



**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company	DOWNING NELSON OIL COMPANY		
Well	KRAMER UNIT #2-24		
Field	WILDCAT		
County	CHEYENNE	State	KANSAS
Location:	API # : 15-023-21404-00-00		Other Services CNL/CDL DIL/MEL
SEC 24 TWP 5S RGE 37W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	K.B. 3324
Log Measured From	KELLY BUSHING 13' A.G.L.		D.F. 3322
Drilling Measured From	KELLY BUSHING		G.L. 3311
Date	7/30/14		
Run Number	TWO		
Depth Driller	4950		
Depth Logger	4954		
Bottom Logged Interval	4944		
Top Log Interval	3500		
Casing Driller	8 5/8 @ 476'		
Casing Logger	476'		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.6/58	CHLORIDES 500 PPM	
pH / Fluid Loss	11.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.40 @ 95F		
Rmf @ Meas. Temp	1.05 @ 95F		
Rmc @ Meas. Temp	1.68 @ 95F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	1.06 @ 125F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	125F		
Equipment Number	3802		
Location	HAYS, KS.		
Recorded By	IAN MABB		
Witnessed By	RON NELSON		

<<< 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.

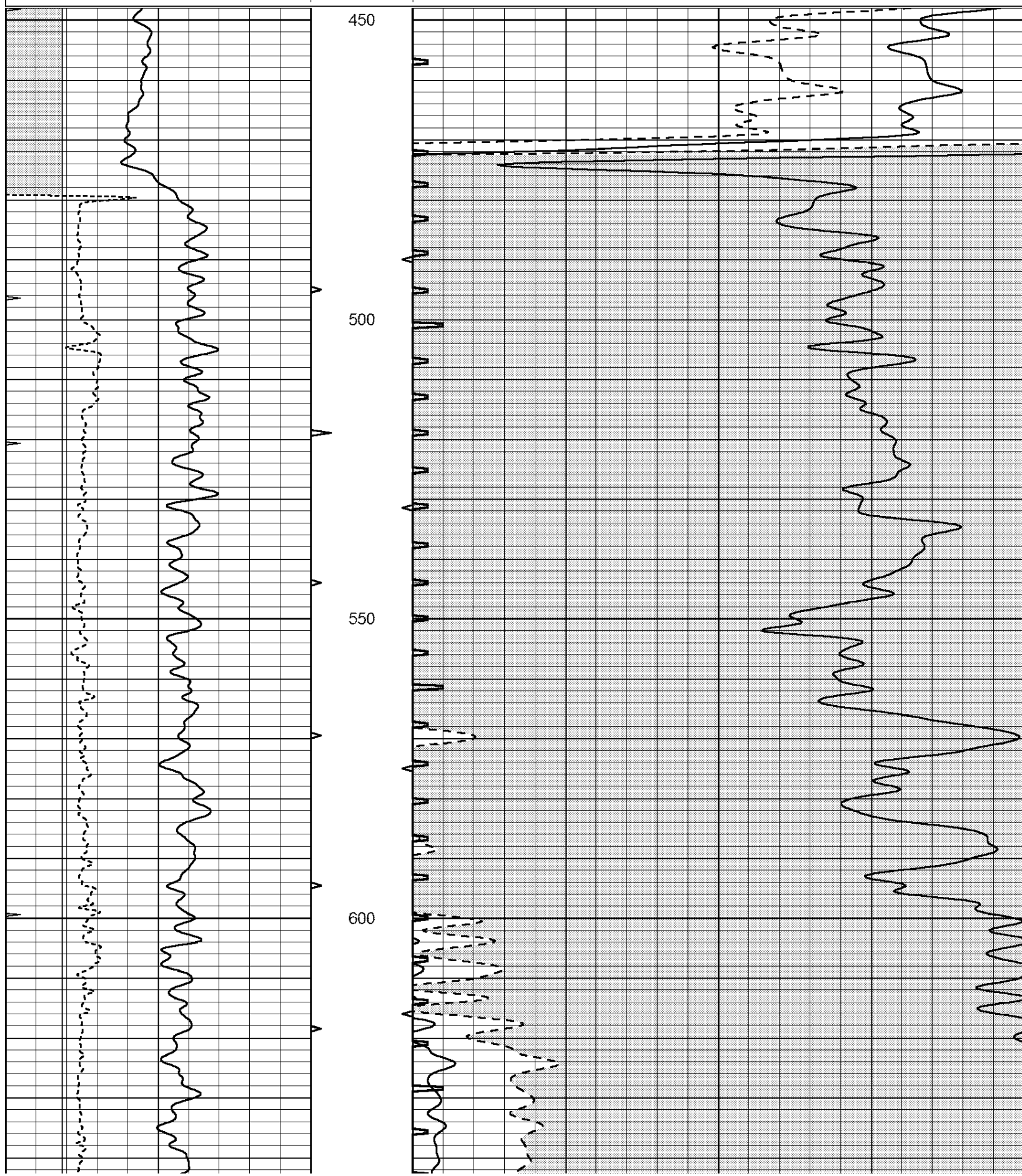
Comments

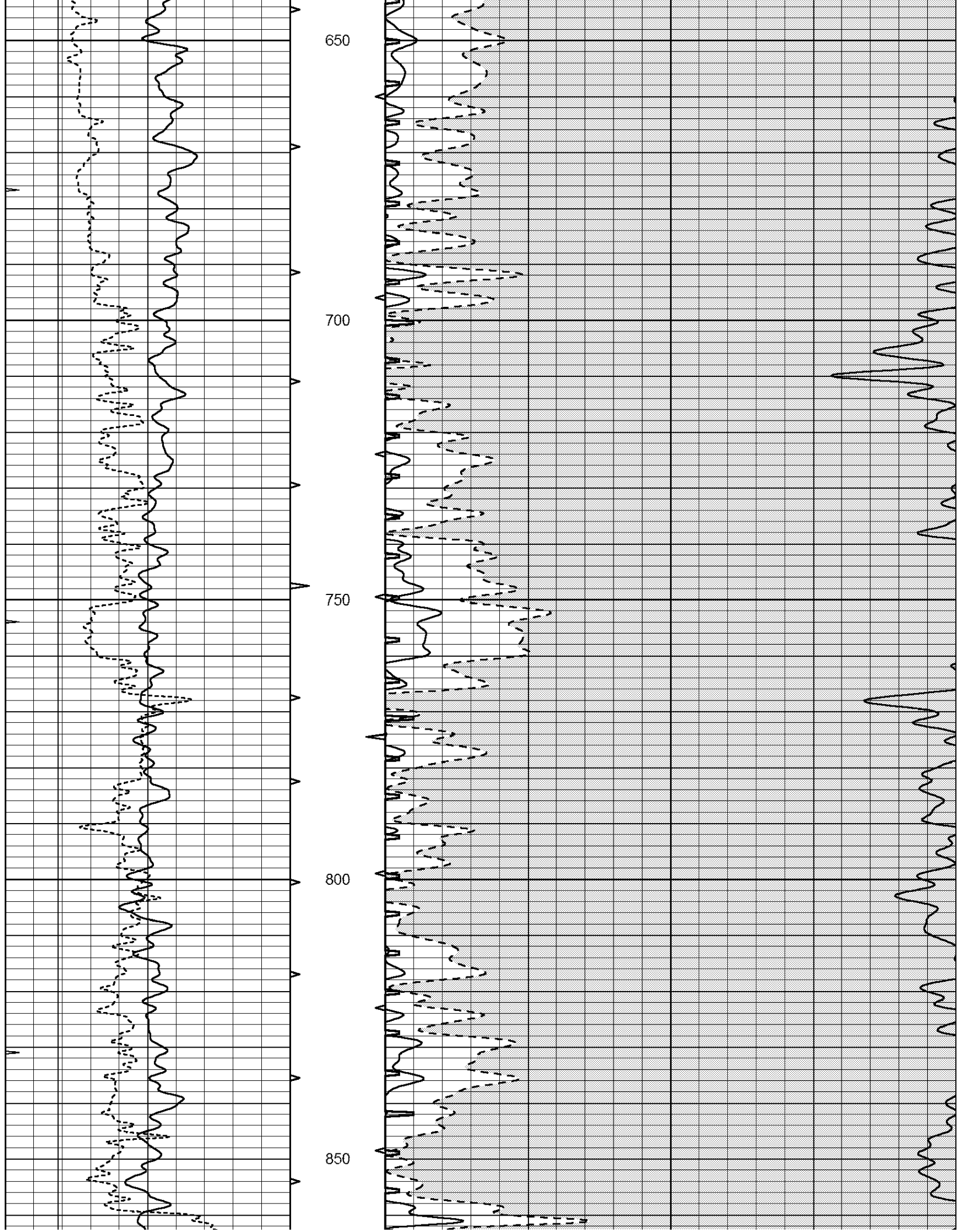
NABORS COMPLETION & PRODUCTION SERVICES CO.
785 (628 - 6395)

