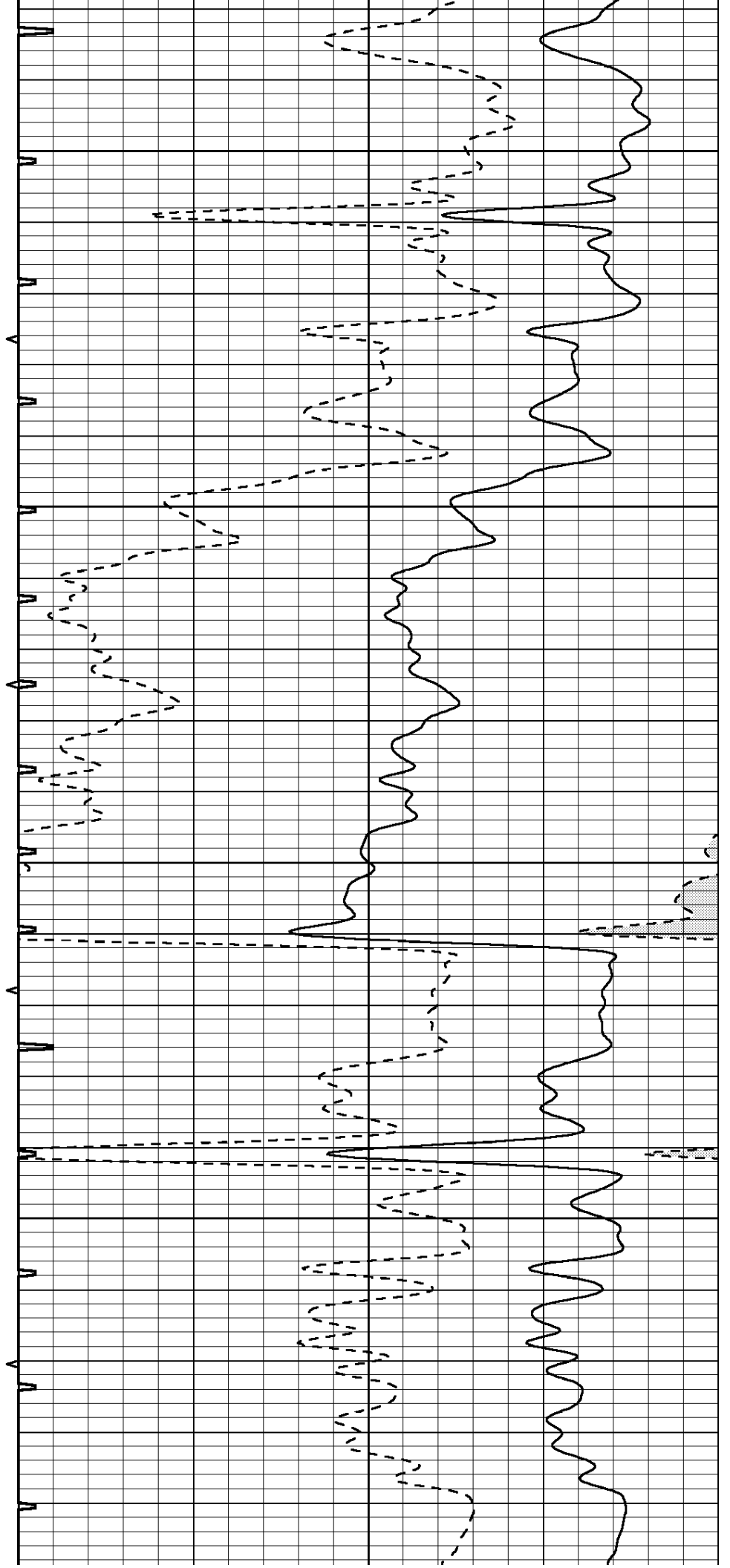


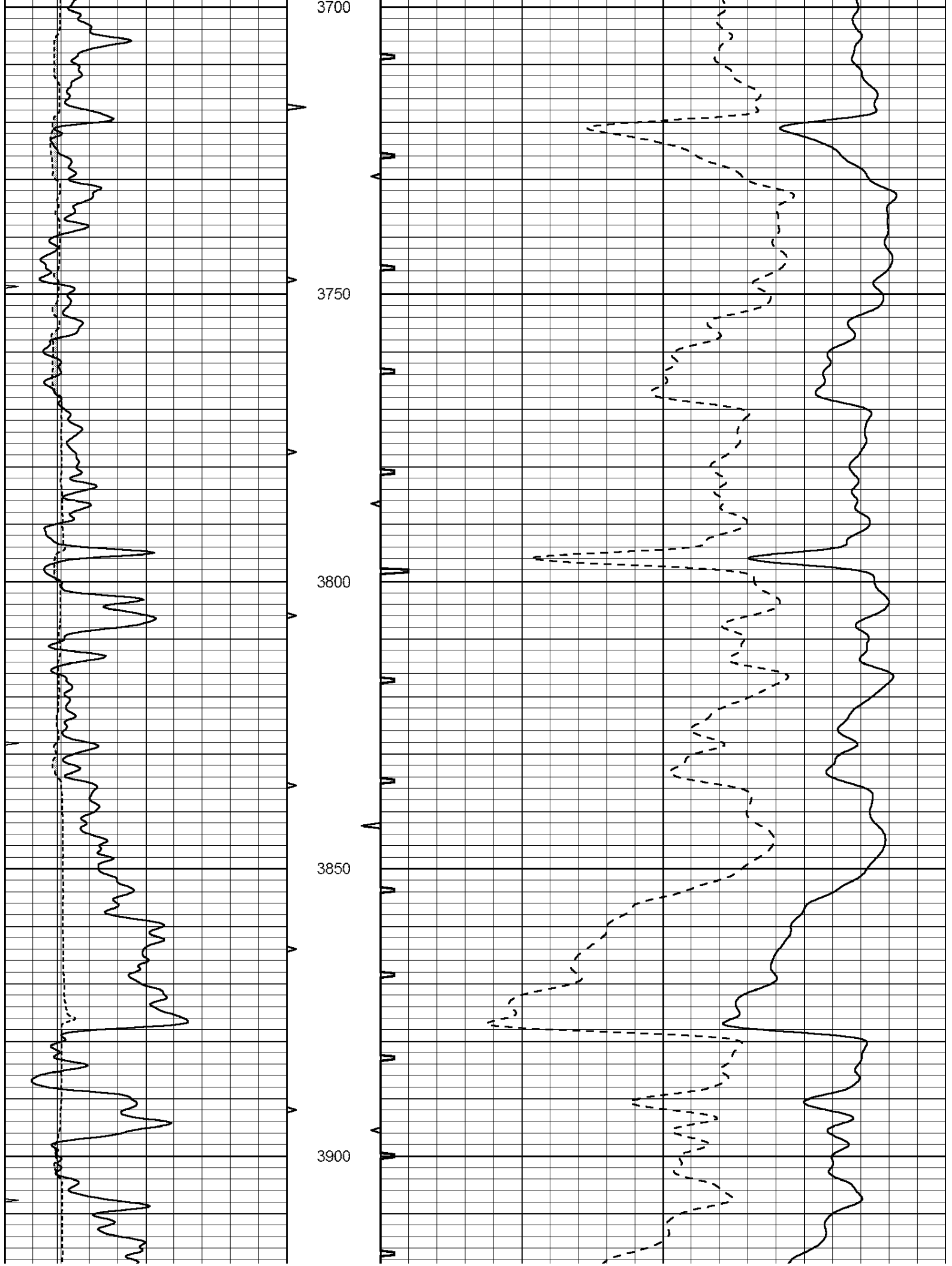
