



SUPERIOR
Hays,
Kansas

SONIC LOG

Company	RED OAK ENERGY, INC.
Well	FRAHM #1-19
Field	WILDCAT
County	THOMAS
State	KANSAS
Location:	API # : 15-193-20776 220' FSL & 400' FWL
SEC 19 TWP 8S RGE 34W	Other Services CDL/CNL DIL/MEL
Permanent Datum Log Measured From Drilling Measured From	GROUND LEVEL KELLY BUSHING 6' A.G.L. KELLY BUSHING
Elevation	K.B. 3261 D.F. G.L. 3255
Date	6-29-10
Run Number	TW0
Depth Driller	4810
Depth Logger	4810
Bottom Logged Interval	4803
Top Log Interval	350
Casing Driller	361
Casing Logger	361
Bit Size	7.875
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3 / 55
pH / Fluid Loss	11.0 / 6.8
Source of Sample	FLOWLINE
Rim @ Meas. Temp	0.65 @ 102F
Rmf @ Meas. Temp	0.49 @ 102F
Rmc @ Meas. Temp	0.78 @ 102F
Source of Rmf / Rmc	MEASURED
Rim @ BHT	.540 @ 123F
Time Circulation Stopped	3 HOURS
Time Logger on Bottom	4:00 P.M.
Maximum Recorded Temperature	123F
Equipment Number	860
Location	HAYS, KS.
Recorded By	RUPP
Witnessed By	SEAN DEENIHAN
	KEVIN DAVIS

<<< 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

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: COLBY, 2S TO RD. "O", 6W, N INTO.

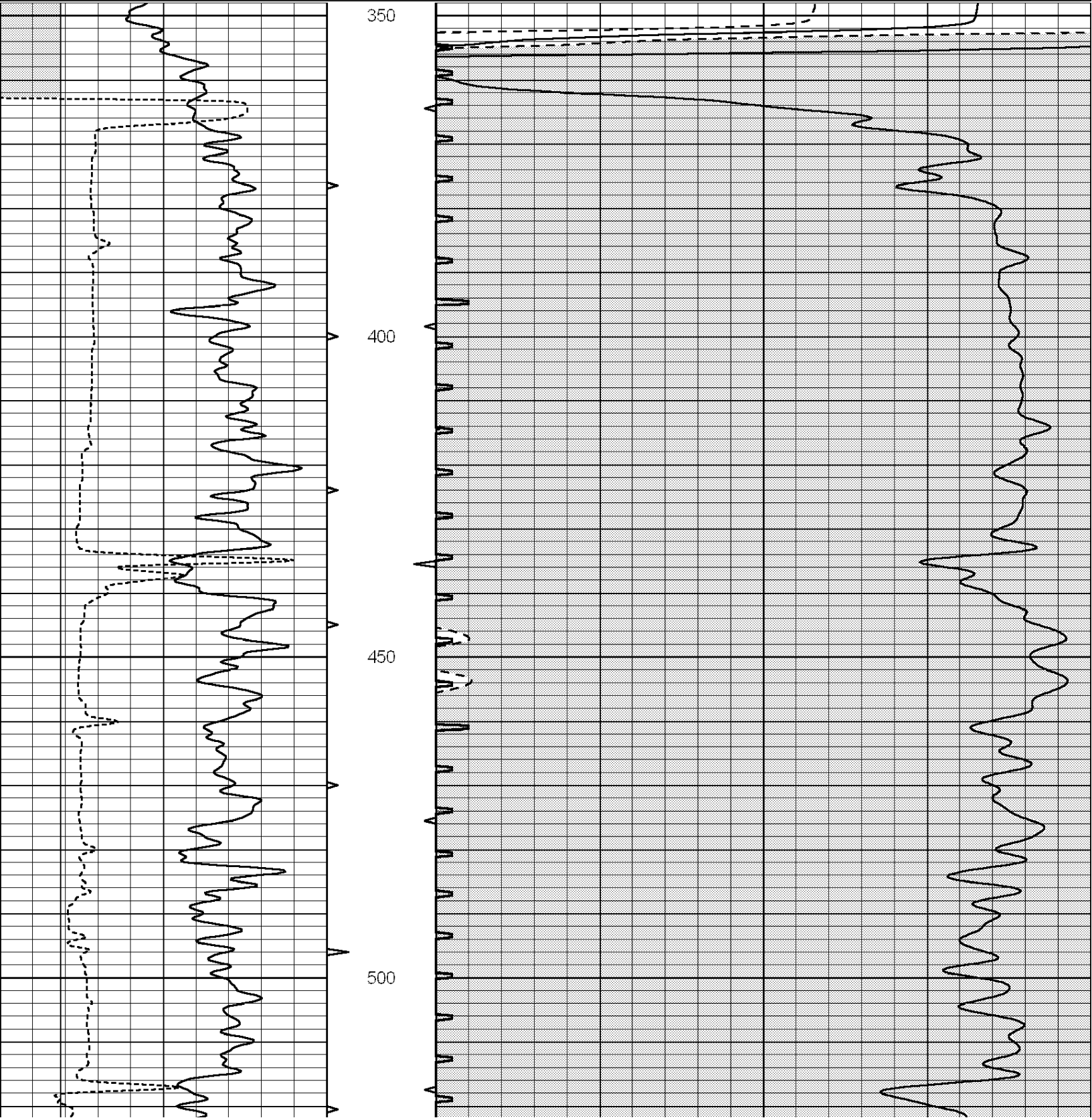


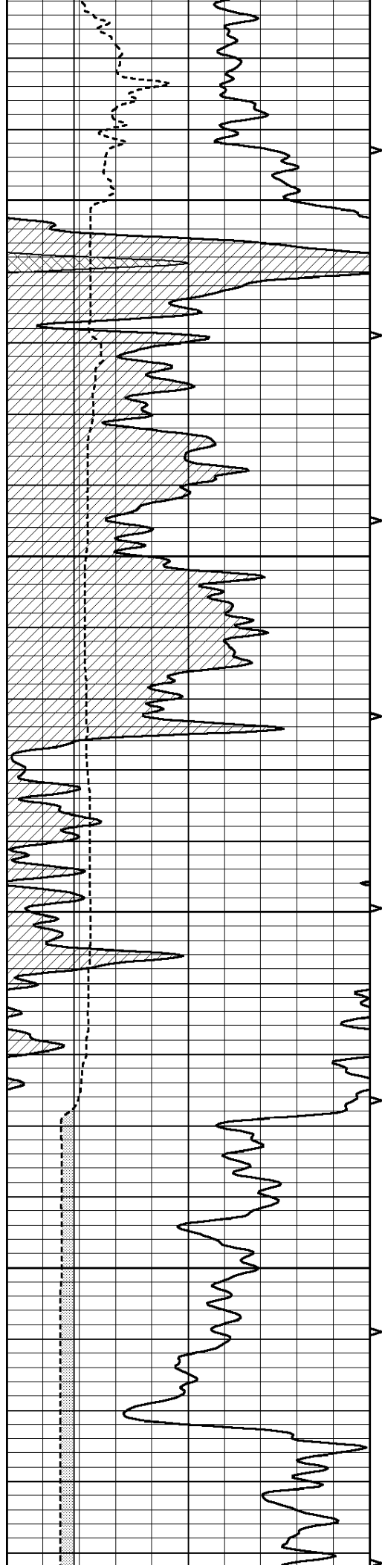
SUPERIOR
Hays,
Kansas

MAIN SECTION

Database File: 005215ddn.db
 Dataset Pathname: pass5
 Presentation Format: slt
 Dataset Creation: Tue Jun 29 18:40:13 2010 by Log 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			



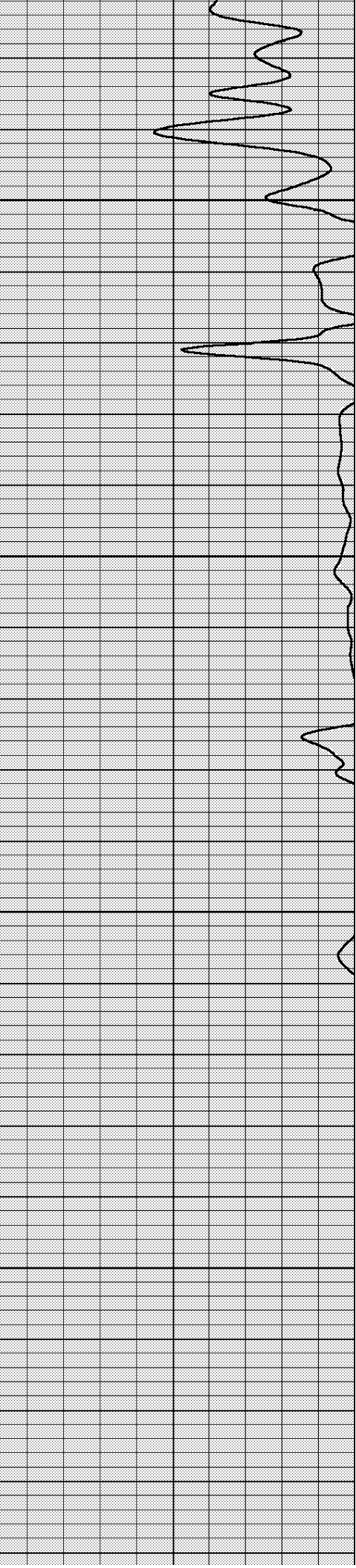
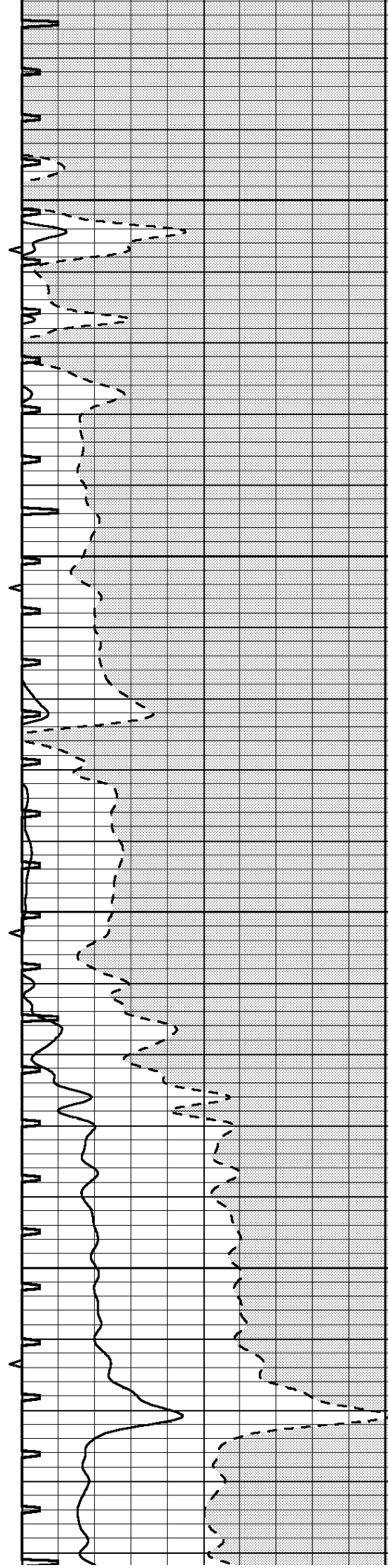


