



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company	HERMAN L. LOEB, LLC
Well	THOMPSON C #2-16
Field	MEDICINE LODGE - BOGGS
County	BARBER
State	KANSAS
Location:	API # : 15-007-24122-00-00 555' FNL& 2235' FVL SW - NE - NE - NW
Permanent Datum Log Measured From Drilling Measured From	GROUND LEVEL KELLY BUSHING 9' A.G.L. KELLY BUSHING
Other Services CDL/CNL/PE MEL/DIL	Elevation K.B. 1820 D.F. 1818 G.L. 1811
Date	1-6-14
Run Number	TWO
Depth Driller	5162
Depth Logger	5162
Bottom Logged Interval	5152
Top Log Interval	200
Casing Driller	13 3/8" @ 258'
Casing Logger	254'
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.2/54
pH / Fluid Loss	10.5/8.8
Source of Sample	FLOWLINE
Rim @ Meas. Temp	0.50@65F
Rmf @ Meas. Temp	0.38@65F
Rmc @ Meas. Temp	0.60@65F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	0.26@126F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	
Maximum Recorded Temperature	126F
Equipment Number	860
Location	HAYS, KANSAS
Recorded By	IAN MABB
Witnessed By	JON CHRISTENSEN

<<< Fold Here >>>

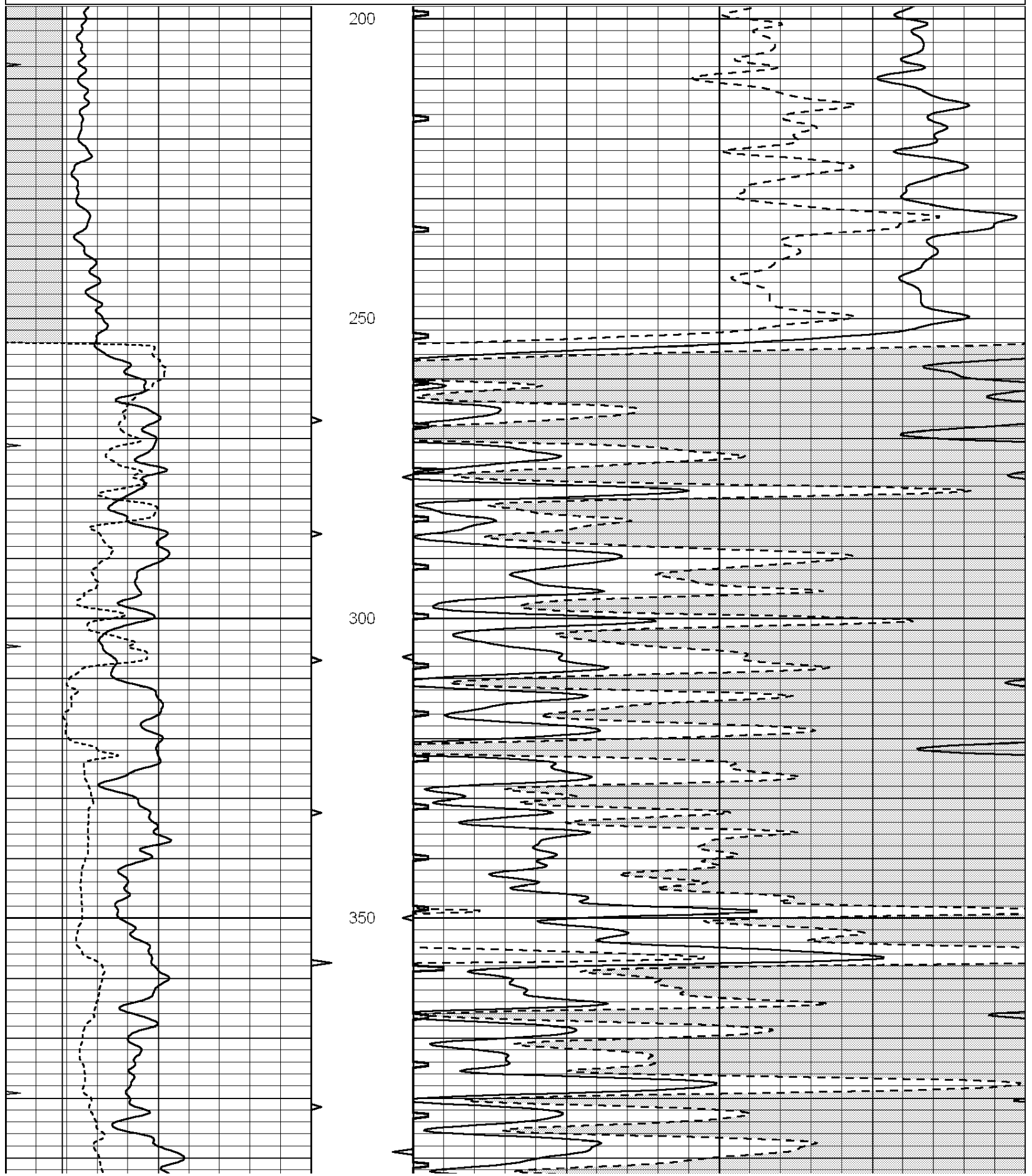
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

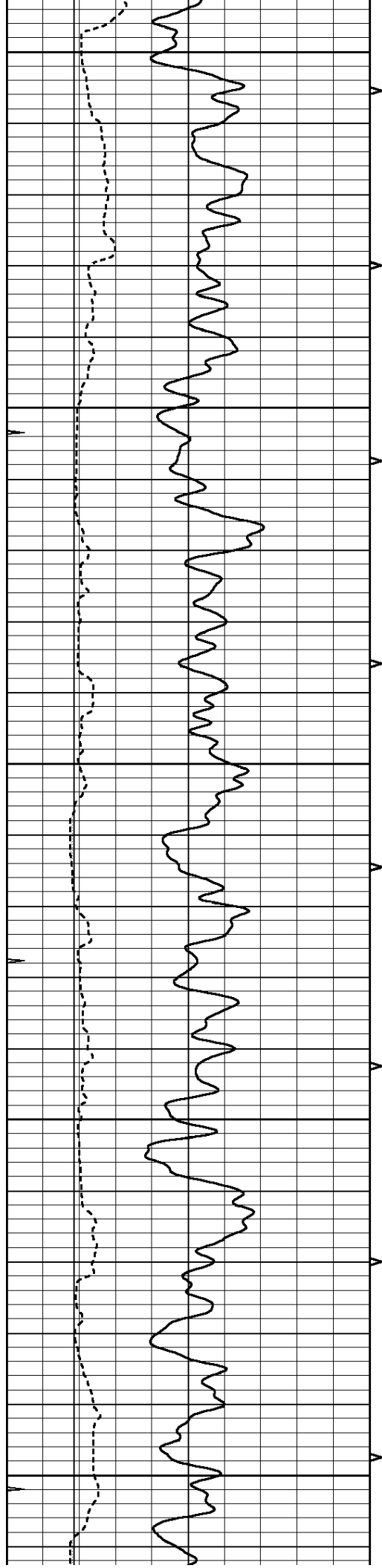
Comments

THANK YOU FOR USING "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS:

MEDICINE LODGE - 3 WEST ON 160 TO GYP HILL RD. - 10 SOUTH TO UNION CHAPEL CHURCH RD - WEST 2.5 MILES TO A SILO ON THE NORTH SIDE OF ROAD - 2.5 MILES NORTH ON MAIN LEASE RD.

