



Borehole Compensated Sonic Log

DIGITAL LOG (785) 625-3858

API No.

15-051-25917-00-00

Company Murfin Drilling Company, Inc.

Well Kraus No. 1-10

Field Wildcat

County Ellis

State Kansas

Location

2310' FNL & 800' FWL

Other Services
CNL/CDL
MEL/DIL

Sec: 10

Twp: 14S

Rge: 19W

Elevation

Permanent Datum Ground Level Elevation 2210

Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum

K.B. 2215
D.F.
G.L. 2210

Date

10/19/2009

Run Number

Two

Type Log

BHC Sonic

Depth Driller

3940

Depth Logger

3942

Bottom Logged Interval

3931

Top Logged Interval

200

Type Fluid In Hole

Chemical

Salinity, PPM CL

5,000

Density

9.1

Level

Full

Max. Rec. Temp. F

117

Operating Rig Time

5 Hours

Equipment -- Location

10 Hays

Recorded By

Jason Wellbrock

Witnessed By

Paul Gunzelman

Borehole Record

Casing Record

Run No

Bit

From

To

Size

Wgt.

24#

From

To

1

12.25

00

220

8.625

24#

00

220

<<< 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.

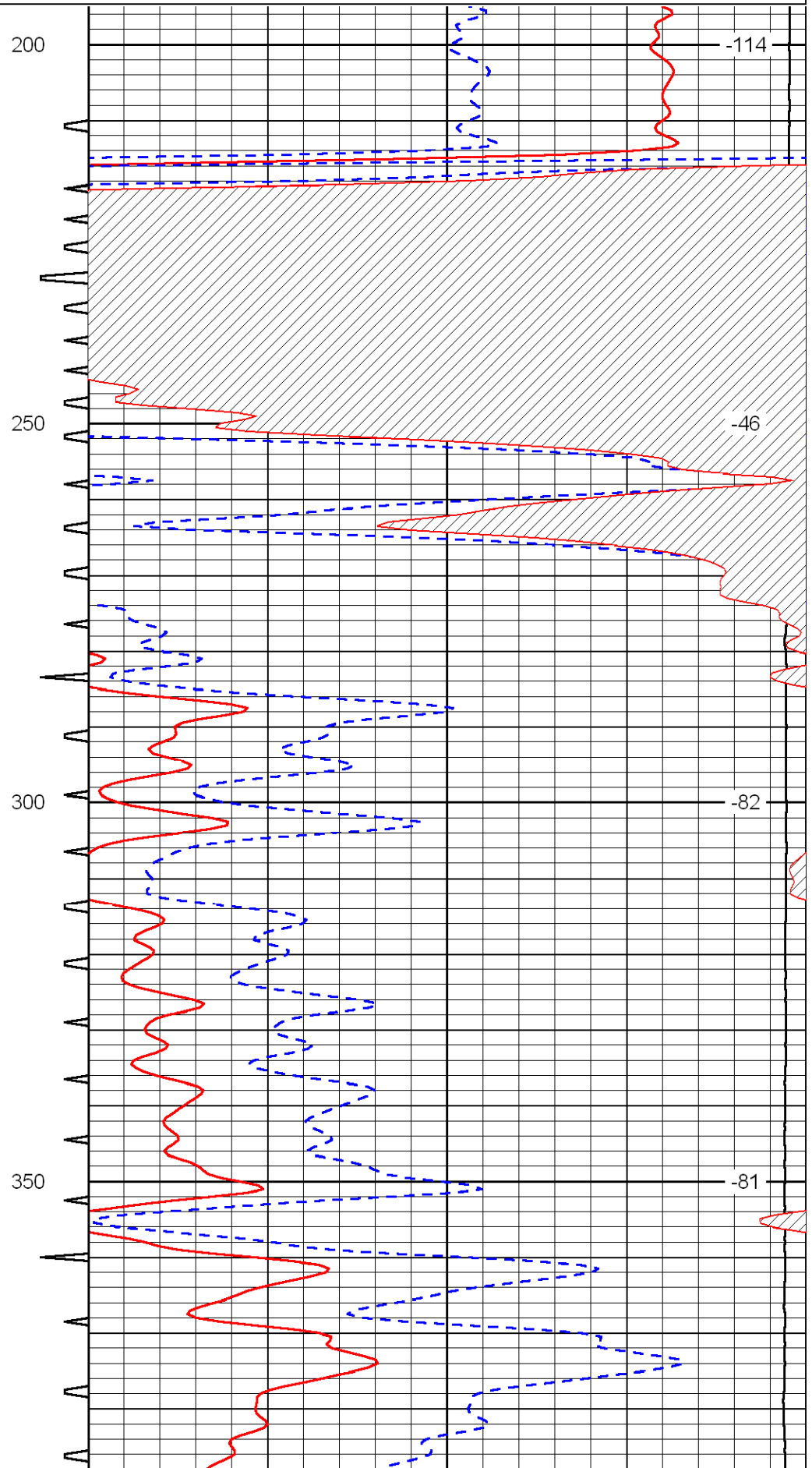
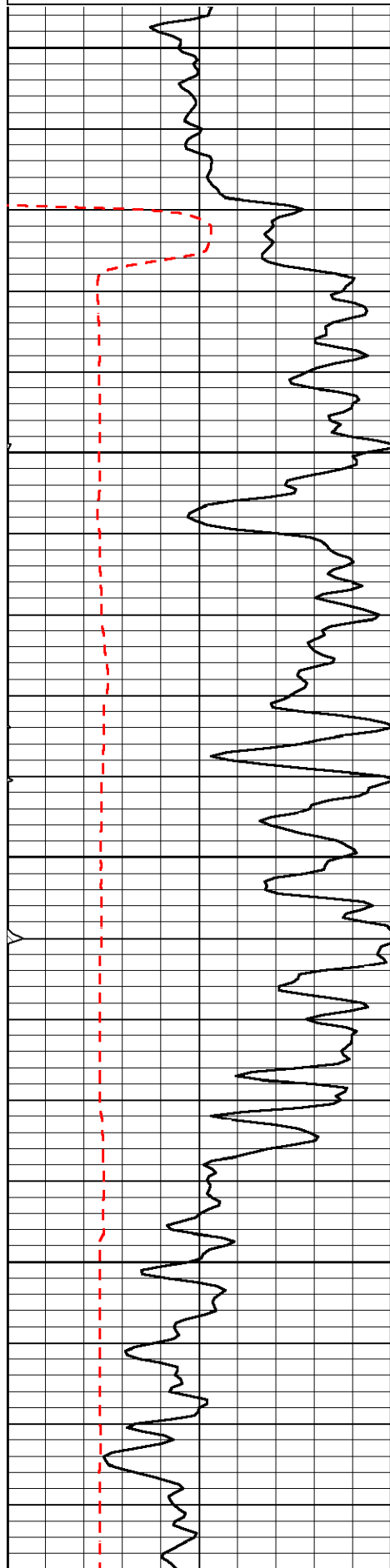
Comments

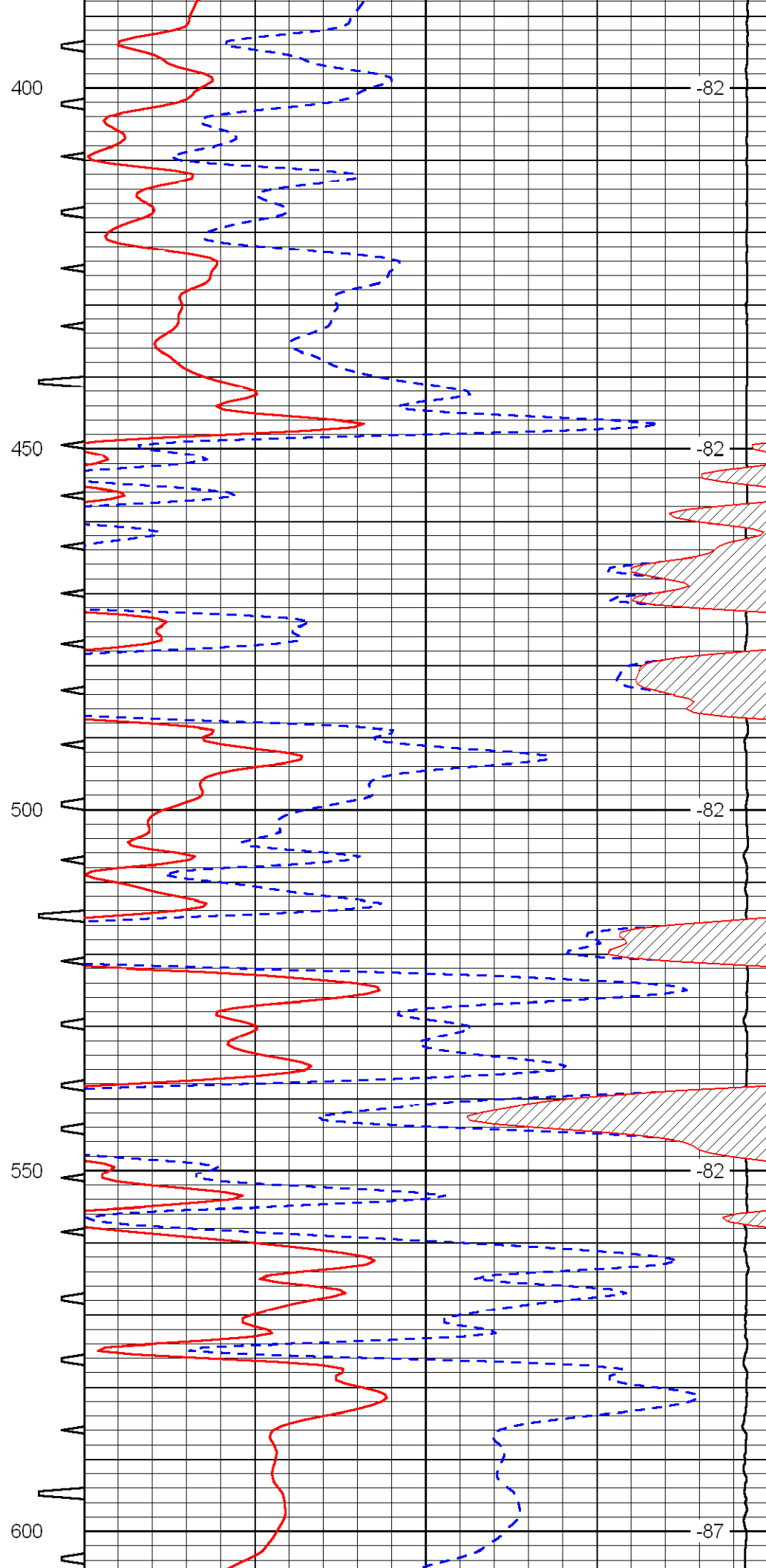
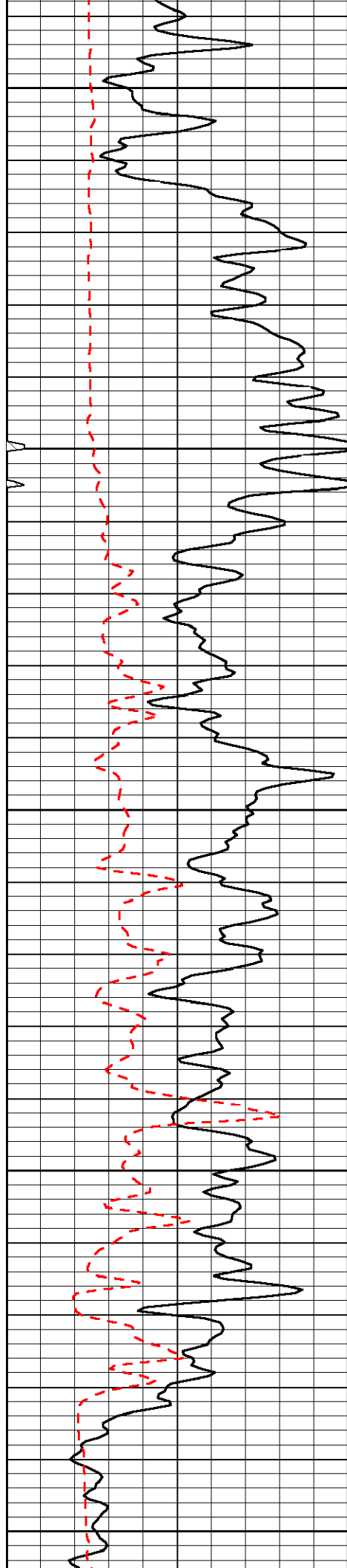
Thank you for using Log-Tech, Inc.
(785) 625-3858