3500

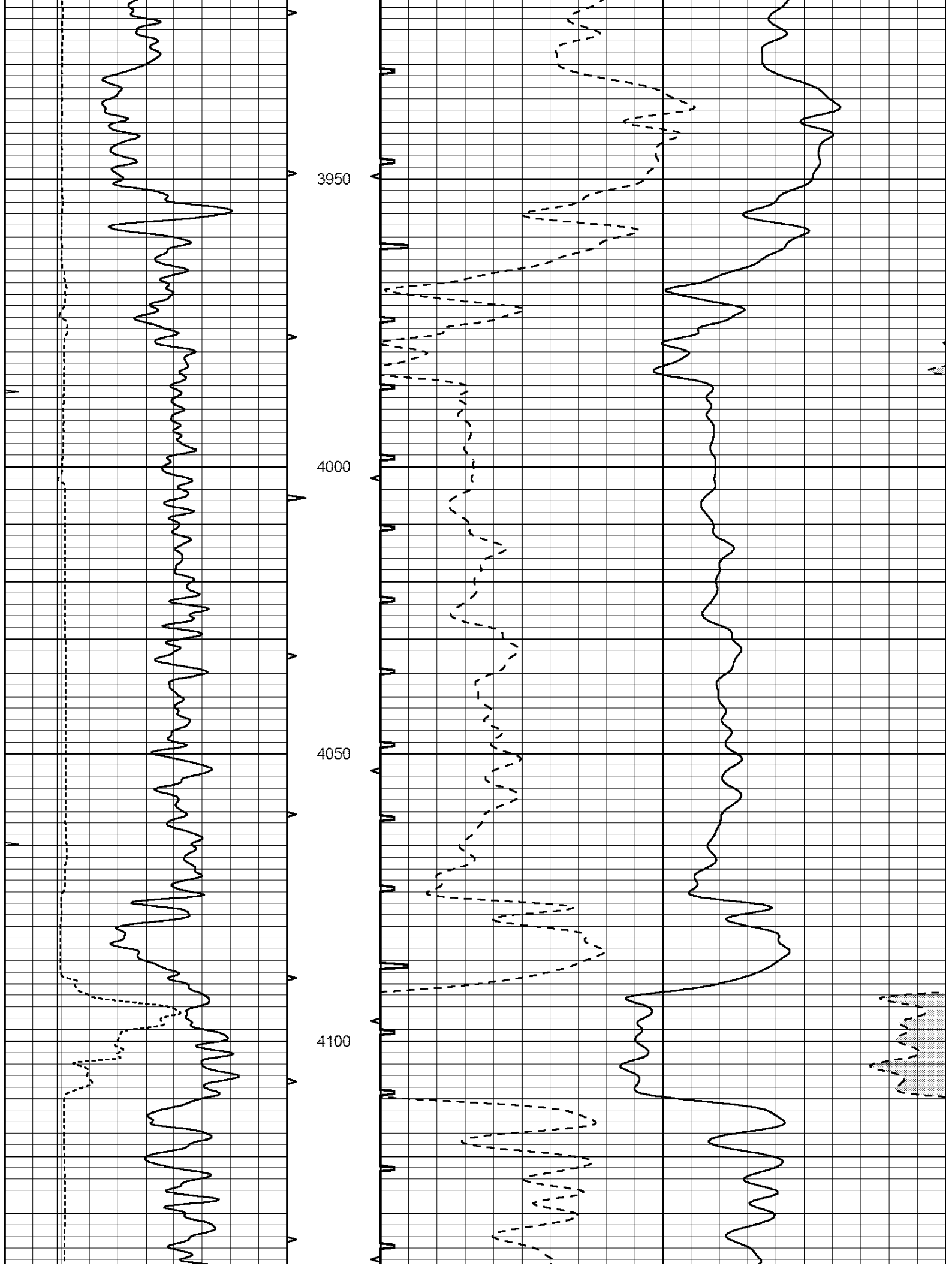
3550

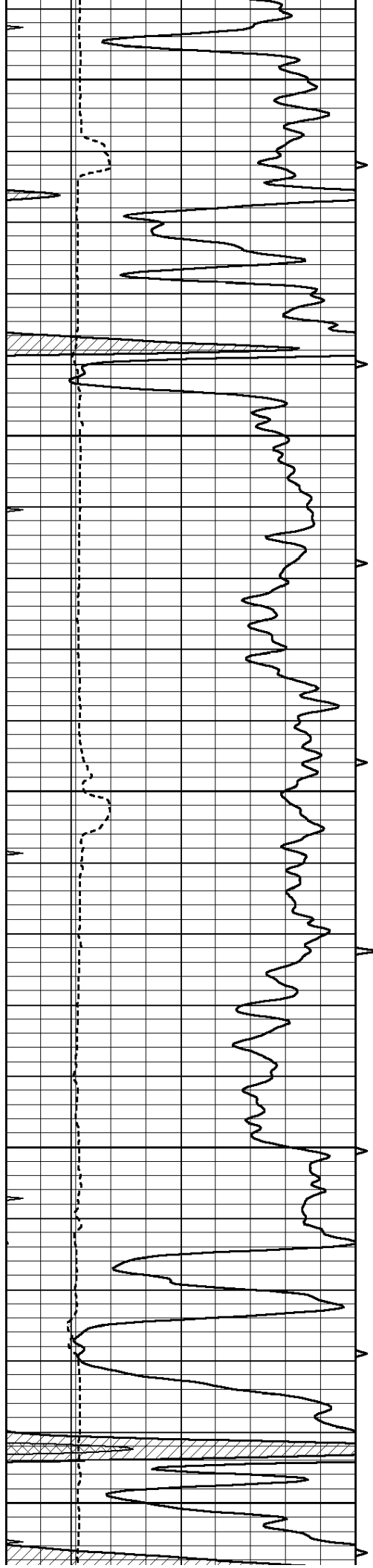