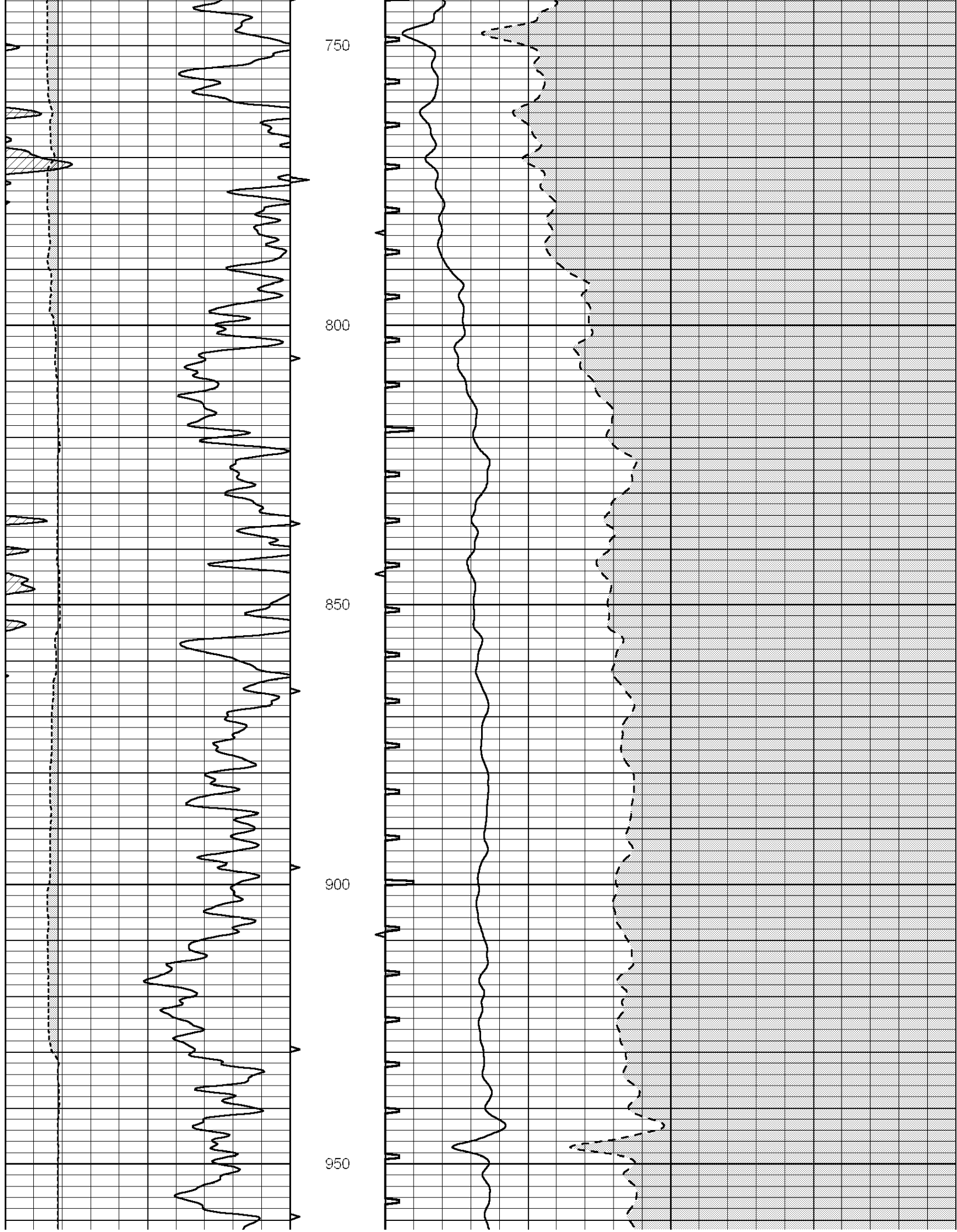
550

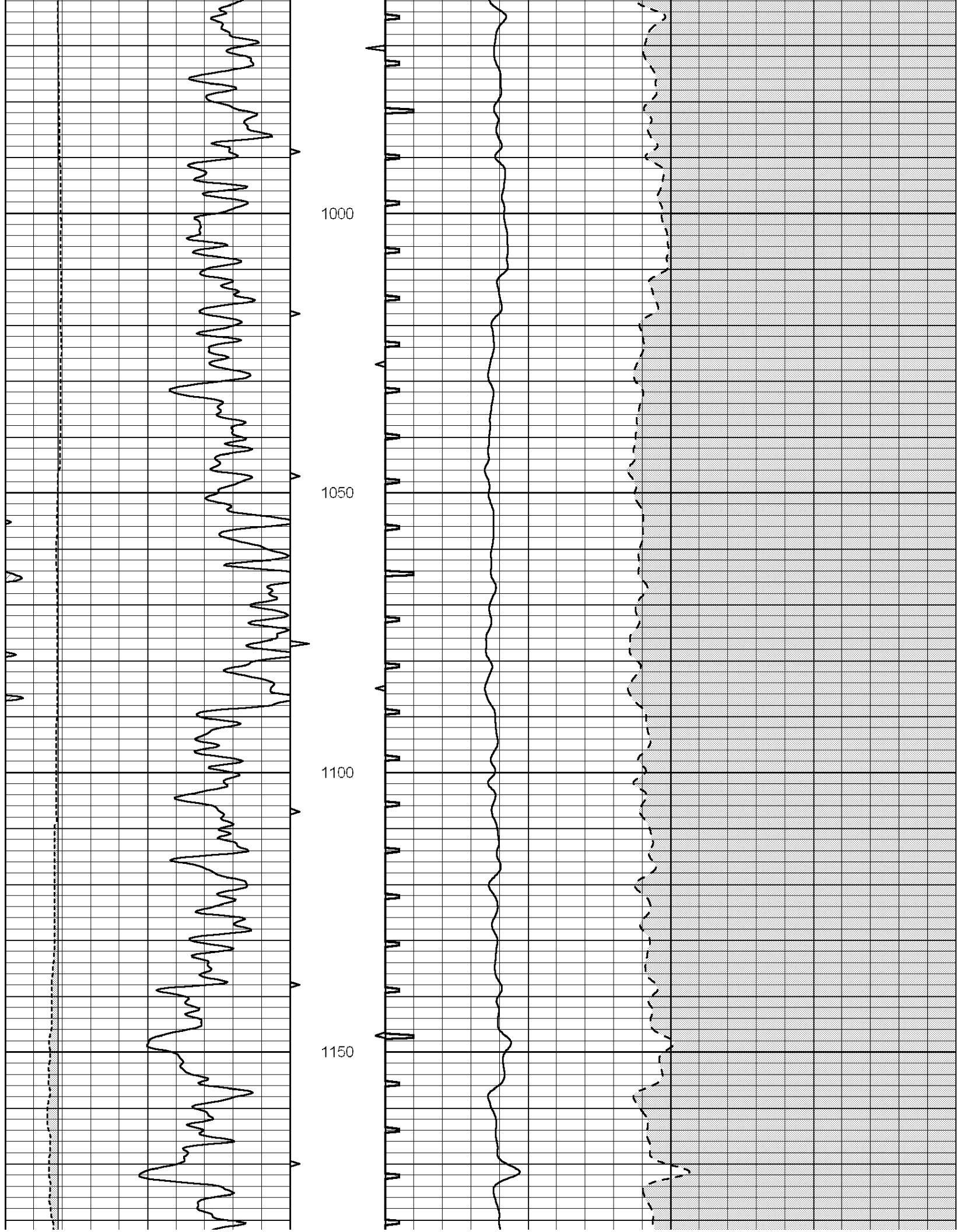
600

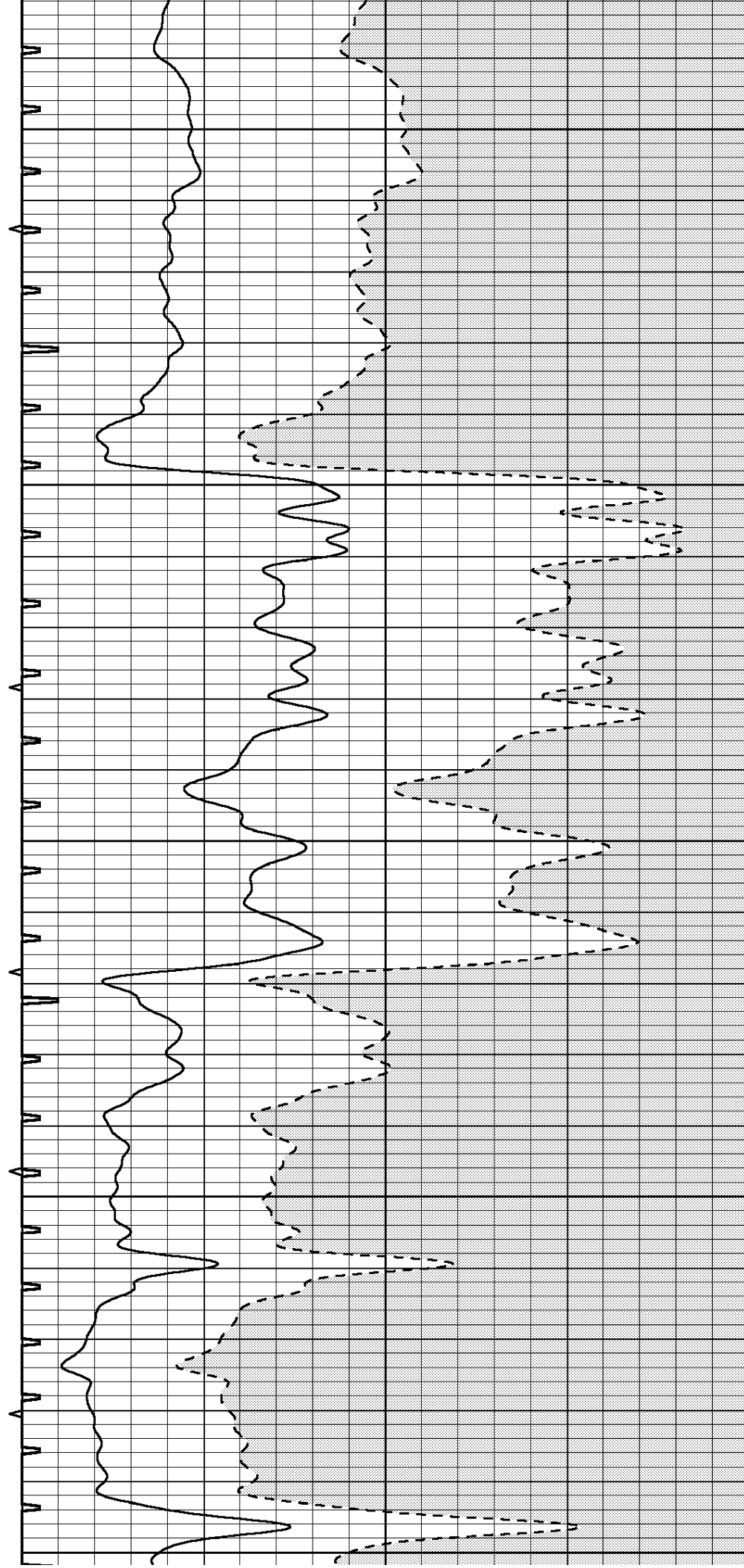
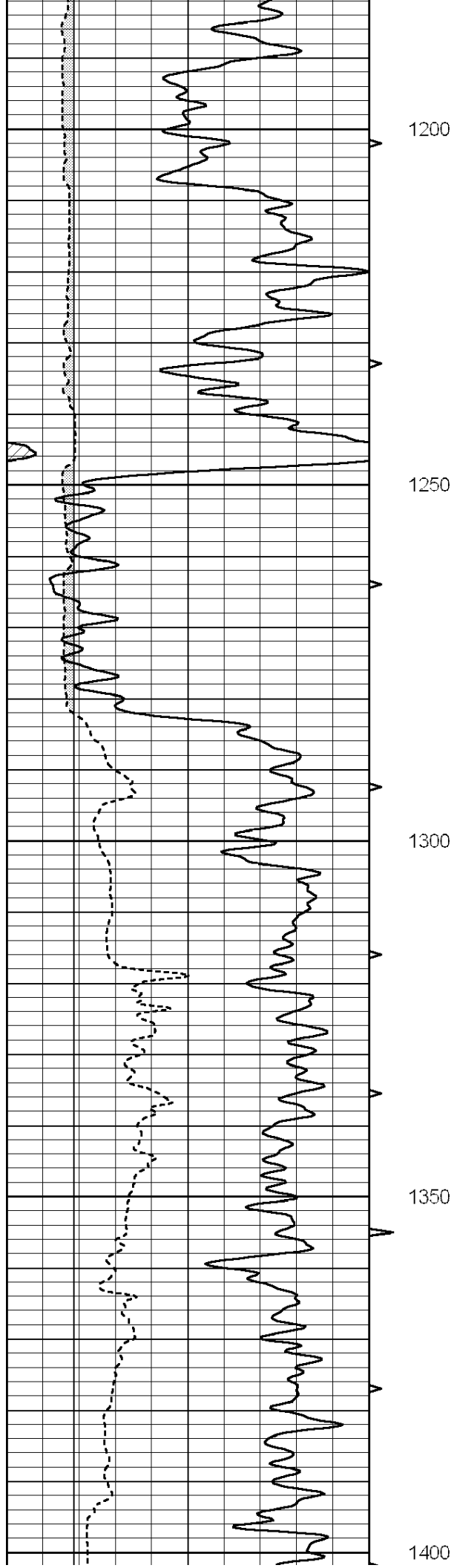
650

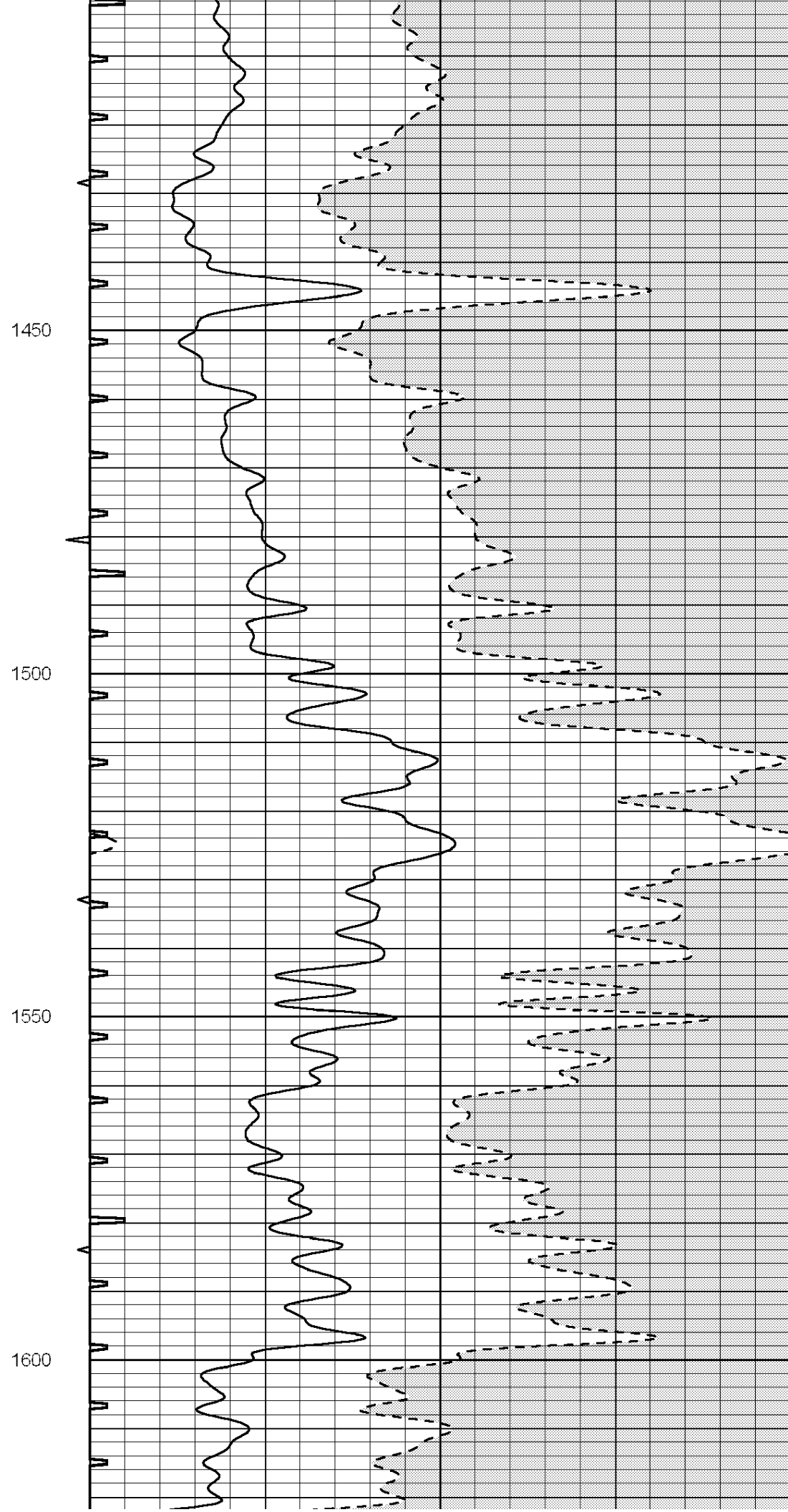
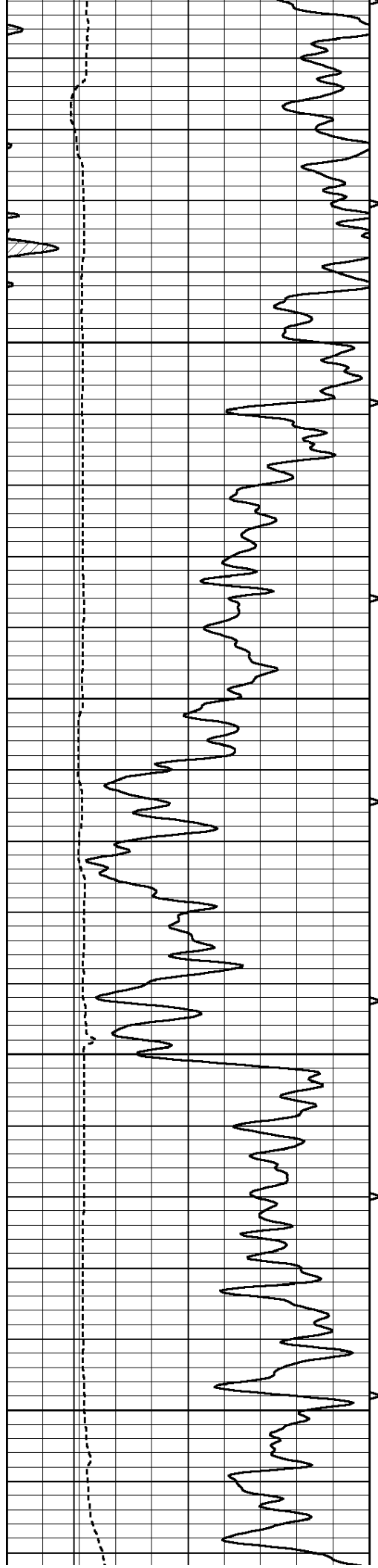
700

