



**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company WHITE & ELLIS DRILLING, INC.
Well CHAIN RANCH "C" #1
Field AMBER CREEK
County BARBER
State KANSAS

Company WHITE & ELLIS DRILLING, INC.
Well CHAIN RANCH "C" #1
Field AMBER CREEK
County BARBER State KANSAS

Location: API # : 15-007-24162-0000
330' FNL & 660' FEL
N/2 - NE - NE
SEC 2 TWP 31S RGE 12W
Permanent Datum GROUND LEVEL Elevation 1605
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL/PE
DIL/MEL
Elevation
K.B. 1615
D.F. 1613
G.L. 1605

Date	4/29/14
Run Number	TWO
Depth Driller	5152
Depth Logger	5152
Bottom Logged Interval	5144
Top Log Interval	300
Casing Driller	8 5/8"@350'
Casing Logger	348
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.5/56
pH / Fluid Loss	9.5/9.6
Source of Sample	FLOWLINE
Rim @ Meas. Temp	.950@50F
Rmf @ Meas. Temp	.713@50F
Rmc @ Meas. Temp	1.14@50F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.377@126F
Time Circulation Stopped	6 HOURS
Time Logger on Bottom	7:15 P.M.
Maximum Recorded Temperature	126F
Equipment Number	4854
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	ADAM NIGHSWONGER

<<< 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

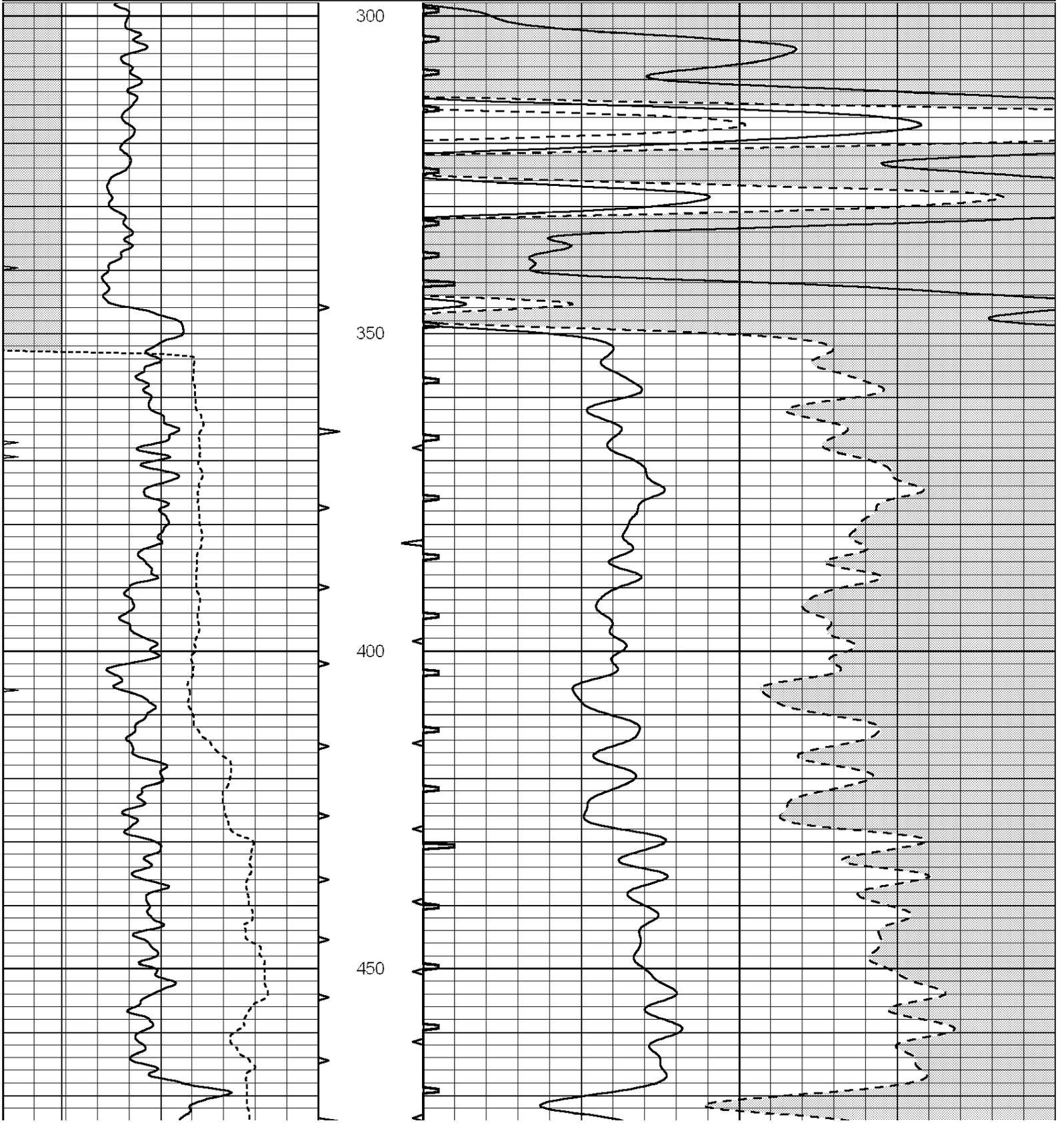
THANK YOU FOR USING "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS
MEDININE LODGE, KS., 7N. ON HWY 281 TO "99 SPRINGS RD.", 1/2E. TO "GALLARDIA RD.", 1/2S. TO
CATTLE GUARD, W. INTO THEN BACK NORTH
(ALTERNATE) - 10S. OF SAWYER, KS.

