



**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company EDISON OPERATING COMPANY, LLC.
Well MILLER TRUST #1-13
Field WILDCAT
County GOVE
State KANSAS

Company EDISON OPERATING COMPANY, LLC.
Well MILLER TRUST #1-13
Field WILDCAT
County GOVE State KANSAS

Location: 880' FSL & 1580' FWL
(SW NW SE SW)
APL # : 15-063-22096-0000
SEC 13 TWP 15S RGE 31W
Permanent Datum GROUND LEVEL Elevation 2612
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL/PE
DIL
Elevation
K.B. 2617
D.F. 2615
G.L. 2612

Date	4/24/13
Run Number	TWO
Depth Driller	4351
Depth Logger	4350
Bottom Logged Interval	4340
Top Log Interval	250
Casing Driller	8 5/8" @ 259
Casing Logger	259
Bit Size	7 7/8
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.4/49
pH / Fluid Loss	10.0/7.2
Source of Sample	FLOWLINE
Rin @ Meas. Temp	1.0 @ 71F
Rmf @ Meas. Temp	.75 @ 71F
Rmc @ Meas. Temp	1.20 @ 71F
Source of Rmf / Rmc	MEASURED
Rim @ BHT	.59 @ 119F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	
Maximum Recorded Temperature	119F
Equipment Number	680
Location	HAYS, KS.
Recorded By	JASON CAPPELLUCCI
Witnessed By	DEREK PATTERSON

<<< 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 COMPLETION & PRODUCTION SVCS. (785) 628-6395

DIRECTIONS:

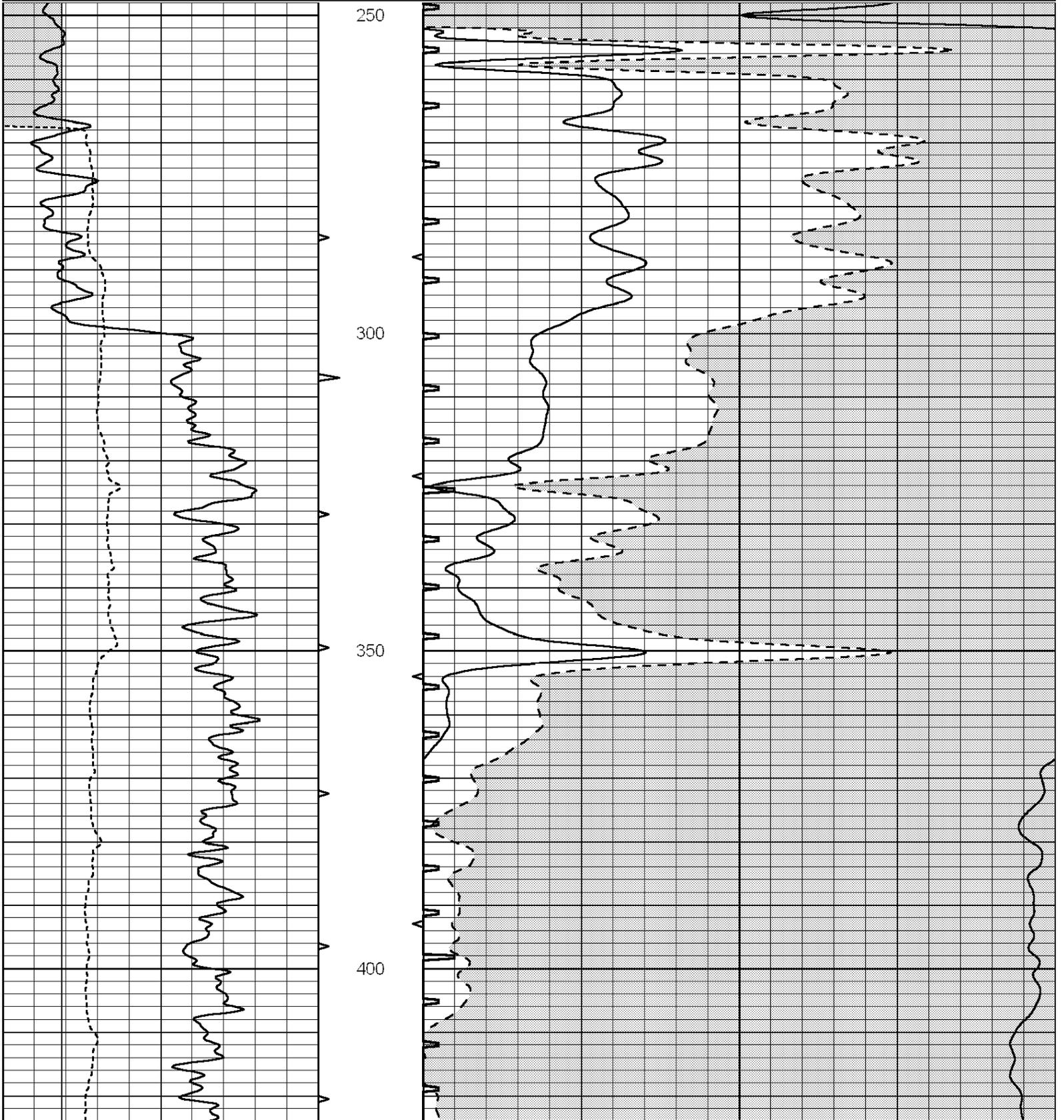
HEALY, KS. - 1 1/2 W. TO BISON RD. - 3 N. TO BISON II RD. - W. & N. 1 3/4 MILES TO CURVE WEST
GO WEST FOR 1/4 MILE TO FARM AND BACK NORTH TO RD. 290 - W. TO WILLOW RD.
N. 3 MILES TO CATTLE GUARD - NW. INTO ON TRAIL

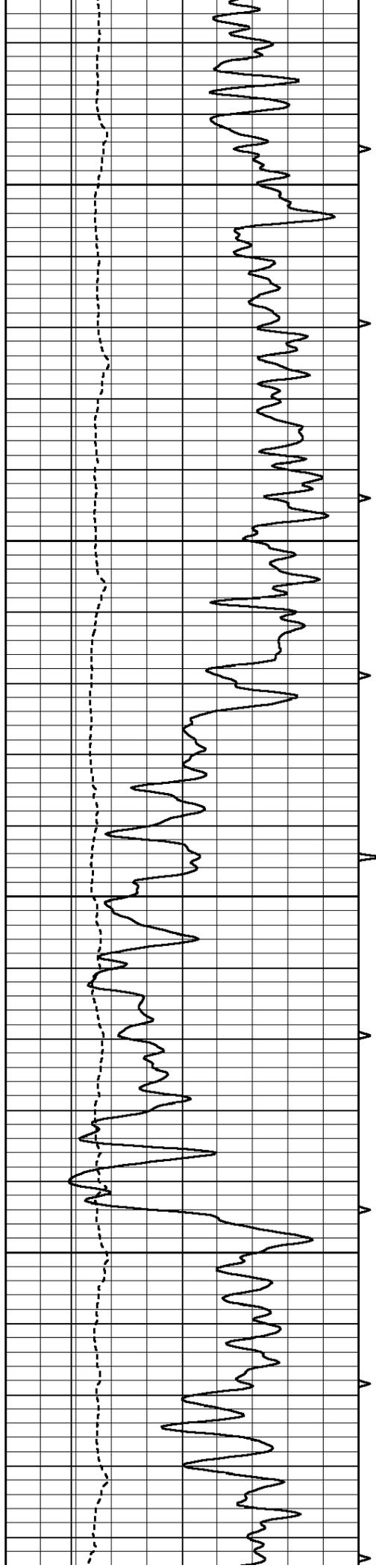


MAIN SECTION

Database File: 010146pe.db
 Dataset Pathname: pass7.1
 Presentation Format: _slt
 Dataset Creation: Wed Apr 24 10:05:58 2013 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
-----			TBHV	0	ITT (msec)	20
			0 (ft3) 10			