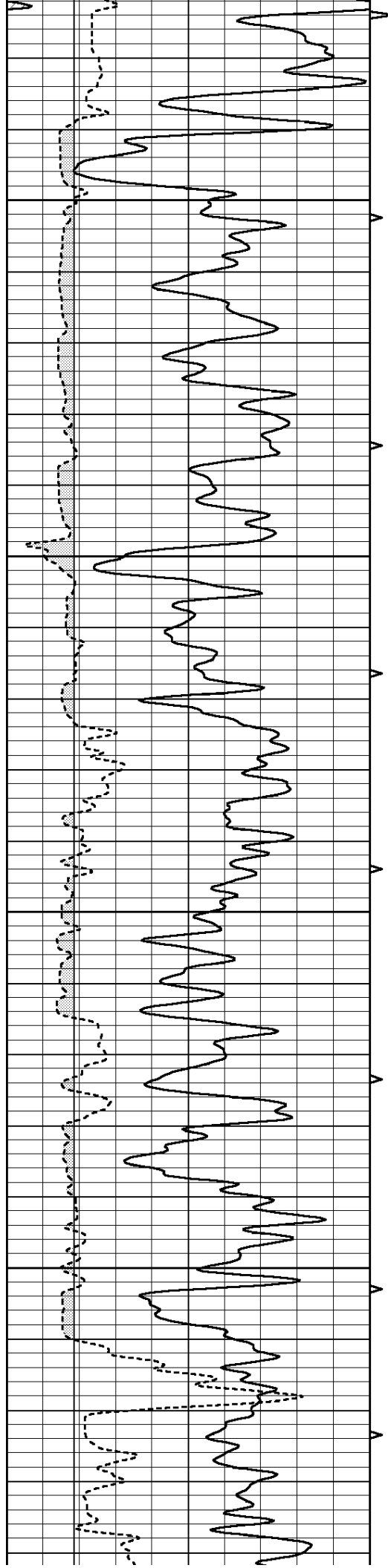










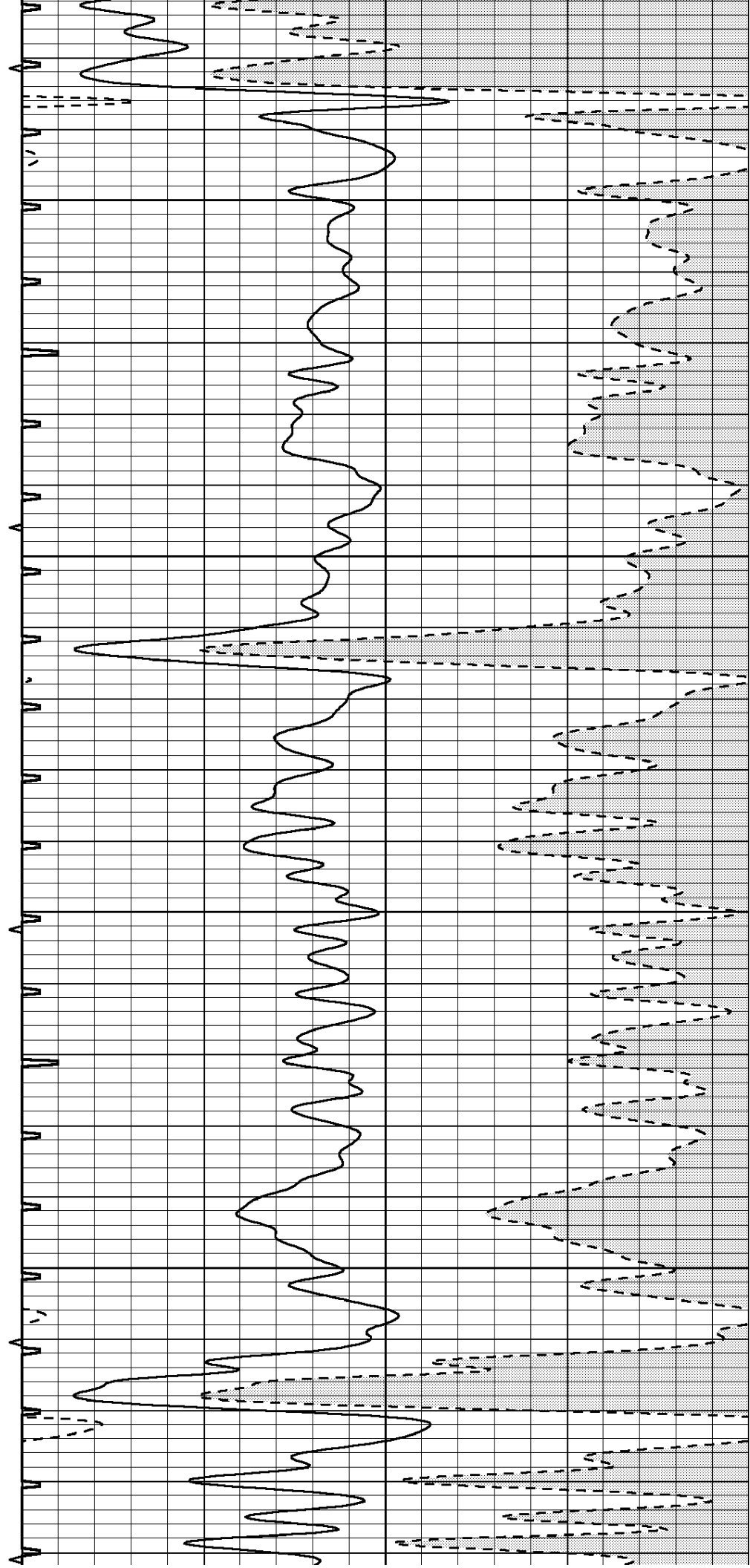


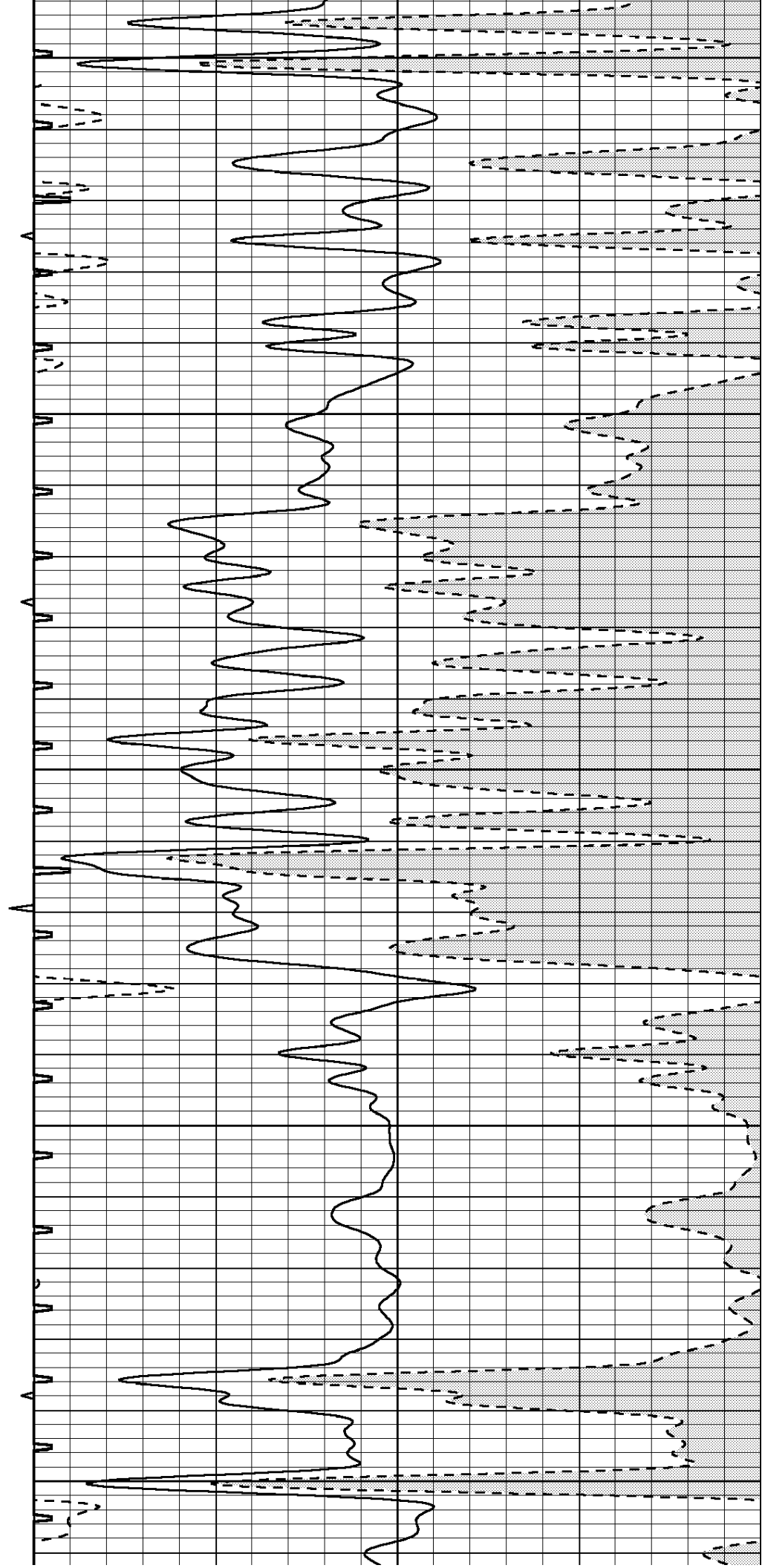
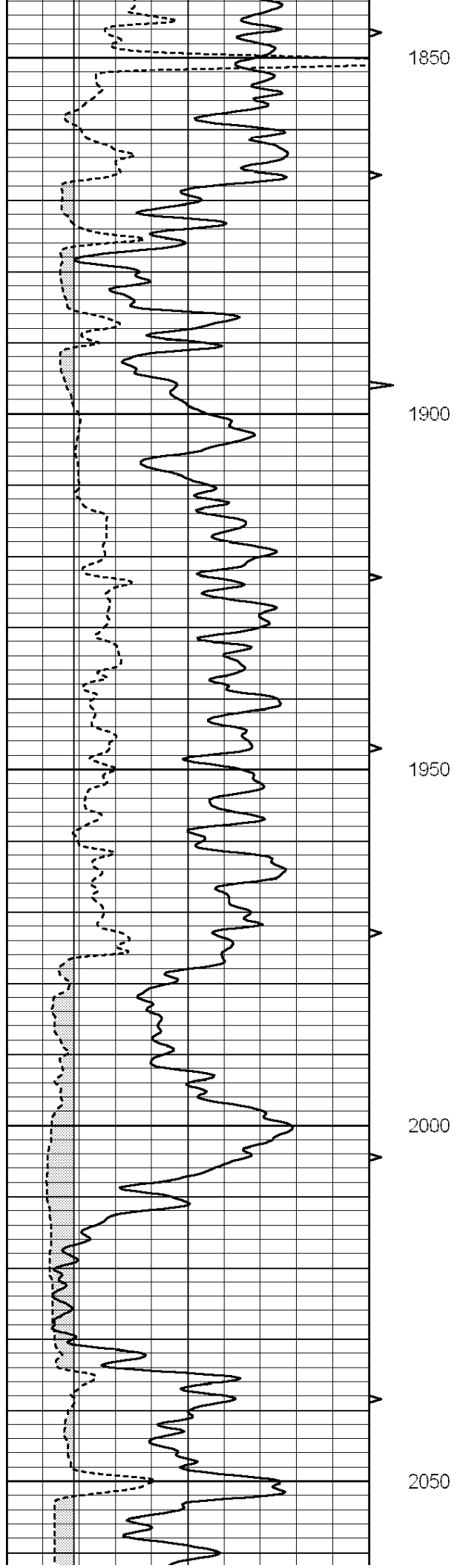
1650