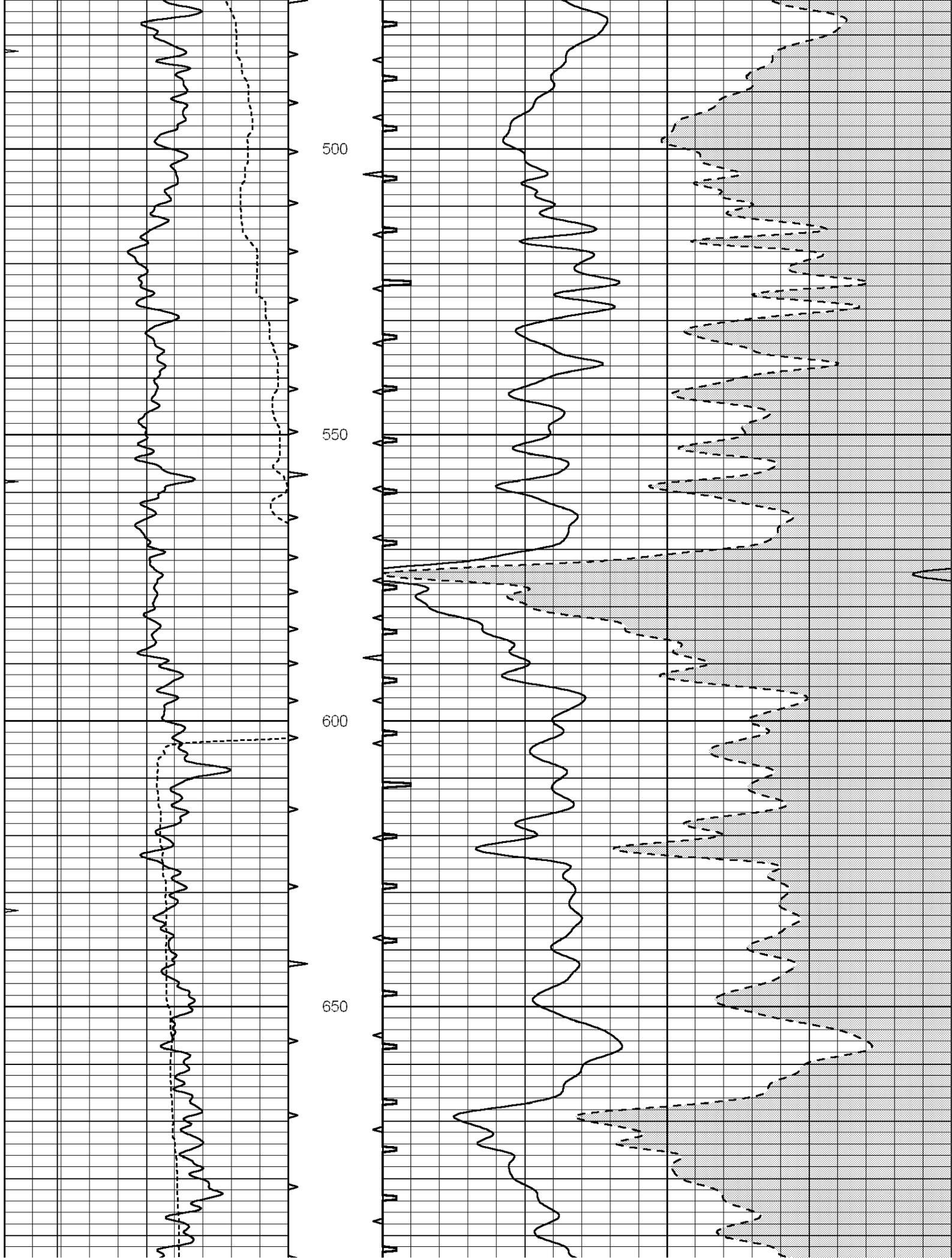


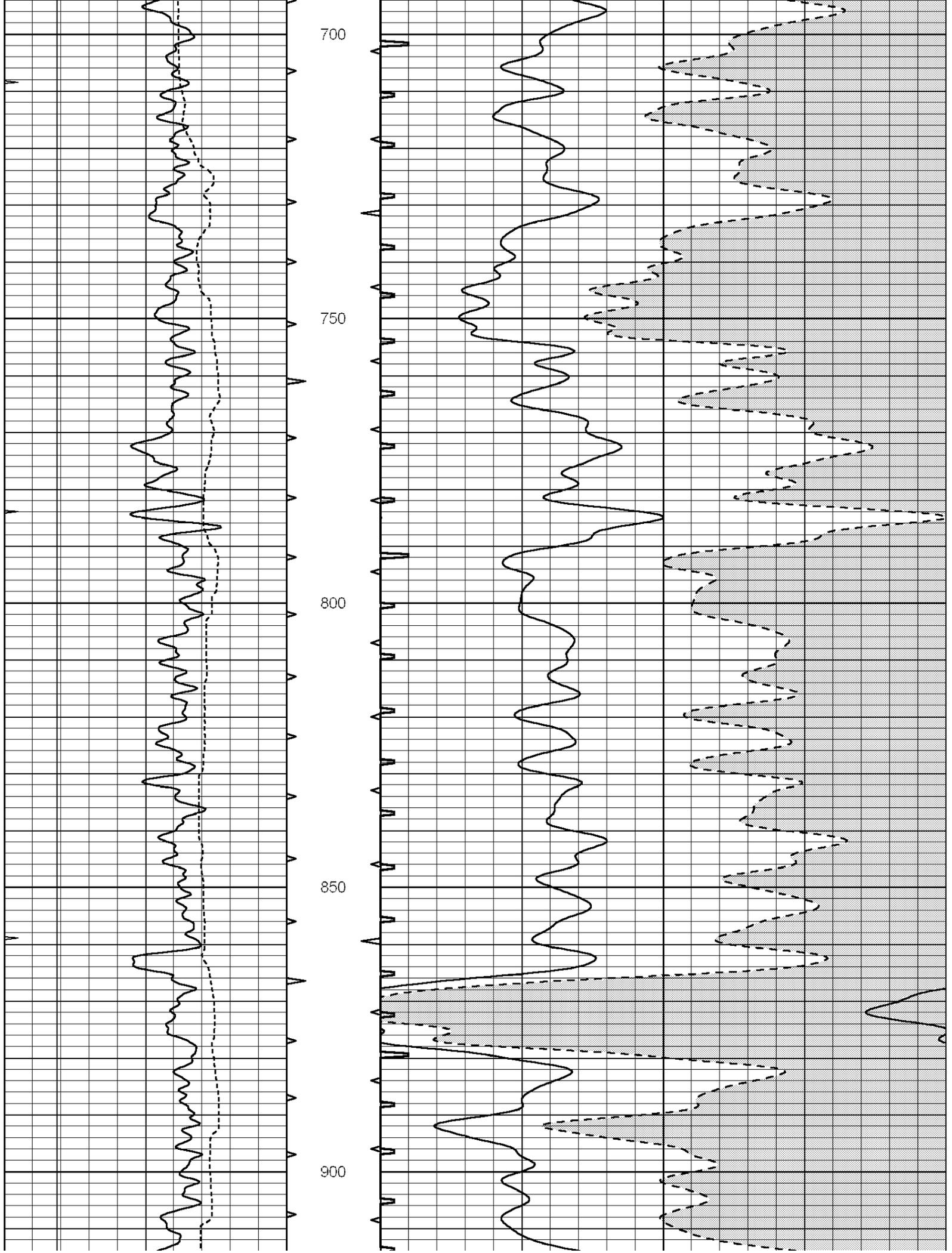
MAIN SECTION

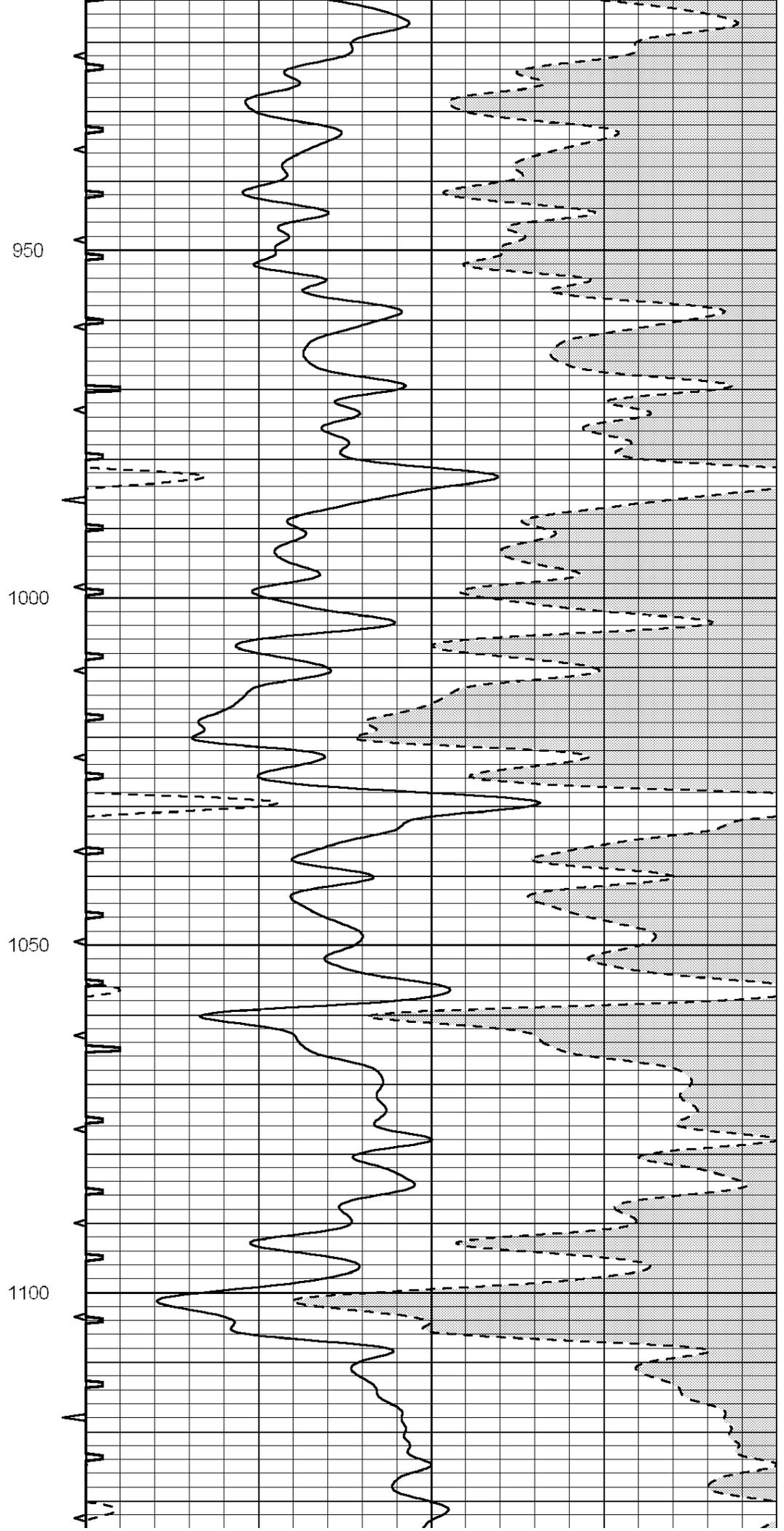
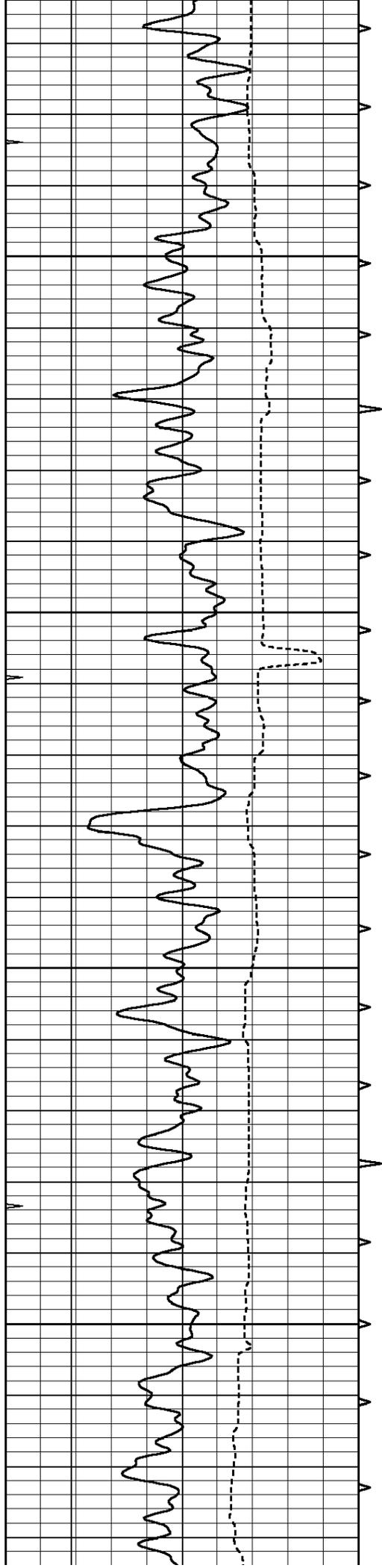
Database File: 23819pe.db
 Dataset Pathname: pass6.7
 Presentation Format: slt
 Dataset Creation: Tue Apr 29 23:52:06 2014 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

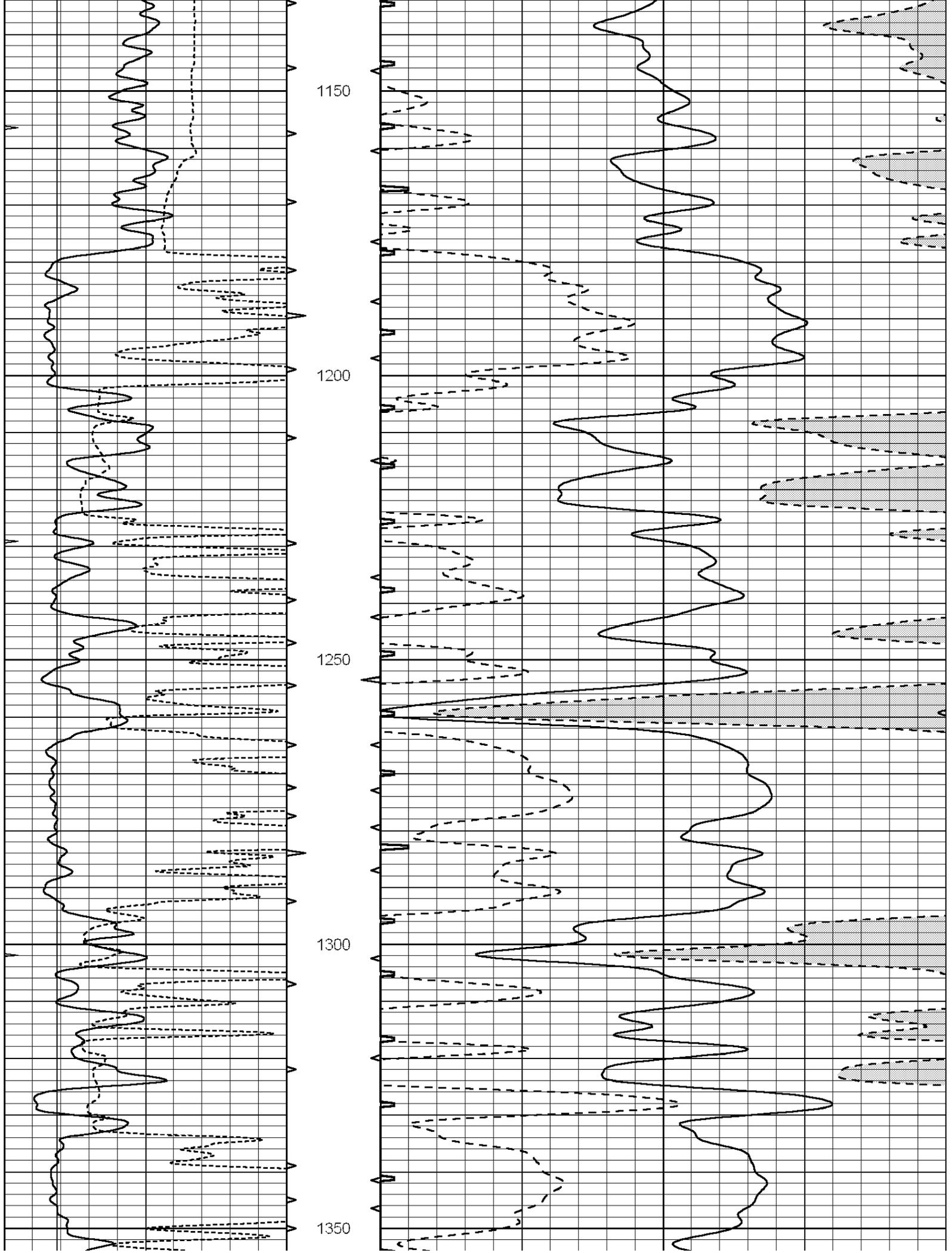
0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40	
6	CALIPER (in)	16	10 (ft3)	0	30	SONIC POROSITY (pu)	-10
0	MINMK	20	TBHV	0	ITT (msec)	20	
			0 (ft3)	10			