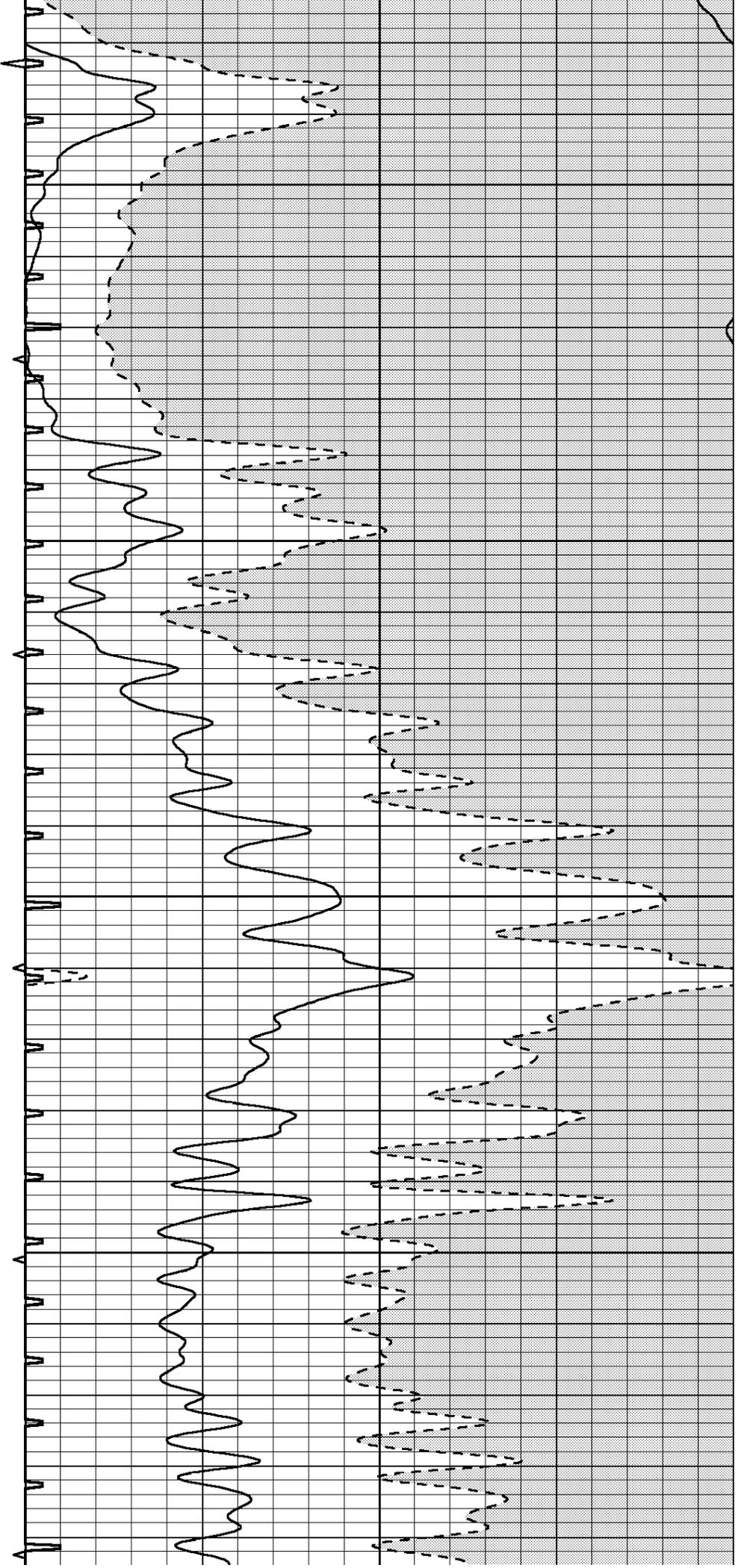


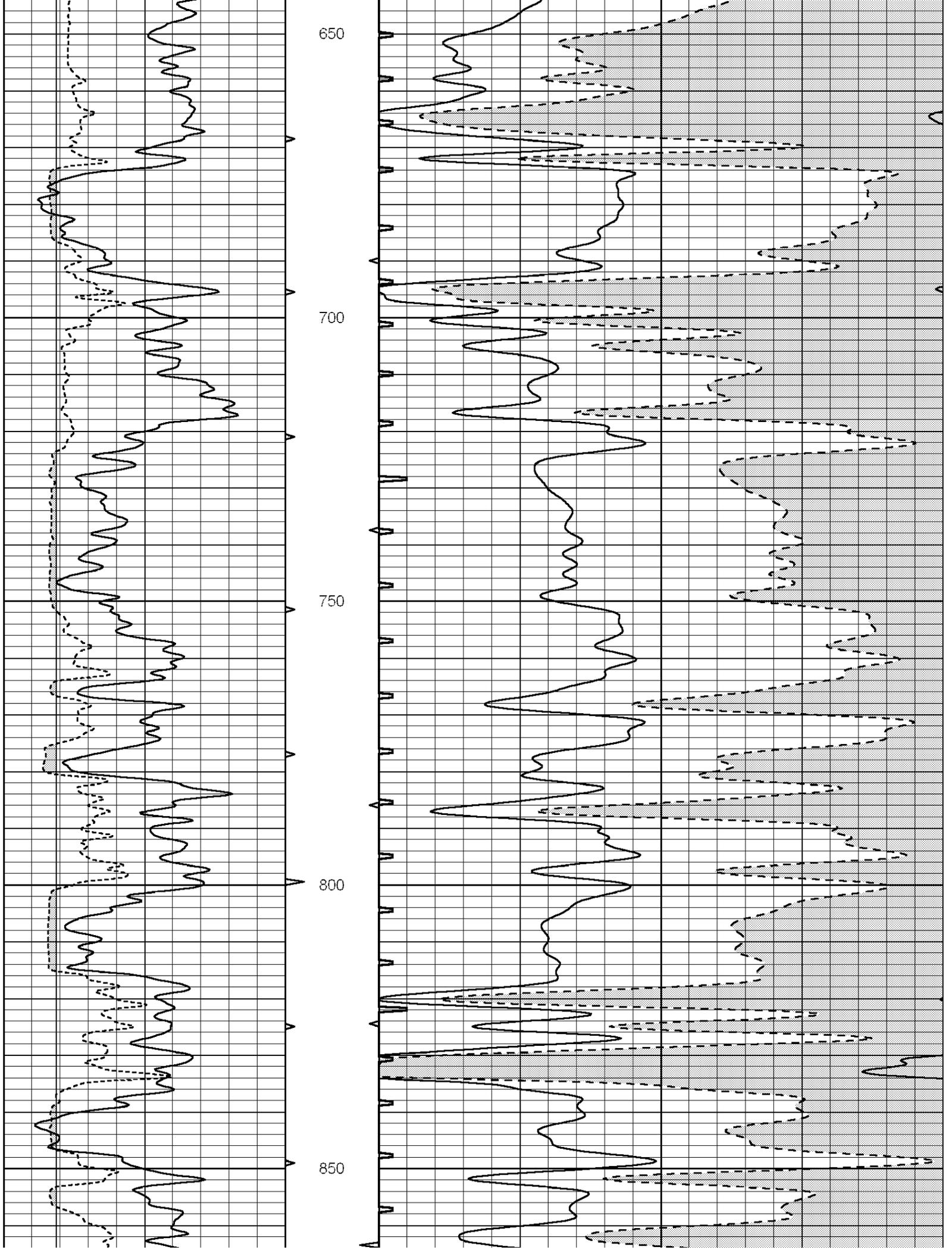
450

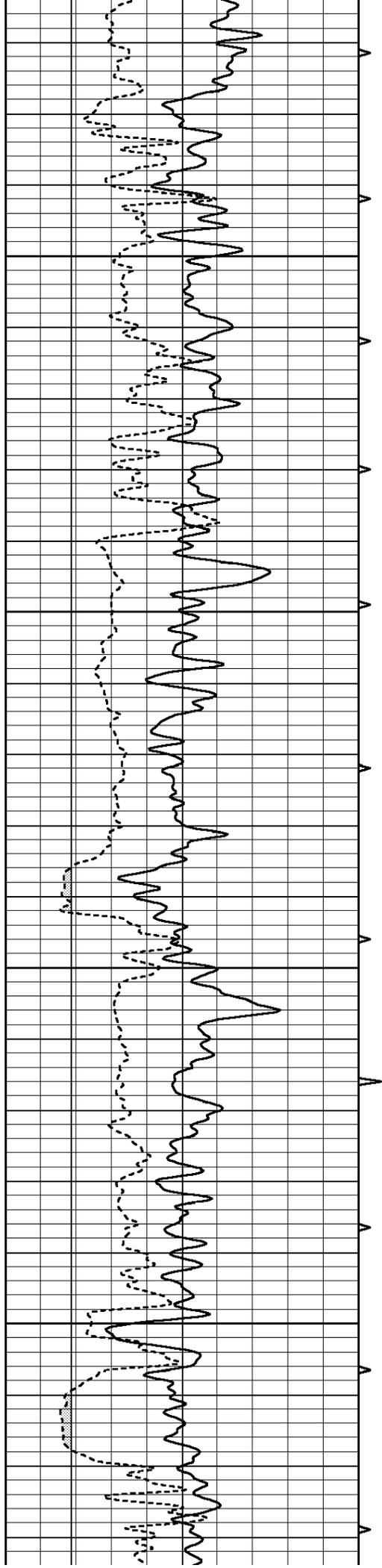
500

550