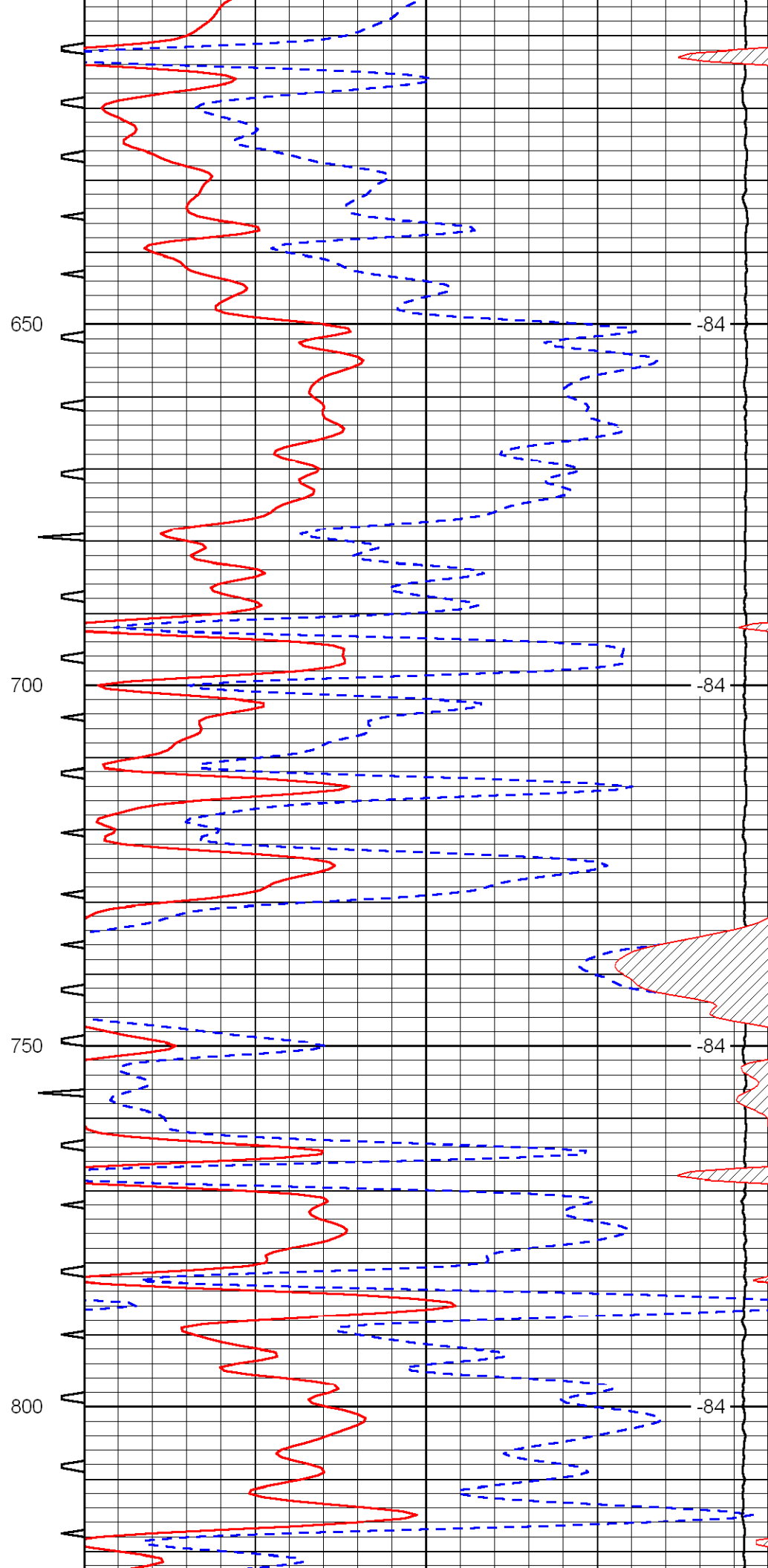
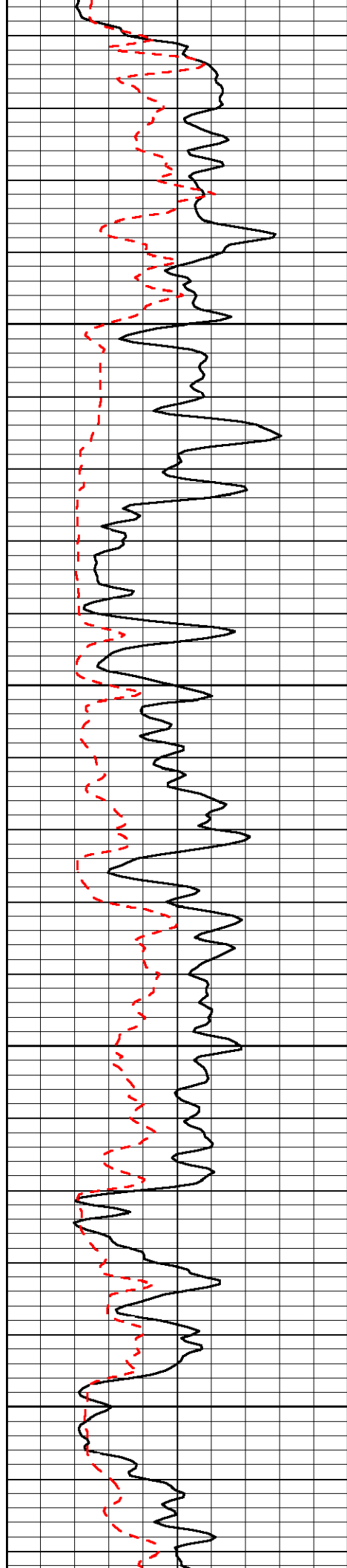
Hays W 4 on Gulf Course rd, 1/2 S, E Into

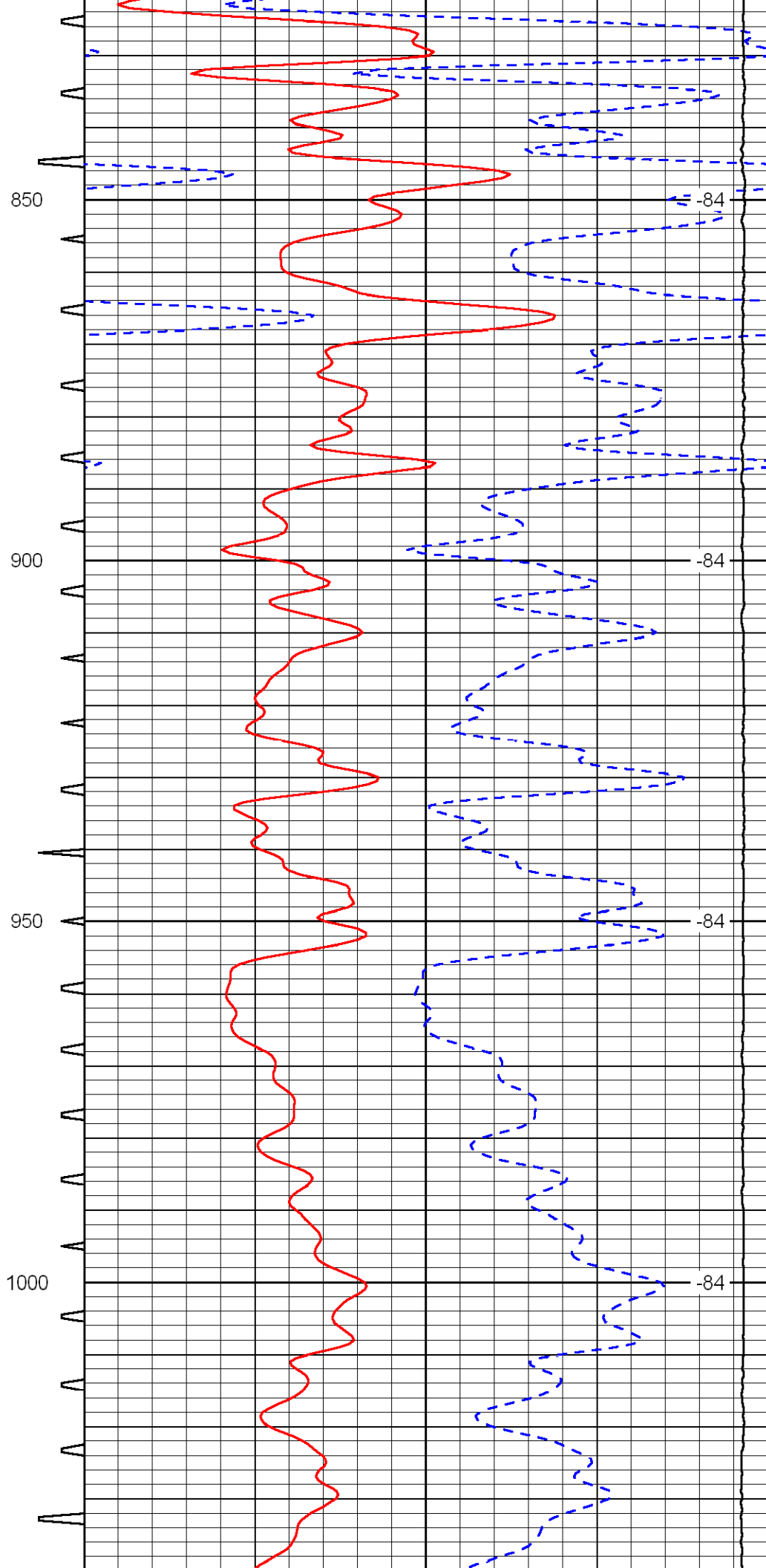
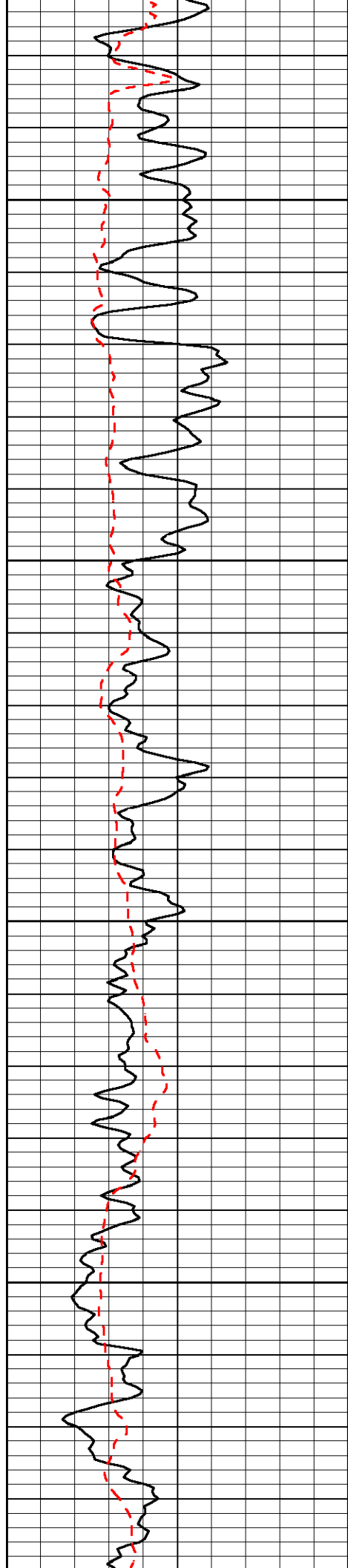
Database File: c:\warrior\data\murfin_kraus#1-10\murfhd.db
Dataset Pathname: dil\murf2in
Presentation Format: sonic
Dataset Creation: Mon Oct 19 20:43:55 2009
Charted by: Depth in Feet scaled 1:240