3600

3650









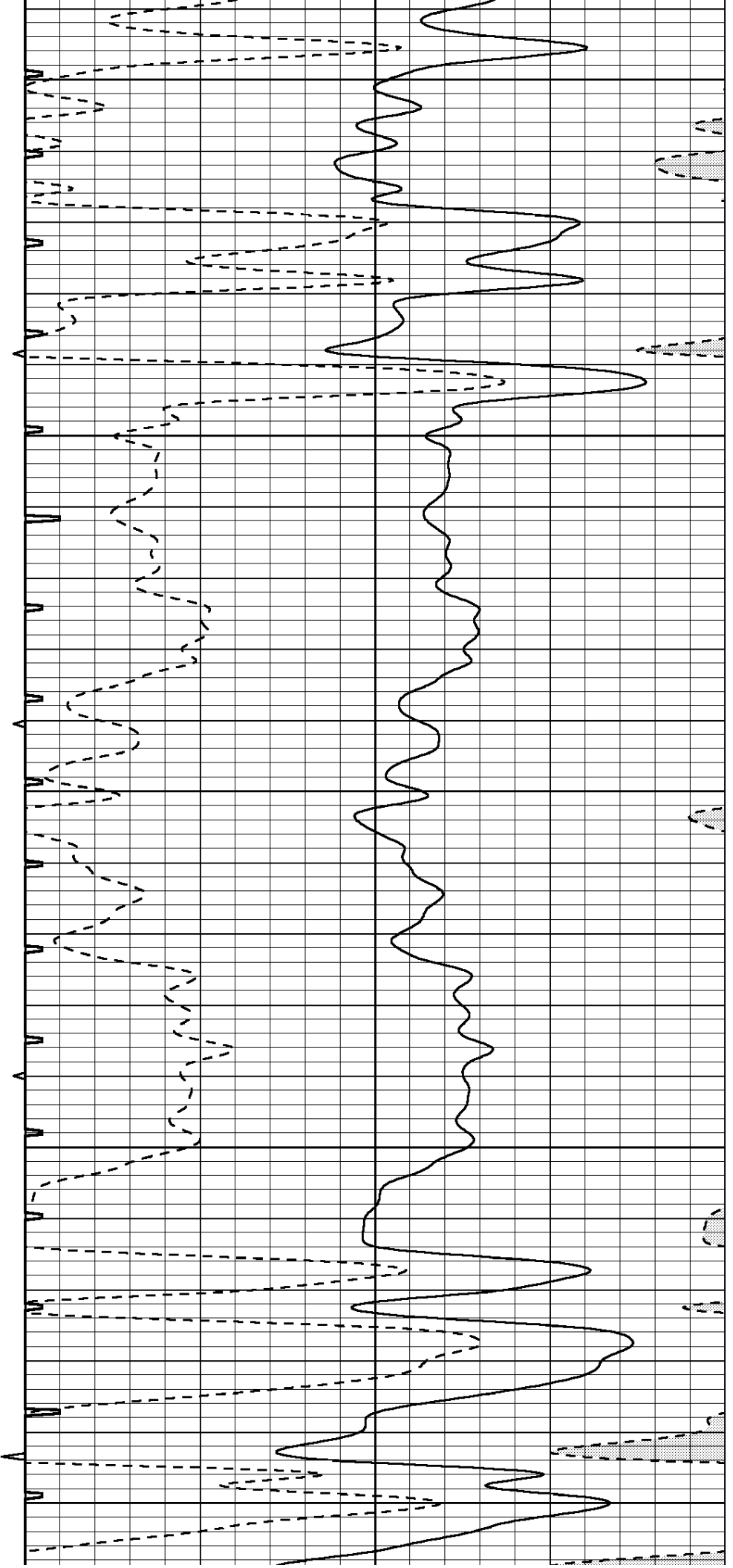
4150

