



SUPERIOR
Hays,
Kansas

MICRO
LOG

Company	MAI OIL OPERATIONS, INC.		
Well	3 SISTERS #3		
Field	CLARA		
County	PRATT	State	KANSAS
Location:	APL # : 15-151-22383-0000		Other Services CDL/CNL/PE DIL/SONIC
Permanent Datum	GROUND LEVEL		Elevation 1964
Log Measured From	500' FSL & 845' FEL NE - SW - SE - SE		
Drilling Measured From	SEC 35 TWP 29S RGE 14W KELLY BUSHING		Elevation K.B. 1976 D.F. 1974 G.L. 1964
Date	12/19/11		
Run Number	TWO		
Depth Driller	4625		
Depth Logger	4626		
Bottom Logged Interval	4604		
Top Log Interval	2000		
Casing Driller	13 3/8" @ 285'		
Casing Logger	283		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 9,000 PPM	
Density / Viscosity	9.1/94		
pH / Fluid Loss	9.5/14.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.420 @ 80F		
Rmt @ Meas. Temp	.315 @ 80F		
Rmc @ Meas. Temp	.504 @ 80F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.275 @ 122F		
Time Circulation Stopped	5.5 HOURS		
Time Logger on Bottom	8:30 A.M.		
Maximum Recorded Temperature	122F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KURT TALBOTT	ALLEN BANGERT	

<<< 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
COATS, KS., 1E., 3S., W. INTO

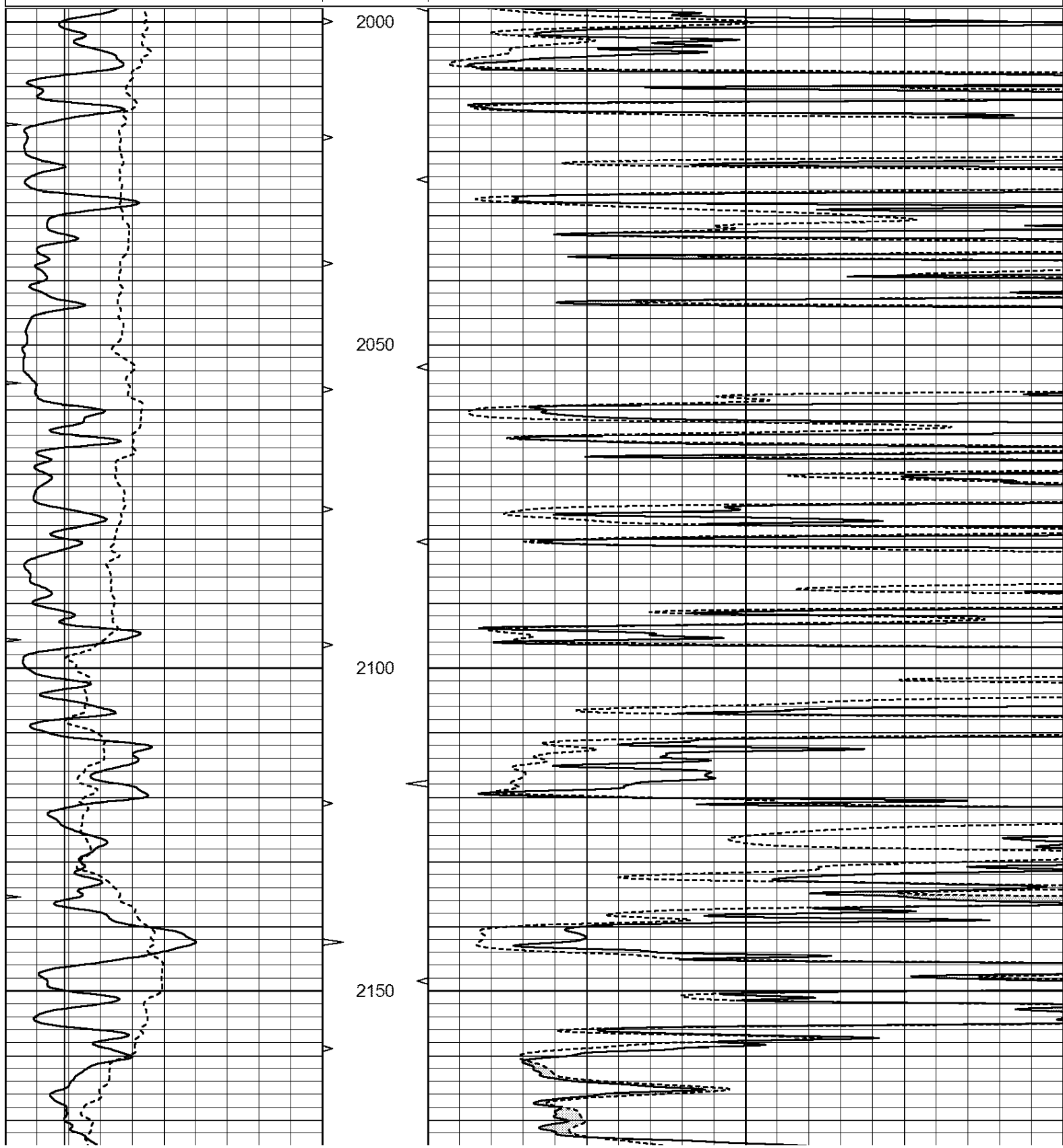


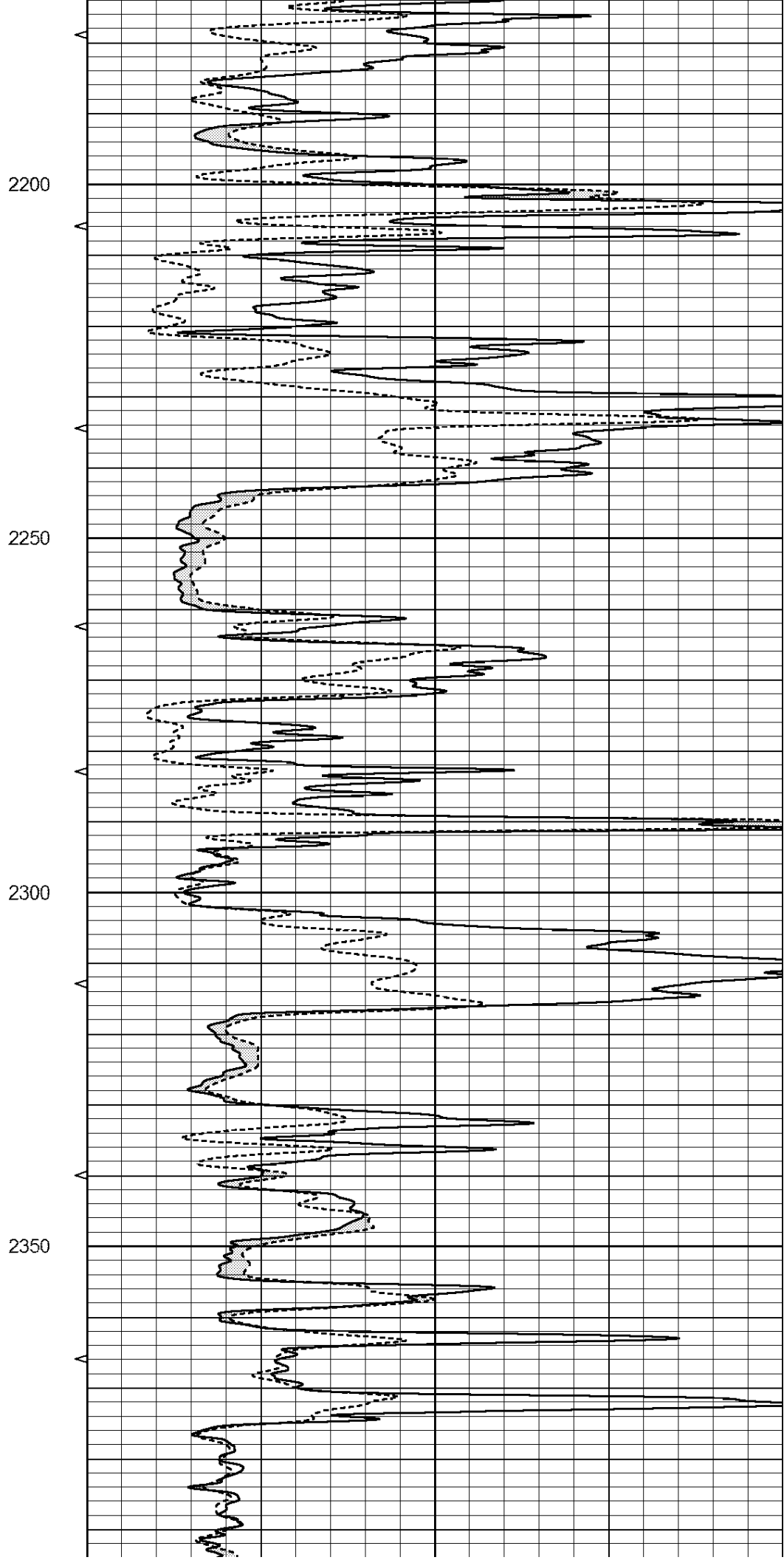
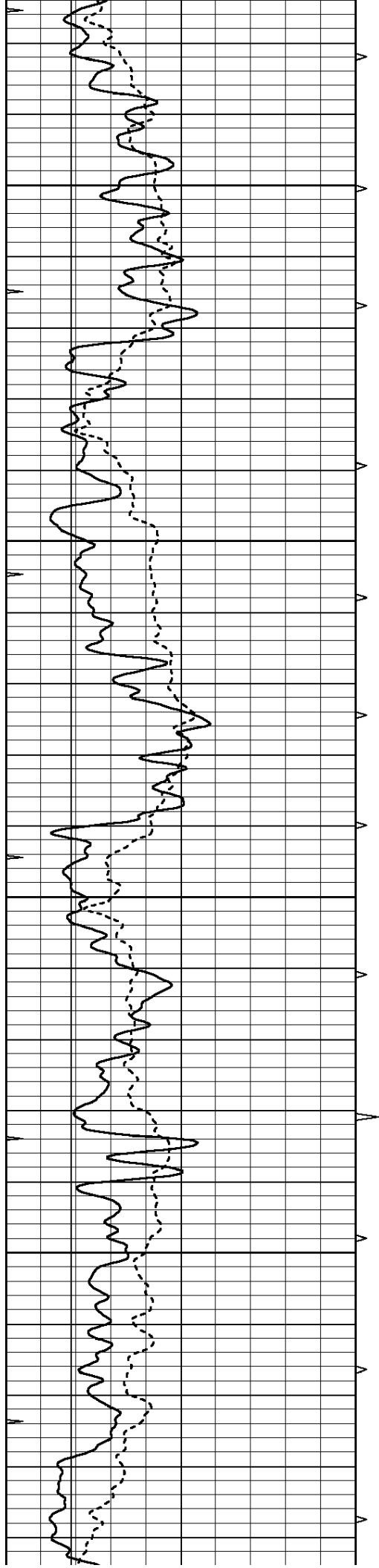
SUPERIOR
Hays,
Kansas

