

SONIC LOG

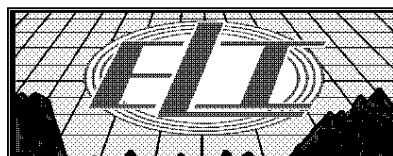
Company	BEAR PETROLEUM, LLC.		
Well	RYAN #1		
Field	WILDCAT		
County	PAWNEE	State	KANSAS
Location:	API # : 15-145-21829-0000		Other Services CDL/CNL DIL/MEL
Permanent Datum	GROUND LEVEL		Elevation
Log Measured From	330' FNL & 330' FWL NW - NW - NW		2193
Drilling Measured From	SEC 15 TWP 22S RGE 20W		K.B. 2199 D.F. 2197 G.L. 2193
Date	3/3/18		
Run Number	TWO		
Depth Driller	4488		
Depth Logger	4489		
Bottom Logged Interval	4181		
Top Log Interval	1200		
Casing Driller	8 5/8"@1277'		
Casing Logger	1274		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3,500 PPM	
Density / Viscosity	8.9/60		
pH / Fluid Loss	9.0/8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.750@60F		
Rinf @ Meas. Temp	.563@60F		
Rmc @ Meas. Temp	.900@60F		
Source of Rinf / Rmc	MEASUREMENT		
Rim @ BHT	.375@120F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	1:15 A.M.		
Maximum Recorded Temperature	120F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	ROD ANDERSEN		

<<< 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

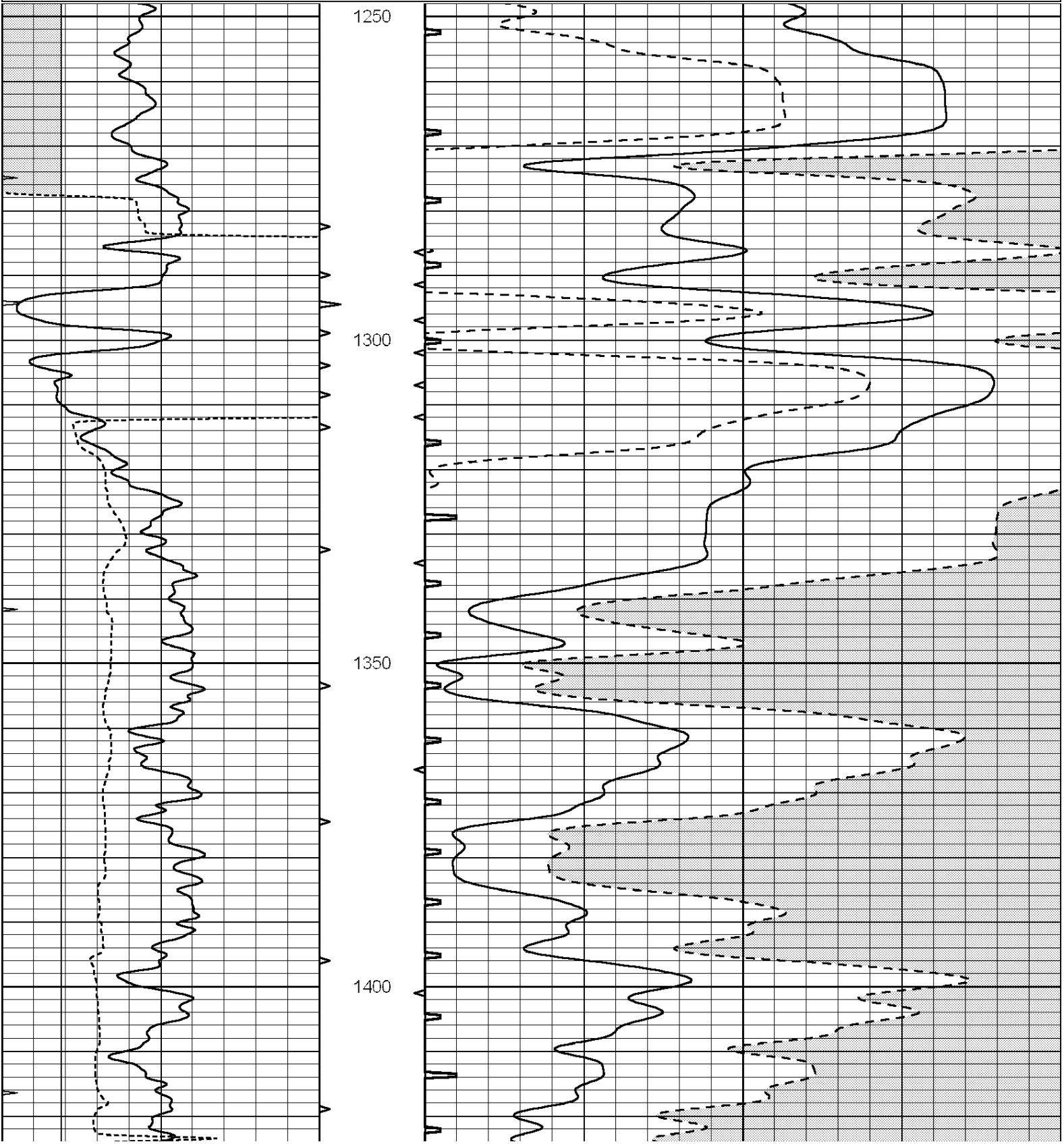
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
BURDETT, KS., 1E. ON HWY 156 TO "340TH AVE.", 3S., JOG EAST, S. INTO

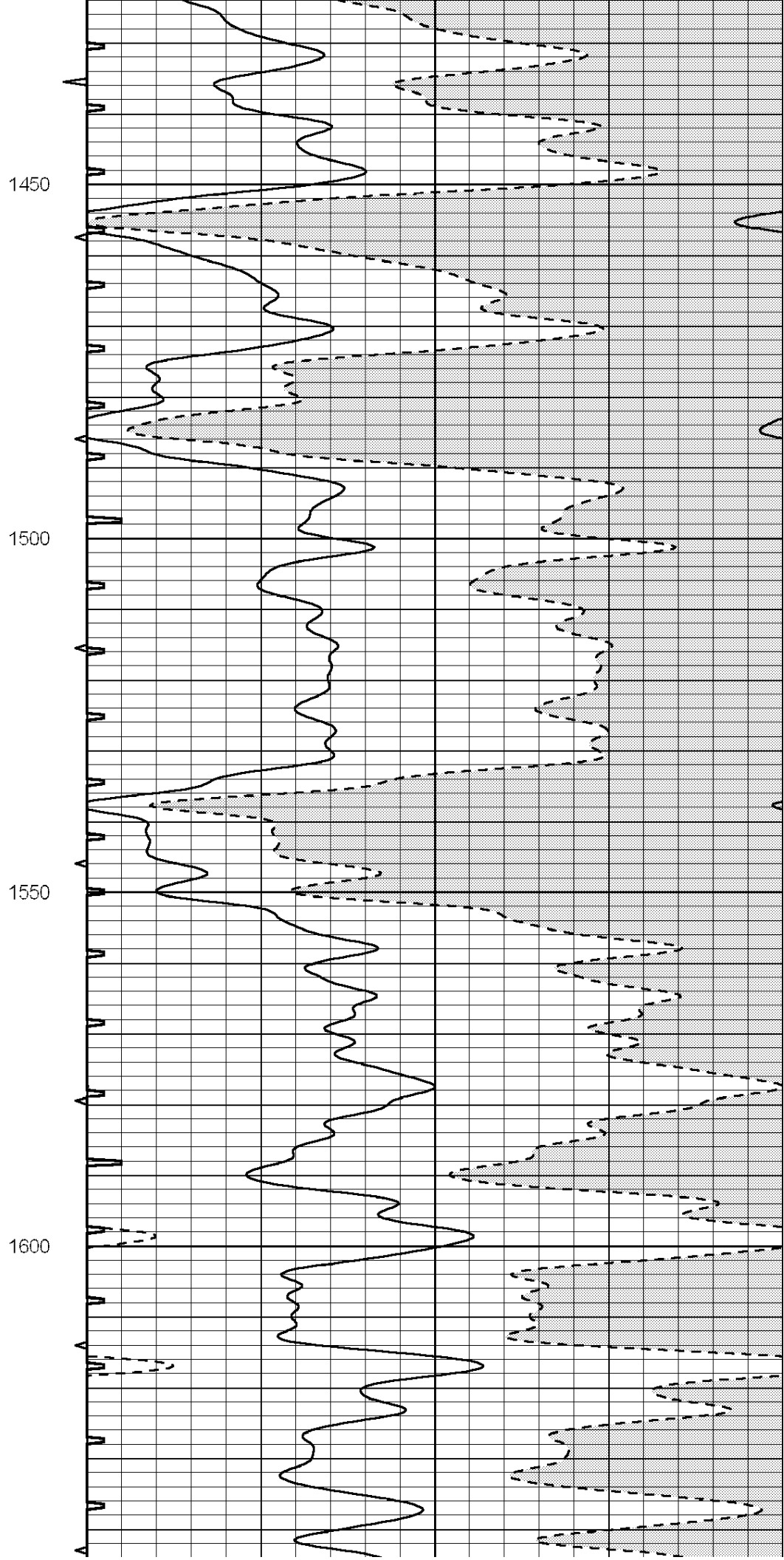
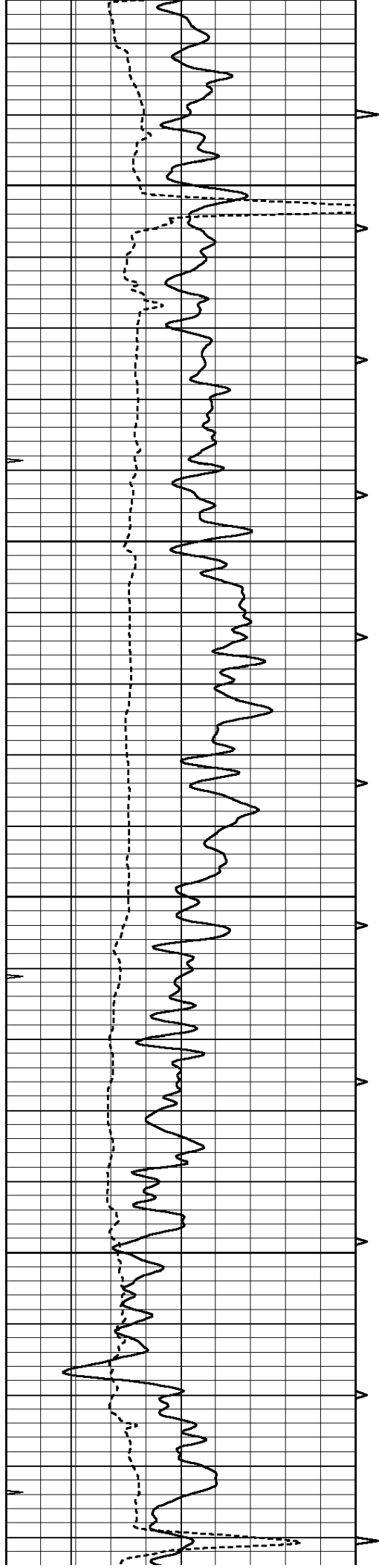