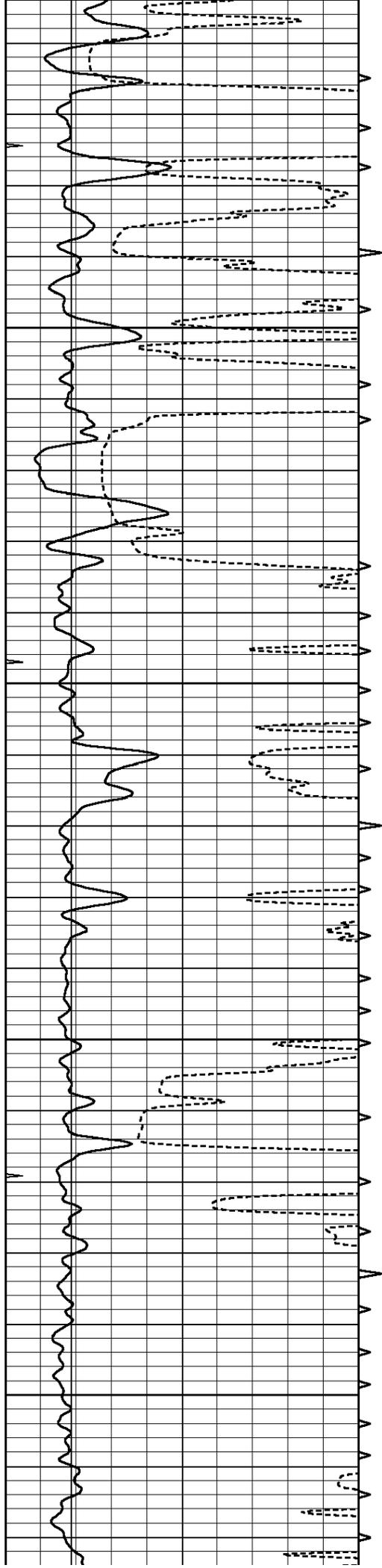










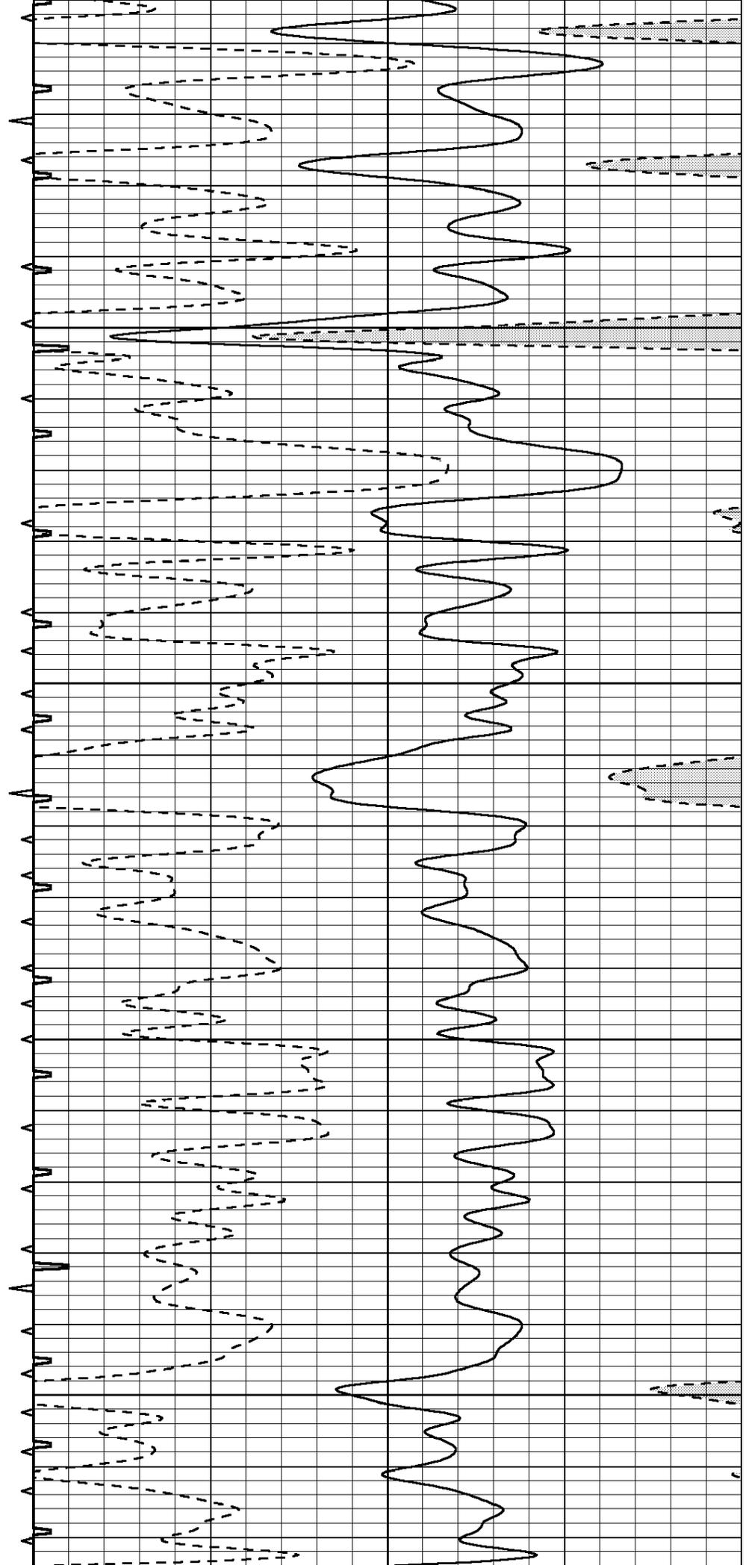


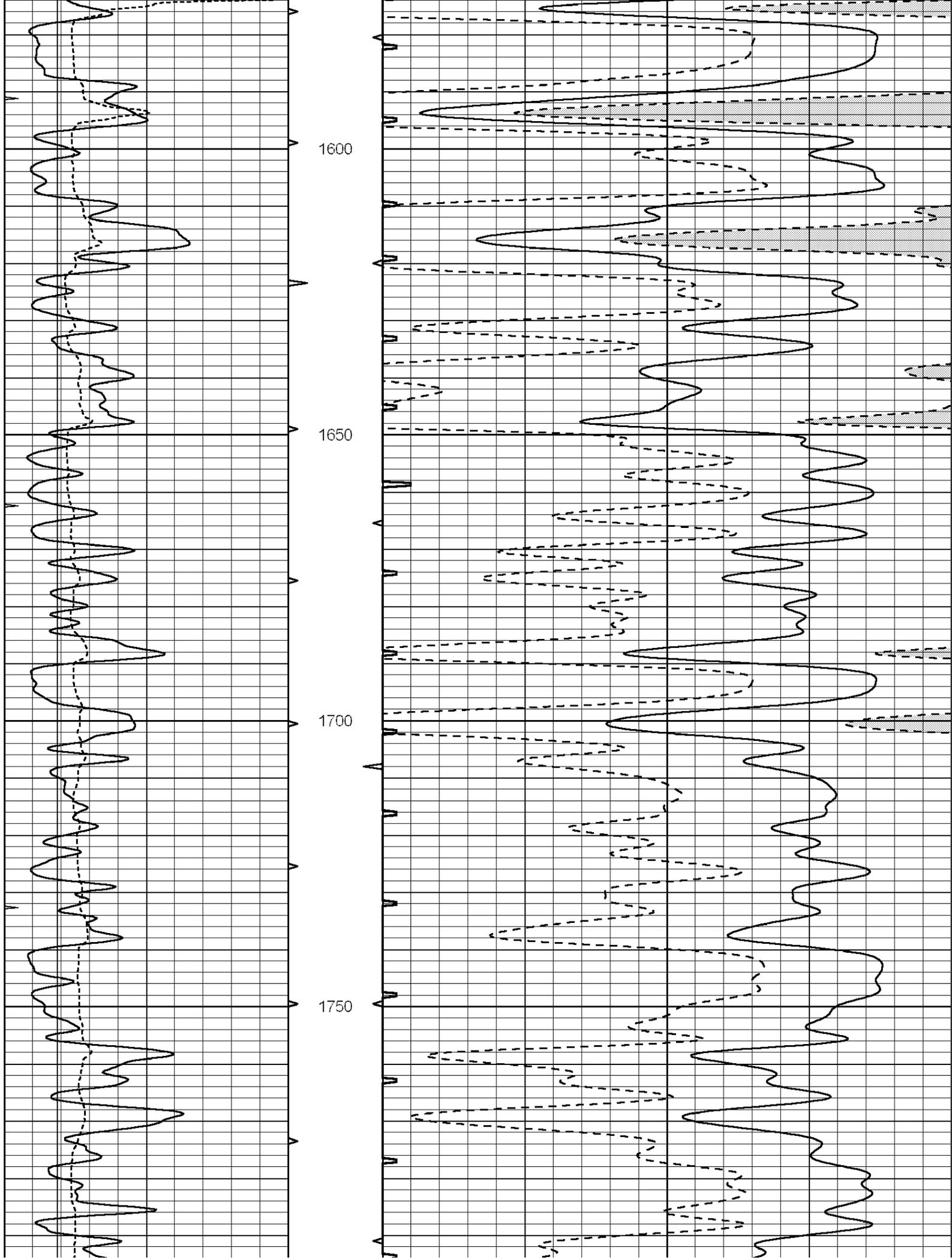
1400

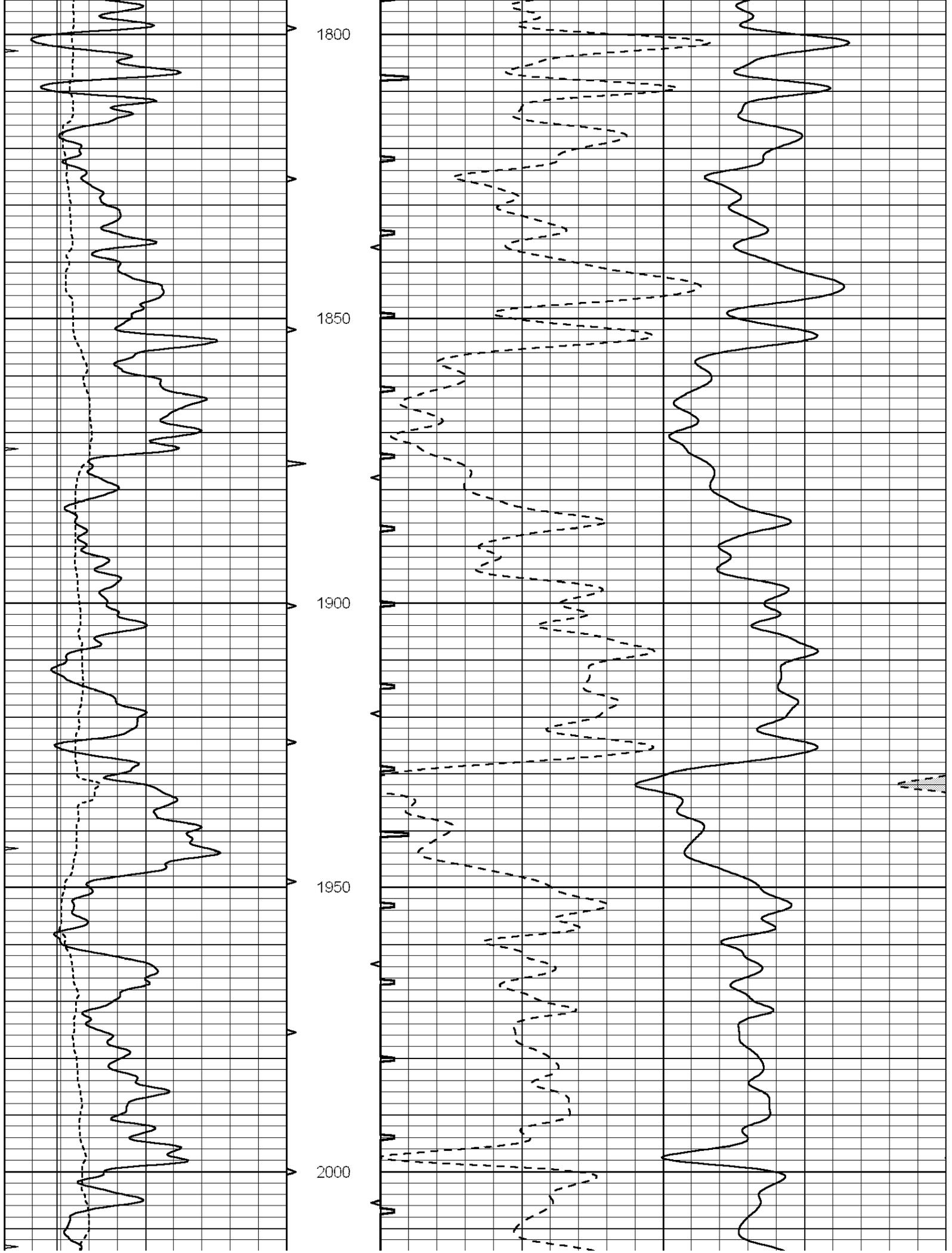