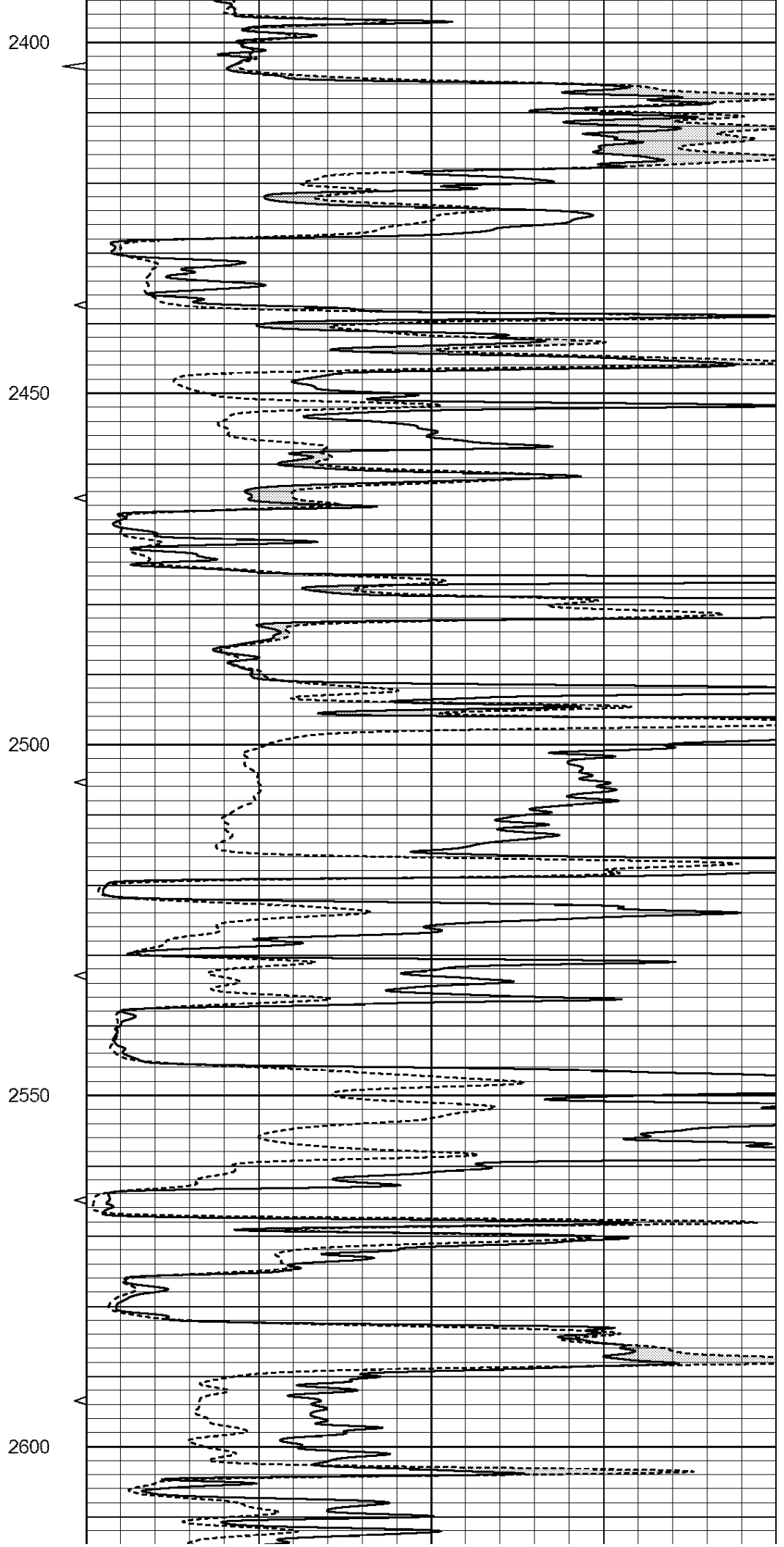
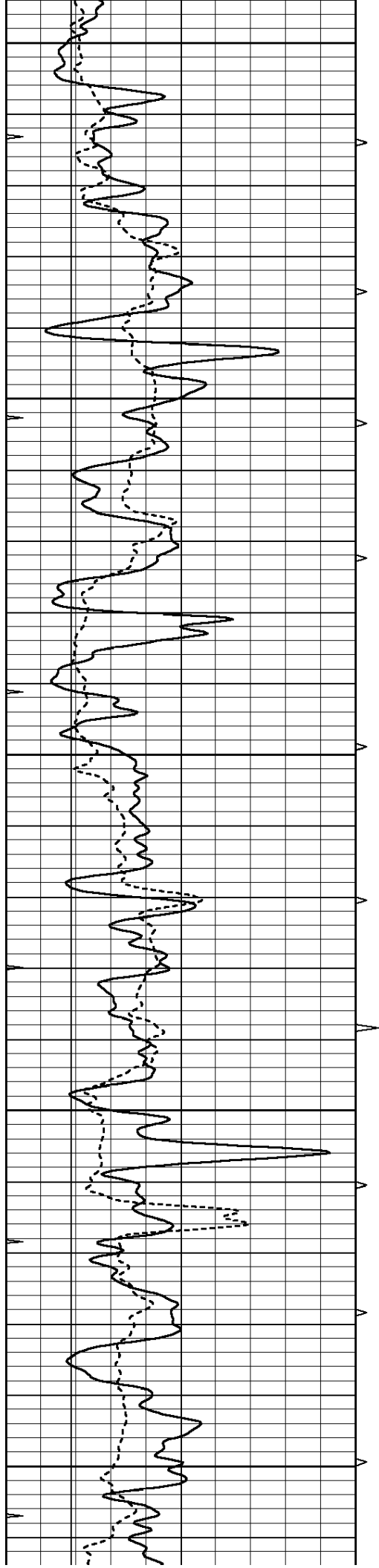
MAIN SECTION

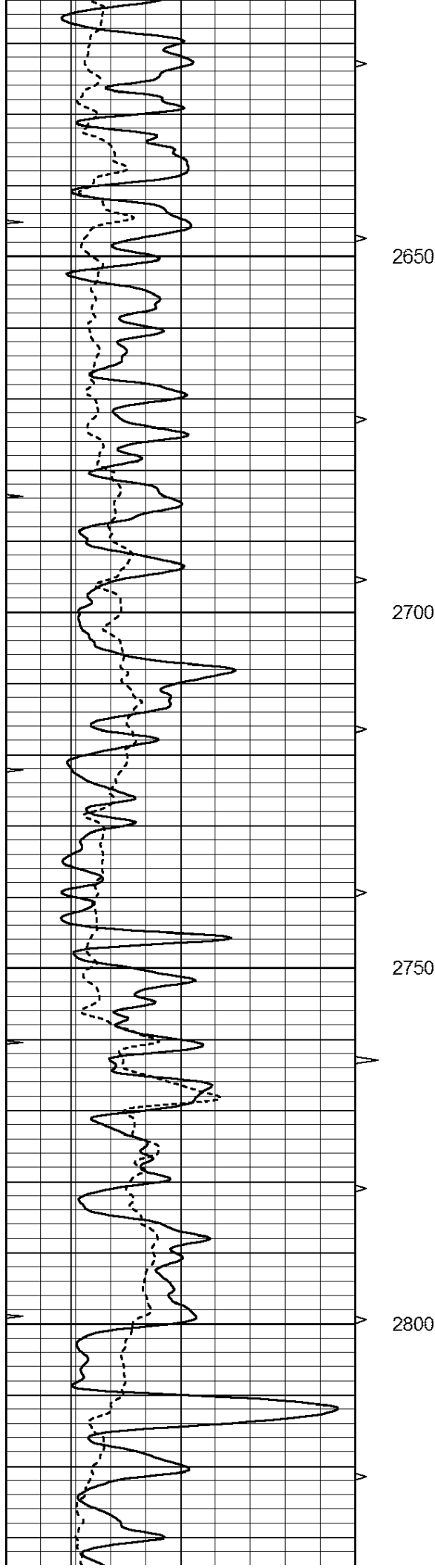
Database File: 008126pe.db
 Dataset Pathname: pass6.9
 Presentation Format: micro
 Dataset Creation: Mon Dec 19 14:03:07 2011
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	20
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	20
0	MINMK	20	TBHV			
			0 (ft3)	10		







