



Pioneer Energy Services

Borehole Compensated Sonic Log

15-167-23,815-00-00

API No.

Company **JAG Operations, Inc.**

Well **Stranger Valley #1**

Field **Unknown**

County **Russell**

State **Kansas**

Location

170' FNL & 1460' FEL

Other Services
CNL/CDL
MEL/DIL

Sec: 34

Twp: 13 S

Rge: 15 W

Elevation

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation 1918
K.B. 1927
D.F. 1918
G.L. 1918

Date

8/12/2012

Run Number

Two

Type Log

BHC Sonic

Depth Driller

3430

Depth Logger

3428

Bottom Logged Interval

3417

Top Logged Interval

200

Type Fluid In Hole

Chemical

Salinity, PPM CL

5,000

Density

9.0

Level

Full

Max. Rec. Temp. F

112

Operating Rig Time

4 Hours

Equipment -- Location

91 Days

Recorded By

K. Bange

Witnessed By

Mike Bair

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

1

12.25

00

212

8.625

24#

00

212

<<< 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.

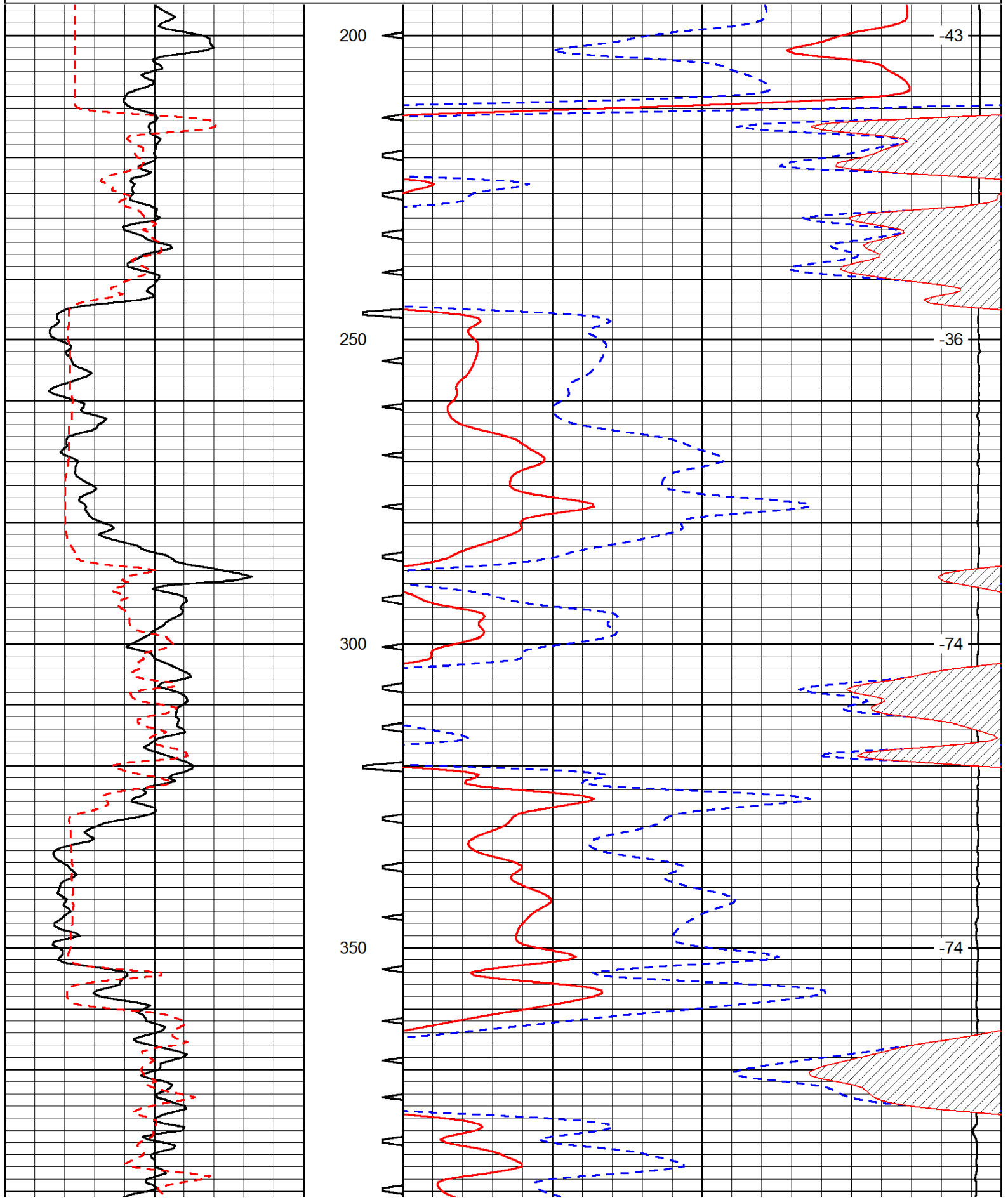
Comments

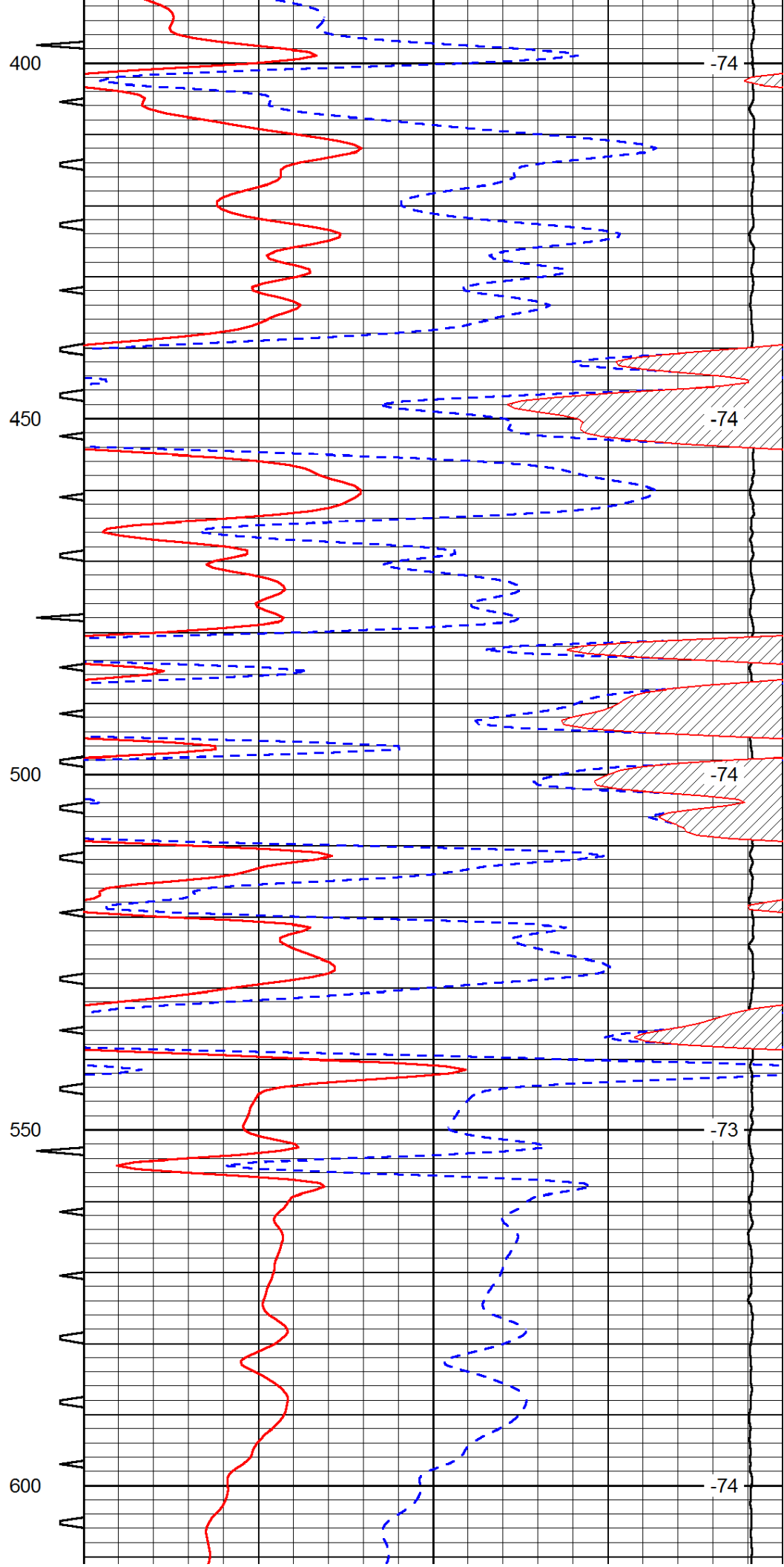
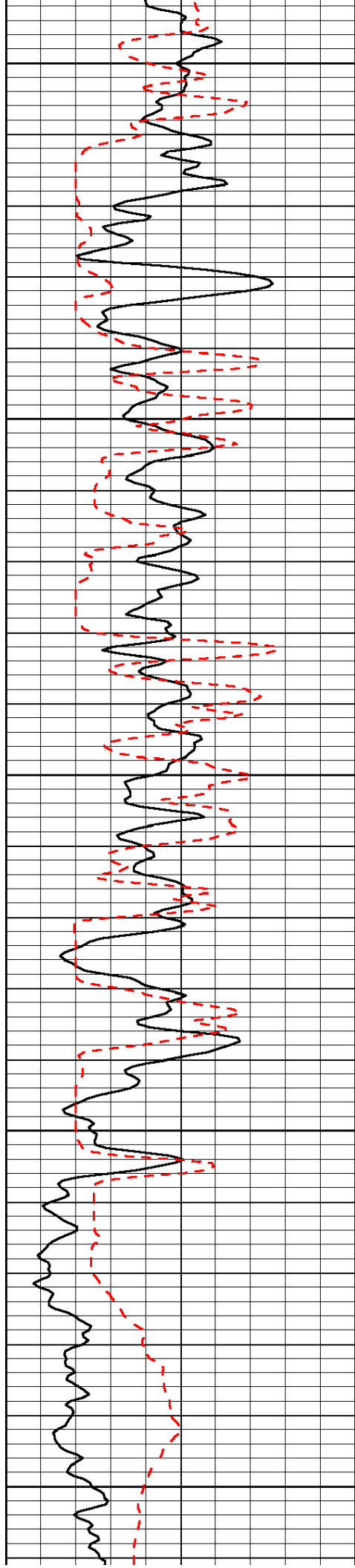
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