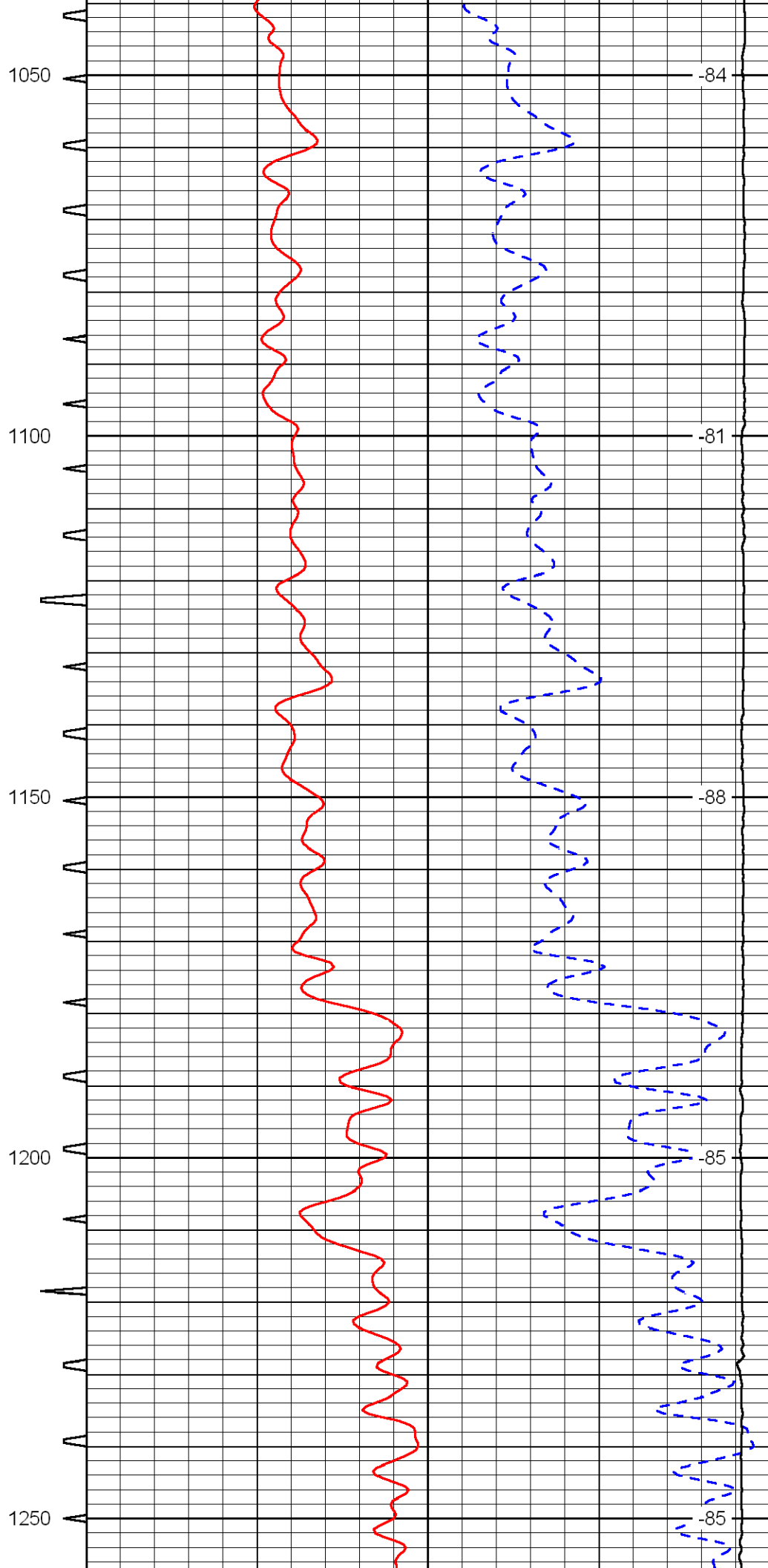
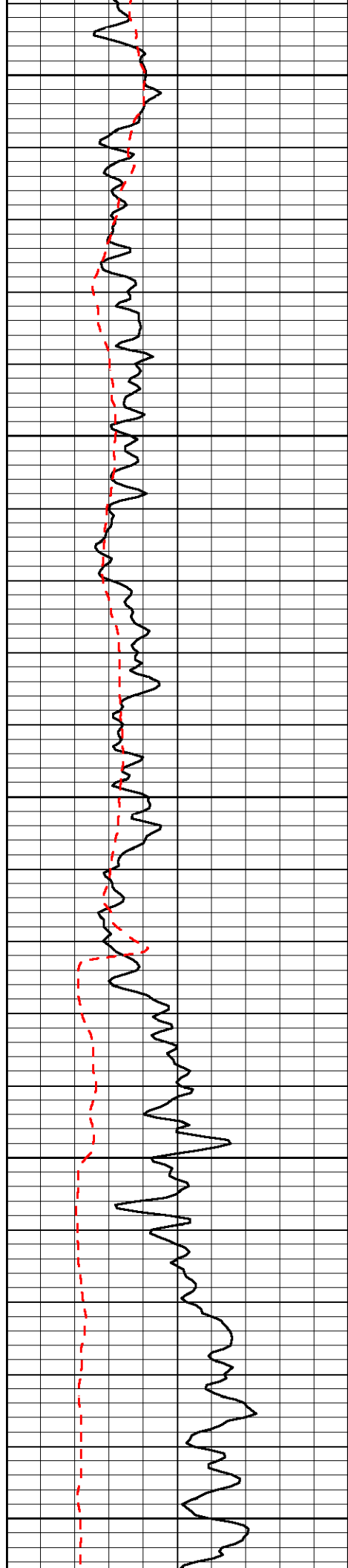
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	Gamma Ray	300	5 (msec)	0	SPOR (pu)	-10
6	Caliper (in)	16		15000	LTEN (lb) (lb)	0
						LSPD (ft/min)

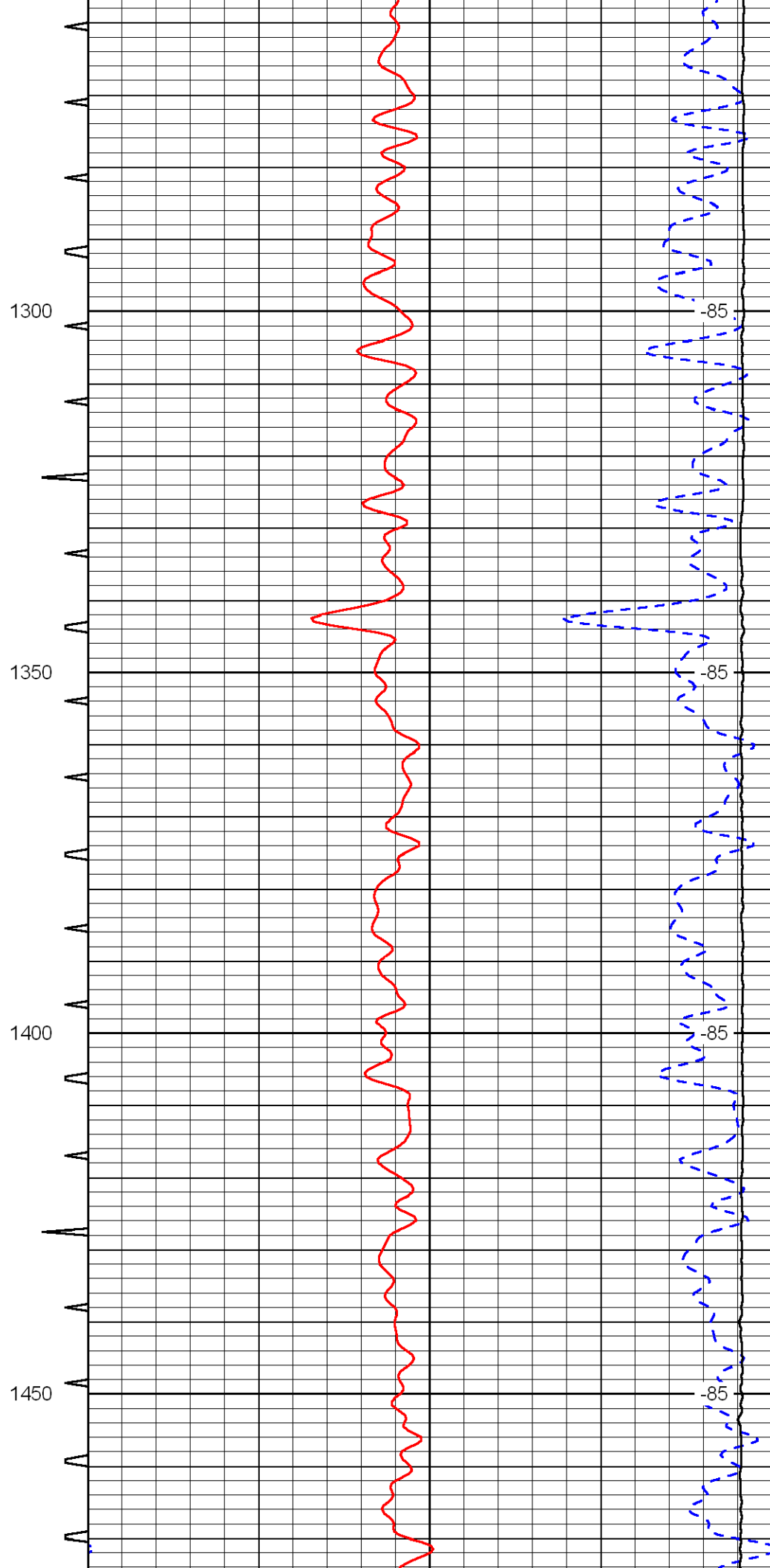
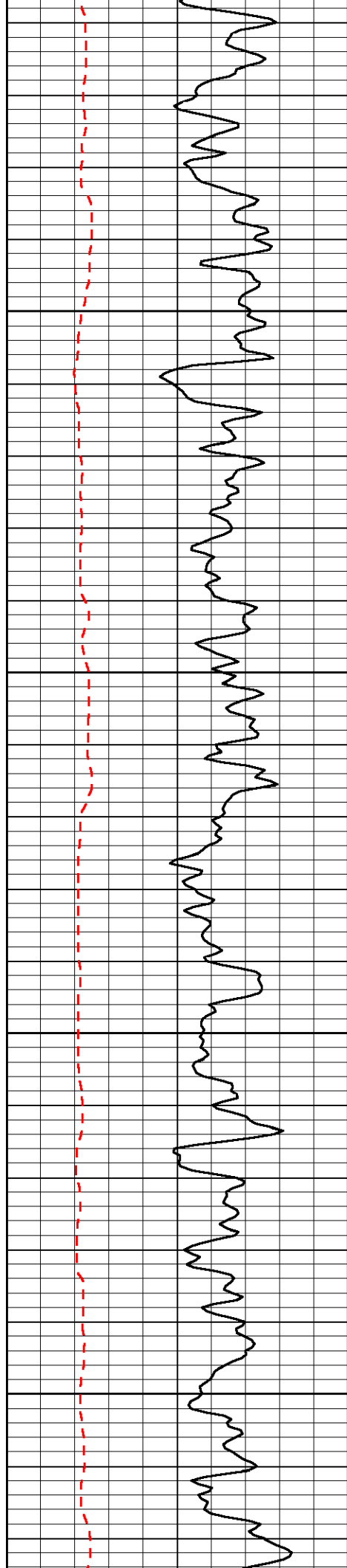


