



Pioneer Energy Services

Borehole Compensated Sonic Log

15-171-21,028-00-00

API No.

Company **American Warrior, Inc.**
Well **Palkowitsh #1-2**
Field **Wildcat**
County **Scott** State **Kansas**

Location

970' FNL & 1,296' FEL

Sec: 2 Twp: 18S Rge: 34W

Other Services
CNL/CDL
MEL/DIL

Elevation

Permanent Datum Ground Level Elevation 3097
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 3106
D.F.
G.L. 3097

Date

2/22/2014

Run Number

Two

Type Log

BHC Sonic

Depth Driller

5000

Depth Logger

4999

Bottom Logged Interval

4988

Top Logged Interval

300

Type Fluid In Hole

Chemical

Salinity, PPM CL

4000

Density

9.6

Level

Full

Max. Rec. Temp. F

126

Operating Rig Time

4 1/2 Hours

Equipment -- Location

108 Hays

Recorded By

J. Long

Witnessed By

Macklin Armstrong

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

00

8.625

24#

00

309

7.875

309

5000

<<< 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.

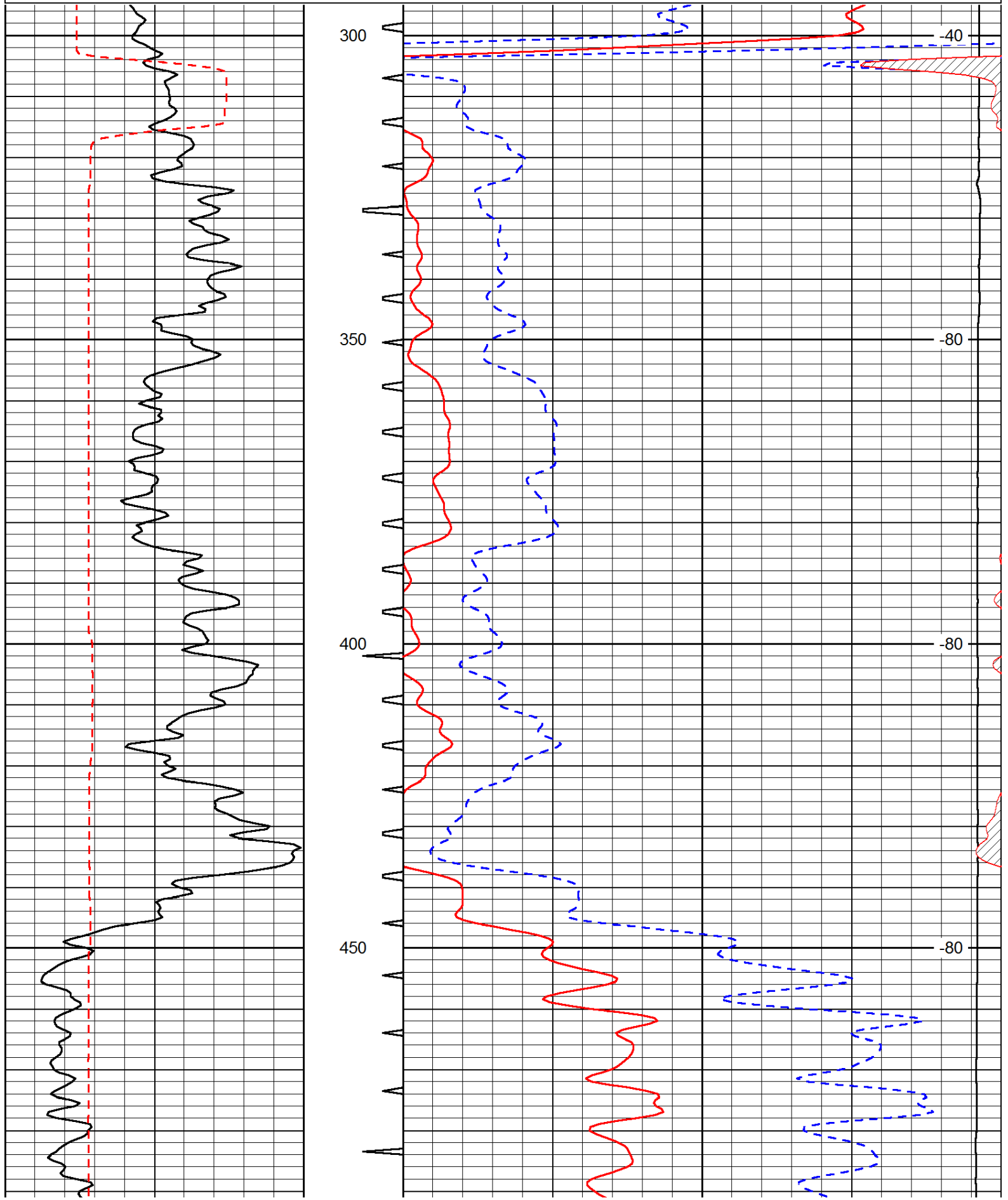
Comments

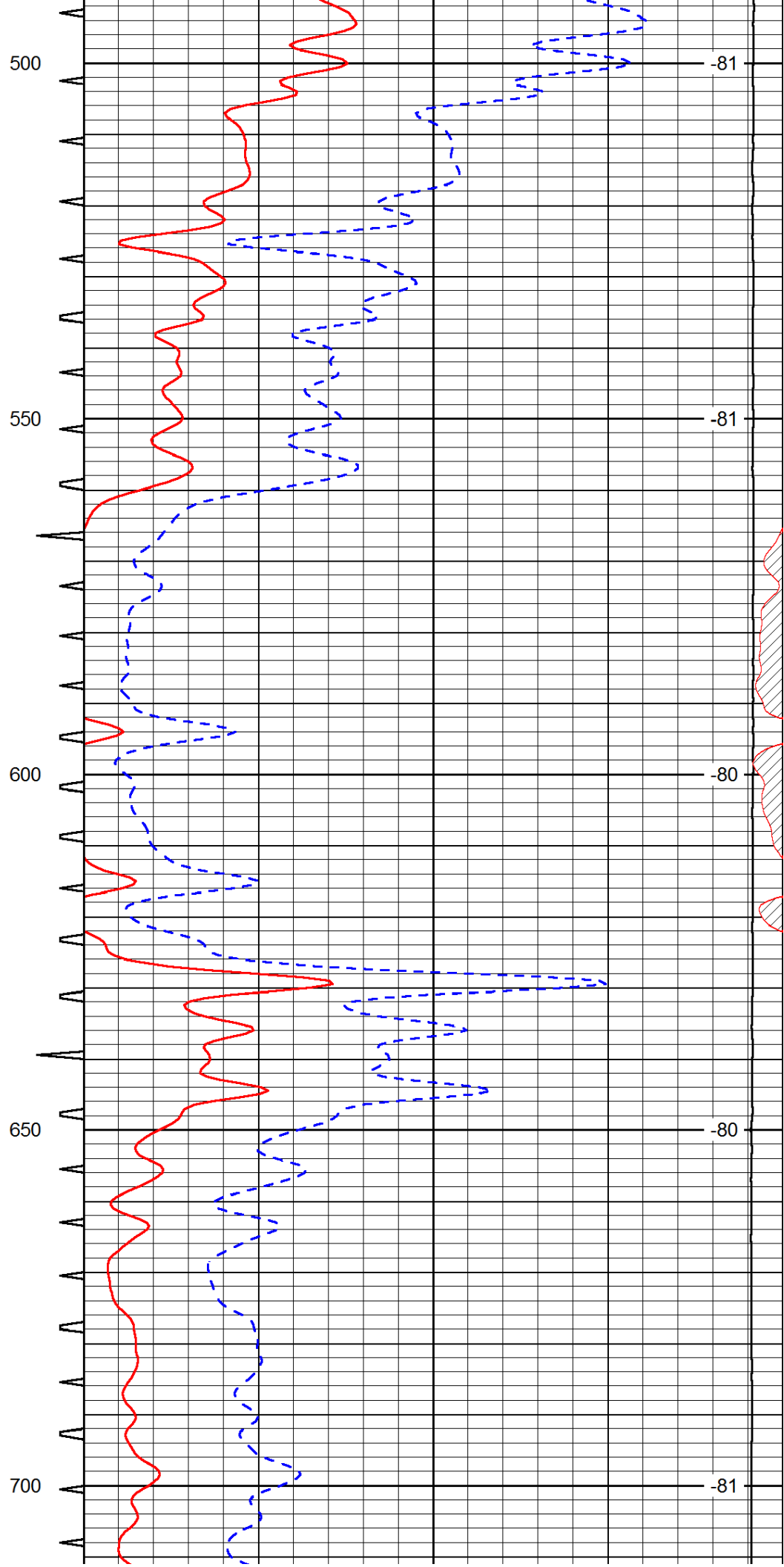
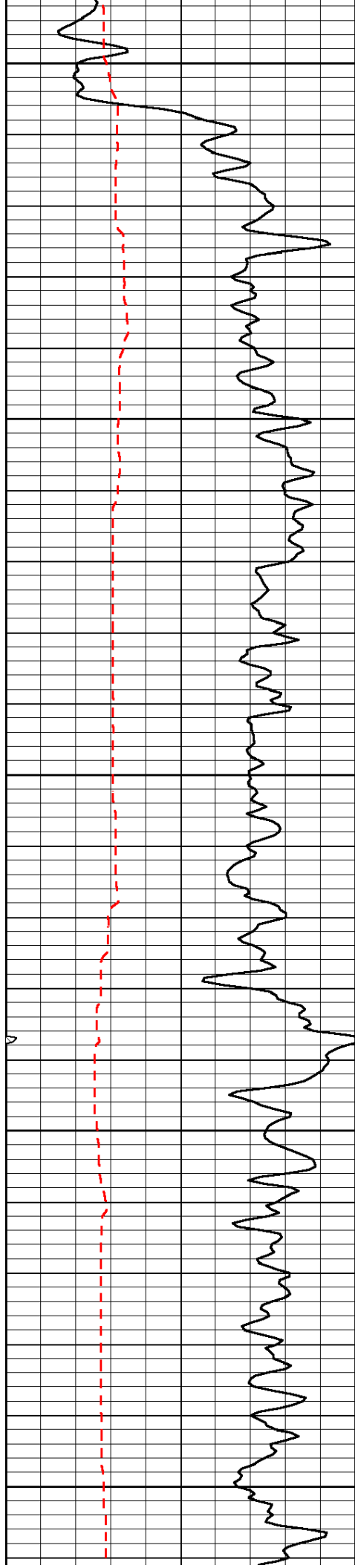
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

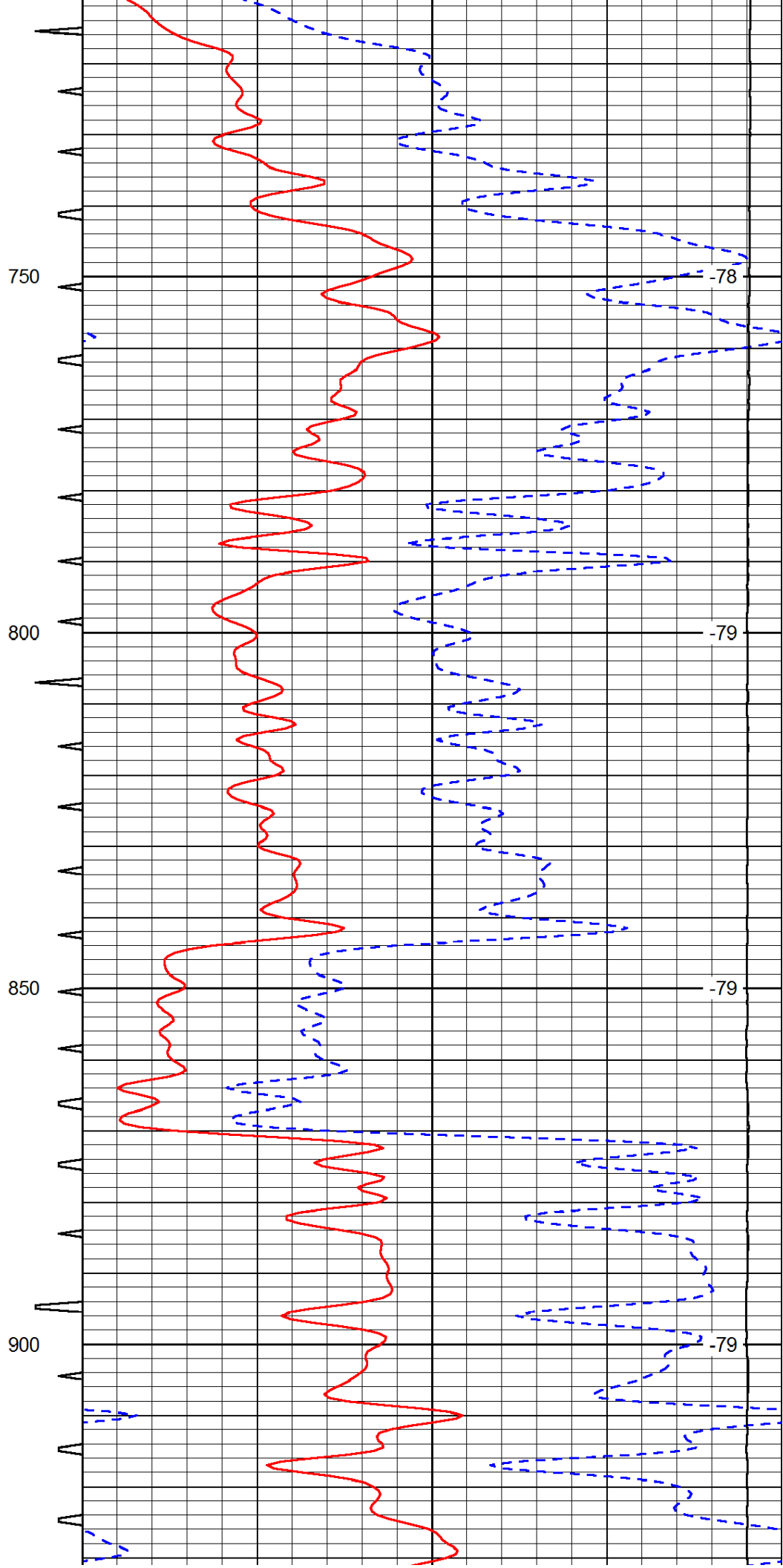
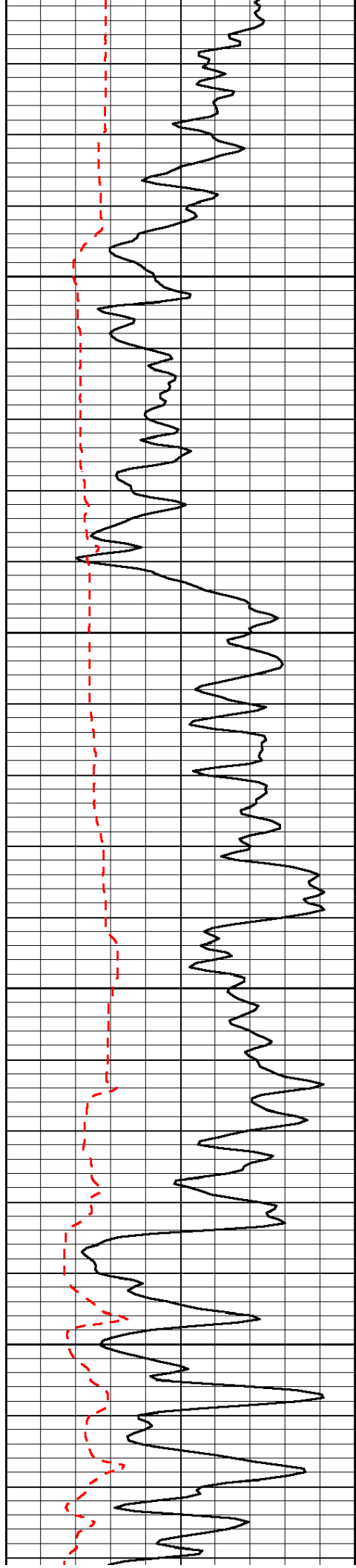
Scott City, 7 West, 2 3/4 North, West Into