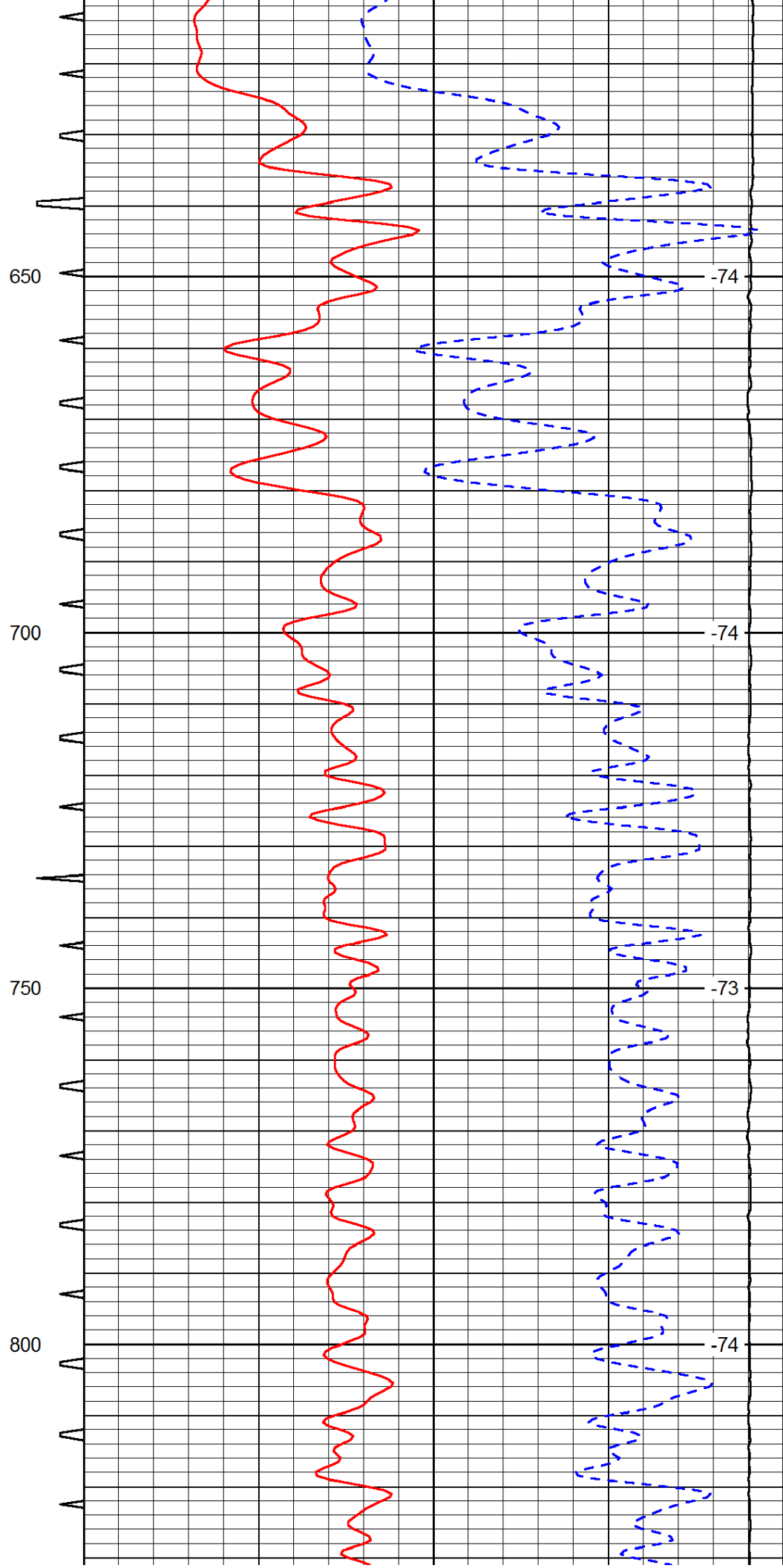
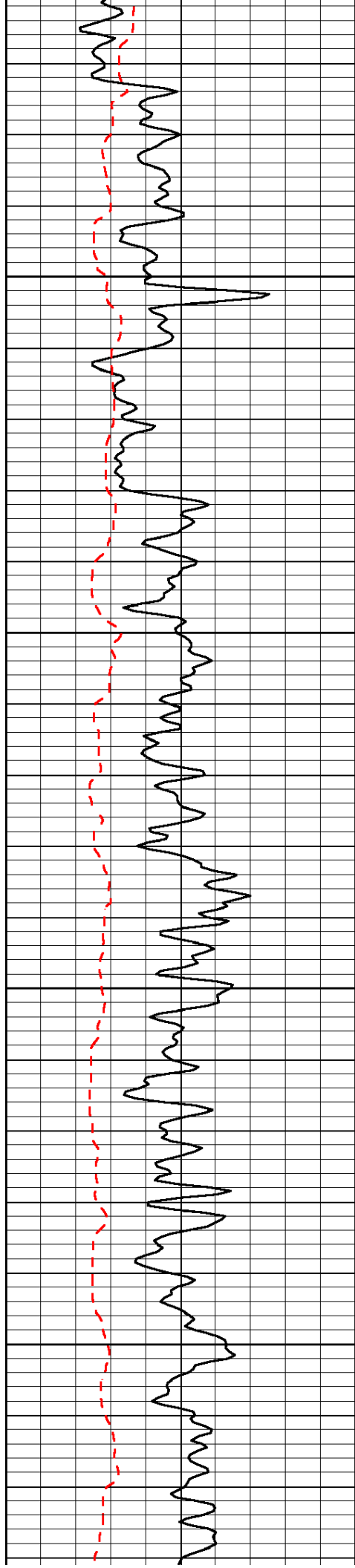
Gorham, 3 E to 179 rd,
100' S, W into

