



SUPERIOR
Hays,
Kansas

SONIC LOG

Company	CAERUS KANSAS, LLC.		
Well	MORTIMER #31-41		
Field	SETTE		
County	BARTON	State	KANSAS
Location:	AP1 # : 15-009-25726-0000		Other Services CDL/CNL DIL/MEL
Permanent Datum	GROUND LEVEL		Elevation 1870
Log Measured From	KELLY BUSHING 10' A.G.L.		
Drilling Measured From	KELLY BUSHING		
SEC 31 TWP 17S RGE 13W			
Date	7/31/12		
Run Number	TWO		
Depth Driller	3472		
Depth Logger	3474		
Bottom Logged Interval	3462		
Top Log Interval	800		
Casing Driller	8 5/8"@852'		
Casing Logger	854		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3,000 PPM	
Density / Viscosity	9.3/52		
pH / Fluid Loss	10.5/9.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.20@98F		
Rmt @ Meas. Temp	.900@98F		
Rmc @ Meas. Temp	1.44@98F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	1.06@111F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	8:00 P.M.		
Maximum Recorded Temperature	111F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JUSTIN CARTER	BRIAN KARLIN	

<<< 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 SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS

RUSSELL, KS. & I-70, S. ON HWY 281 TO HWY 4, E. TO CURVE, AFTER CURVING S., W. INTO THEN
FOLLOW TRAIL PARALLEL TO HIGHWAY N. & W.

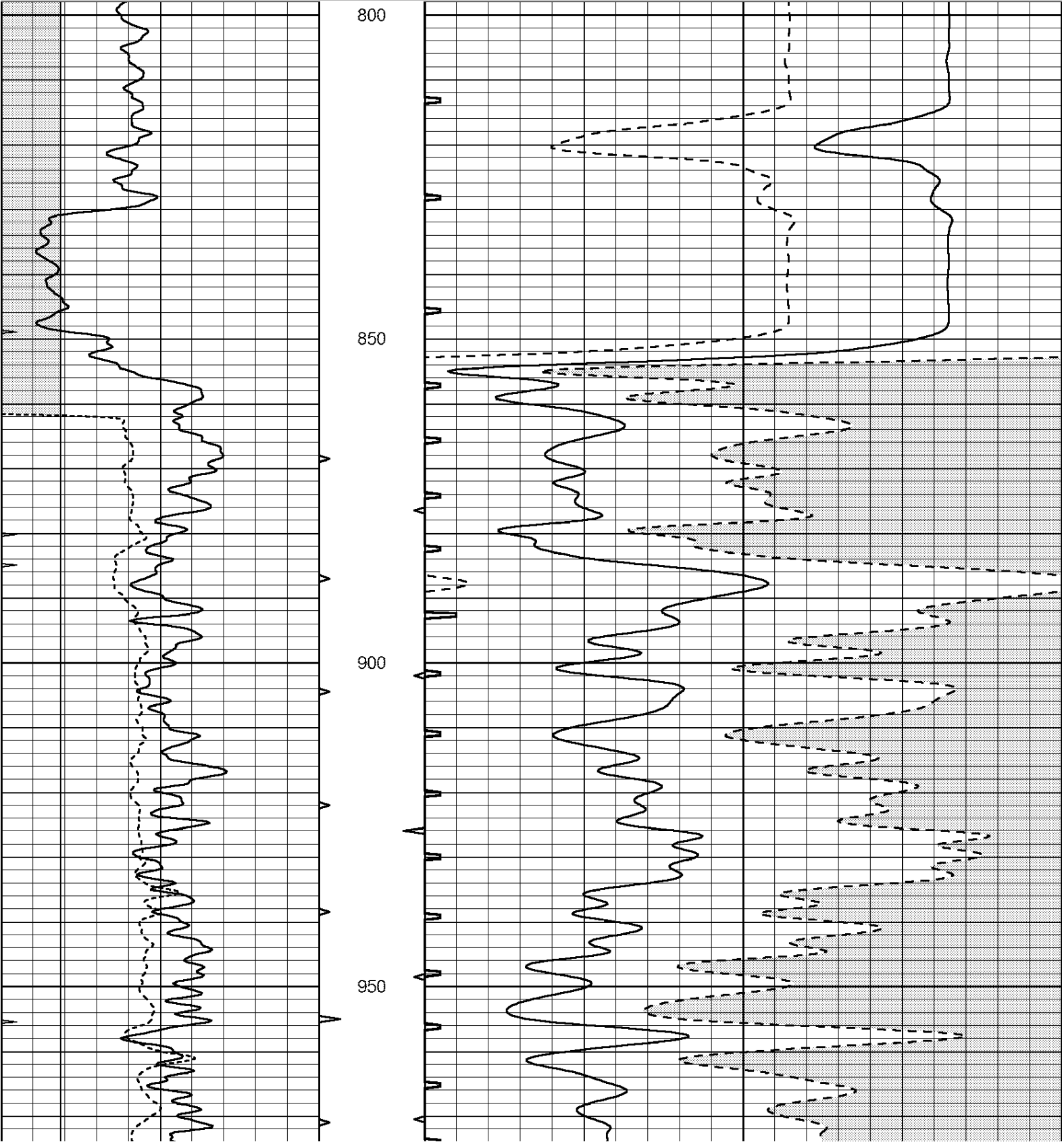


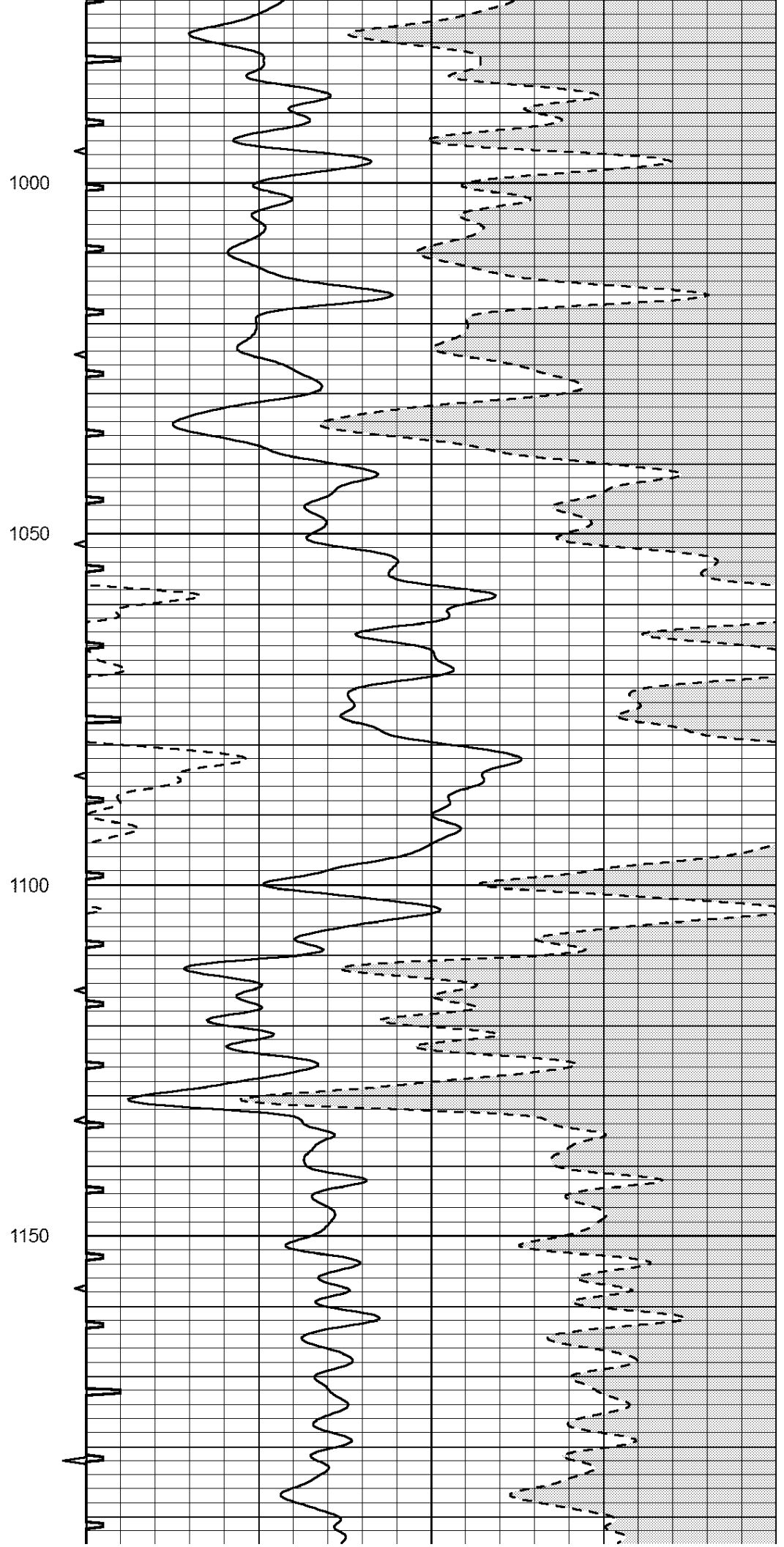
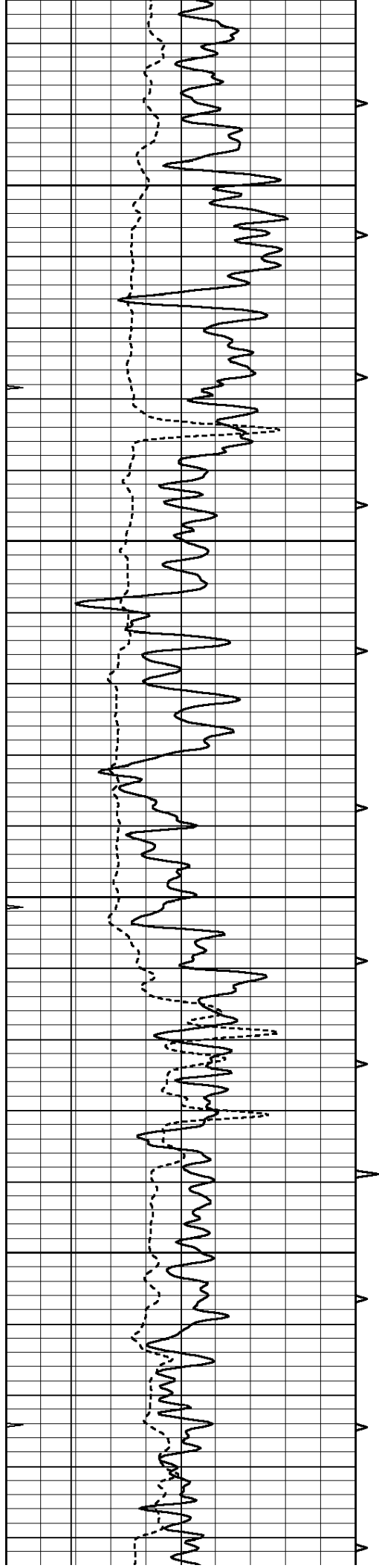
SUPERIOR
Hays,
Kansas

