



**BOREHOLE
COMPENSATED
SONIC
LOG**

Company Palomino Petroleum
 Well Whipple #1
 Field Manteno Southwest
 County Ness
 State Kansas

Company Palomino Petroleum
 Well Whipple #1
 Field Manteno Southwest
 County Ness State Kansas

Location: API #: 15 135 25529
 2543' FSL & 1393' FEL
 SEC 1 TWP 20S RGE 26W
 Permanent Datum Ground Level Elevation 2554'
 Log Measured From KB 10' AGL
 Drilling Measured From KB
 Other Services
 DIL
 CDNL
 Elevation
 K.B. 2564'
 D.F. 2563'
 G.L. 2554'

Date	2-3-13
Run Number	Two
Depth Driller	4650'
Depth Logger	4651'
Bottom Logged Interval	4649'
Top Log Interval	200'
Casing Driller	8 5/8" @ 222'
Casing Logger	222'
Bit Size	7 7/8"
Type Fluid in Hole	Chemical
Density / Viscosity	9.4/45
pH / Fluid Loss	10.0/8.8
Source of Sample	Pit
Rm @ Meas. Temp	2@65degf
Rmf @ Meas. Temp	1.5@65degf
Rmc @ Meas. Temp	2.4@65degf
Source of Rmf / Rmc	Calculated
Rm @ BHT	1.14@114degf
Time Circulation Stopped	11:45 p.m.
Time Logger on Bottom	4:30 a.m.
Maximum Recorded Temperature	114degf
Equipment Number	T045
Location	Hays, KS
Recorded By	Gus Pfannenstiel
Witnessed By	Mr. Ryan Seib

<<< 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.

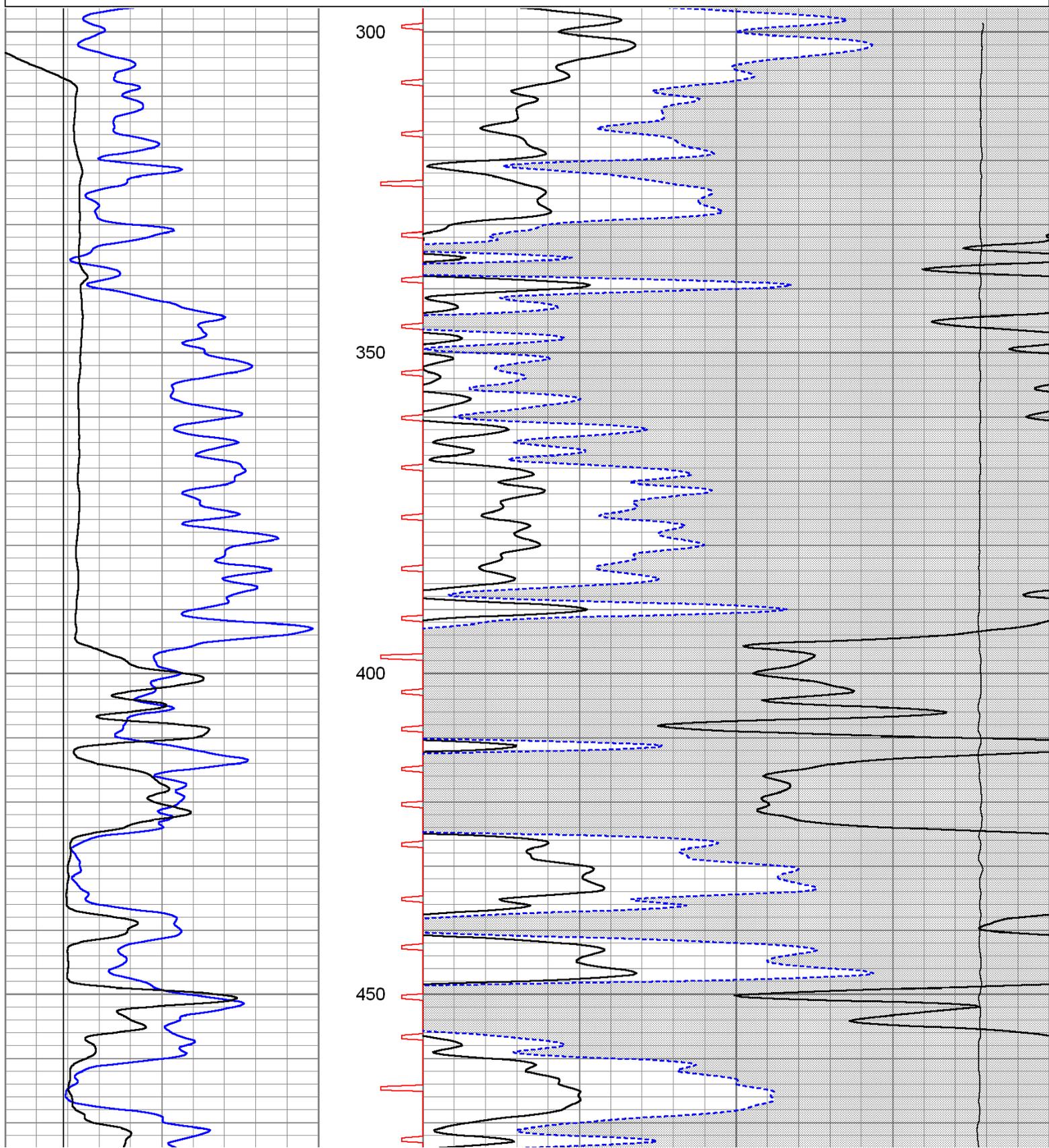
Comments

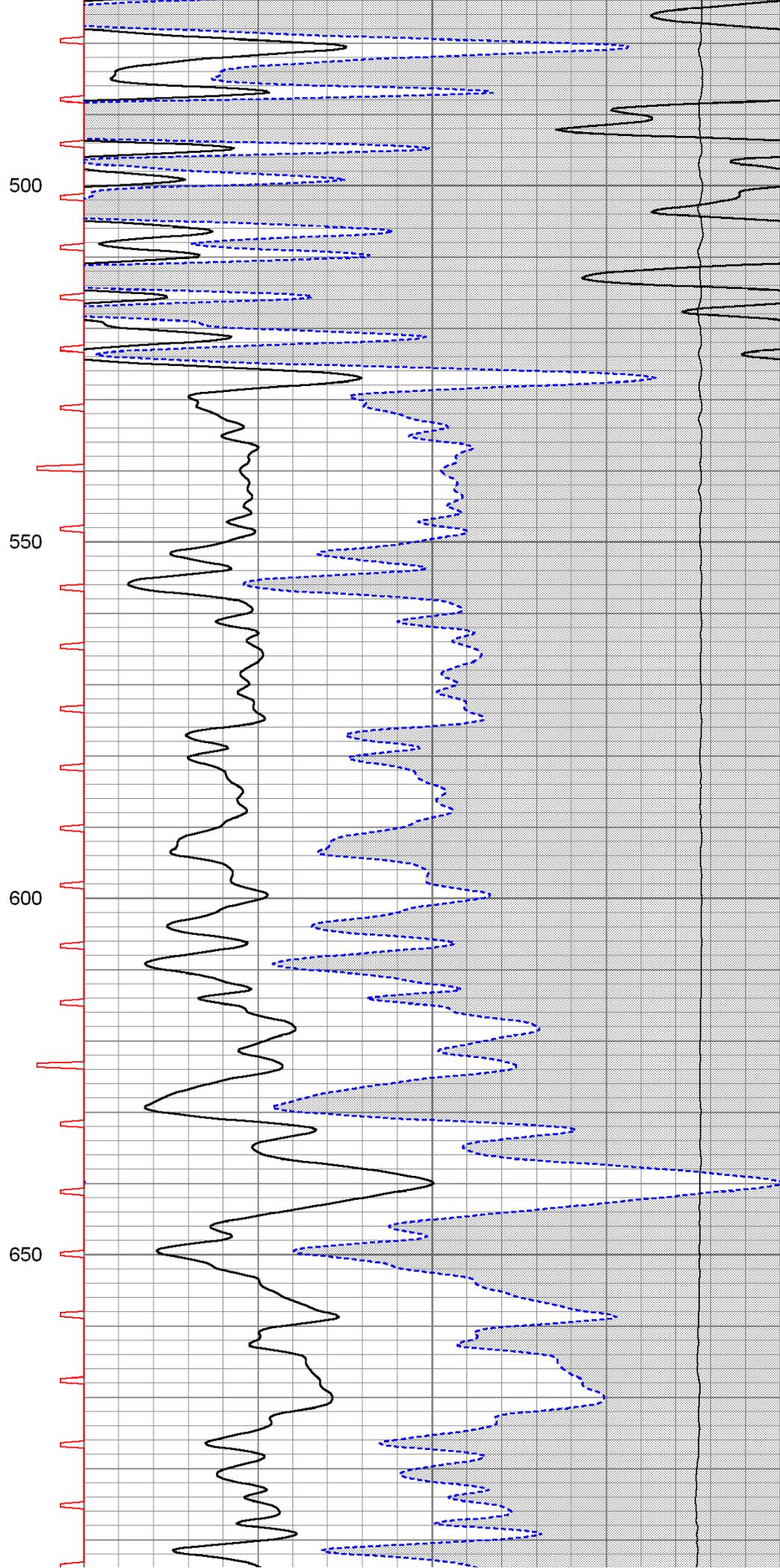
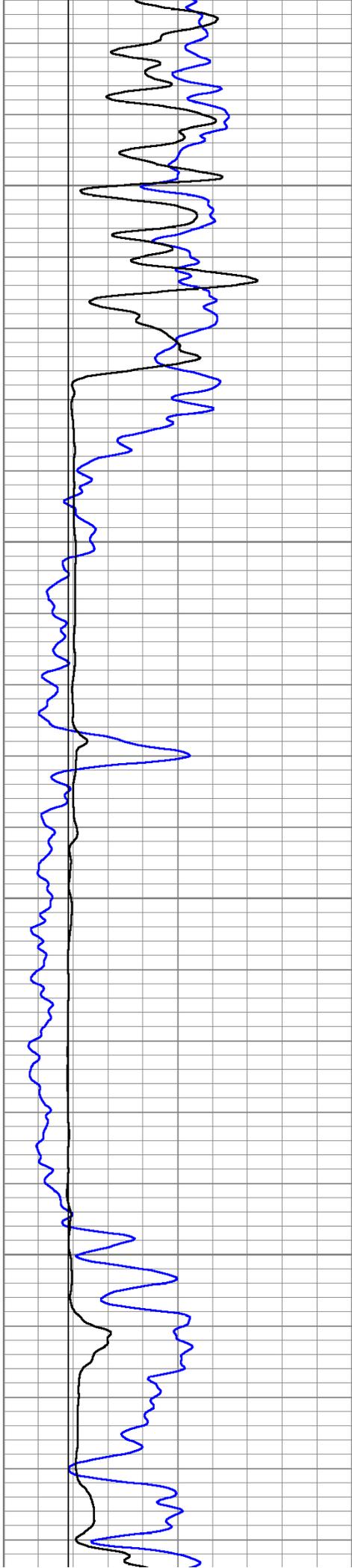


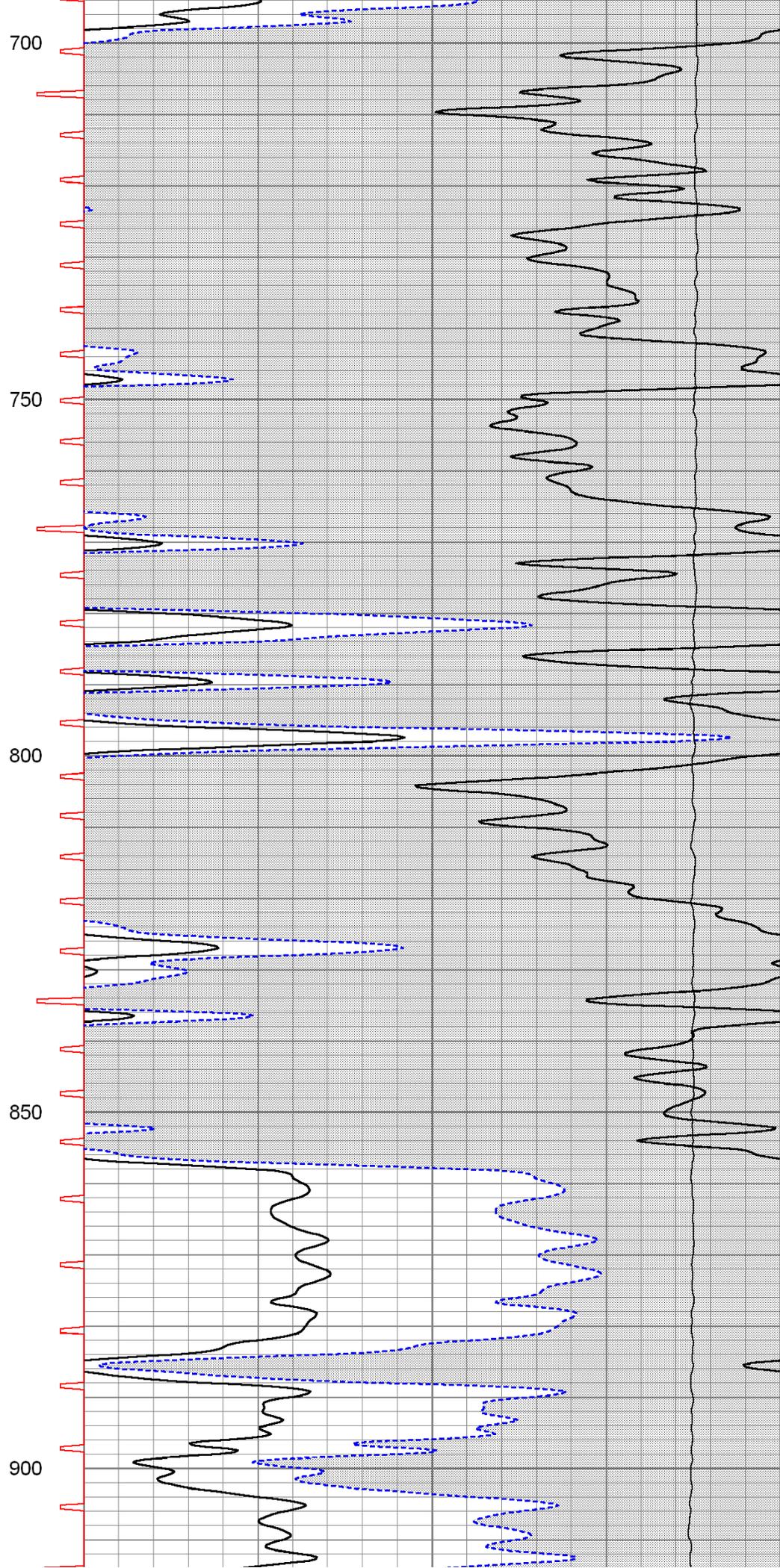
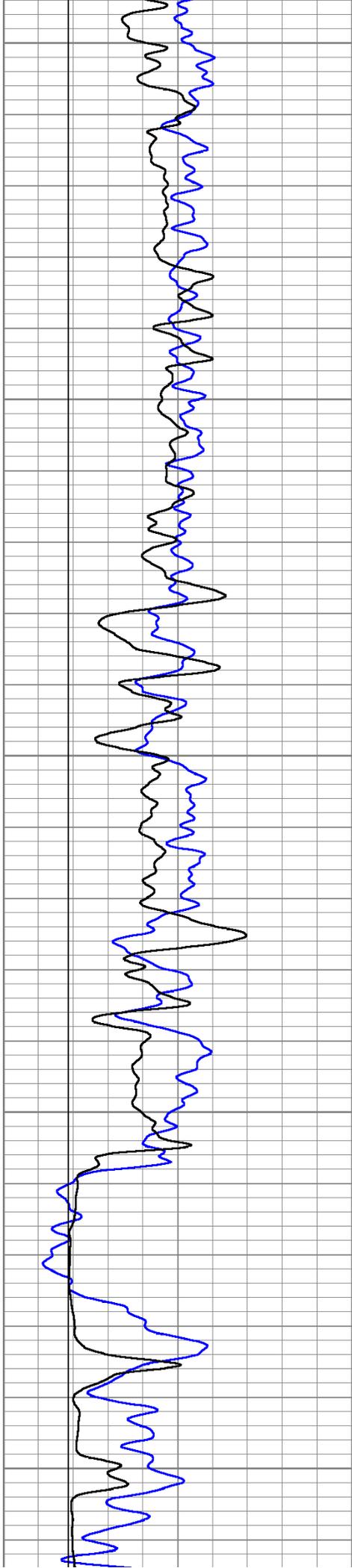
Main Pass