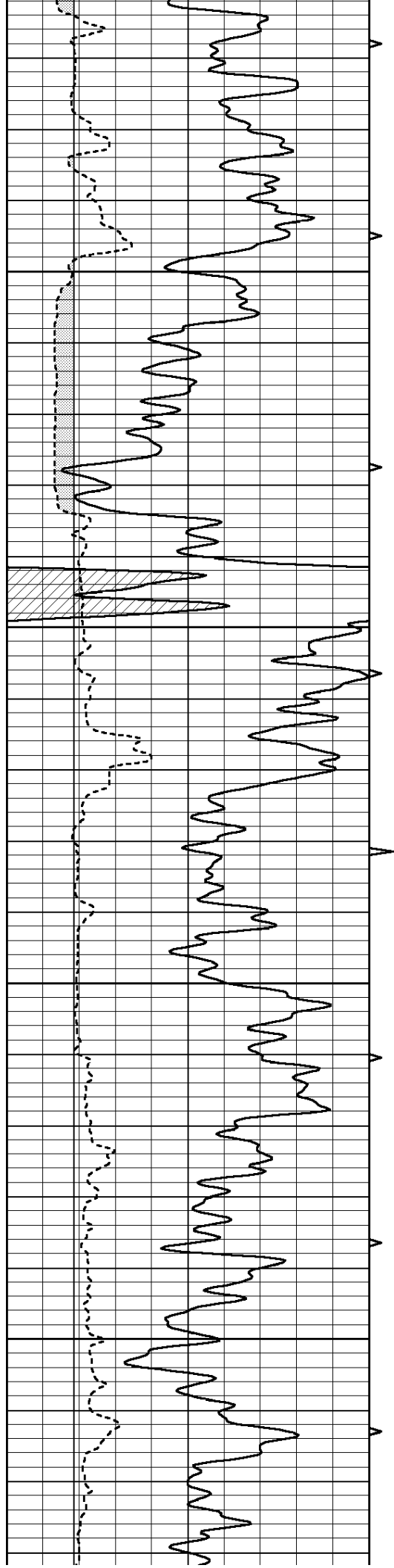
1700

1750

1800





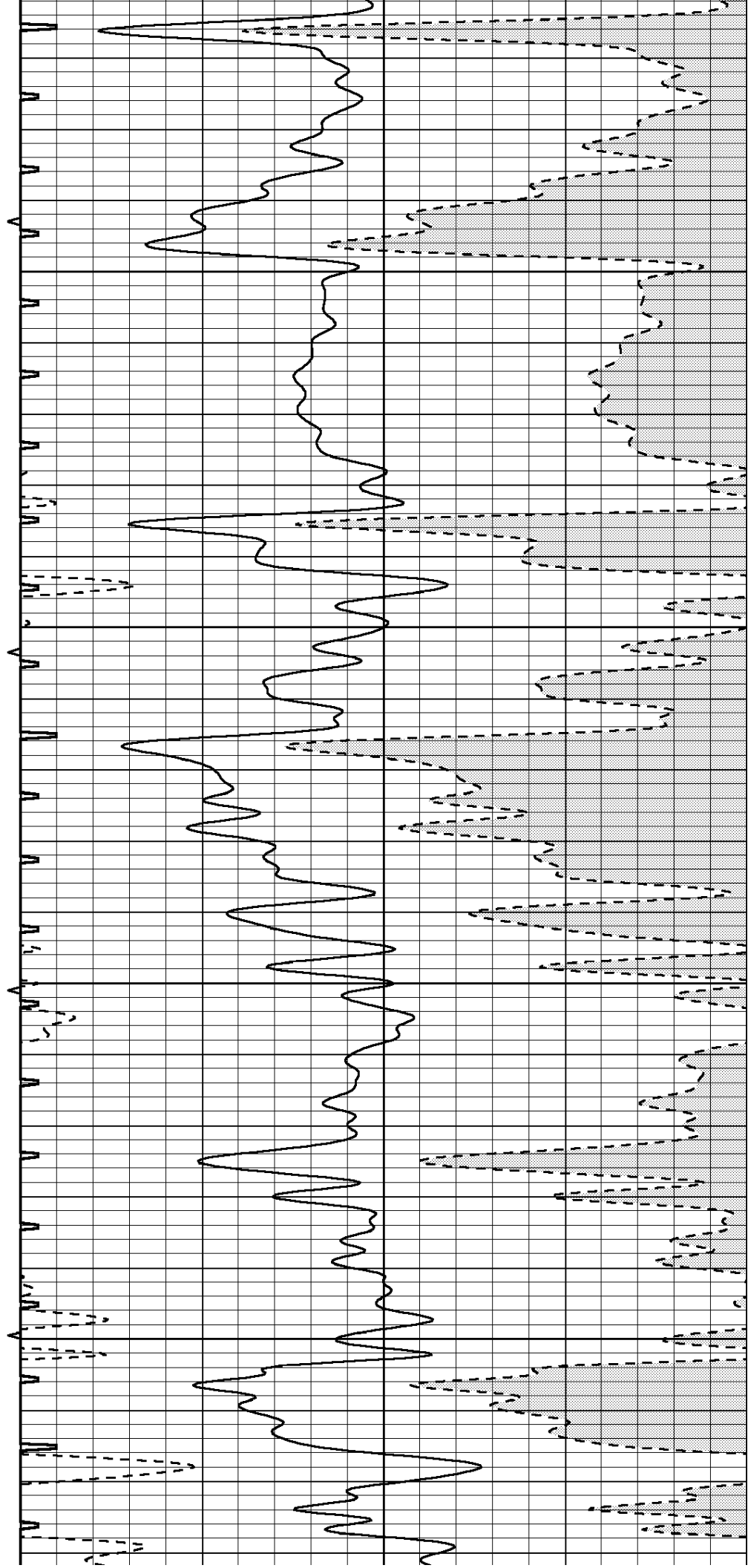


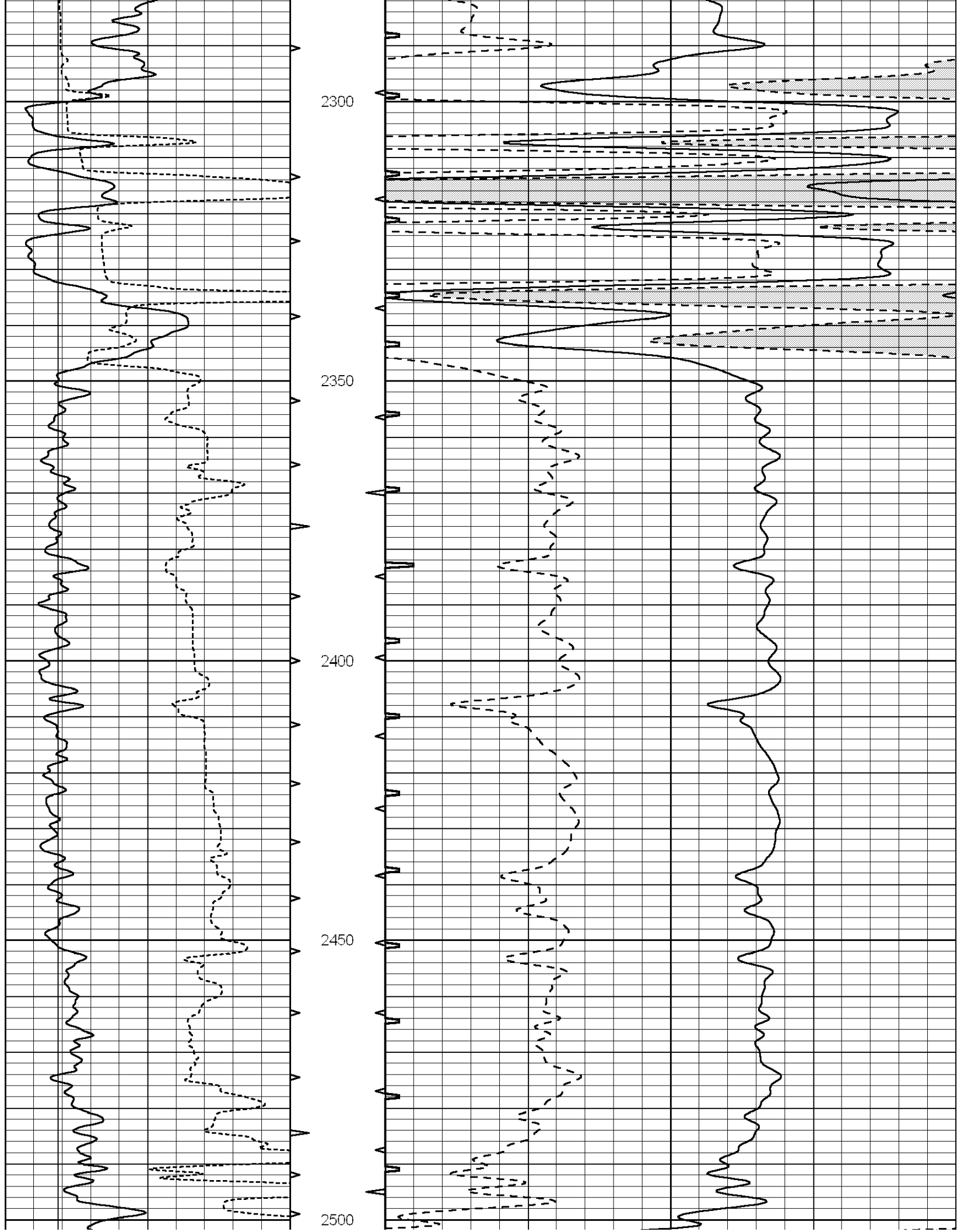
2100

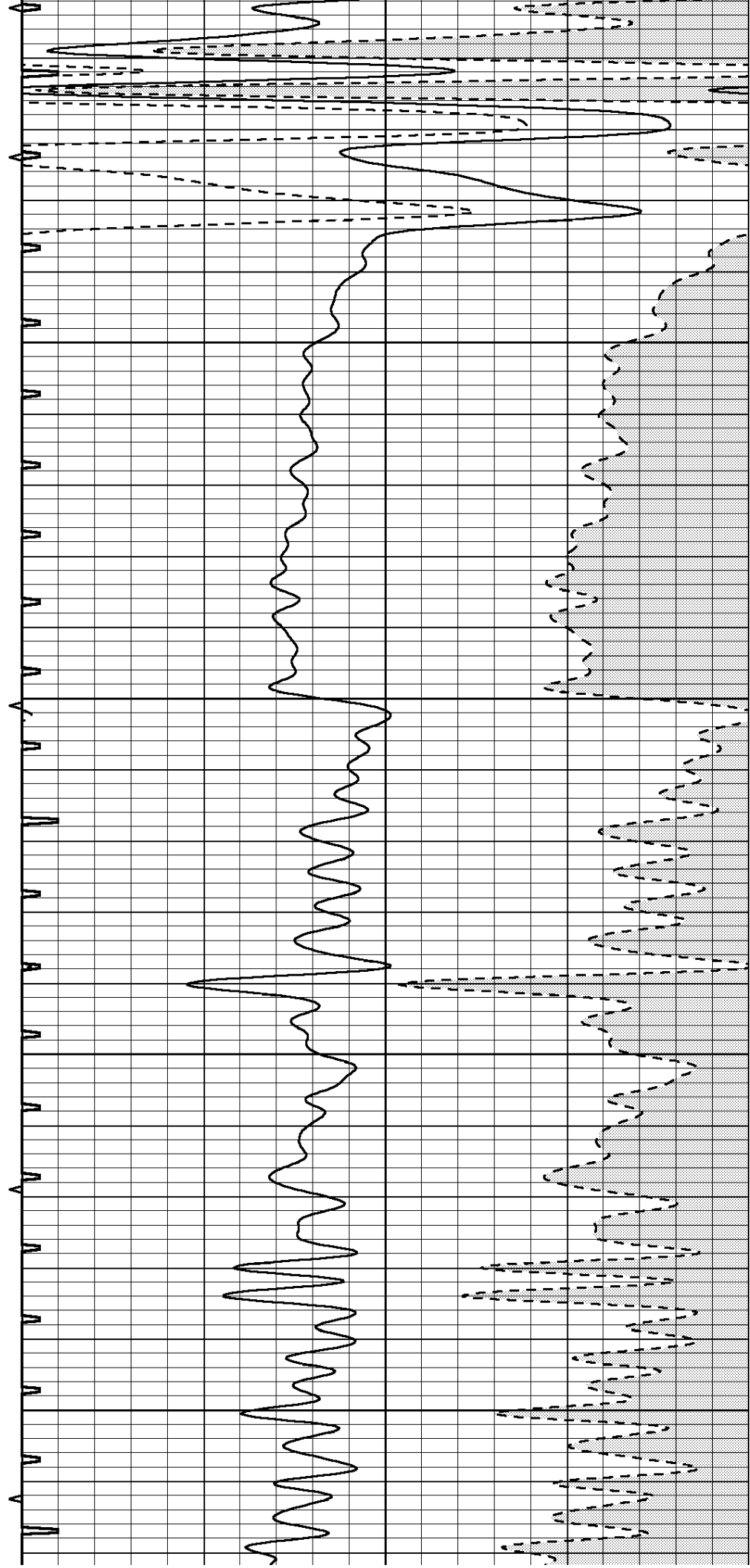
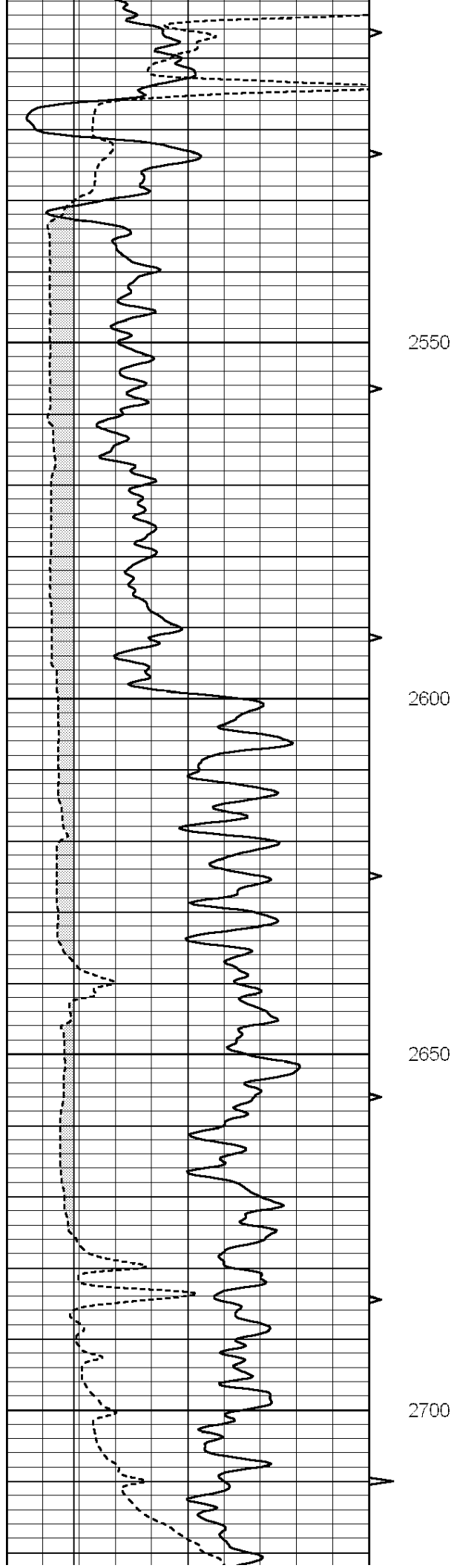
2150