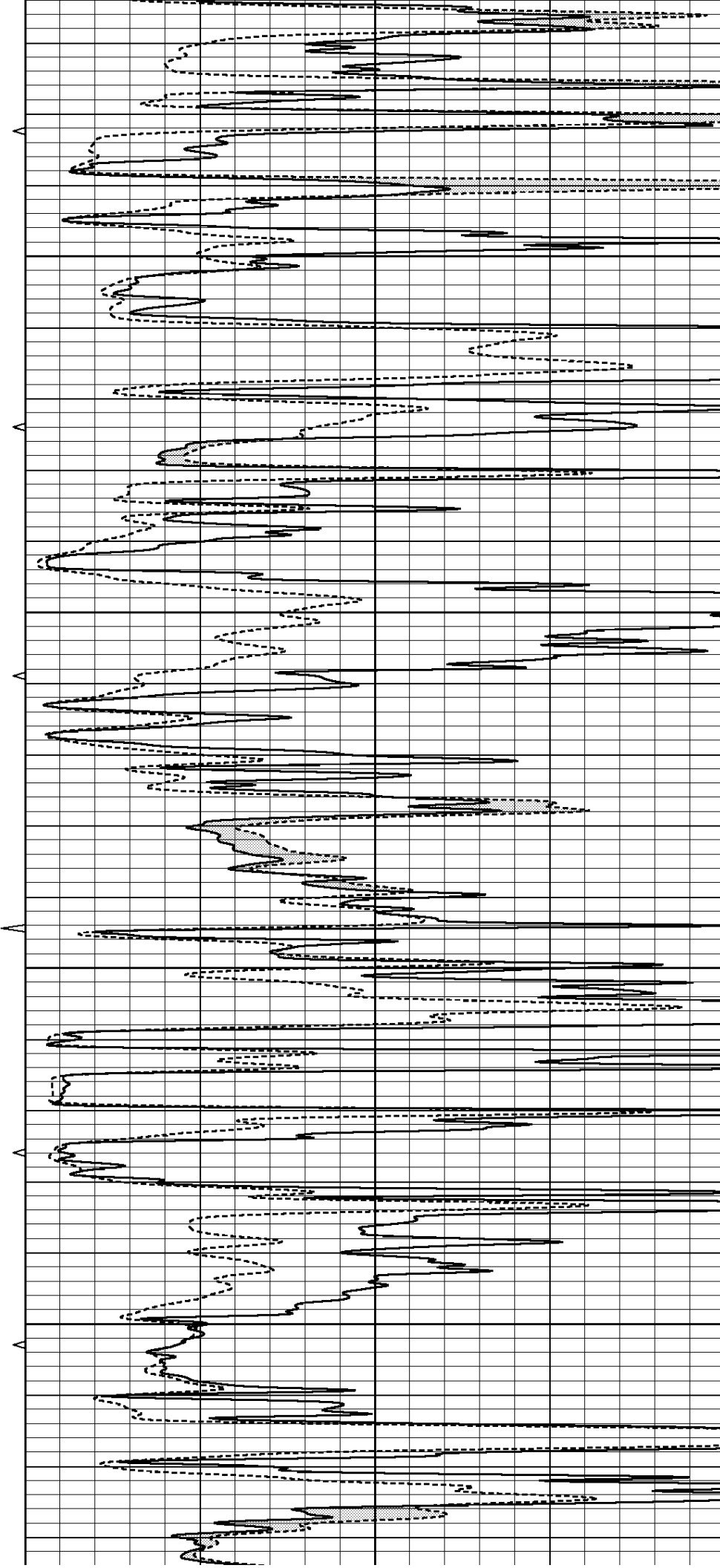


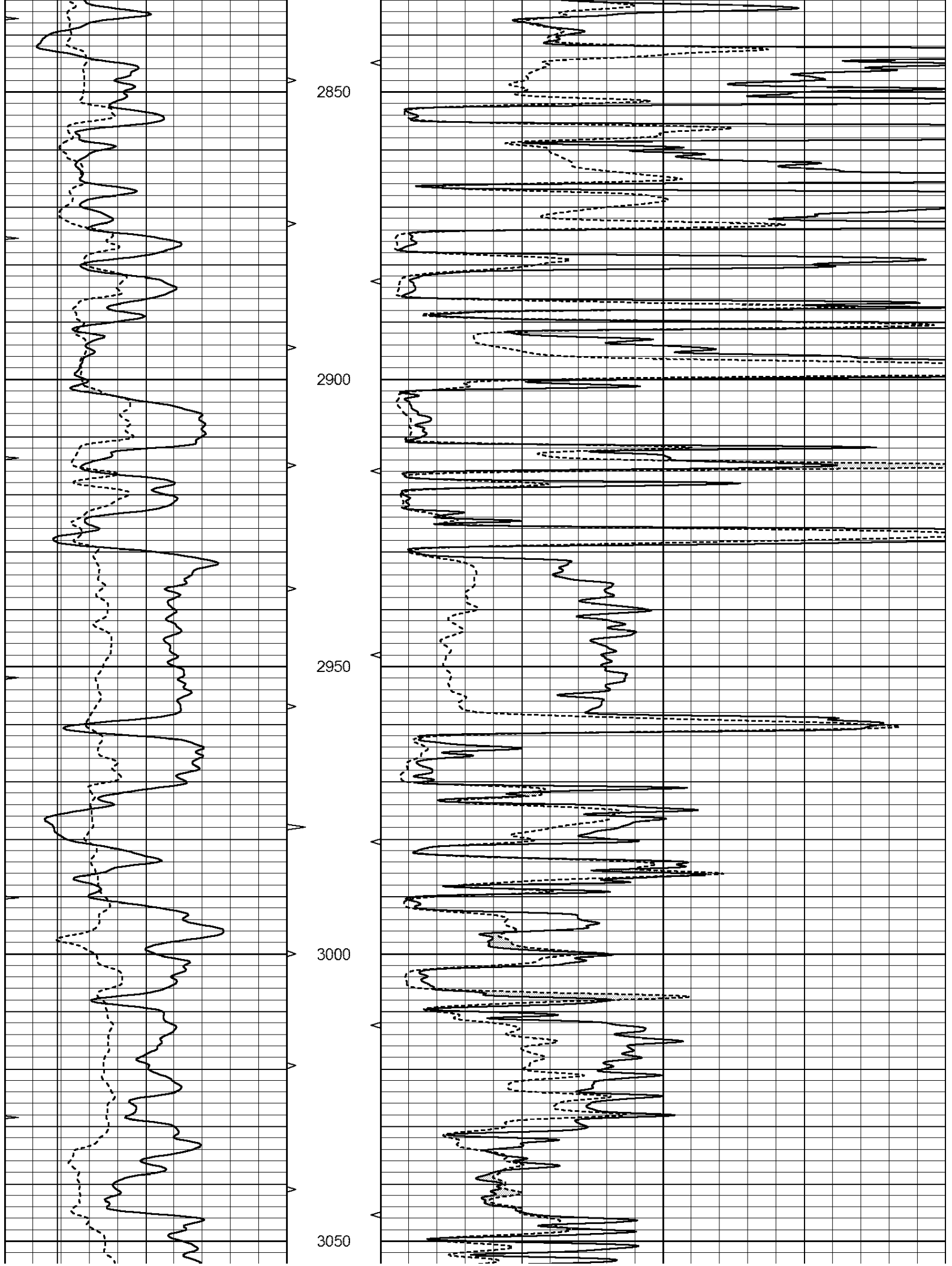
2650

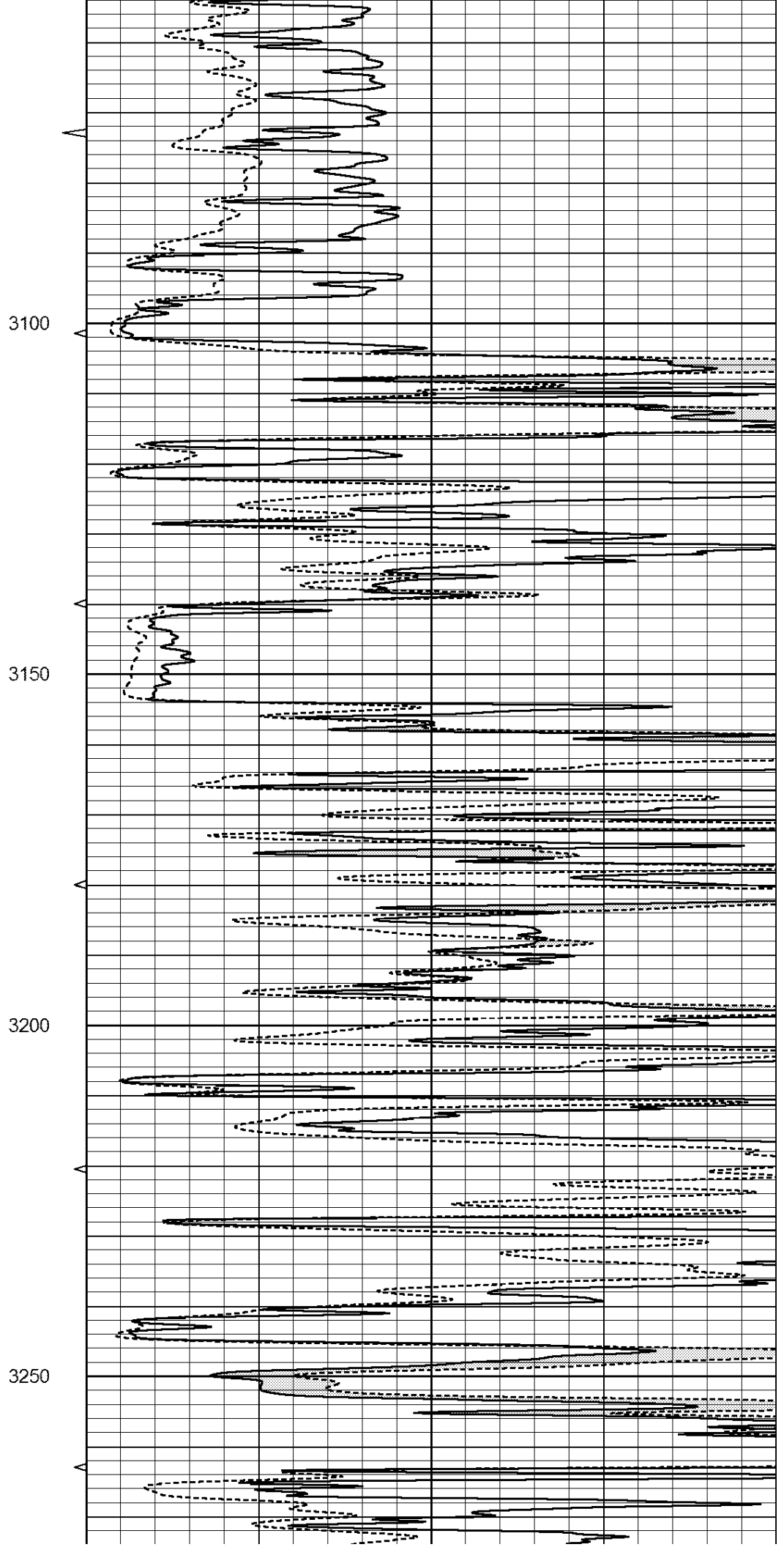
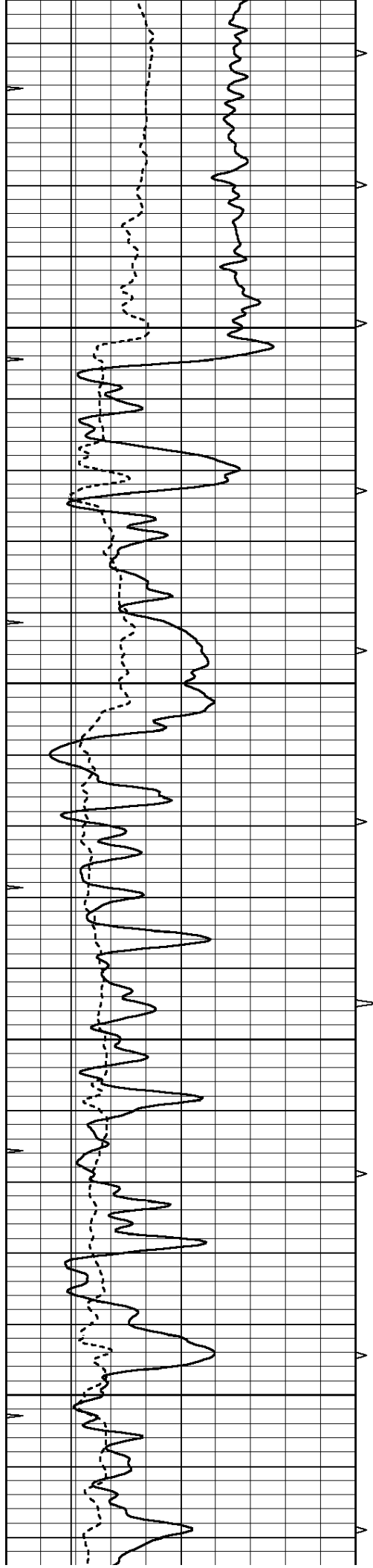
2700

