



Pioneer Energy Services

Borehole Compensated Sonic Log

15-153-20,978-00-00

API No.

Company **Murfin Drilling Company, Inc.**
Well **Burk Trust 'A' #3-23**
Field **East Fork**
County **Rawlins** State **Kansas**

Location

NW SW NW
1650' FNL & 330' FWL

Sec: 23

Twp: 1S

Rge: 36W

Other Services
CNL/CDL
MEL/DIL

Elevation 3243

Permanent Datum
Log Measured From
Drilling Measured From

Ground Level
Kelly Bushing
Kelly Bushing

11 Ft. Above Perm. Datum

Elevation
K.B. 3254
D.F.
G.L. 3243

Date

1/22/2014

Run Number

Two

Type Log

BHC Sonic

Depth Driller

4550

Depth Logger

4552

Bottom Logged Interval

4541

Top Logged Interval

250

Type Fluid In Hole

Chemical

Salinity, PPM CL

500

Density

9.2

Level

Full

Max. Rec. Temp. F

122

Operating Rig Time

5 Hours

Equipment -- Location

15 Days

Recorded By

D Kerr

Witnessed By

Wes Hansen

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

1

12.25

00

264

8.625

24#

00

264

2

7.875

264

4550

<<< 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.

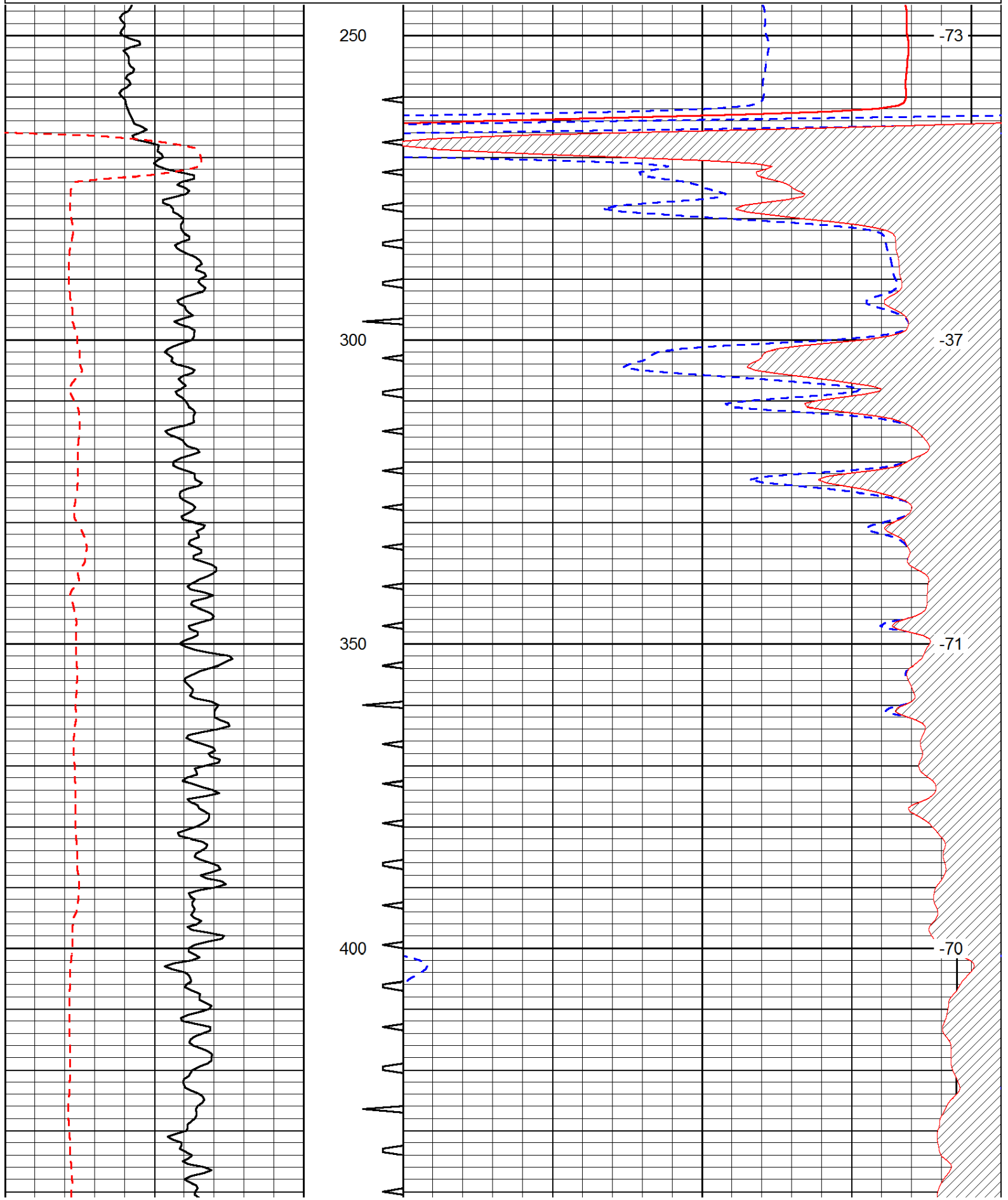
Comments

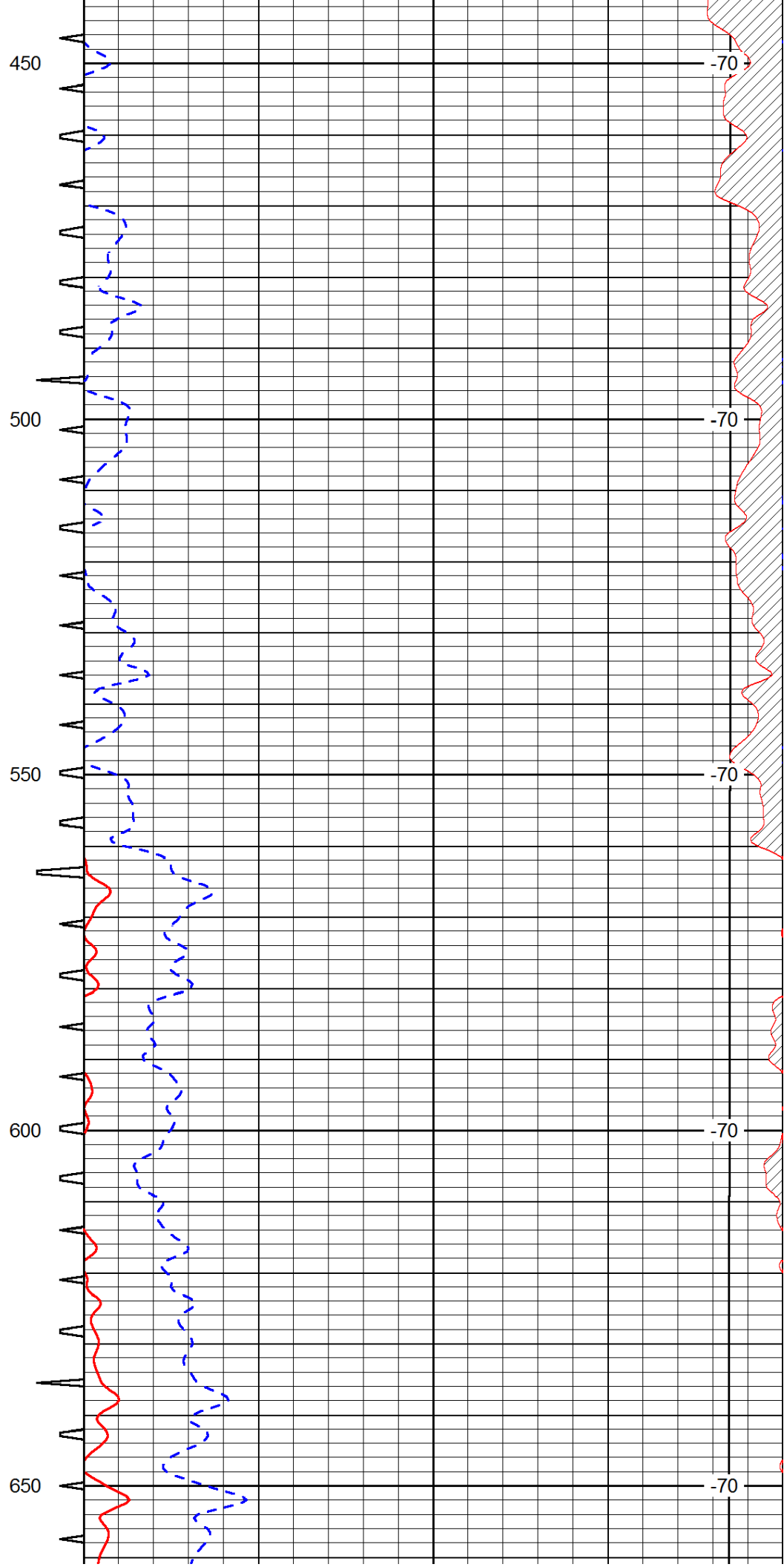
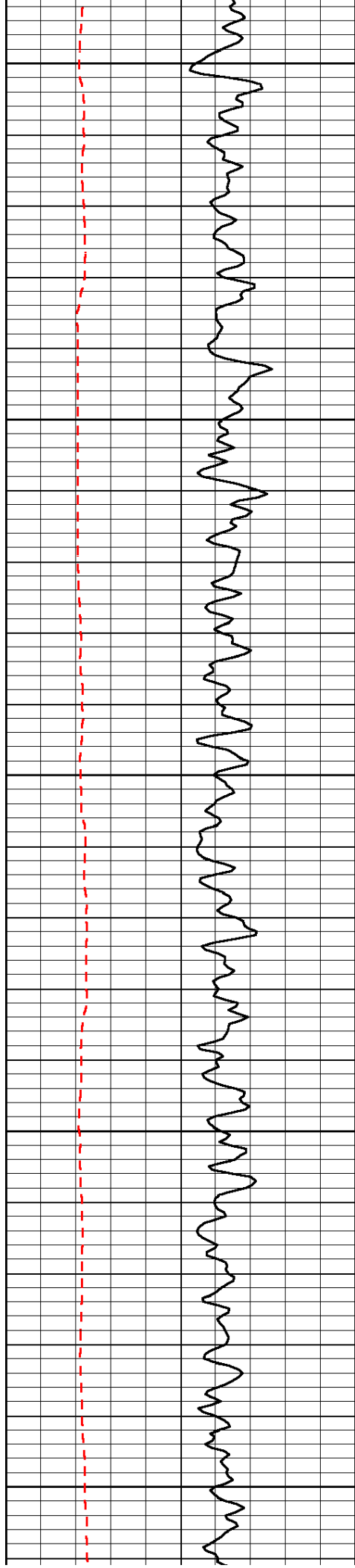
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

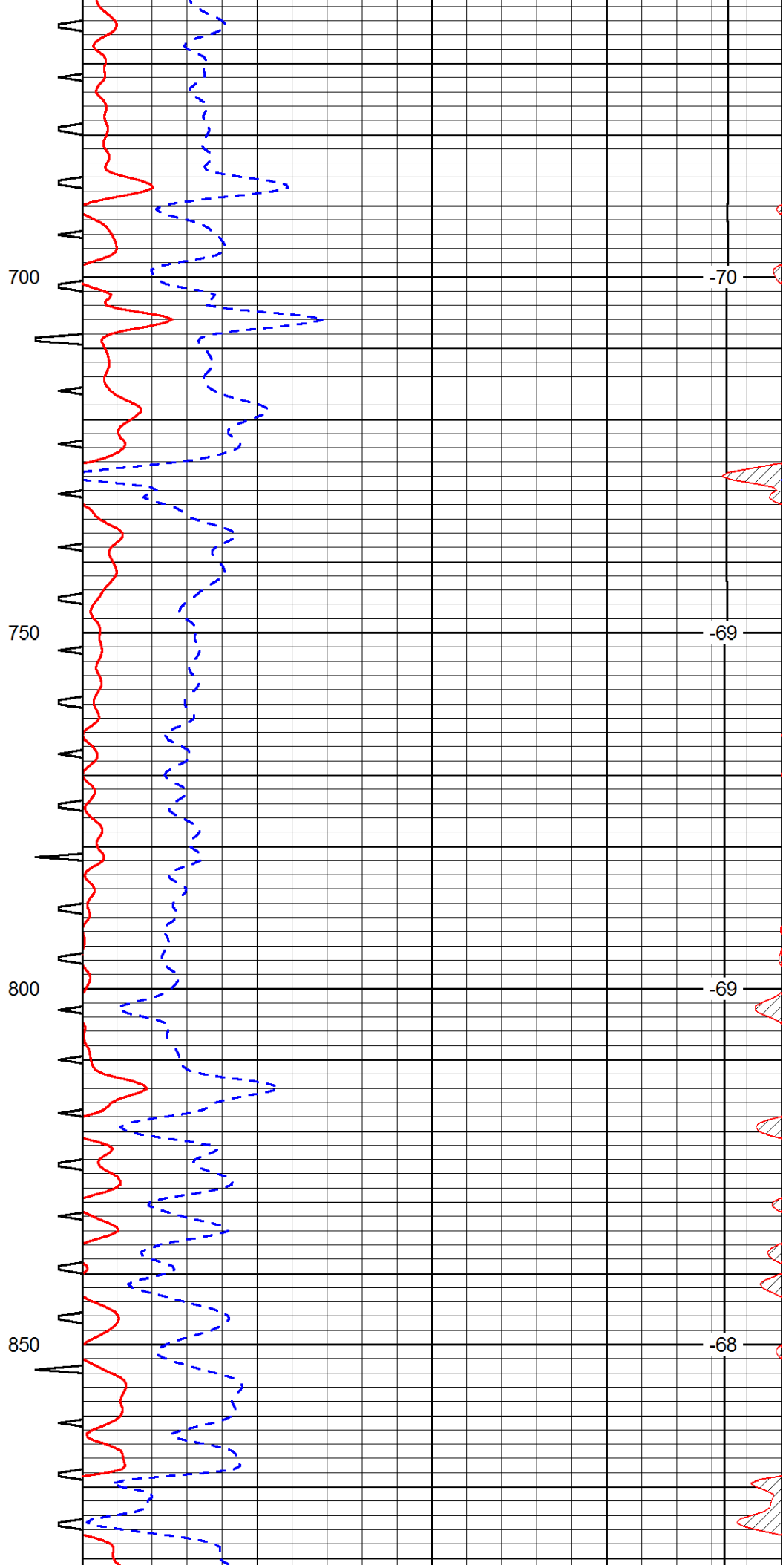
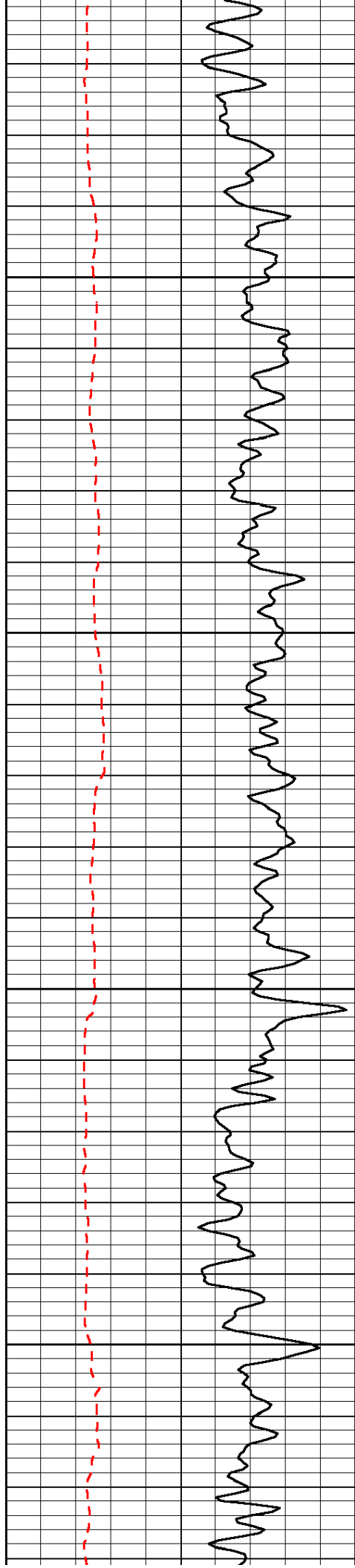
Beardsley KS, North to AA RD,
West to 5 1/2 RD, 1/2 North, West Into