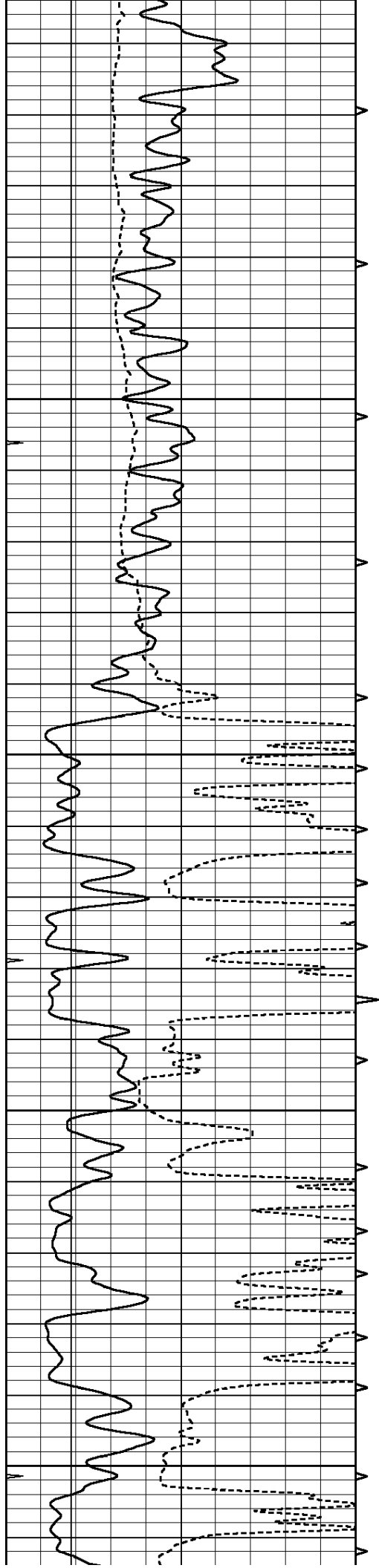
MAIN SECTION

Database File: 2344ddn.db
Dataset Pathname: pass6.8
Presentation Format: slt
Dataset Creation: Sat Mar 03 02:51:21 2018
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				