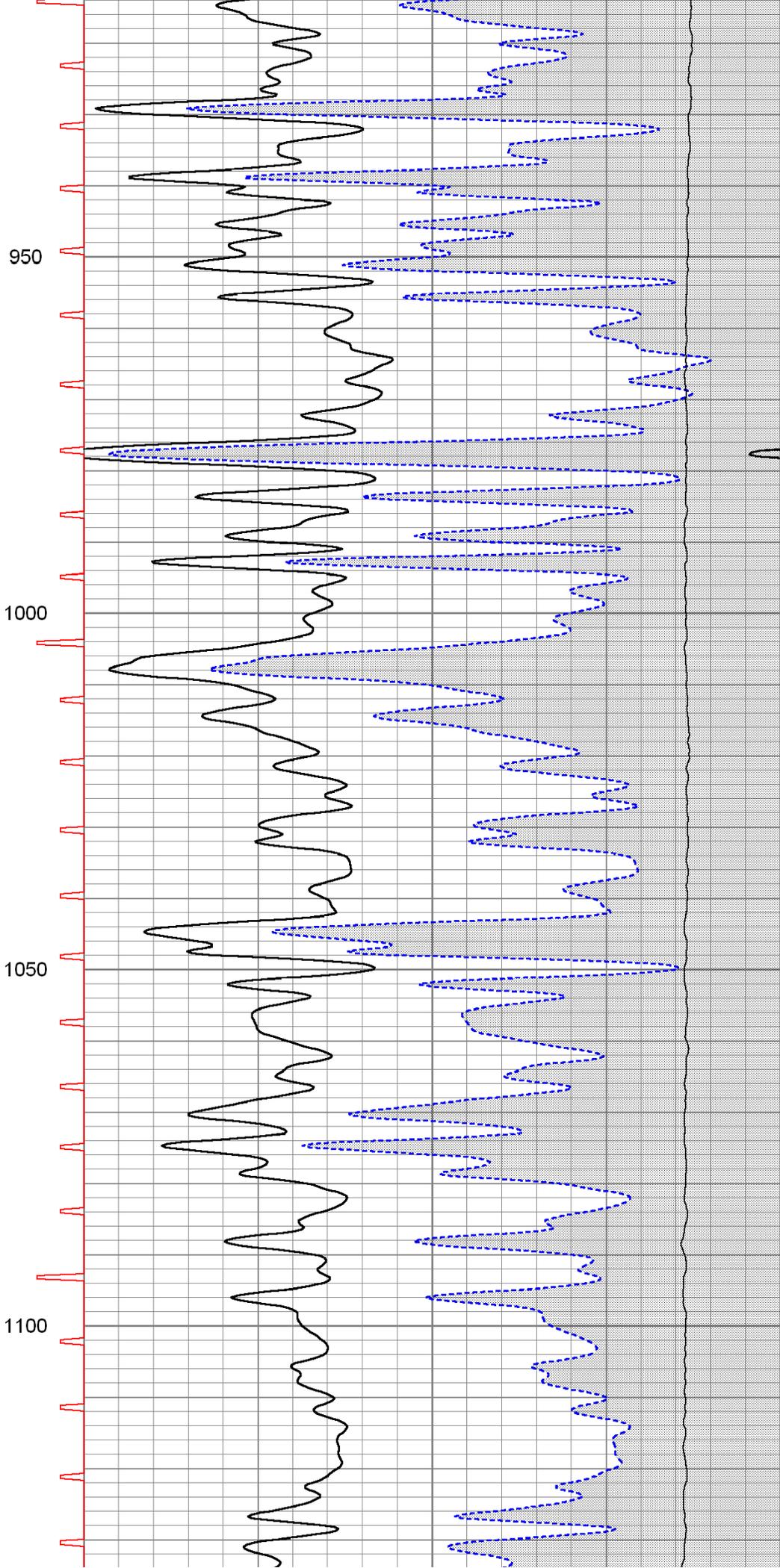
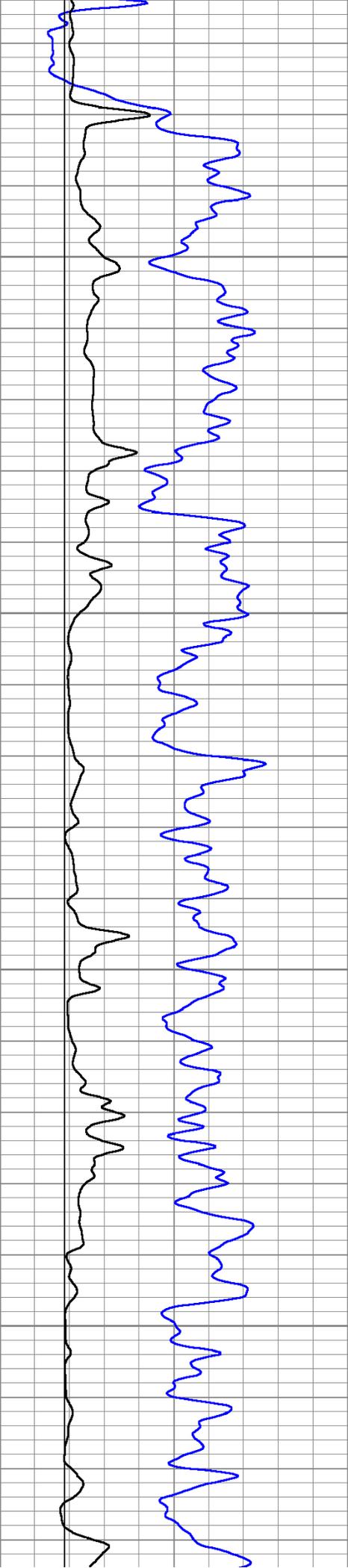
Database File: ppwhipple#1oh.db
 Dataset Pathname: pass4
 Presentation Format: bcs
 Dataset Creation: Sun Feb 03 04:57:35 2013 by Log Open-Cased 100827
 Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150	ITT	140	DT (usec/ft)	40
6	BOREID (in)	16	5 (msec) 0	30	SPOR (pu)	-10
6	DCAL (in)	16		8000	LTEN (lb)	0







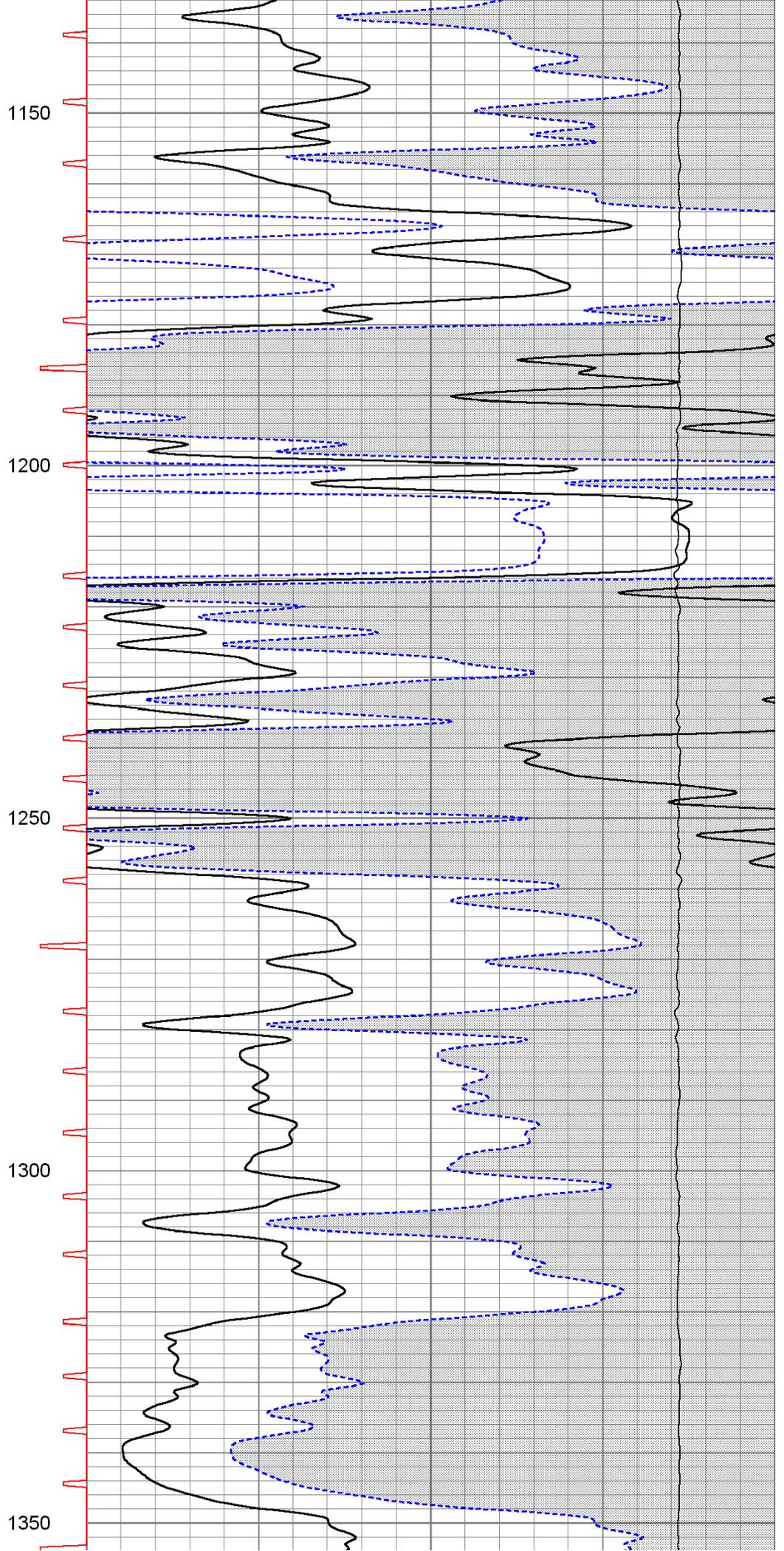
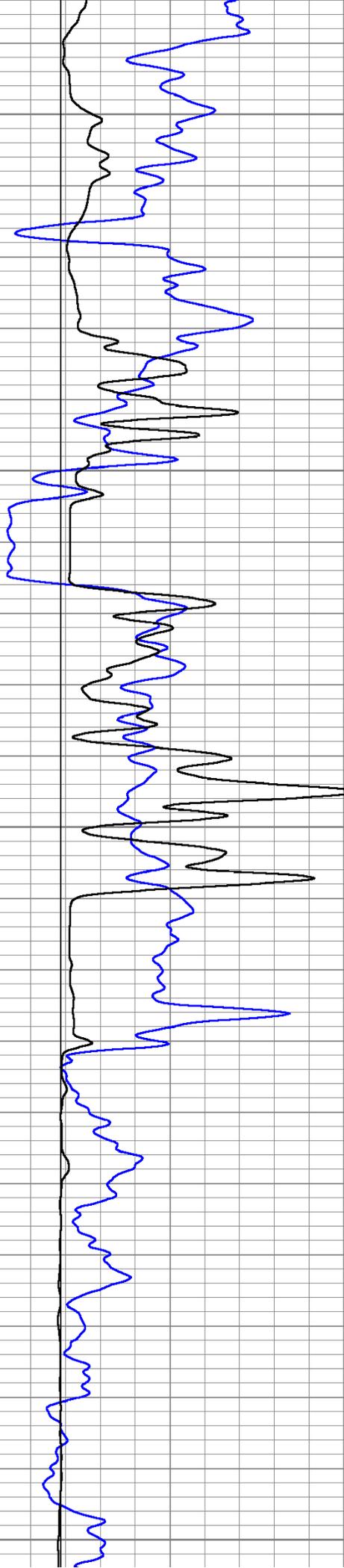


