



Pioneer Energy Services

Borehole Compensated Sonic Log

API No.

15-009-25,962-00-00

Company **K&N Petroleum, Inc.**

Well **Tony Klepper #4-1**

Field

County **Barton**

State **Kansas**

Location

NW SW SE SE
558' FSL & 1,215' FEL

Other Services
CNL/CDL
MEL/DIL

Sec: 4

Twp: 19S

Rge: 11W

Elevation

Permanent Datum

Ground Level
Log Measured From
Kelly Bushing

Elevation 1790
7 Ft. Above Perm. Datum

K.B. 1797
D.F.
G.L. 1790

Drilling Measured From
Kelly Bushing

Date

4/14/2014

Run Number

Two

Type Log

BHC Sonic

Depth Driller

3475

Depth Logger

3475

Bottom Logged Interval

3464

Top Logged Interval

350

Type Fluid In Hole

Chemical

Salinity, PPM CL

8000

Density

9.2

Level

Full

Max. Rec. Temp. F

111

Operating Rig Time

4 1/2 Hours

Equipment -- Location

108 Hays

Recorded By

J. Long

Witnessed By

Wyatt Urban

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

1

12.25

00

368

8.625

24#

00

268

2

7.875

368

3475

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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.

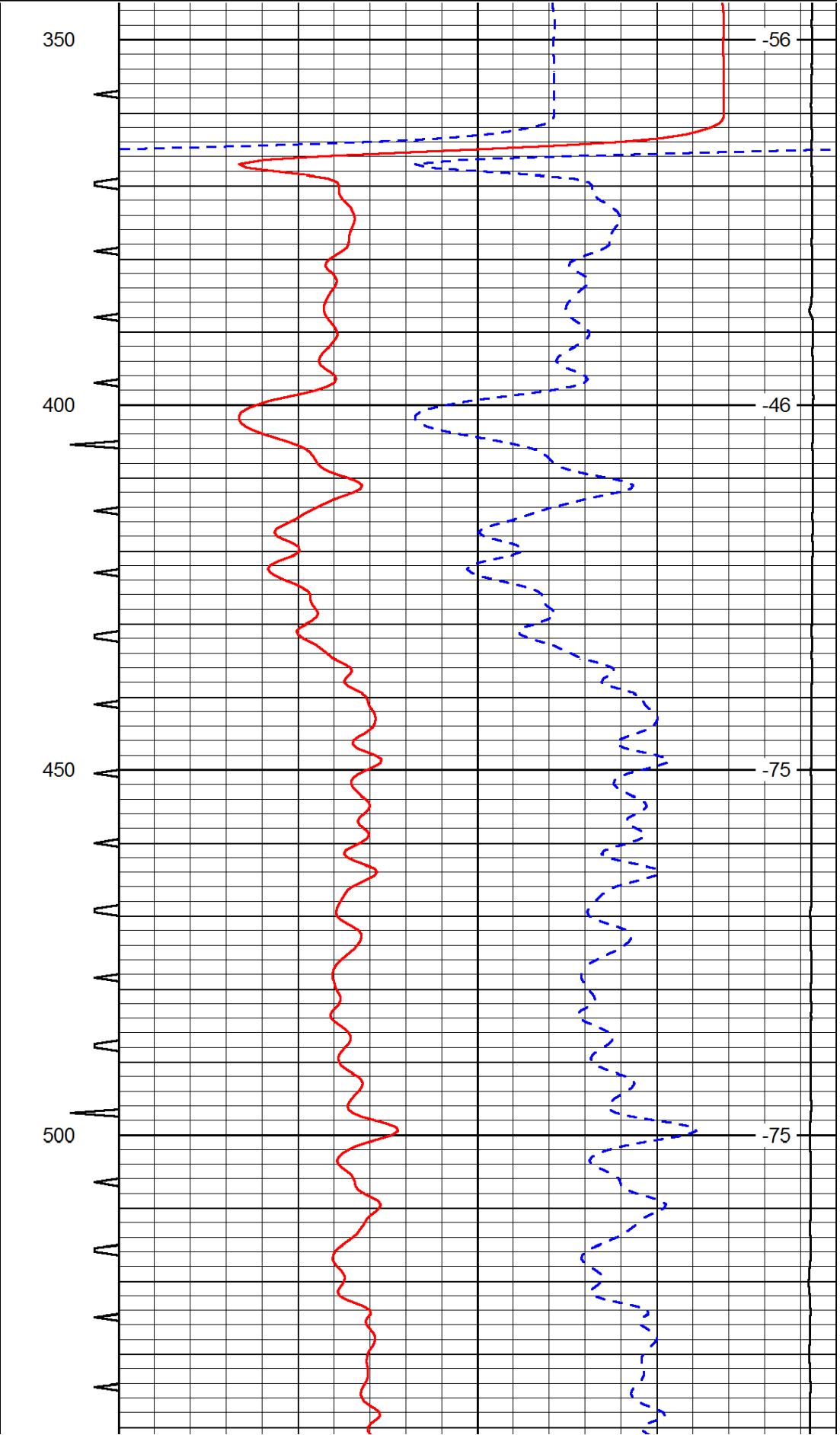
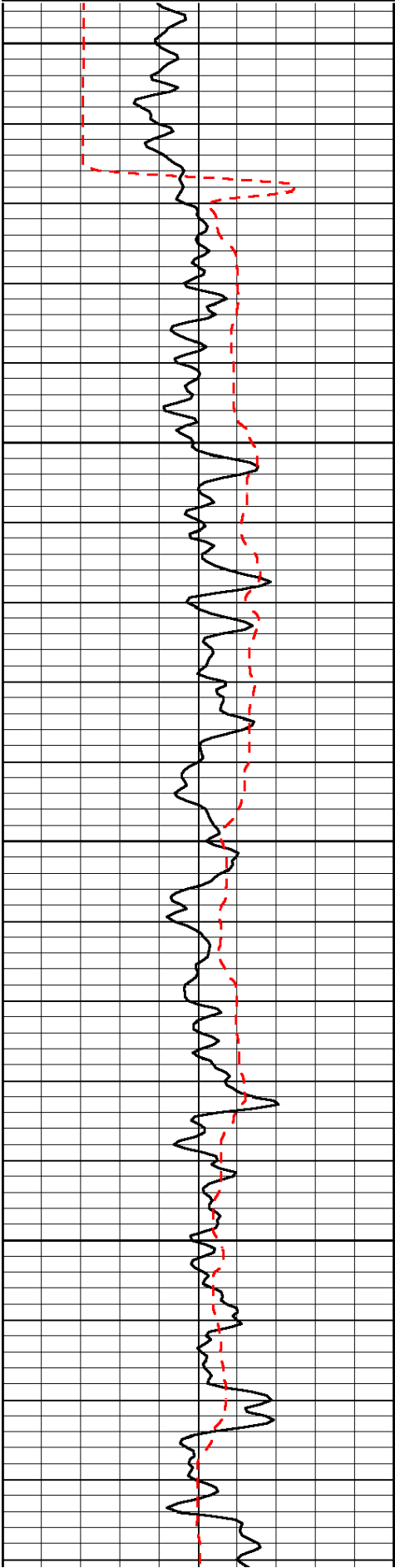
Comments

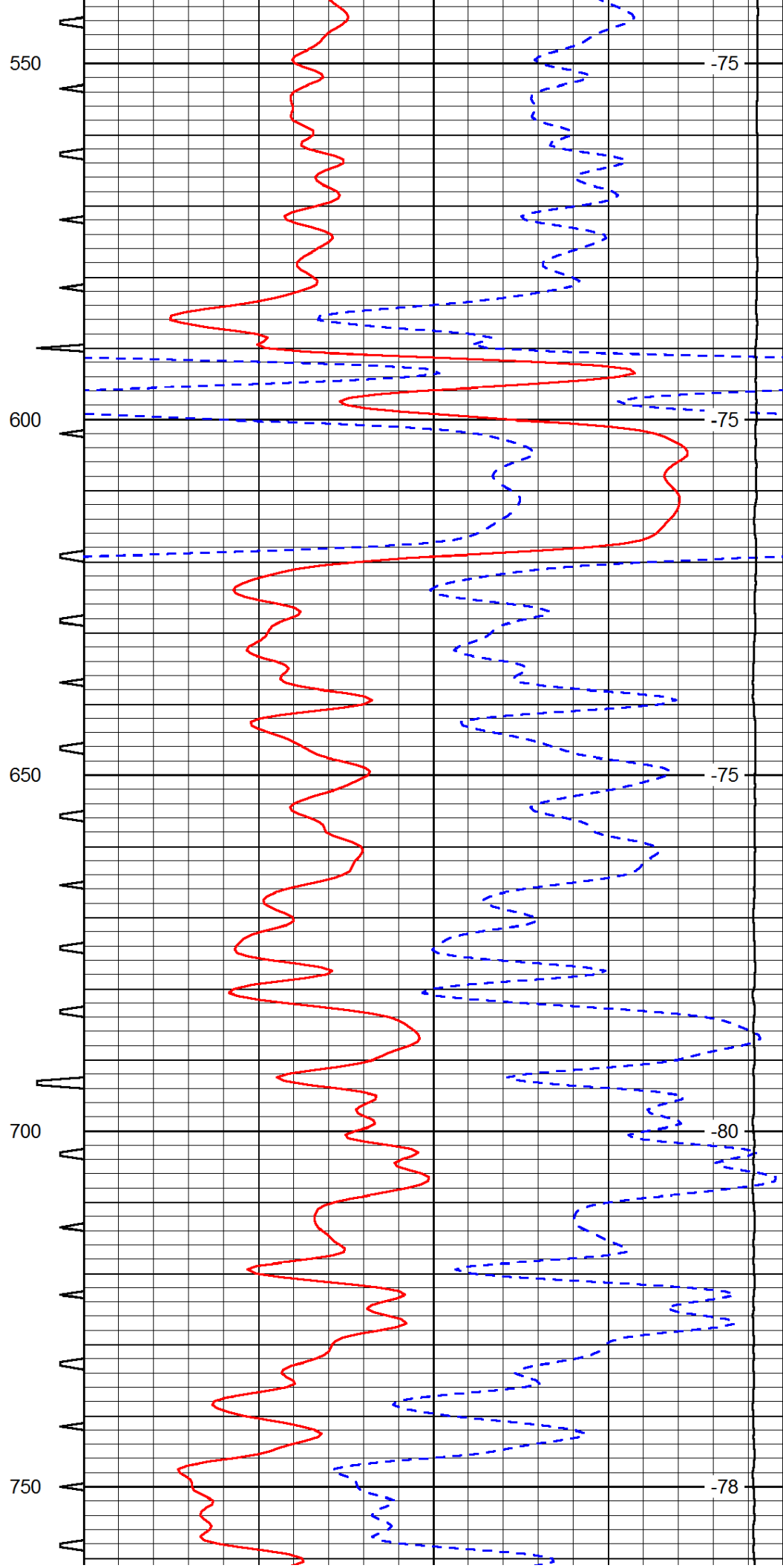
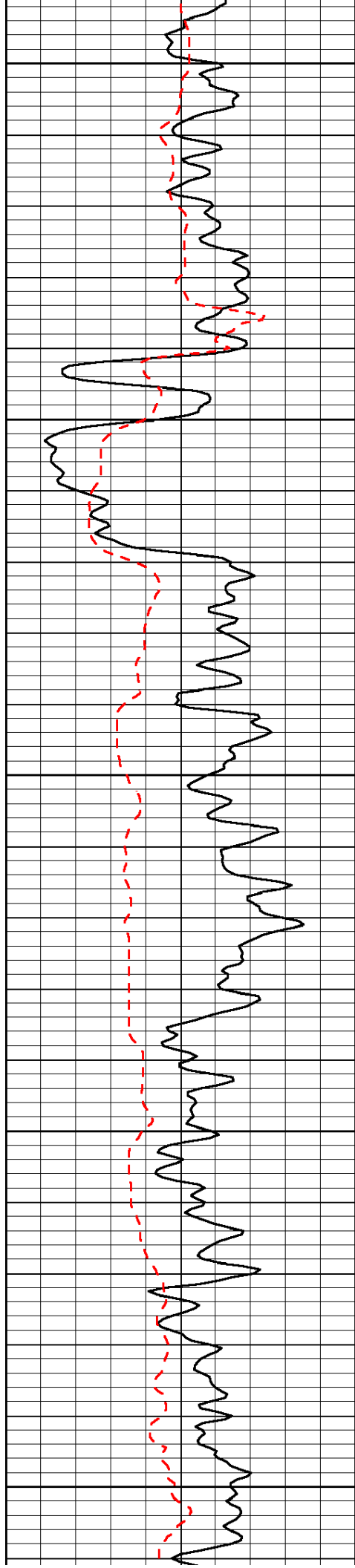
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

