



Pioneer Energy Services

Borehole Compensated Sonic Log

15-135-25,444-00-00

API No.

Company American Warrior, Inc.

Well C.L. No.1-25

Field McVicker

County Ness

State Kansas

Location 1200' FNL & 2607' FWL

Sec: 25

Twp: 20S

Rge: 26W

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation 2436
11 Ft. Above Perm. Datum

Other Services
CNL/CDL
MEL/DIL
Elevation
K.B. 2447
D.F.
G.L. 2436

Date

8/12/2012

Run Number

Two

Type Log

BHC Sonic

Depth Driller

4530

Depth Logger

4532

Bottom Logged Interval

4521

Top Logged Interval

200

Type Fluid In Hole

Chemical

Salinity, PPM CL

3.500

Density

9.5

Level

Full

Max. Rec. Temp. F

121

Operating Rig Time

5 Hours

Equipment -- Location

17 Days

Recorded By

C. Desaire

Witnessed By

Kevin Timson

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

1

12.25

00

225

8.625

24#

00

225

2

7.875

225

4530

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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.

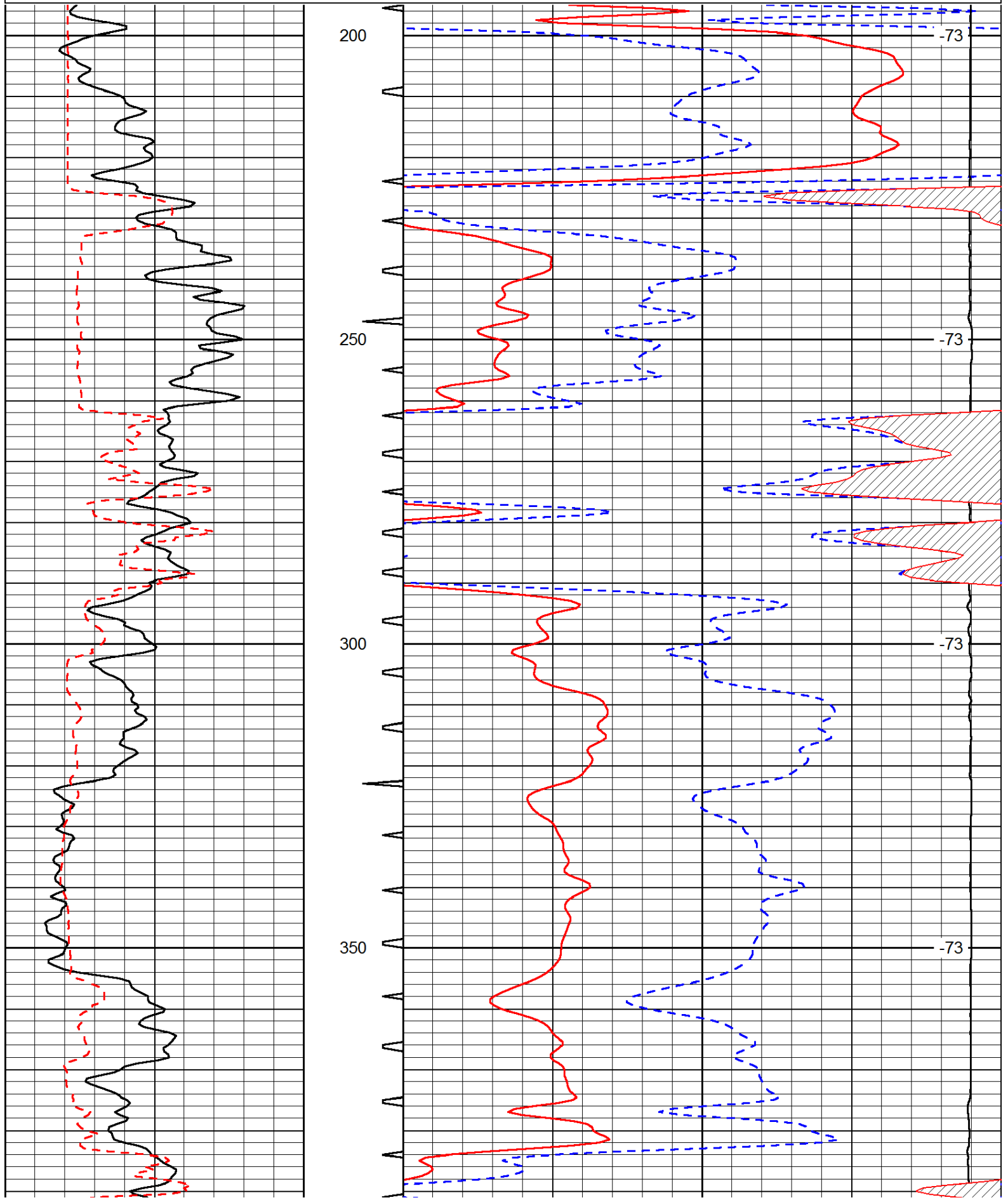
Comments

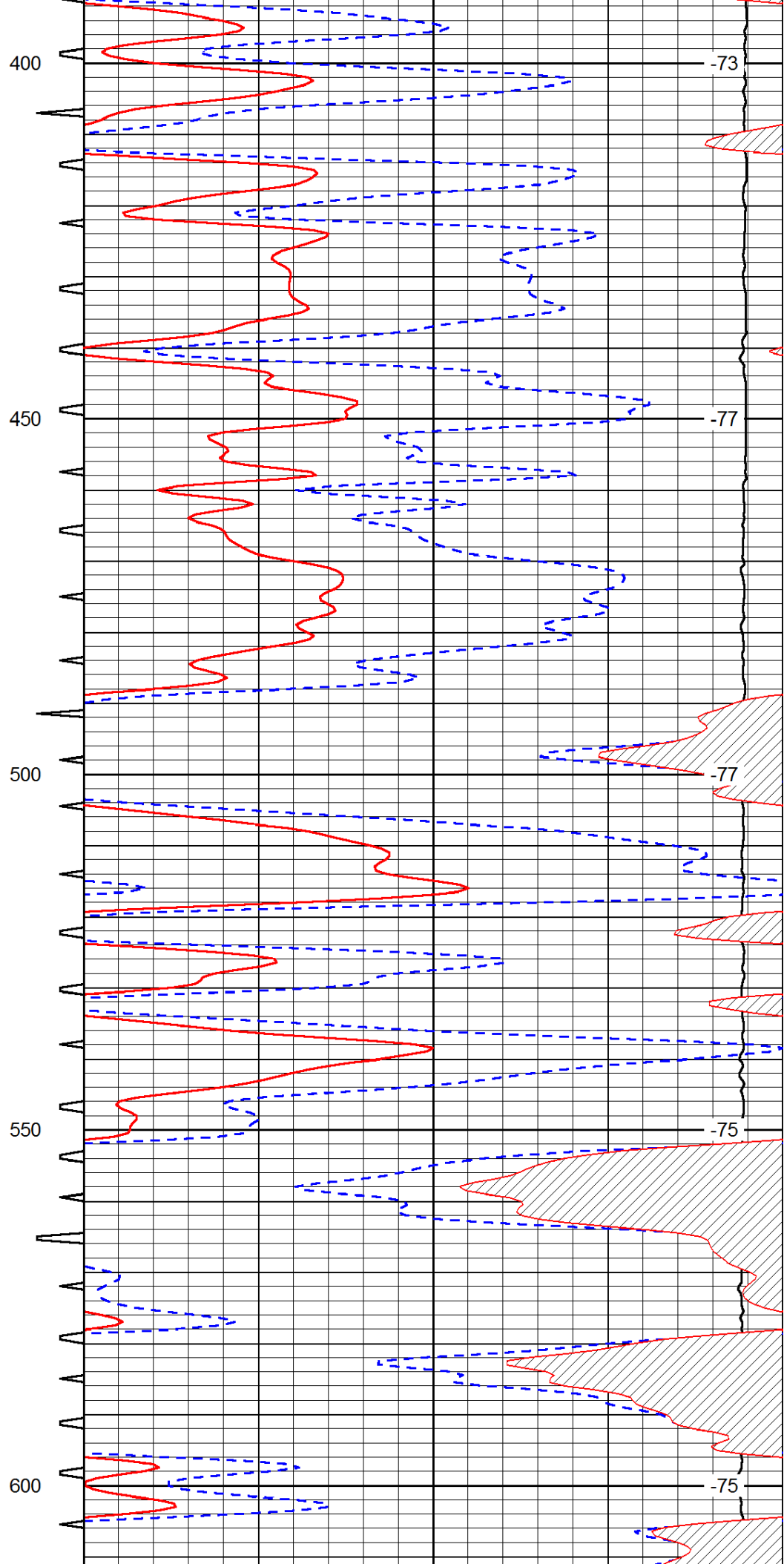
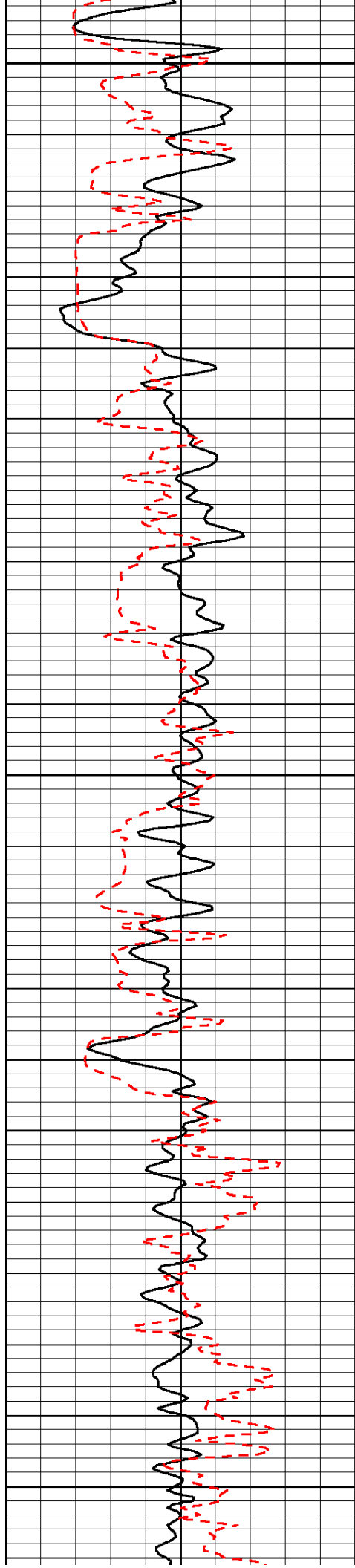
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

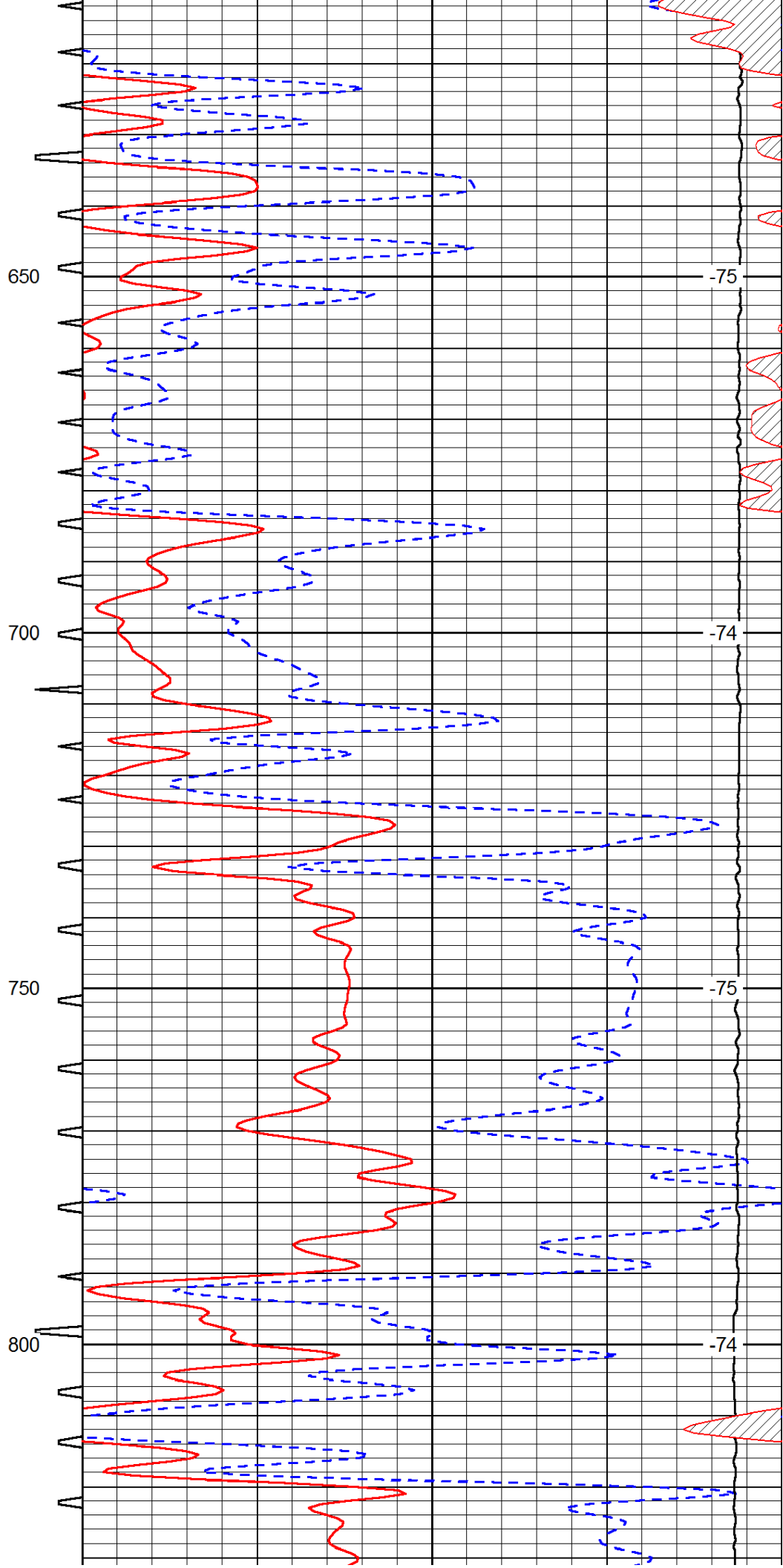
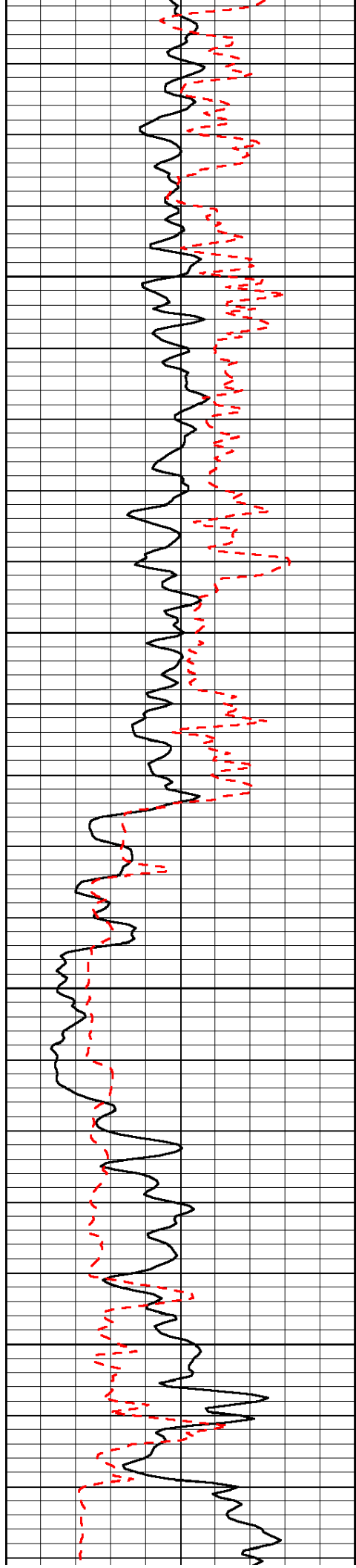
Ness City KS, W to J Rd, 10 S to 20 Rd,
5 W, S Into