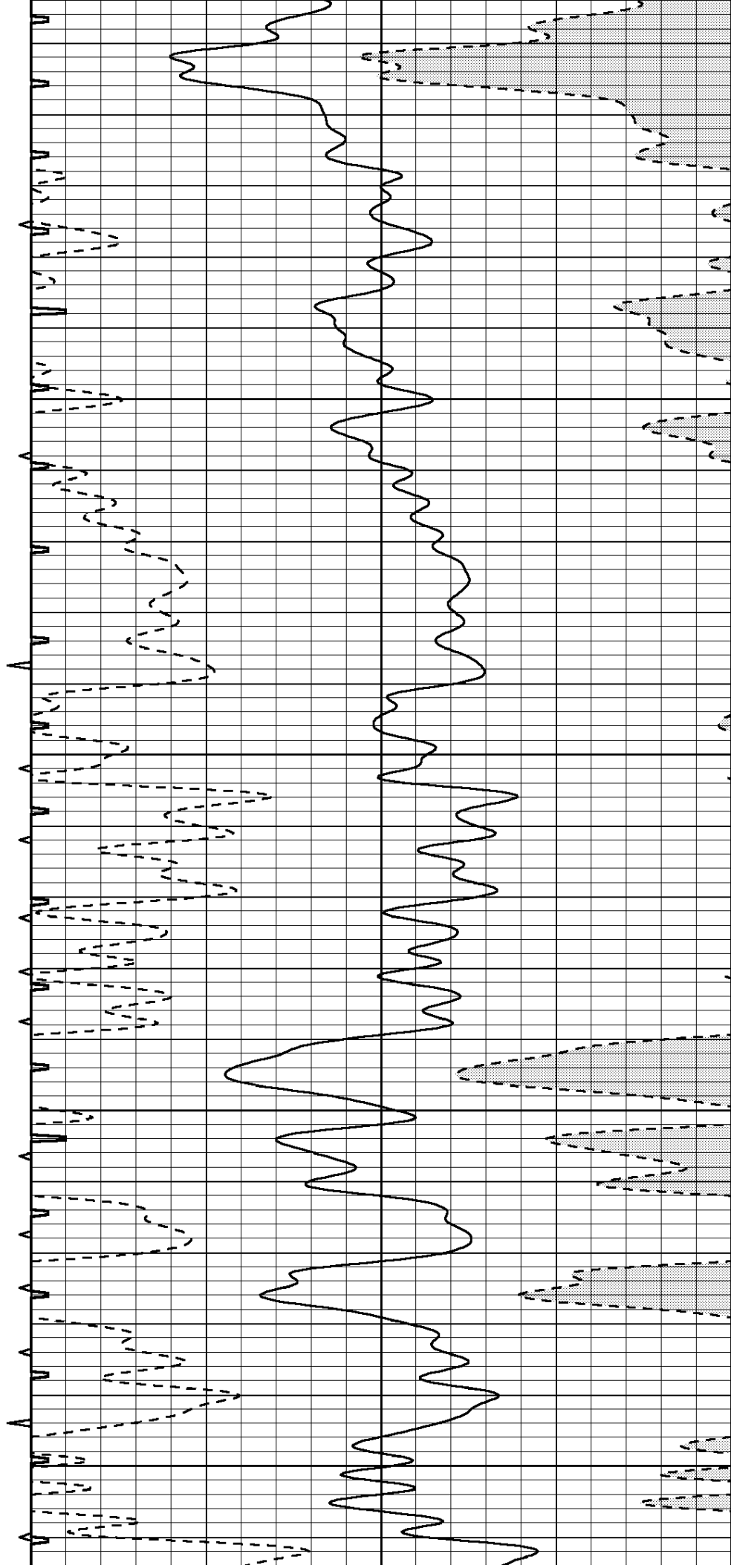
1650

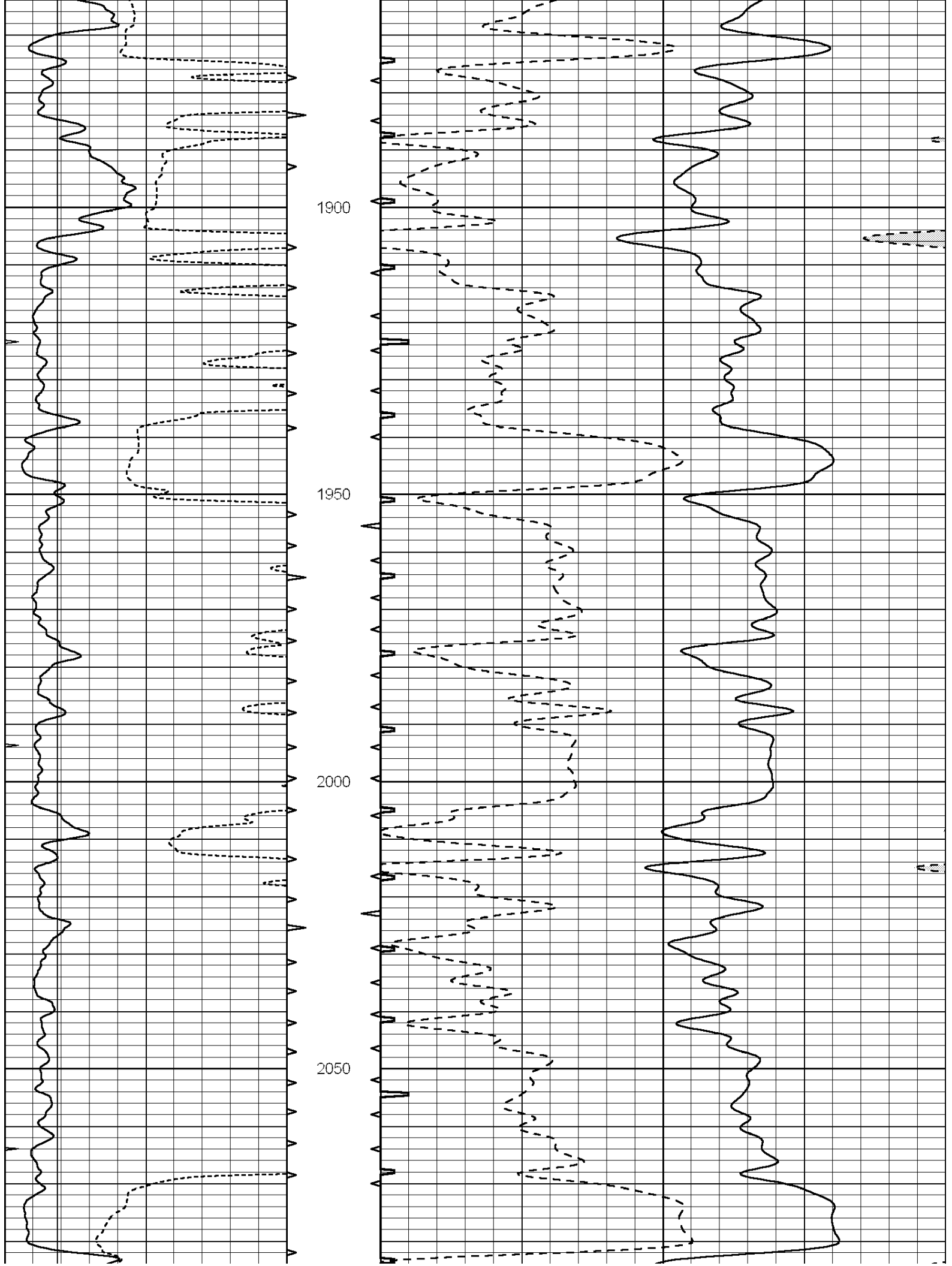
1700

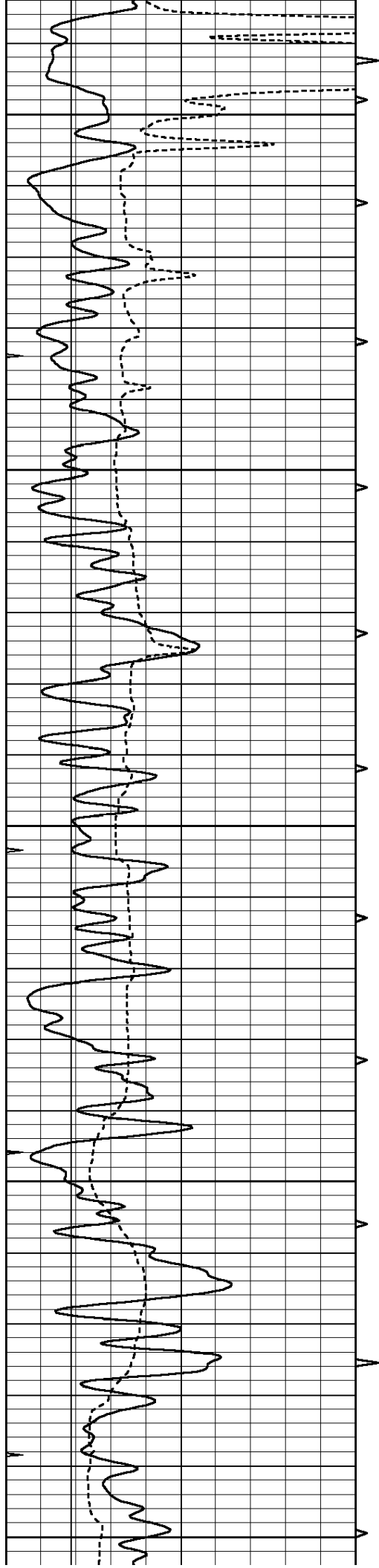
1750

1800

1850