1450

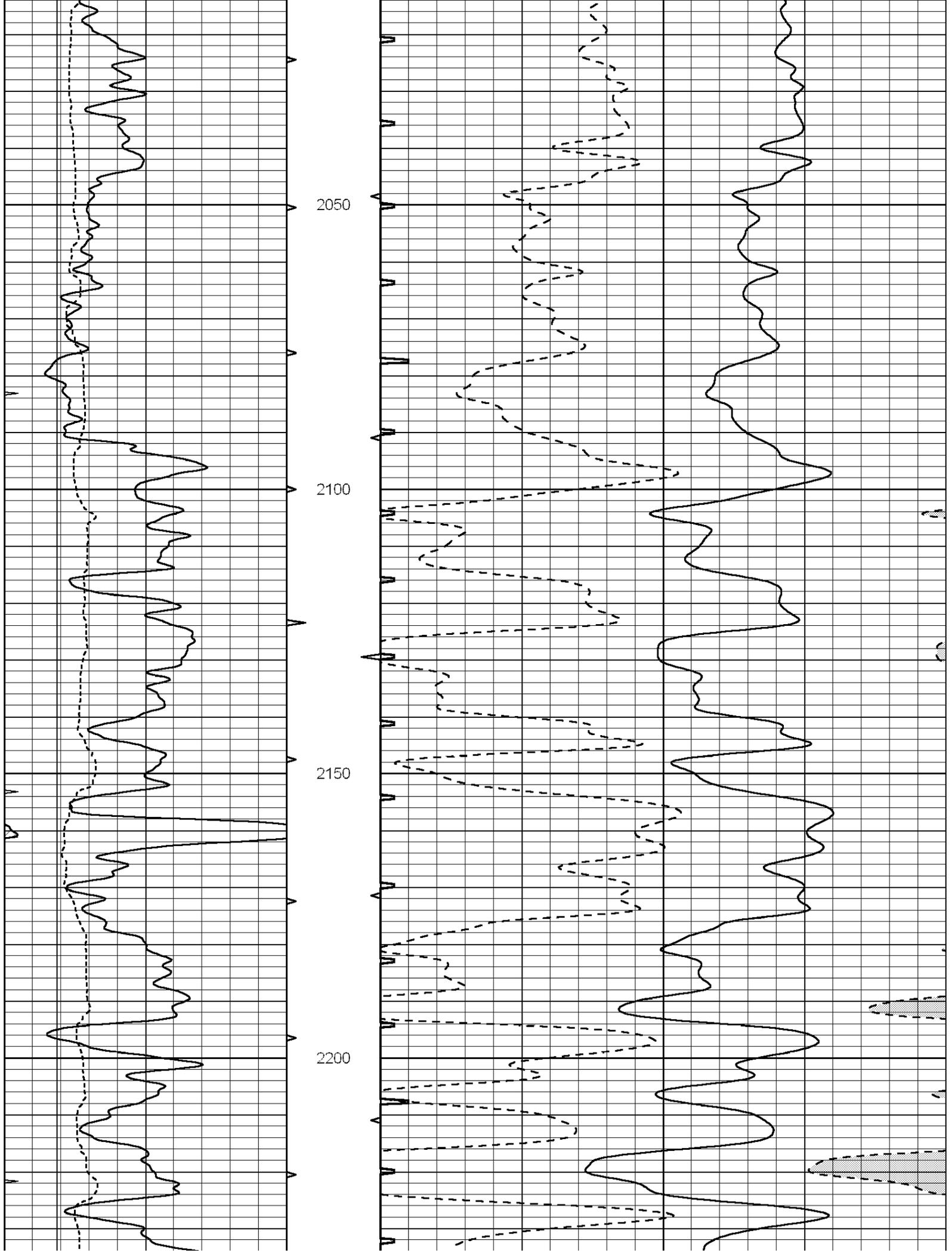
1500

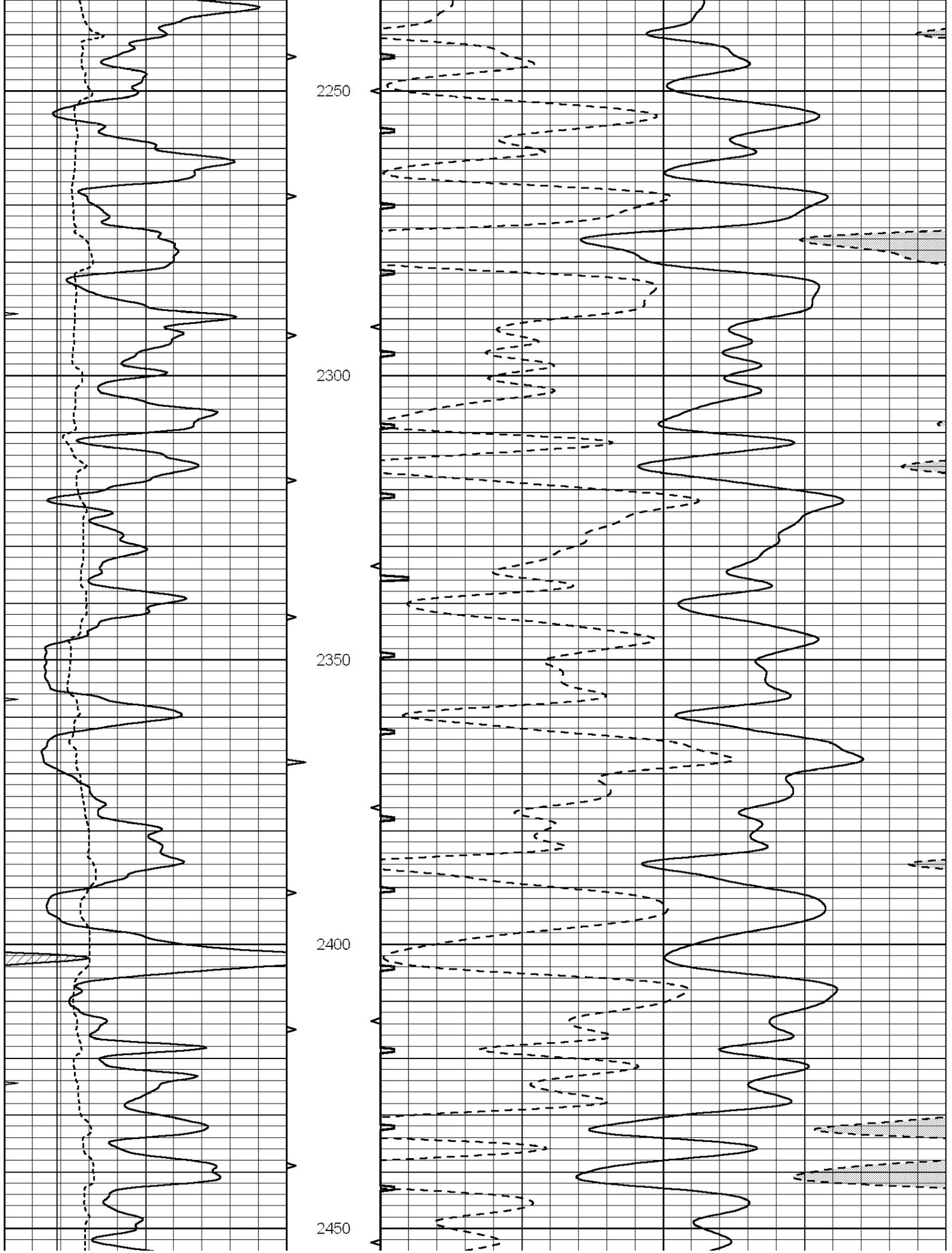
1550

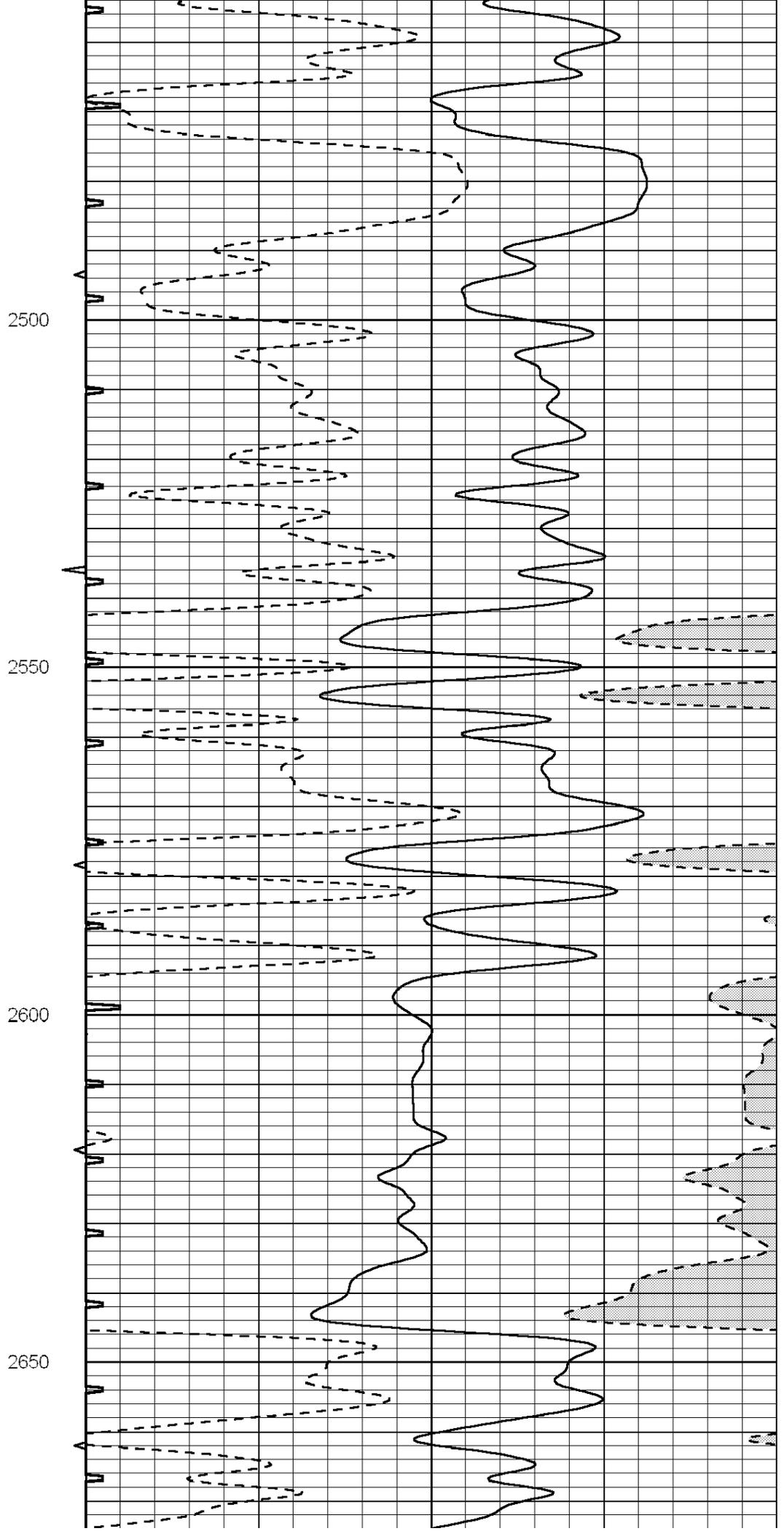
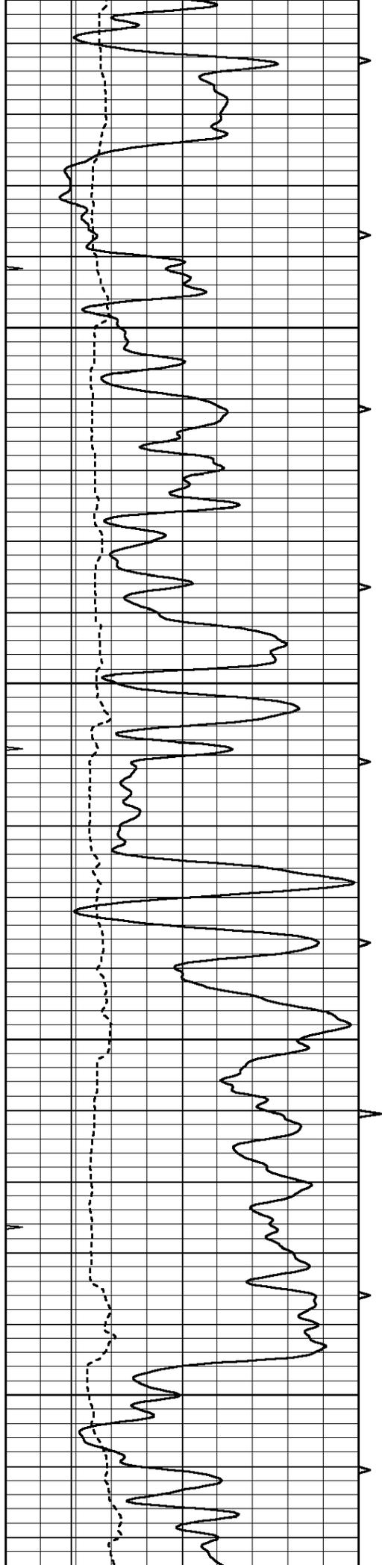


