



Pioneer Energy Services

Borehole Compensated Sonic Log

API No.

15-109-21,341-00-00

Company **Black Tea Oil, LLC**

Well **DFK 3 # 1**

Field **Bridges**

County **Logan**

State **Kansas**

Location

**SW-NE-NW-NE
673' FNL & 1769' FEL**

Sec: **11**

Twp: **15S**

Rge: **32W**

Other Services
CNL/CDL
MEL/DIL

Permanent Datum

Ground Level

Elevation **2716**

Log Measured From **Kelly Bushing** 9 Ft. Above Perm. Datum

K.B. **2725**
D.F. **2716**
G.L. **2716**

Date

10/18/2014

Run Number

Two

Type Log

BHC Sonic

Depth Driller

4440

Depth Logger

4473

Bottom Logged Interval

4462

Top Logged Interval

250

Type Fluid In Hole

Chemical

Salinity, PPM CL

3,000

Density

9.1

Level

Full

Max. Rec. Temp. F

120

Operating Rig Time

5 Hours

Equipment -- Location

108 Hays

Recorded By

J. Henrickson

Witnessed By

Richard Thomasson

Borehole Record

Casing Record

Run No

Bit

From

To

Size

Wgt.

From

To

1 12.25 00 274 4440 8.625 24# 00 274

2 7.875 274 4440 8.625 24# 00 274

<<< Fold Here >>>

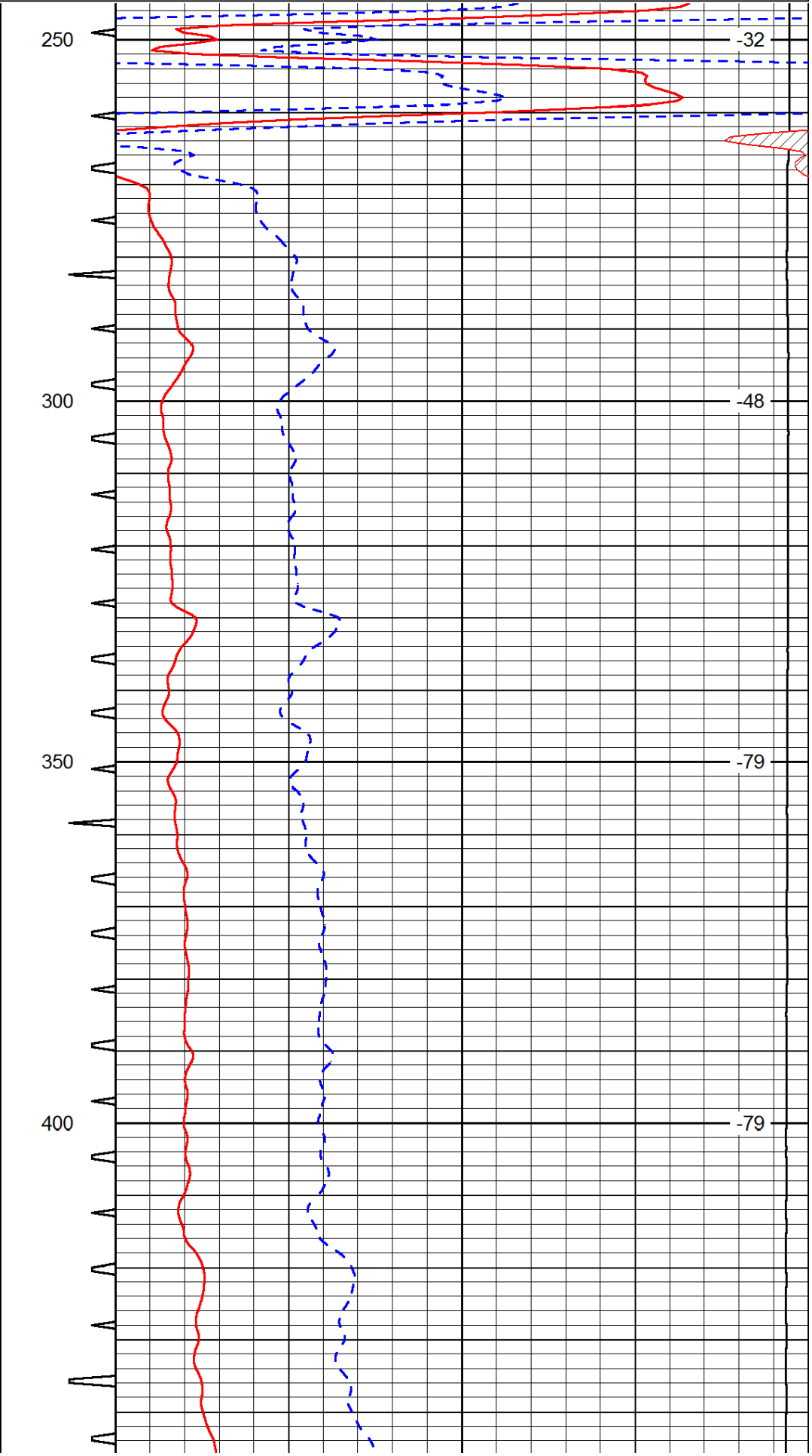
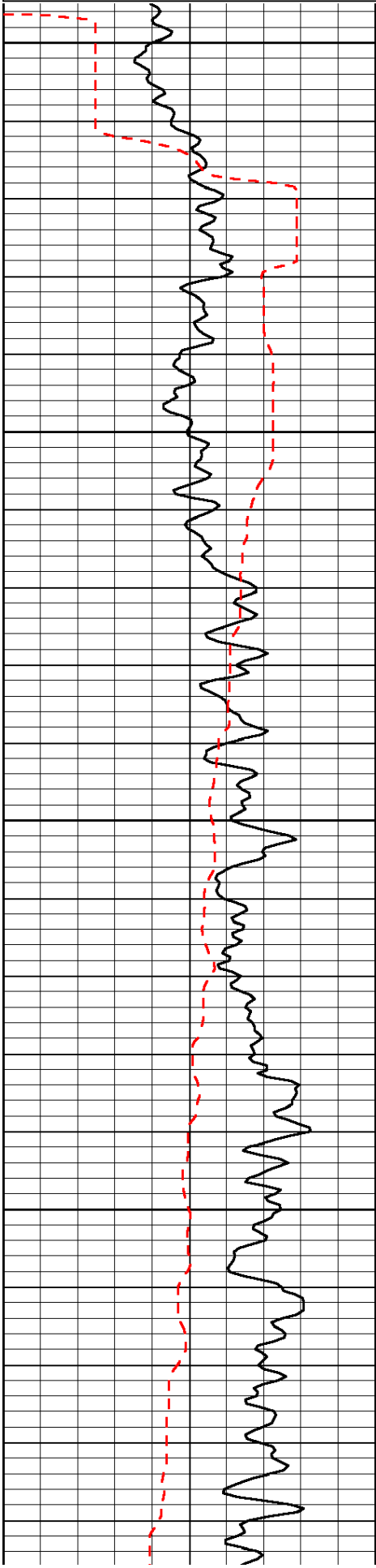
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

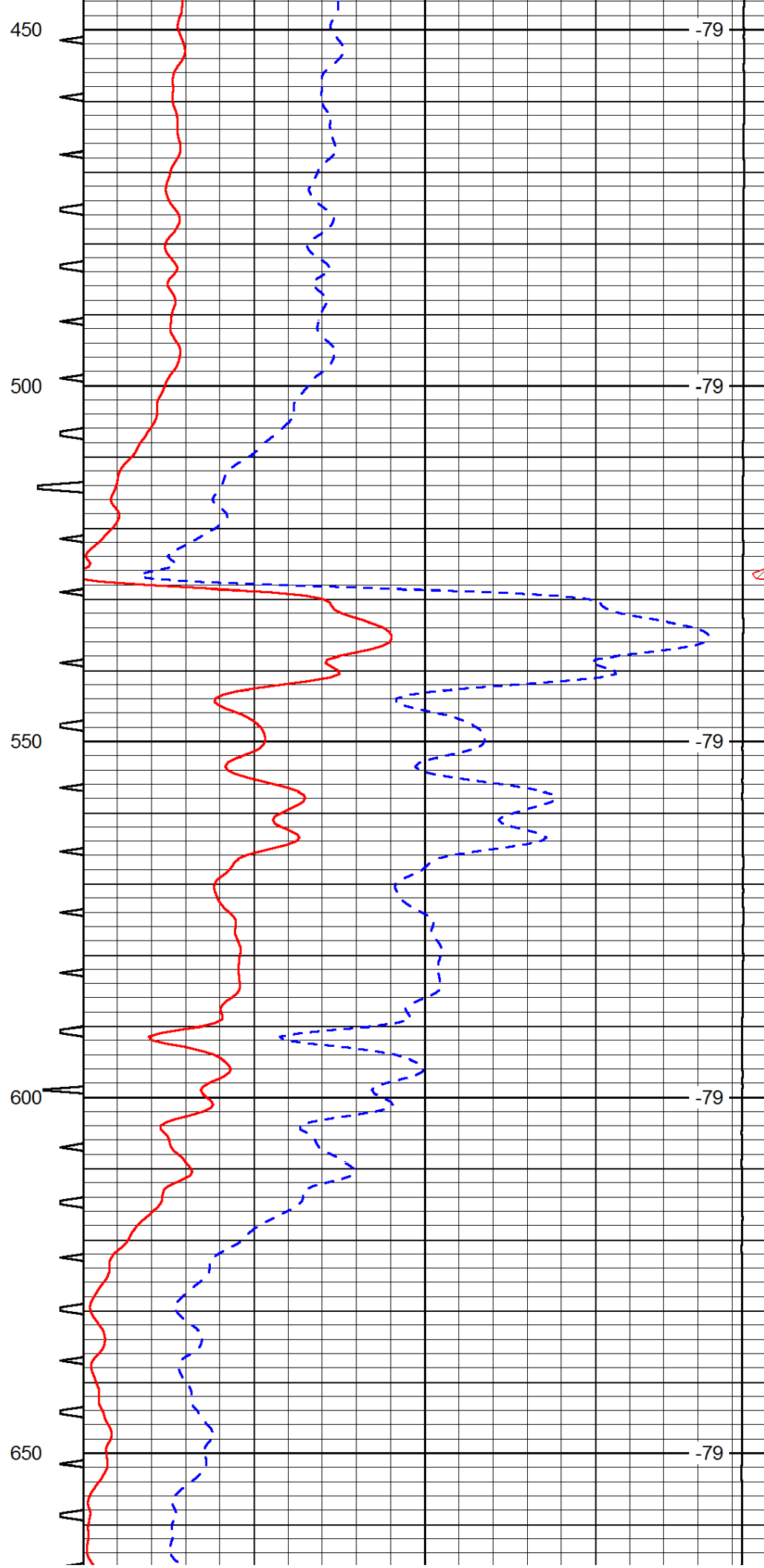
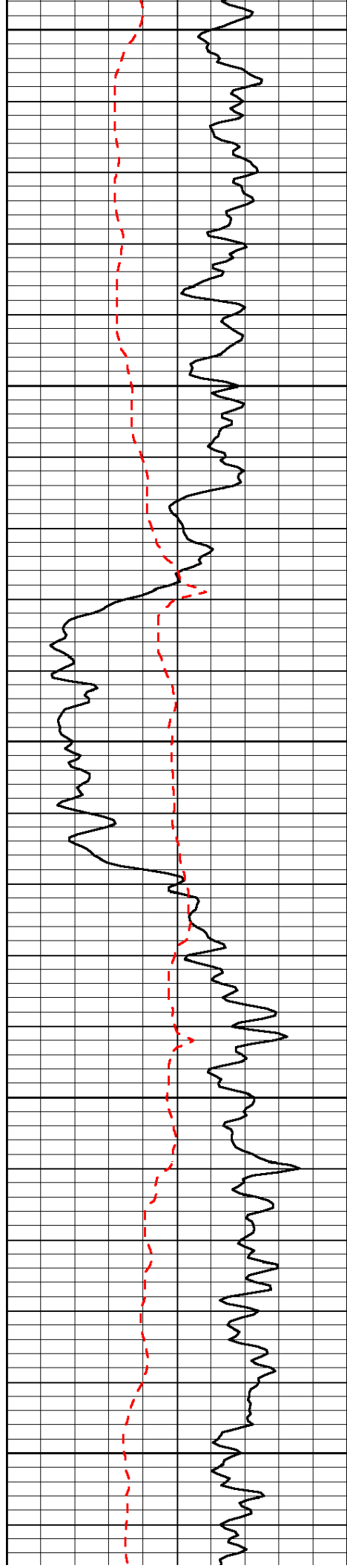
Comments