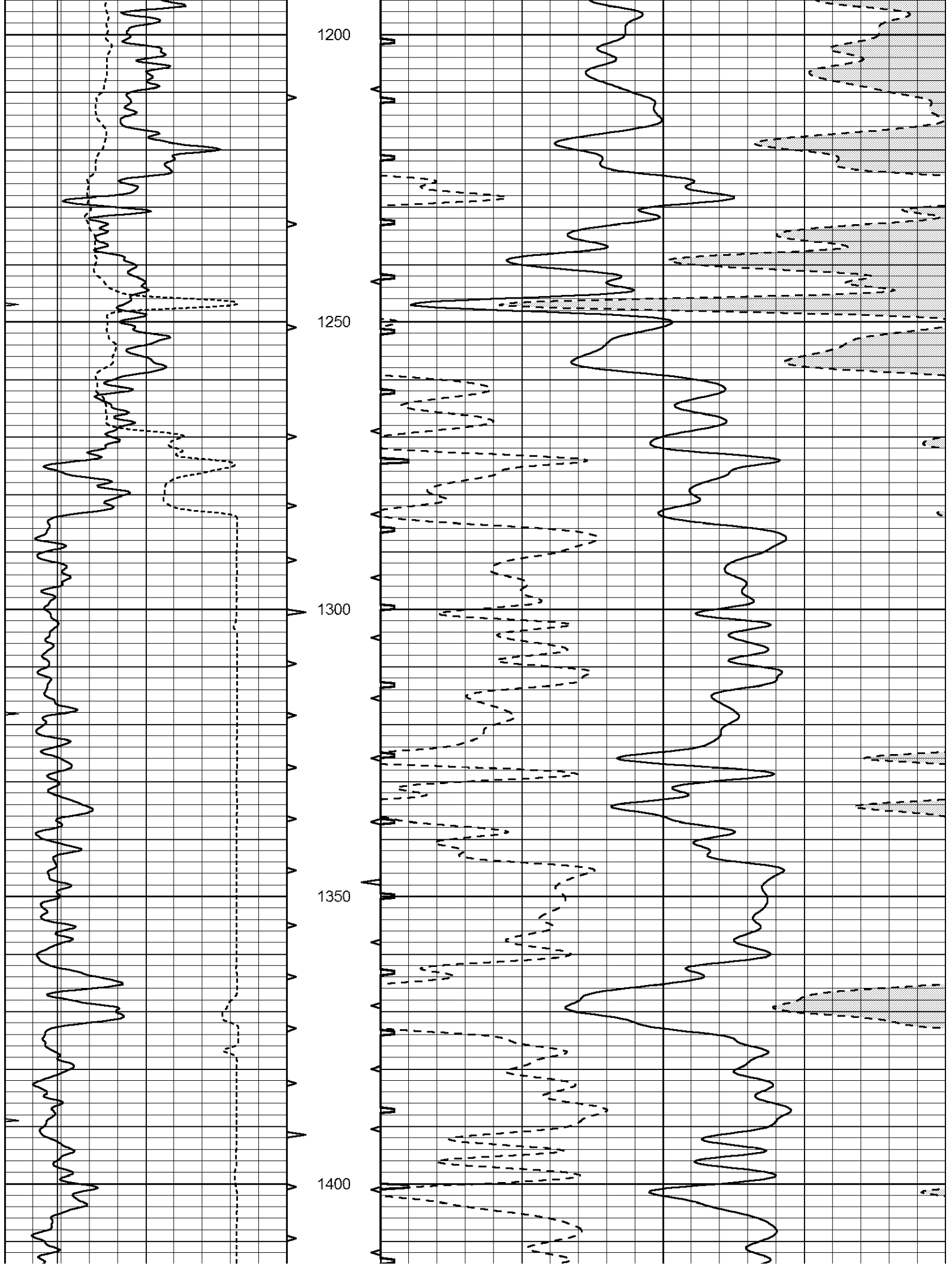
MAIN SECTION

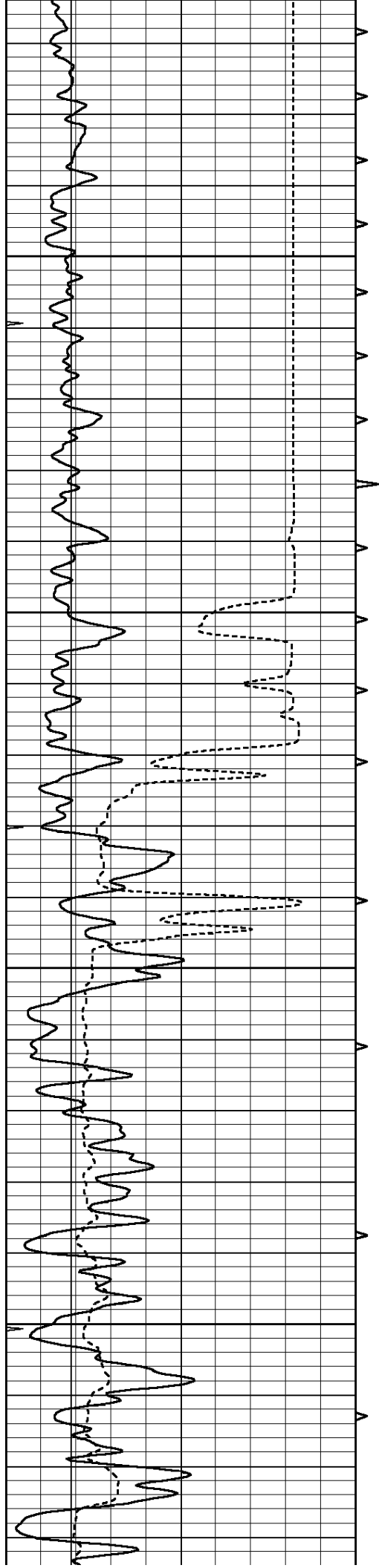
Database File: 409443ddn.db
Dataset Pathname: pass6.5
Presentation Format: slt
Dataset Creation: Mon Jul 30 23:41:00 2012
Charted by: Depth in Feet scaled 1:240