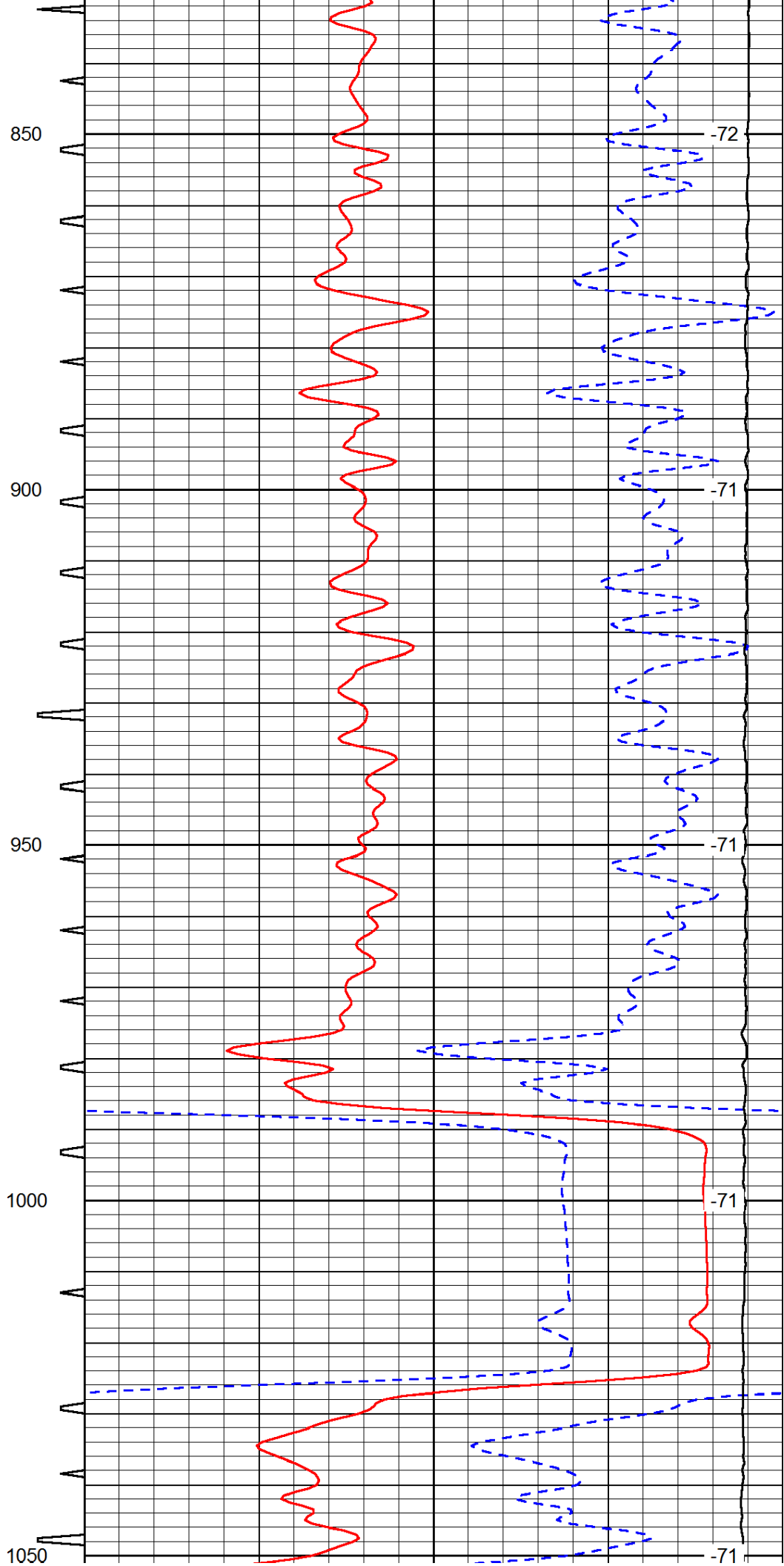
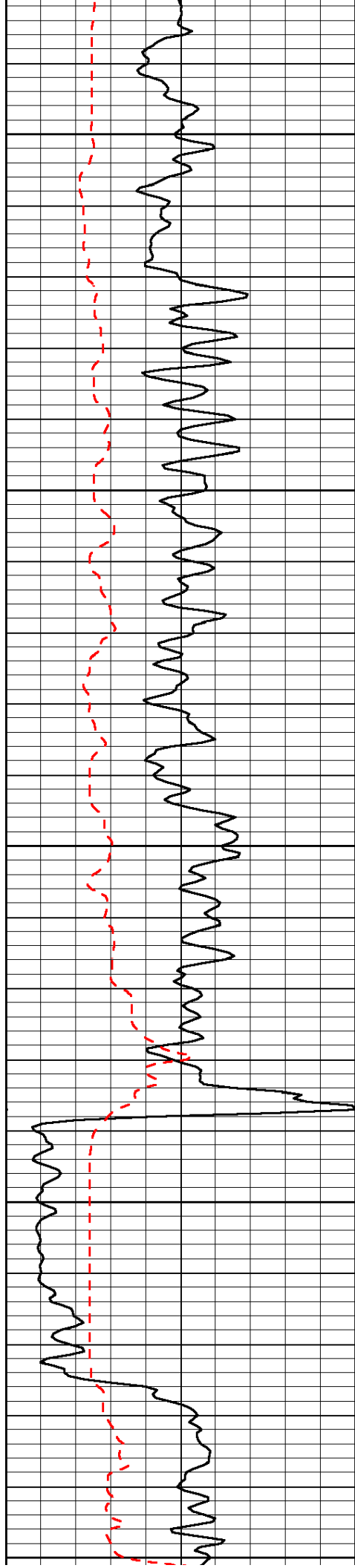
Database File: c:\warrior\data\jag_stranger valley #1\jag081212hd.db
Dataset Pathname: dil\jagstack
Presentation Format: sonic
Dataset Creation: Sun Aug 12 14:53:08 2012
Charted by: Depth in Feet scaled 1:240