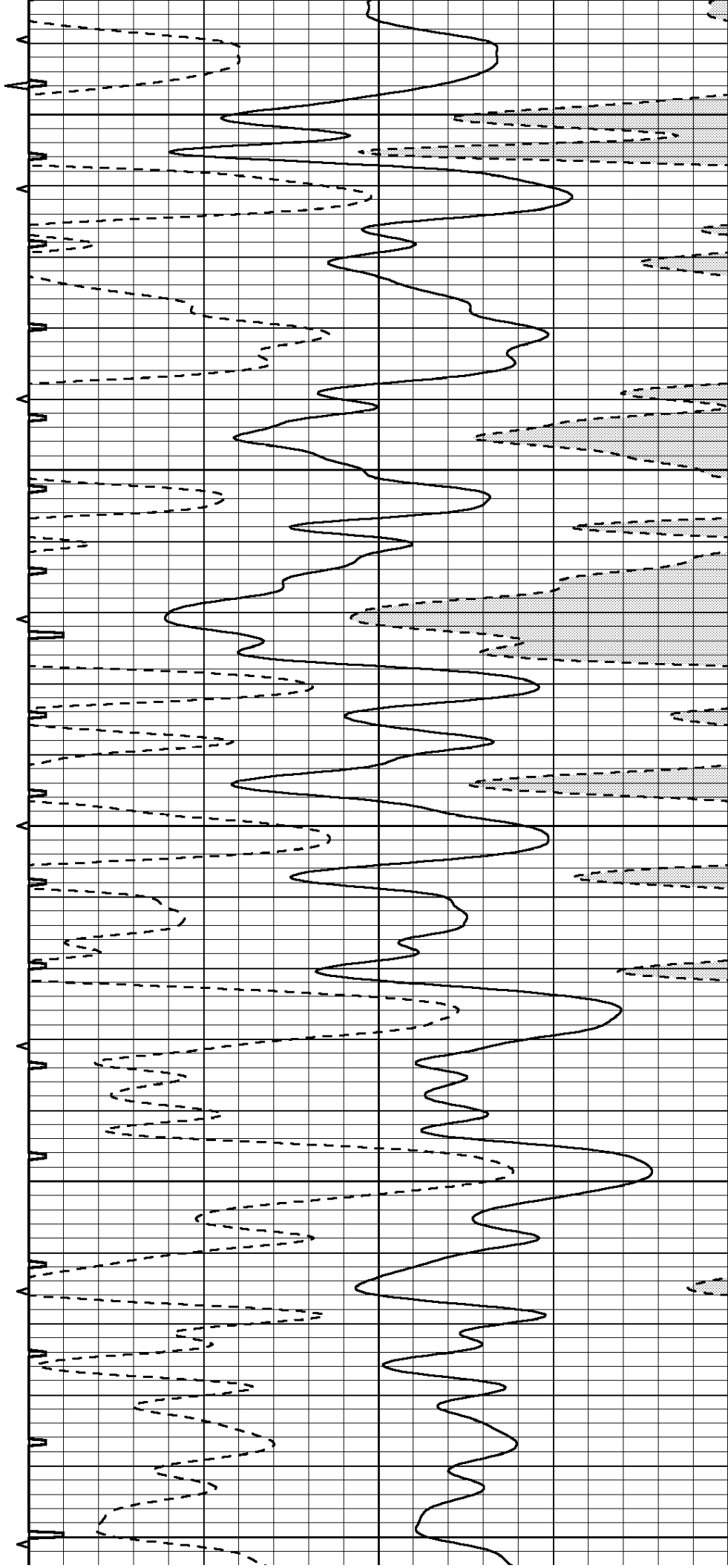
2100

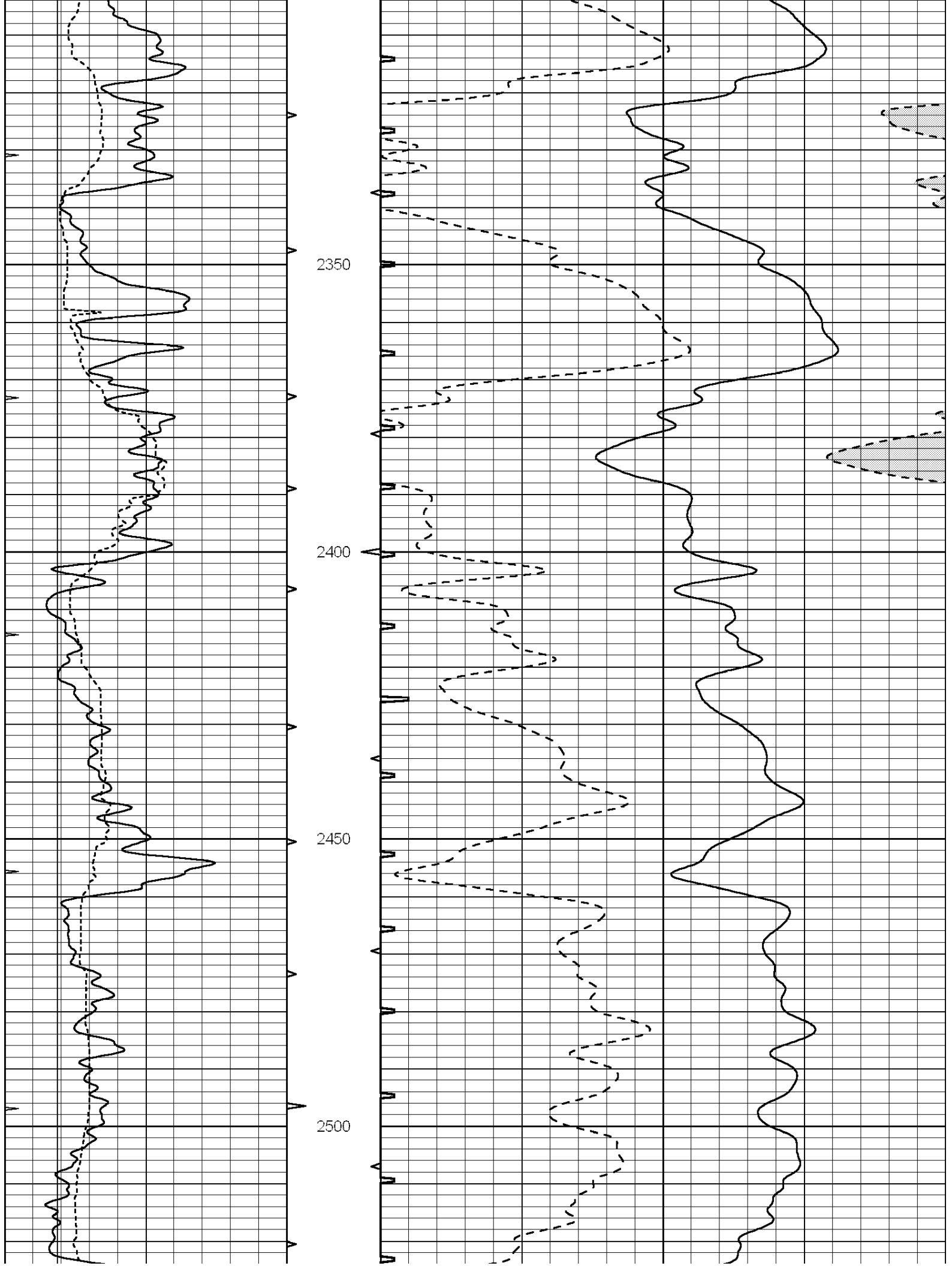
2150

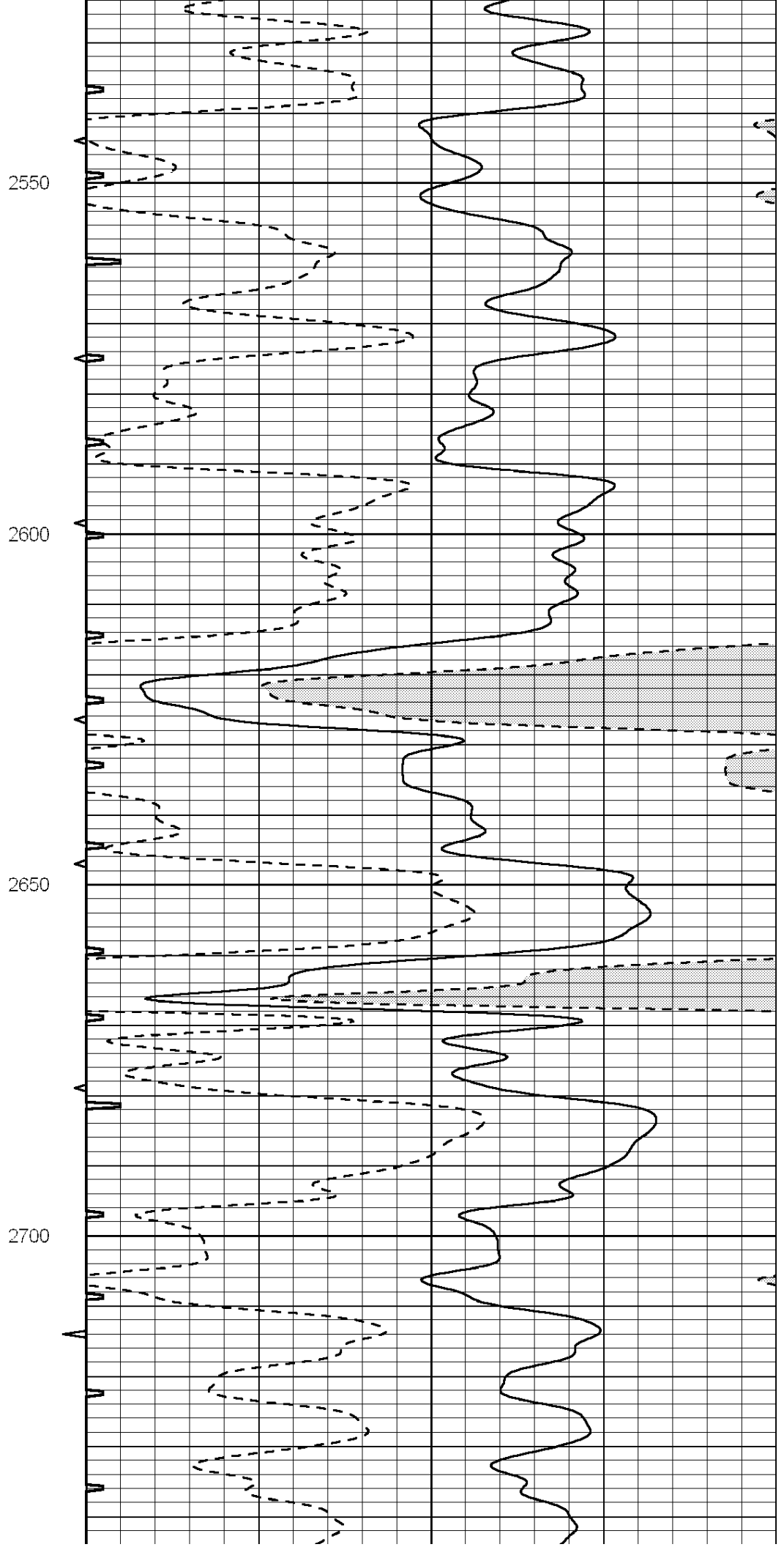
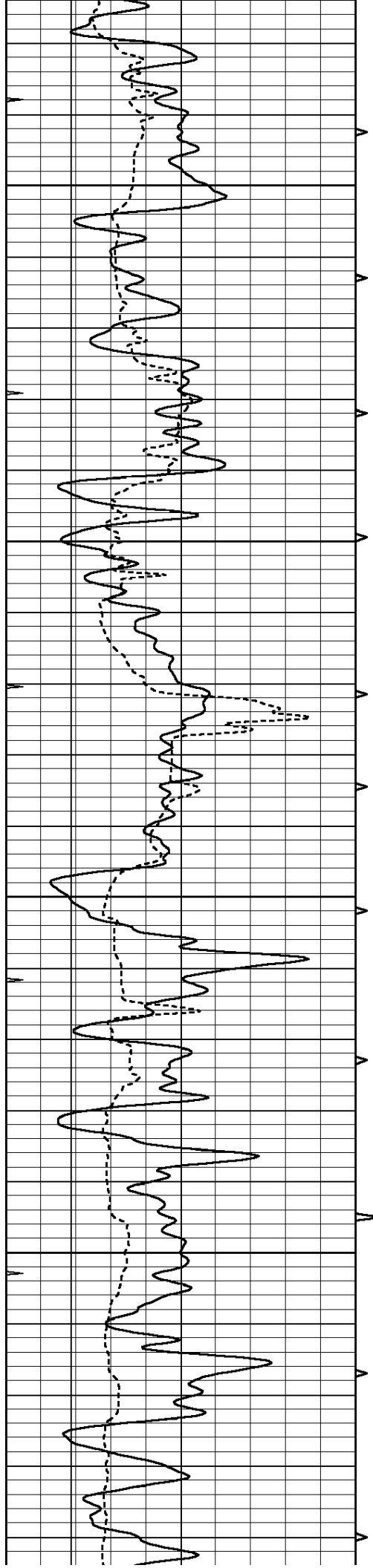
2200