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





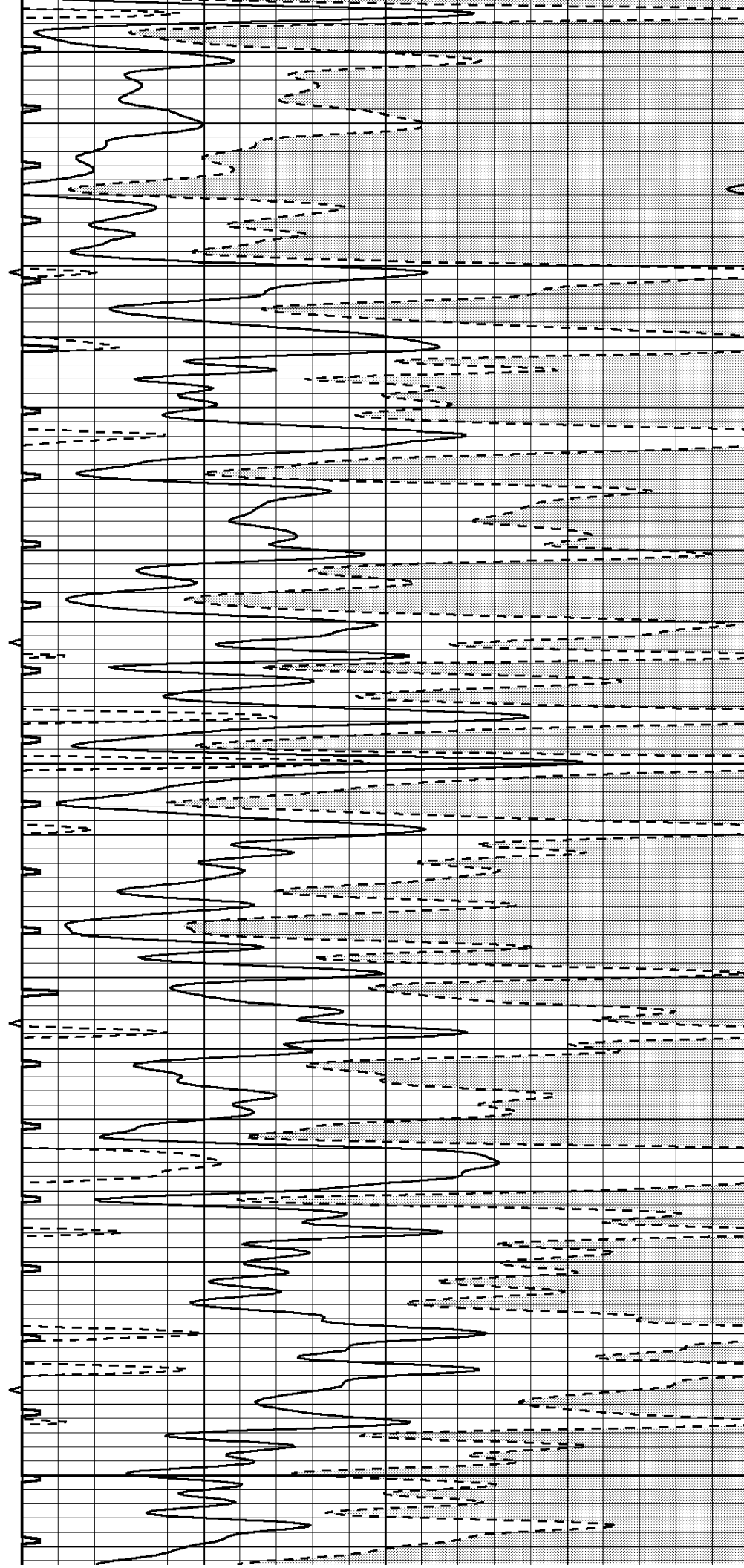
400

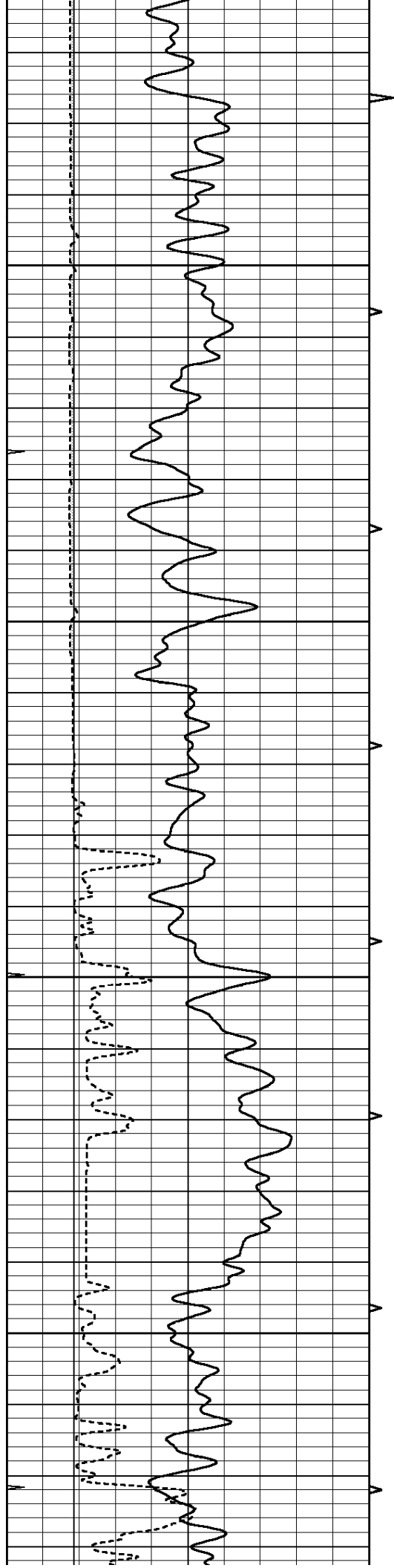
450

500

550

600



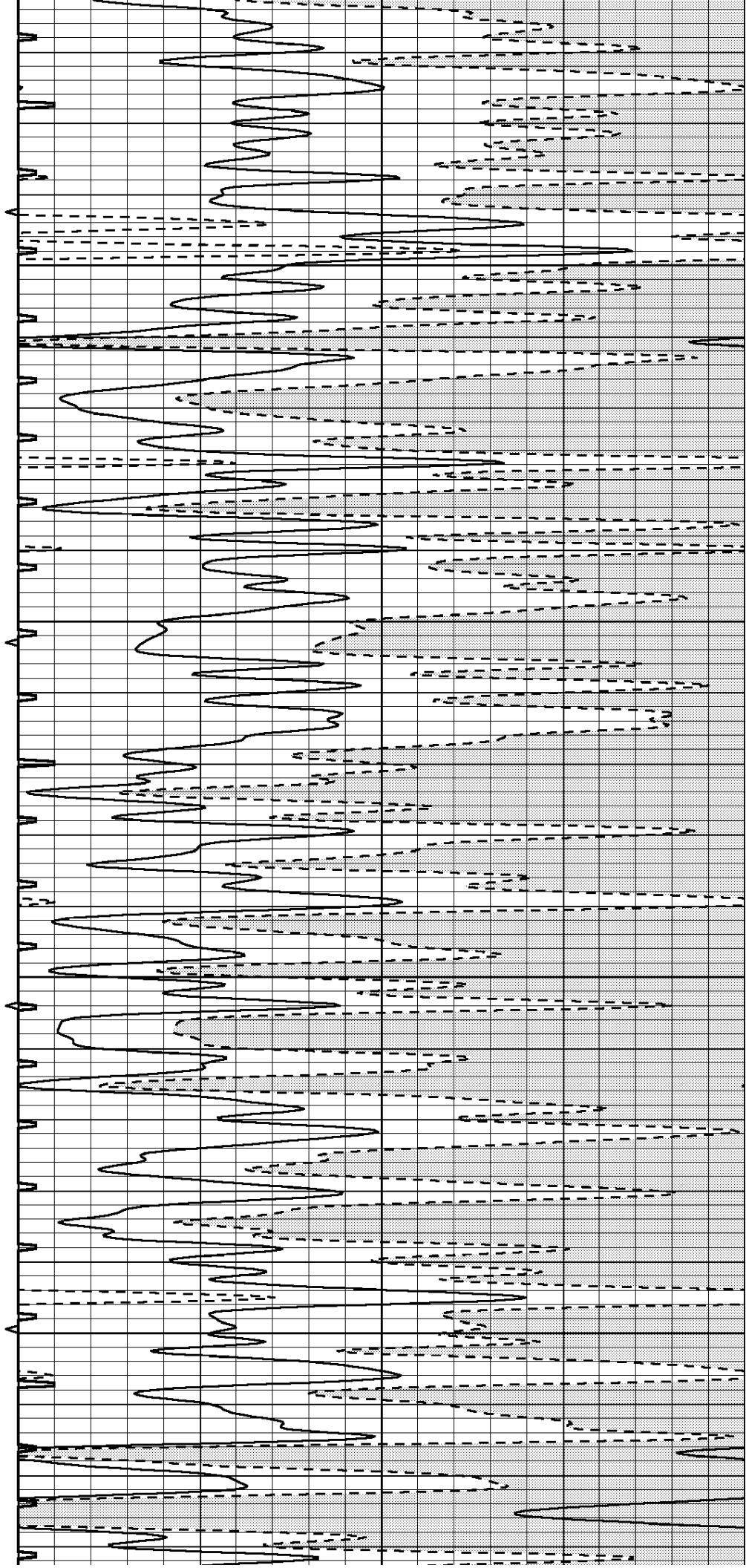


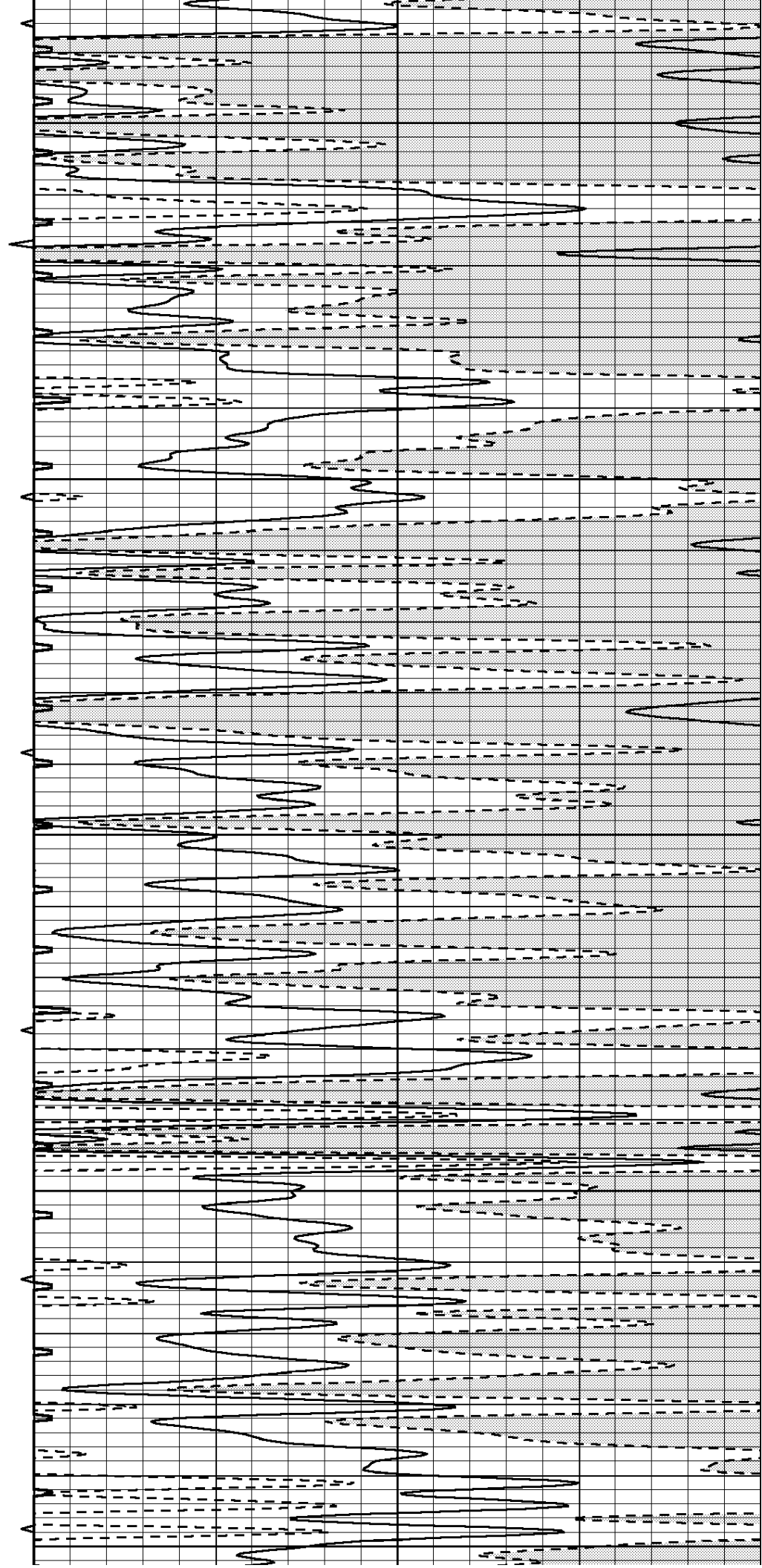
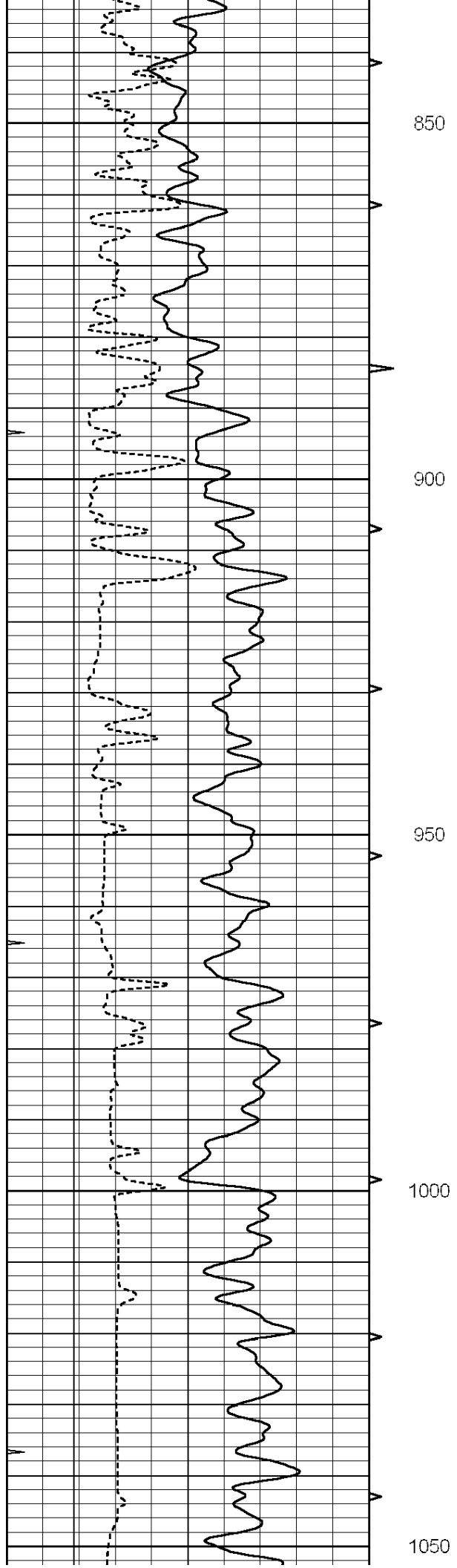
650

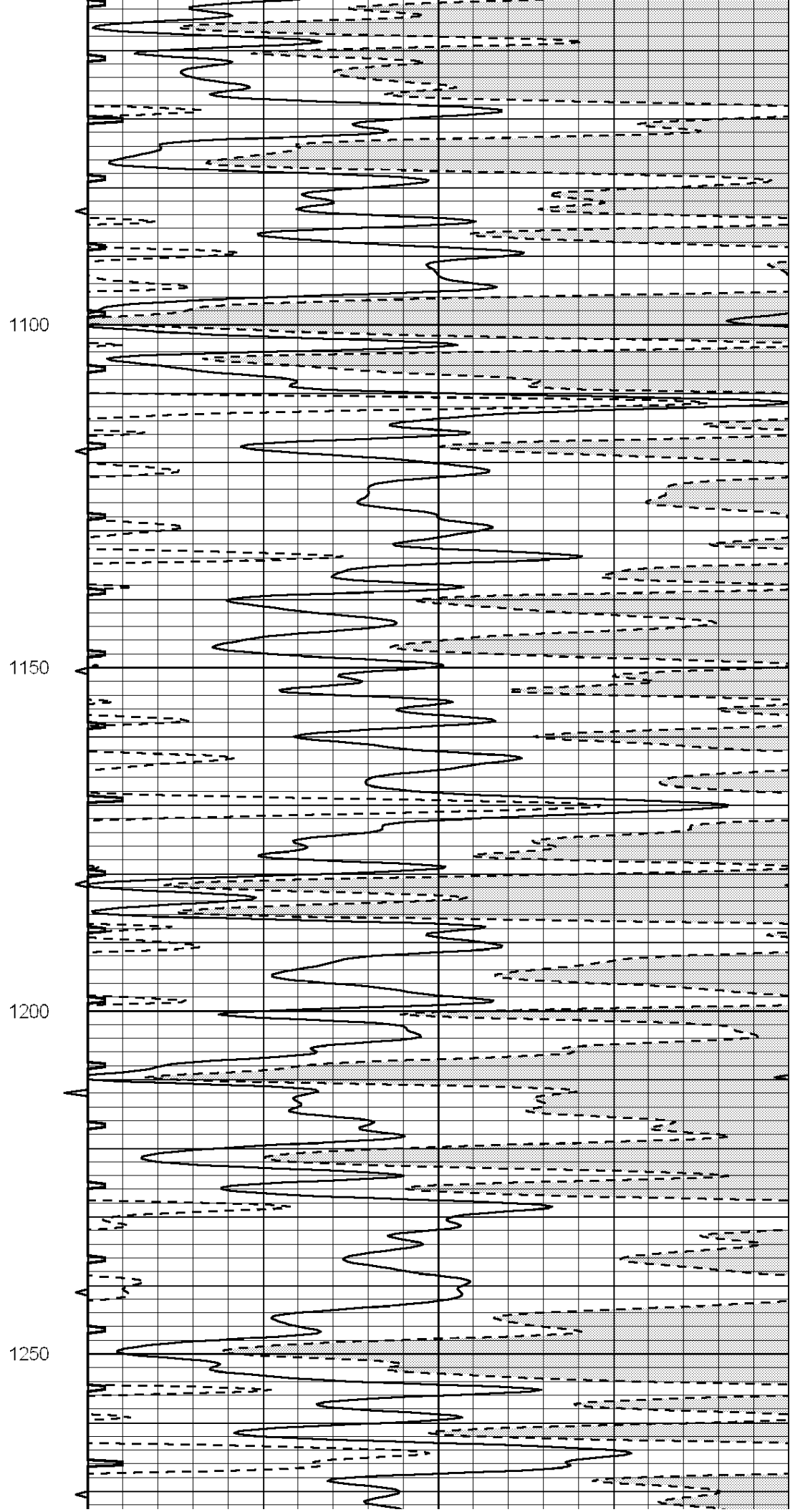
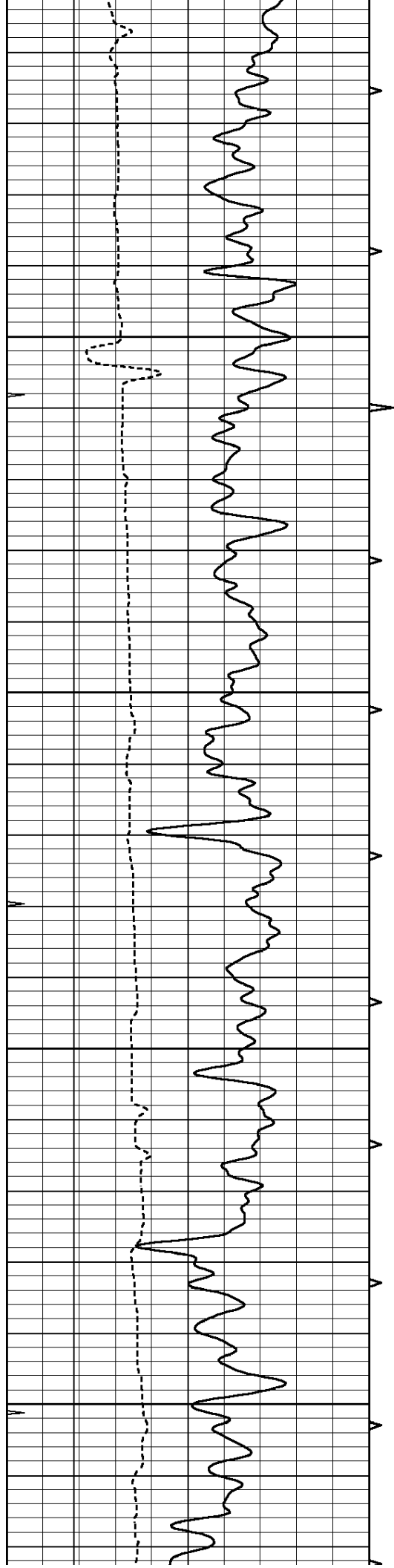
700