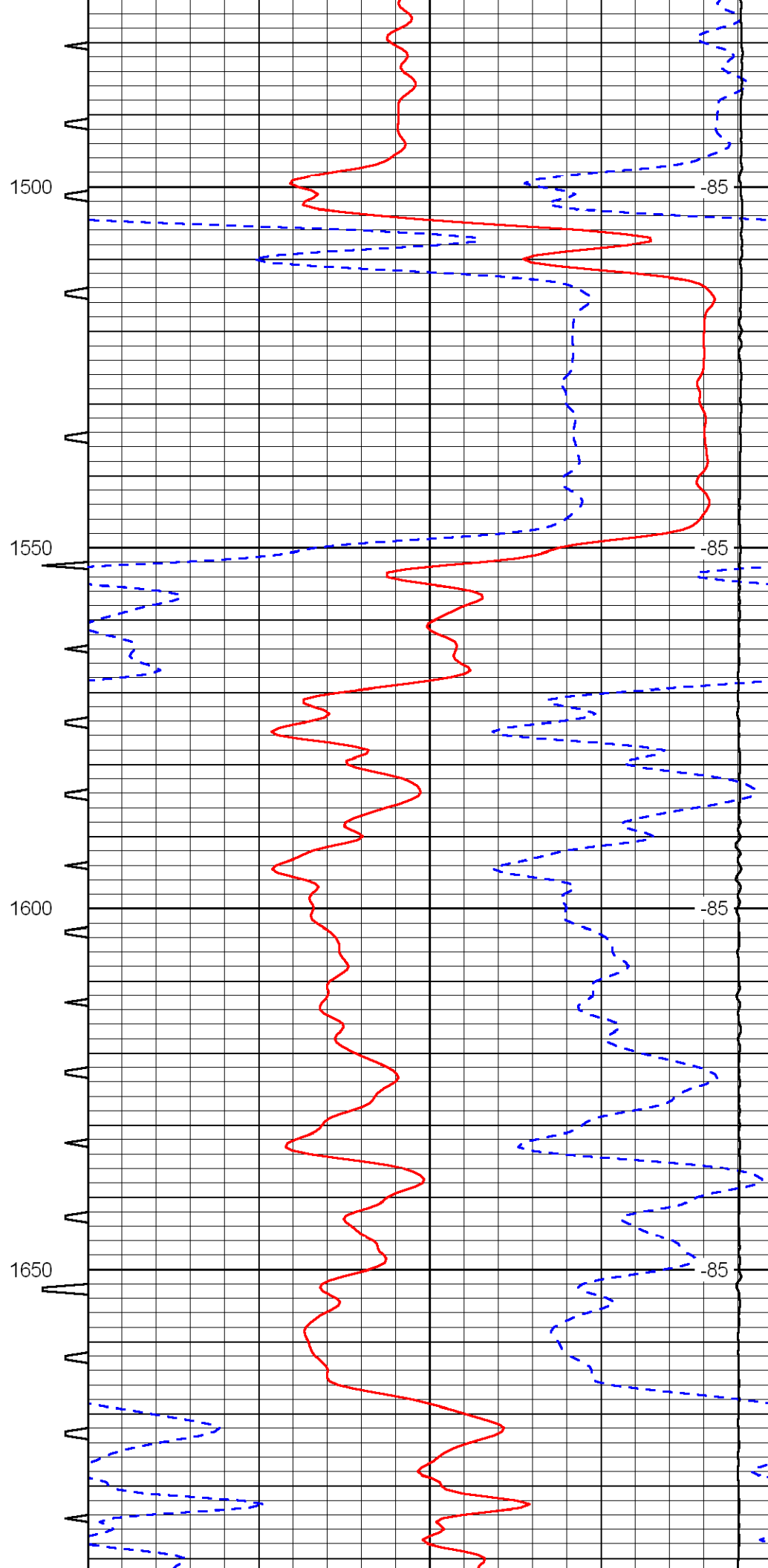
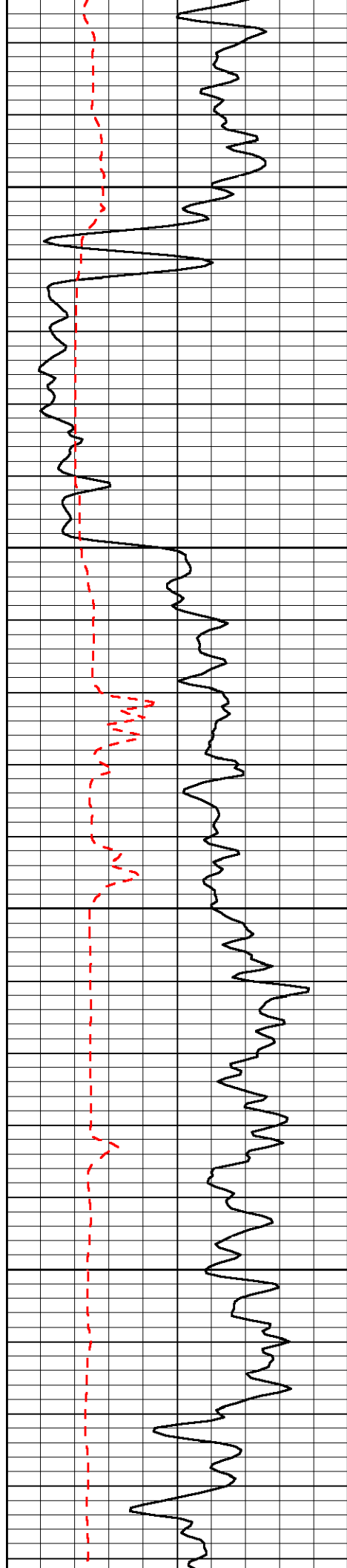


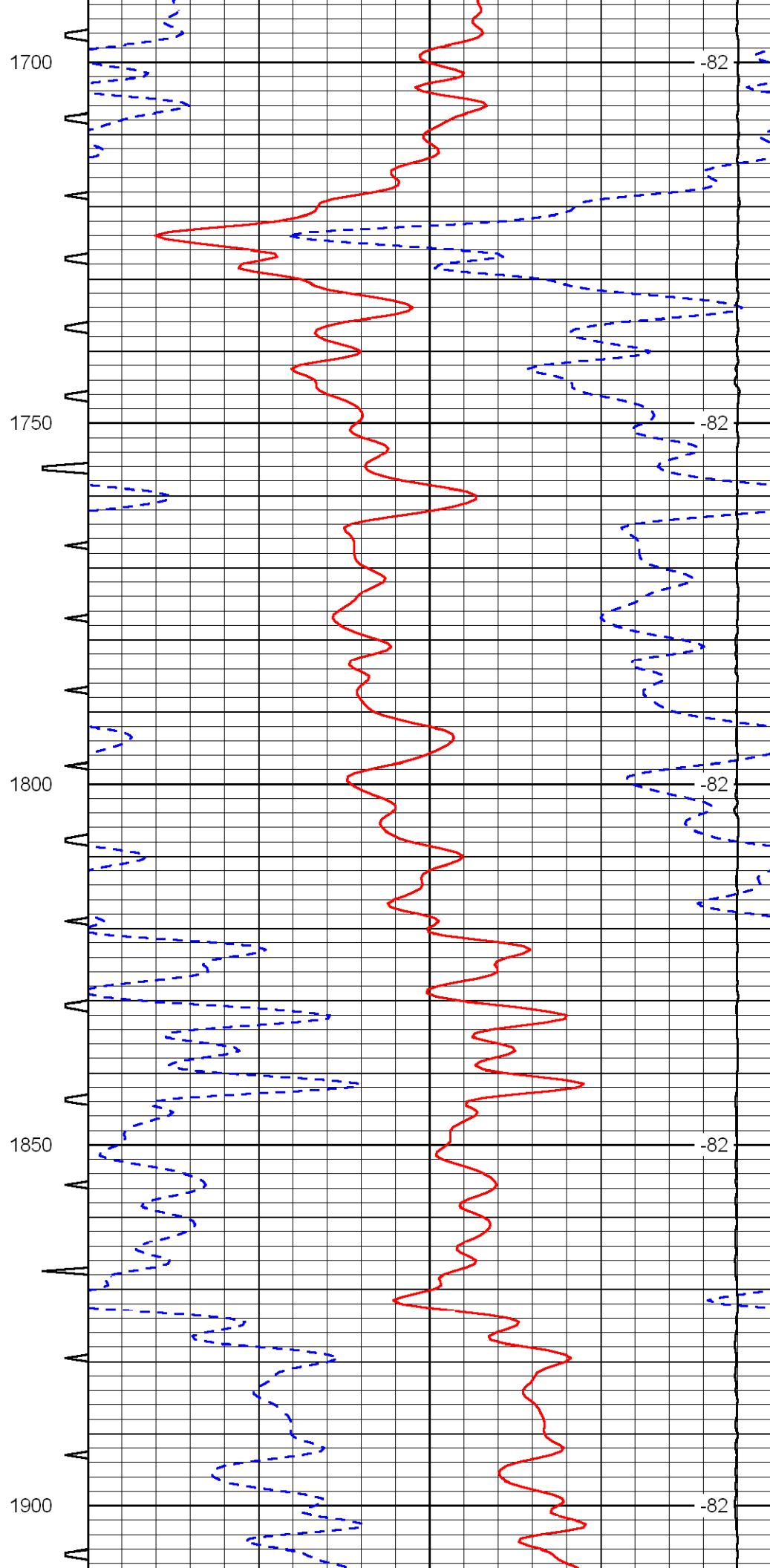
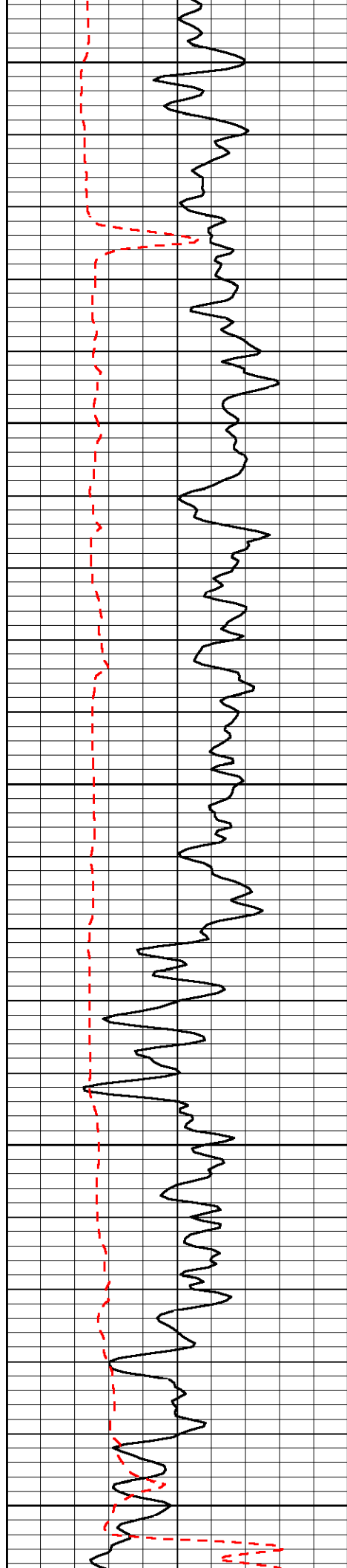


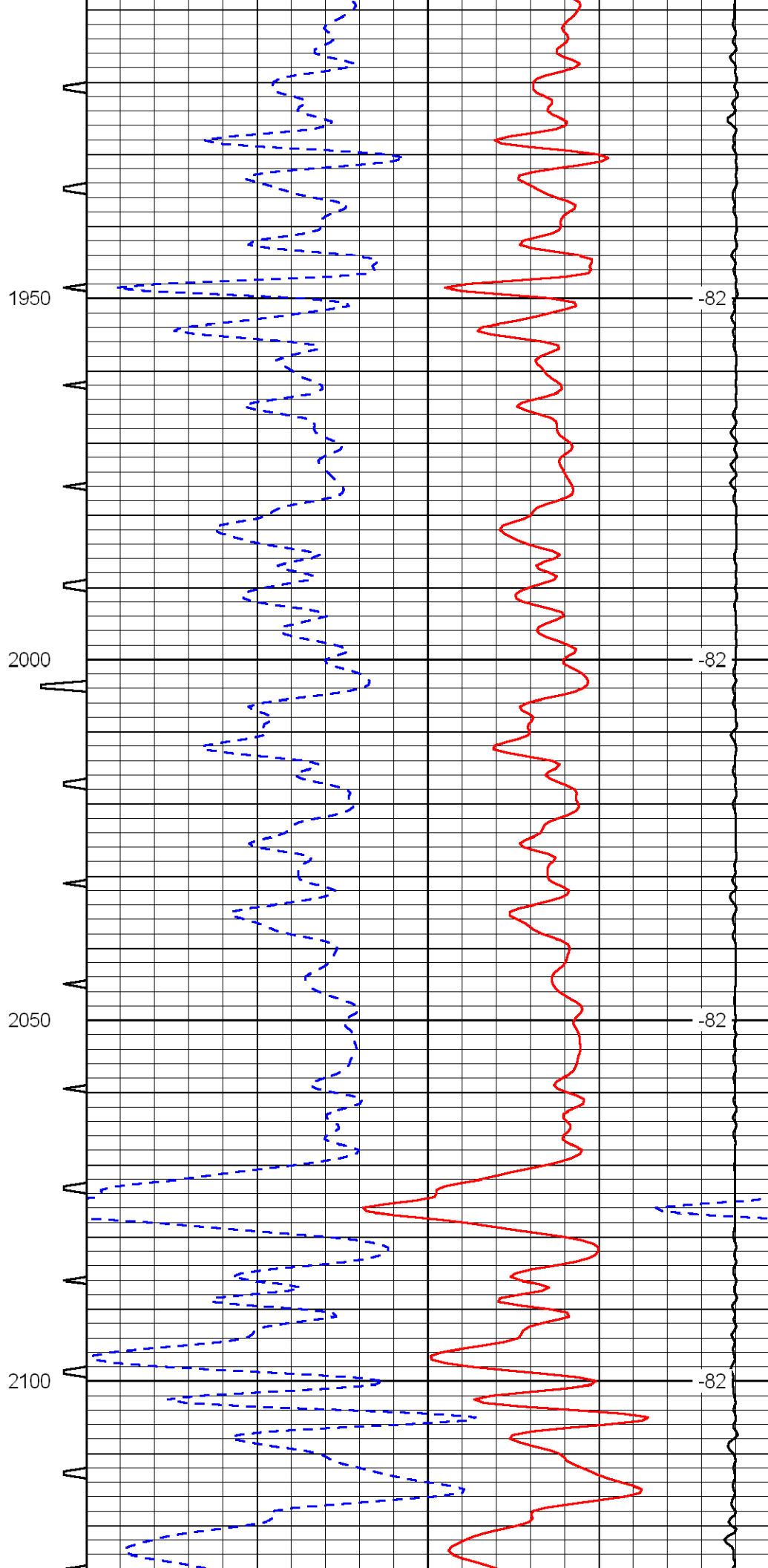
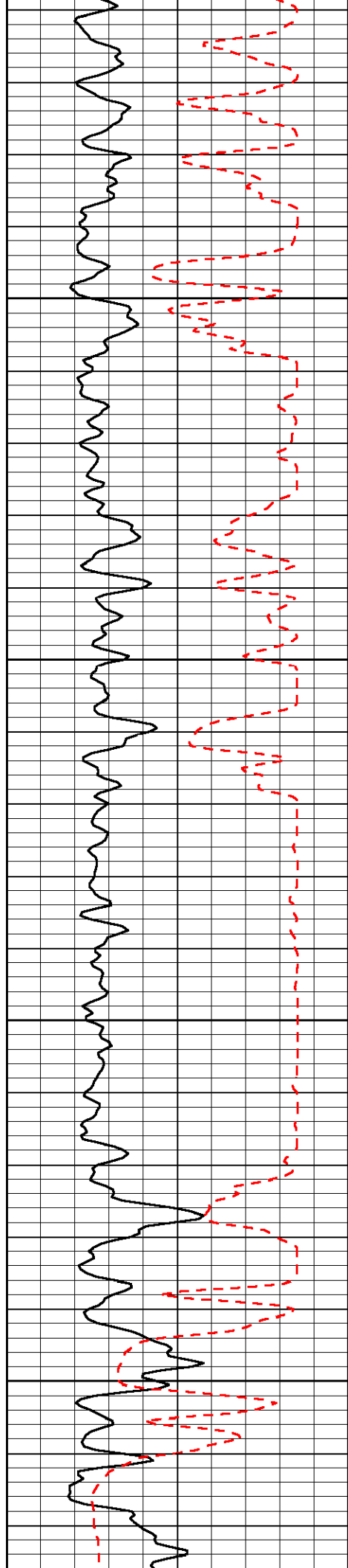