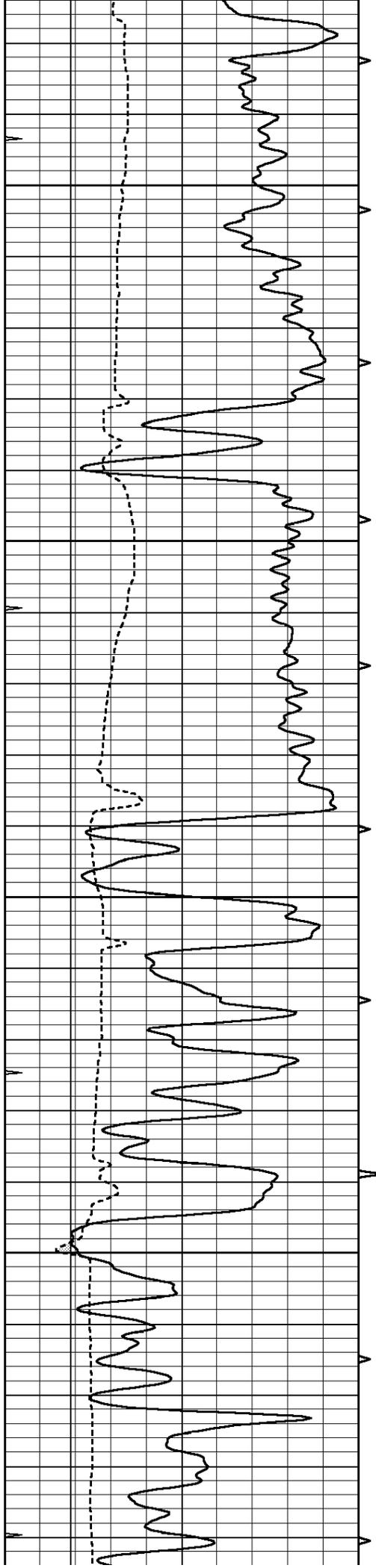










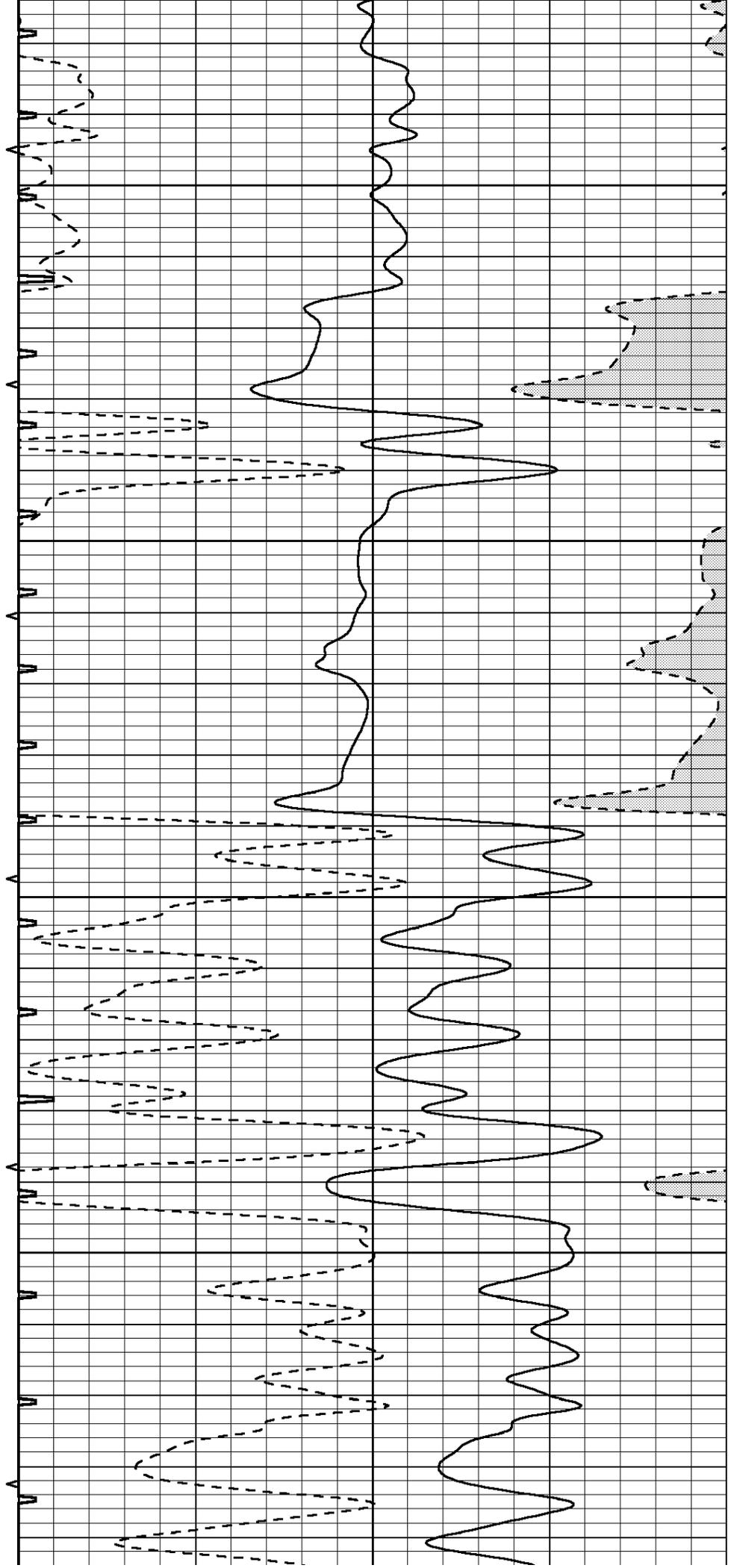


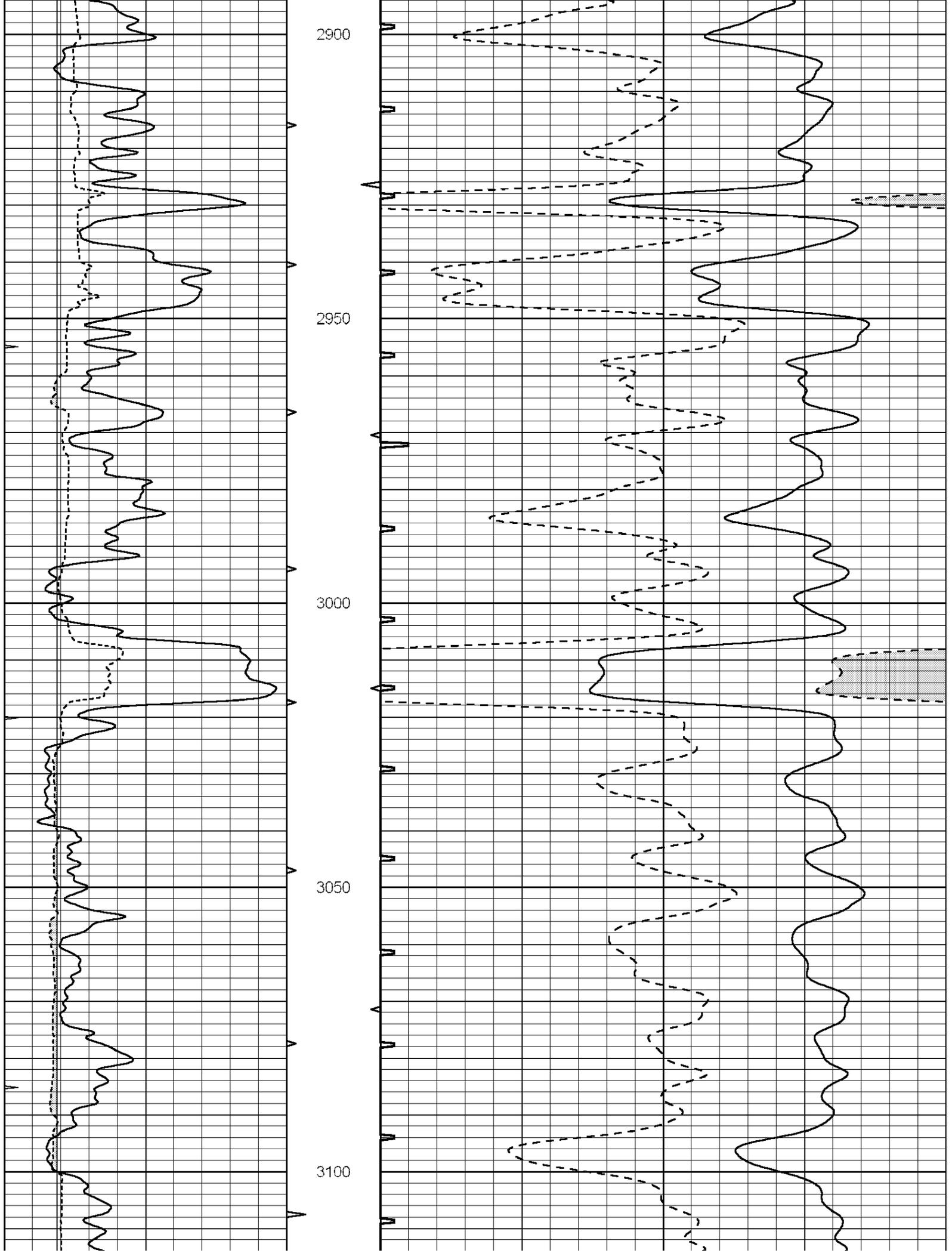
2700

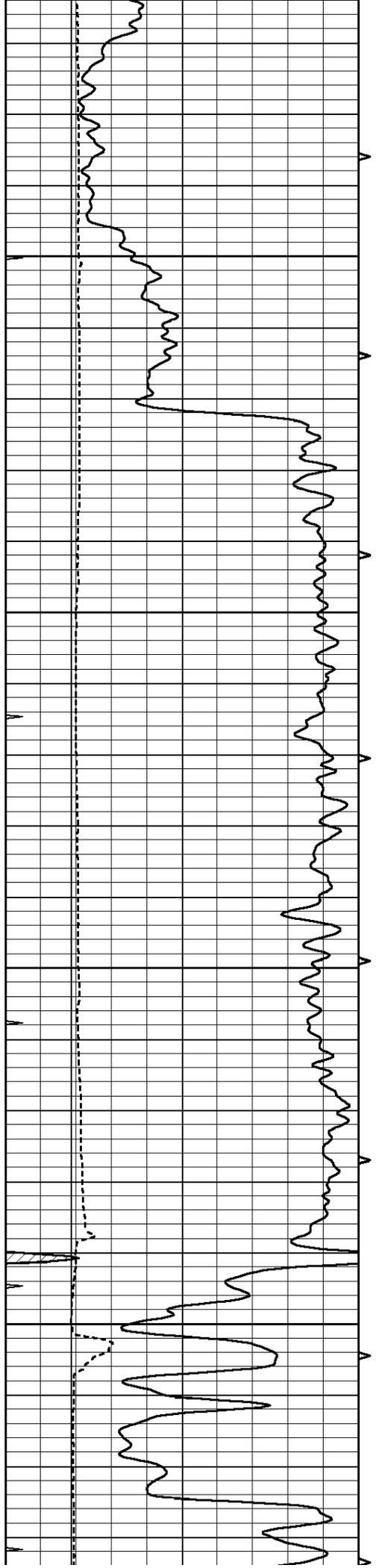
2750

2800

2850





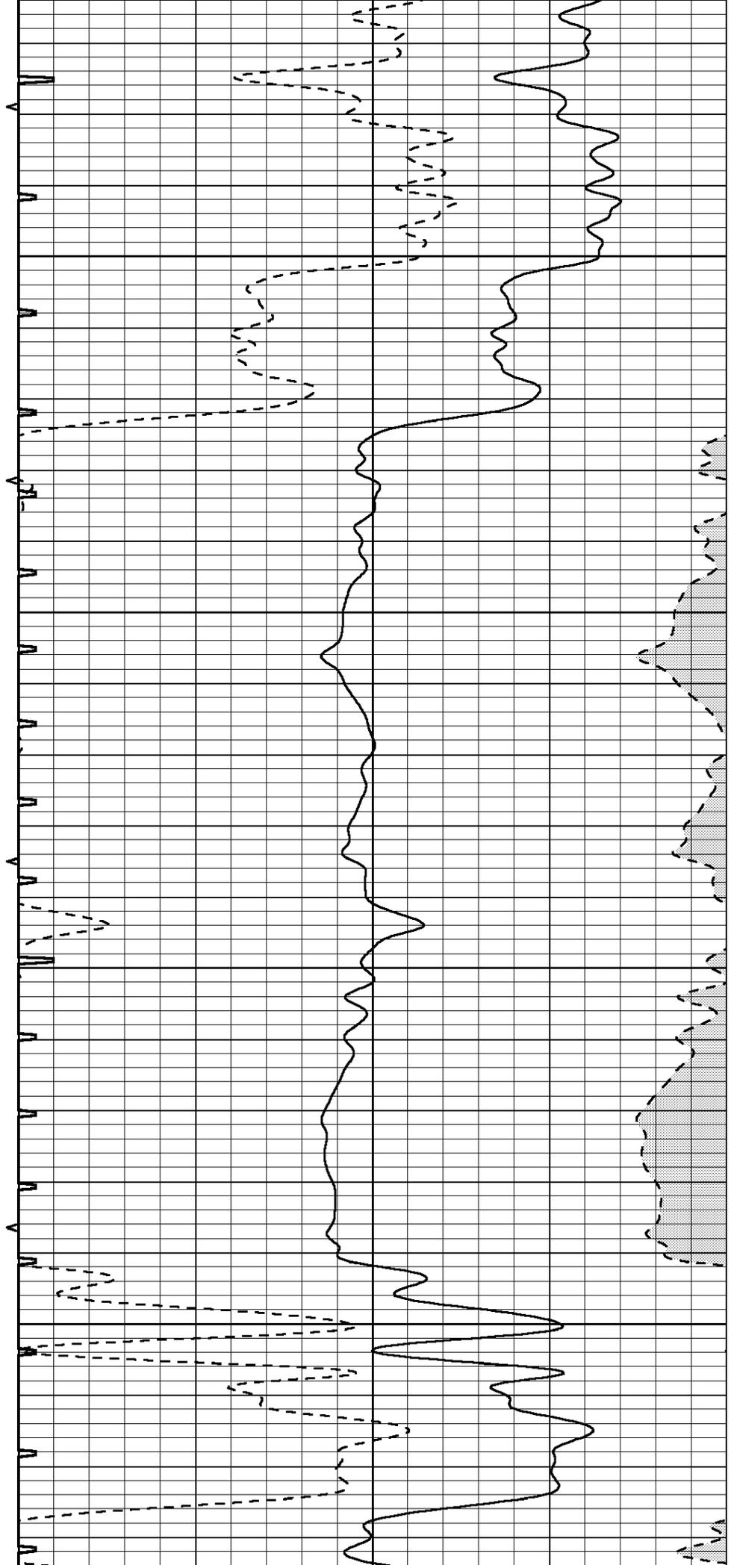


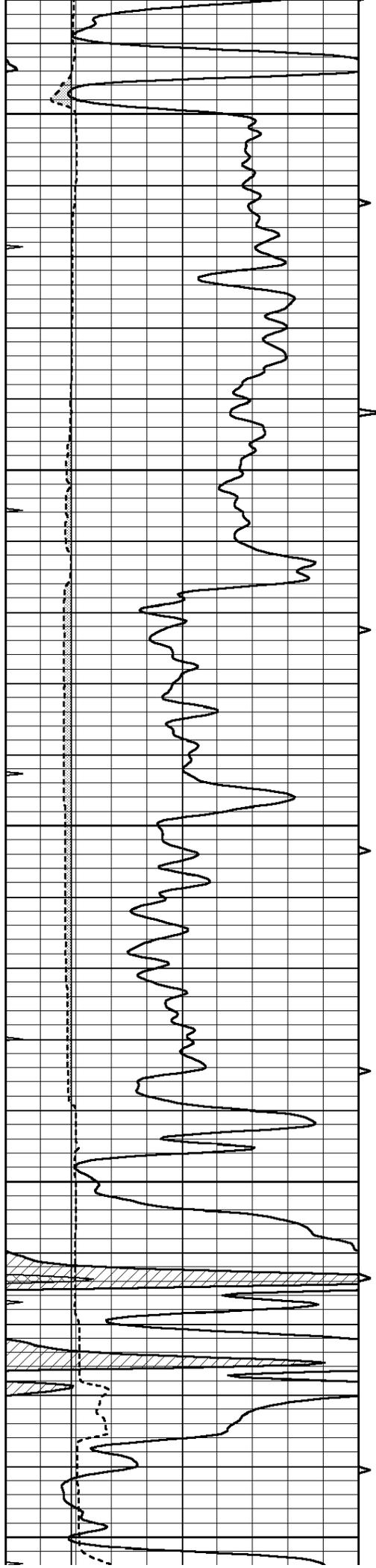