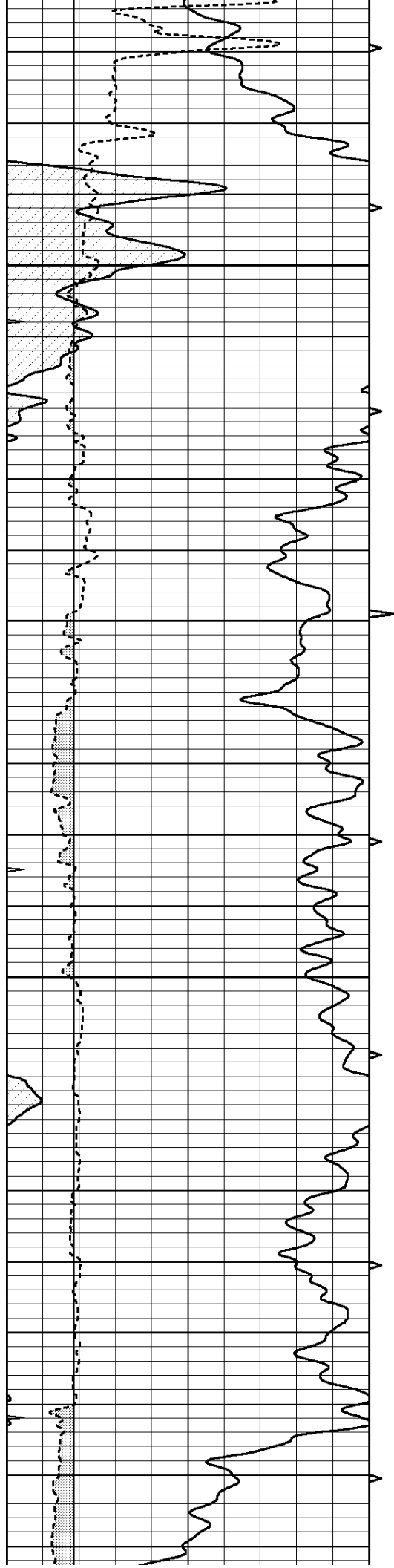
THANK YOU FOR YOUR BUSINESS

DIRECTIONS : BREWSTER, KS. - 17 NORTH TO THE CURVE - 3 WEST - 1 1/2 NORTH - EAST INTO

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





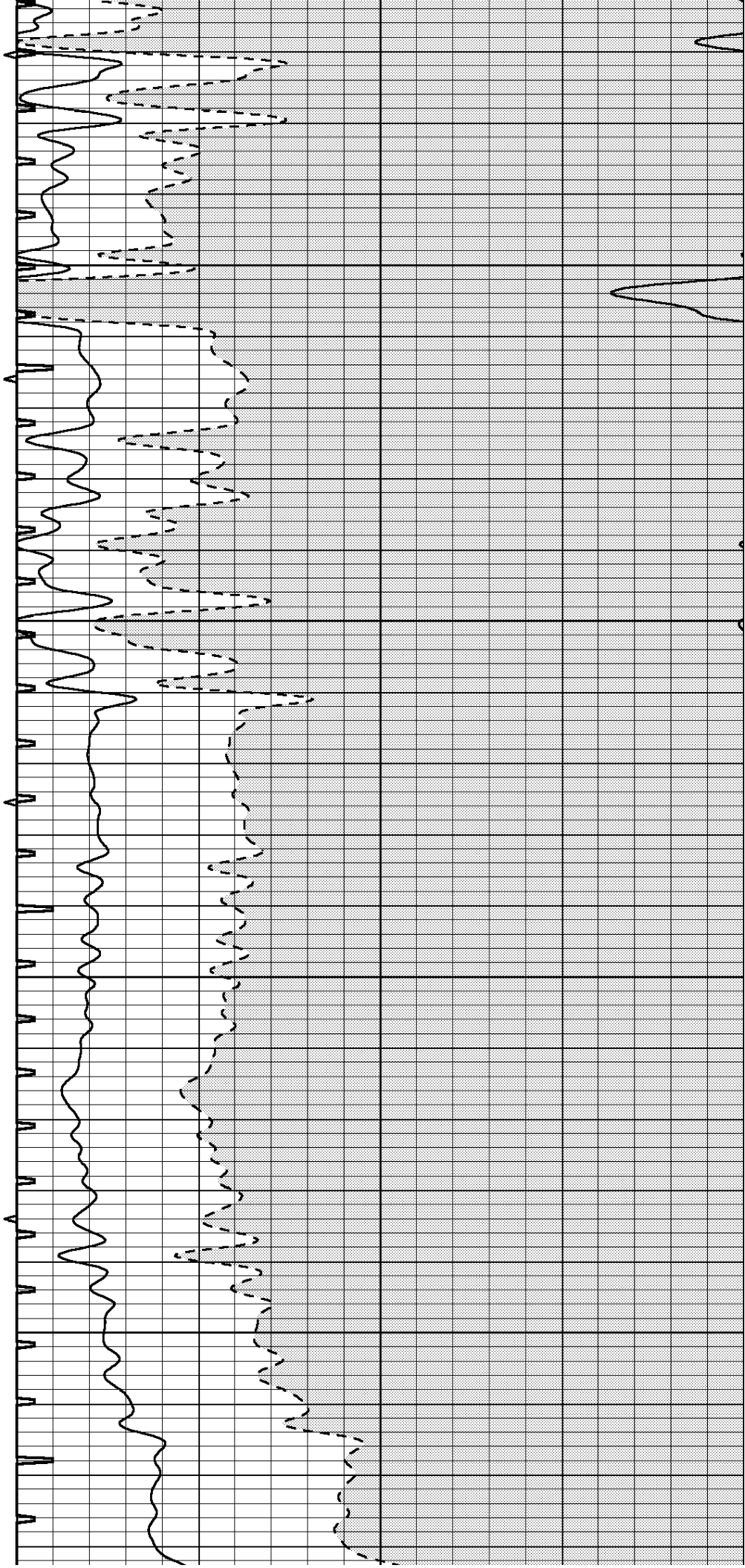