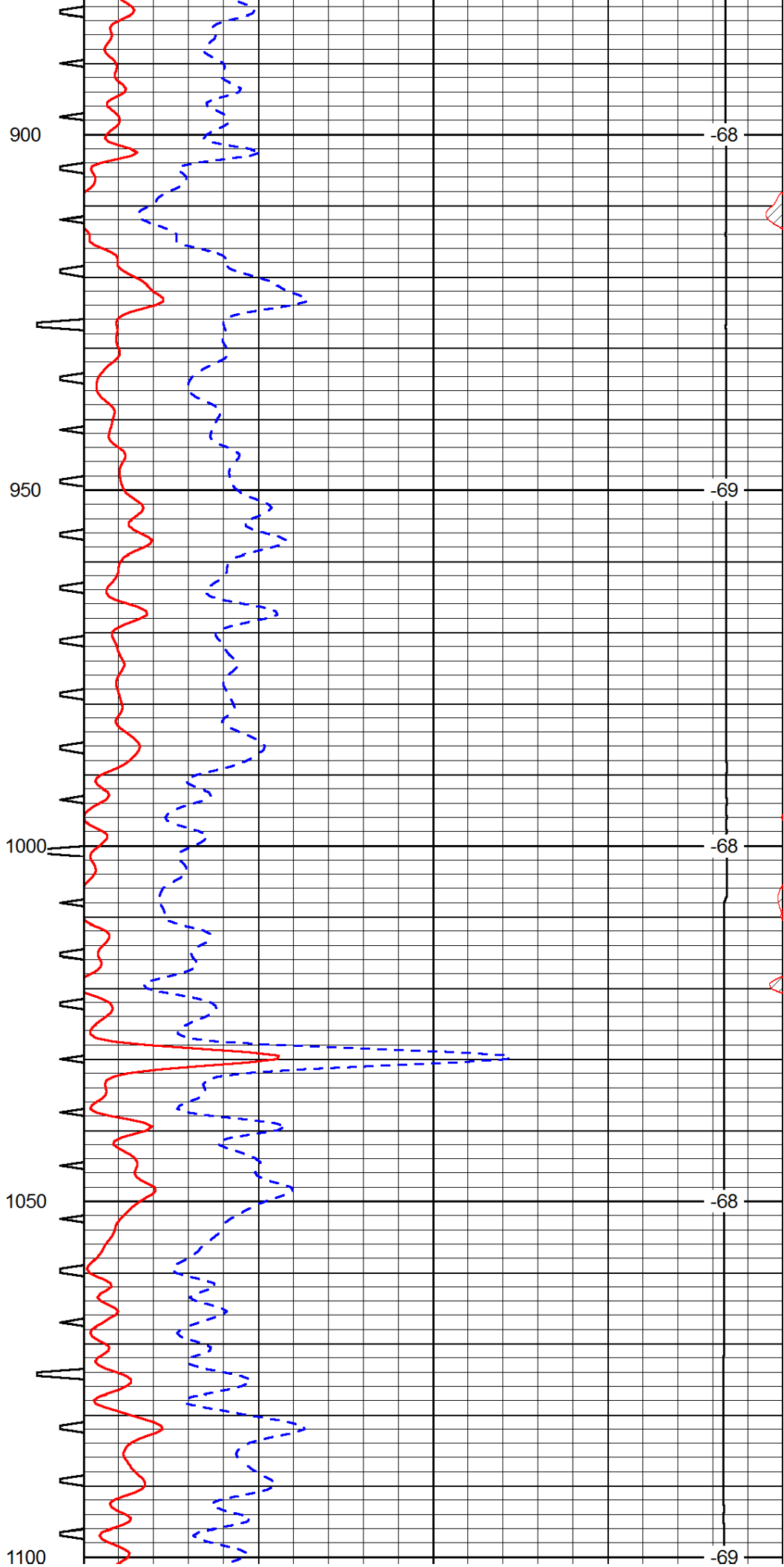
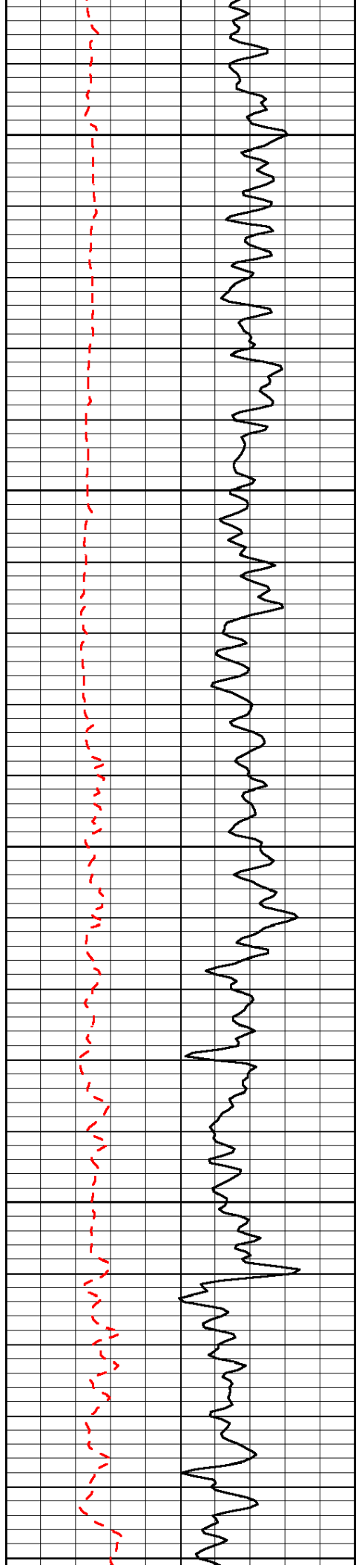
Database File: c:\warrior\data\murfin_burk trust 'a' #3-23\murfin_burktrust_a_3_23hd.db
Dataset Pathname: DIL\murfstk
Presentation Format: sonic
Dataset Creation: Wed Jan 22 02:22:26 2014
Charted by: Depth in Feet scaled 1:240

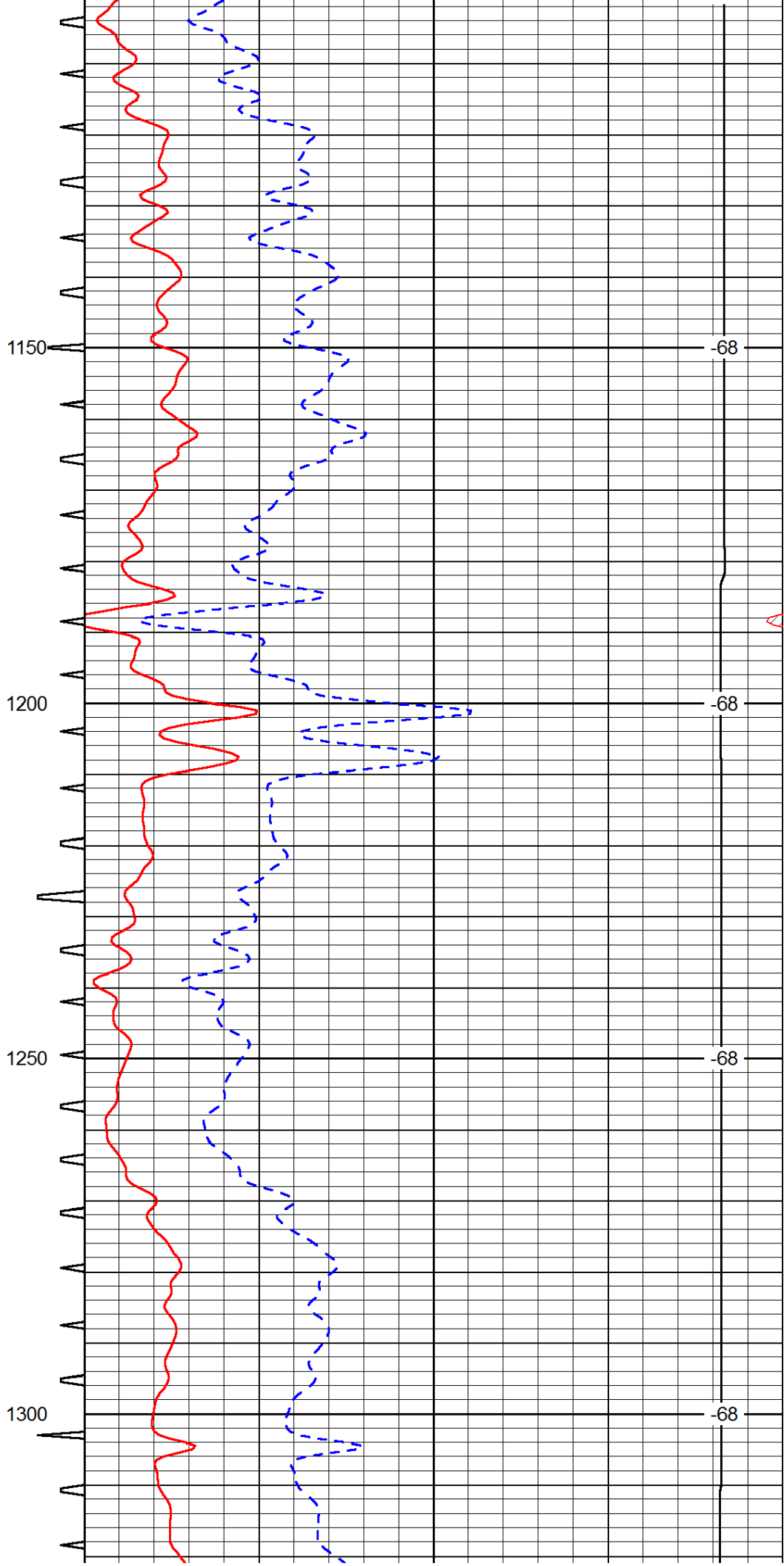
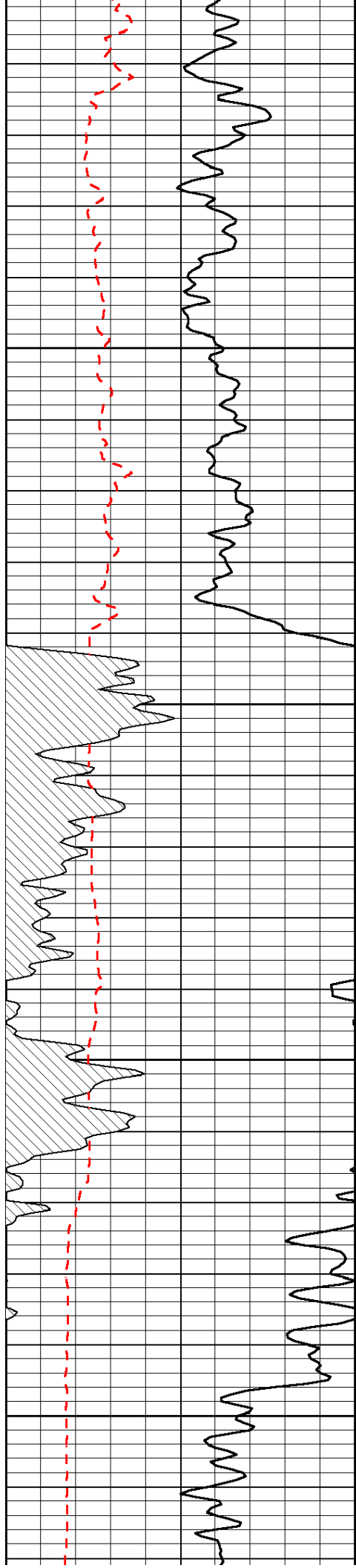
Charted by:			Depth in Feet scaled 1:2.15			
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40
150	Gamma Ray	300		30	SPOR	-10
6	Caliper (GAPI)	16		15000	LTEN (lb)	0
					LSPD	