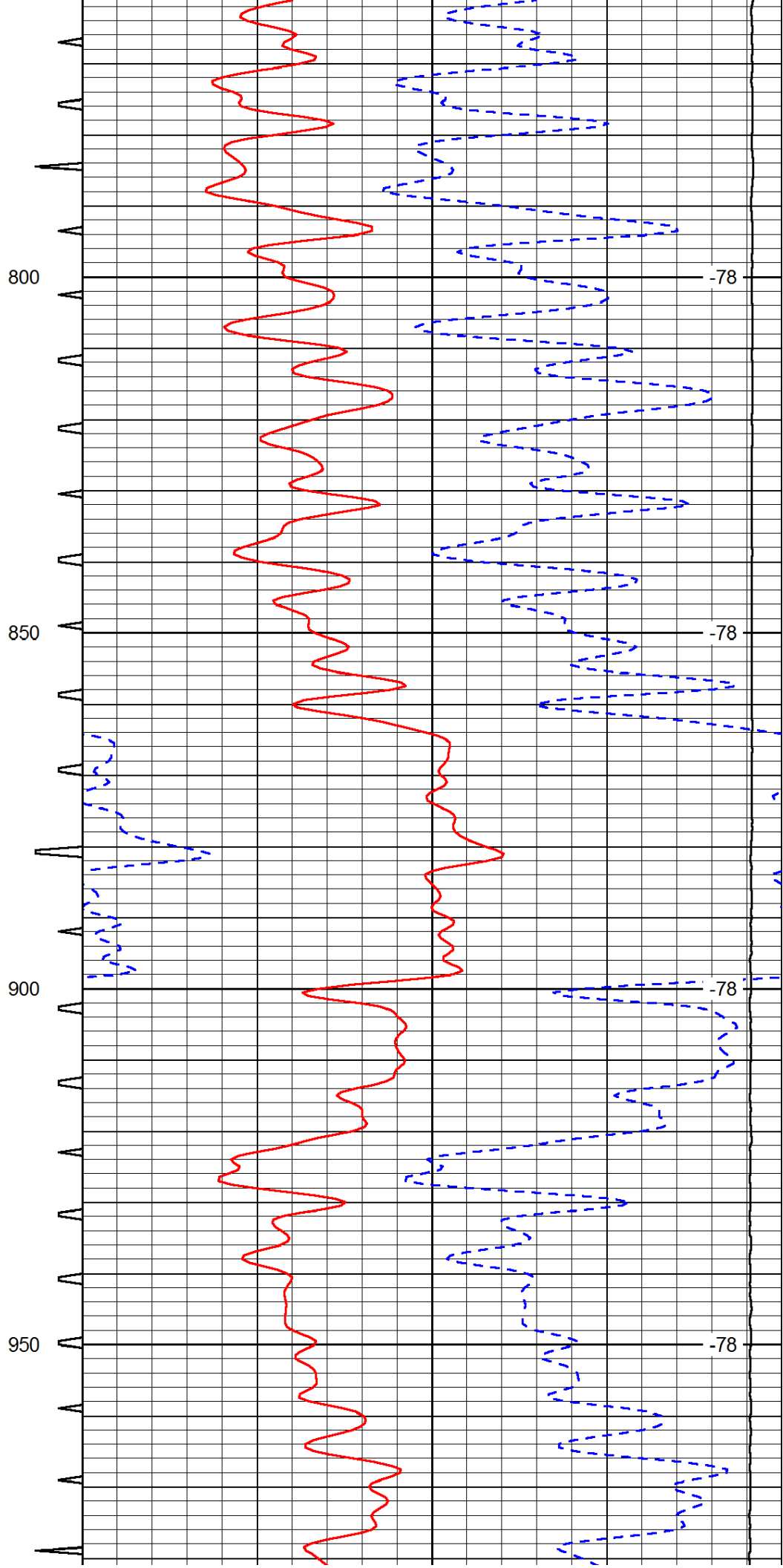
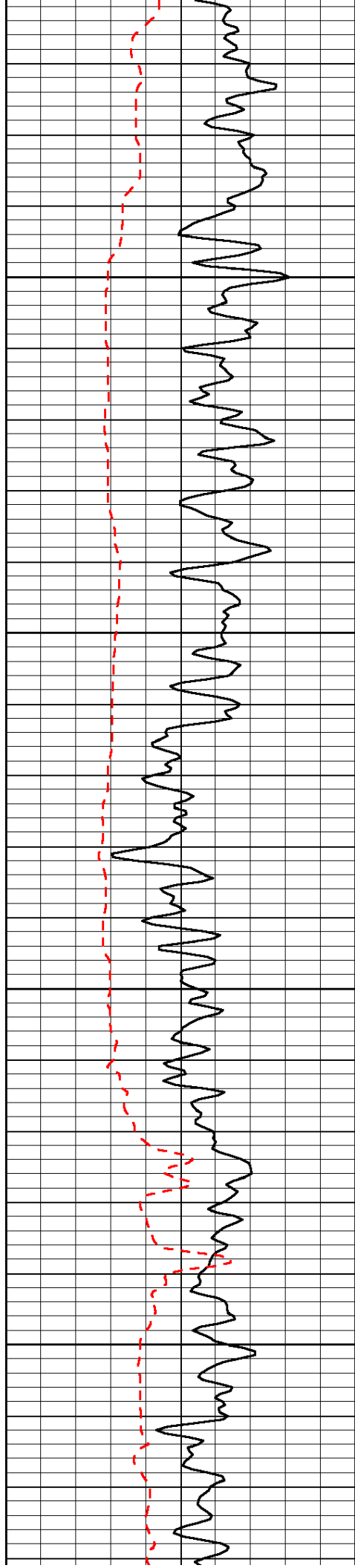
Claflin, 7 South to NE 40 Road, 1/4 West, North Into