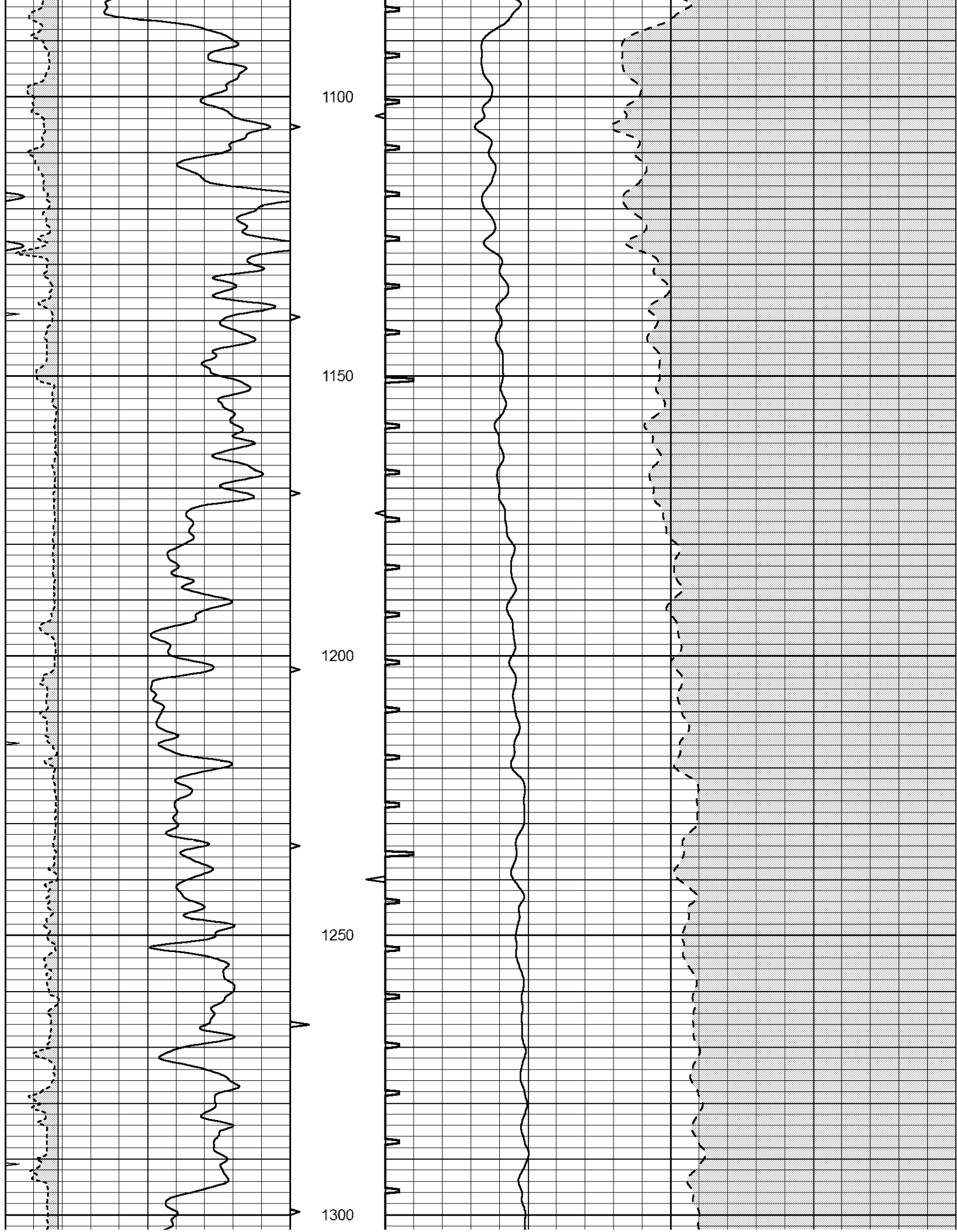
900

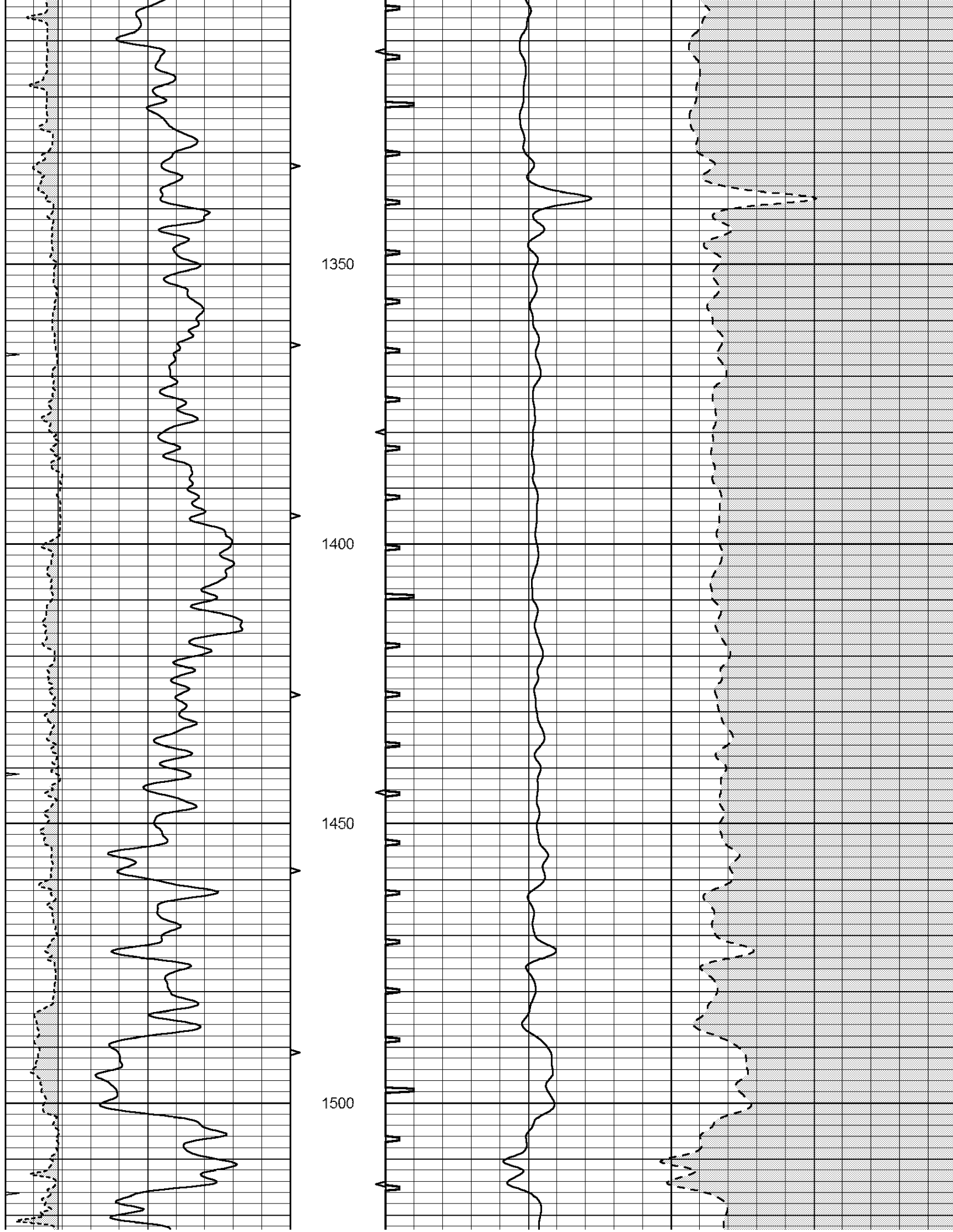
950

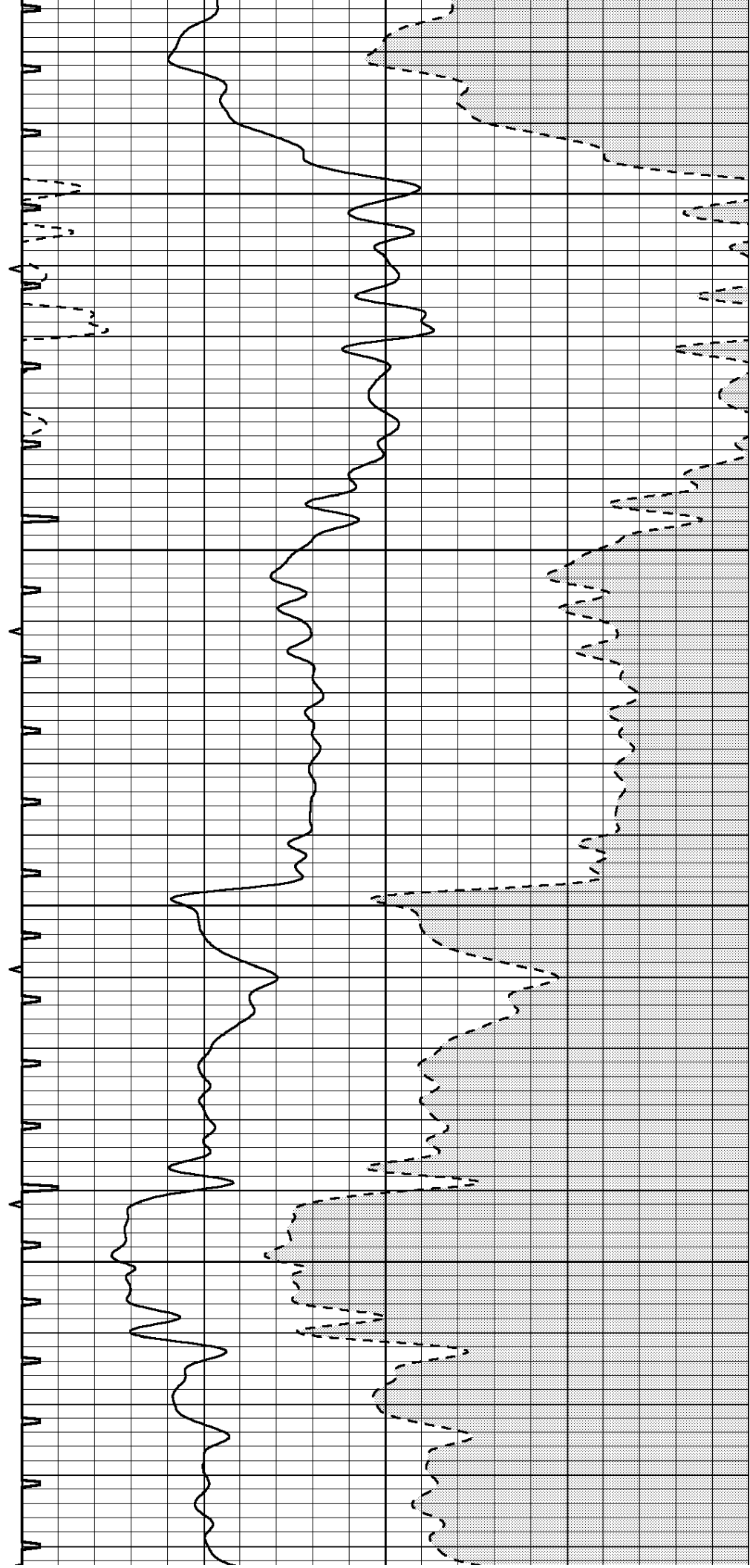
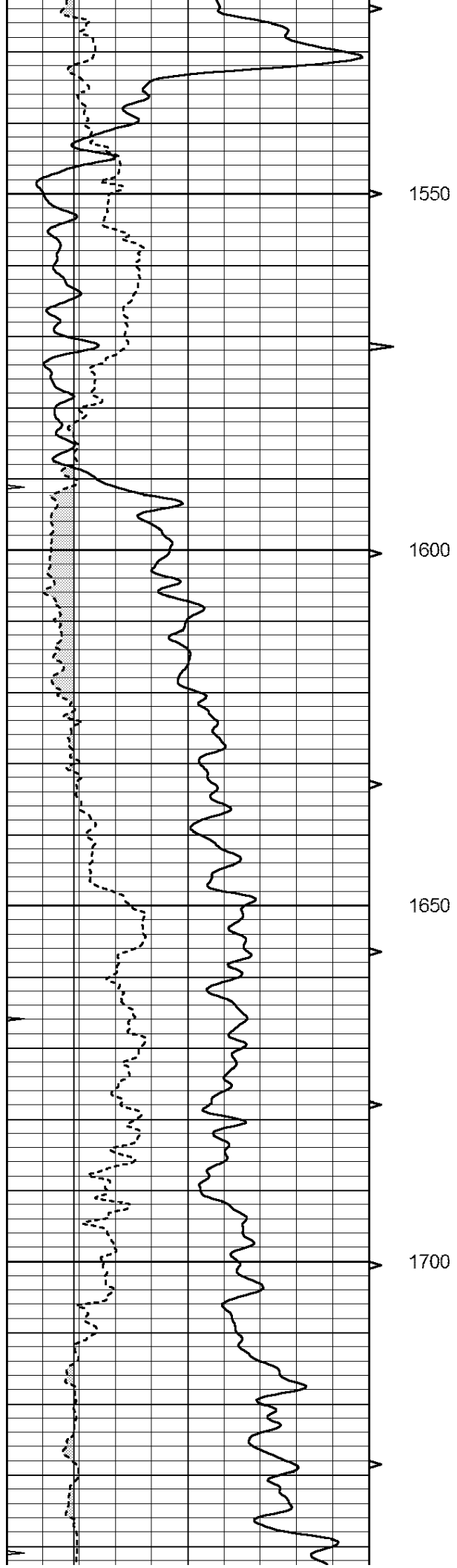
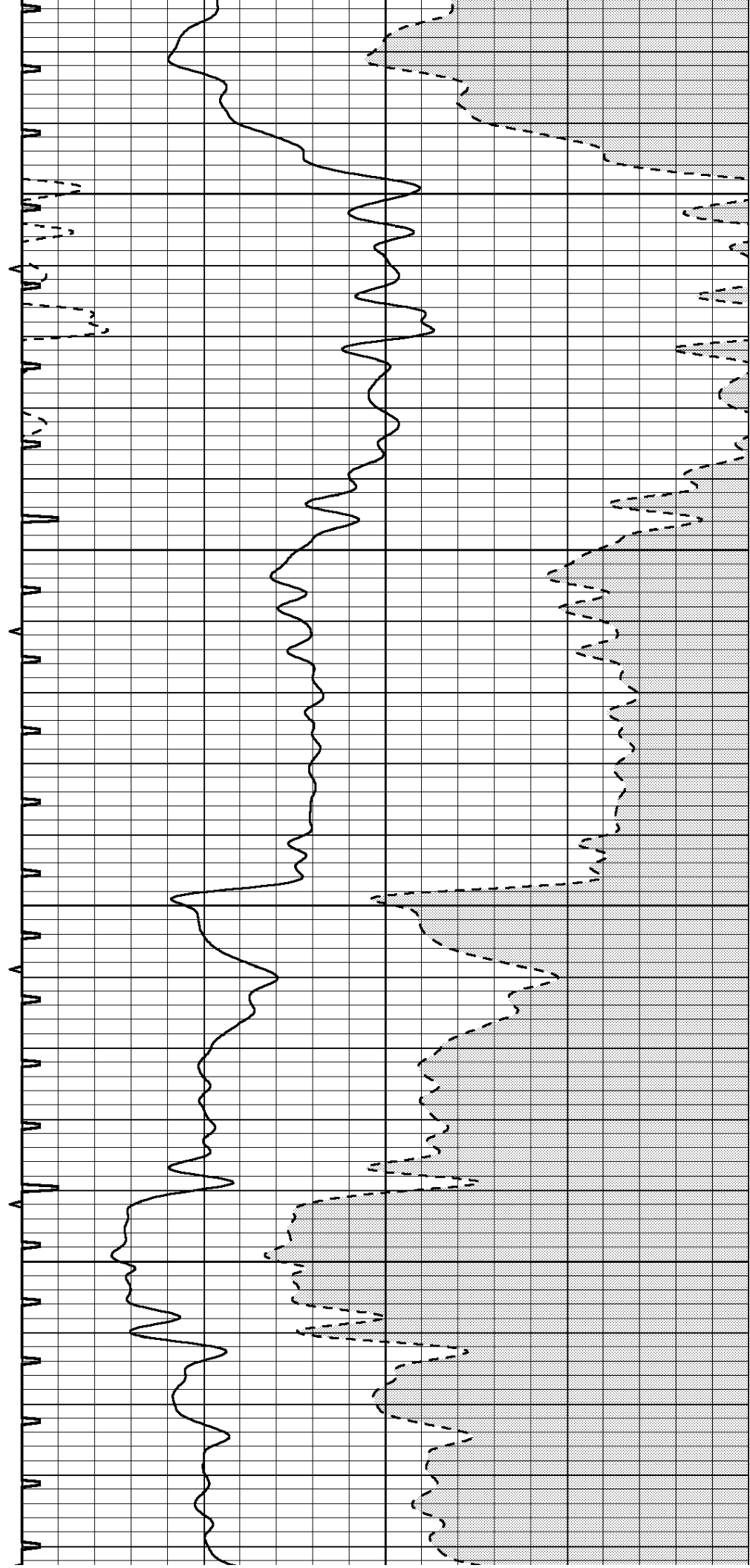
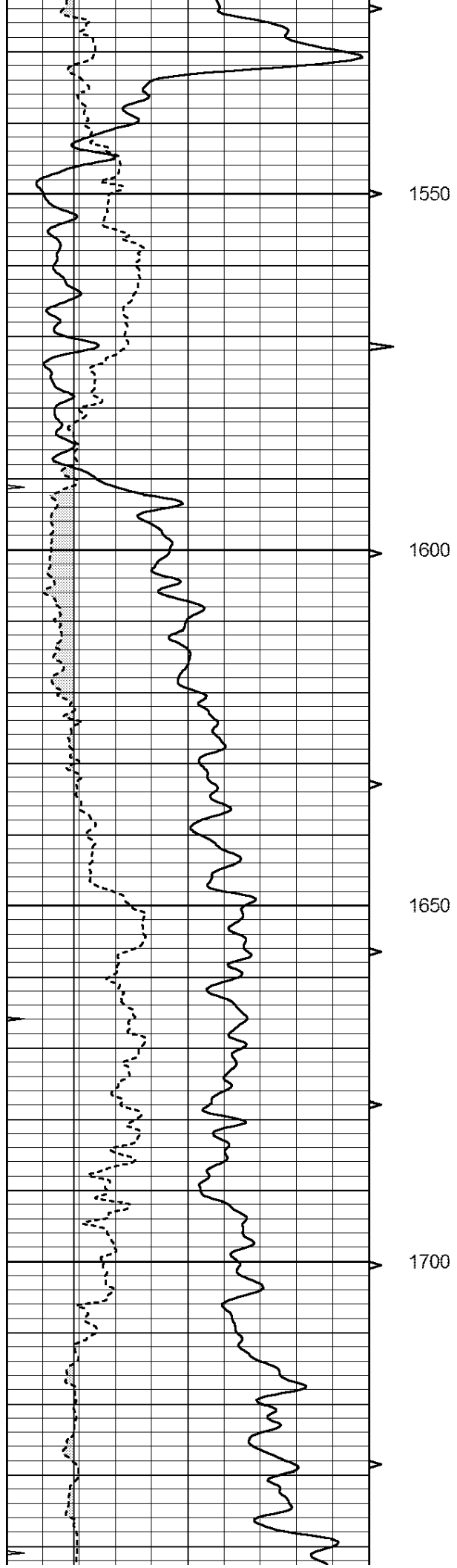
1000