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			







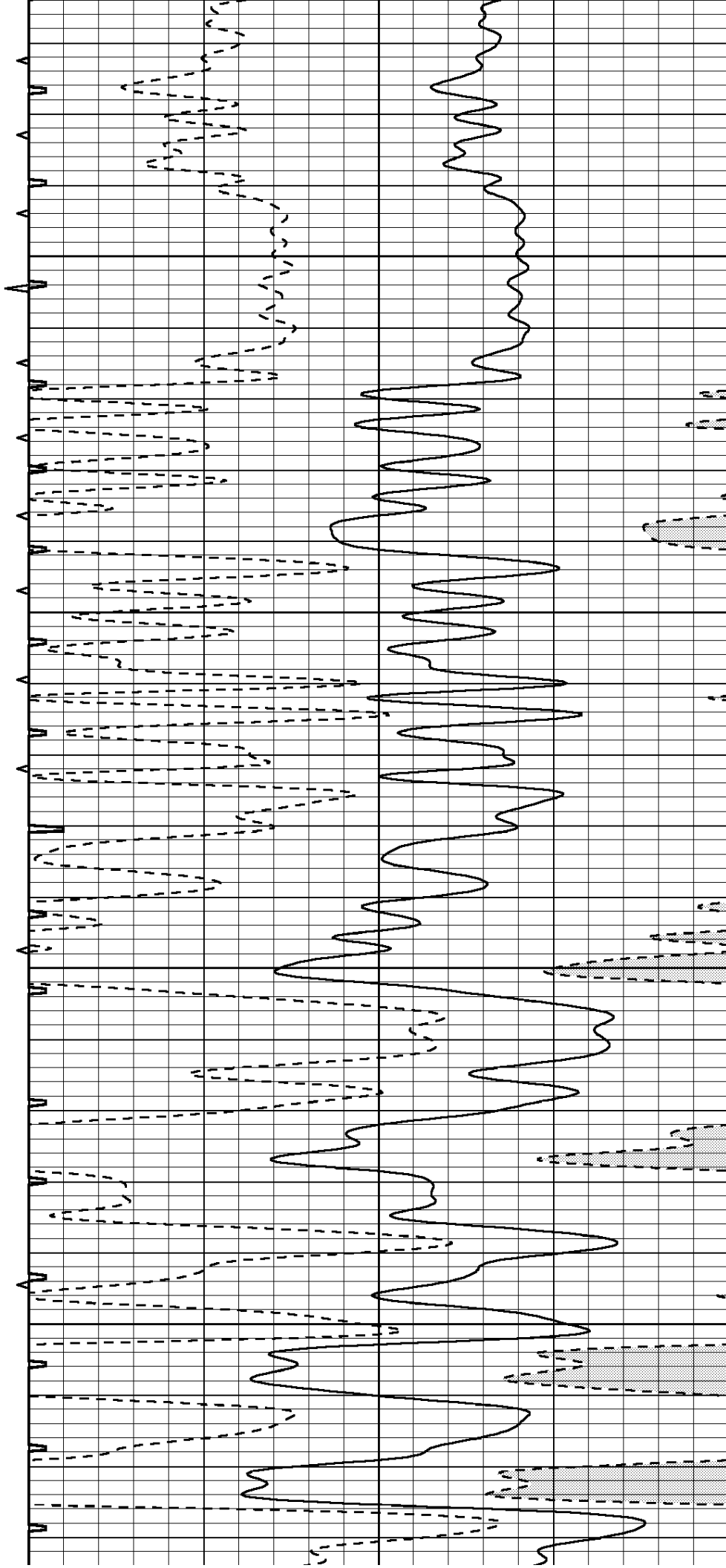


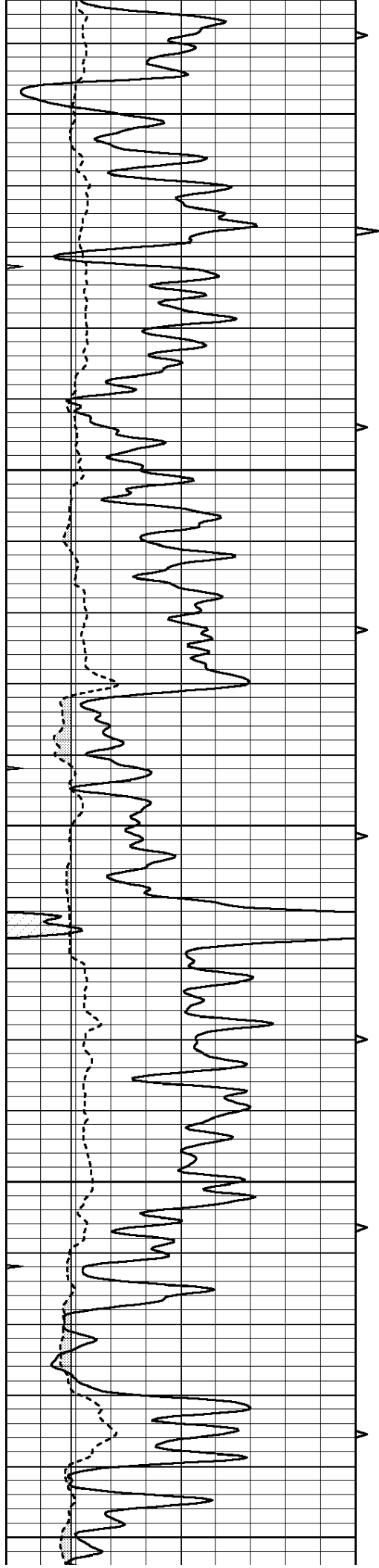
1450