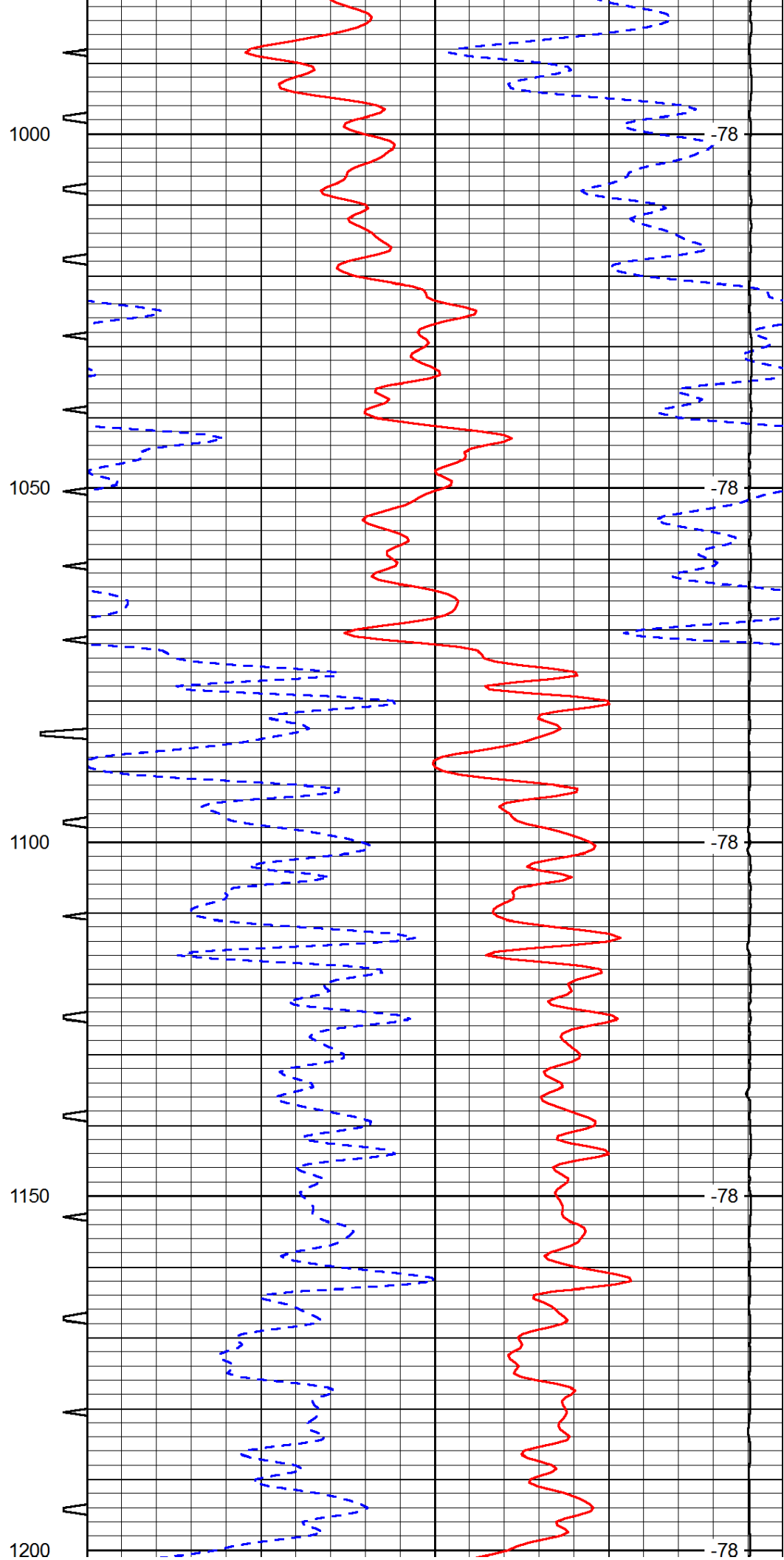
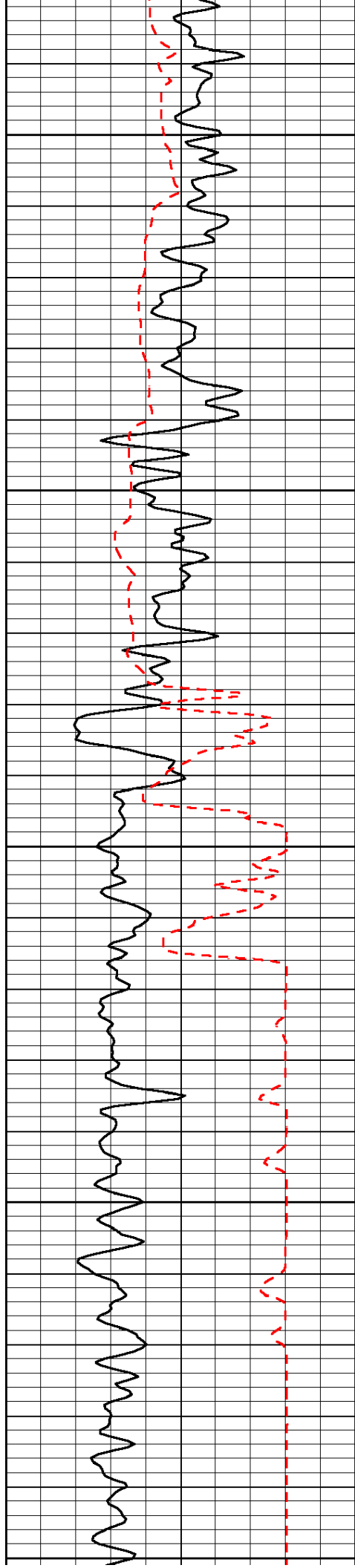
Database File: c:\warrior\data\k&n petroleum_tony klepper #4-1\k&n_tonyklepper_4-1hd.db
Dataset Pathname: dil/knstck
Presentation Format: sonic
Dataset Creation: Mon Apr 14 13:21:40 2014
Charted by: Depth in Feet scaled 1:240

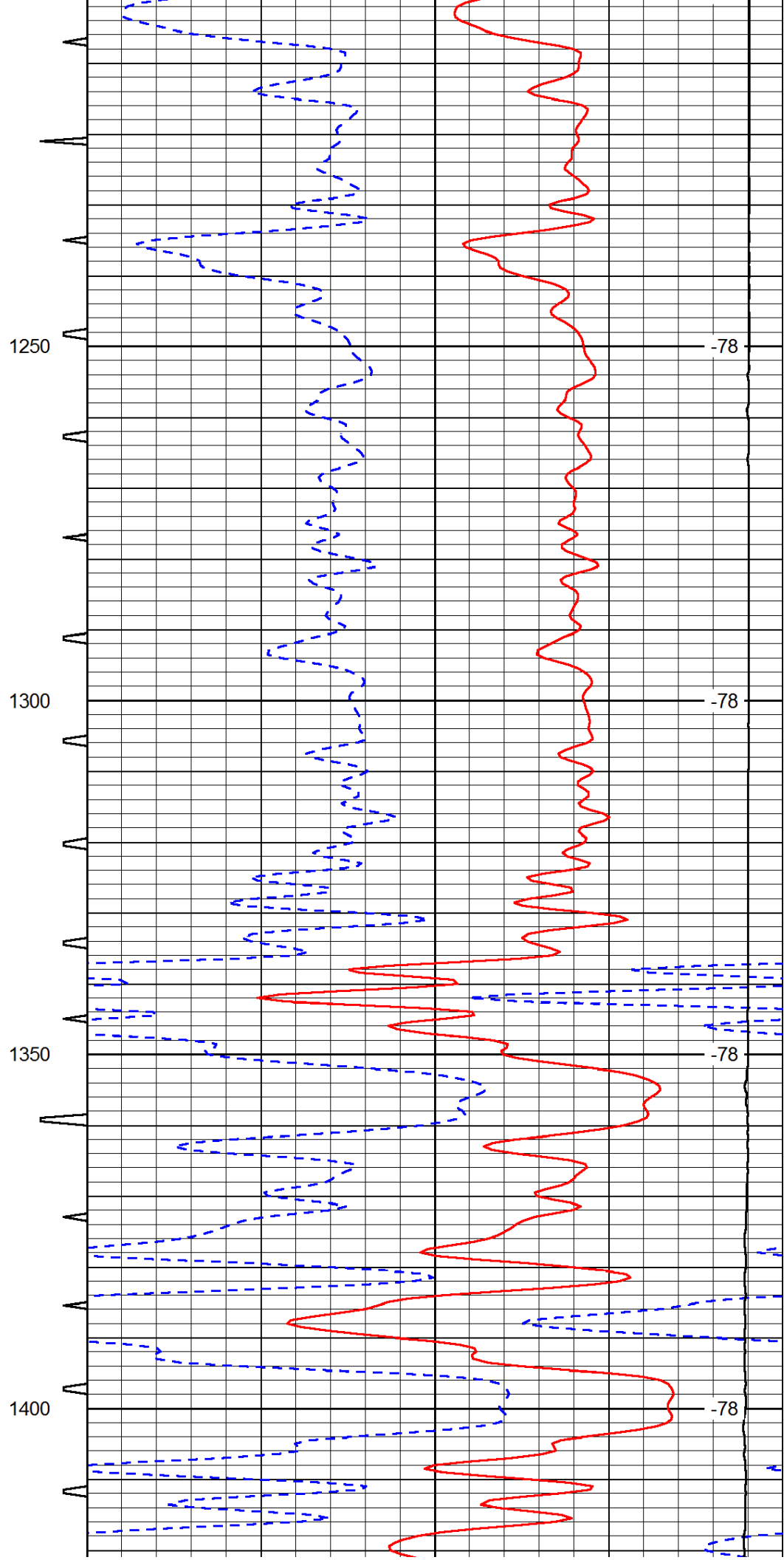
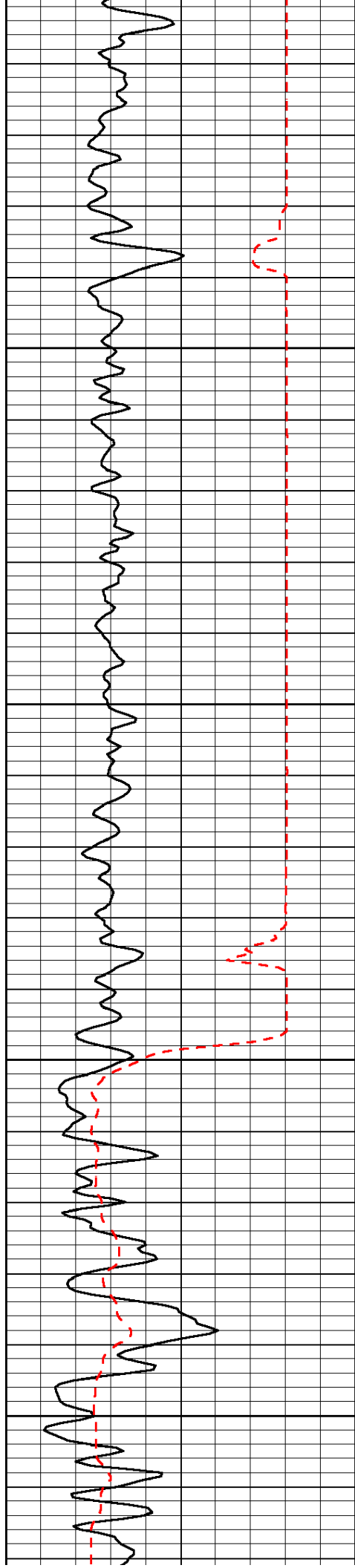
Charted by:		Depth in Feet scaled 1:2.15						
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40		
150	Gamma Ray	300		5	0	30	SPOR	-10
6	Caliper (GAPI)	16				15000	LTEN (lb)	0
						LSPD		