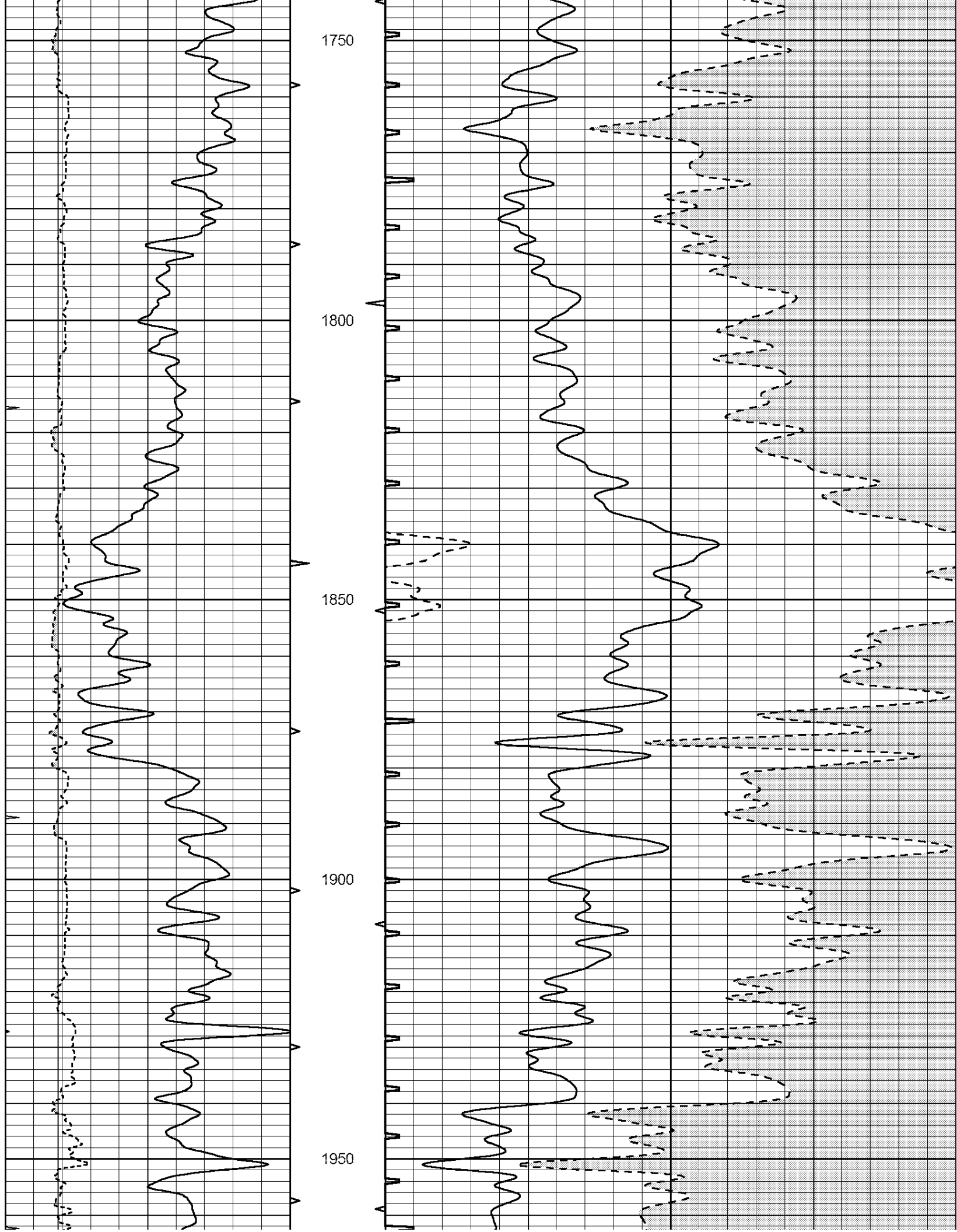
1050

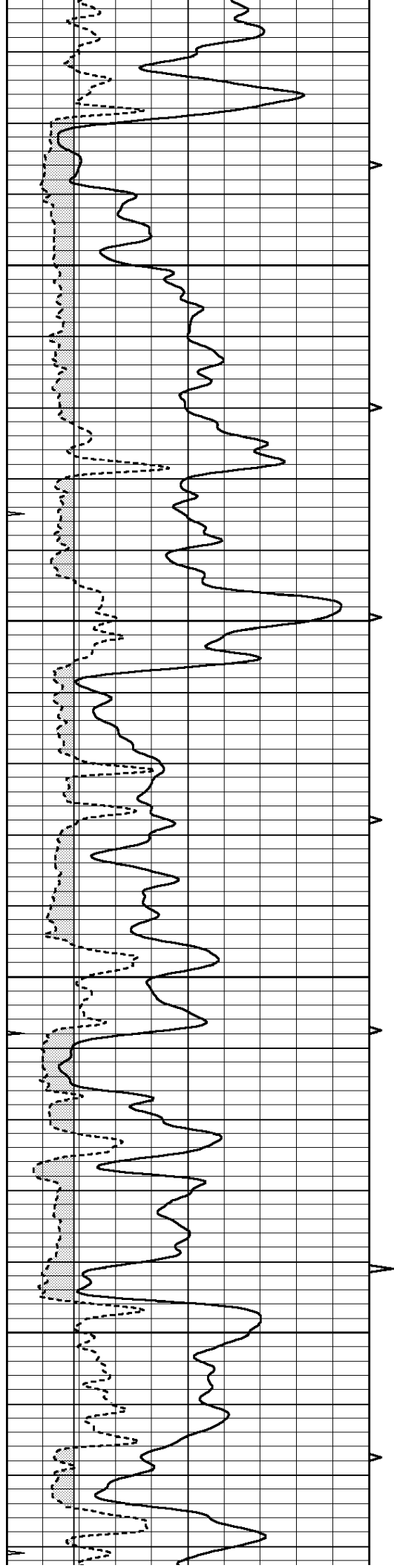










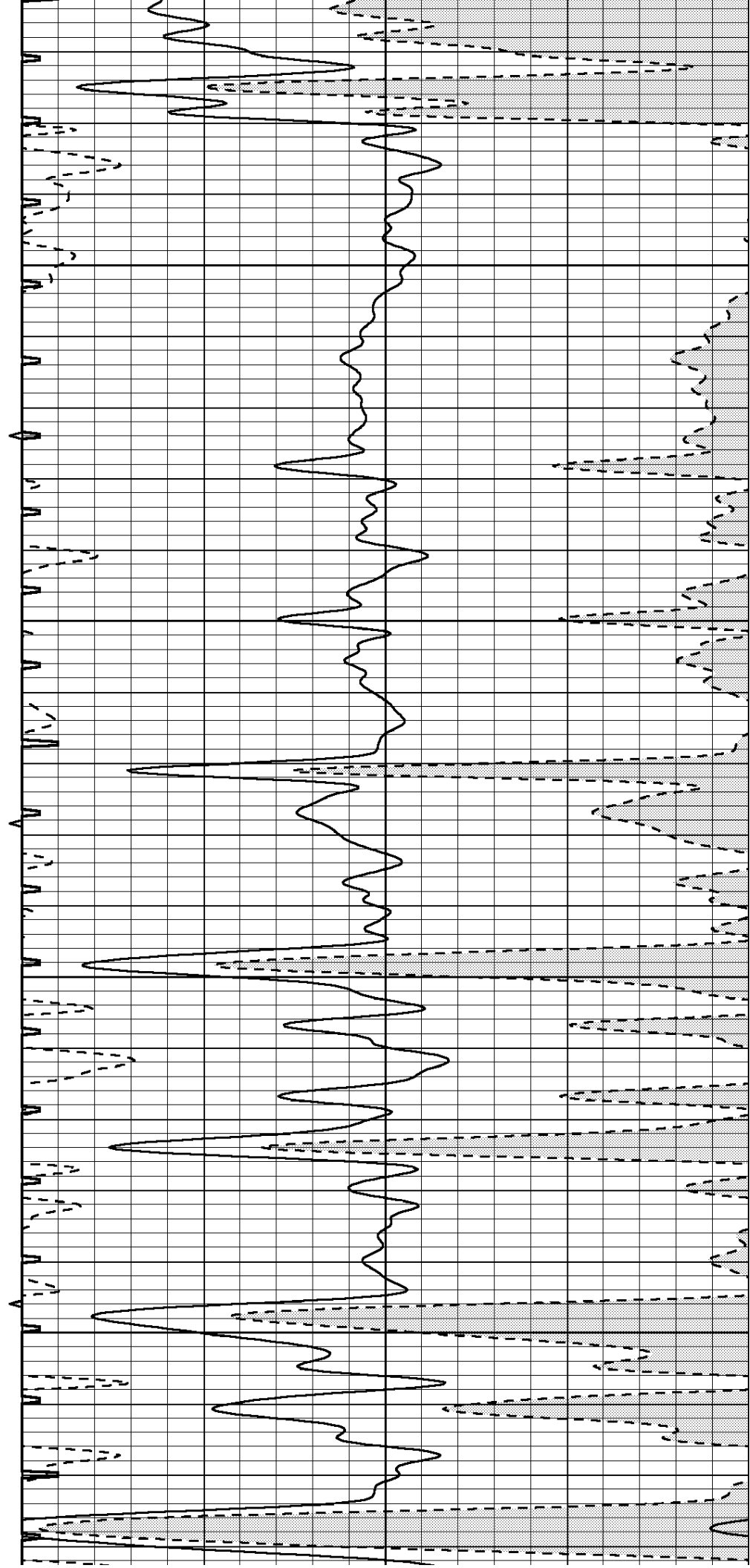


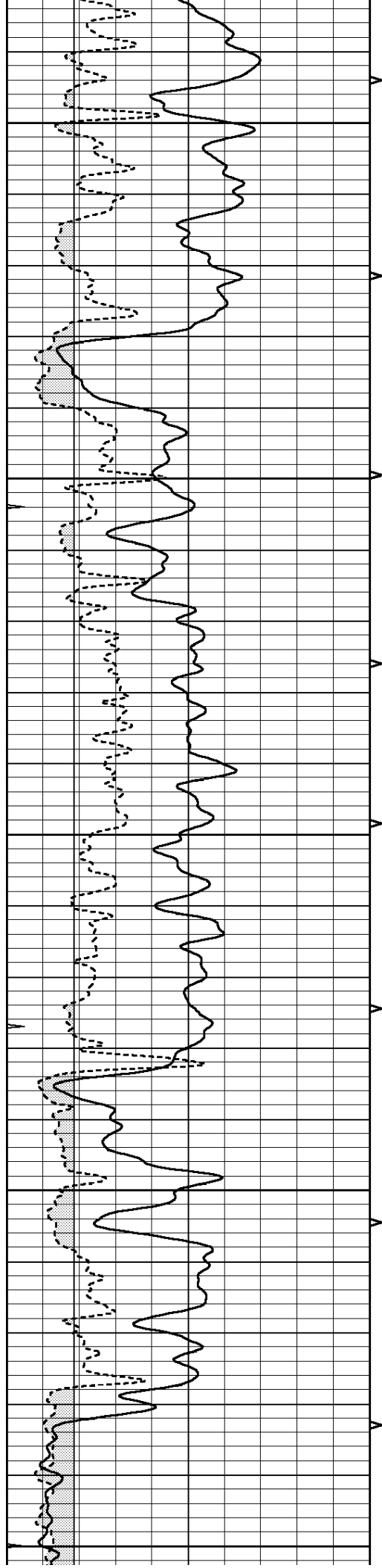
2000

2050

2100

2150





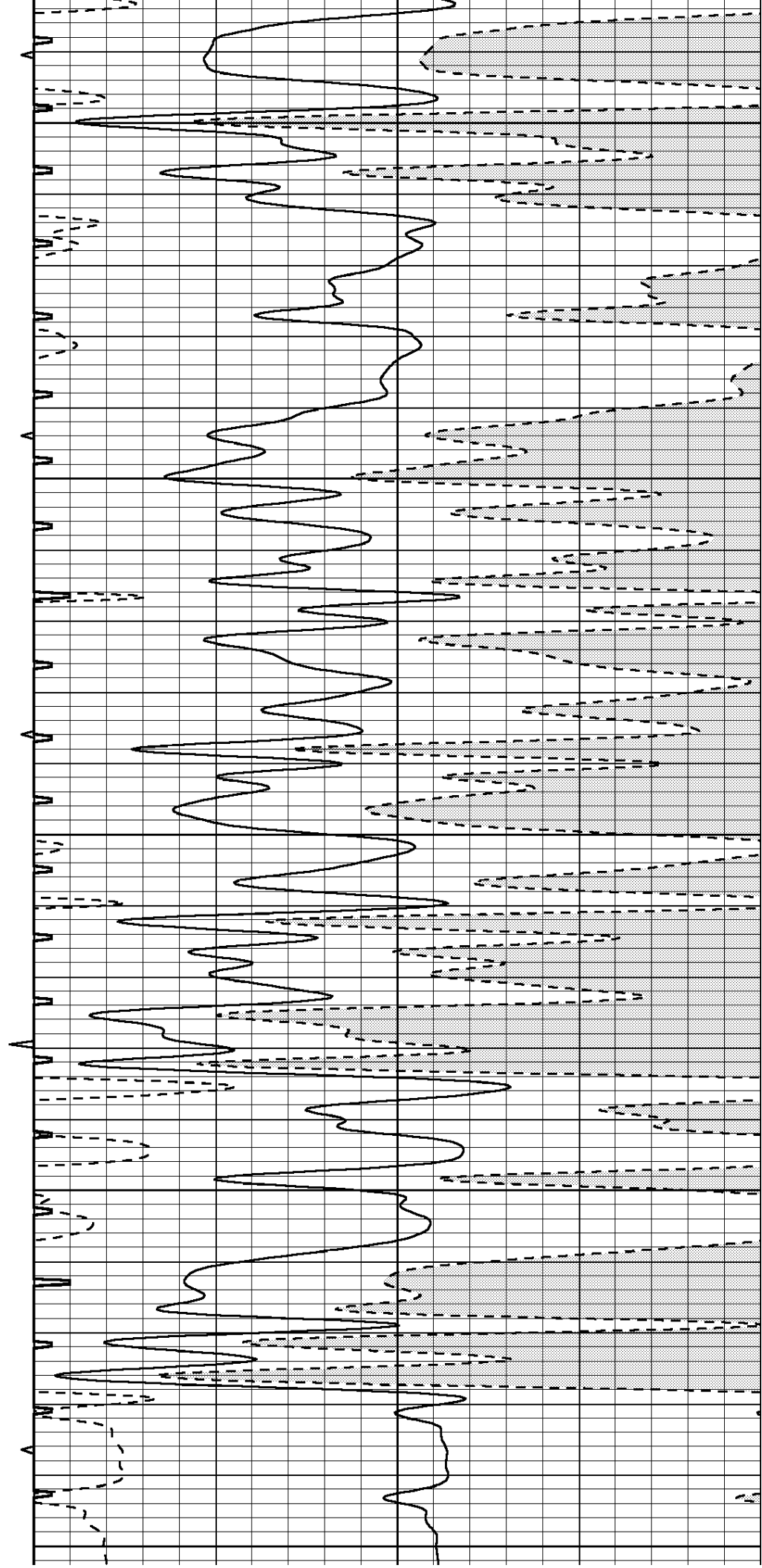
2200

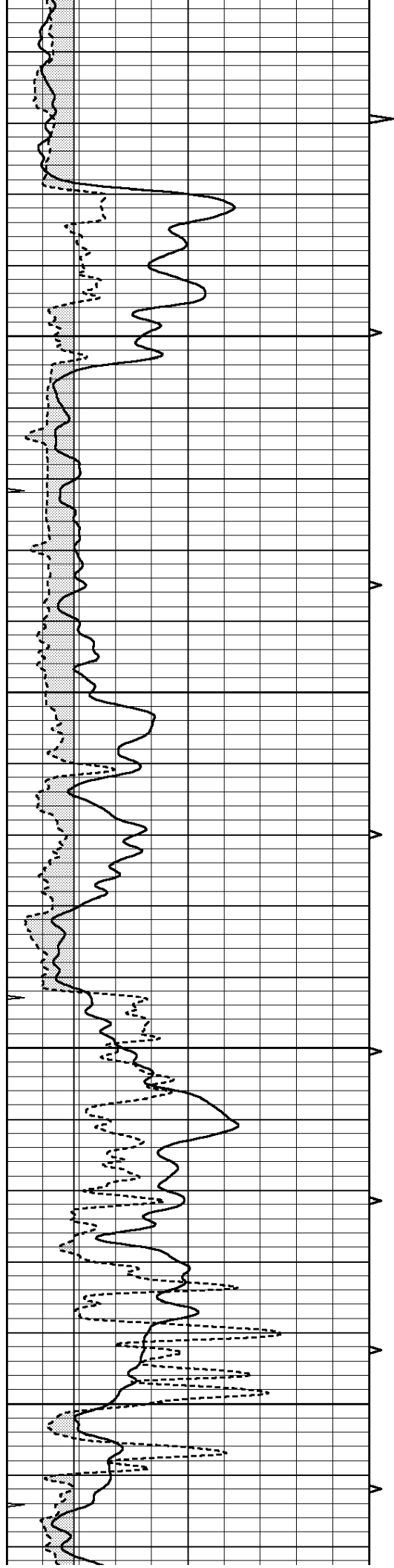
2250