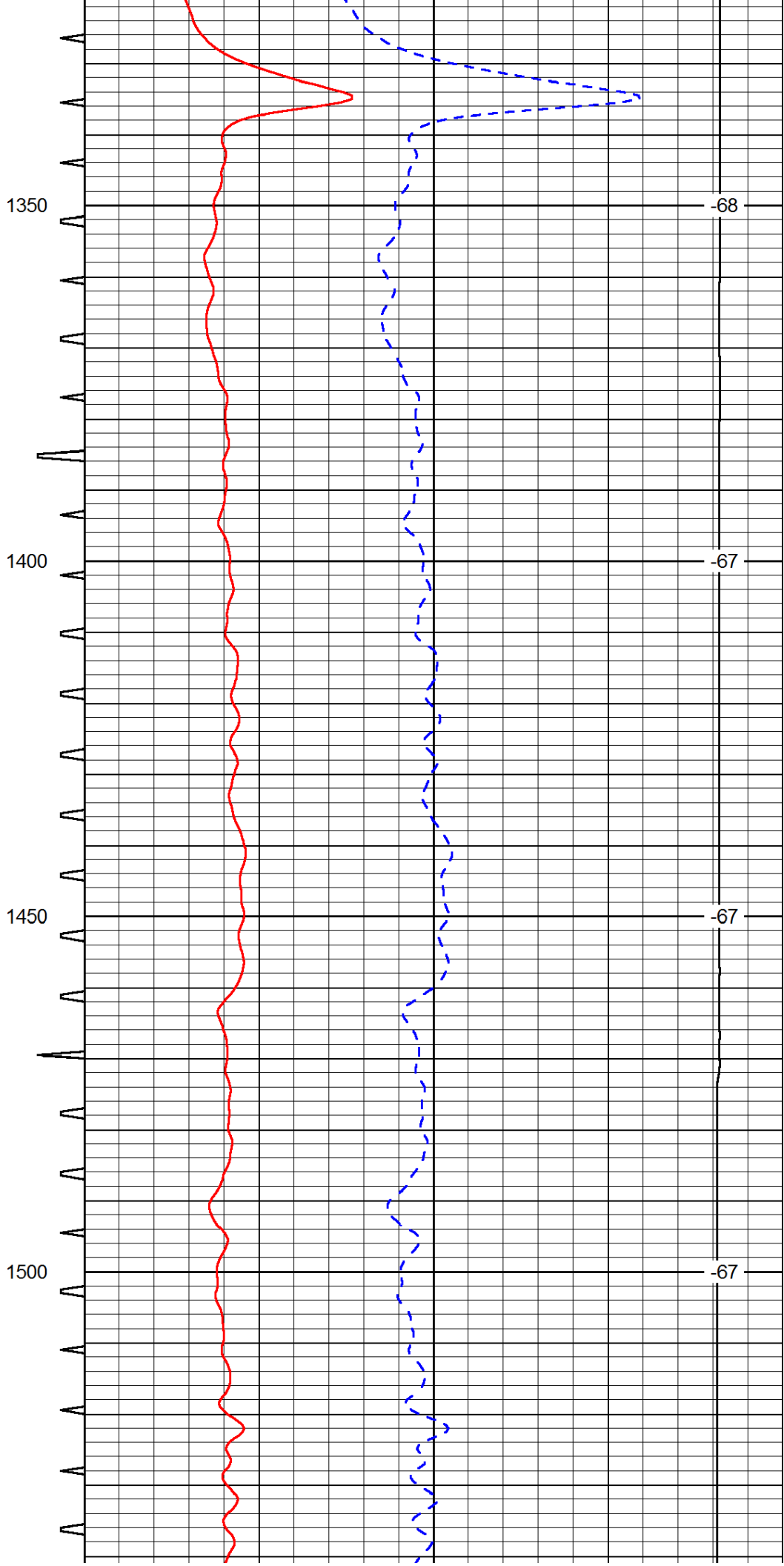
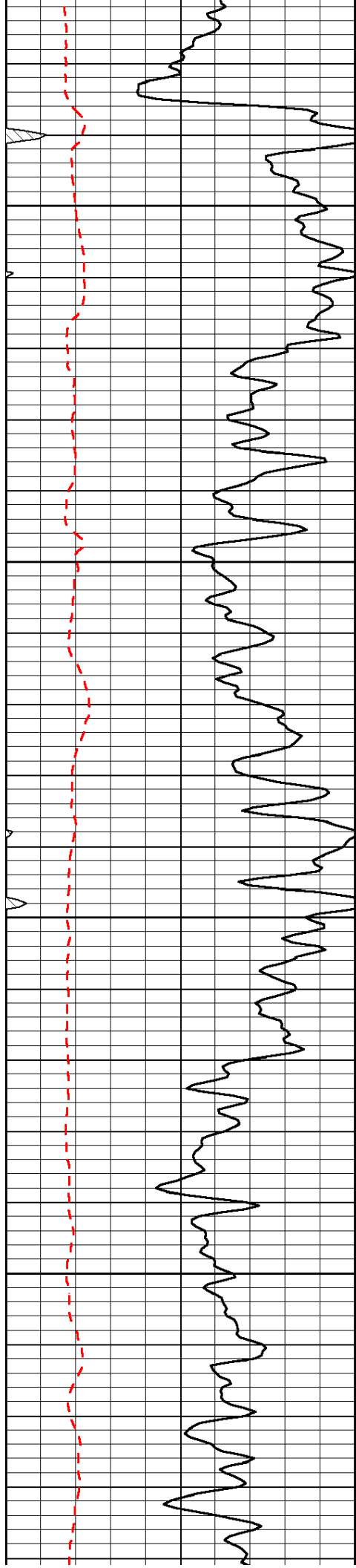


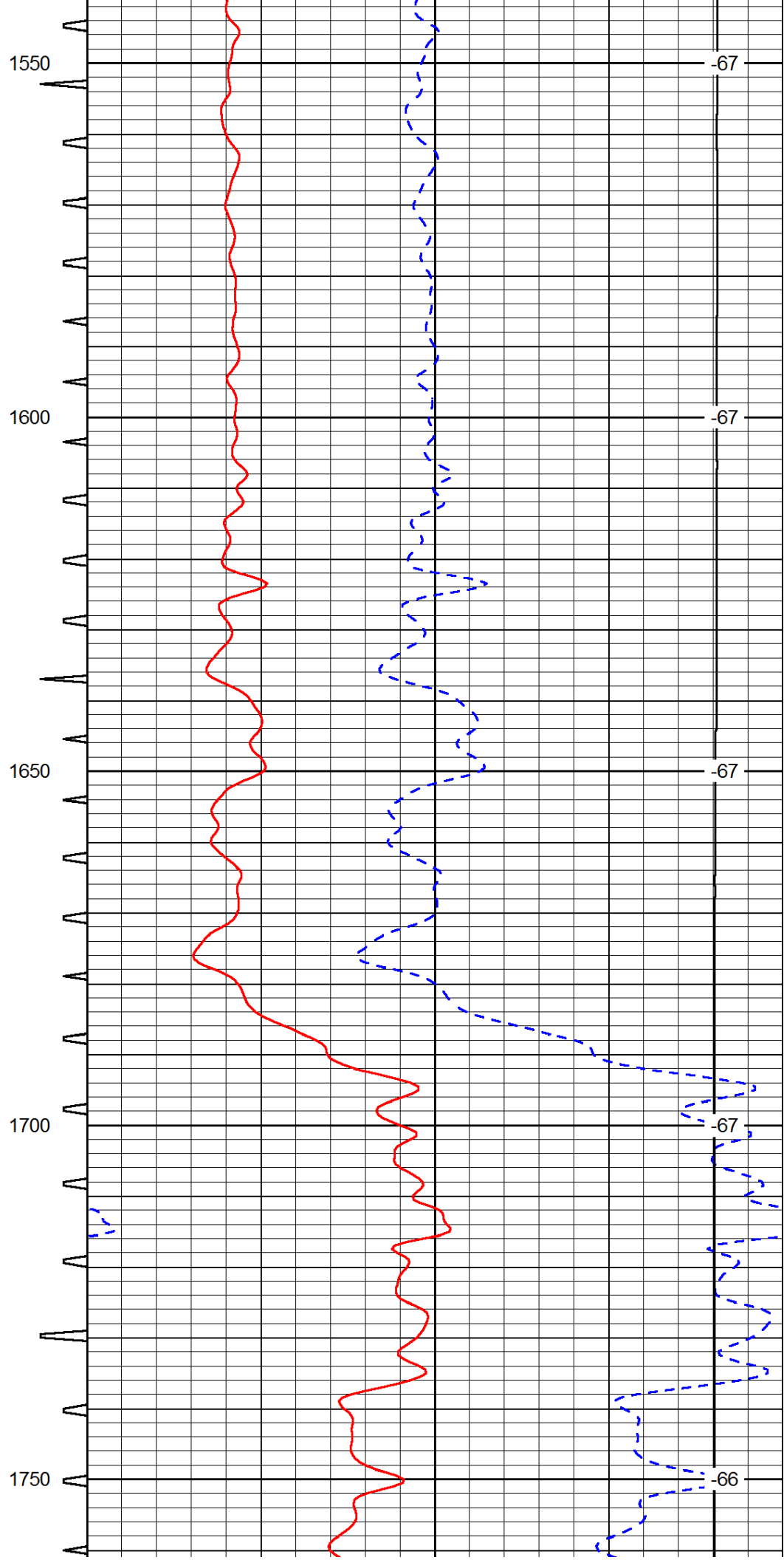
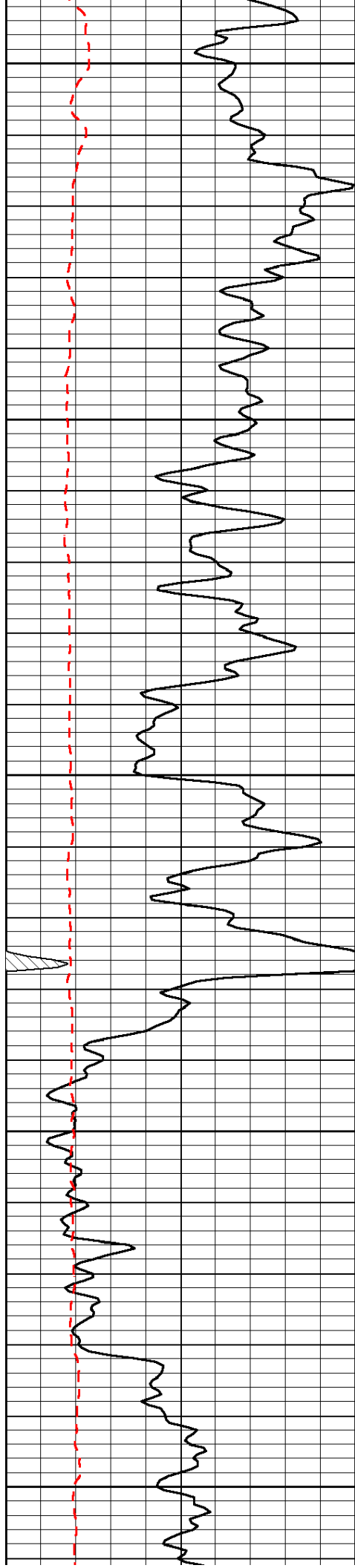


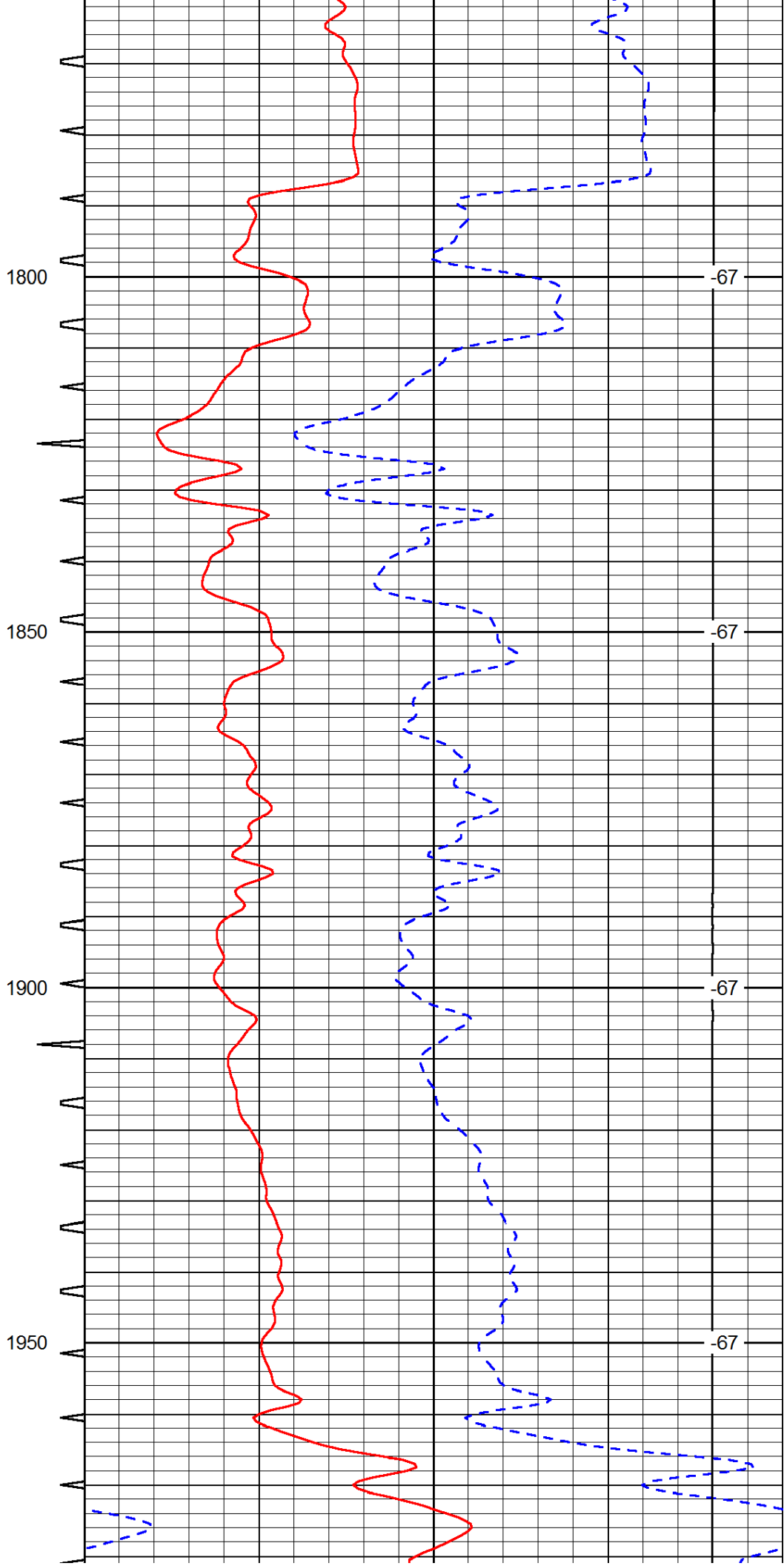
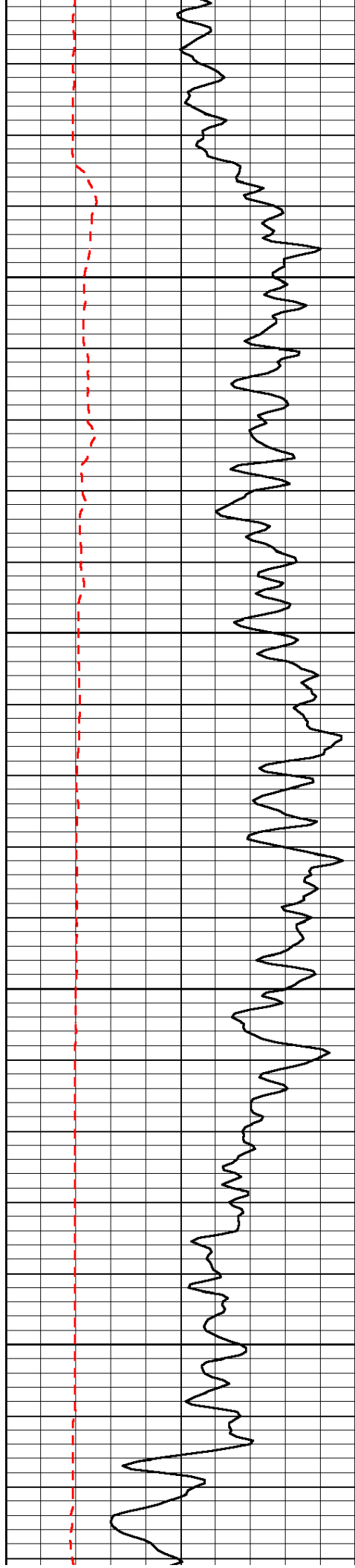