1500

1550

1600





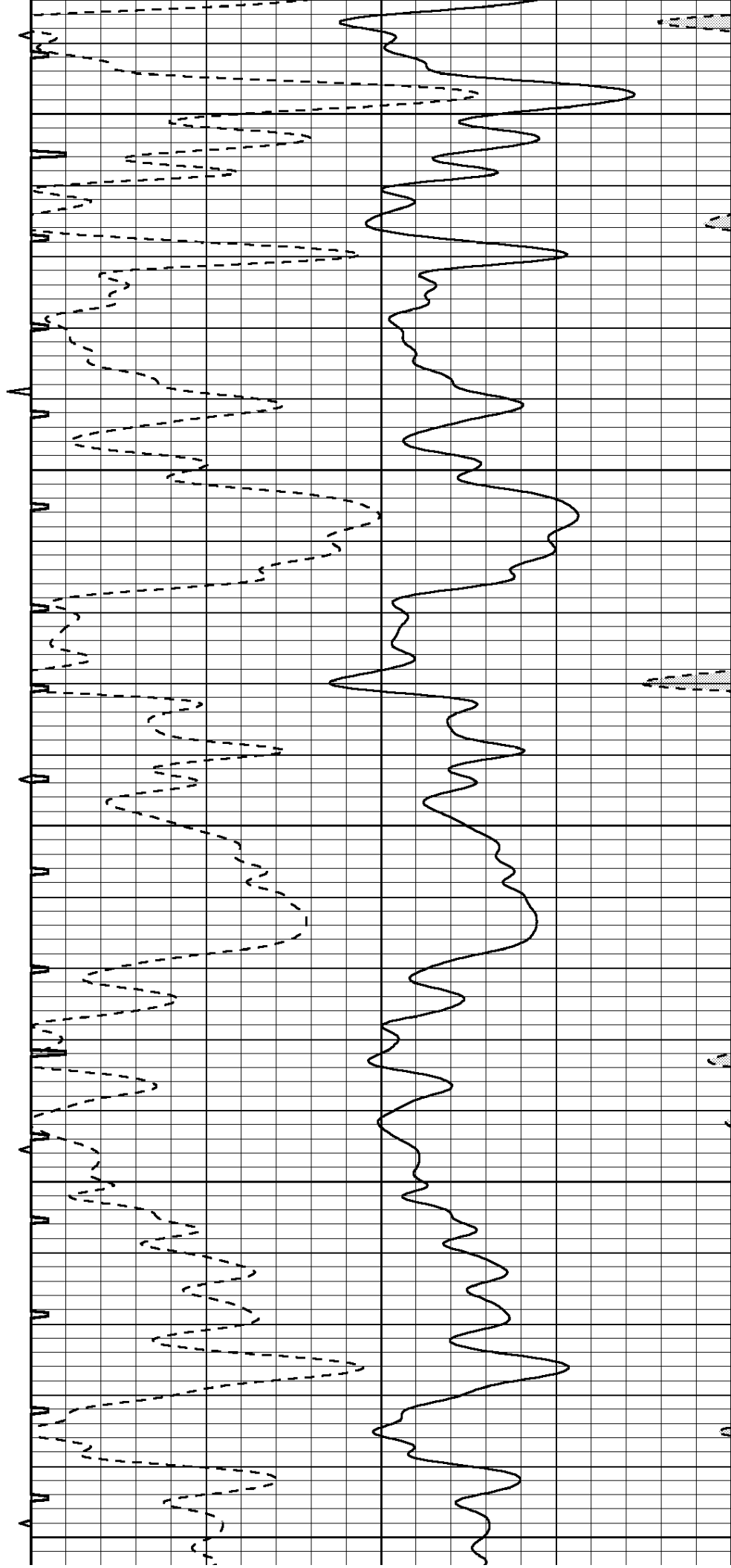
1650

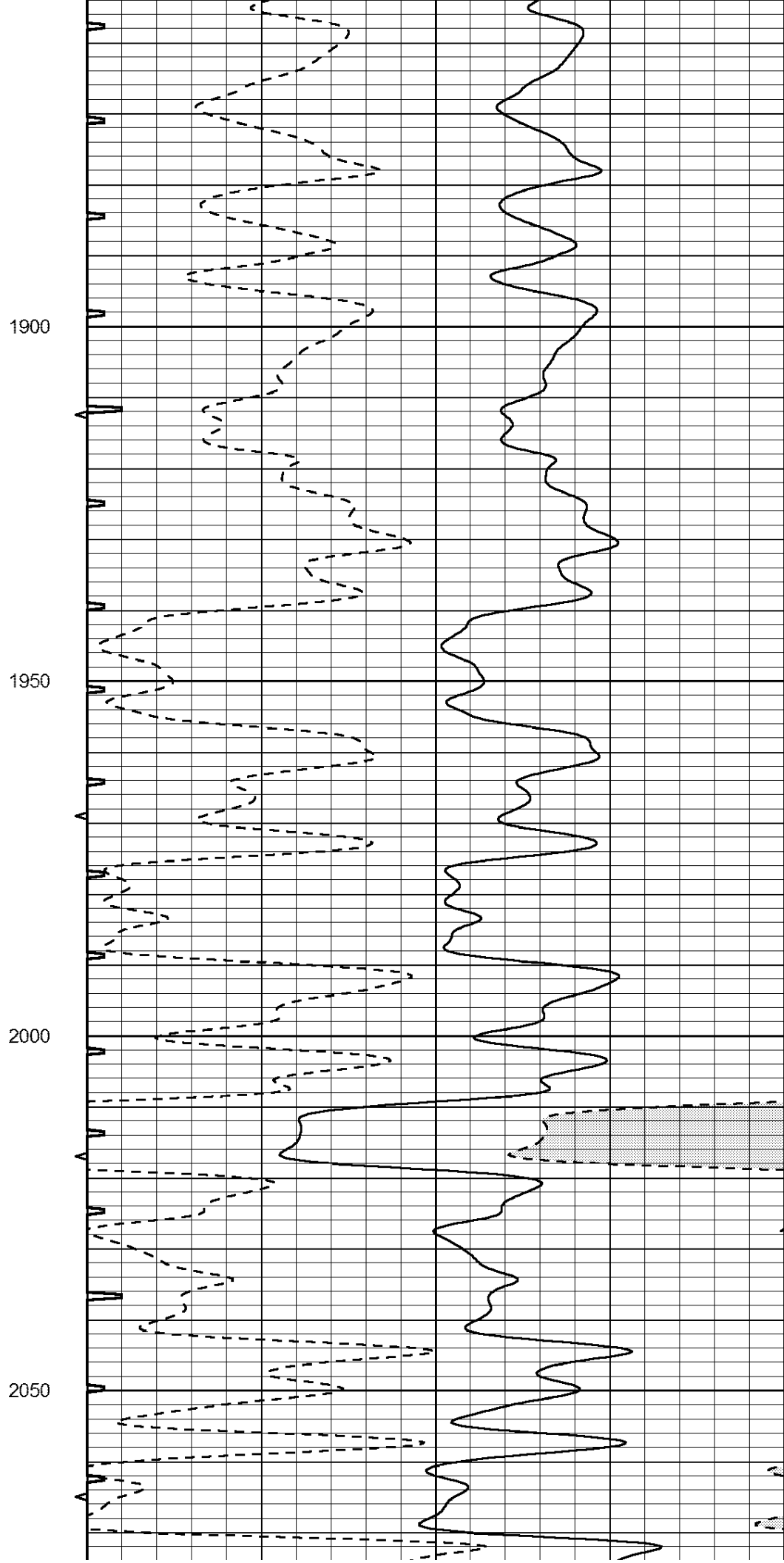
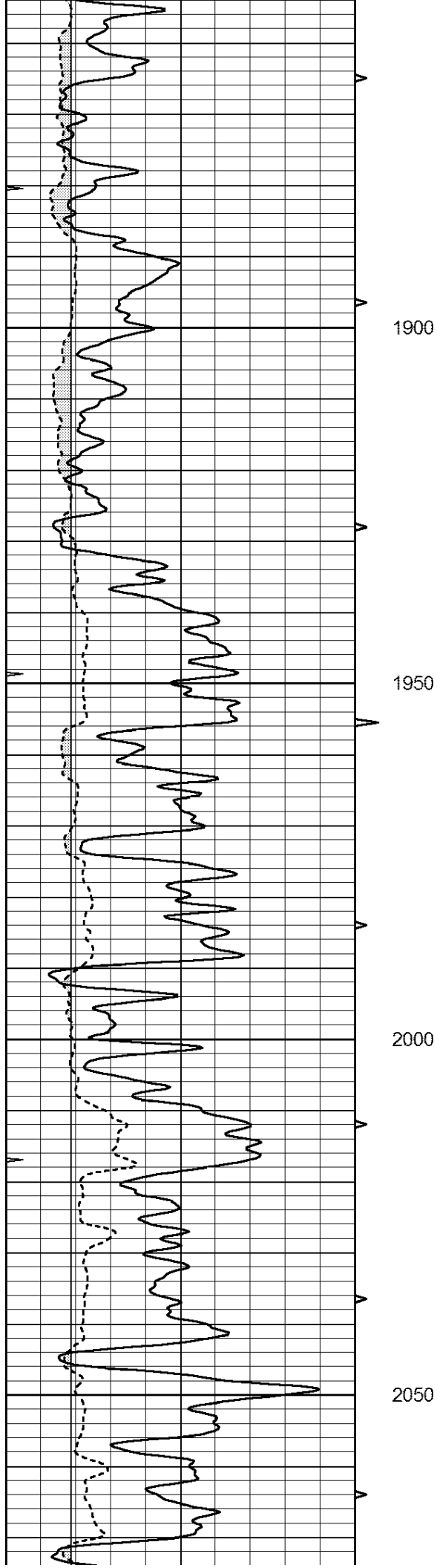
1700