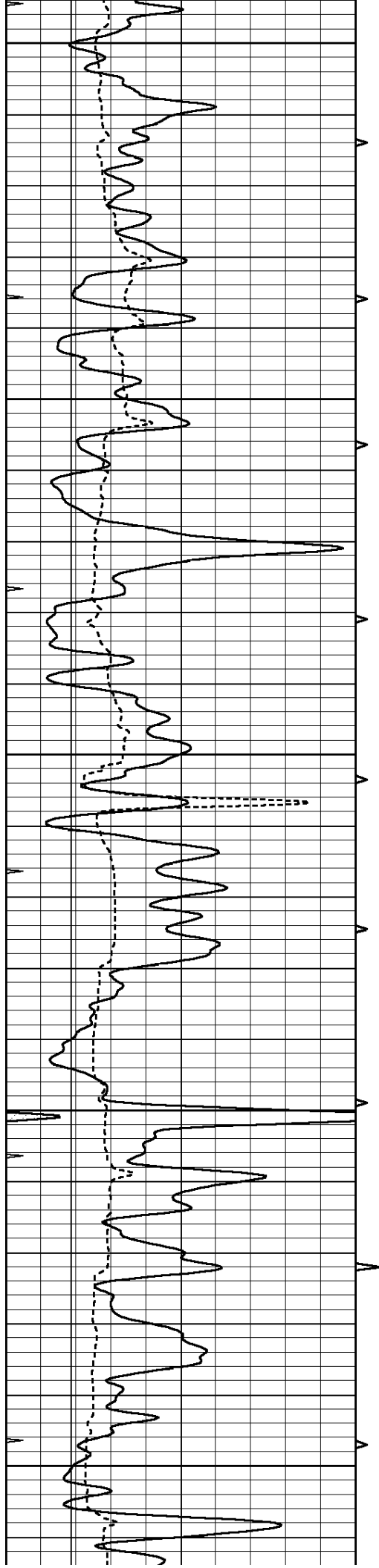
2250

2300









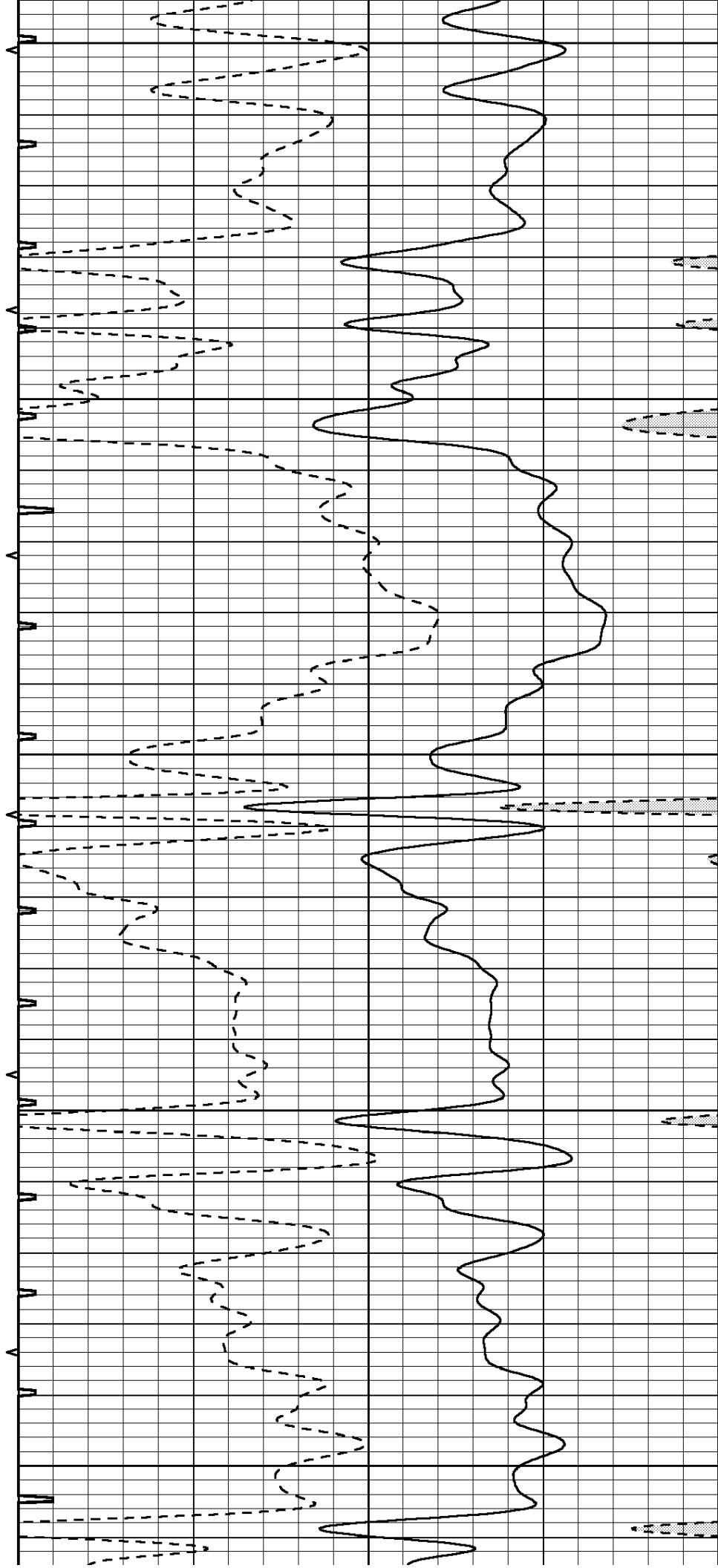
2750

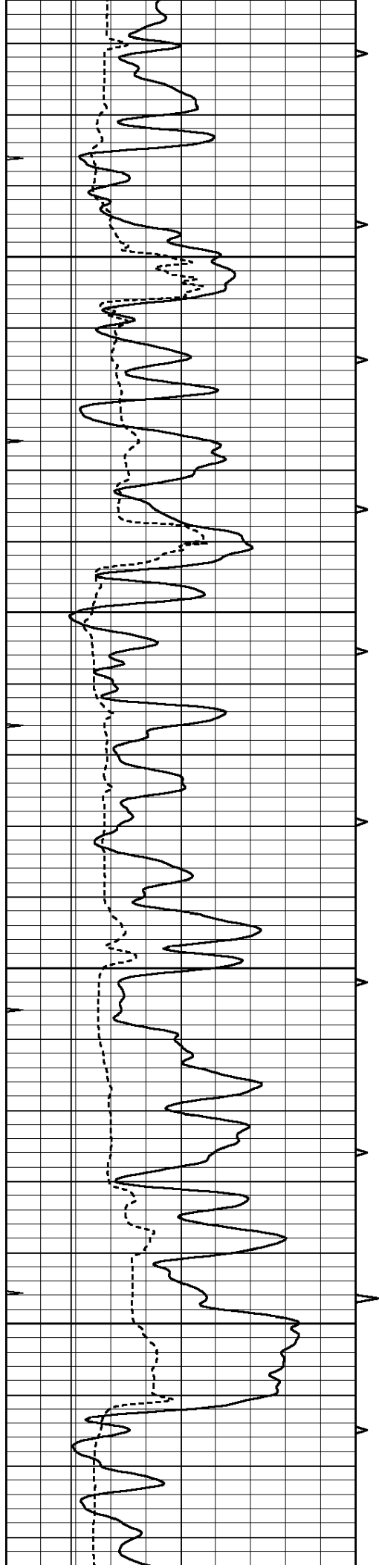
2800

2850

2900

2950



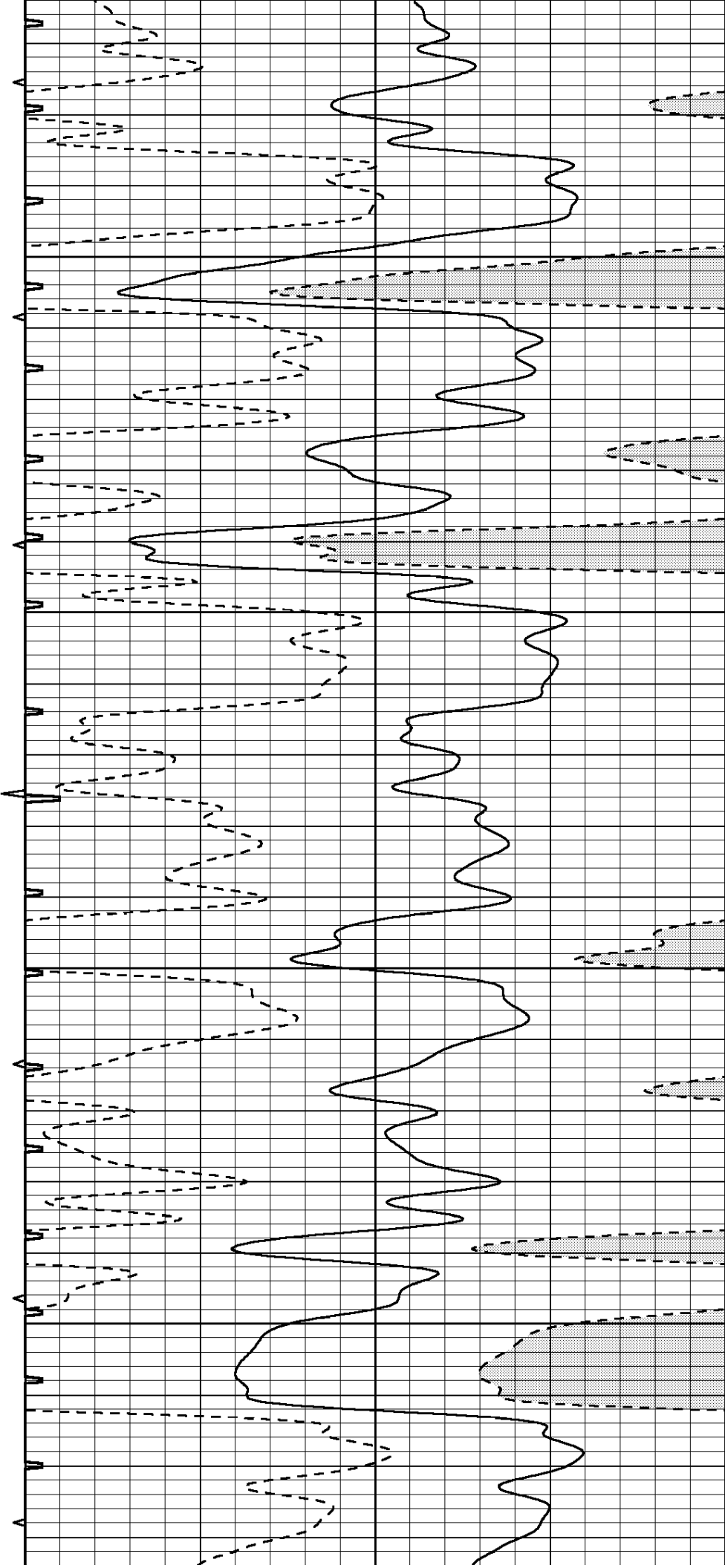


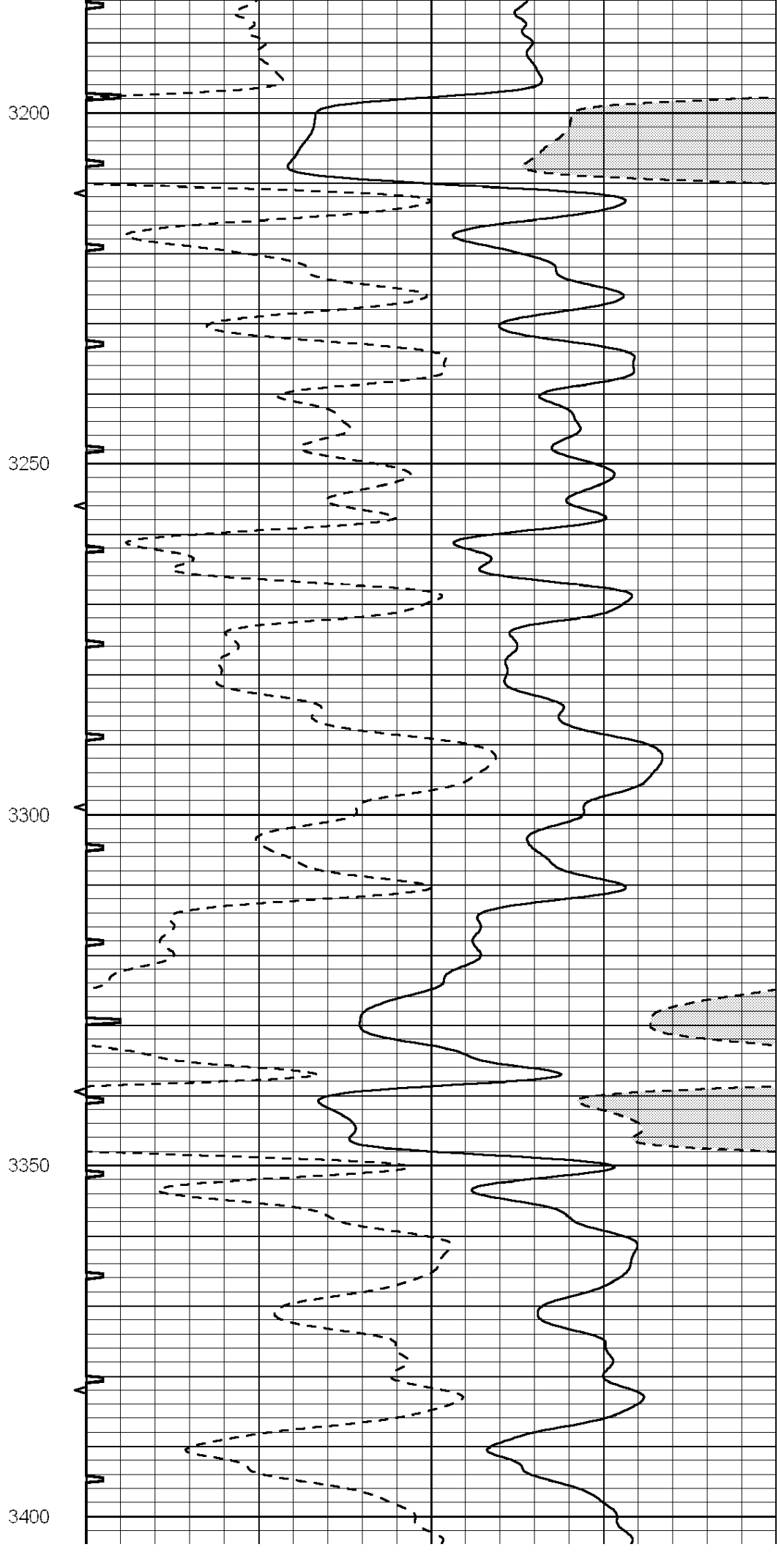
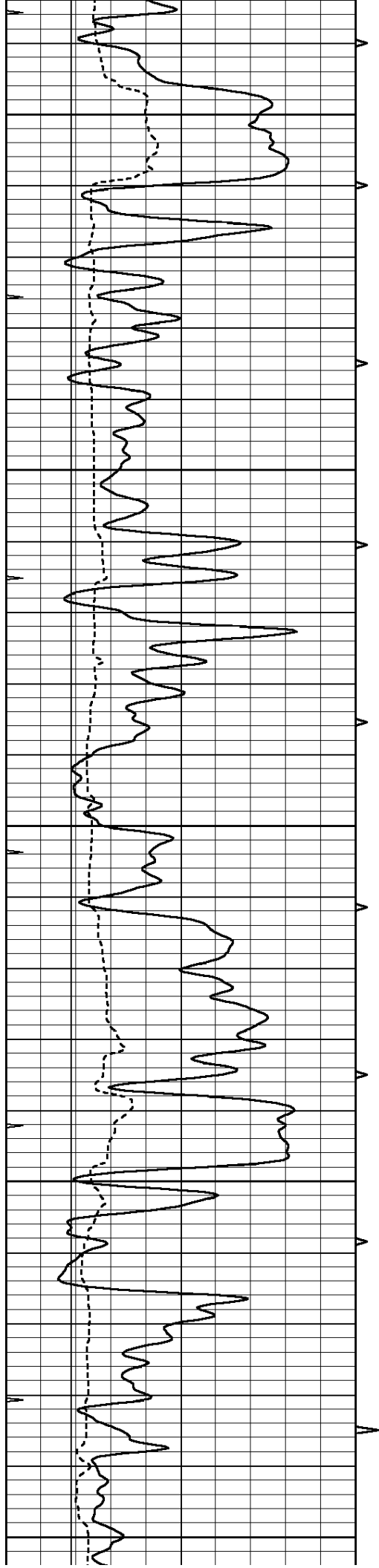
3000