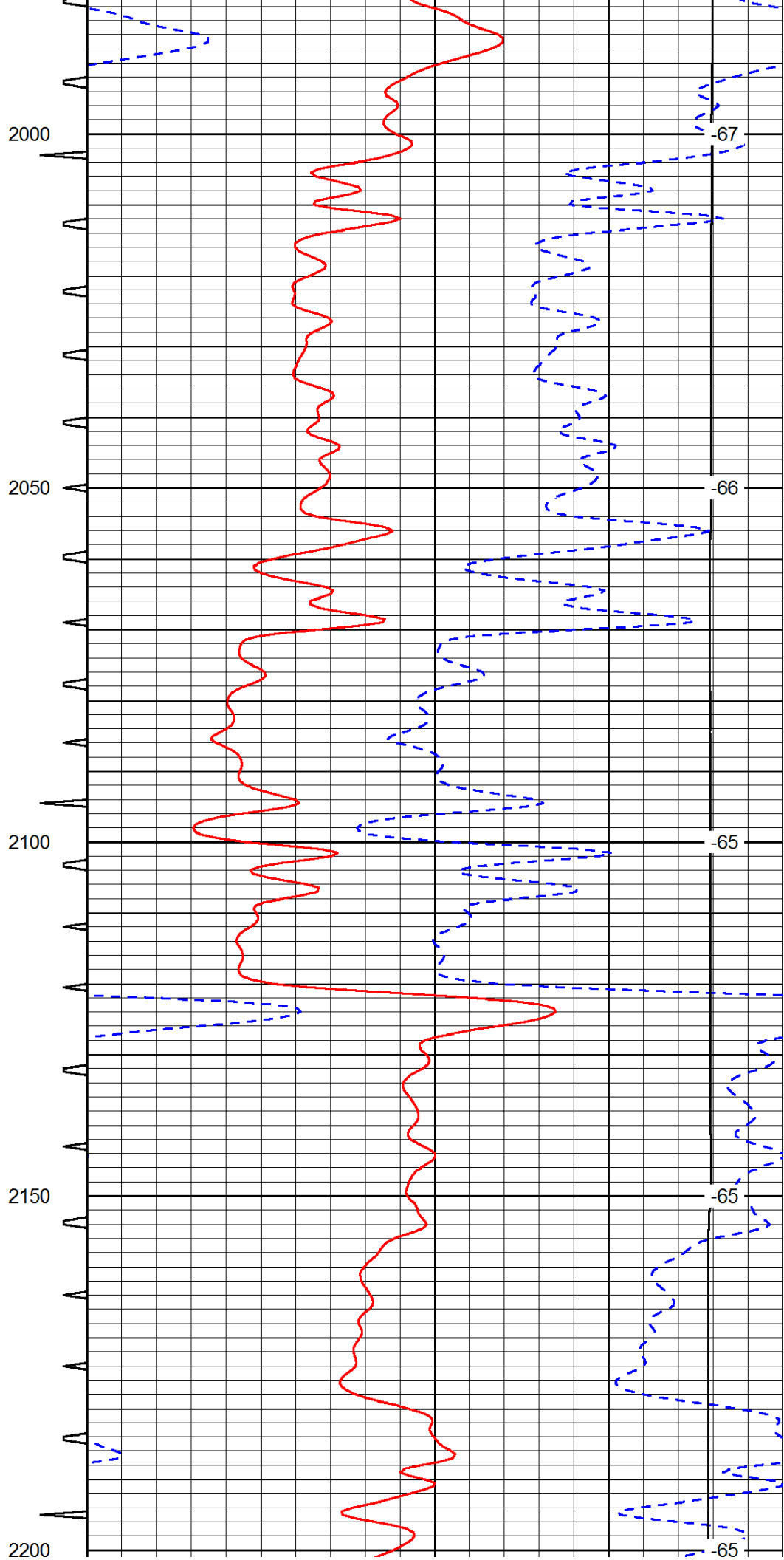
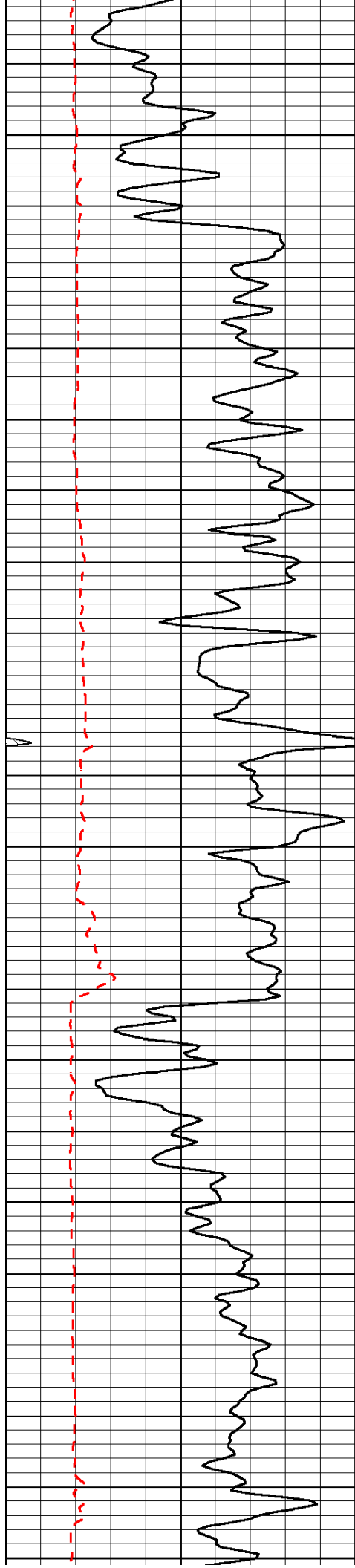


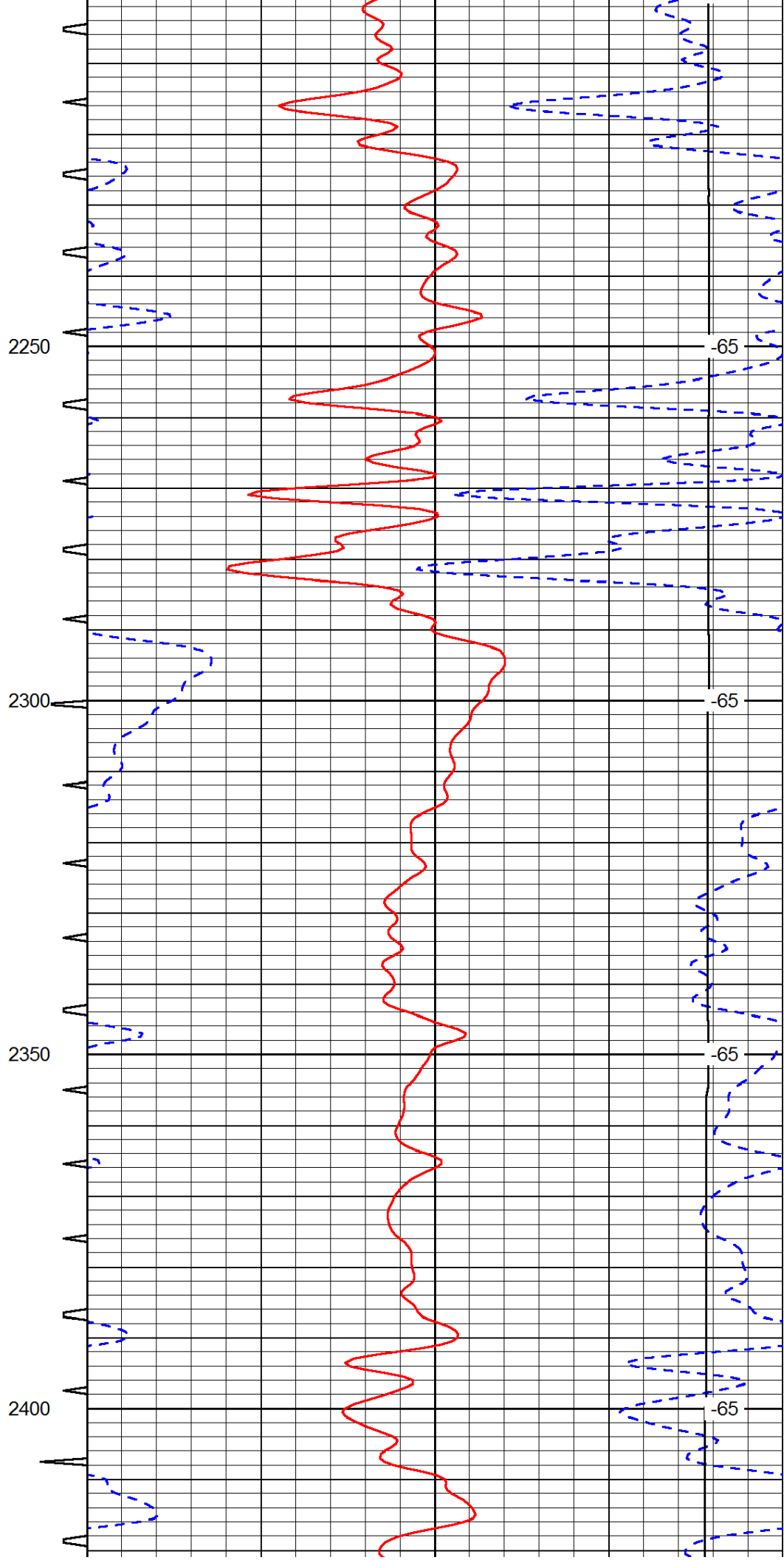
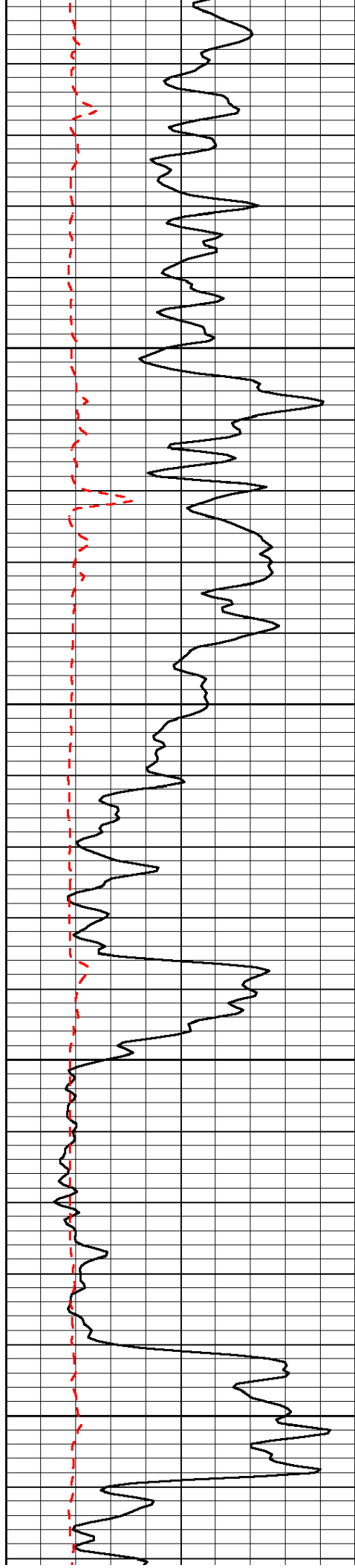