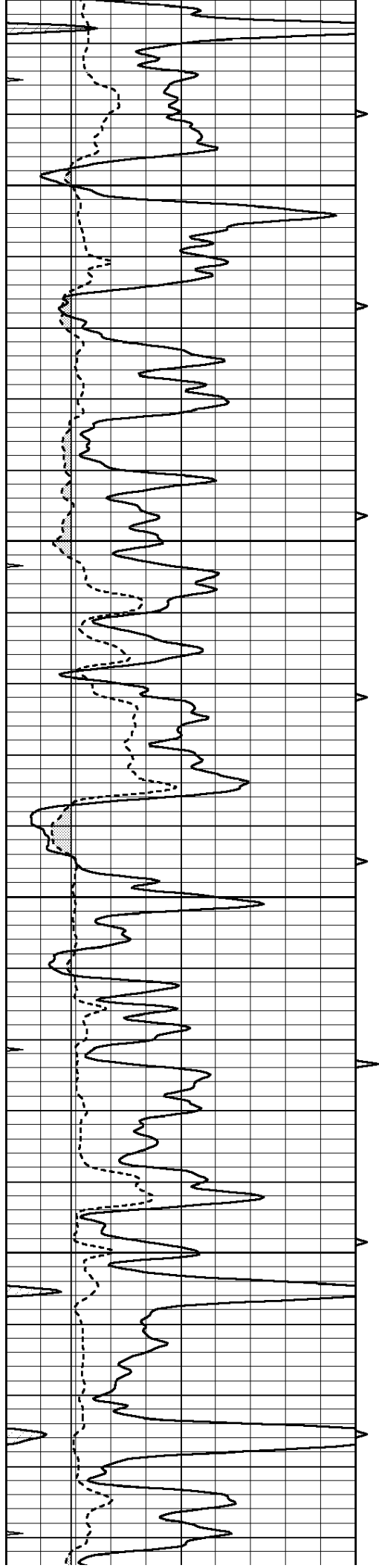
1750

1800

1850





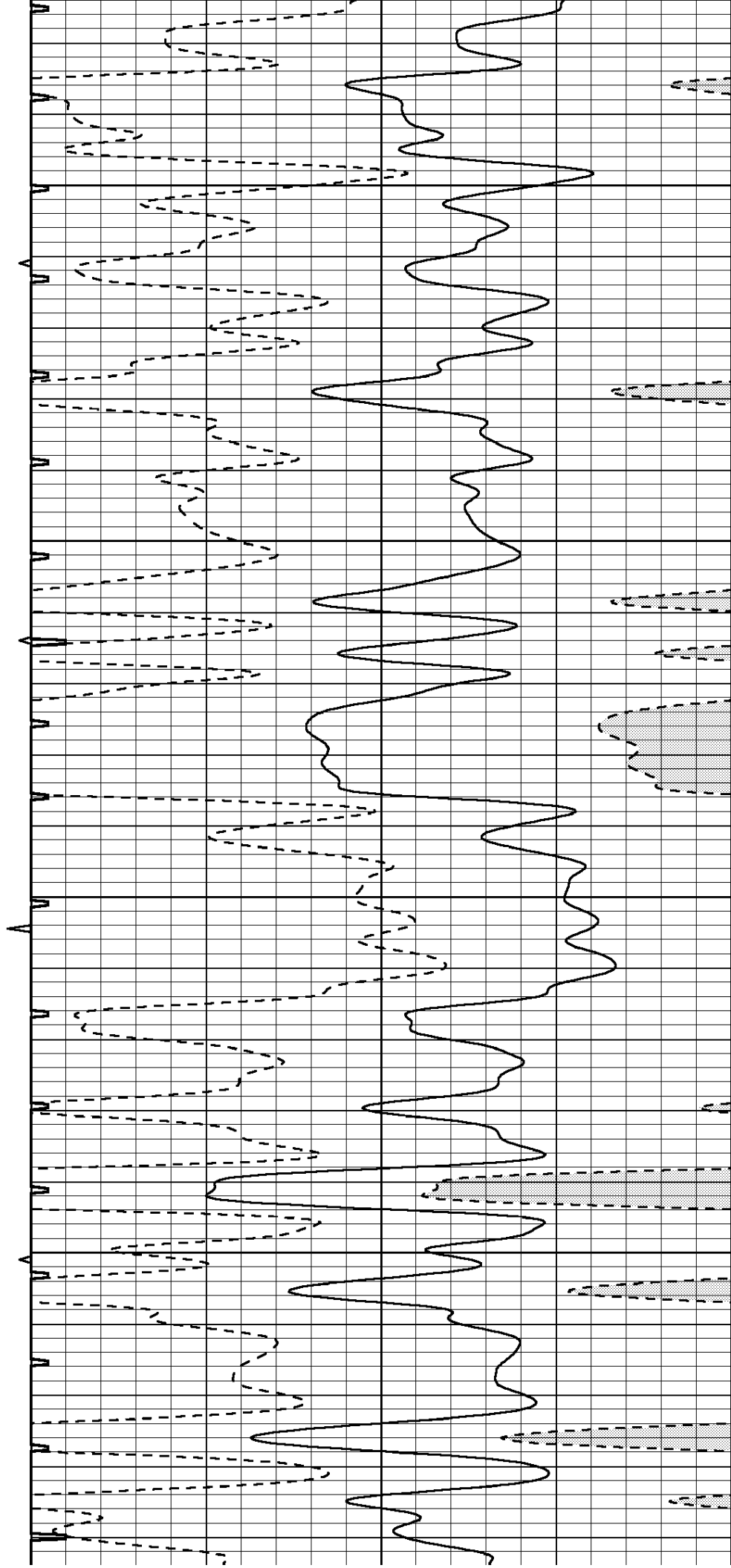


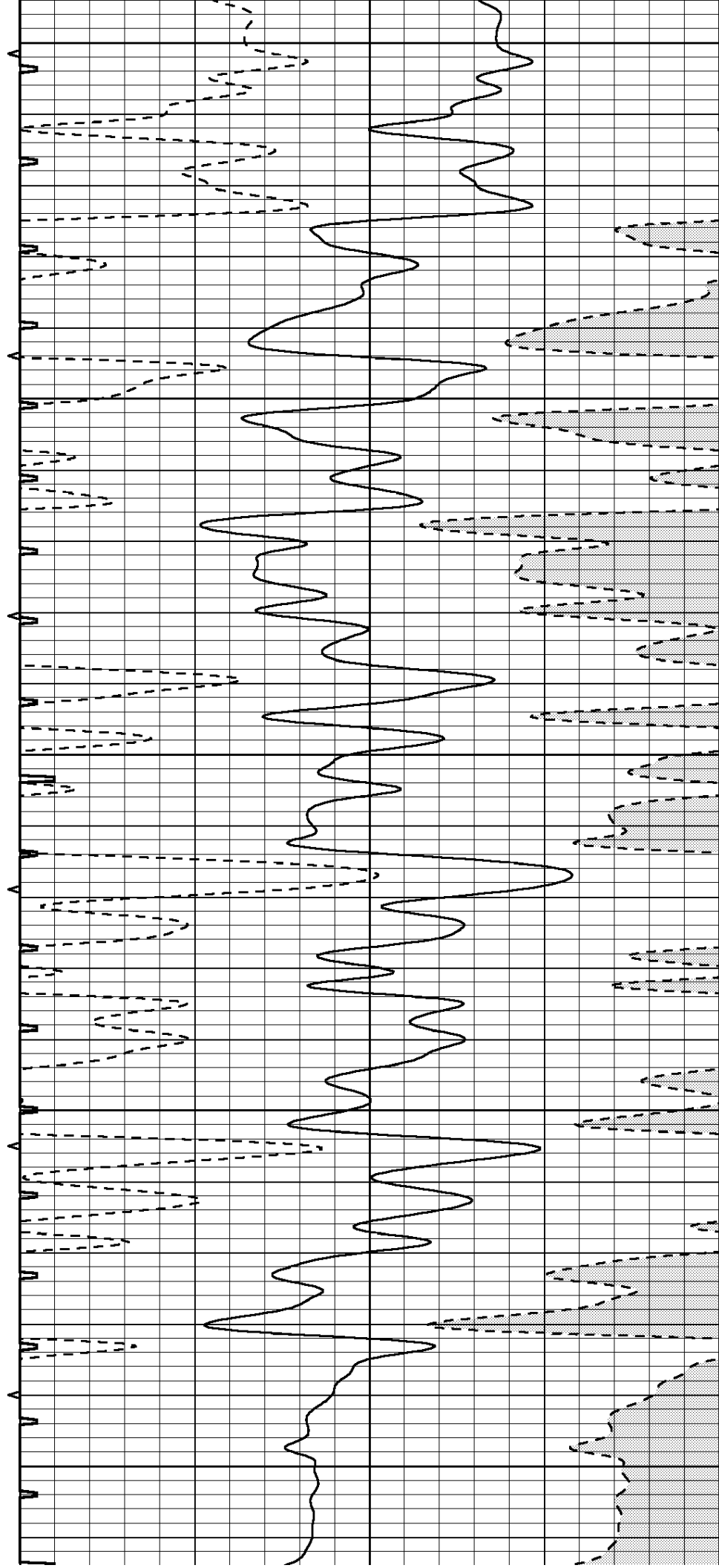
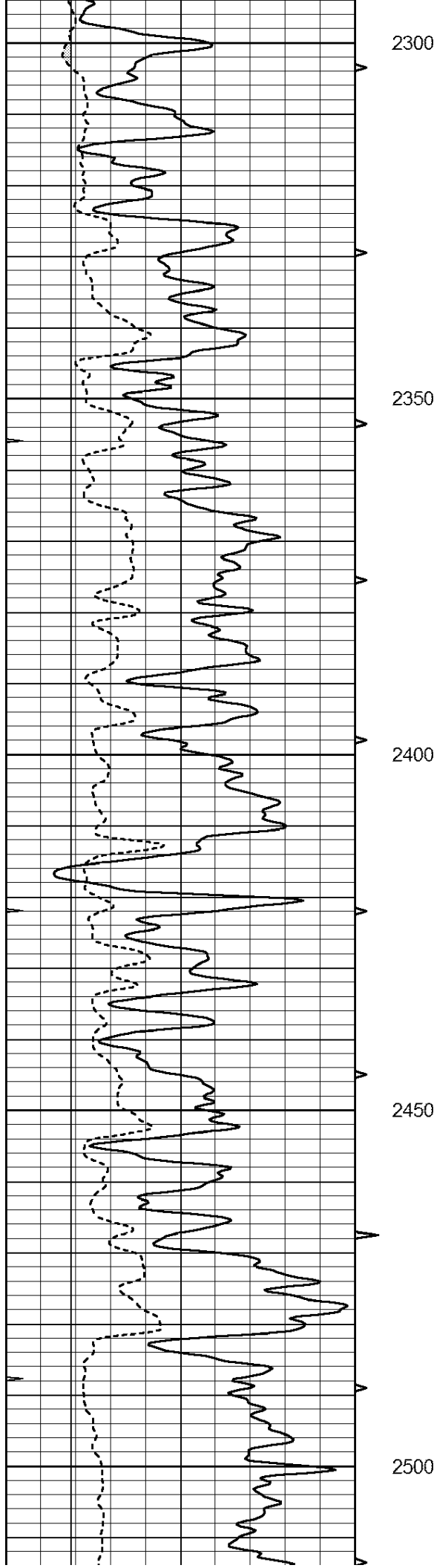
2100