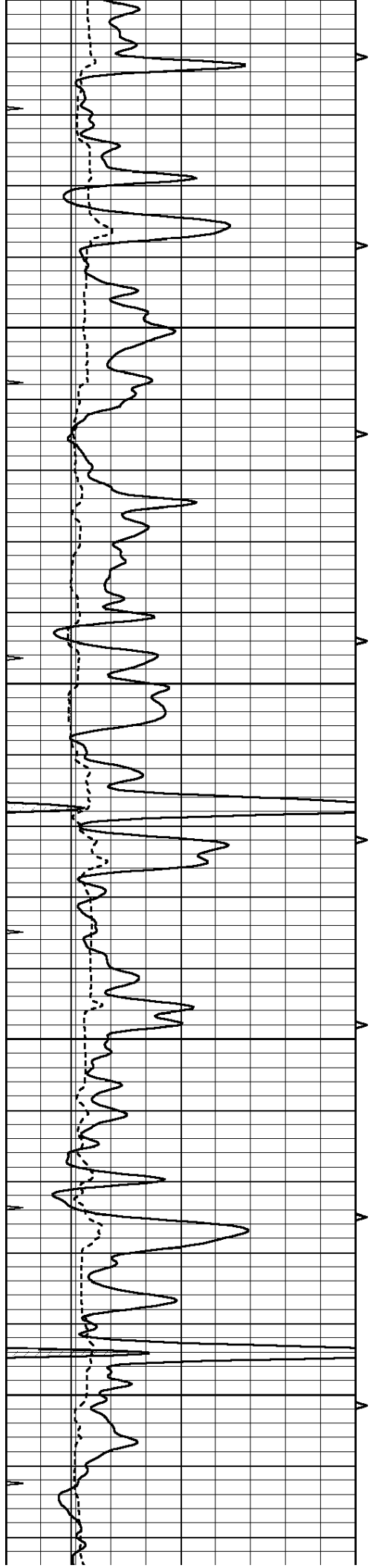
3050

3100

3150





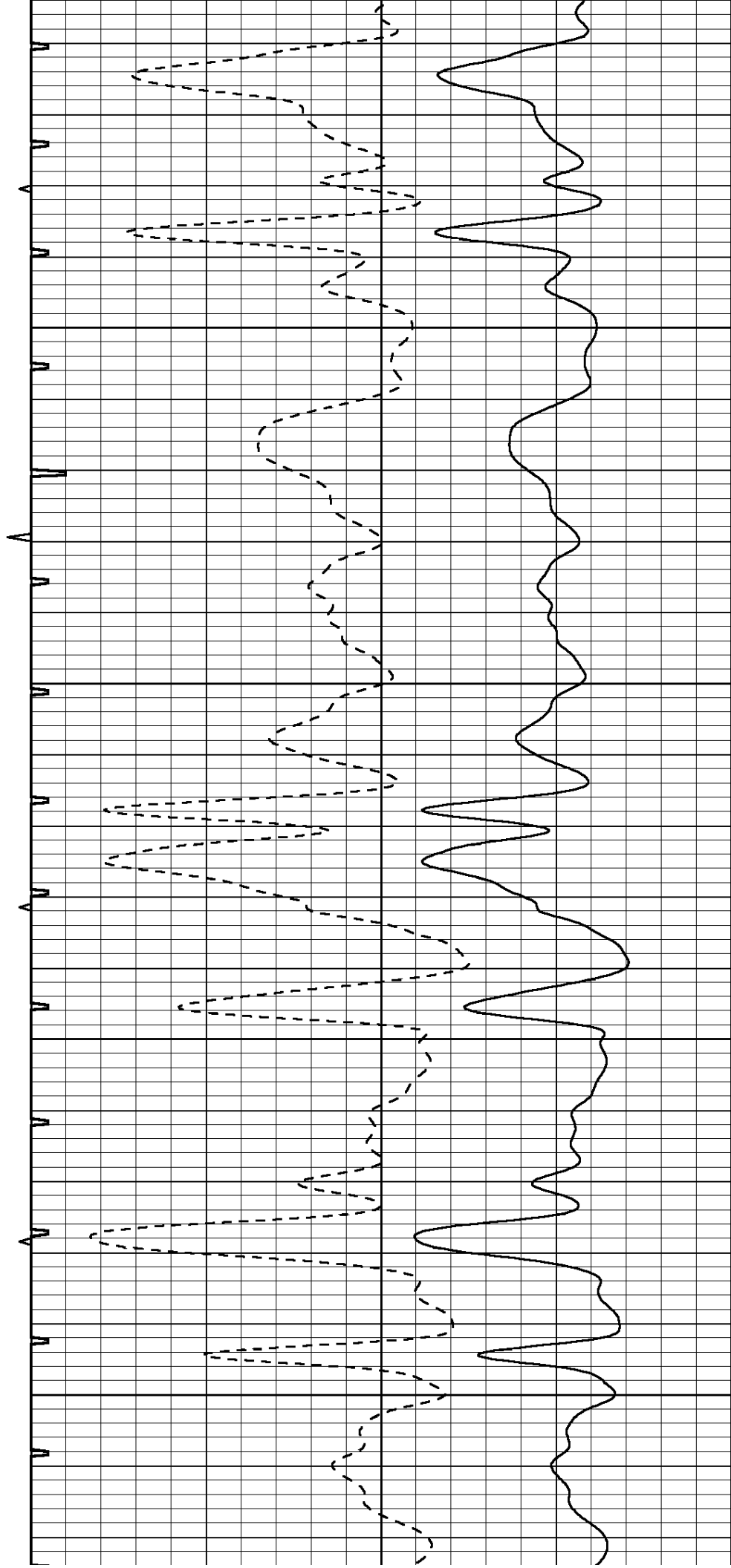


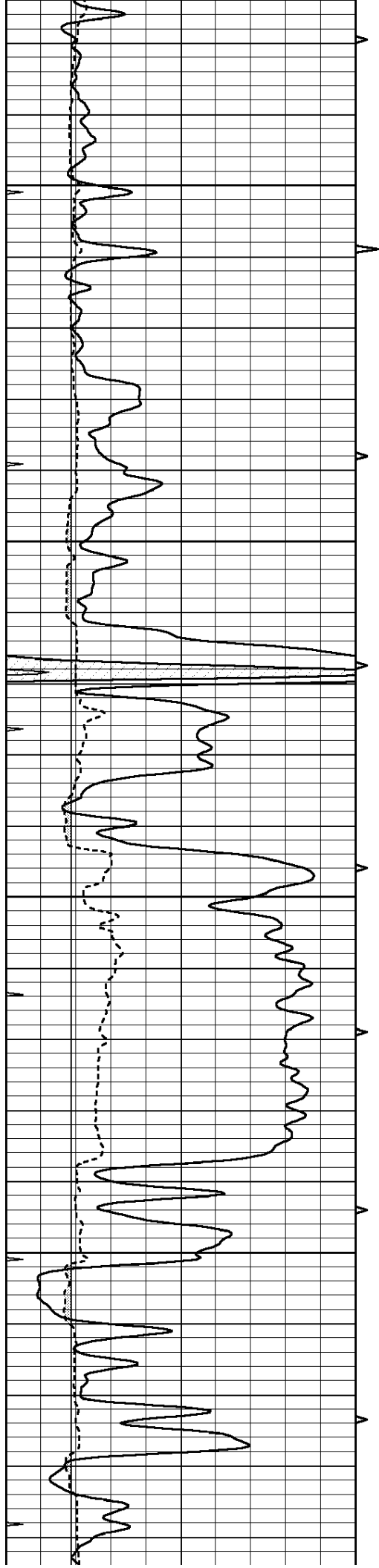
3450