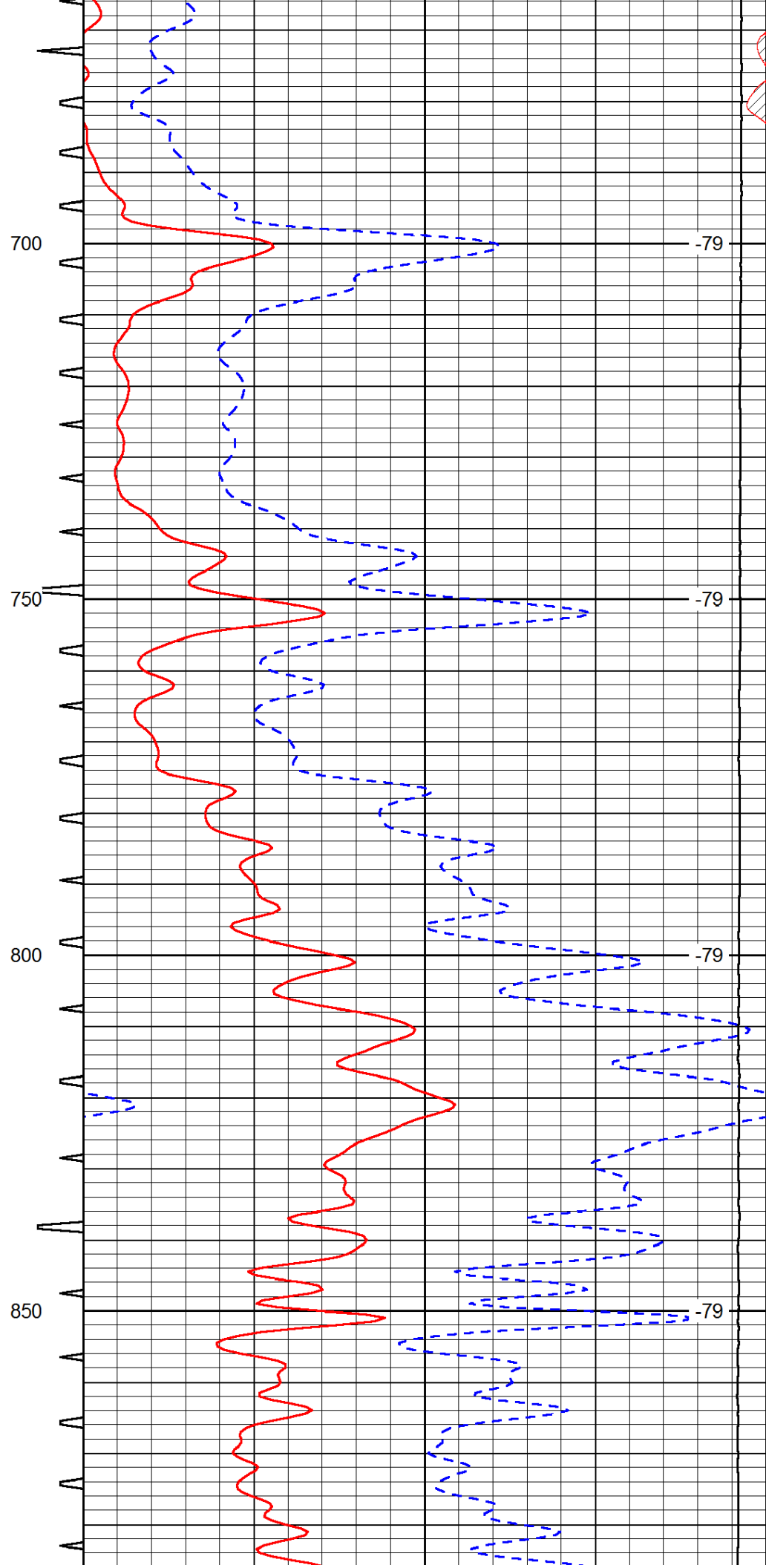
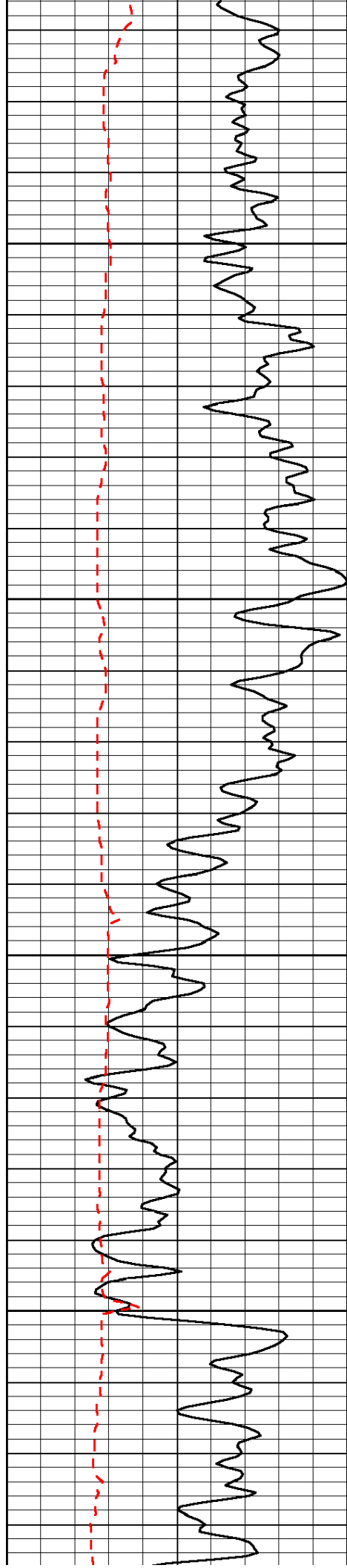
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Oakley Kansas
23 South to Gold Rd, East Into(Then South to Rig on Road)

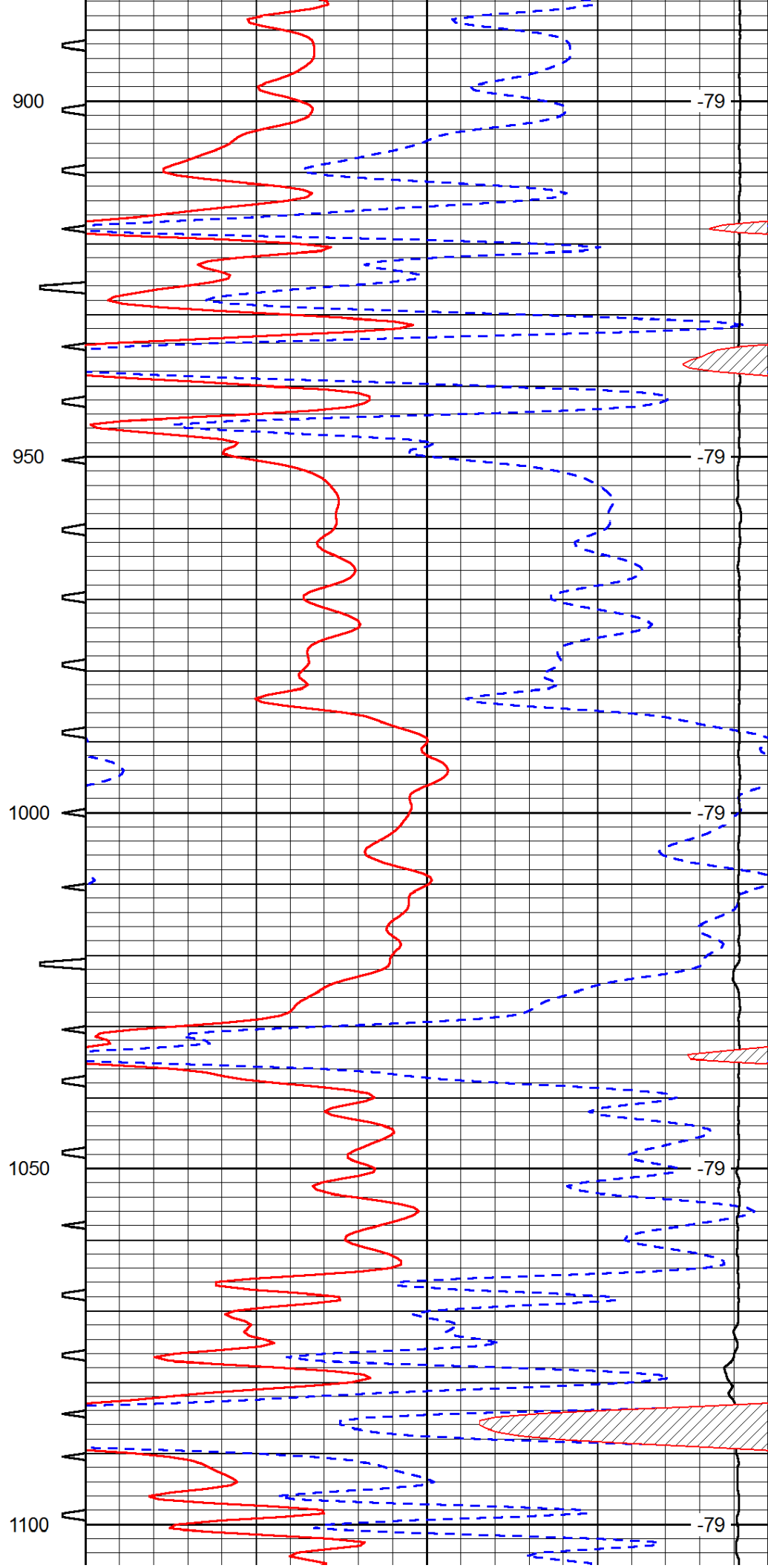
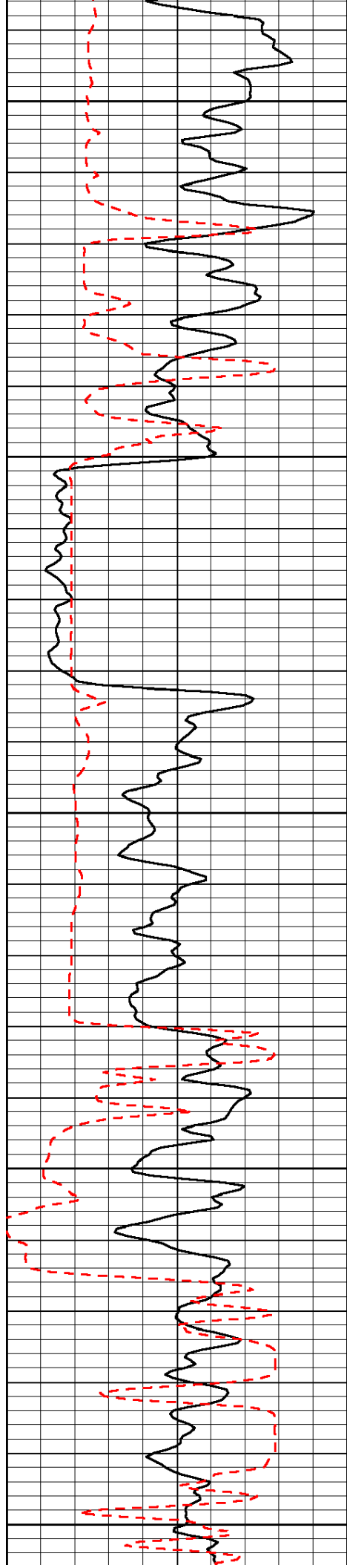
Database File: c:\warrior\data\black tea_dfk 3 #1\black_tea_dfk_3_1hd.db
Dataset Pathname: DIL/btstk
Presentation Format: sonic
Dataset Creation: Sat Oct 18 15:26:09 2014
Charted by: Depth in Feet scaled 1:240

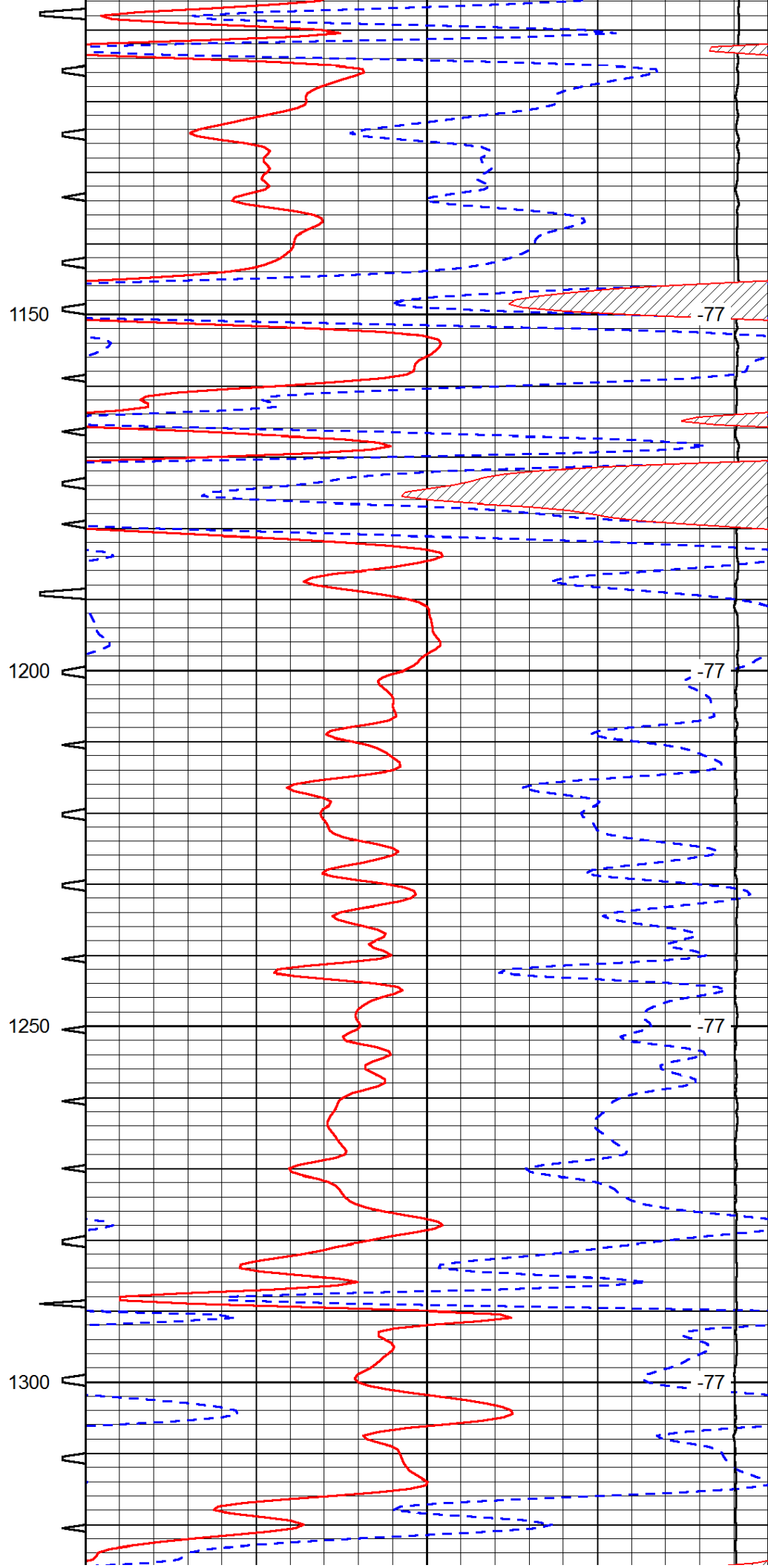
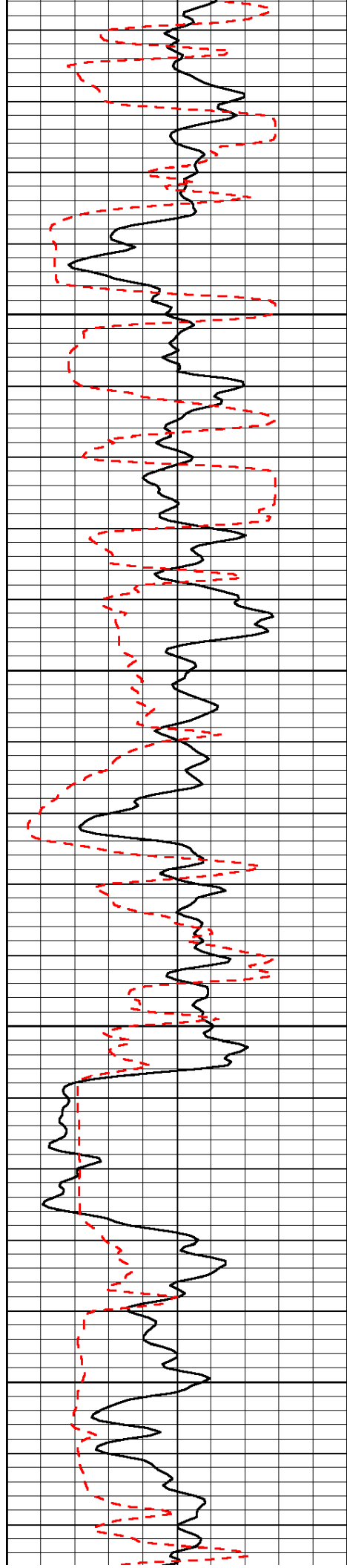
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40
150	Gamma Ray	300	5	0	SPOR	-10
6	Caliper (GAPI)	16		15000	LTEN (lb)	0
						LSPD