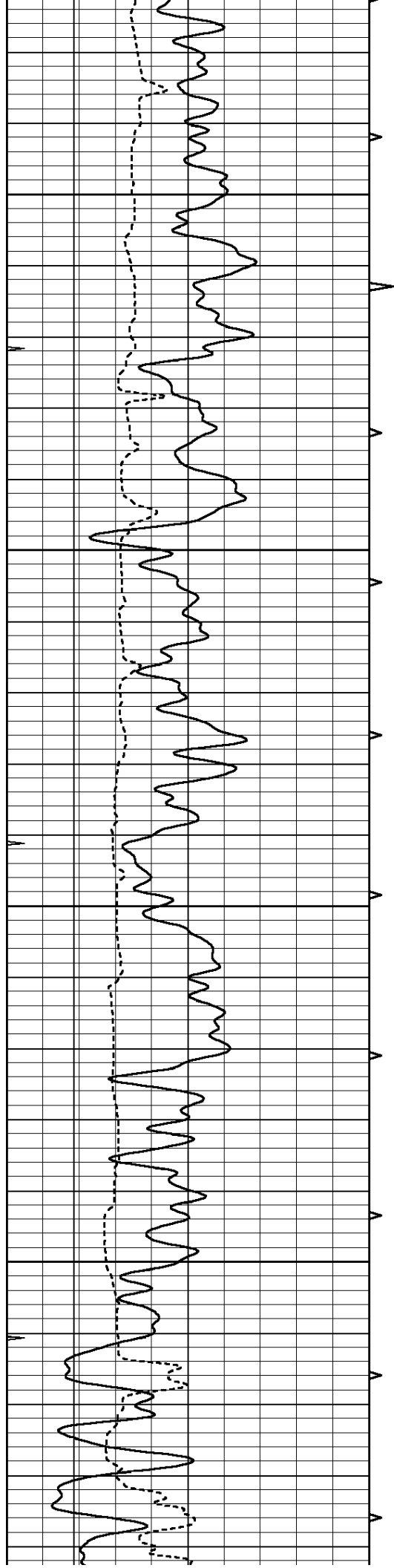
750

800







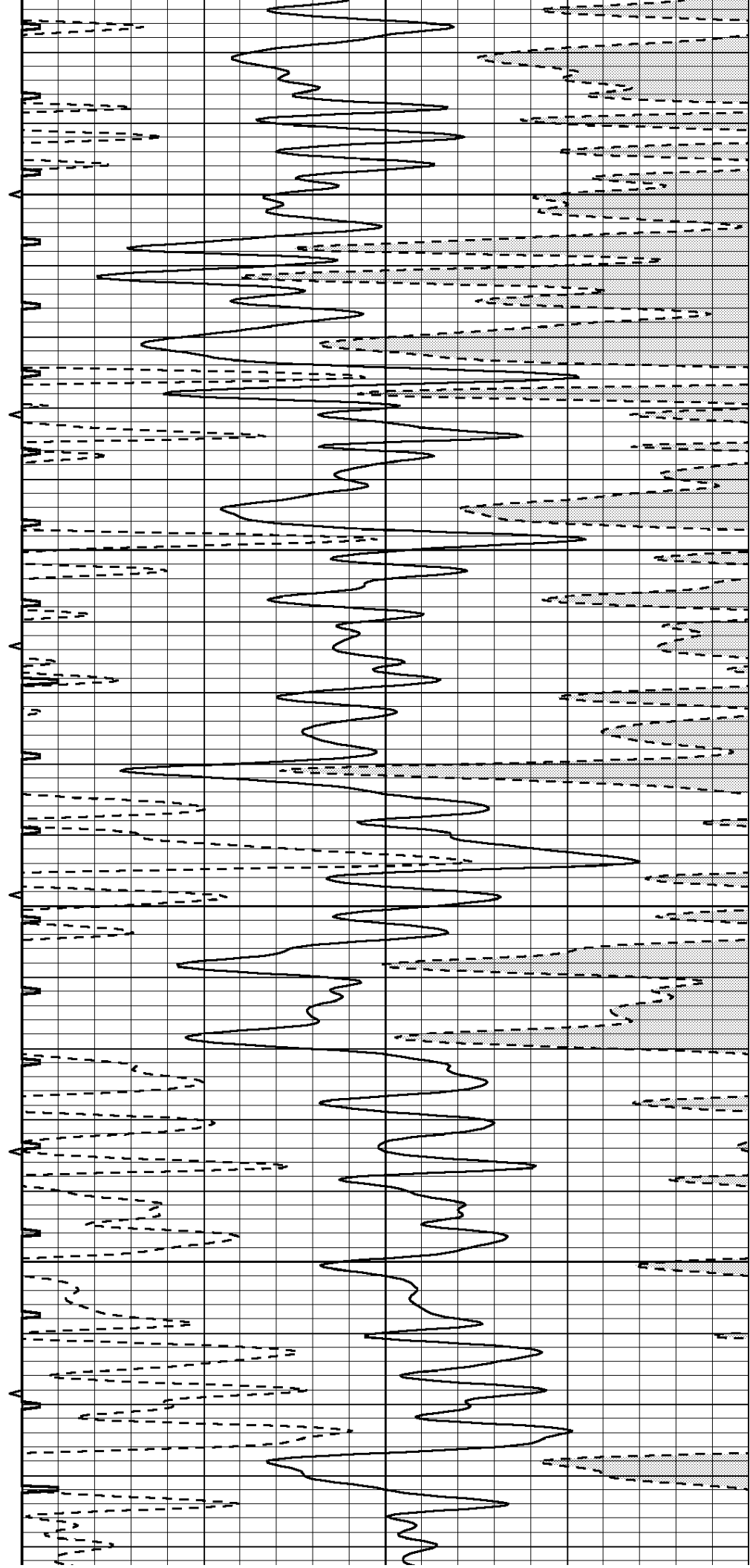


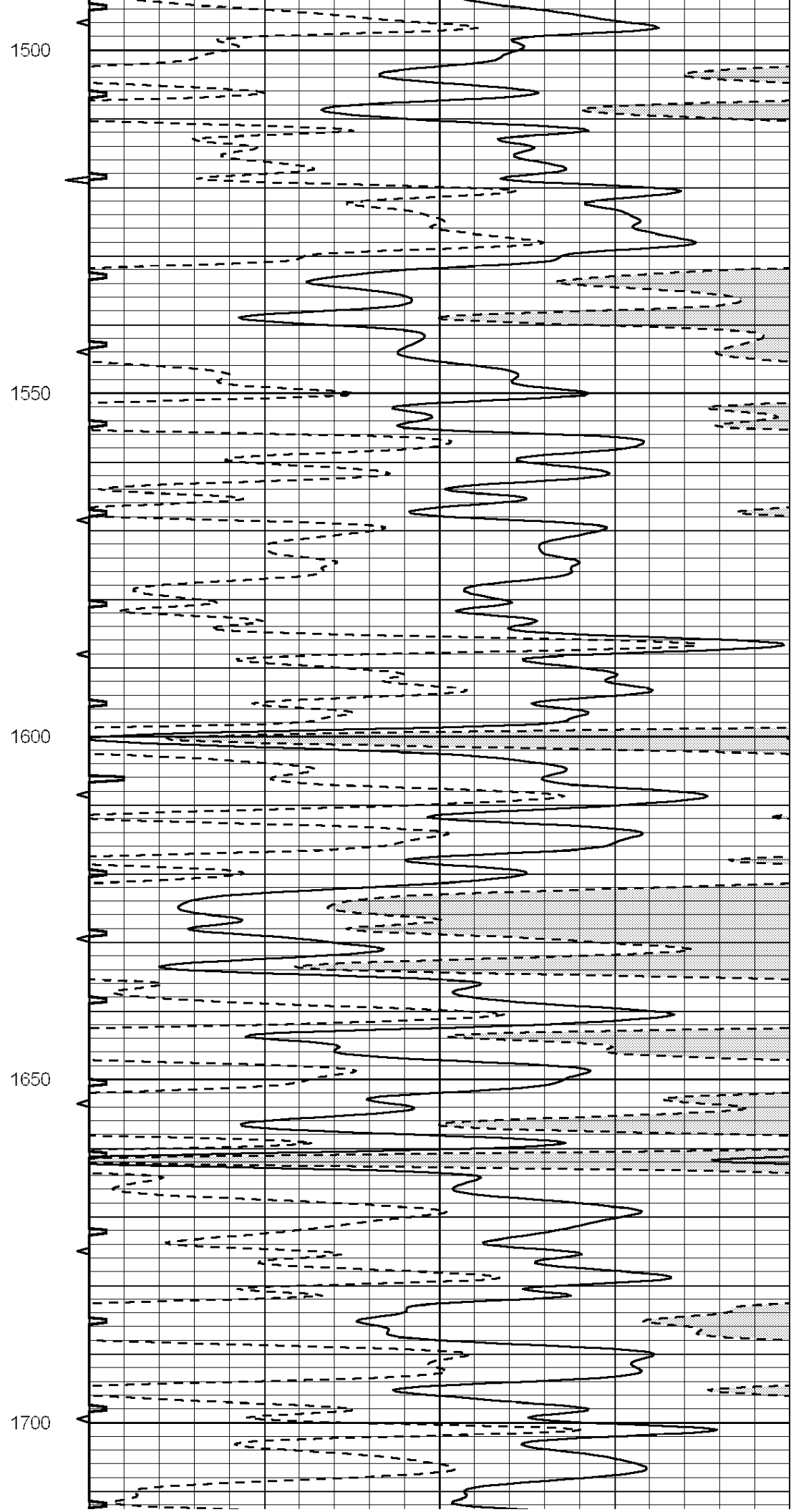
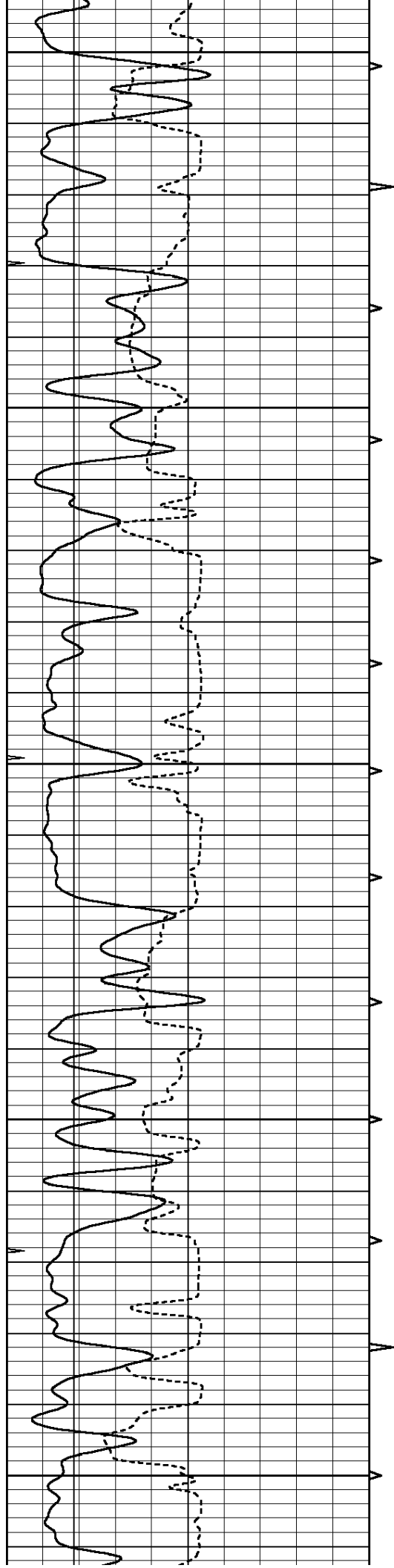
1300