3150

3200

3250

3300





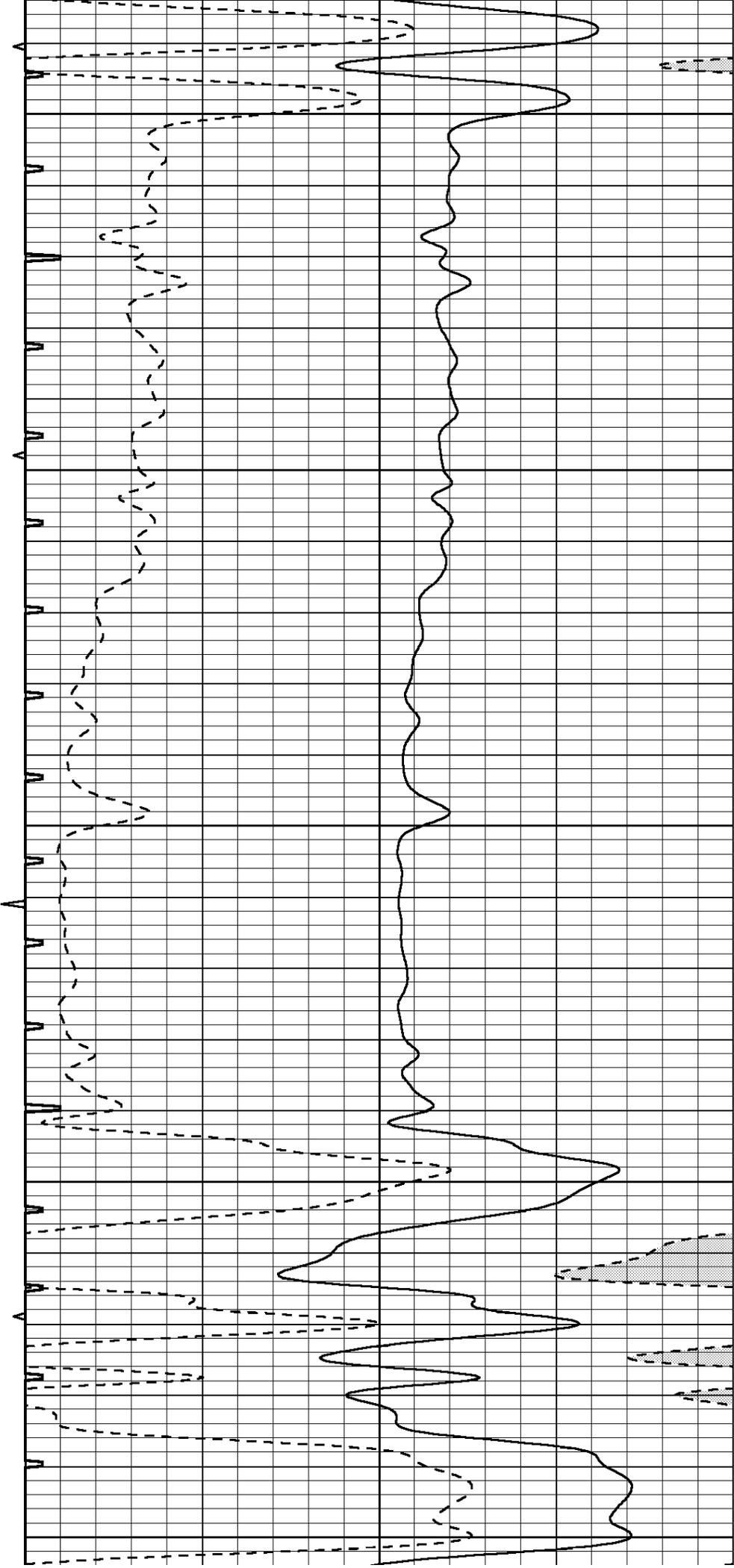
3350

3400

3450

3500

3550



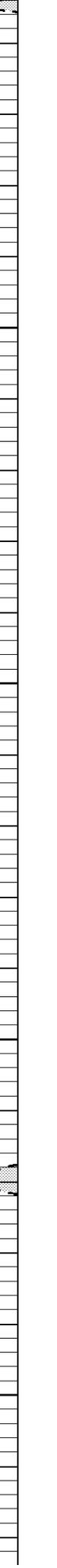
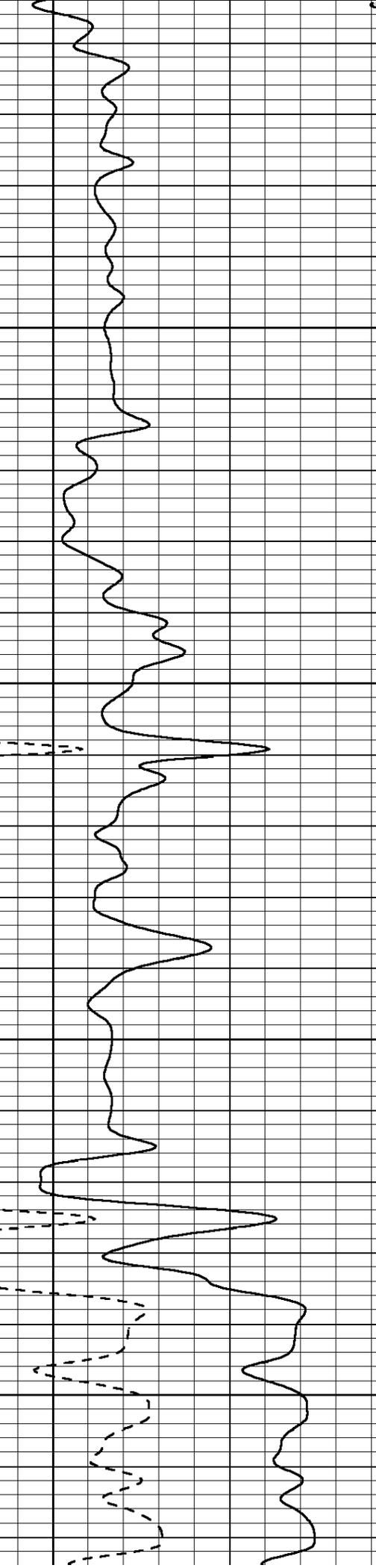
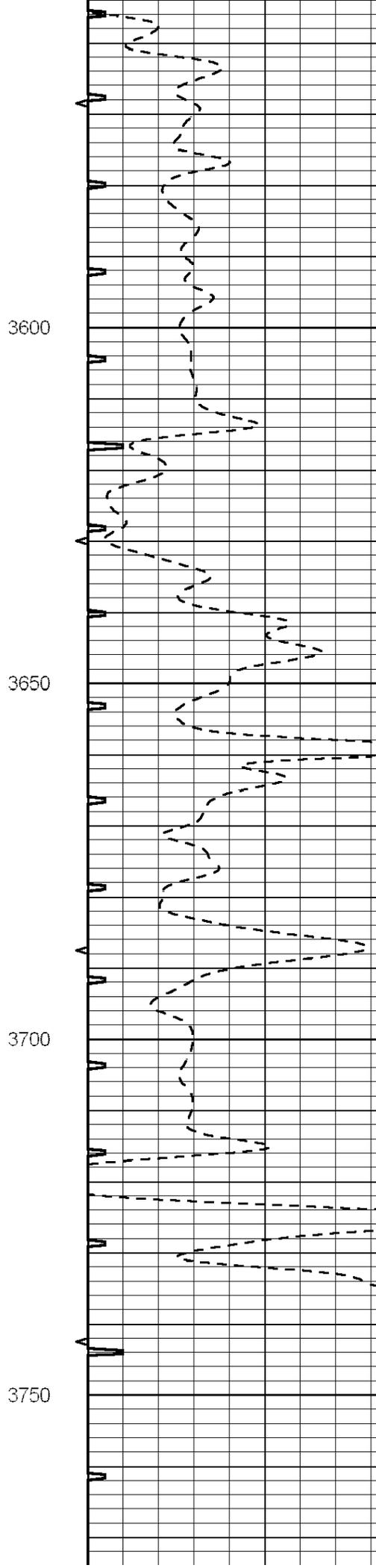
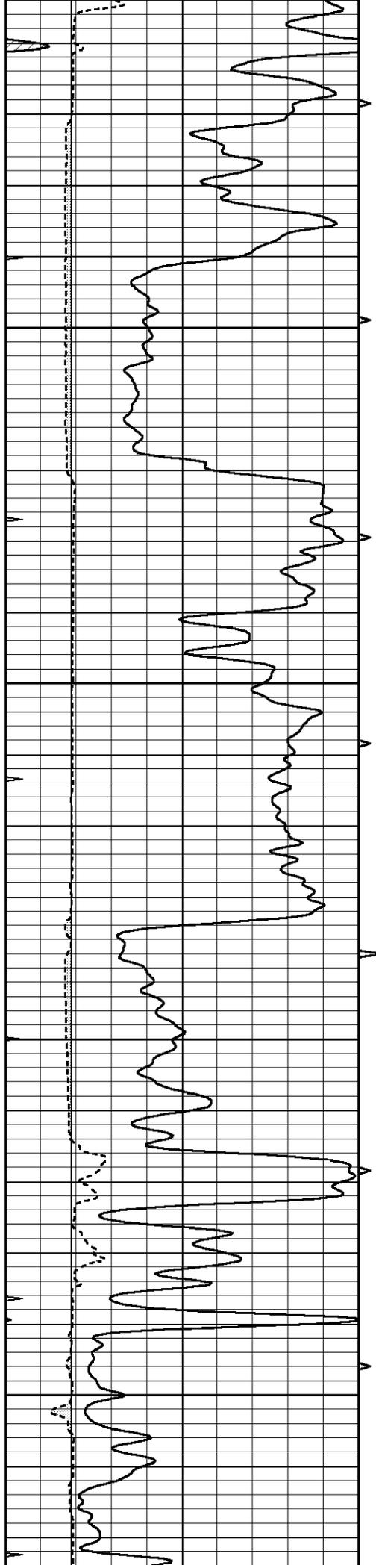
3350