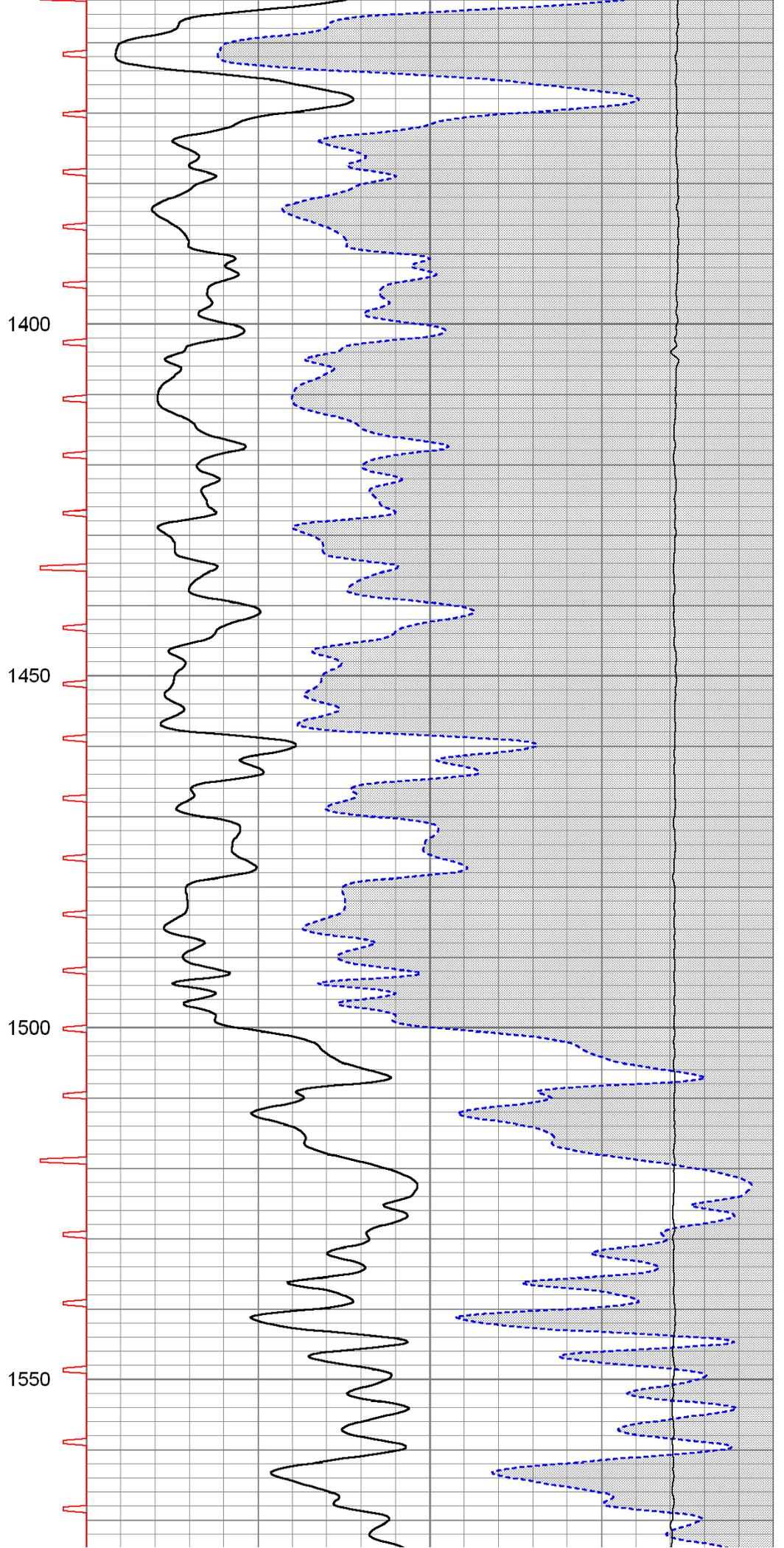
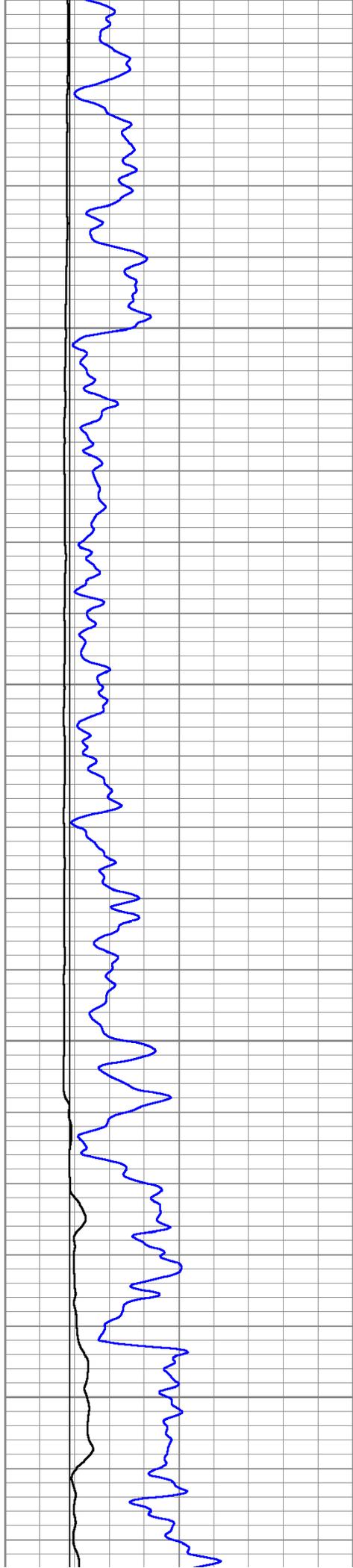
950

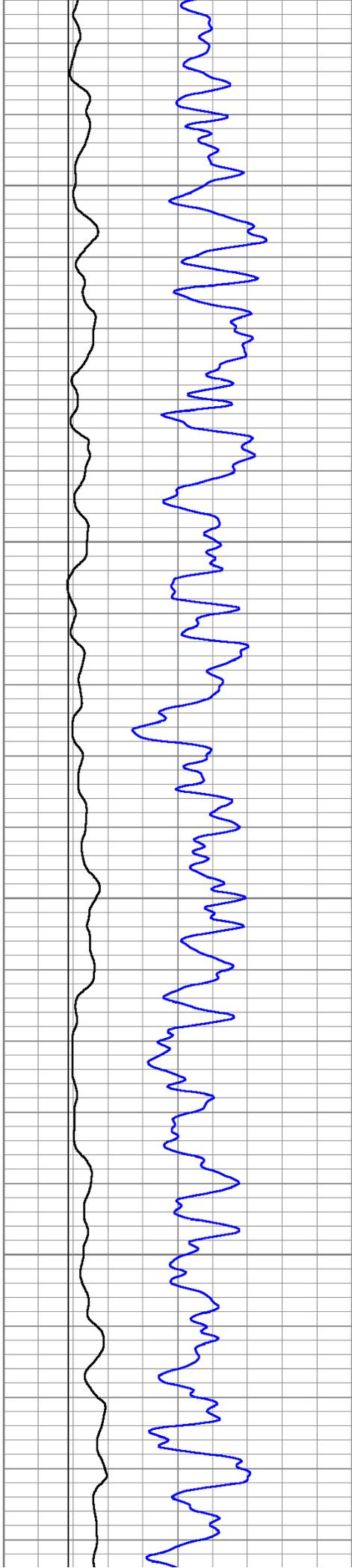
1000

1050

1100





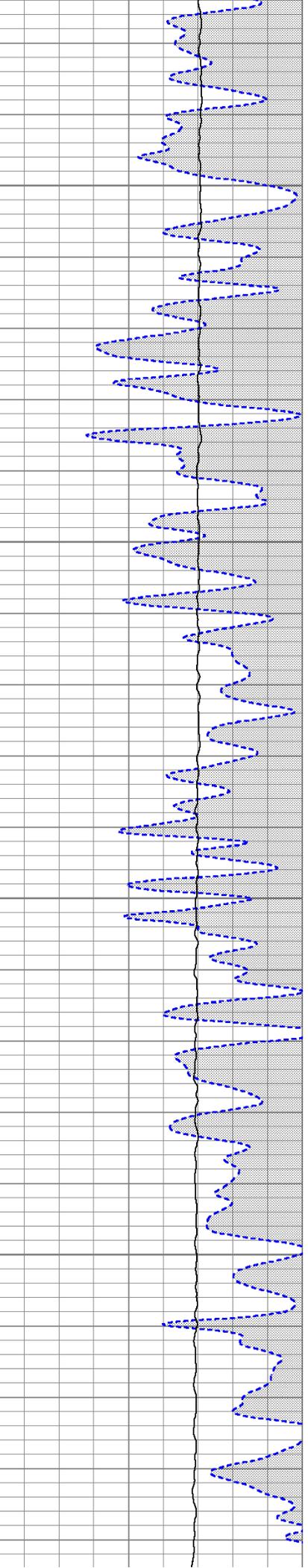
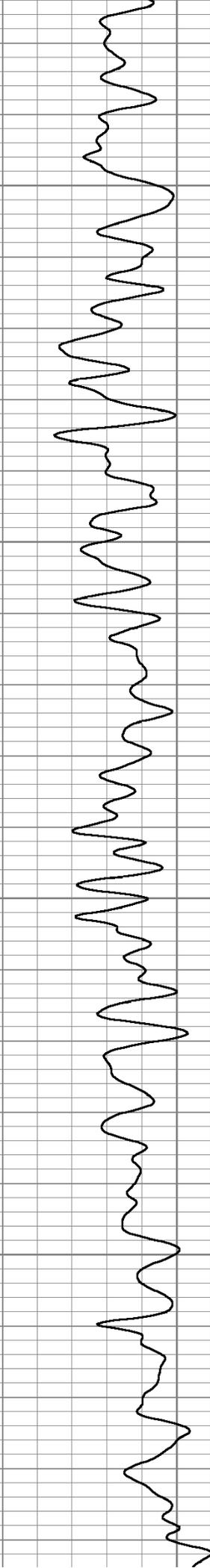


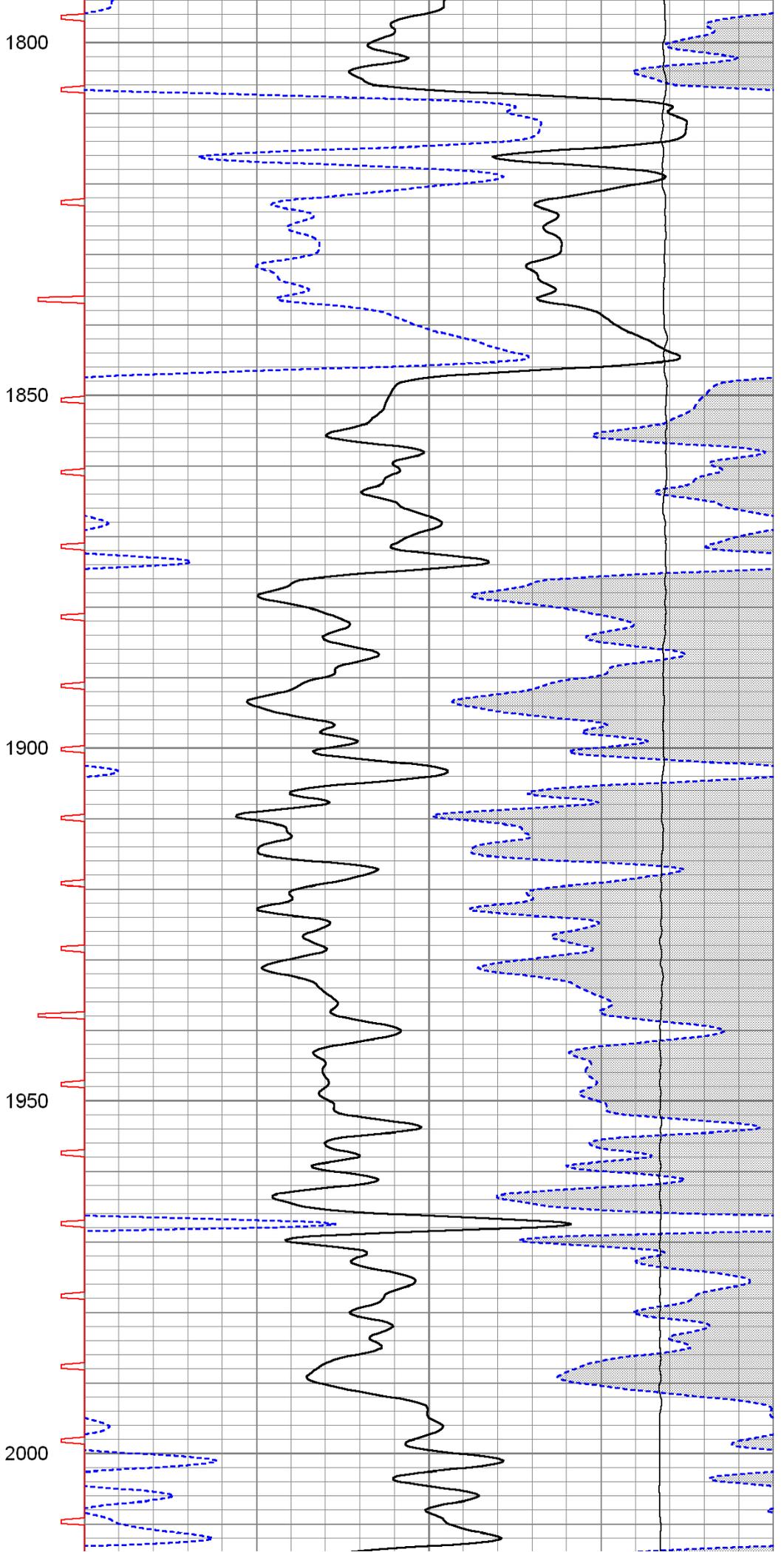
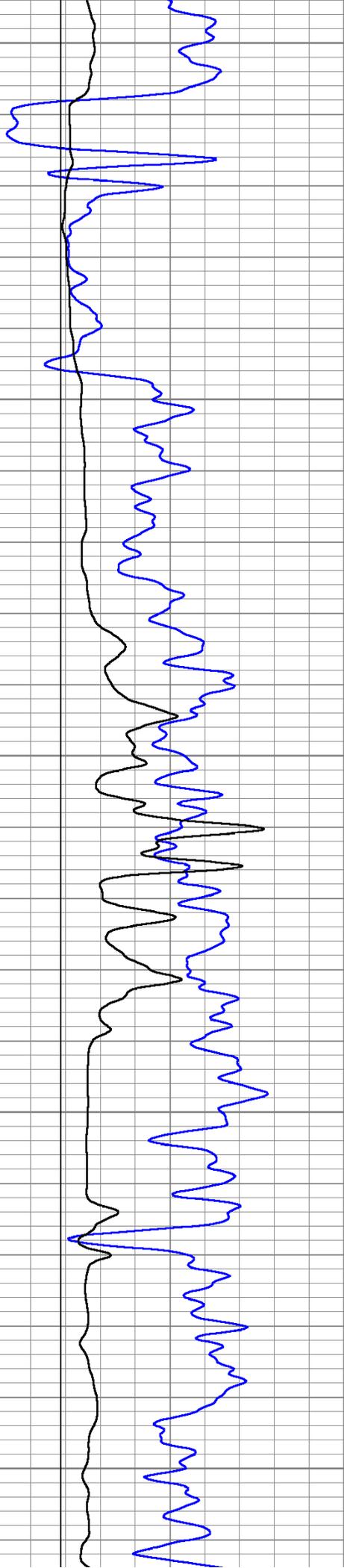
1600

