



Pioneer Energy Services

Borehole Compensated Sonic Log

15-171-21079-00-00

API No.

Company **Landmark Resources, Inc.**
Well **Sleeping Indian #1-11**
Field **Capstone South**
County **Scott** State **Kansas**

Location

1009' FNL & 1777' FEL

Sec: 11

Twp: 17S

Rge: 34W

Other Services
DIL
CNL/CDL

Permanent Datum

Ground Level
Log Measured From Kelly Bushing

Elevation 3105
11 Ft. Above Perm. Datum

Elevation

Drilling Measured From Kelly Bushing

K.B. 3116
D.F.
G.L. 3105

Date

7/26/2014

Run Number

Two

Type Log

BHC Sonic

Depth Driller

4880

Depth Logger

4880

Bottom Logged Interval

4869

Top Logged Interval

200

Type Fluid In Hole

Chemical

Salinity, PPM CL

5000

Density

9.3

Level

Full

Max. Rec. Temp. F

127

Operating Rig Time

5 Hours

Equipment -- Location

91 Hays

Recorded By

D. Schmidt

Witnessed By

Terry McLeod

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

1 12.25

00

249

8.625

24#

00

249

2 7.875

249

4880

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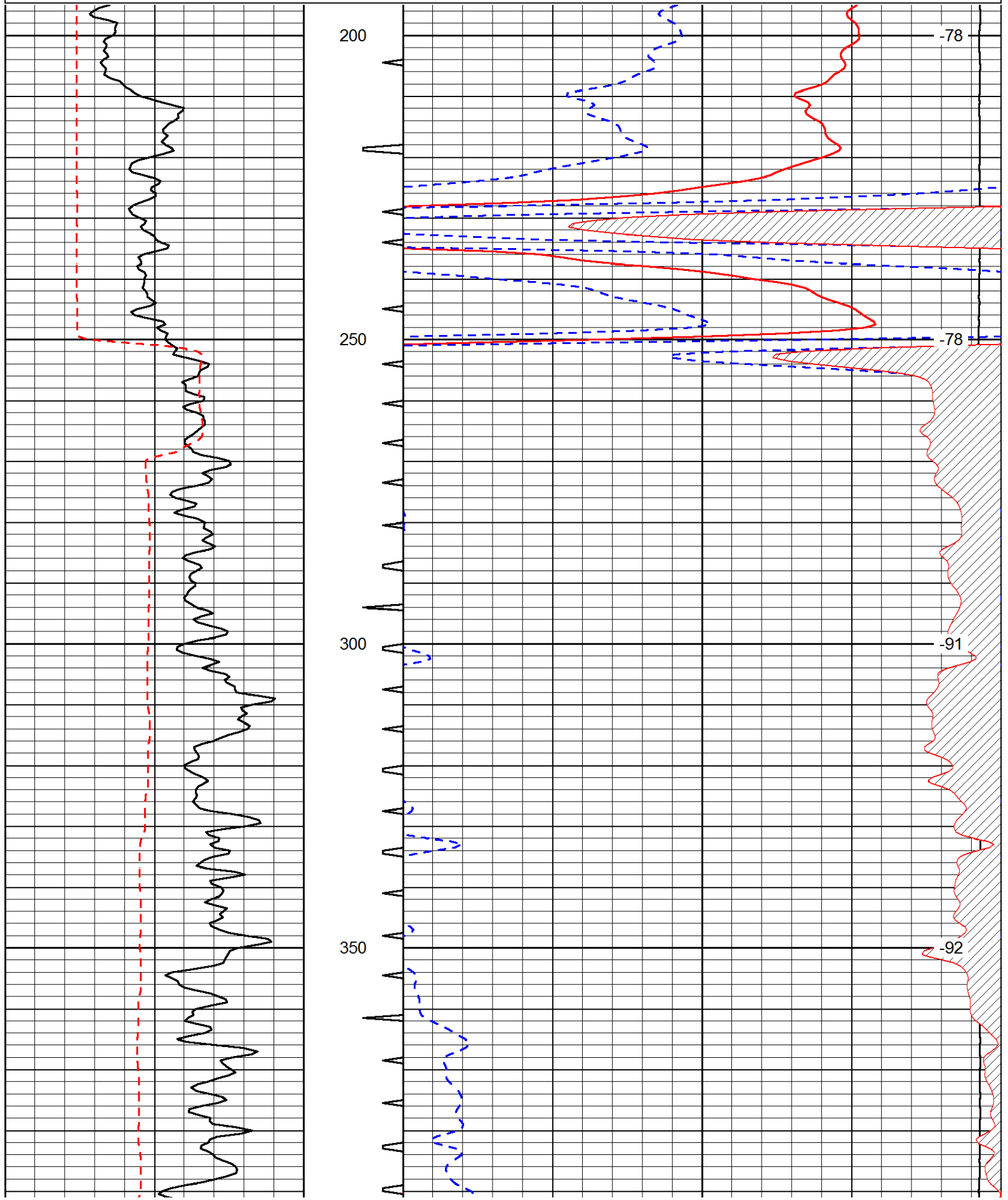
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

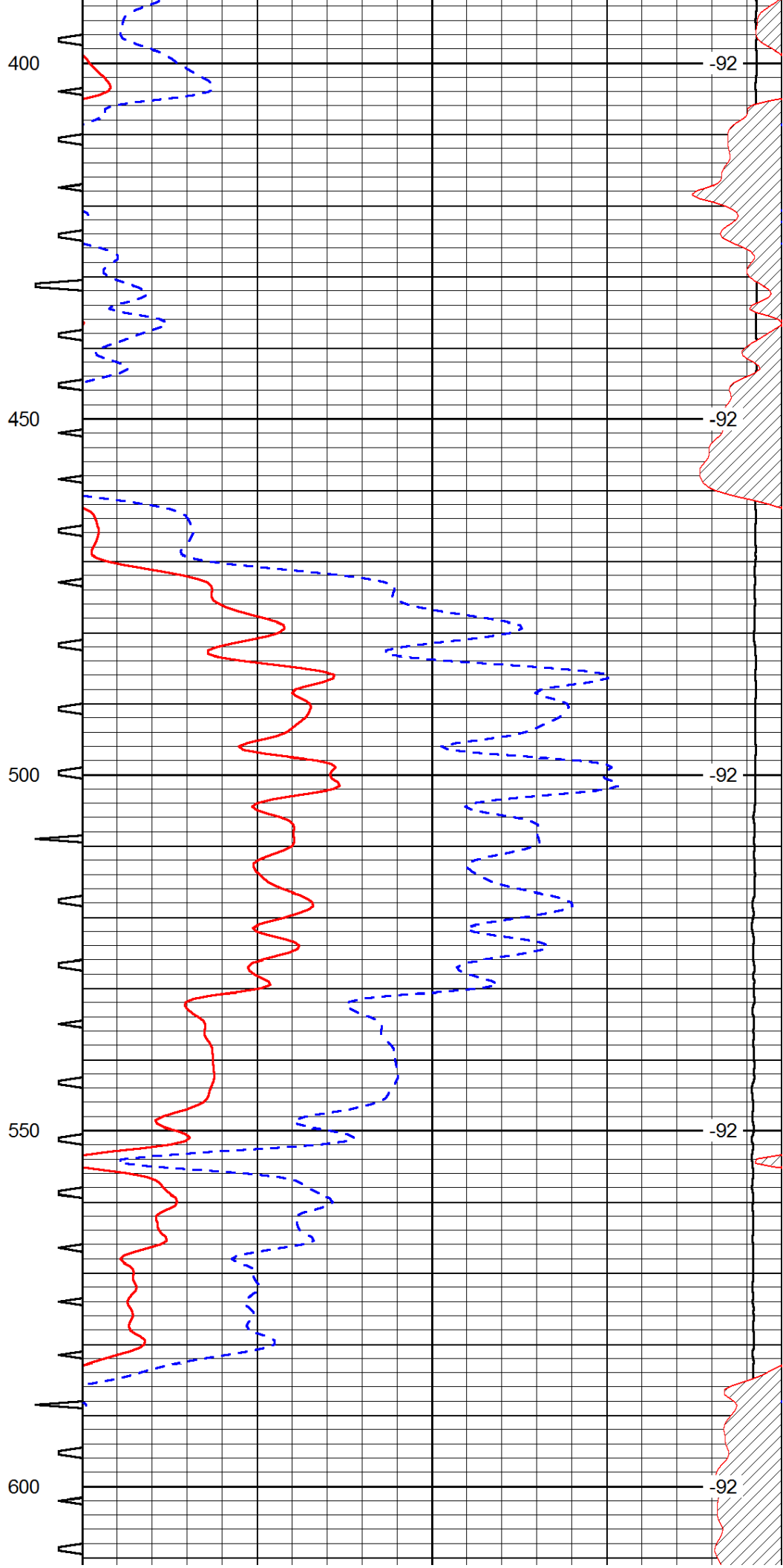
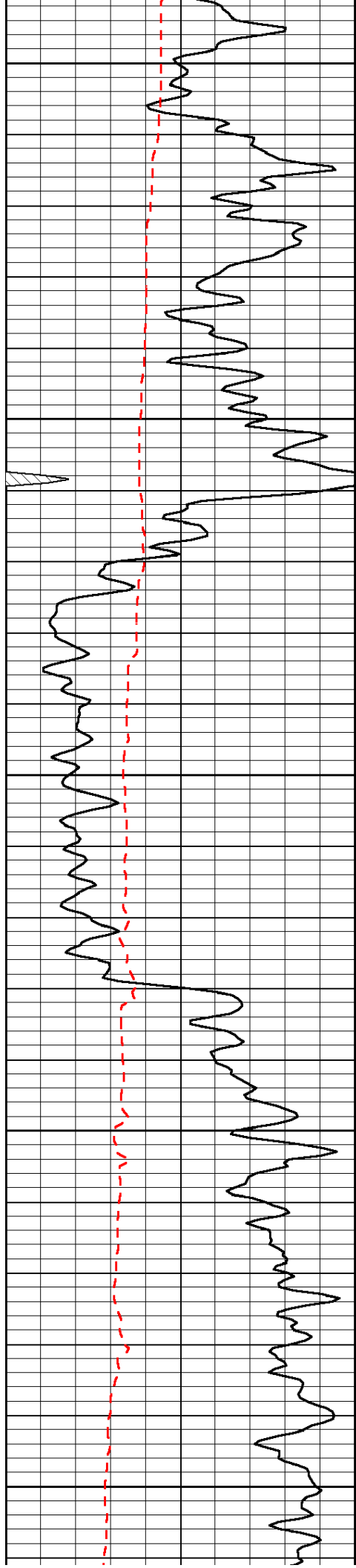
Comments

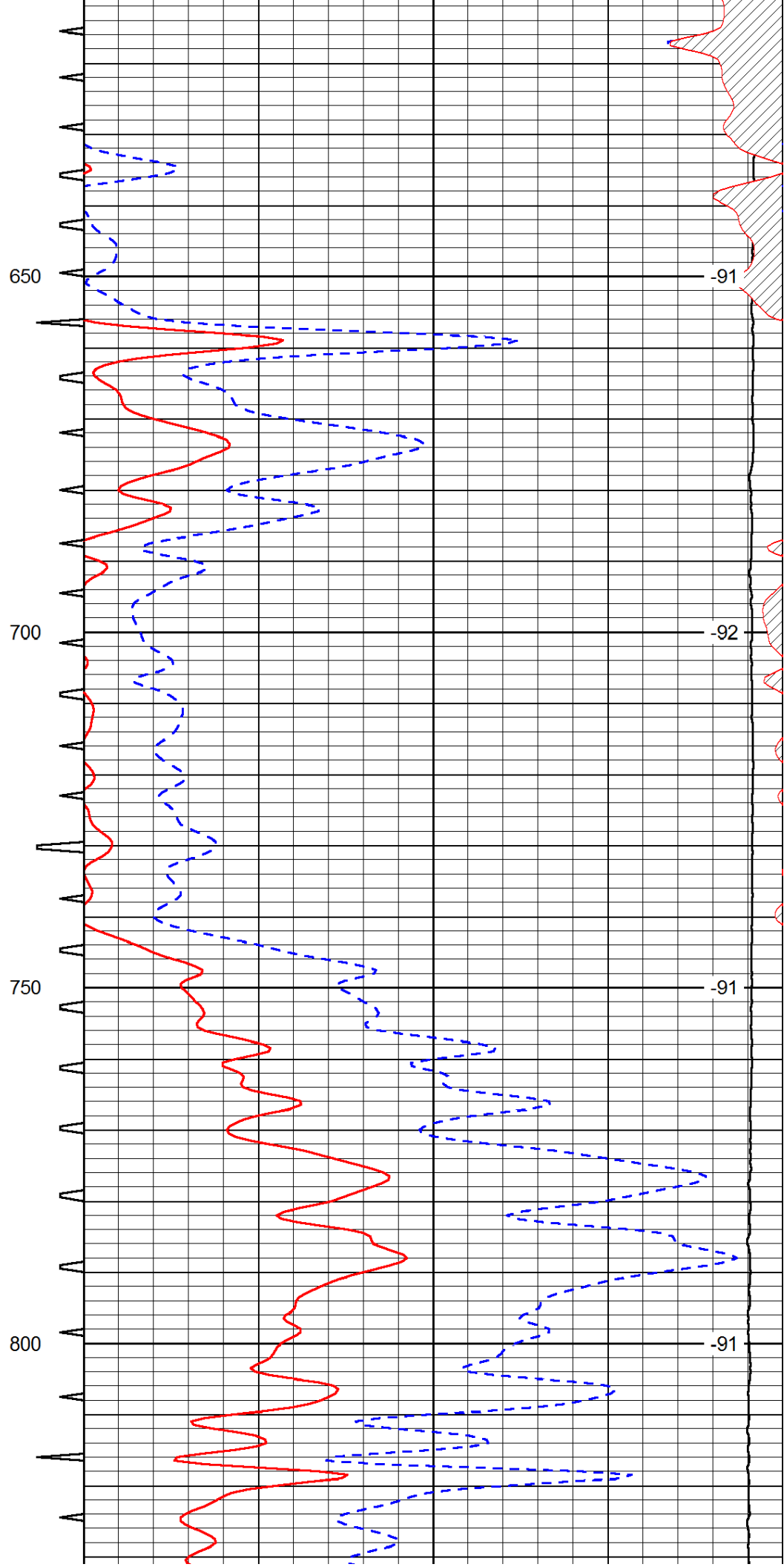
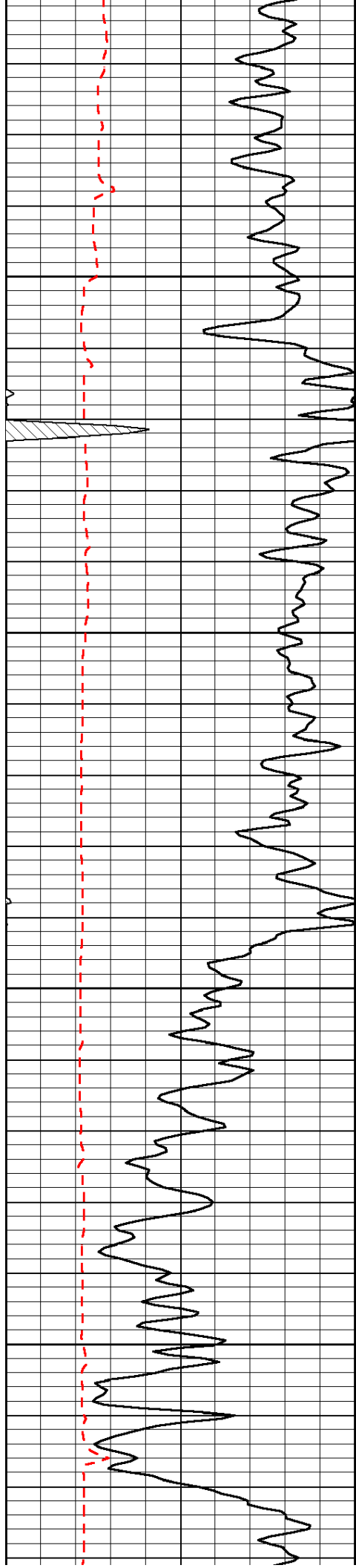
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Scott City,
North to Hwy 83 & Hwy 4 Junction,
7 1/4 West, South into