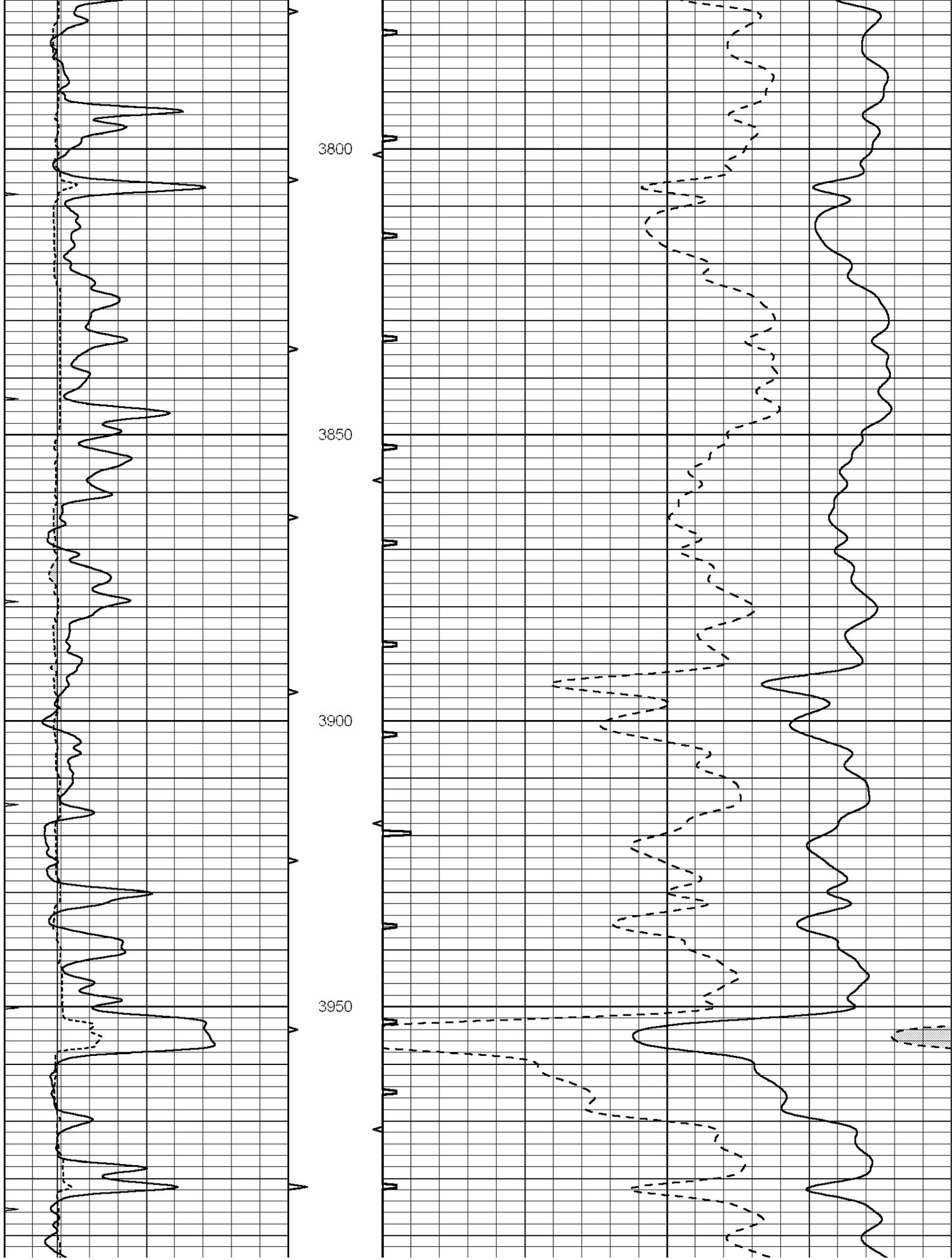
3400

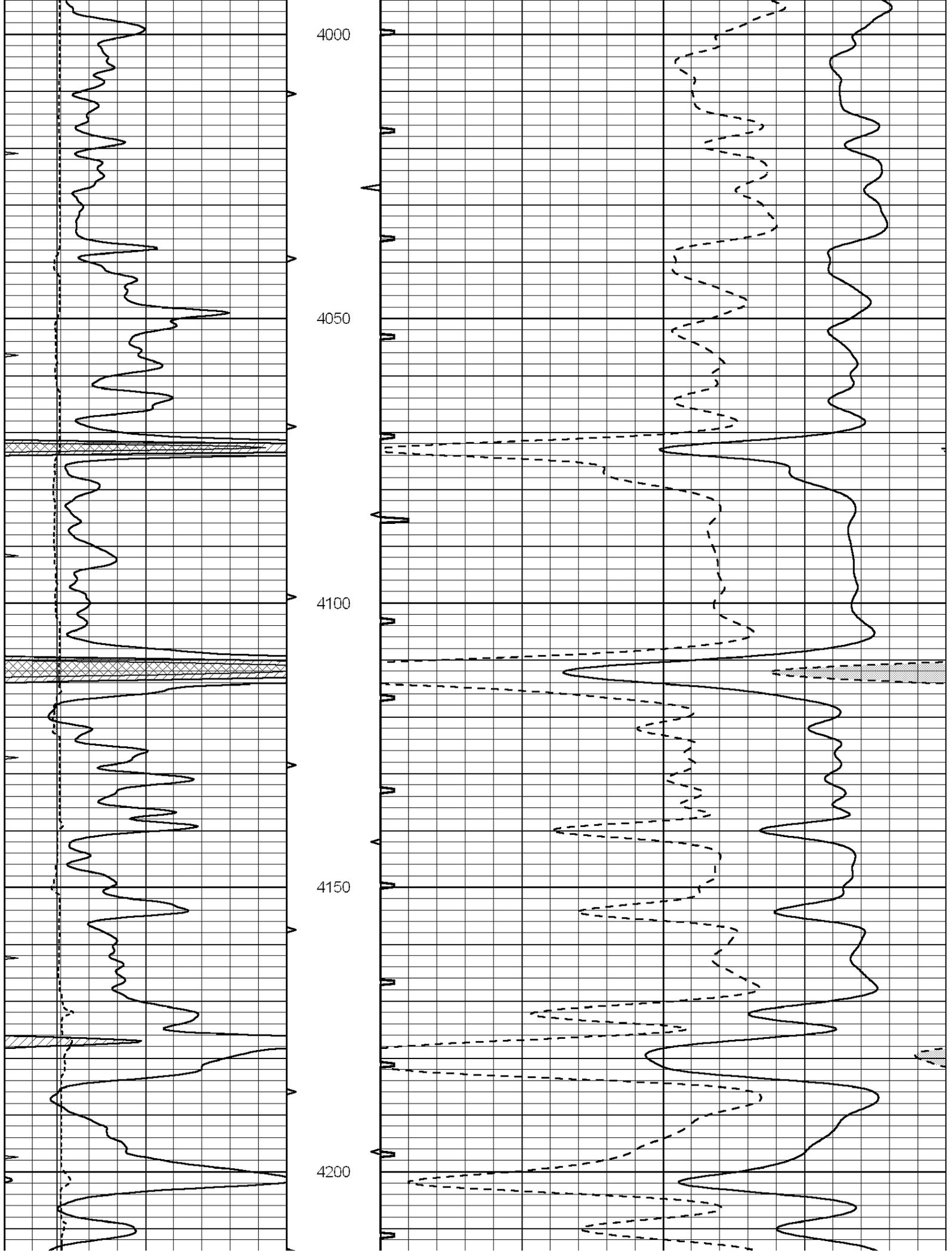
3450

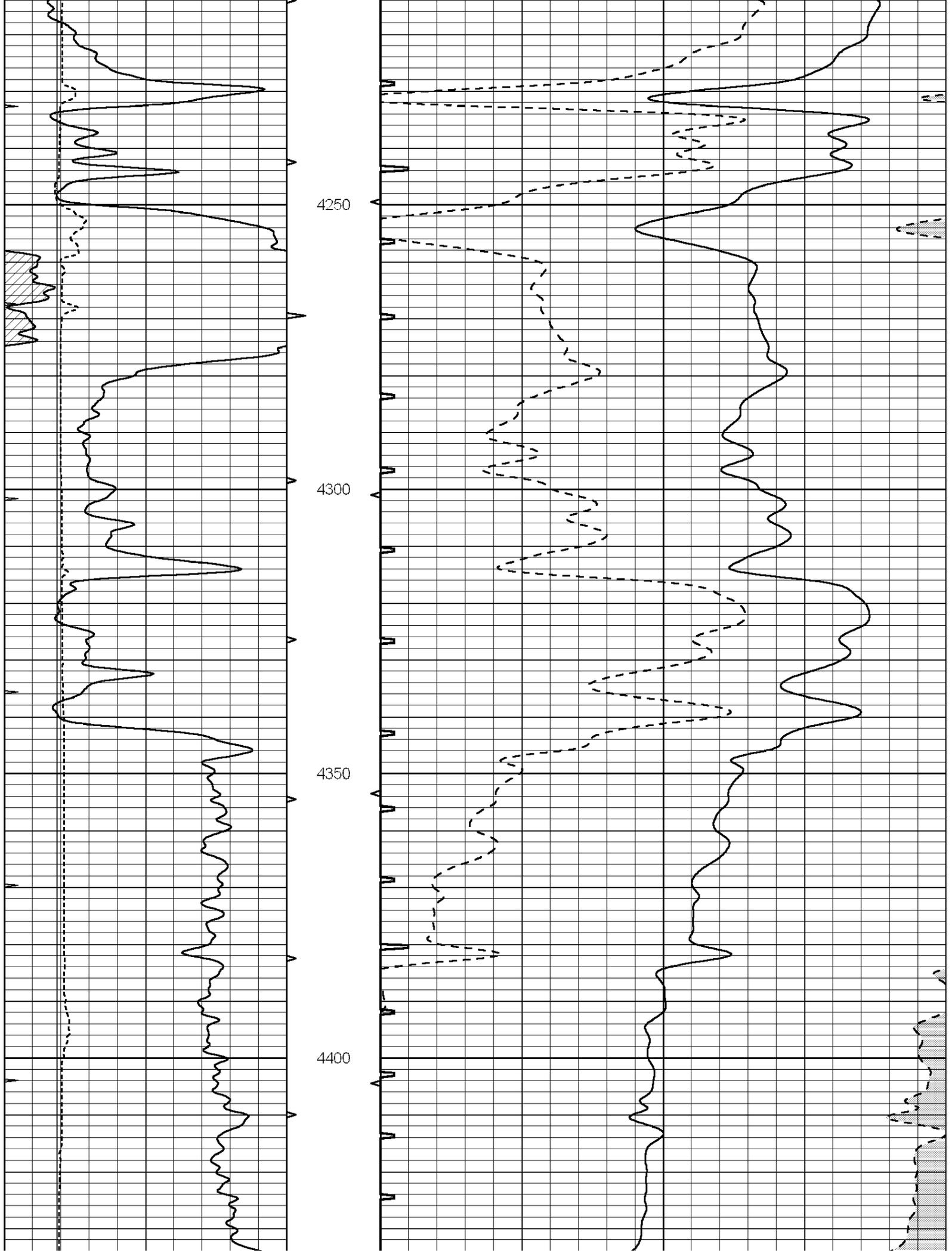
3500

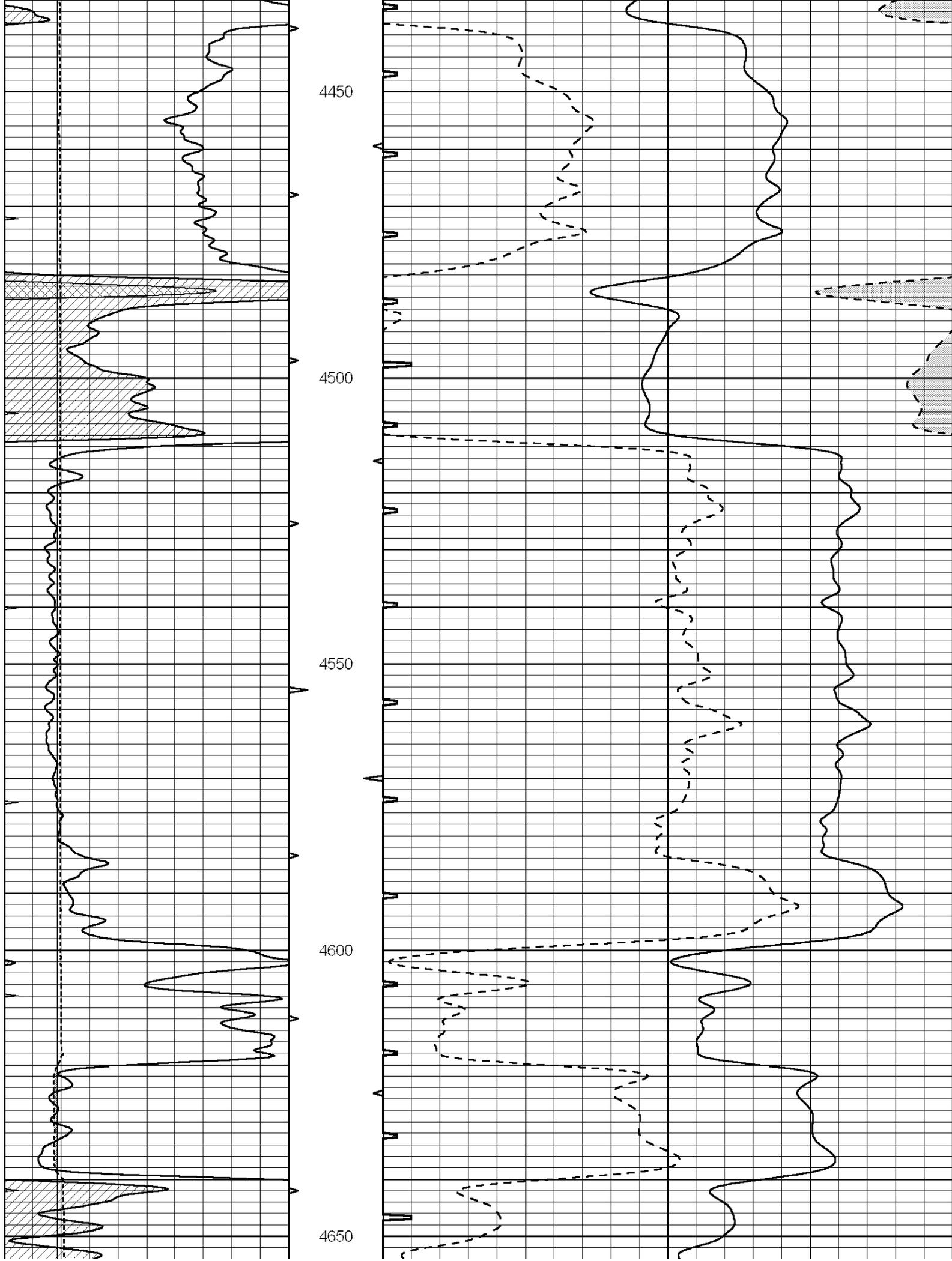
3550

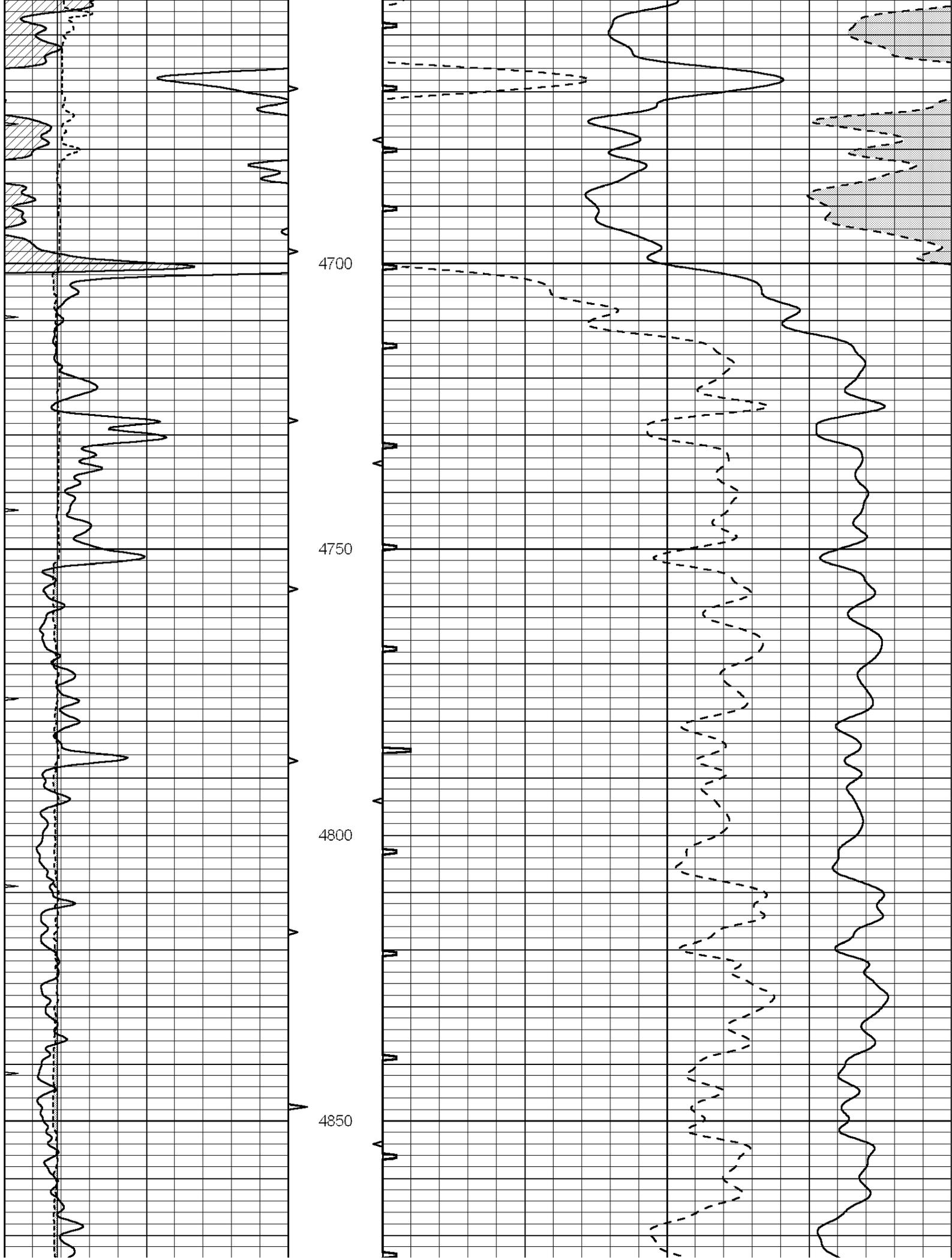


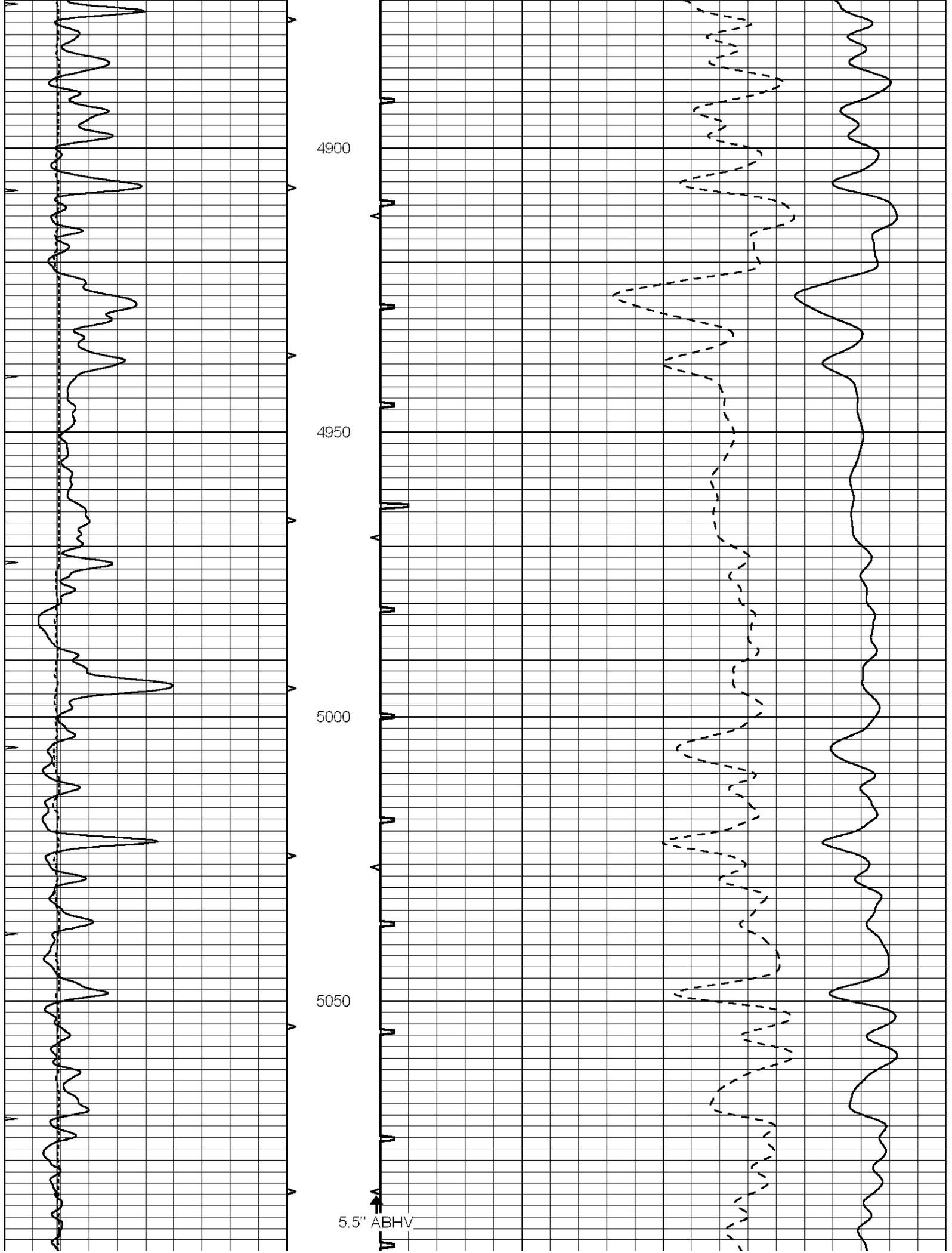


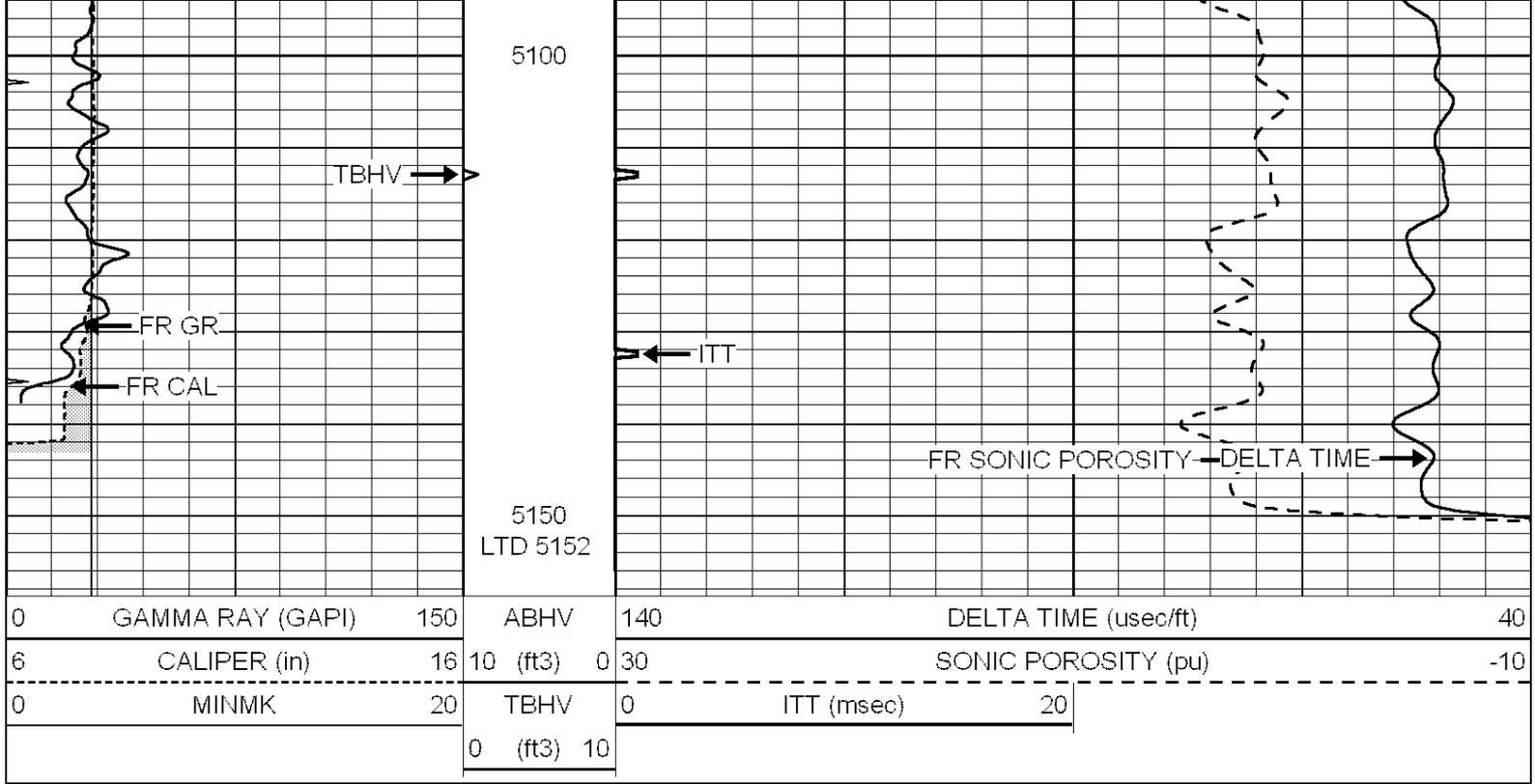