2300

2350

2400



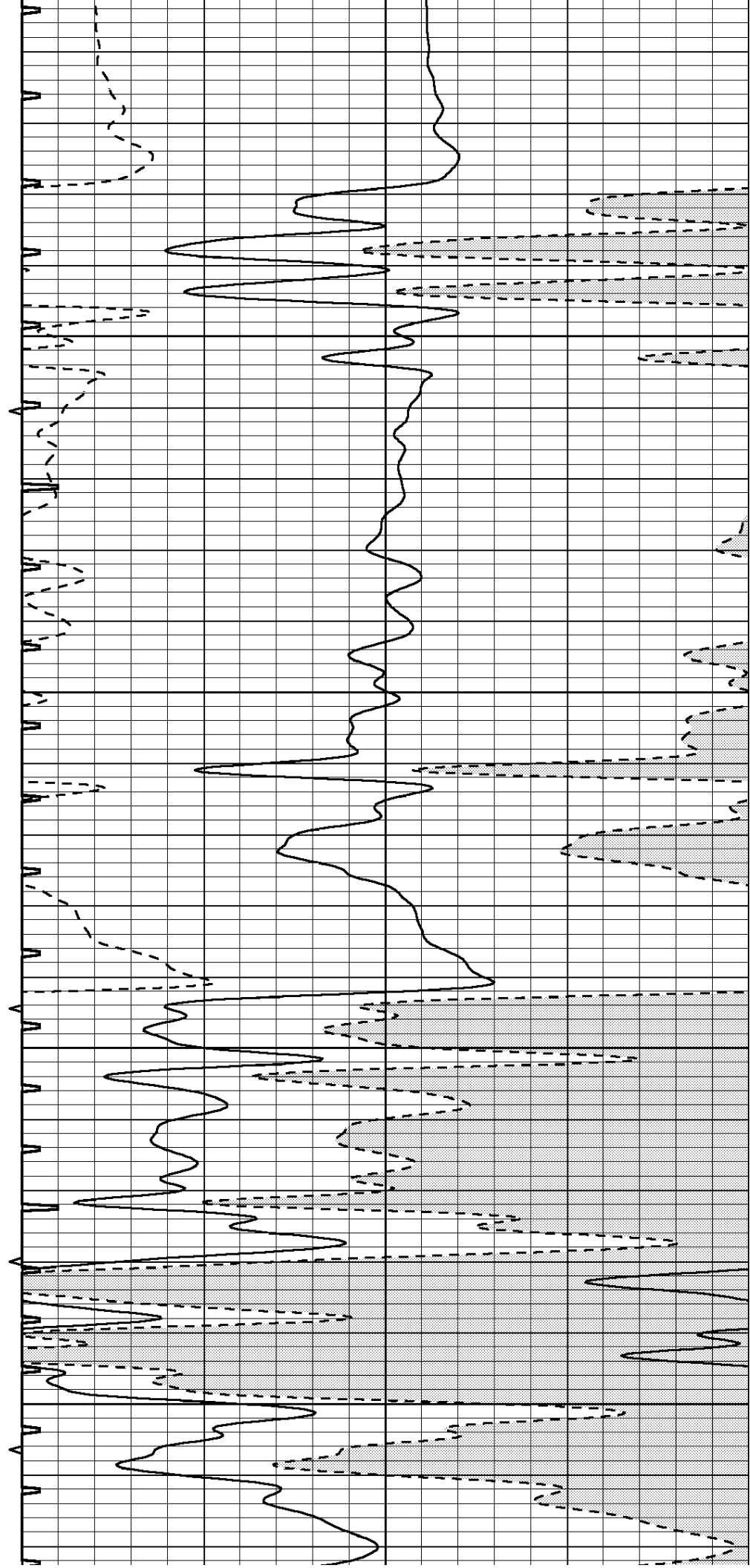


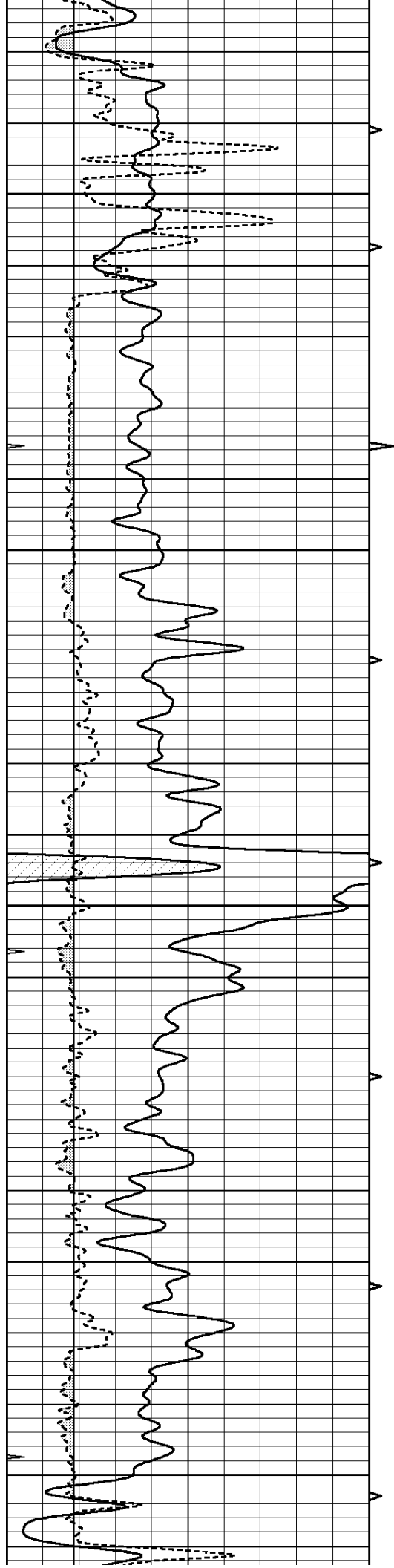
2450

2500

2550

2600



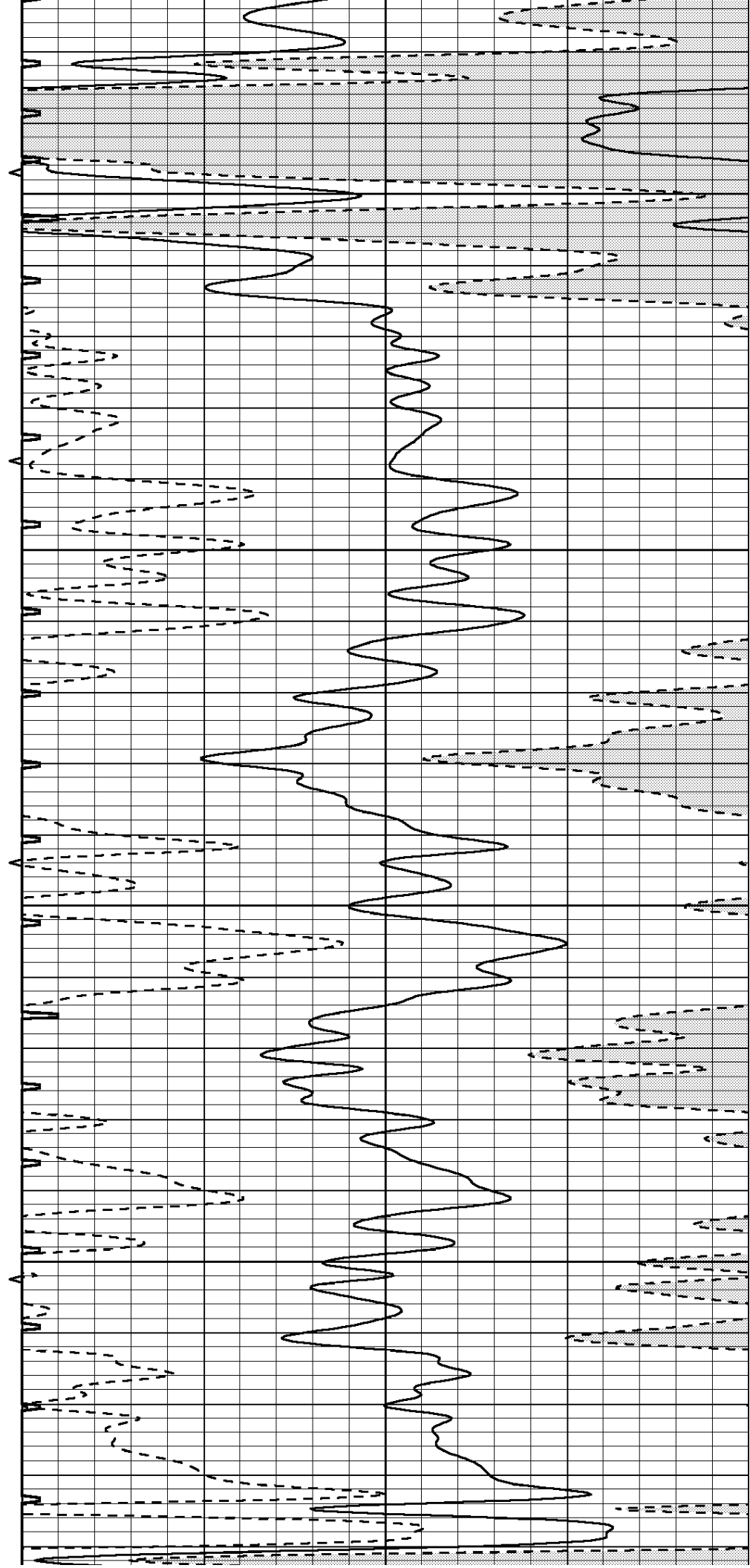


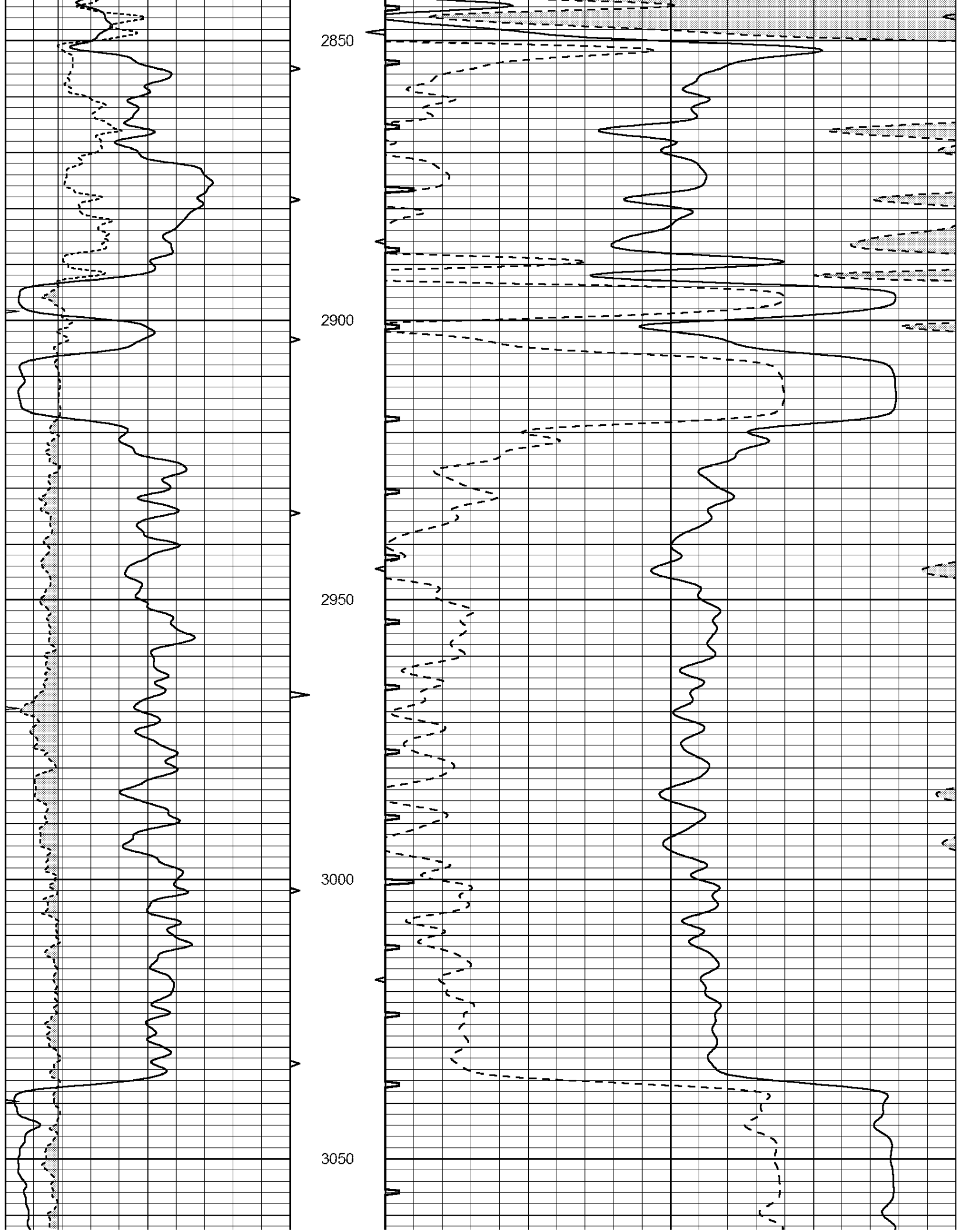
2650

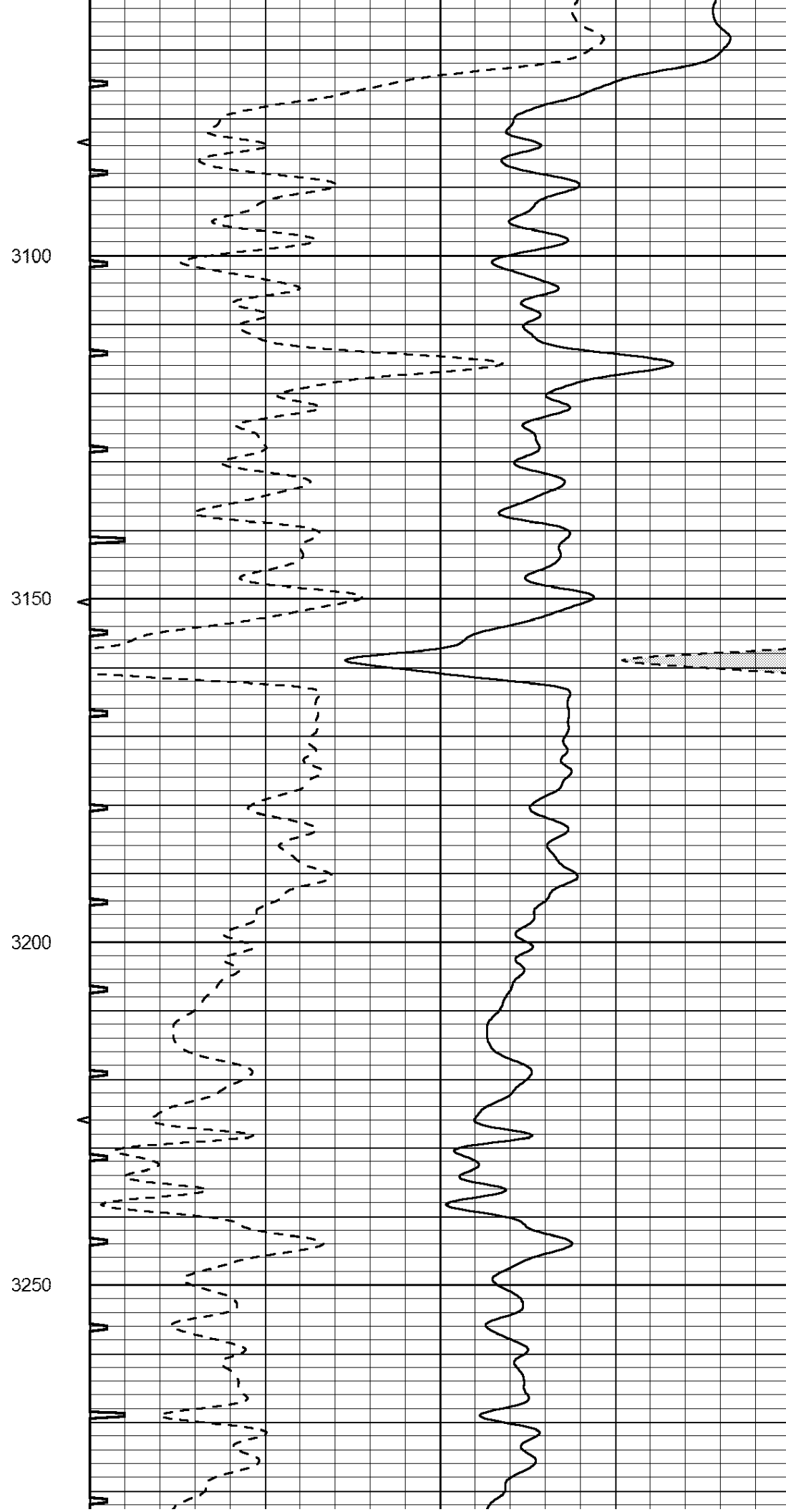
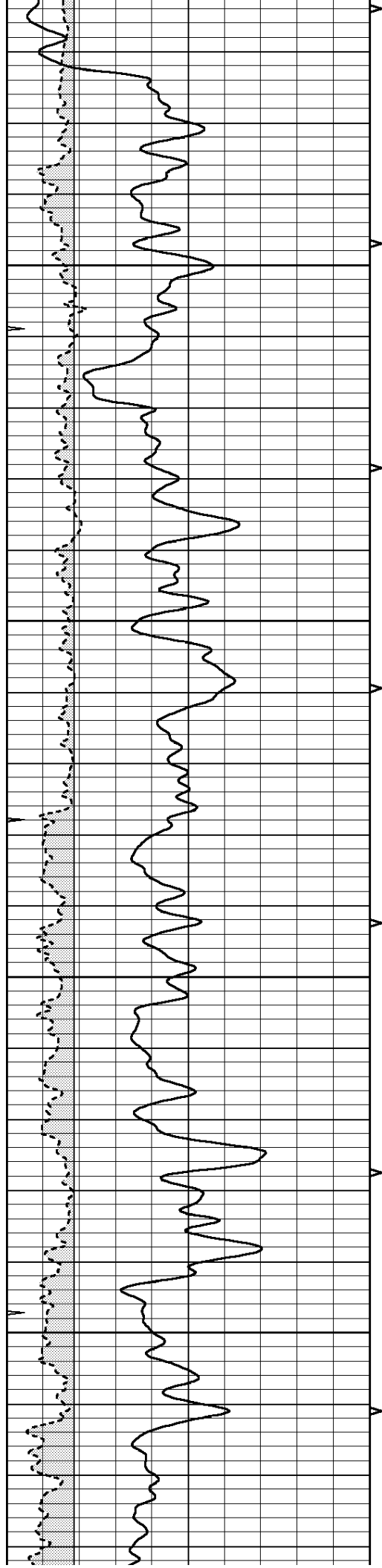
2700