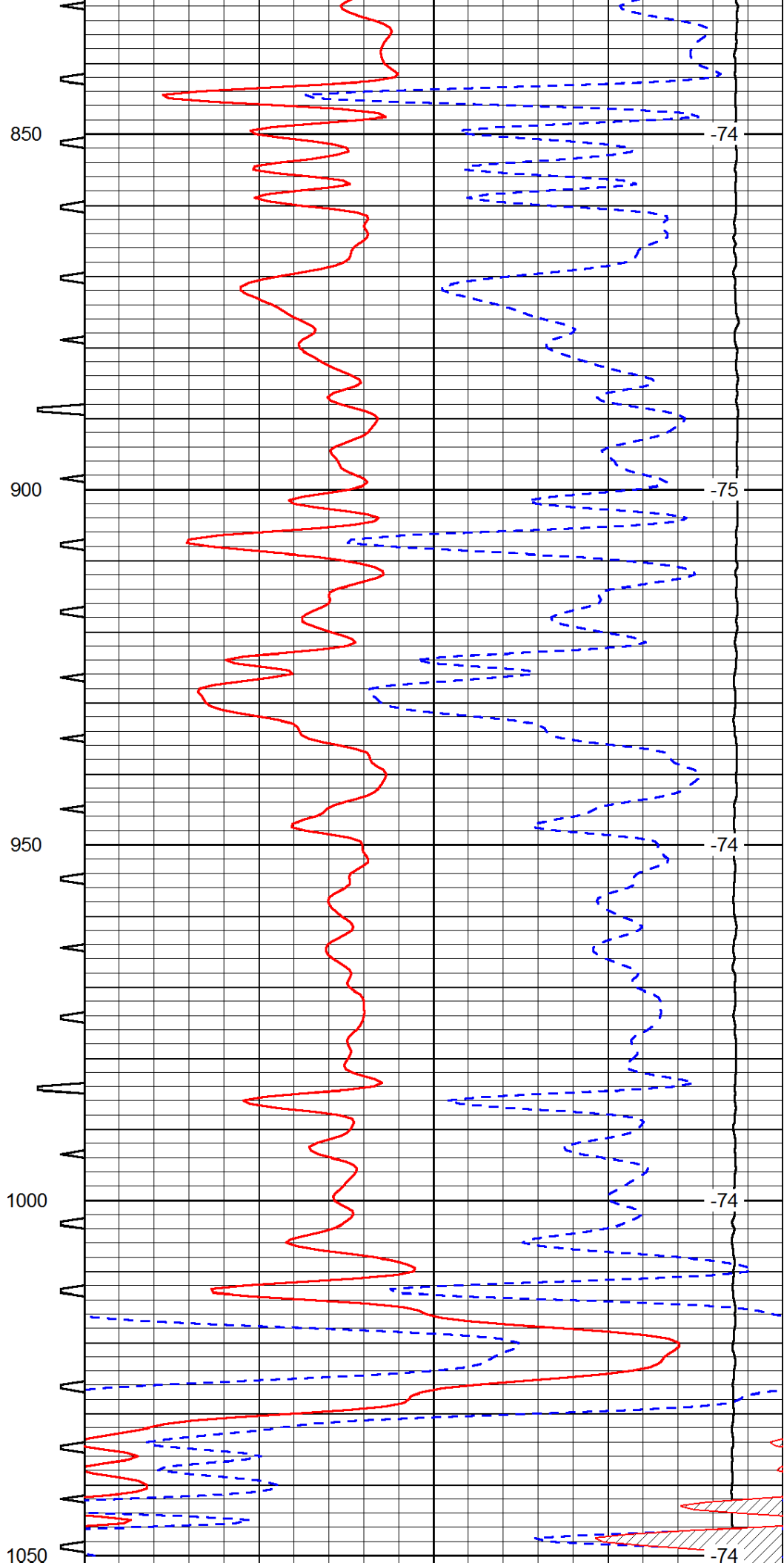
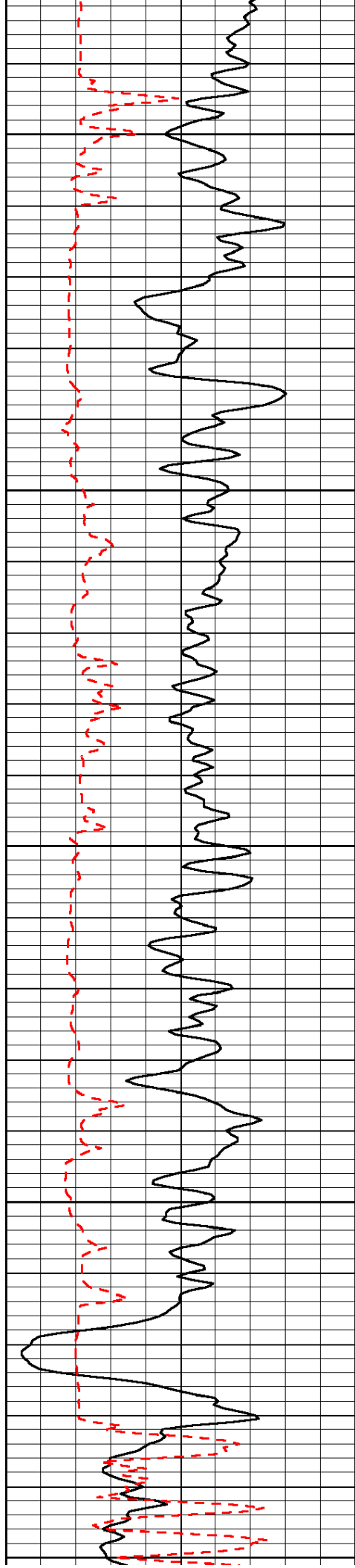
Database File: c:\warrior\data\amwar_c.l. no.1-25\awhd.db
Dataset Pathname: dil\awstk
Presentation Format: sonic
Dataset Creation: Sun Aug 12 05:59:56 2012
Charted by: Depth in Feet scaled 1:240

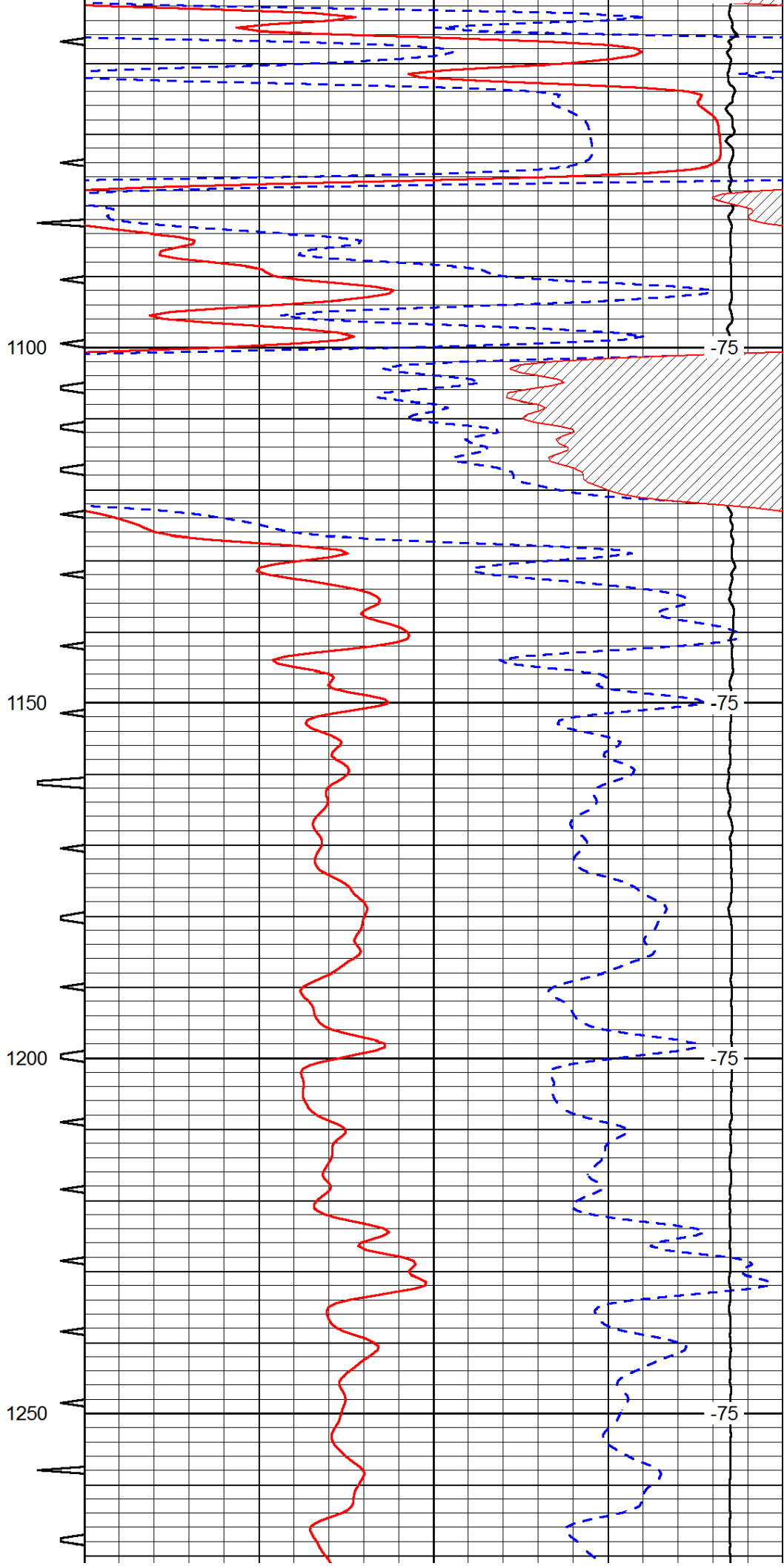
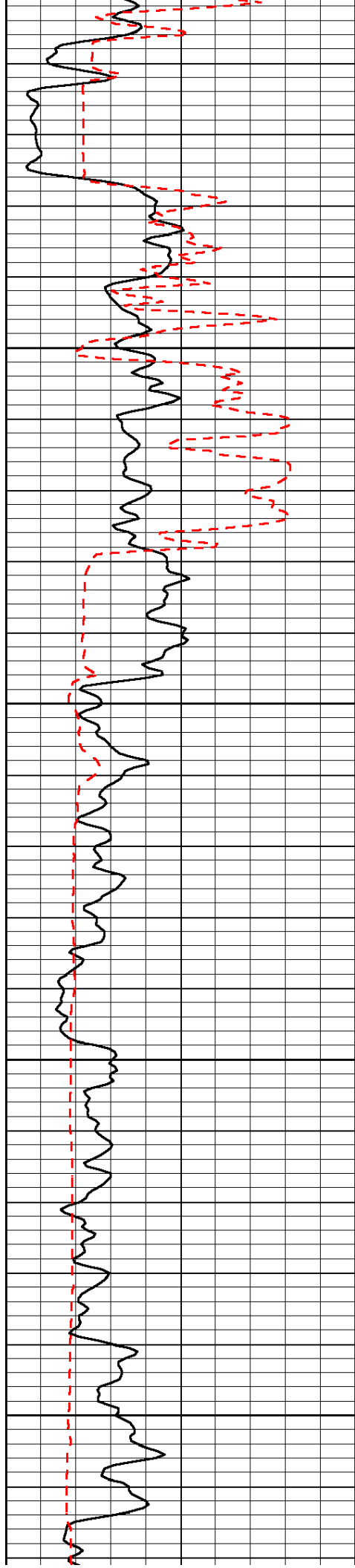
Charted by:		Depth in Feet scaled 1:210					
0	Gamma Ray	150	5	0	140	Delta Time (usec/ft)	40
150	Gamma Ray	300			30	SPOR	-10
6	Caliper (GAPI)	16			15000	LTEN (lb)	0
							LSPD

