



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company TREK AEC, LLC
Well MCCASKEY #2-20
Field WILDCAT
County PRATT State KANSAS

Location: API # : 15-151-22448-00-00

SE - SW - NE - SW
1520' FSL & 1820' FWL

SEC 20 TWP 29S RGE 11W

Permanent Datum GROUND LEVEL Elevation 1855
Log Measured From KELLY BUSHING 12' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CNL/CDL
DIL/MEL

Elevation

K.B. 1867
D.F. 1865
G.L. 1855

Date 7-28-15

Run Number TWO

Depth Driller 4740

Depth Logger 4740

Bottom Logged Interval 4730

Top Log Interval 270

Casing Driller 8 5/8 @ 308'

Casing Logger 310'

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD CHLORIDES 9.000 PPM

Density / Viscosity 9.0/46

pH / Fluid Loss 10.0/10.8

Source of Sample FLOWLINE

Rm @ Meas. Temp 0.40 @ 97F

Rmf @ Meas. Temp 0.30 @ 97F

Rmc @ Meas. Temp 0.48 @ 97F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT 0.32 @ 123F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom

Maximum Recorded Temperature 123F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By IAN MABB

Witnessed By ROGER MARTIN

DAVE BARKER

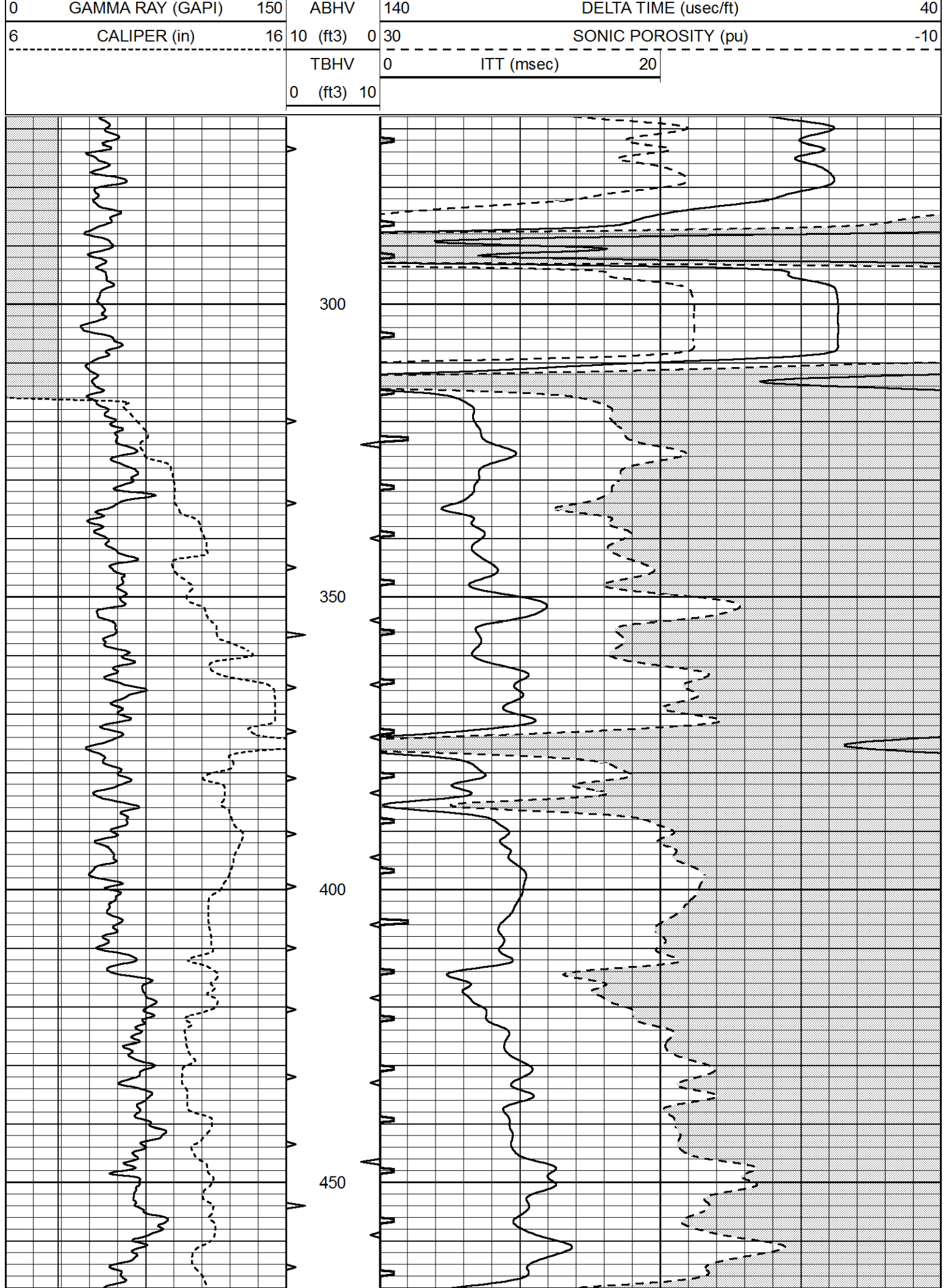
<<< Fold Here >>>

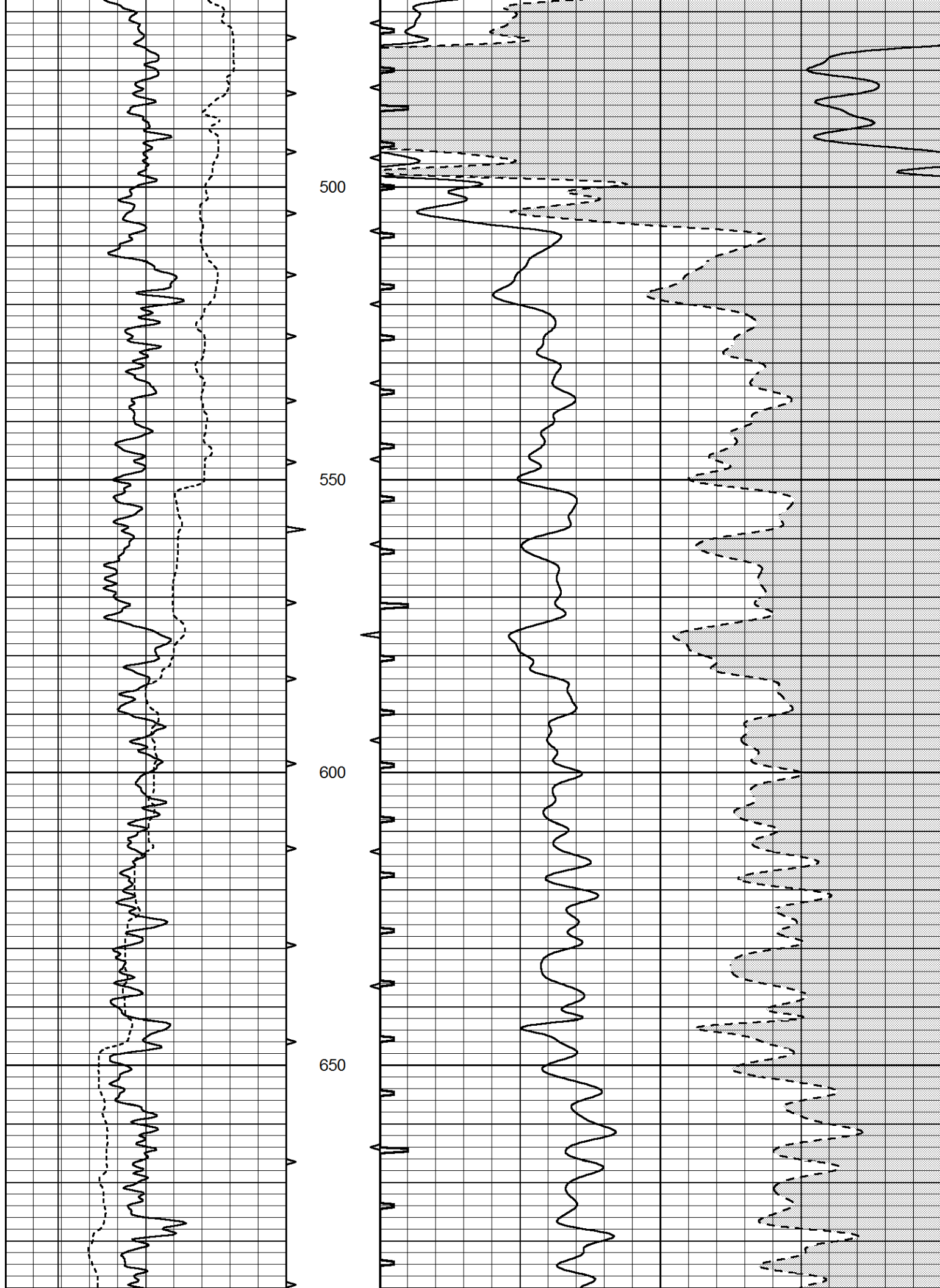
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