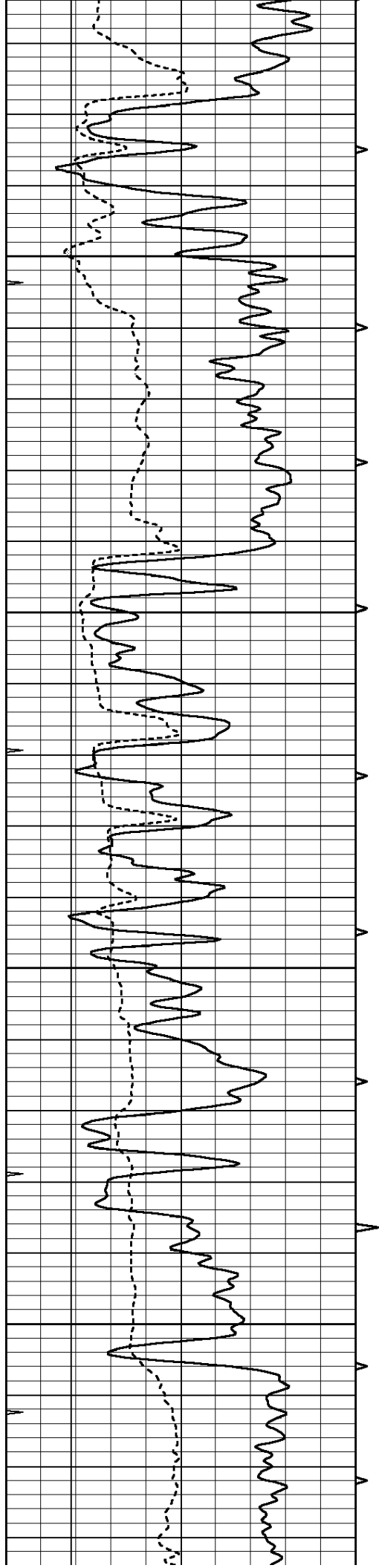
2150

2200

2250





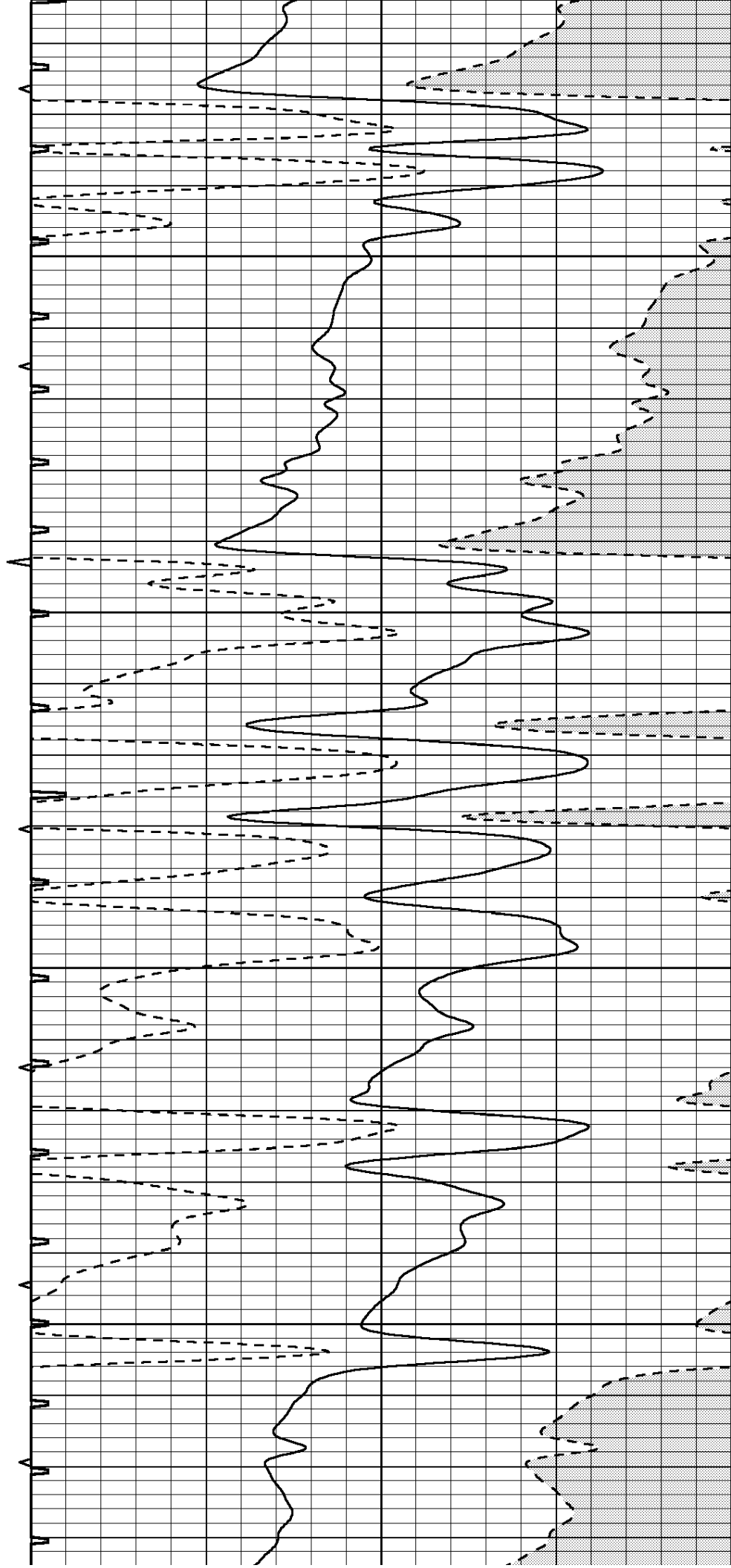


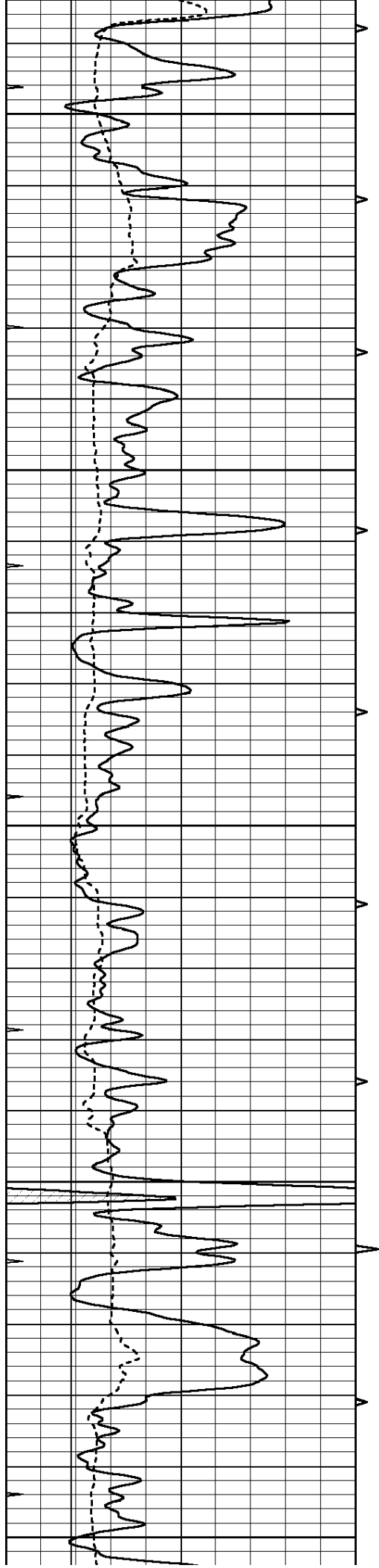
2550

2600

2650

2700





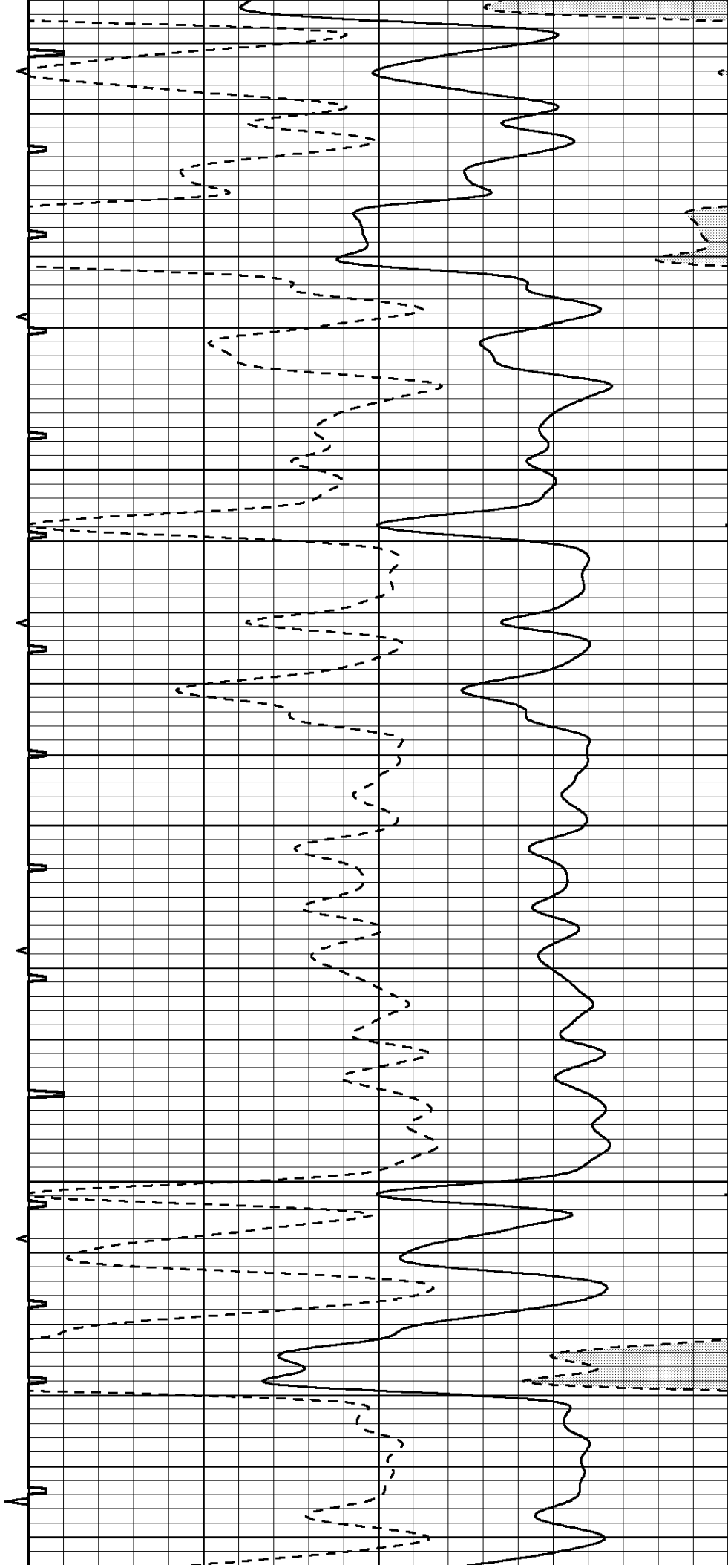
2750

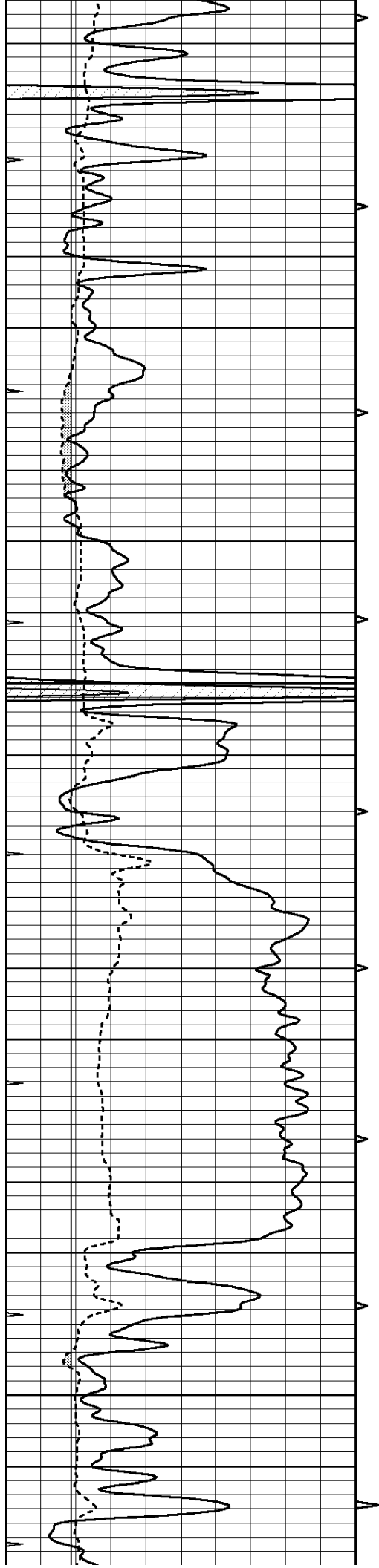