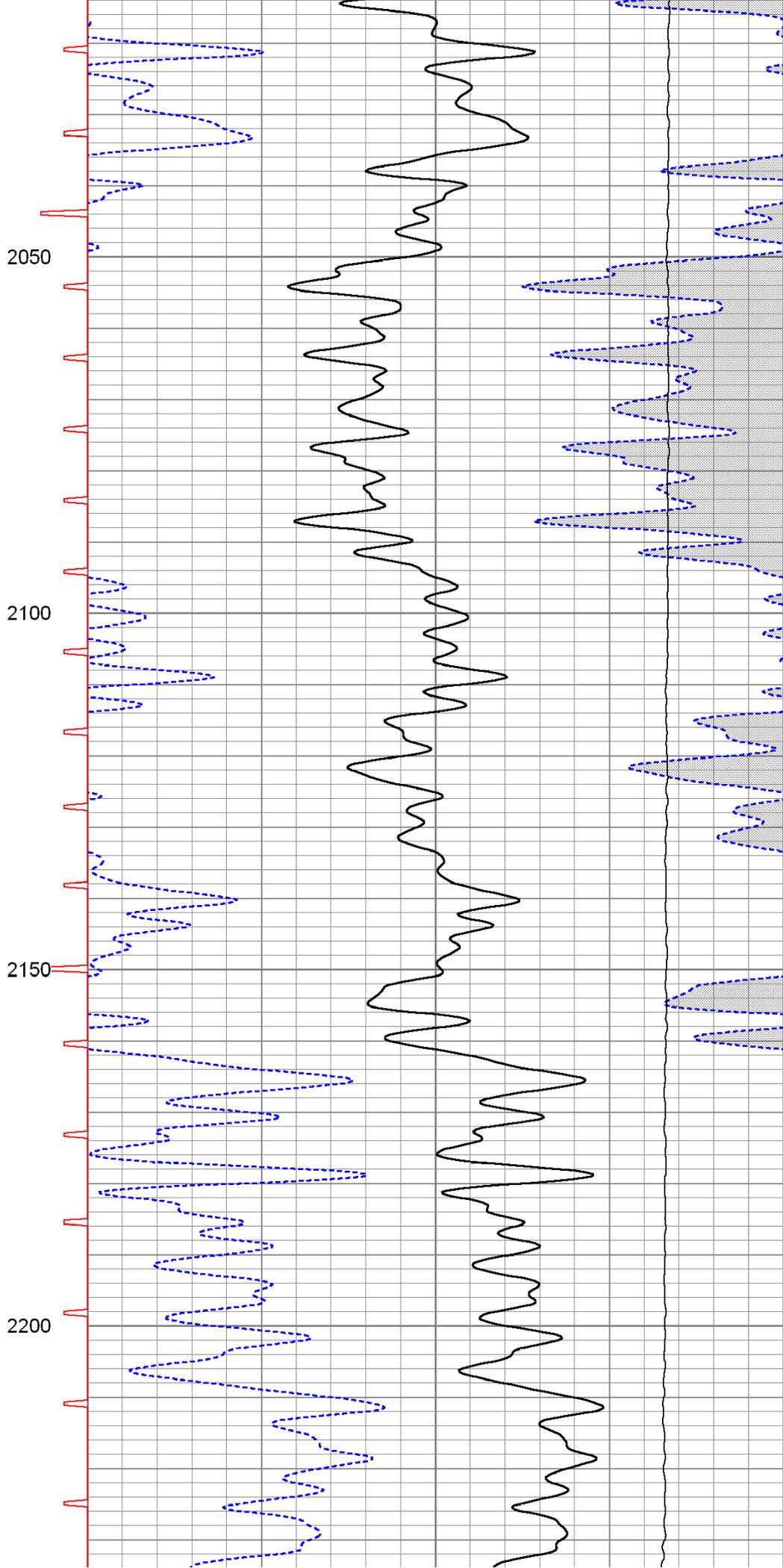
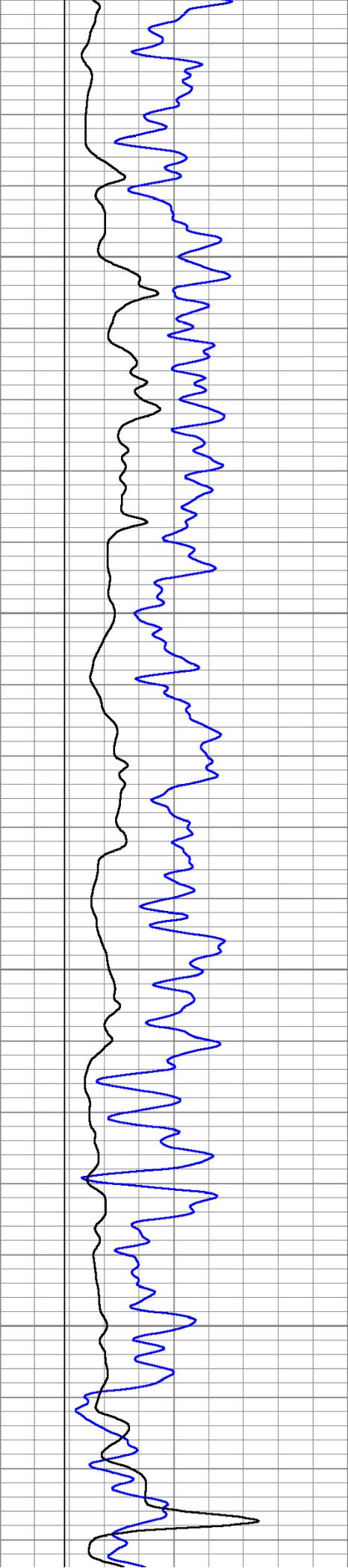
1650

1700

1750





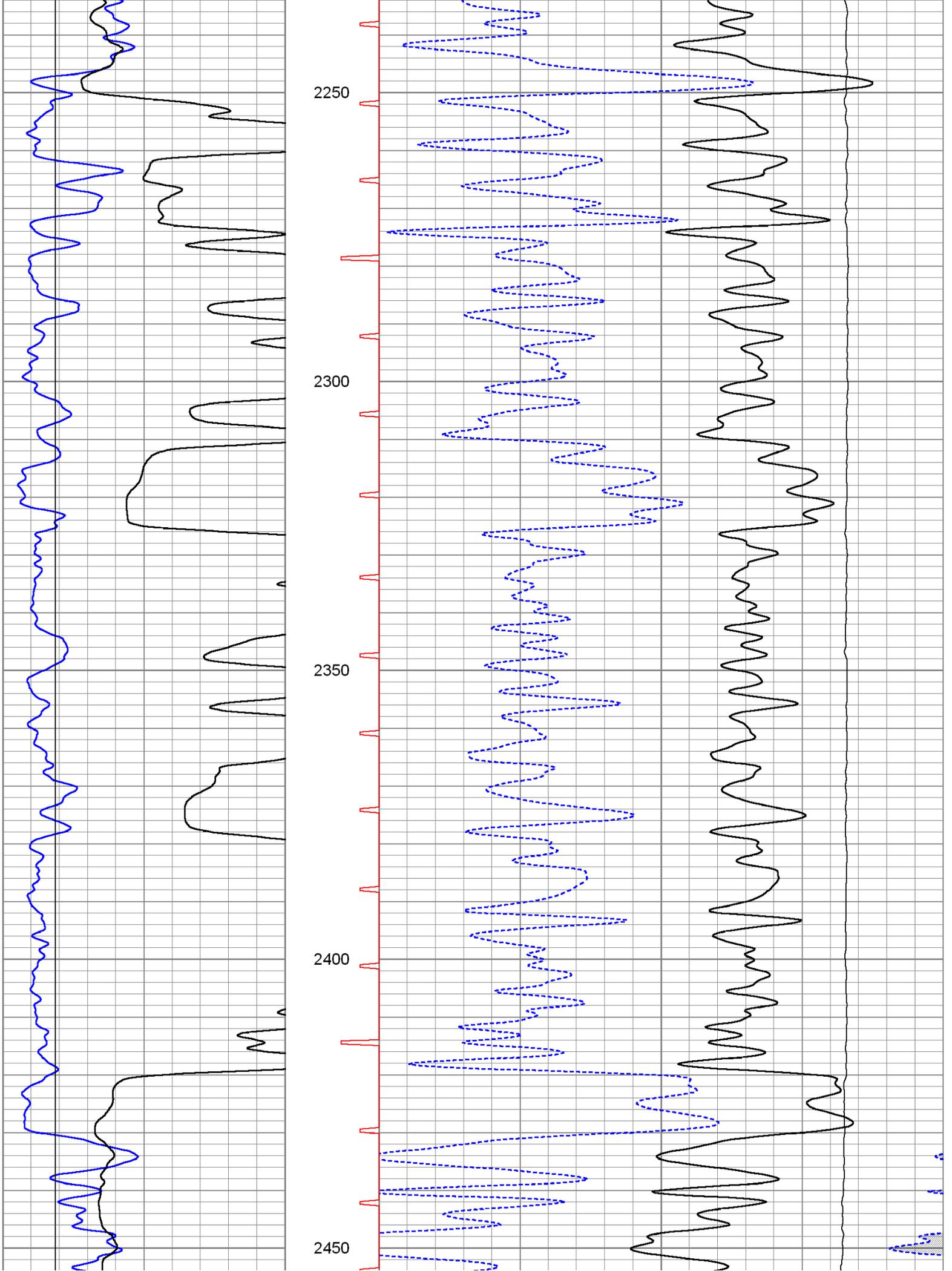


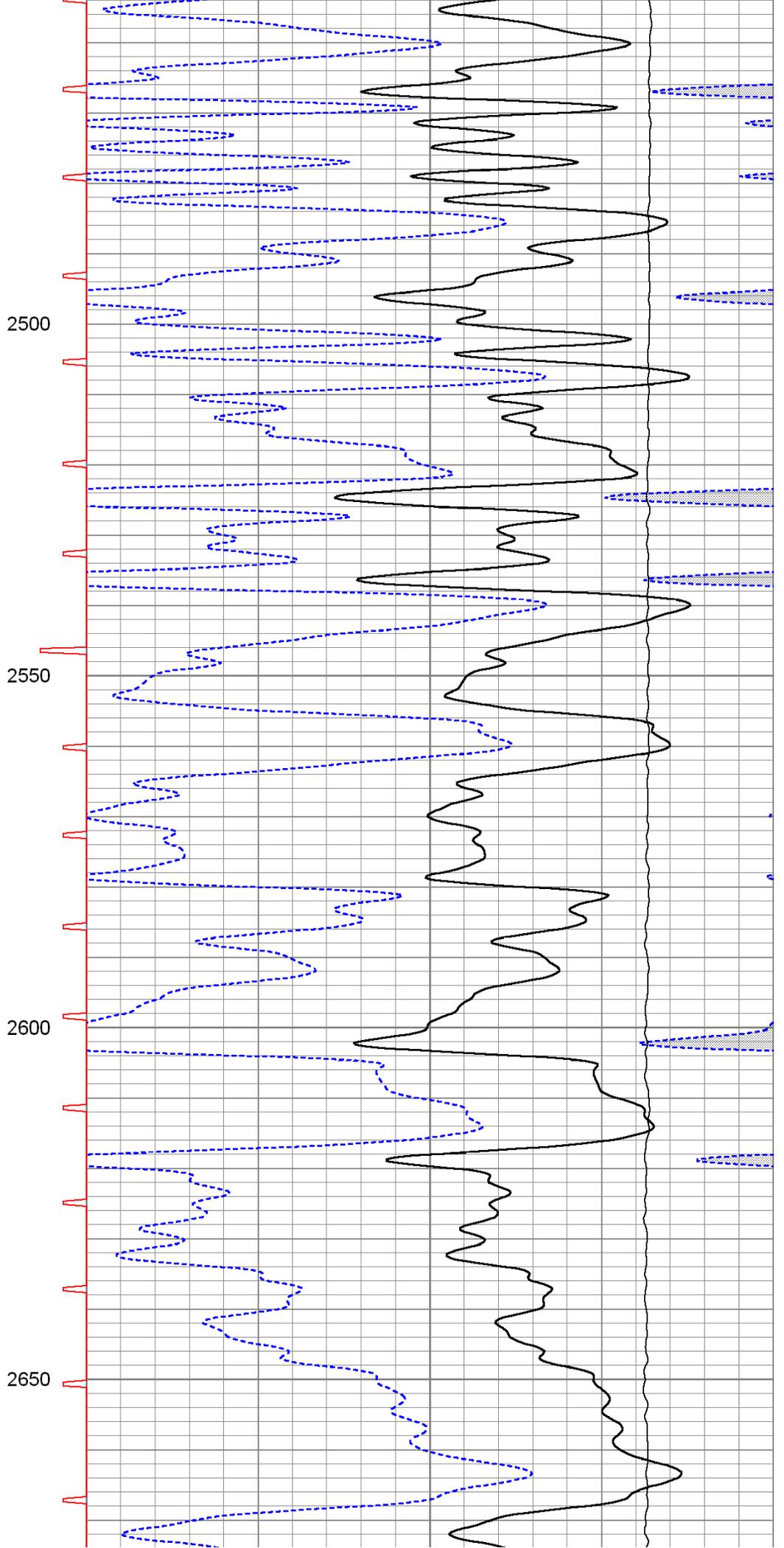
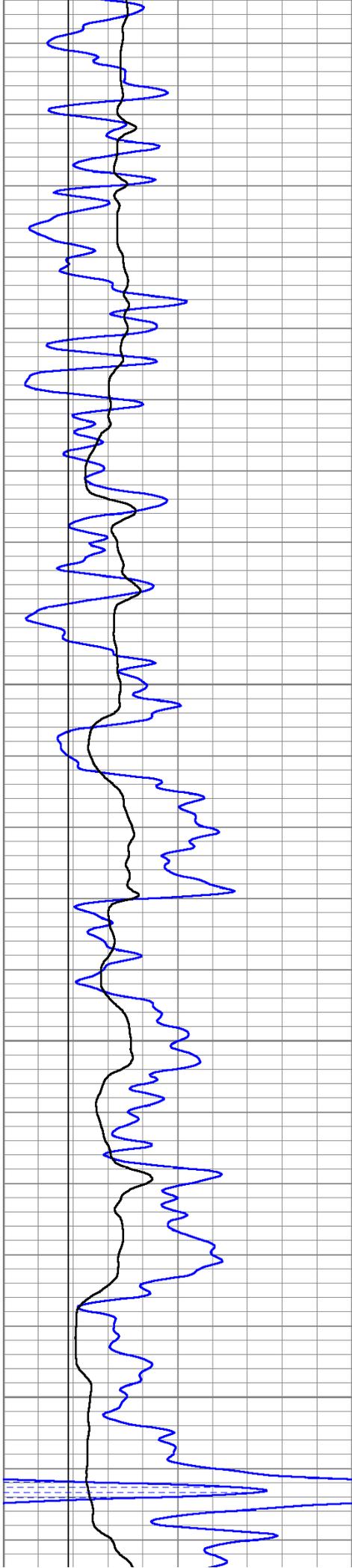
2050