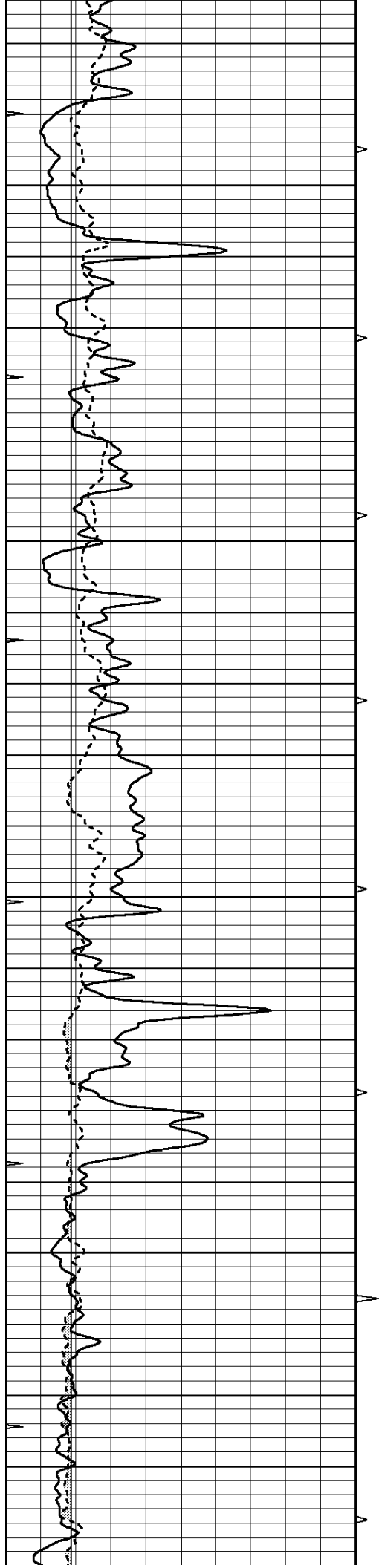
2750

2800







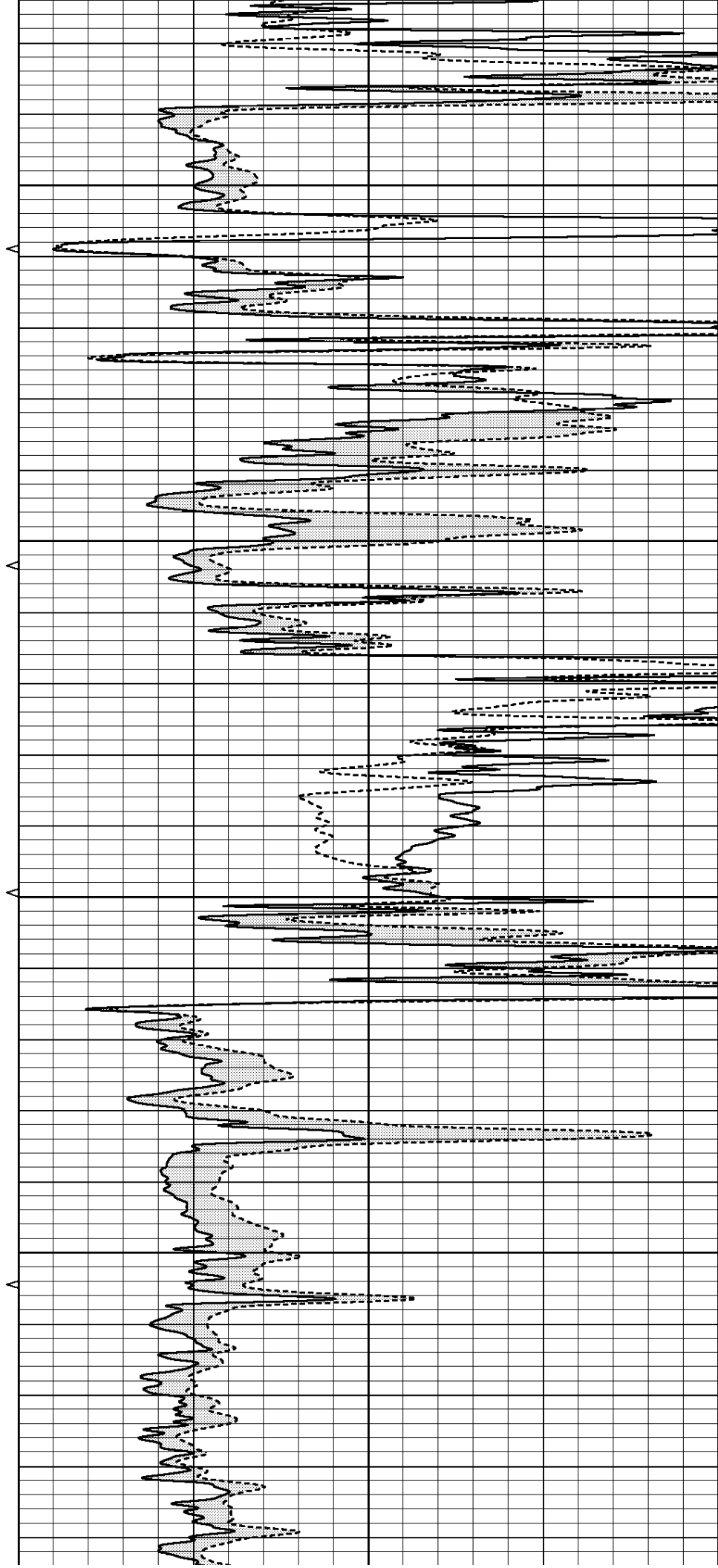


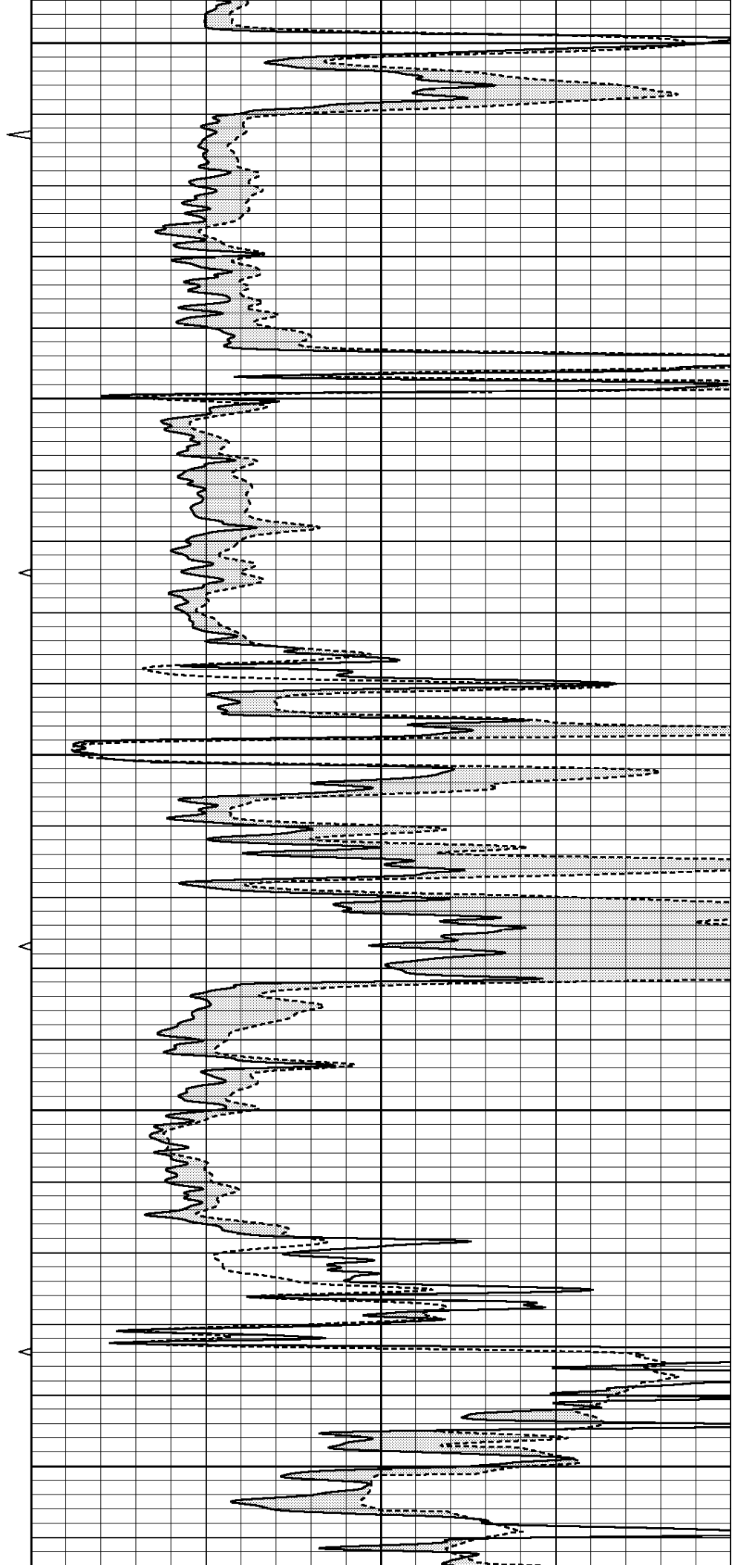