2800

2850

2900

2950



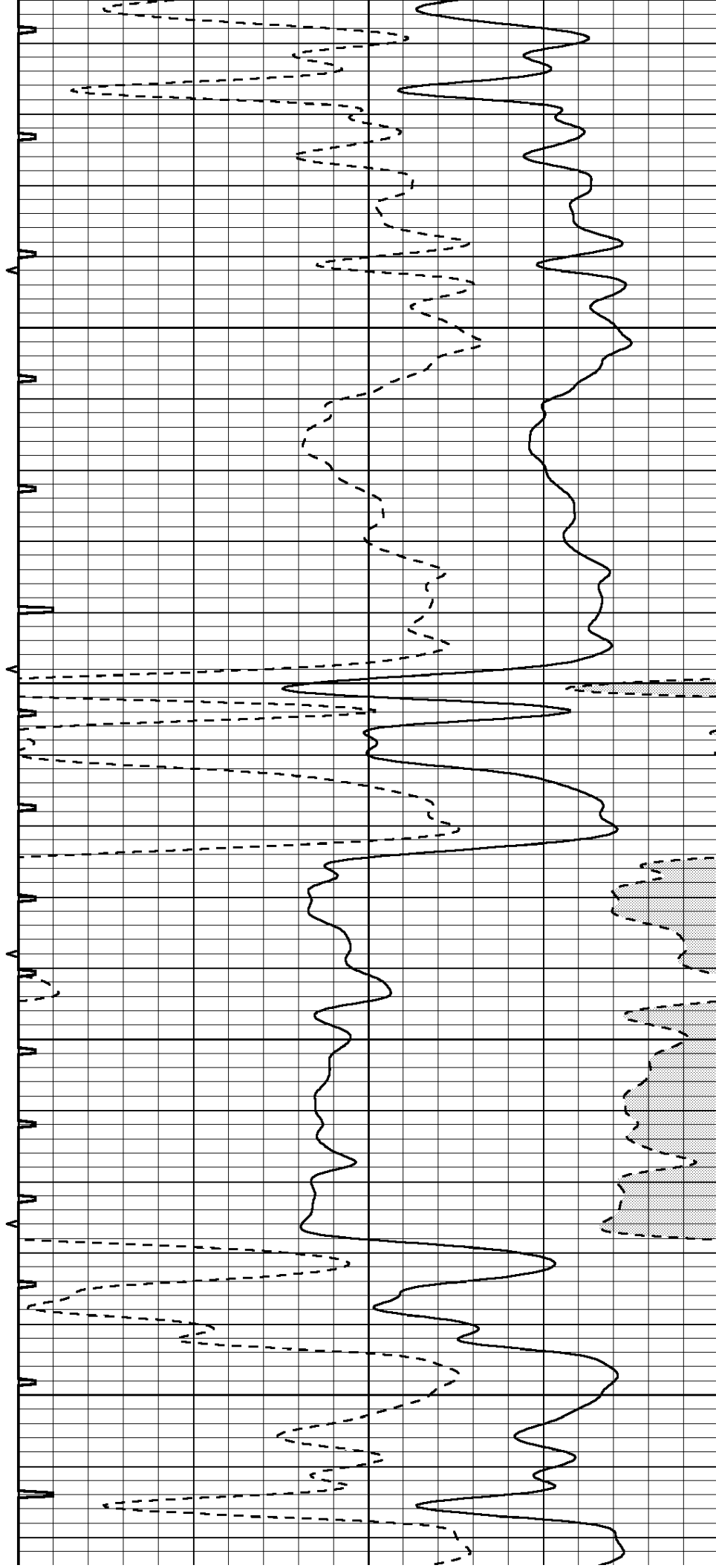


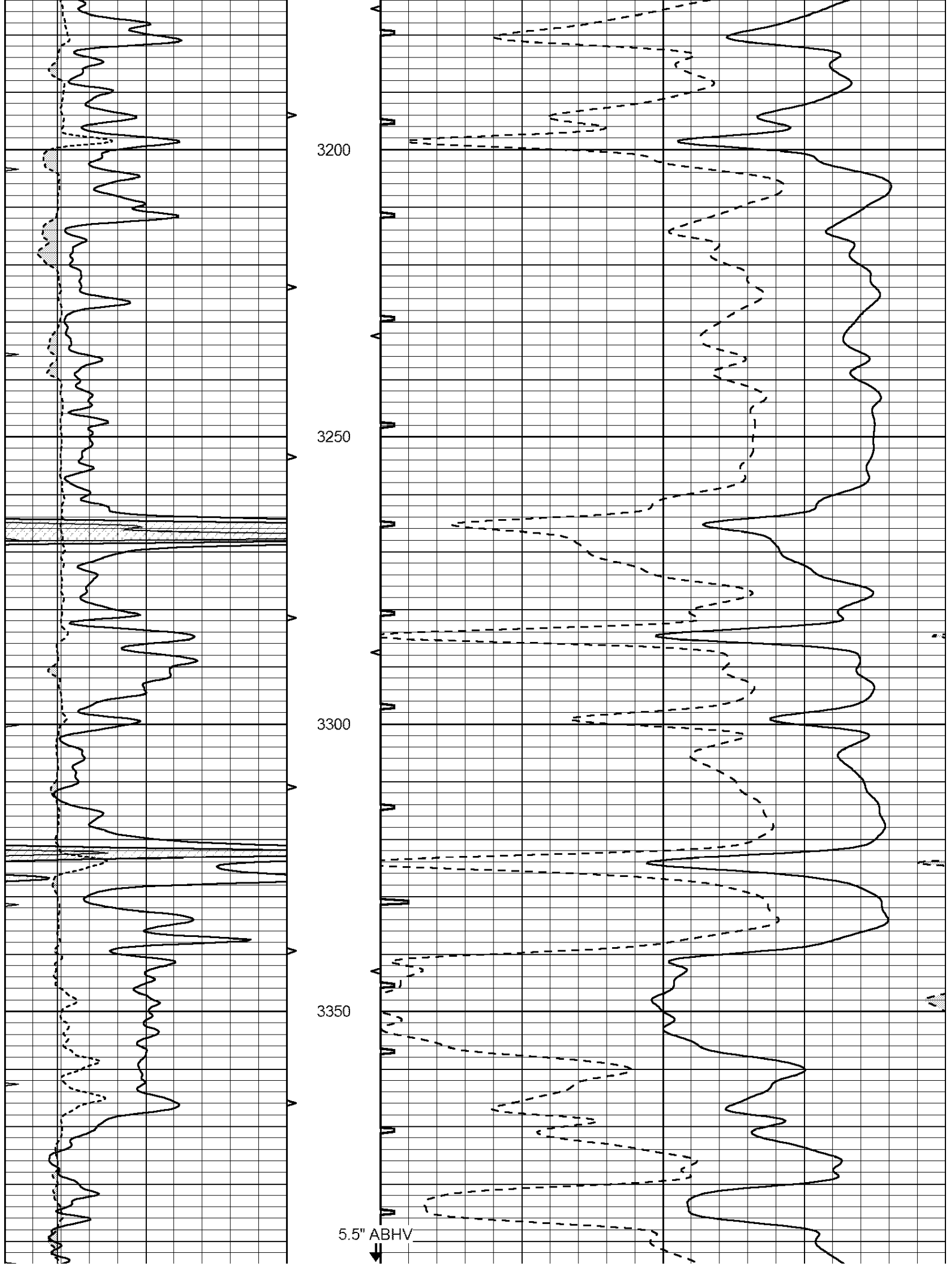
3000

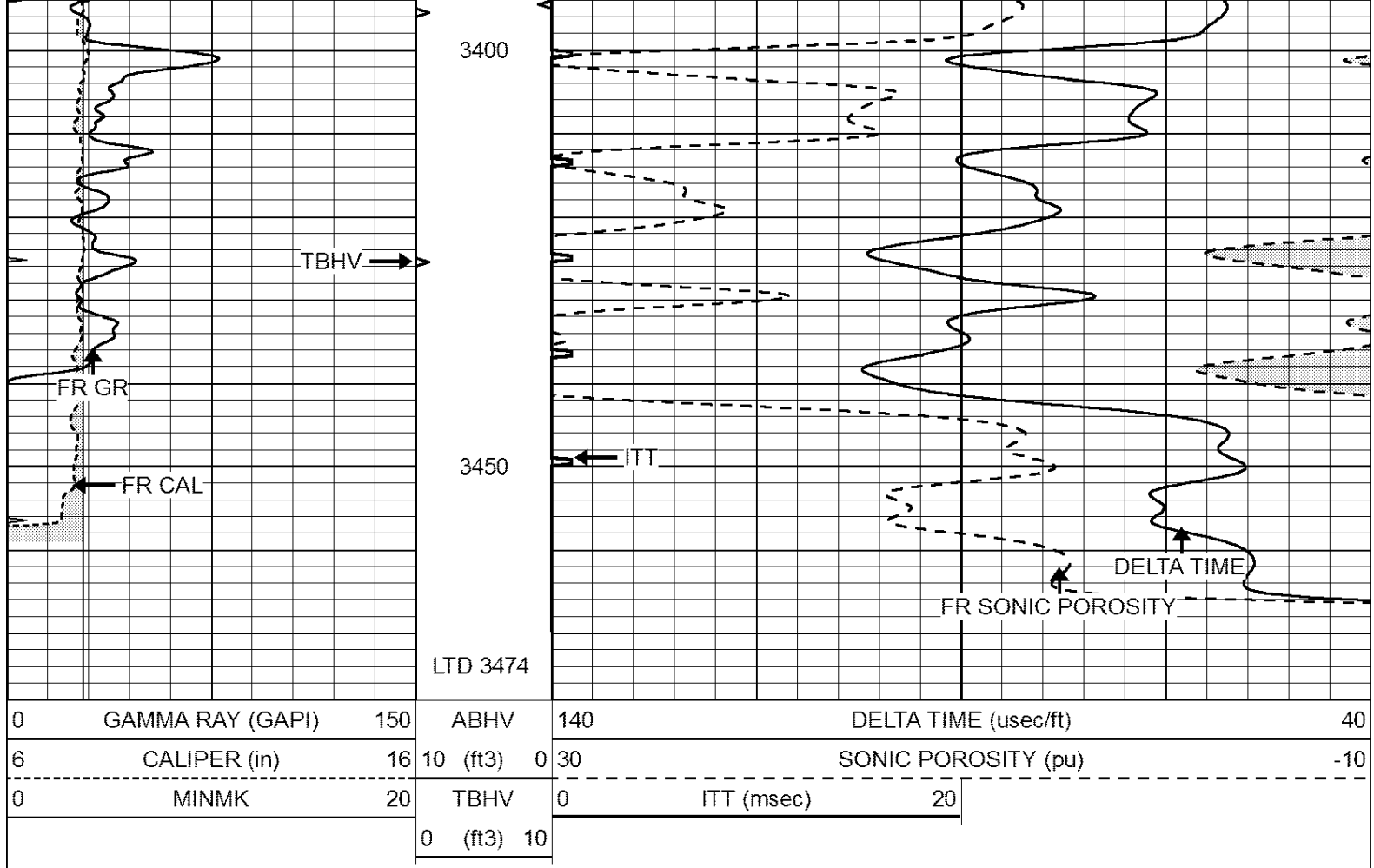
3050

3100

3150



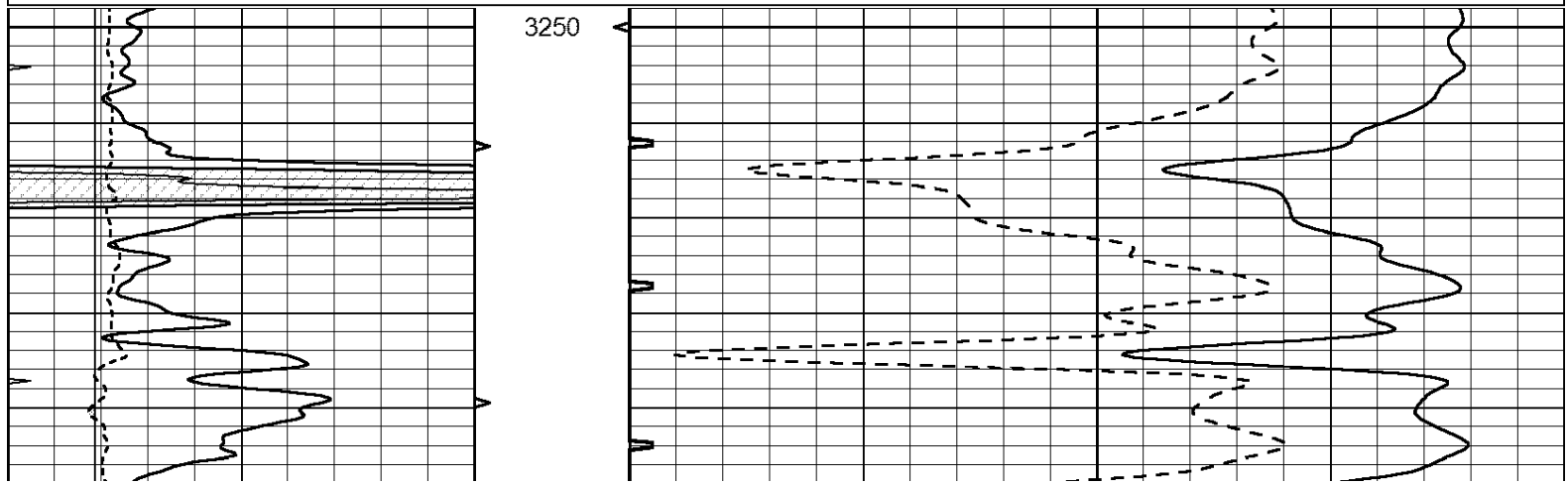
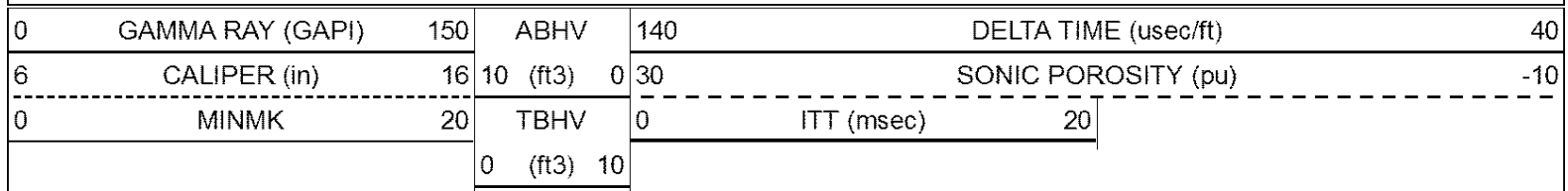