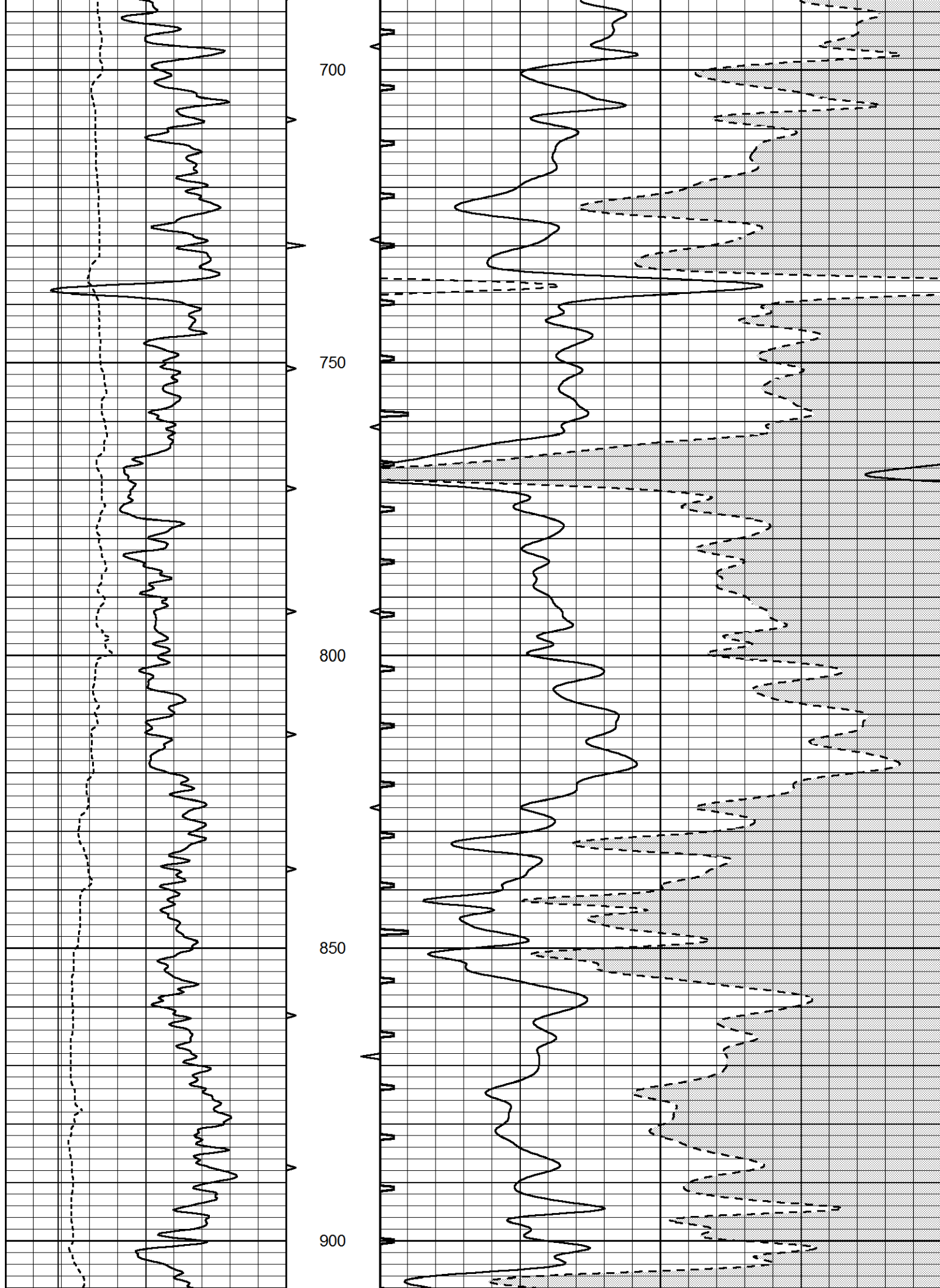
Comments

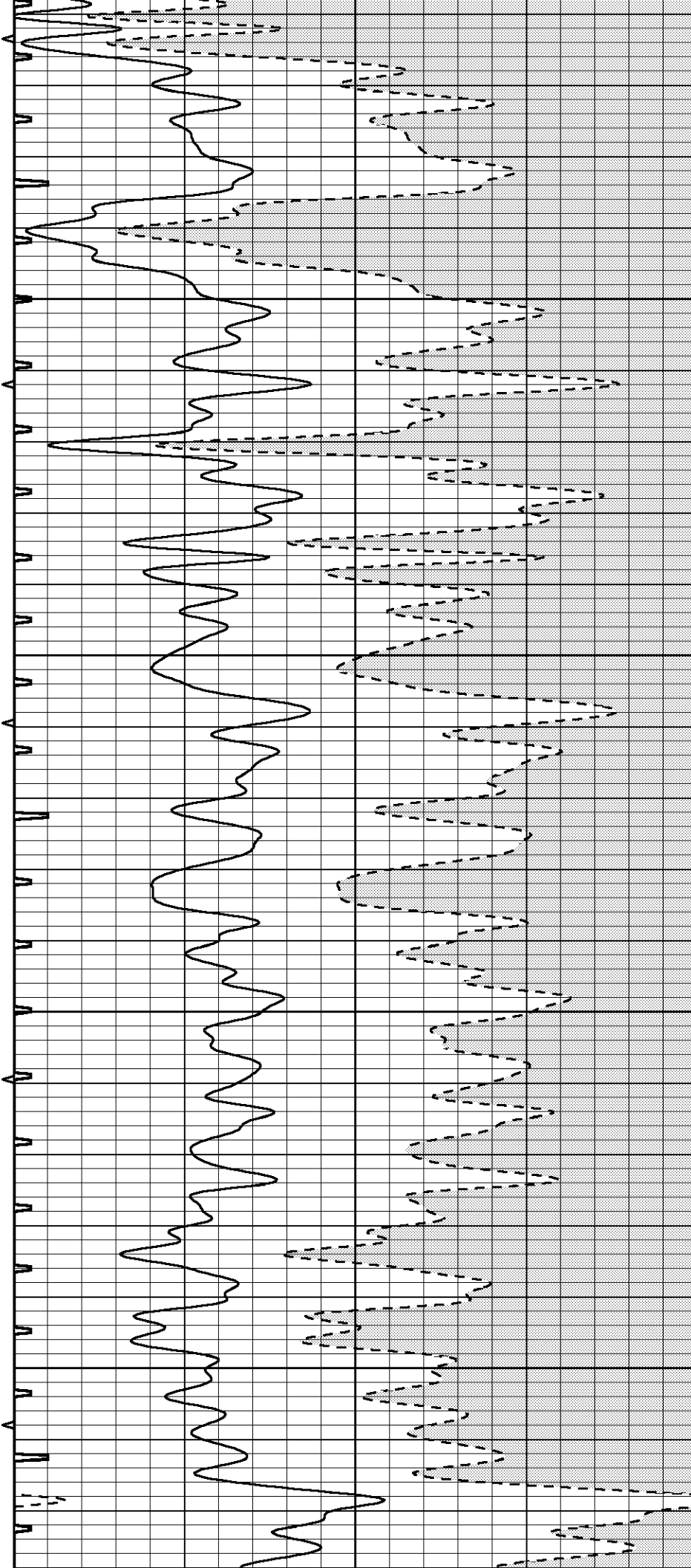
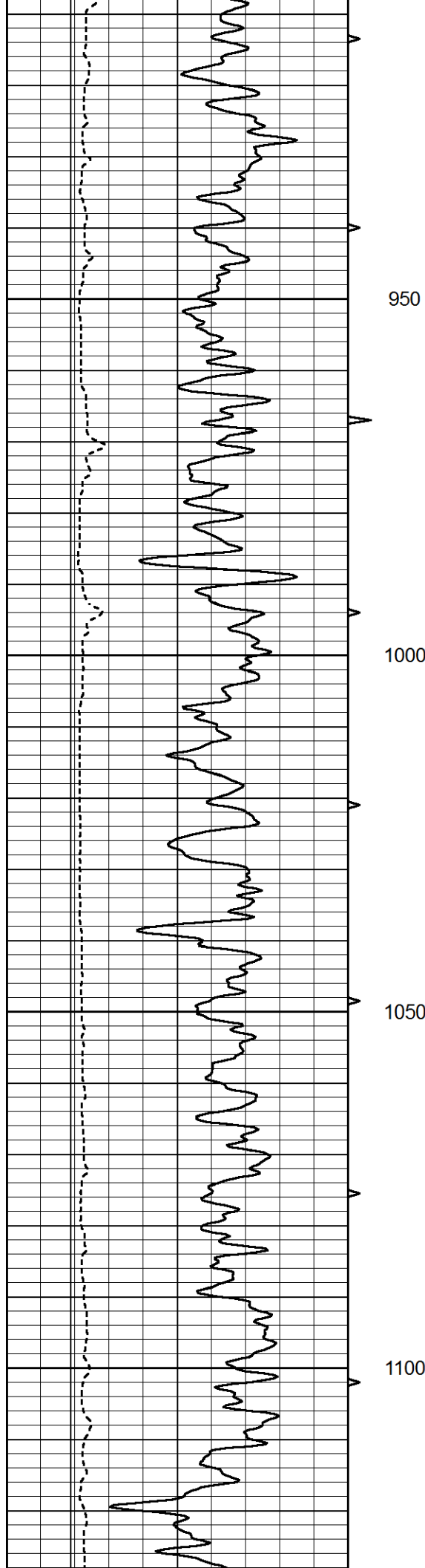
THANK YOU FOR USING NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS : SAWYER, KS. - 7 1/4 MILES EAST - NORTH INTO

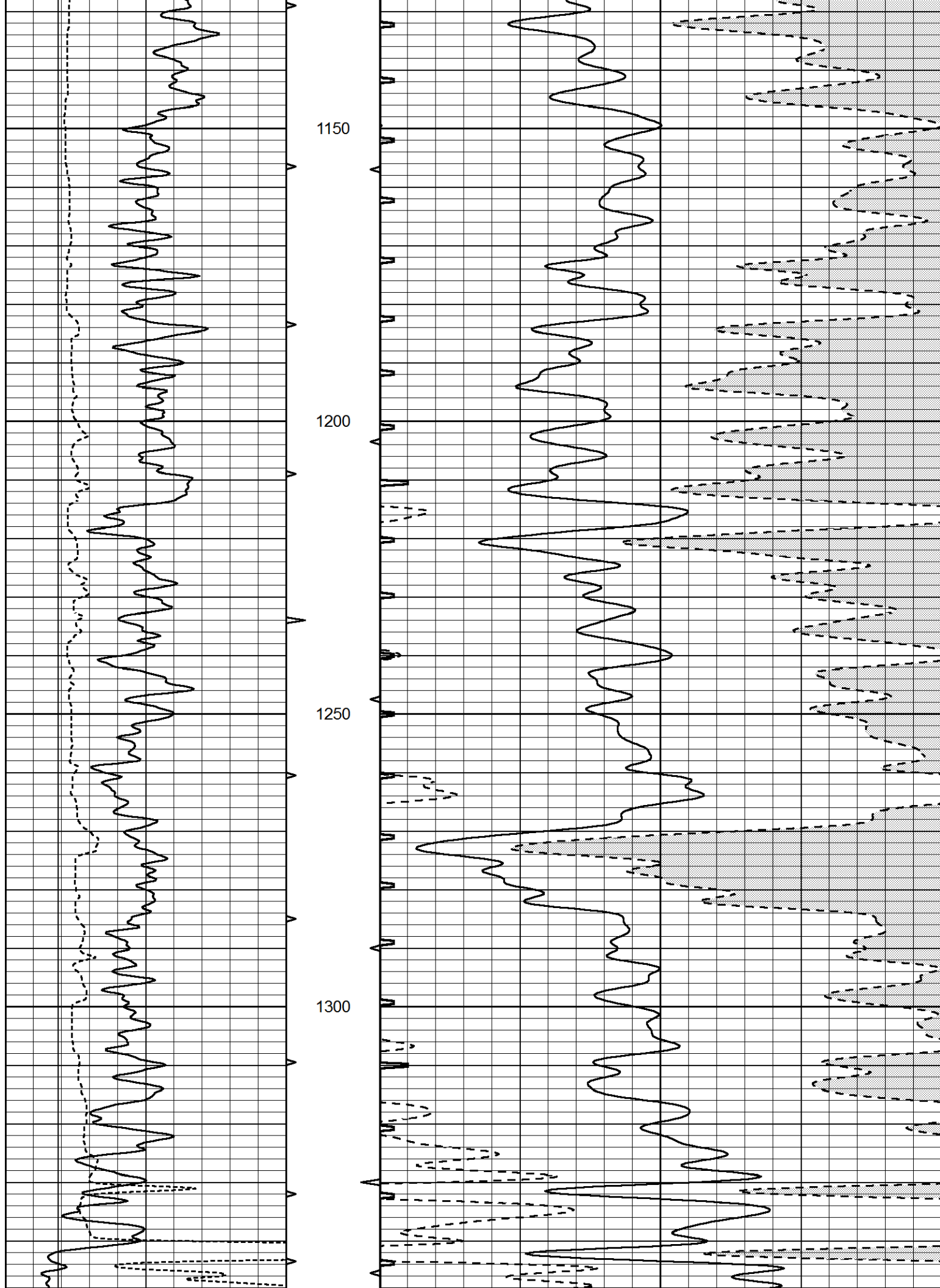
Database File 26602ddn8.db
Dataset Pathname pass6.3
Presentation Format _slt
Dataset Creation Tue Jul 28 17:19:59 2015
Charted by Depth in Feet scaled 1:240