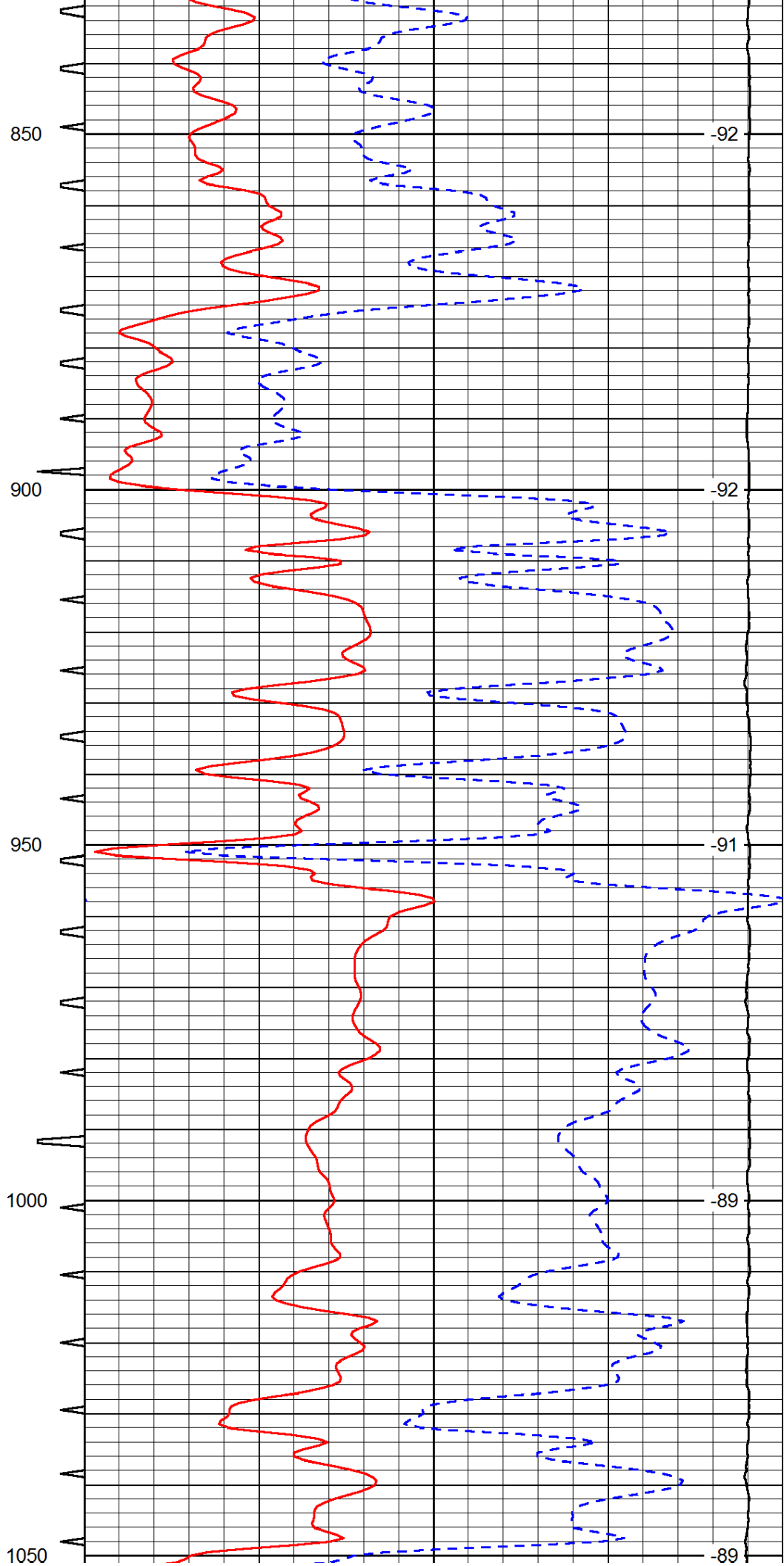
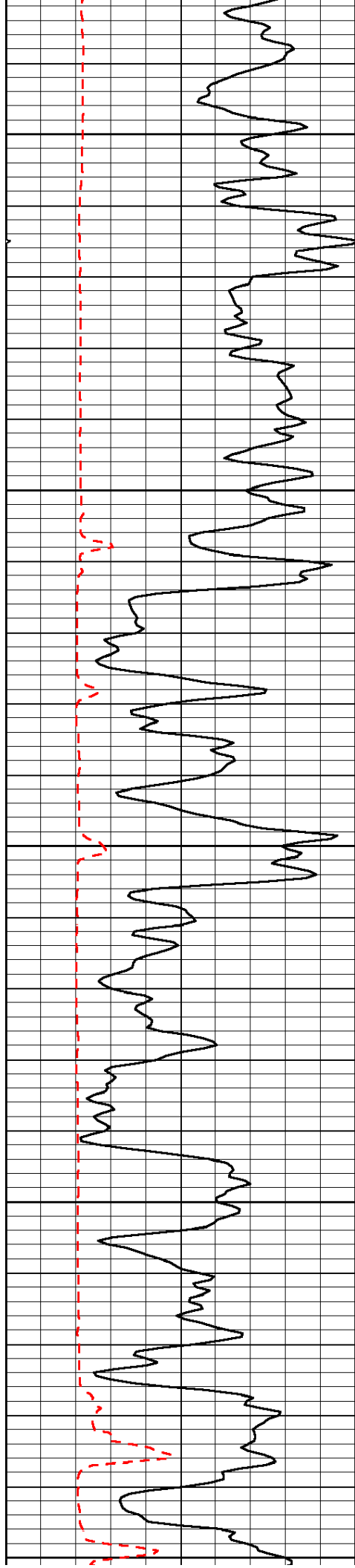
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Dataset Pathname: dil\lmstack
Presentation Format: sonic
Dataset Creation: Sat Jul 26 19:11:43 2014
Charted by: Depth in Feet scaled 1:240

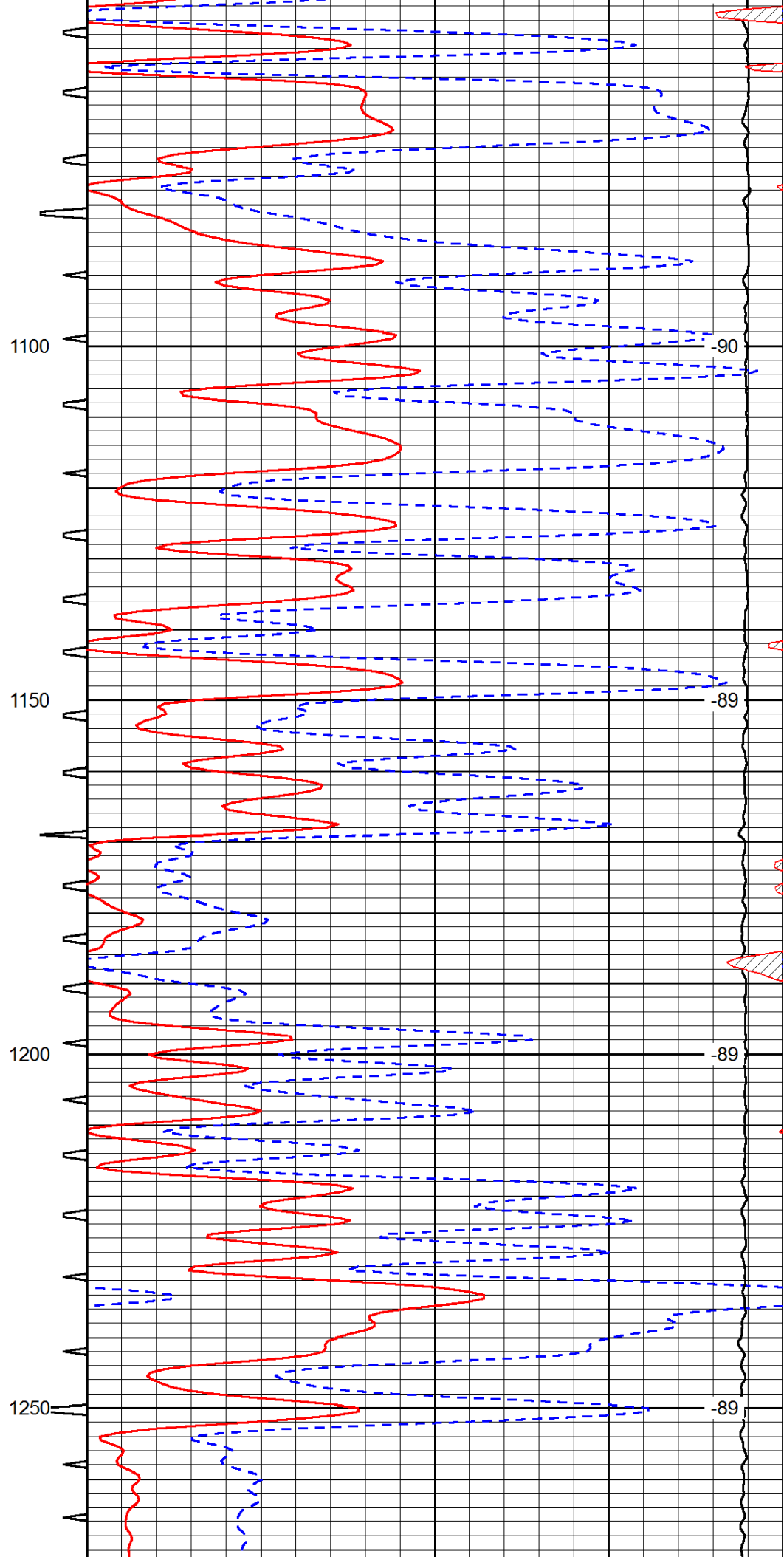
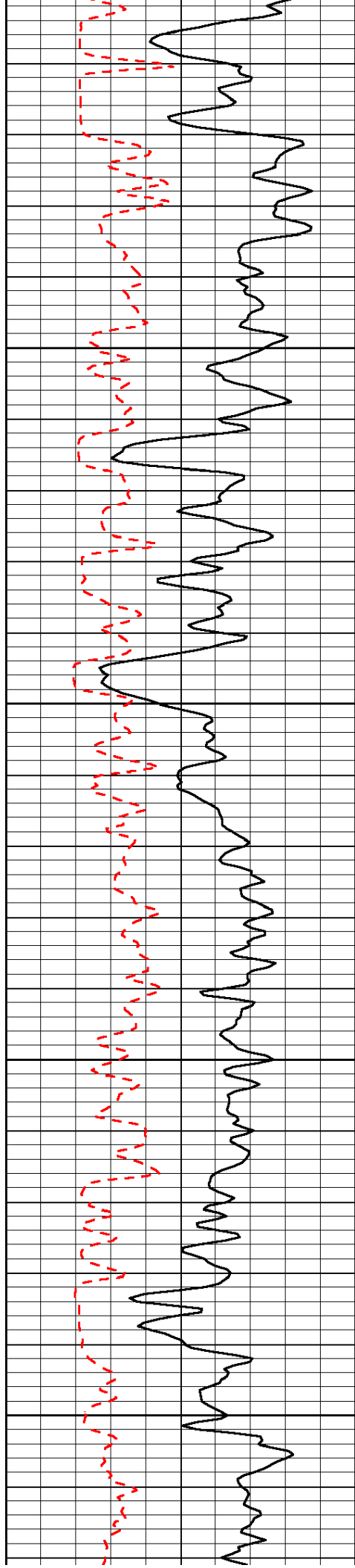
Charted by:		Depth in Feet scaled 1:2.15						
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40		
150	Gamma Ray	300		5	0	30	SPOR	-10
6	Caliper (GAPI)	16				15000	LTEN (lb)	0
							LSPD	