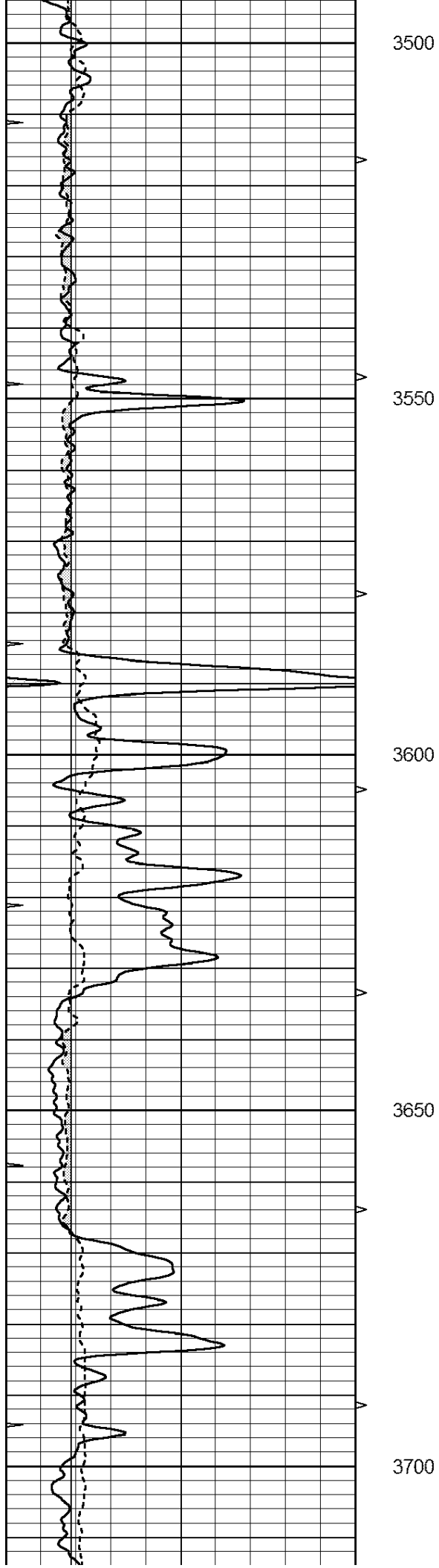
3300

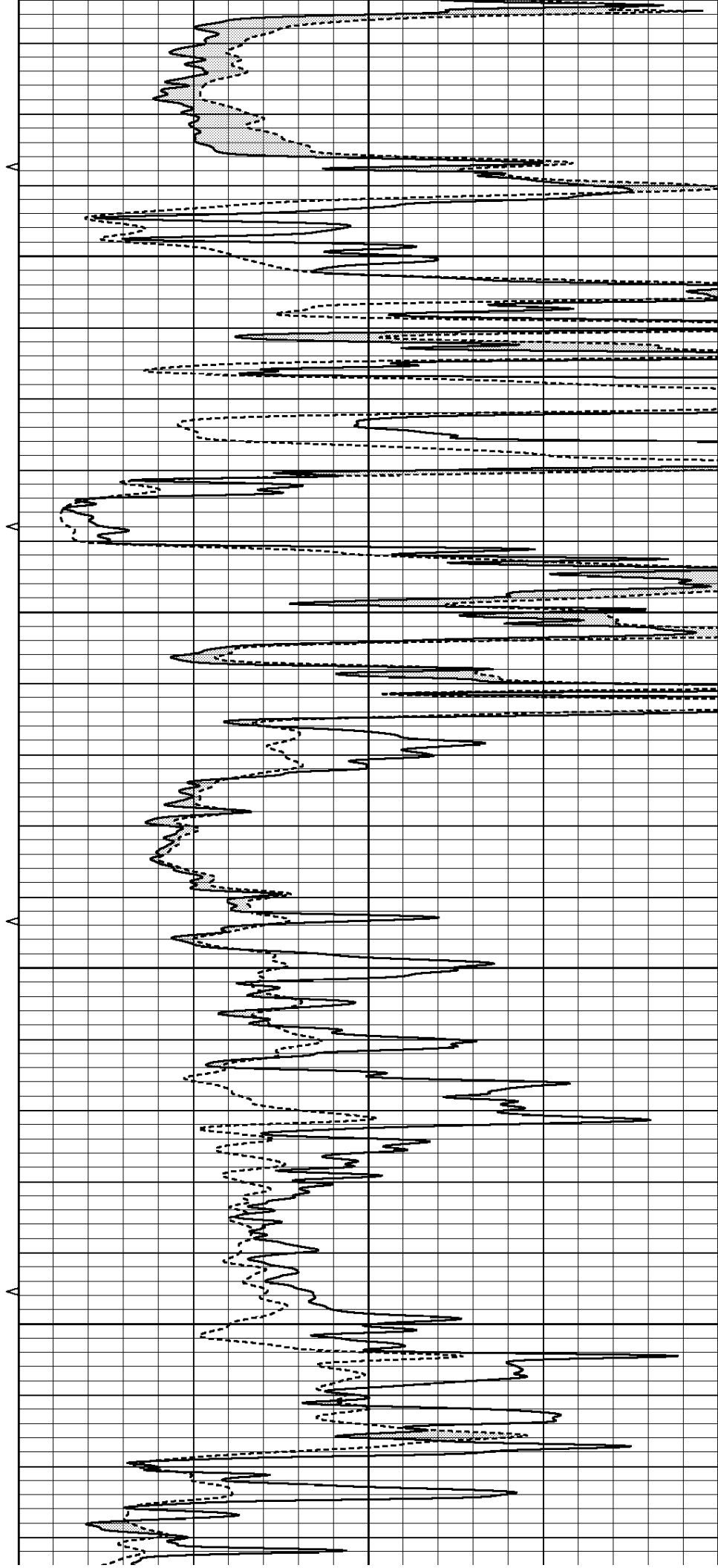
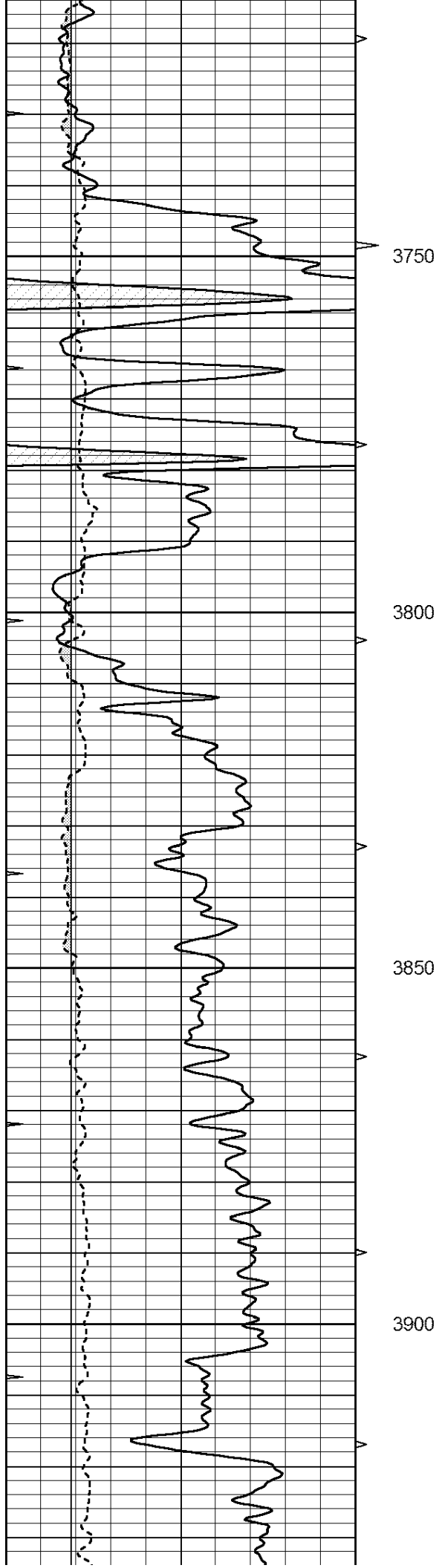
3350