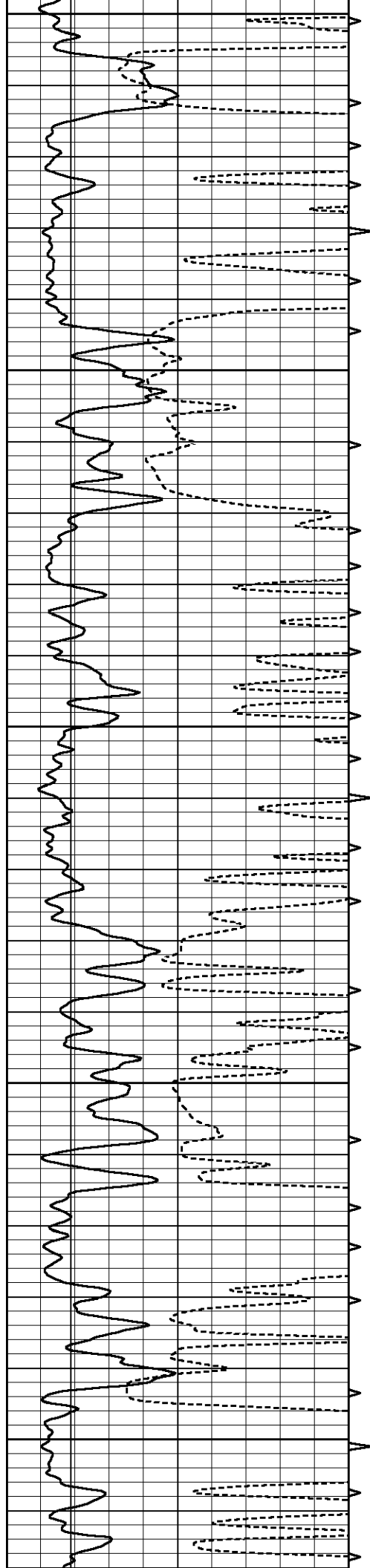












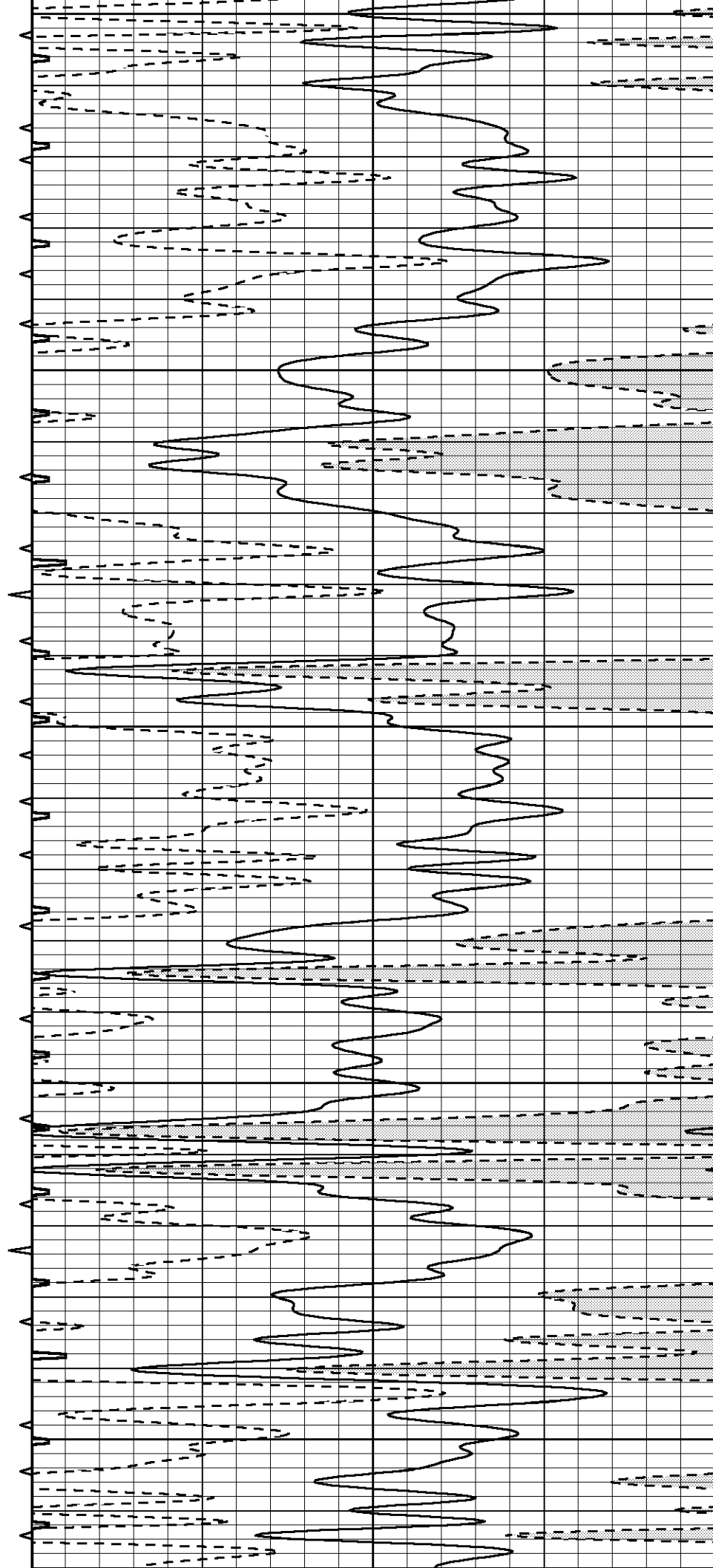
1350

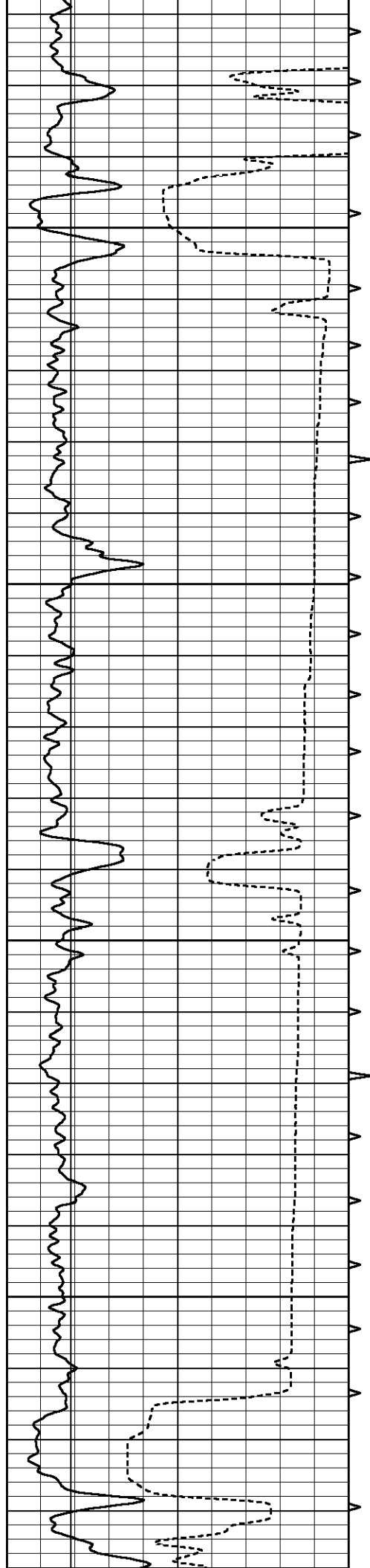
1400

1450

1500

1550



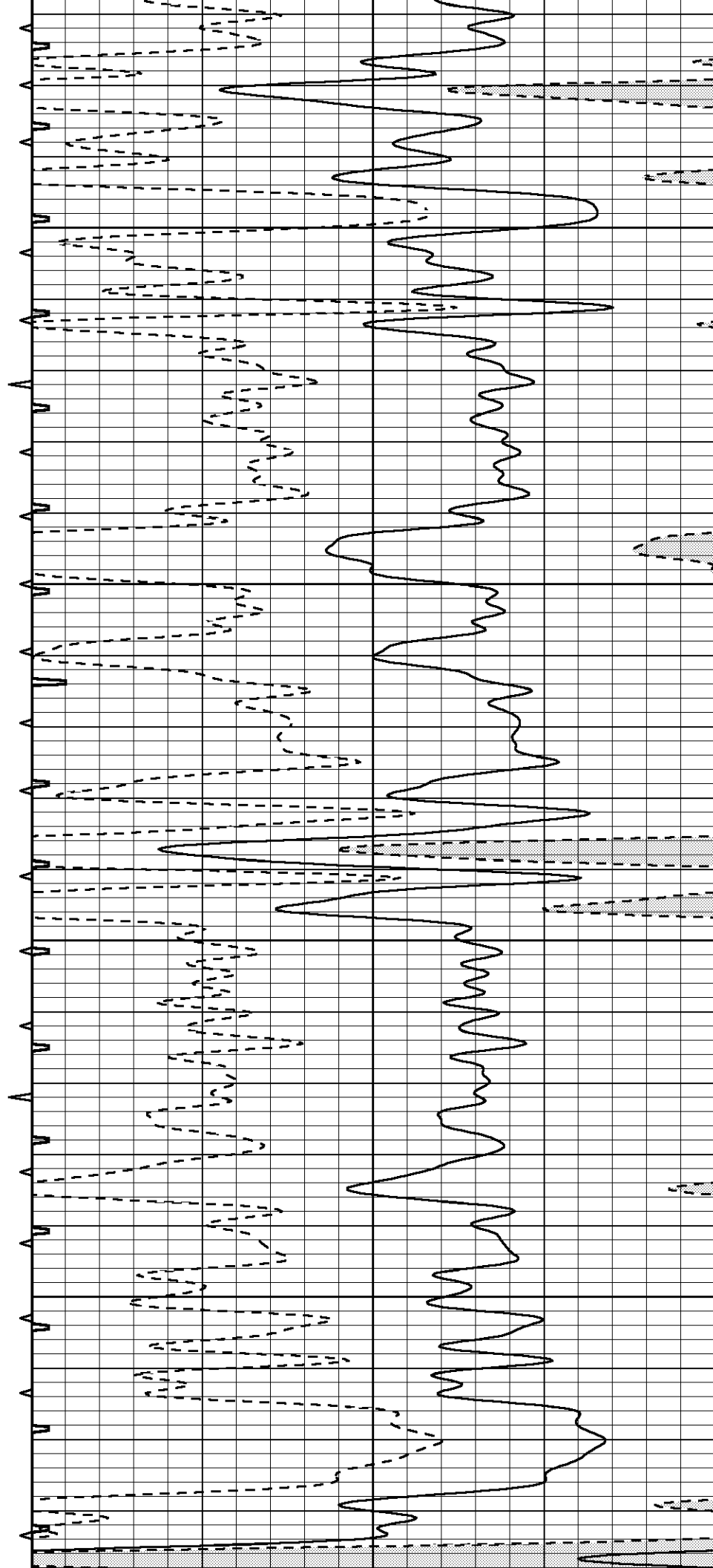


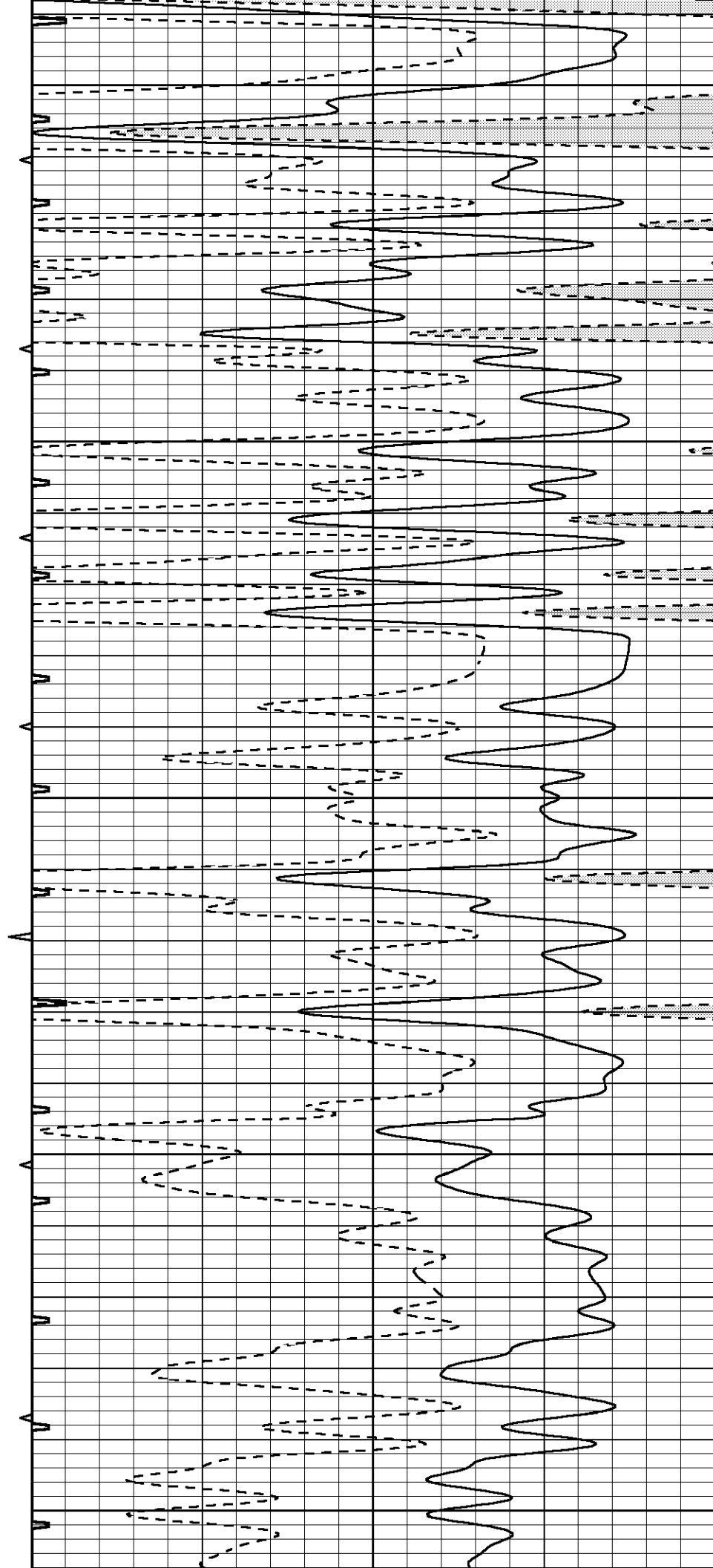
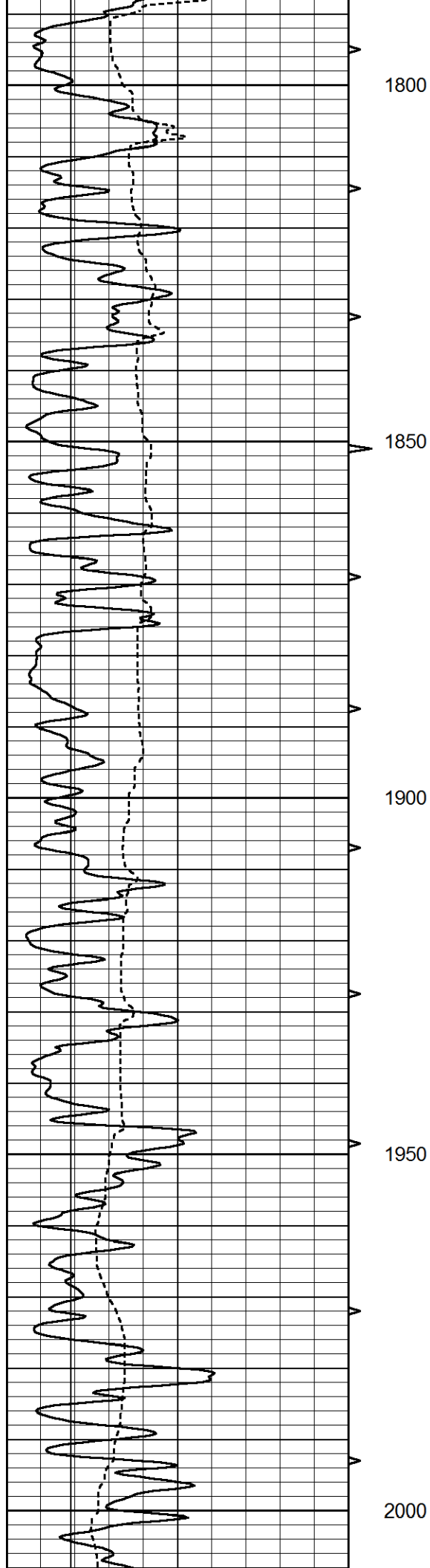
1600