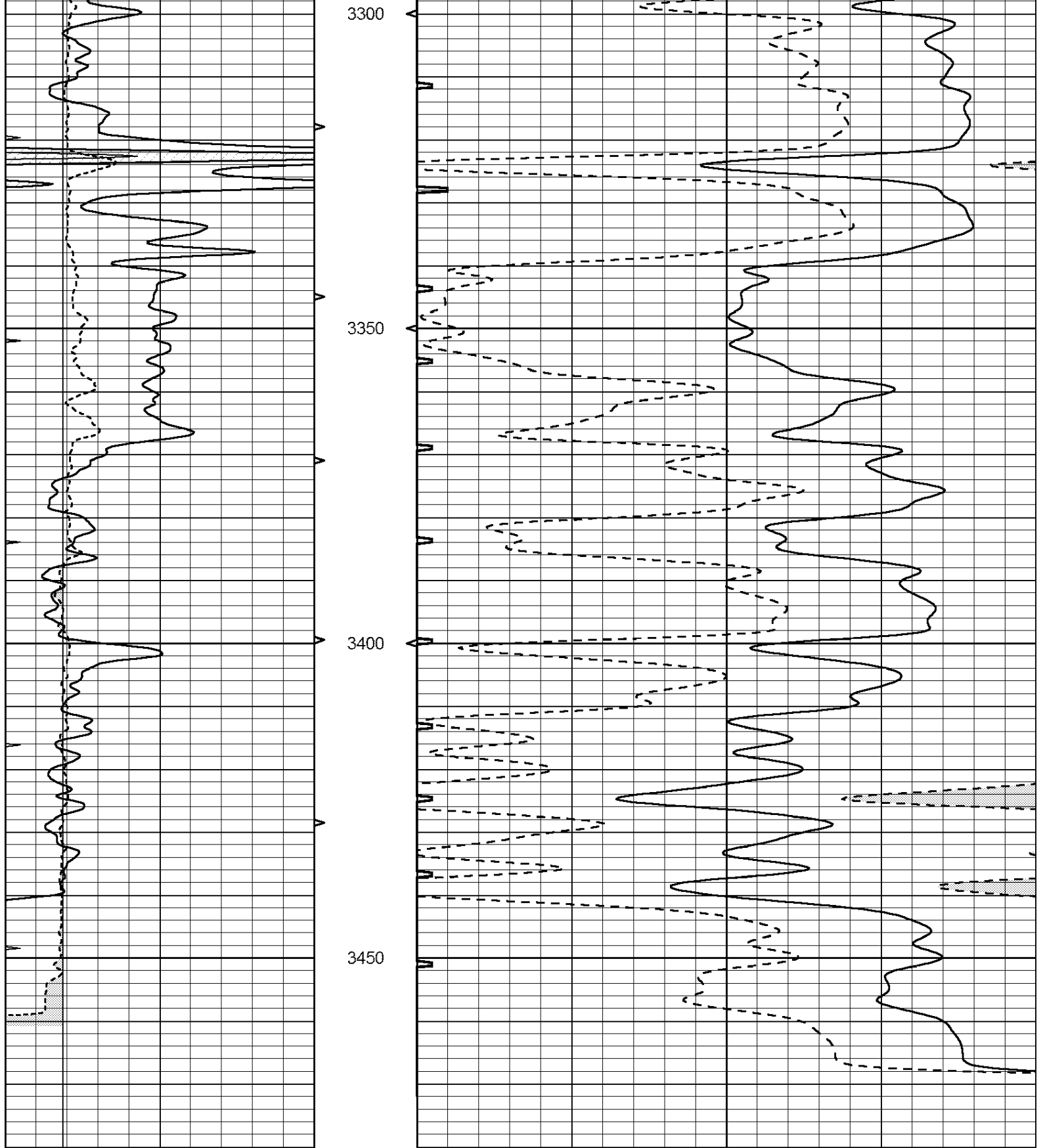


SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 409443ddn.db
 Dataset Pathname: pass5.3
 Presentation Format: slt
 Dataset Creation: Mon Jul 30 22:46:58 2012
 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			