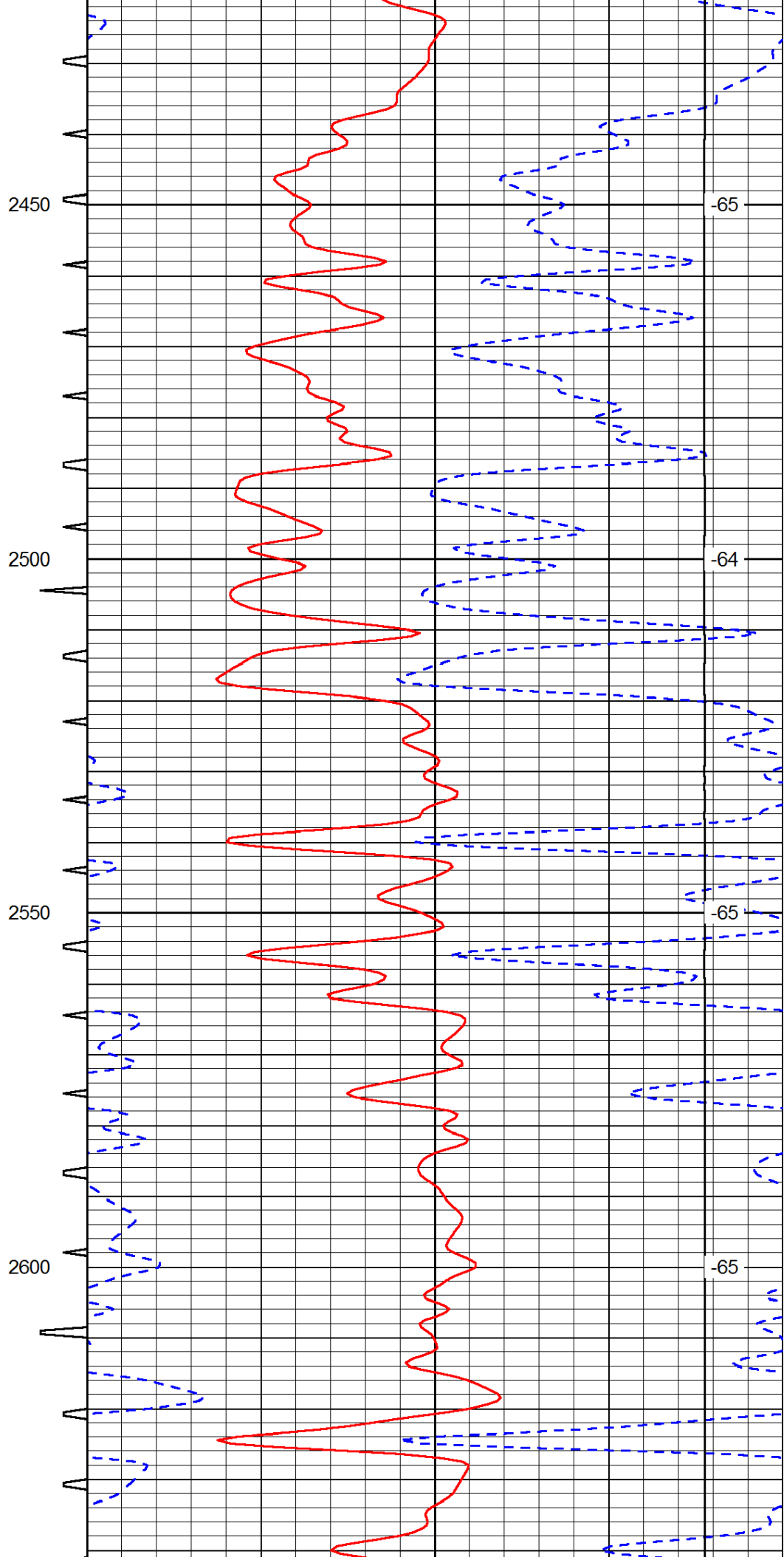
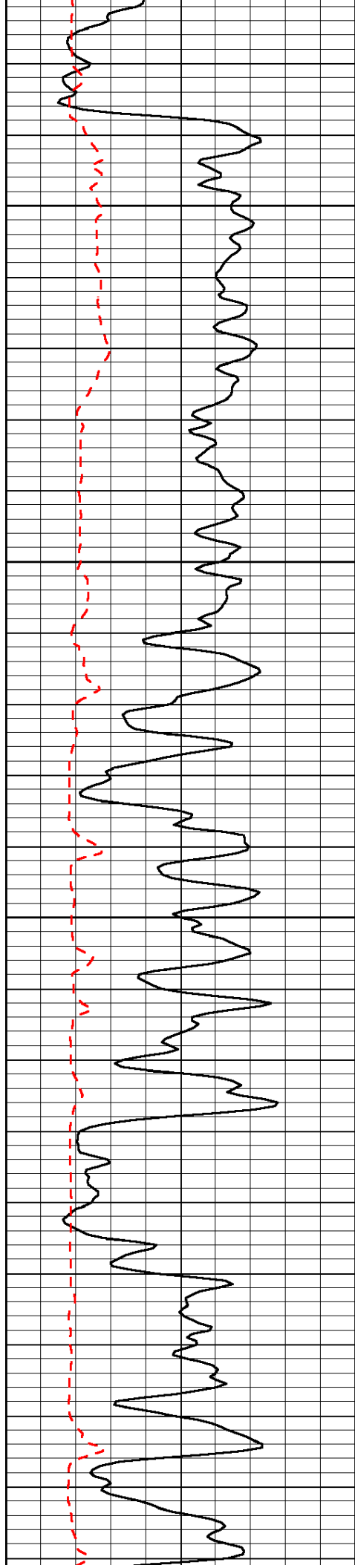


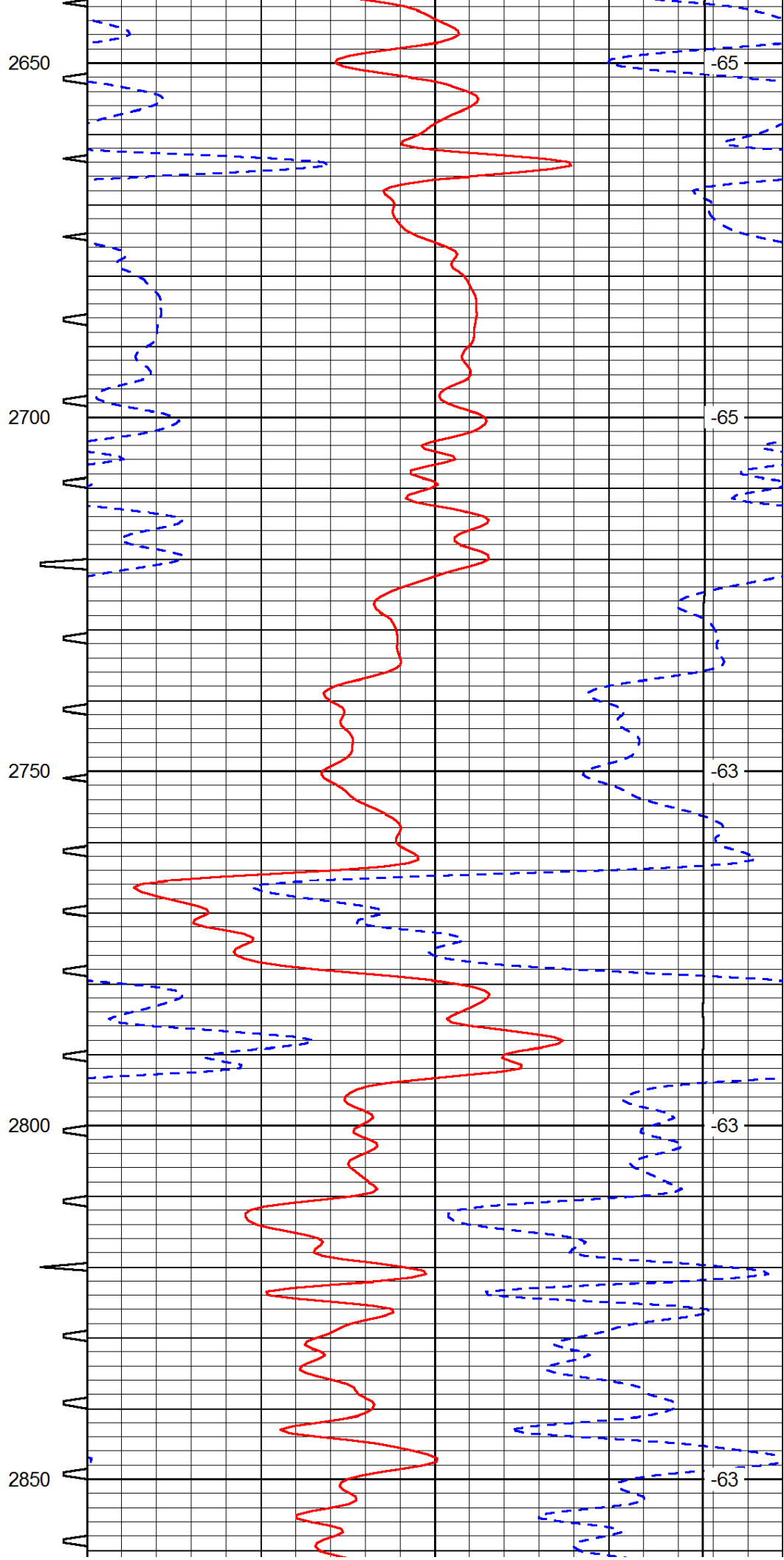
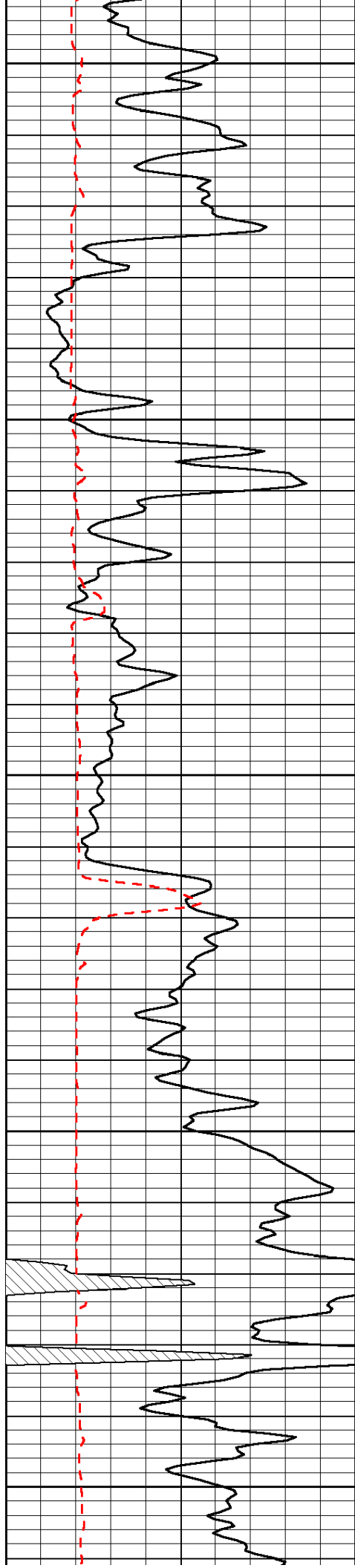


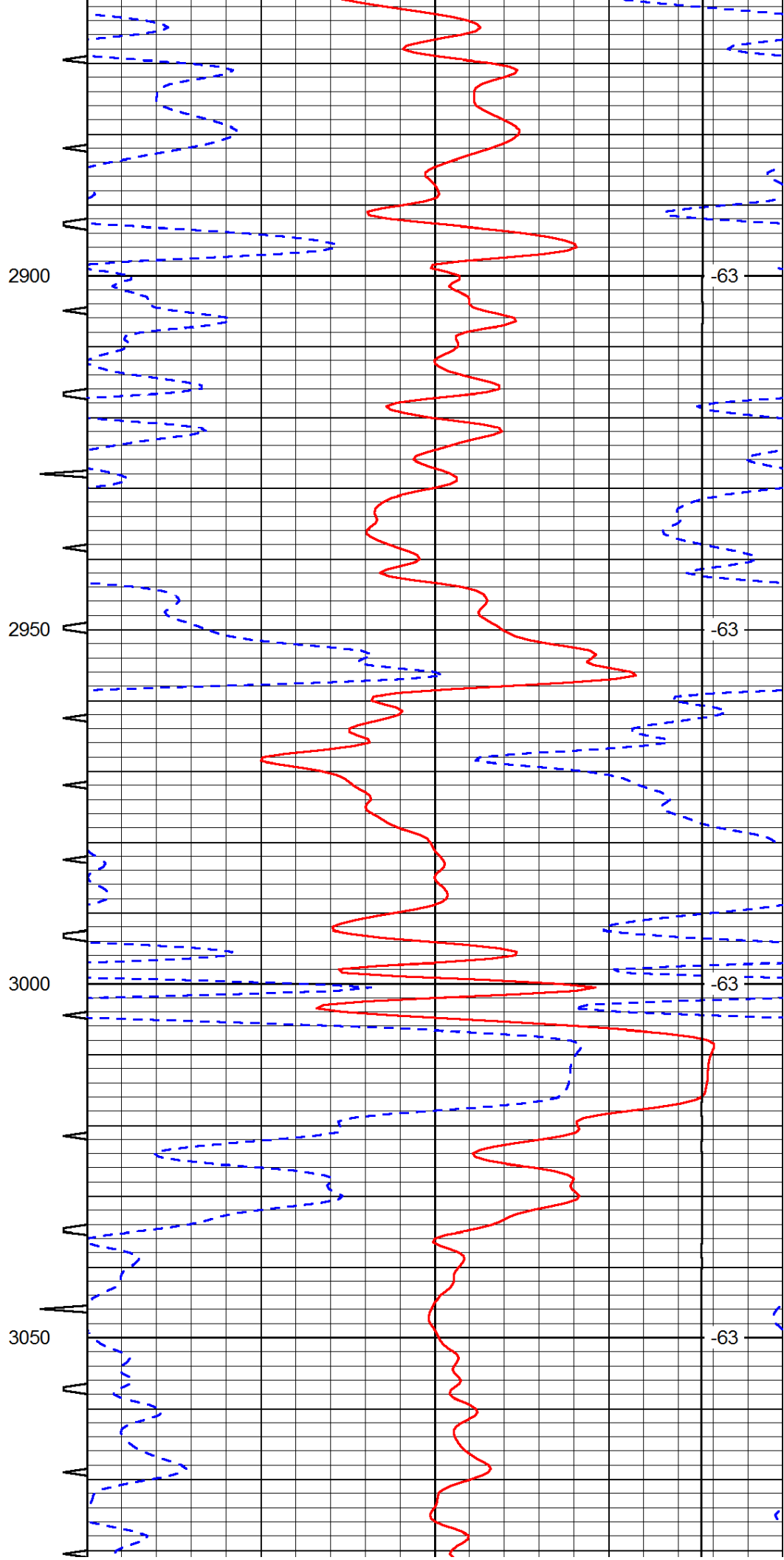
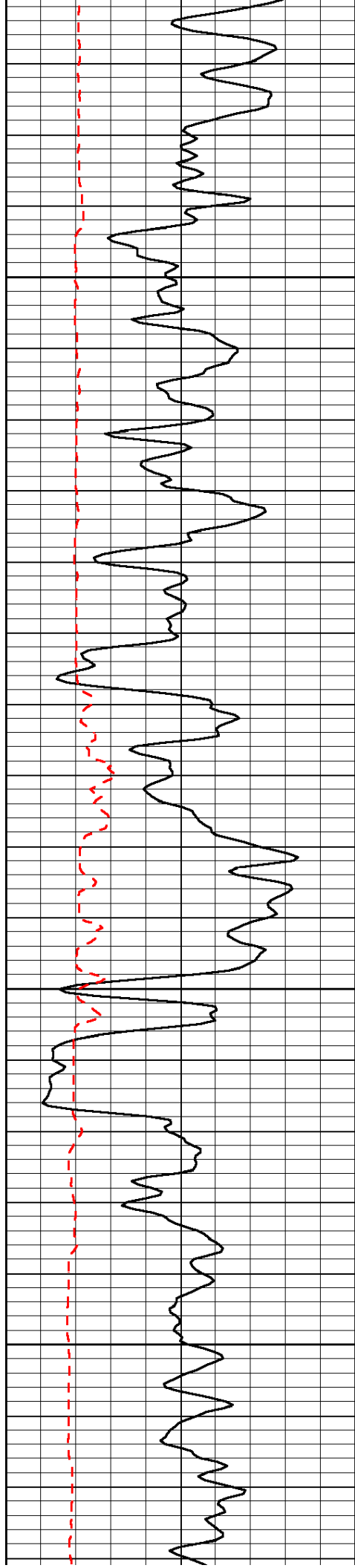