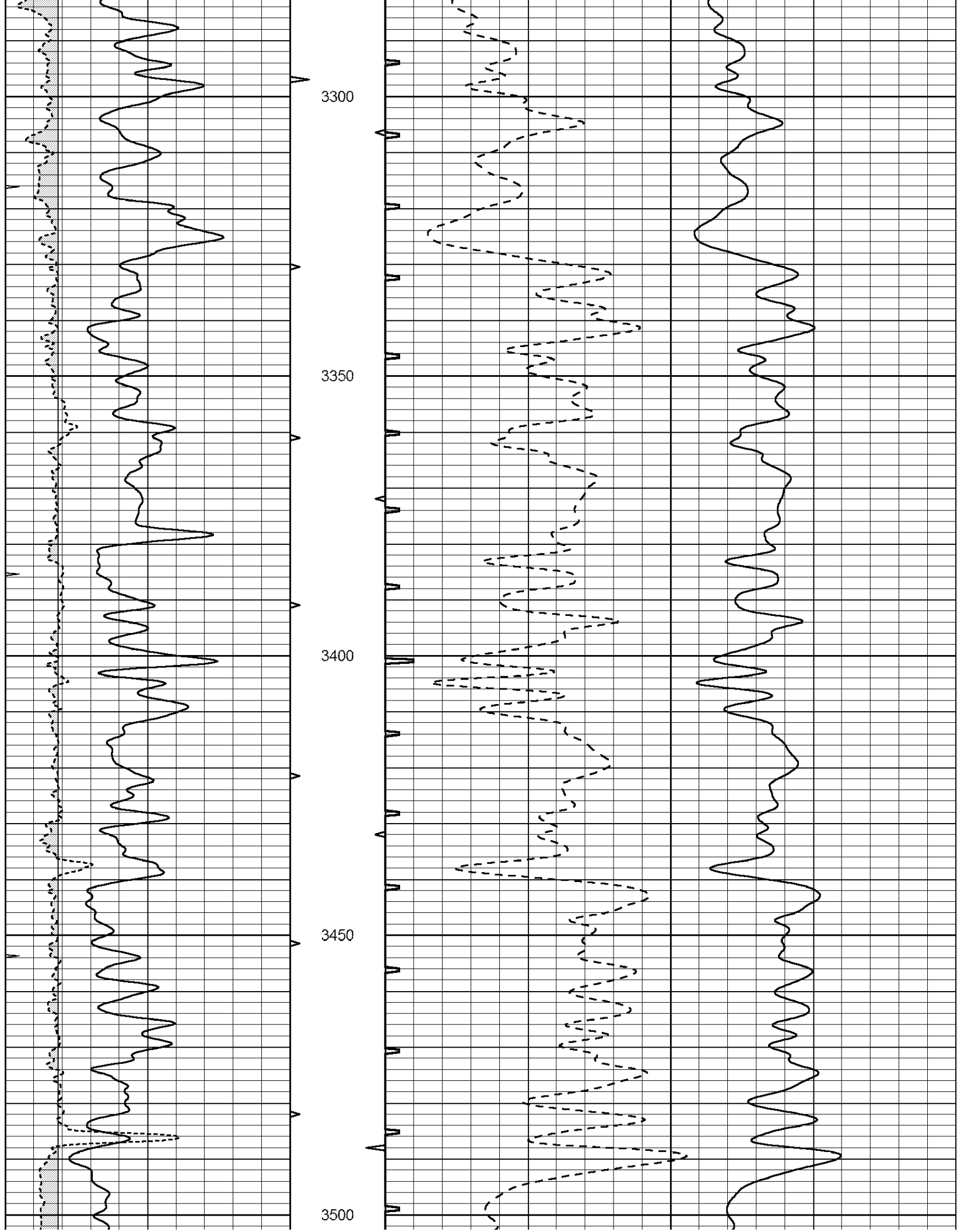
2750

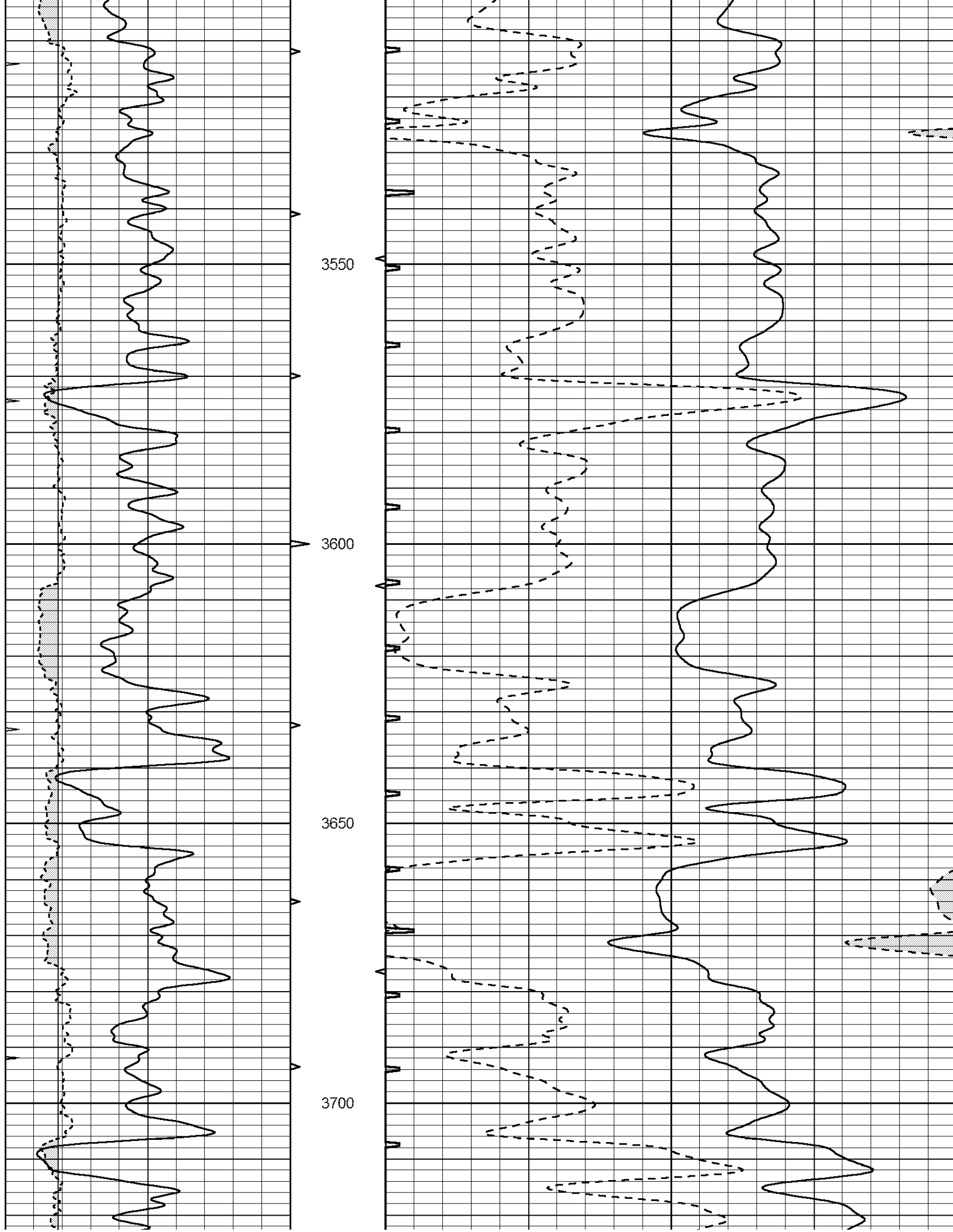
2800

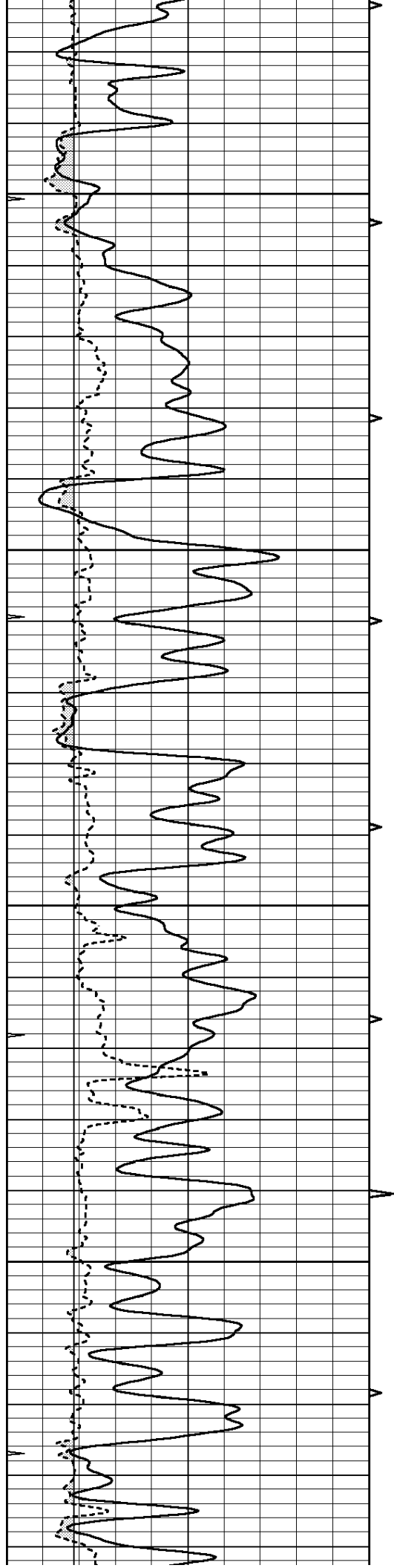










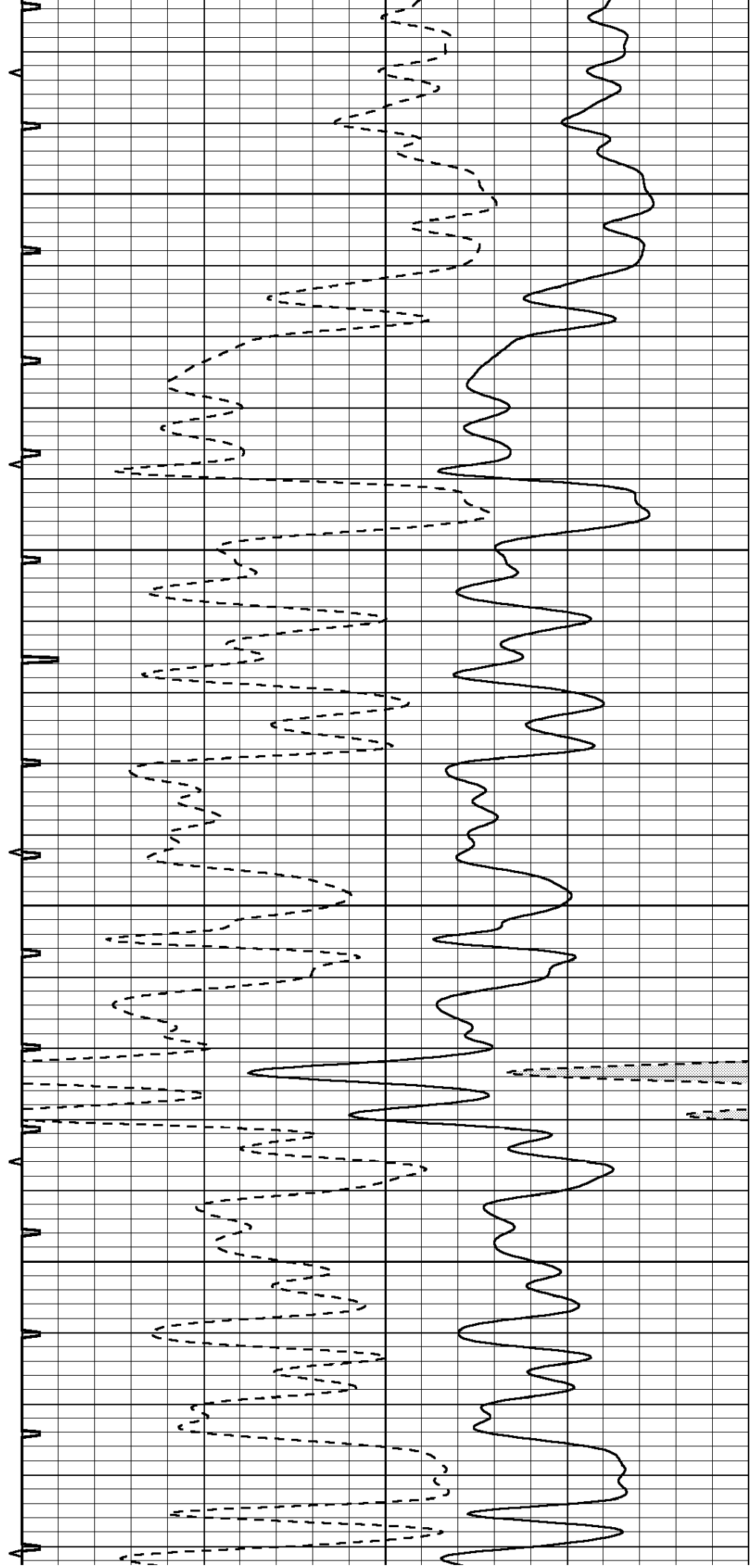


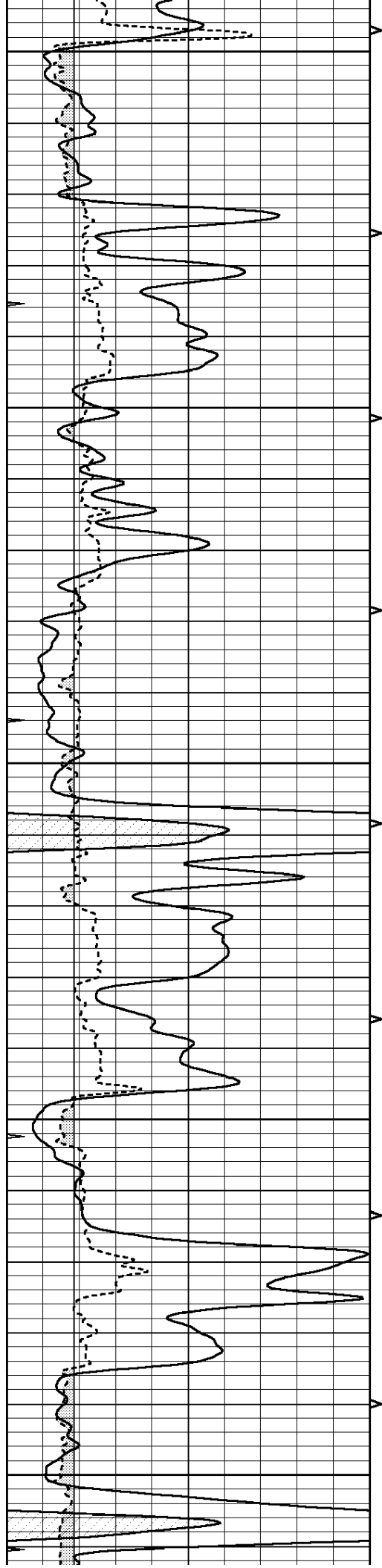
3750

3800

3850

3900





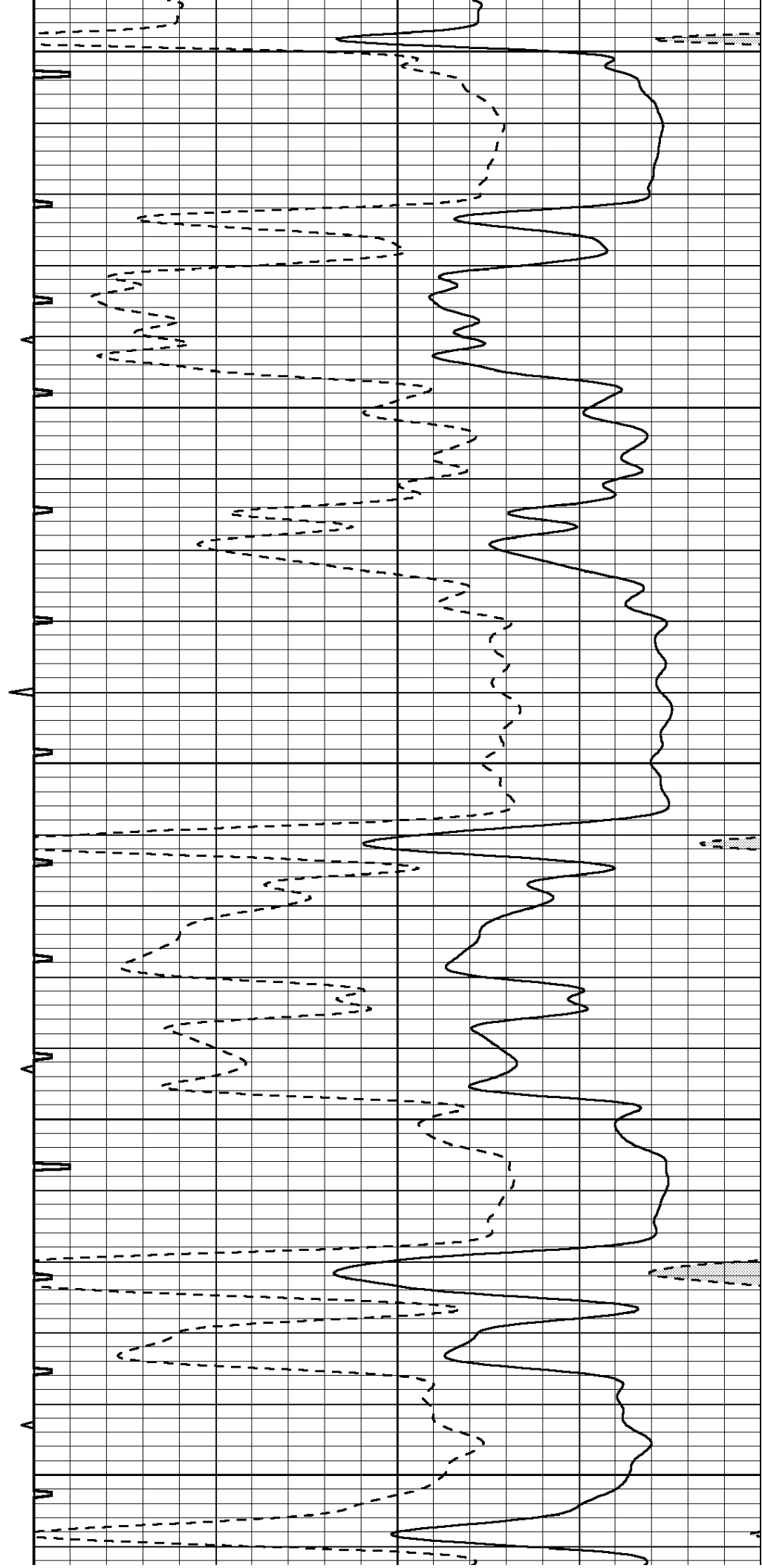
3950

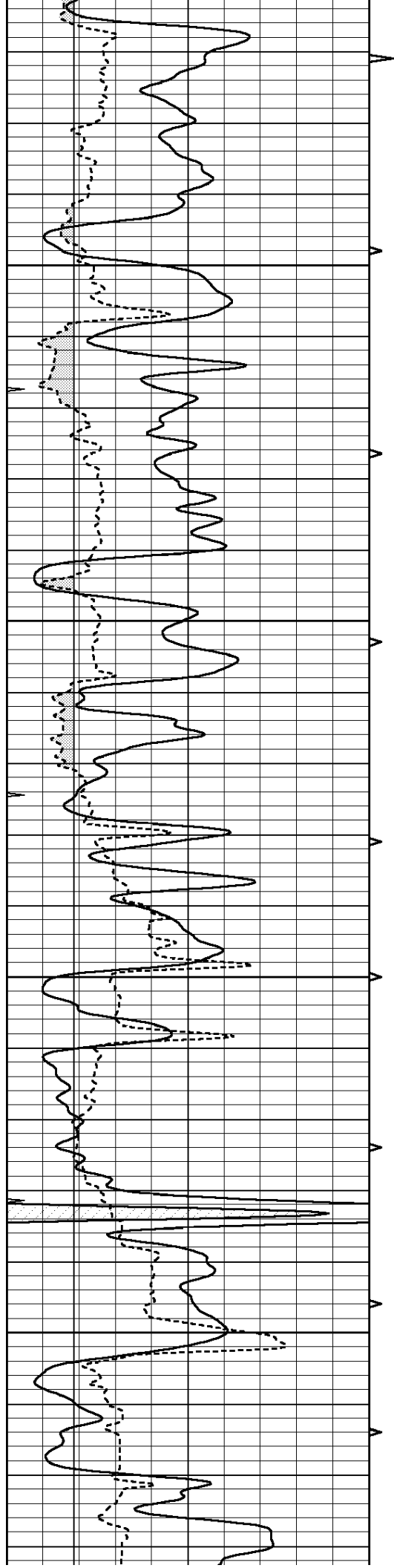
4000

4050

4100