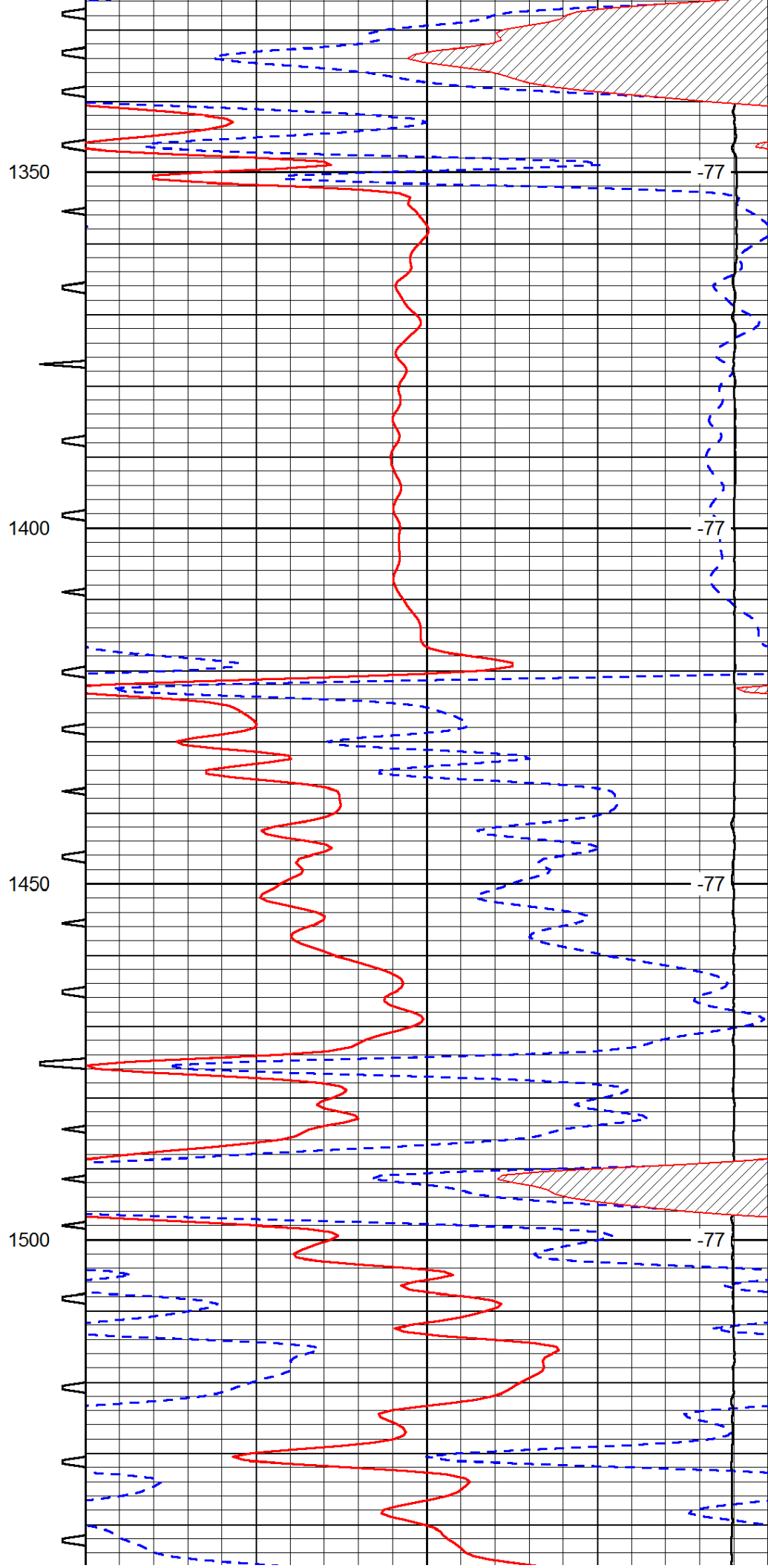
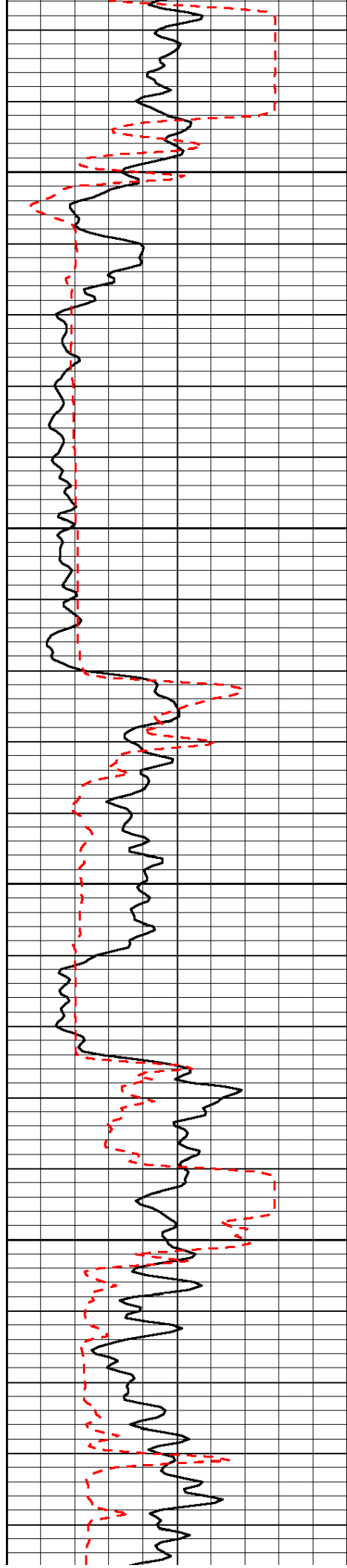


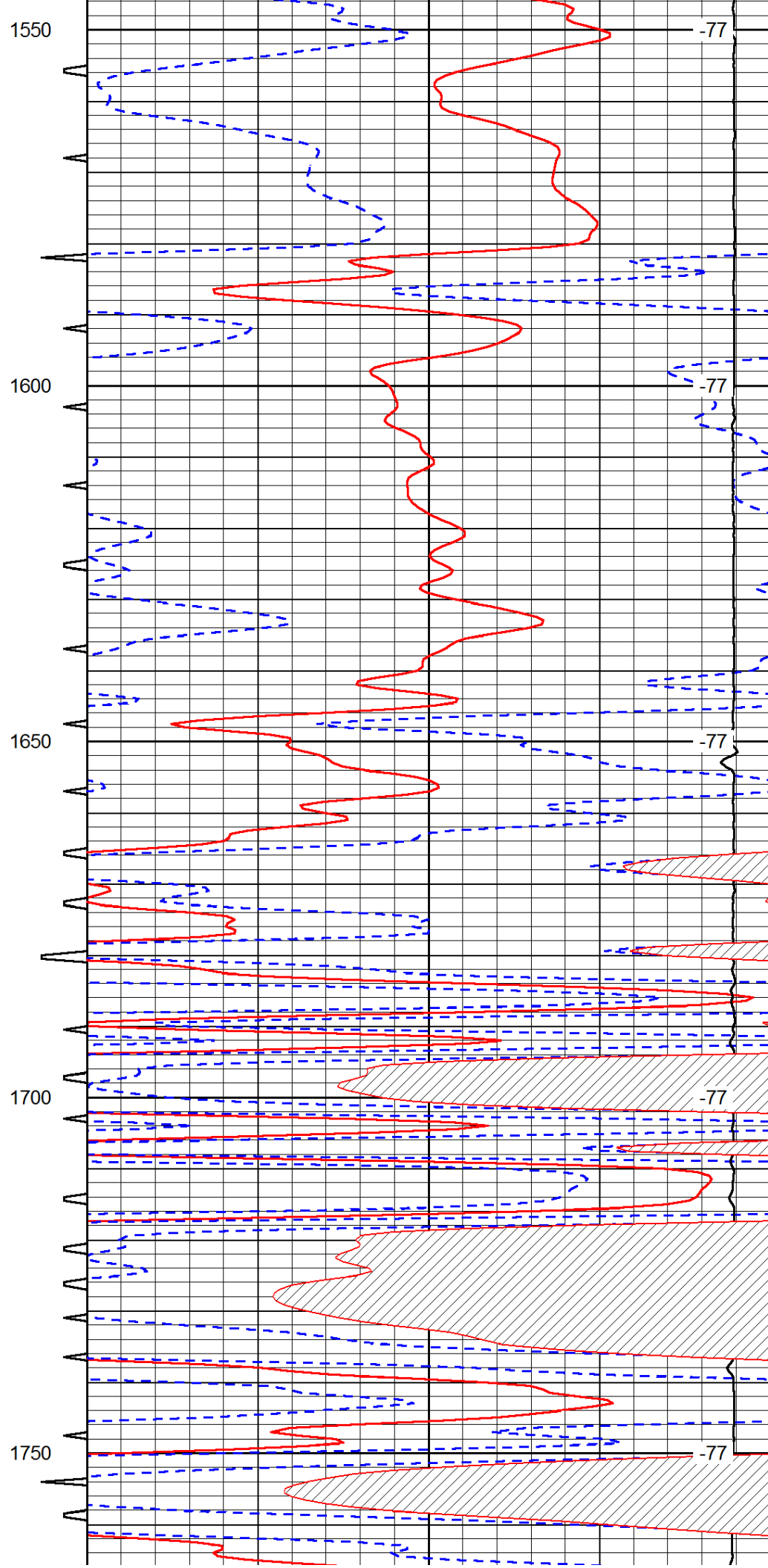
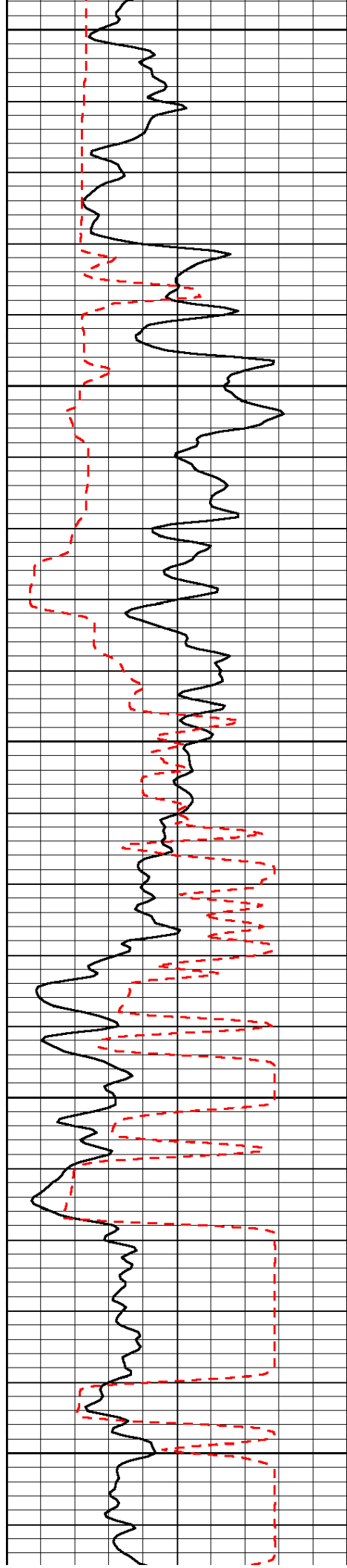