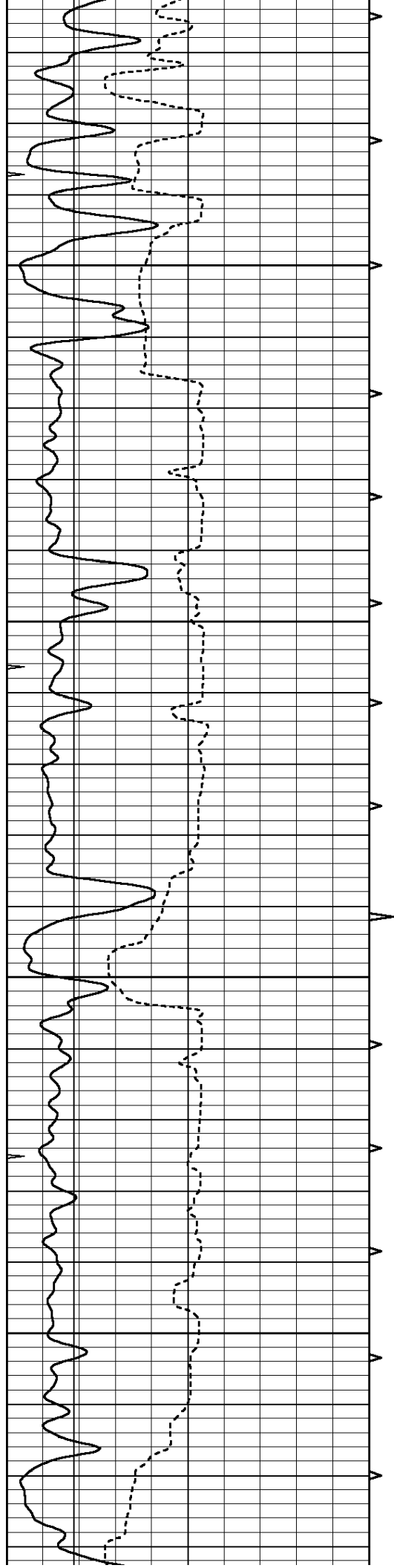
1350

1400

1450





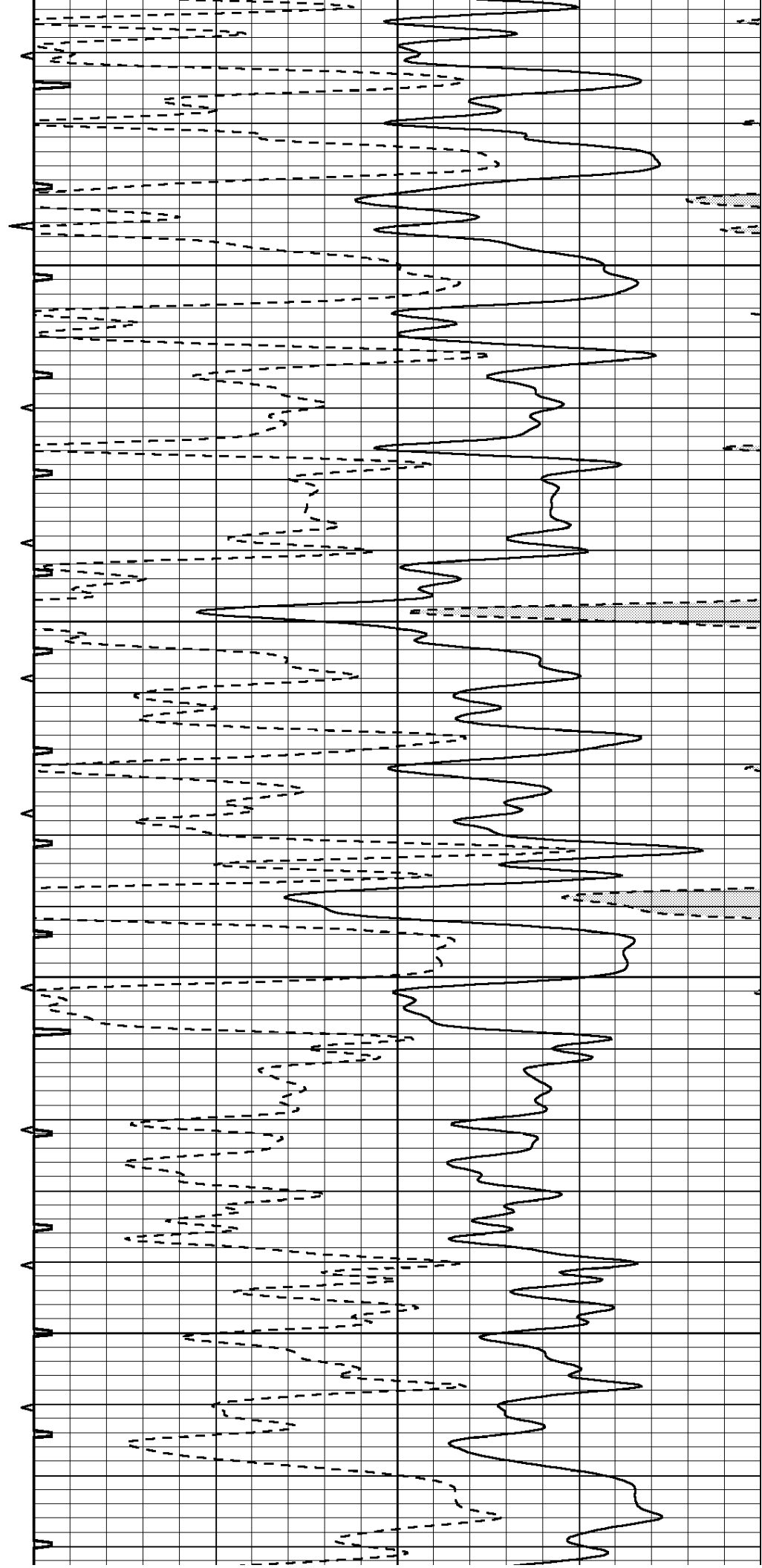


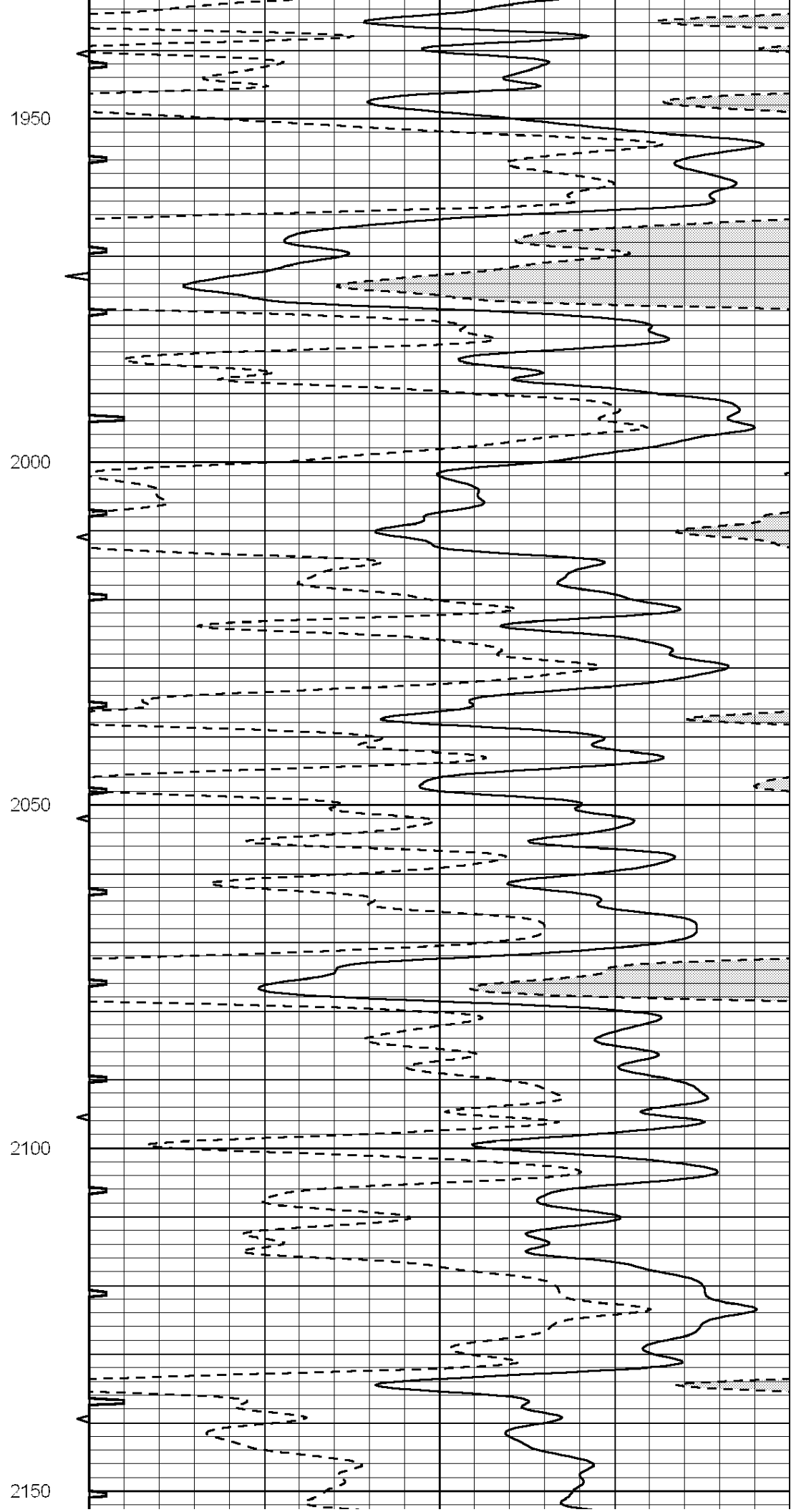
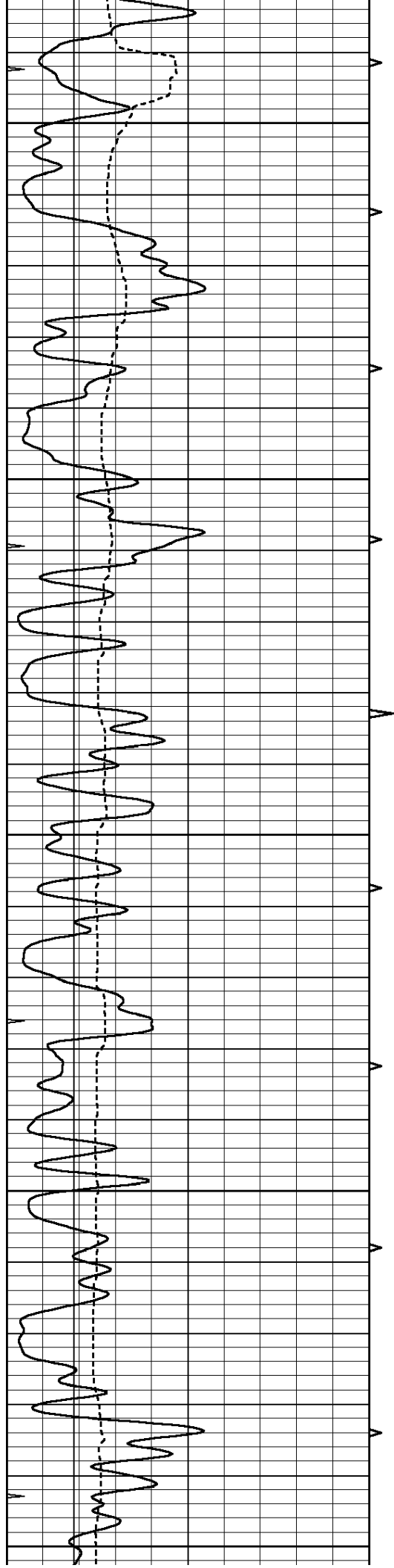
1750