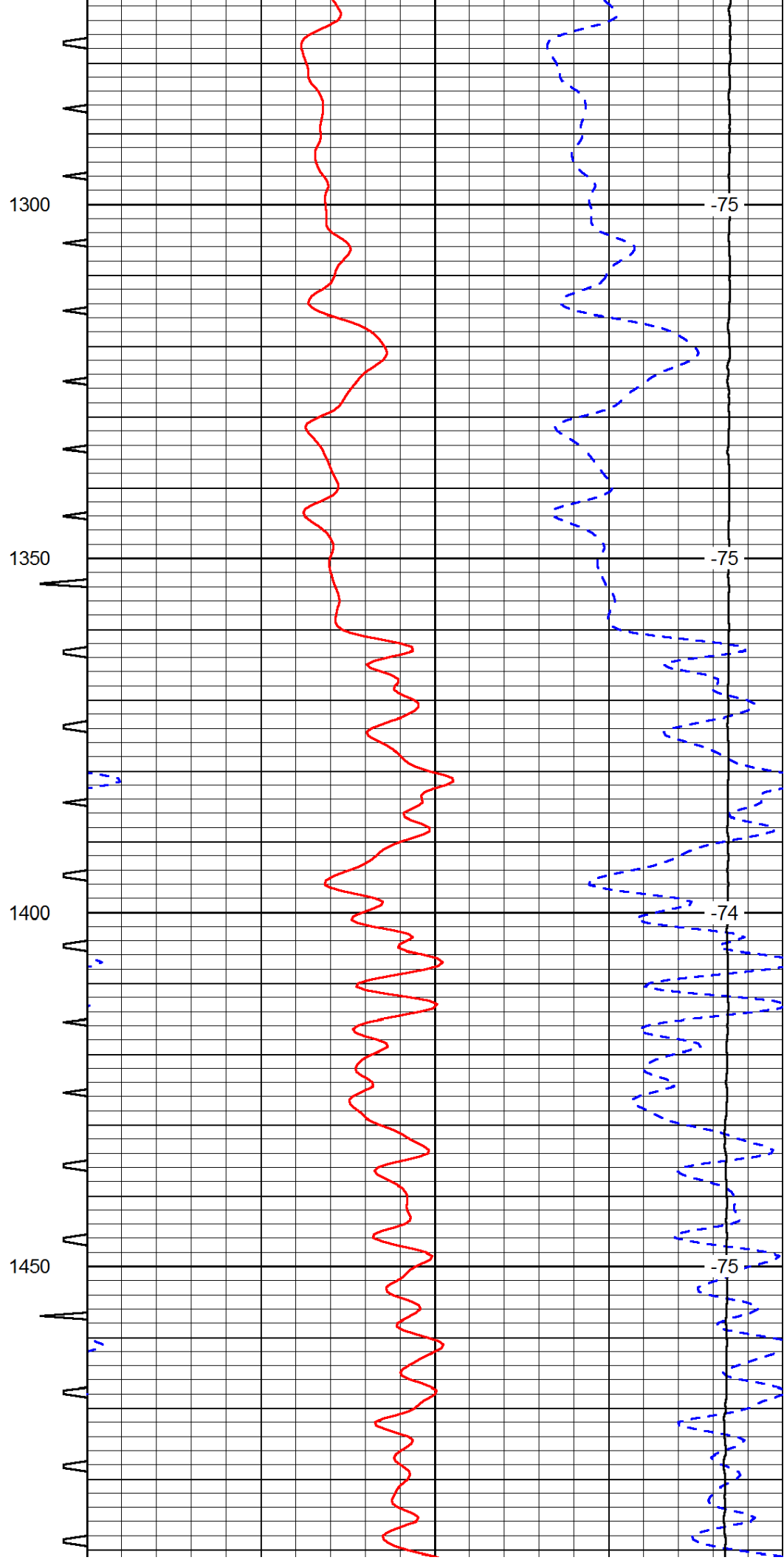
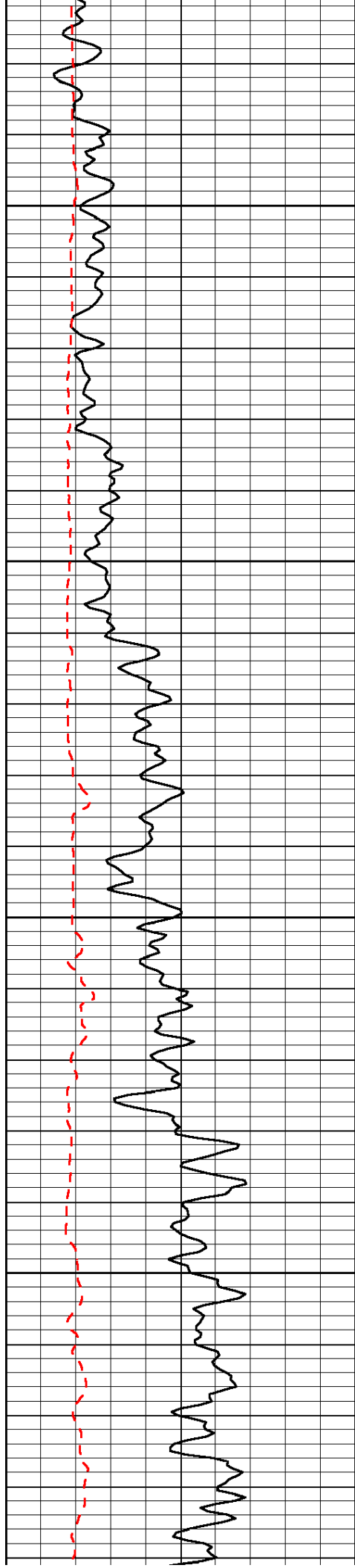


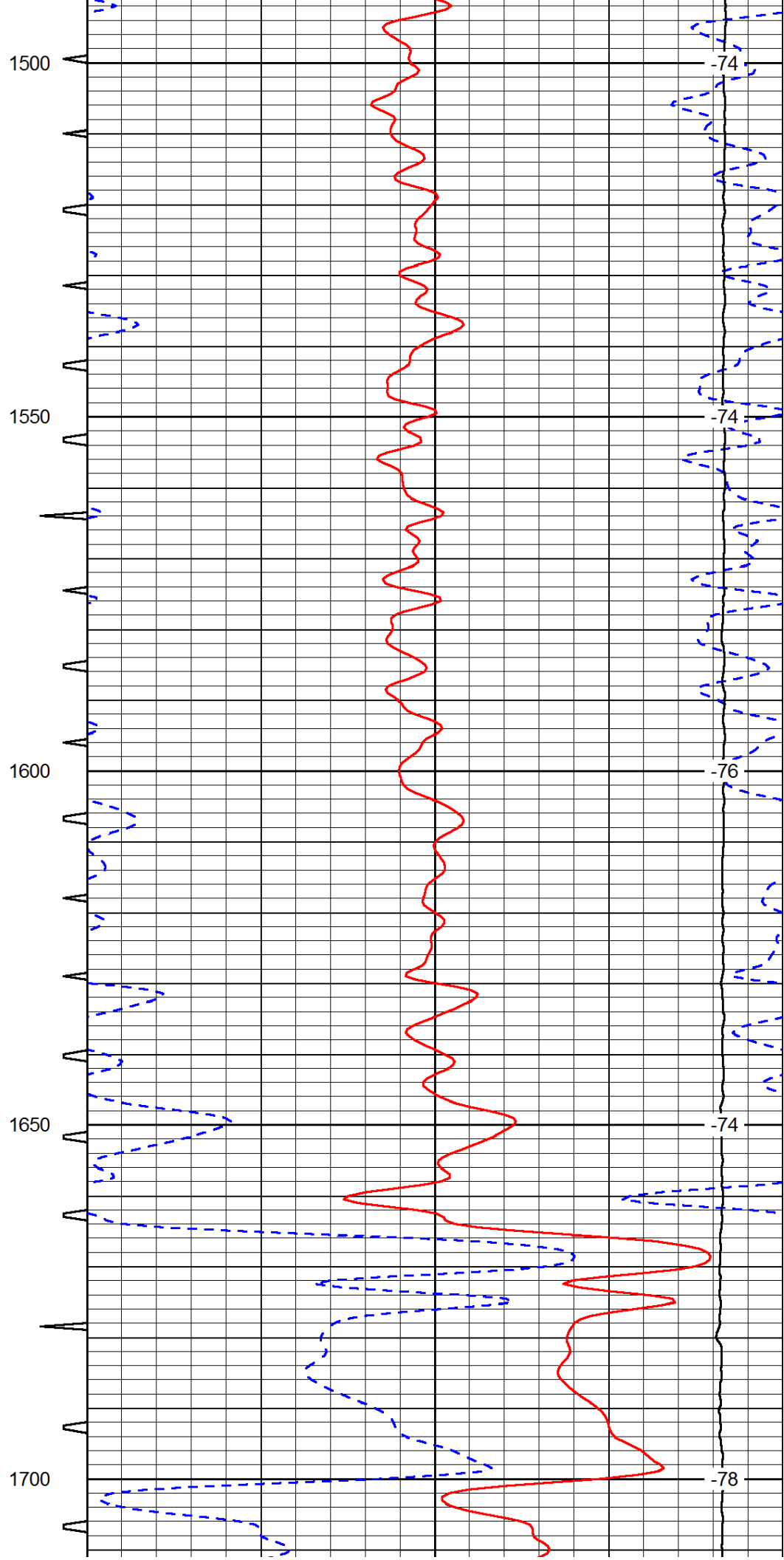
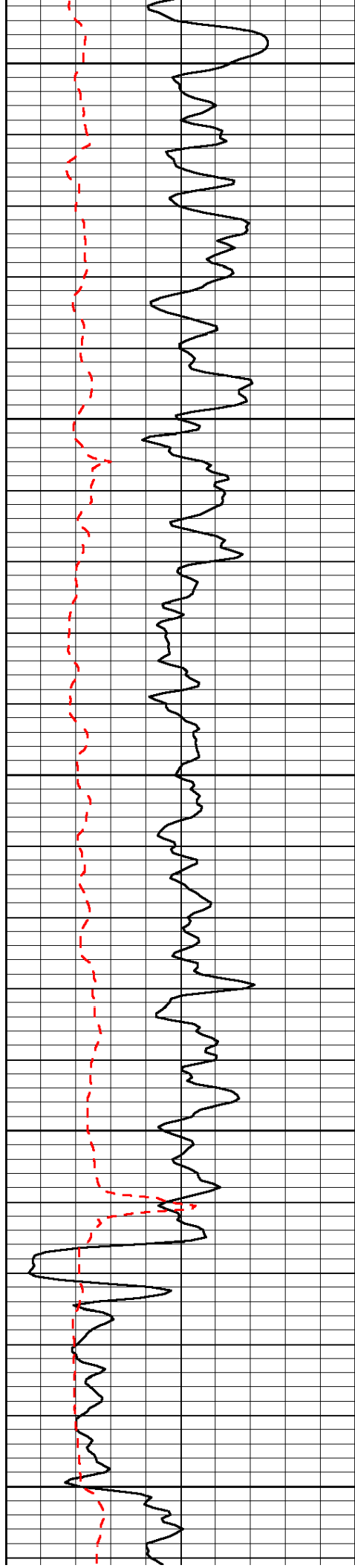


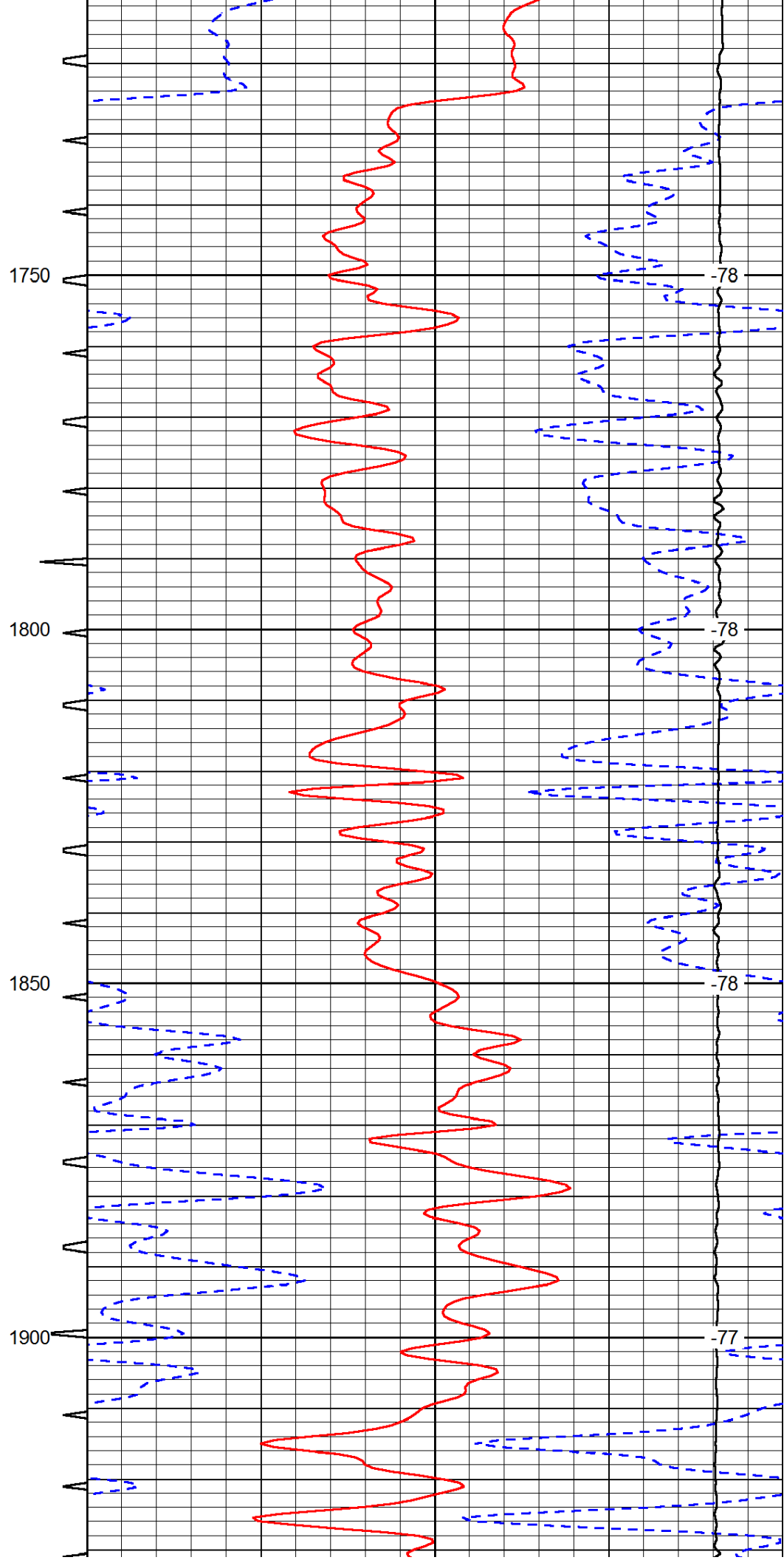
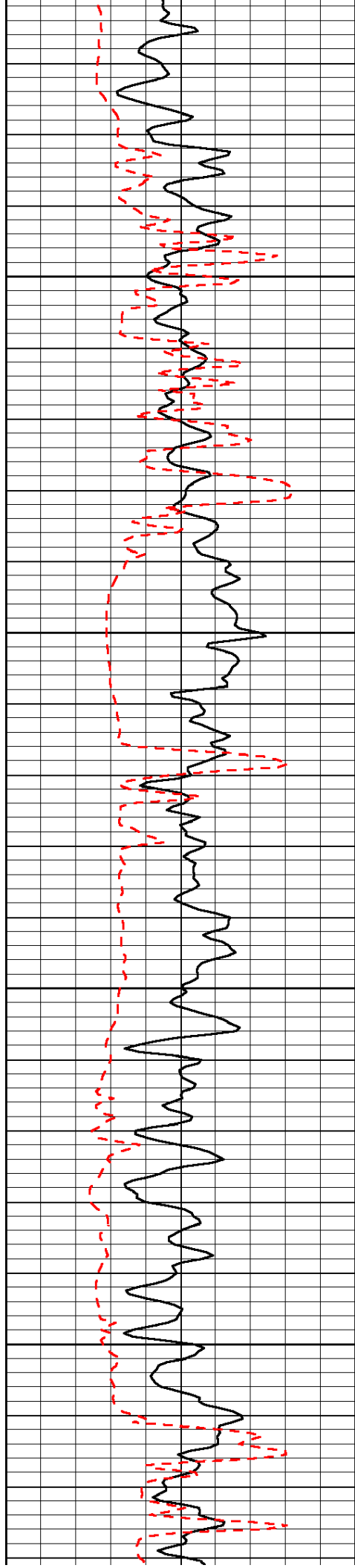