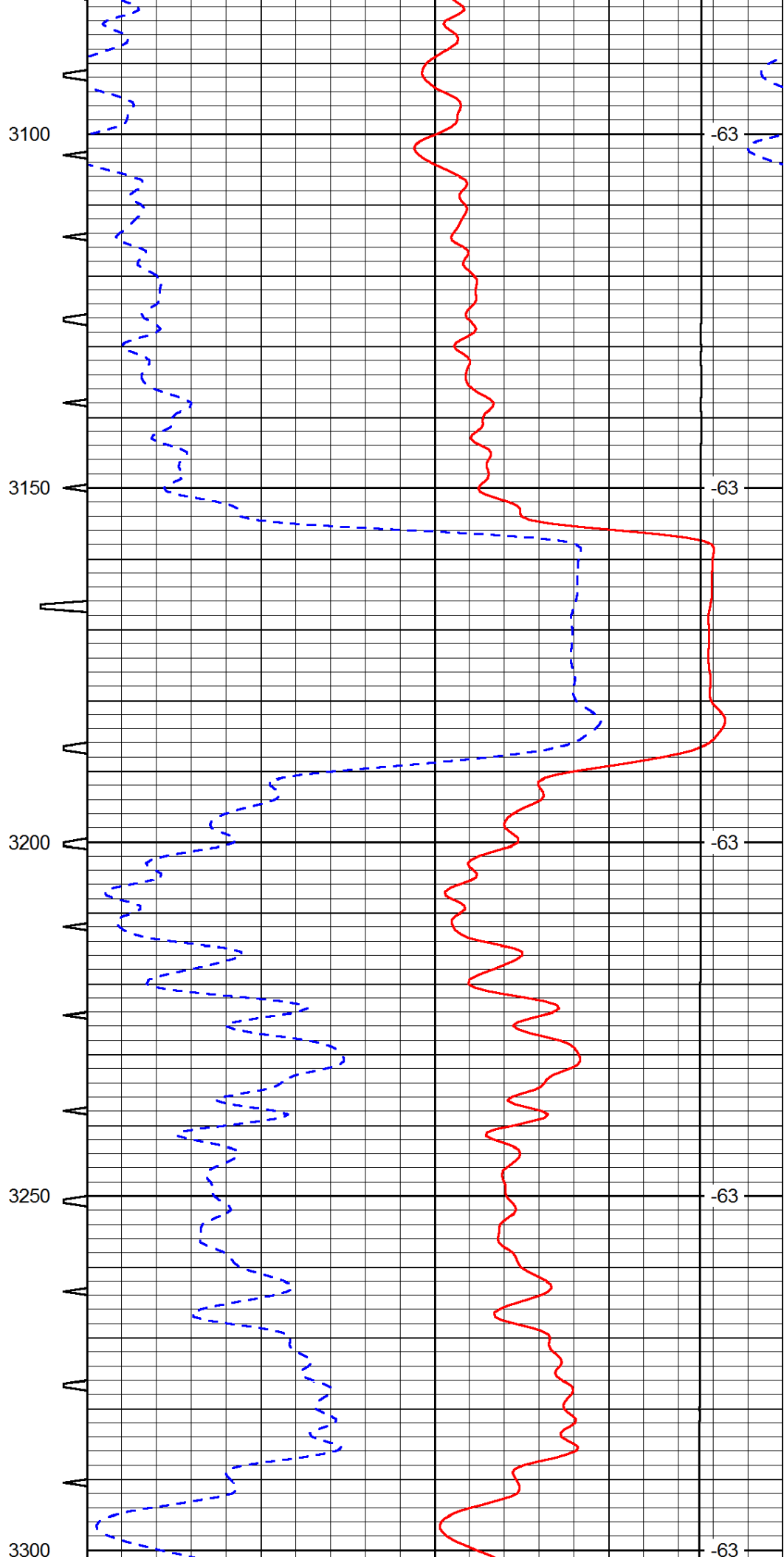
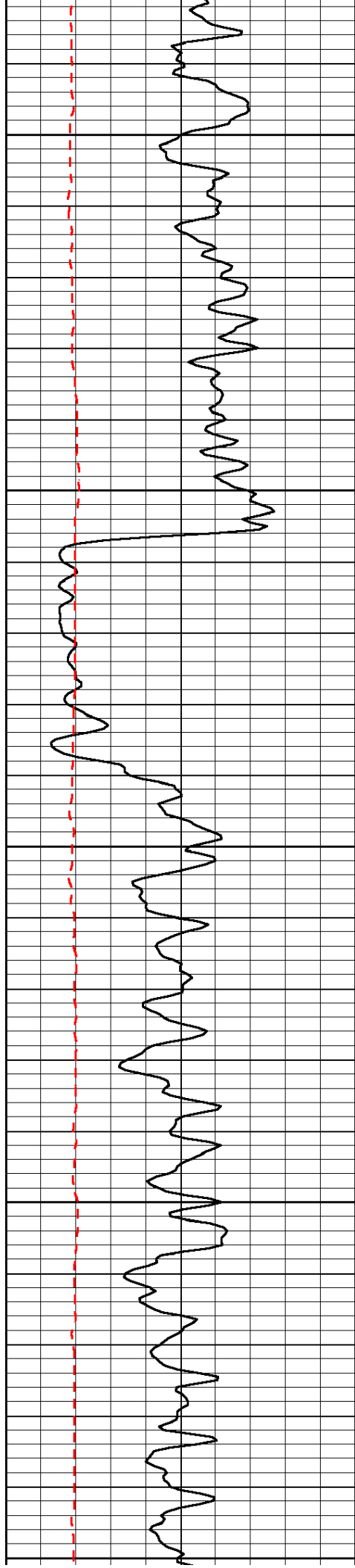


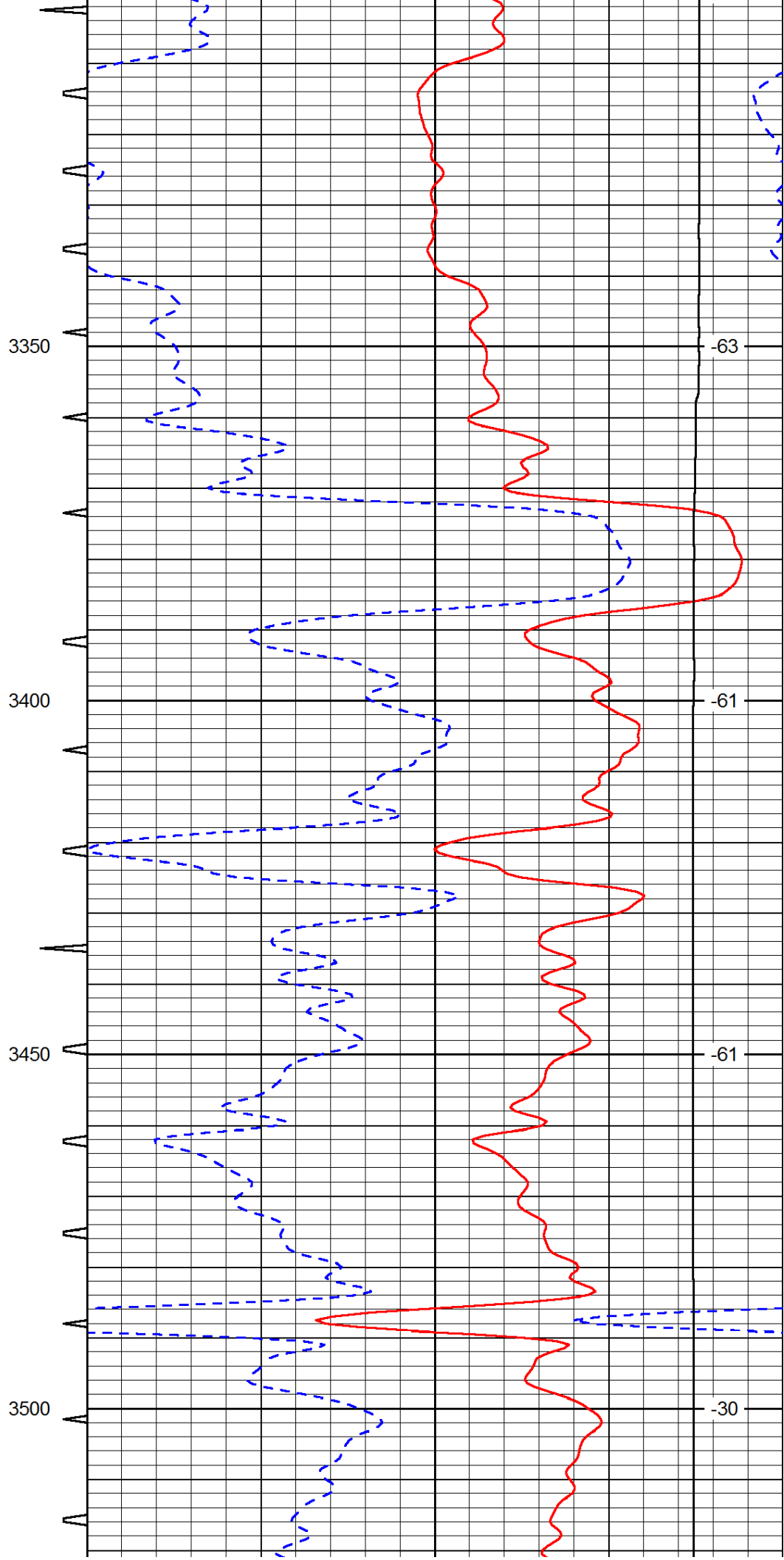
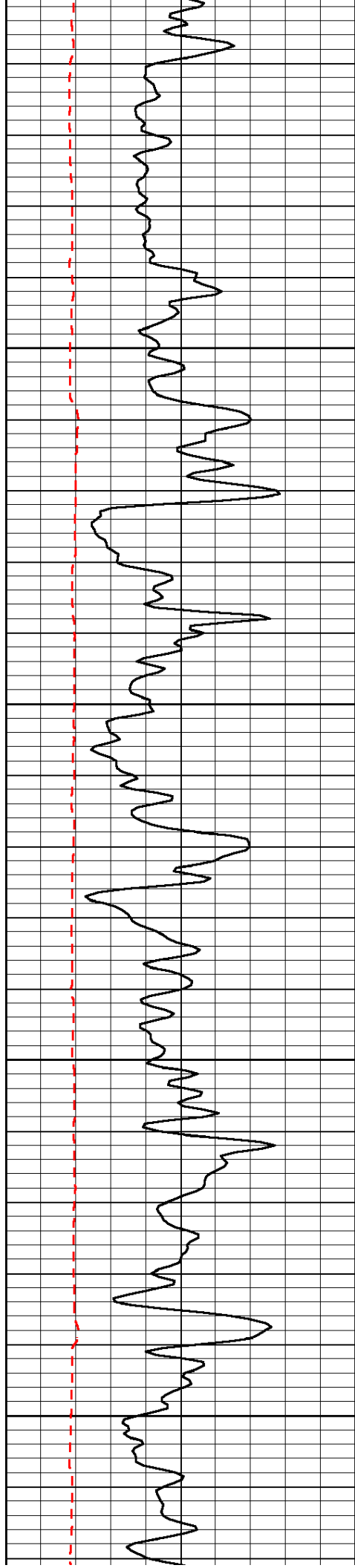