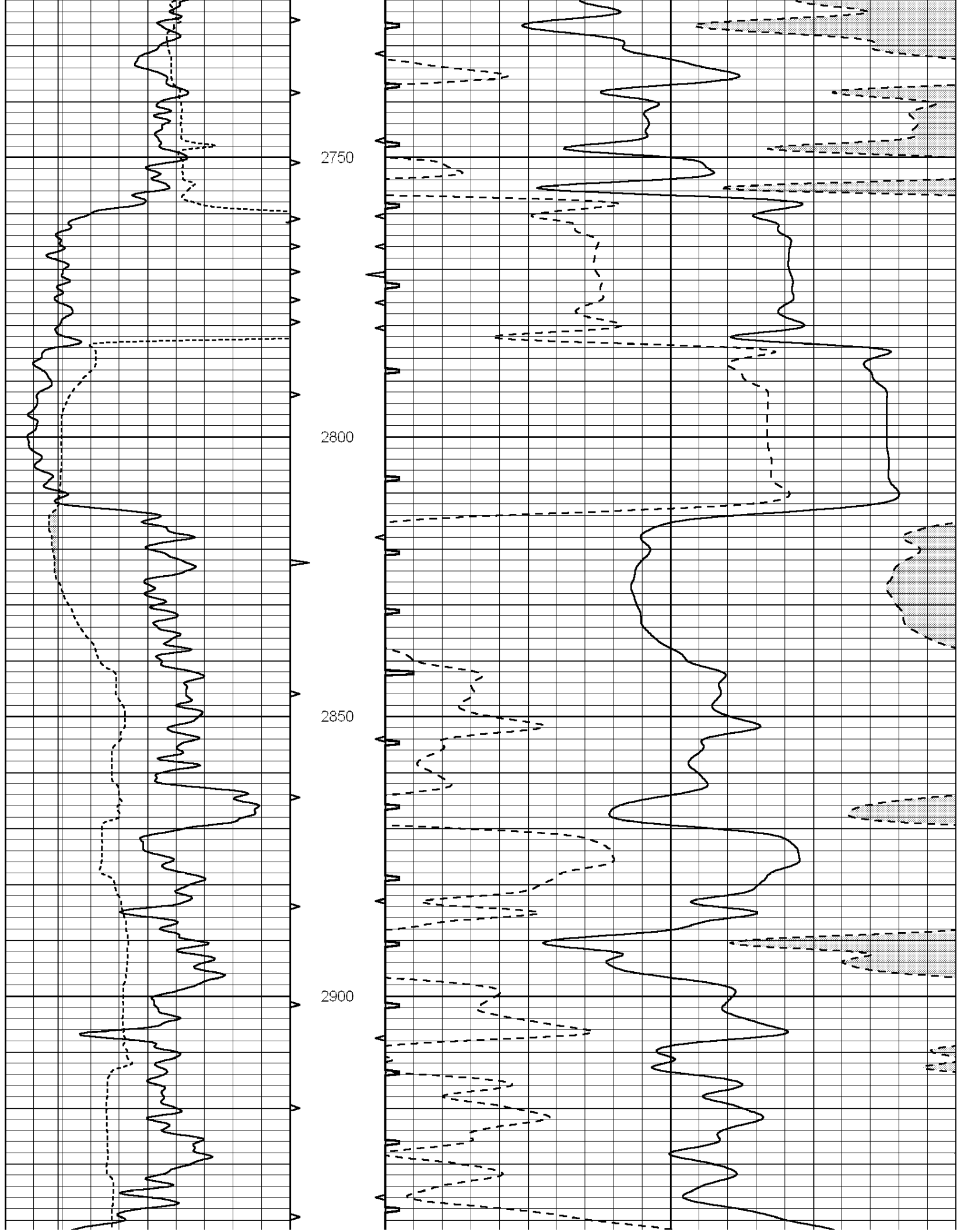
2200

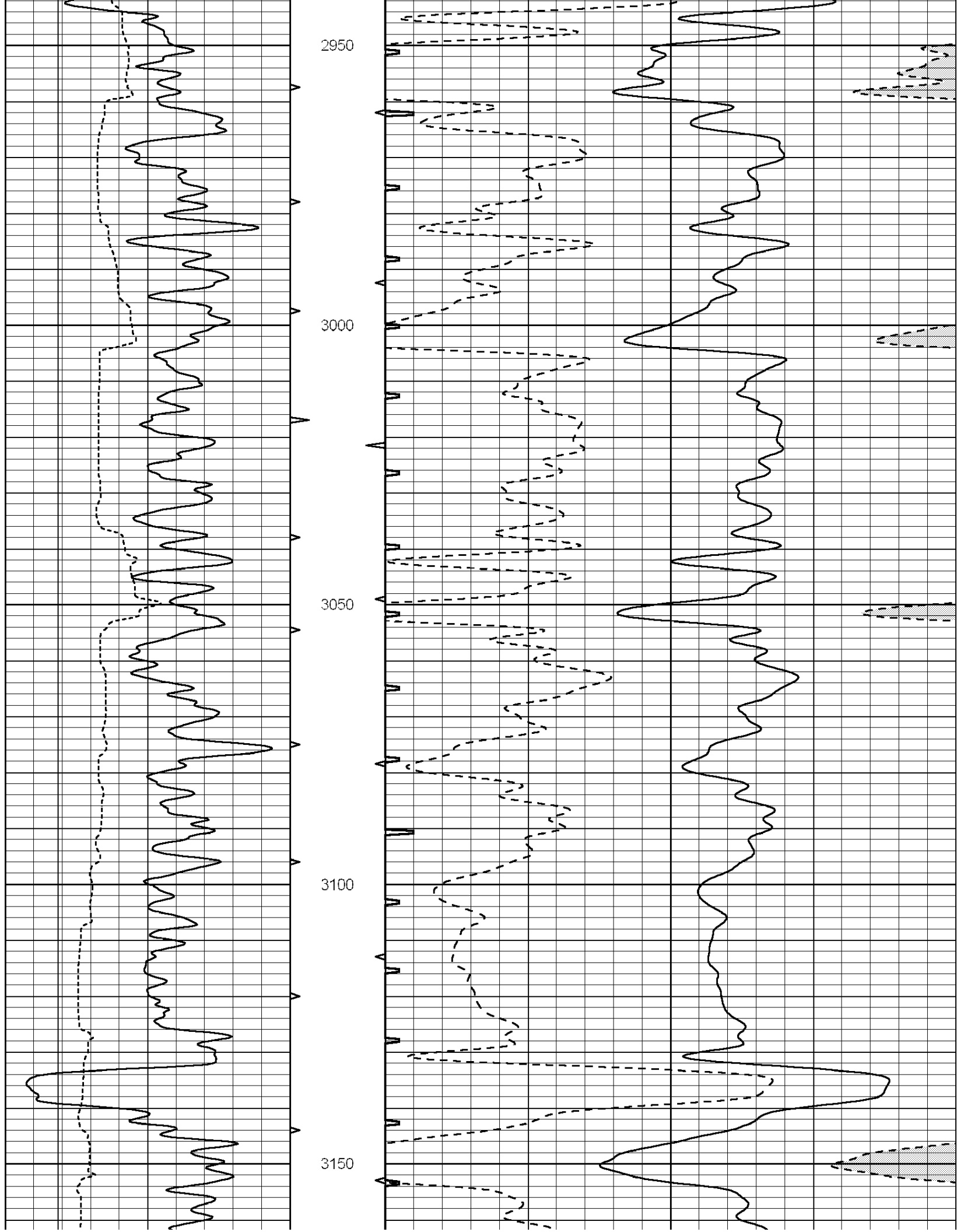
2250

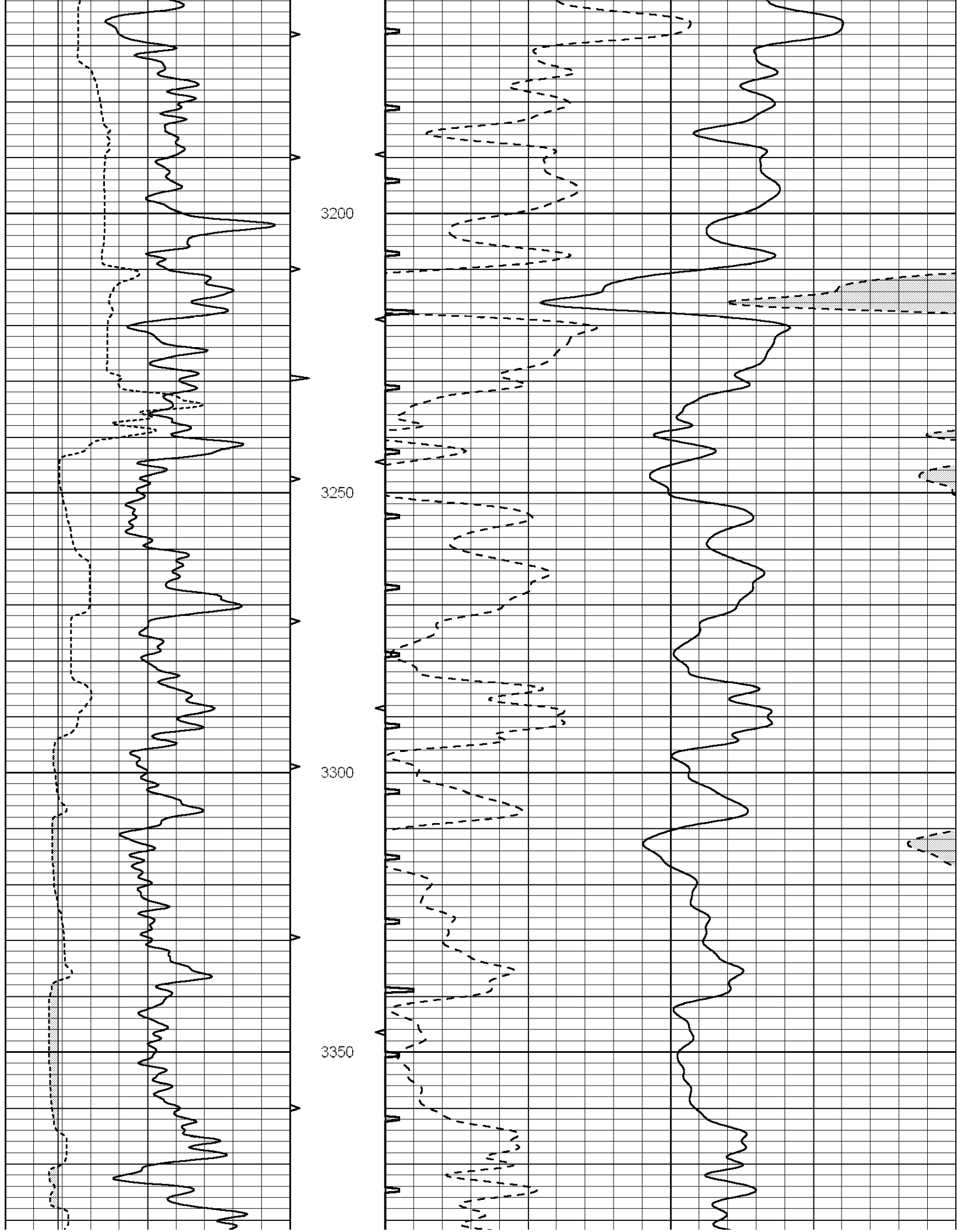


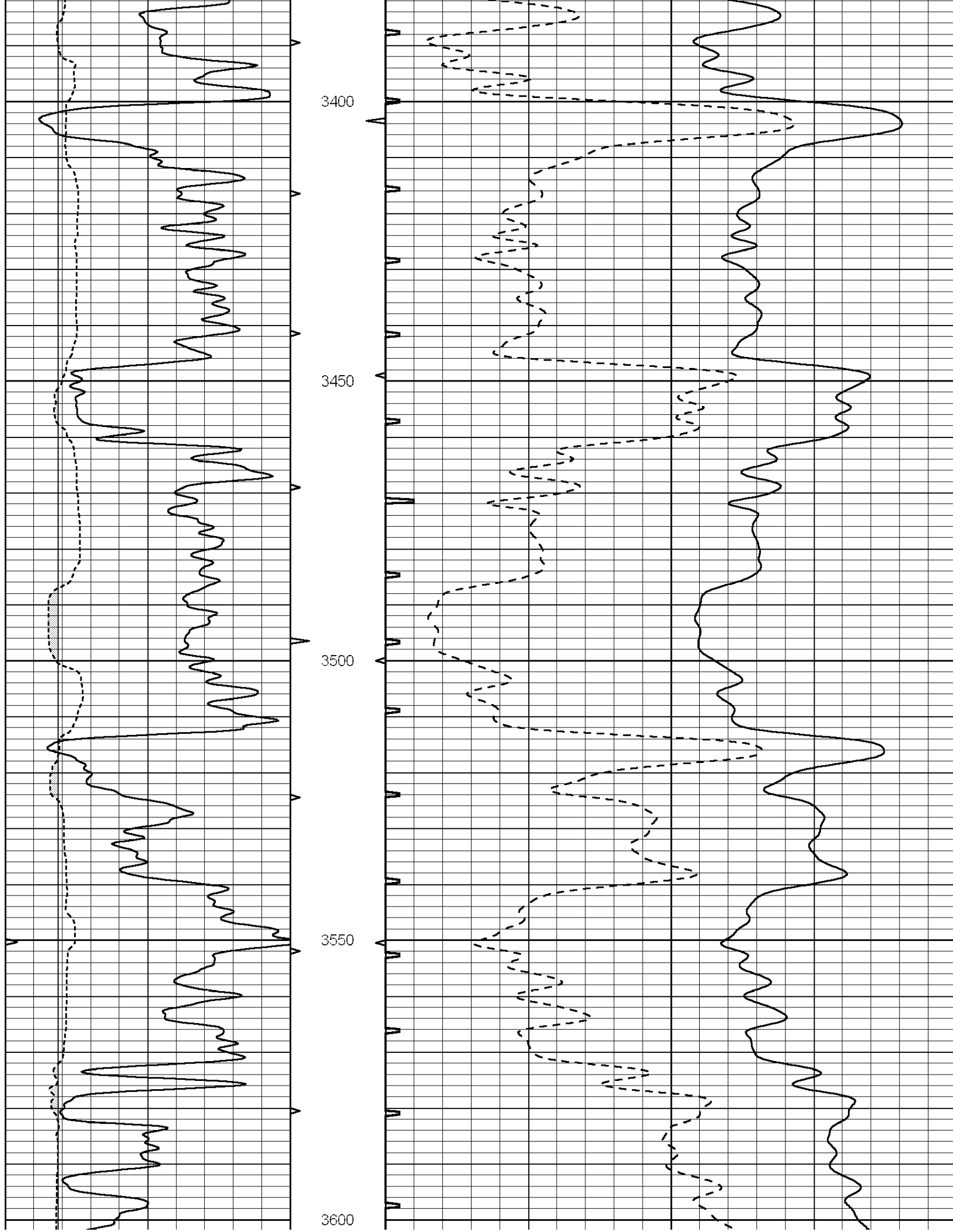


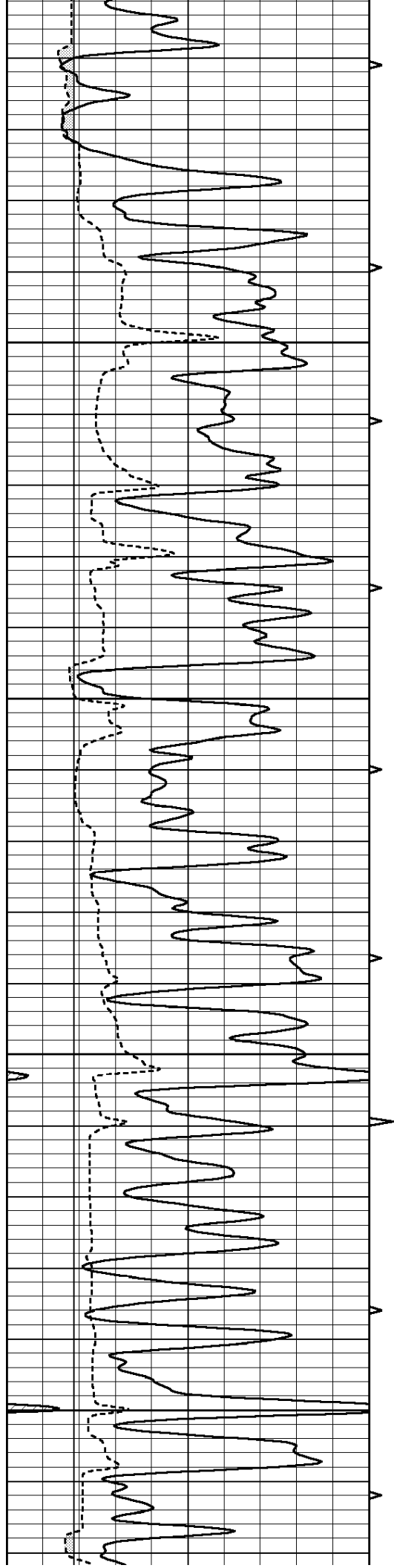










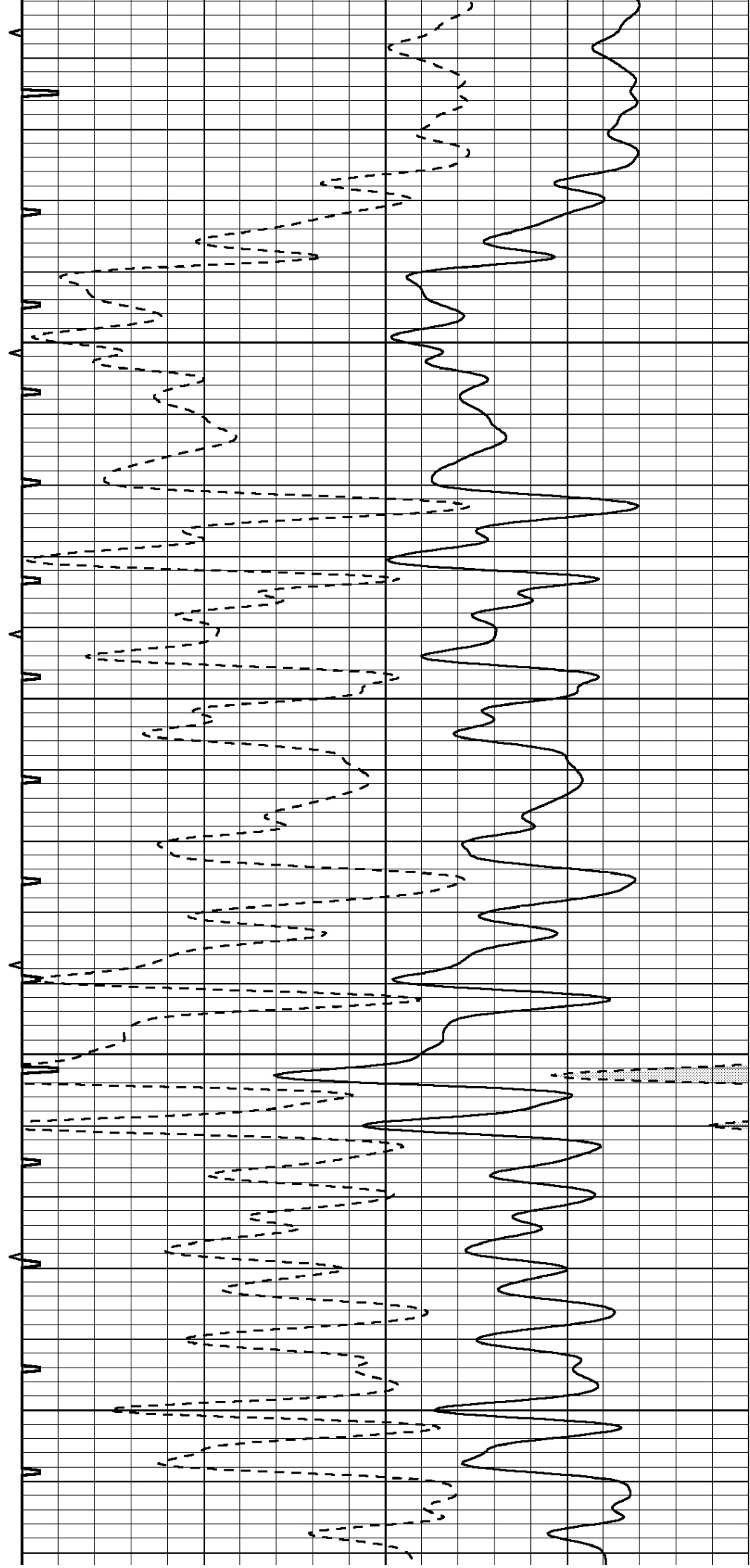