4150



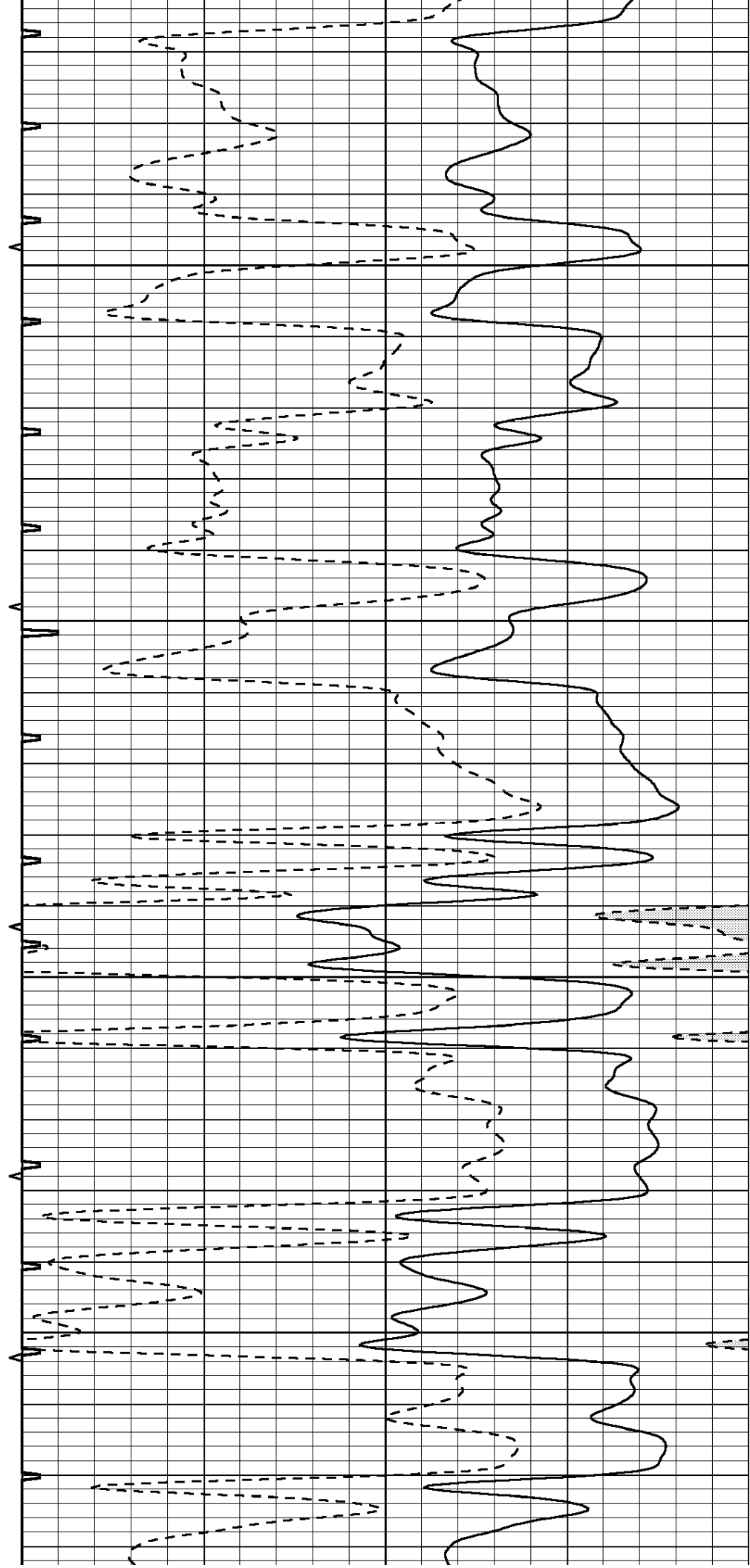


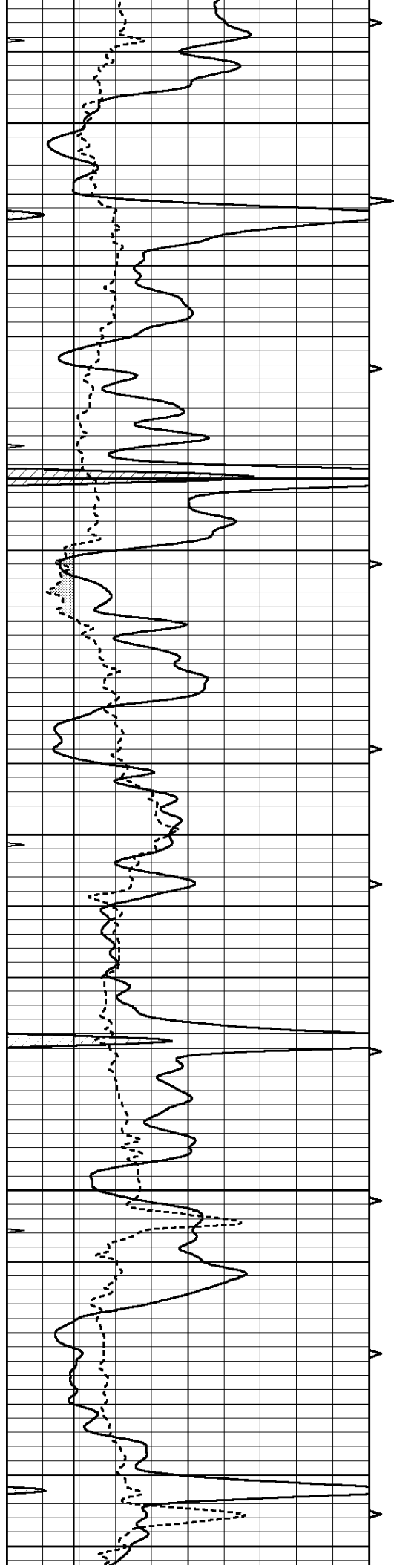
4200

4250

4300

4350





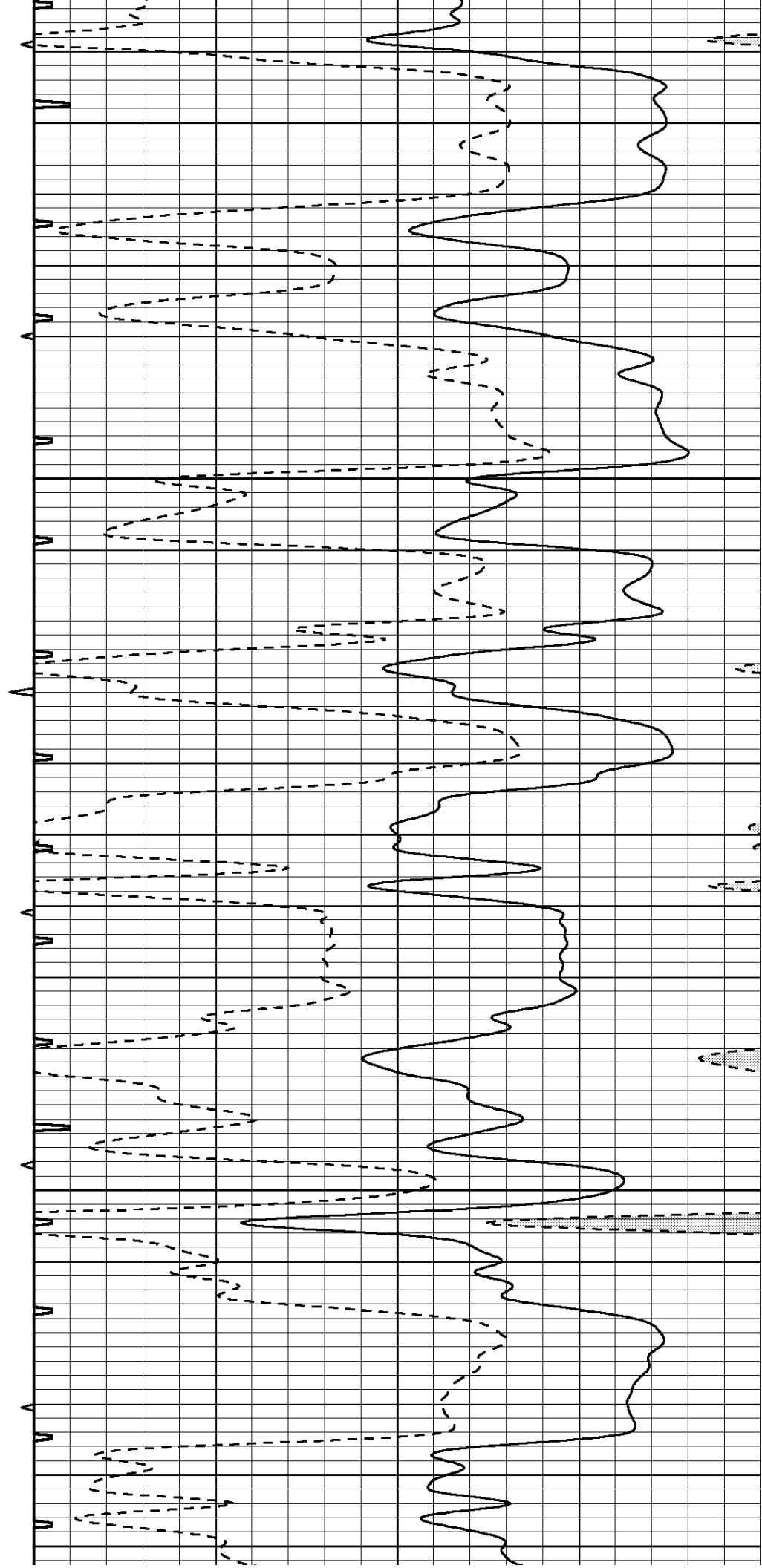
4400

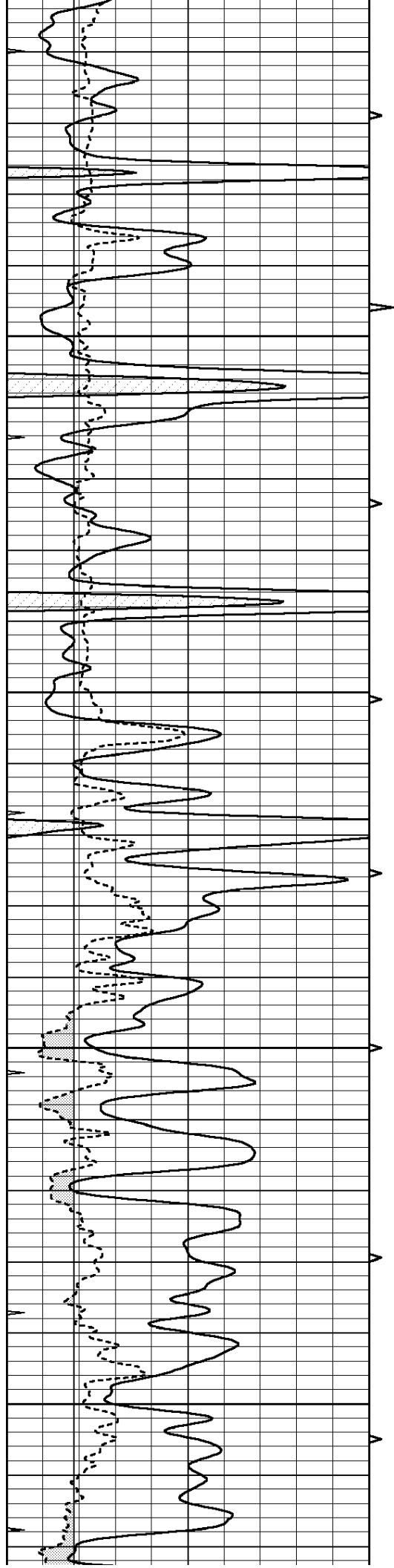
4450

4500

4550

4600



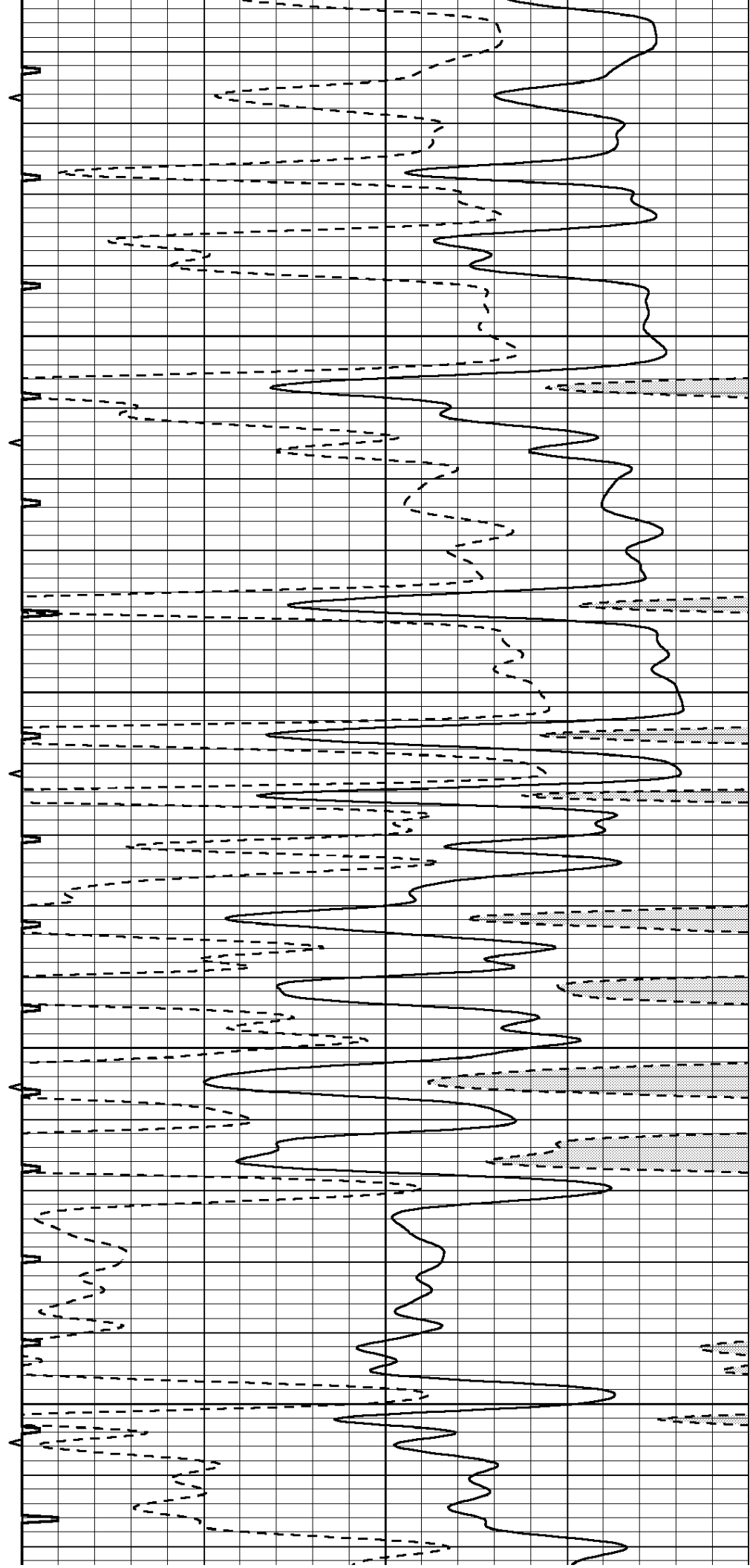


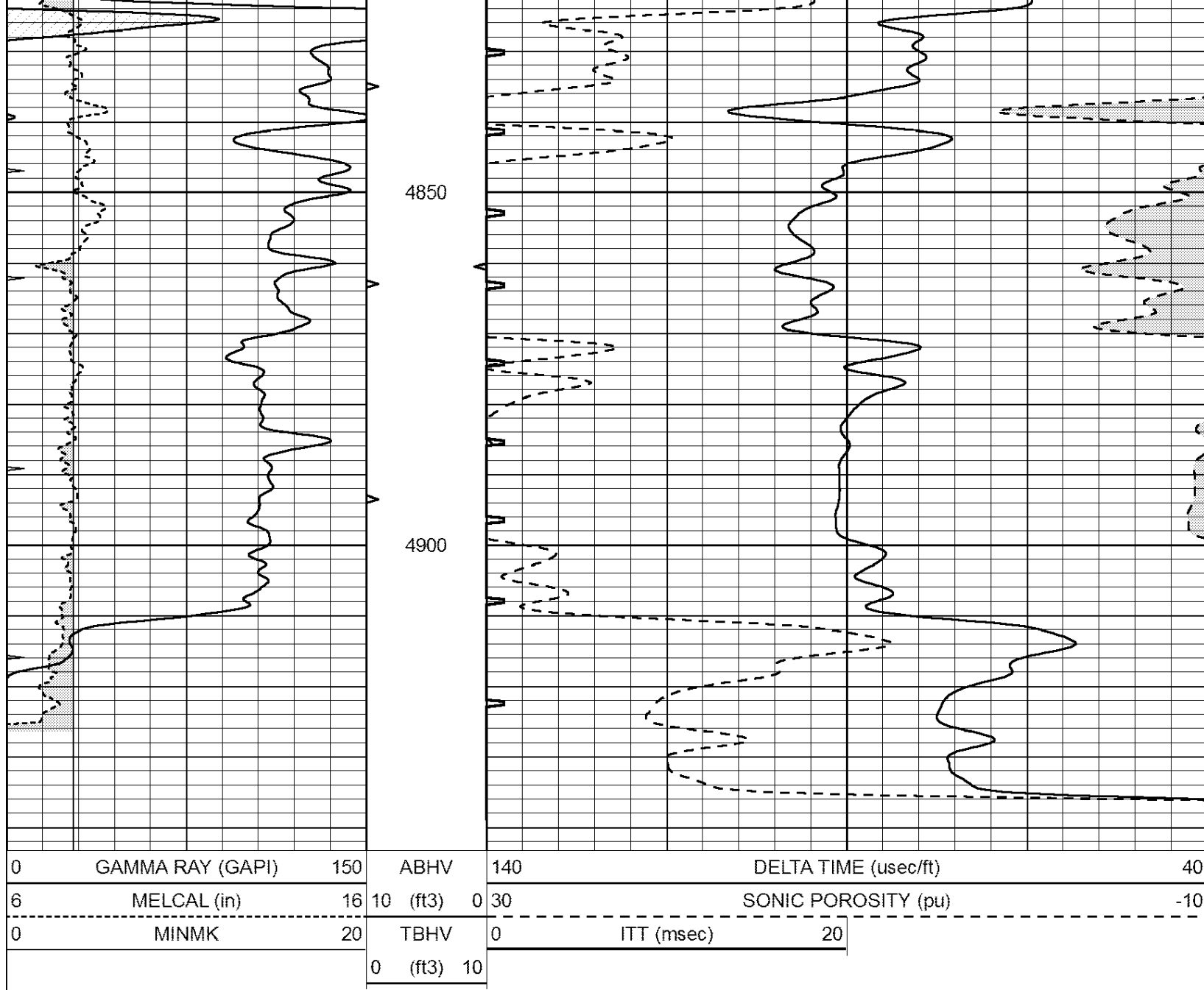
4650

4700

4750

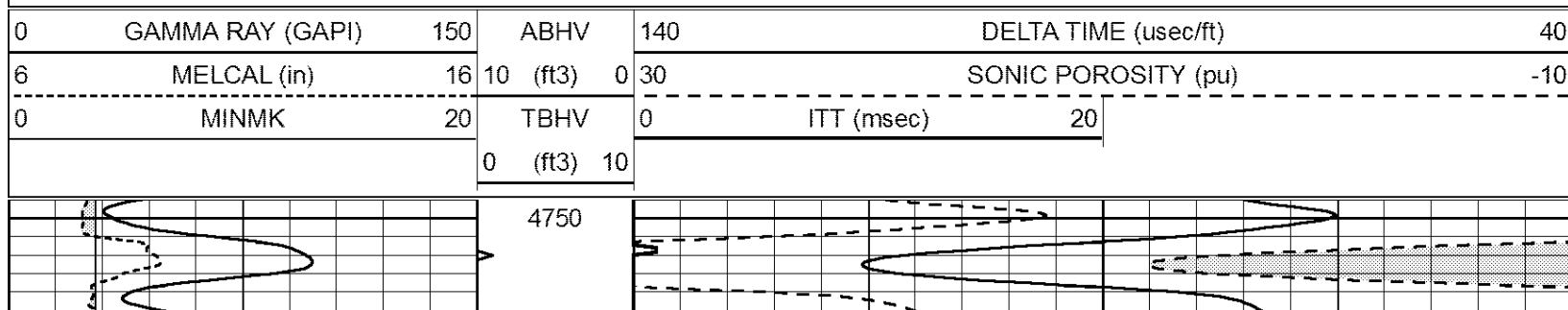