600





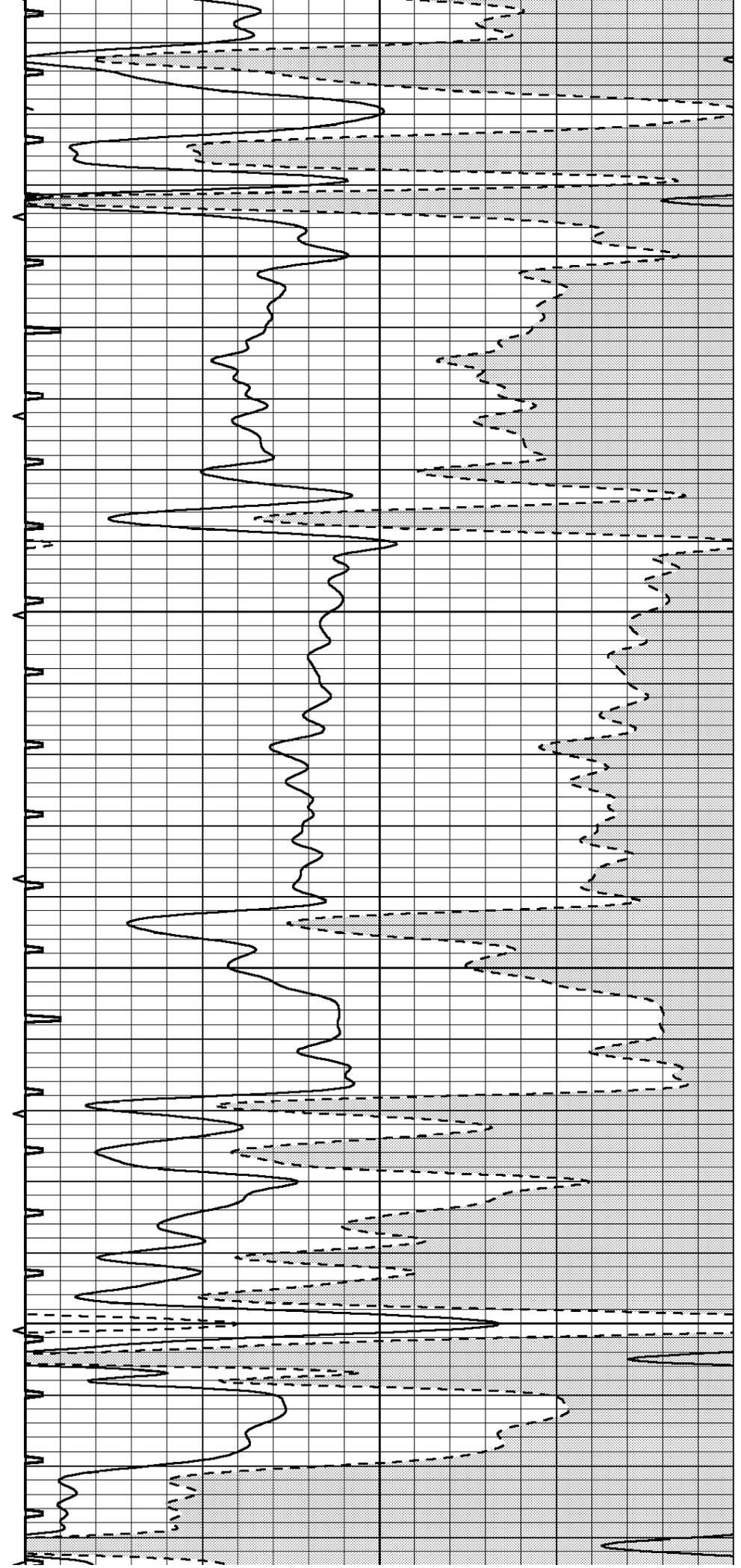


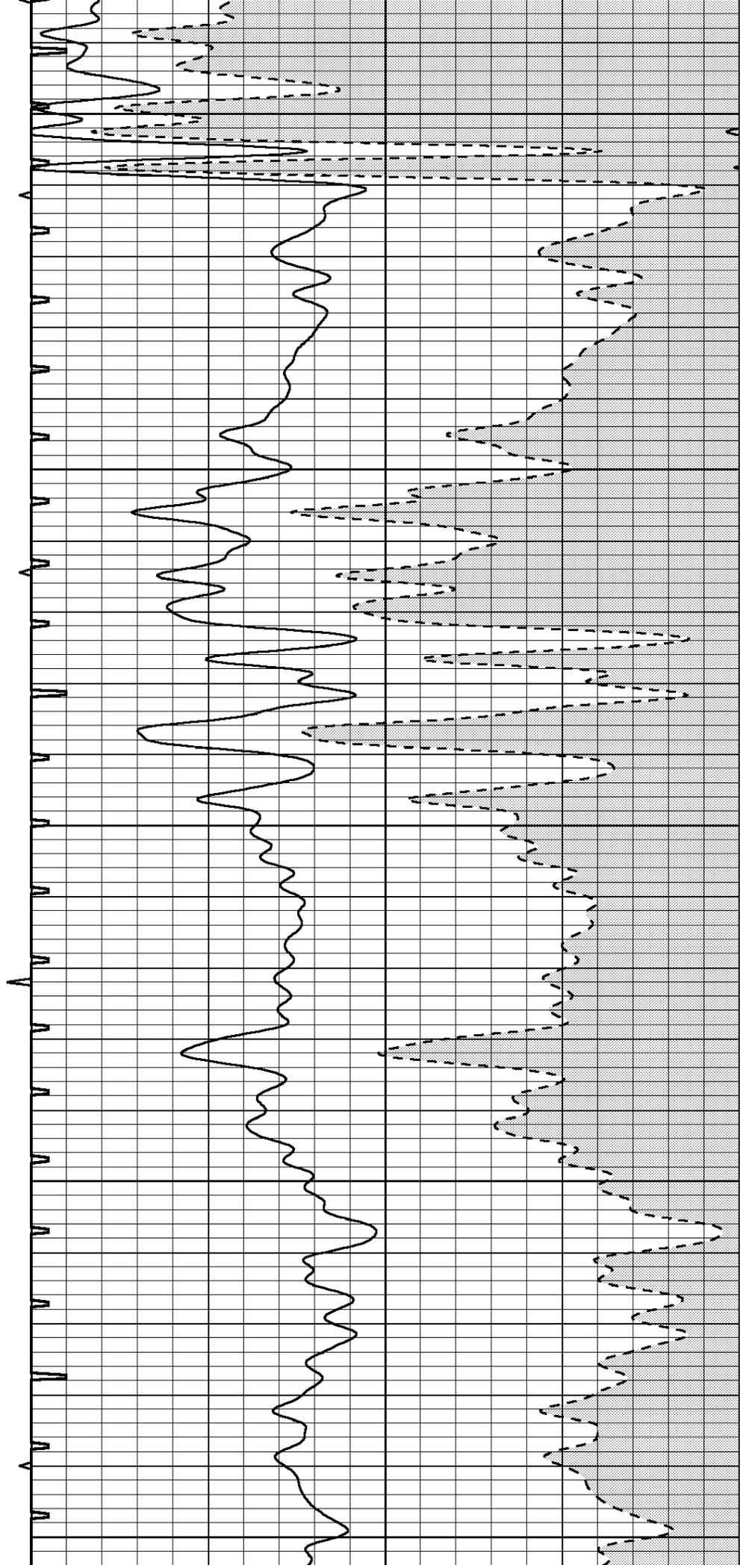
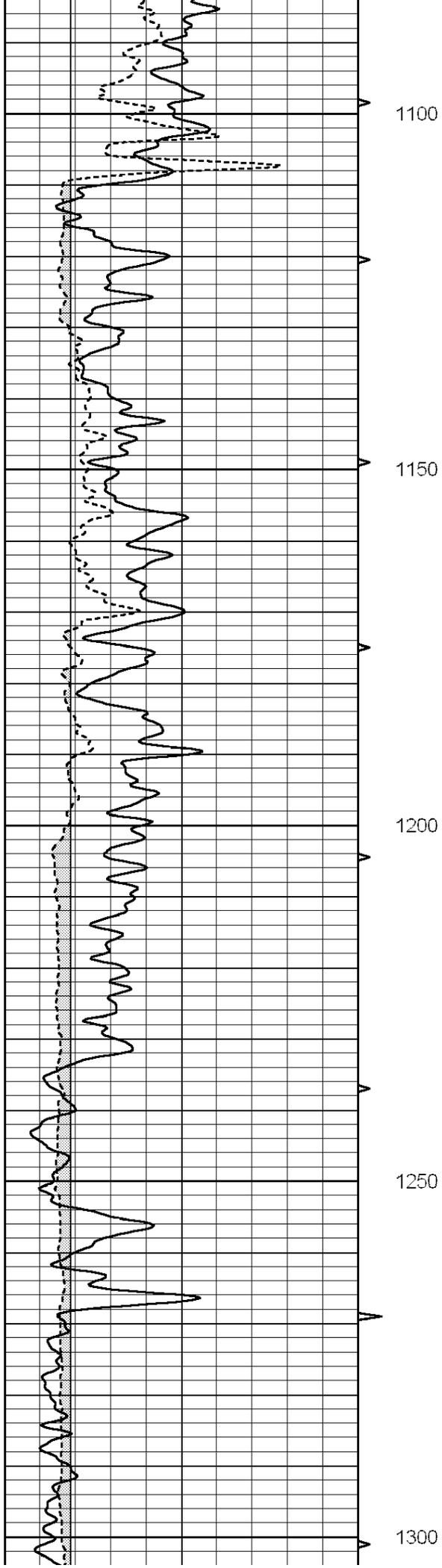
900