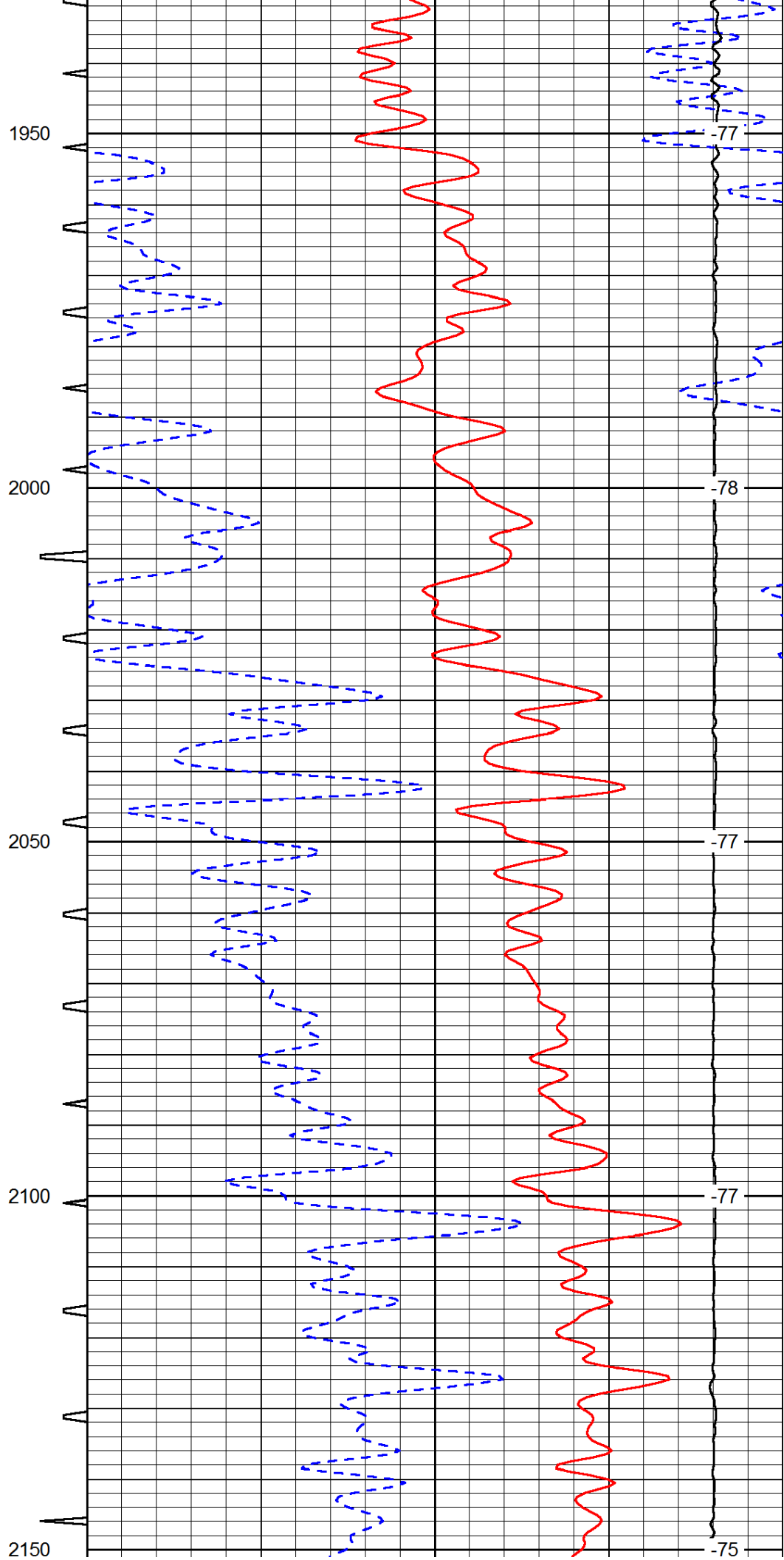
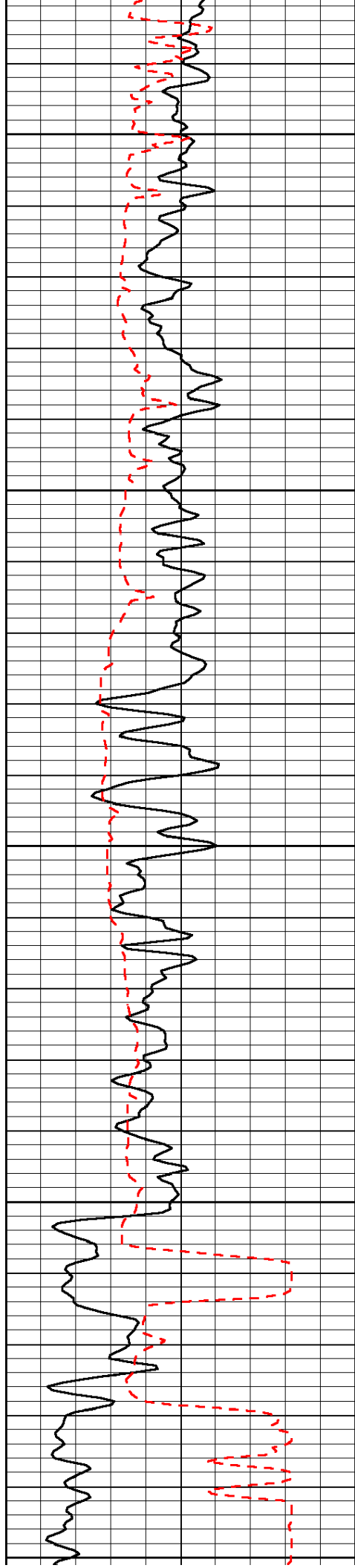


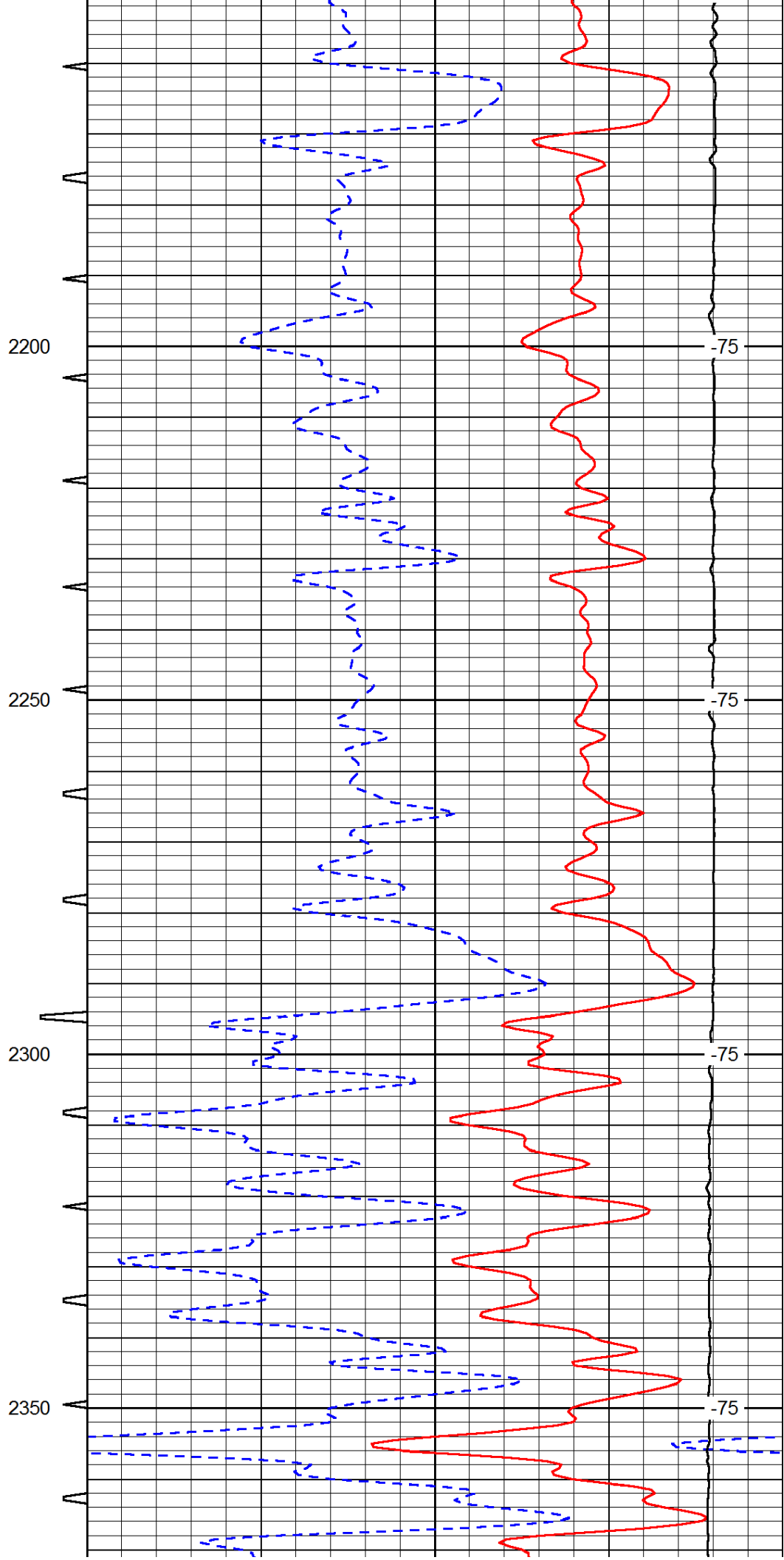
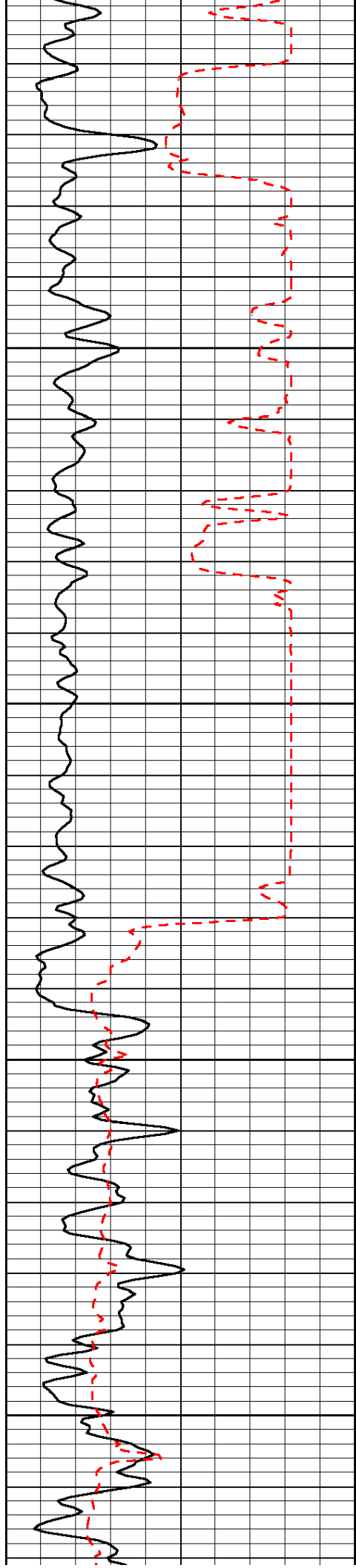