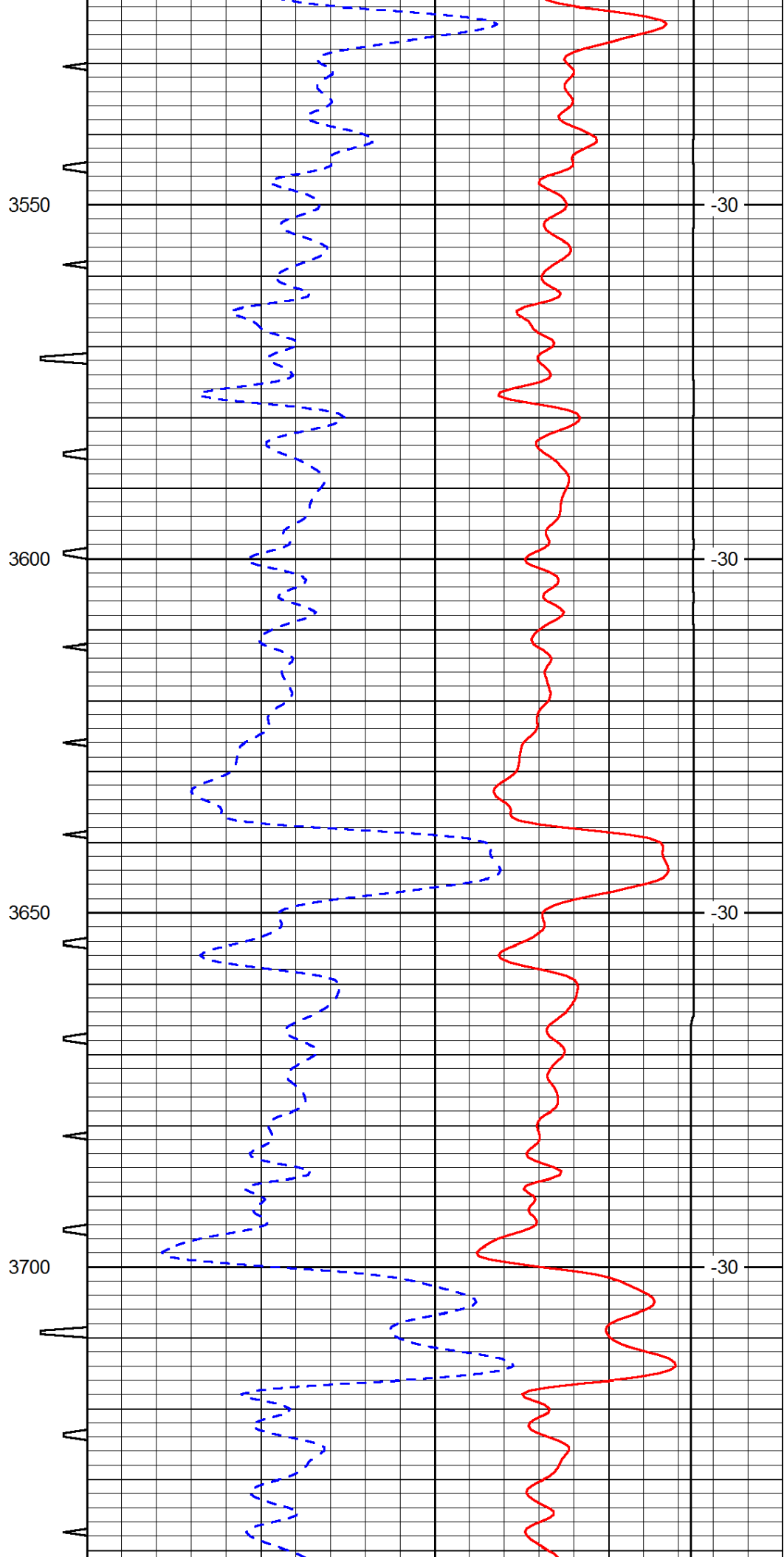
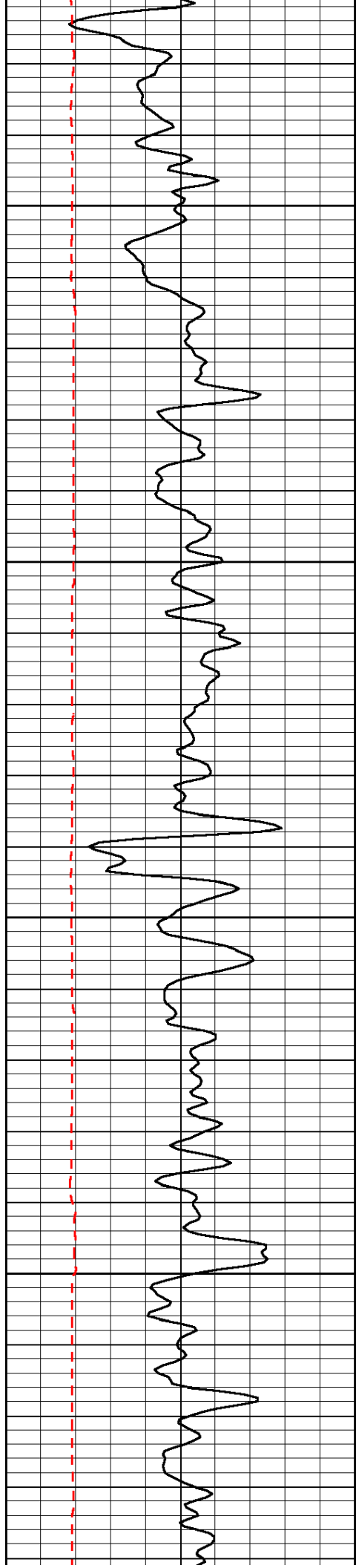


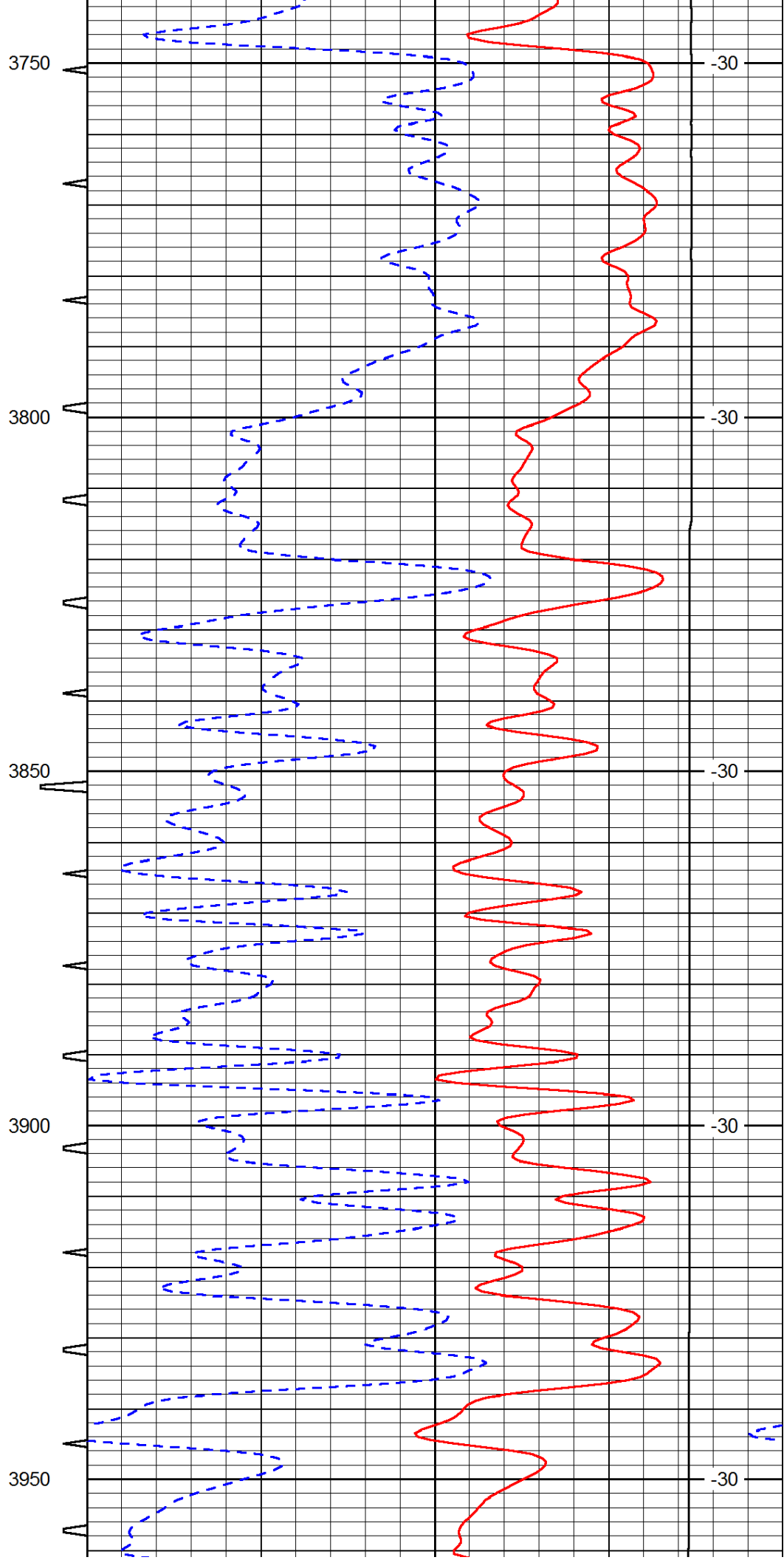
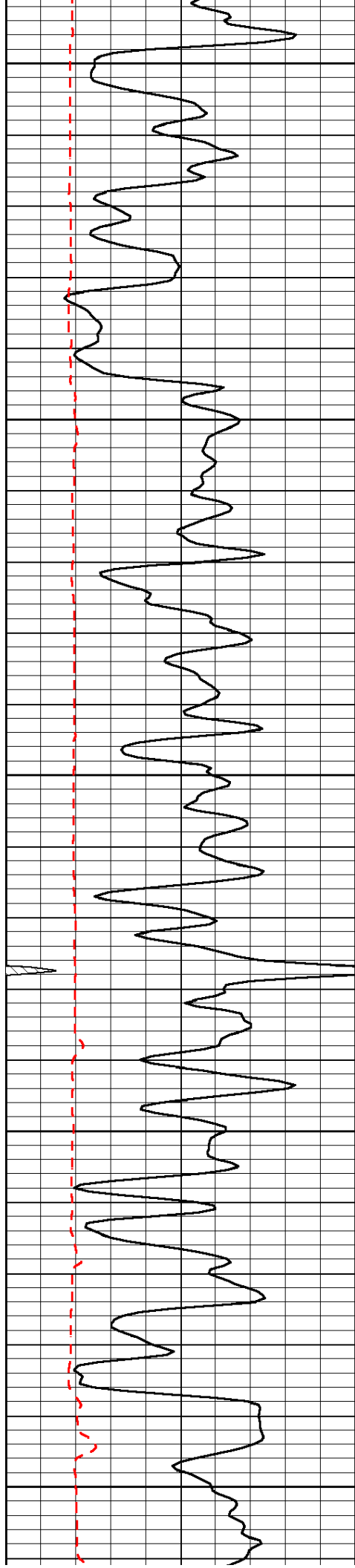


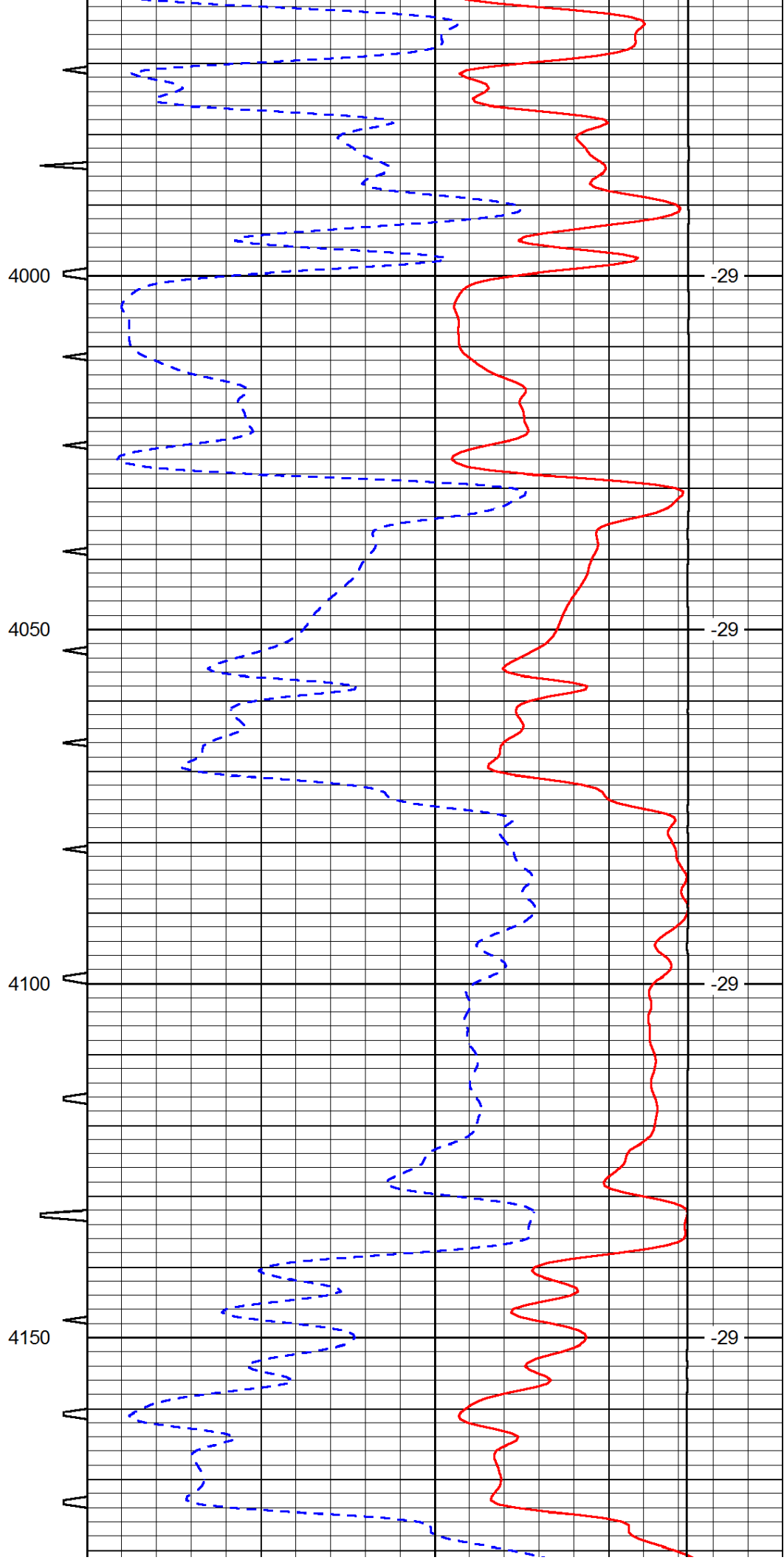
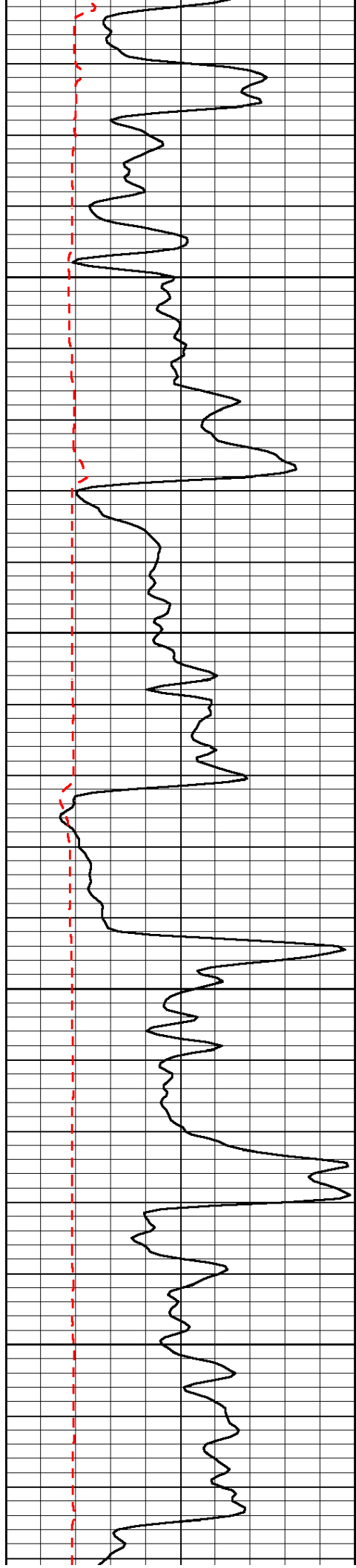