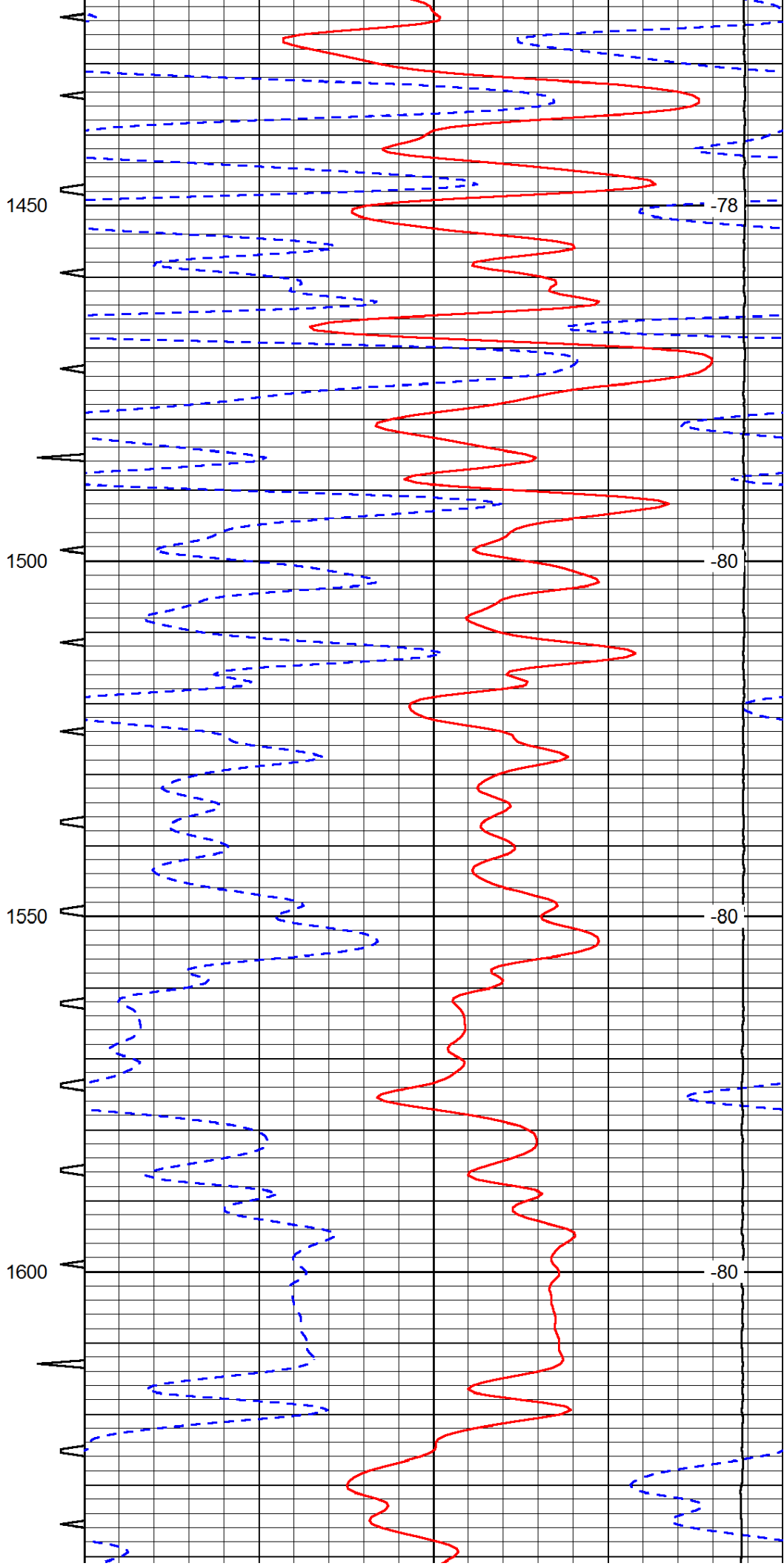
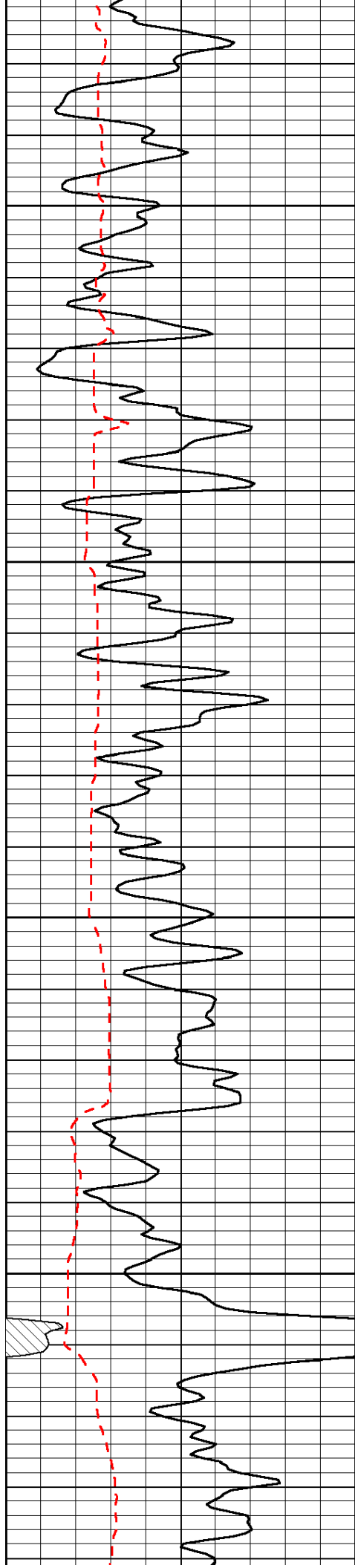


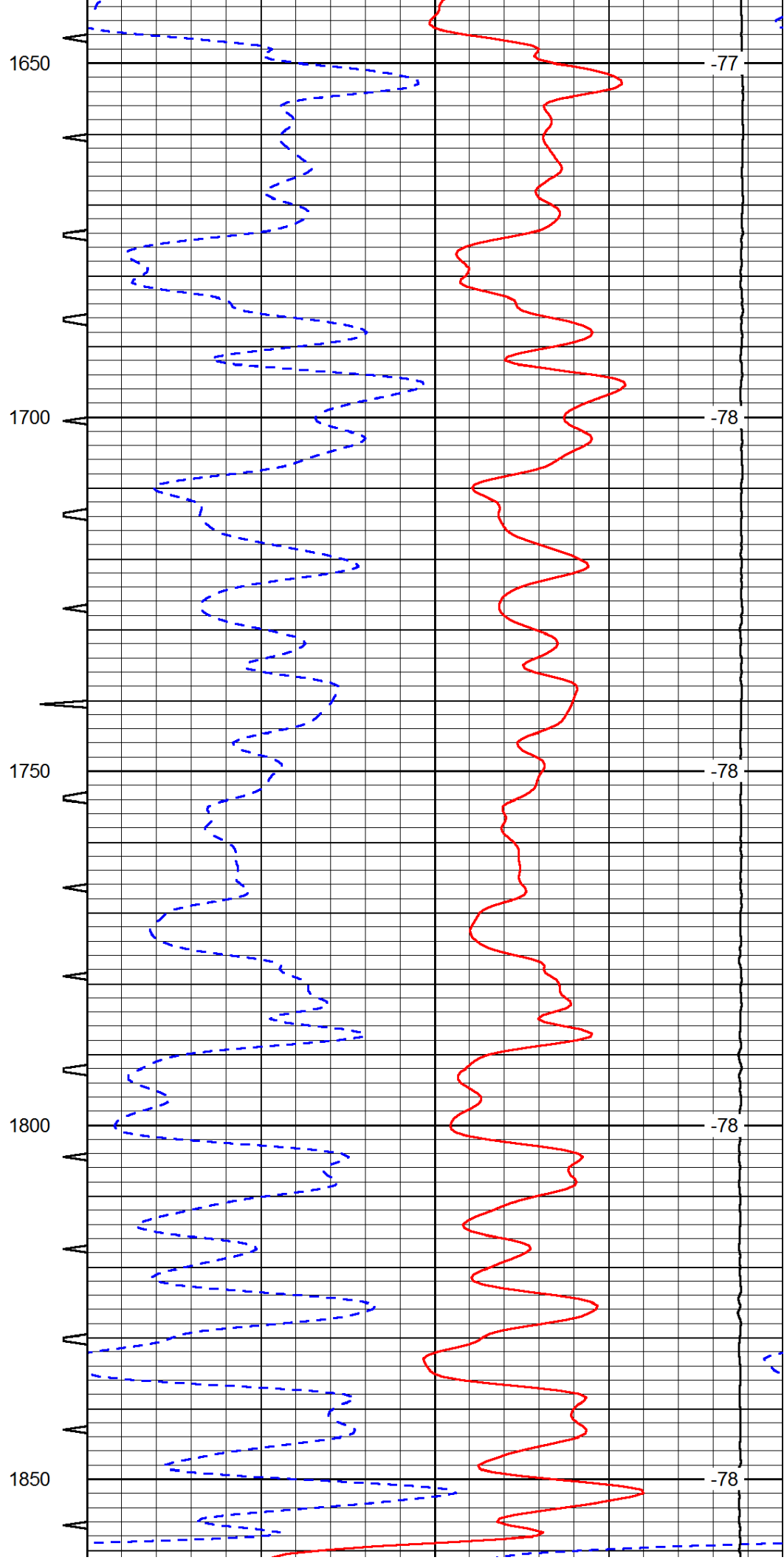
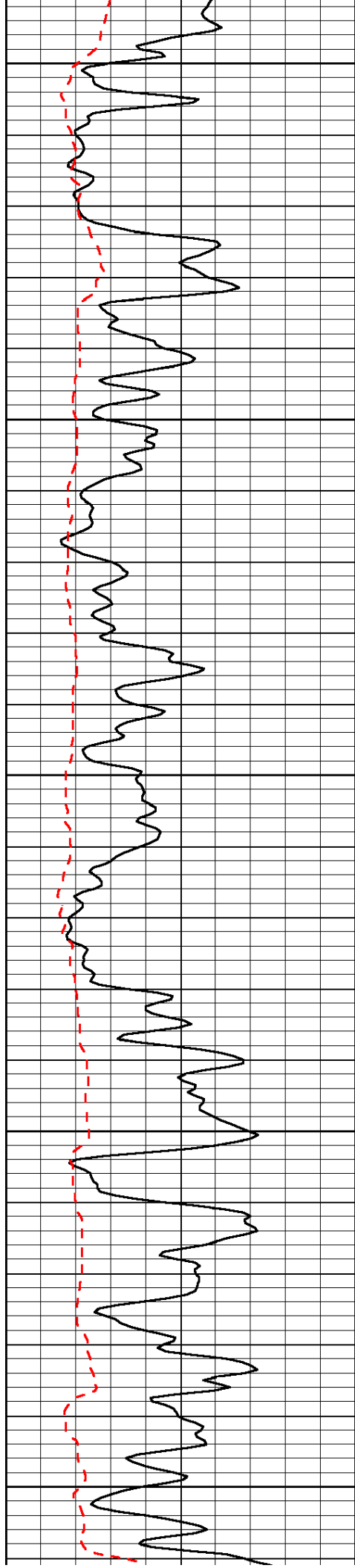