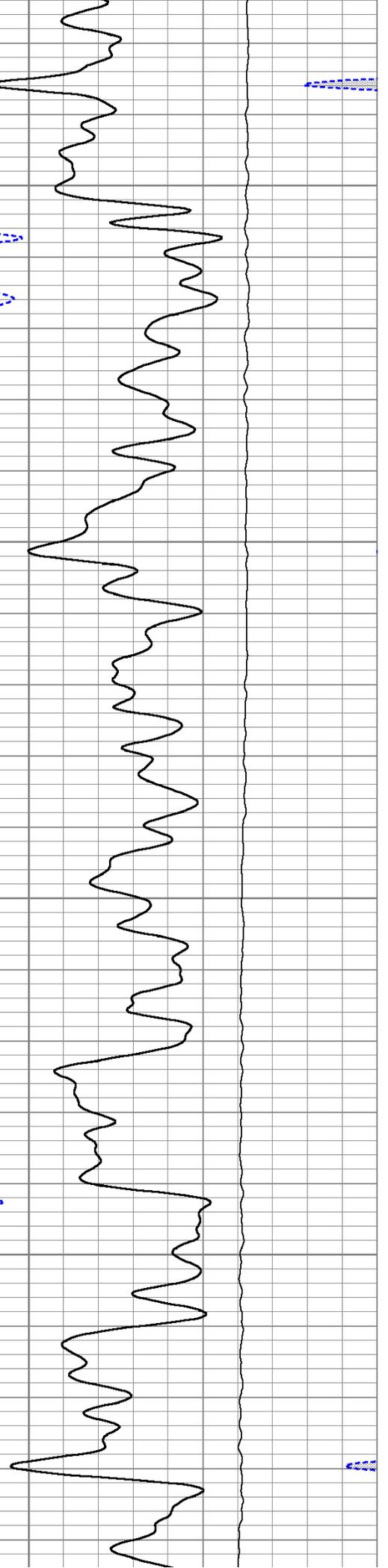
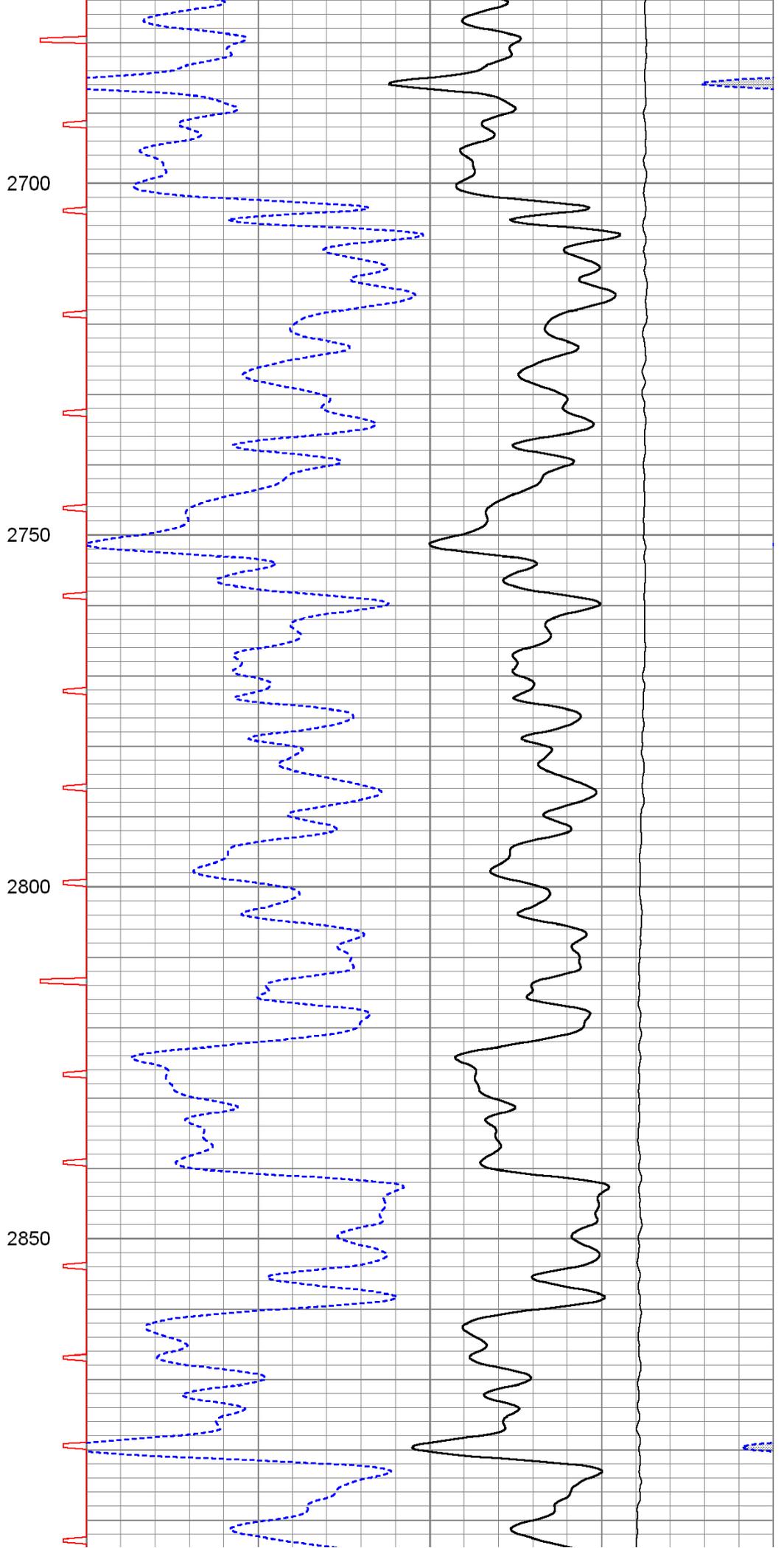
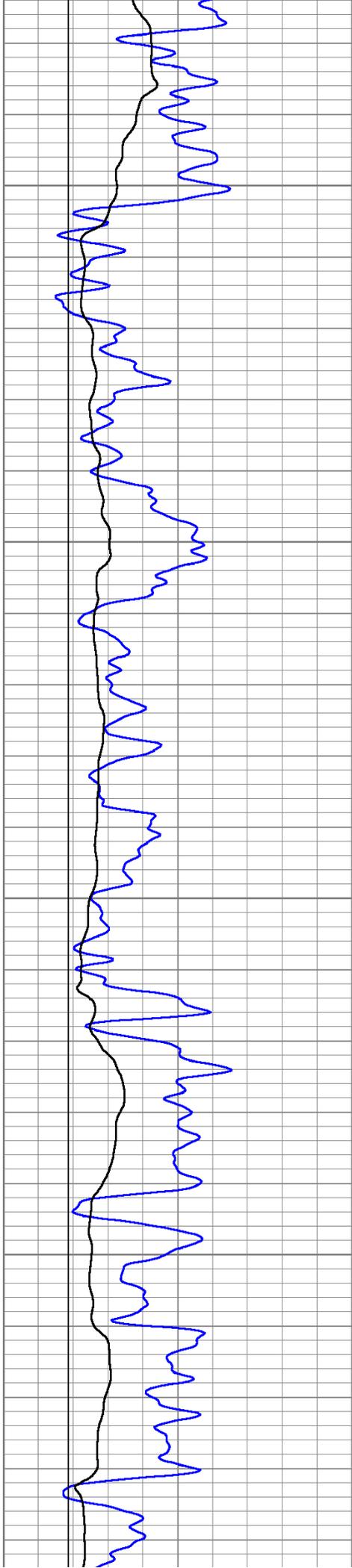
2100