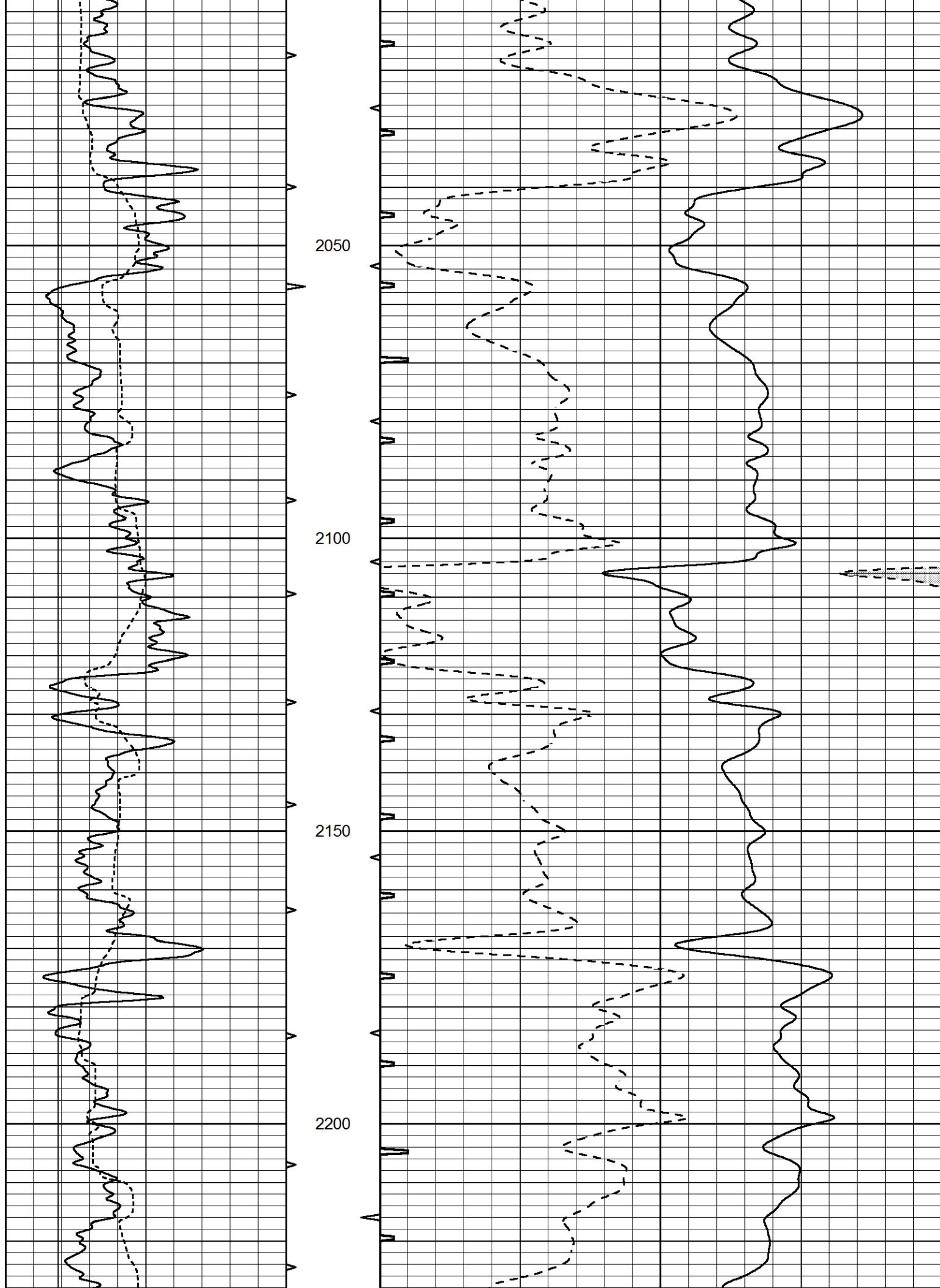
1650

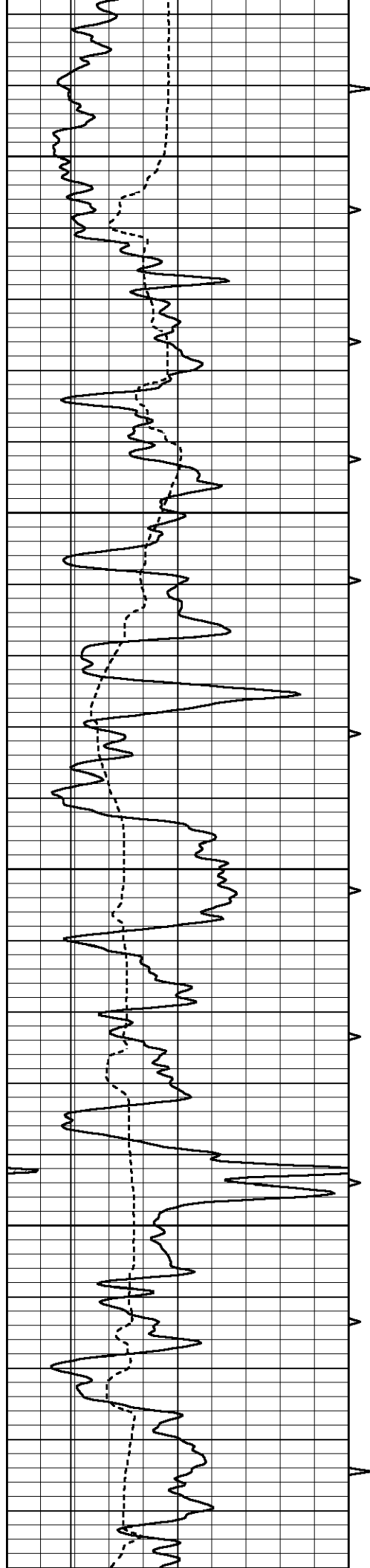
1700

1750







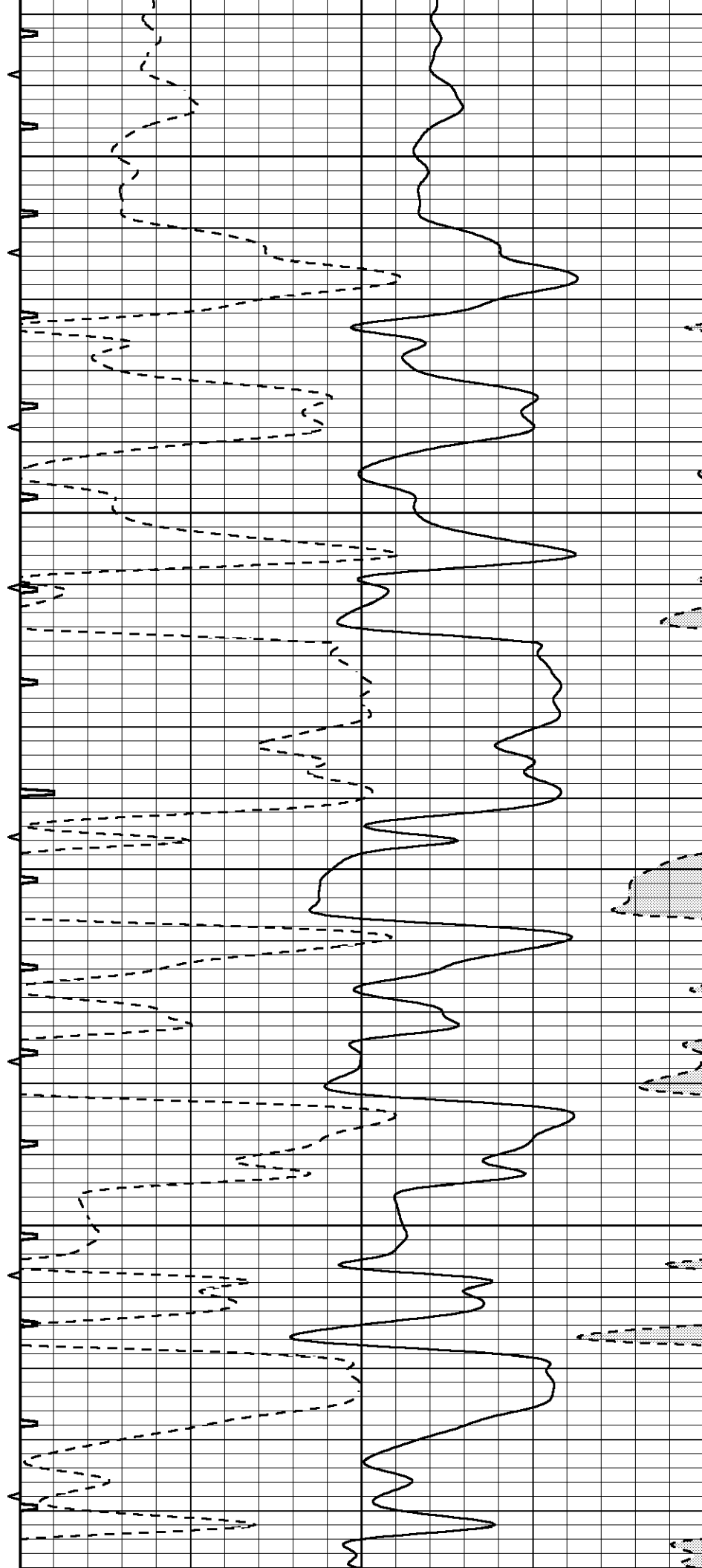


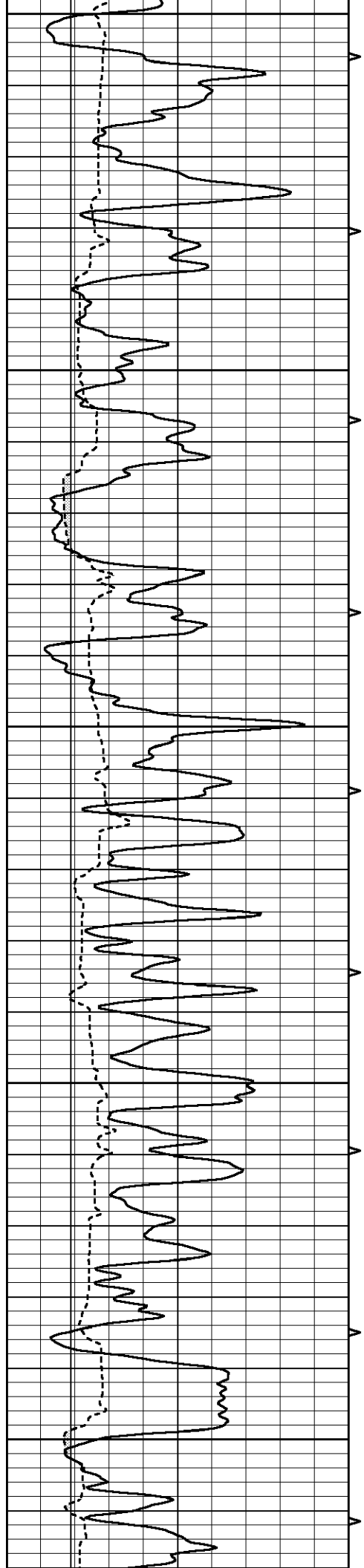
2250

2300

2350

2400





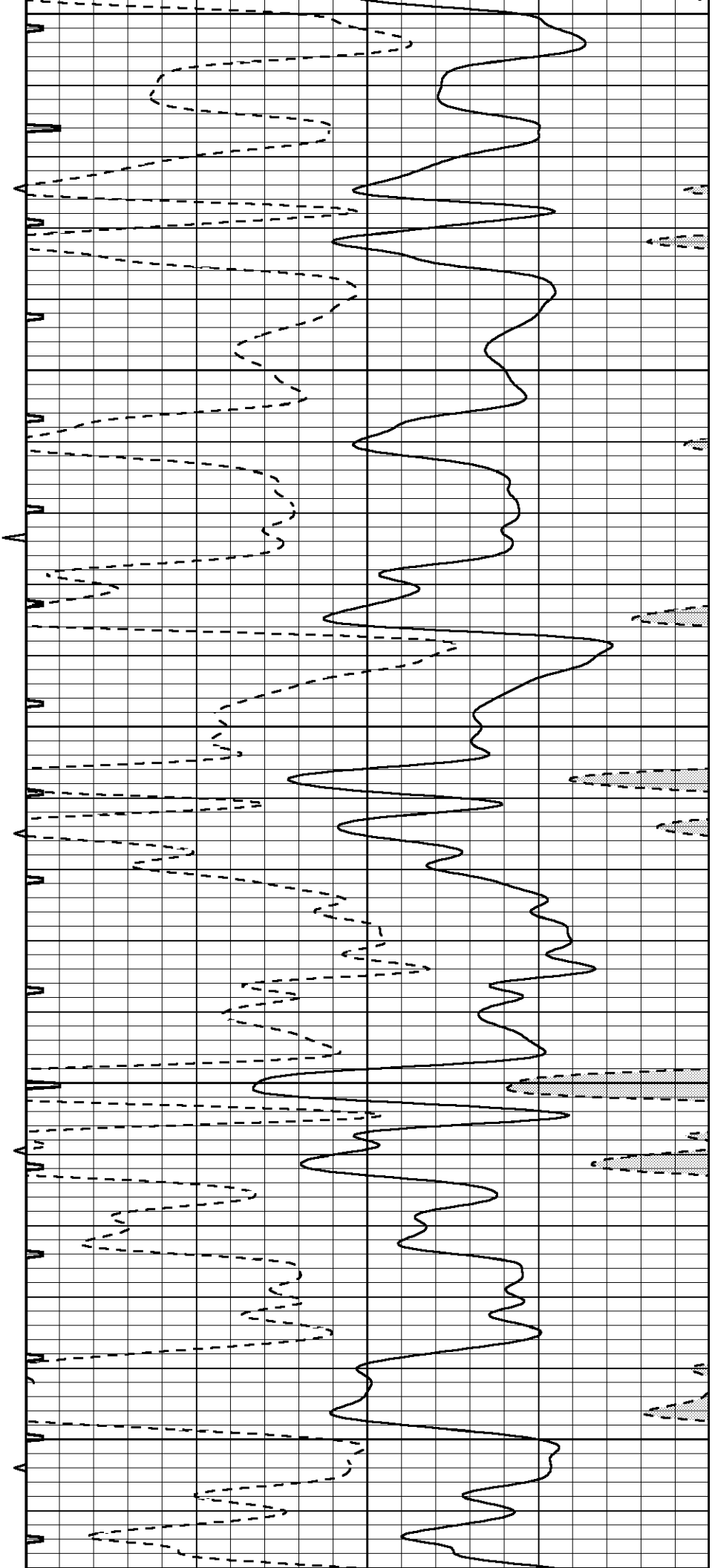
2450

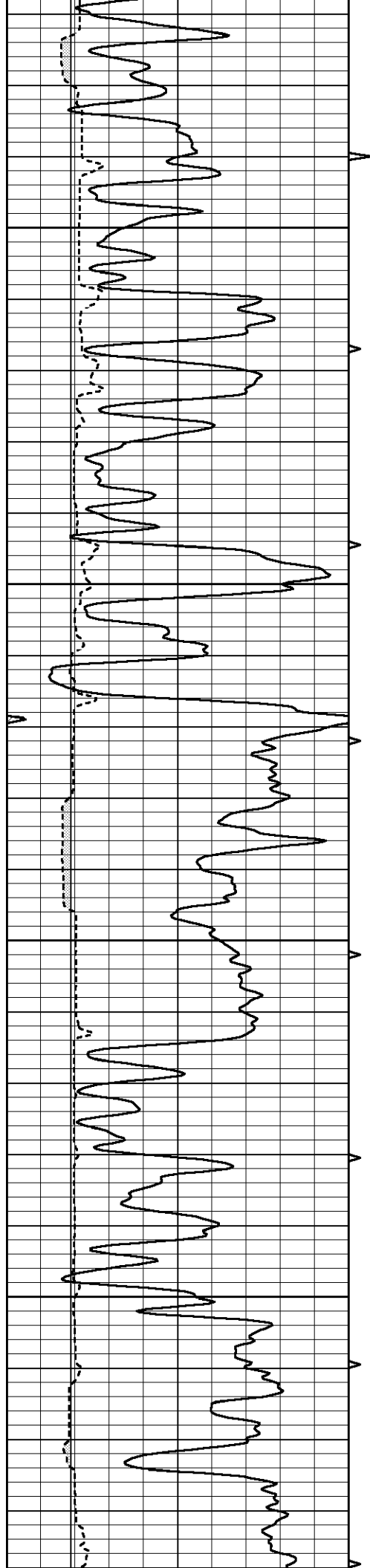