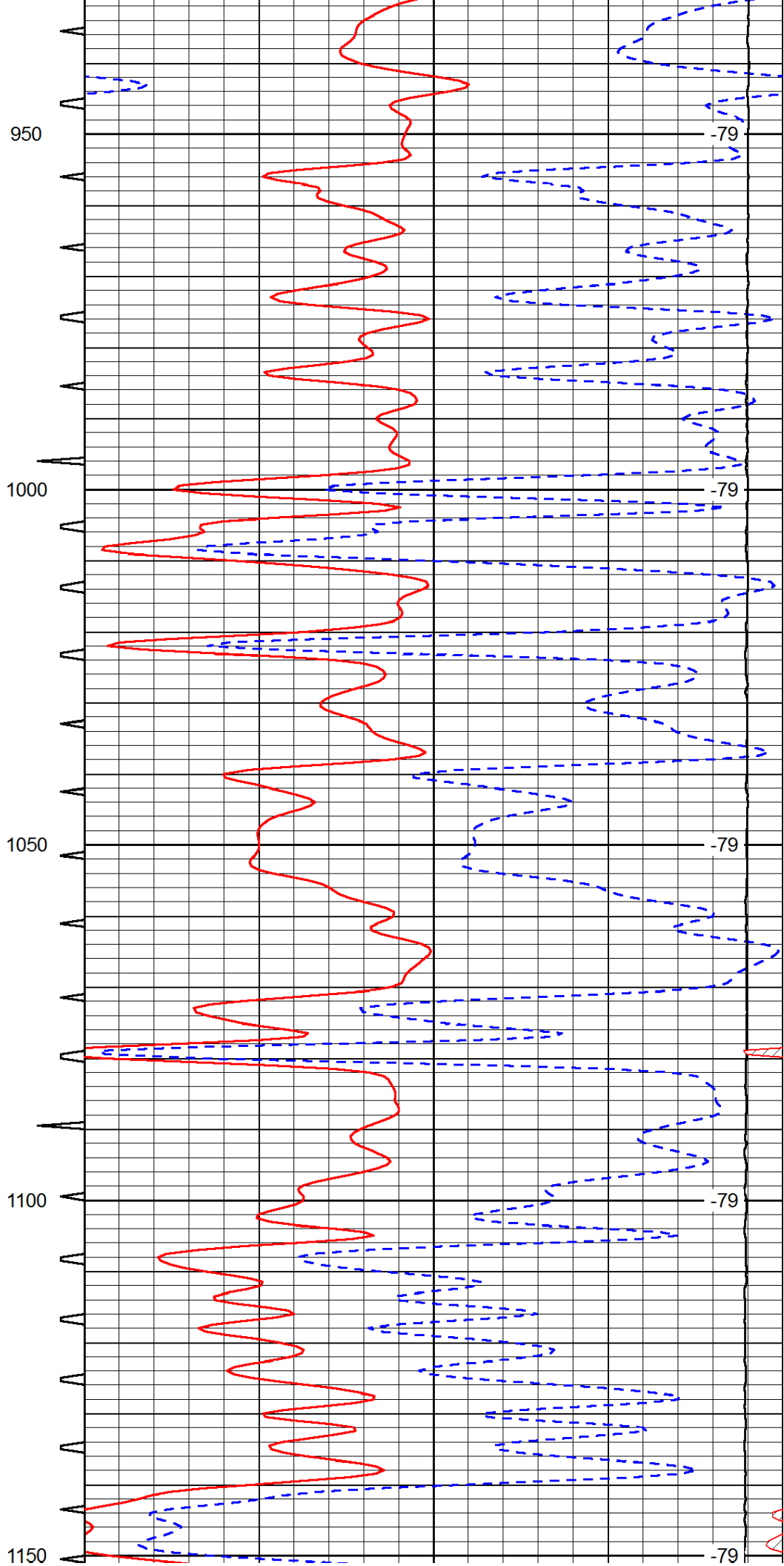
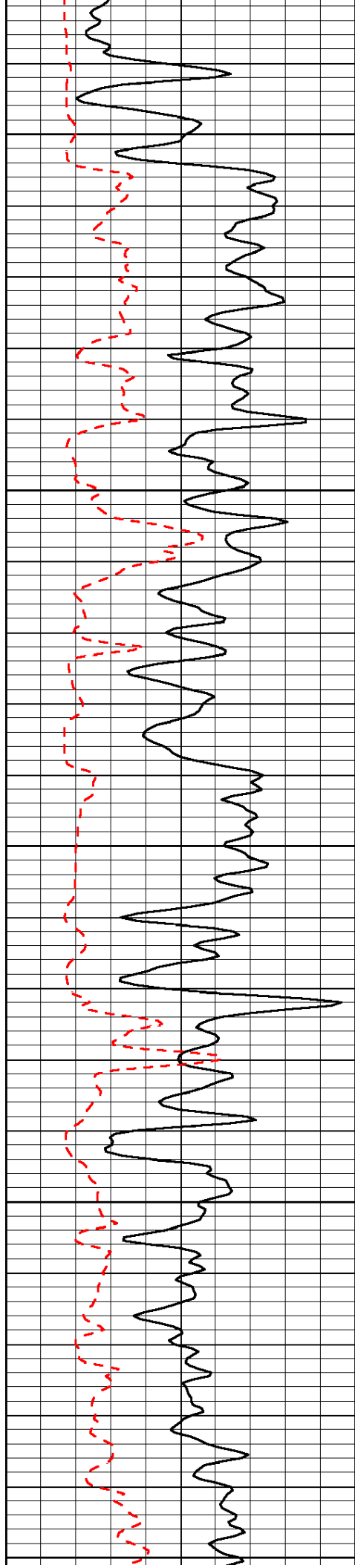
Database File: c:\warrior\data\amwar_palkowitsh #1-2\amwarrior_palkowitsh_1-2hd.db
Dataset Pathname: dil\awstck
Presentation Format: sonic
Dataset Creation: Sat Feb 22 15:39:30 2014
Charted by: Depth in Feet scaled 1:240

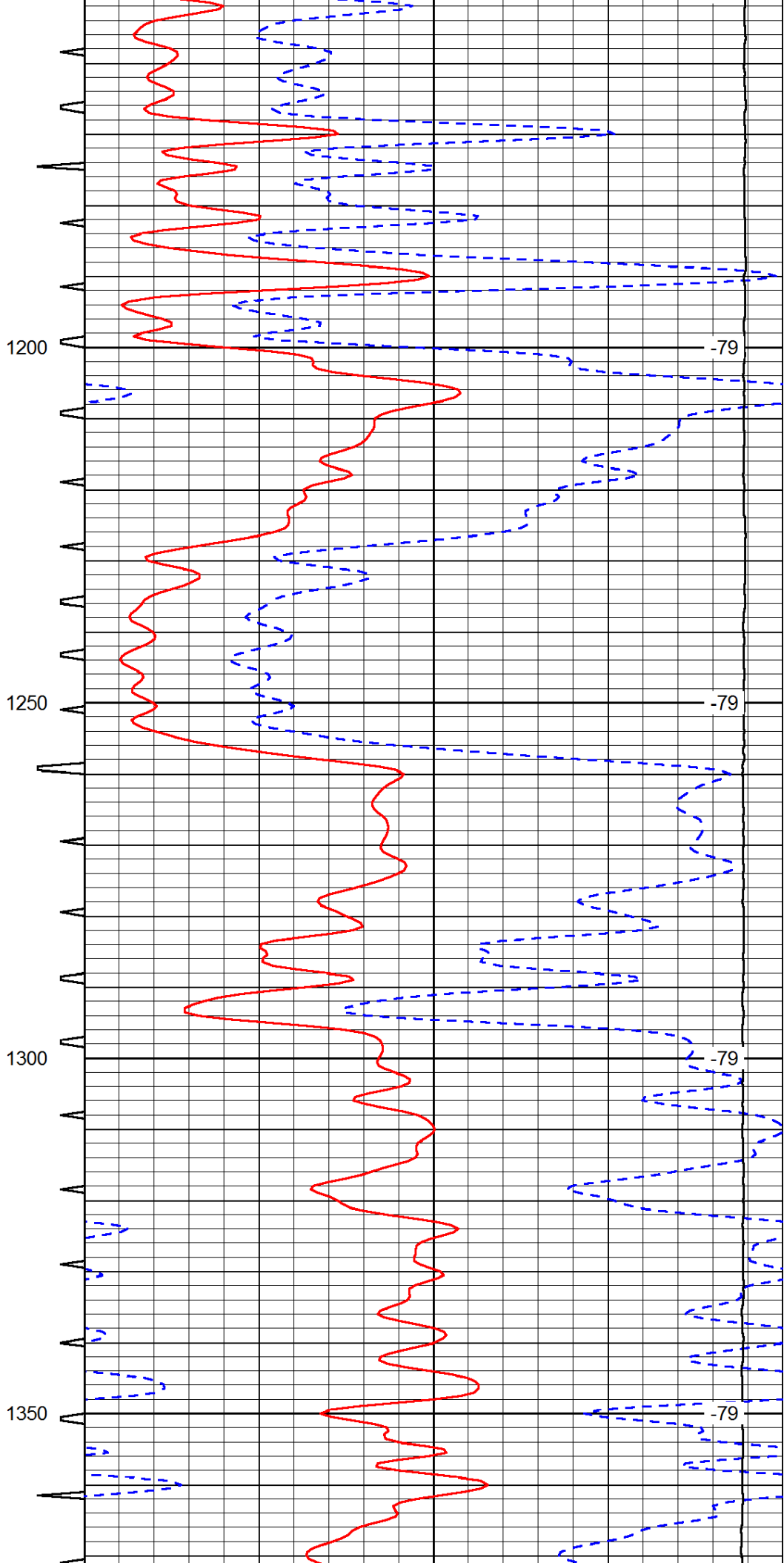
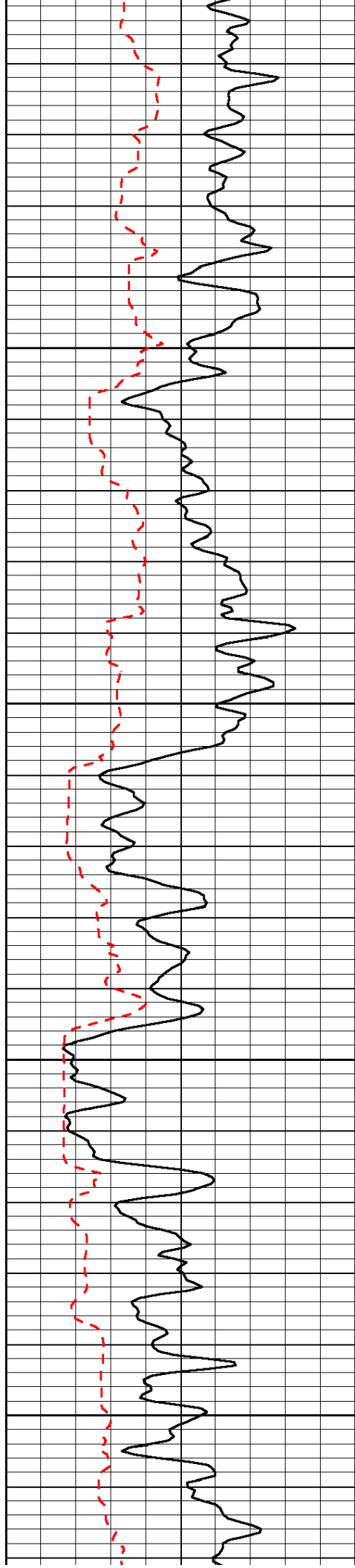
Charted by:			Depth in feet scaled 1:2.15						
0	Gamma Ray	150	Sonic Int	5	0	140	Delta Time (usec/ft)		40
150	Gamma Ray	300				30	SPOR		-10
6	Caliper (GAPI)	16				15000	LTEN (lb)		0
						LSPD			

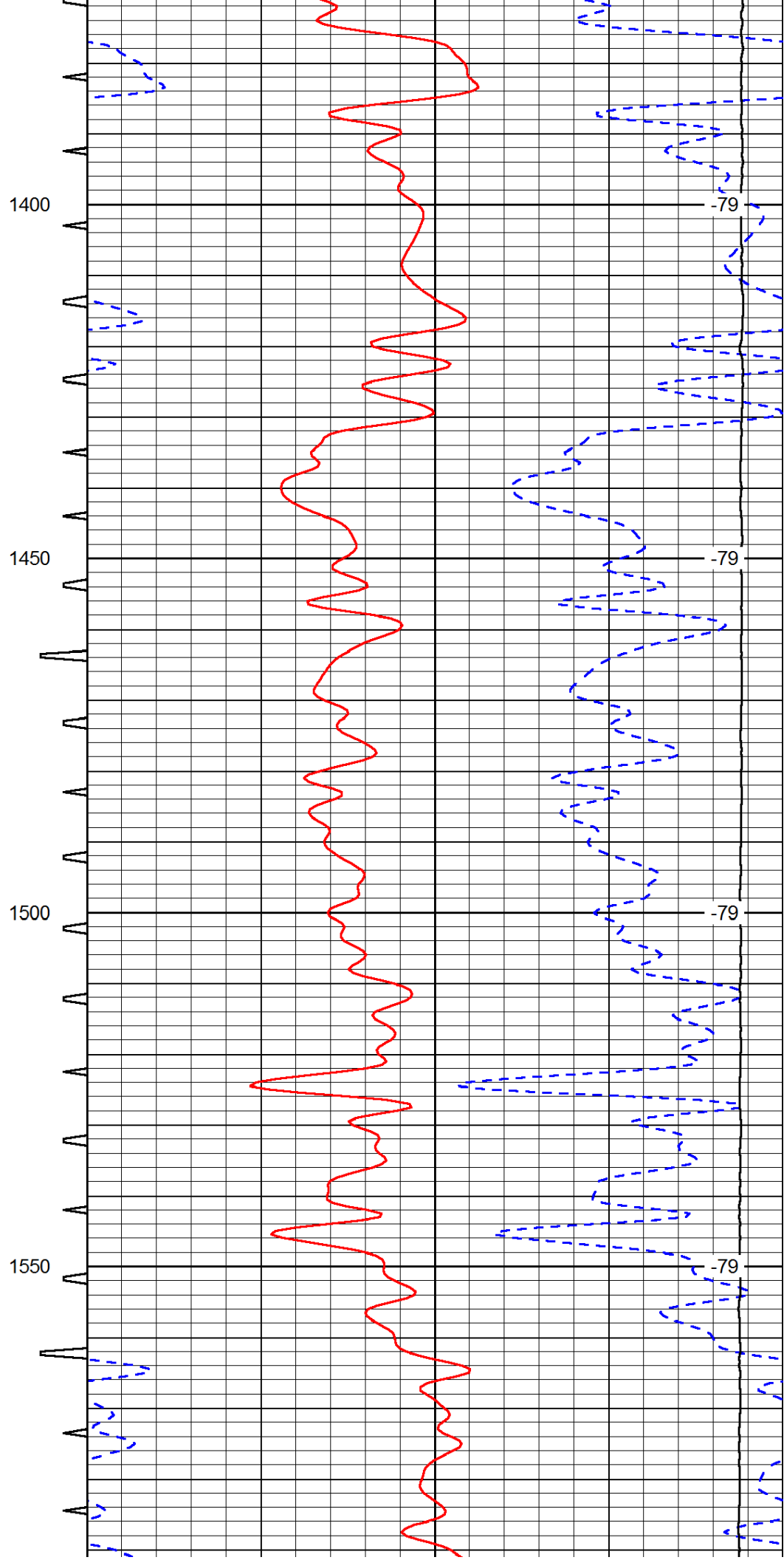
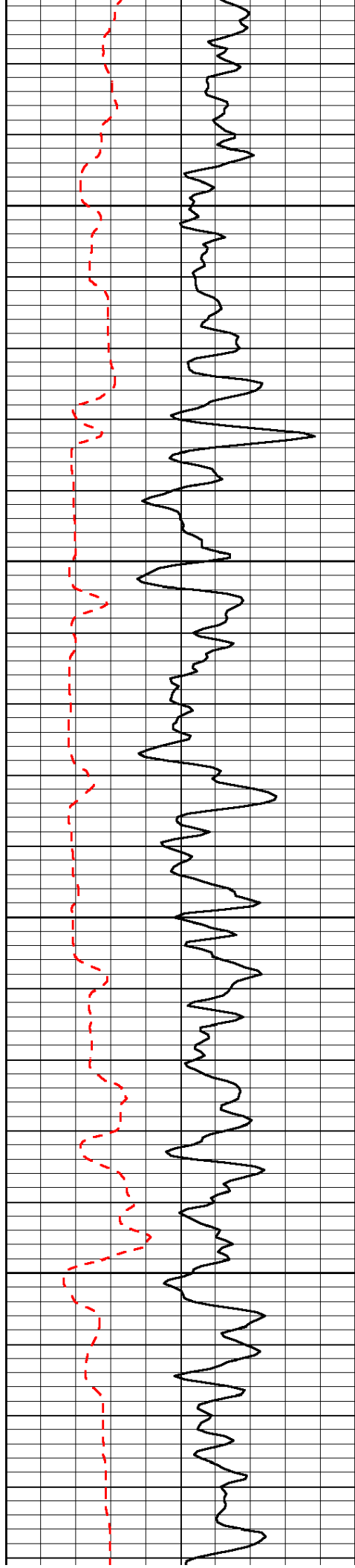