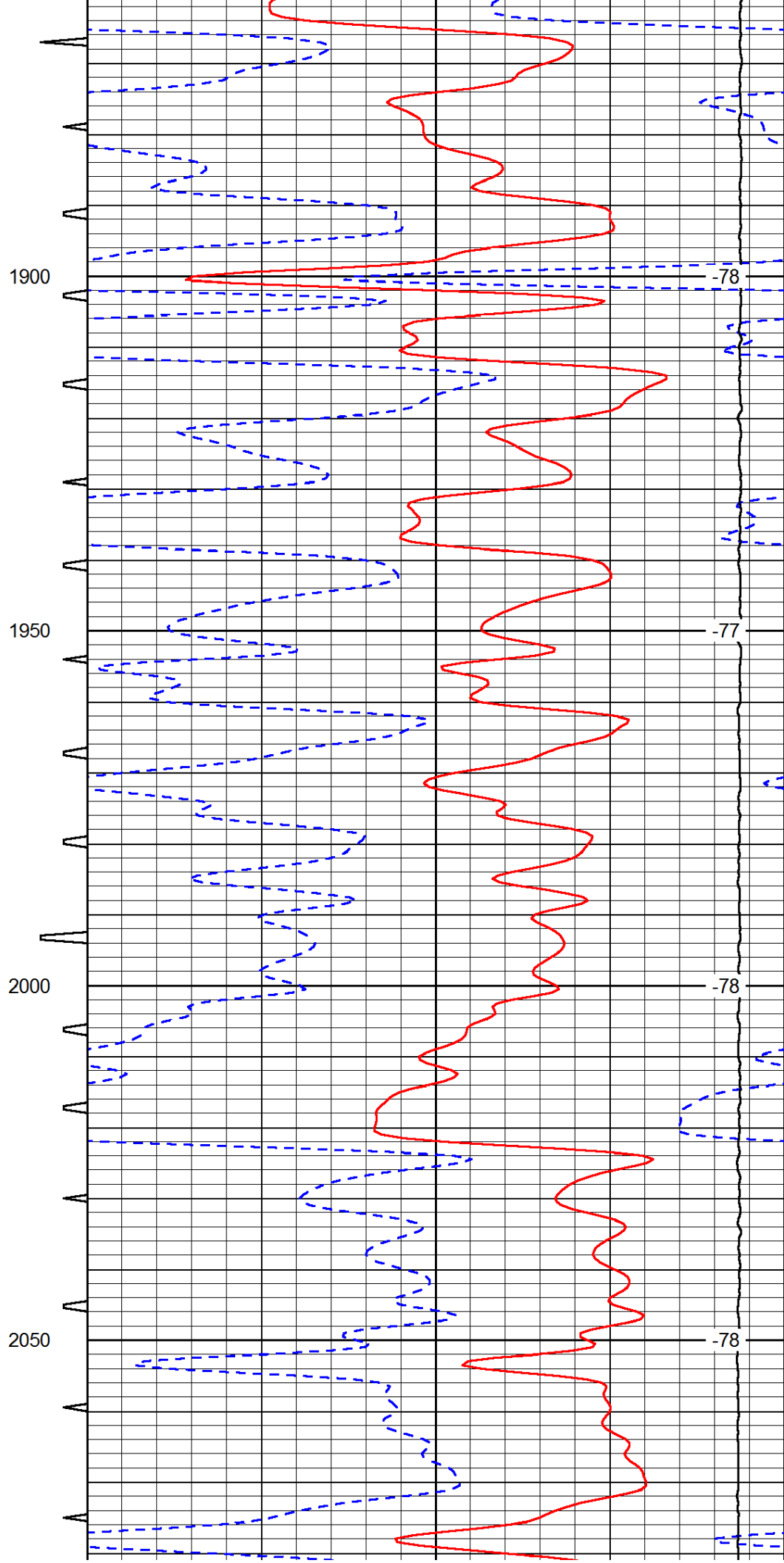
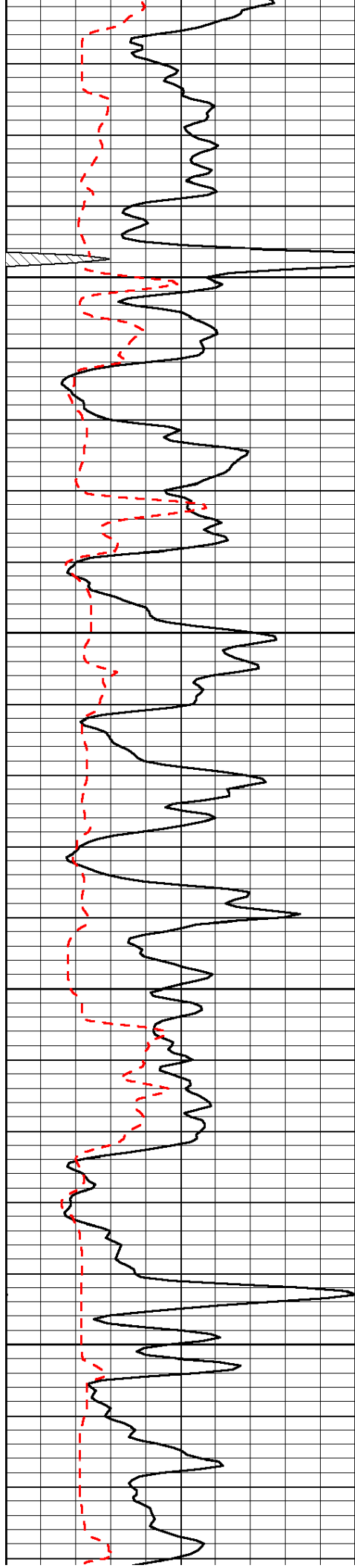


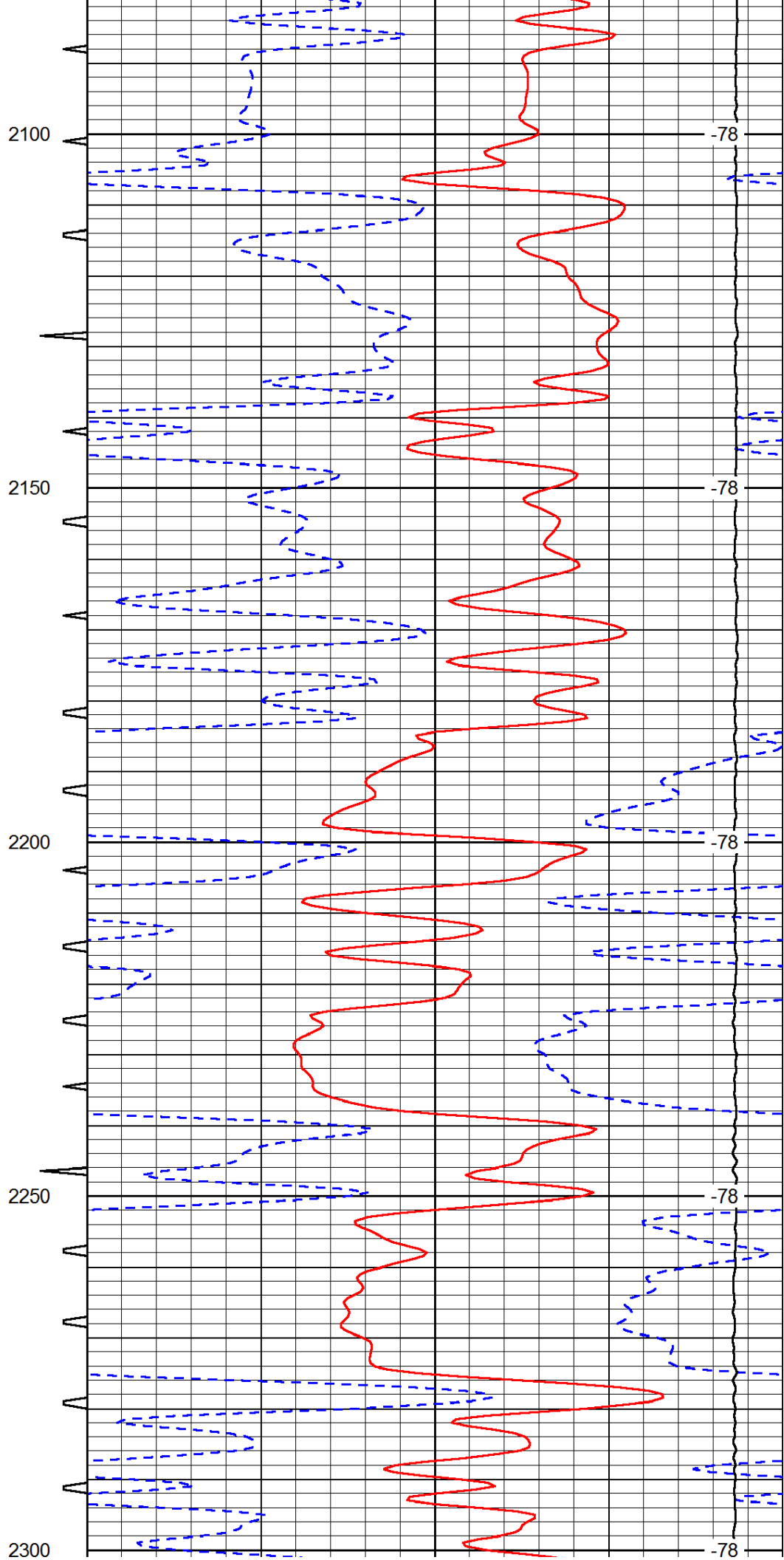
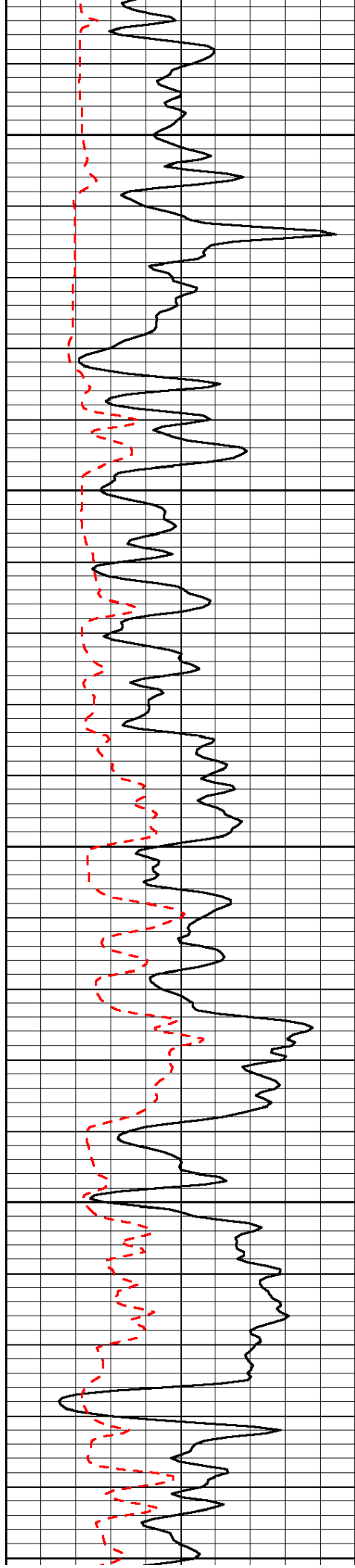