2500

2550

2600

2650



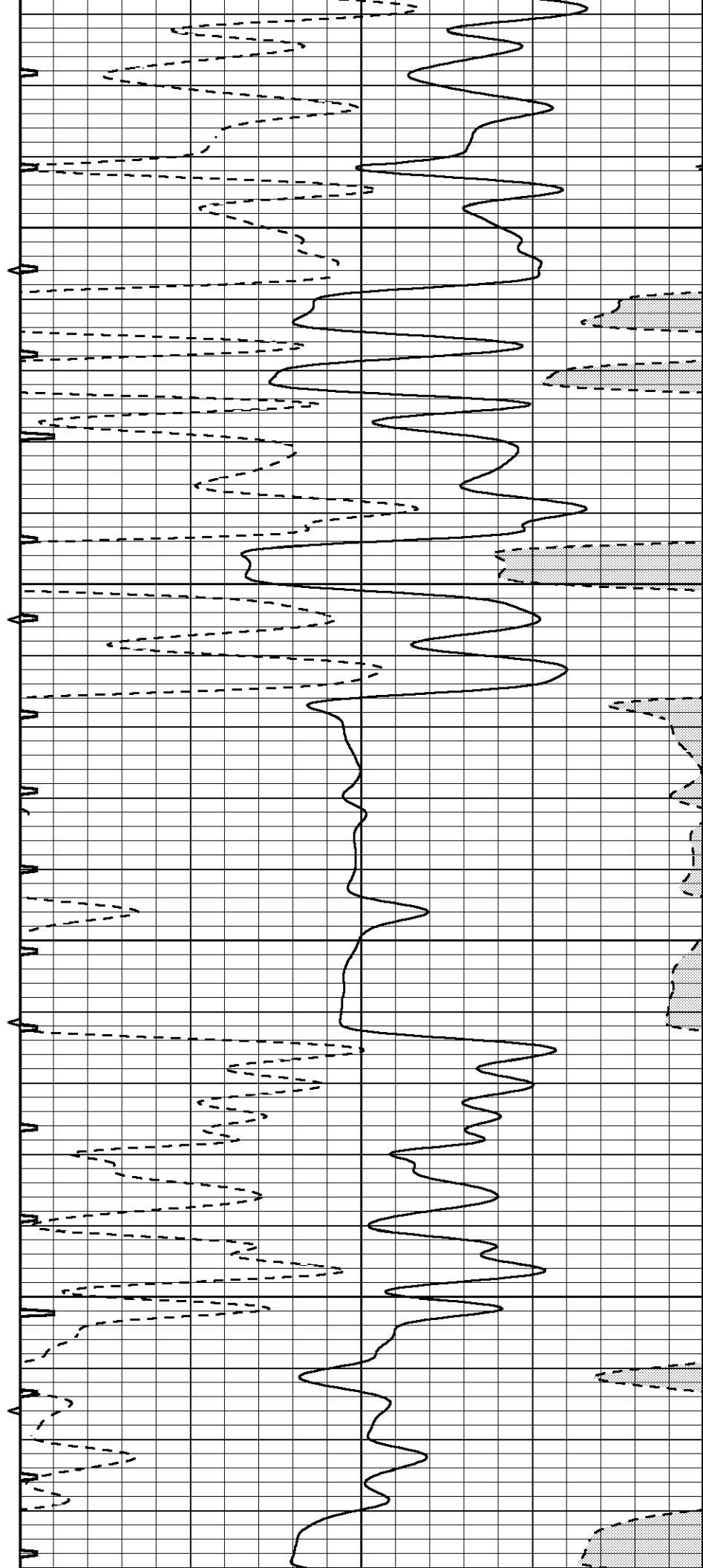


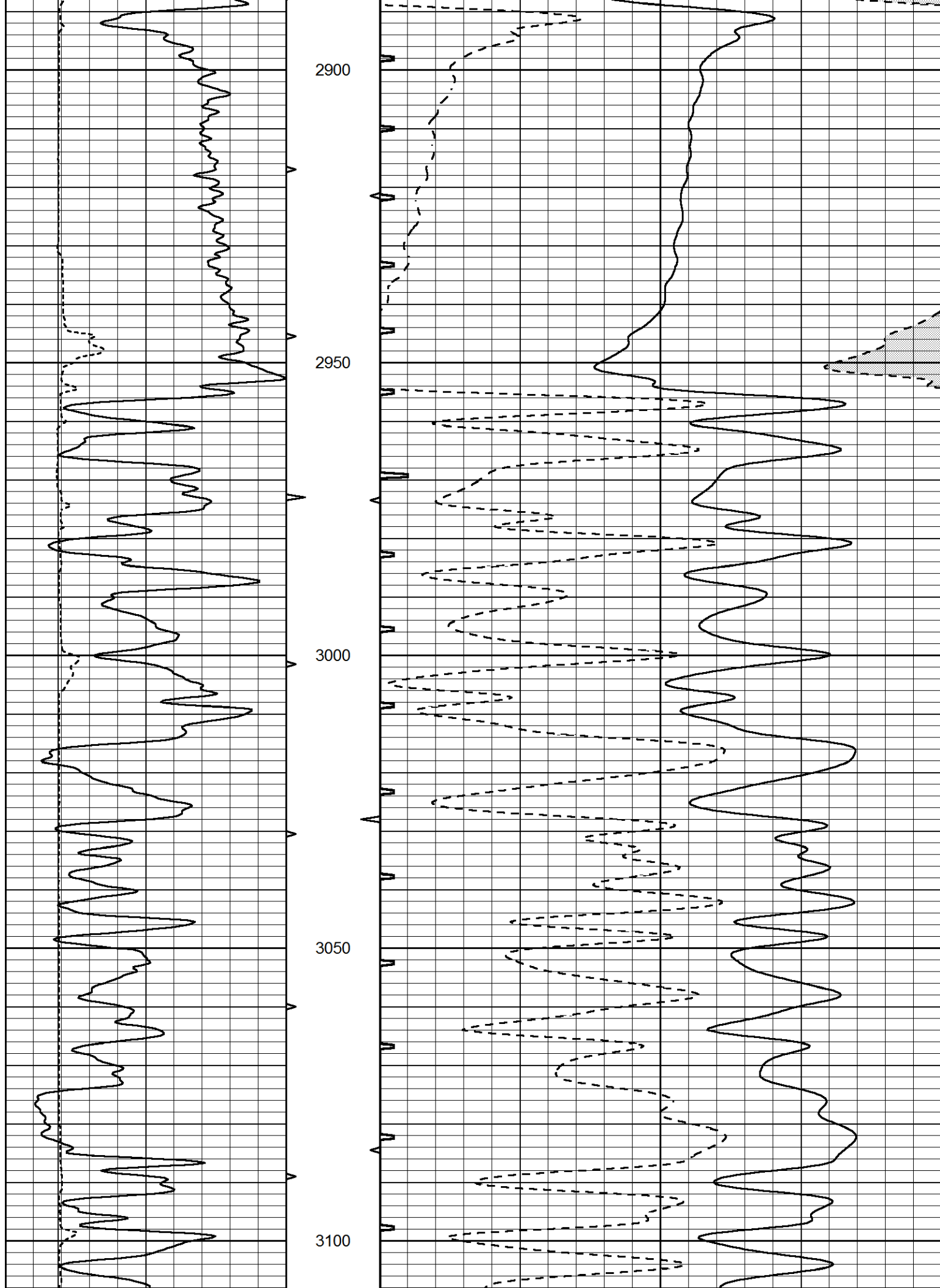
2700

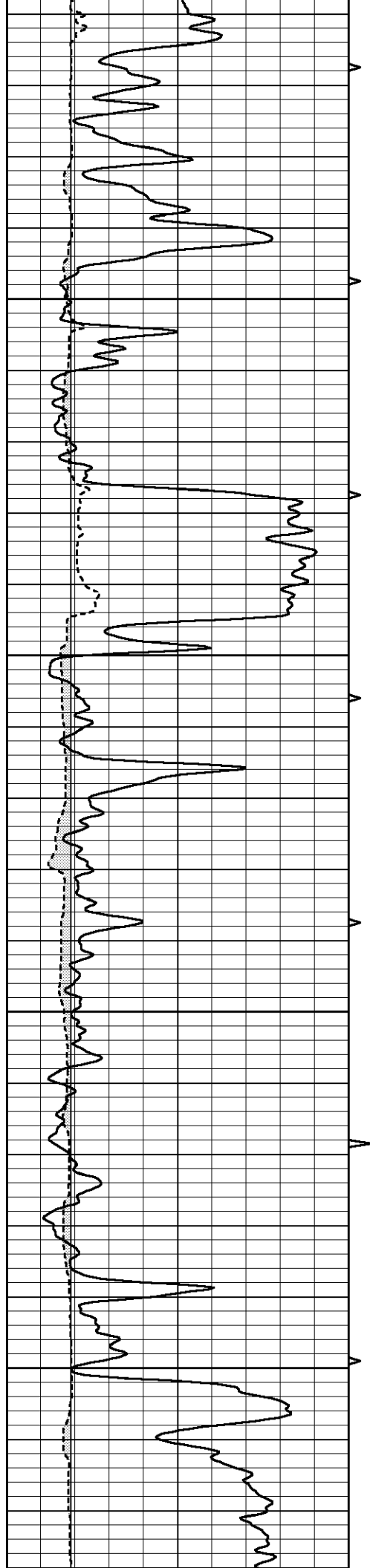
2750

2800

2850





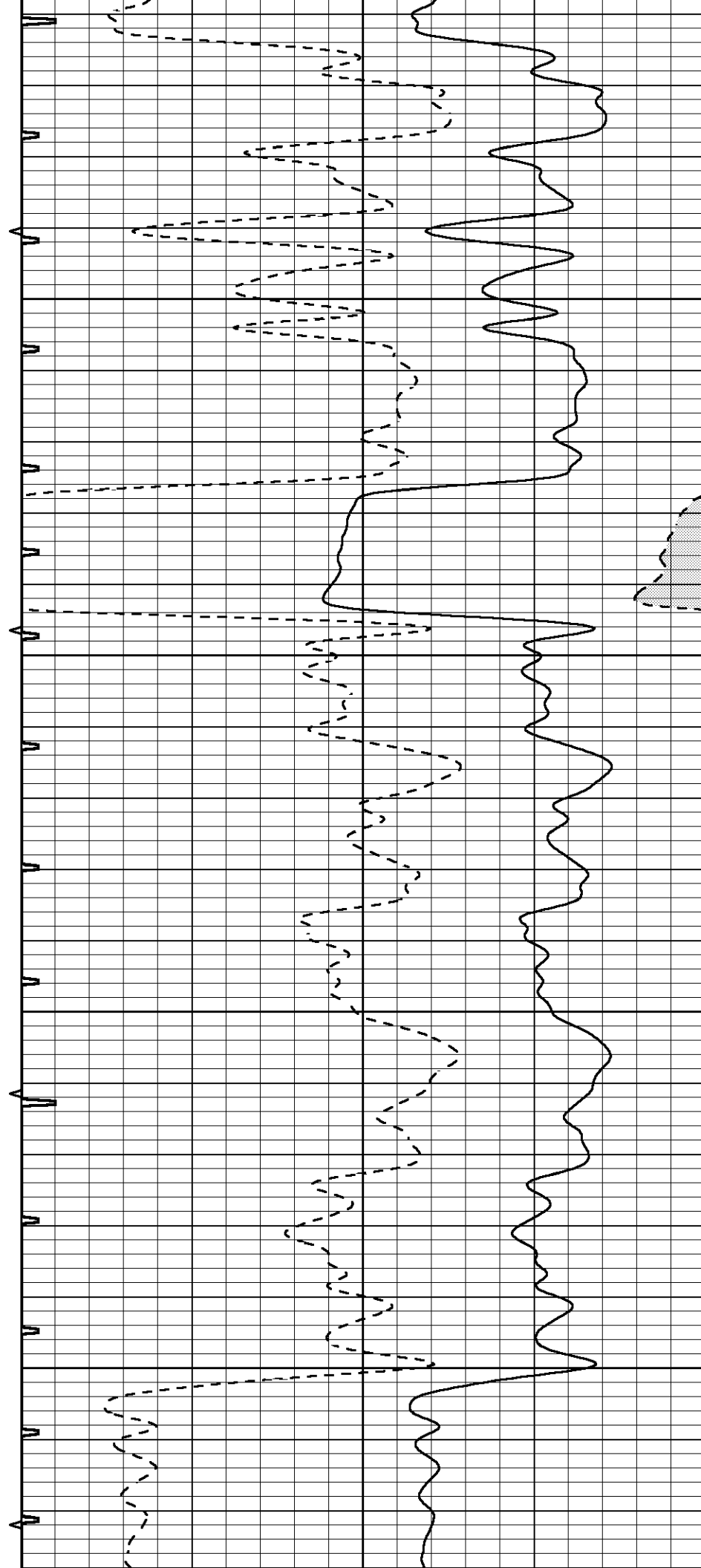


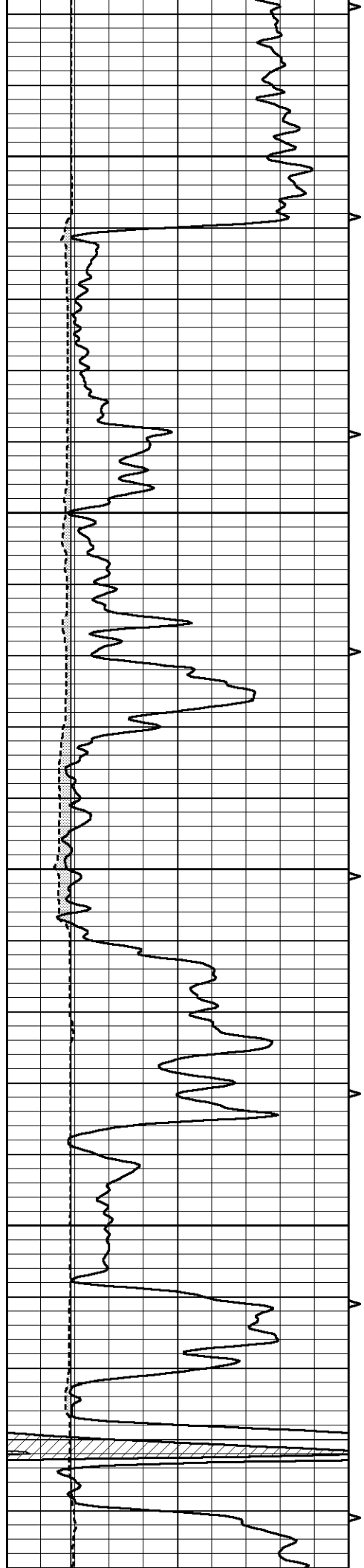
3150

3200

3250

3300