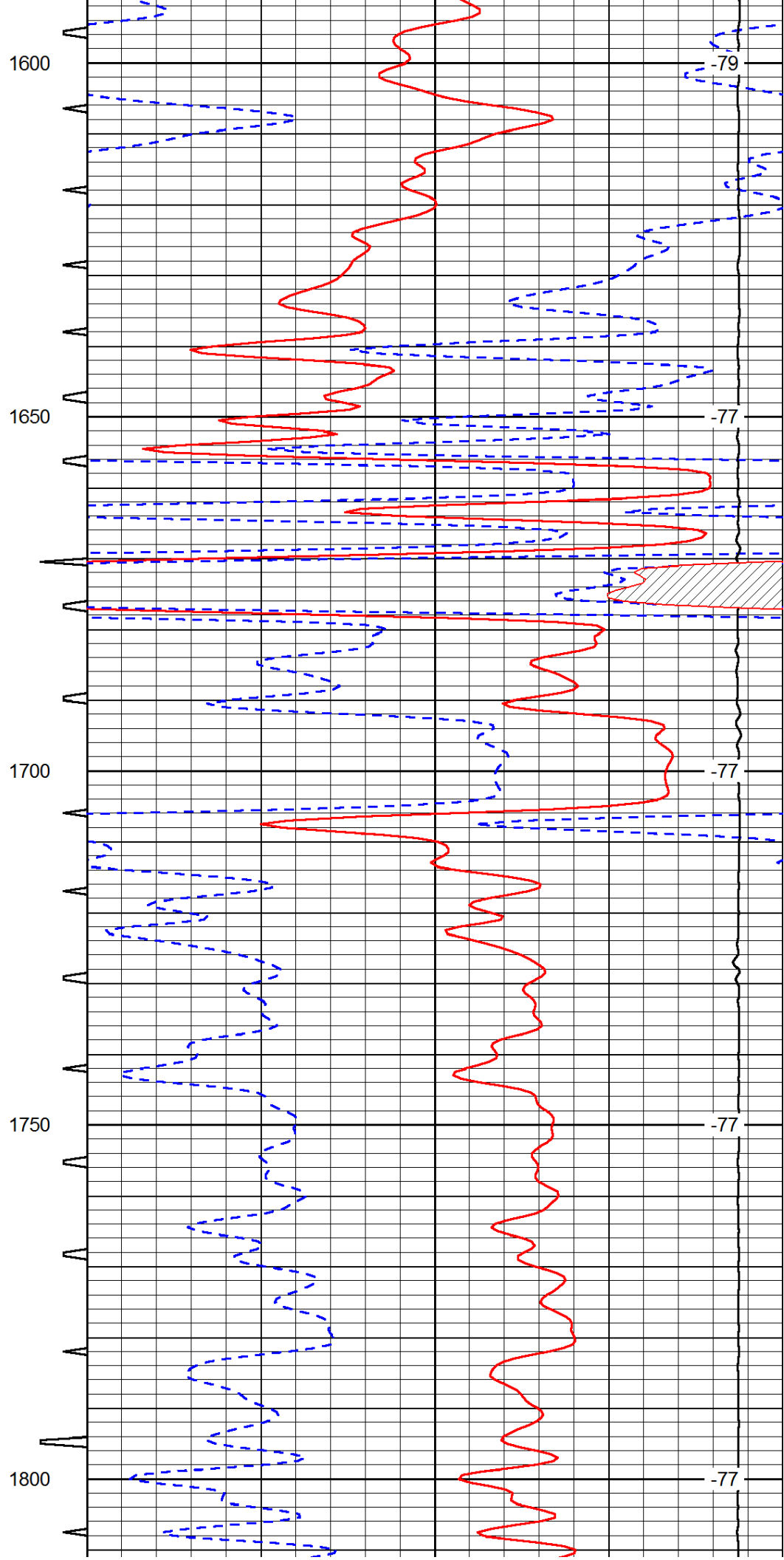
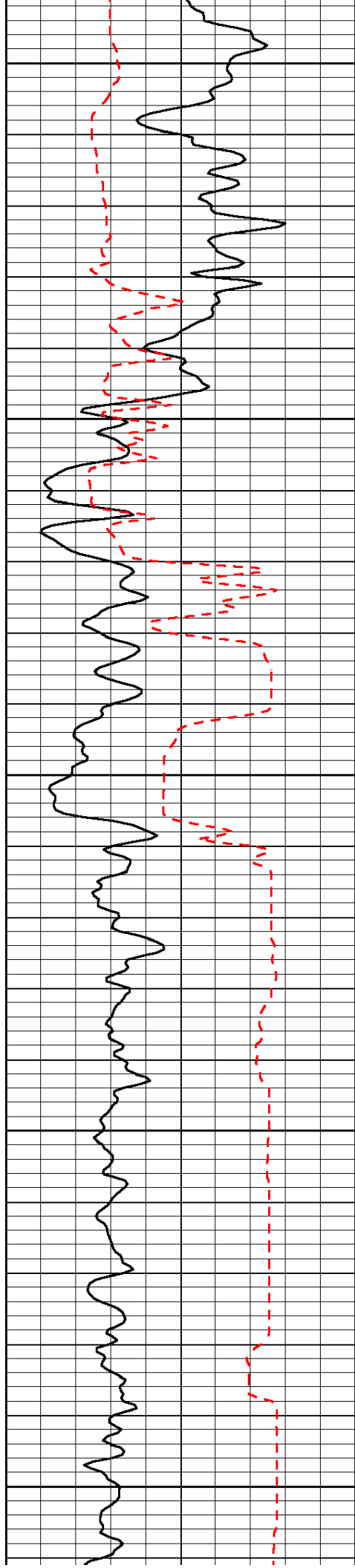


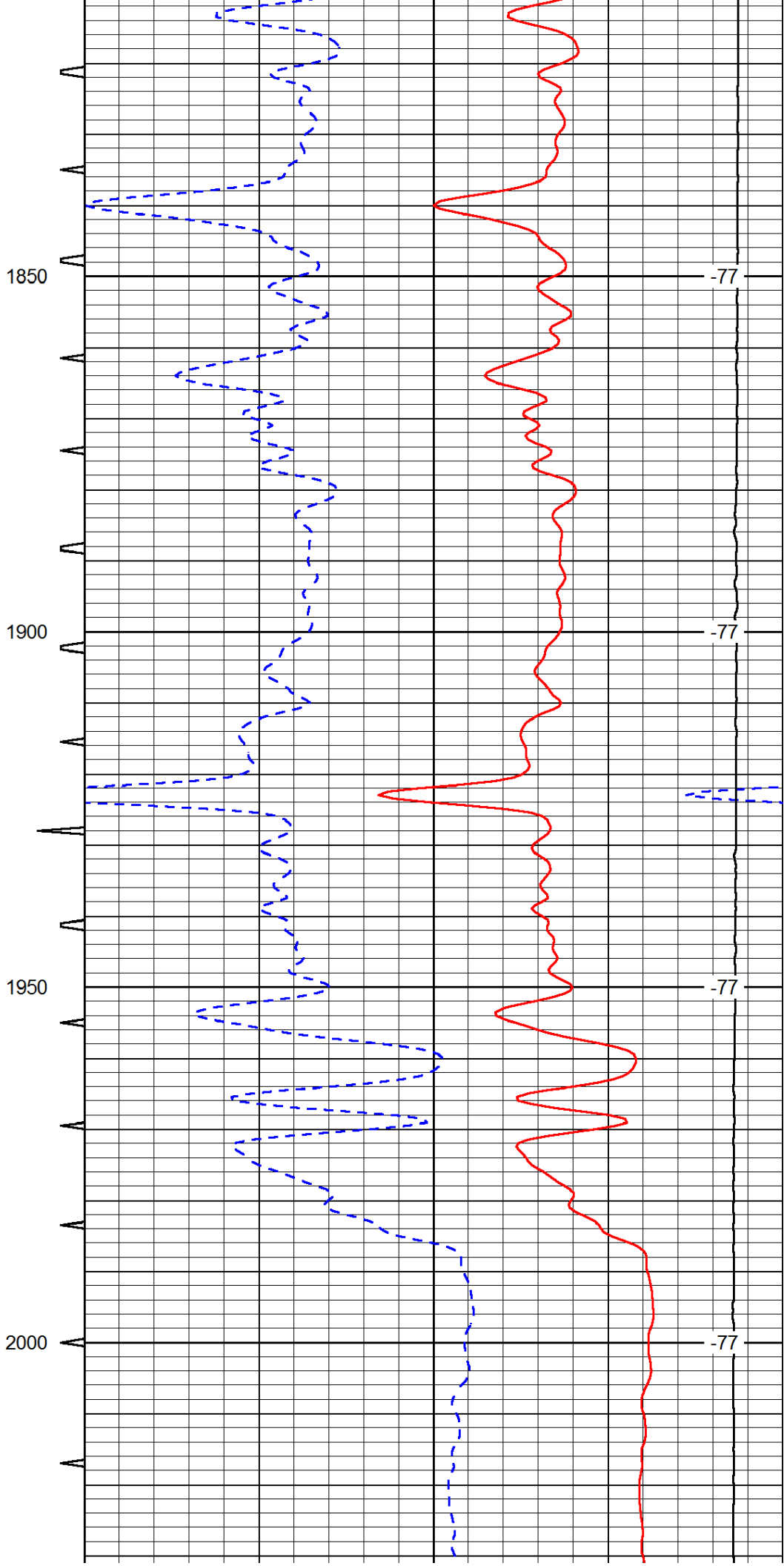
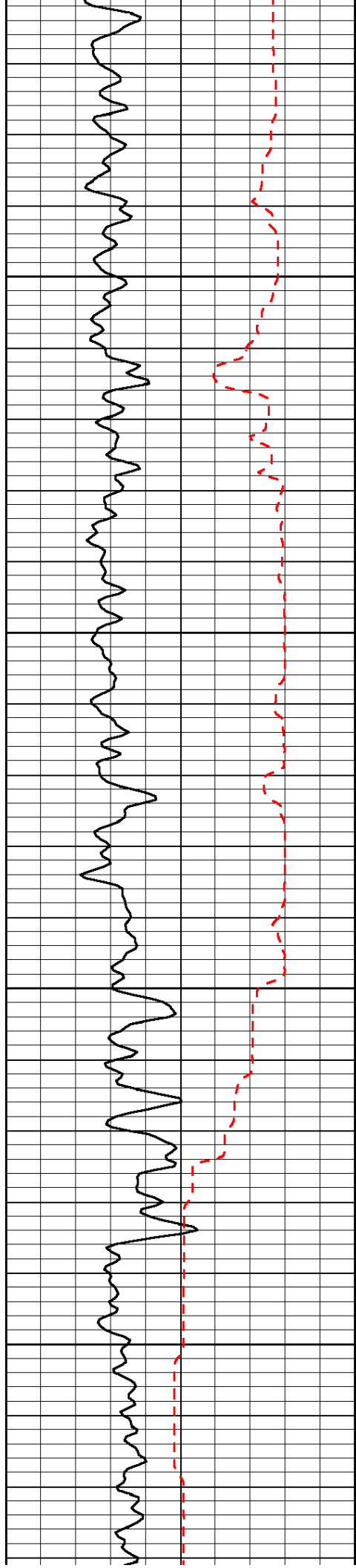