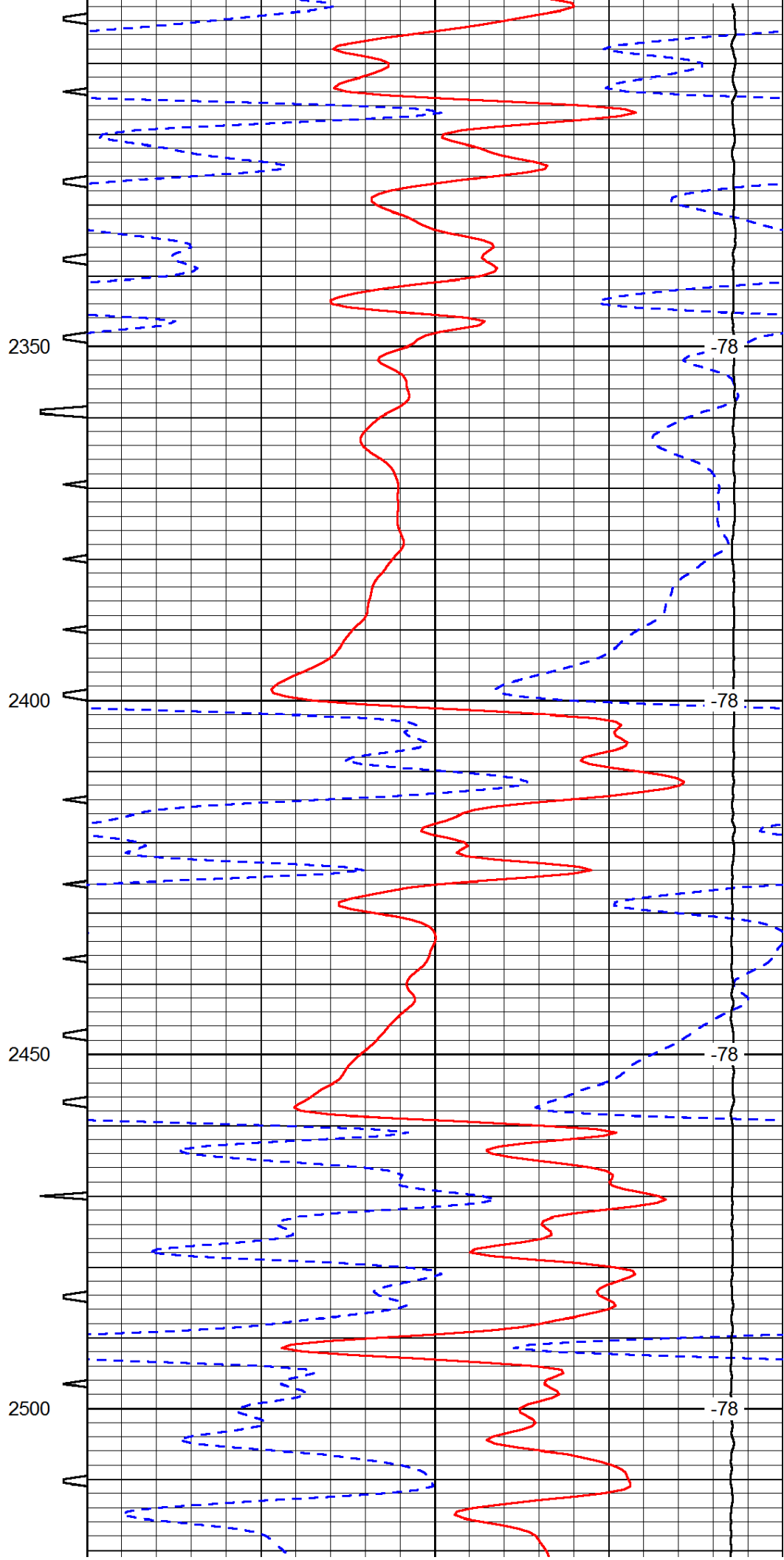
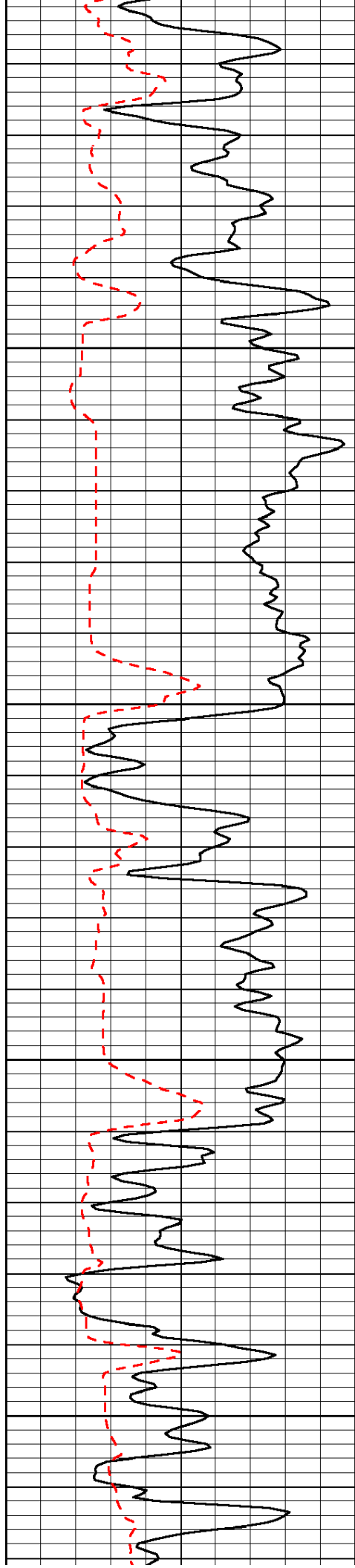


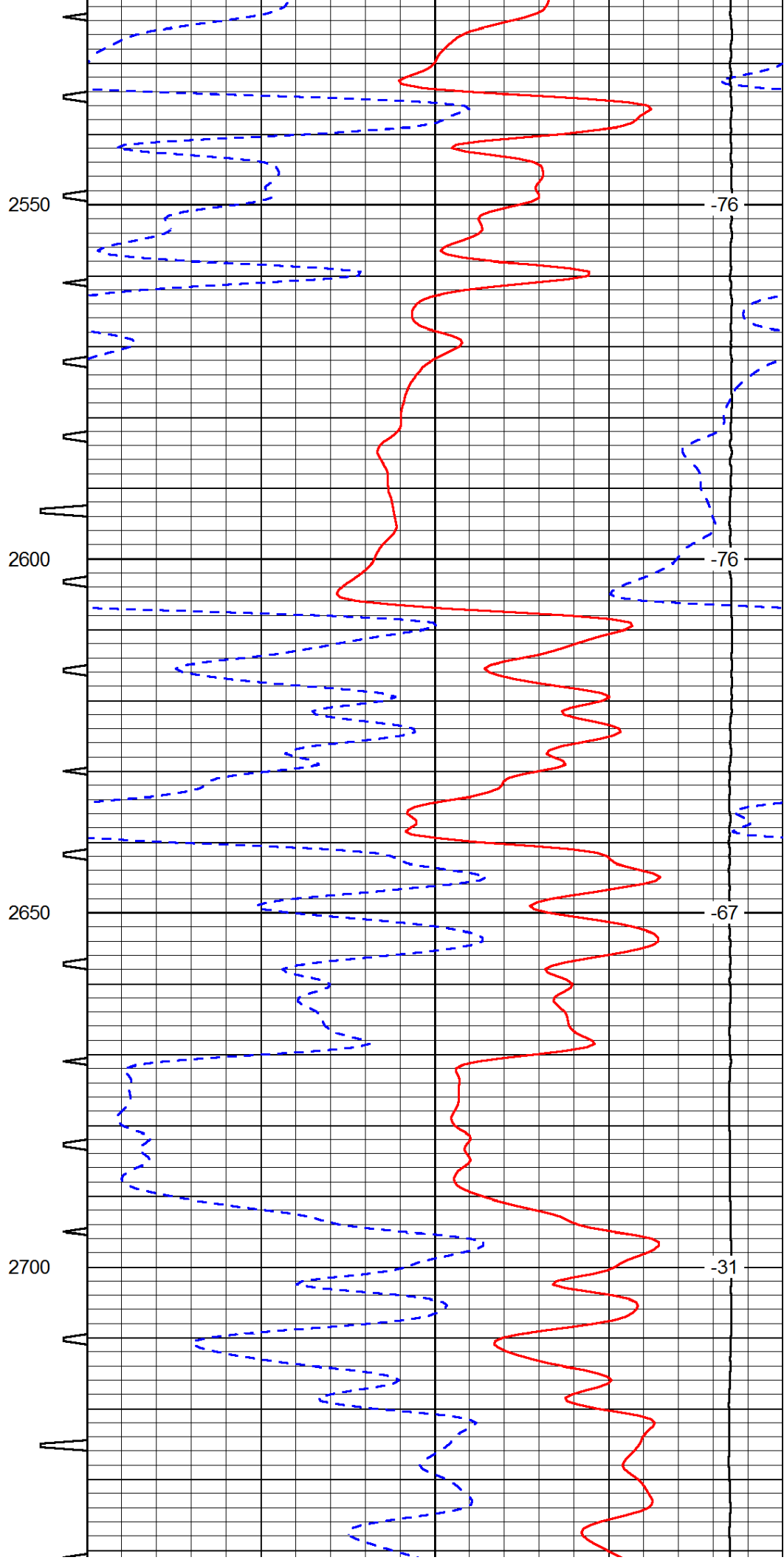
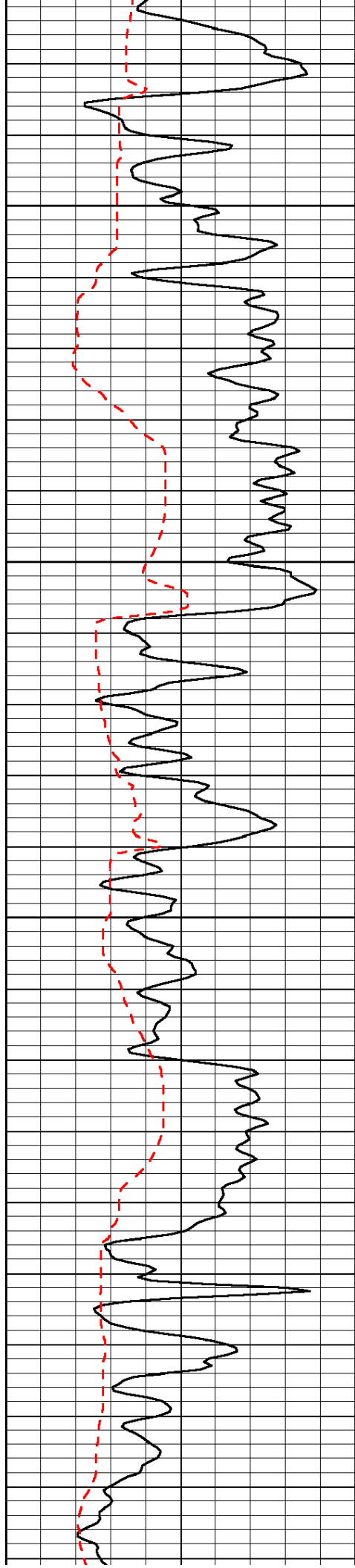