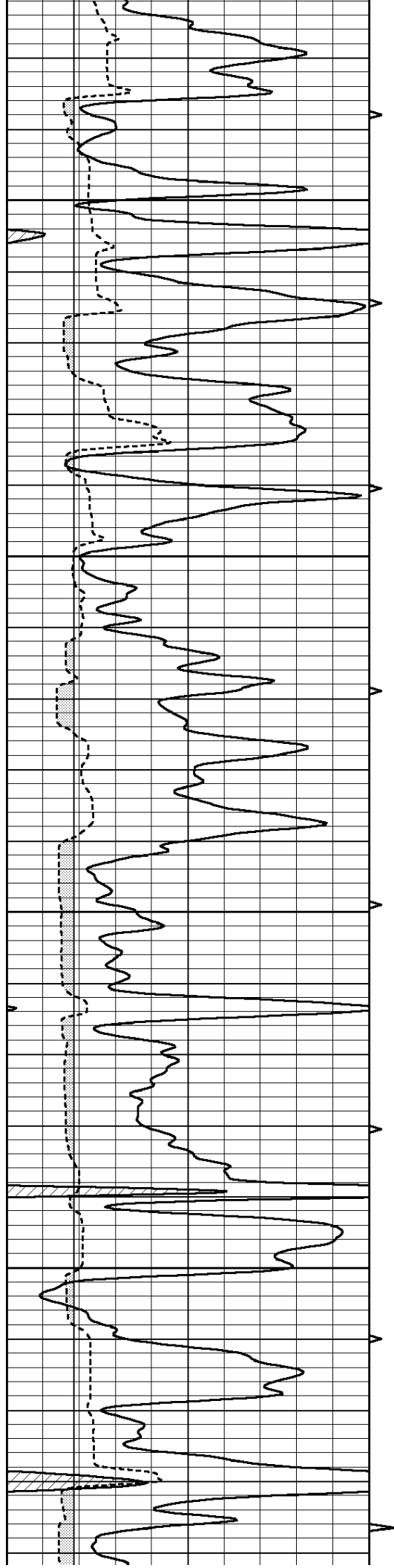
3650

3700

3750

3800



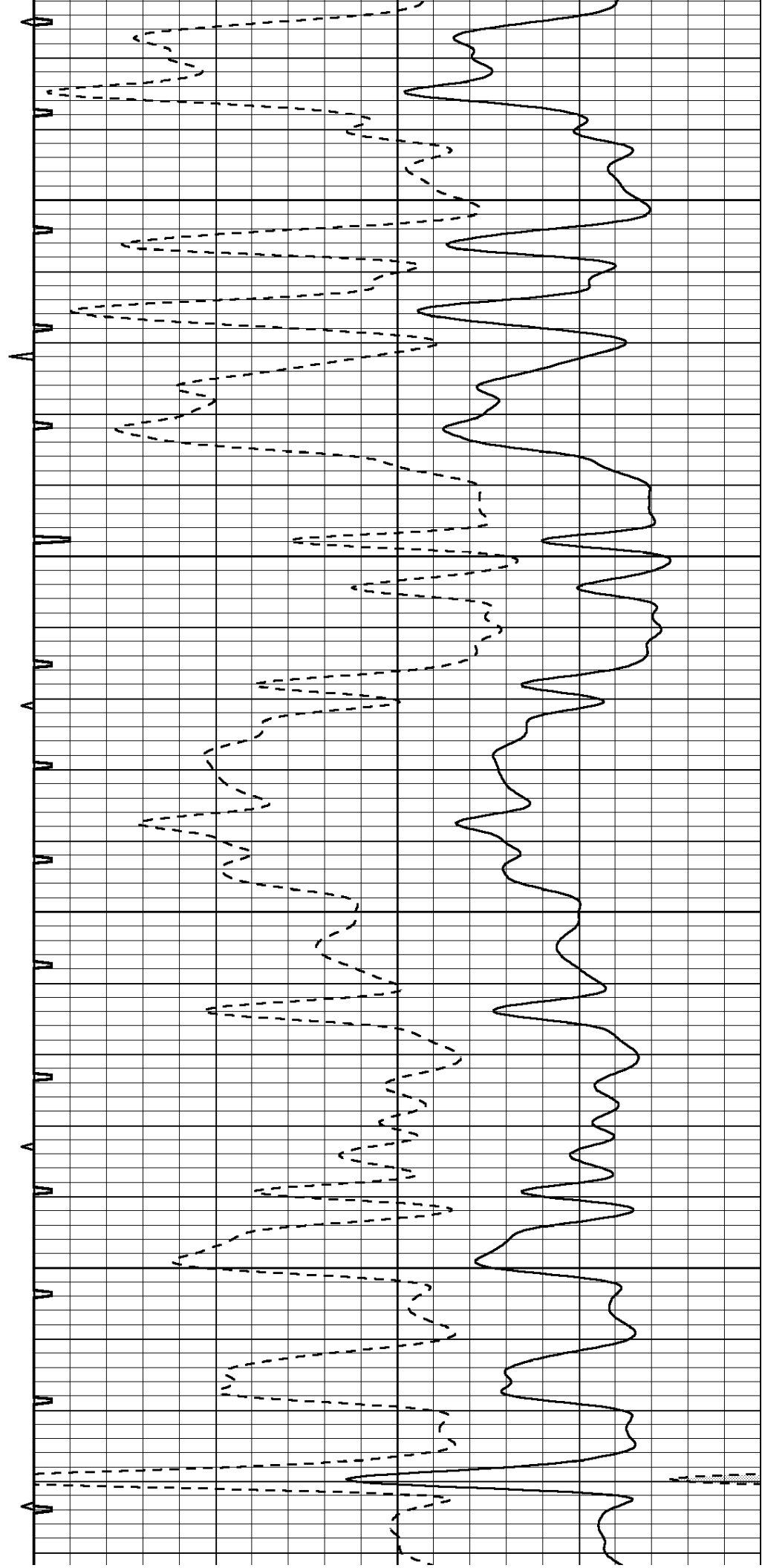


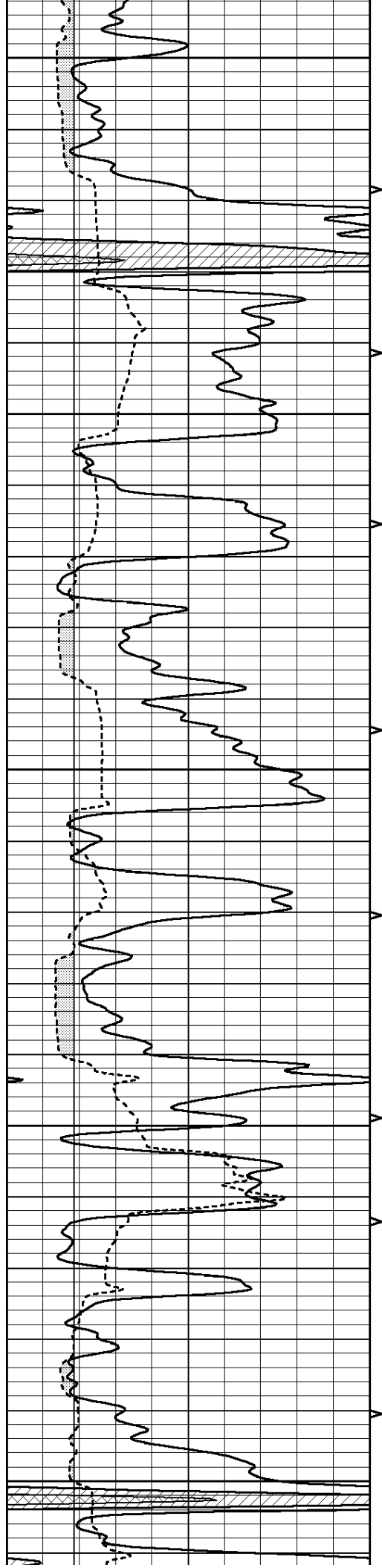
3850

3900

3950

4000





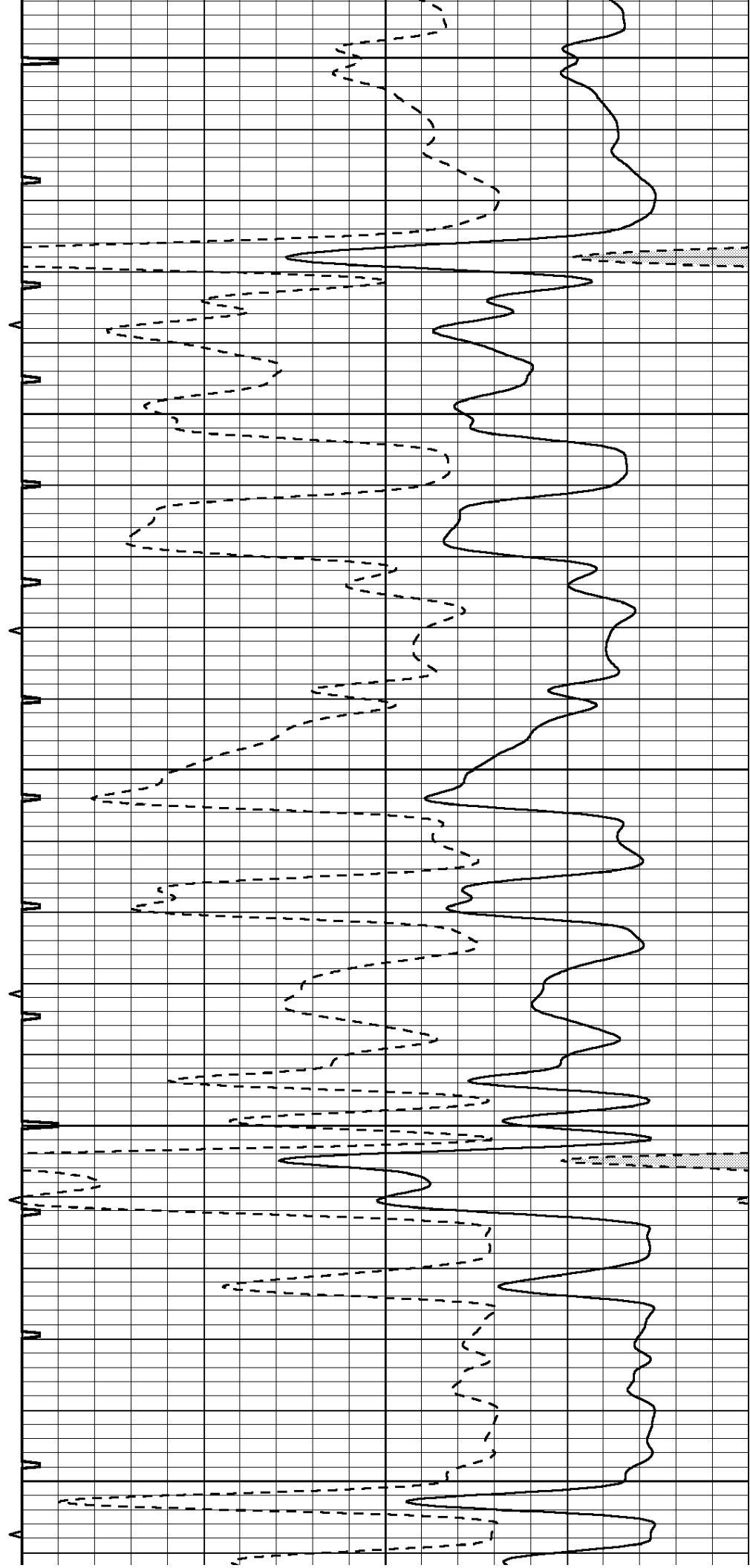
4050

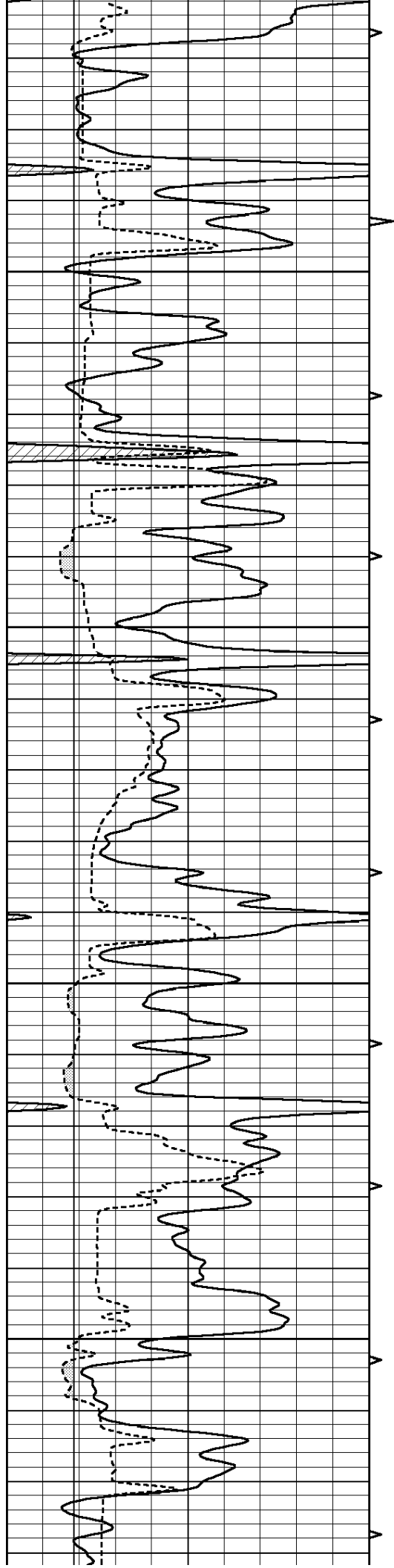
4100

4150