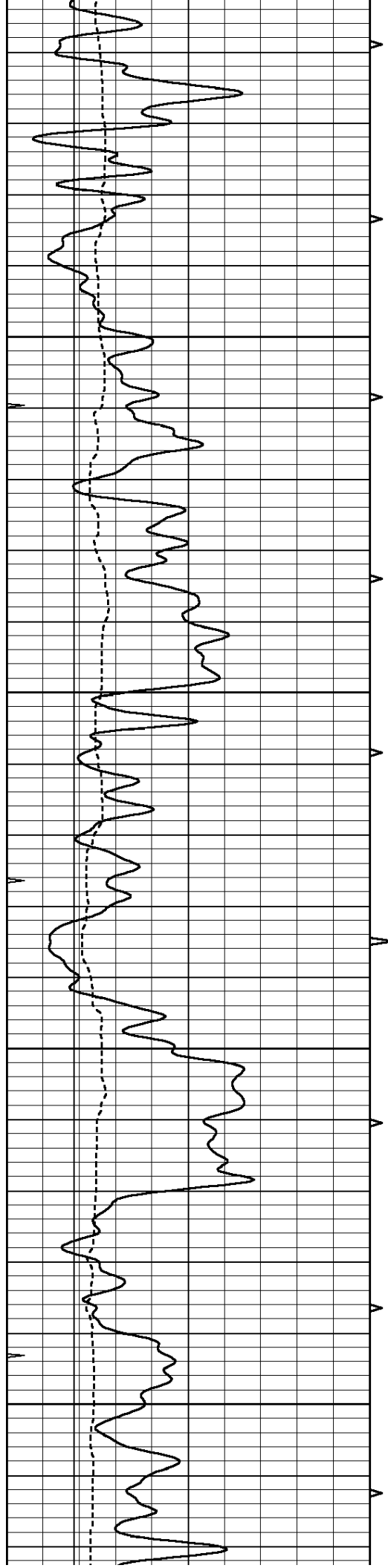
1800

1850

1900





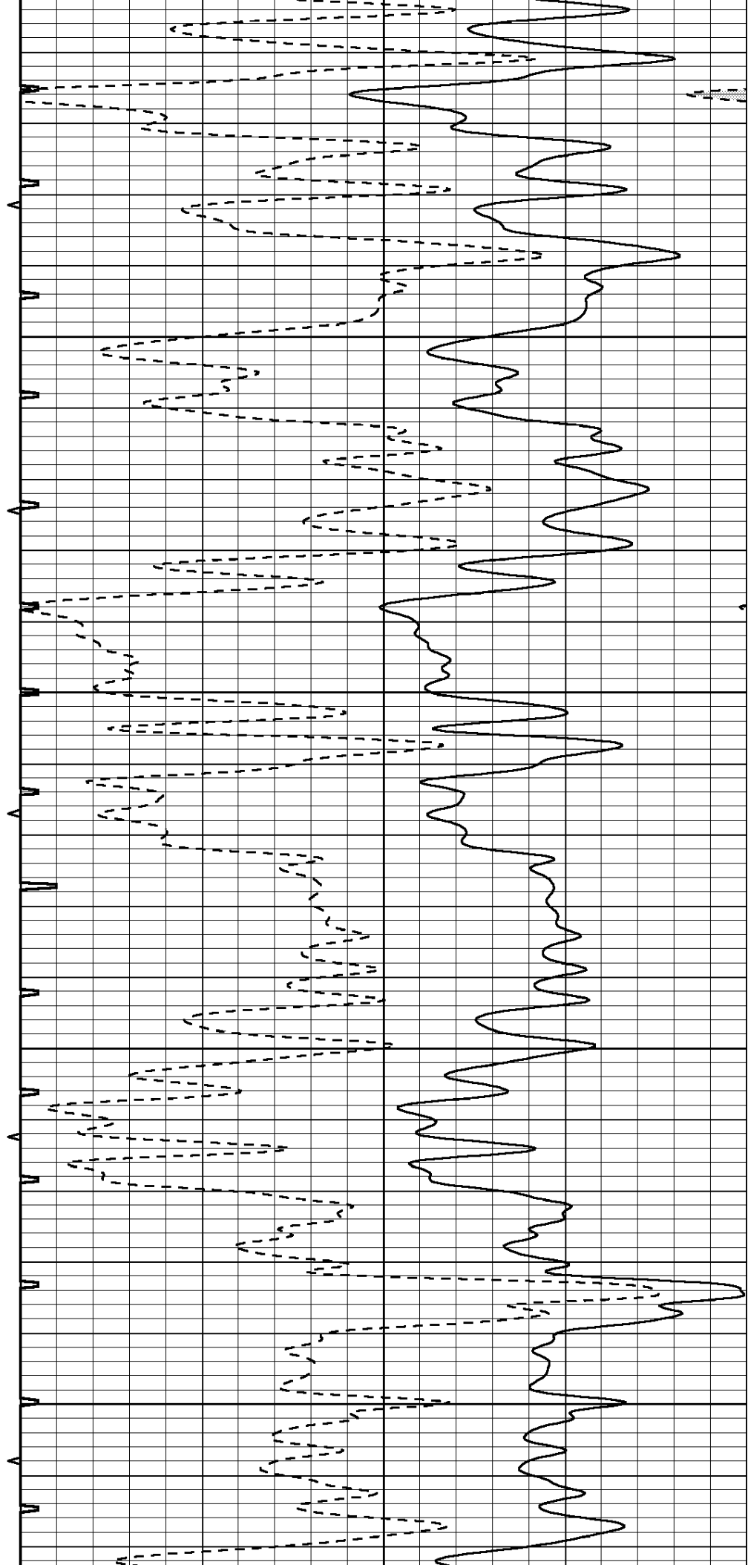


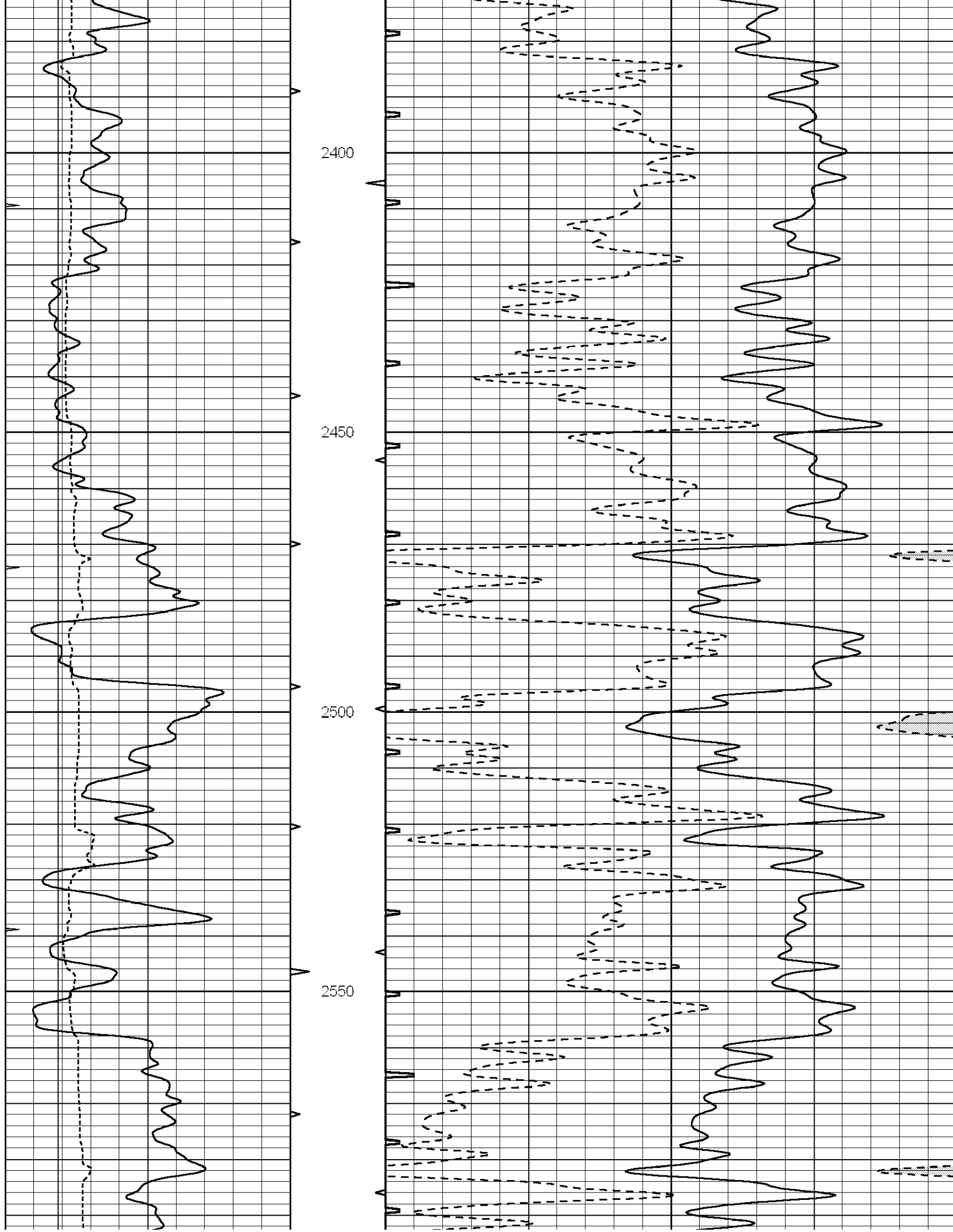
2200

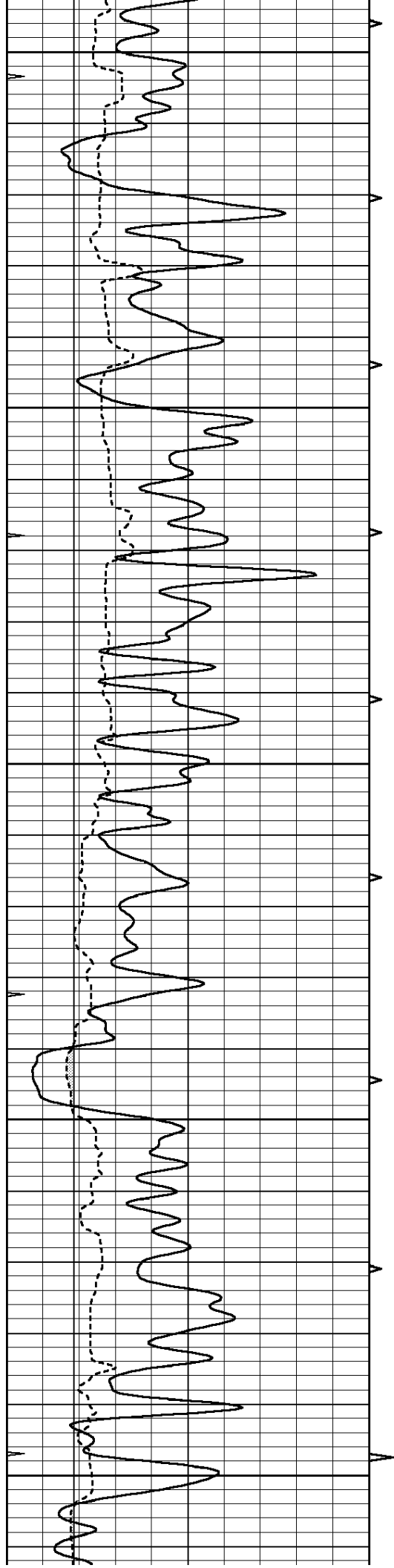
2250

2300

2350







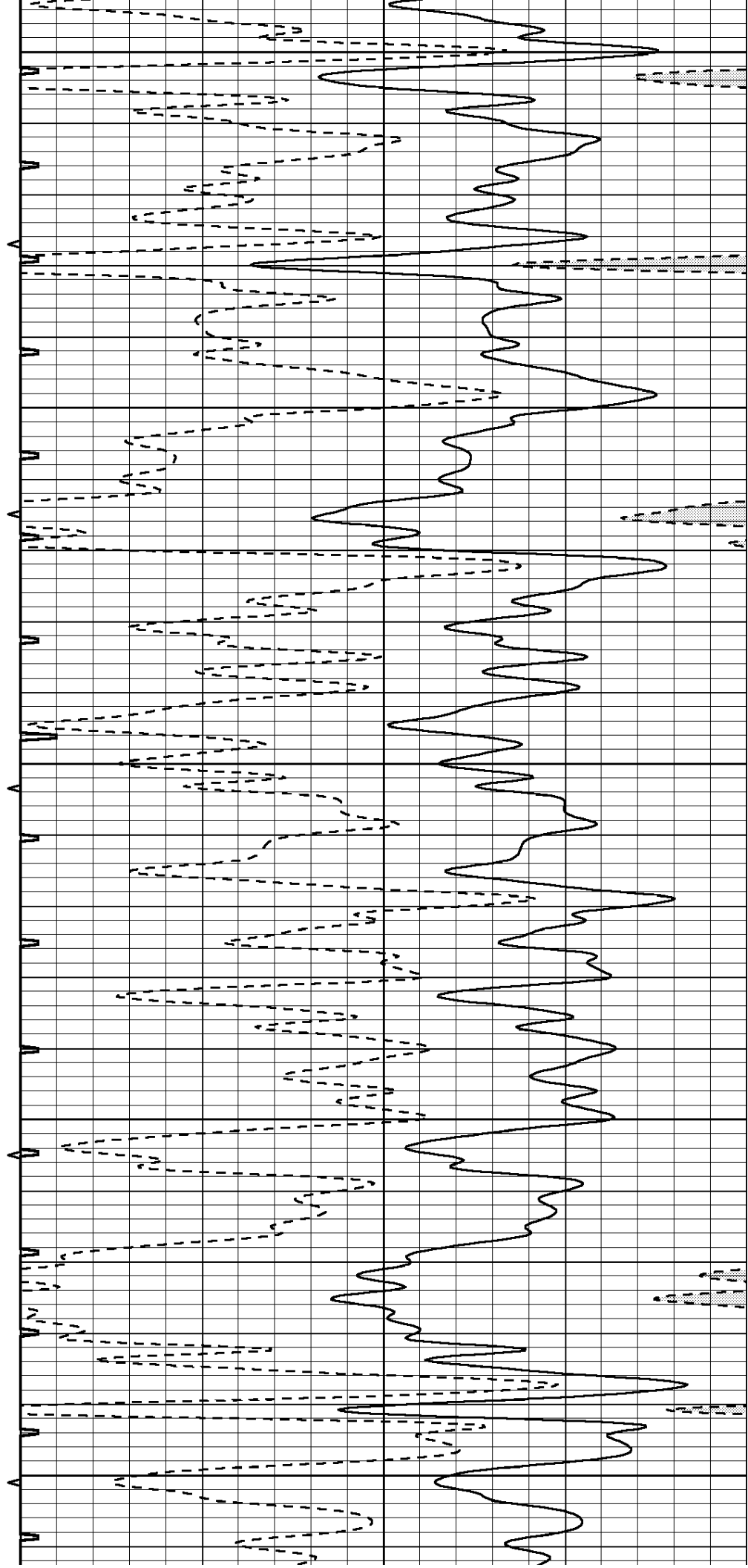
2600

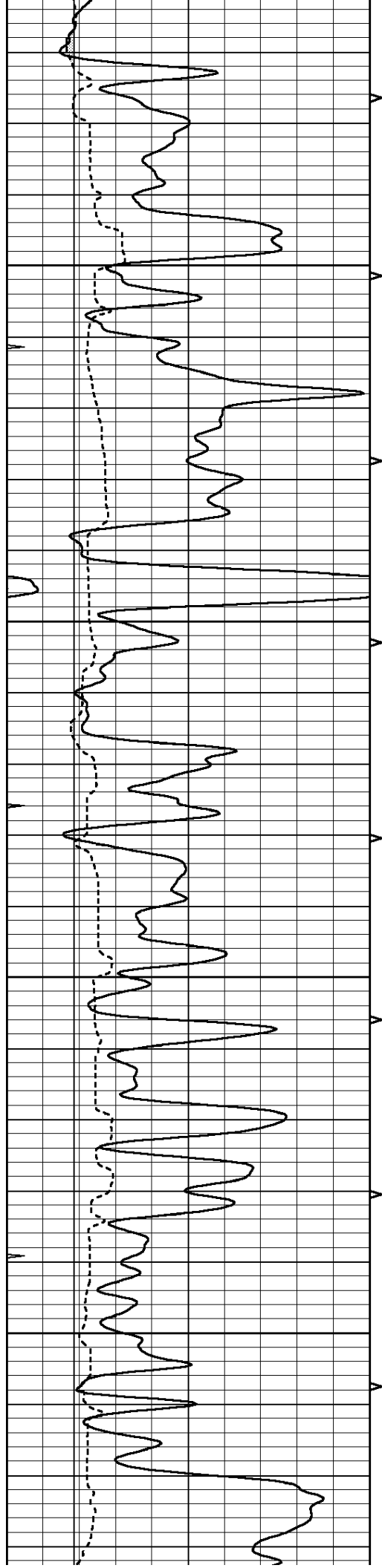
2650

2700

2750

2800



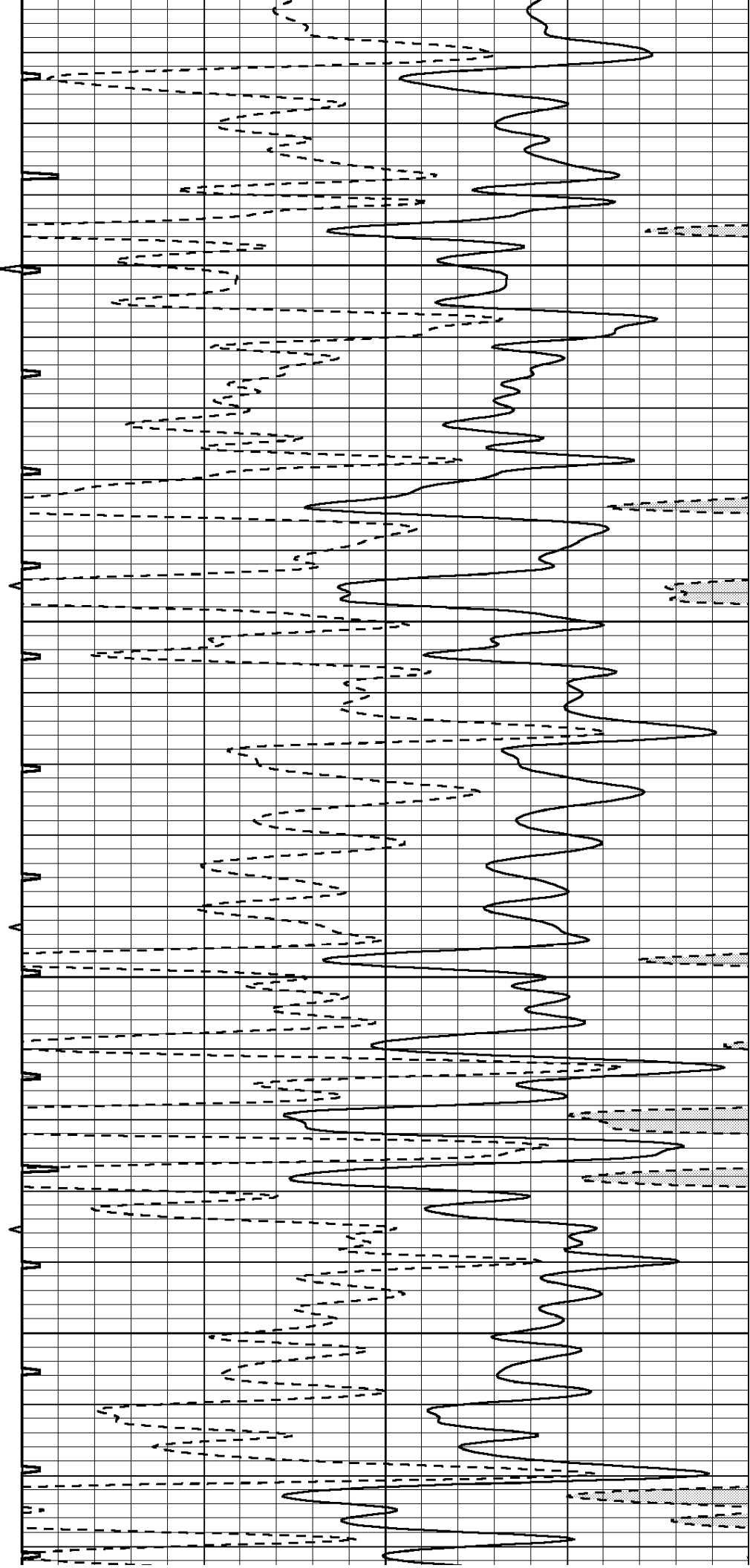


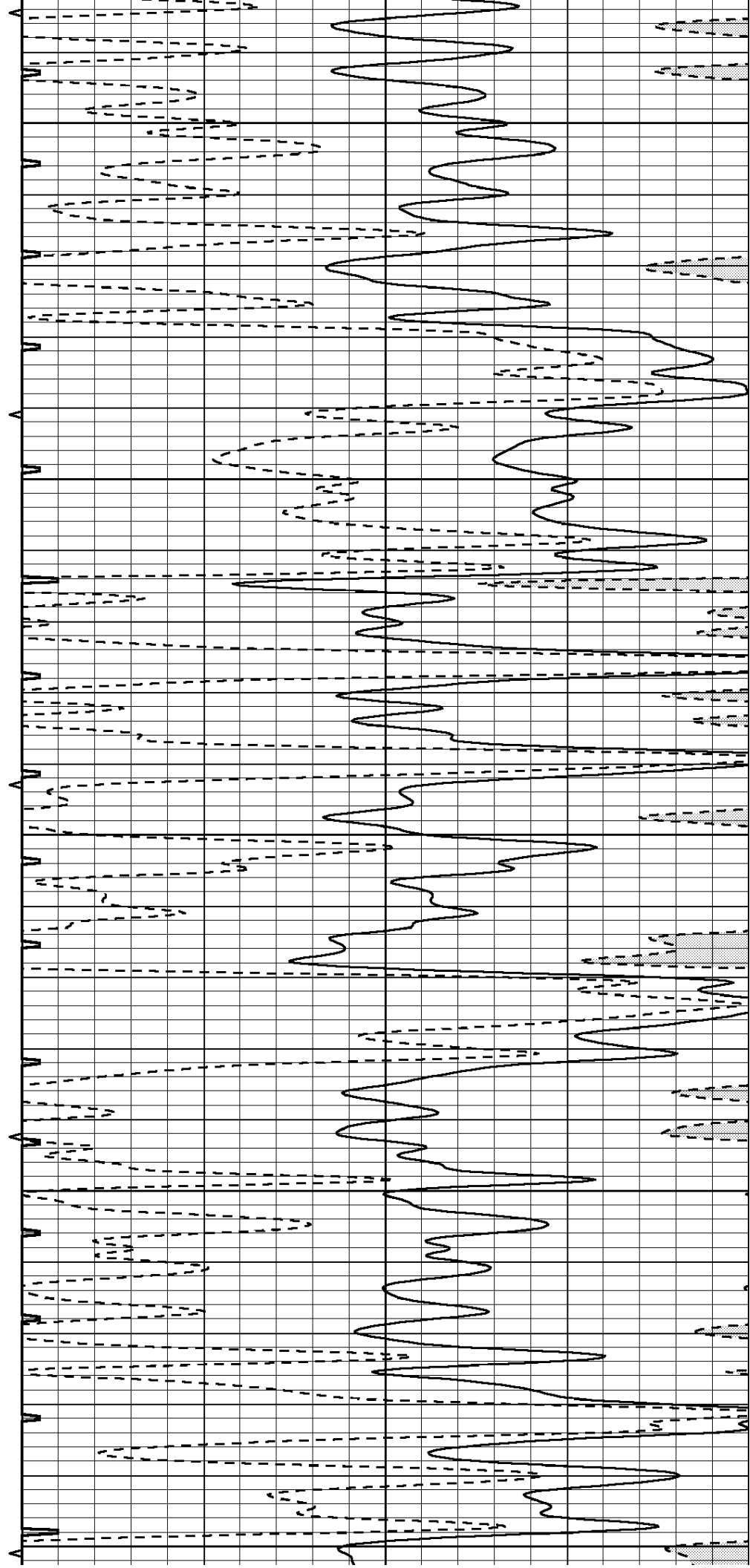
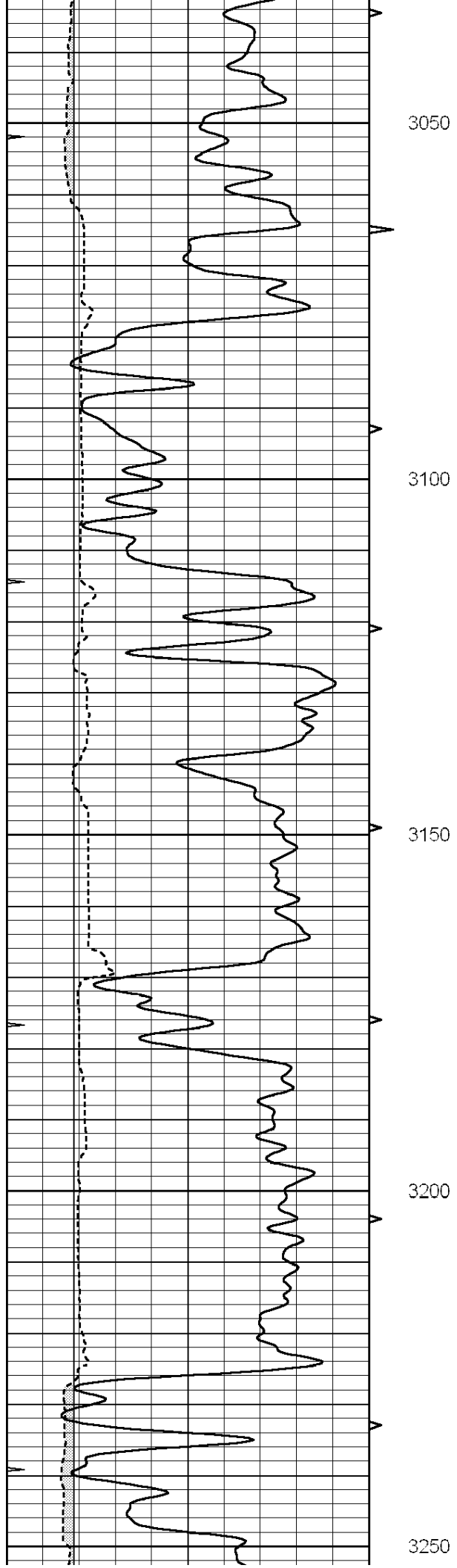
2850