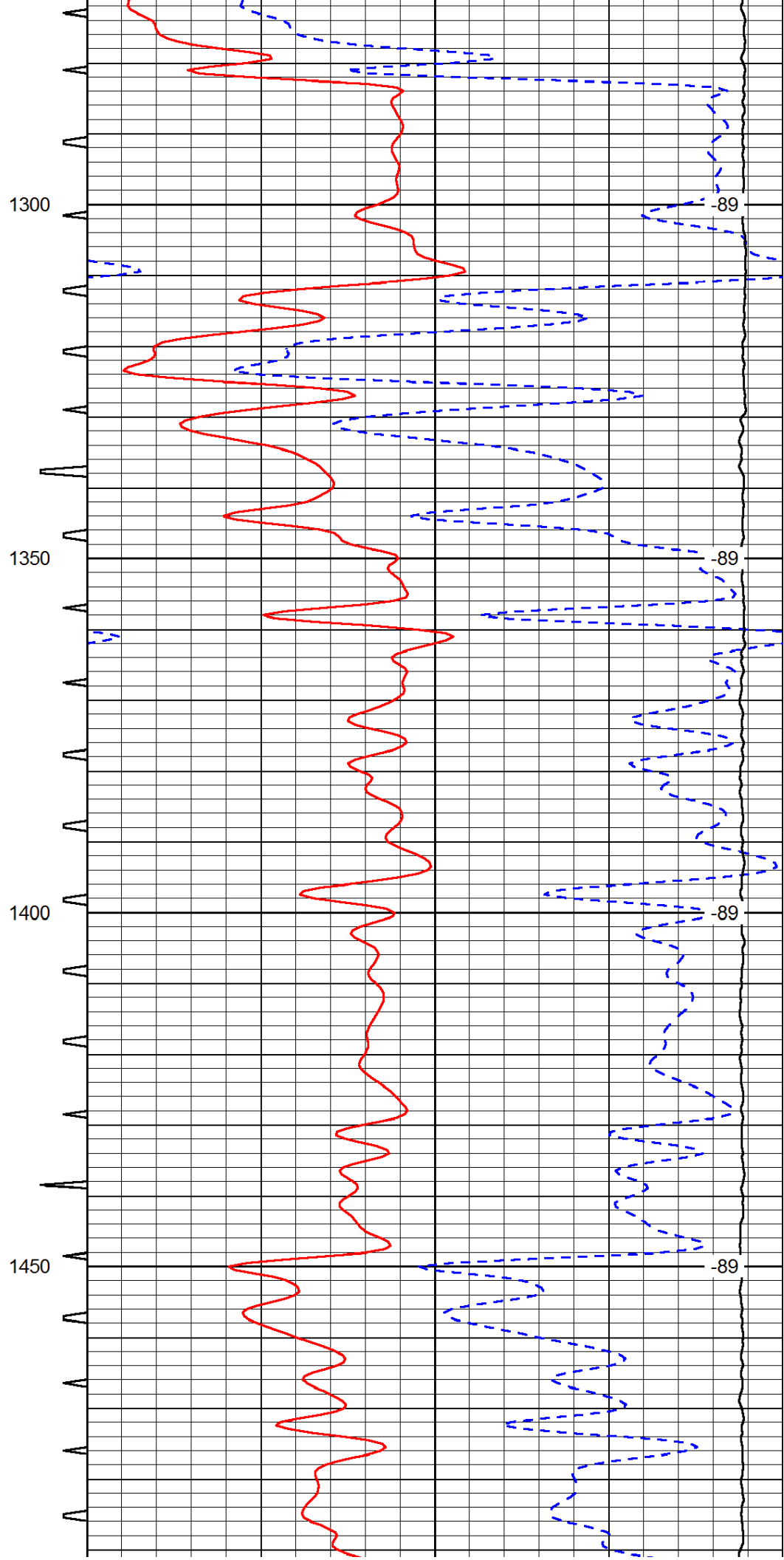
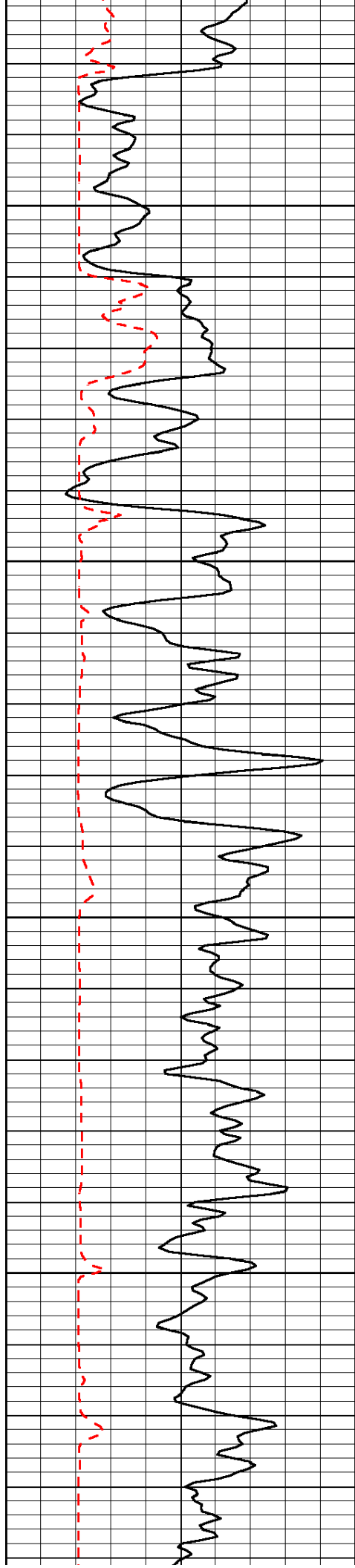


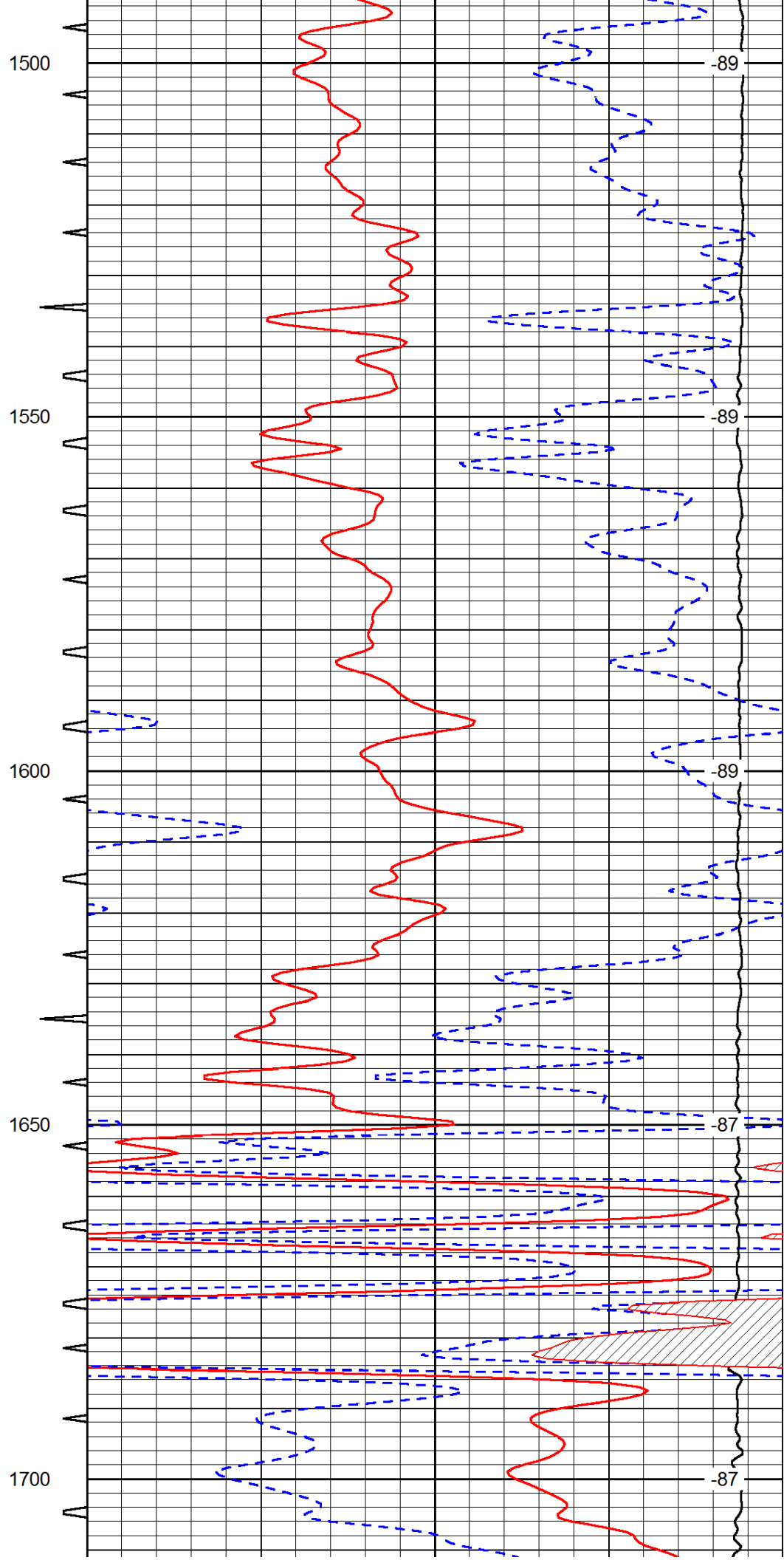
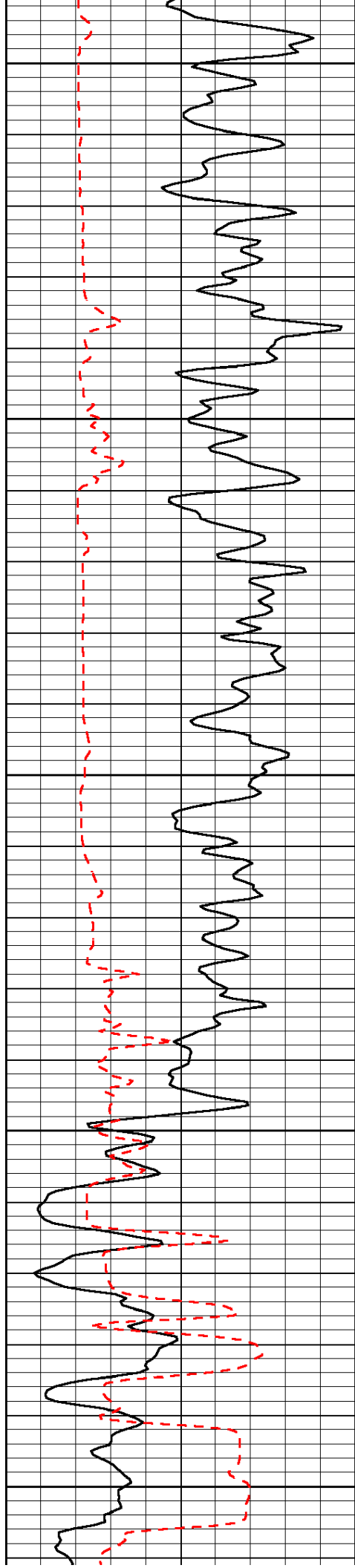


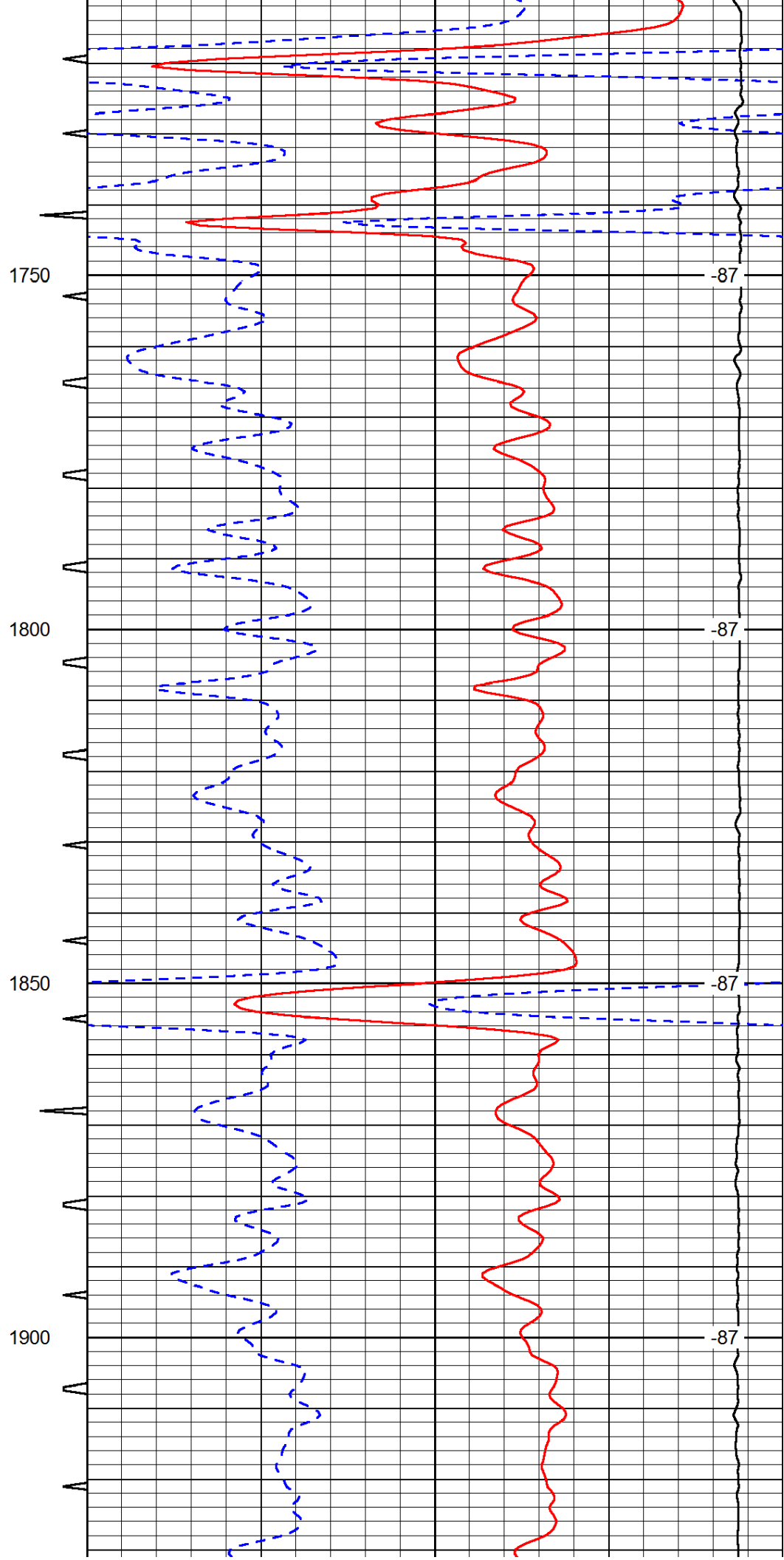
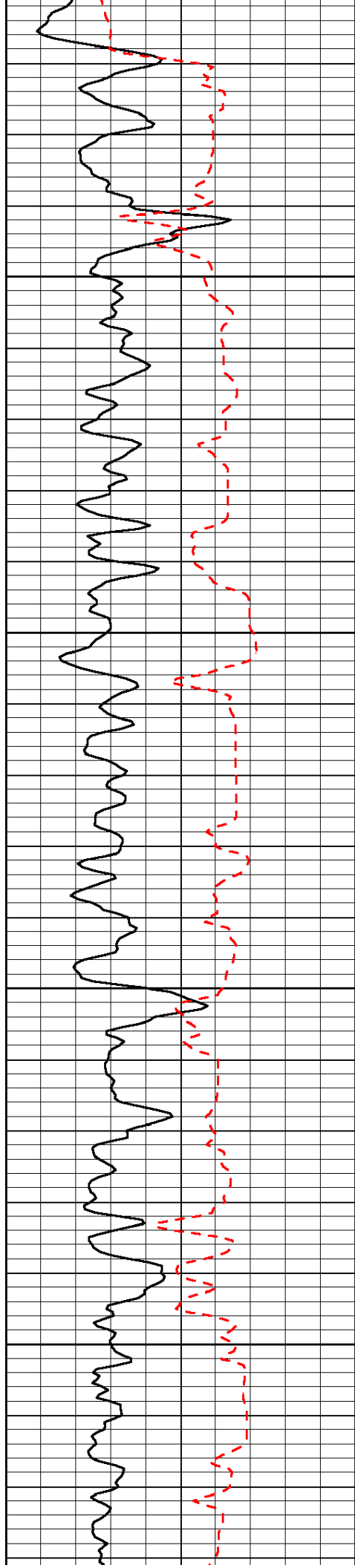