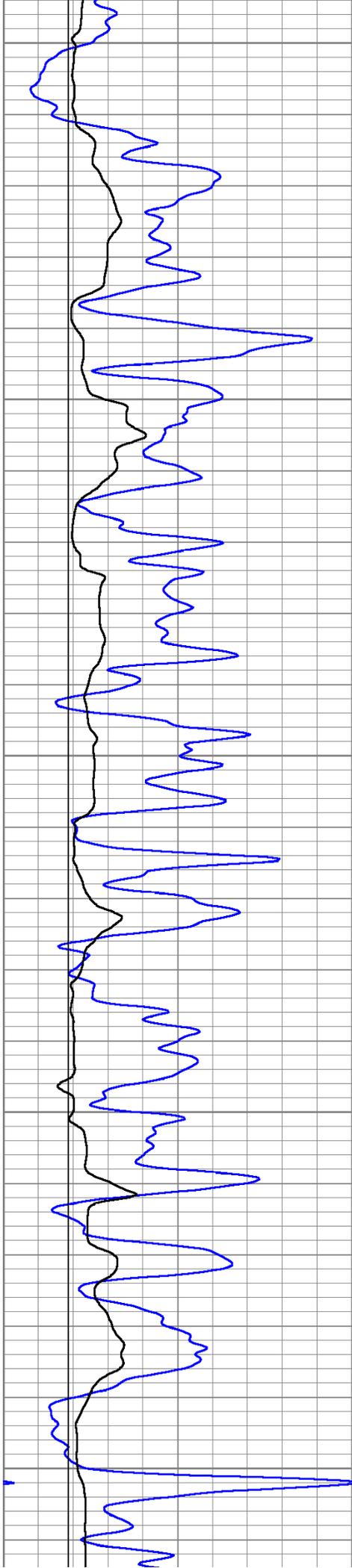
2150

2200









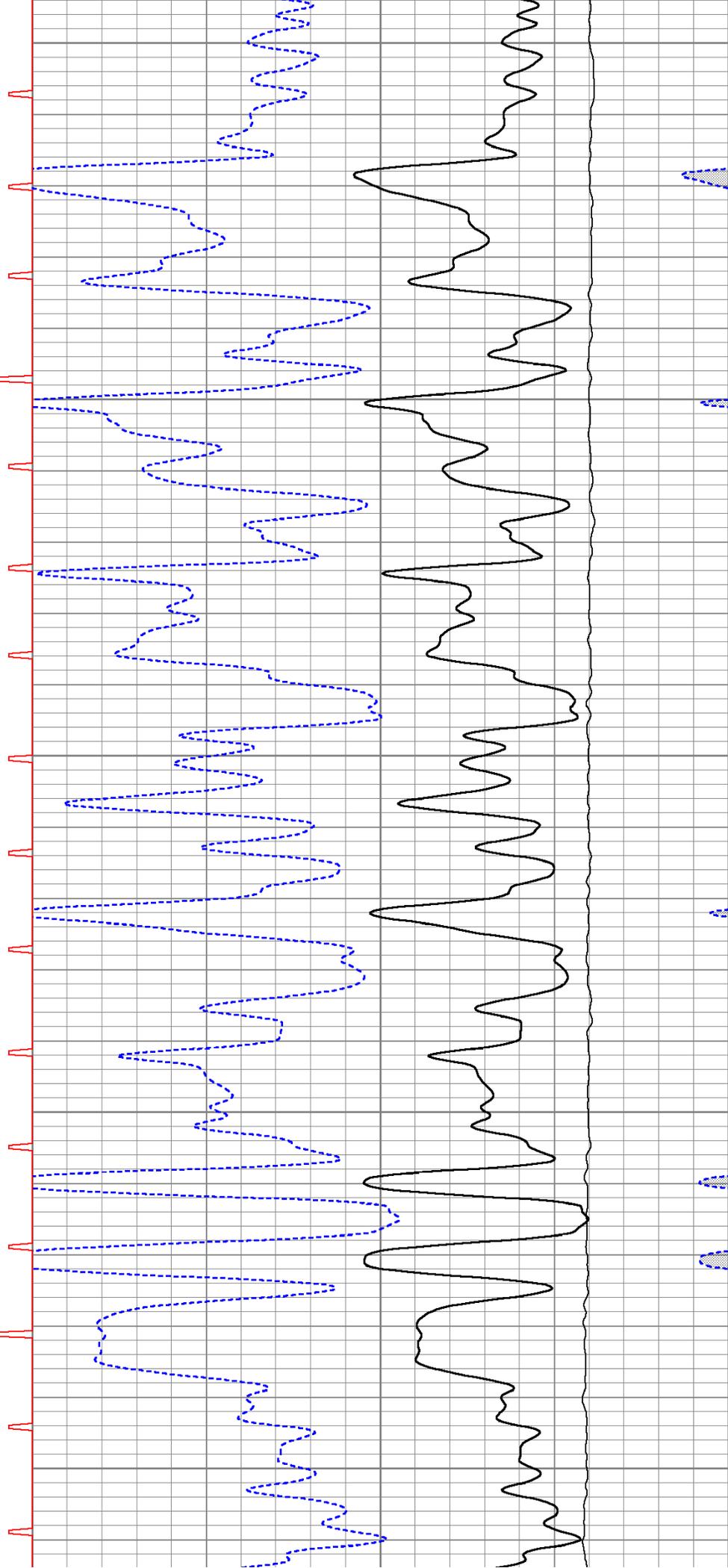
2900

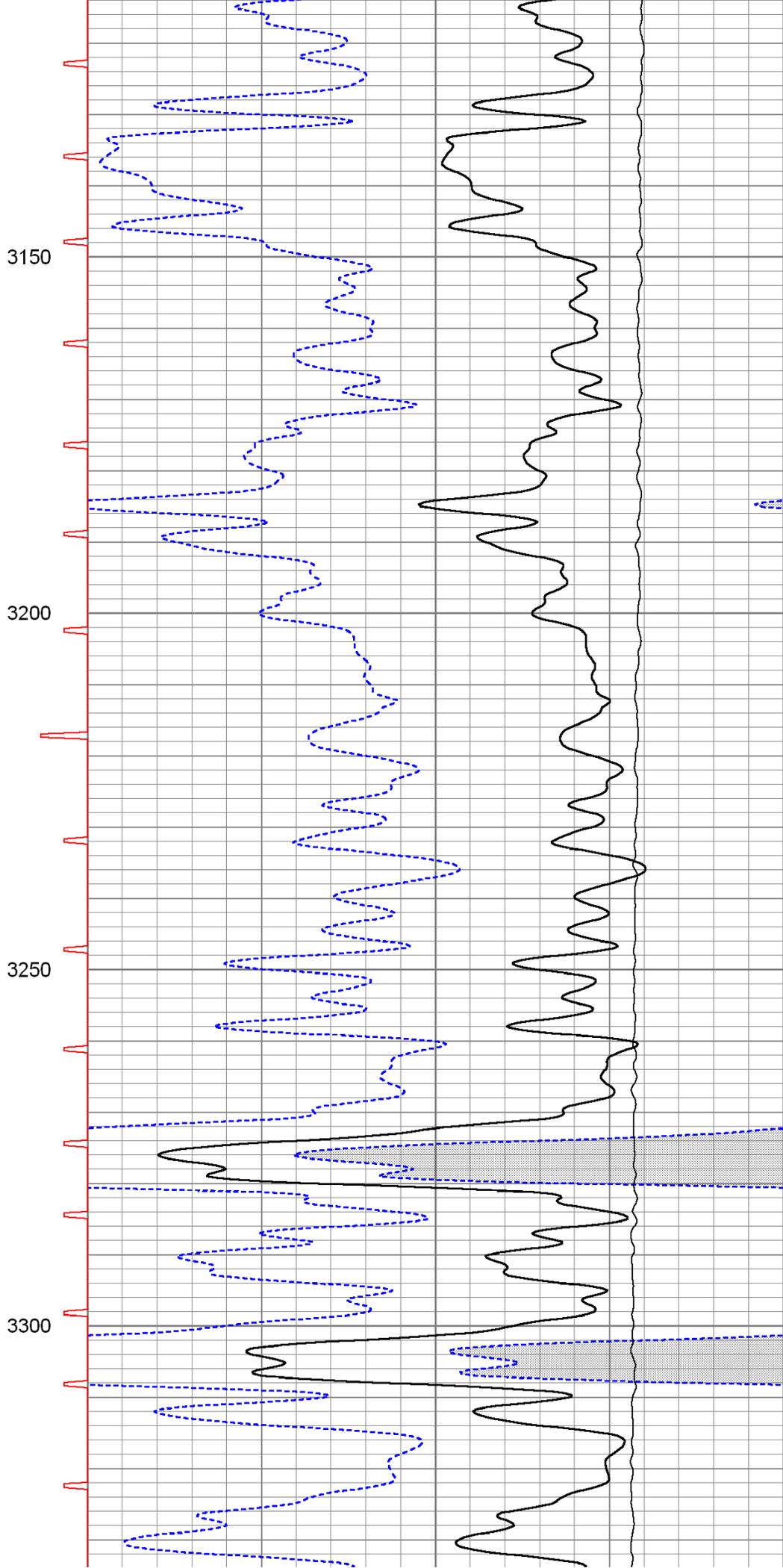
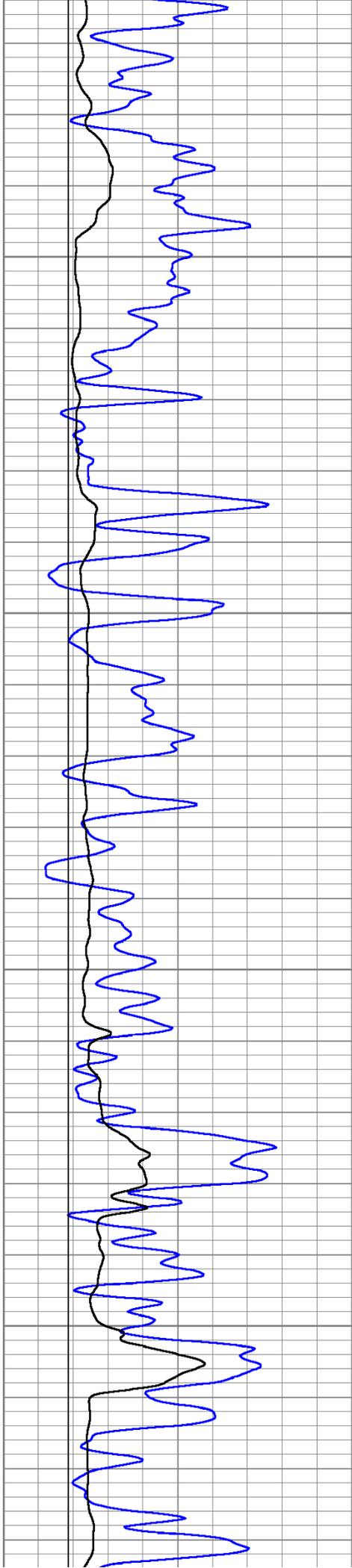
2950