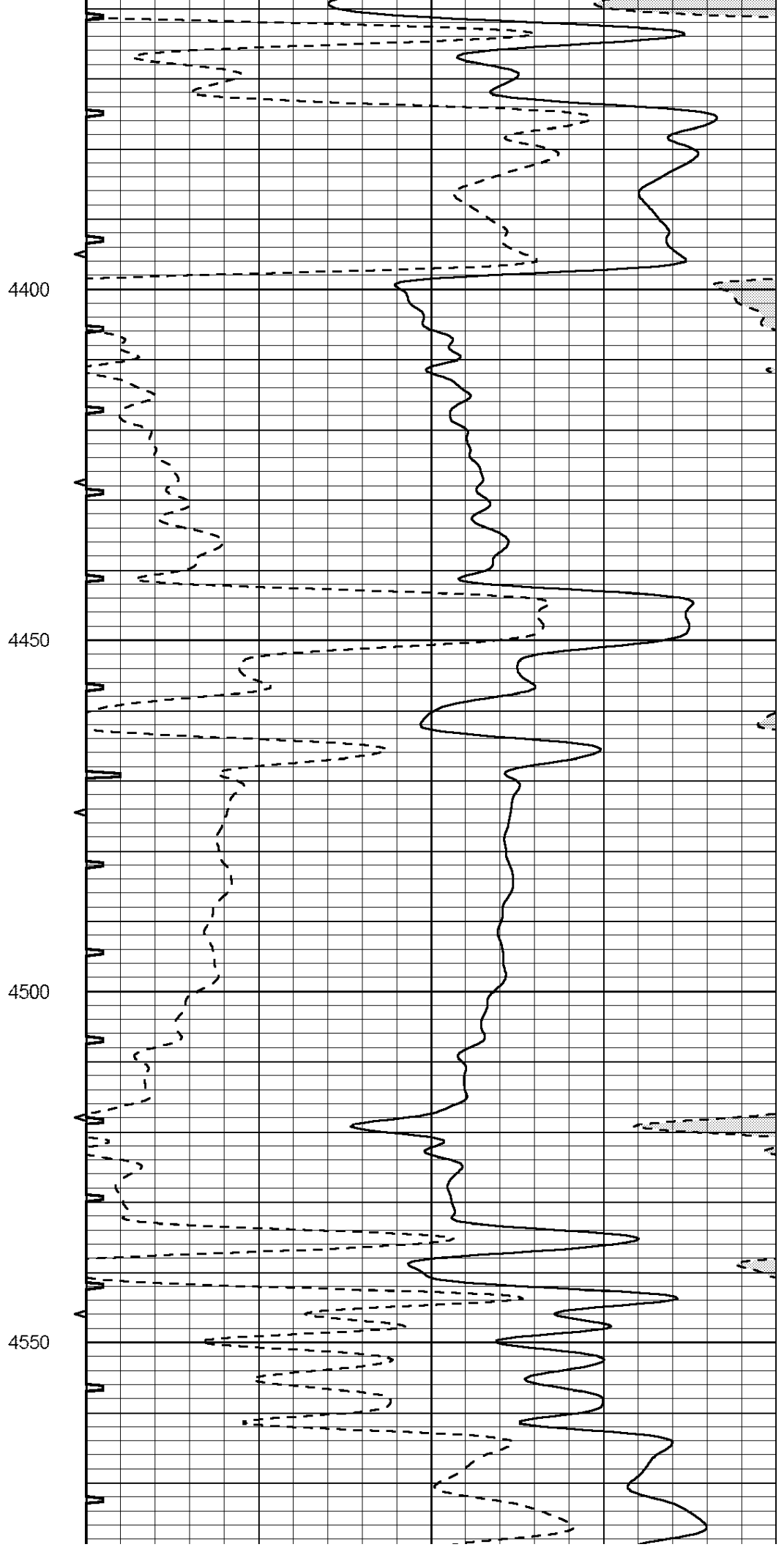
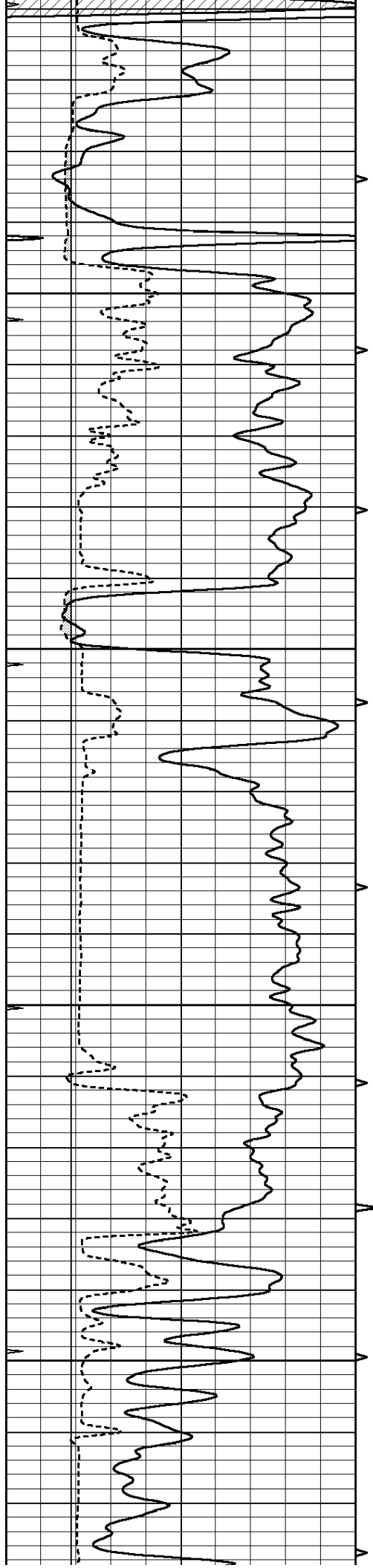
4200