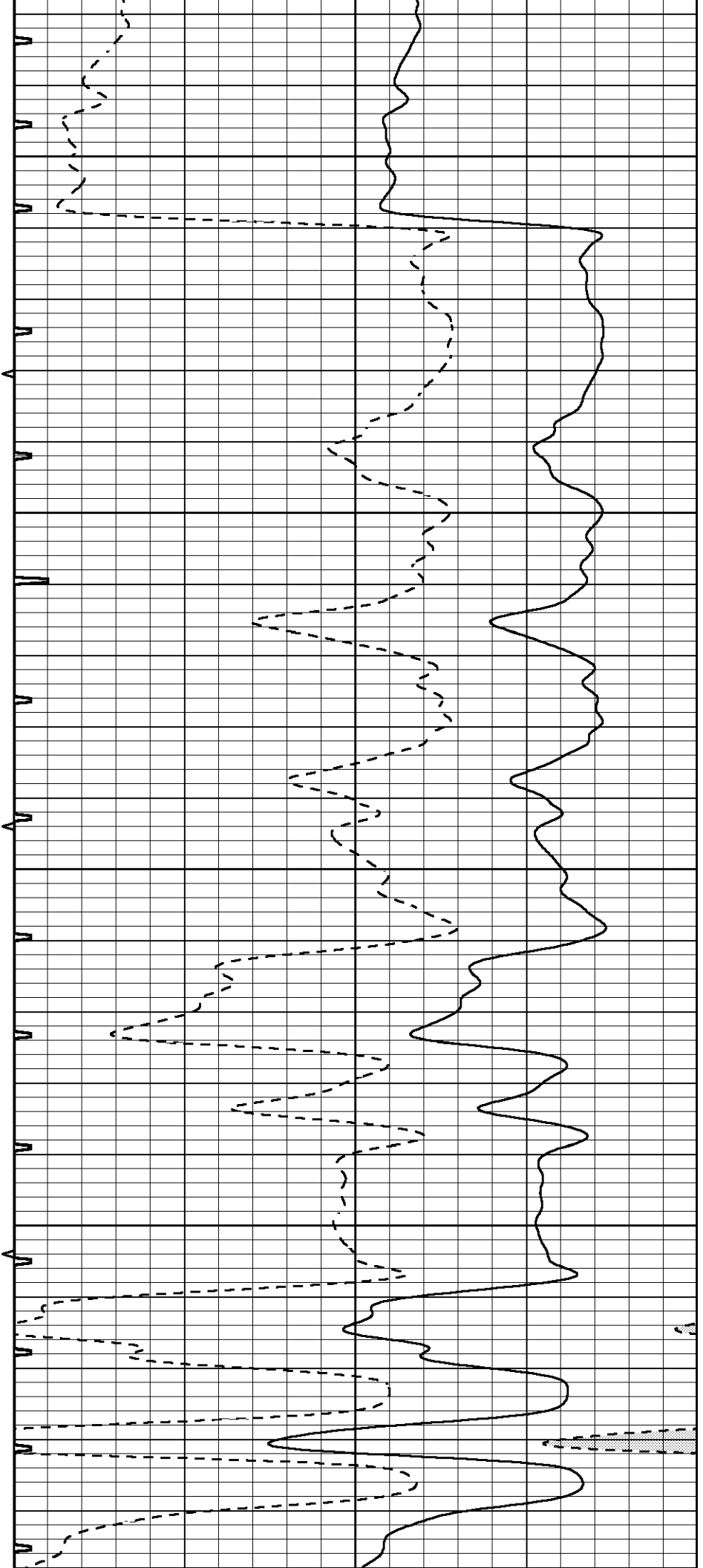


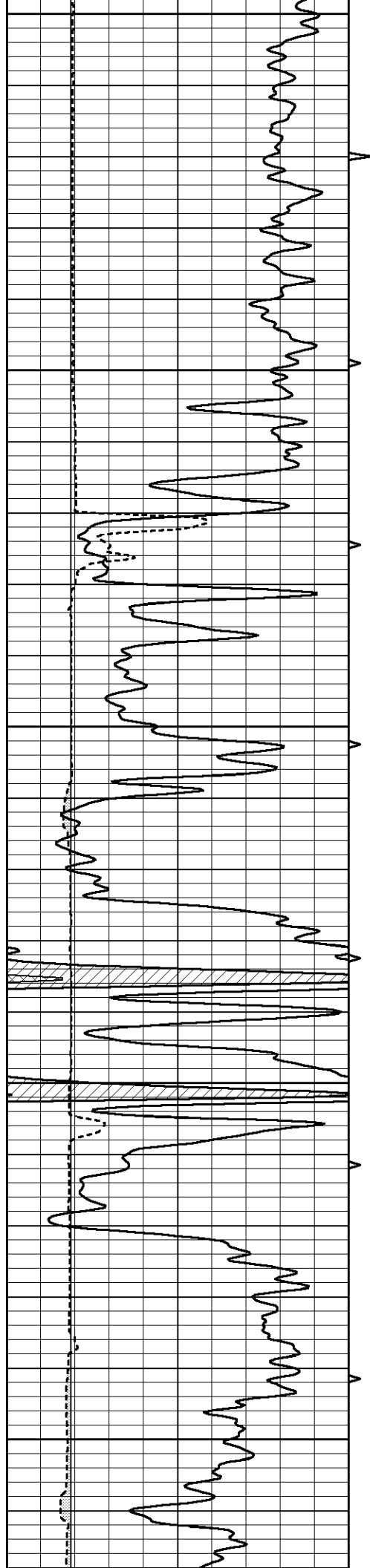
3350

3400

3450

3500





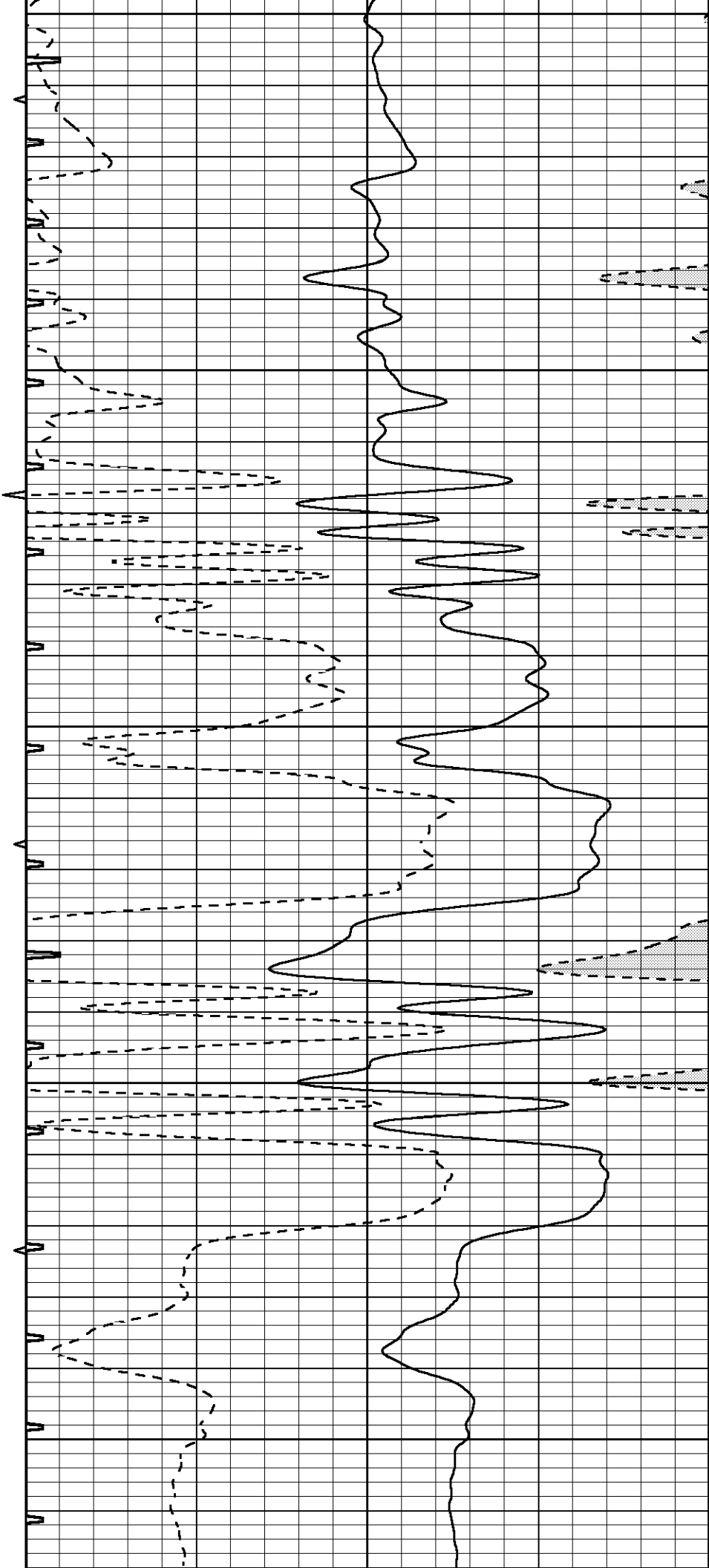
3550

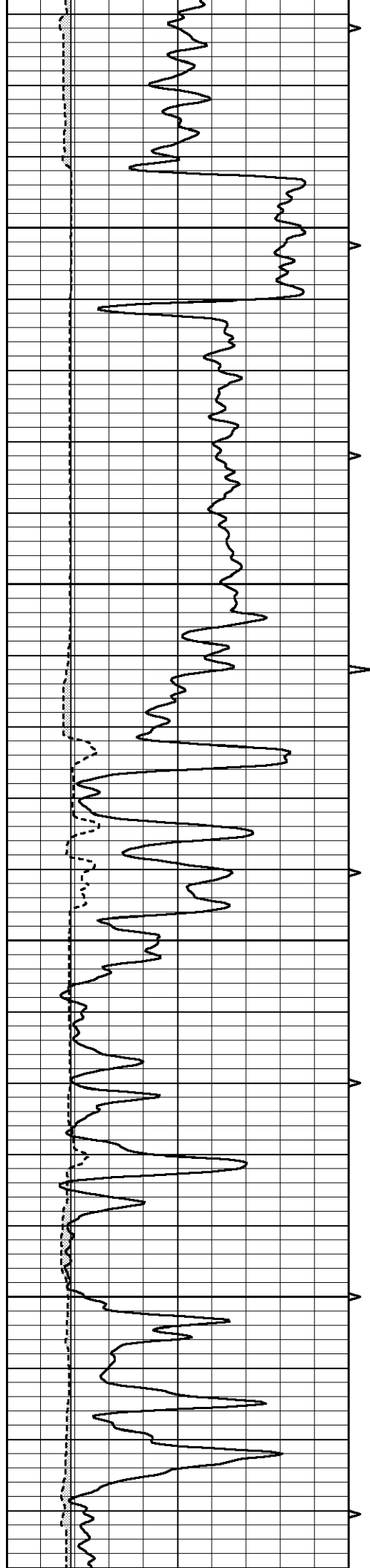
3600

3650

3700

3750



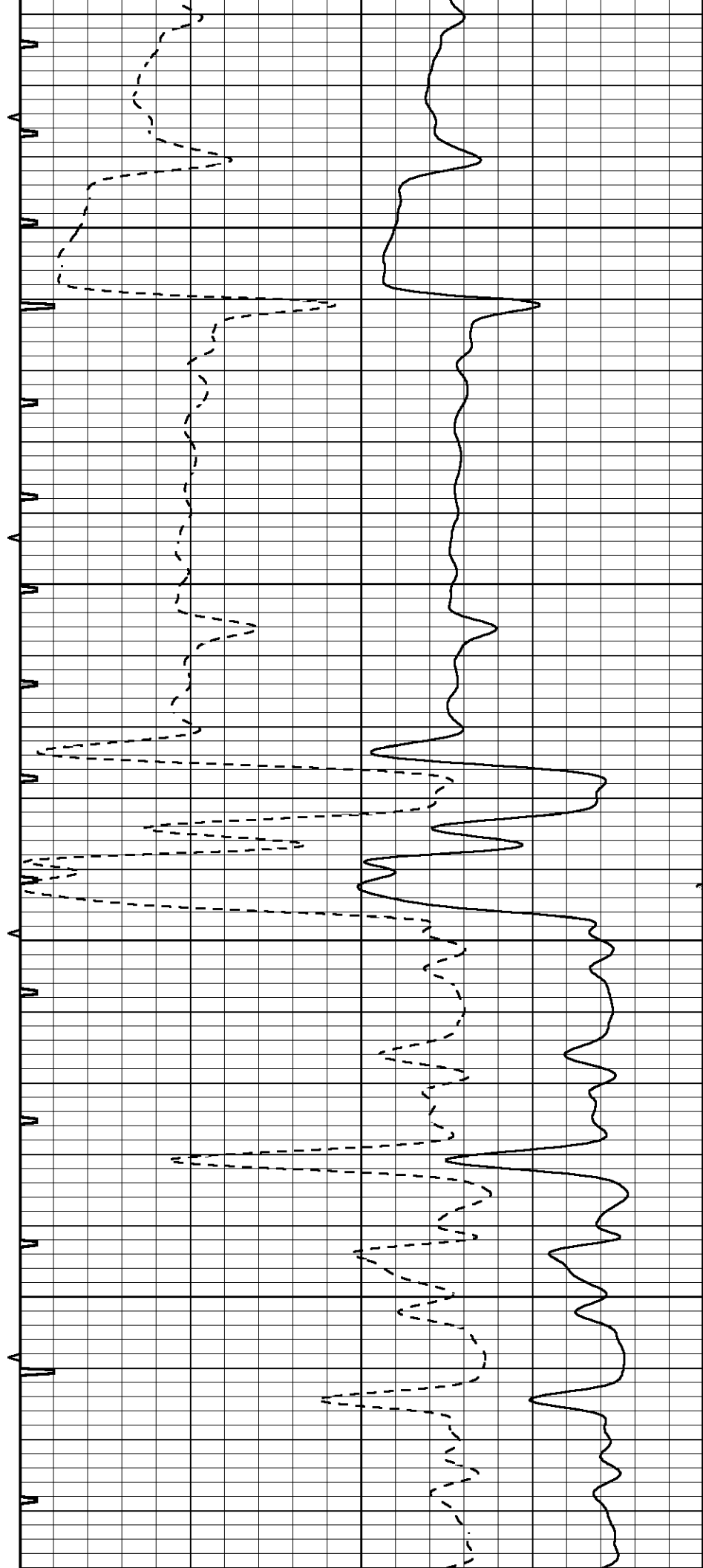


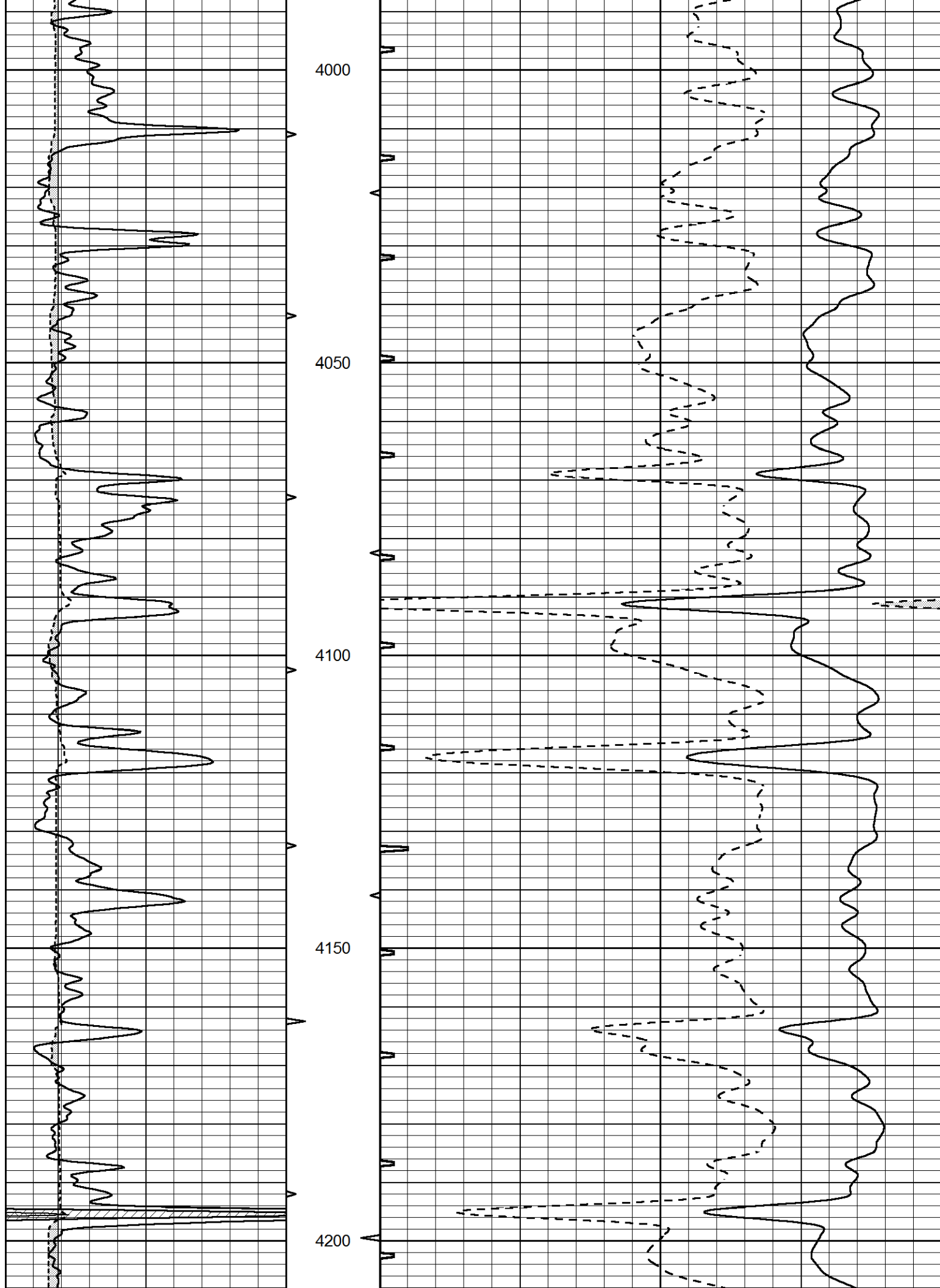
3800