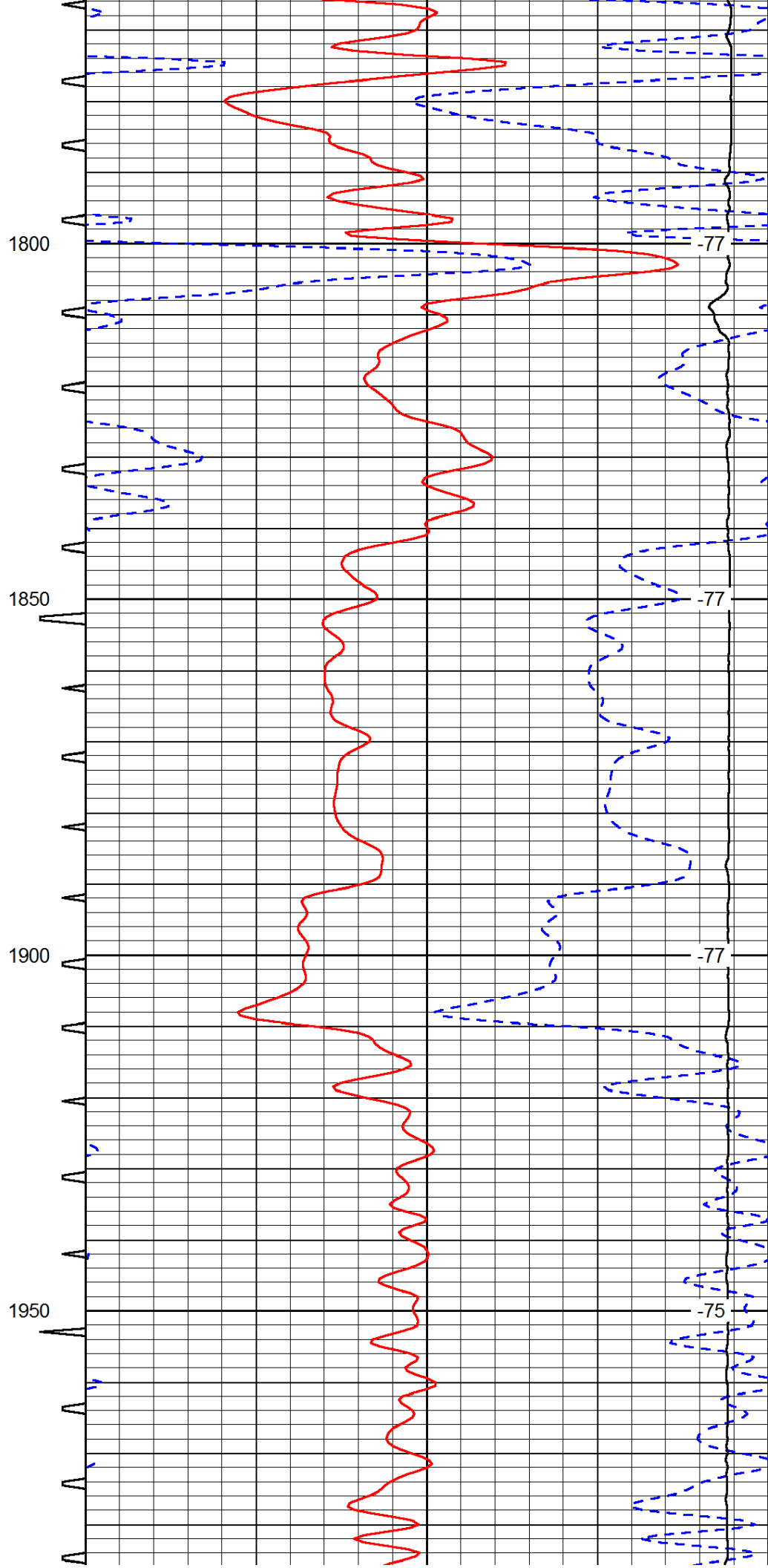
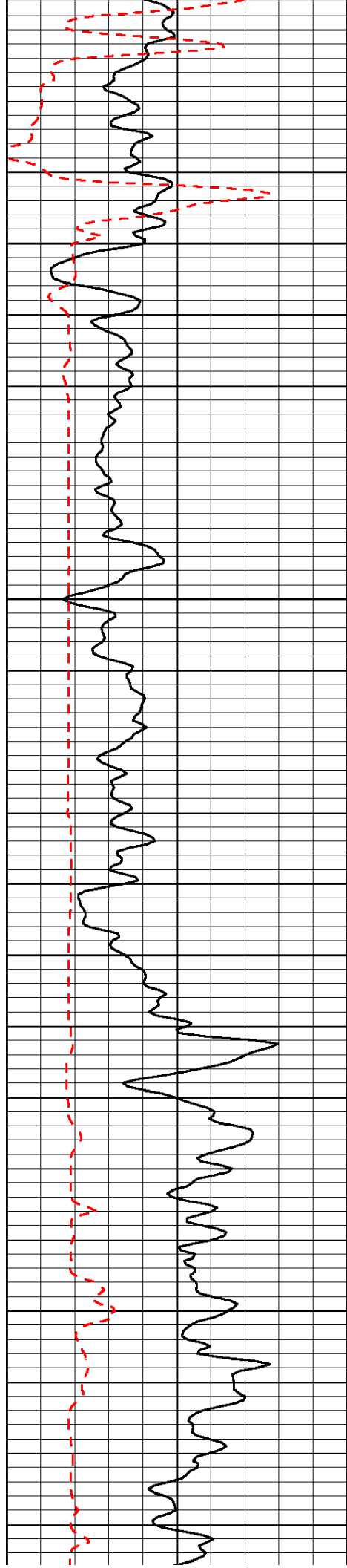


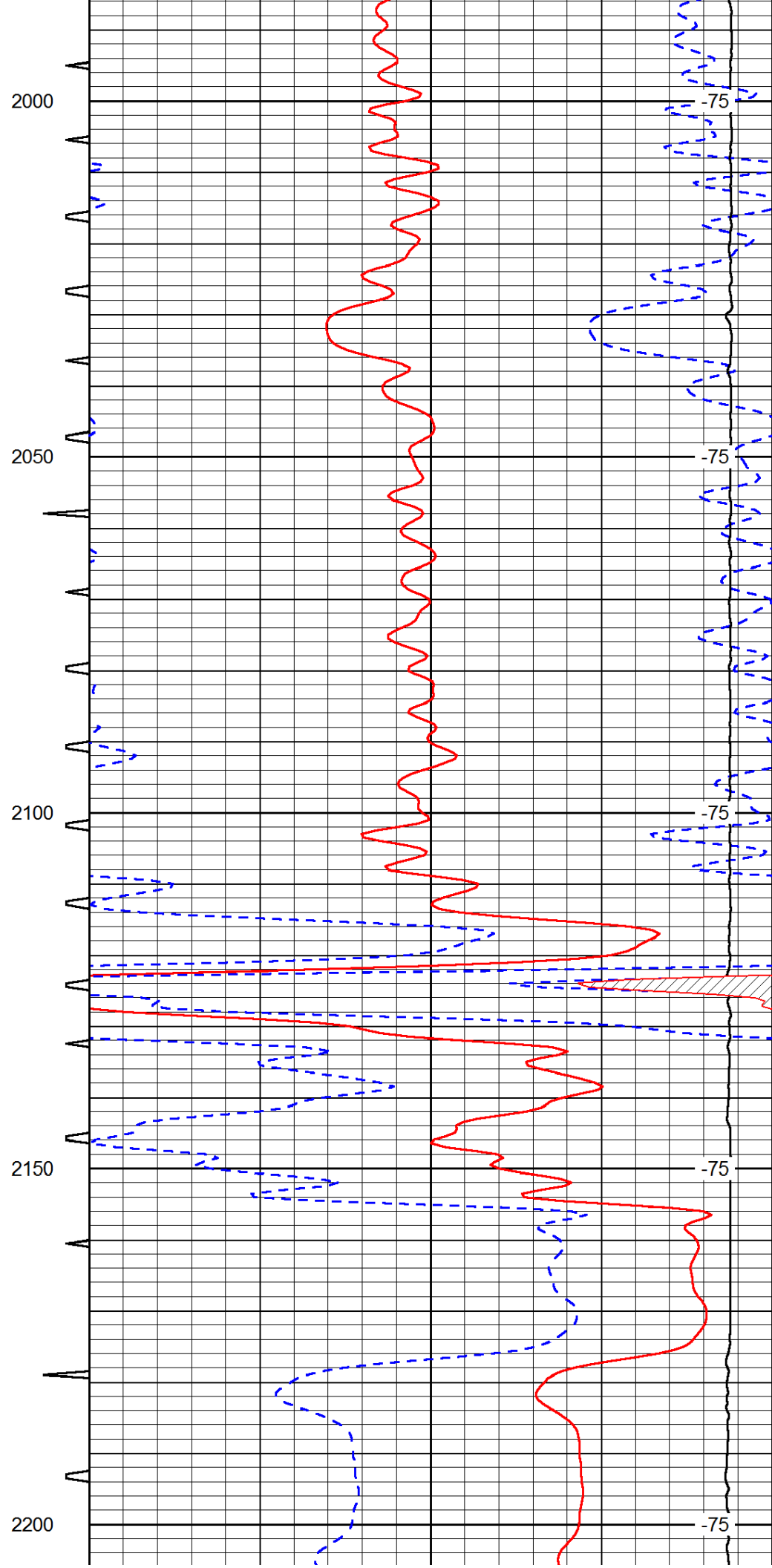
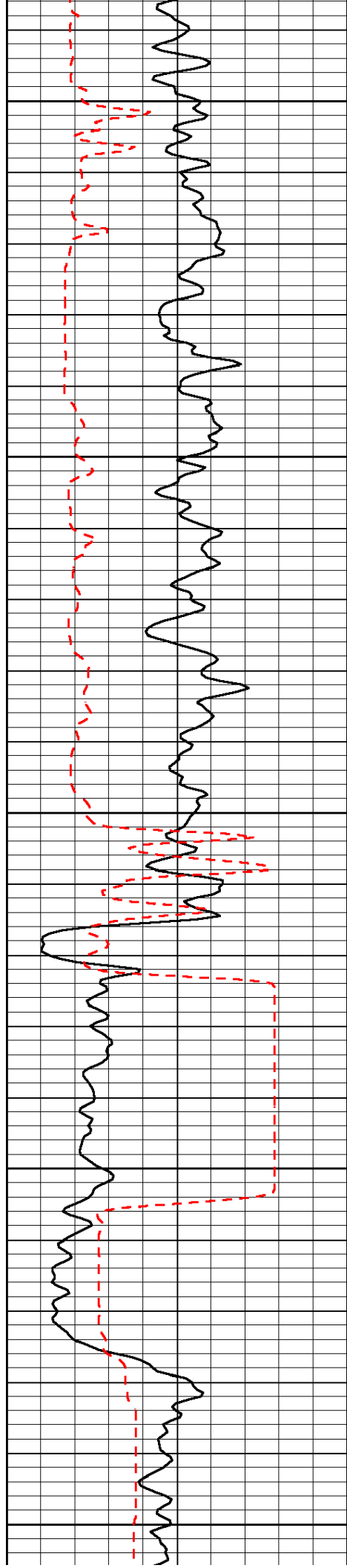


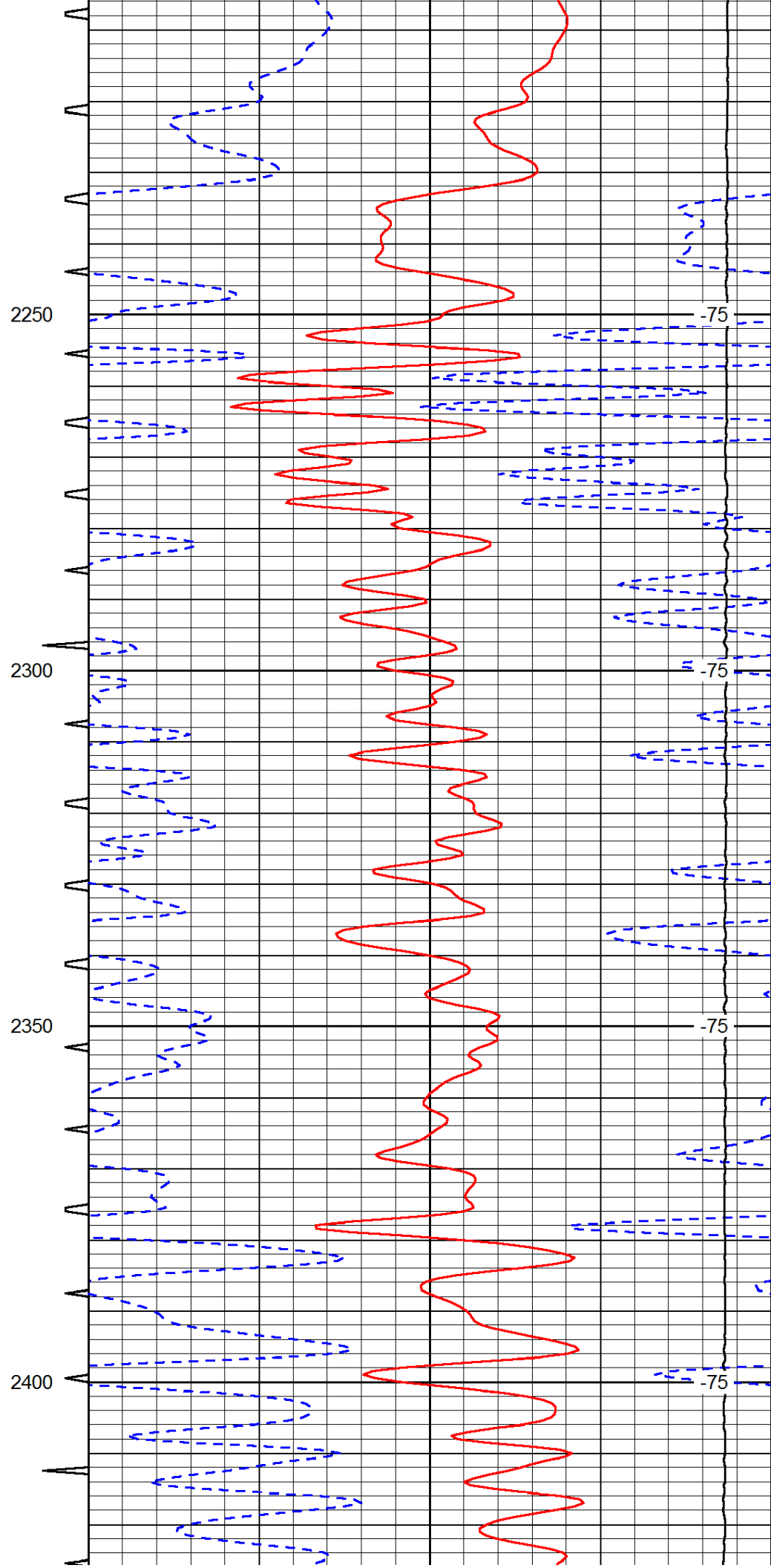
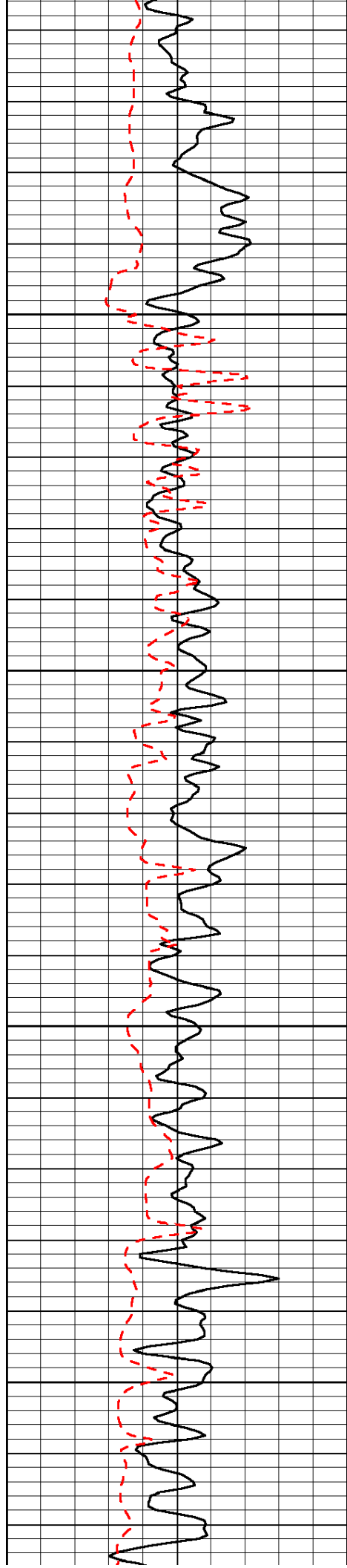