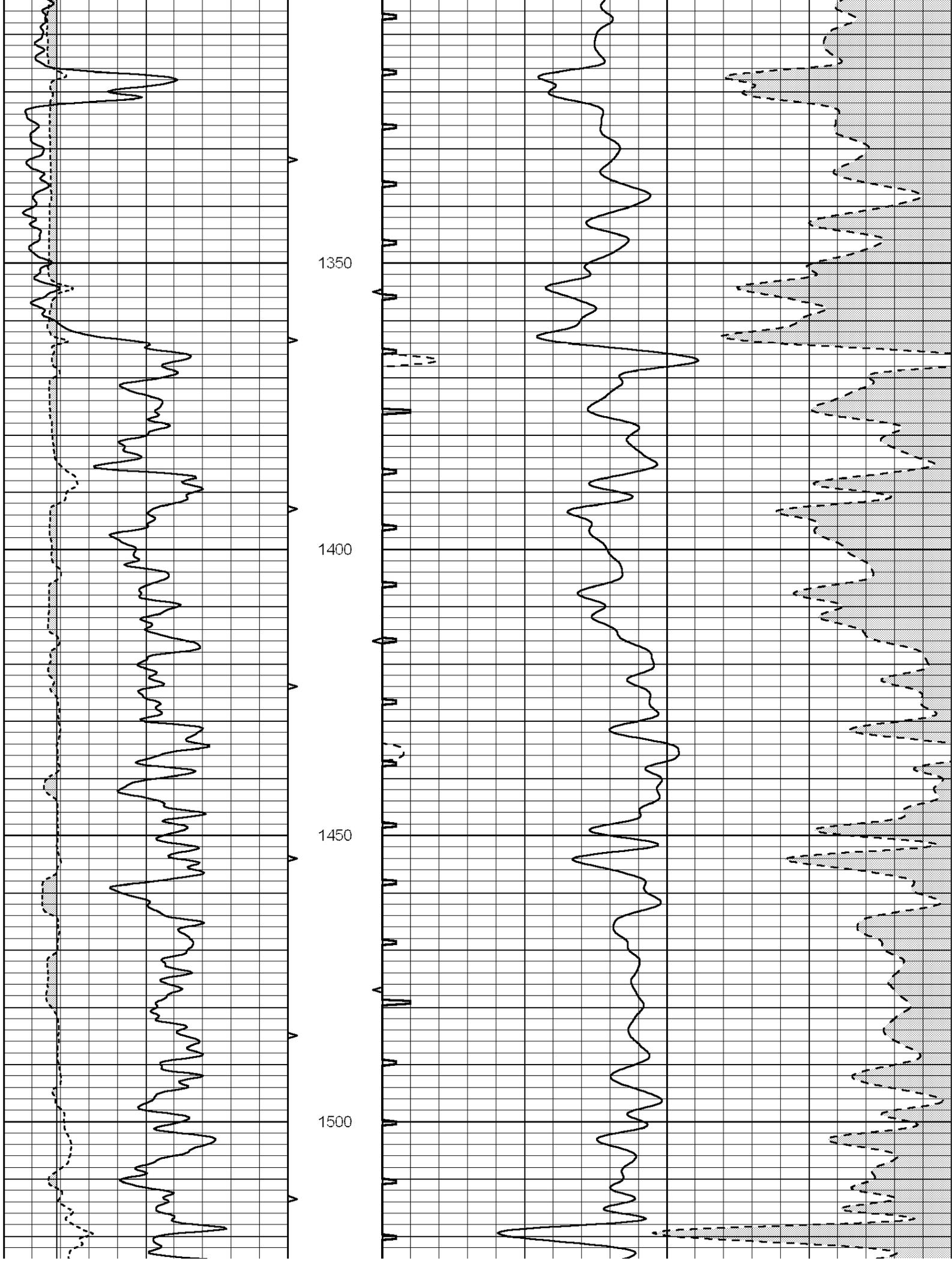
950

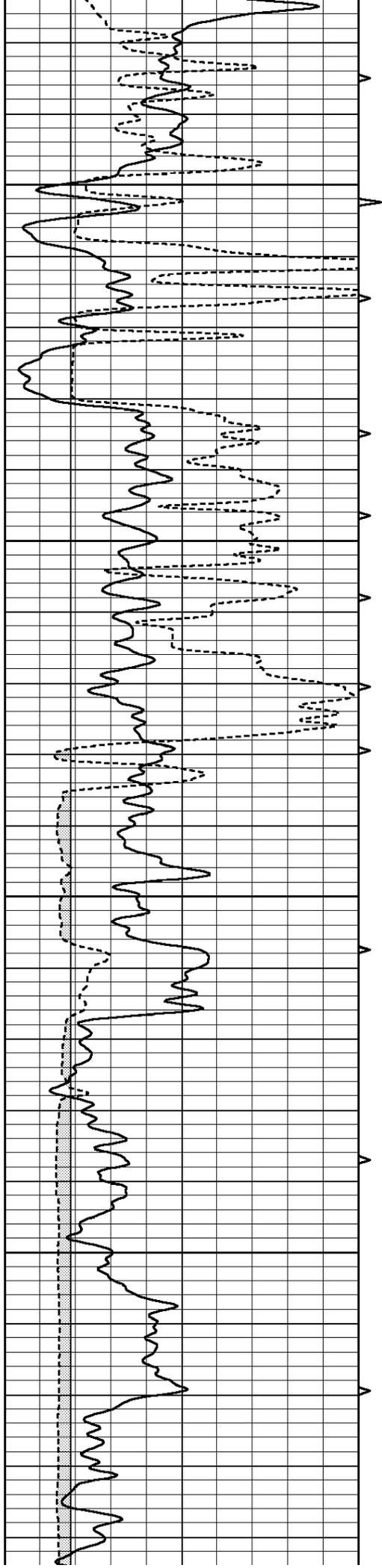
1000

1050







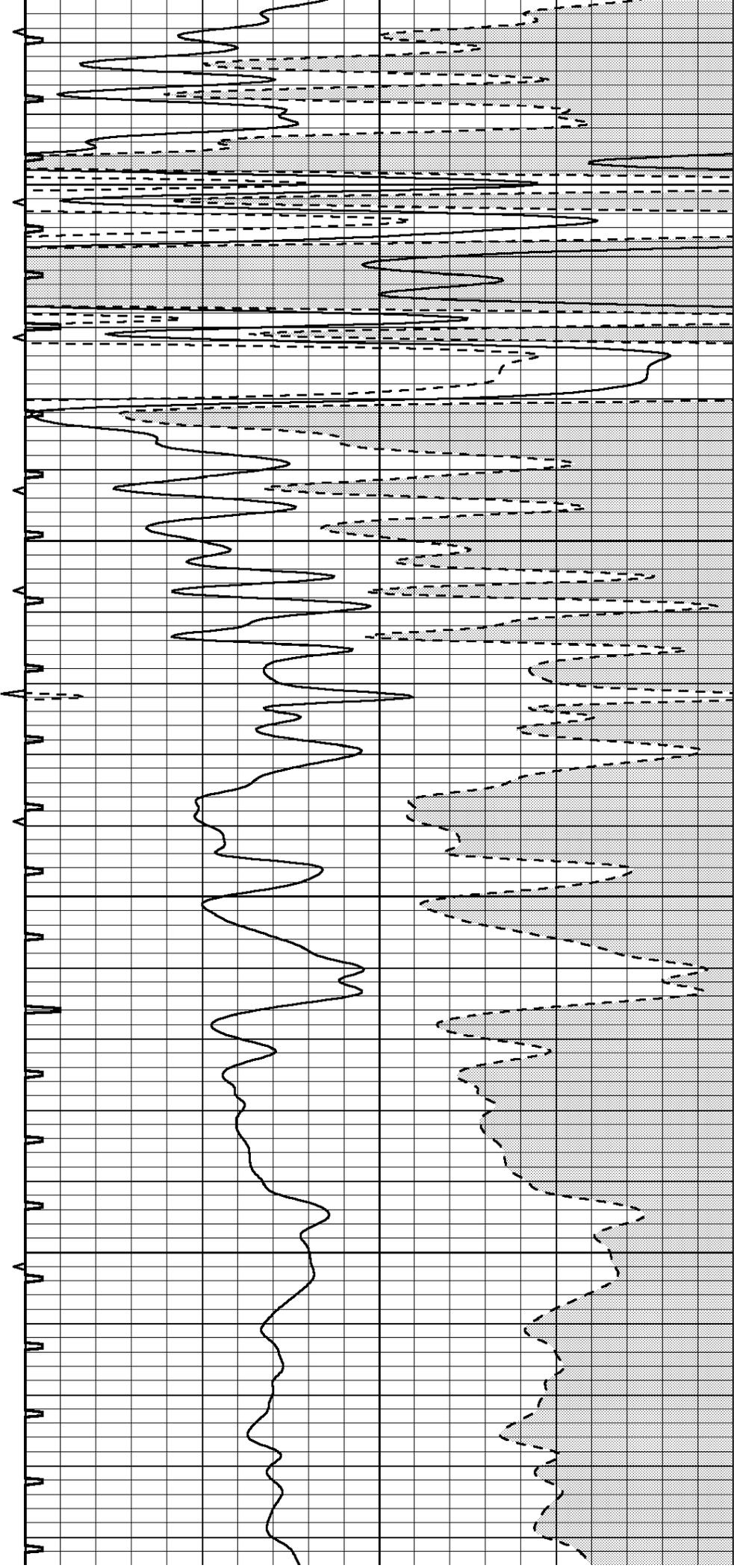


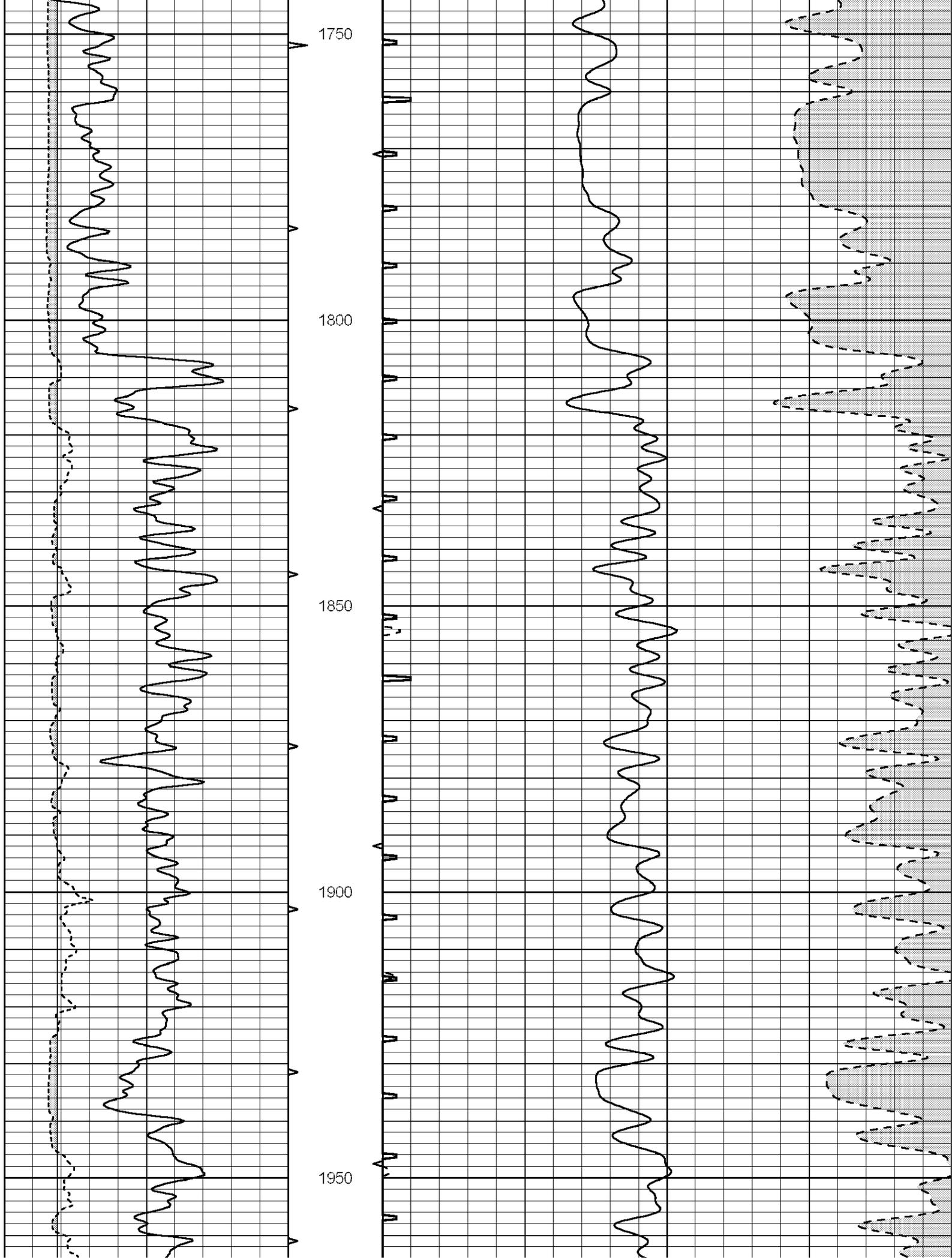