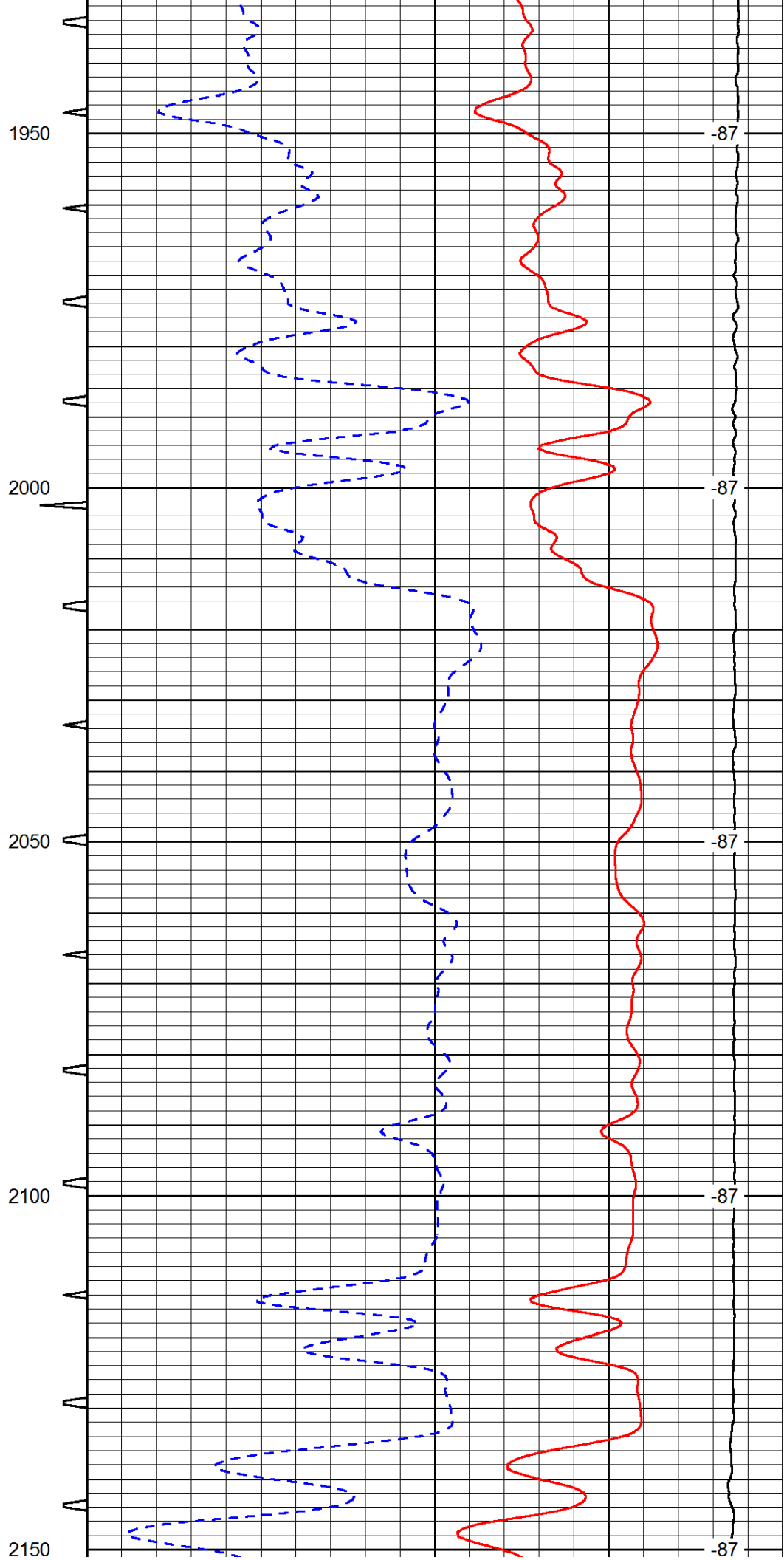
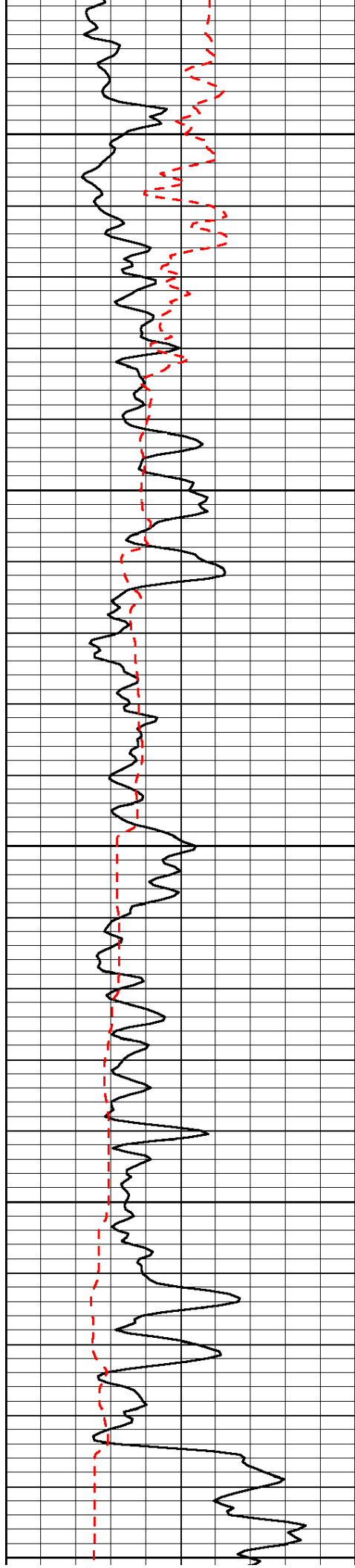


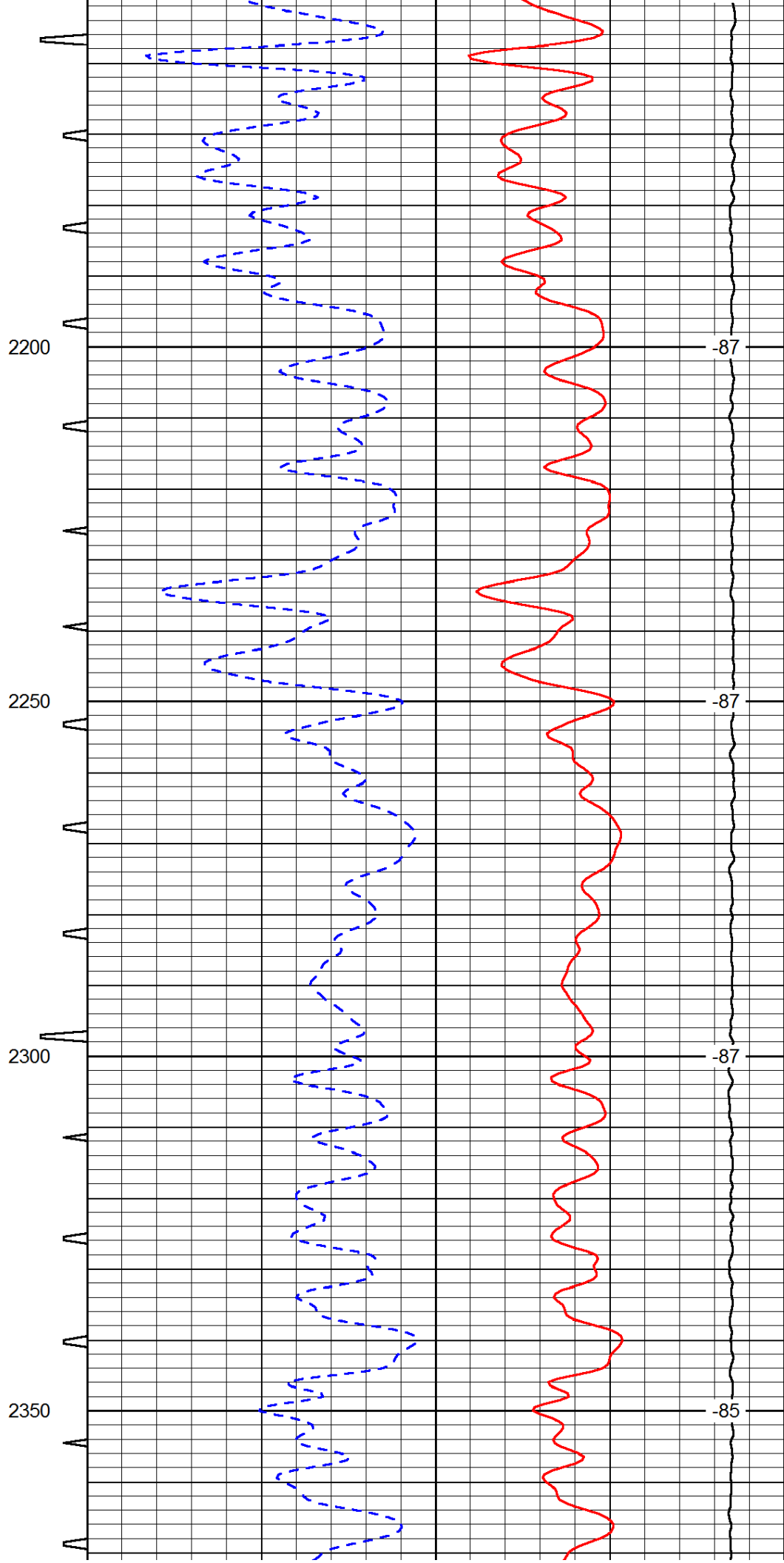
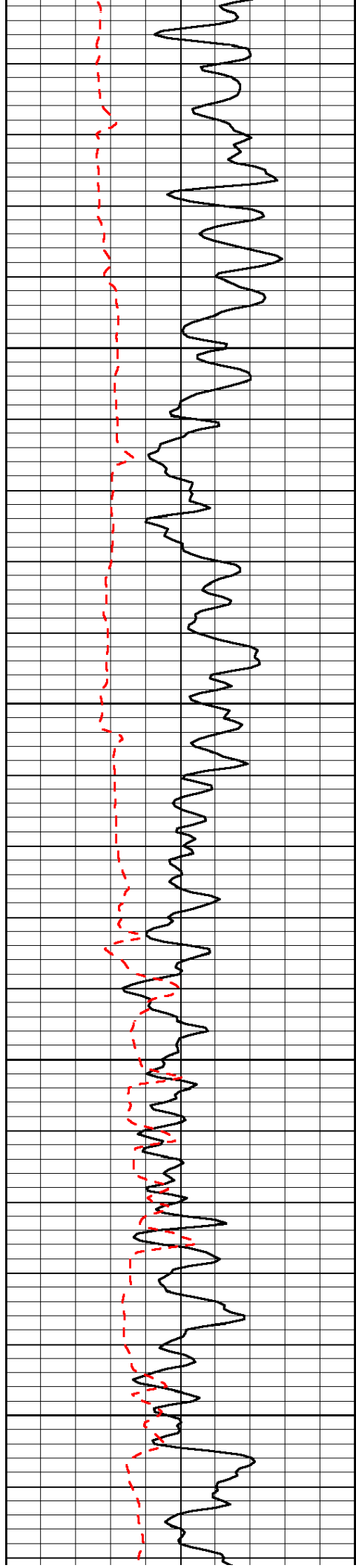


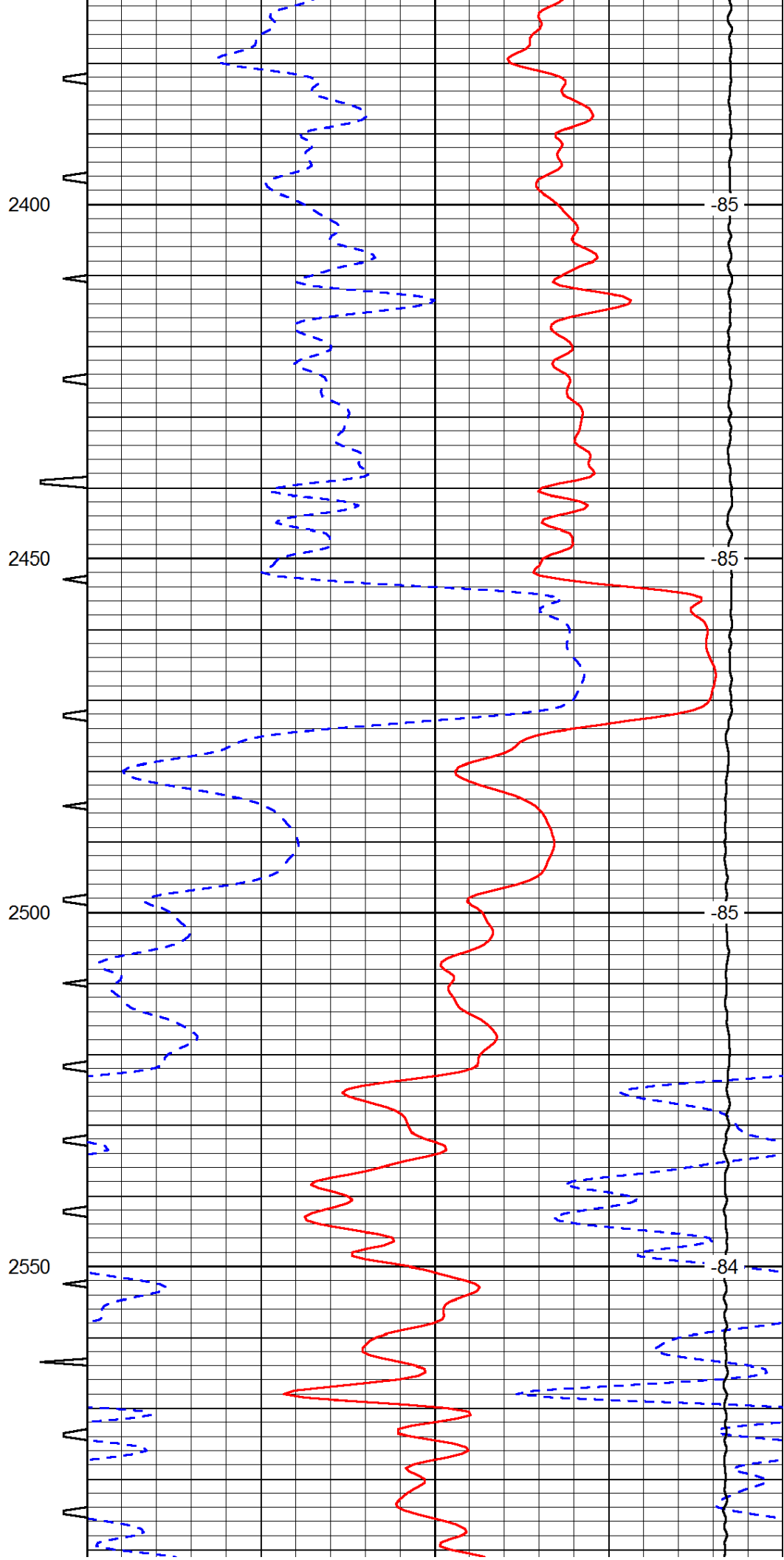
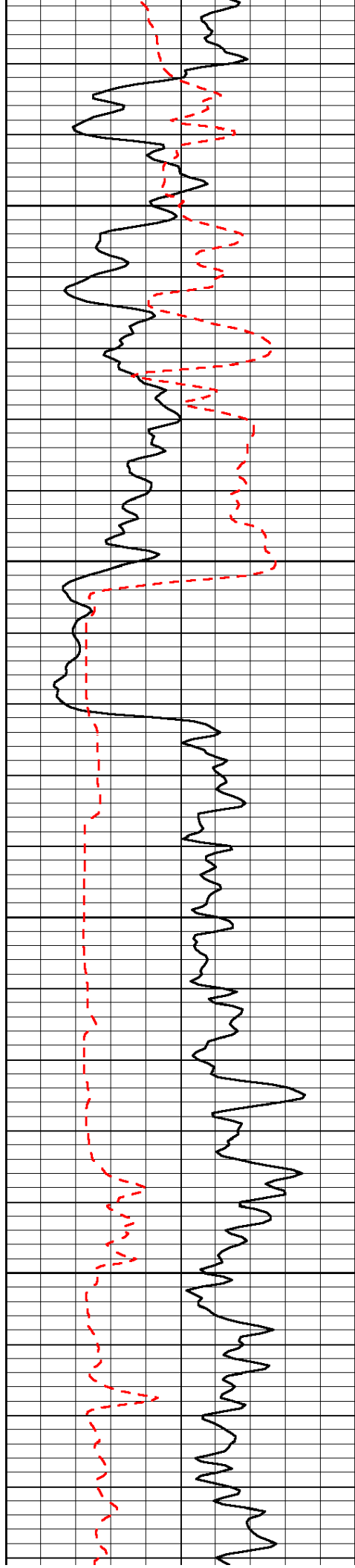