3500

3550

3600



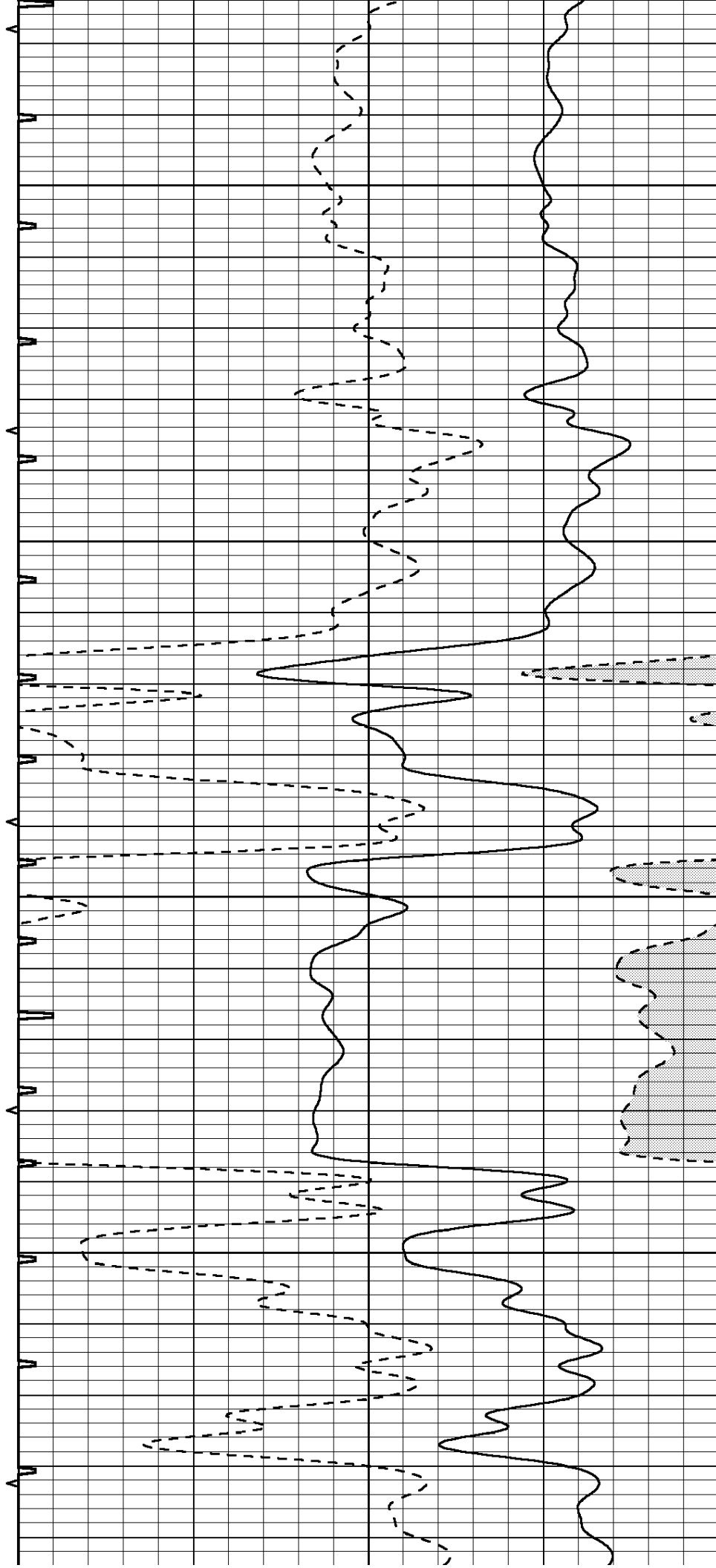


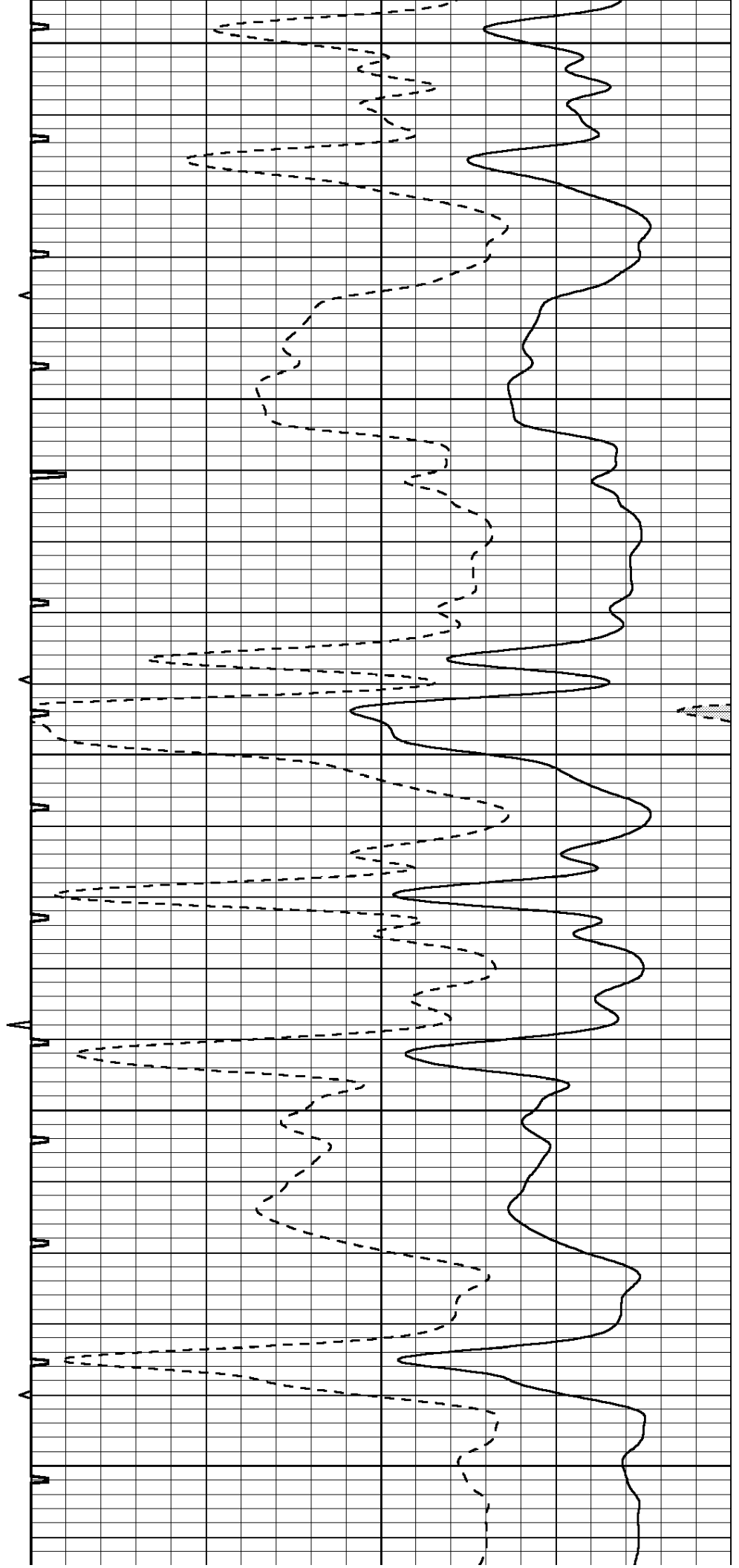
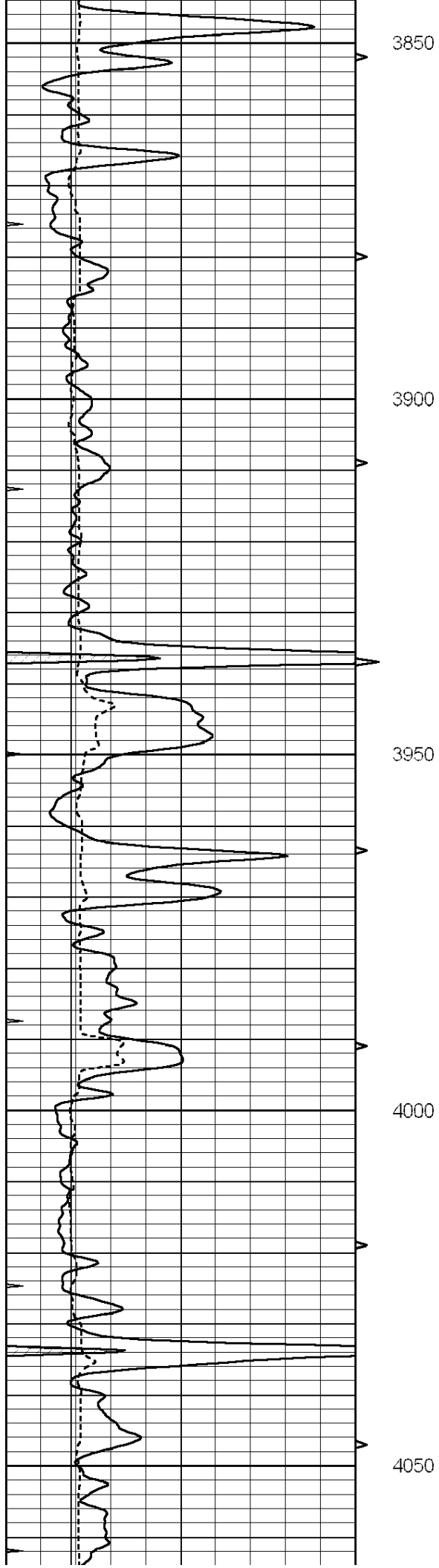
3650