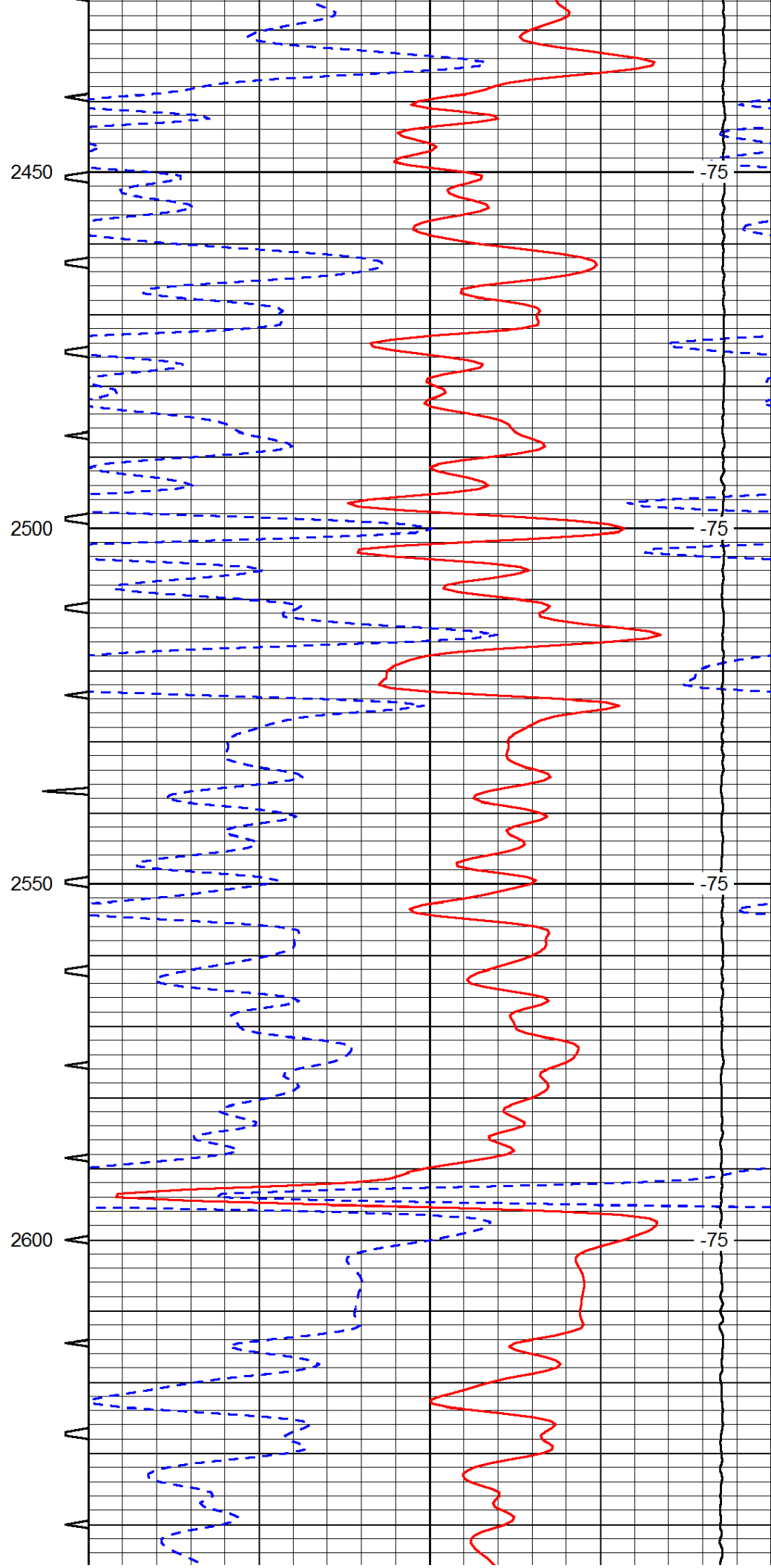
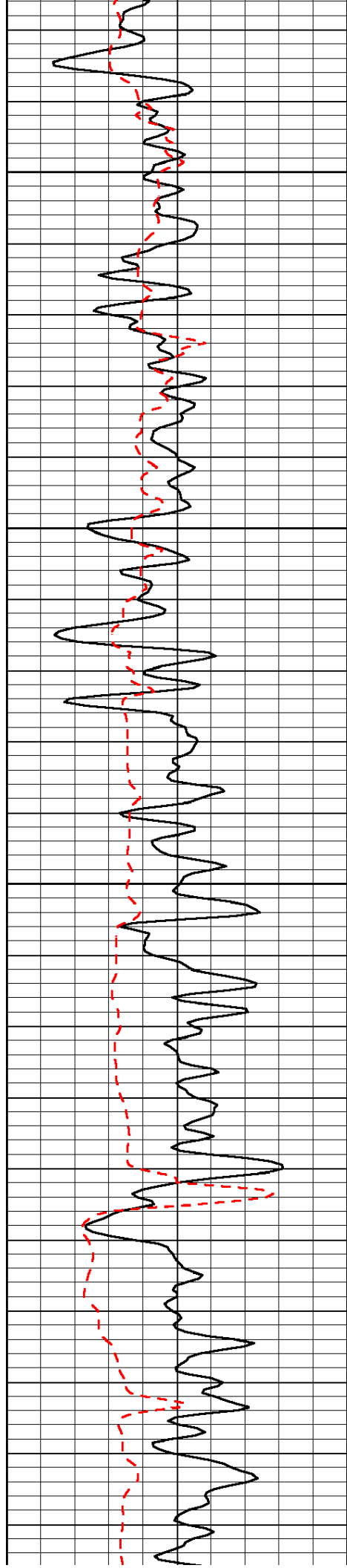


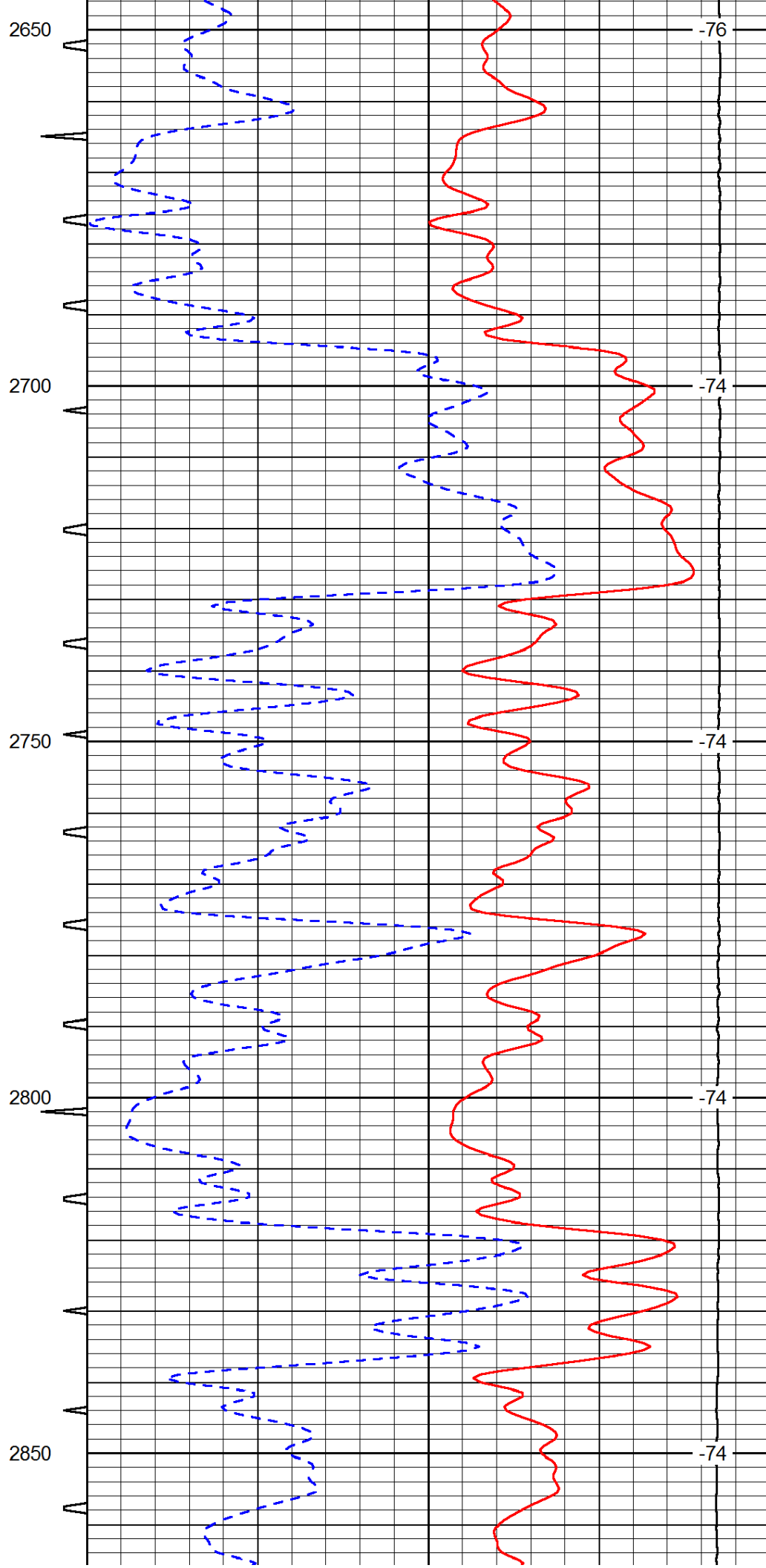
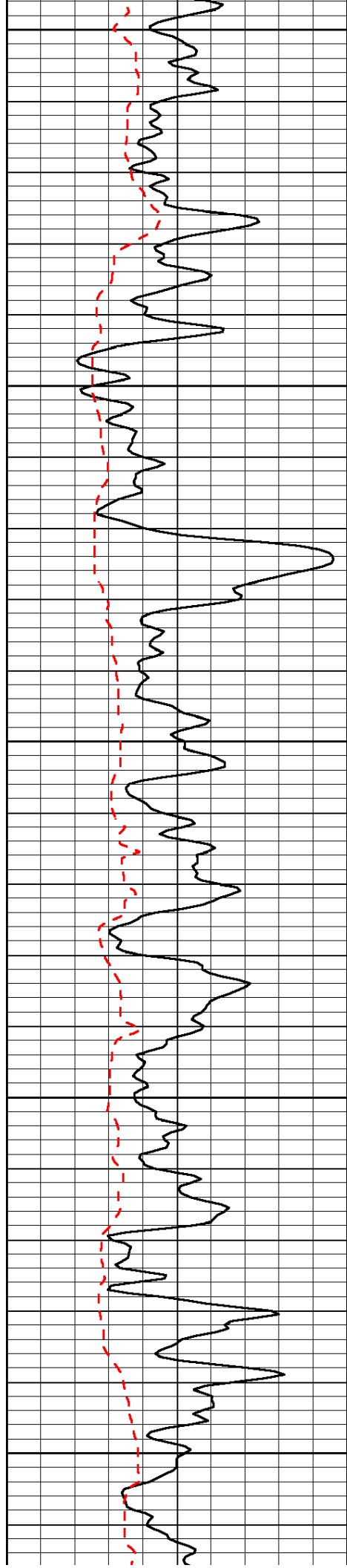