1550

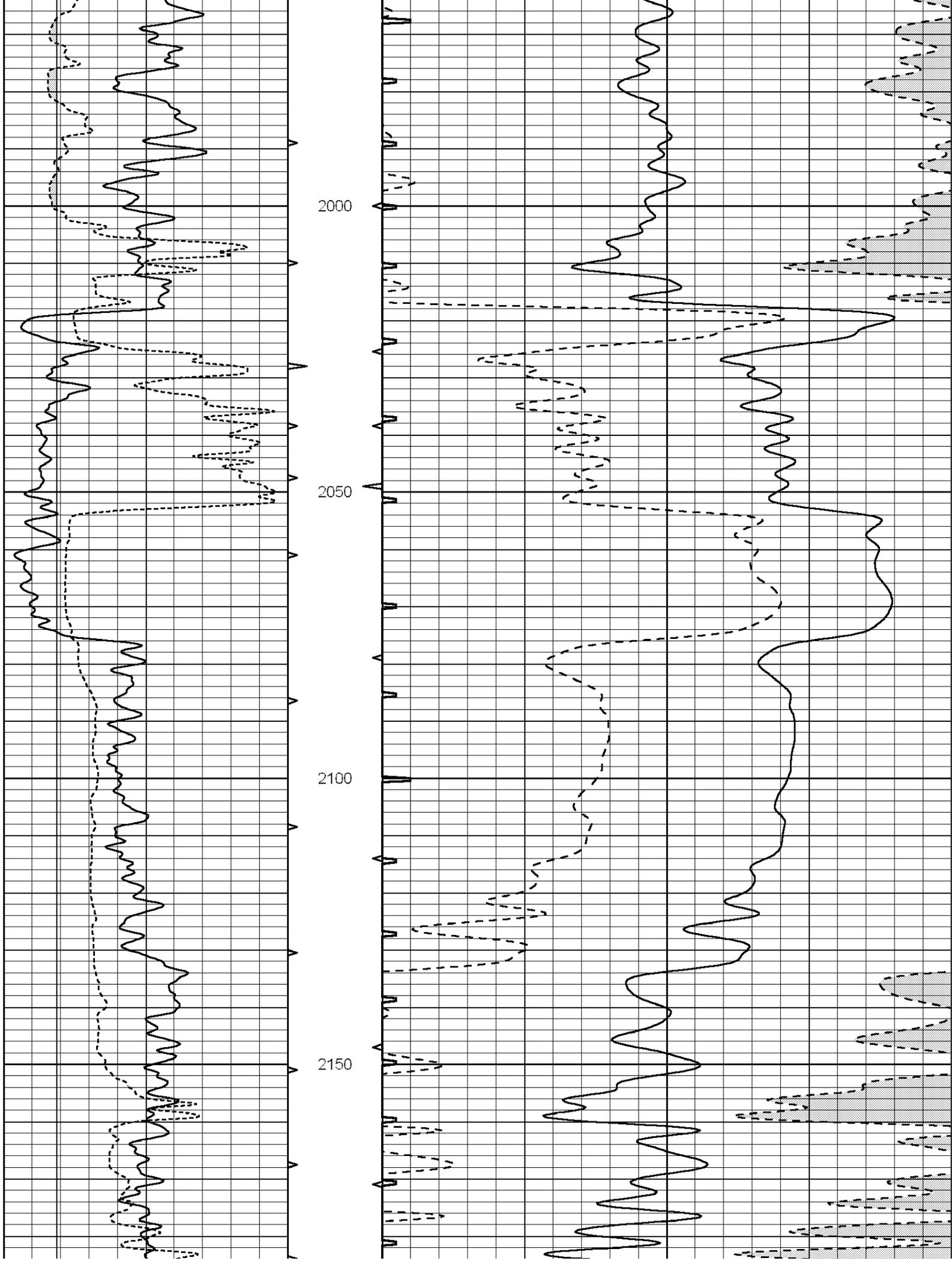
1600

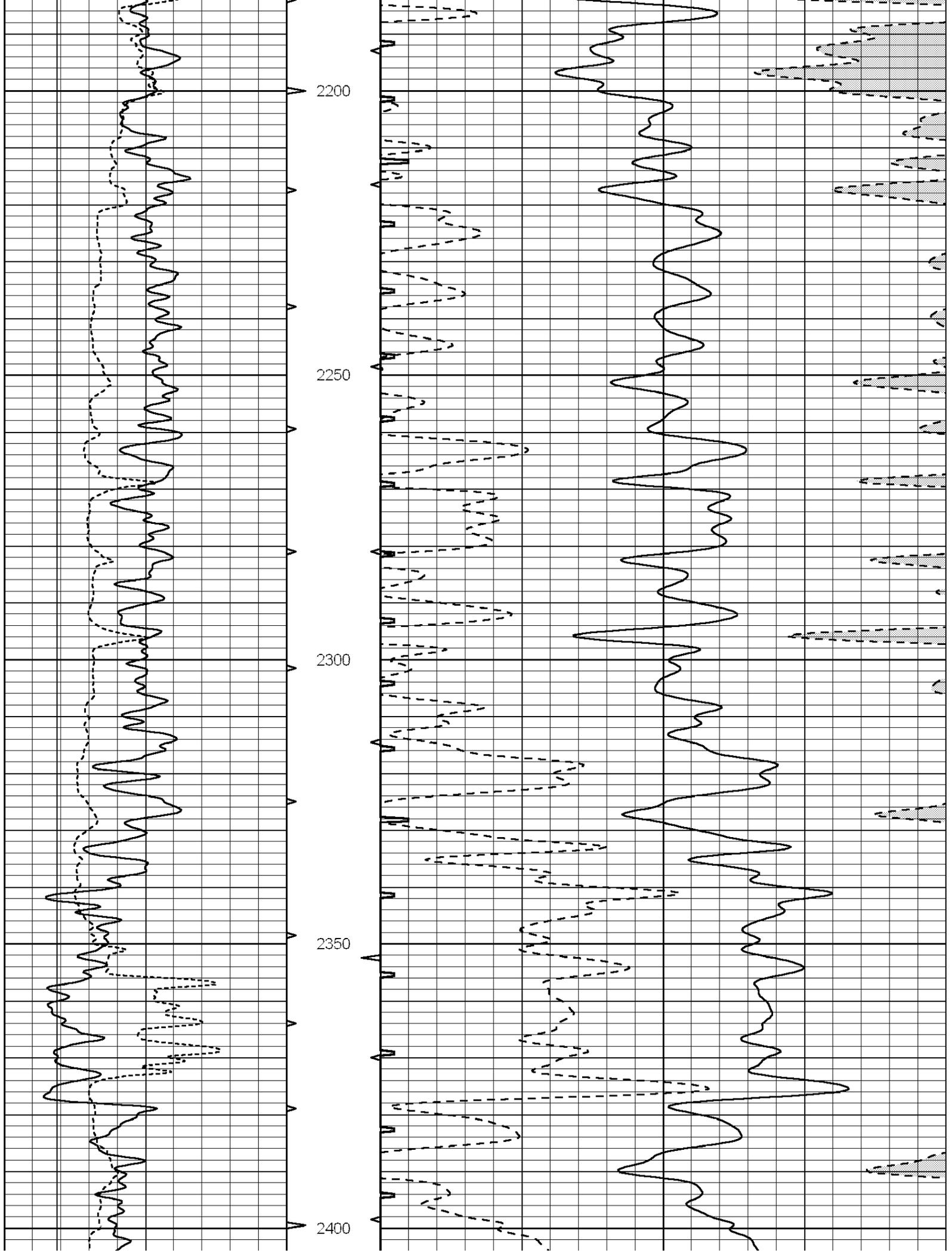
1650

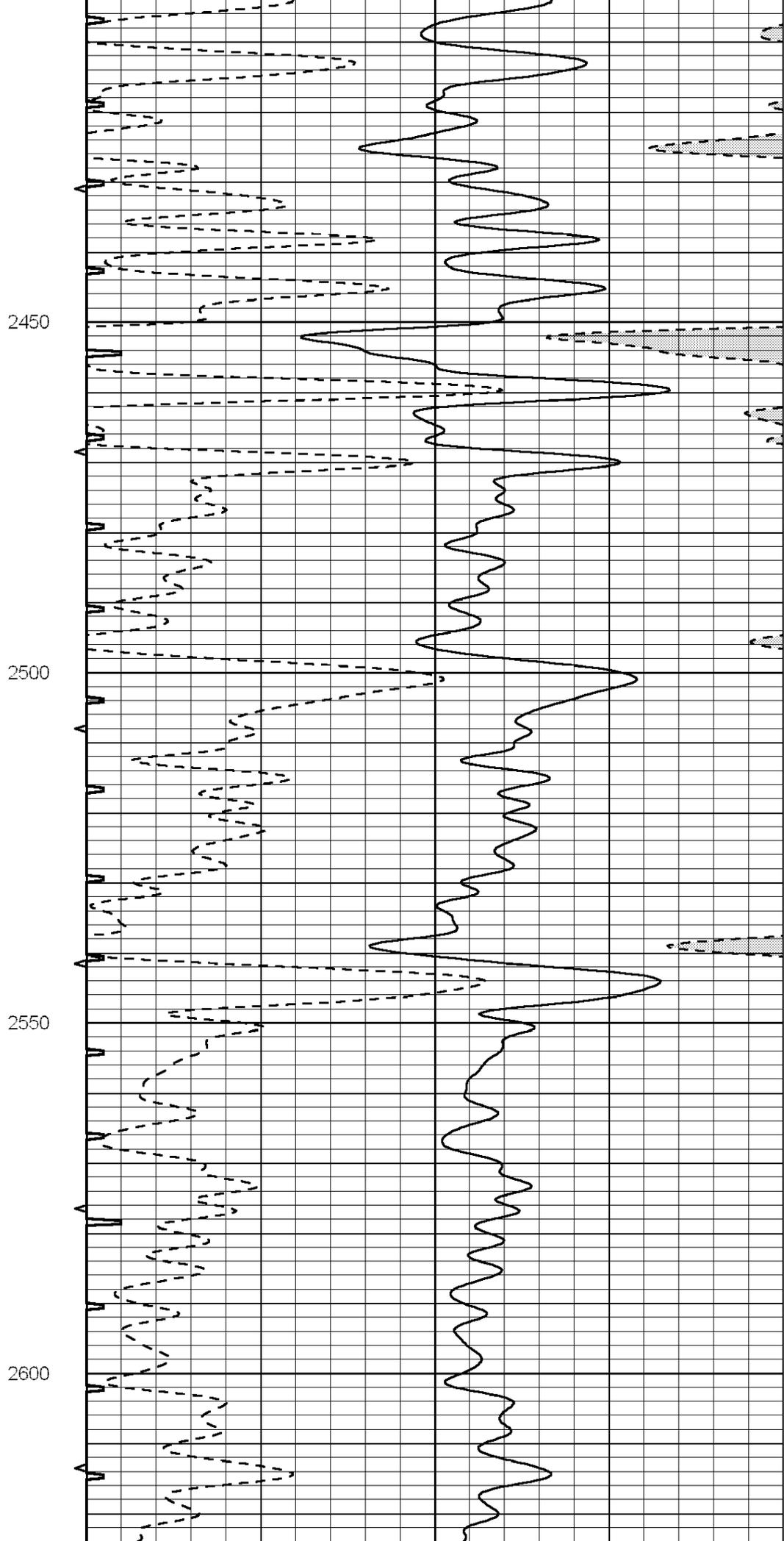
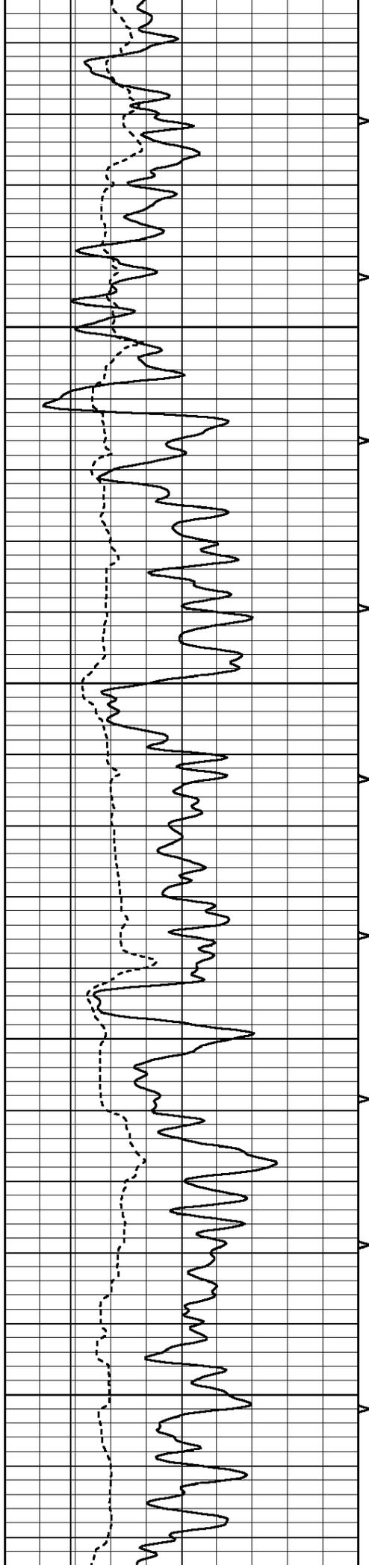
1700