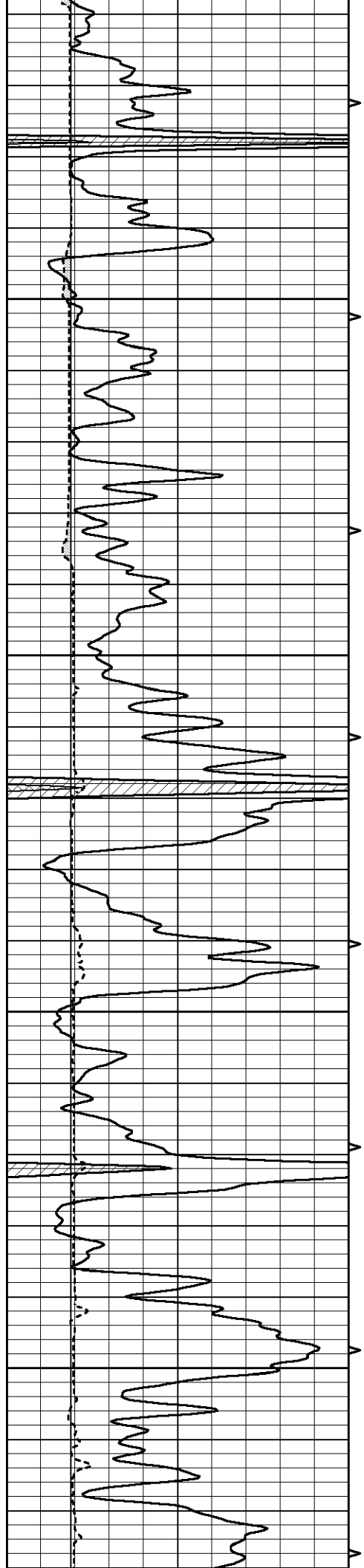
3850

3900

3950





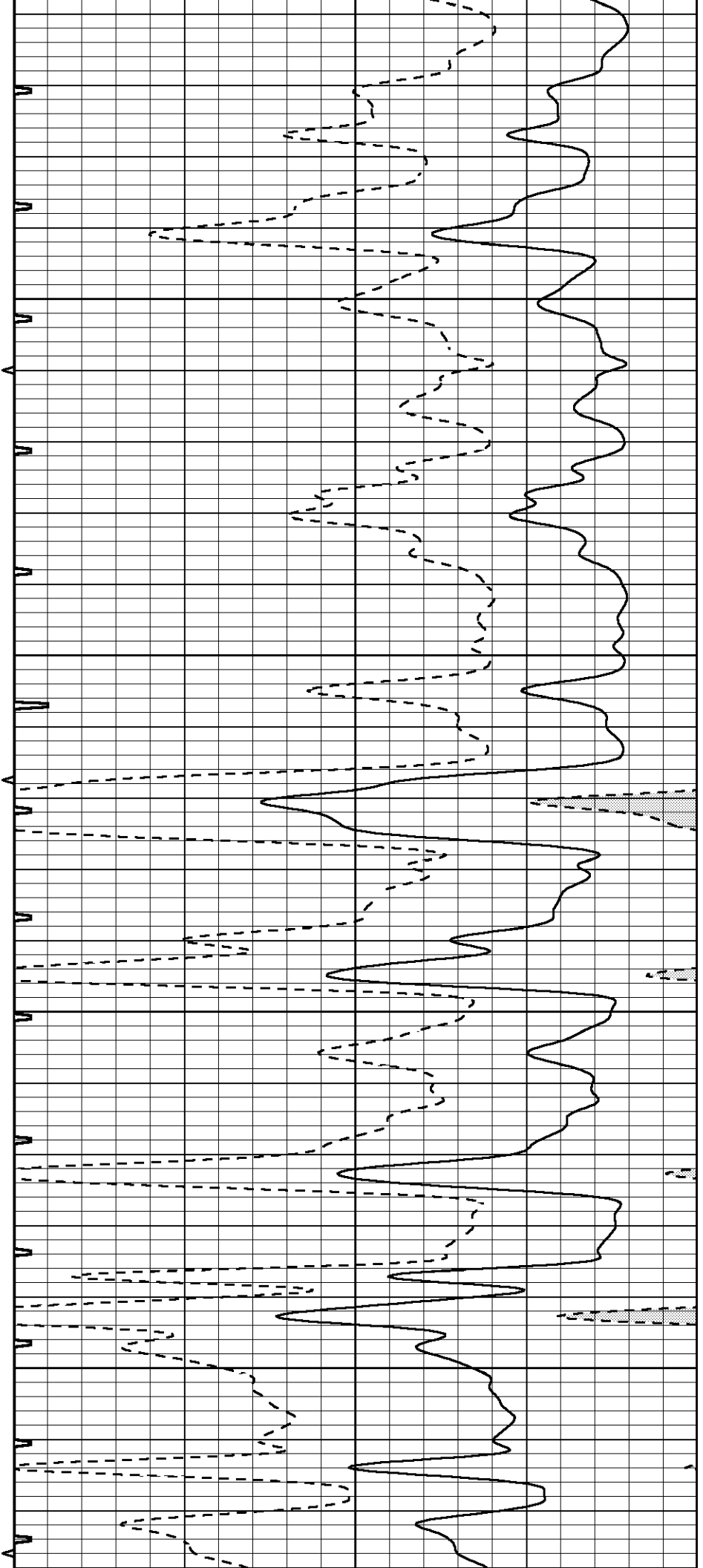


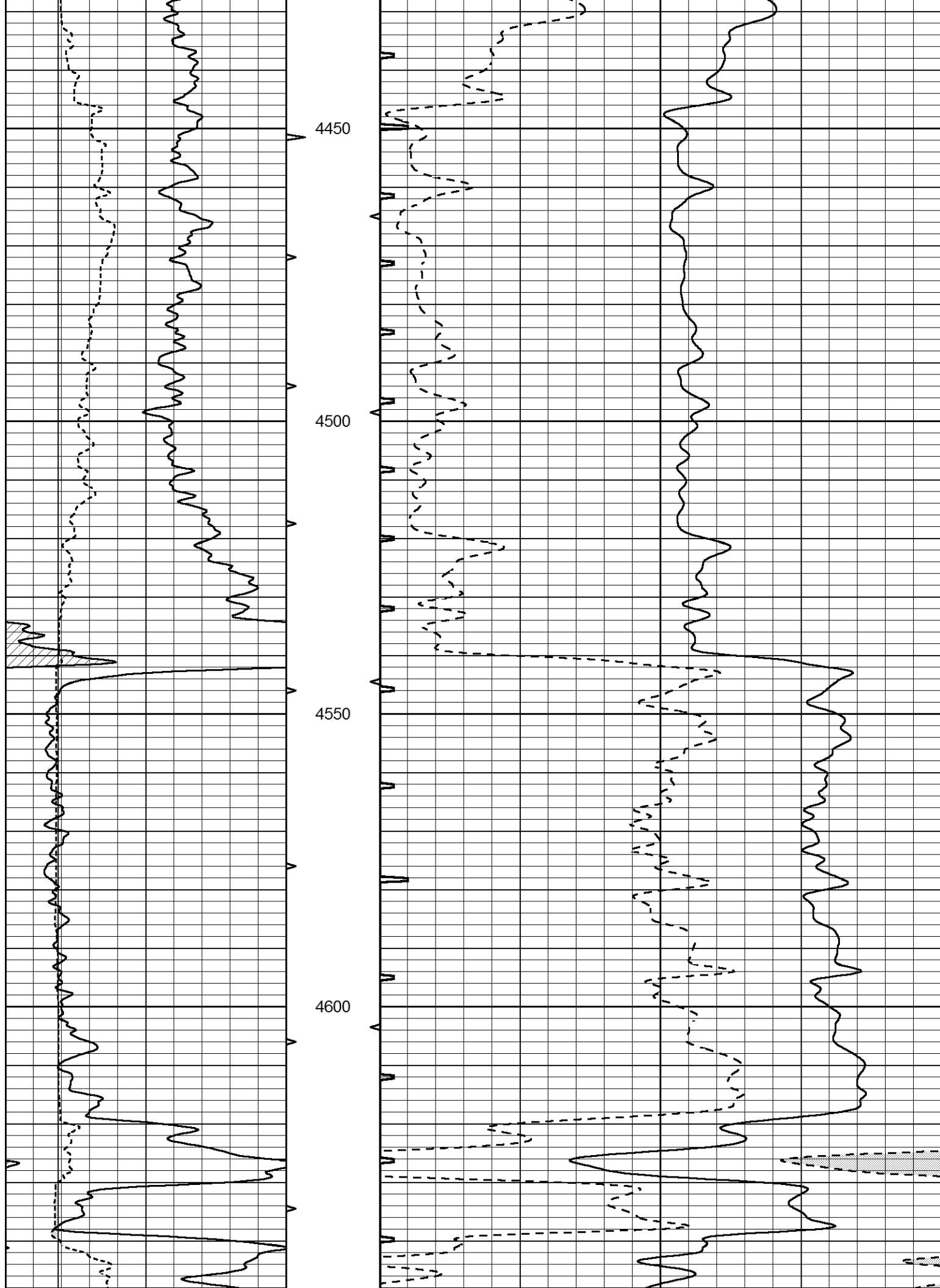
4250

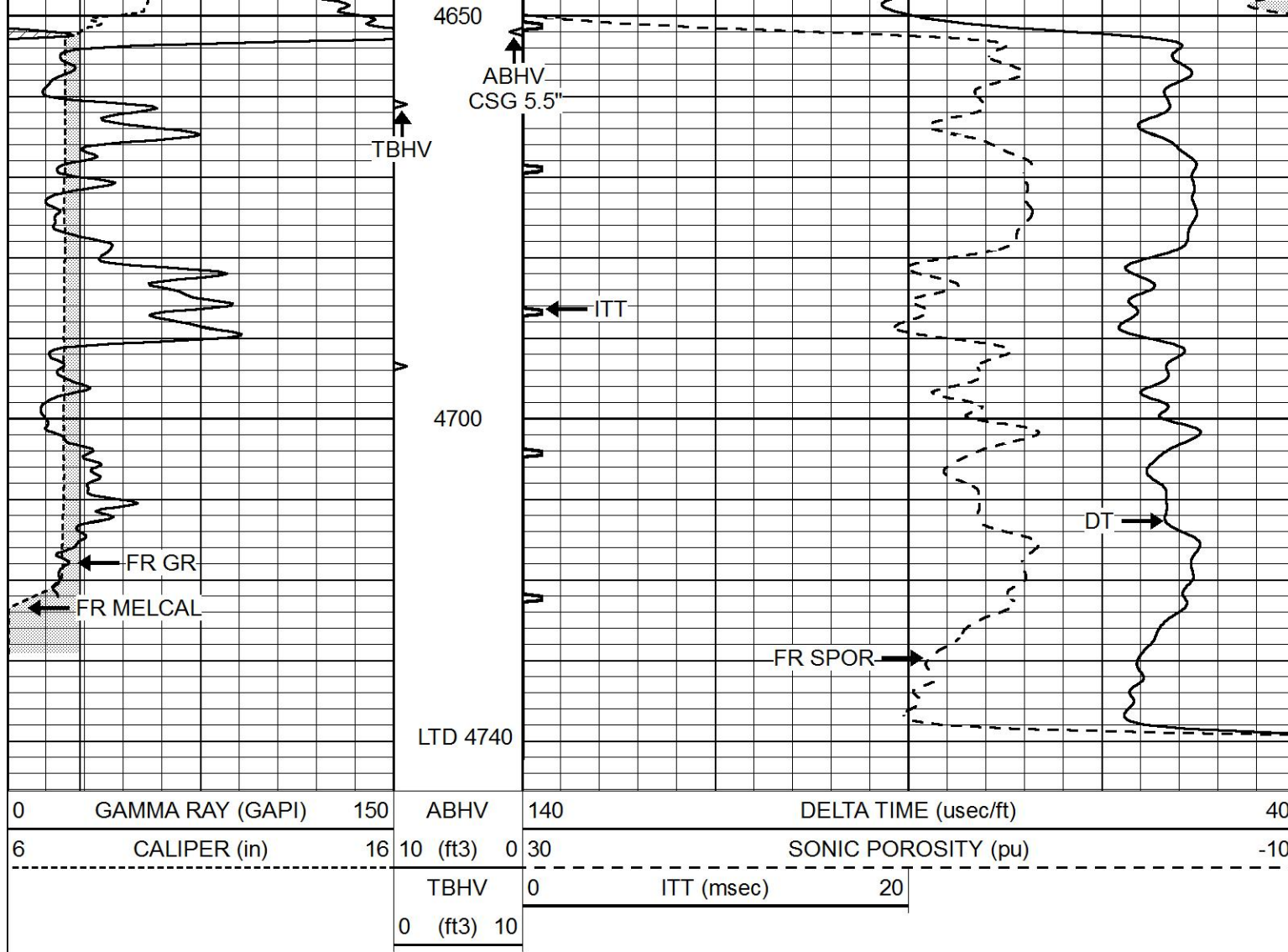
4300

4350

4400

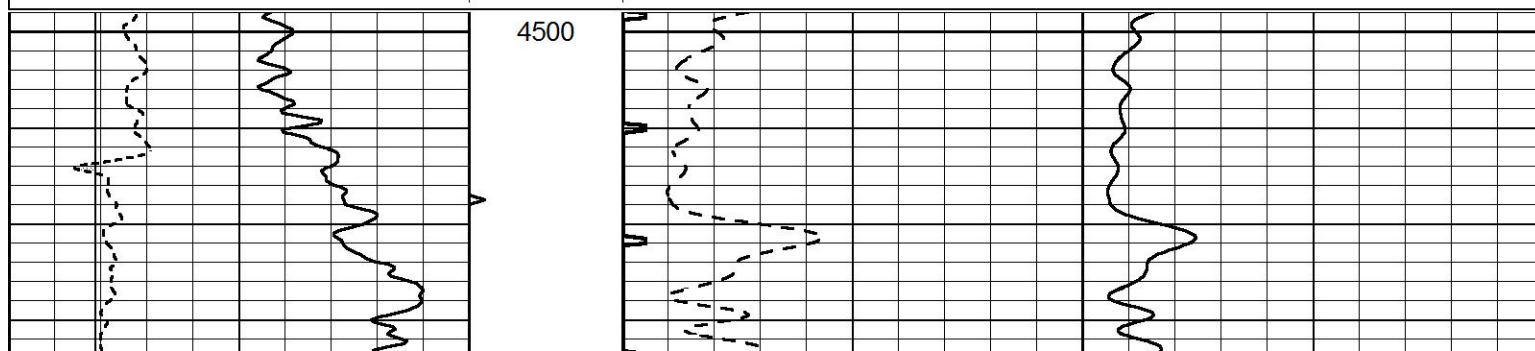
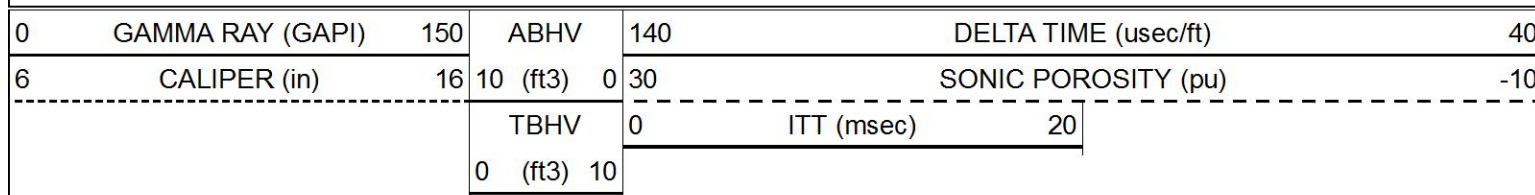


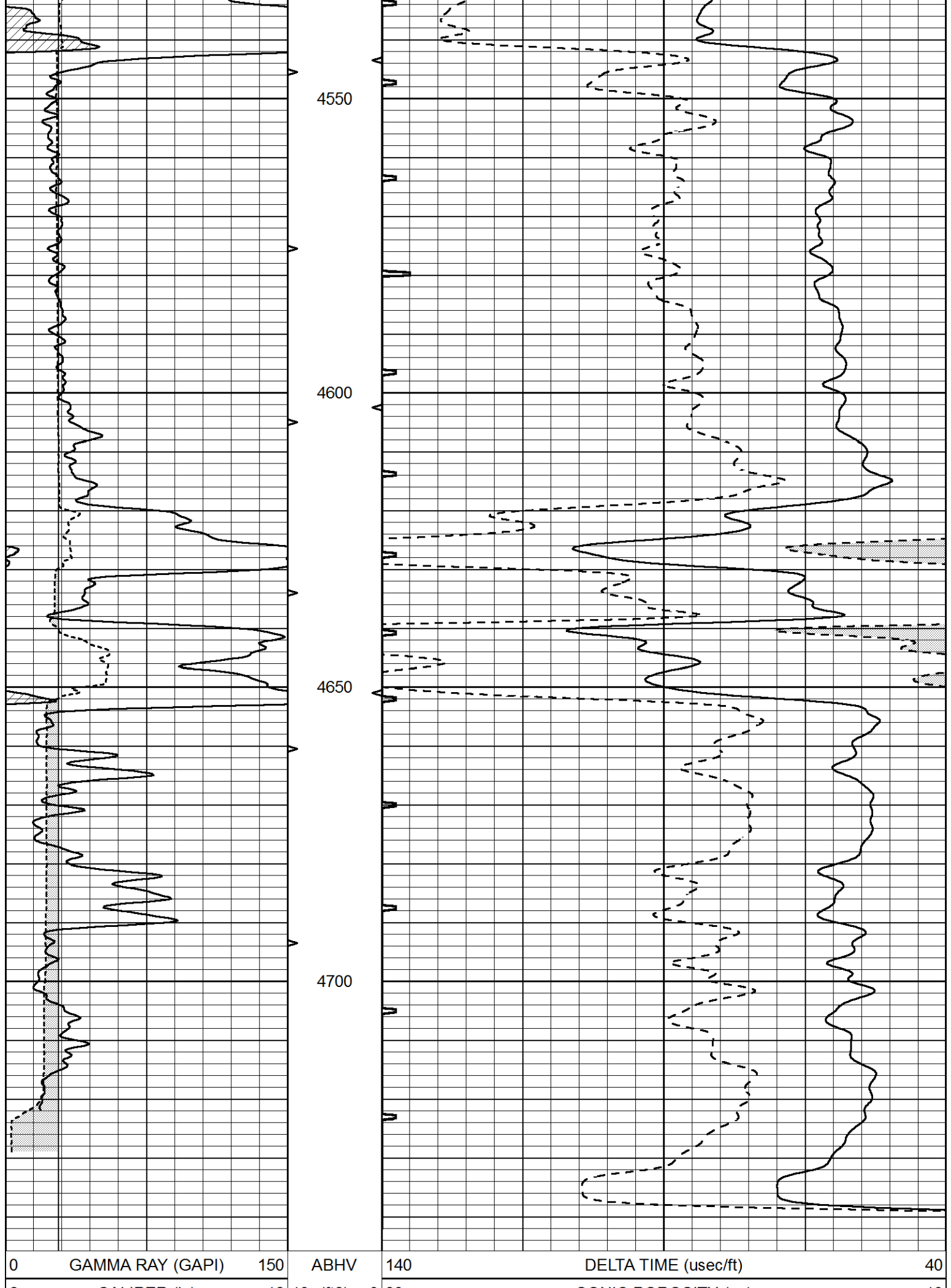




REPEAT SECTION

Database File 26602ddn8.db
 Dataset Pathname pass5.1
 Presentation Format _slt
 Dataset Creation Tue Jul 28 15:49:47 2015
 Charted by Depth in Feet scaled 1:240





0		CALIBER (in)		10	10 (ft3)	0	50	SONIC PROSPECT (psi)		-10
		TBHV		0		ITT (msec)		20		
		0 (ft3)		10						