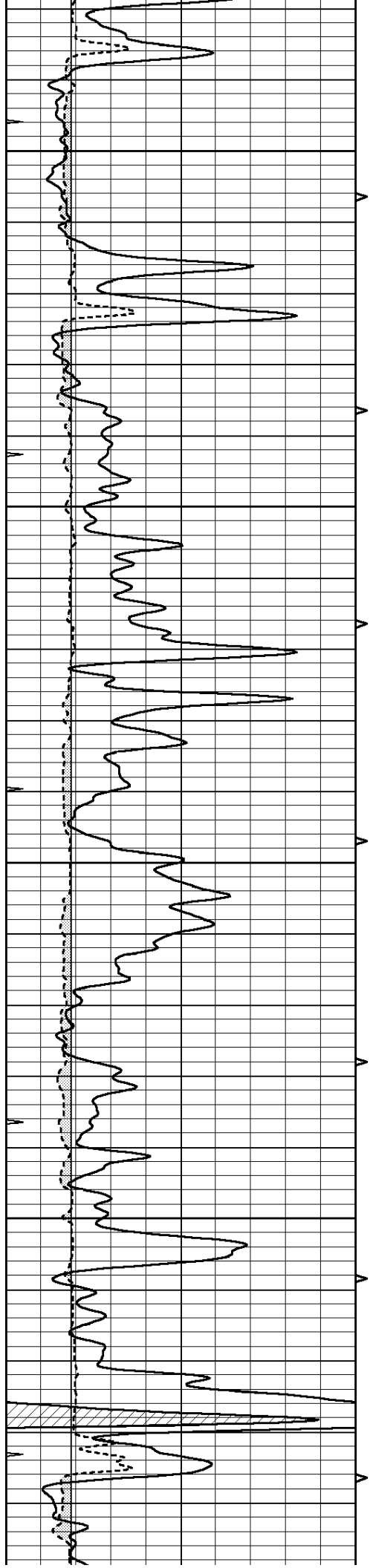
4250

4300

4350





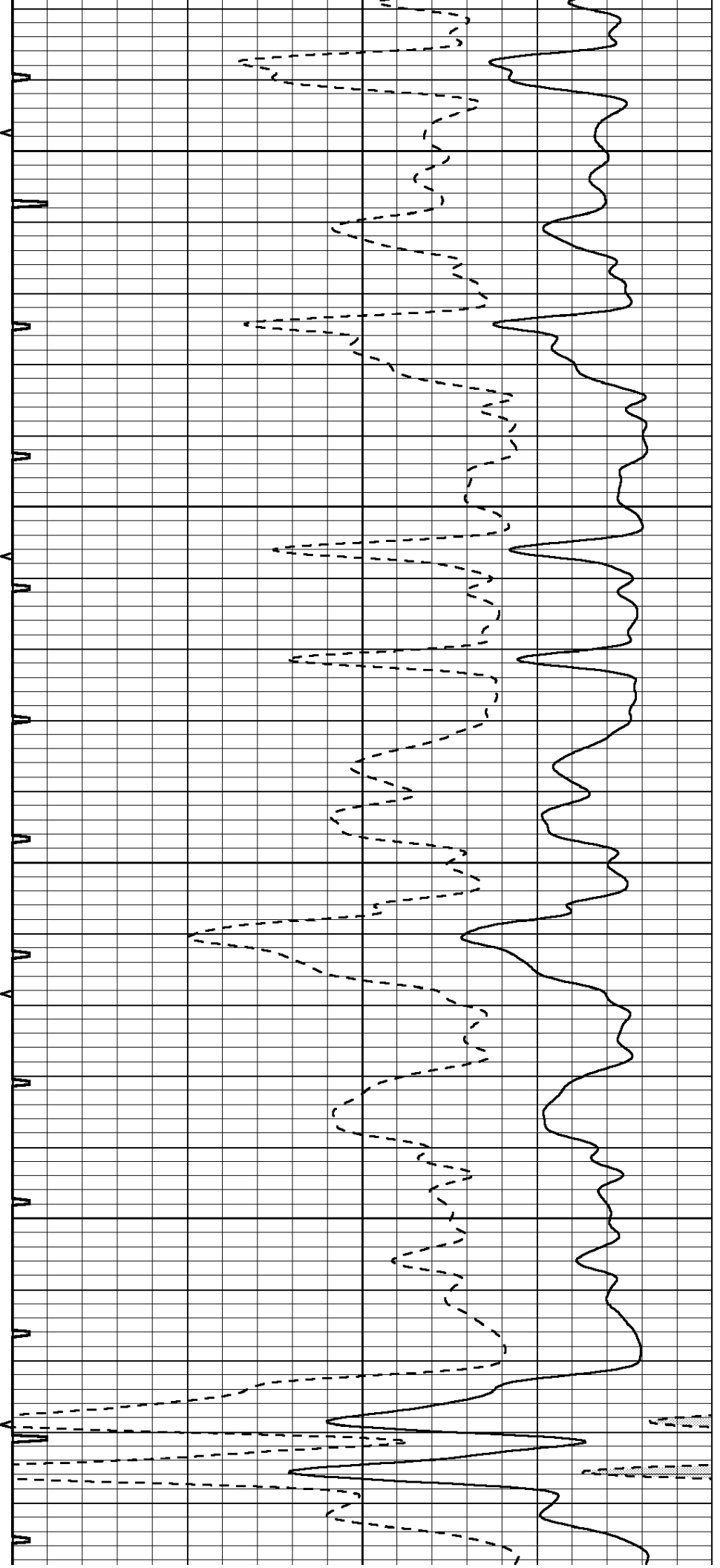


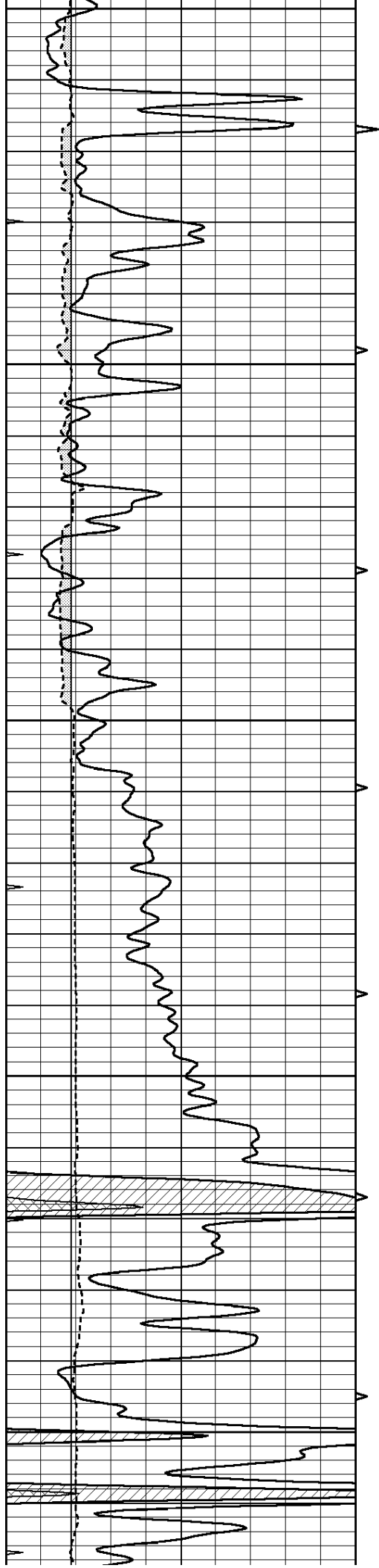
4600

4650

4700

4750





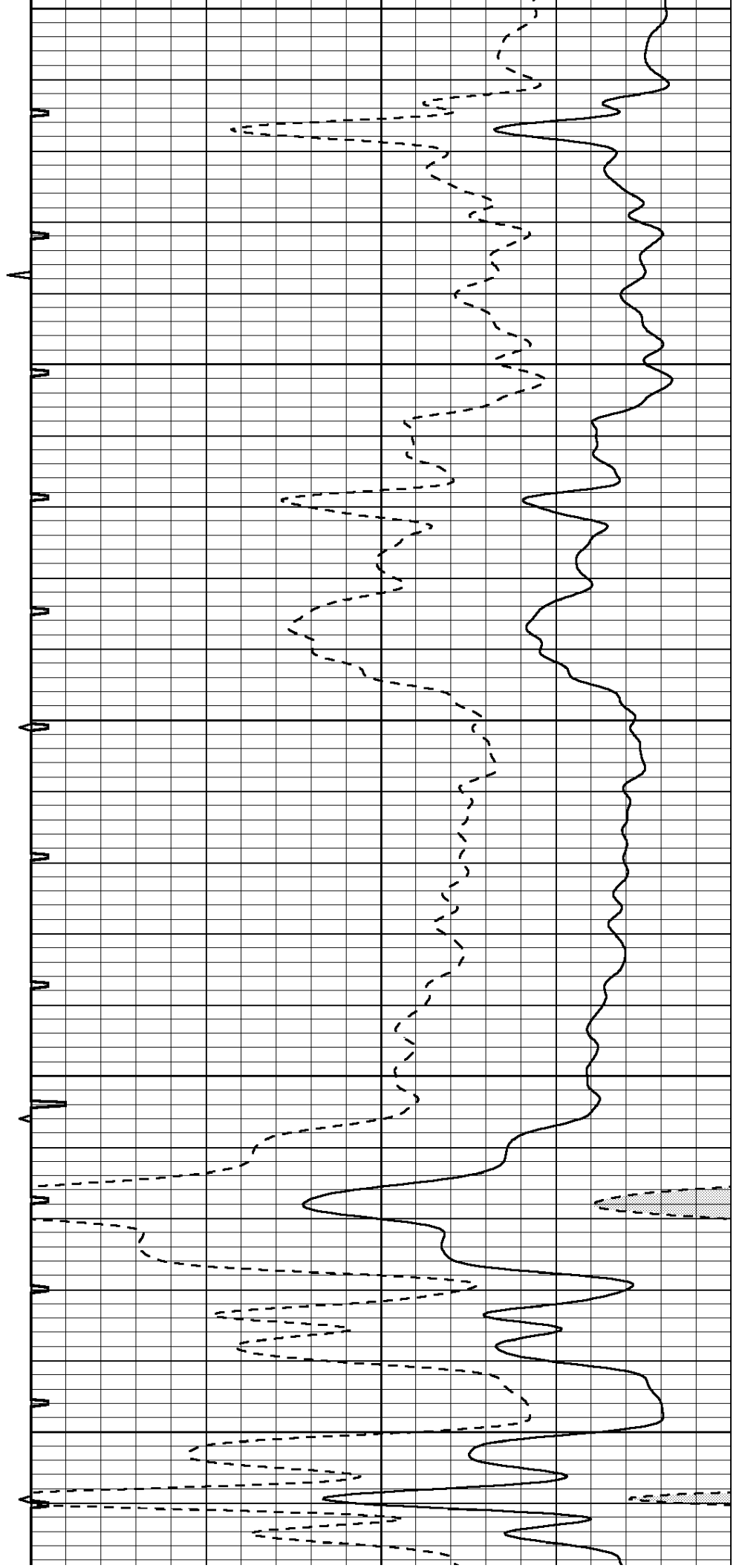
4800

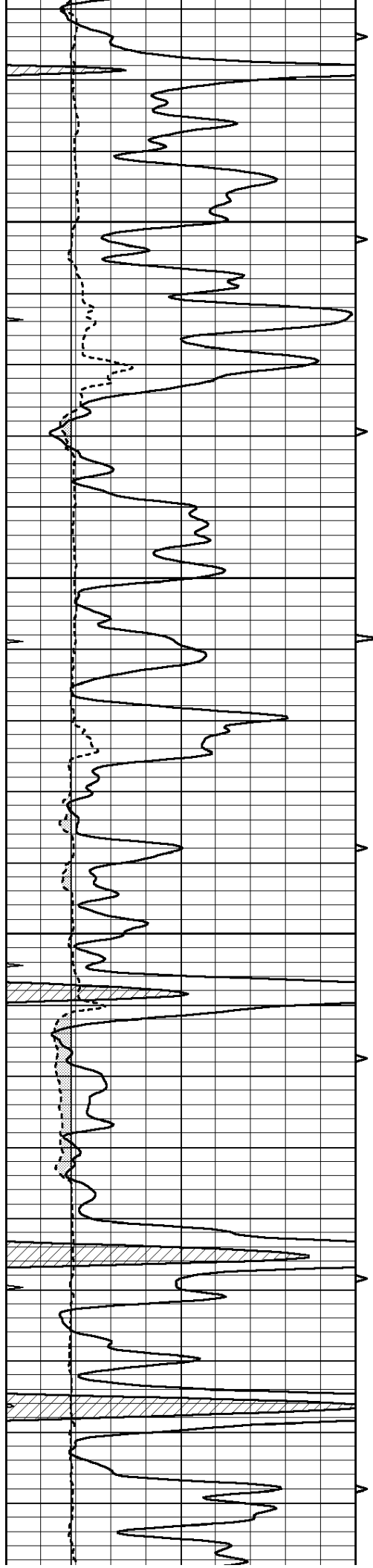
4850

4900

4950

5000



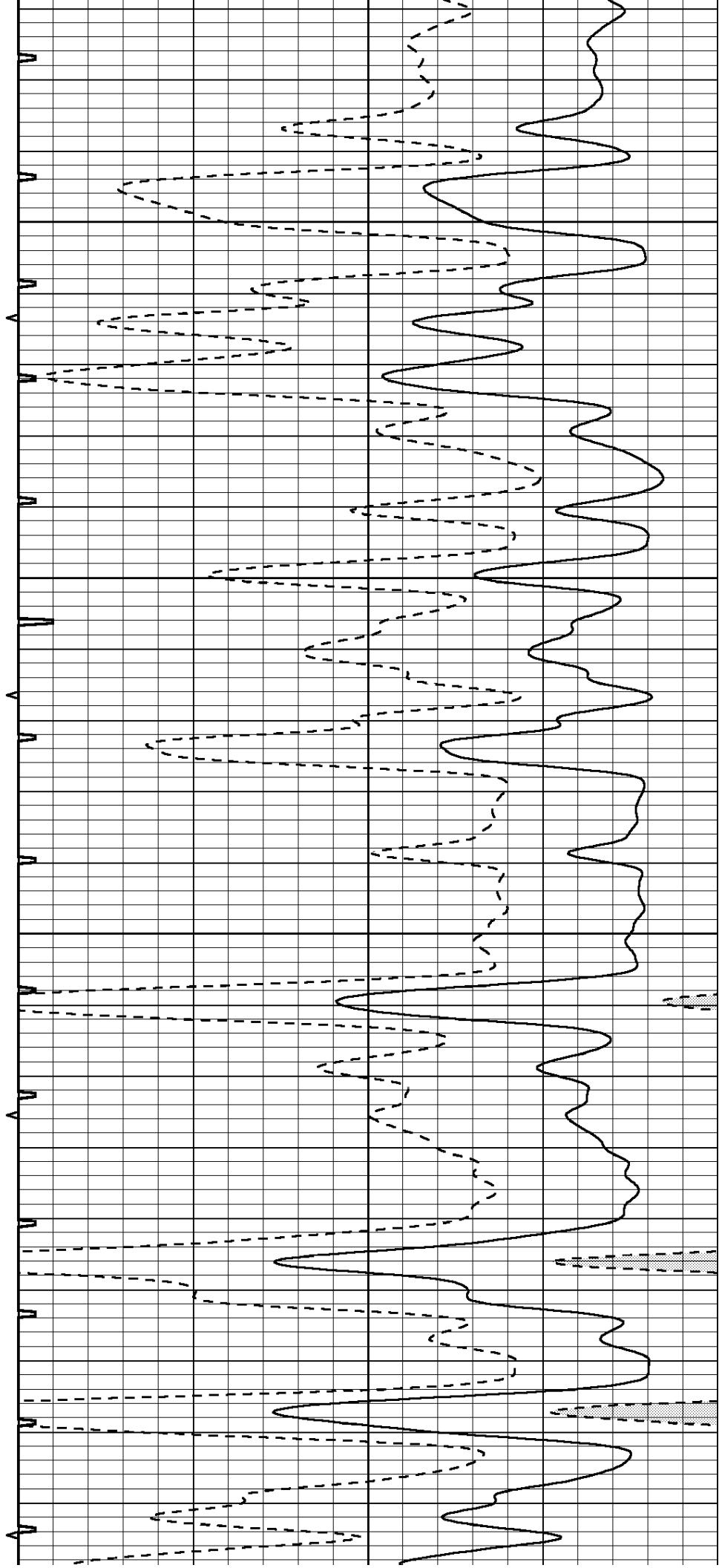


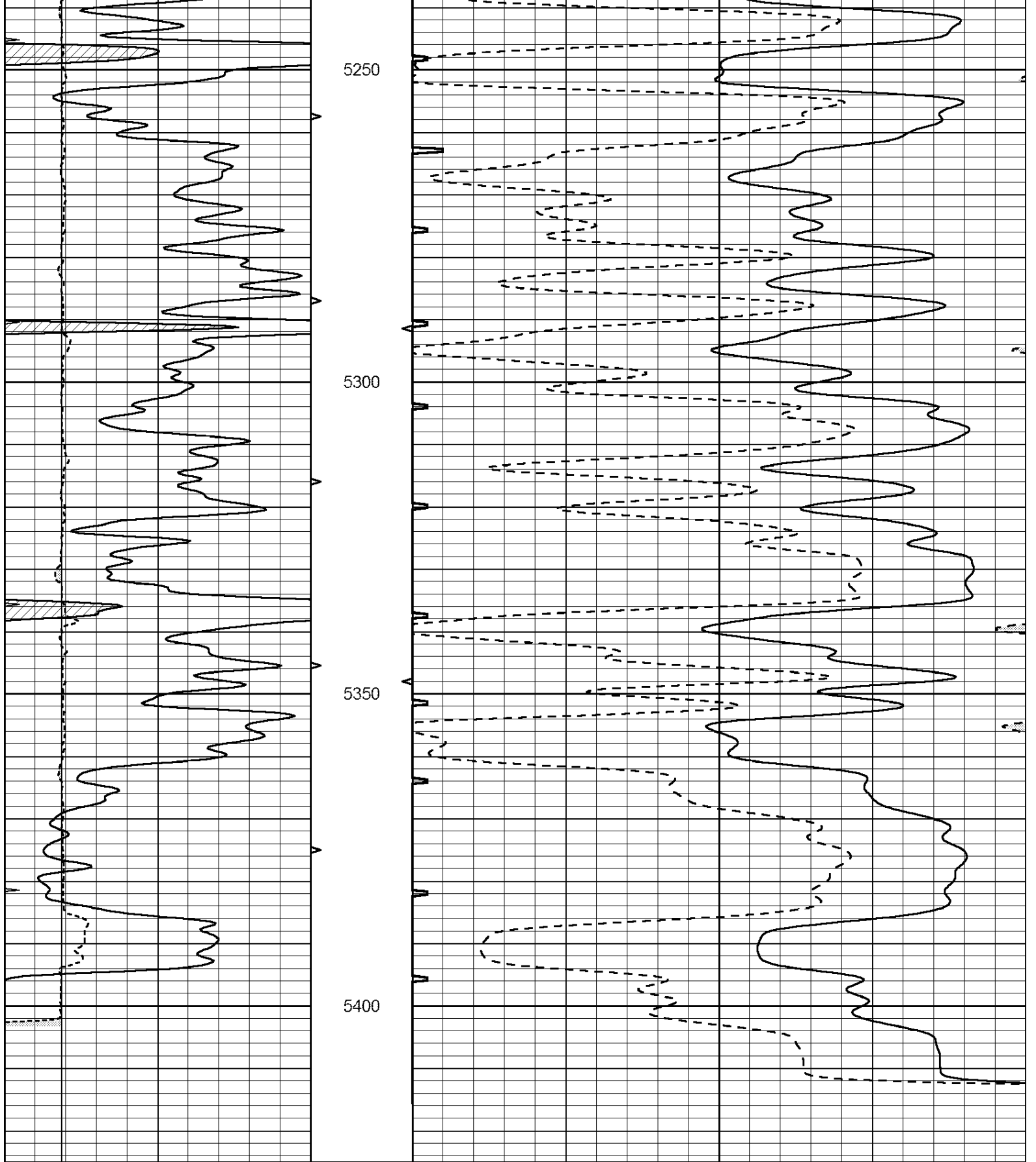
5050

5100

5150

5200