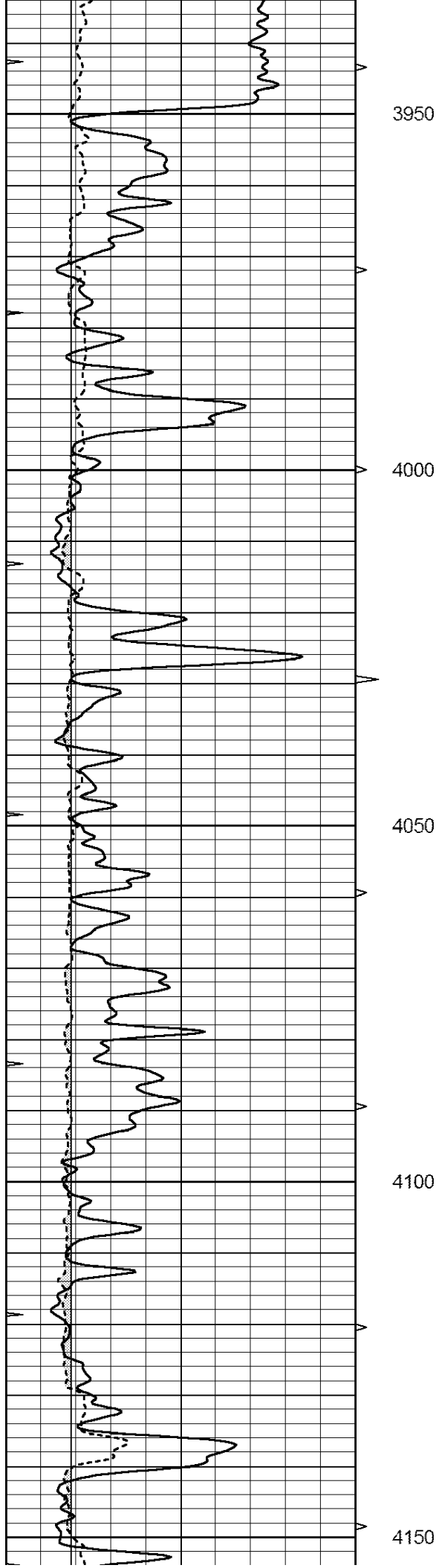
3400

3450









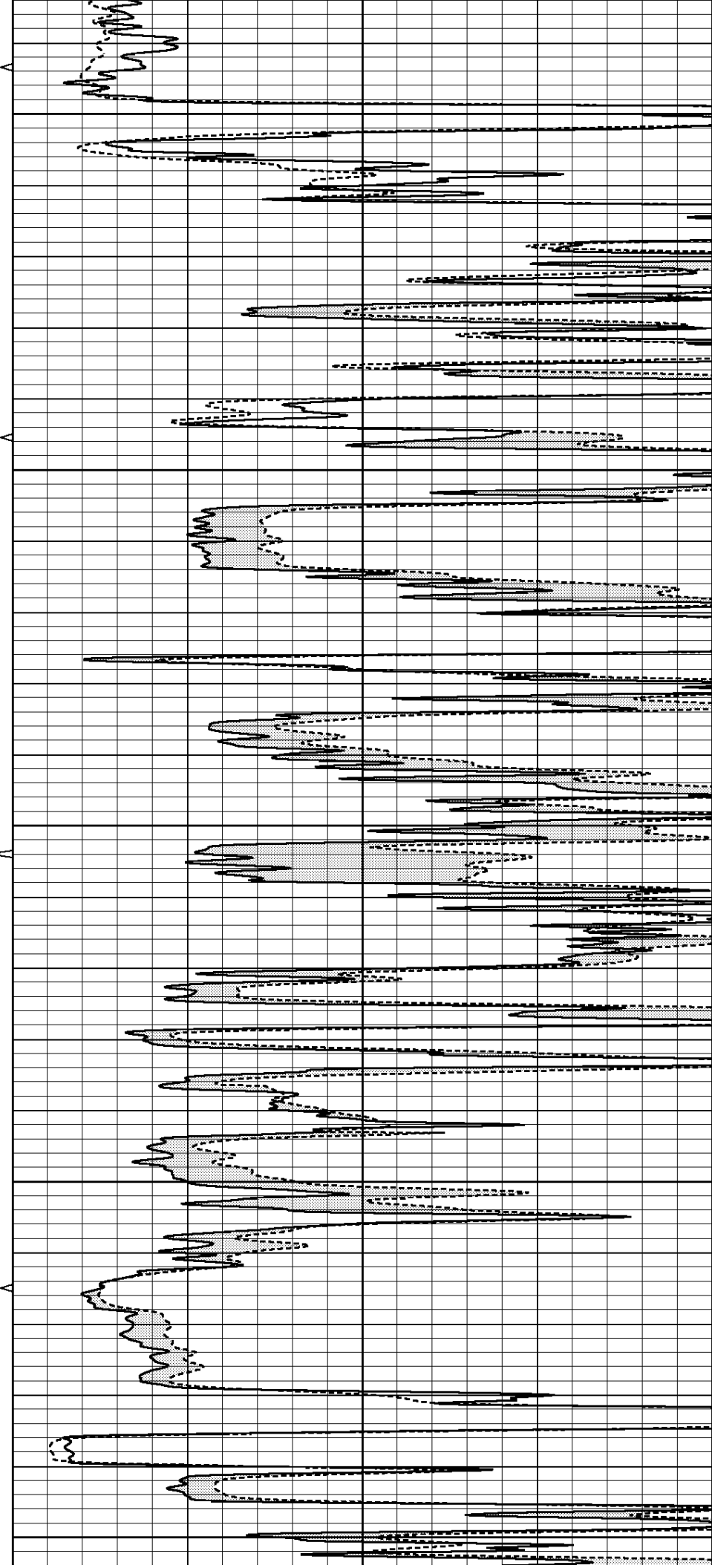
3950

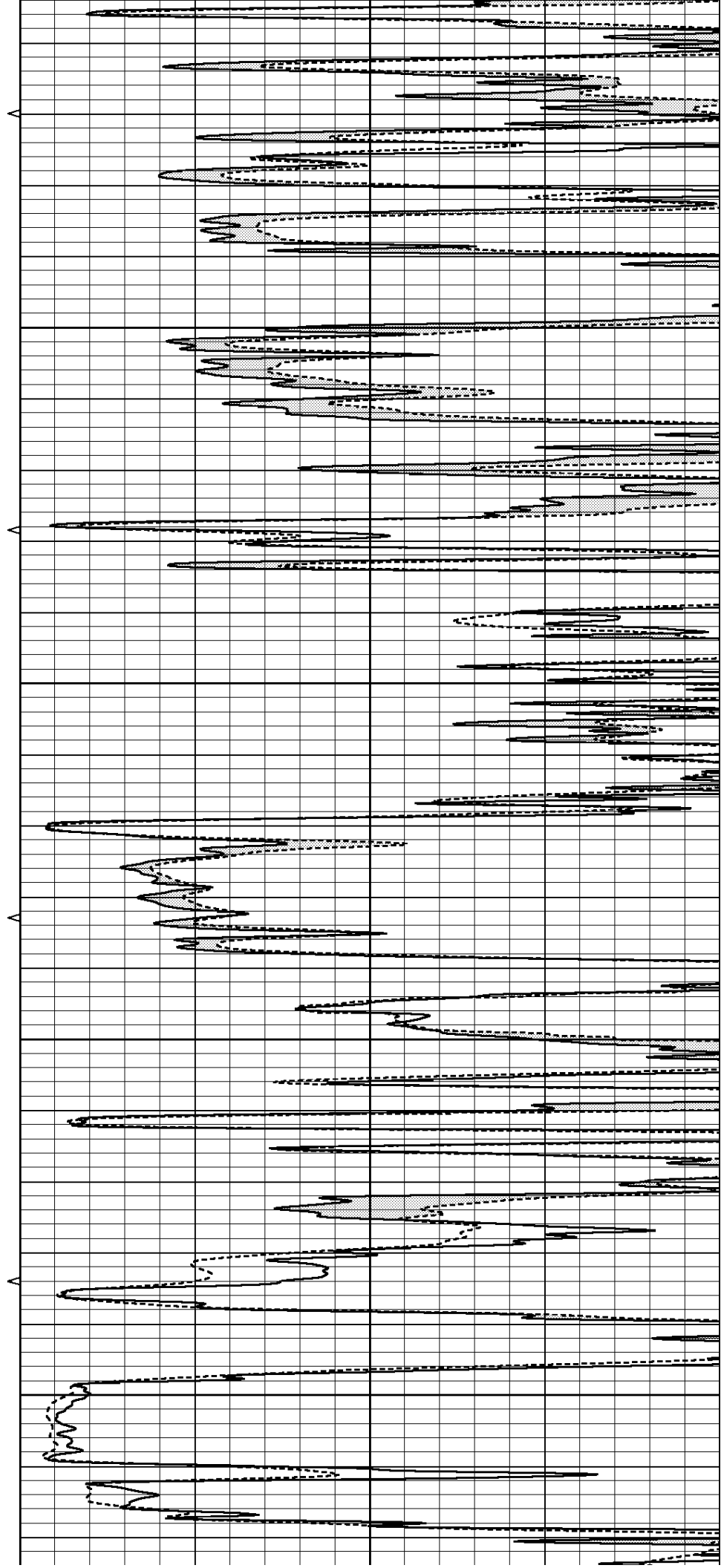
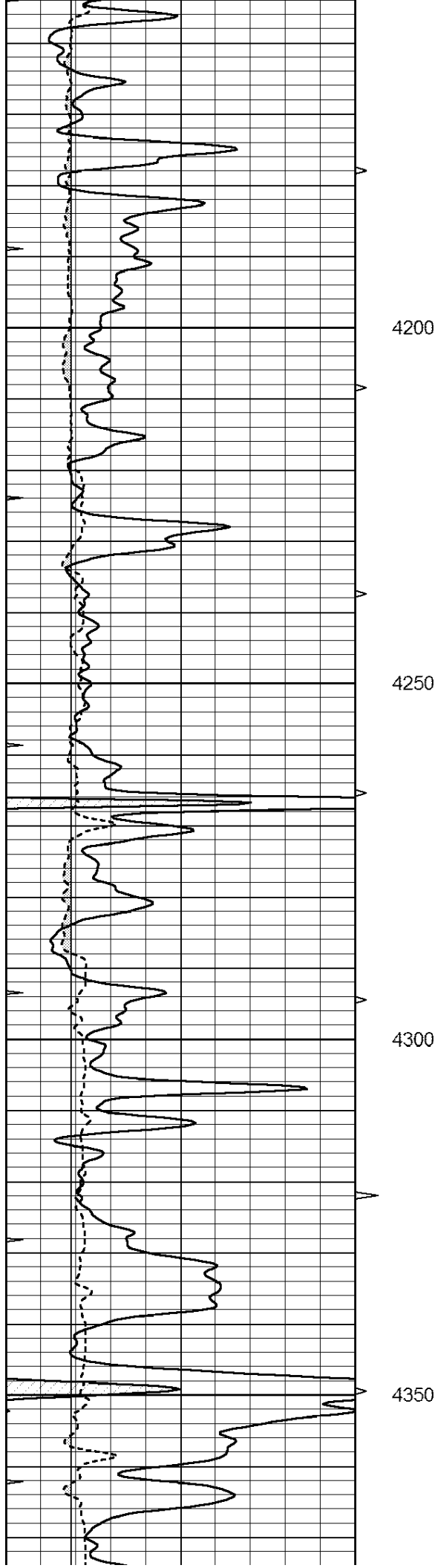
4000