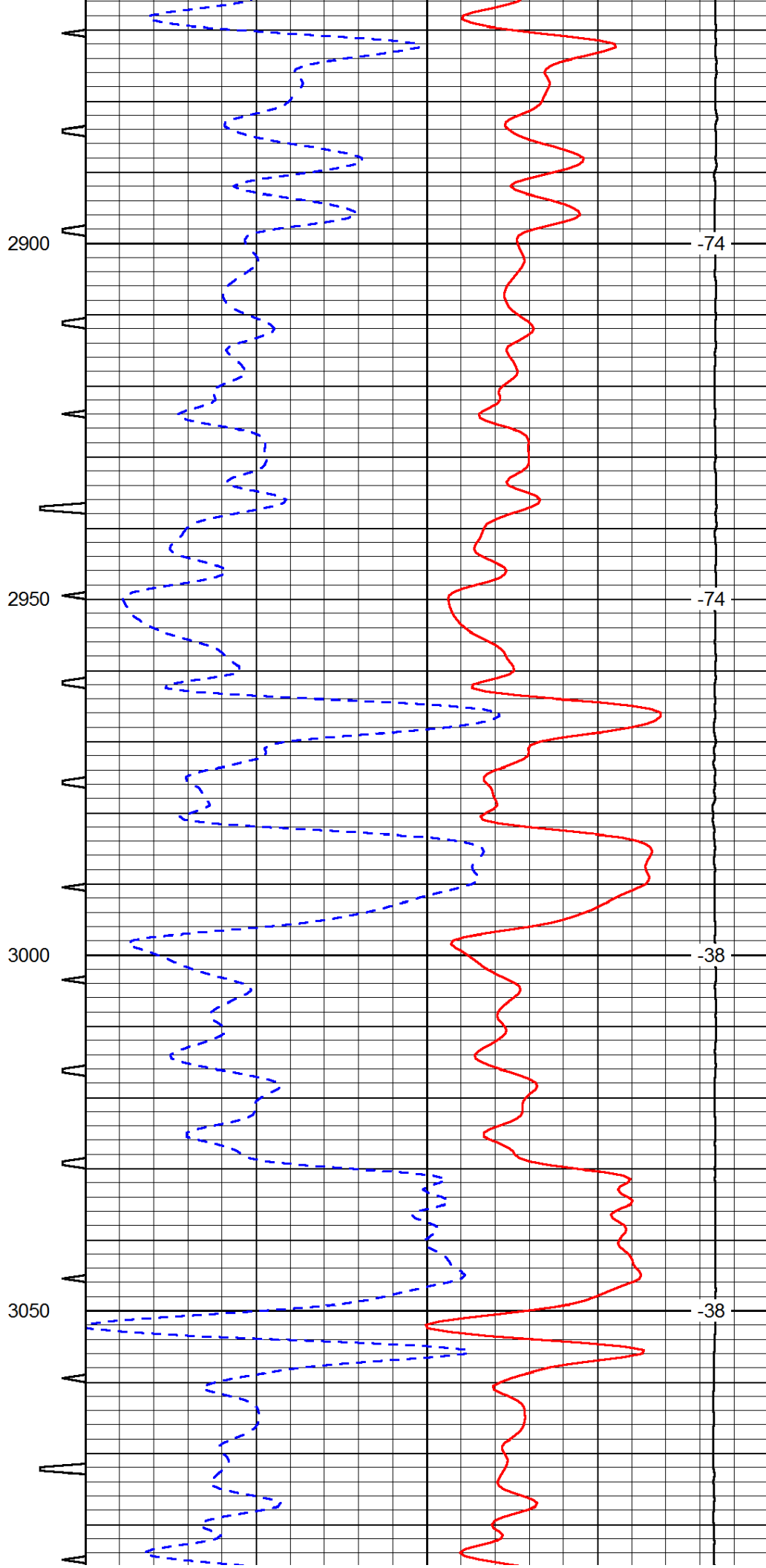
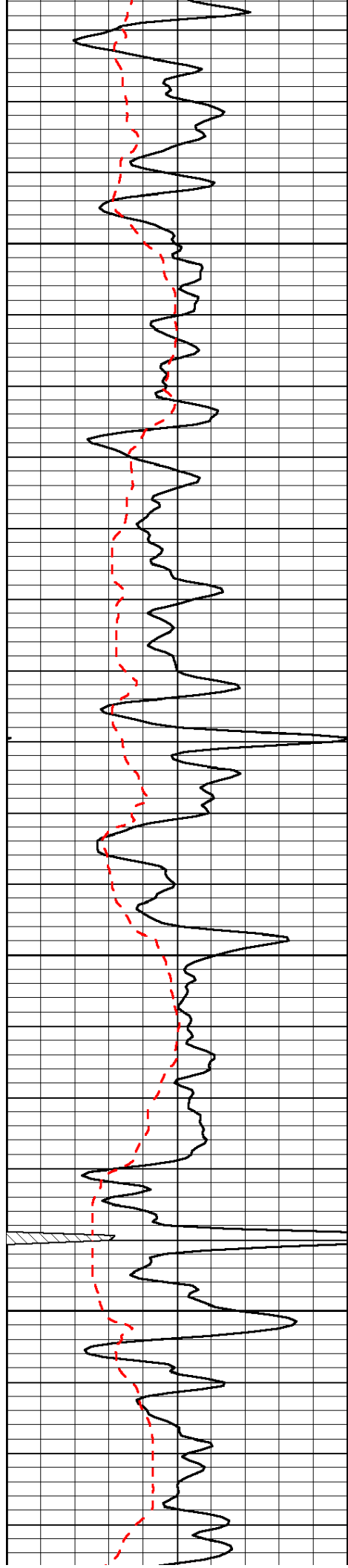


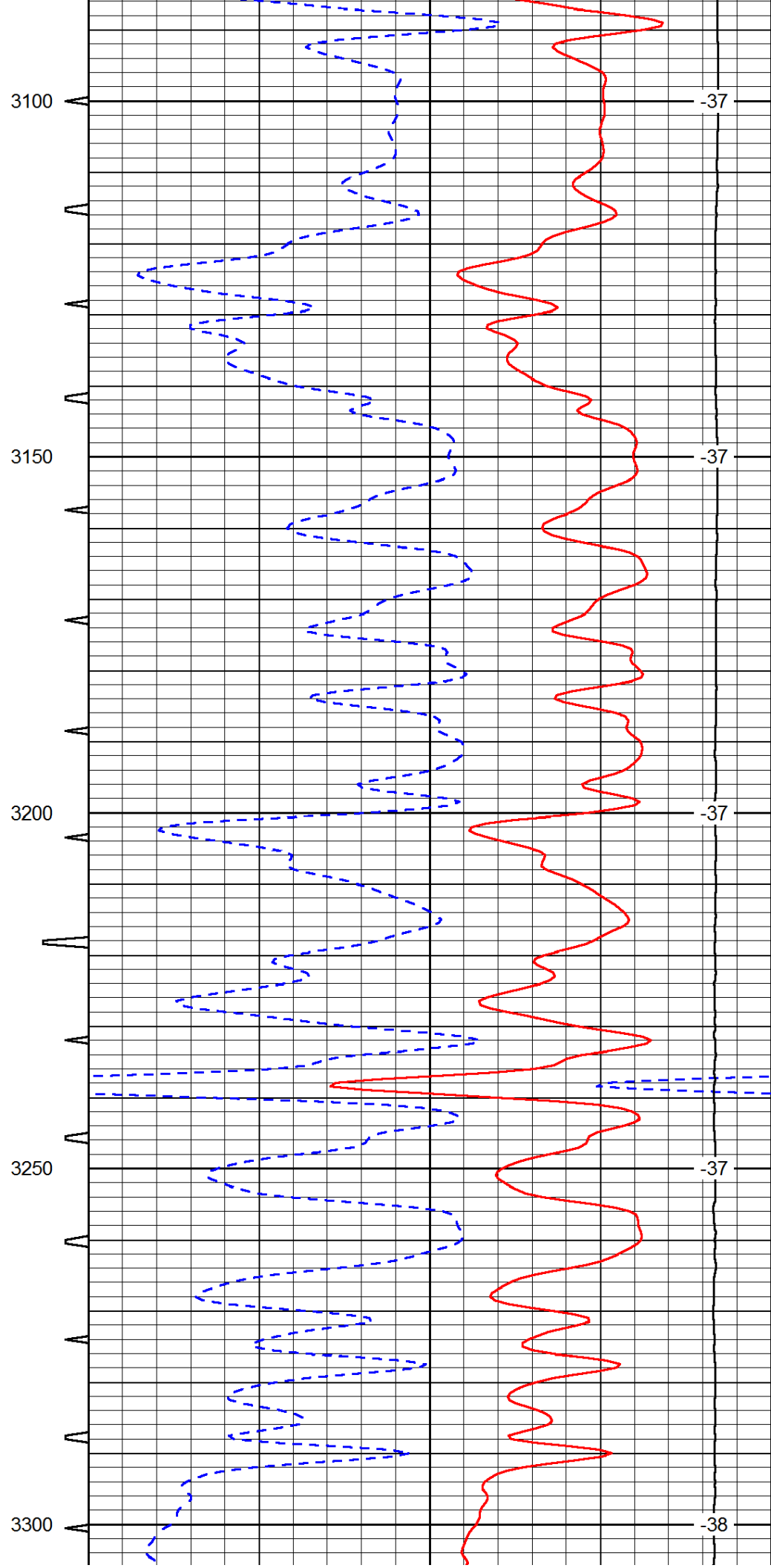
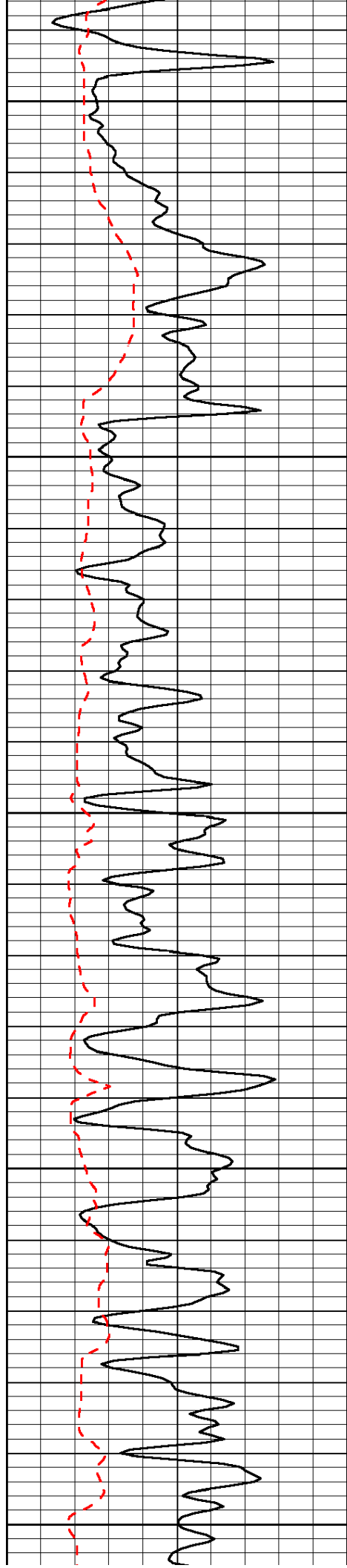