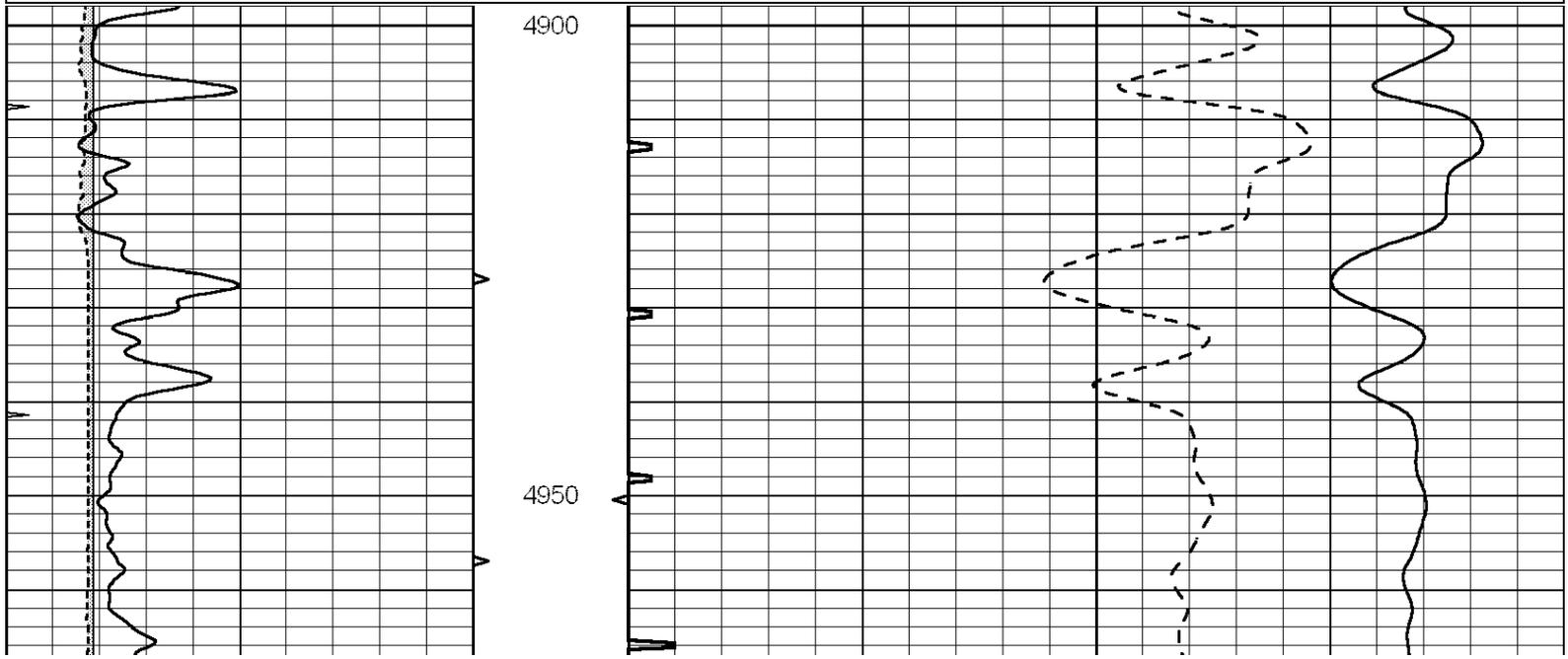


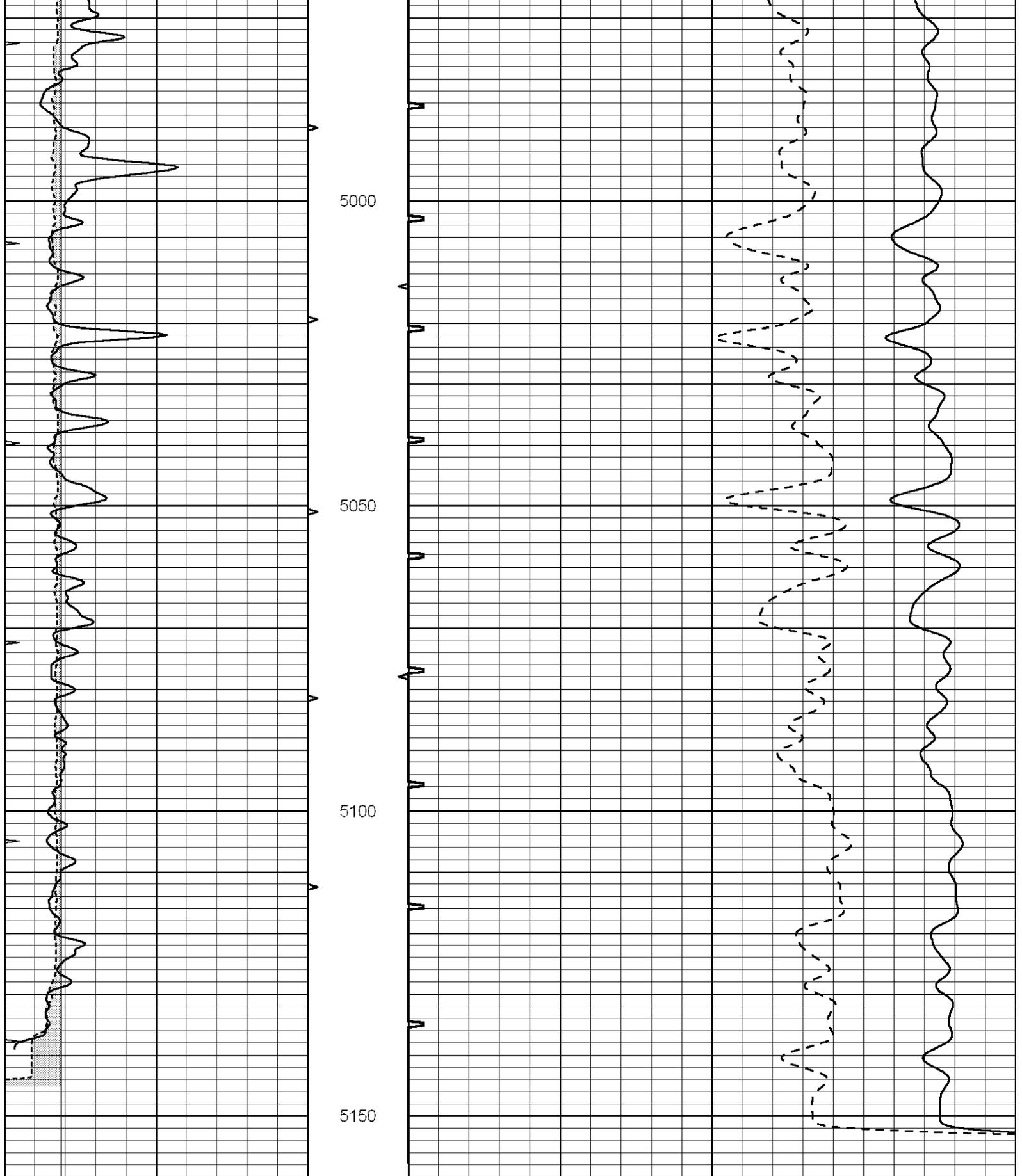


**COMPLETION
& PRODUCTION
SERVICES CO.**

REPEAT SECTION

Database File: 23819pe.db
 Dataset Pathname: pass5.1
 Presentation Format: slt
 Dataset Creation: Tue Apr 29 22:24:14 2014 by Calc SOC 120430
 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		