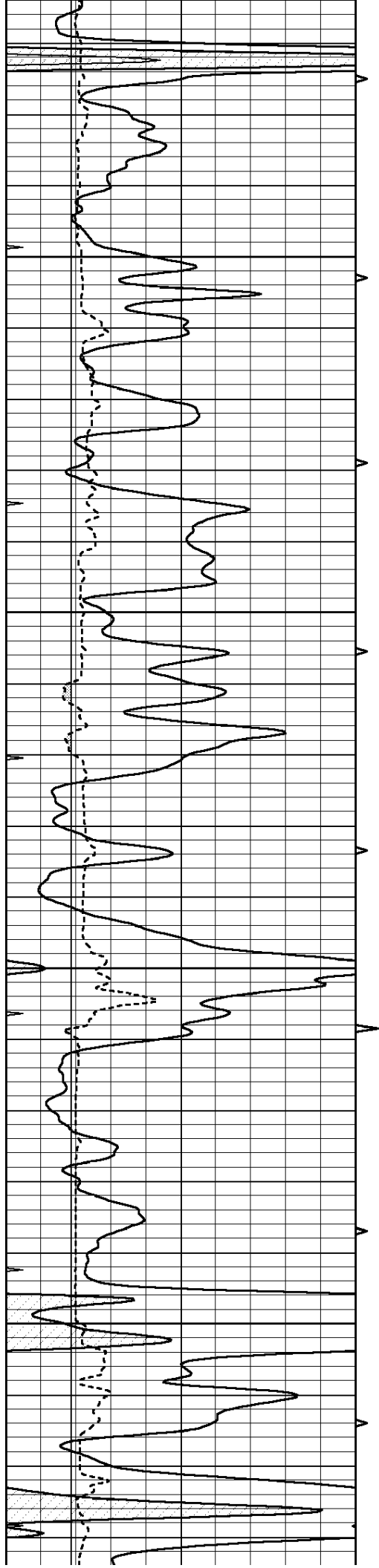
3700

3750

3800





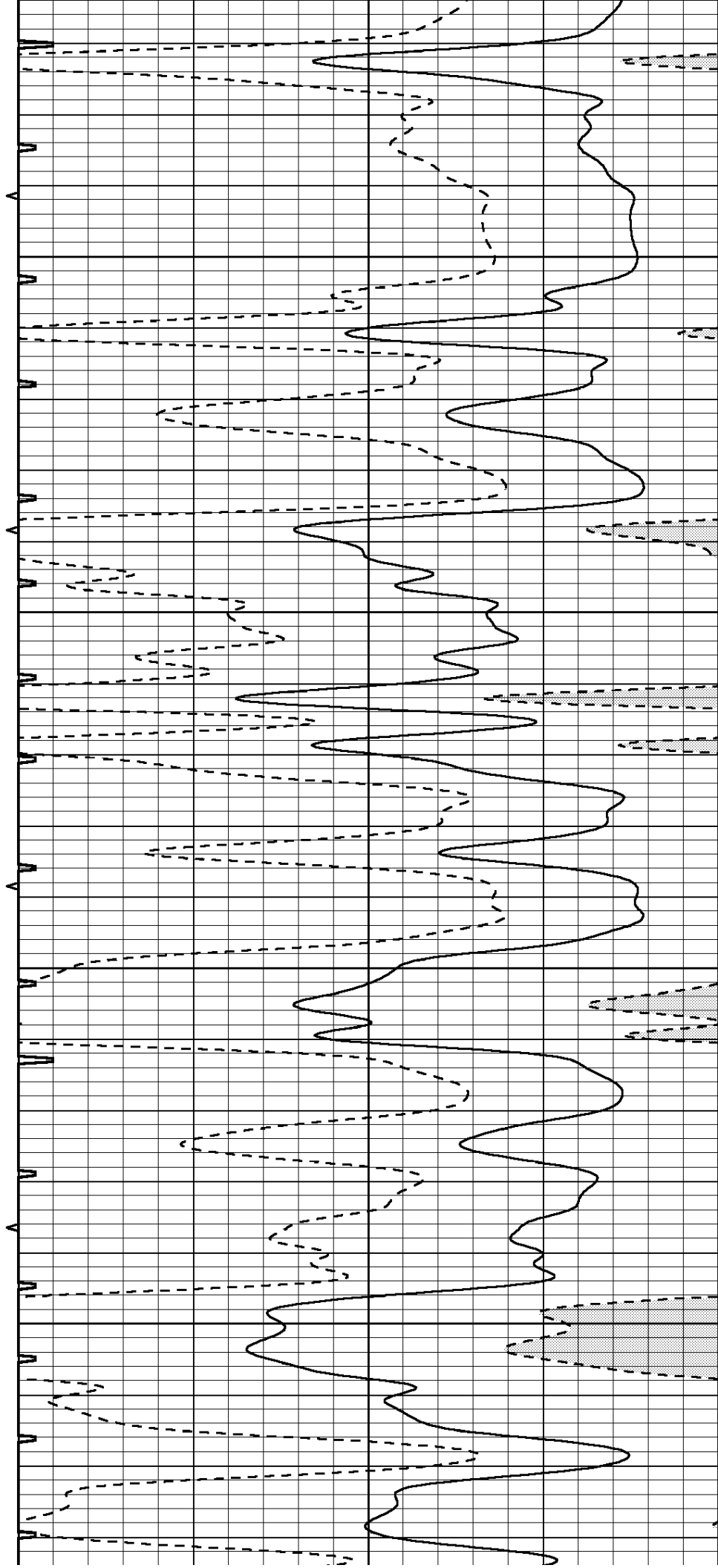


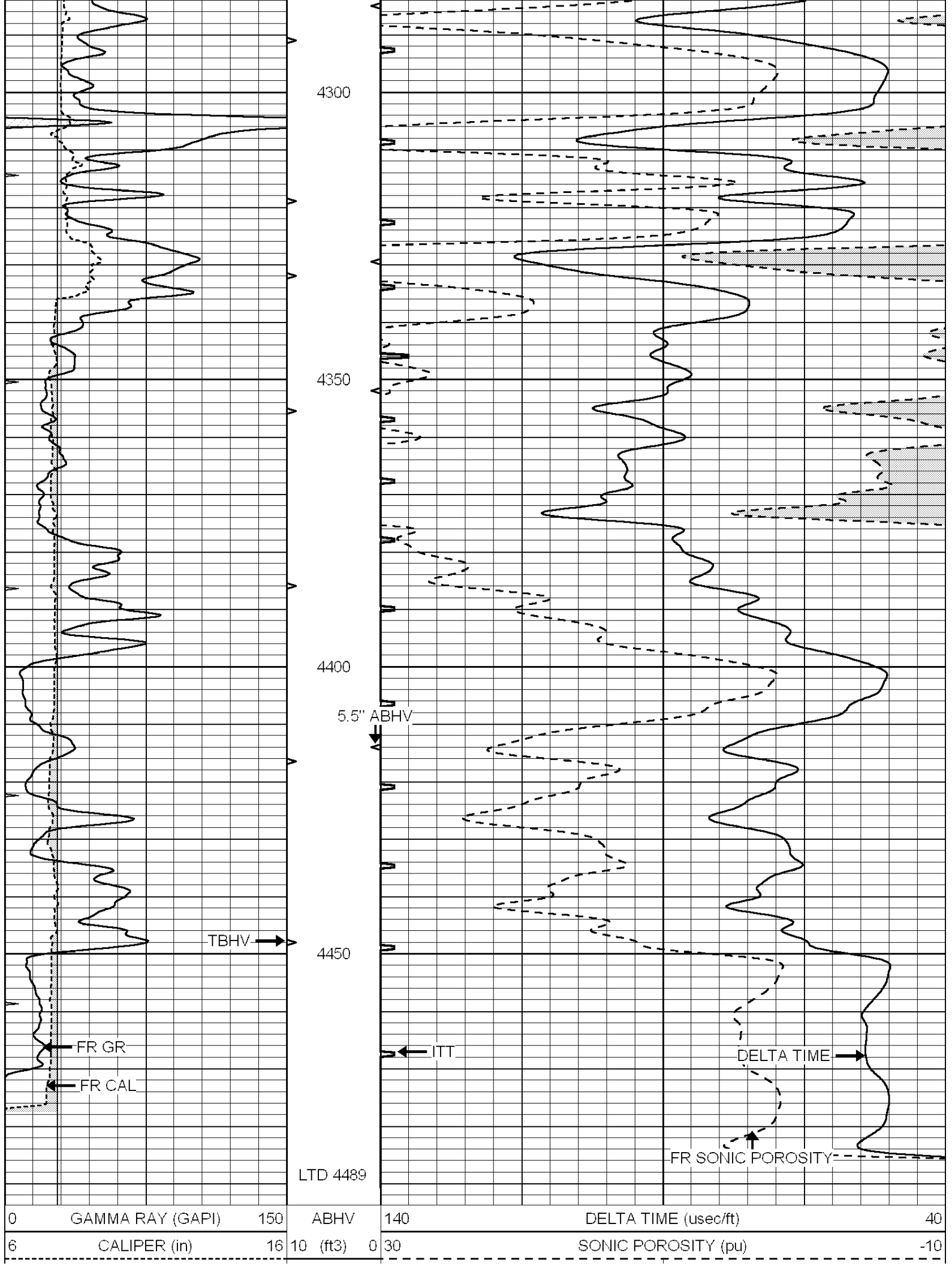
4100

4150

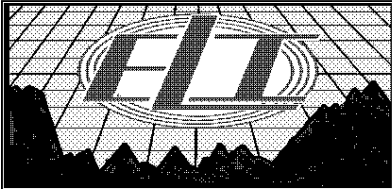
4200

4250





0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3)	10		



REPEAT SECTION

Database File: 2344ddn.db
 Dataset Pathname: pass5.3
 Presentation Format: slt
 Dataset Creation: Sat Mar 03 01:22:45 2018 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				