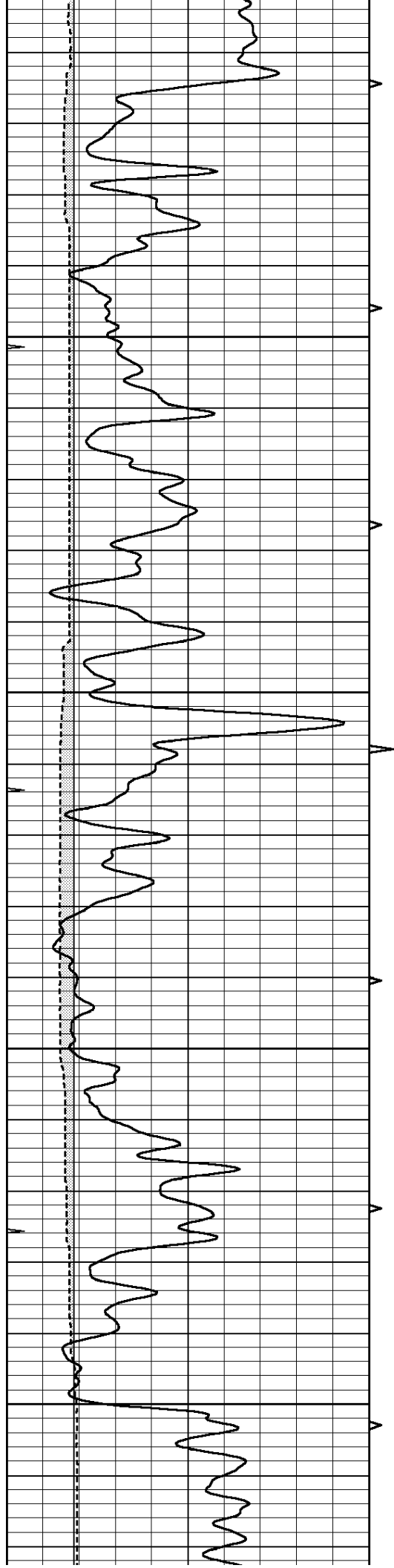
2900

2950

3000





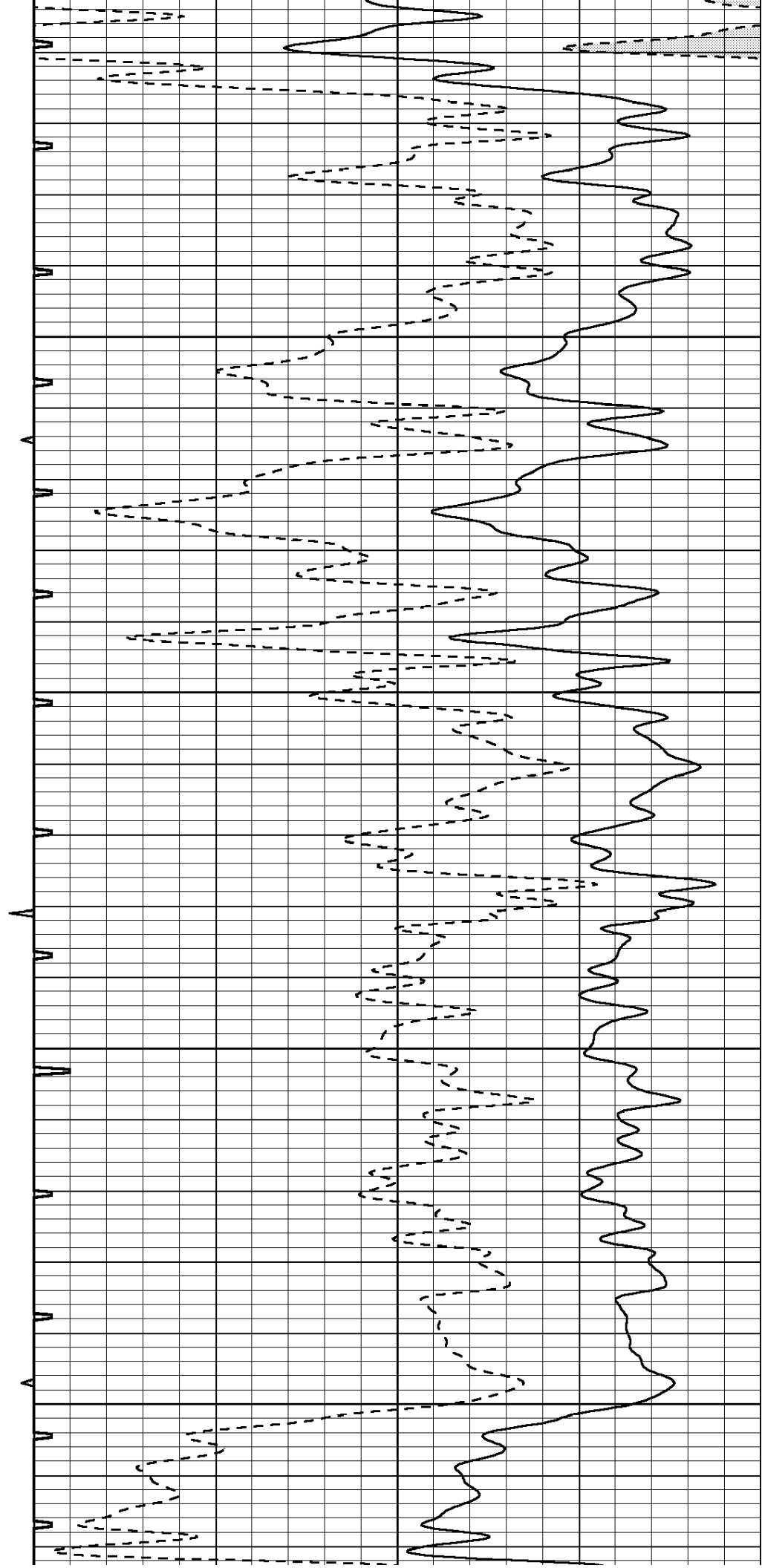


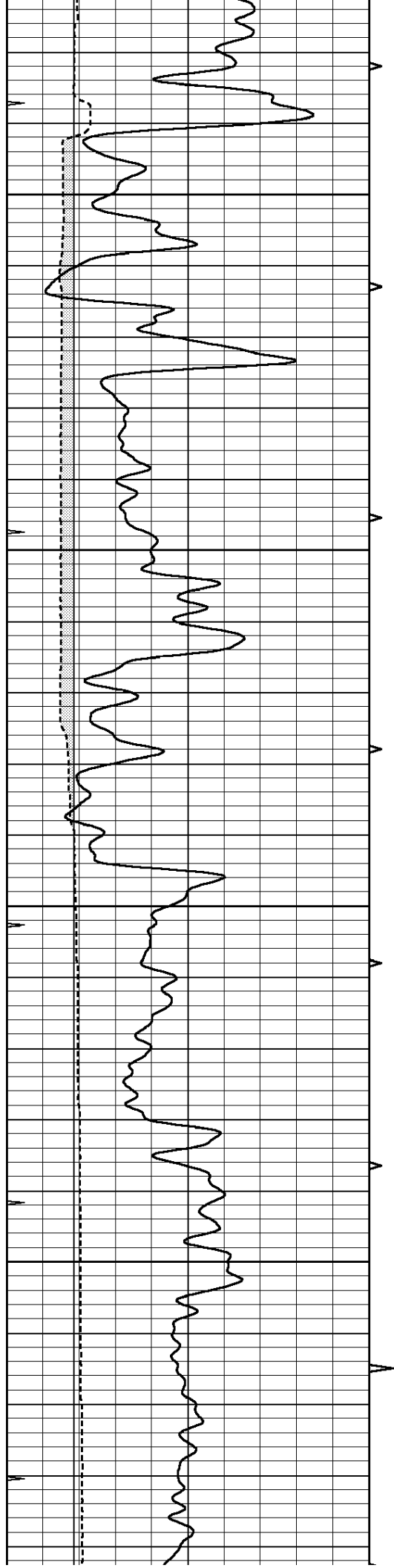
3300

3350

3400

3450



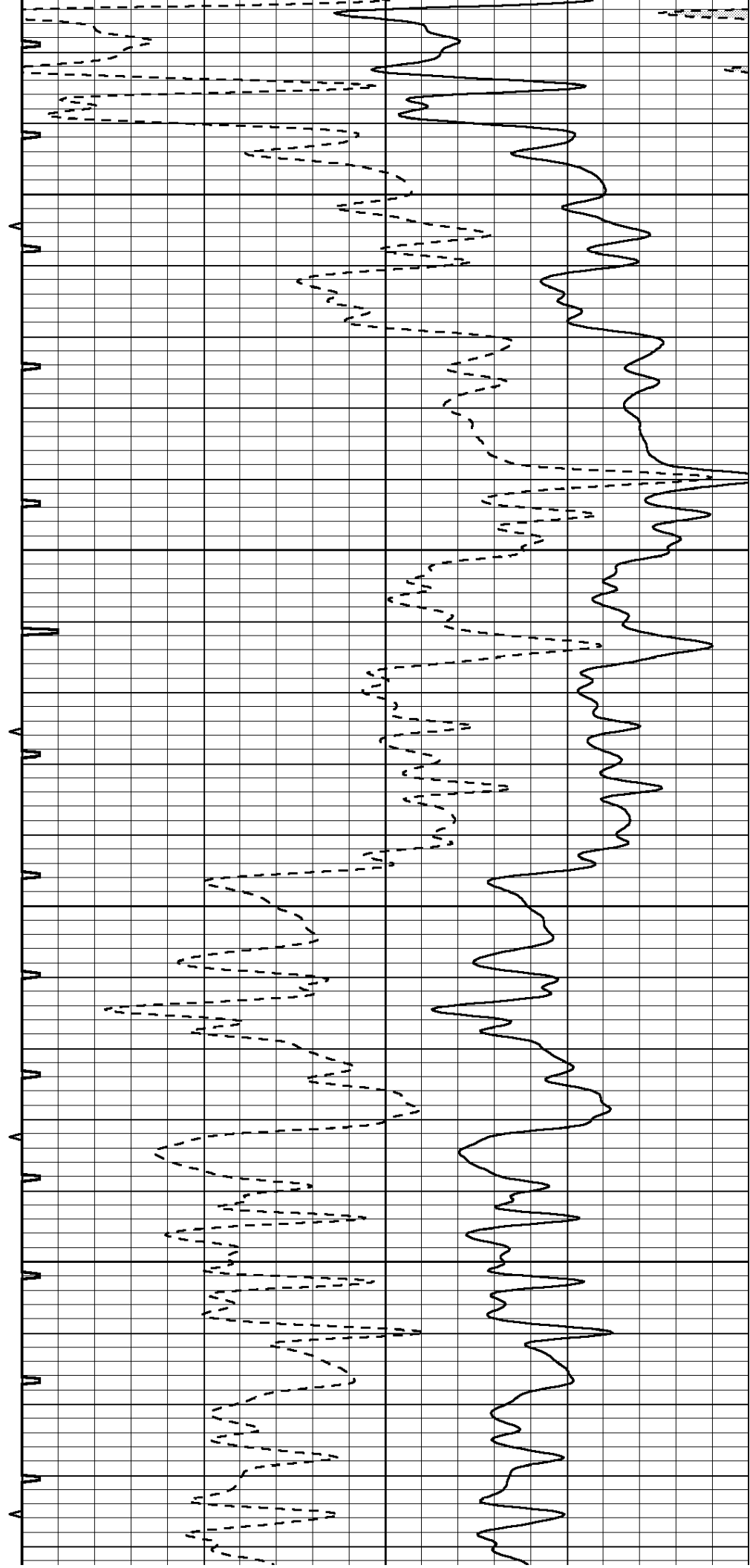


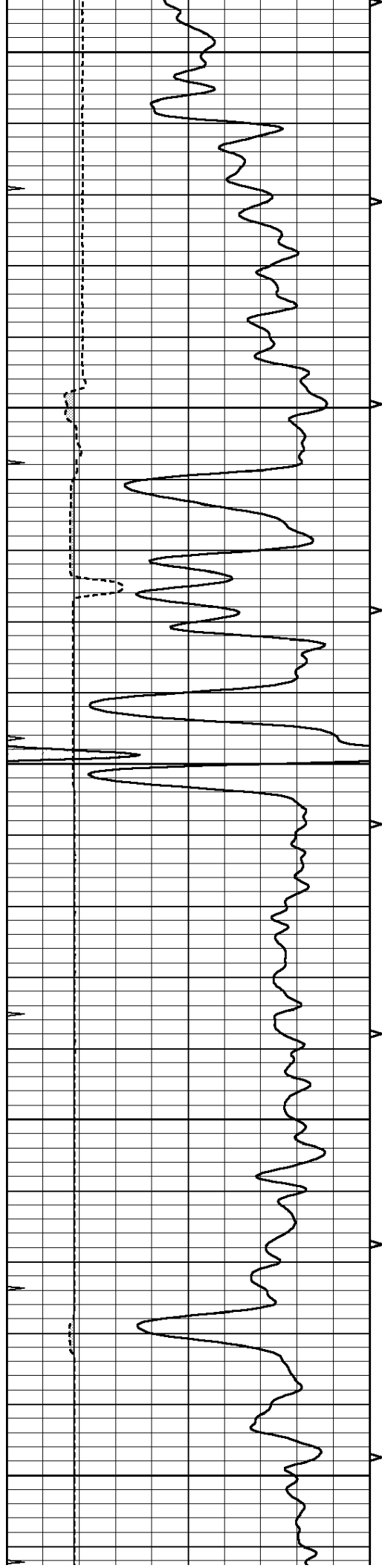
3500