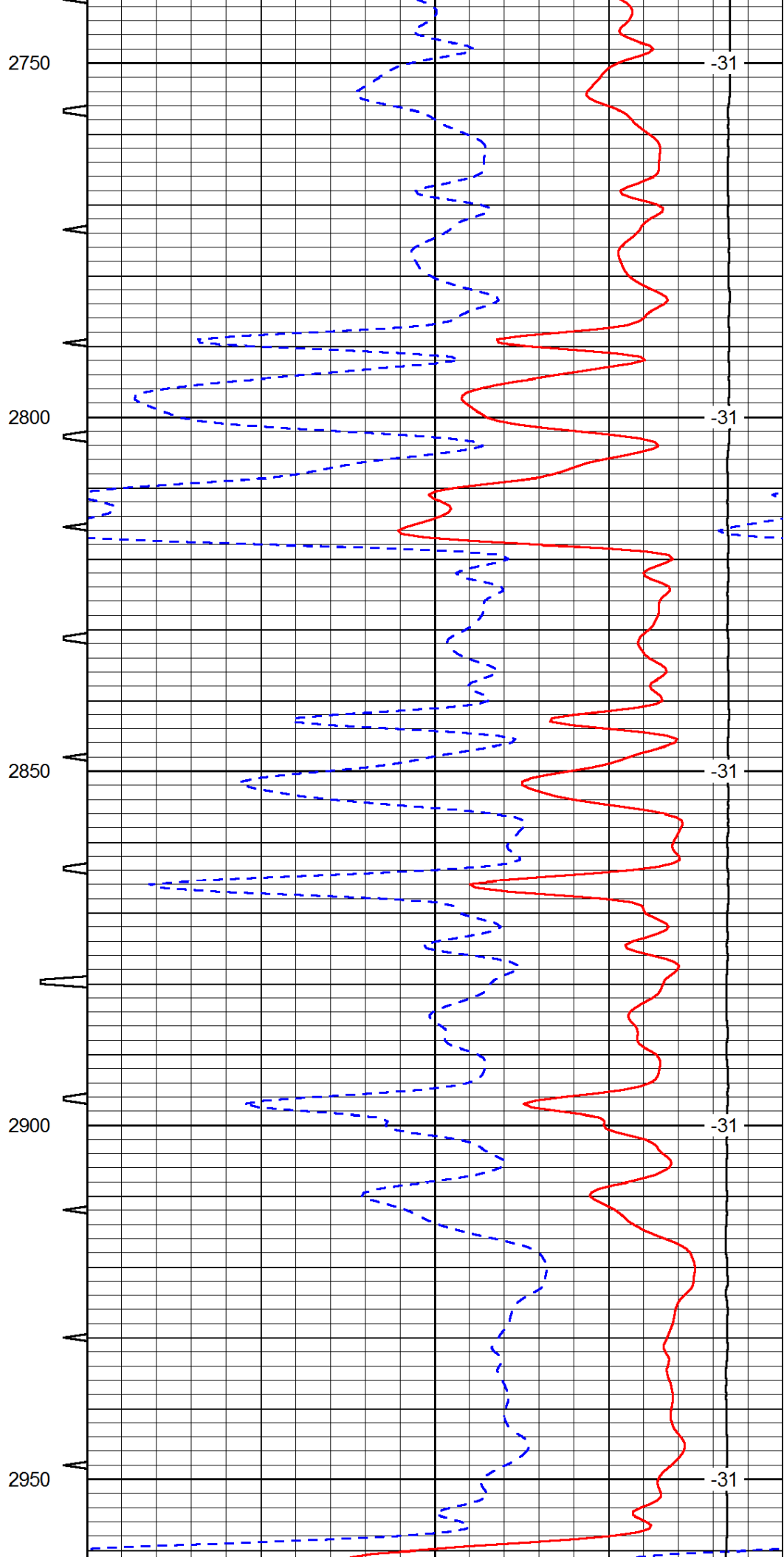
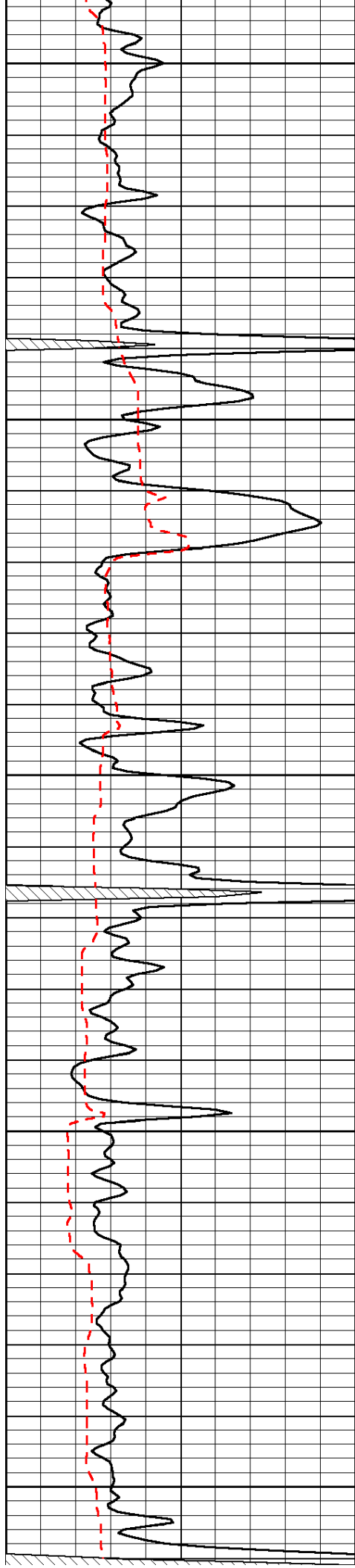


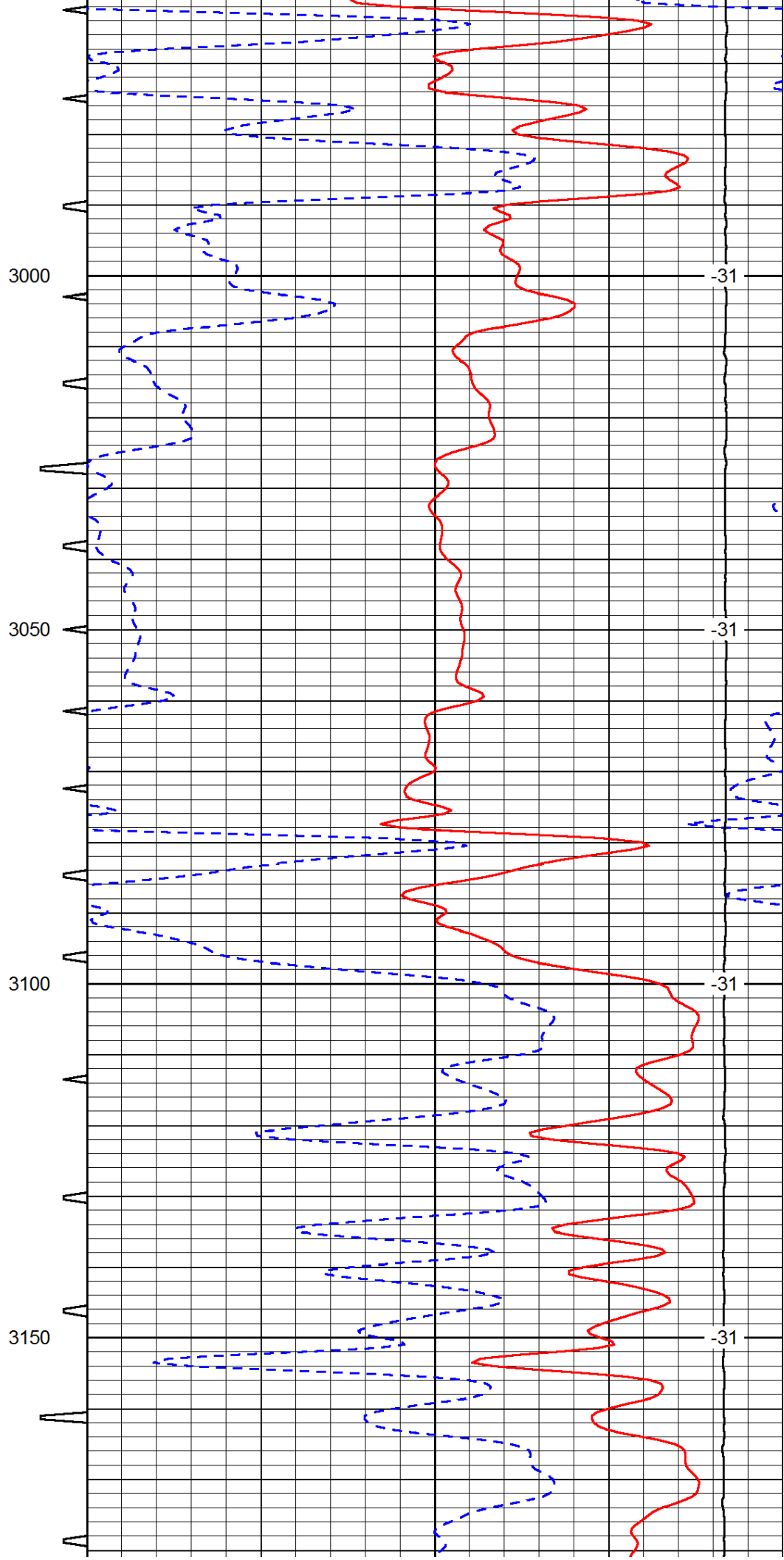
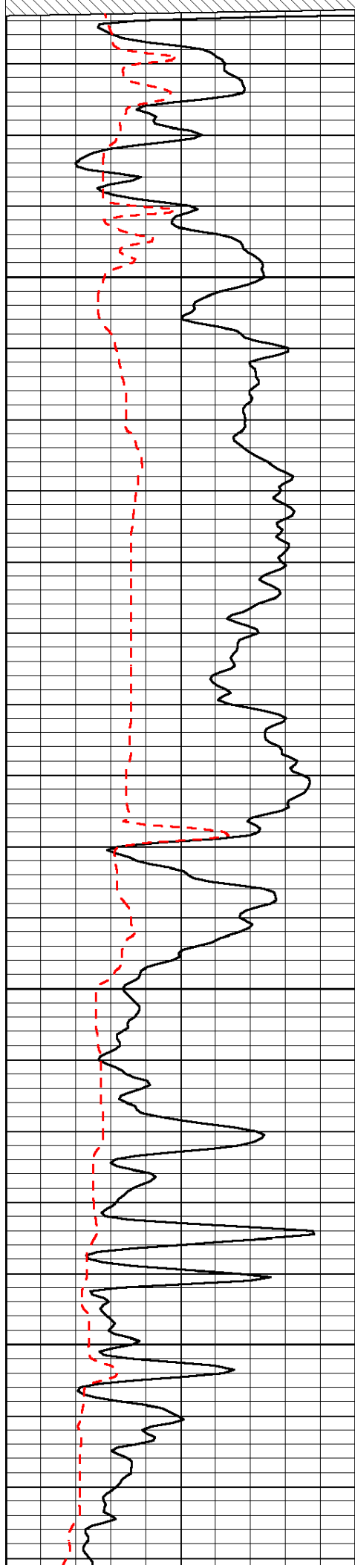