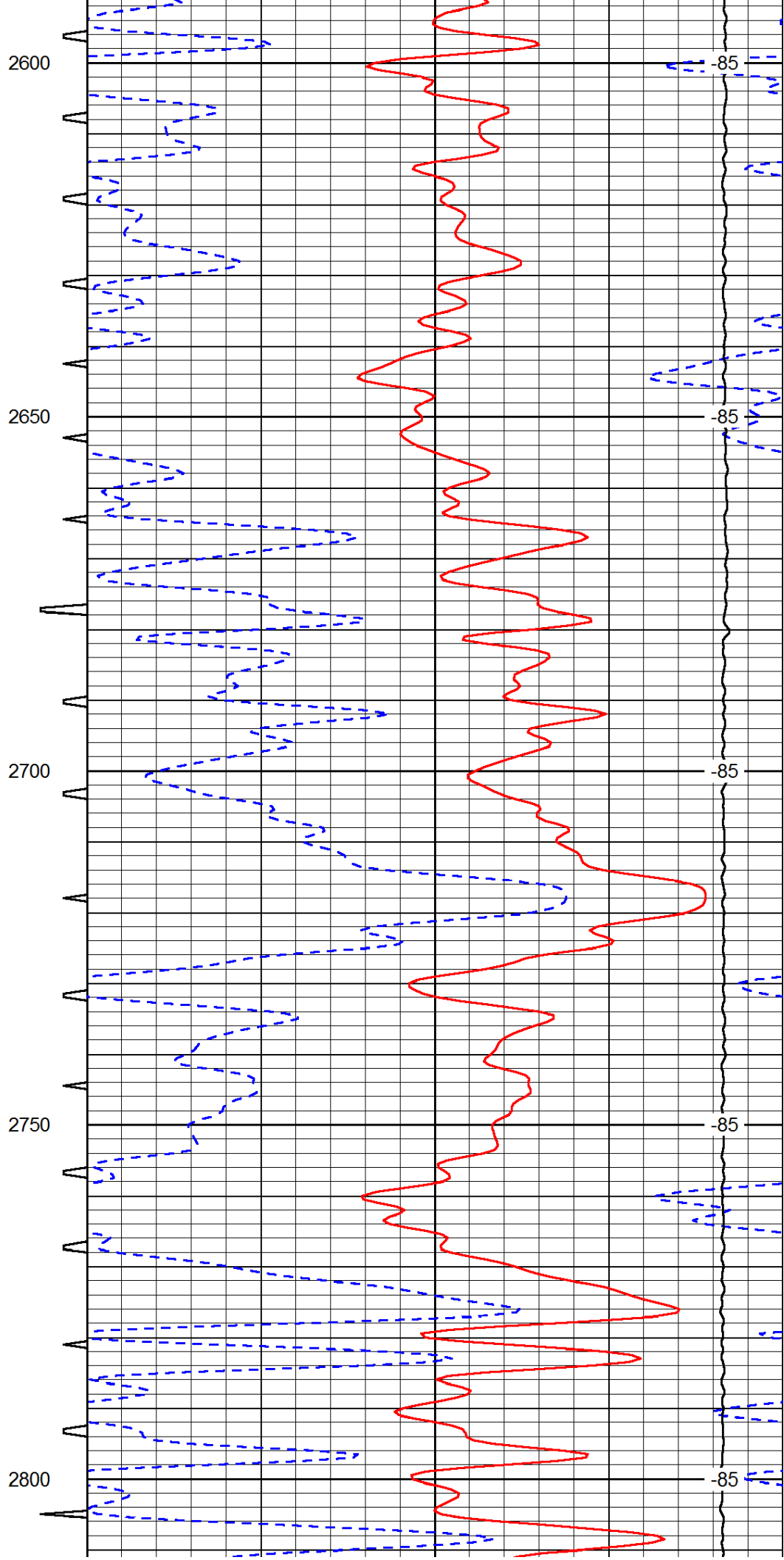
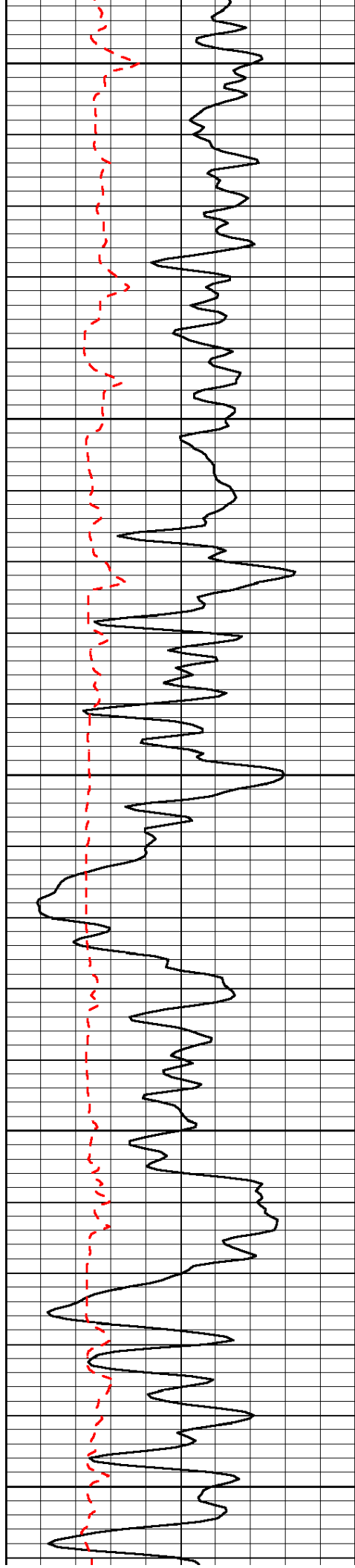


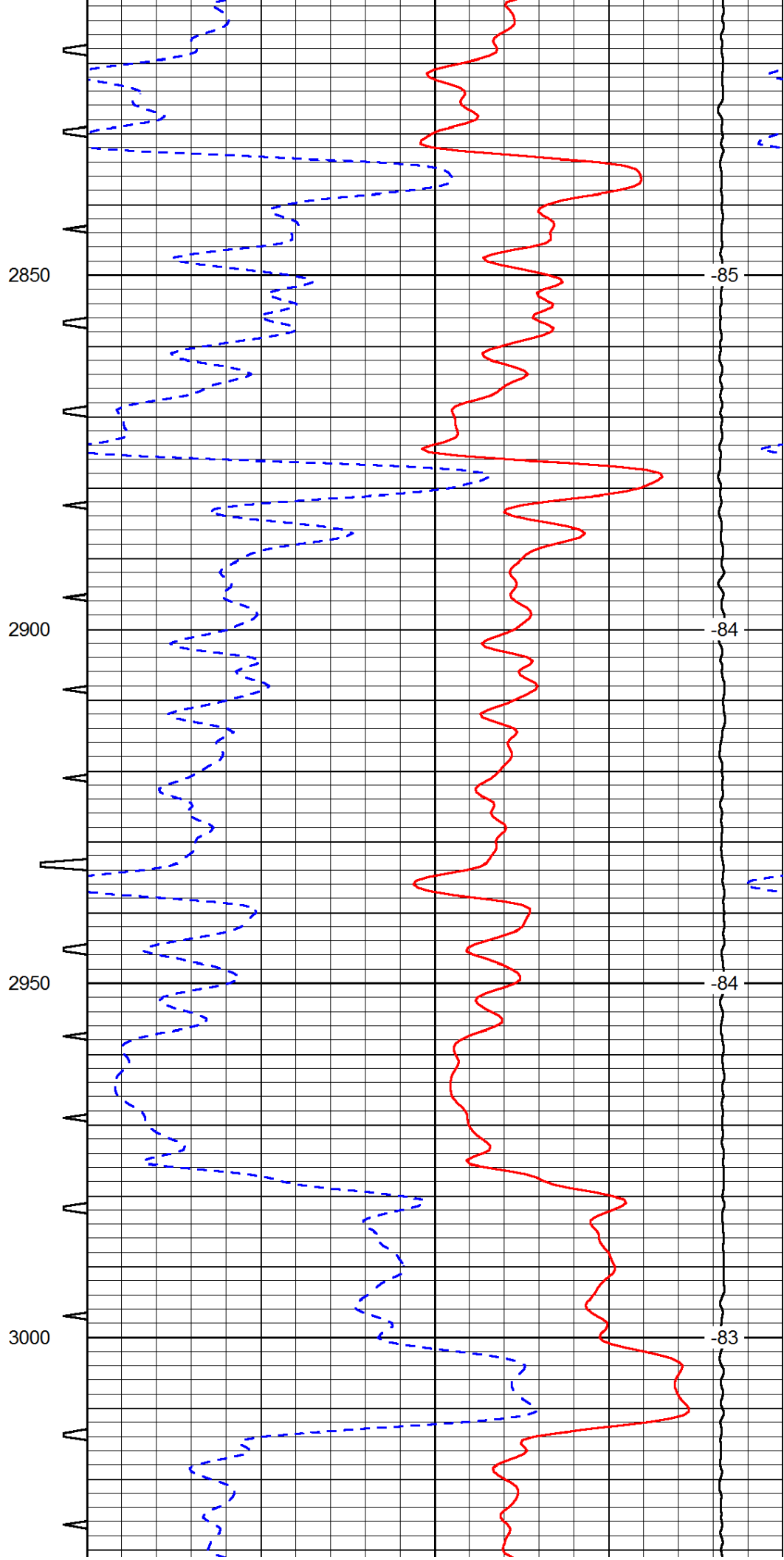
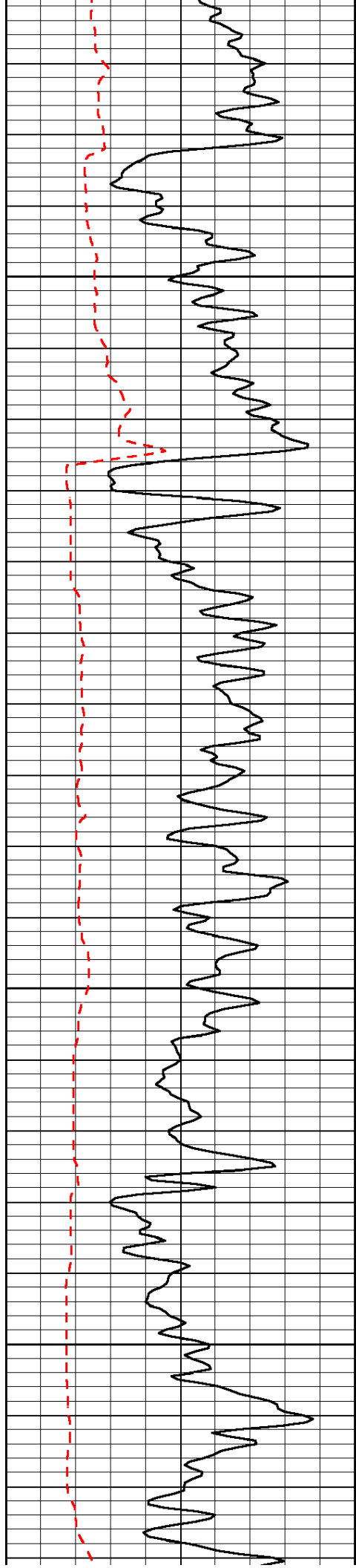


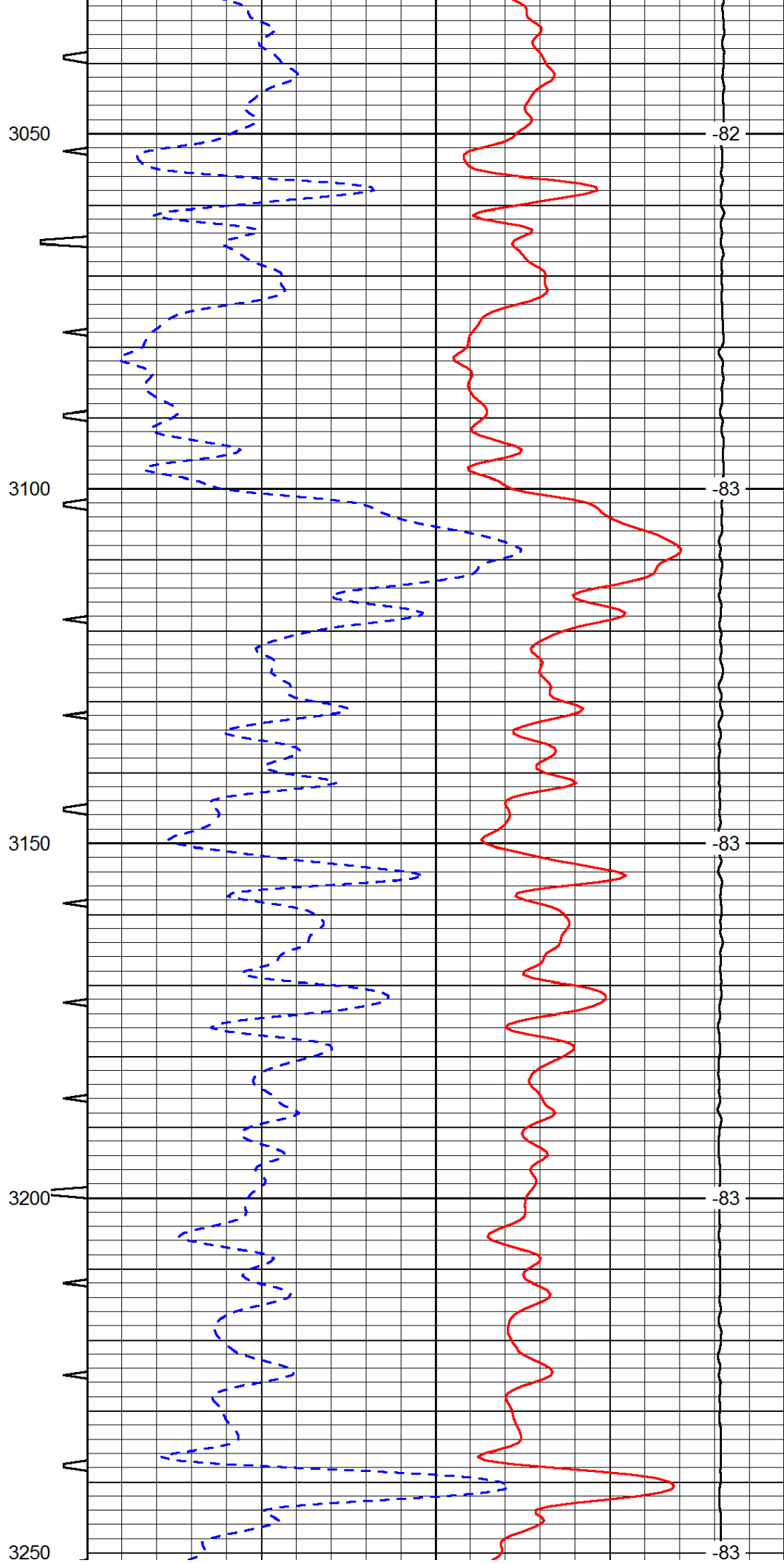
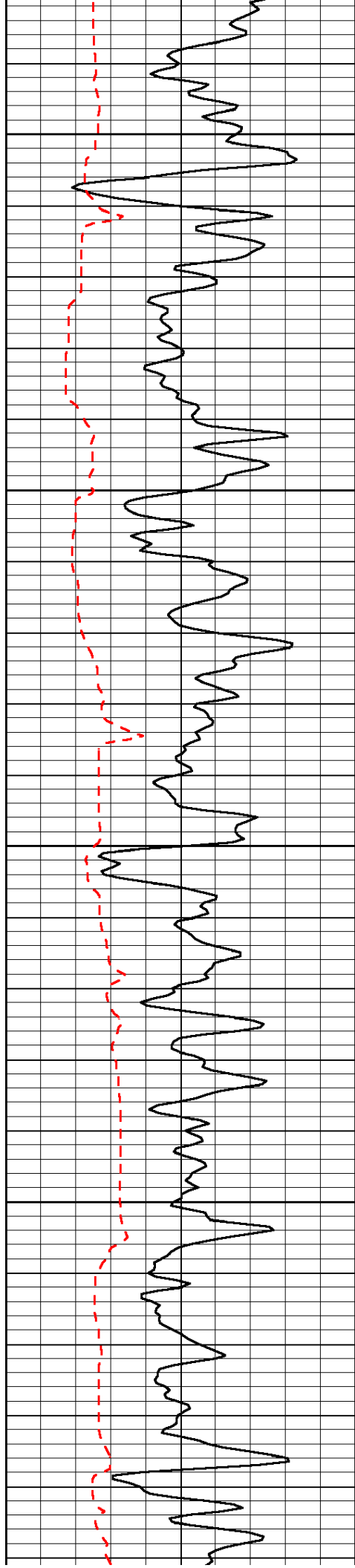