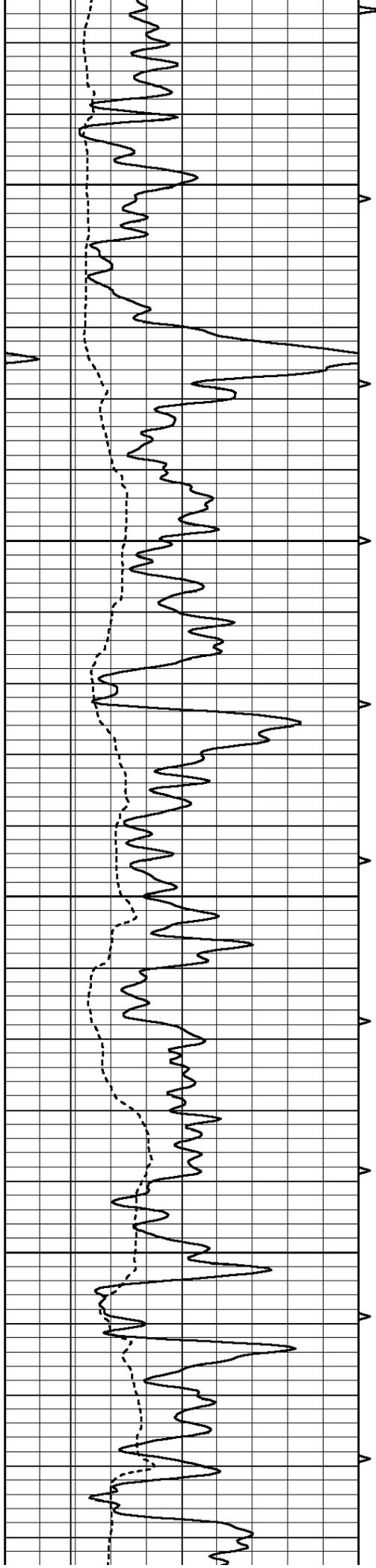










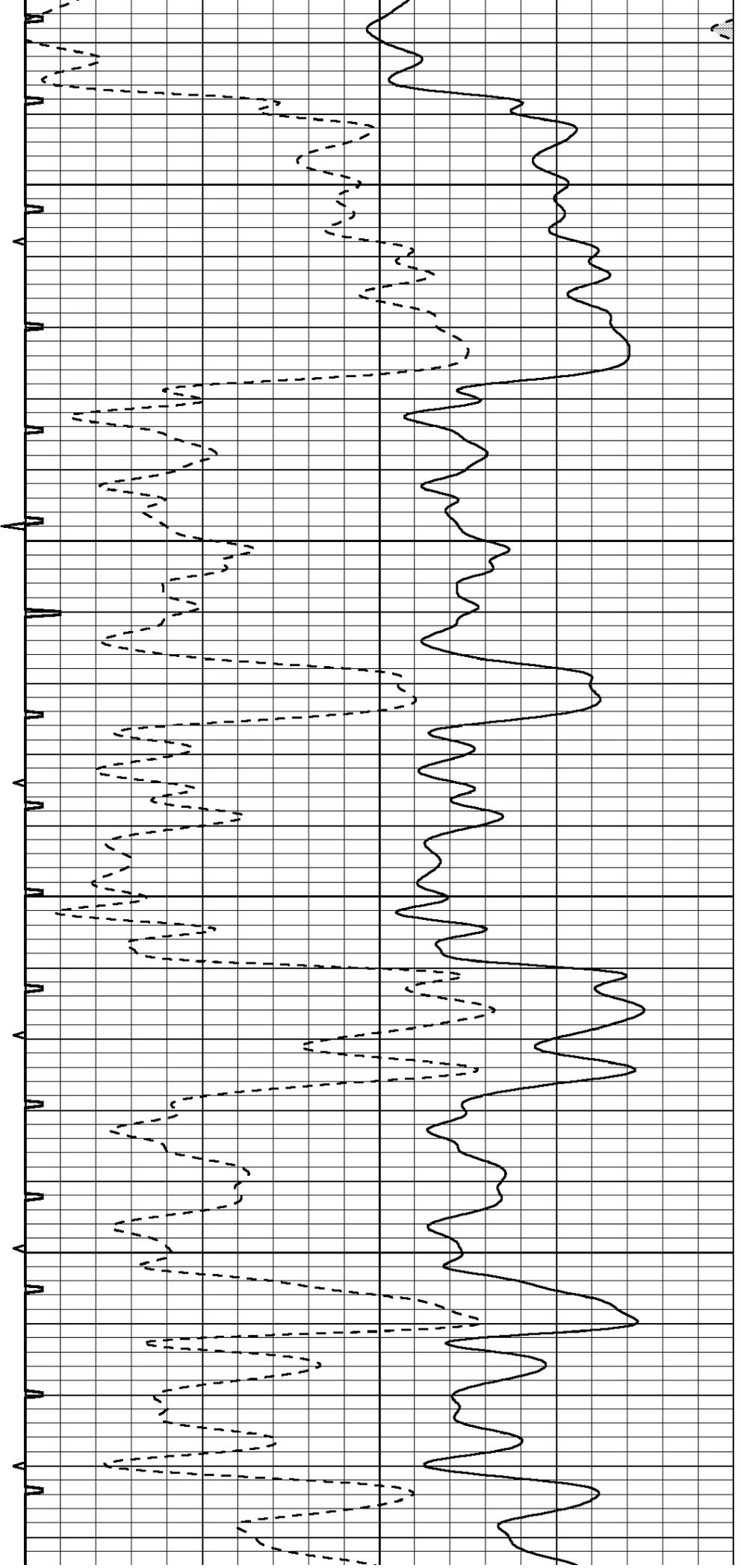


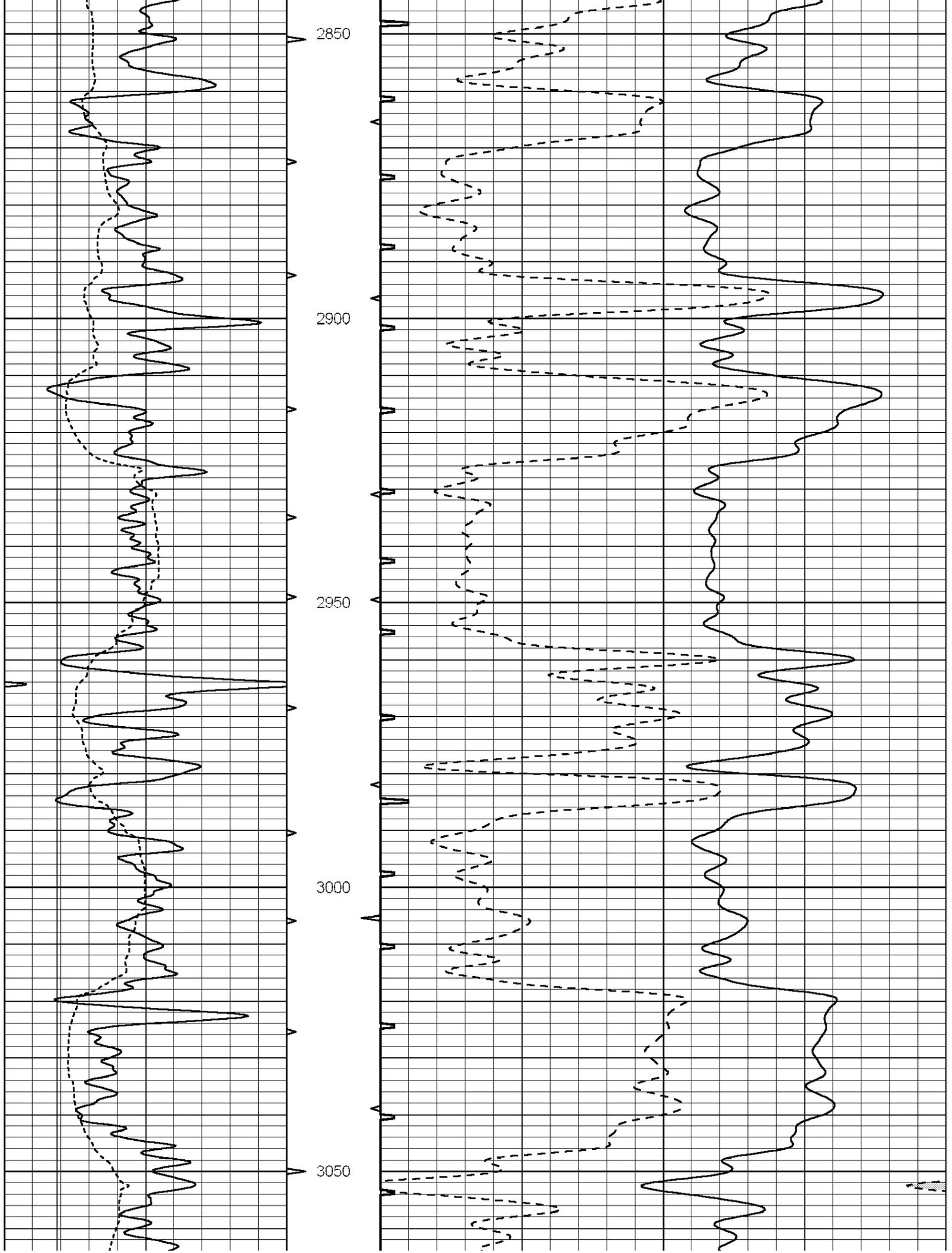
2650

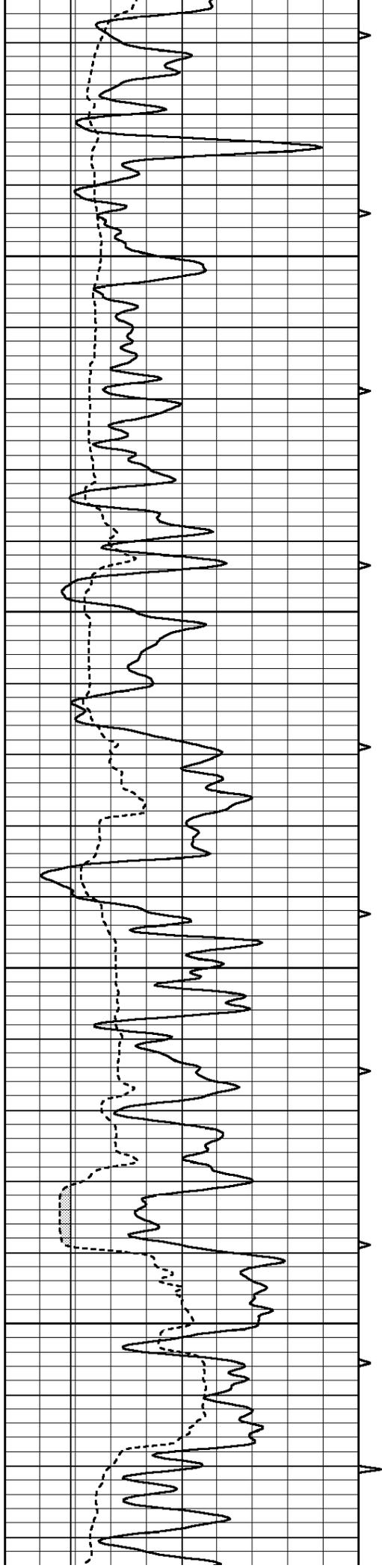
2700

2750

2800





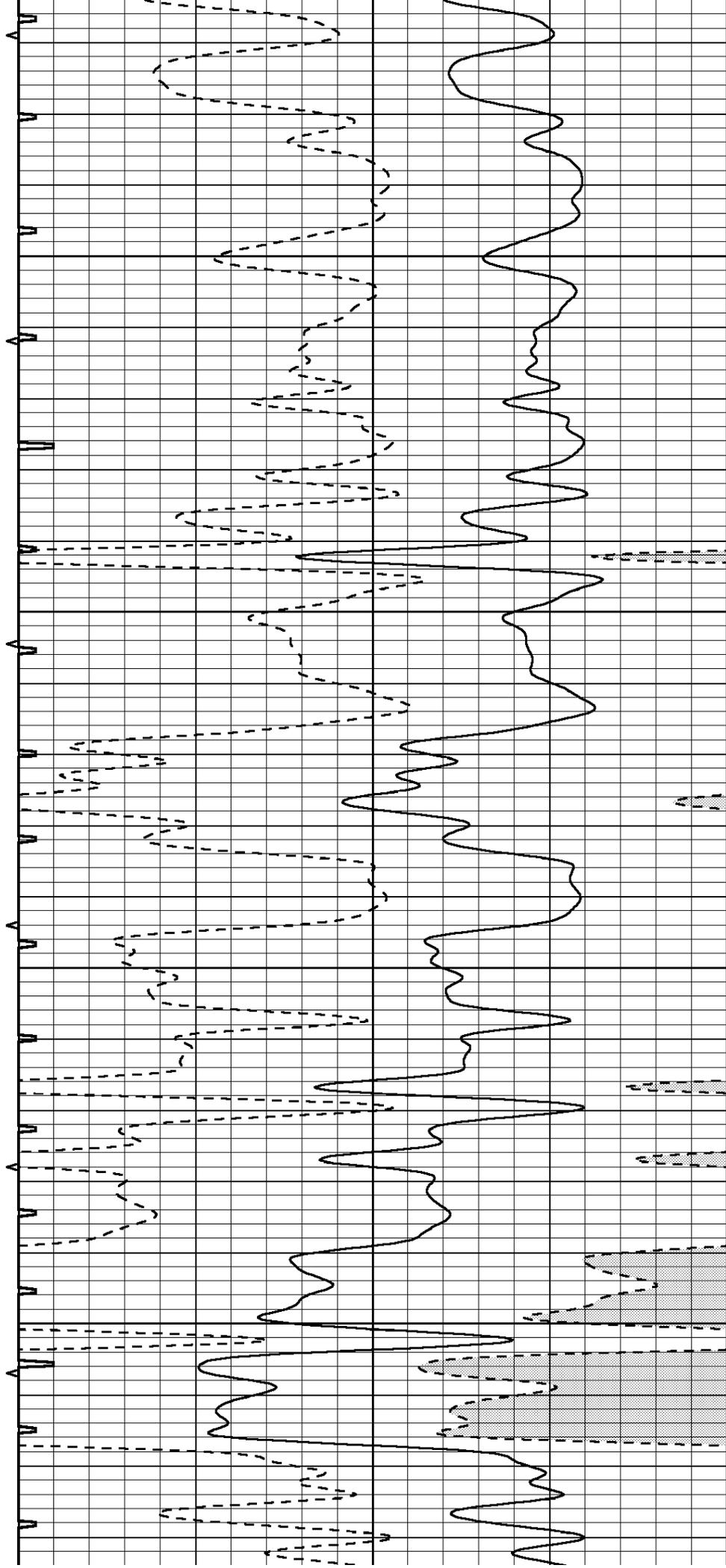


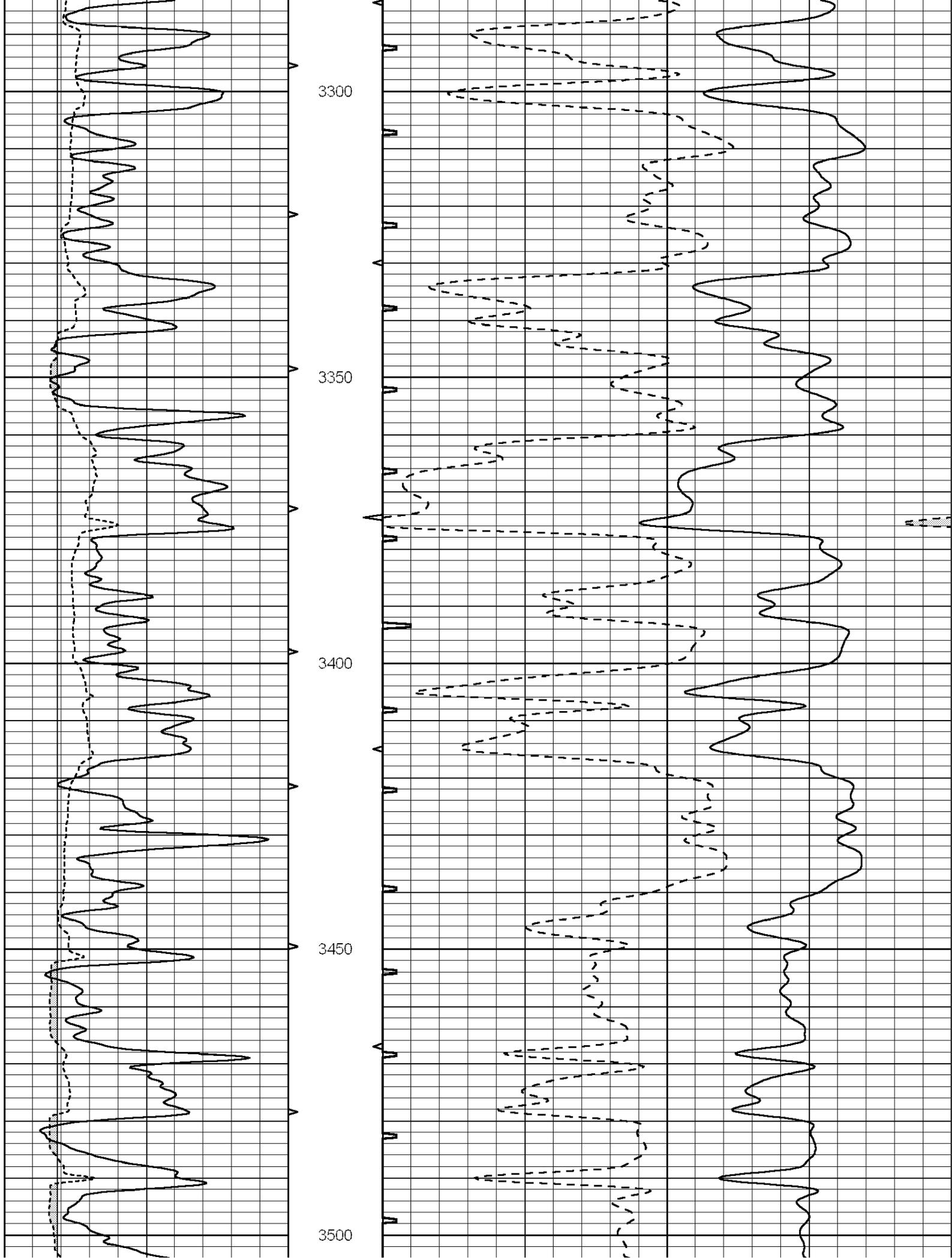
3100