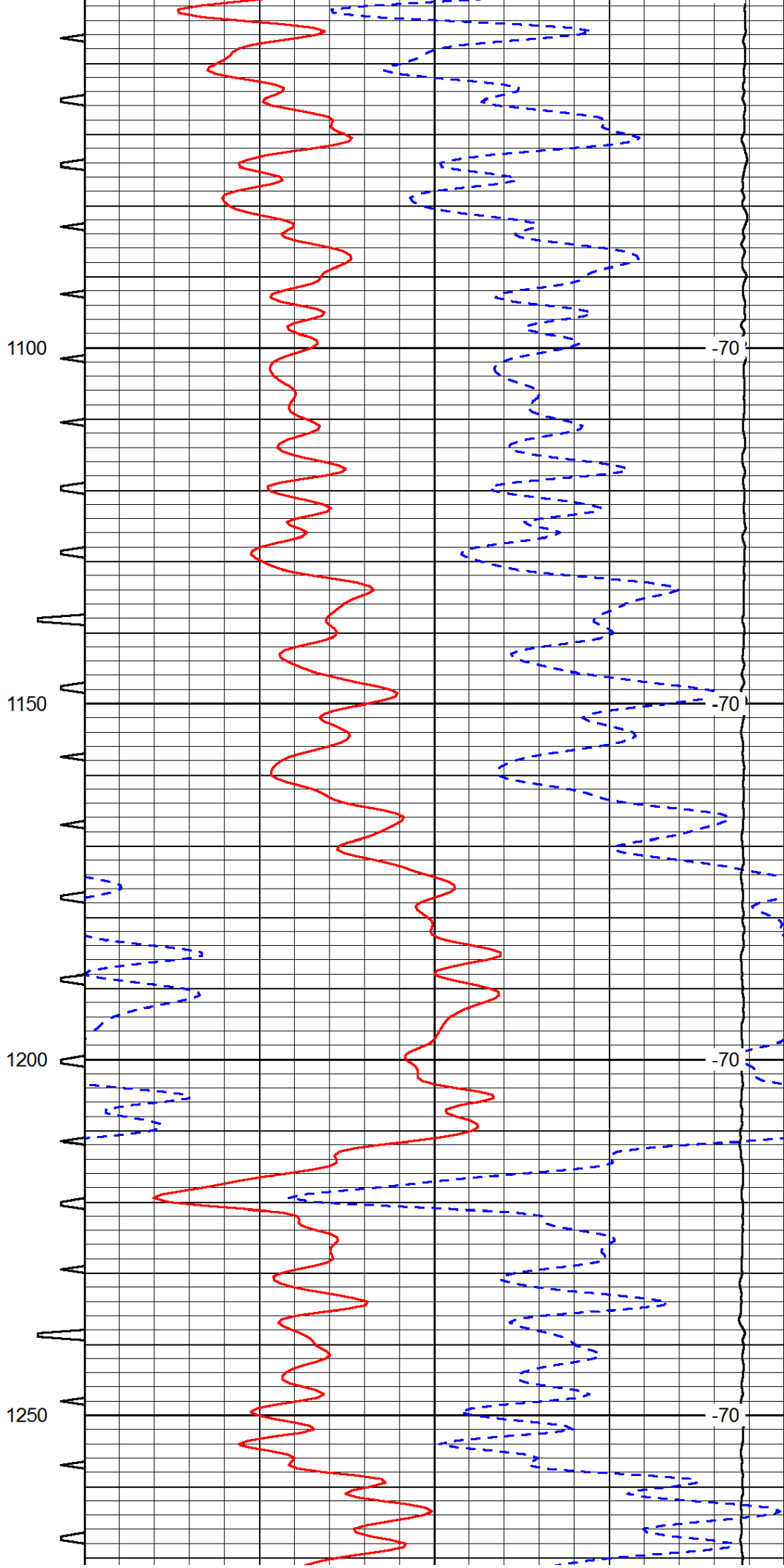
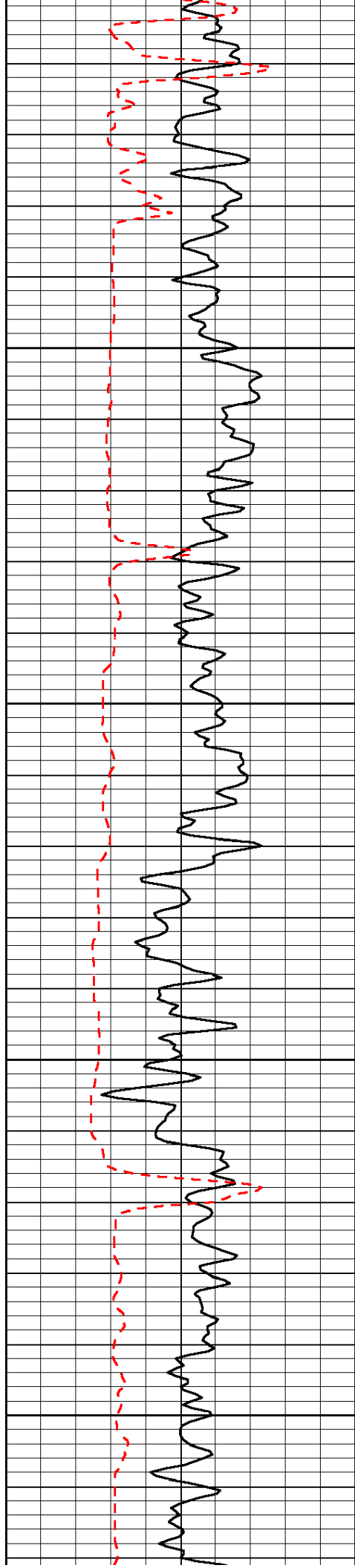
Charted by:			Depth in Feet scaled 1:210			
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40
150	Gamma Ray	300		30	SPOR	-10
6	Caliper (GAPI)	16		15000	LTEN (lb)	0
					LSPD	