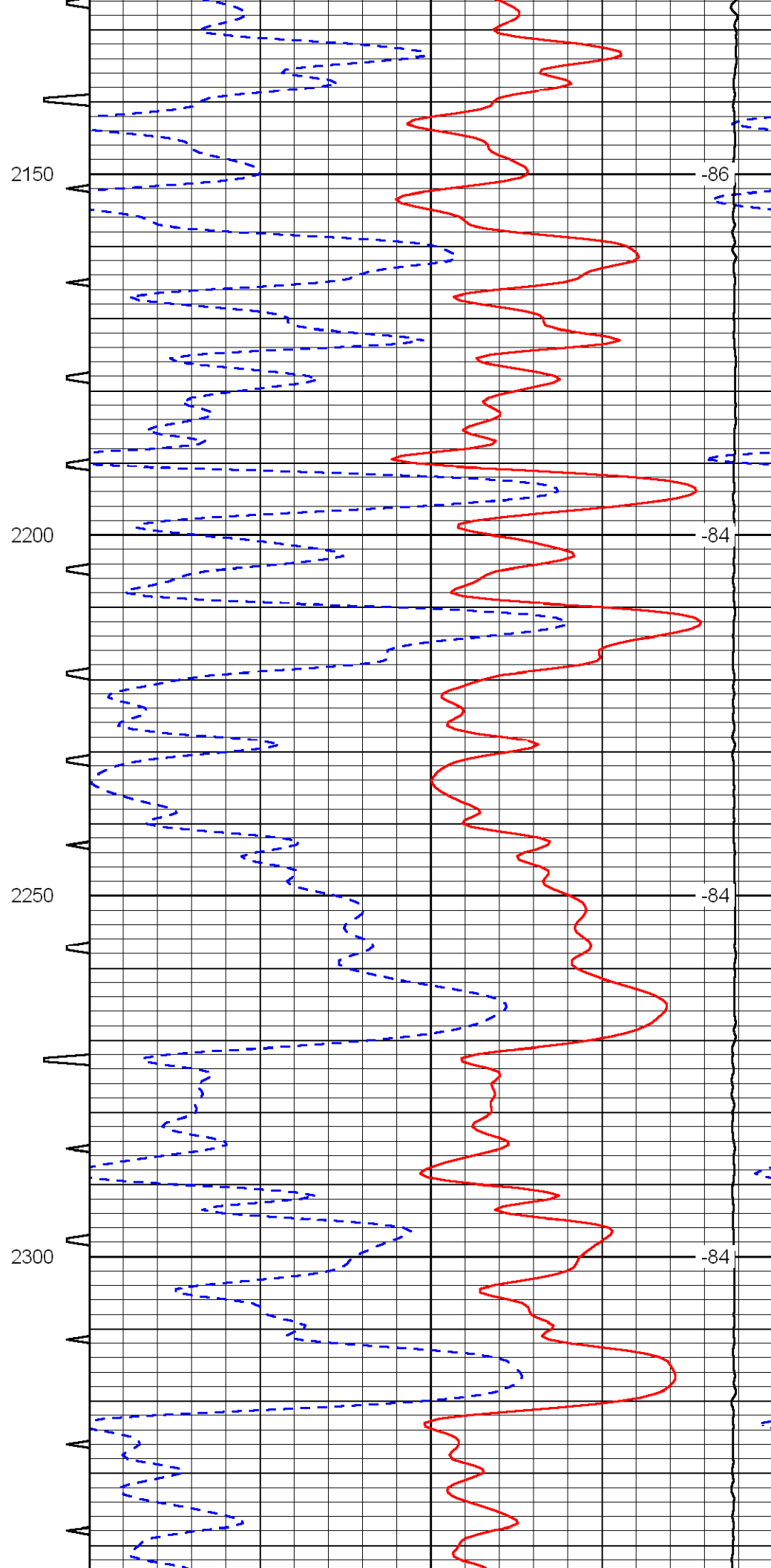
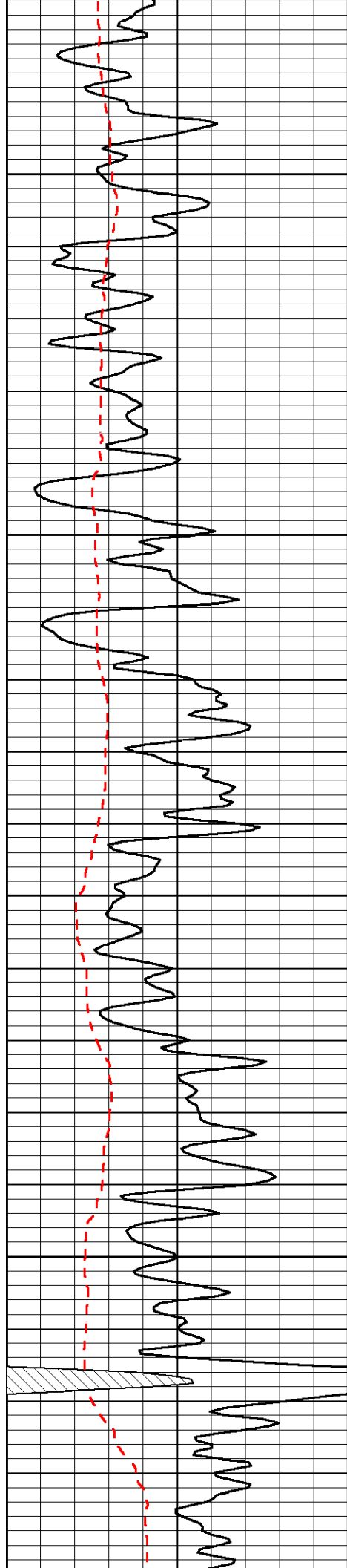


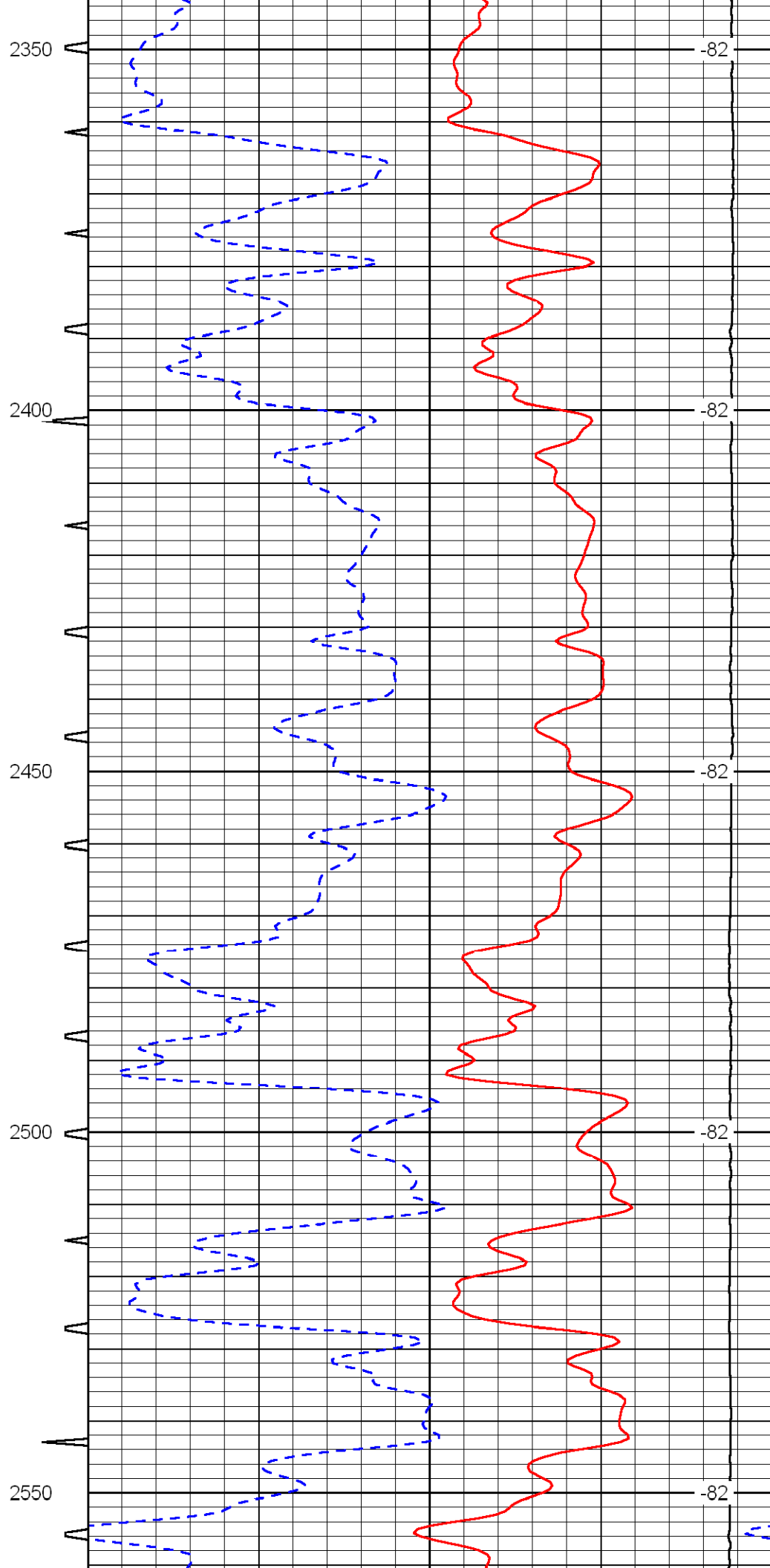
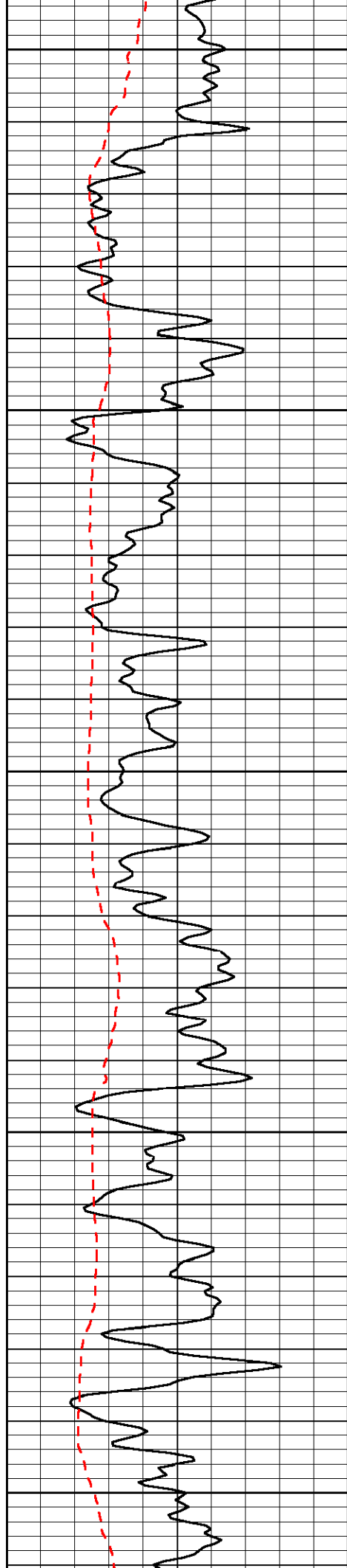