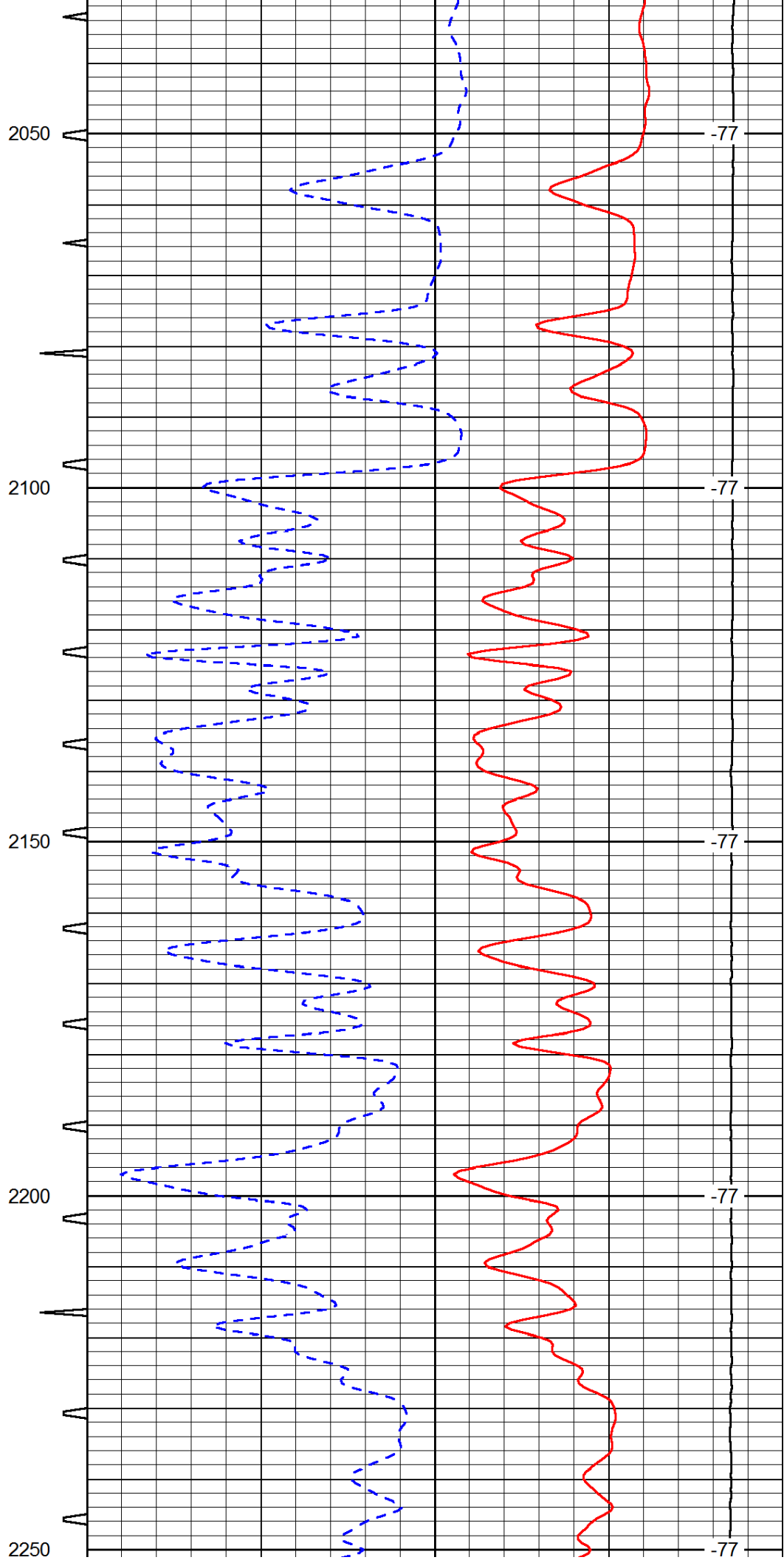
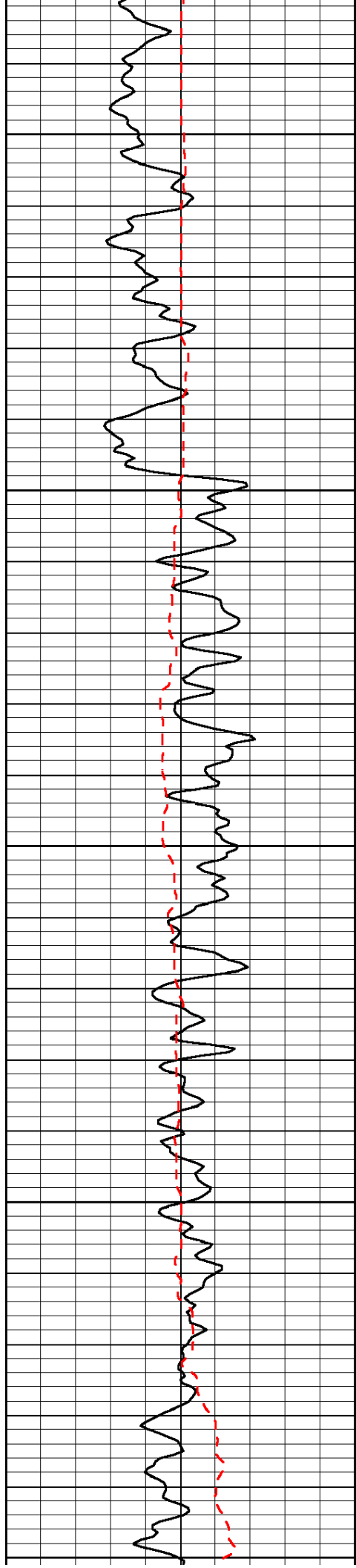


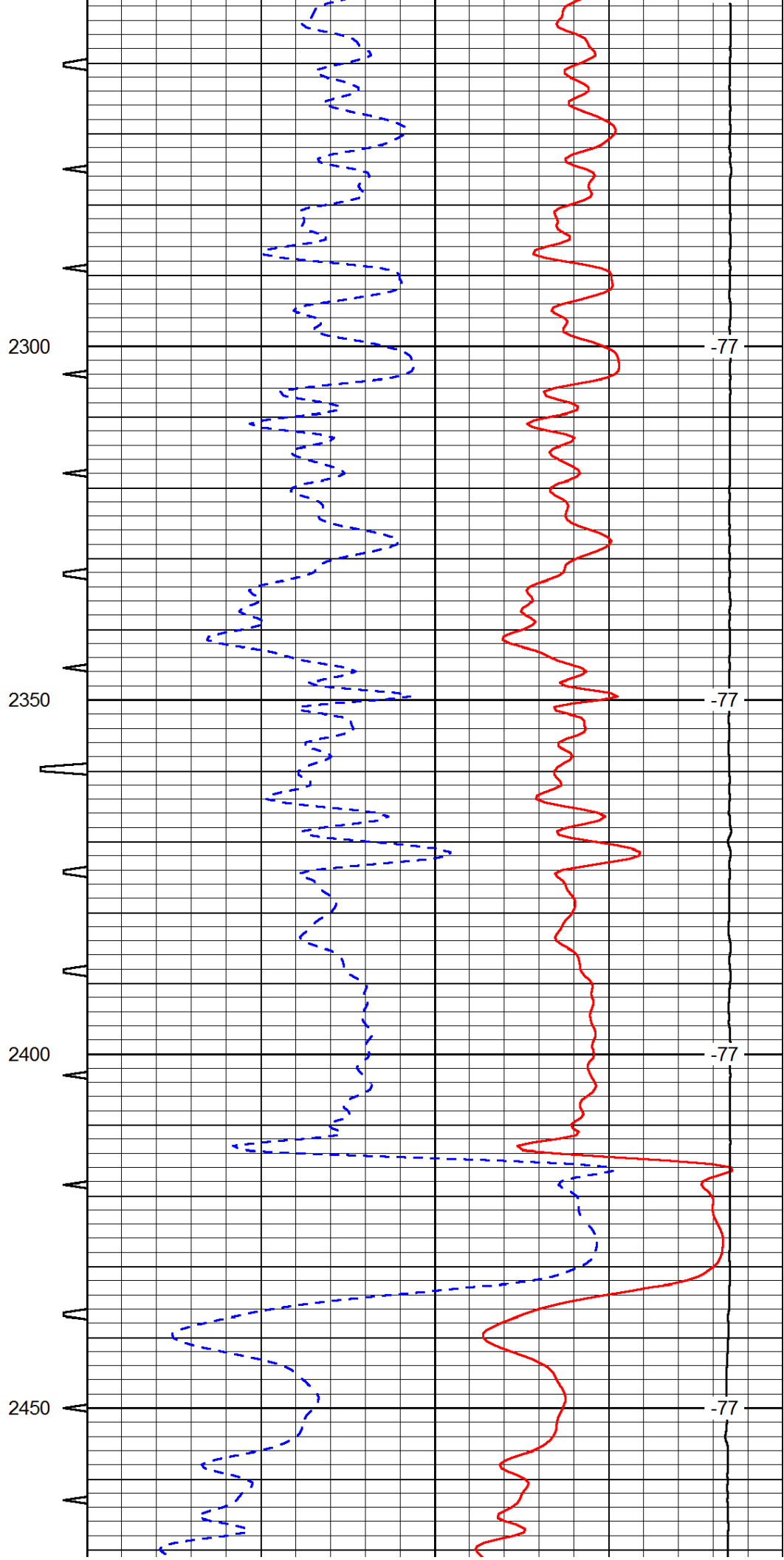
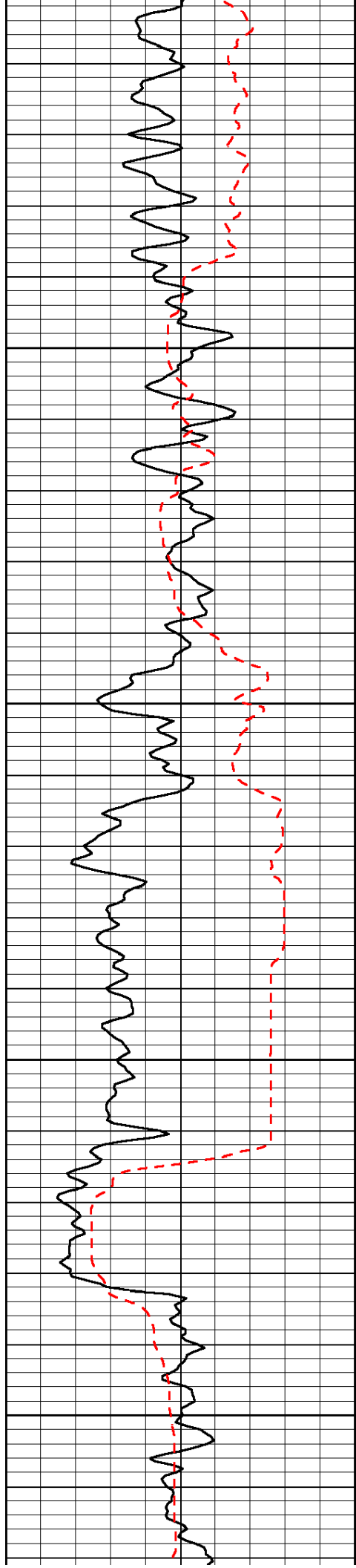


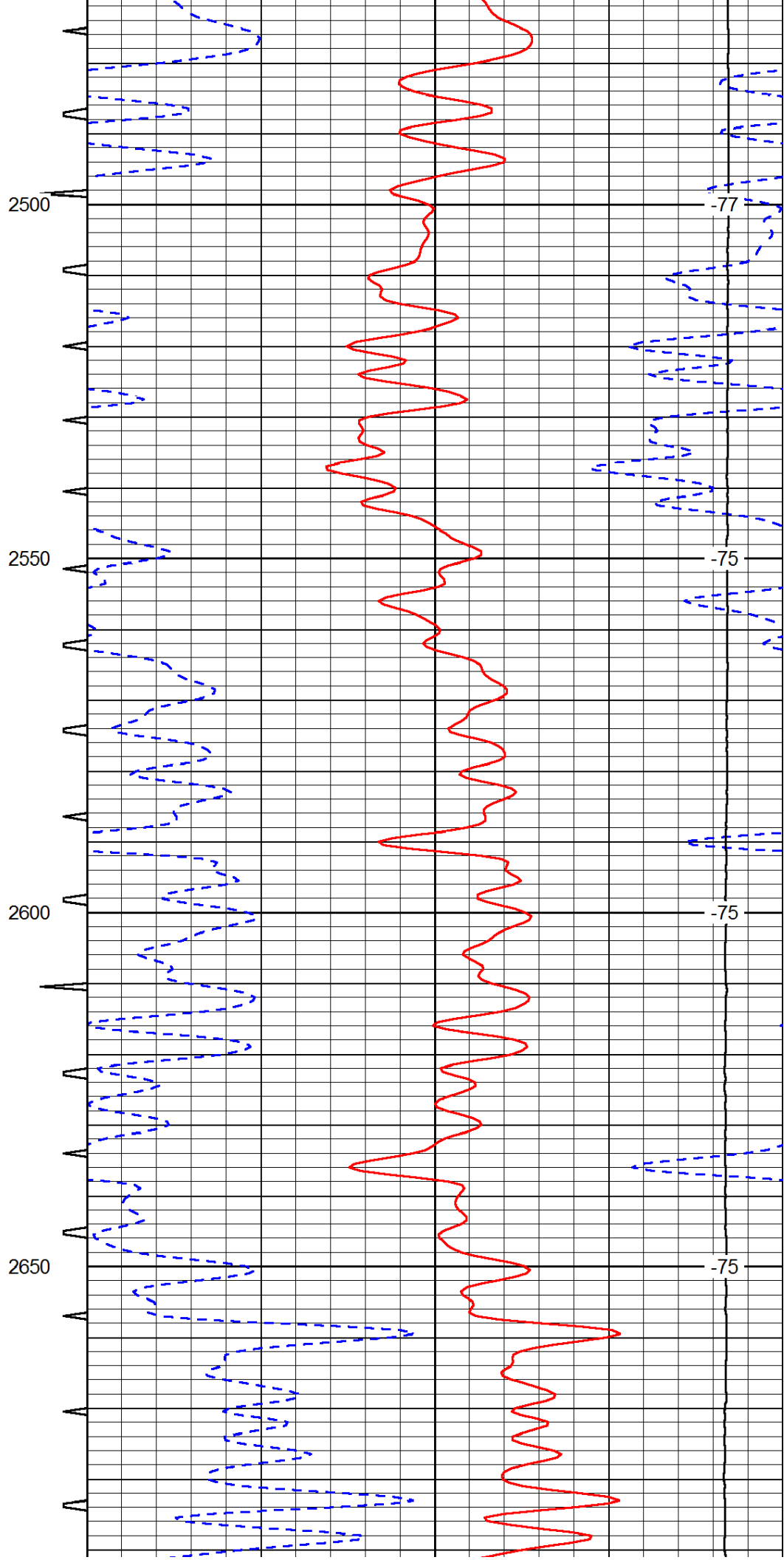
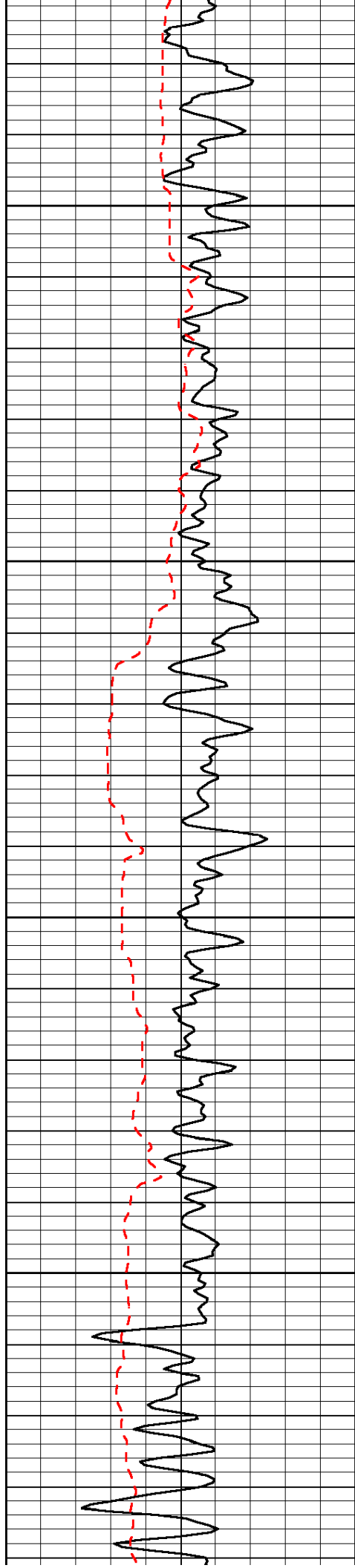