4800

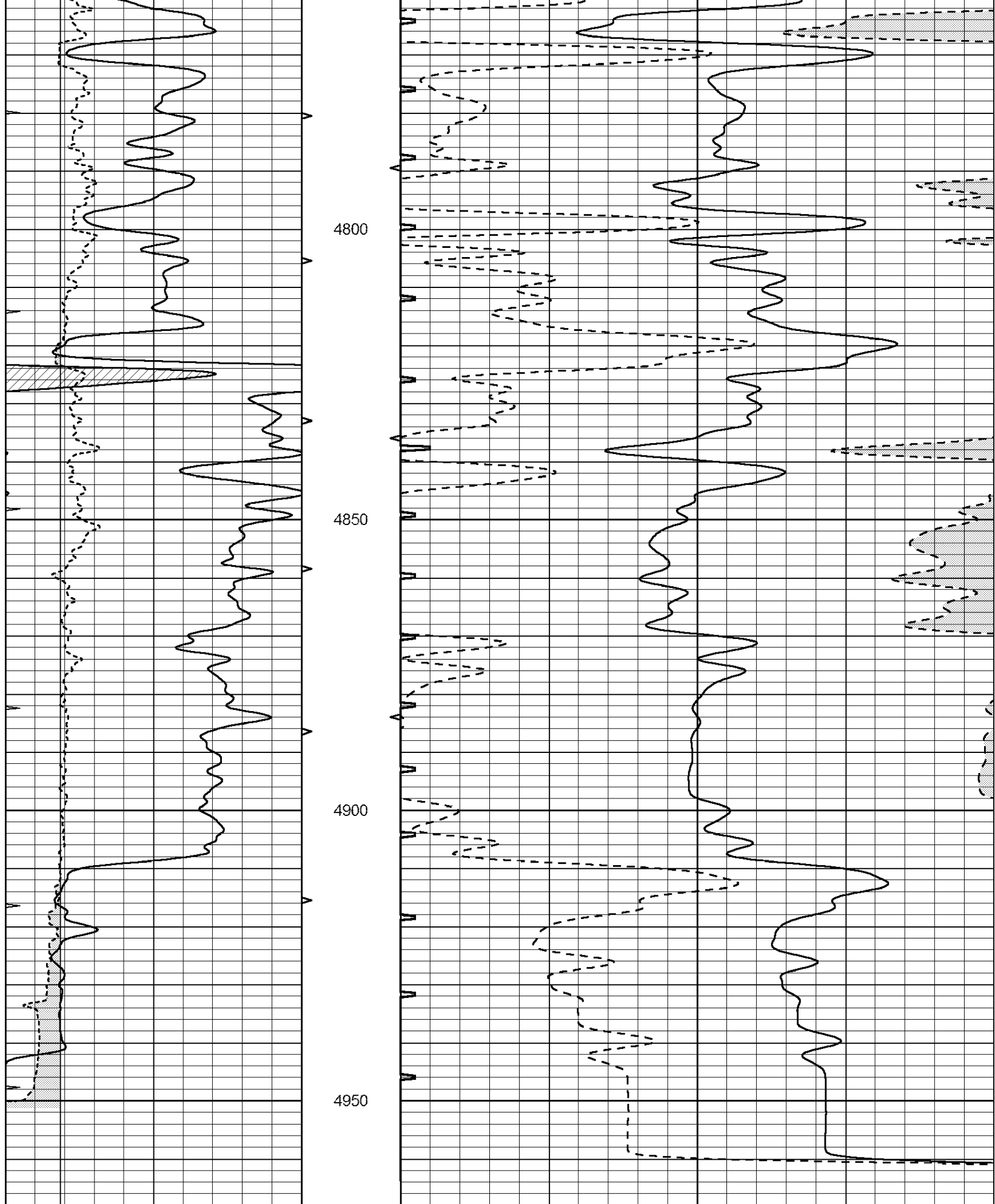




REPEAT SECTION

Database File: 24716ddn.db
 Dataset Pathname: pass5.5
 Presentation Format: _slt
 Dataset Creation: Wed Jul 30 15:24:44 2014 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240





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

0	Width	20	Depth	0	Area (m2)	20
				0 (ft3)	10	