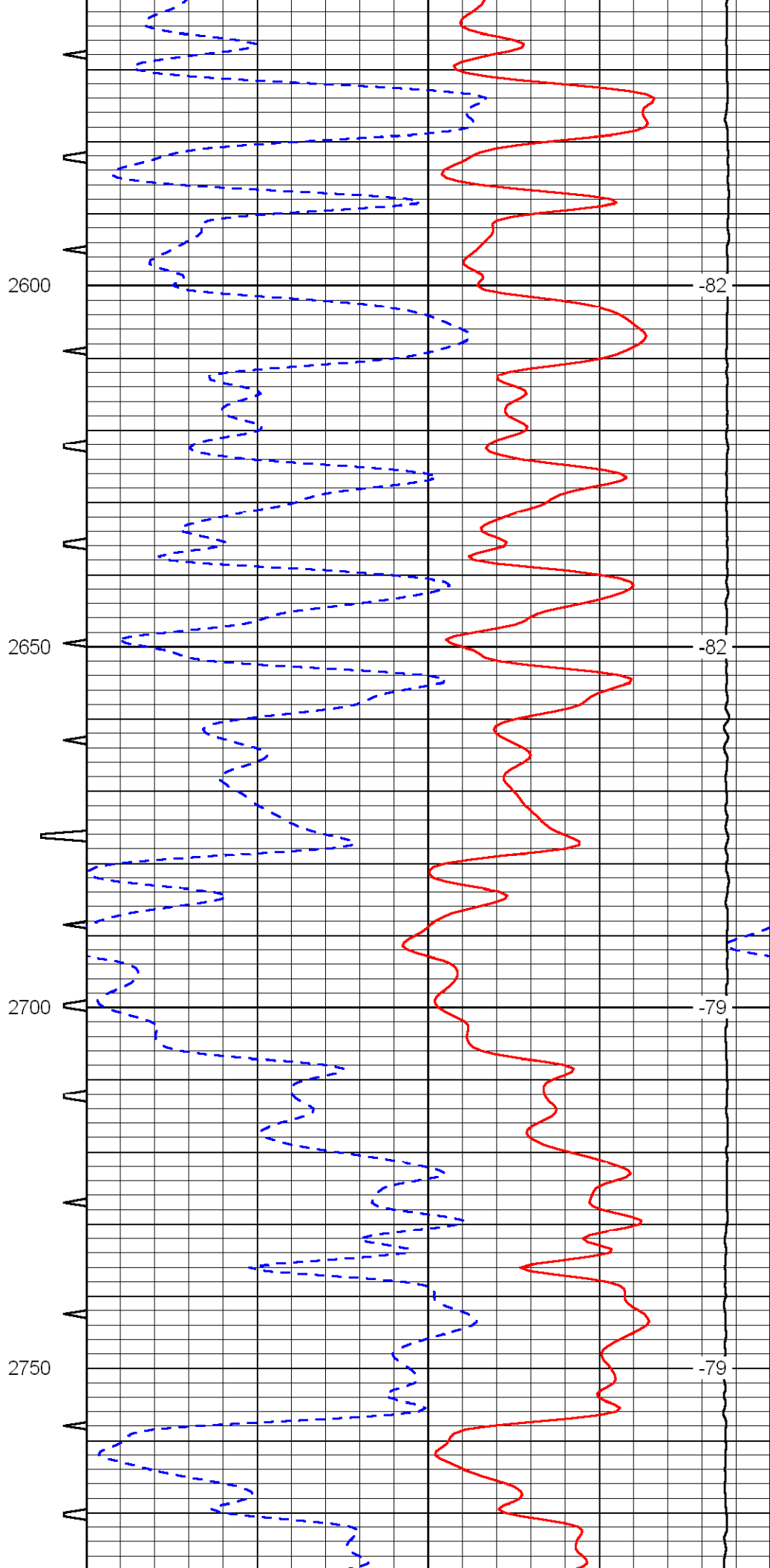
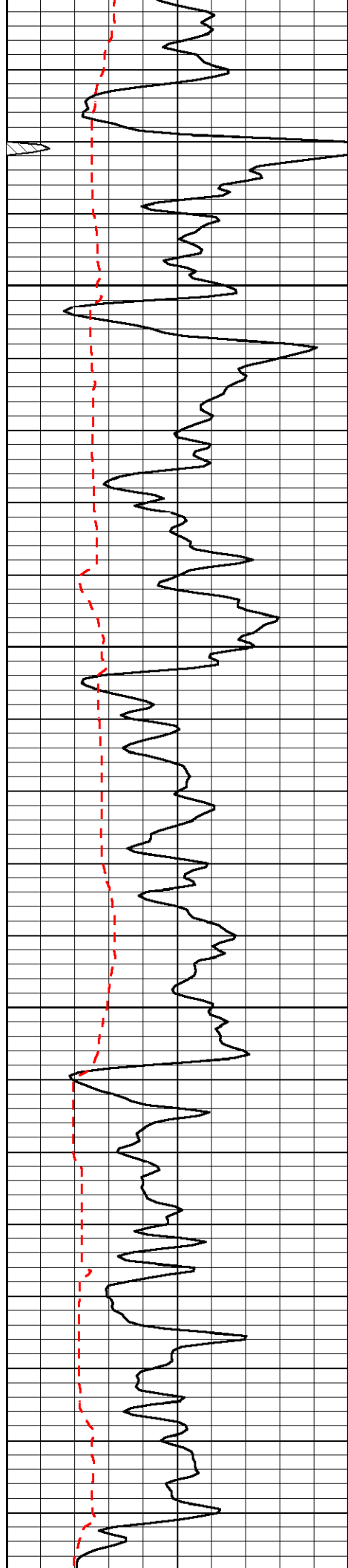


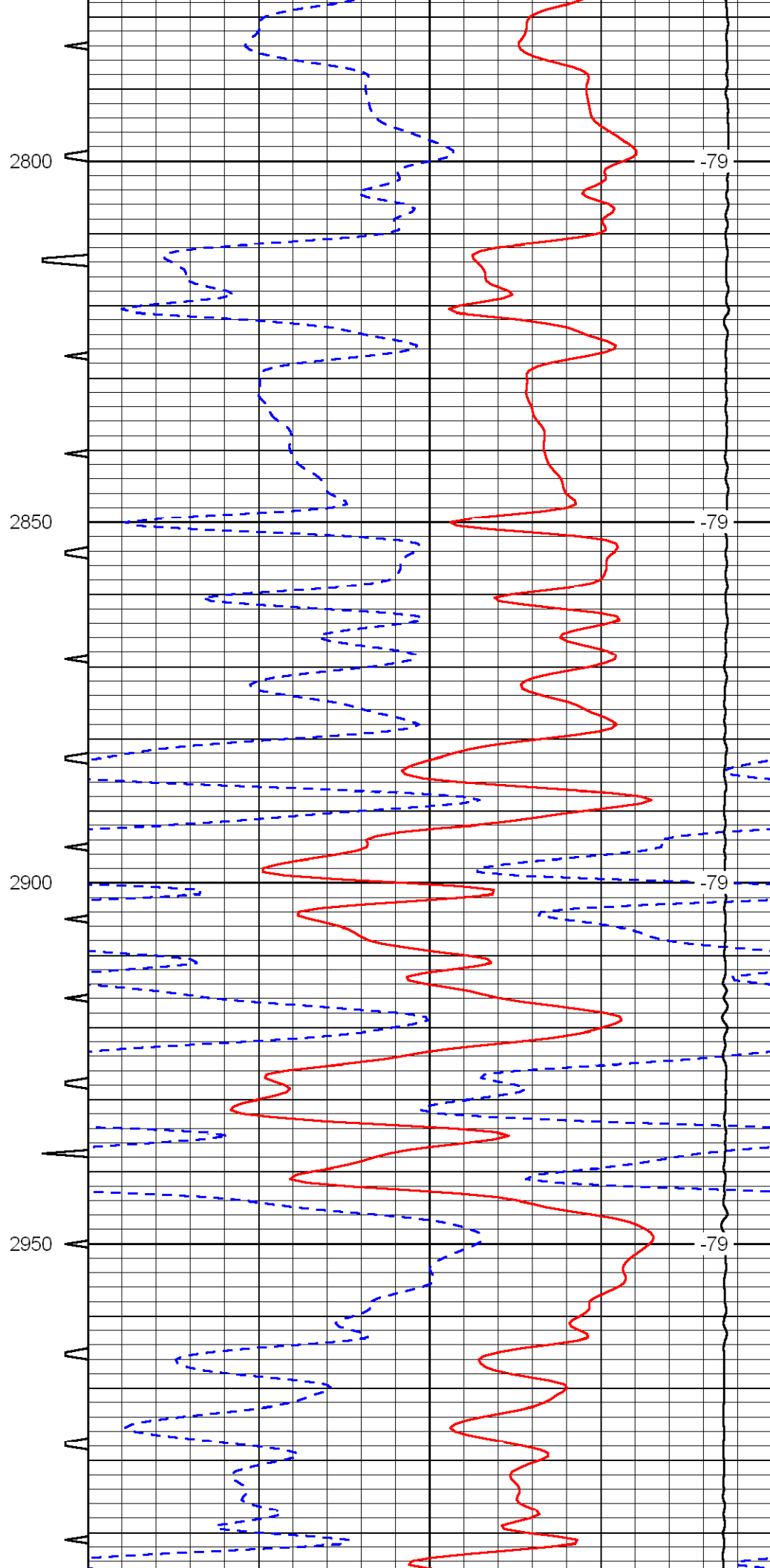
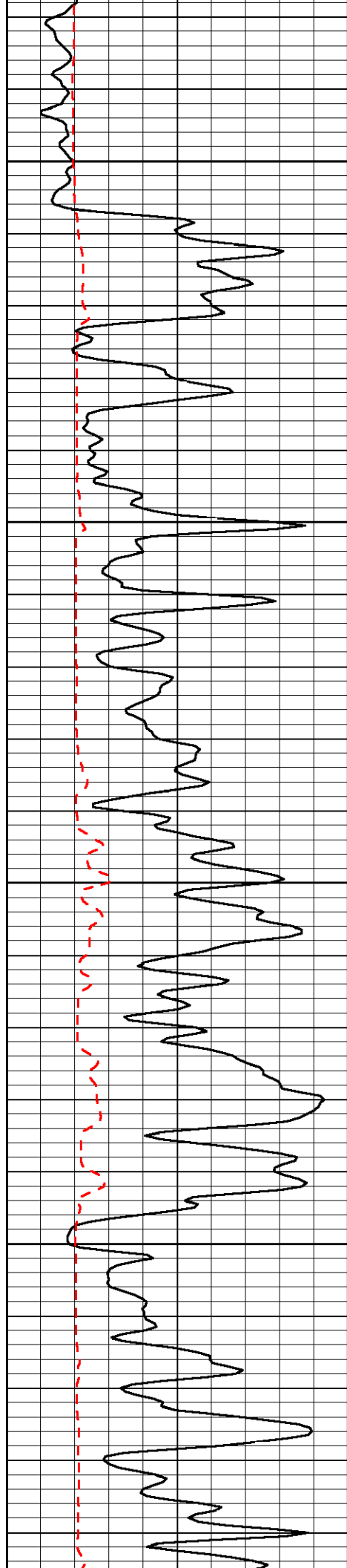