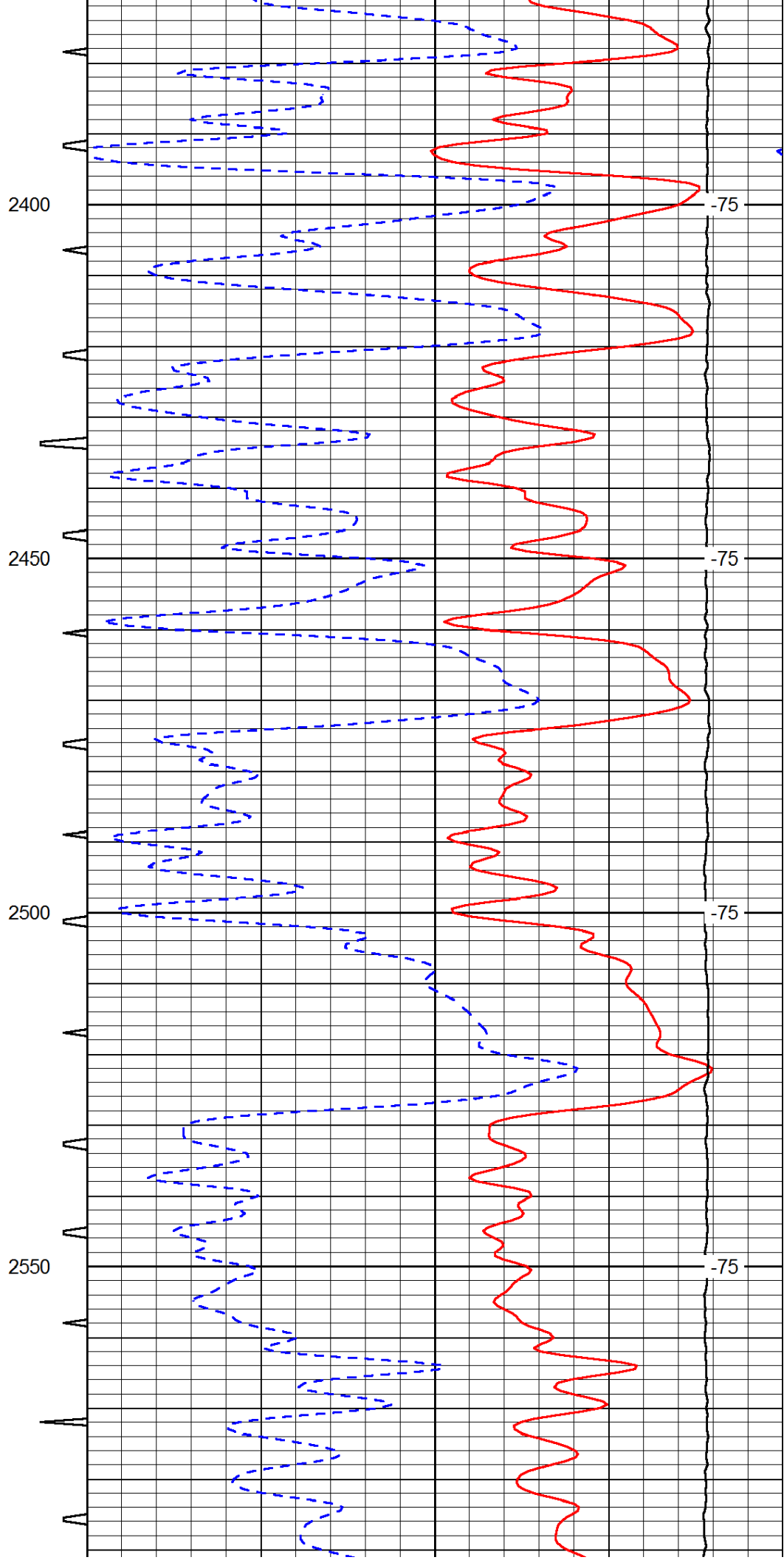
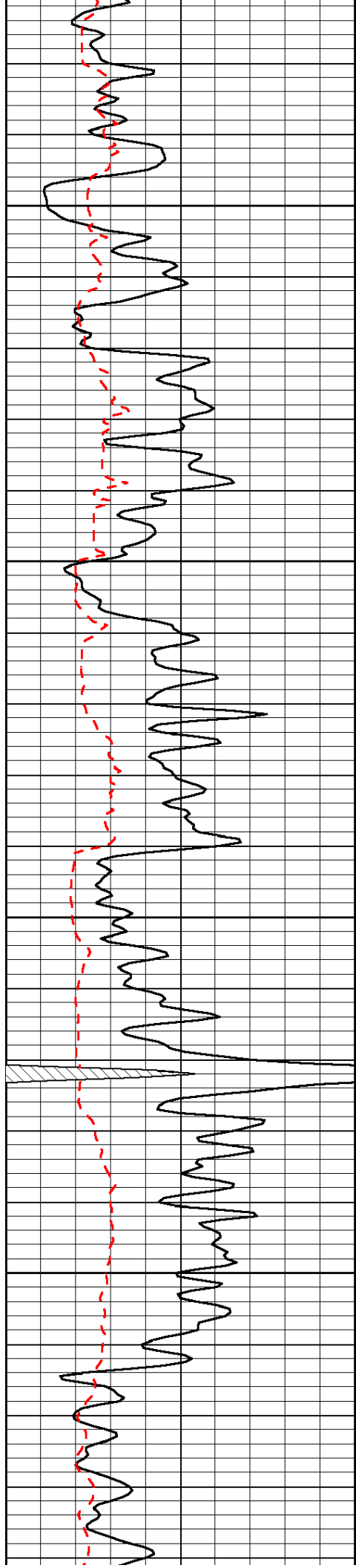


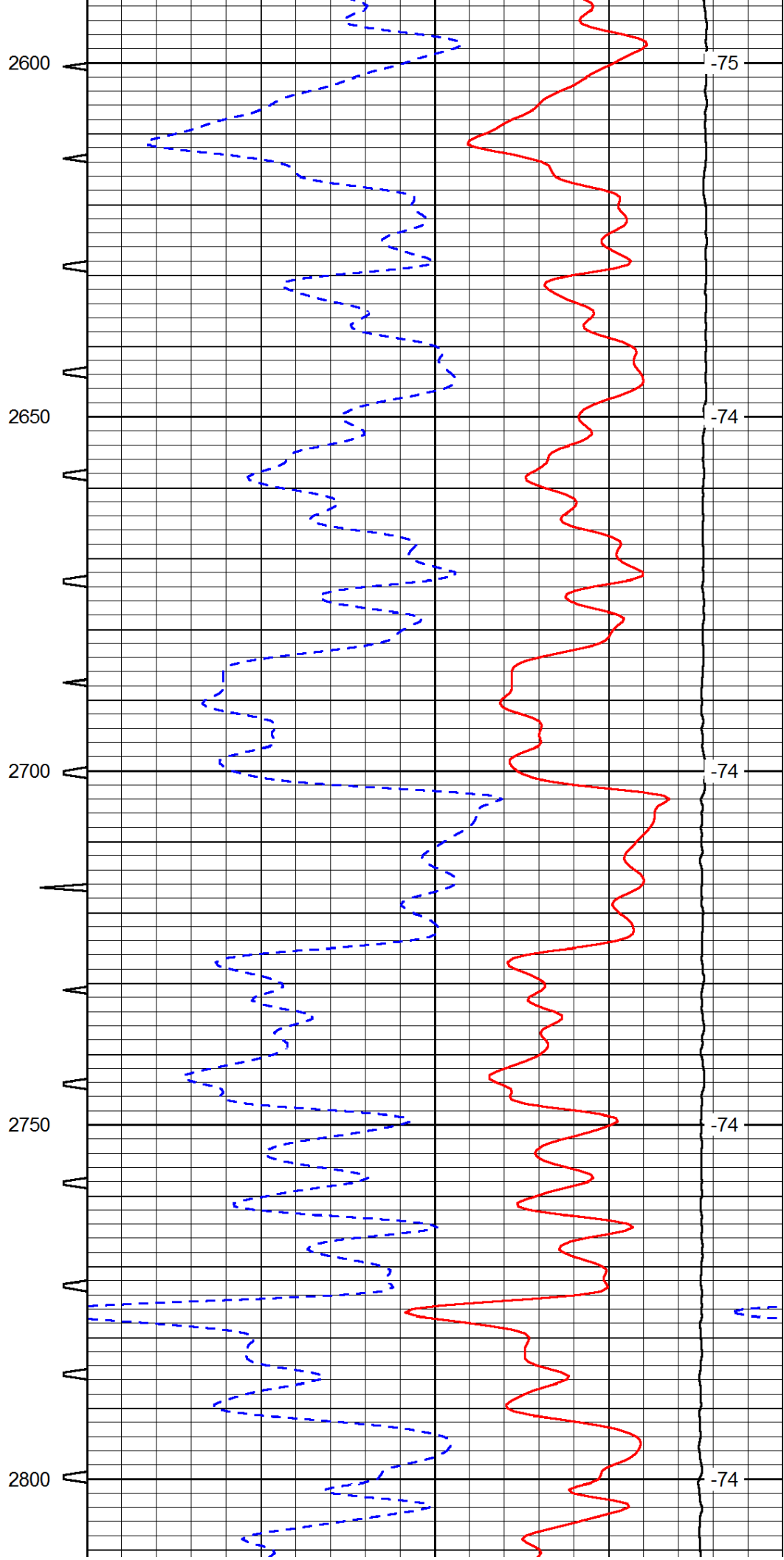
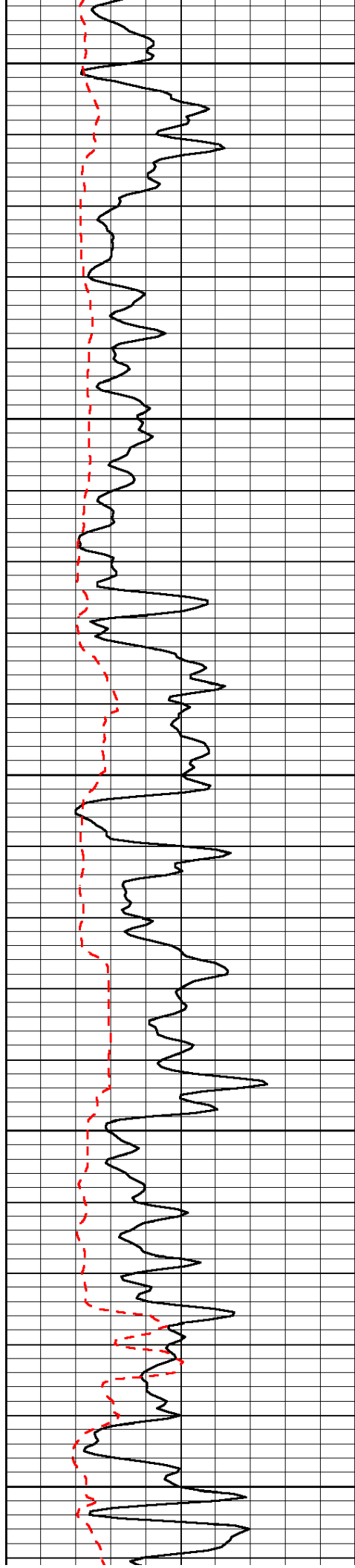


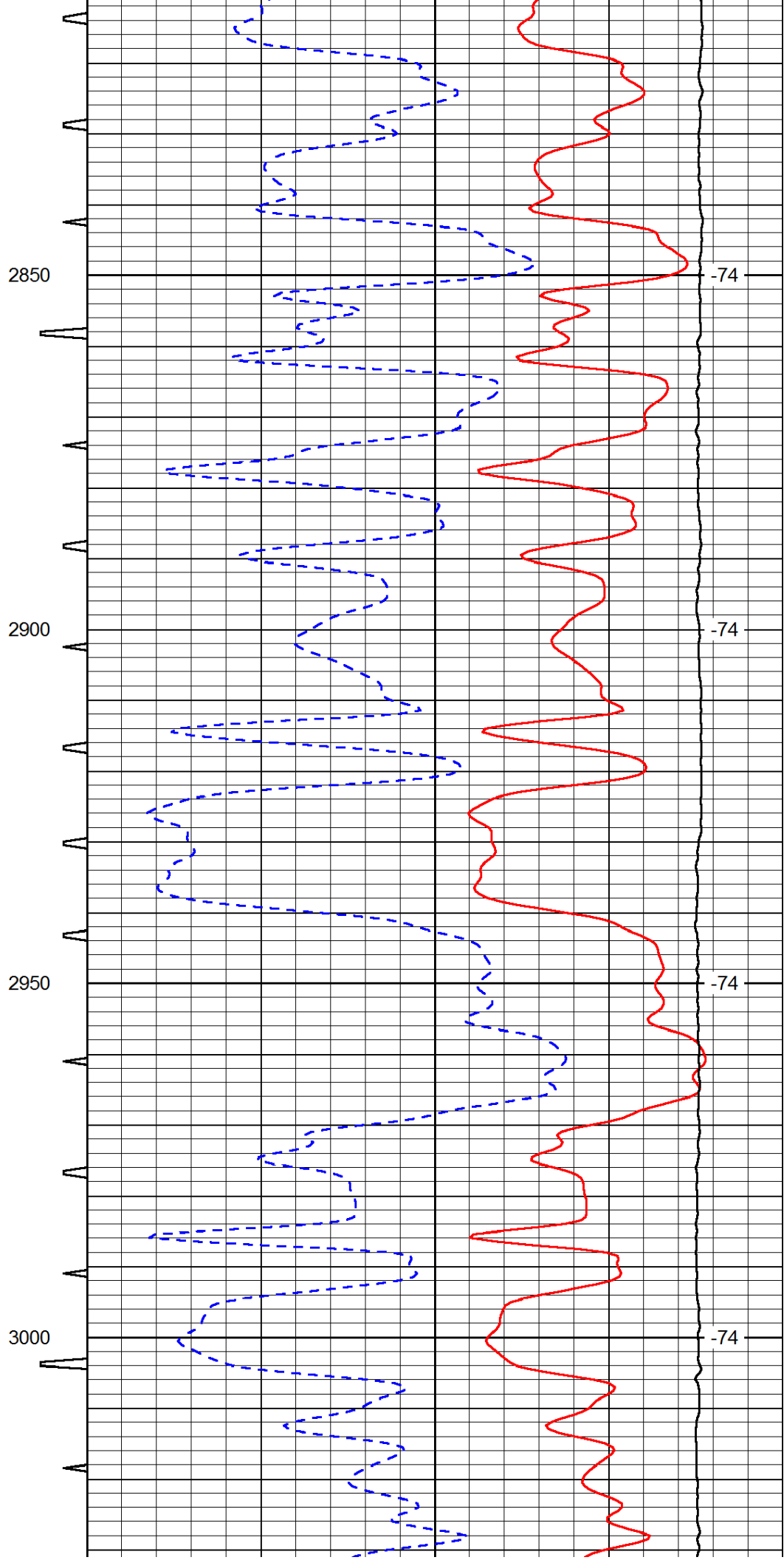
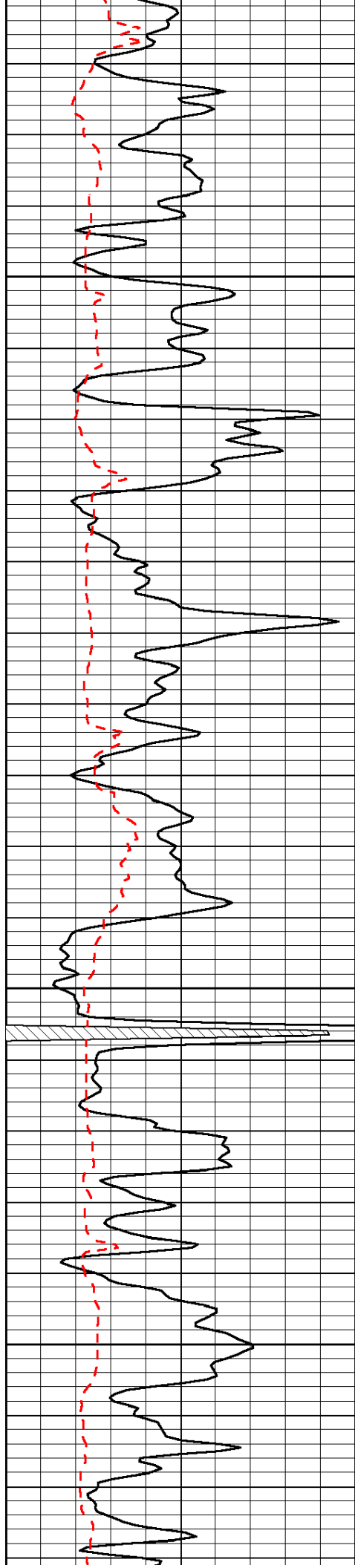