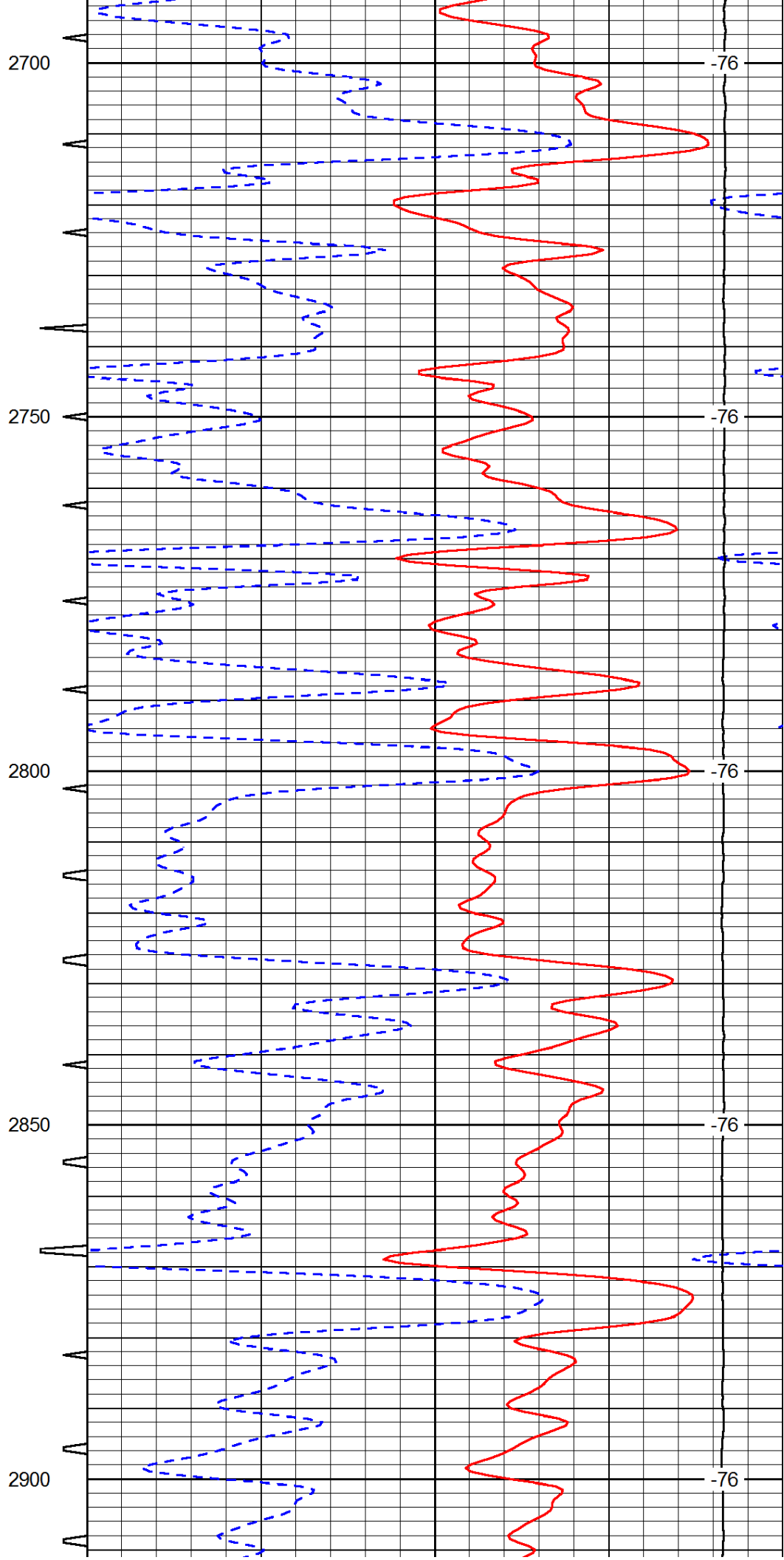
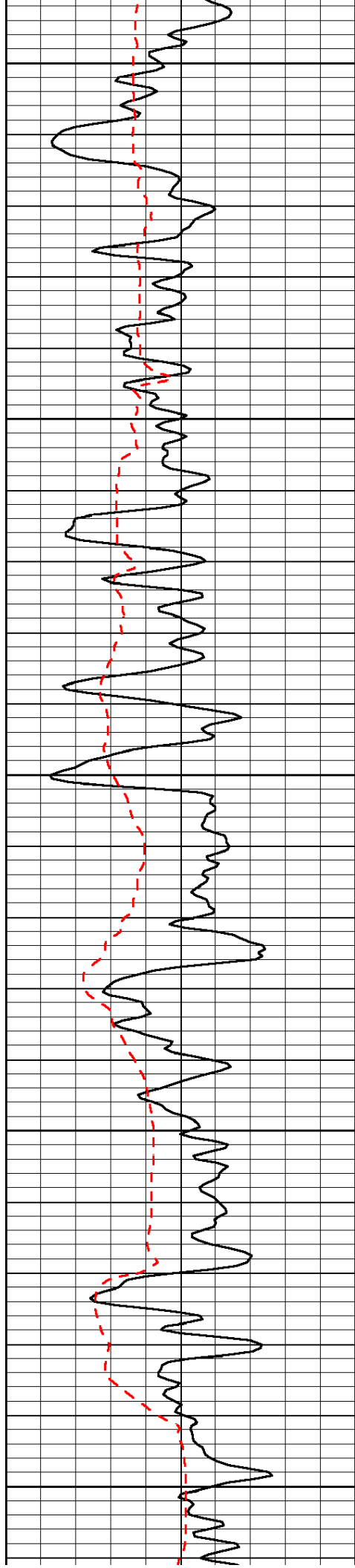


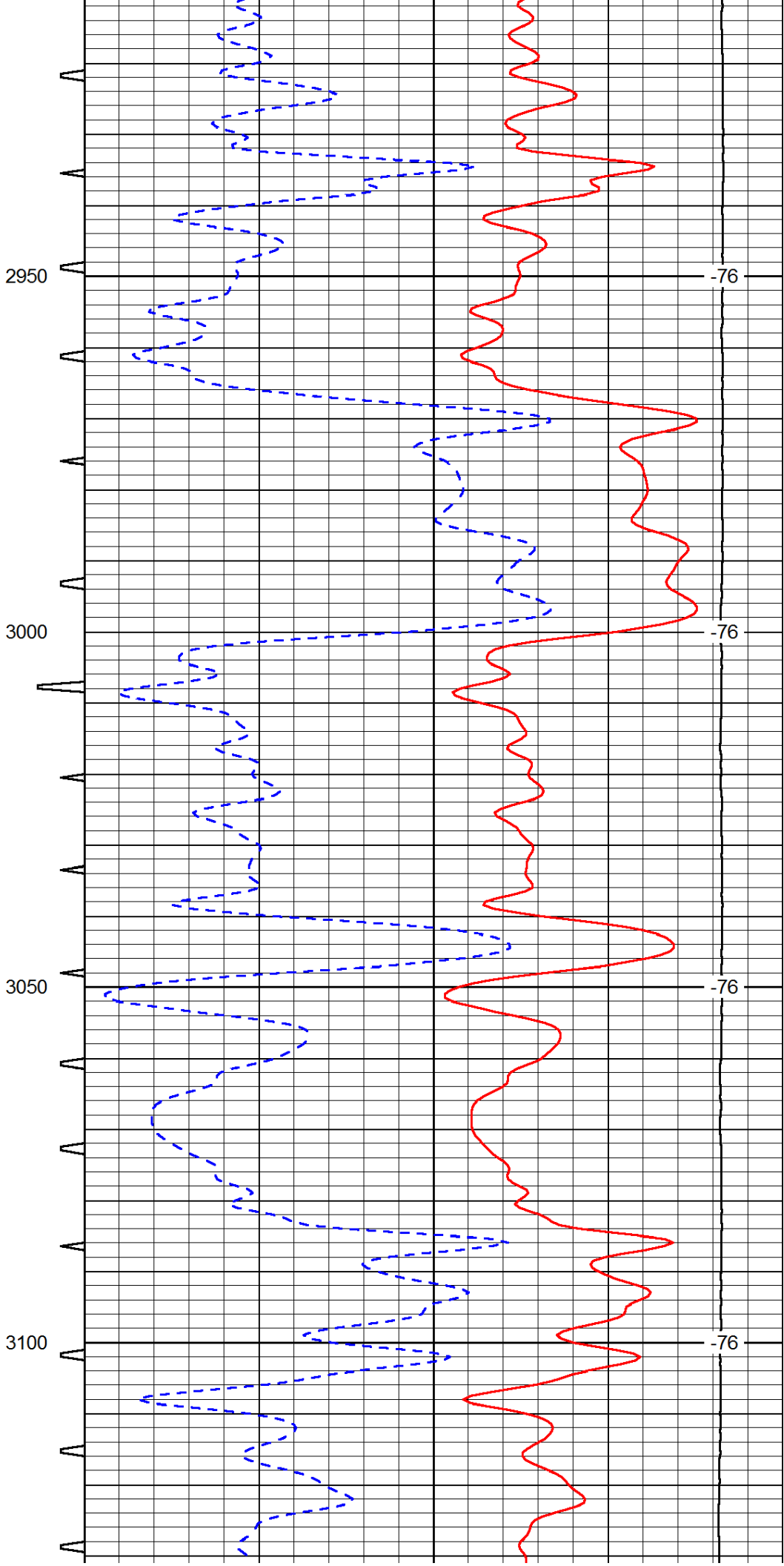
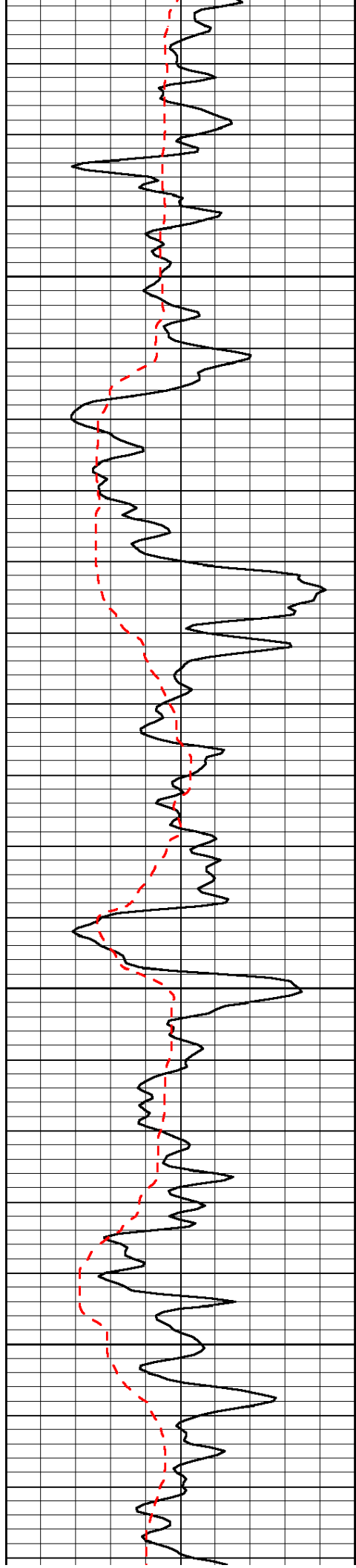


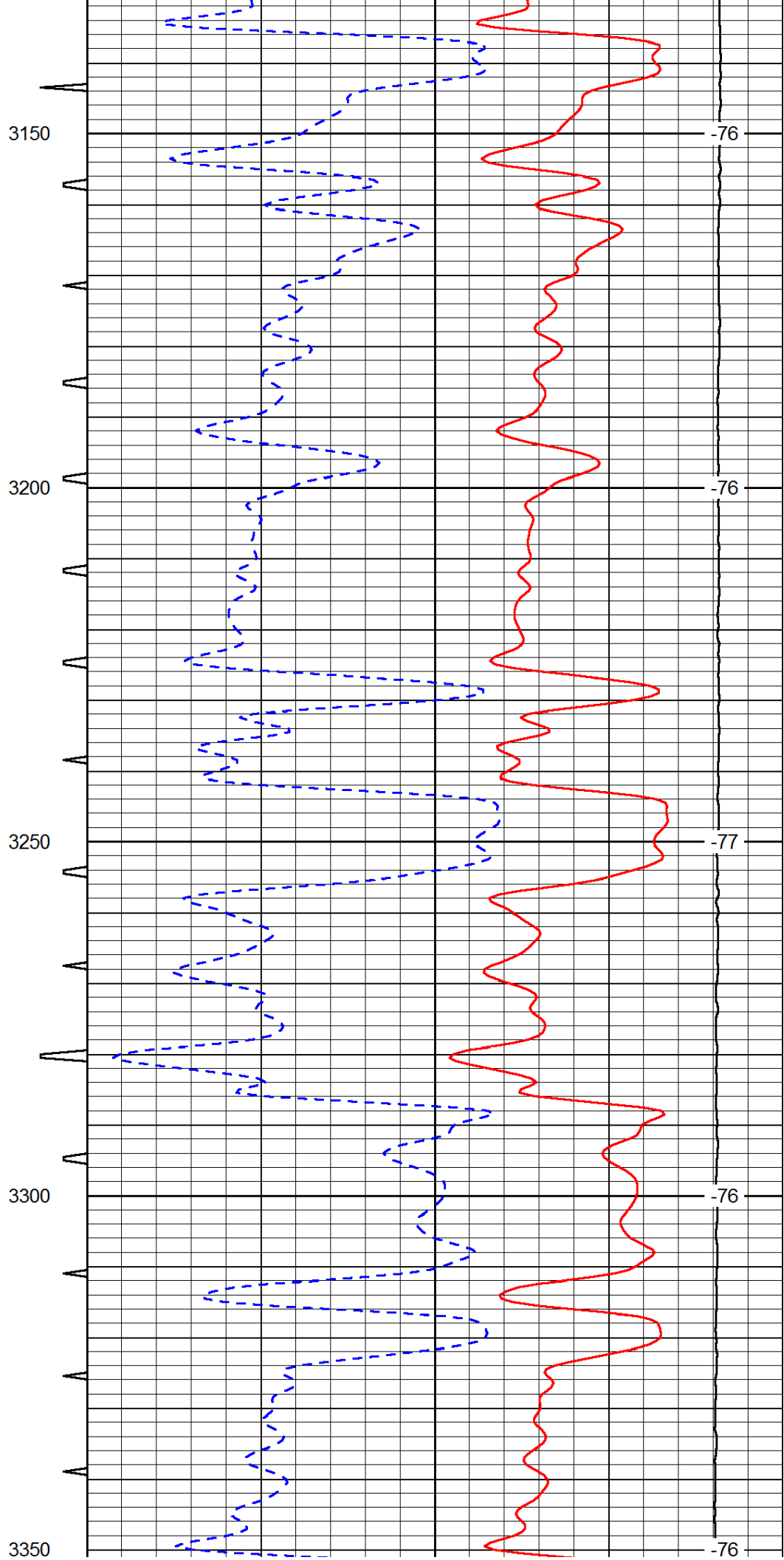
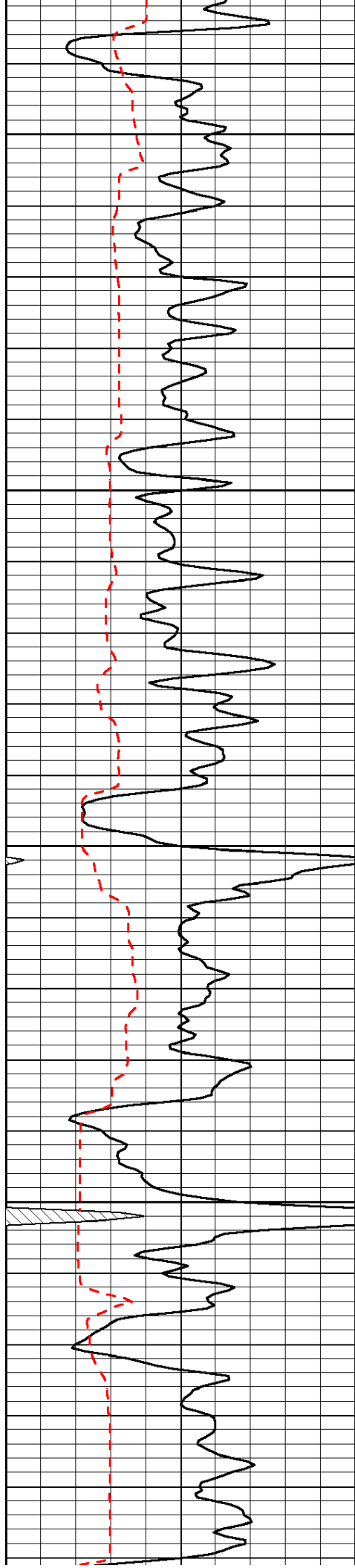