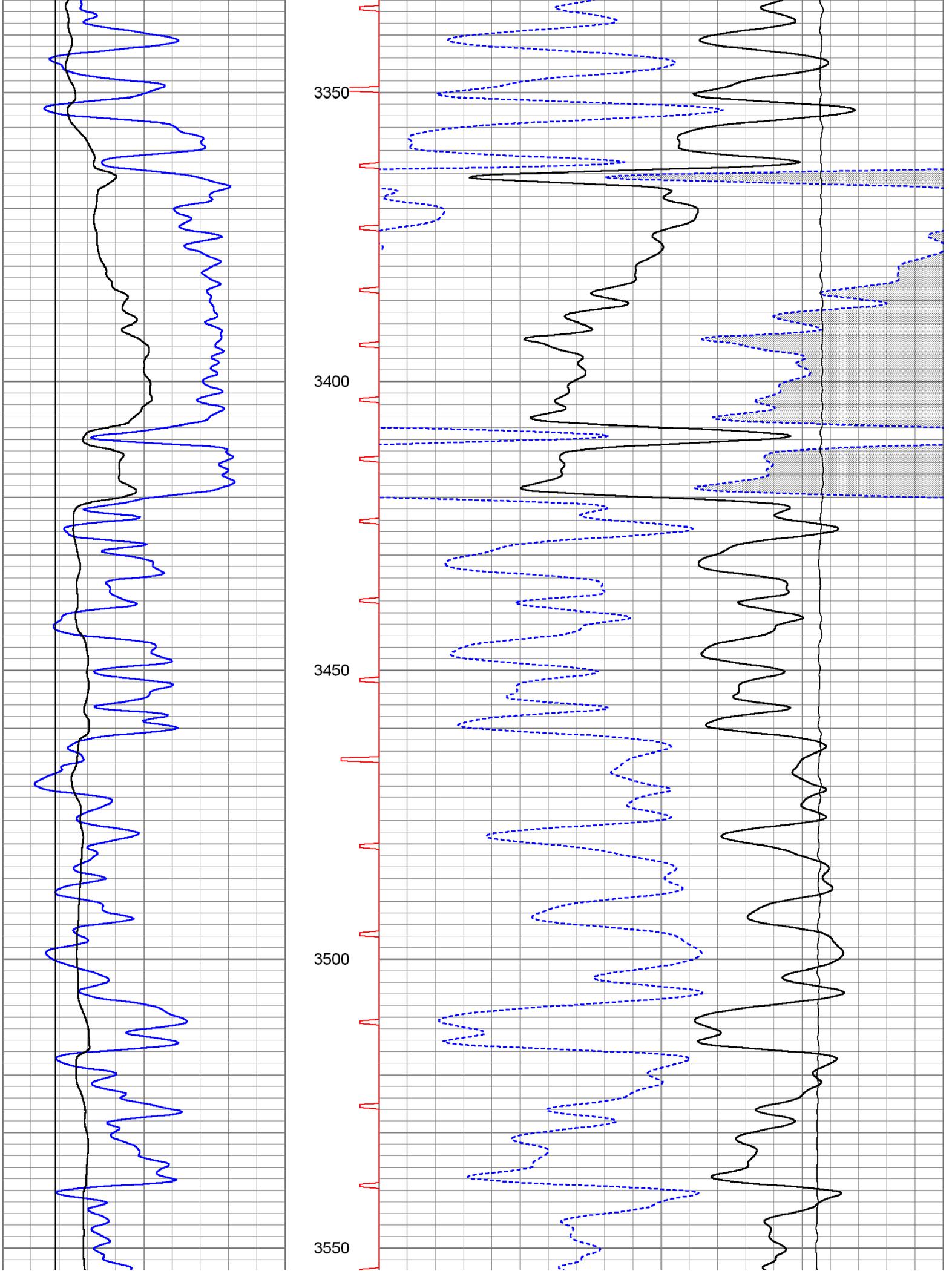
3000

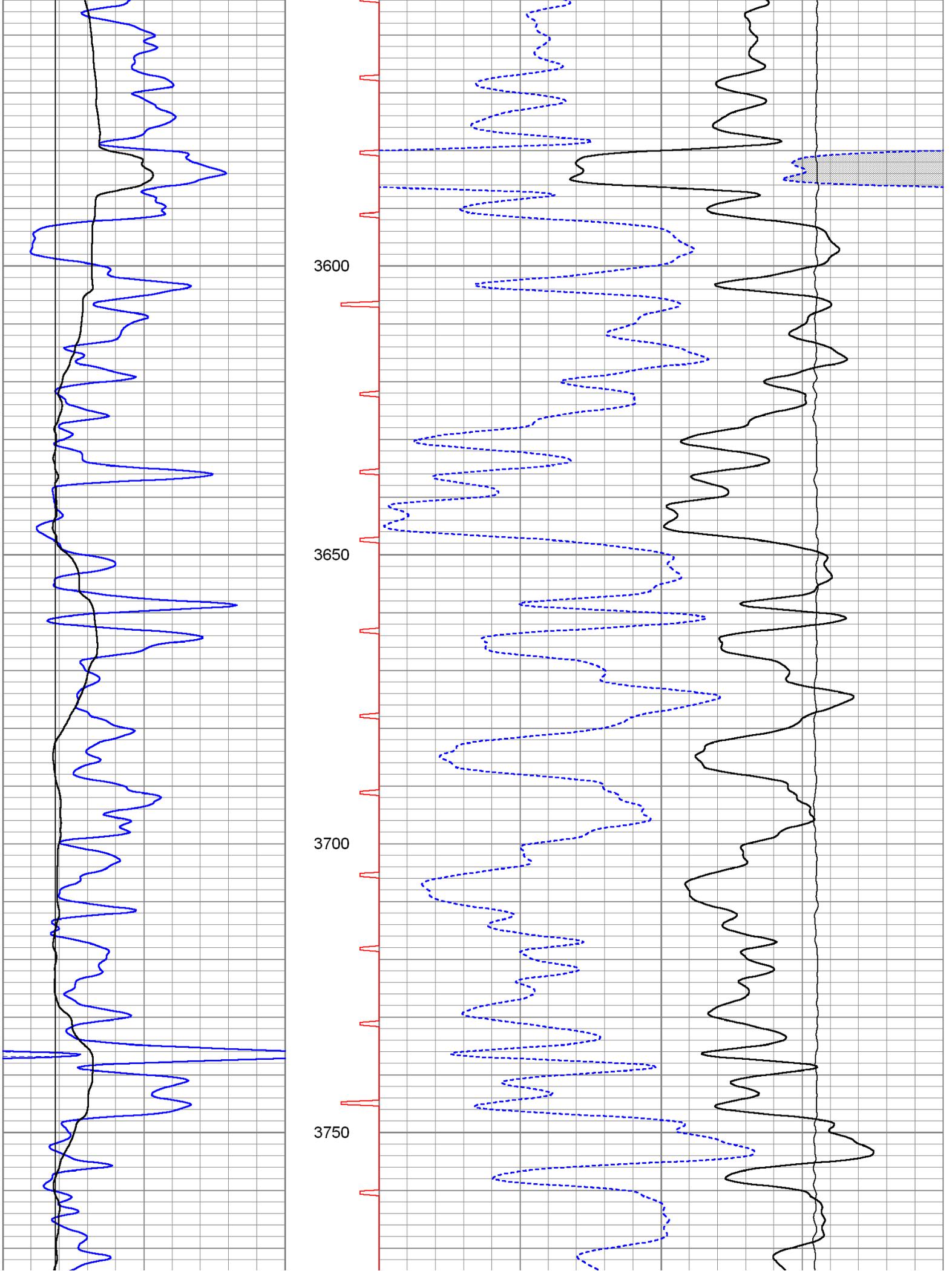
3050

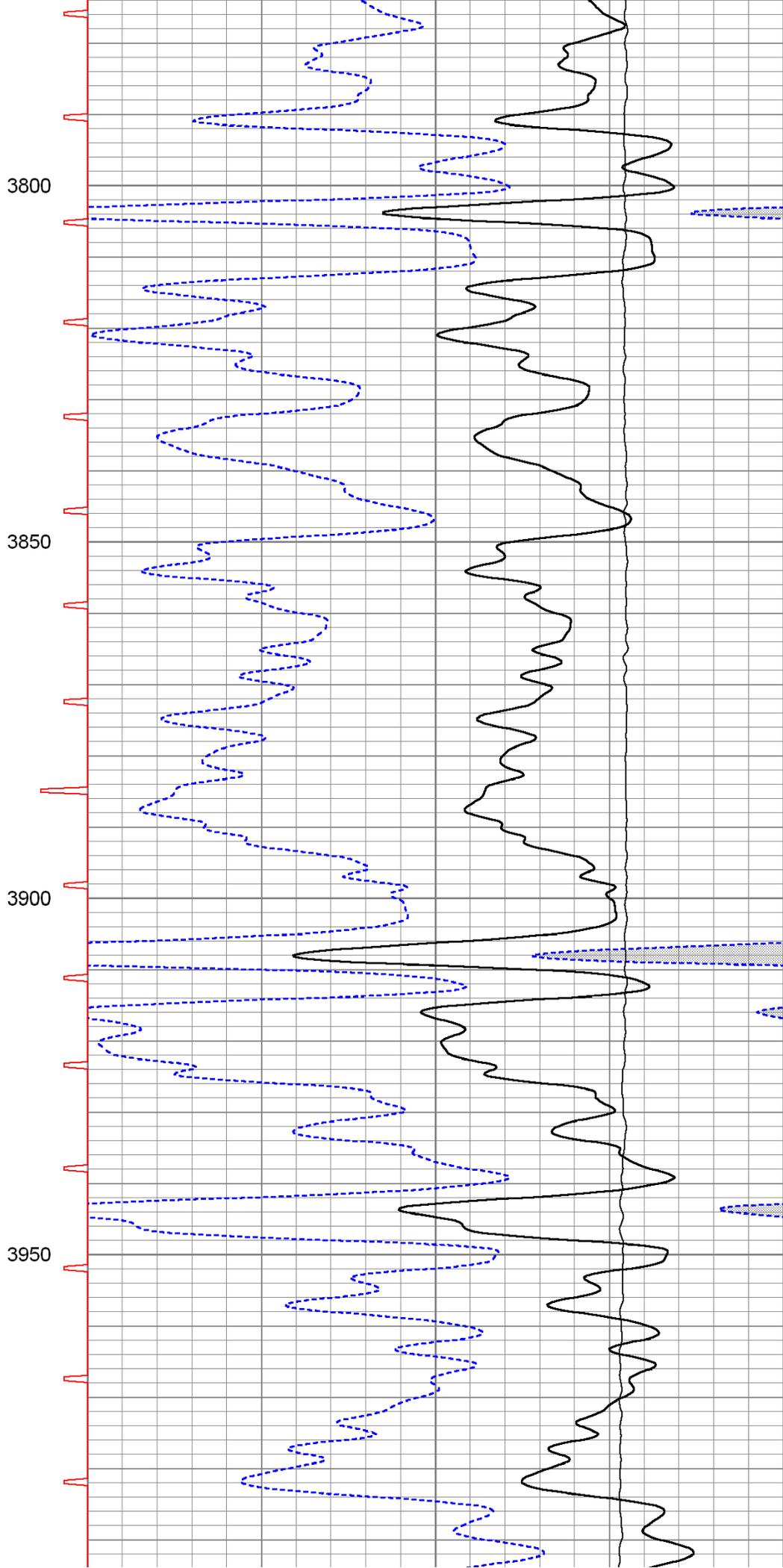
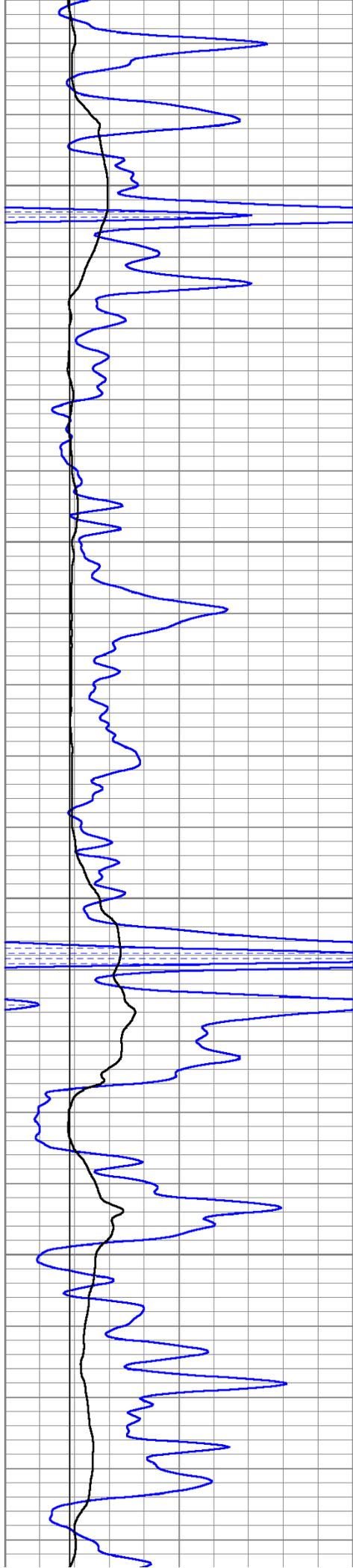
3100

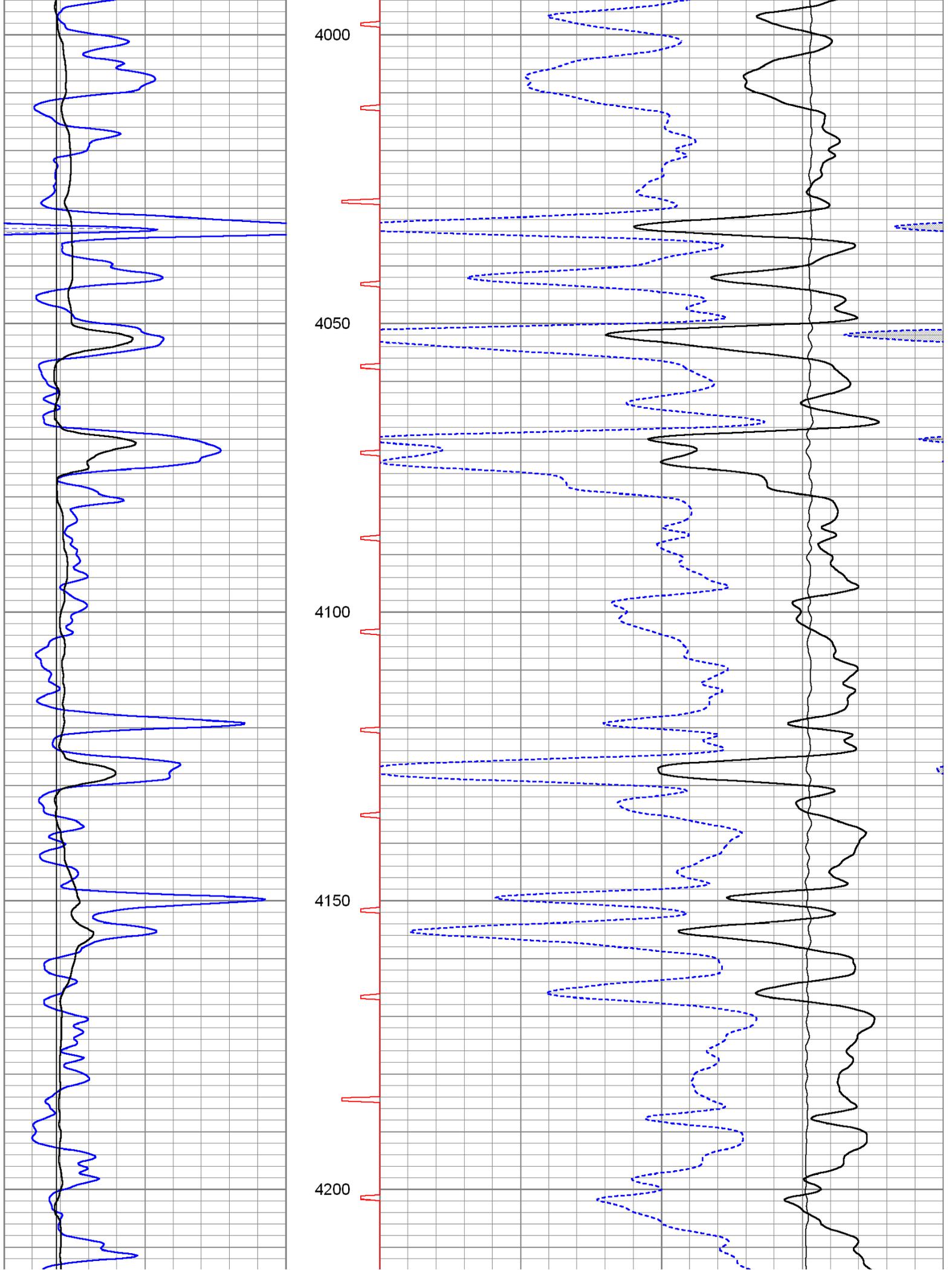


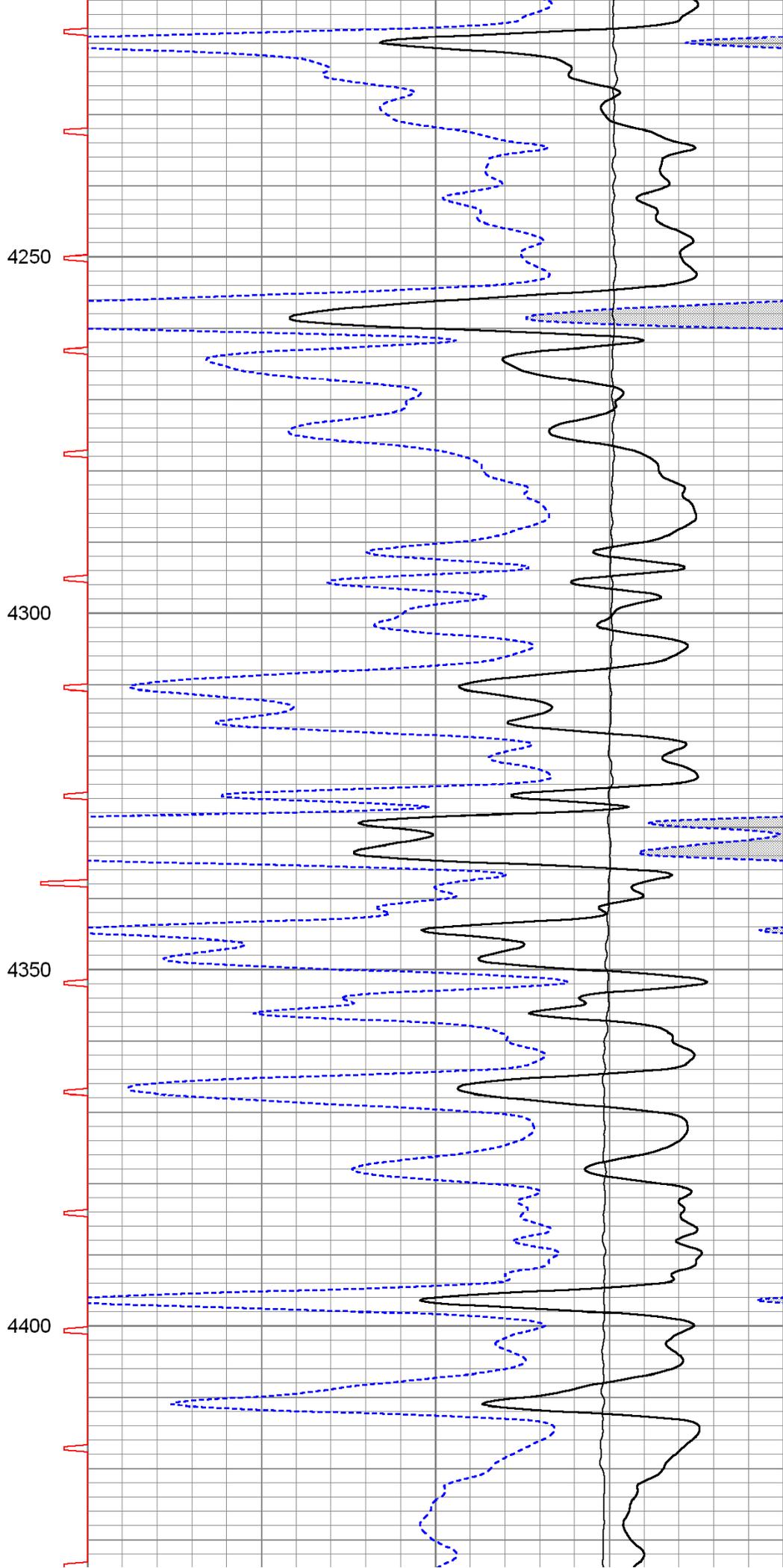
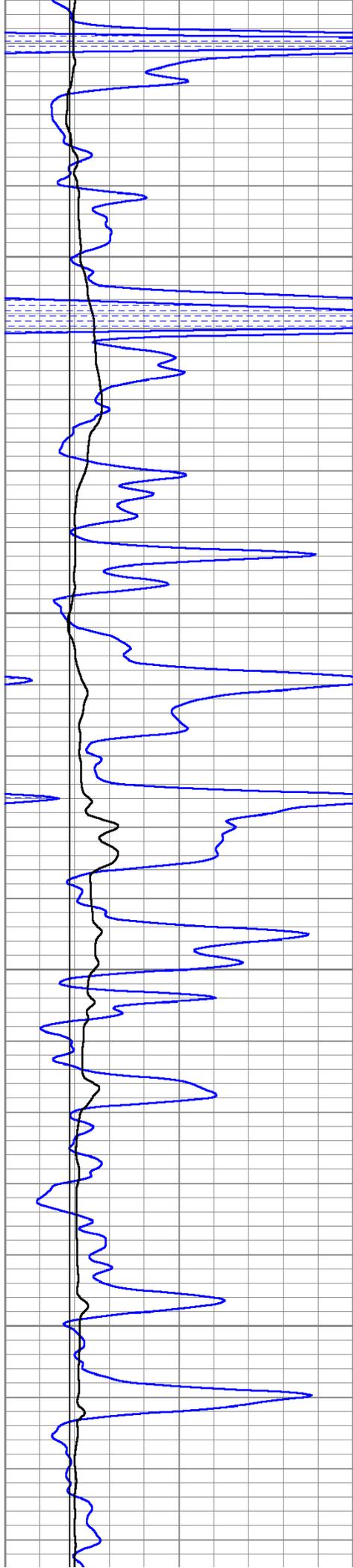