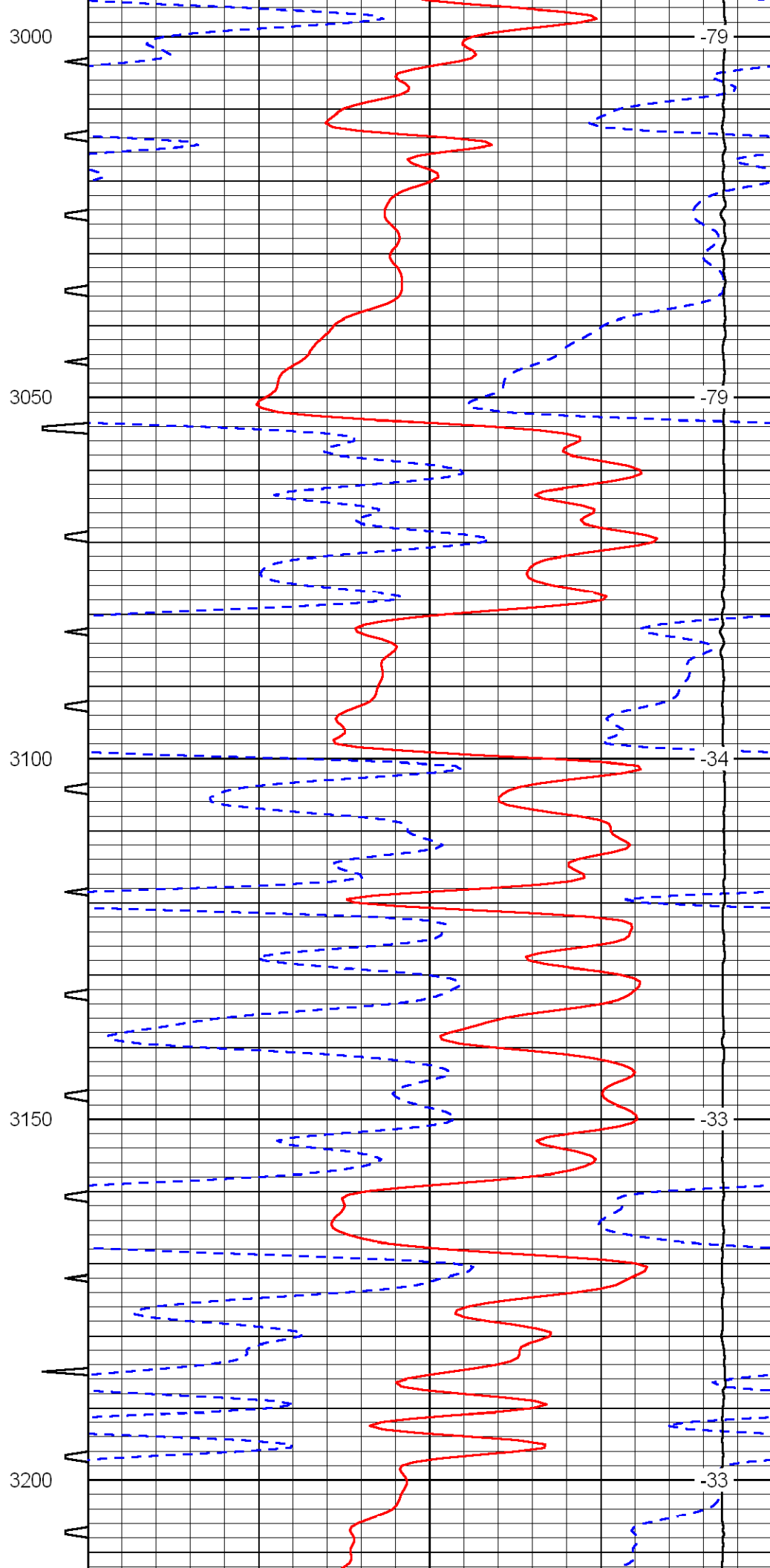
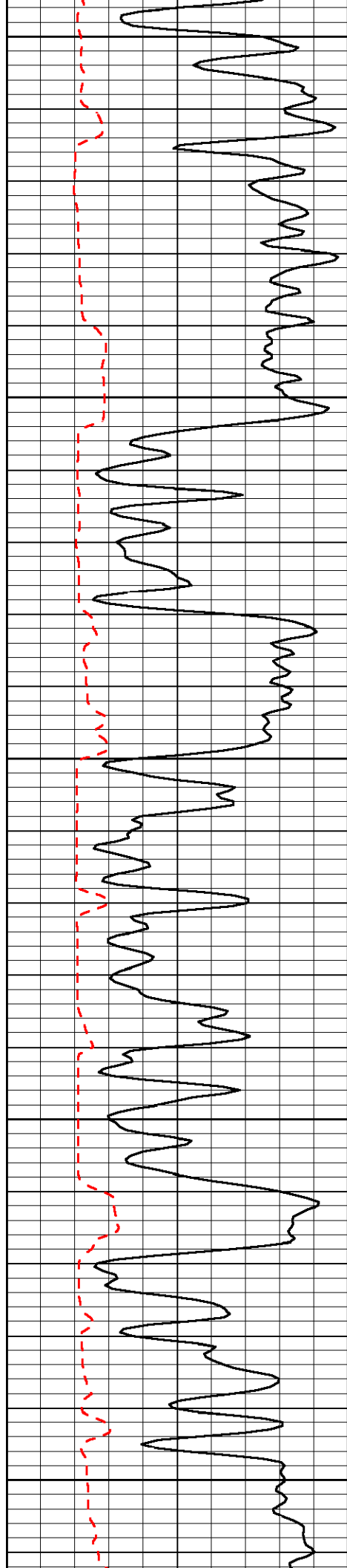


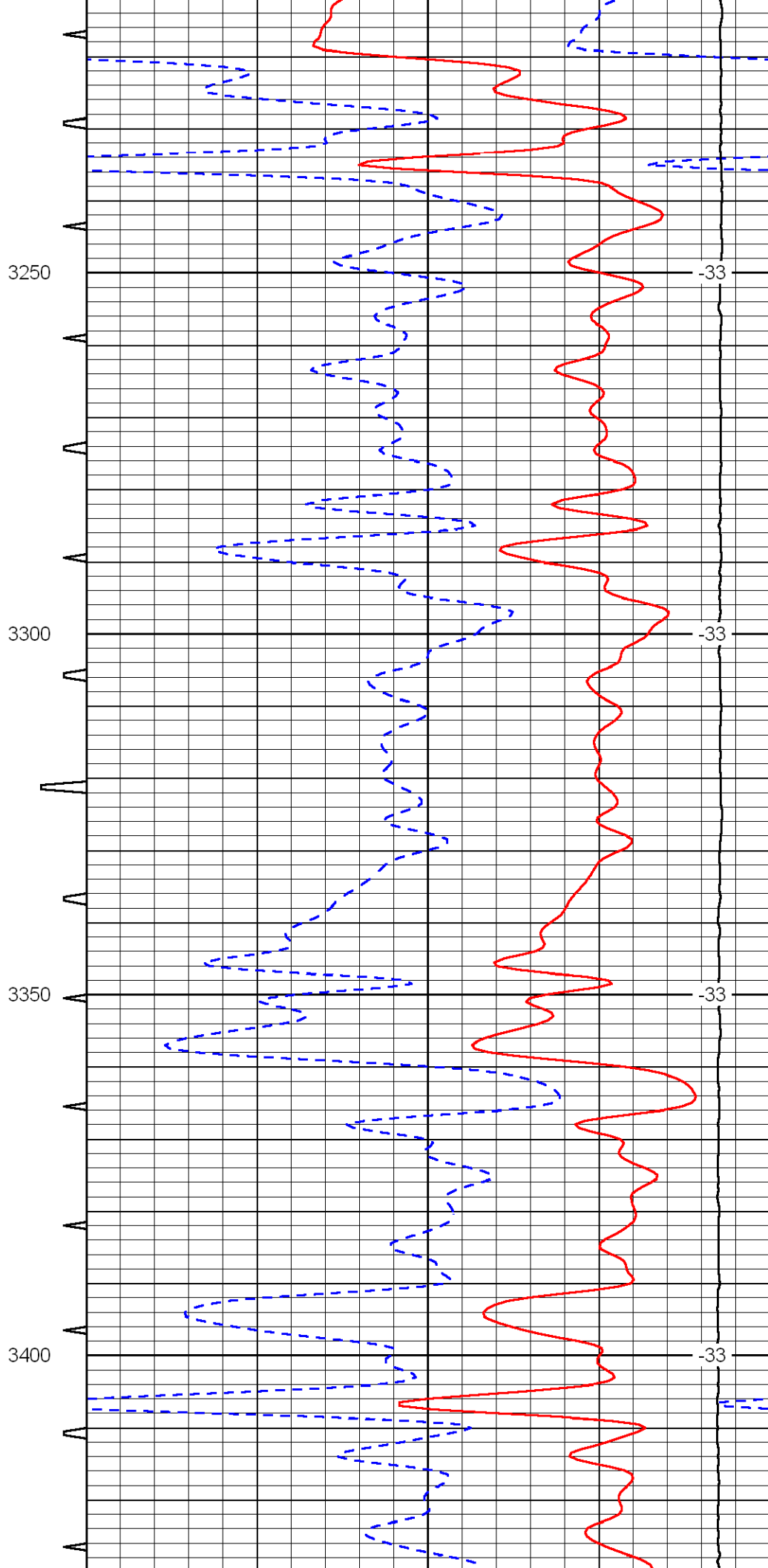
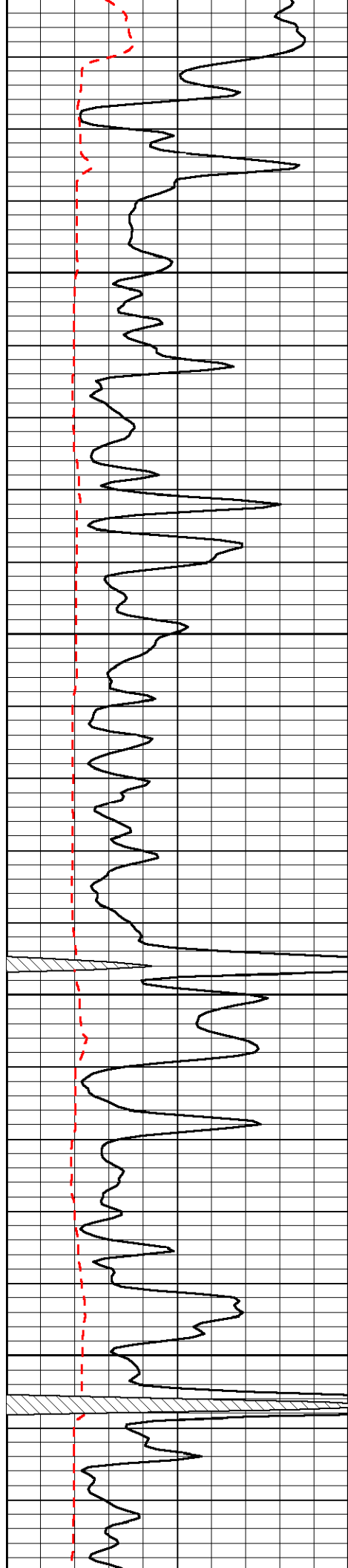


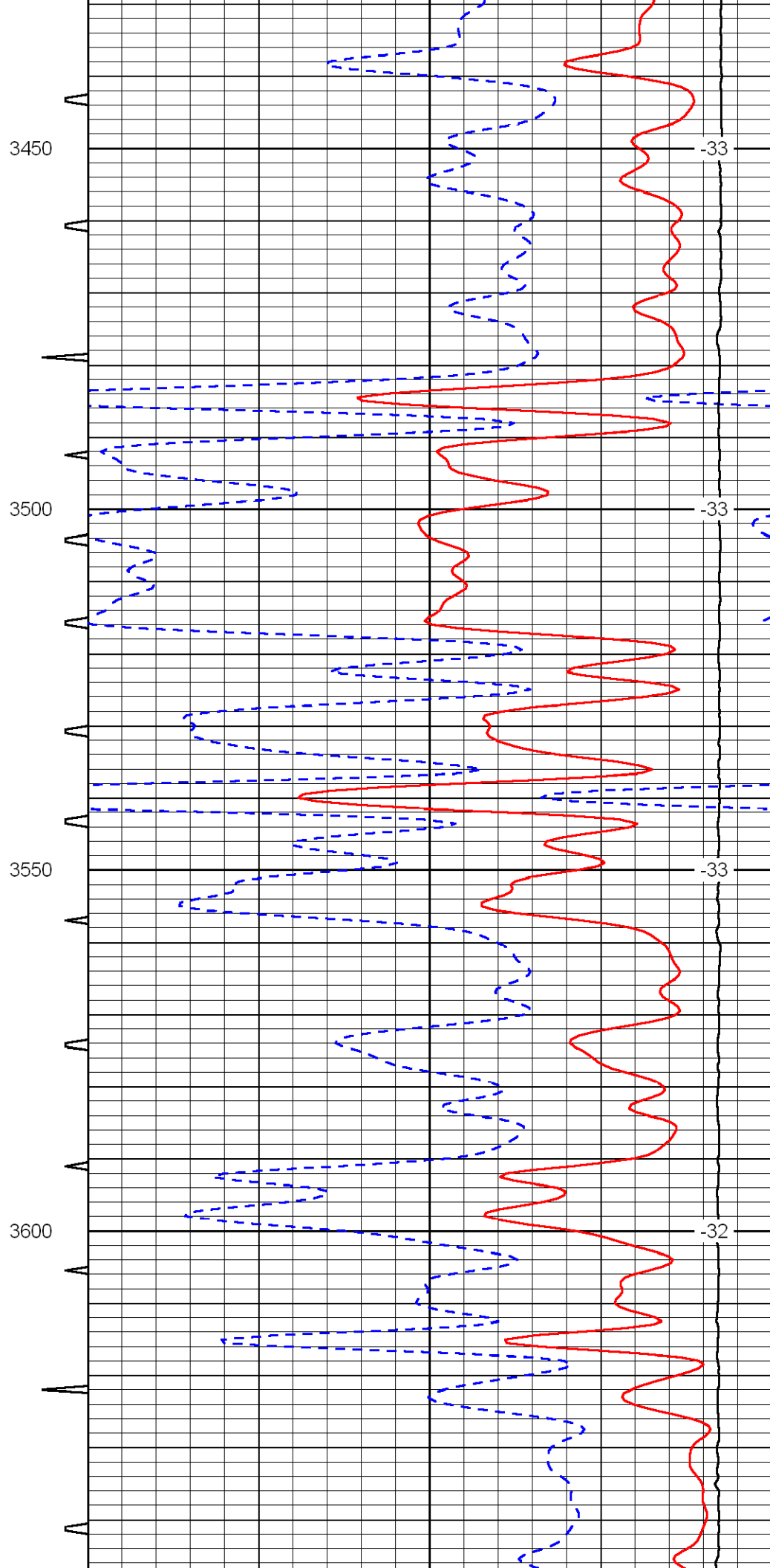
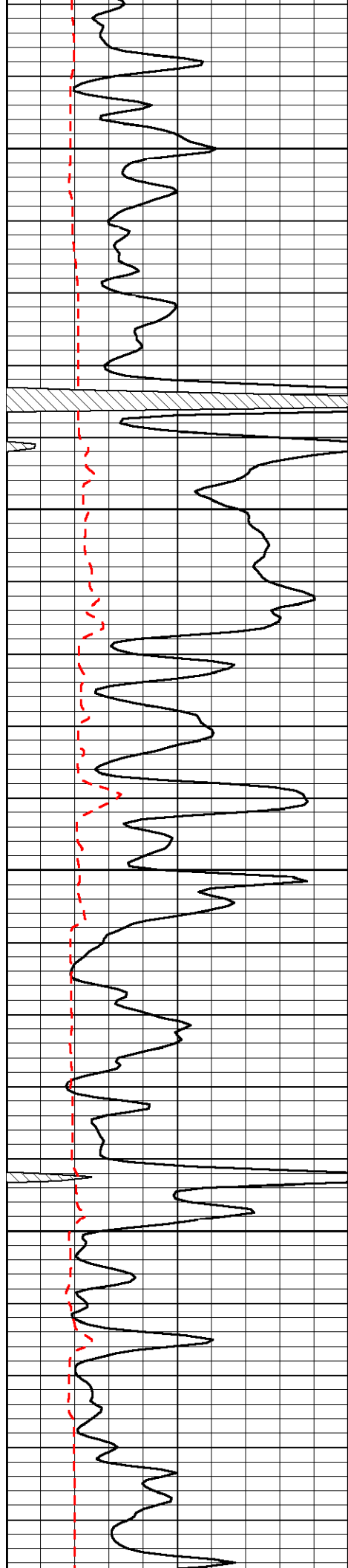