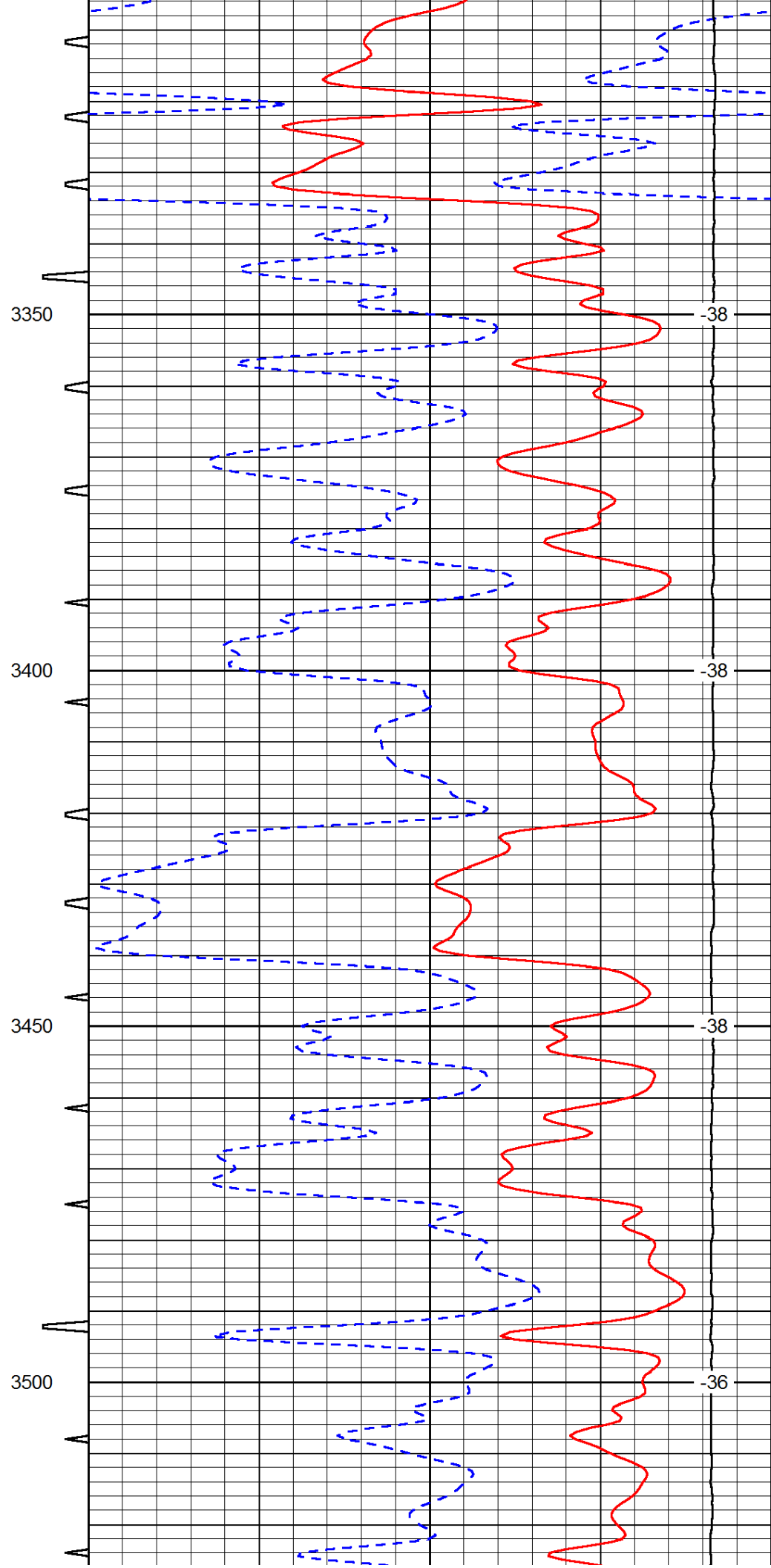
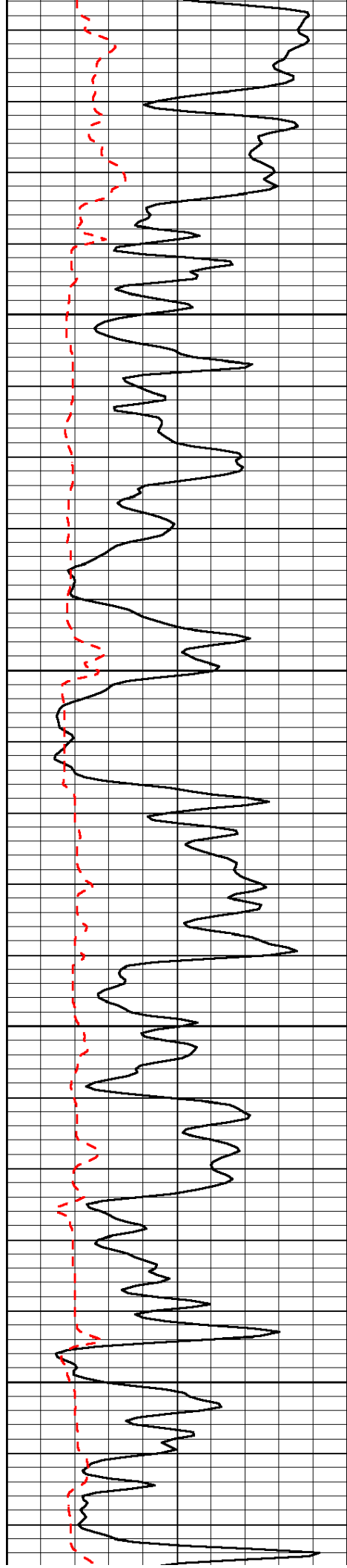


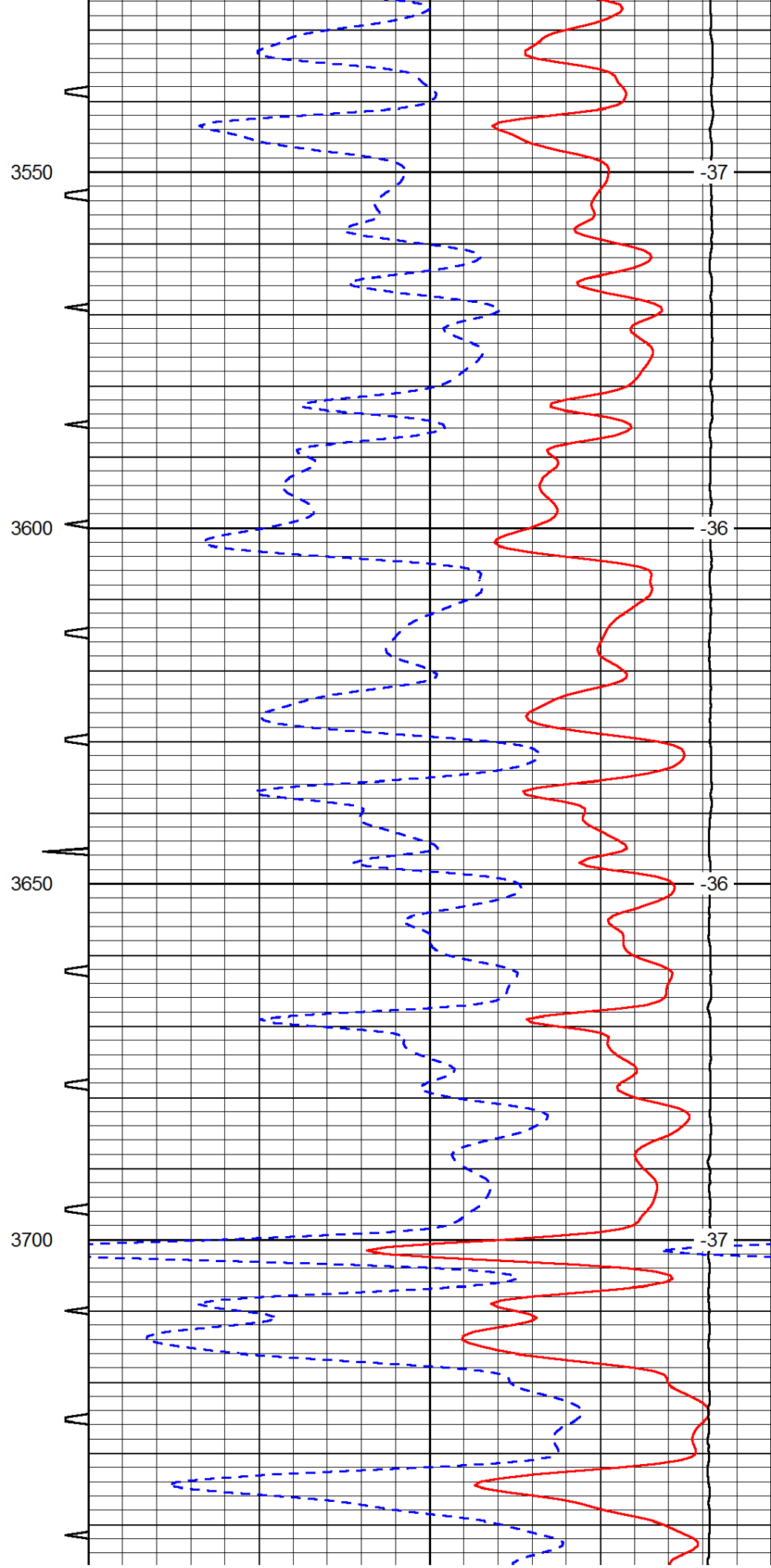
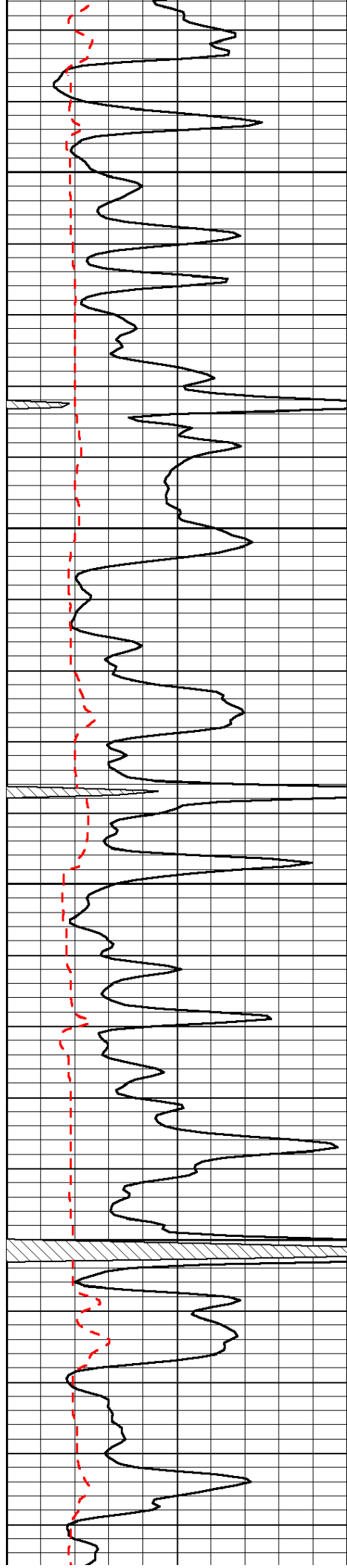


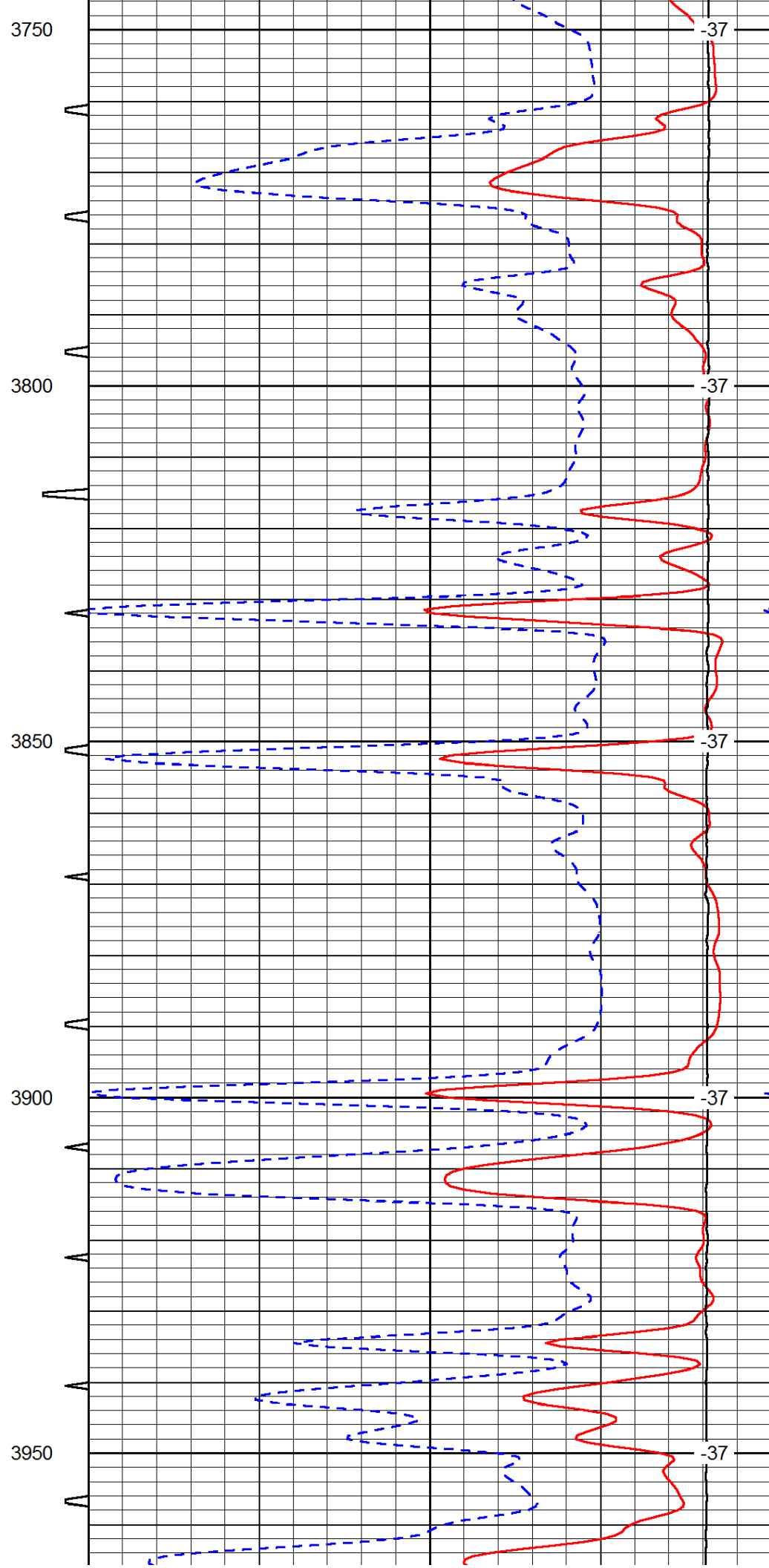
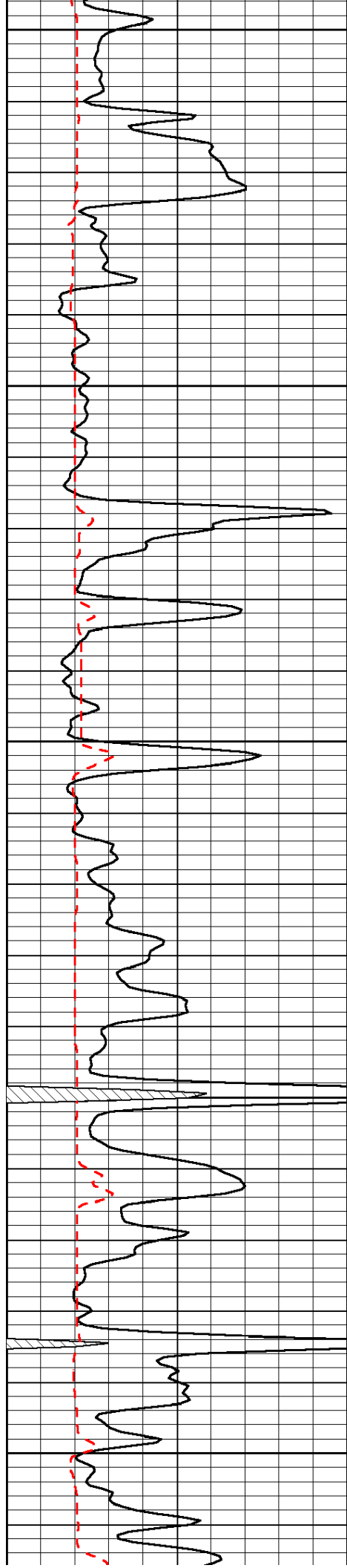