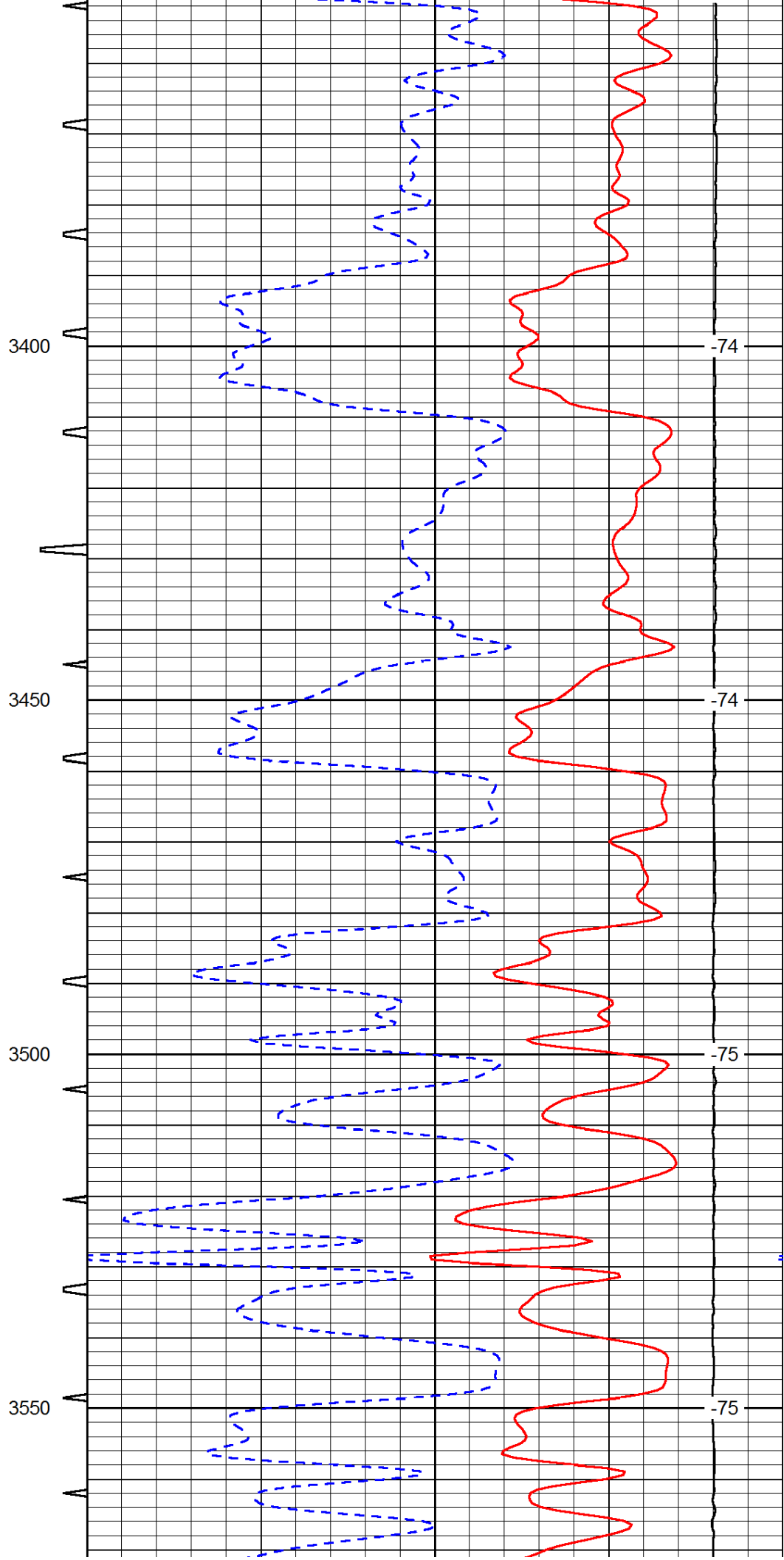
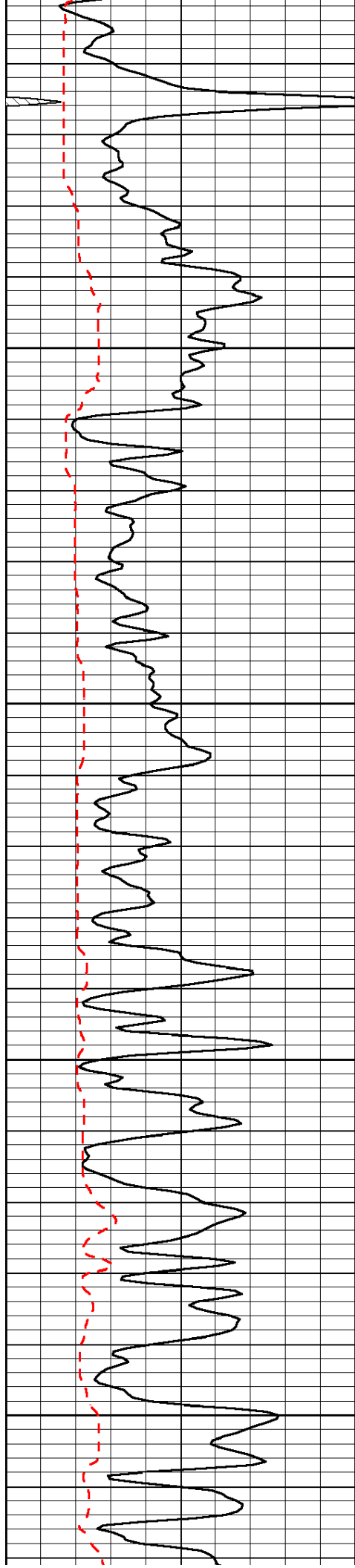


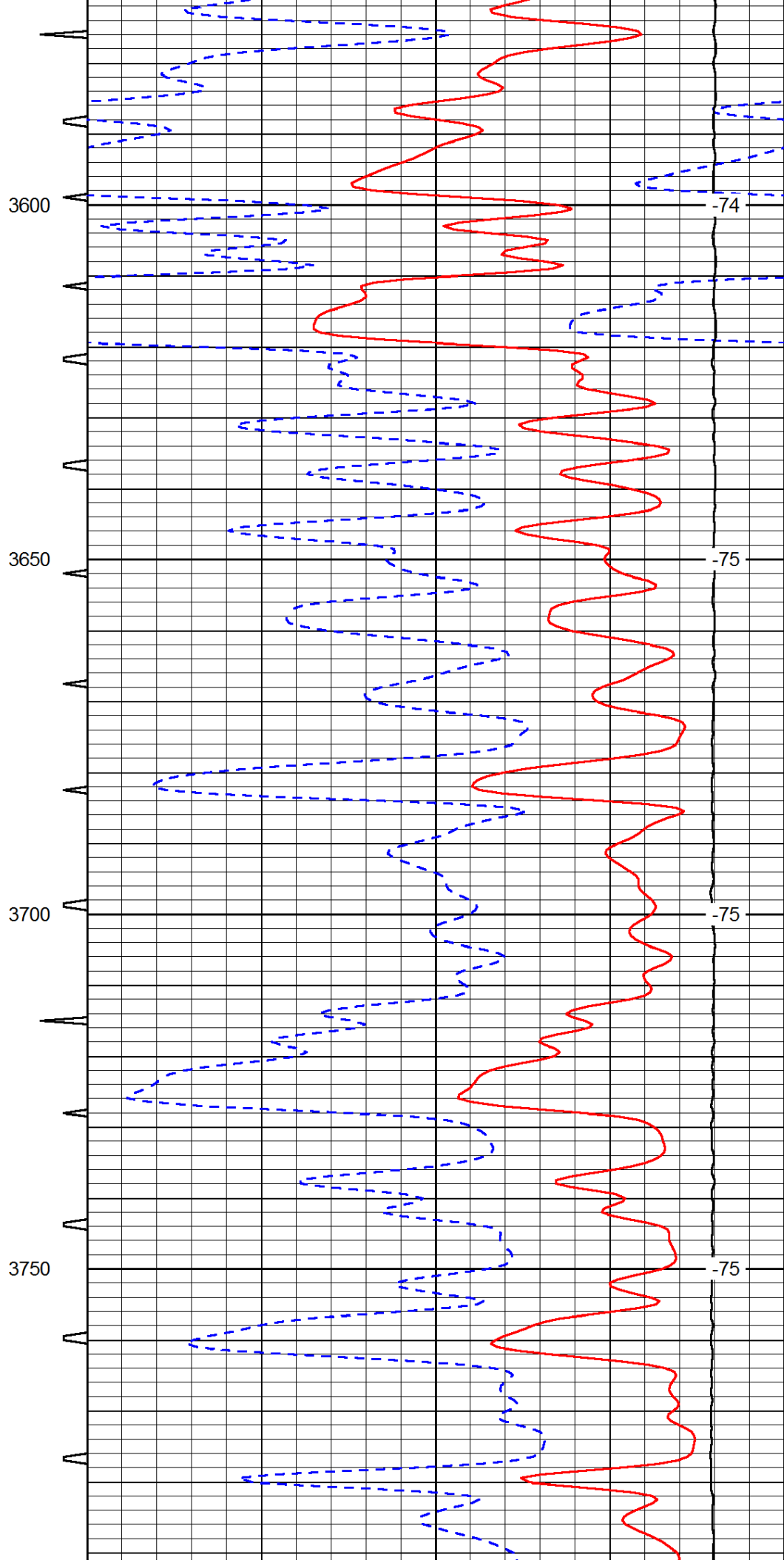
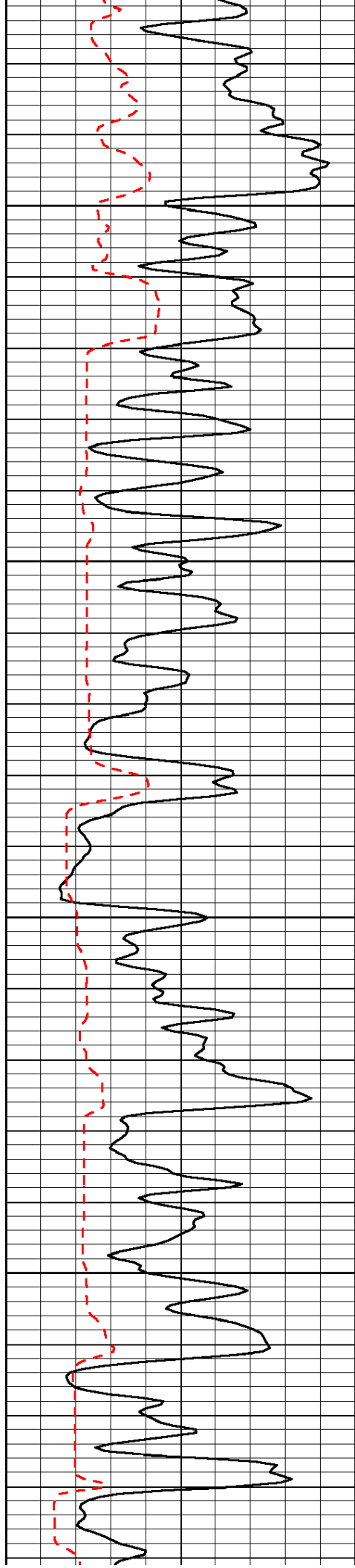


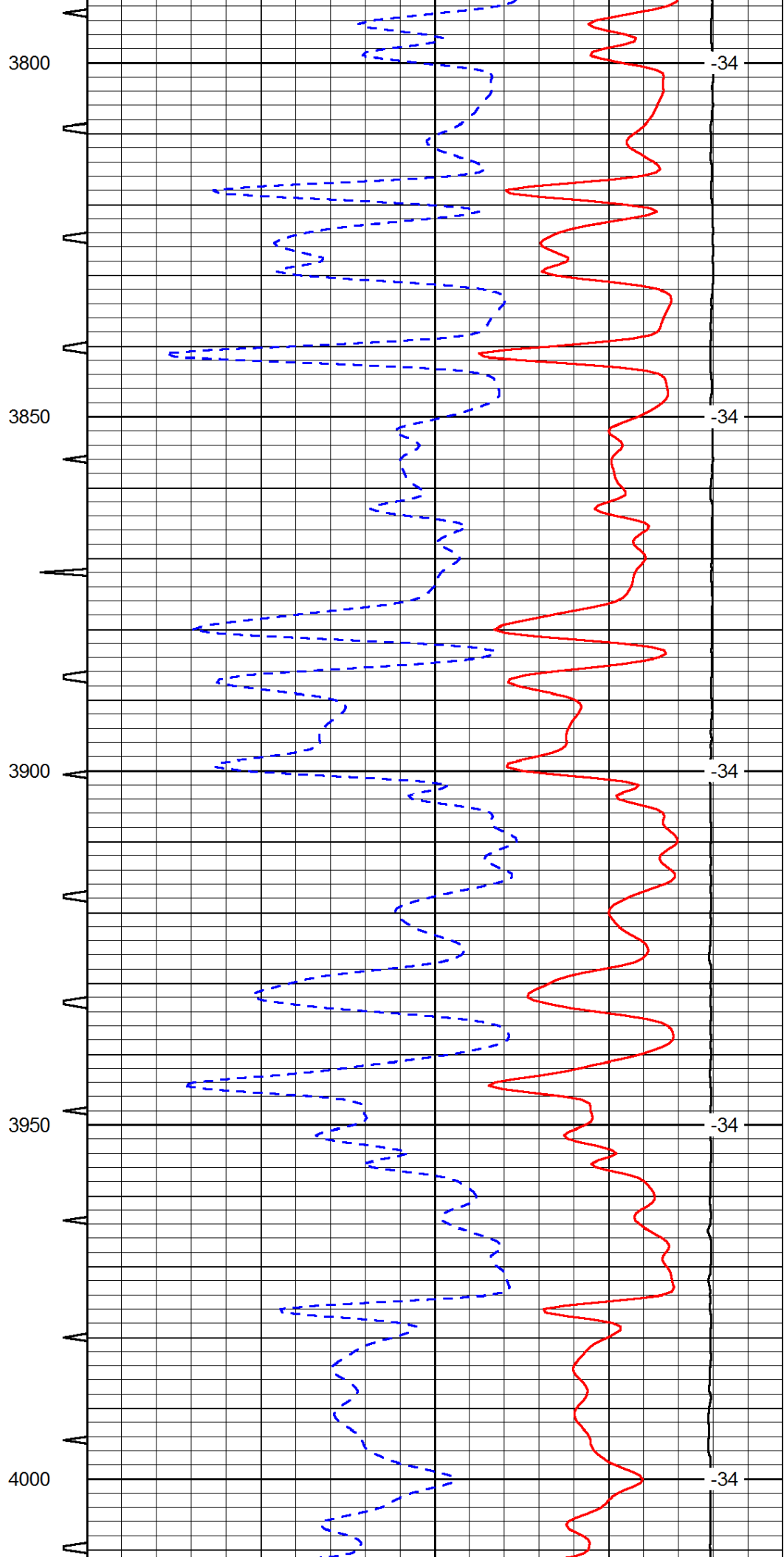
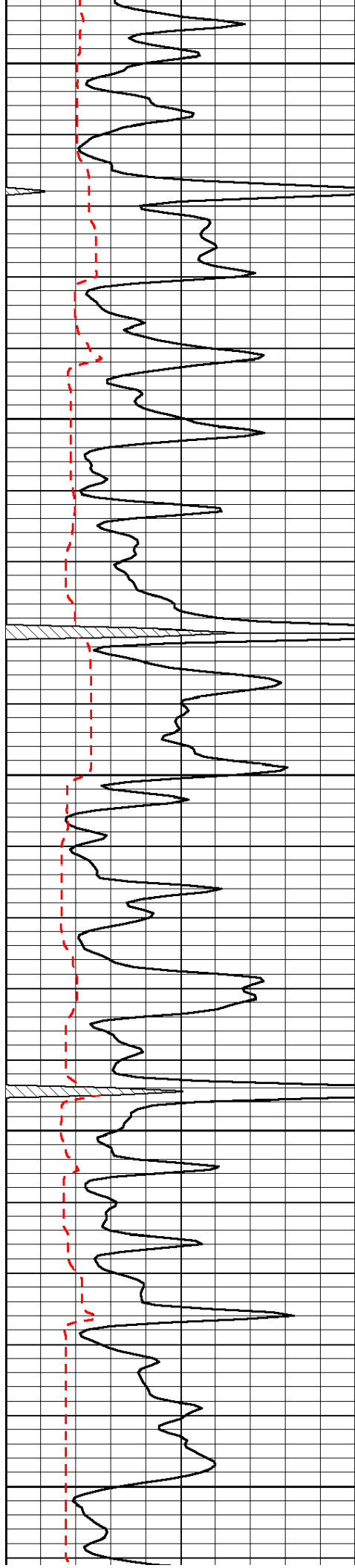