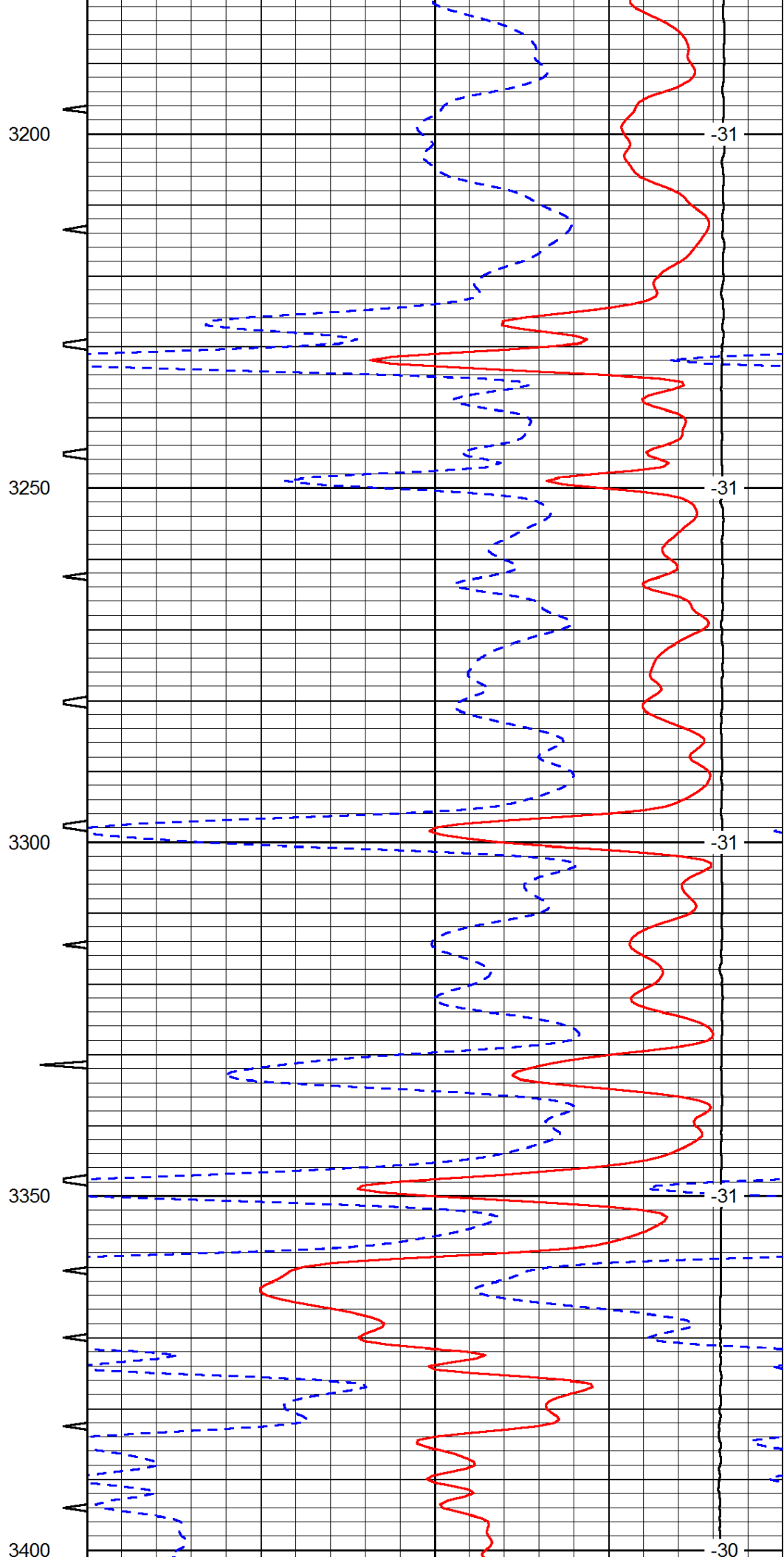
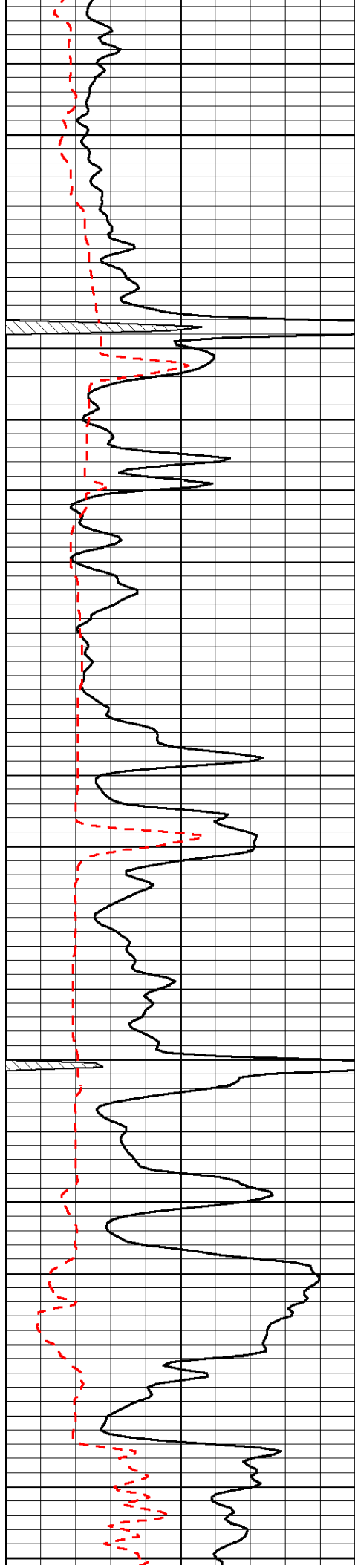


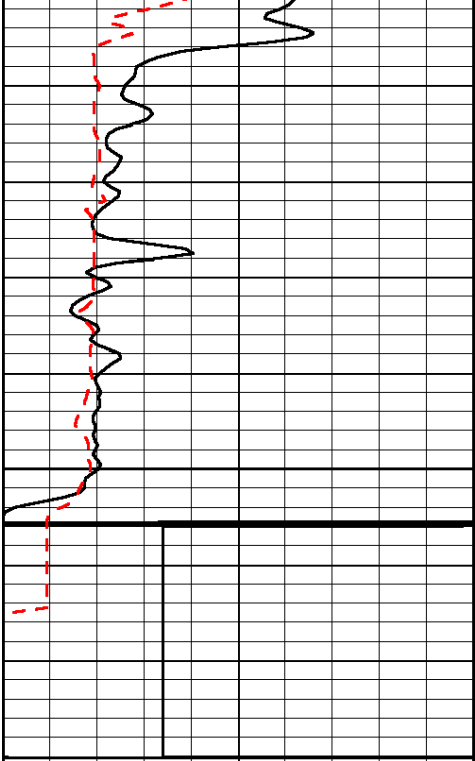






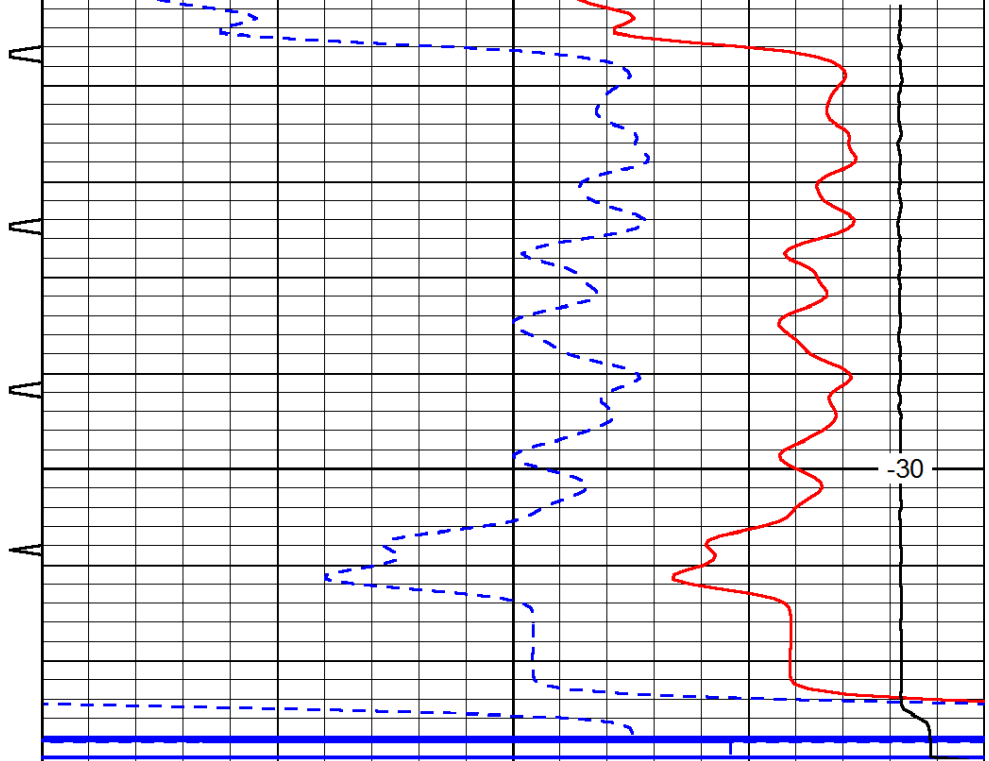






0	Gamma Ray	150
150	Gamma Ray	300
6	Caliper (GAPI)	16

3450



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

LSPD