0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3) 10			

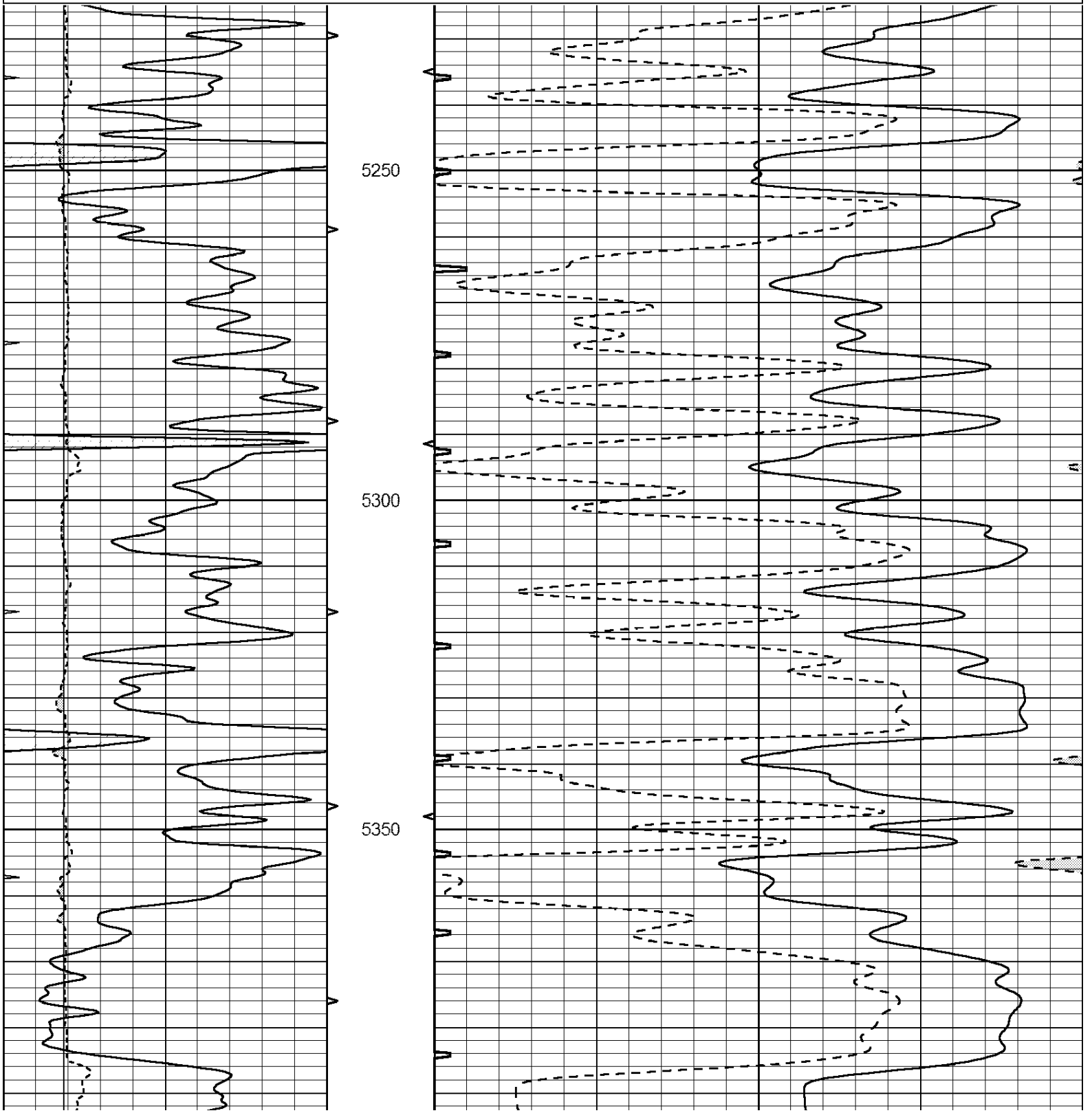


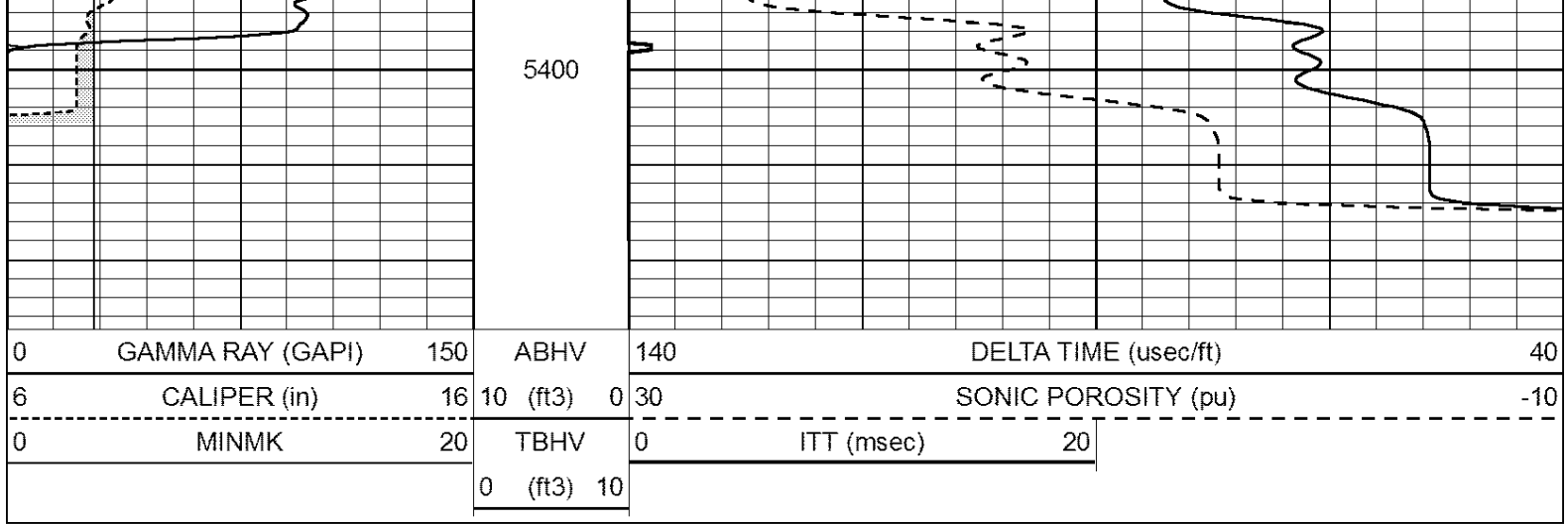
REPEAT SECTION

# REPEAT SECTION

Database File: 1822pe.db  
 Dataset Pathname: pass4RP  
 Presentation Format: \_slt  
 Dataset Creation: Sun Sep 17 12:49:09 2017 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3)	0 30	SONIC POROSITY (pu)	-10
0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3)	10		





### Calibration Report

Database File: 1822pe.db  
 Dataset Pathname: pass4RP  
 Dataset Creation: Sun Sep 17 12:49:09 2017 by Calc Open-Cased 090629

### MICRO Calibration Report

Serial Number: MICRO6  
 Tool Model: PROBE  
 Performed: Wed Aug 16 17:13:39 2017

Caliper Calibration: Gain=3.960 Offset=4.551  
 References Low Cal 7.000 High Cal 14.000  
 Readings 0.555 2.323

1.5" Calibration: Gain=44.075 Offset=-0.400  
 References Low Cal 0.000 High Cal 20.000  
 Readings 0.004 1.196

2" Calibration: Gain=46.000 Offset=-1.000  
 References Low Cal 0.000 High Cal 20.000  
 Readings 0.006 0.913

### Gamma Ray Calibration Report

Serial Number: GR2  
 Tool Model: OPEN  
 Performed: Wed Aug 16 17:13:40 2017

Calibrator Value: 1.0 GAPI  
 Background Reading: 0.0 cps  
 Calibrator Reading: 1.0 cps  
 Sensitivity: 0.3800 GAPI/cps