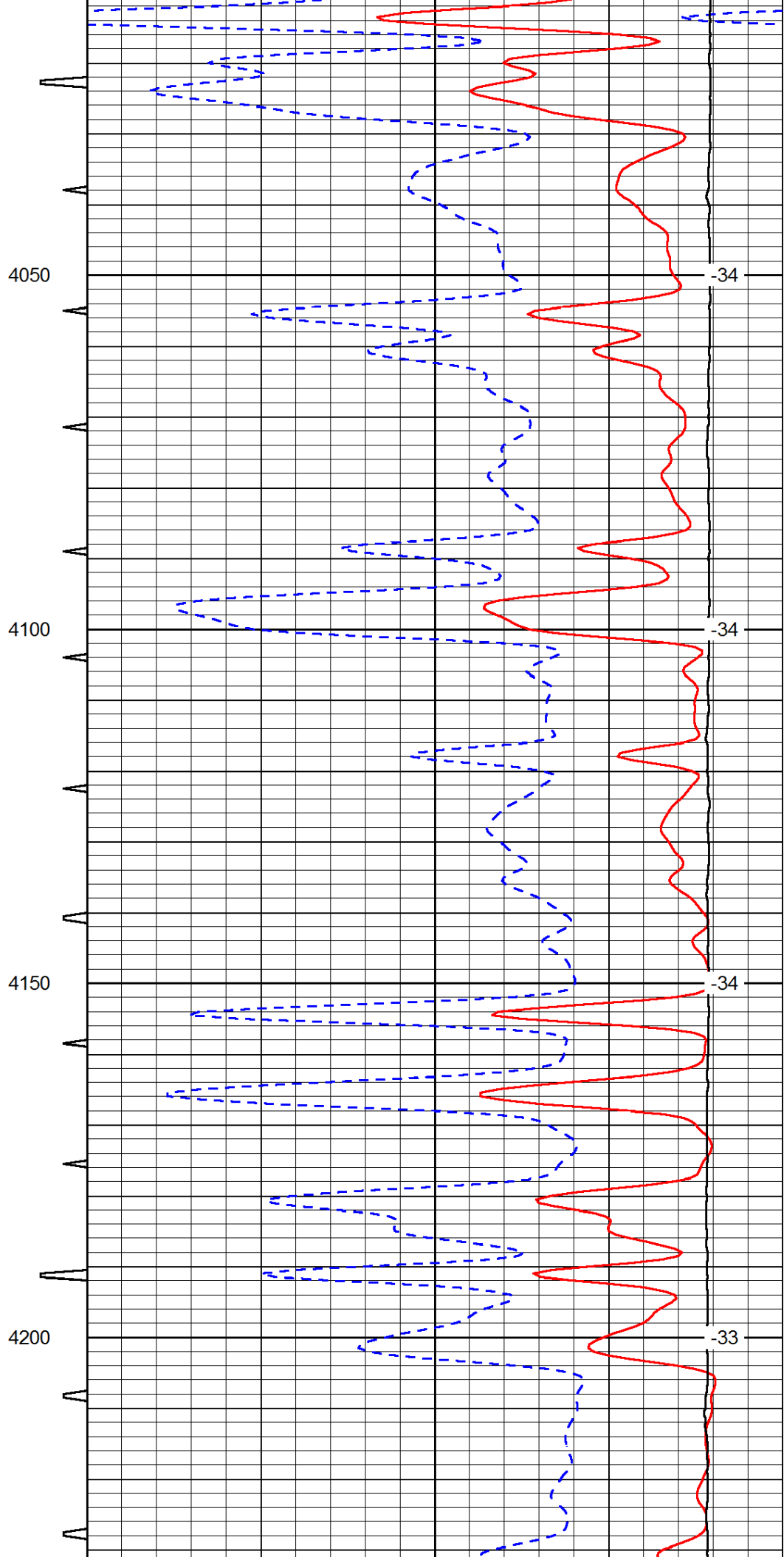
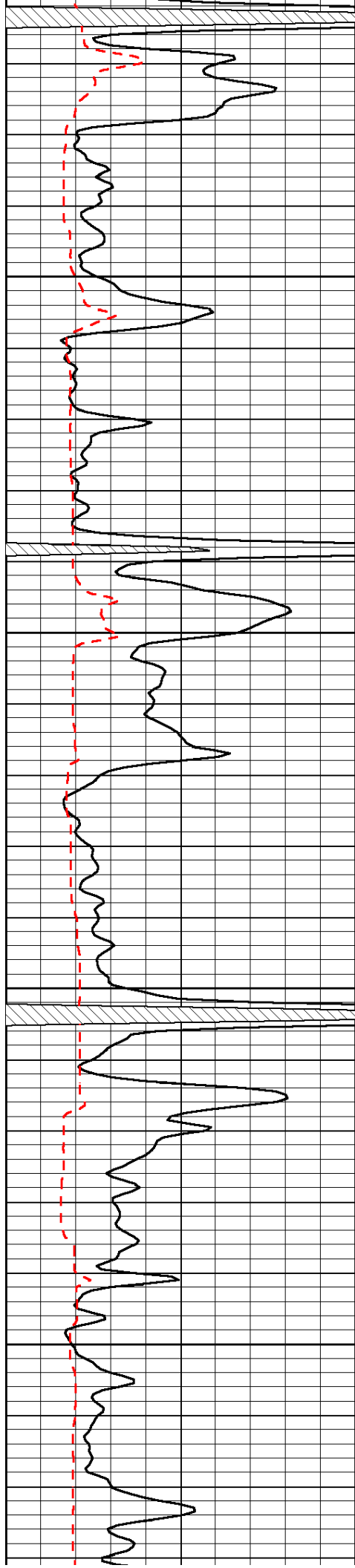


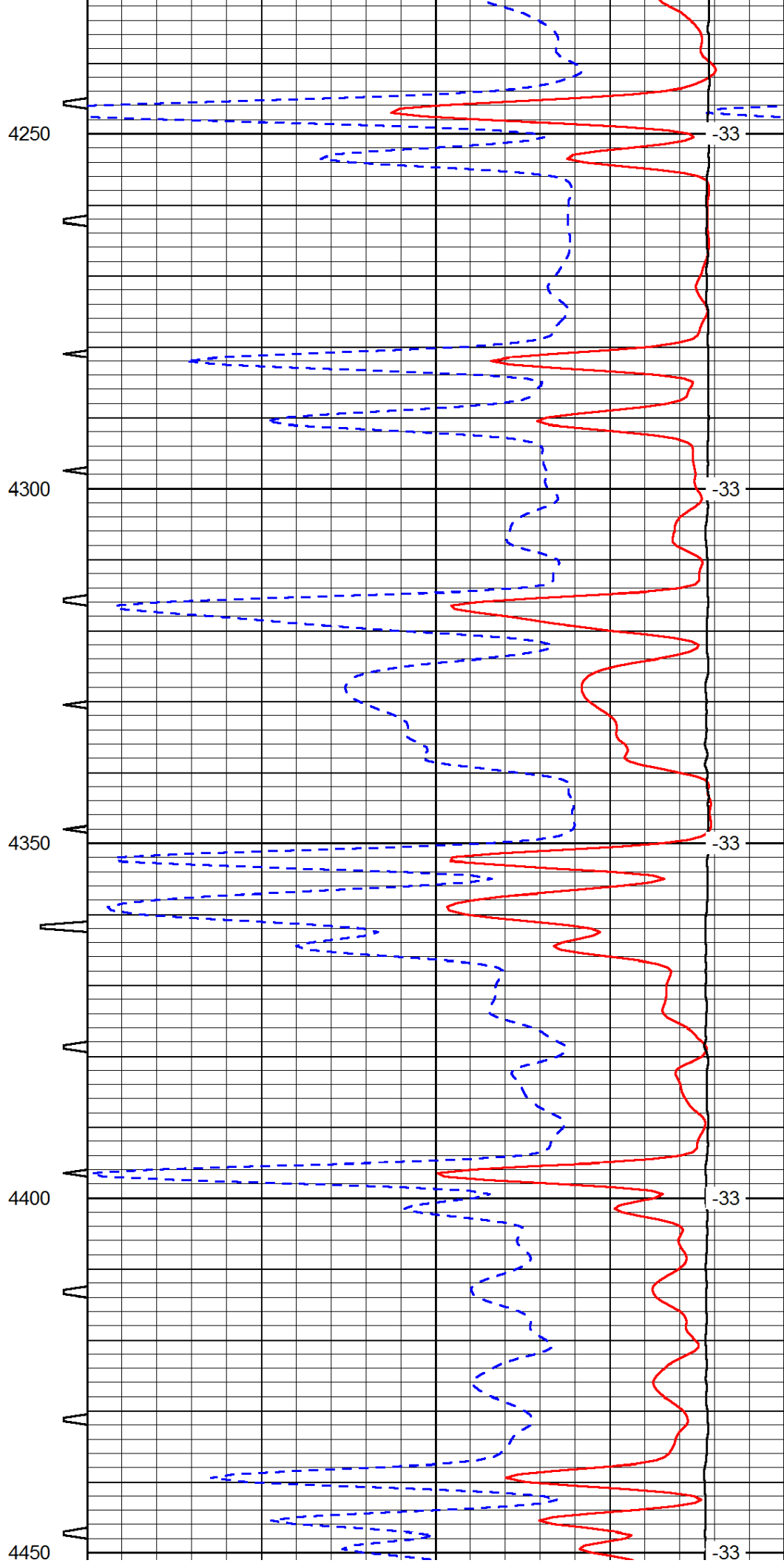
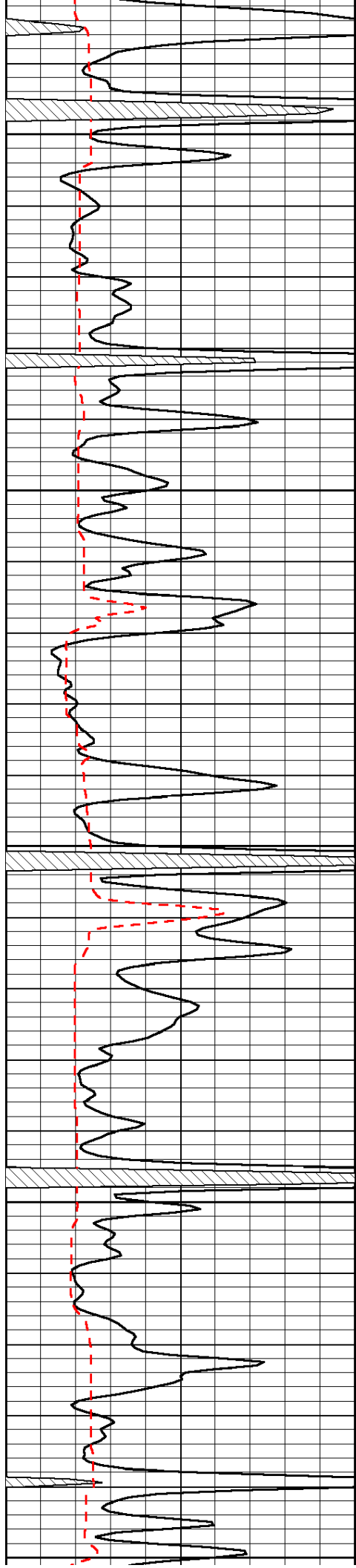