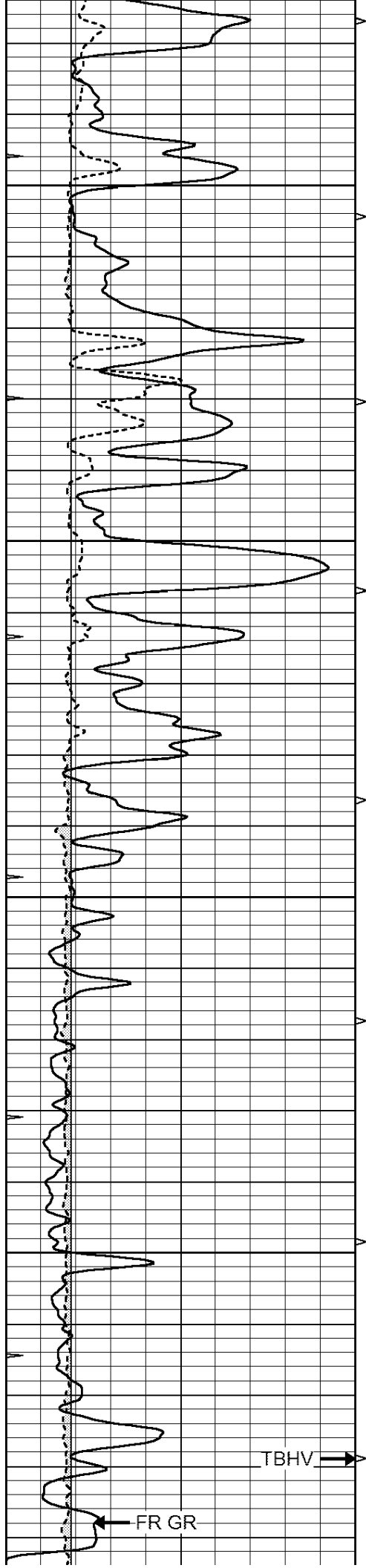
4050

4100

4150







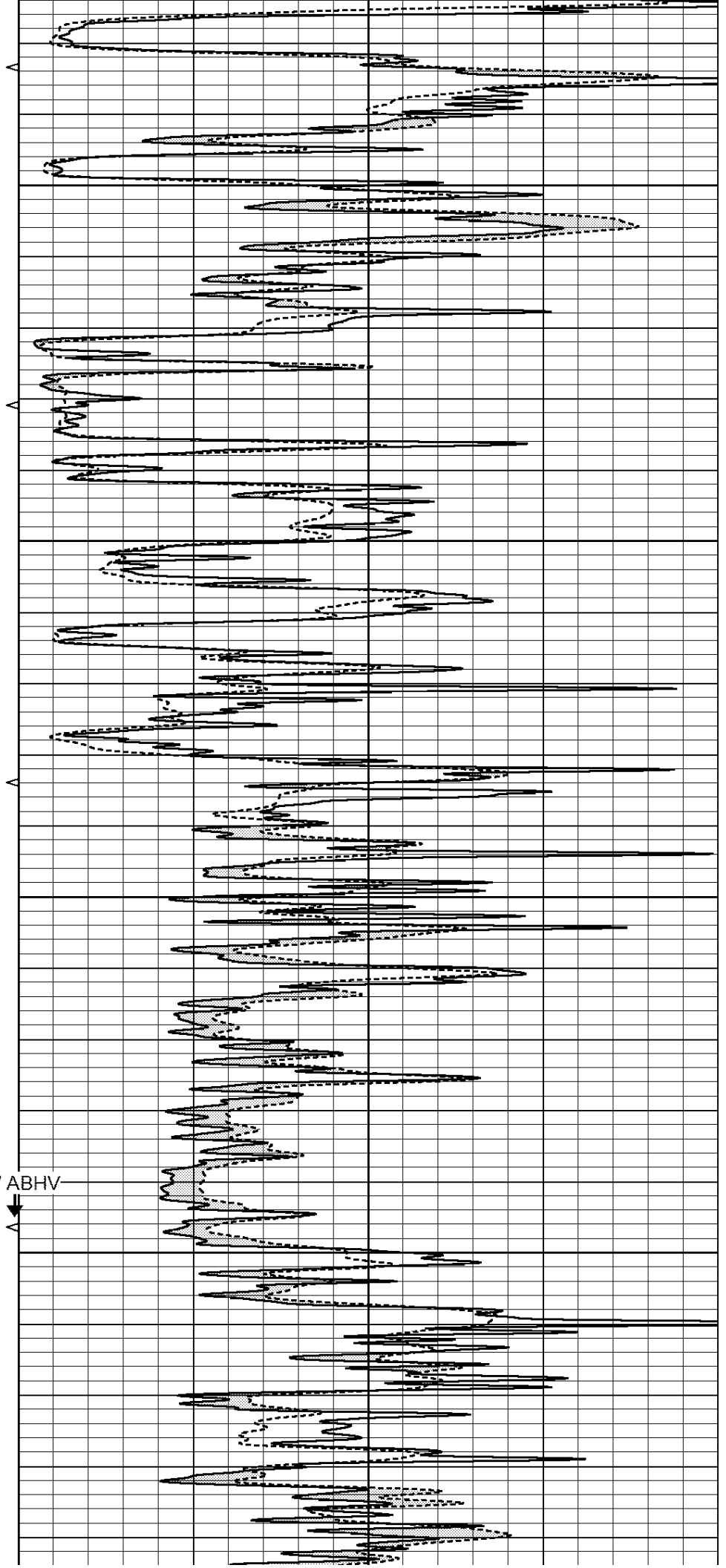
4400

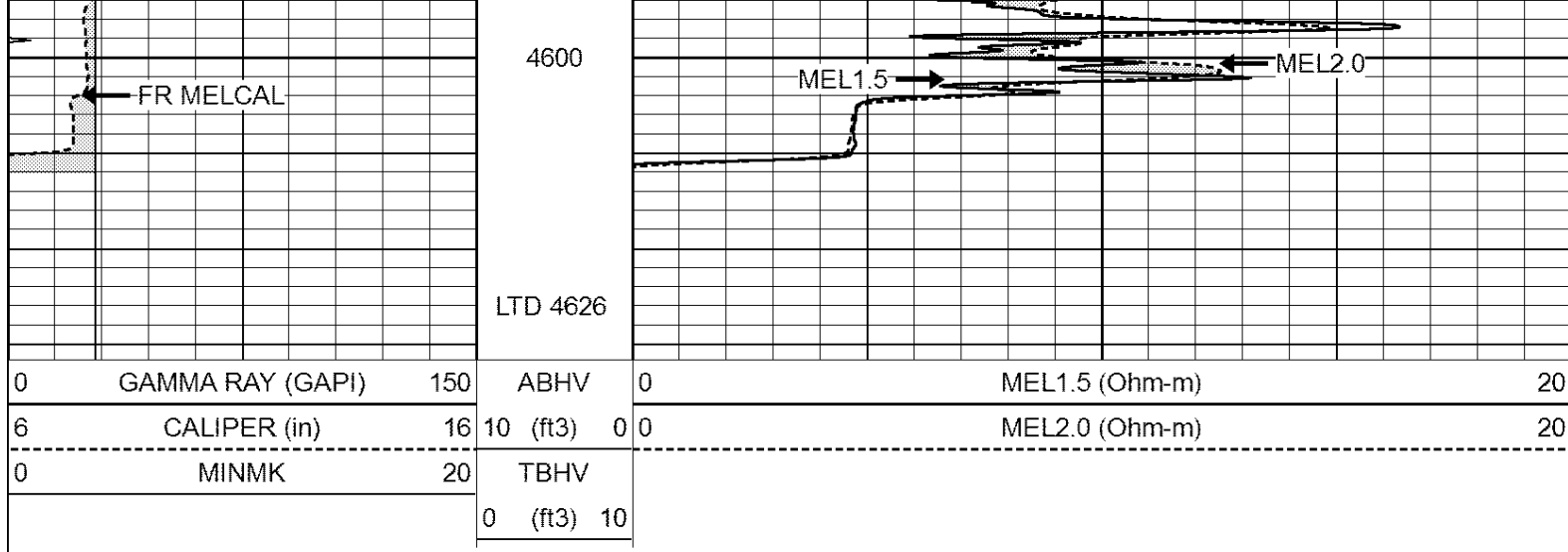
4450

4500

4550

5.5" ABHV



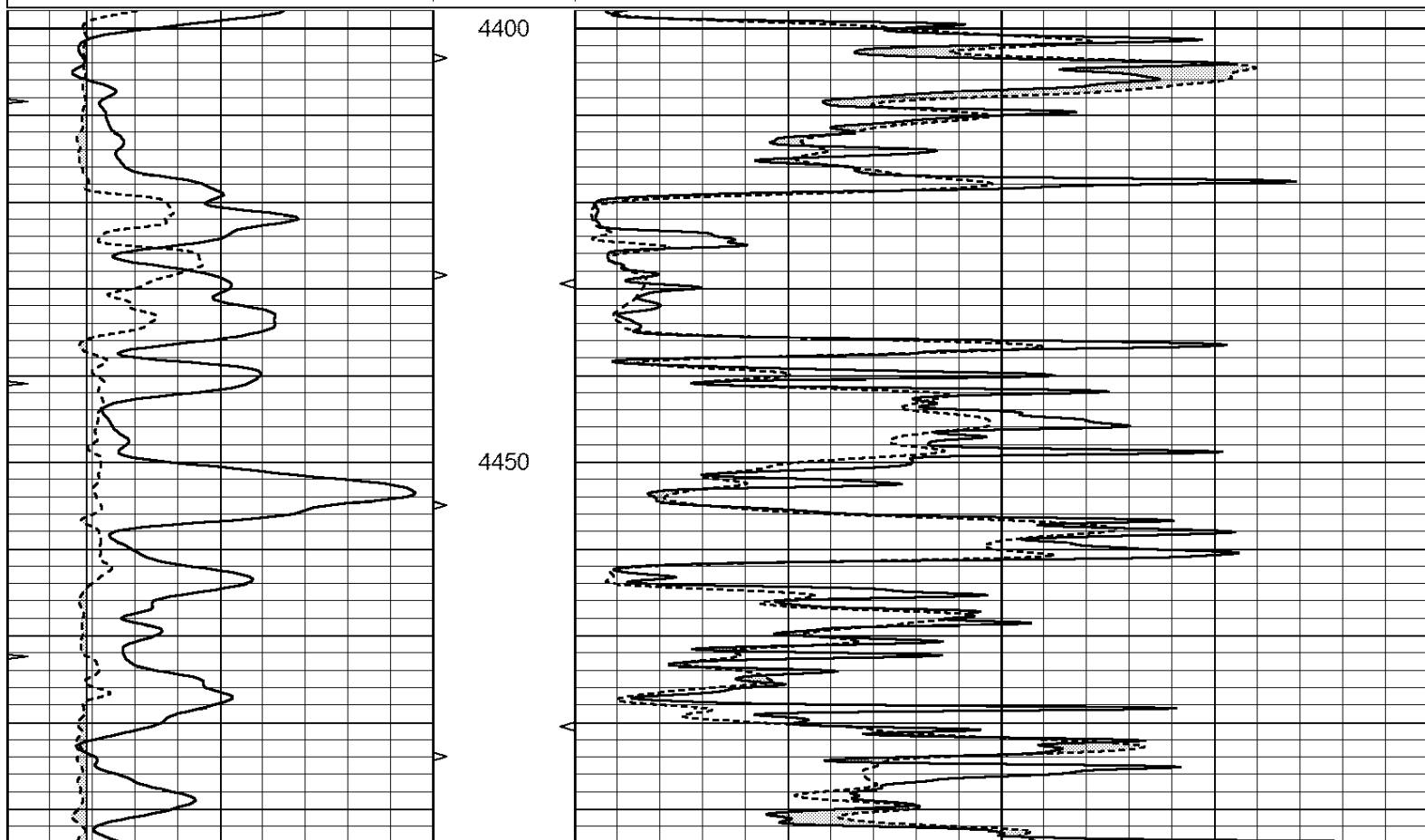


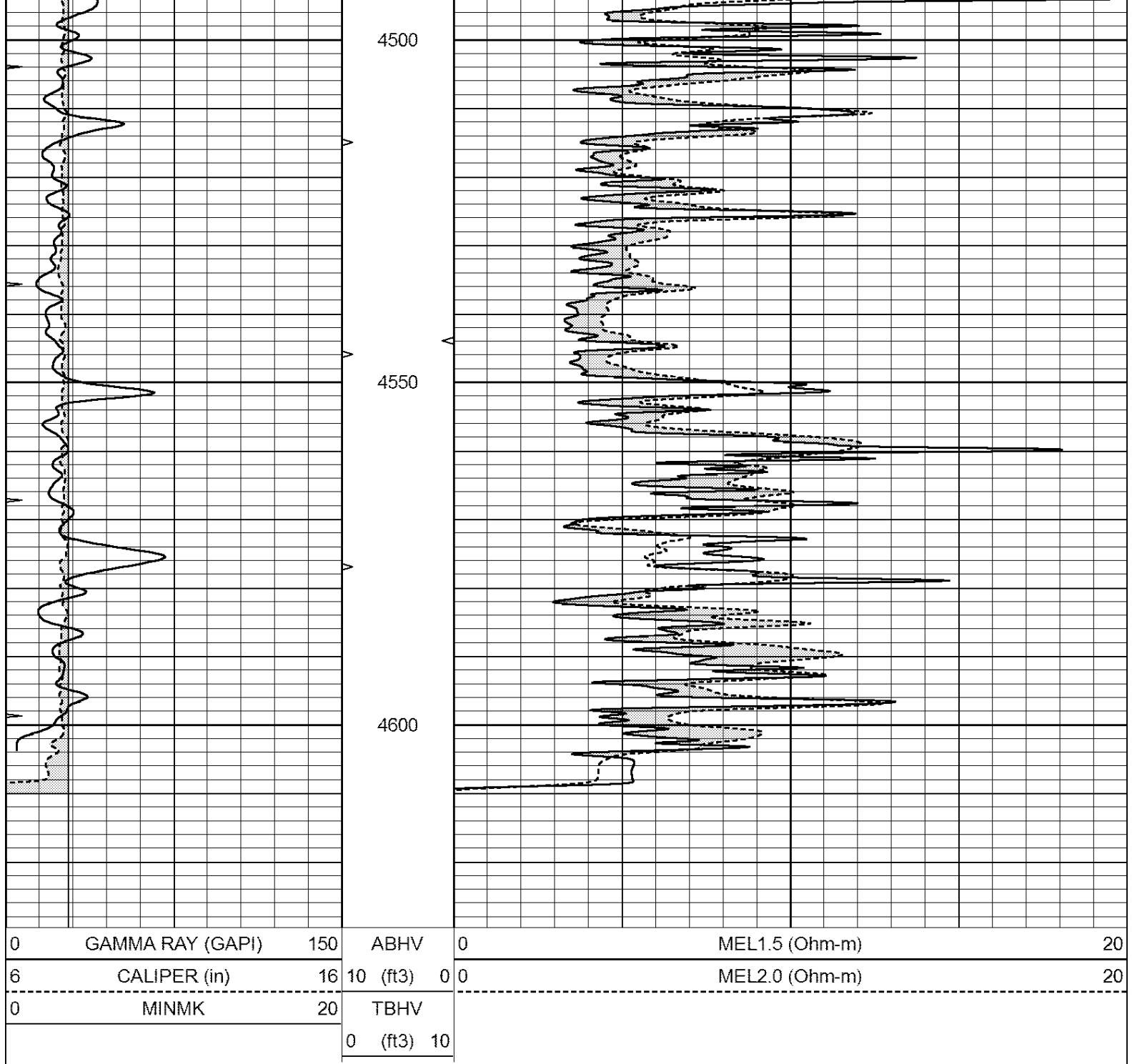
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 008126pe.db
 Dataset Pathname: pass5.9
 Presentation Format: micro
 Dataset Creation: Mon Dec 19 14:10:12 2011 by Calc Open-Cased 110302
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	20
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	20
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 008126pe.db
 Dataset Pathname: pass6.9
 Dataset Creation: Mon Dec 19 14:03:07 2011

MICRO Calibration Report

Serial Number: MICRO5
 Tool Model: PROBE
 Performed: Mon Dec 19 12:06:48 2011

Caliper Calibration: Gain=3.220 Offset=-2.957

References	Low Cal	High Cal
Readings	7.700	14.000
	3.309	5.265

1.5" Calibration: Gain=40.000 Offset=-0.400

References	Low Cal	High Cal
Readings	0.000	20.000
	0.009	0.990
2" Calibration:	Gain=38.000	Offset=-0.600
References	Low Cal	High Cal
Readings	0.000	20.000
	0.000	0.929
Gamma Ray Calibration Report		
Serial Number:	GR4	
Tool Model:	OPEN	
Performed:	Mon Dec 19 12:06:41 2011	
Calibrator Value:	200.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	189.0	cps
Sensitivity:	1.4000	GAPI/cps