4200

4250



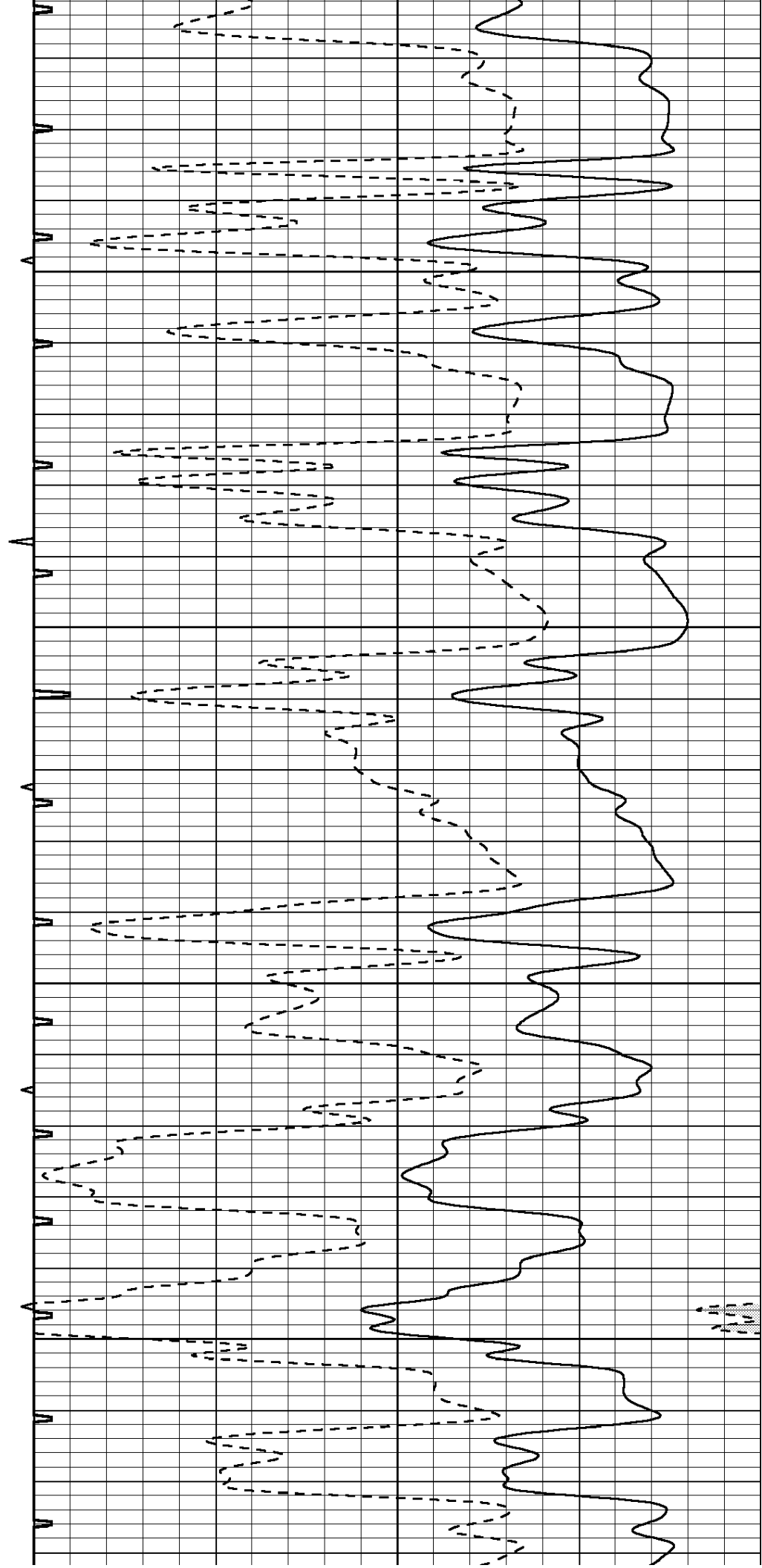


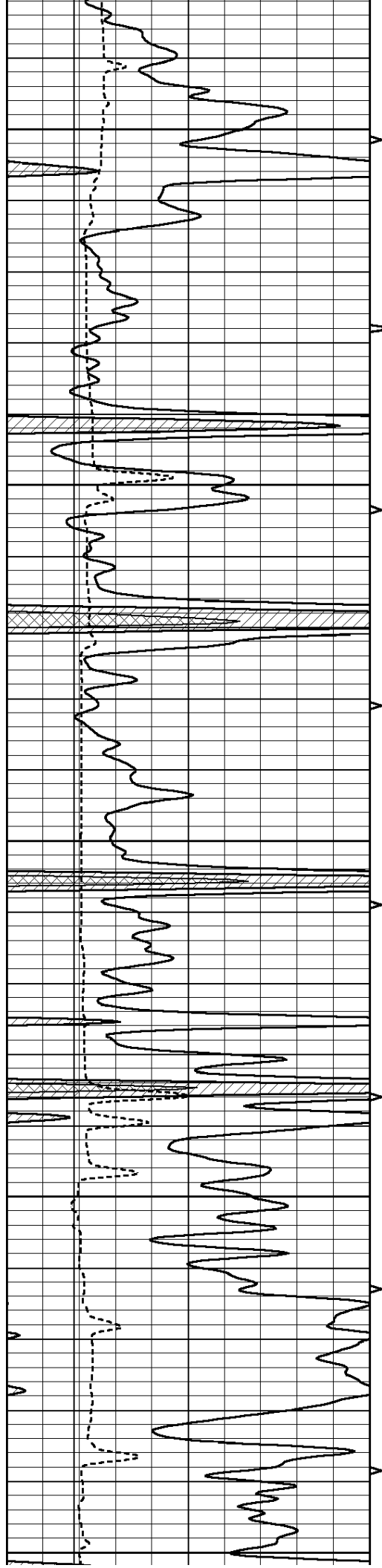
4300

4350

4400

4450





4500

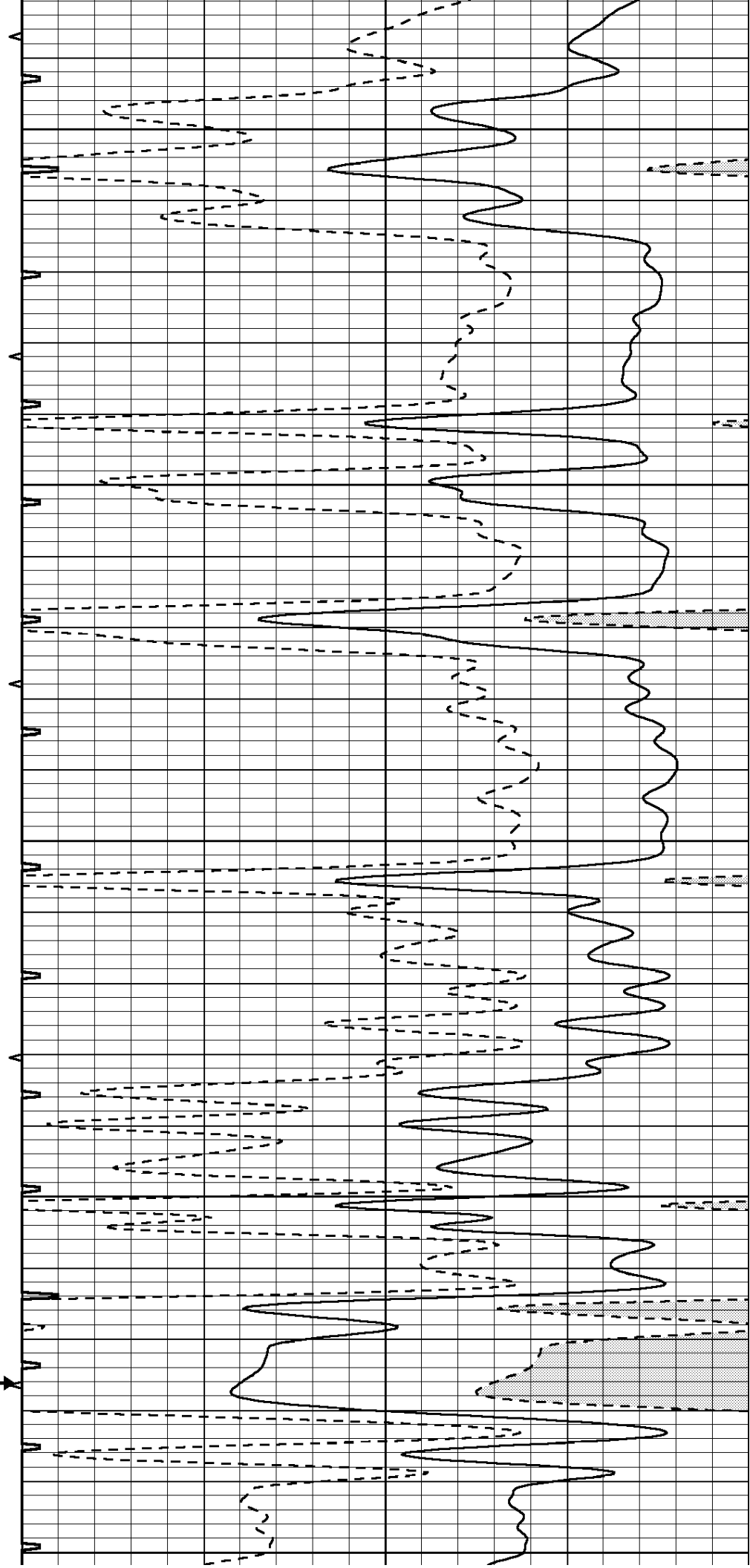
4550

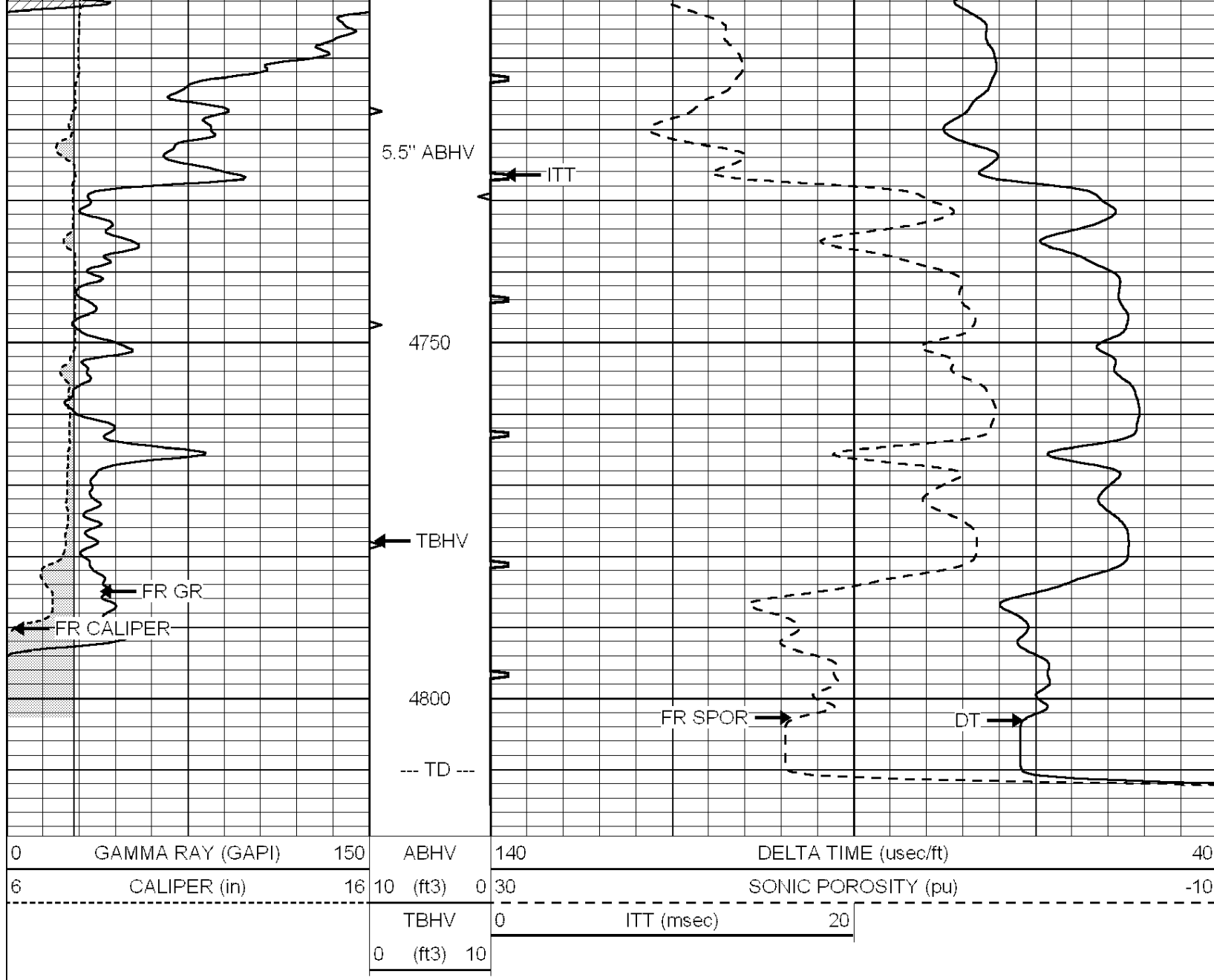
4600

4650

ABHV →

4700

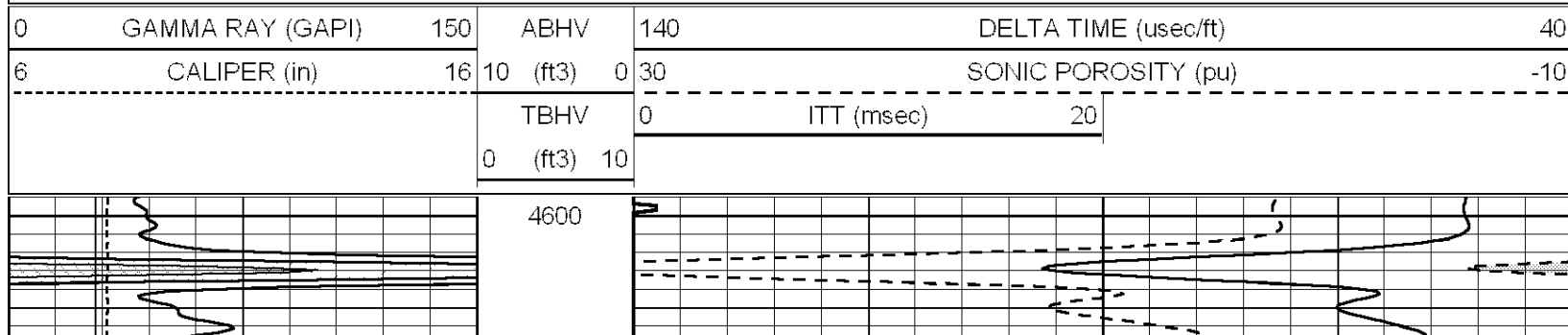