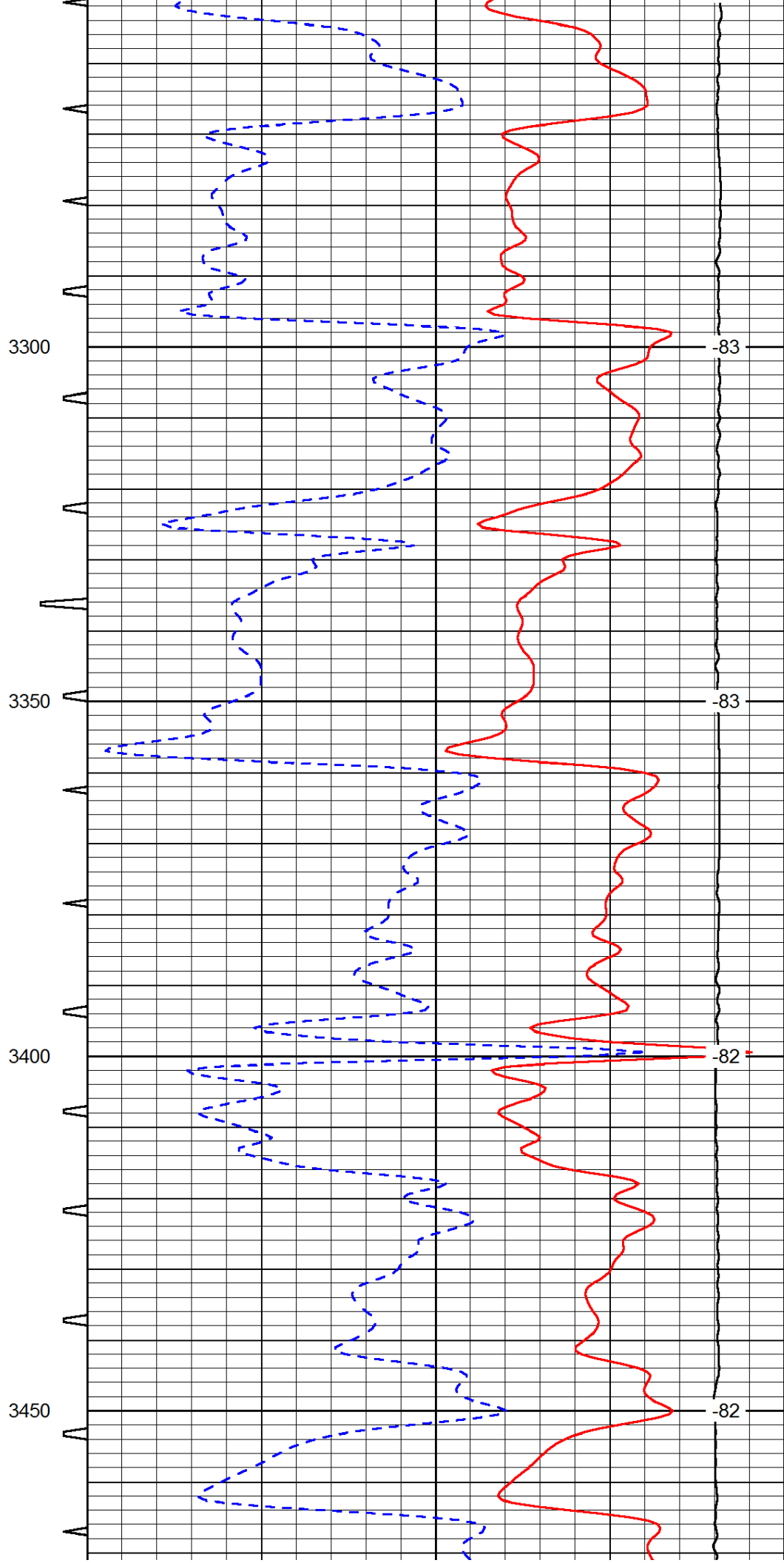
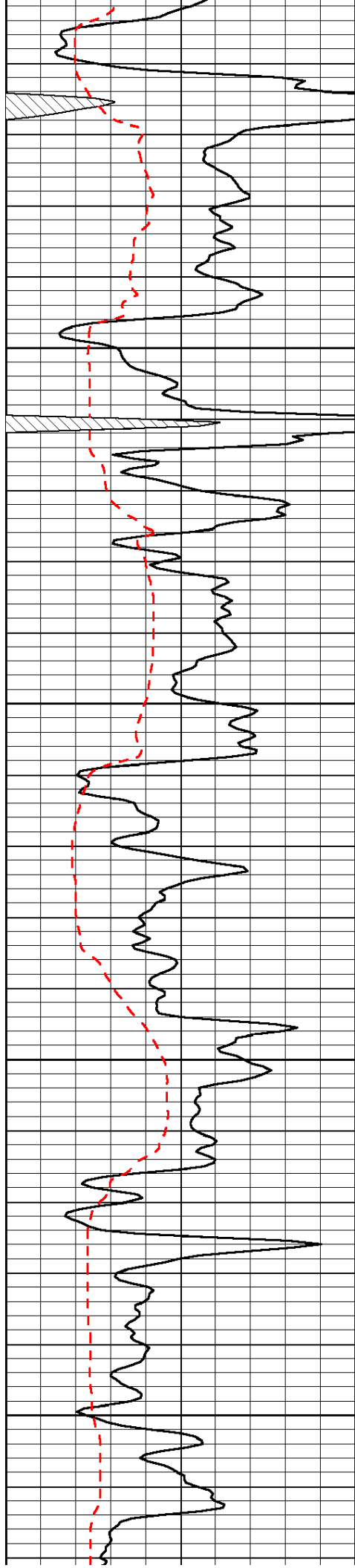


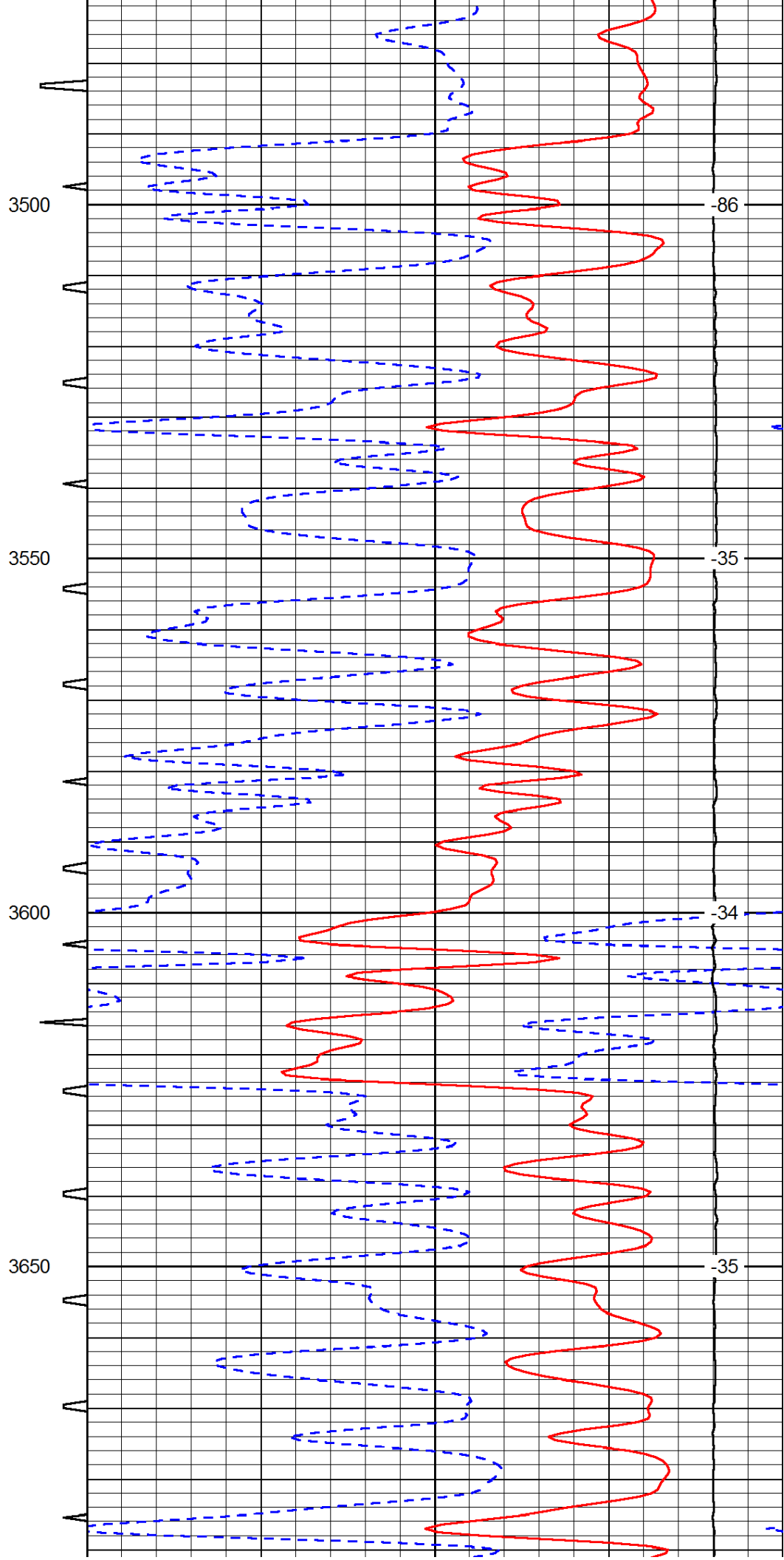
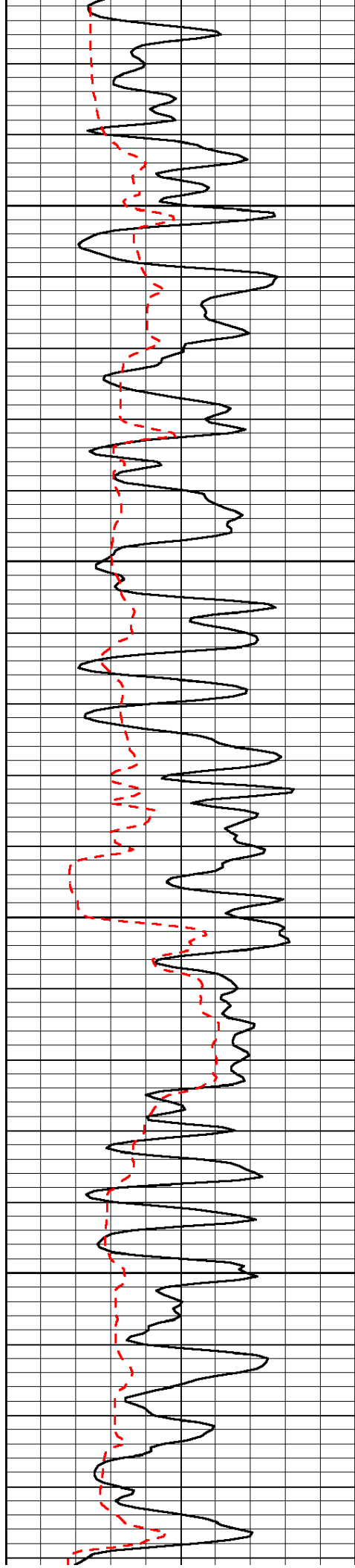