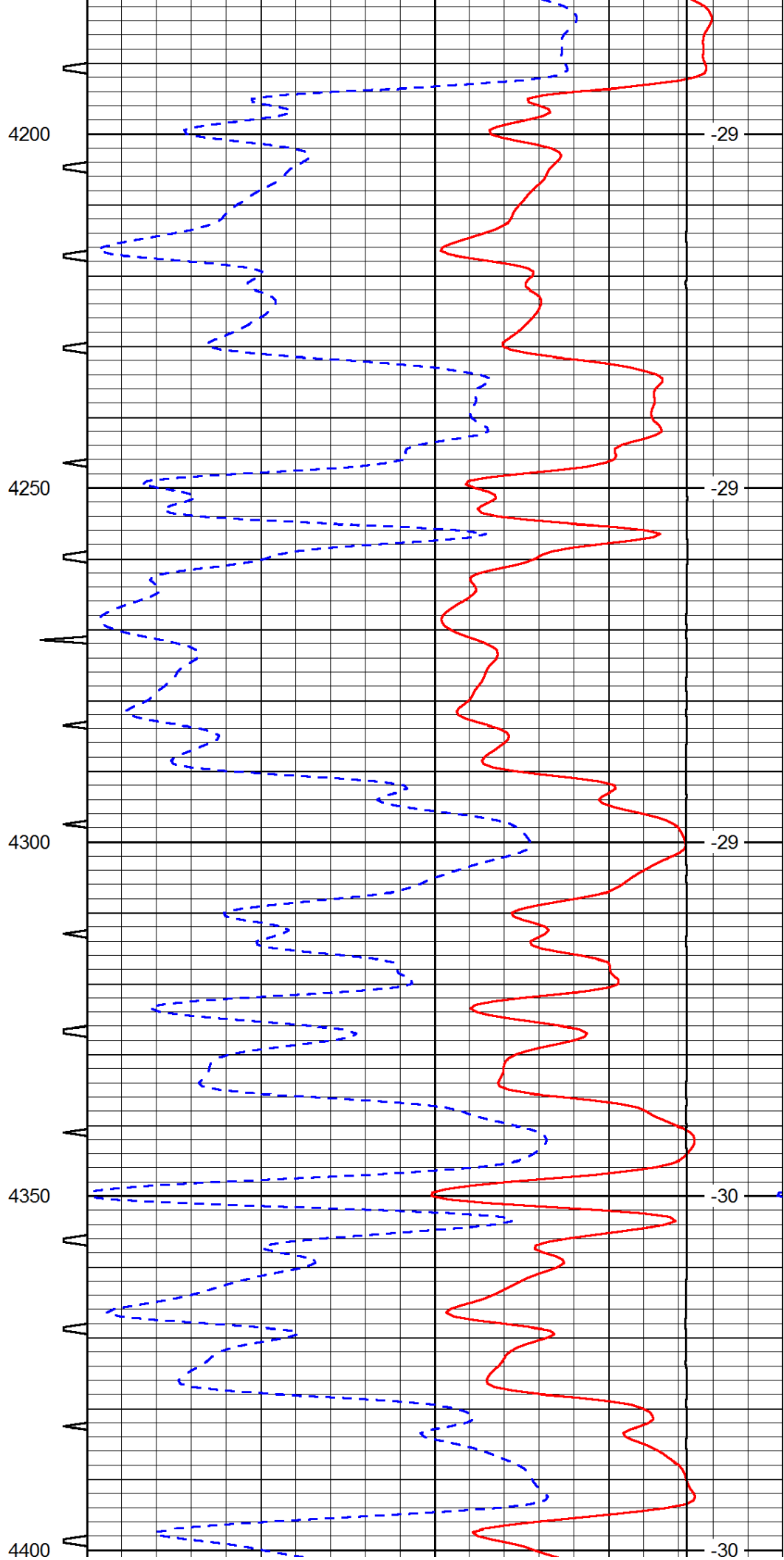
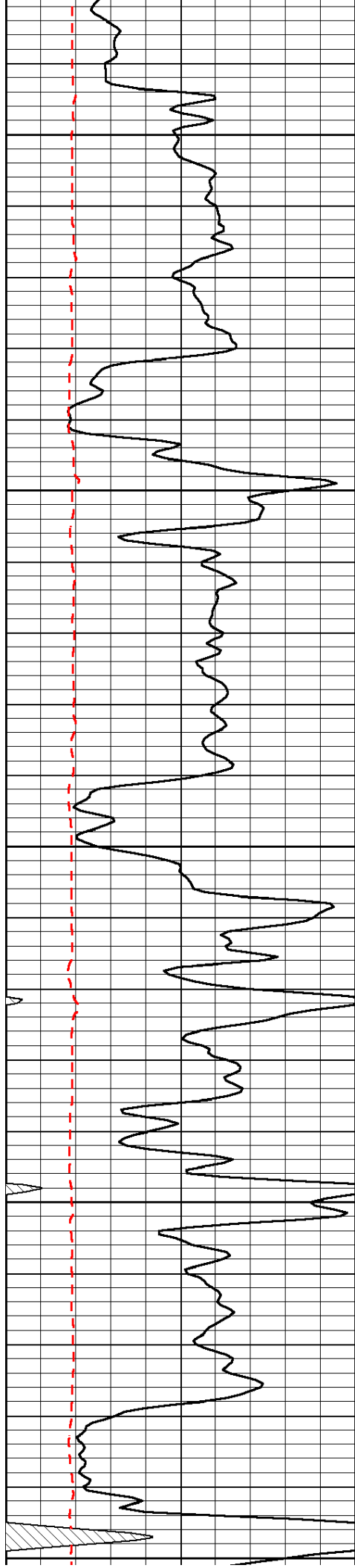


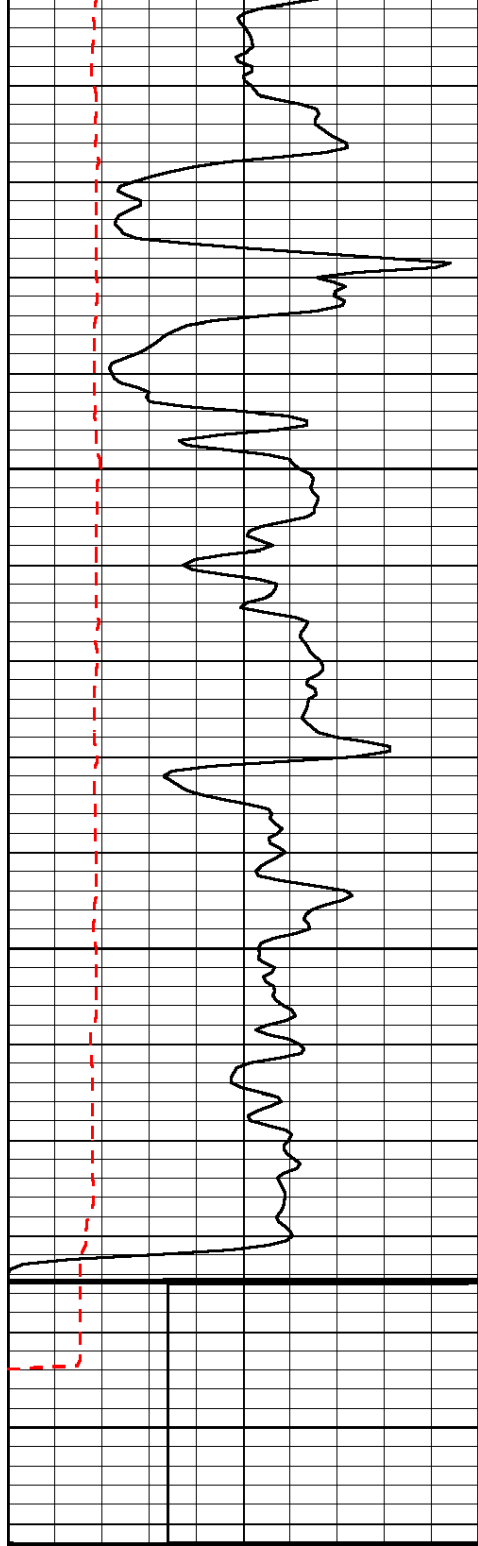




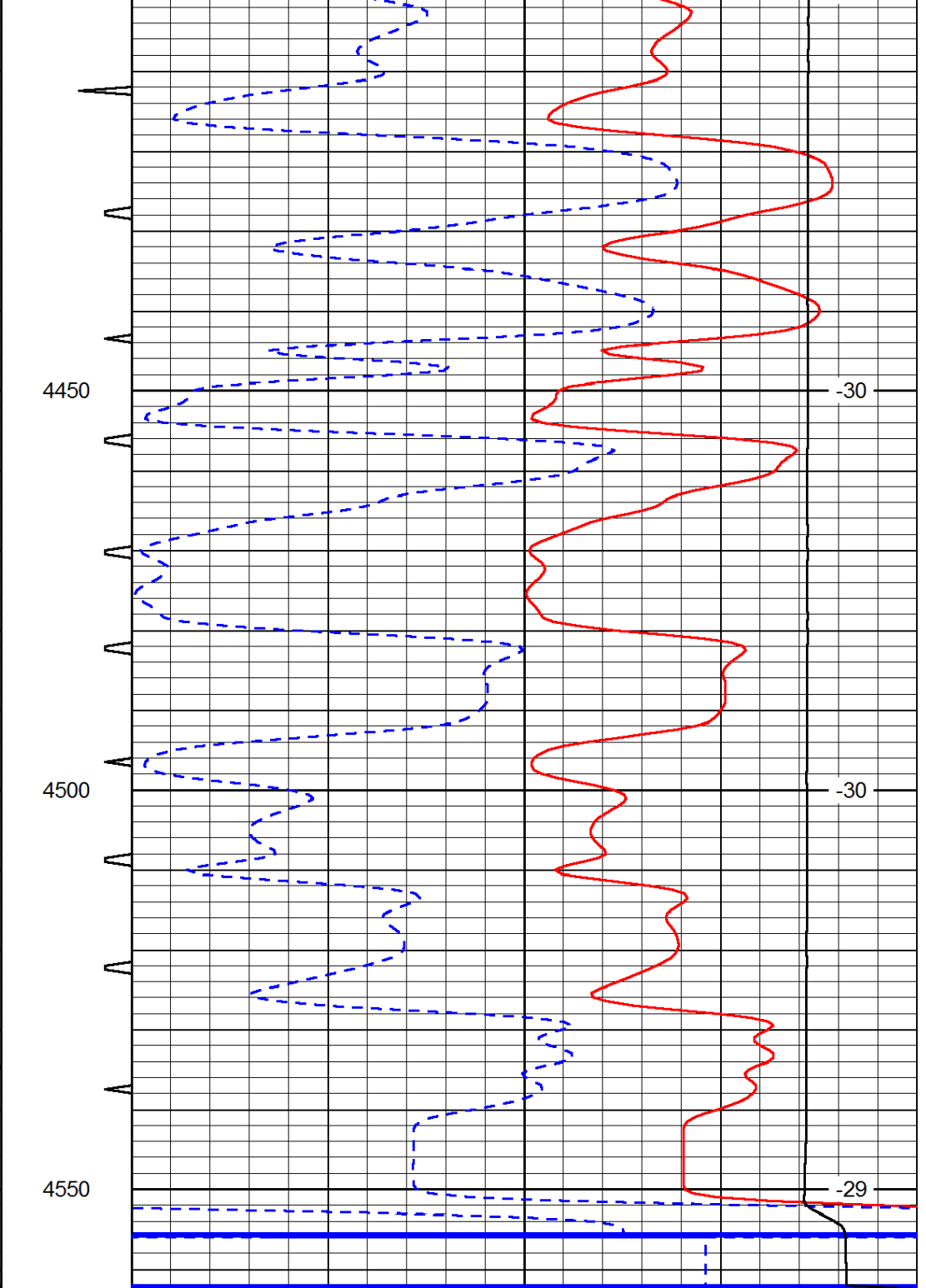








0	Gamma Ray	150
150	Gamma Ray	300
6	Caliper (GAPI)	16



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

LSPD