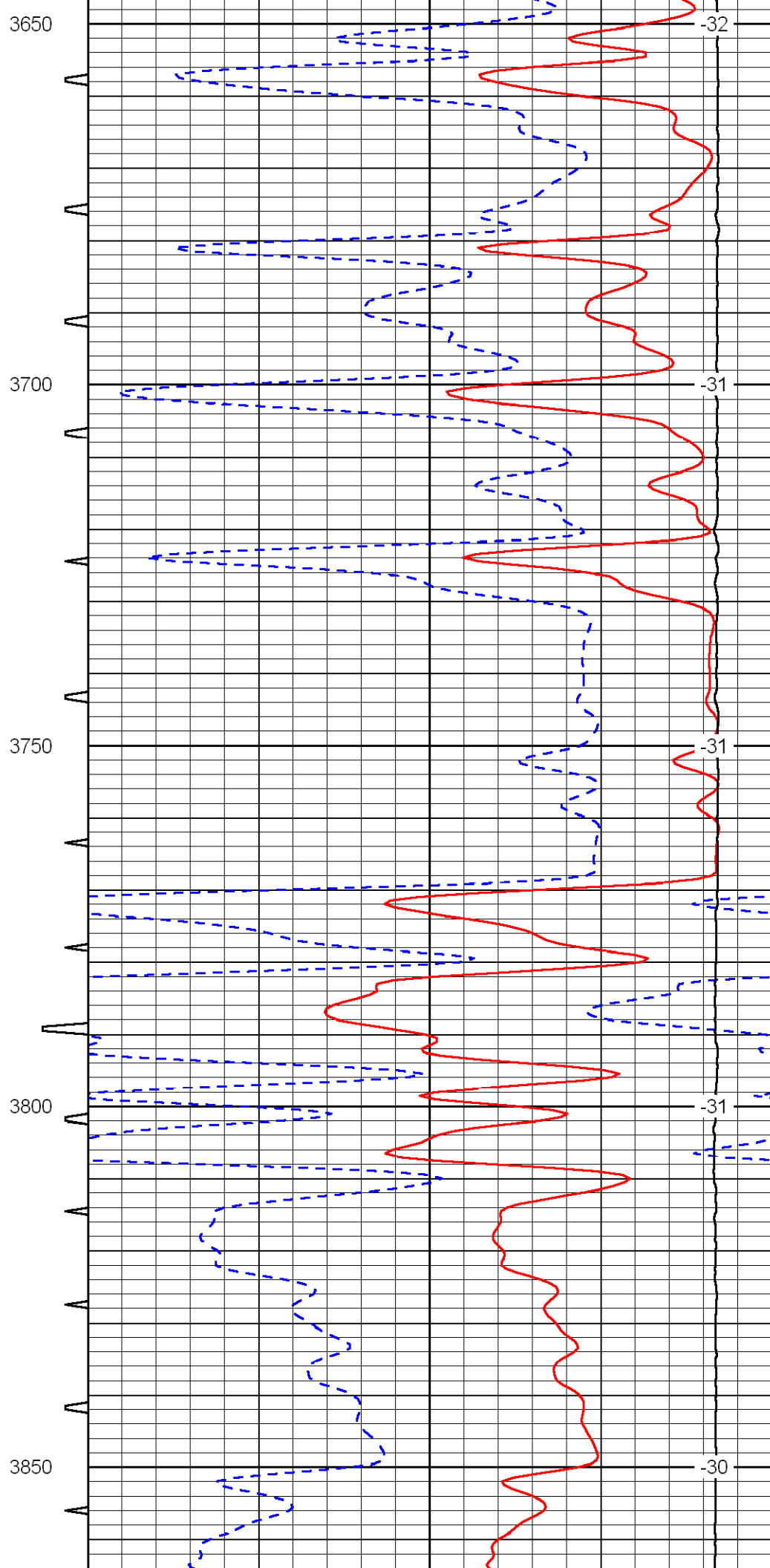
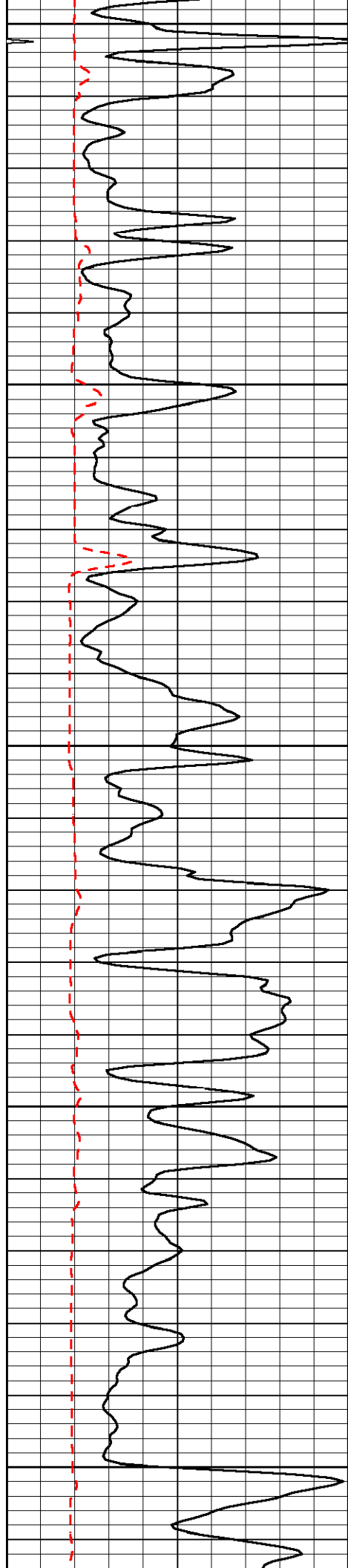


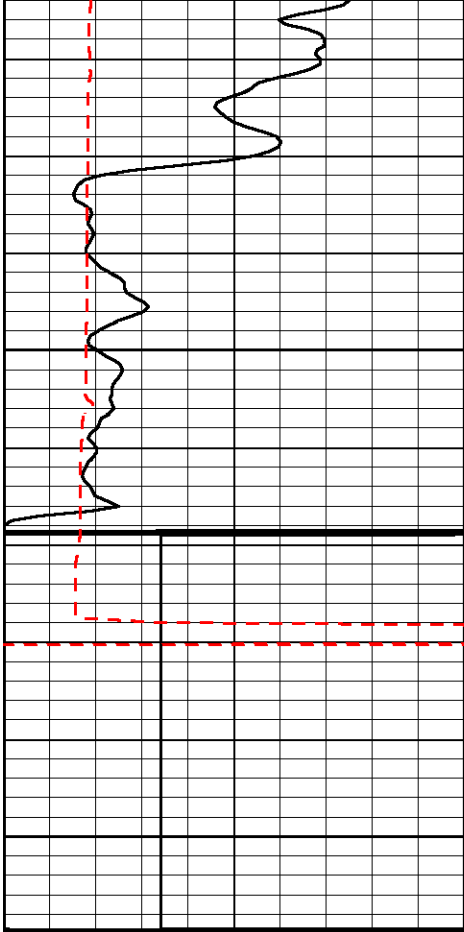




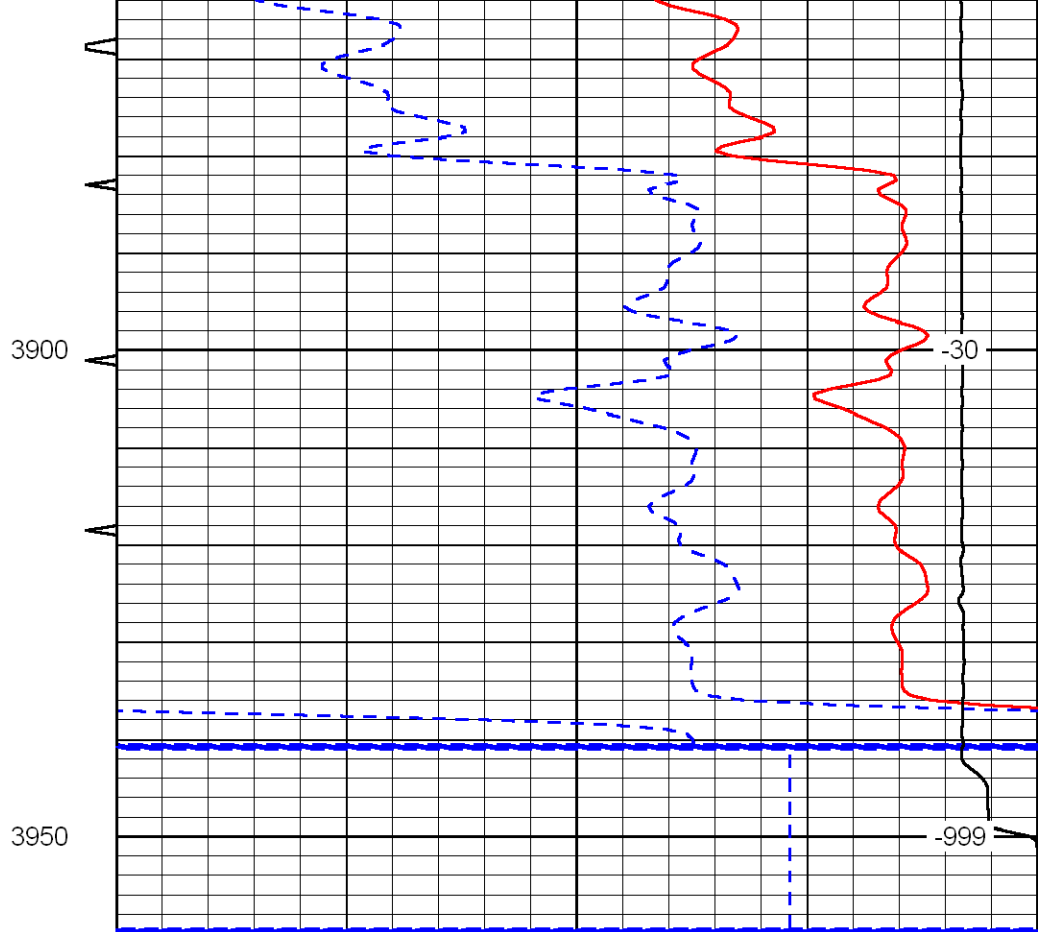








0	Gamma Ray	150
150	Gamma Ray	300
6	Caliper (in)	16



Sonic Int	140	Delta Time (u sec/ft) (u sec/ft)	40
5 (msec) 0	30	SPOR (pu)	-10
	15000	LTEN (lb) (lb)	0

LSPD
(ft/min)