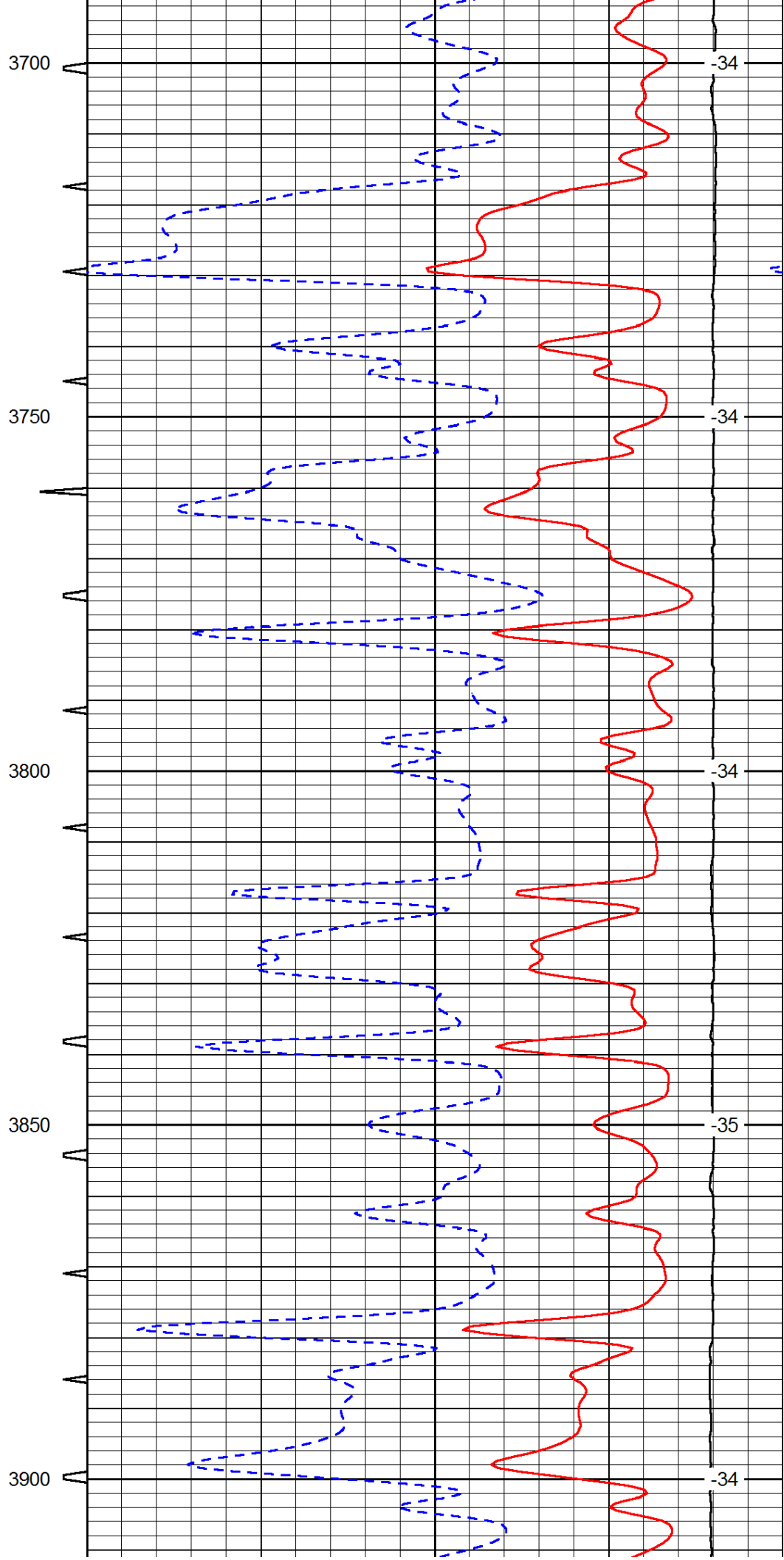
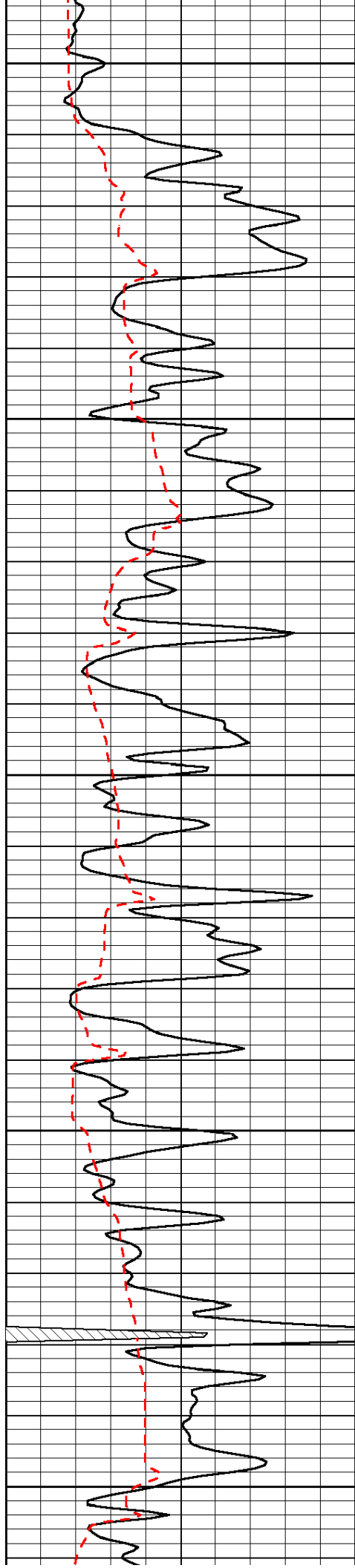


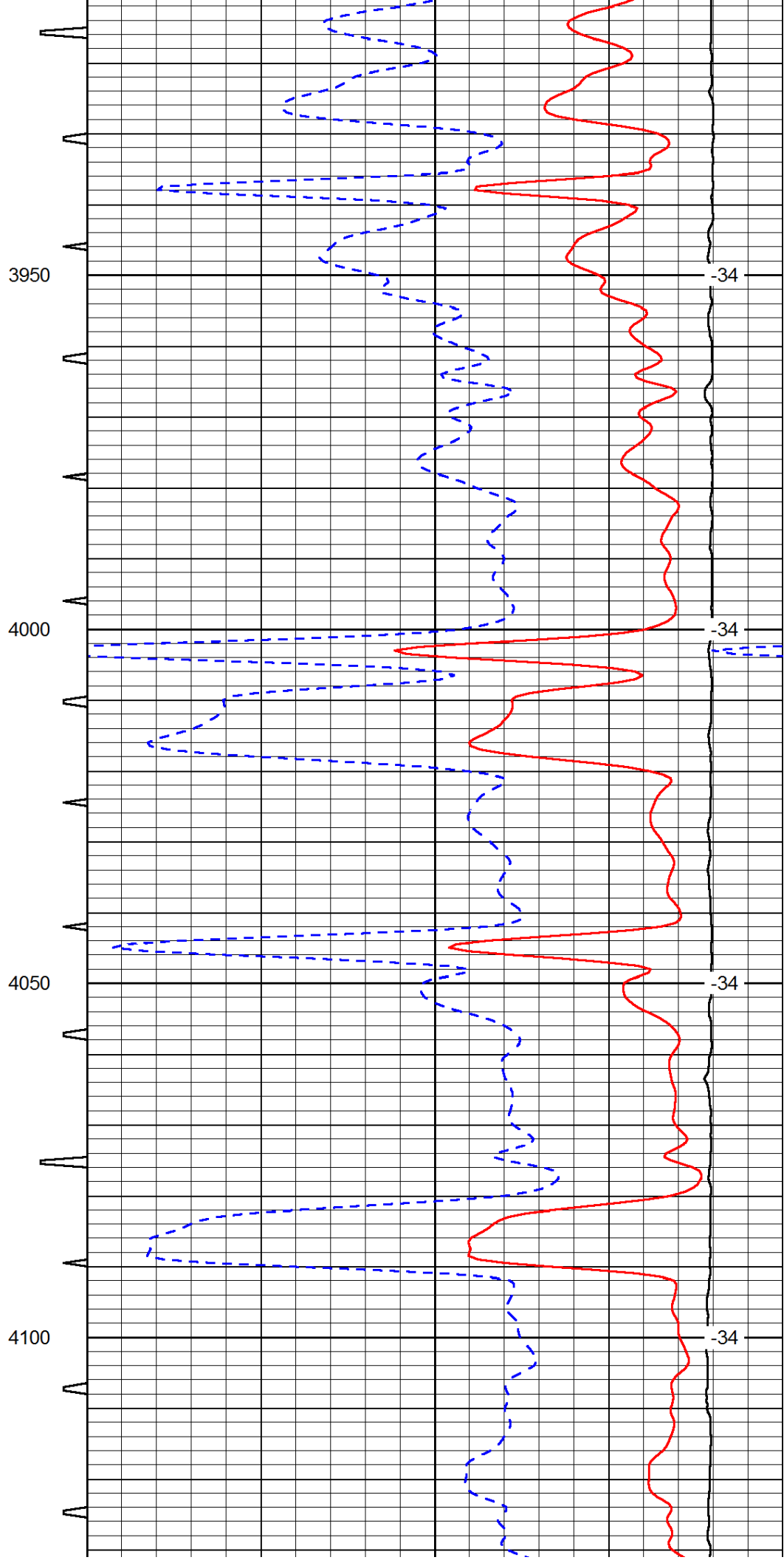
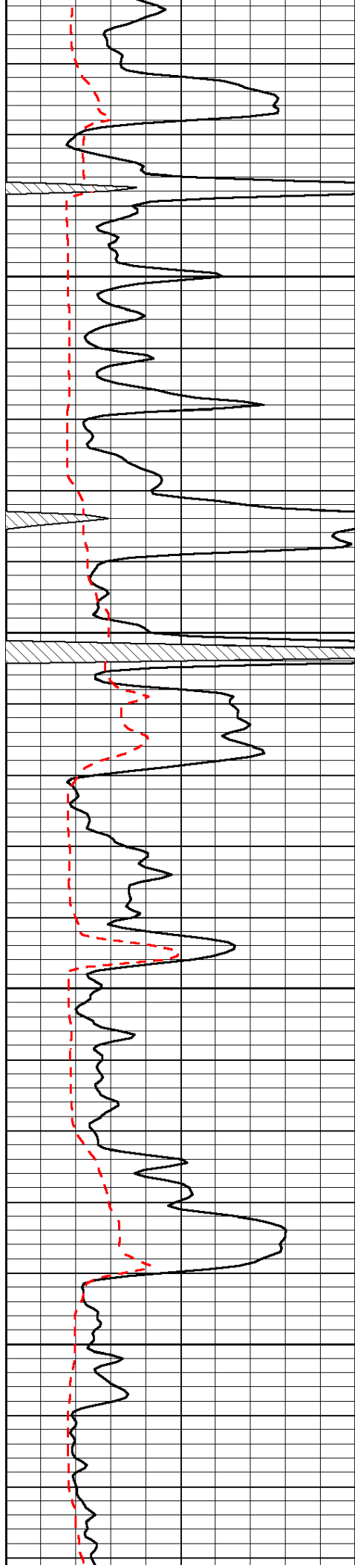


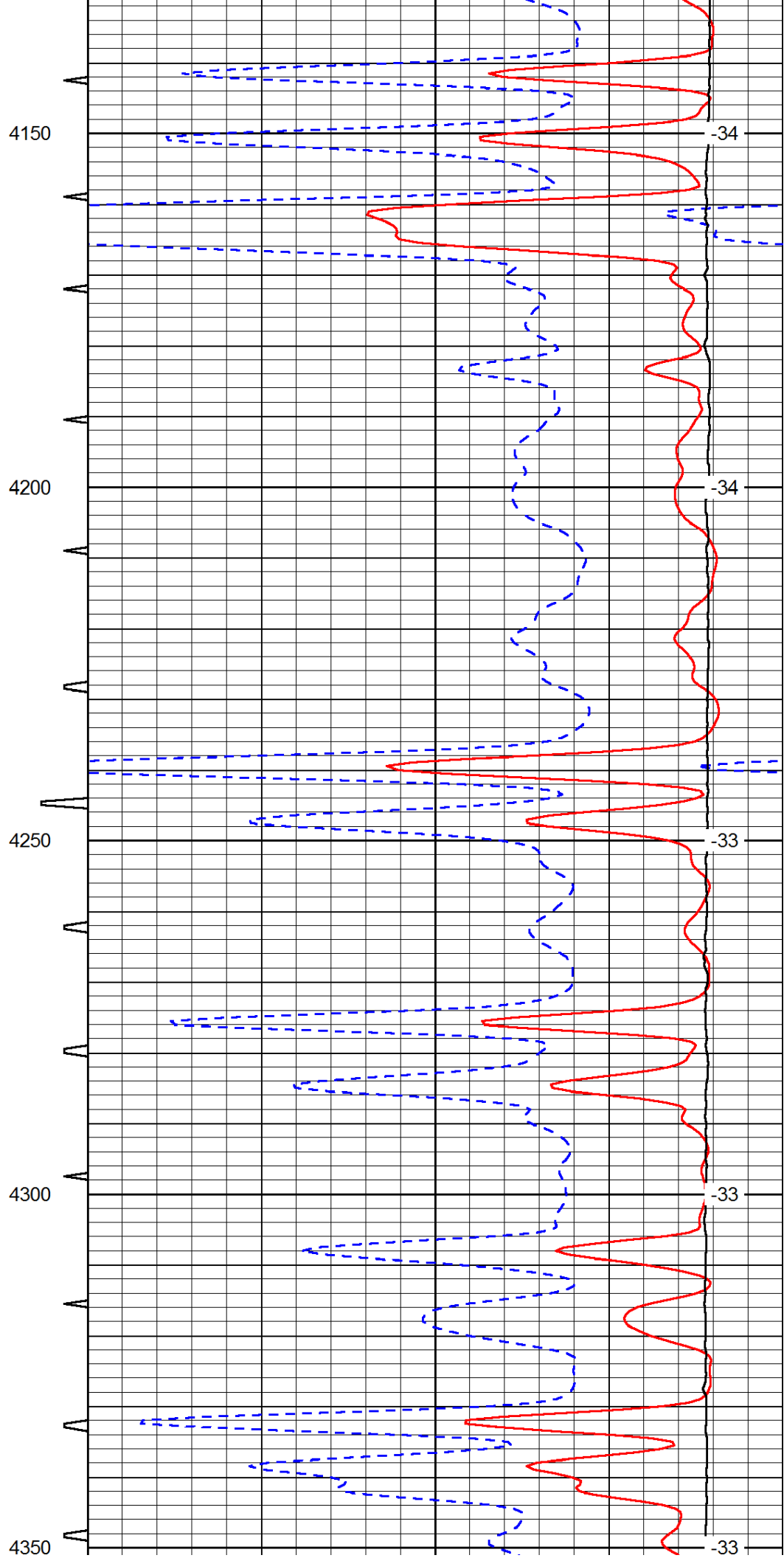
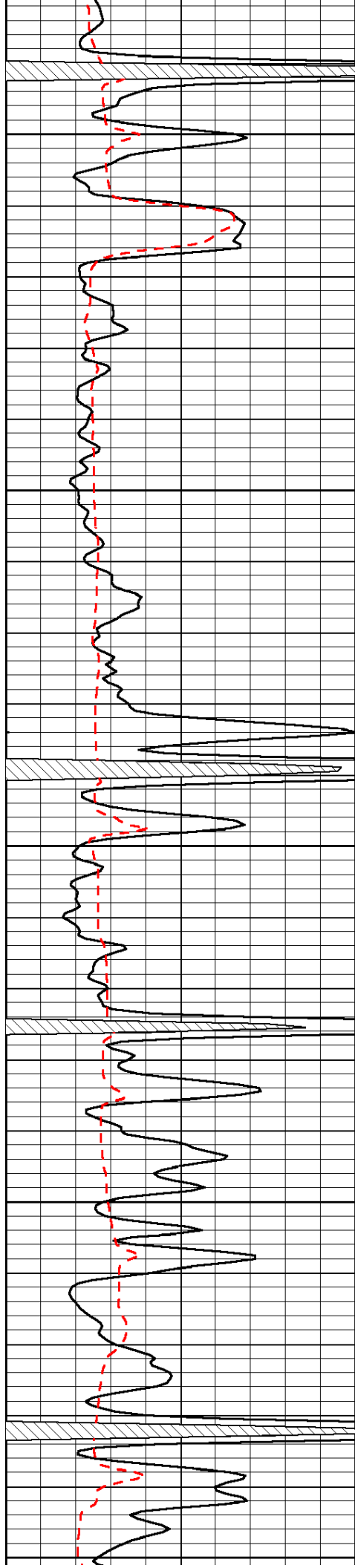