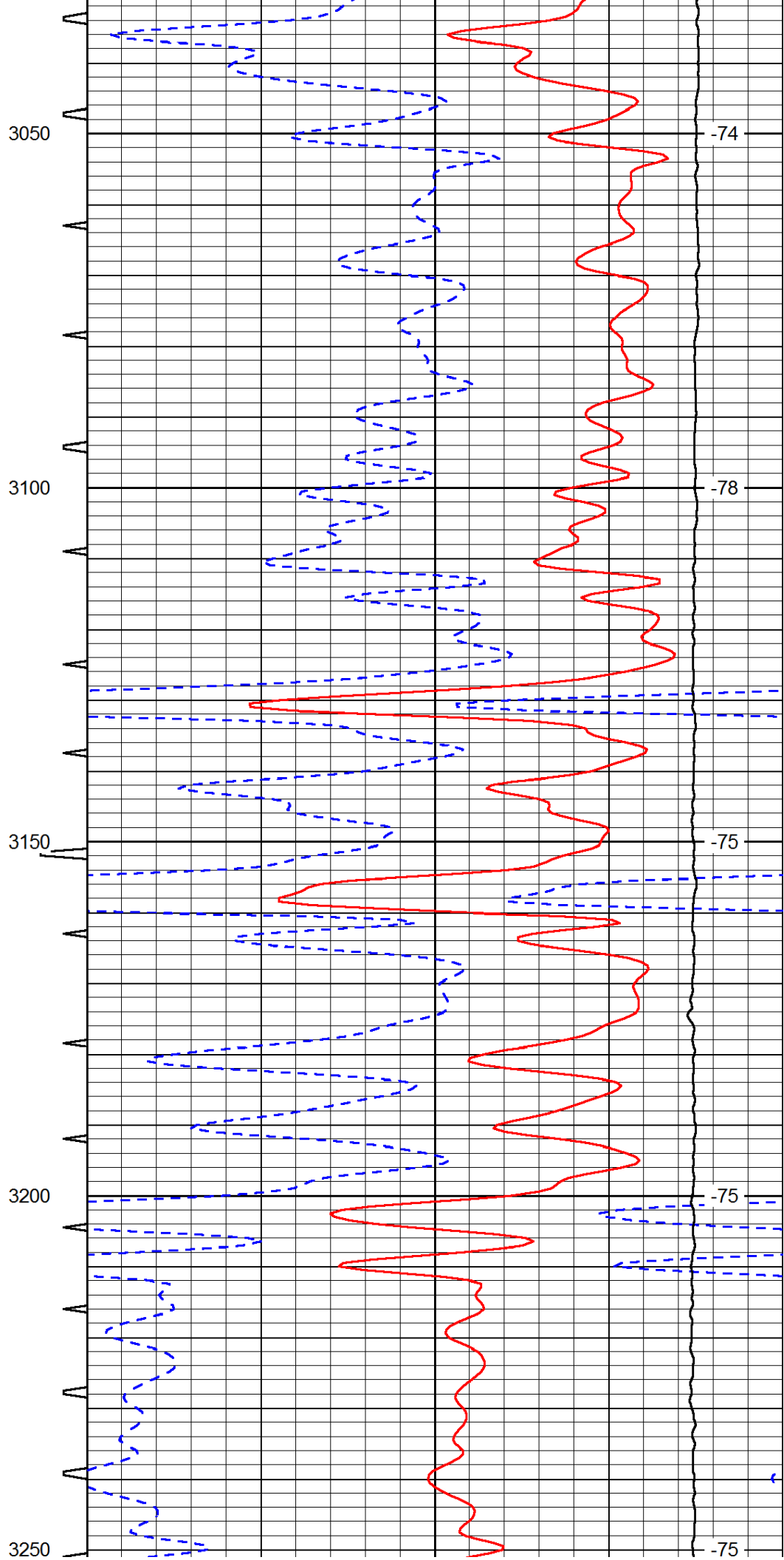
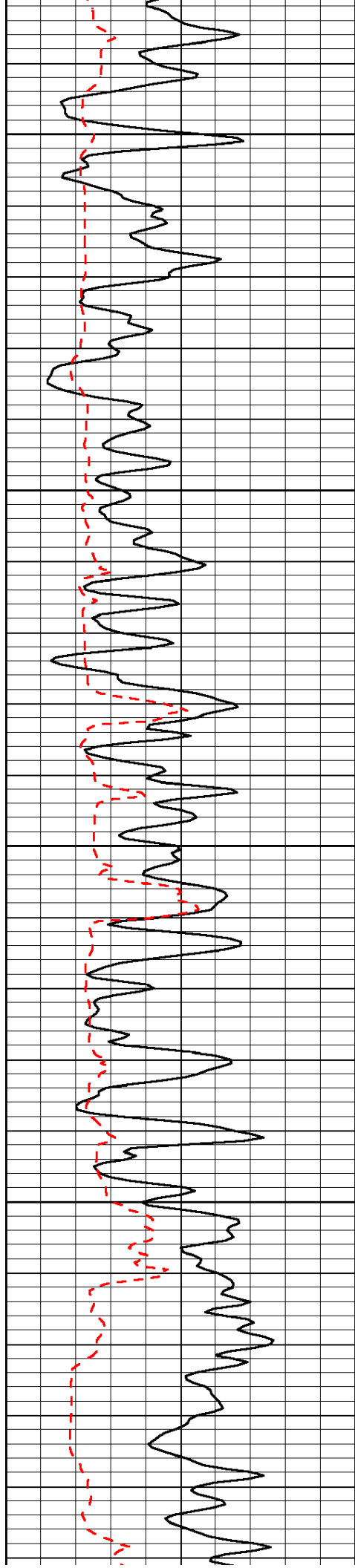


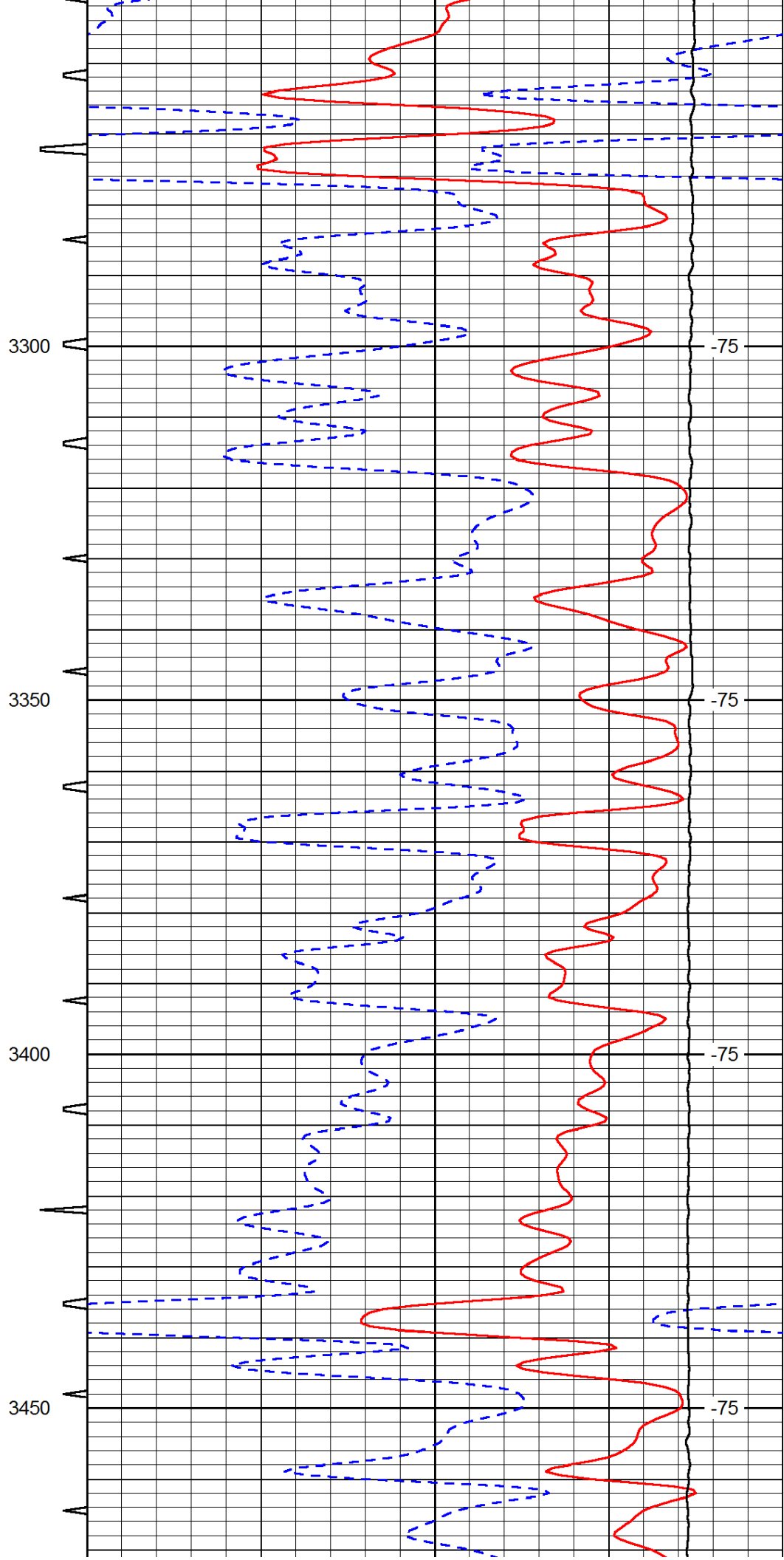
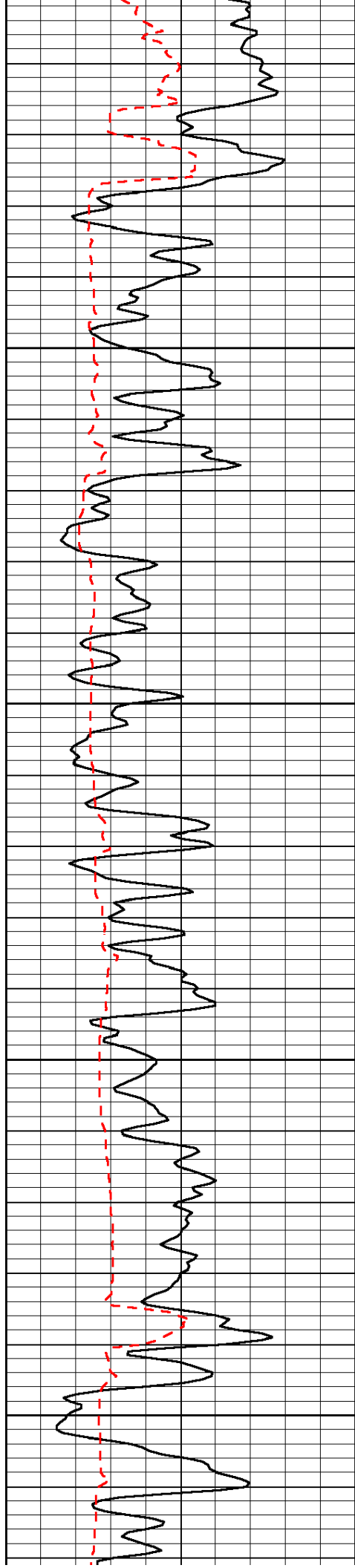