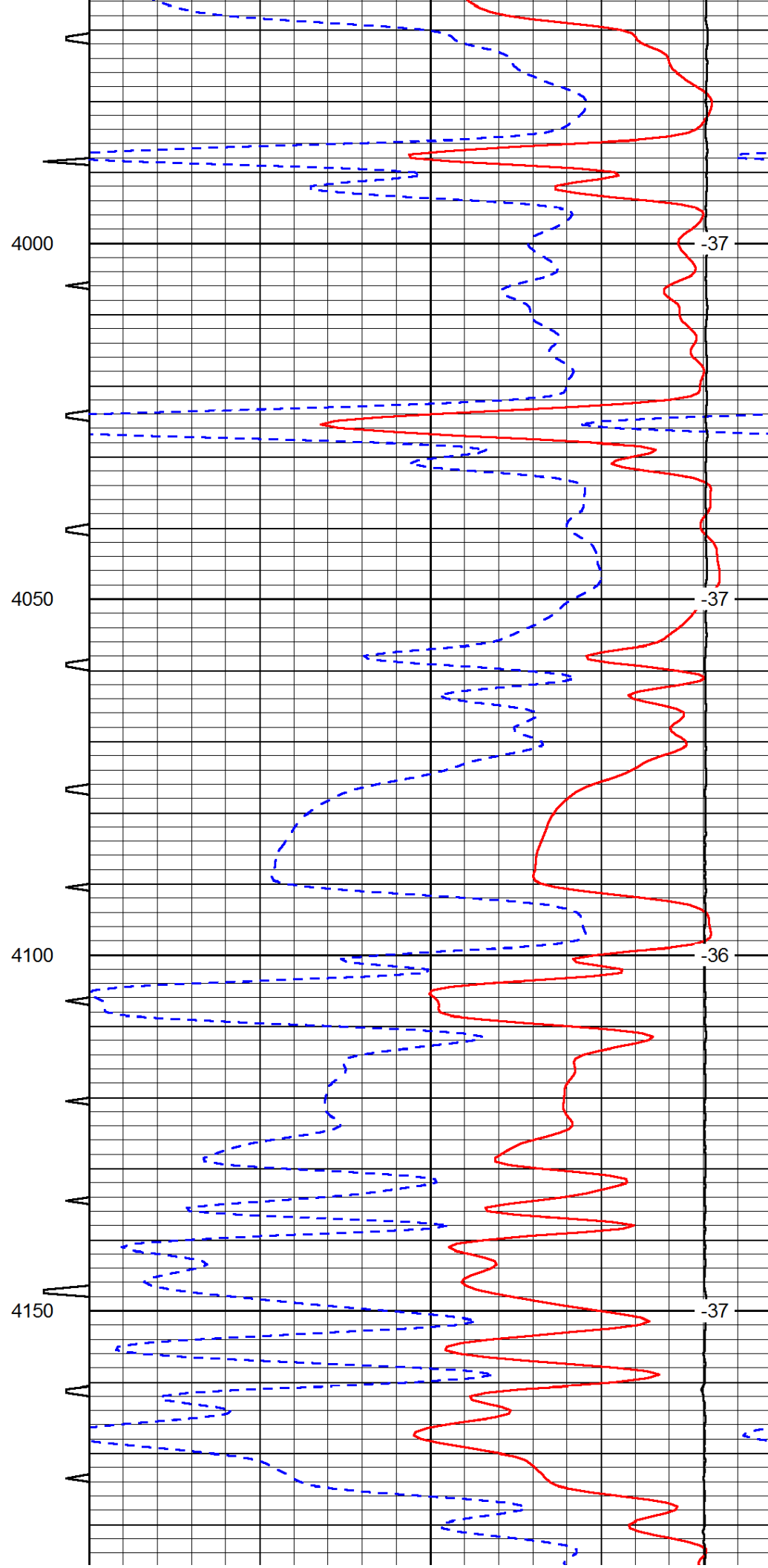
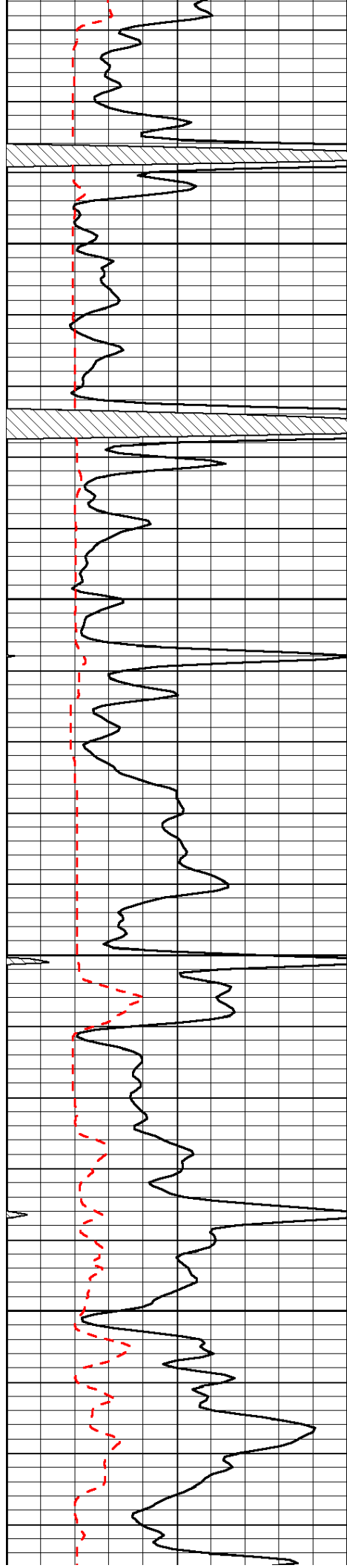


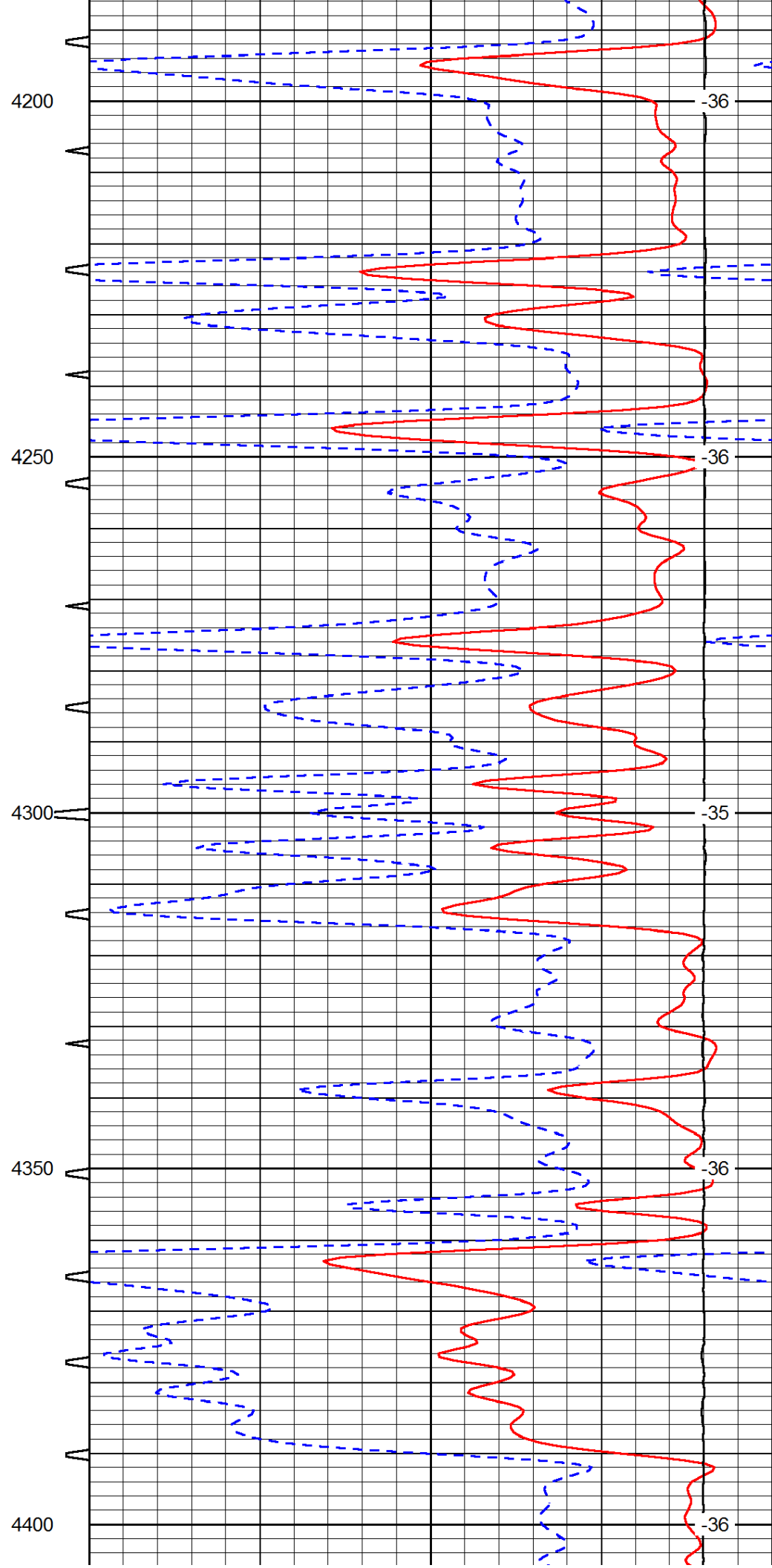
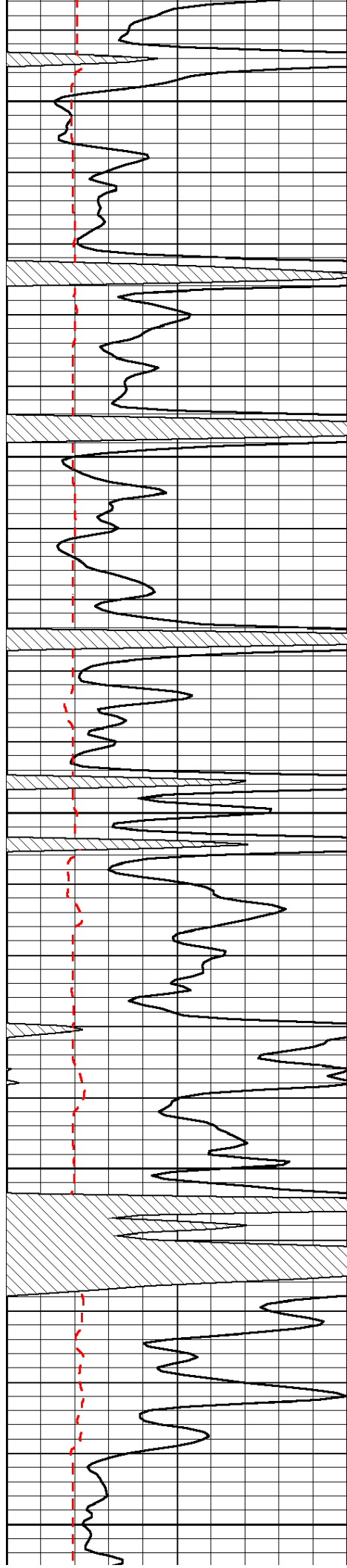






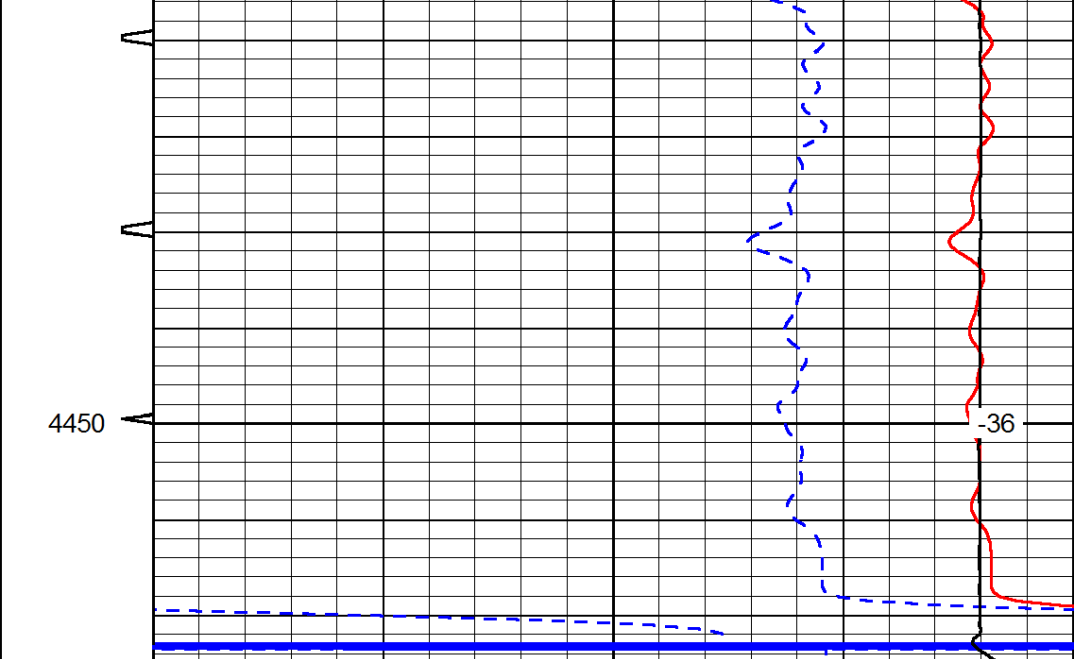








0	Gamma Ray	150
150	Gamma Ray	300
6	Caliper (GAPI)	16



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

LSPD