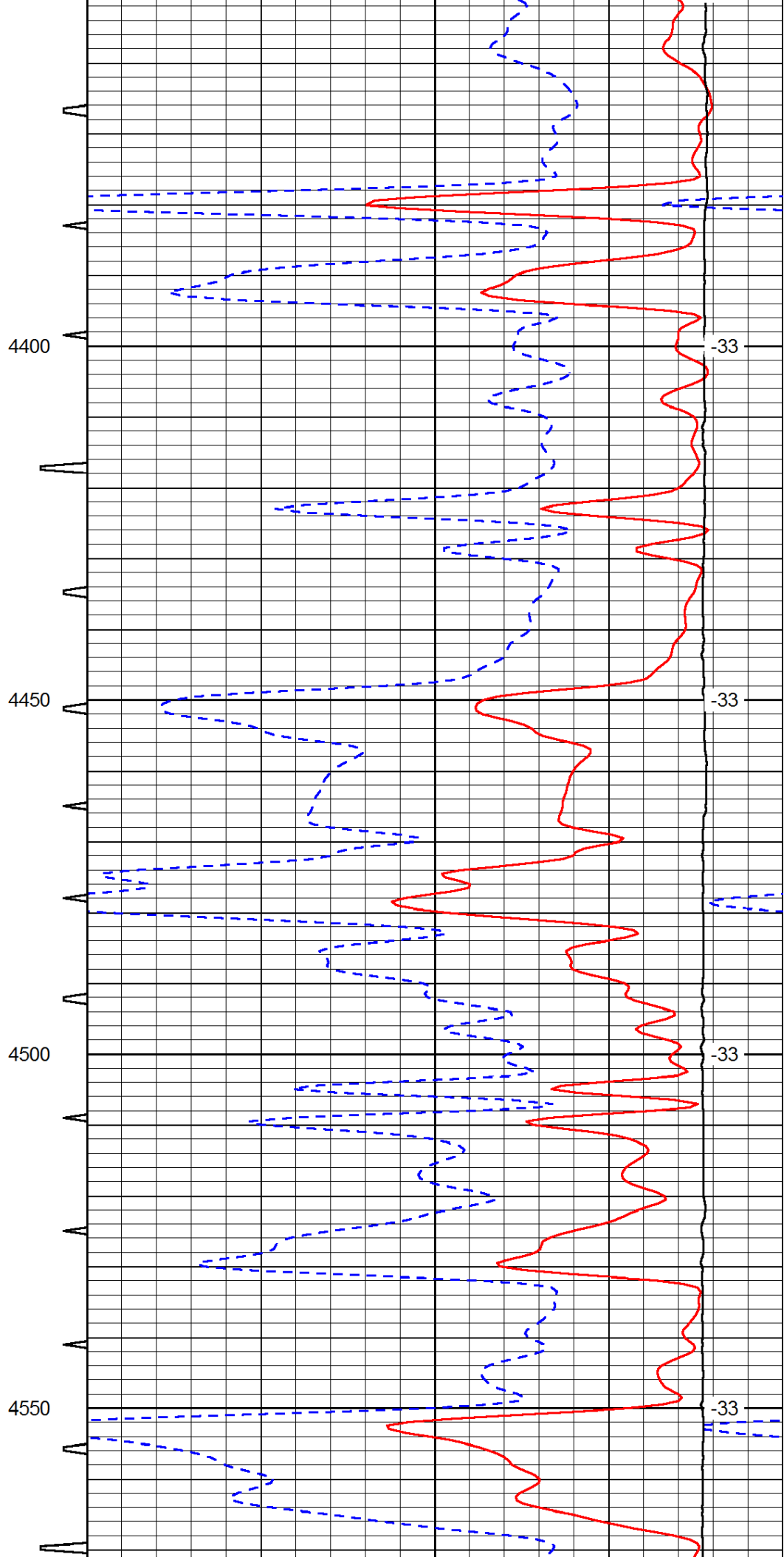
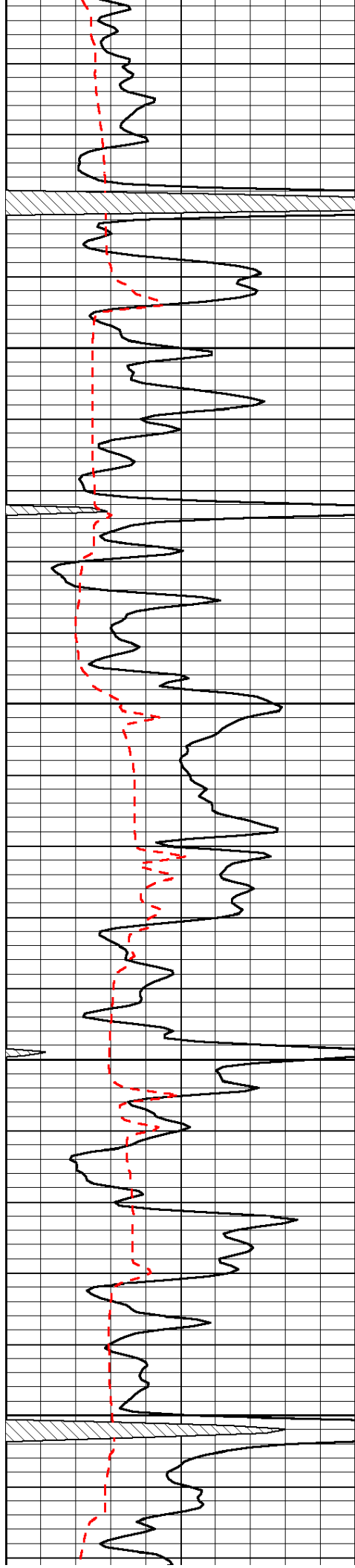


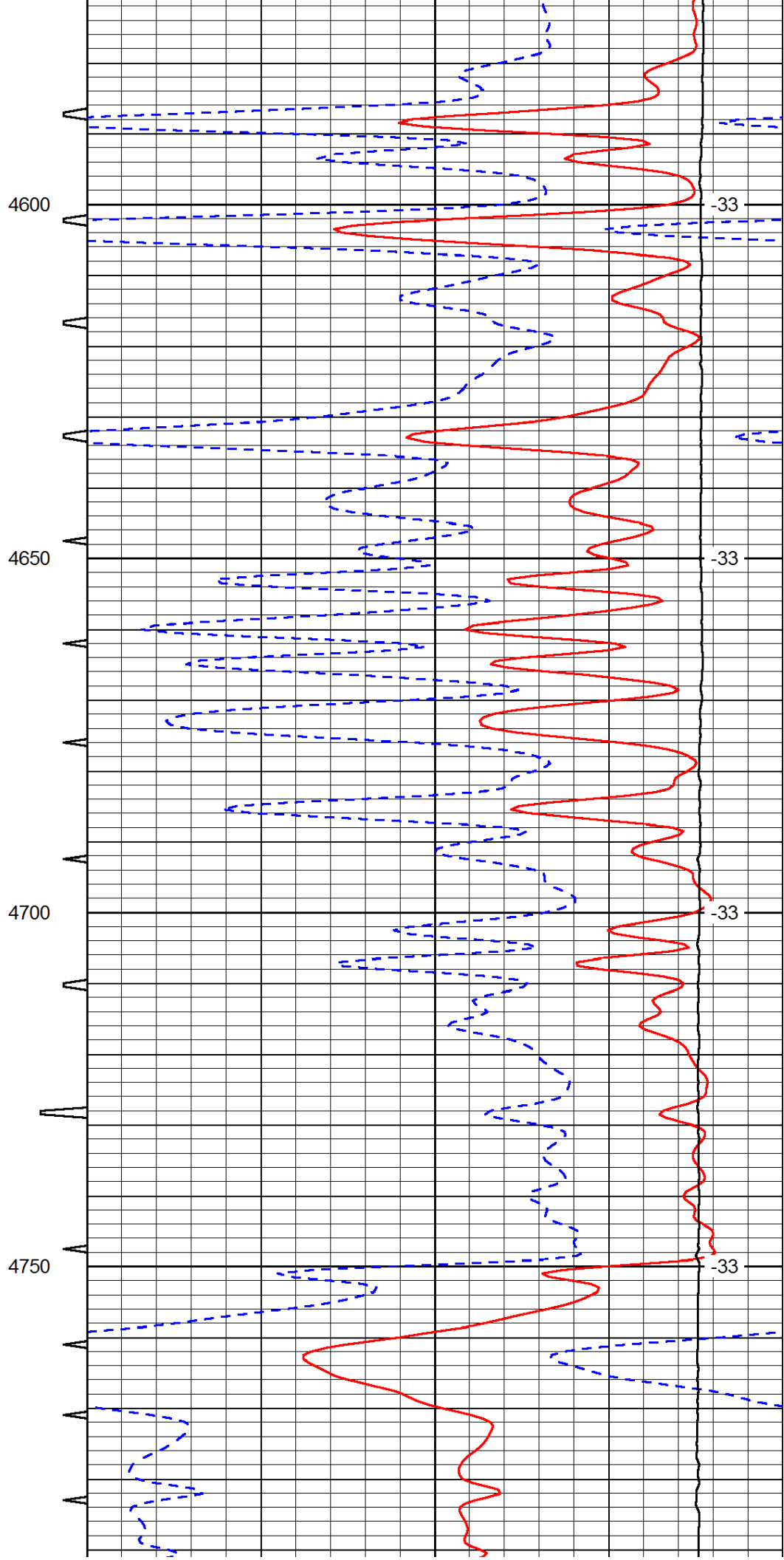
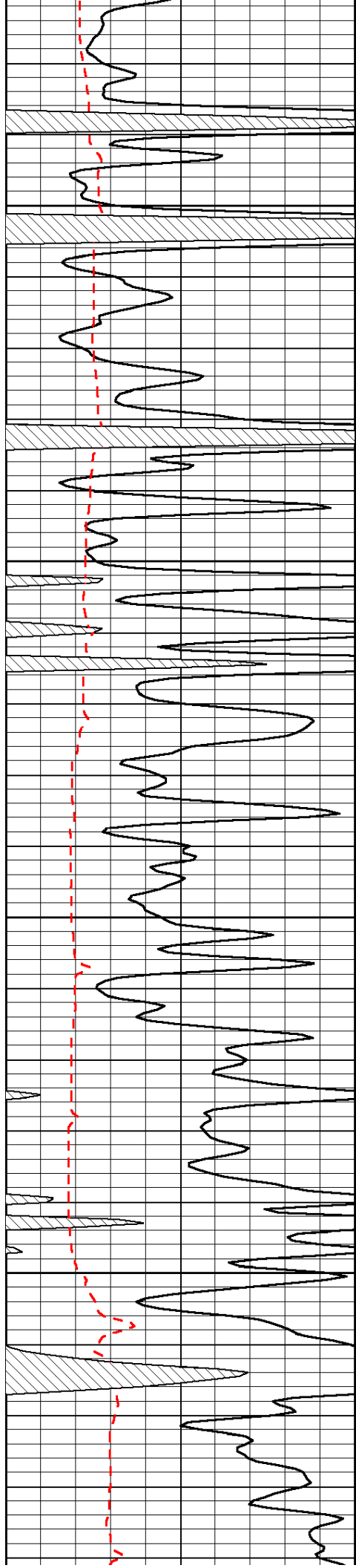


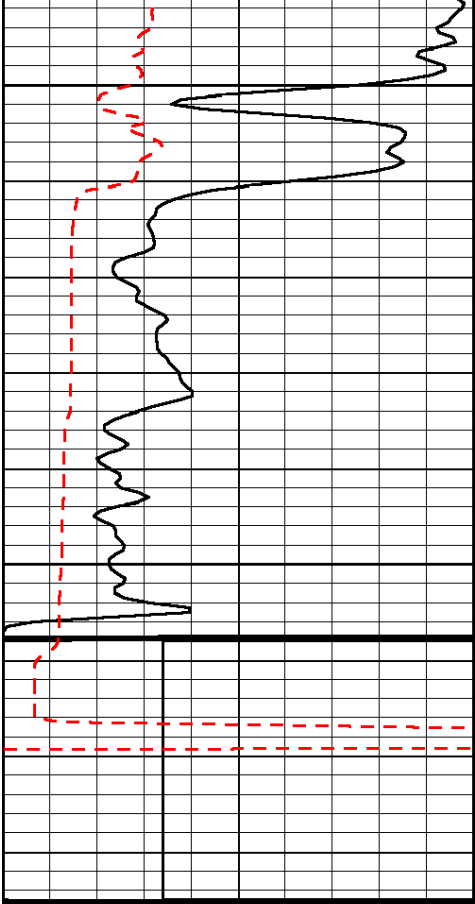




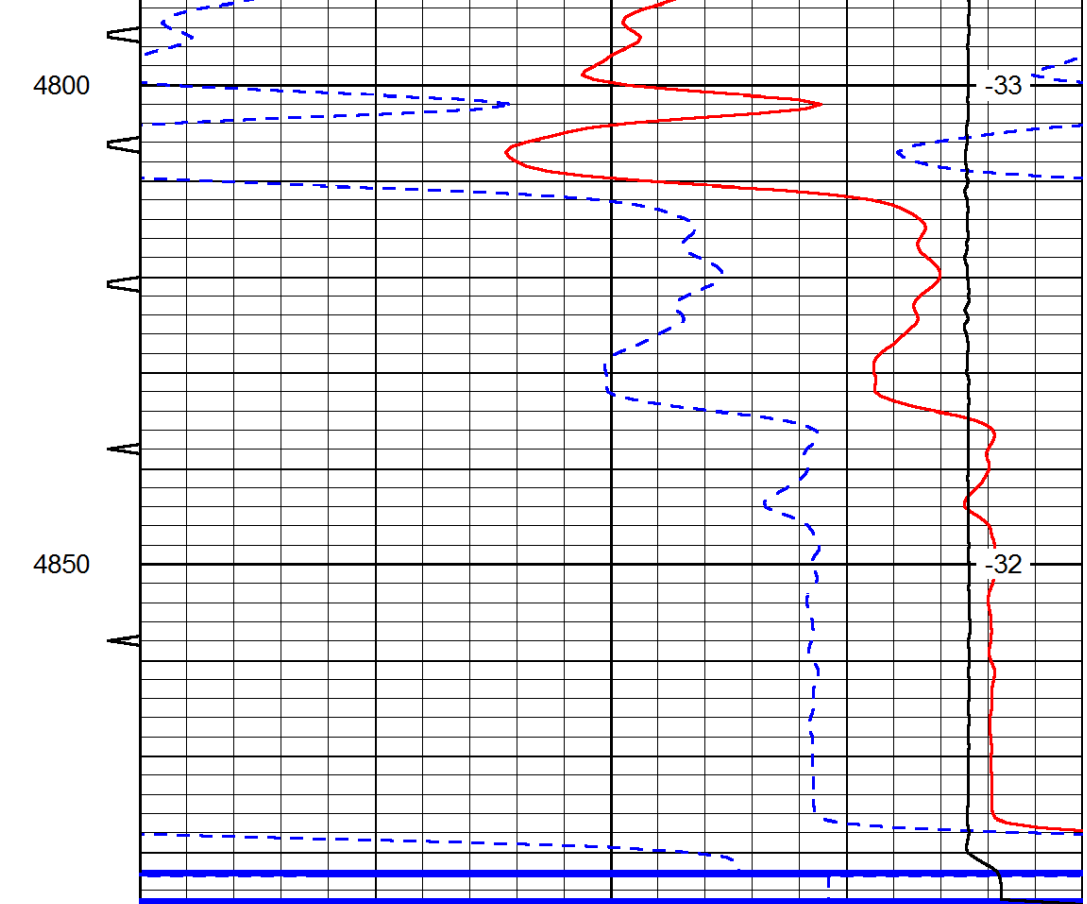








0	Gamma Ray	150
150	Gamma Ray	300
6	Caliper (GAPI)	16



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

LSPD