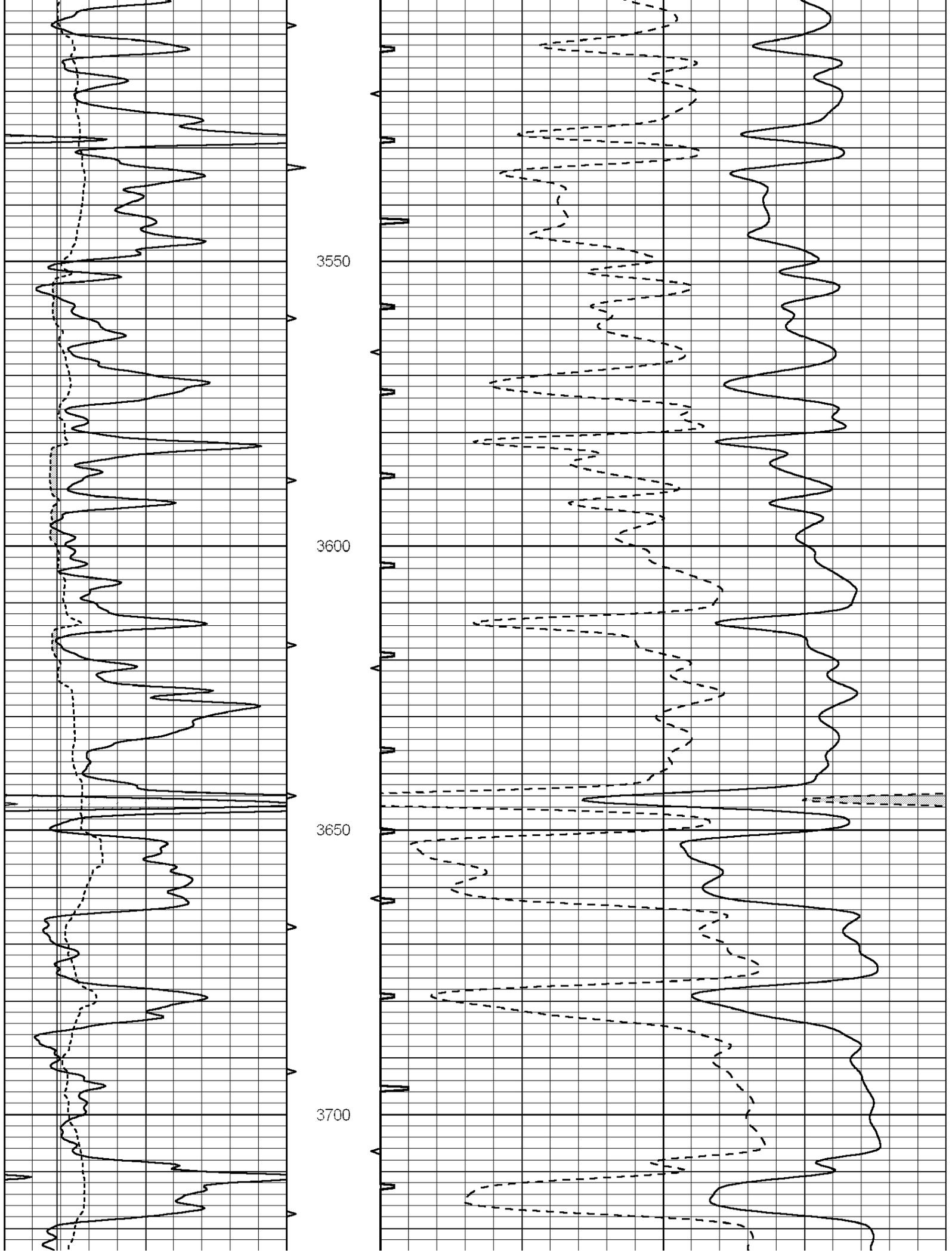
3150

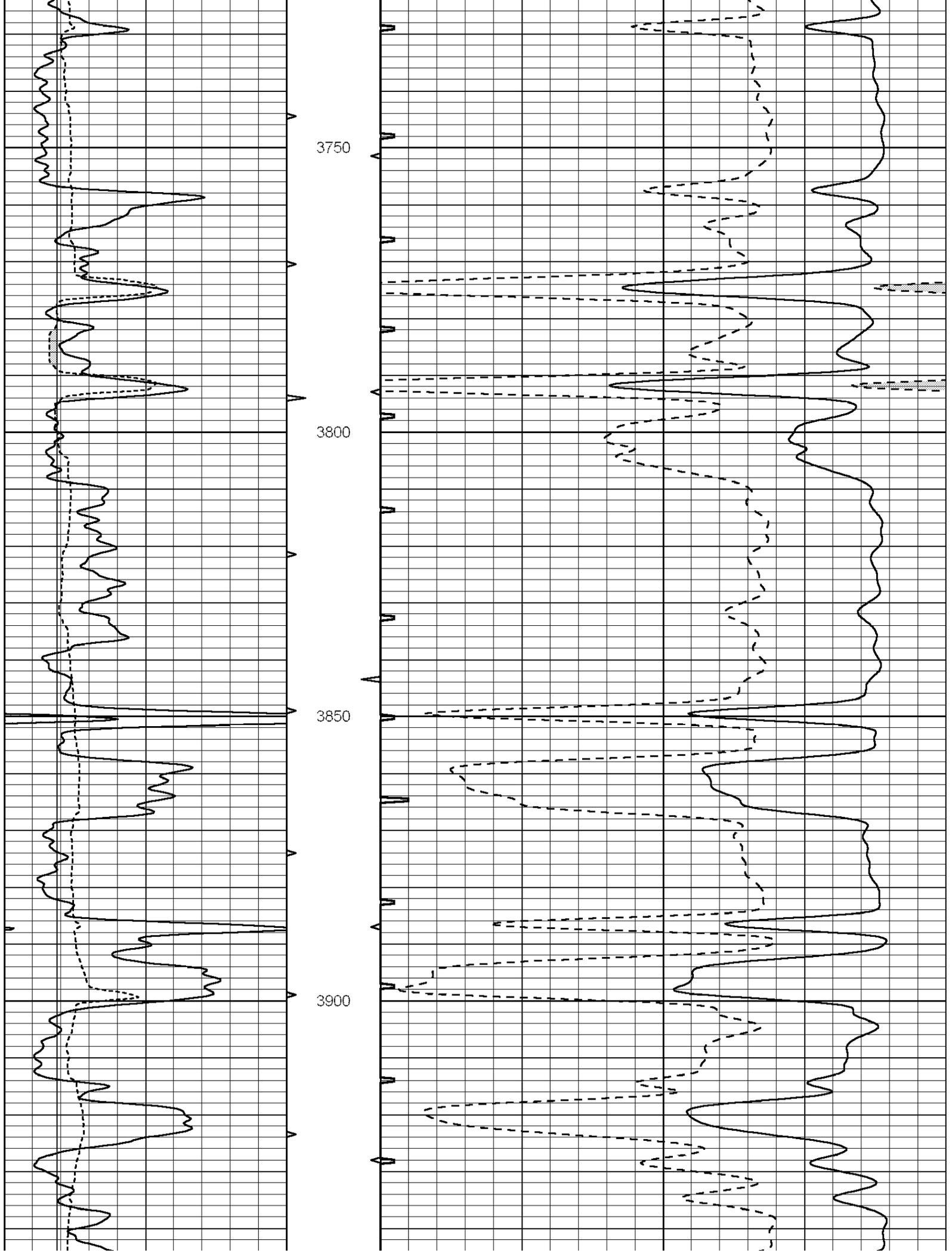
3200

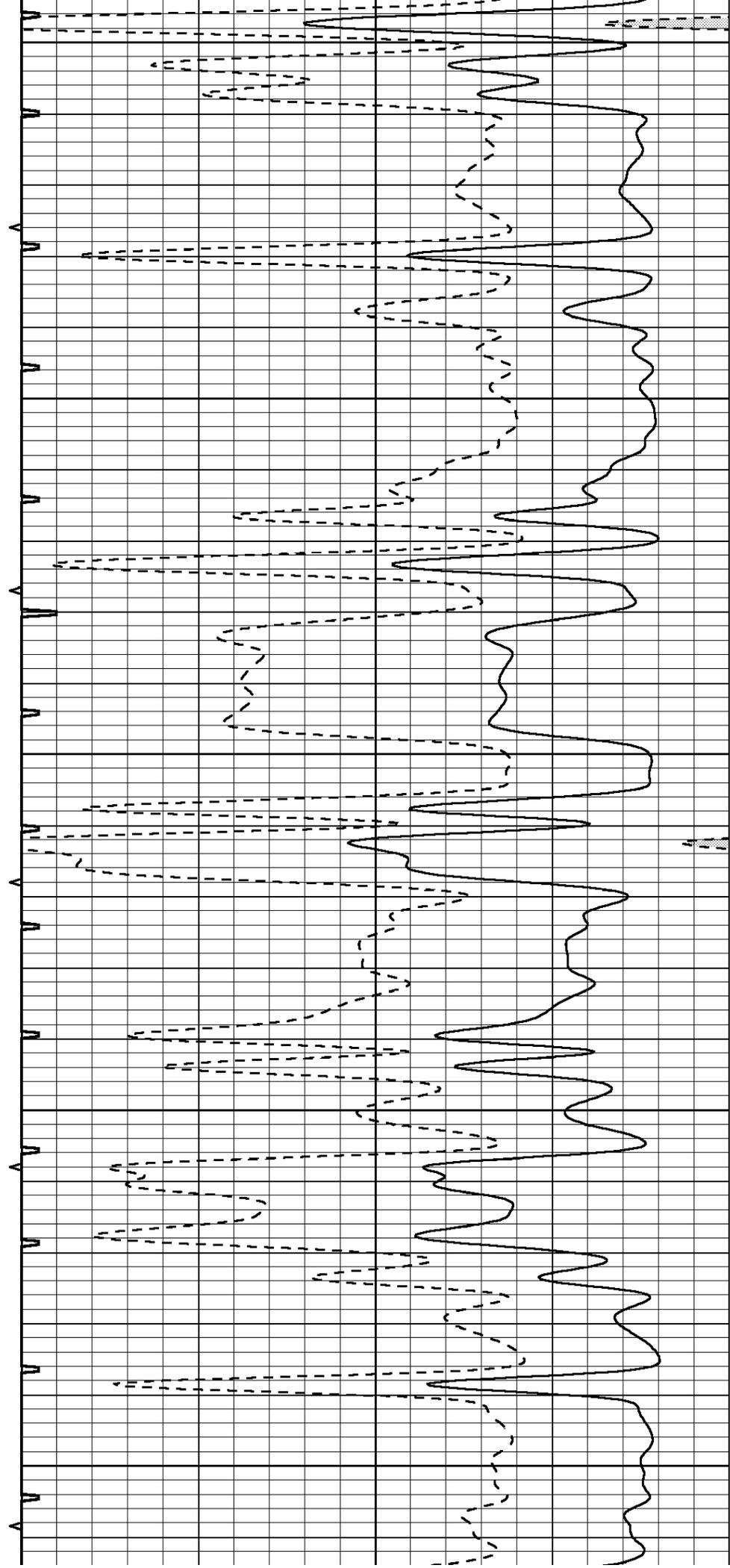
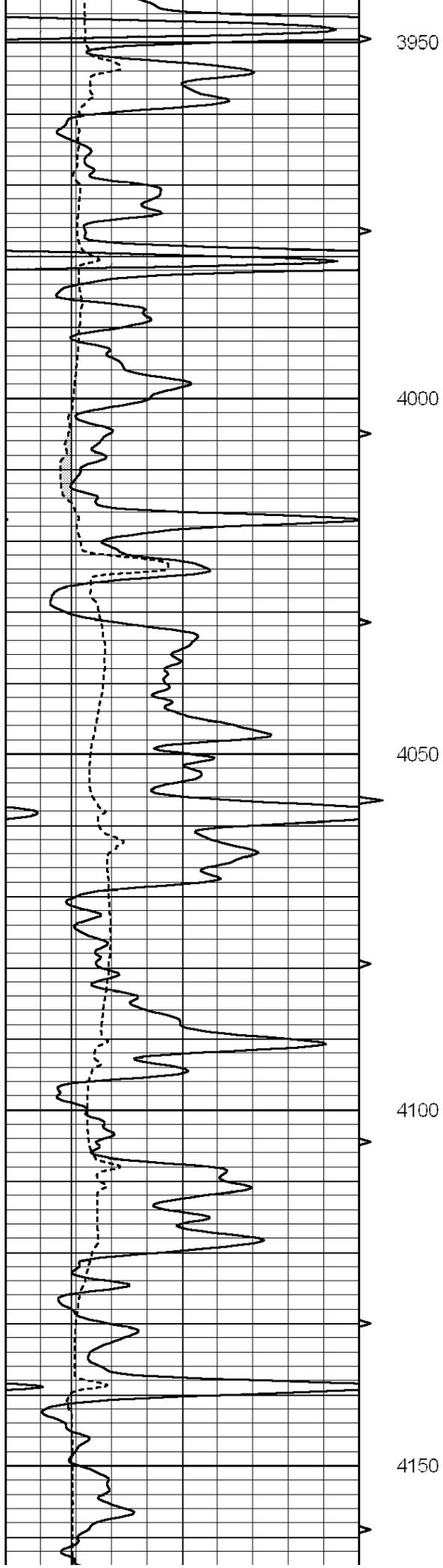
3250

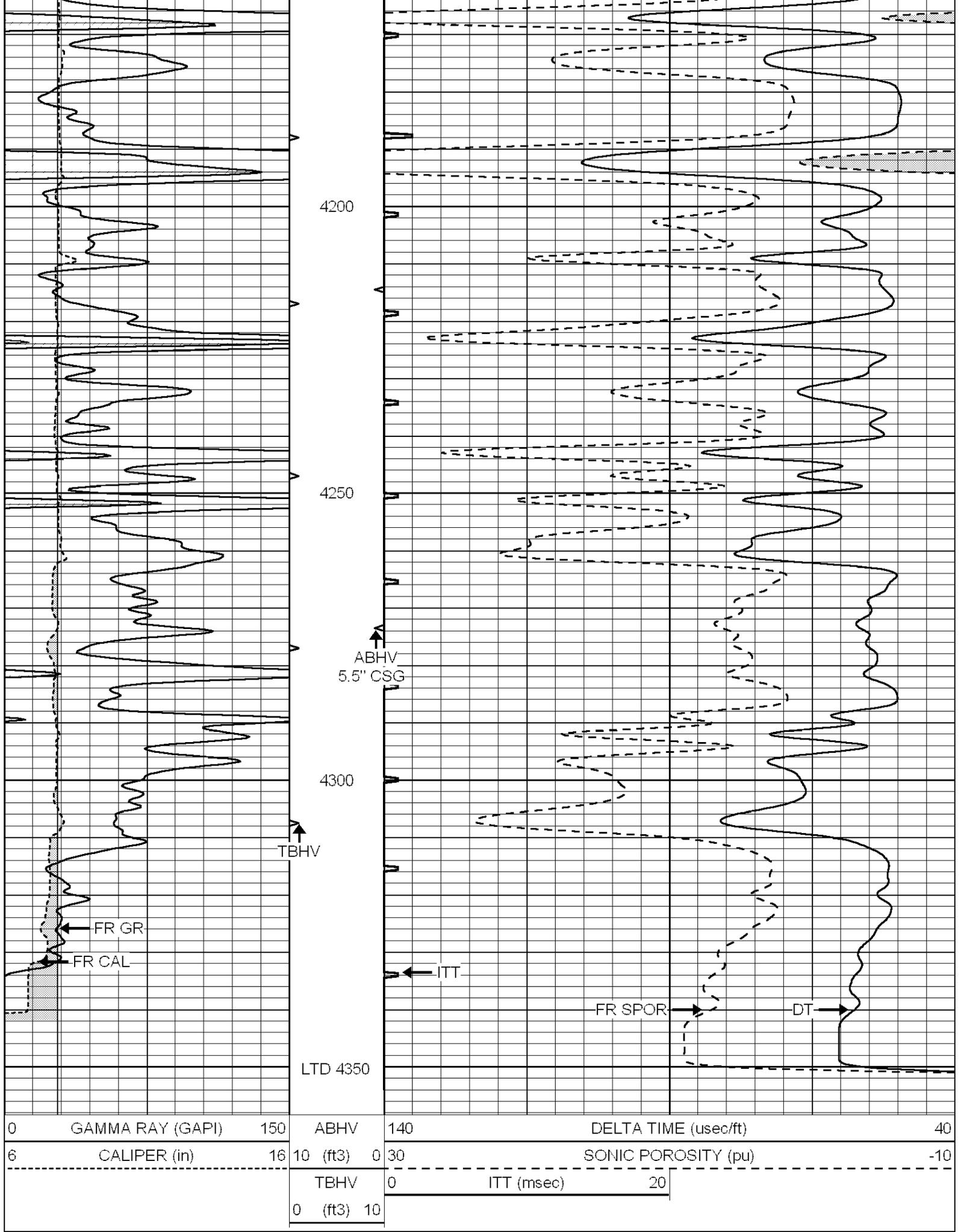












4200

4250

4300

LTD 4350

ABHV
5.5" CSG

TBHV

FR GR

FR CAL

ITT

FR SPOR

DT

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

REPEAT SECTION

Database File: 010146pe.db
 Dataset Pathname: pass6.1
 Presentation Format: _slt
 Dataset Creation: Wed Apr 24 09:15:40 2013 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
			TBHV	0	ITT (msec)	20	
			0 (ft3)	10			