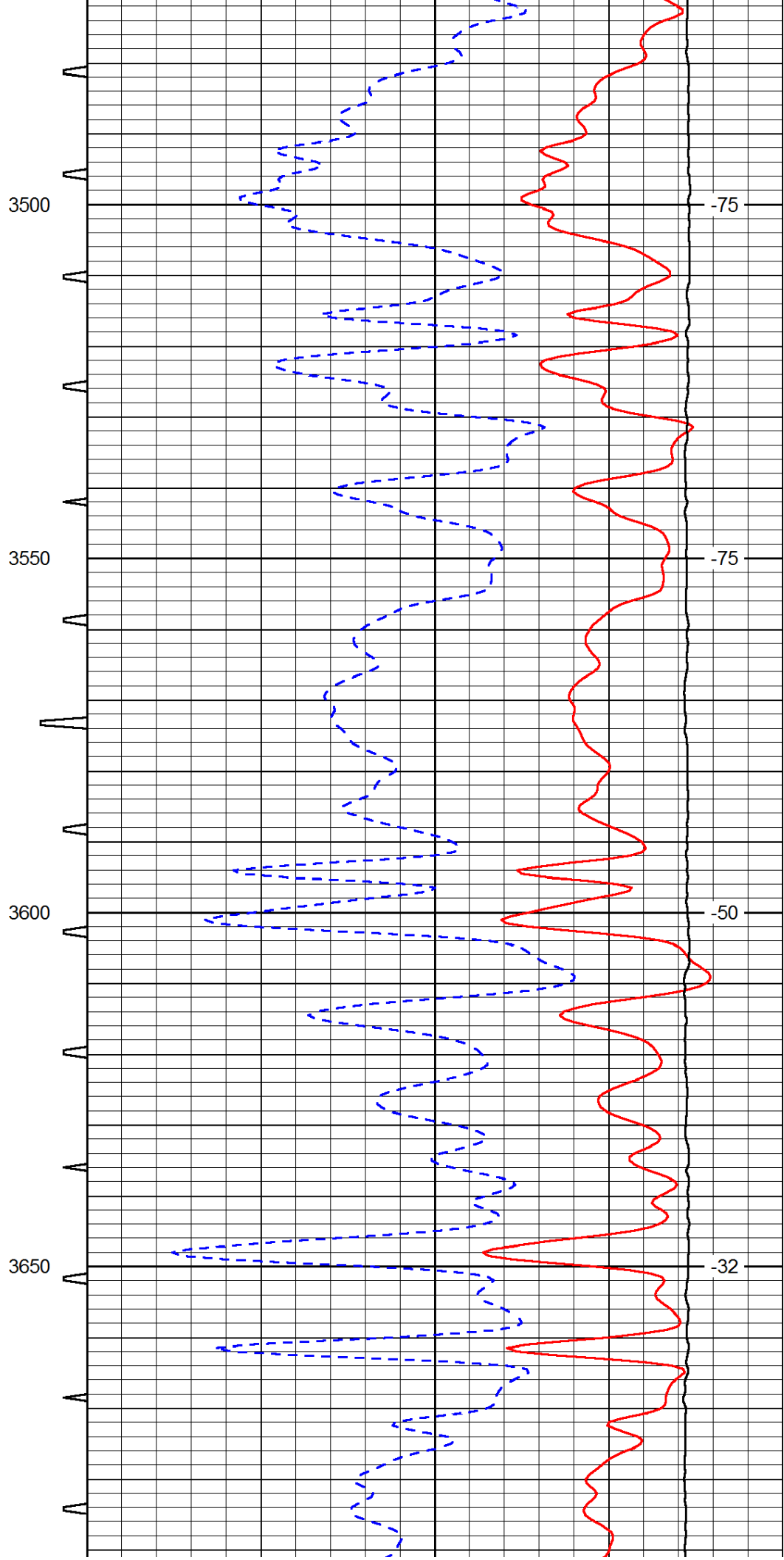
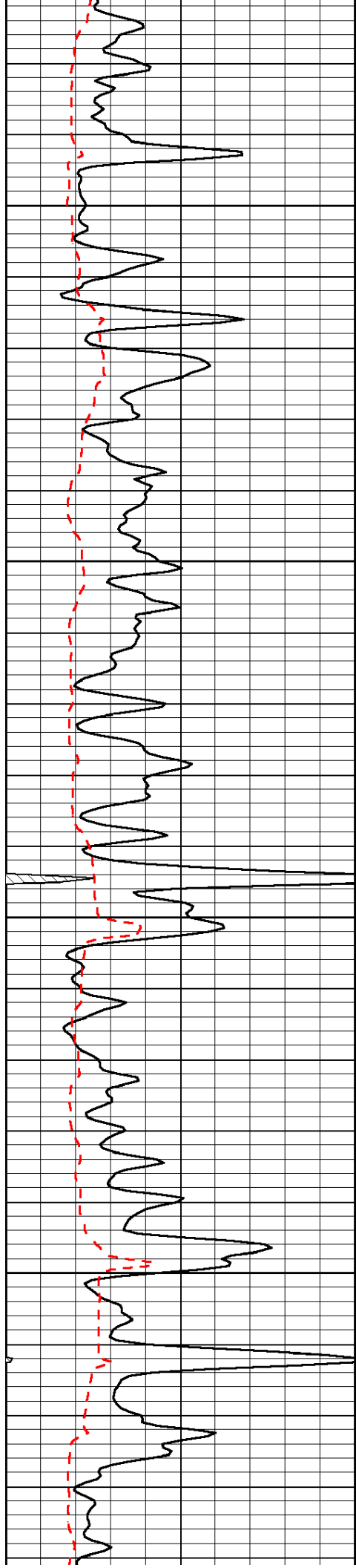


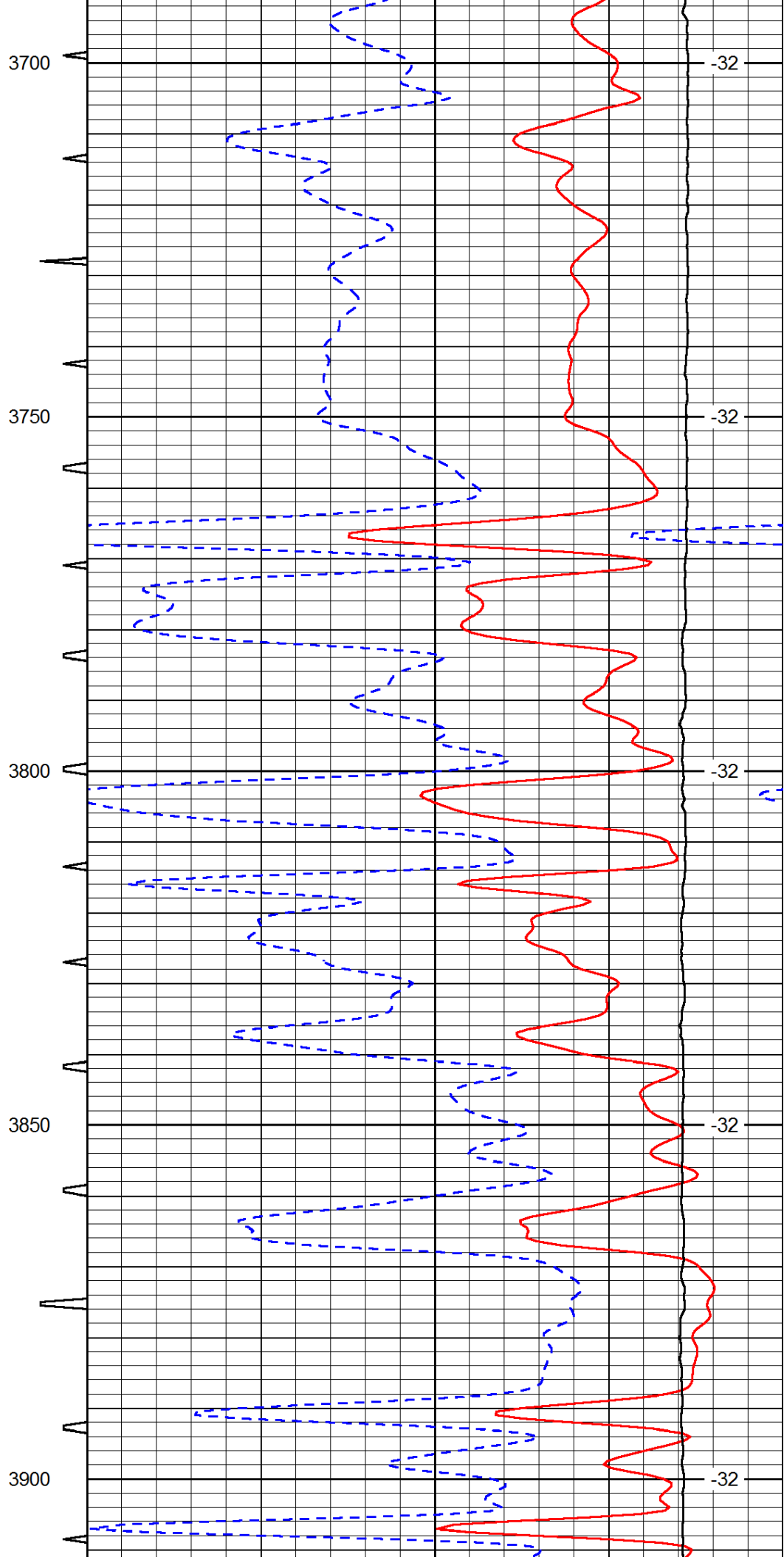
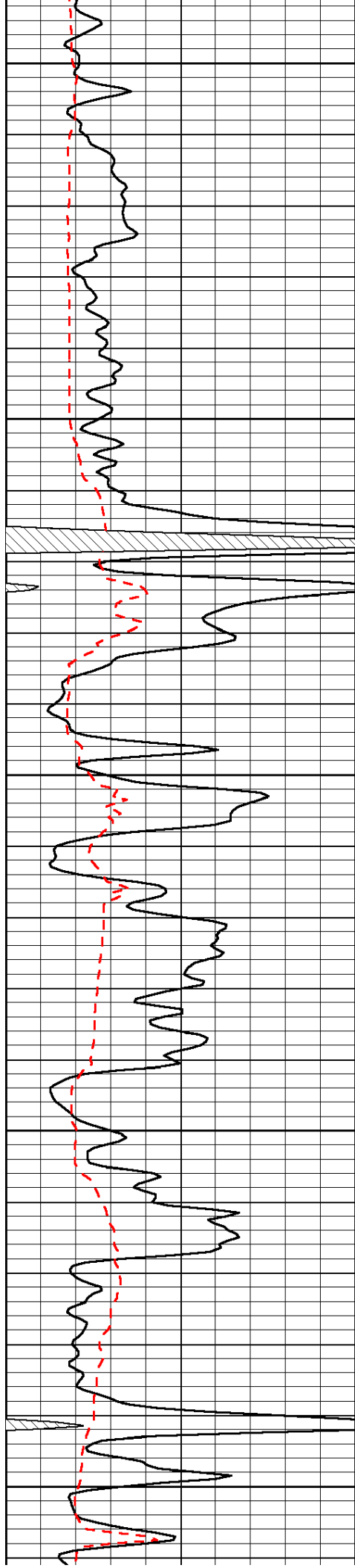


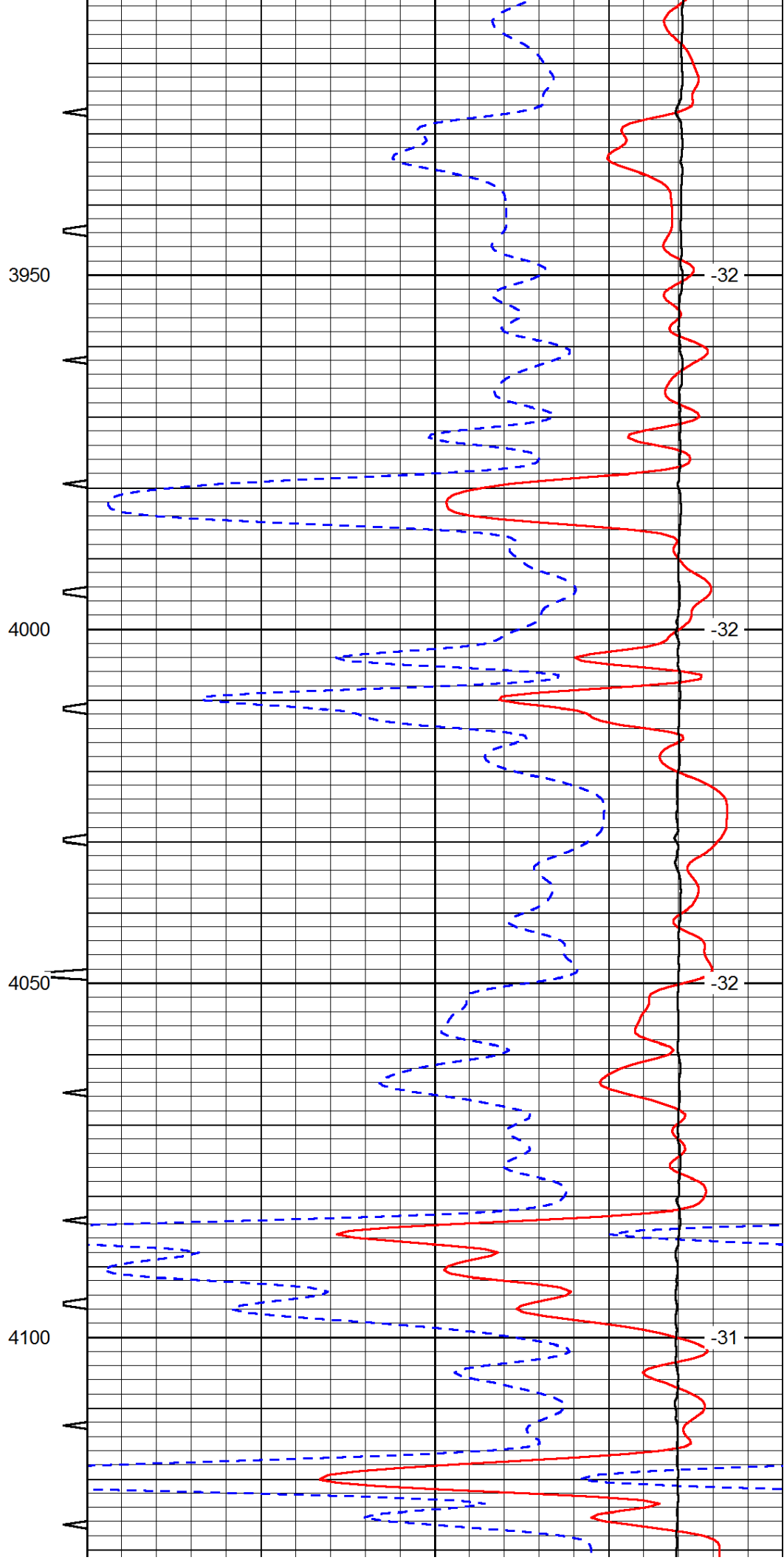
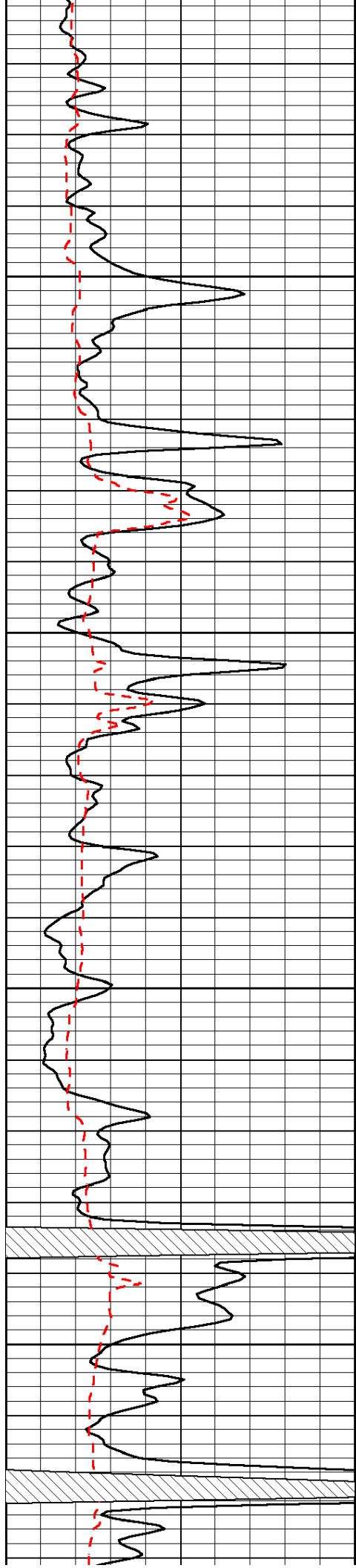