3550

3600

3650





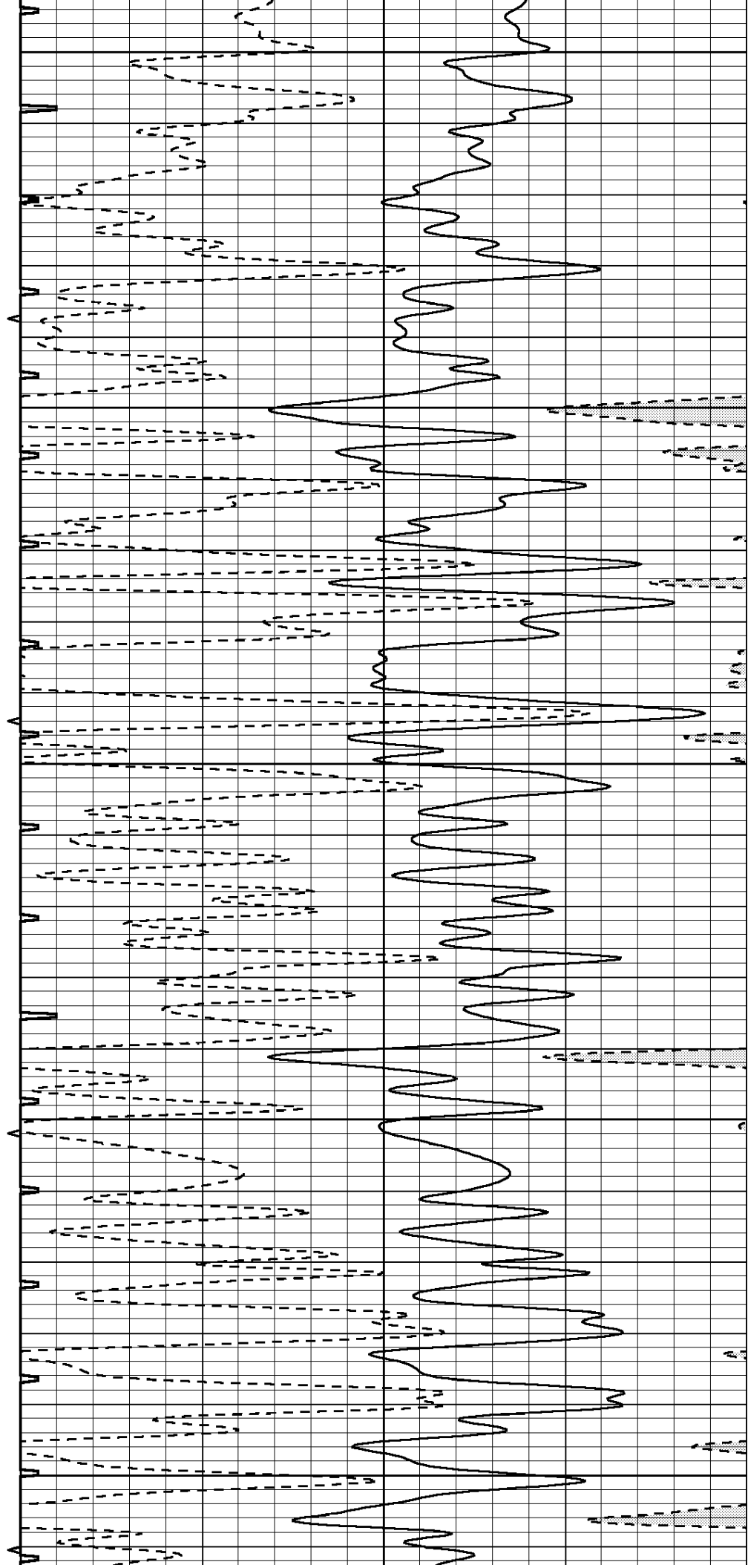
3700

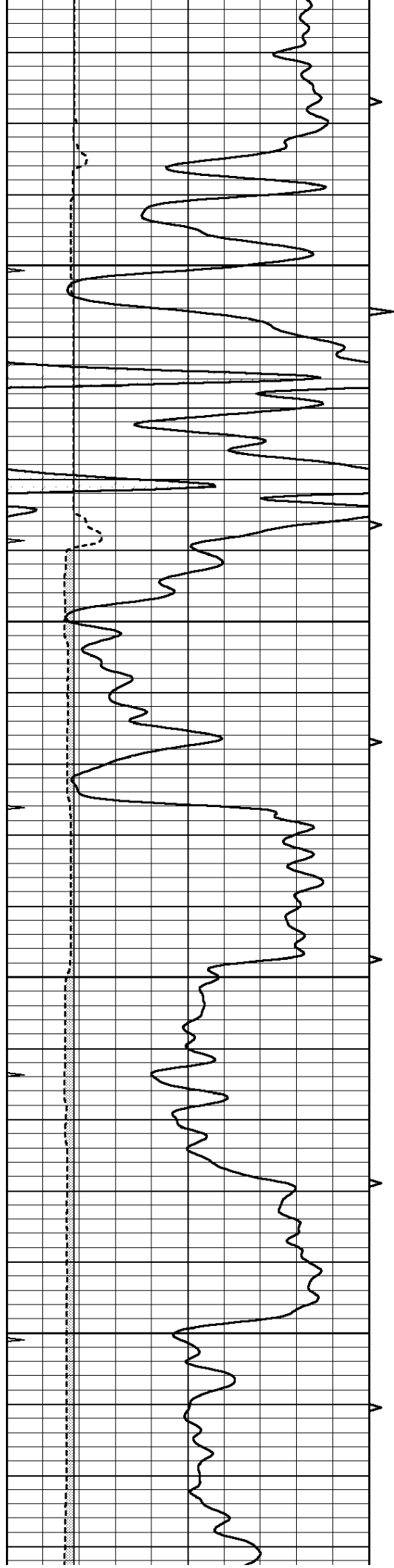
3750

3800

3850

3900



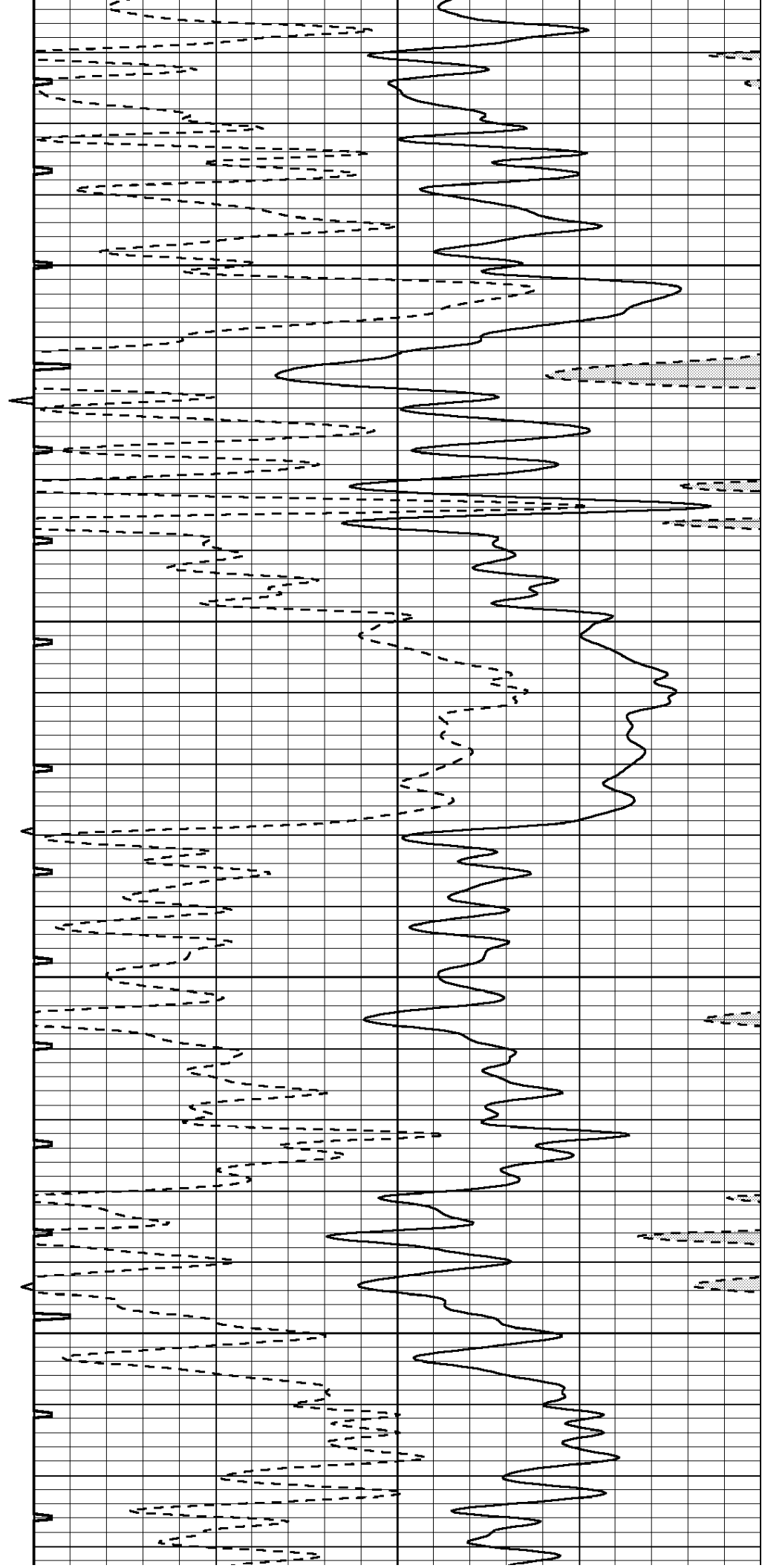


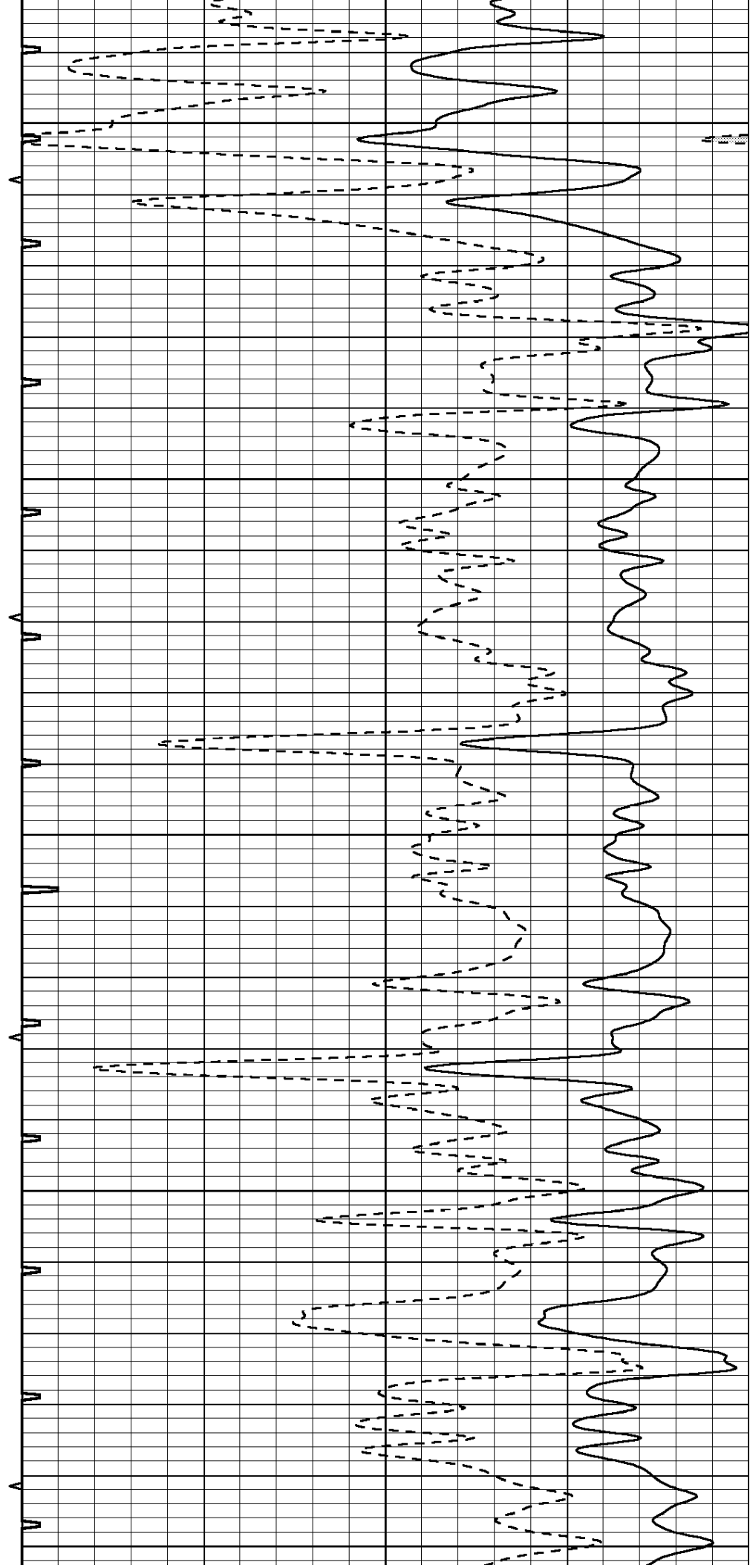
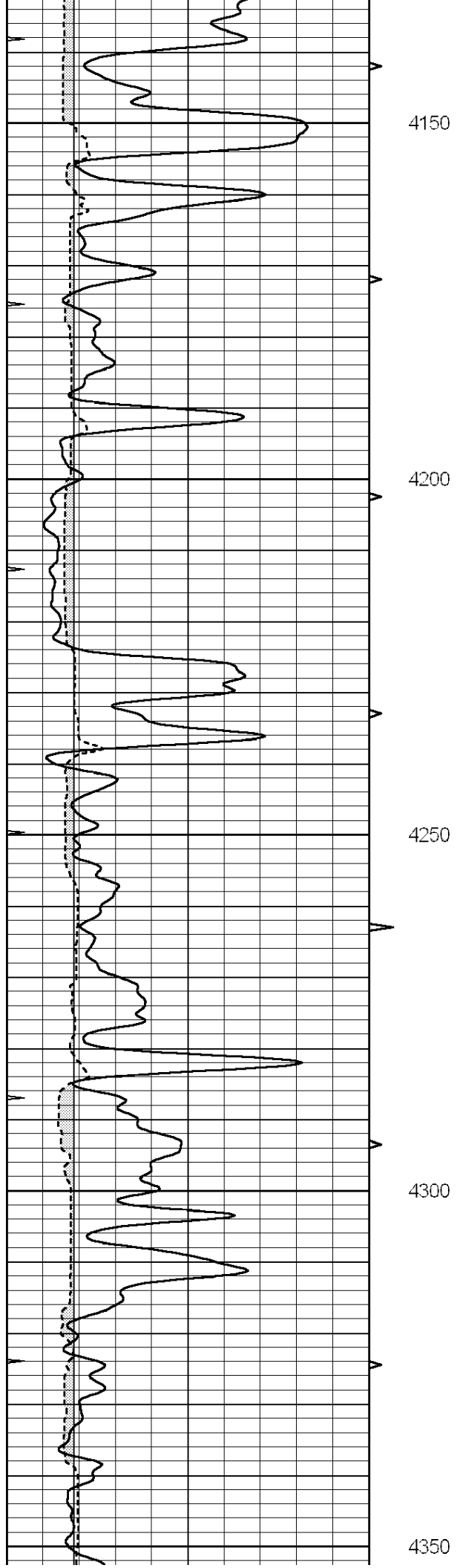
3950