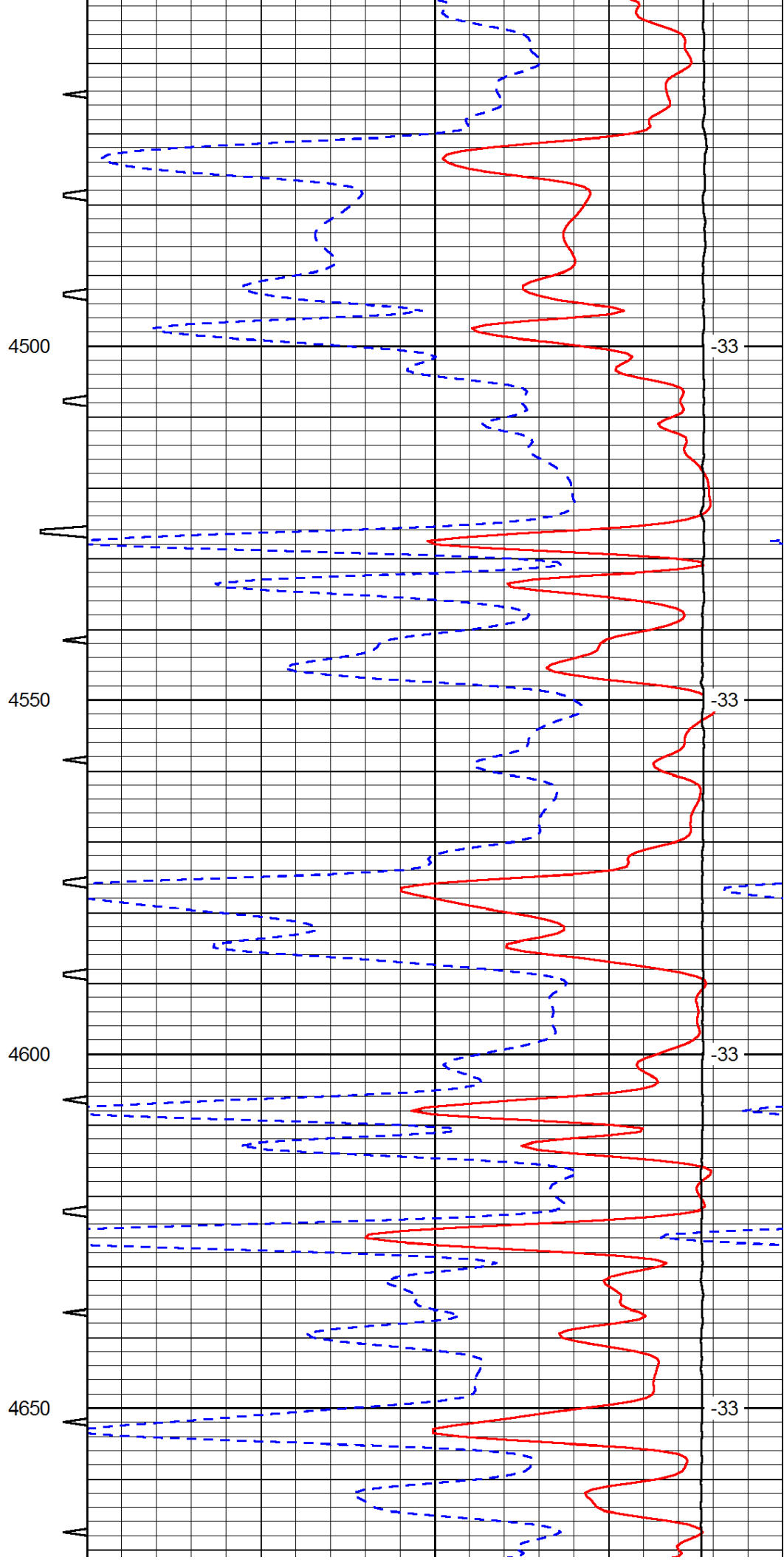
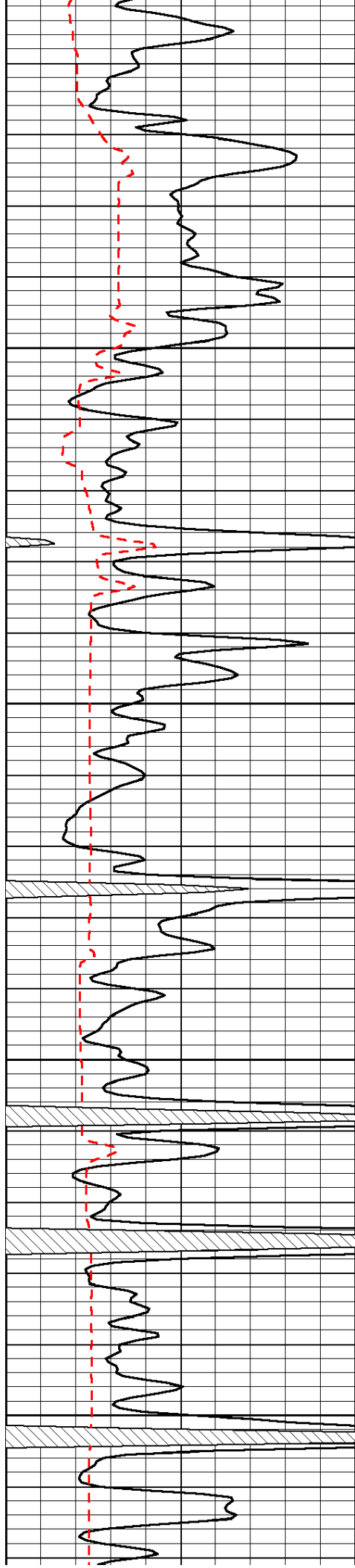


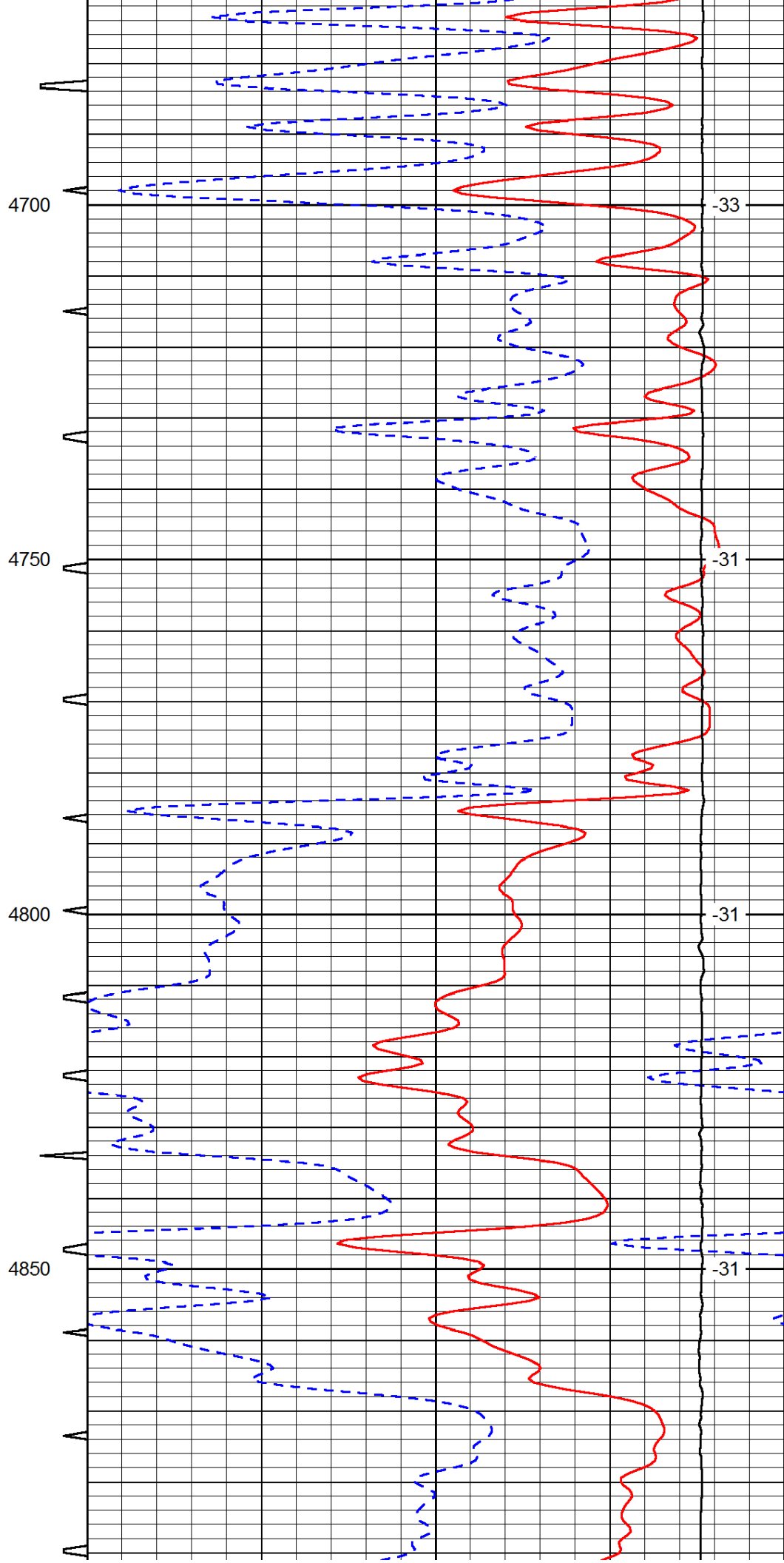
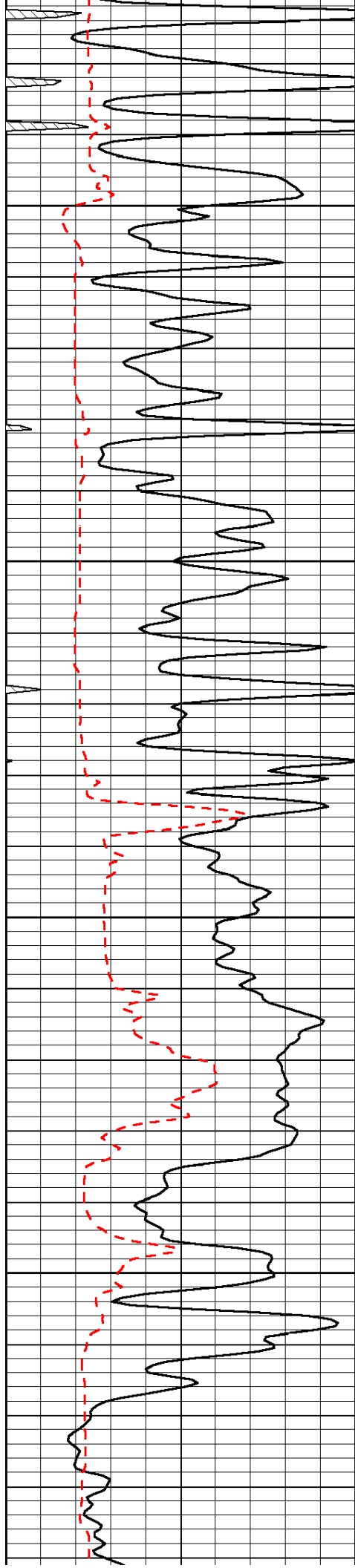


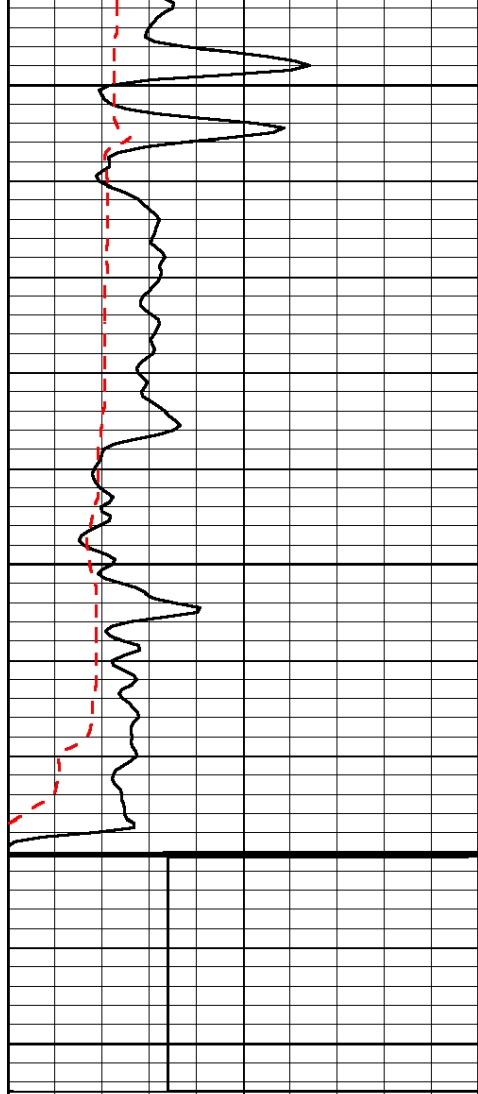




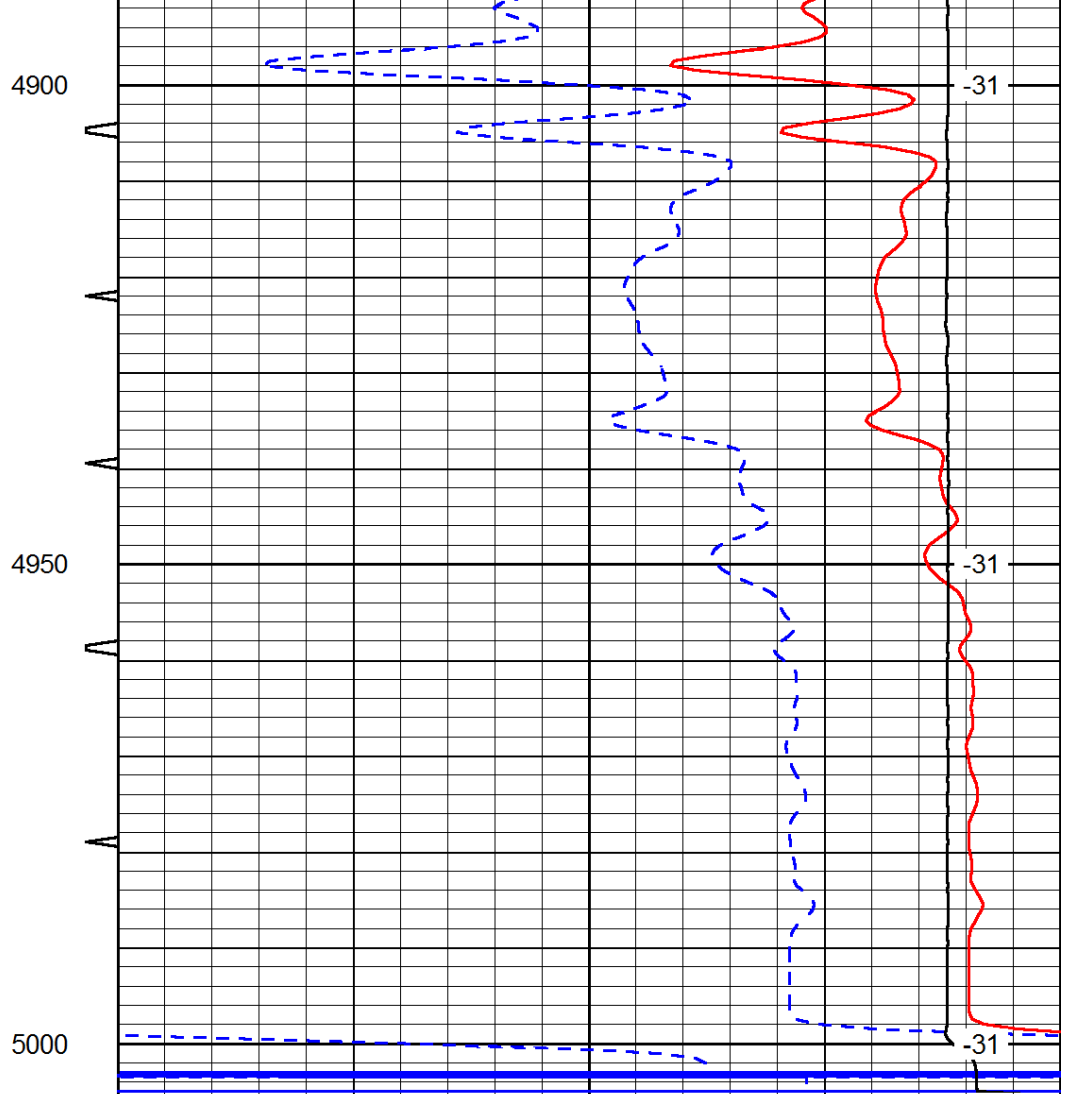








0	Gamma Ray	150
150	Gamma Ray	300
6	Caliper (GAPI)	16



Sonic Int	140	Delta Time (usec/ft)	40
5	0	SPOR	-10
	30	LTEN (lb)	0

LSPD