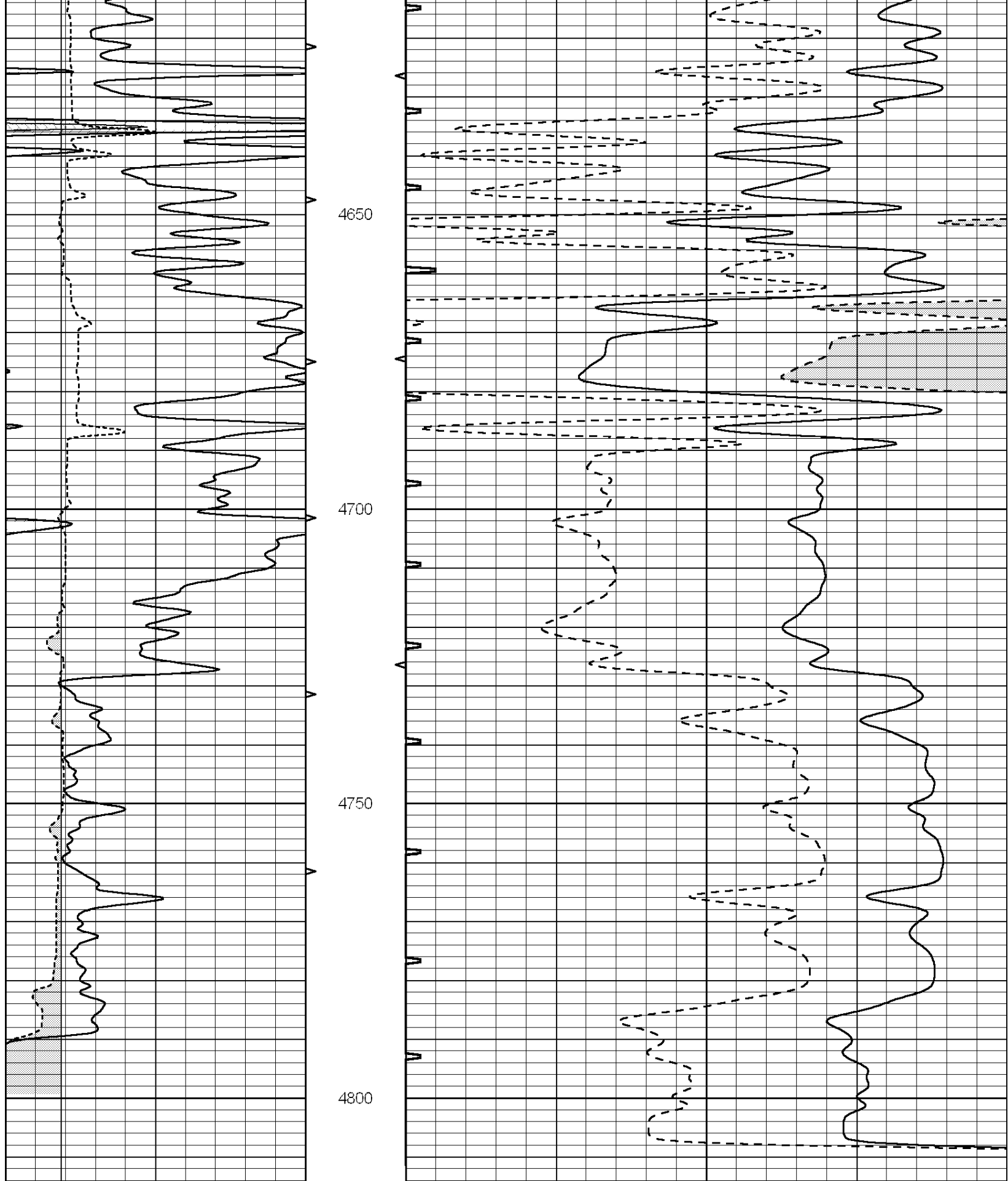


SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 005215ddn.db
 Dataset Pathname: pass4
 Presentation Format: slt
 Dataset Creation: Tue Jun 29 18:28:27 2010 by Log 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		