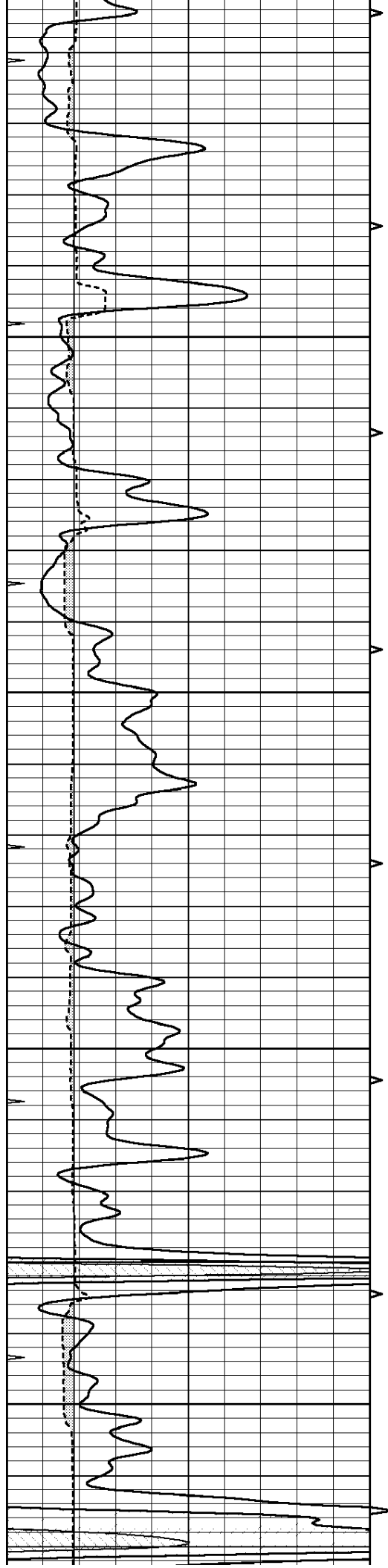
4000

4050

4100





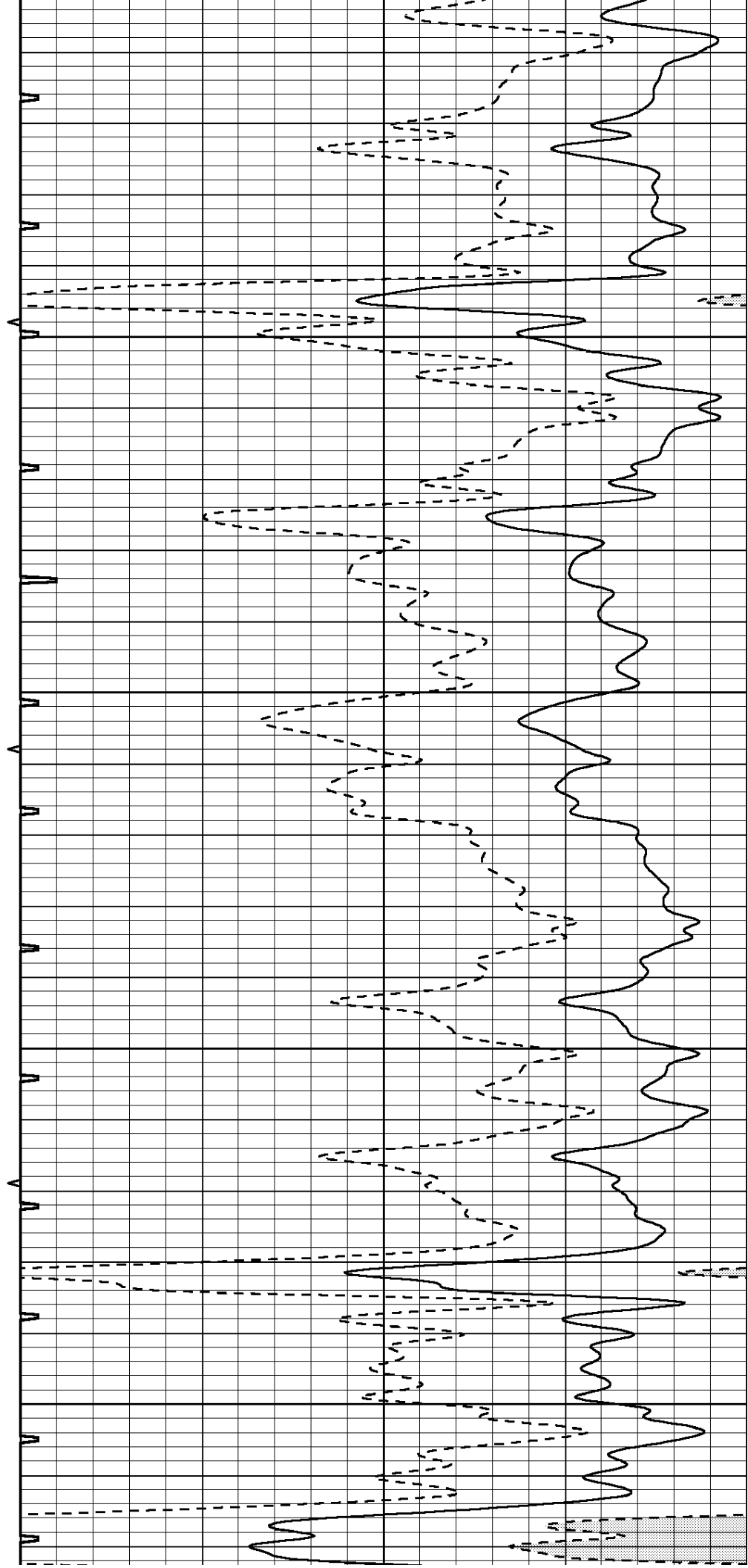


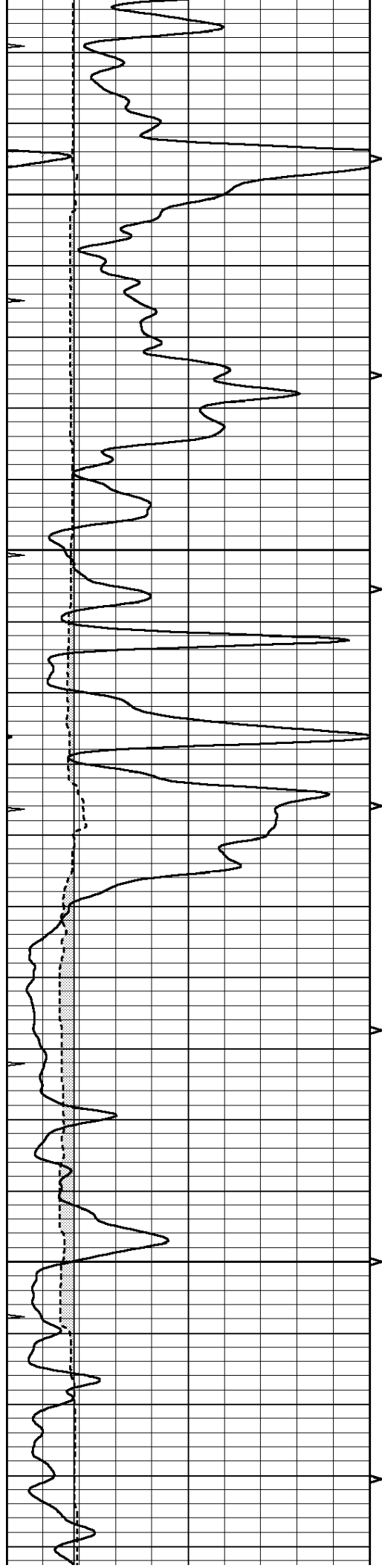
4400

4450

4500

4550



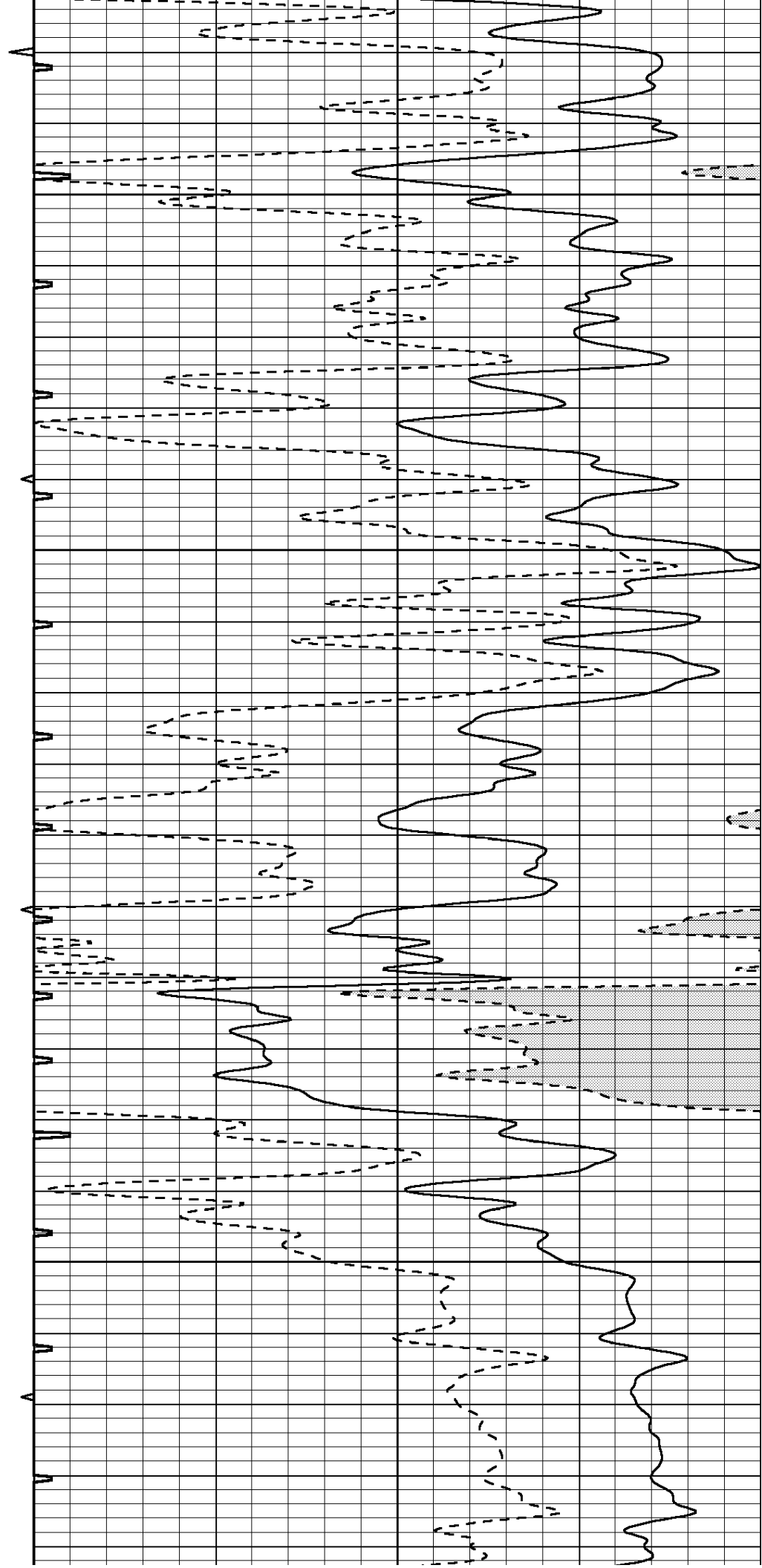


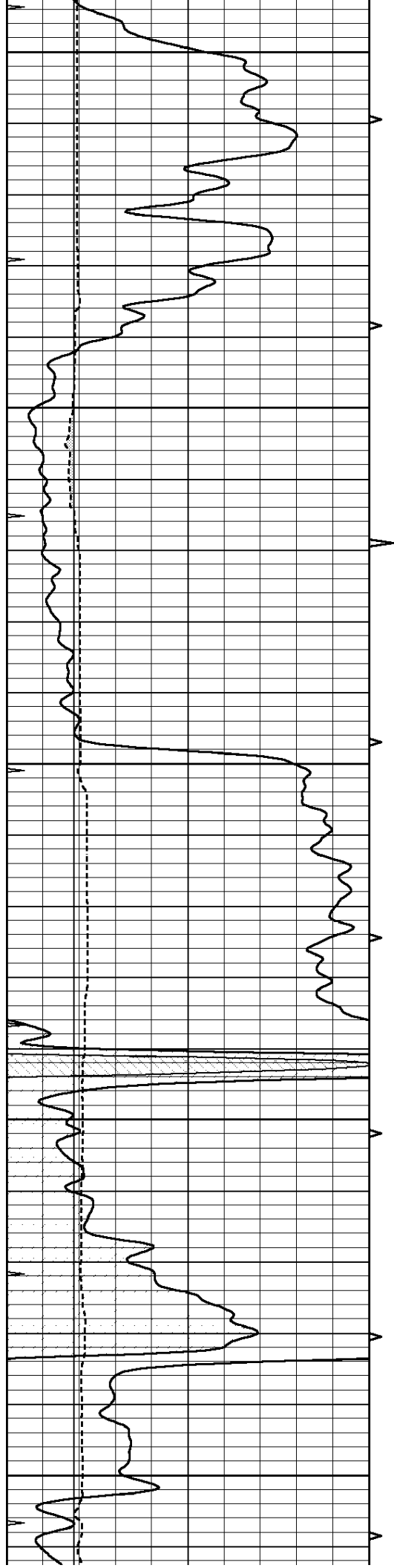
4600

4650

4700

4750





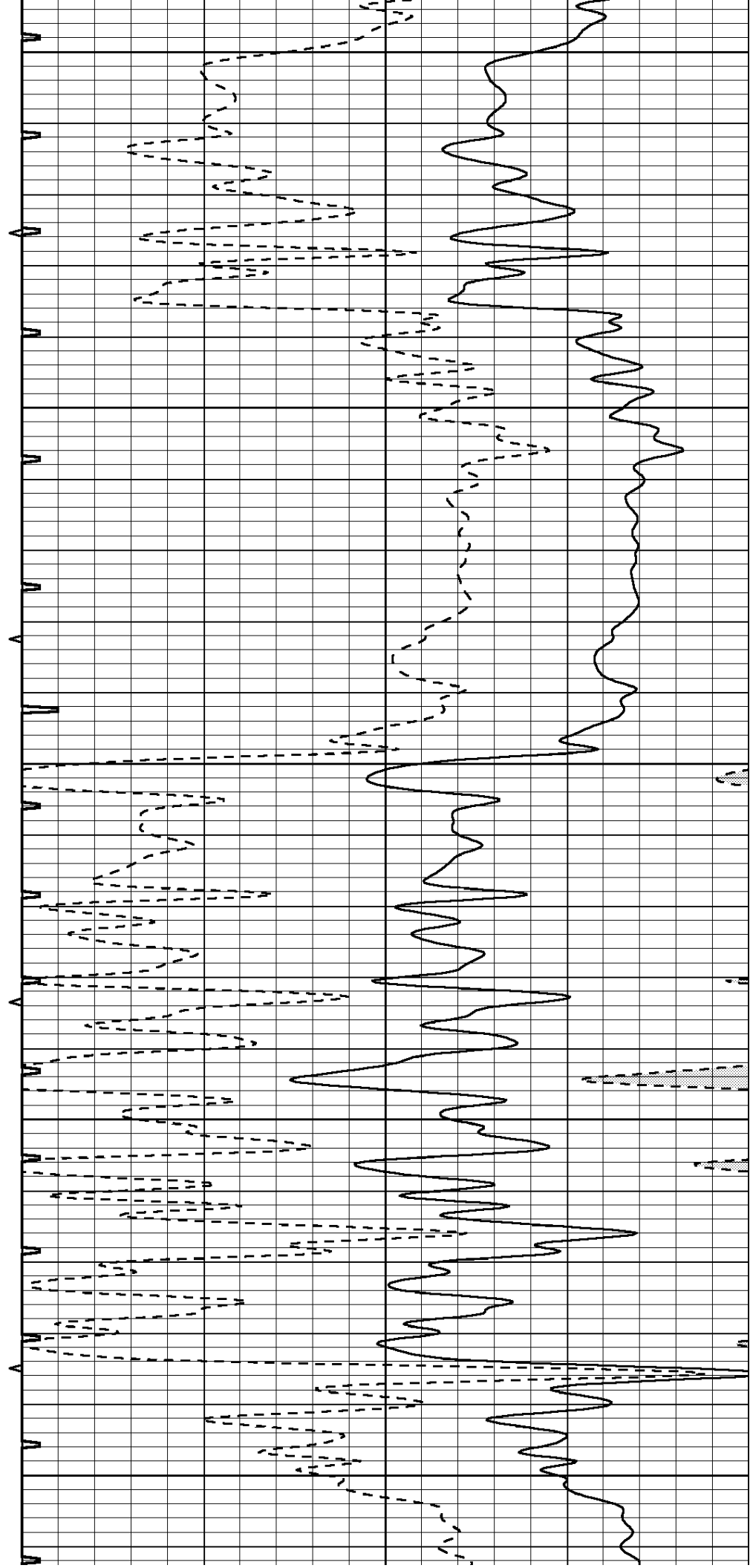
4800

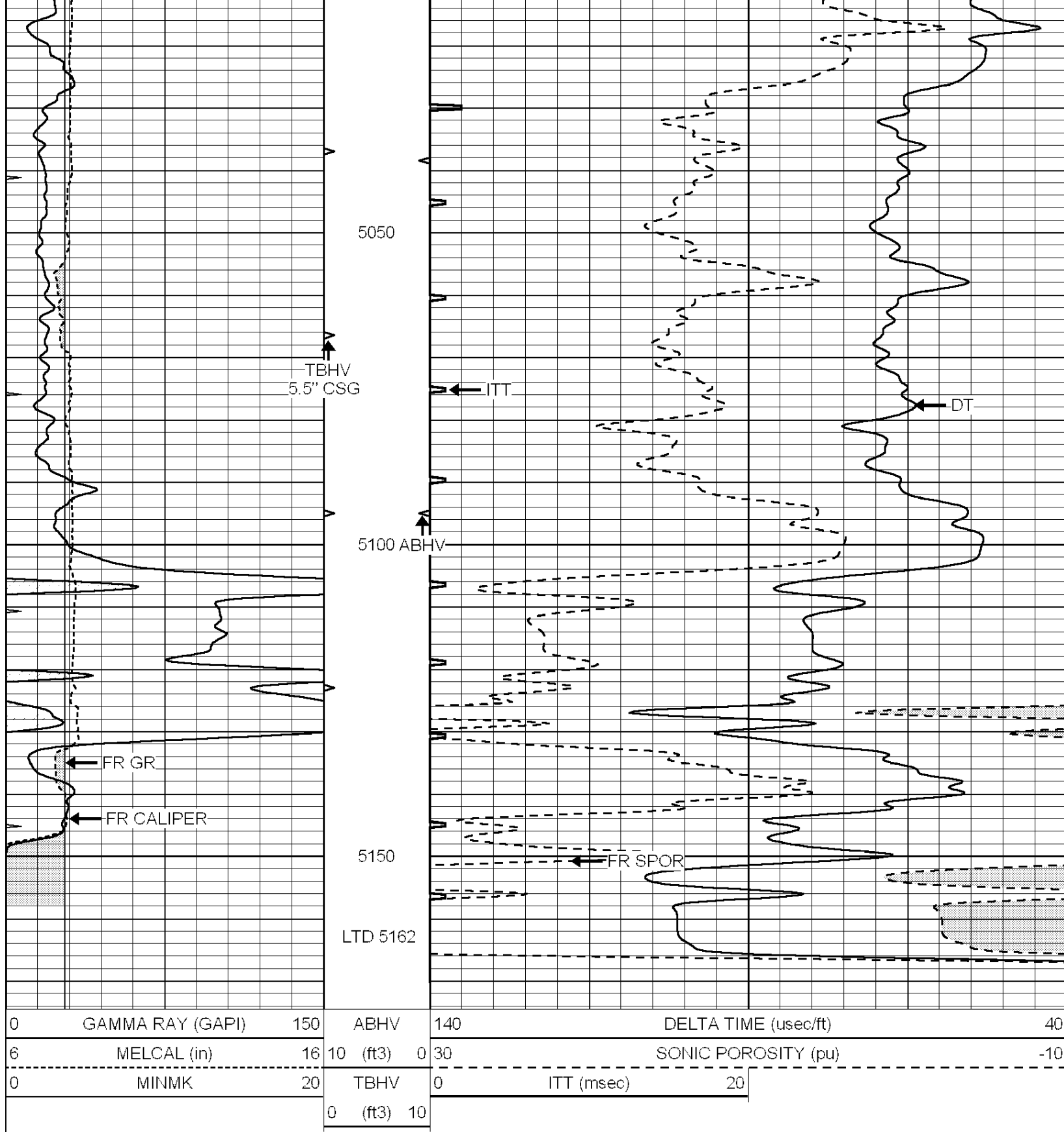
4850

4900

4950

5000





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