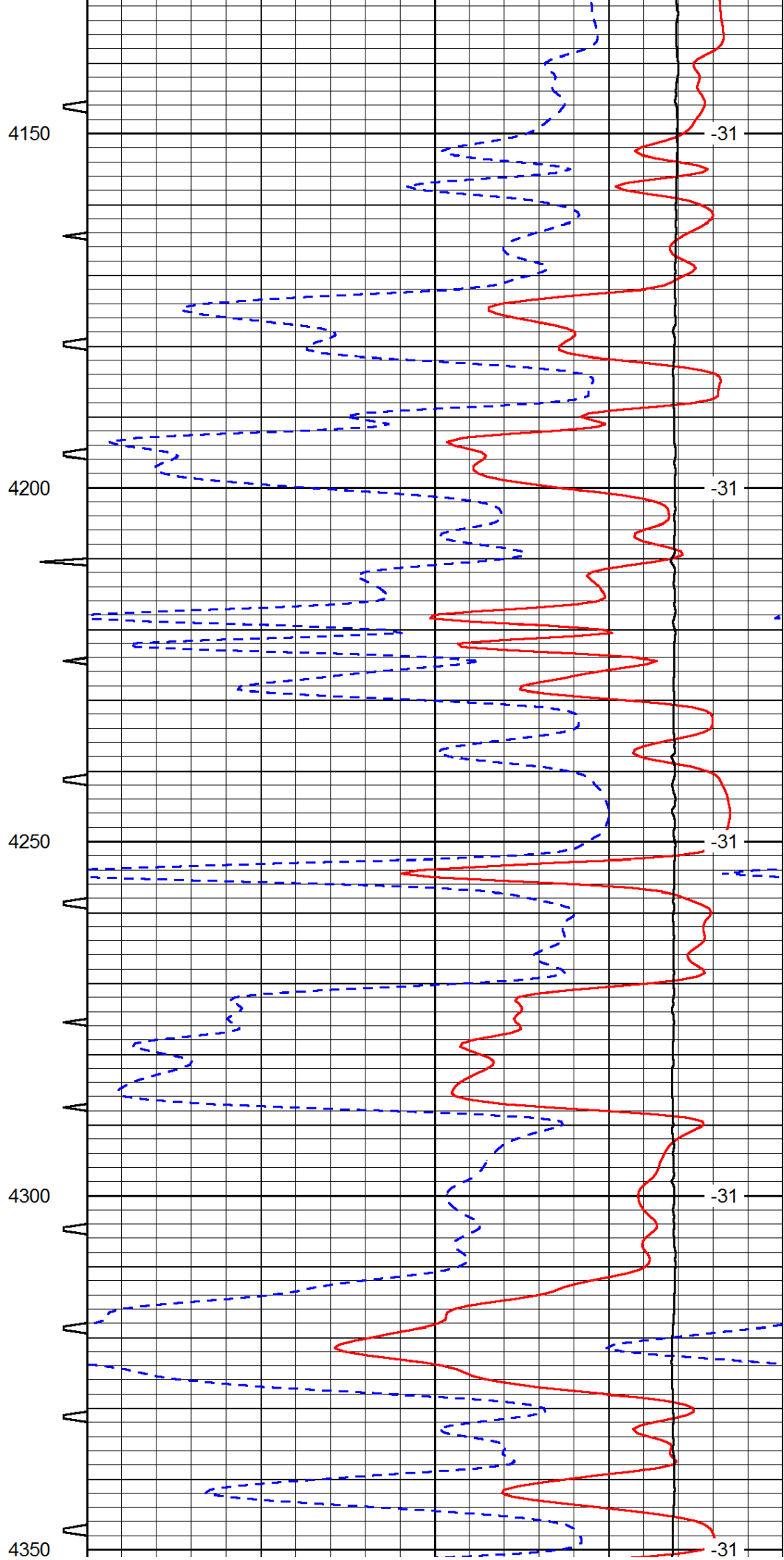
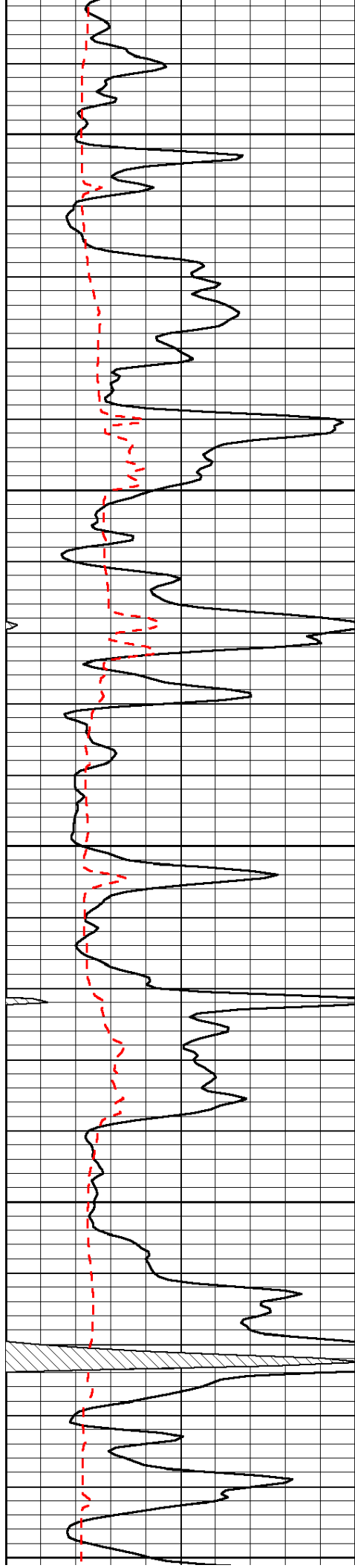


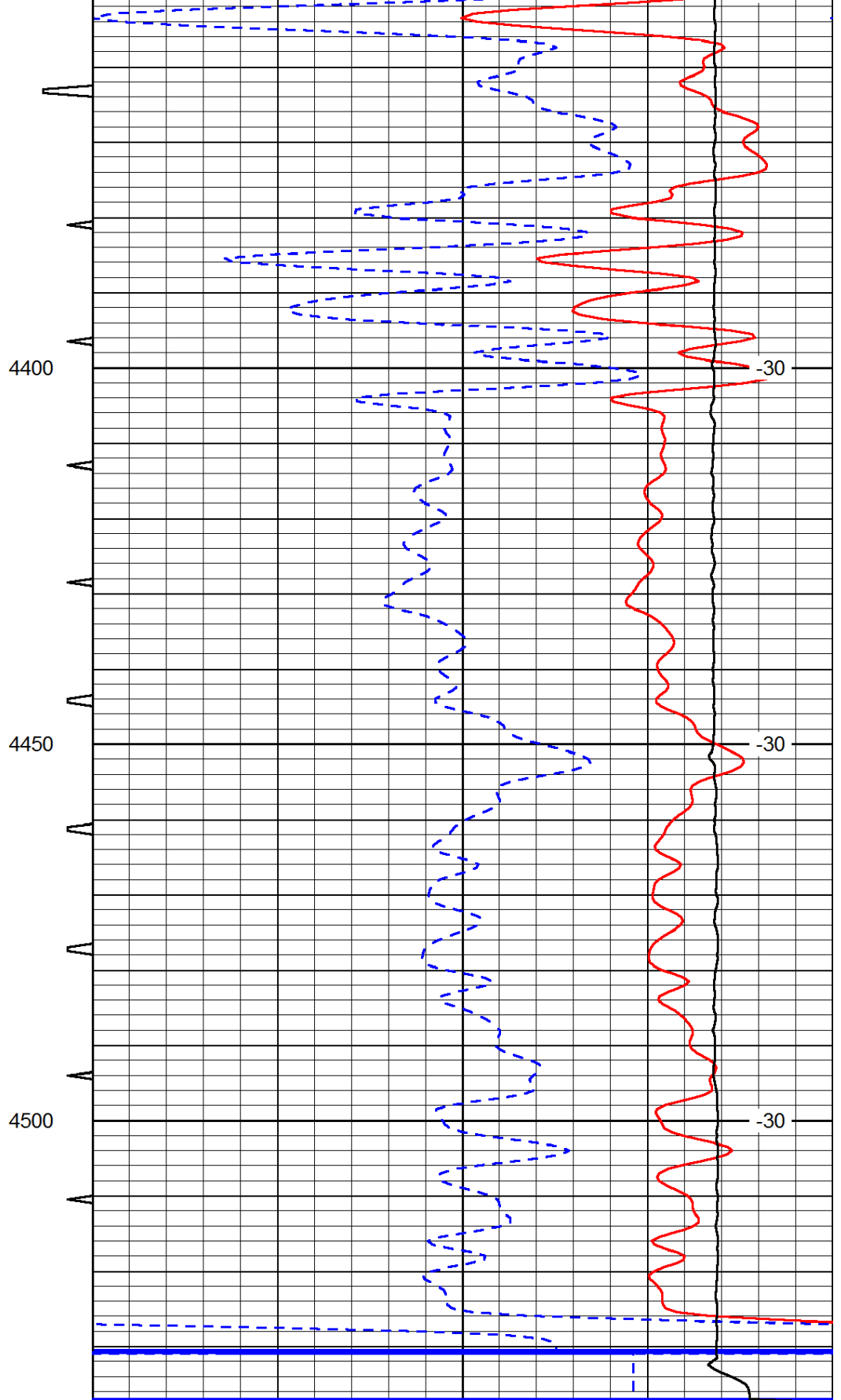
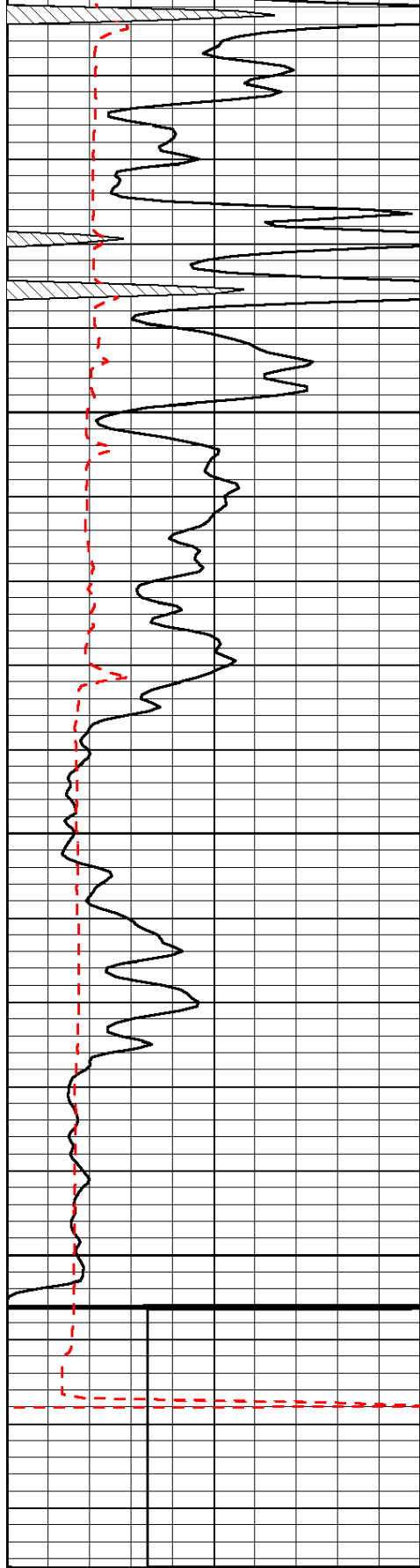












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