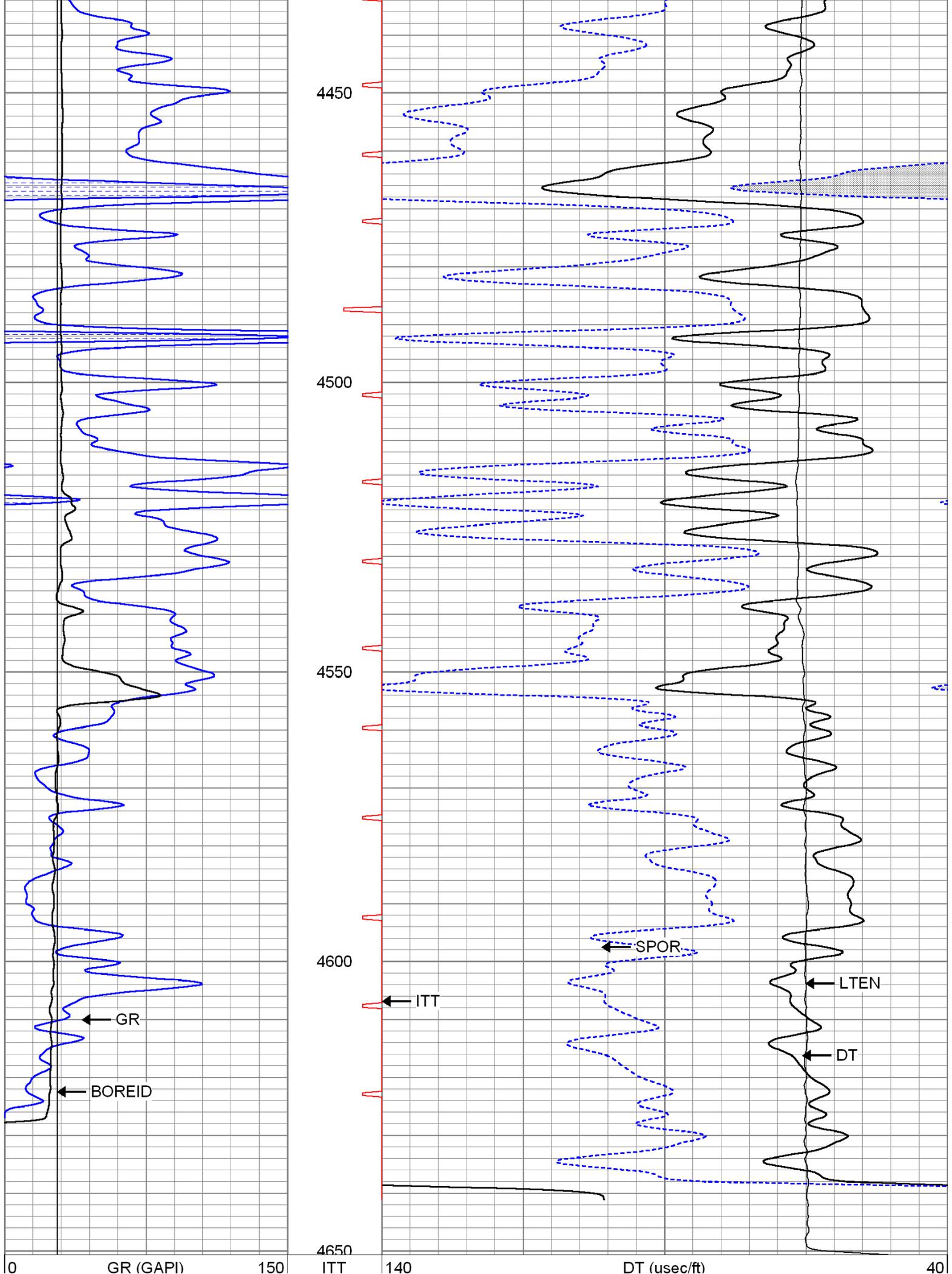












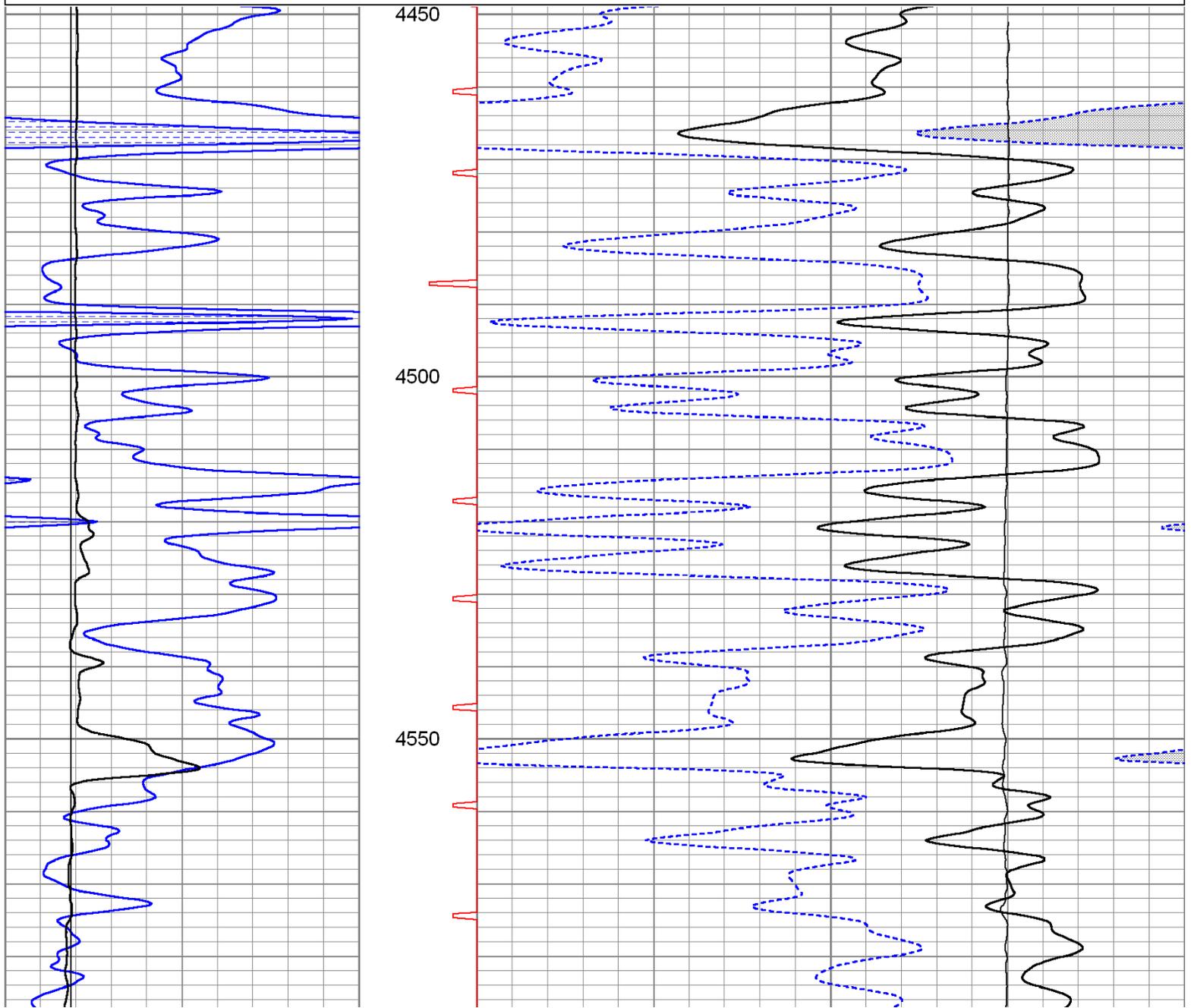
6	BOREID (in)	16	5 (msec)	0	30	SPOR (pu)	-10
6	DCAL (in)	16			8000	LTEN (lb)	0

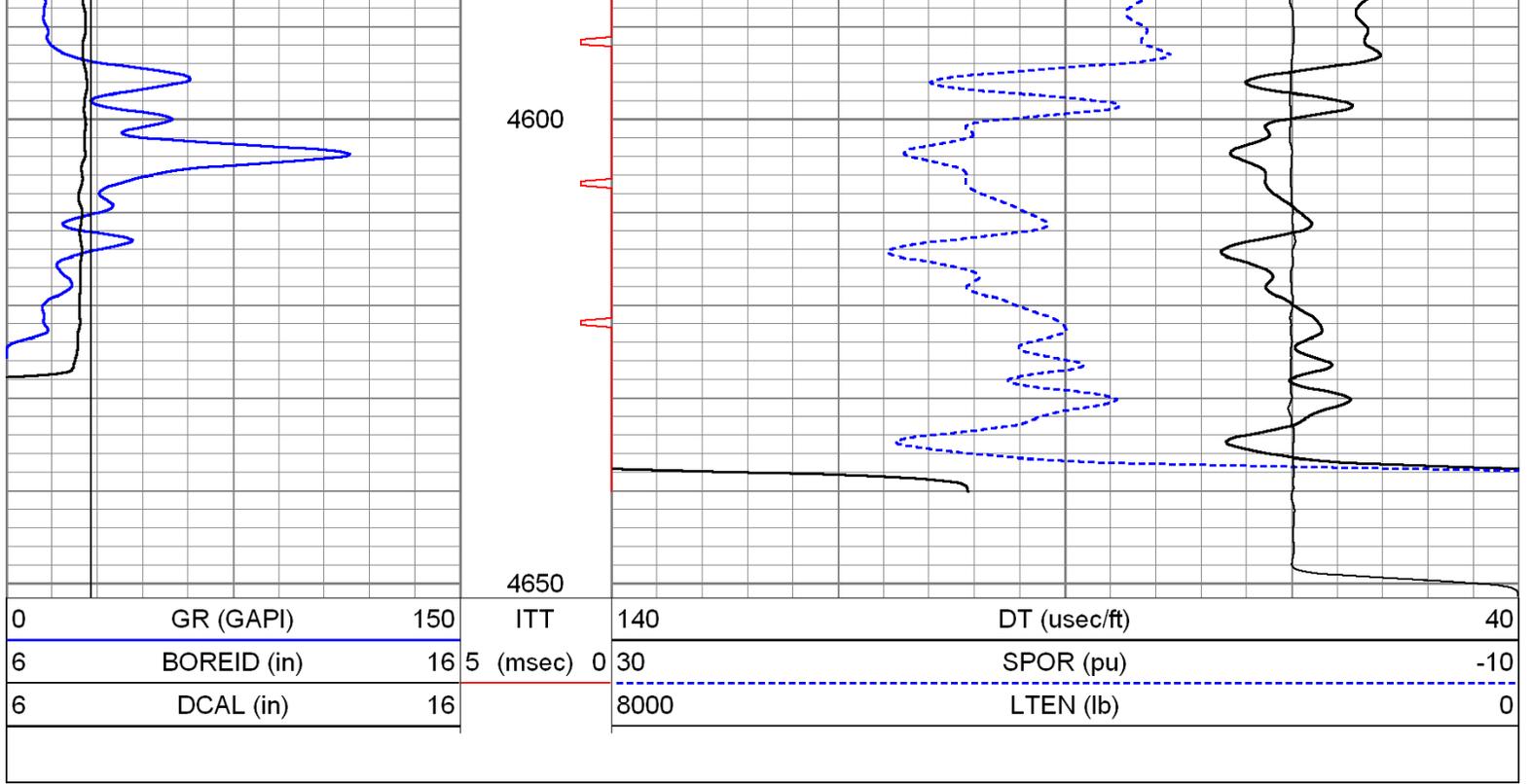


Repeat Pass

Database File: ppwhipple#1oh.db
 Dataset Pathname: pass3
 Presentation Format: bcs
 Dataset Creation: Sun Feb 03 04:51:33 2013 by Log Open-Cased 100827
 Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150	ITT	140	DT (usec/ft)	40	
6	BOREID (in)	16	5 (msec)	0	30	SPOR (pu)	-10
6	DCAL (in)	16			8000	LTEN (lb)	0





Calibration Report

Database File: ppwhipple#1oh.db
 Dataset Pathname: pass3
 Dataset Creation: Sun Feb 03 04:51:33 2013 by Log Open-Cased 100827

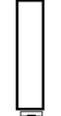
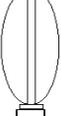
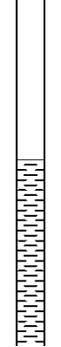
Gamma Ray Calibration Report

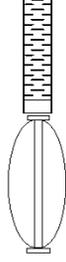
Serial Number: 2000
 Tool Model: P2000
 Performed: Wed Jan 23 07:42:55 2013

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.2400 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	25.67		GR-P2000 (2000)	3.67	3.25	40.00
			OHshort Open Hole short centralizer	4.04	3.50	50.00
WVF4	14.25		SLT-G (101127) Sonic	15.71	3.50	250.00
WVF3	13.25					
WVF2	10.25					
WVF1	9.25					



OHlong
Open Hole long Centralizer

4.50

3.50

50.00

Dataset:	ppwhipple#1oh.db: field/well/run1/pass3
Total Length:	27.92 ft
Total Weight:	390.00 lb
O.D.	3.50 in