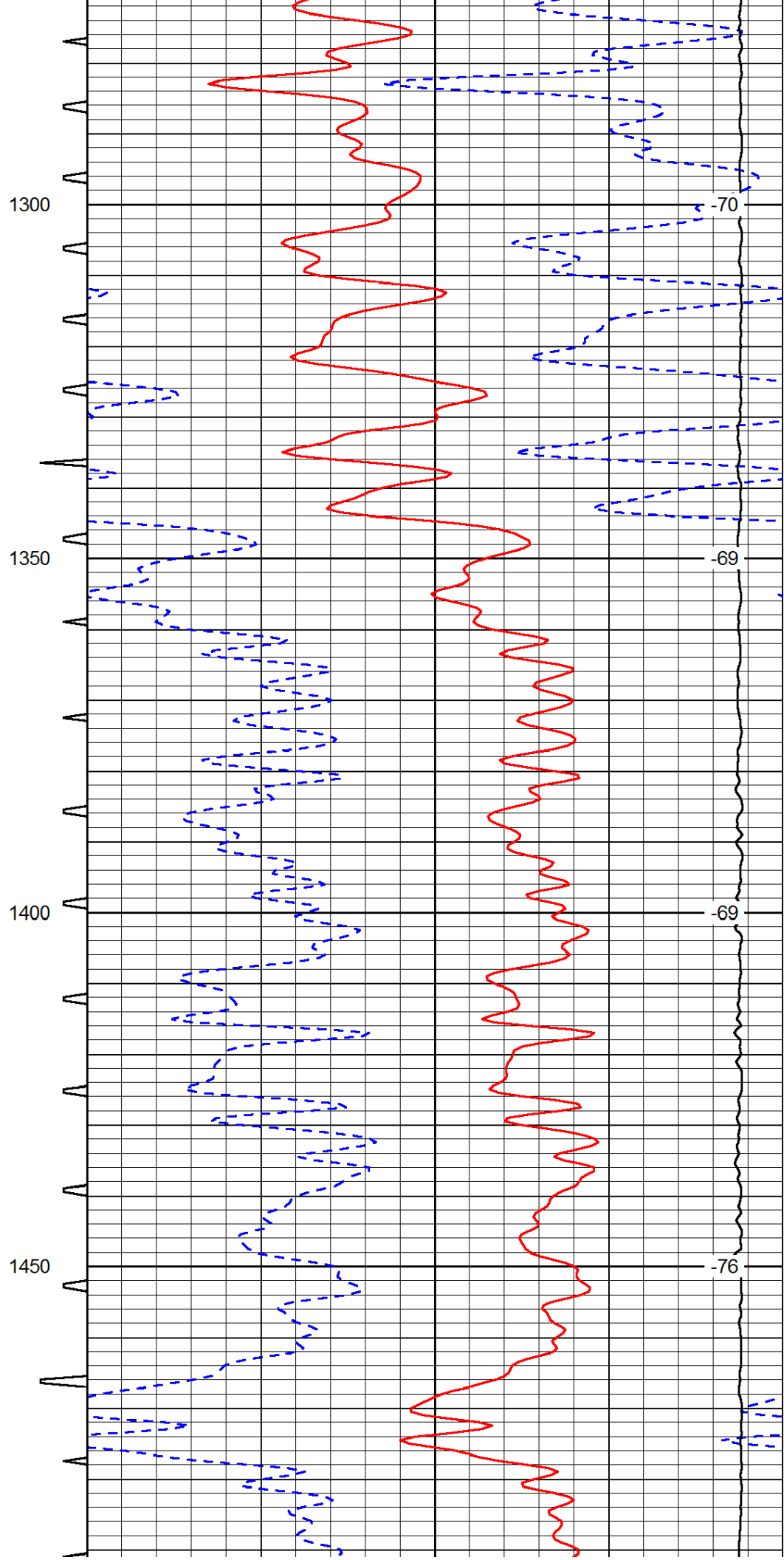
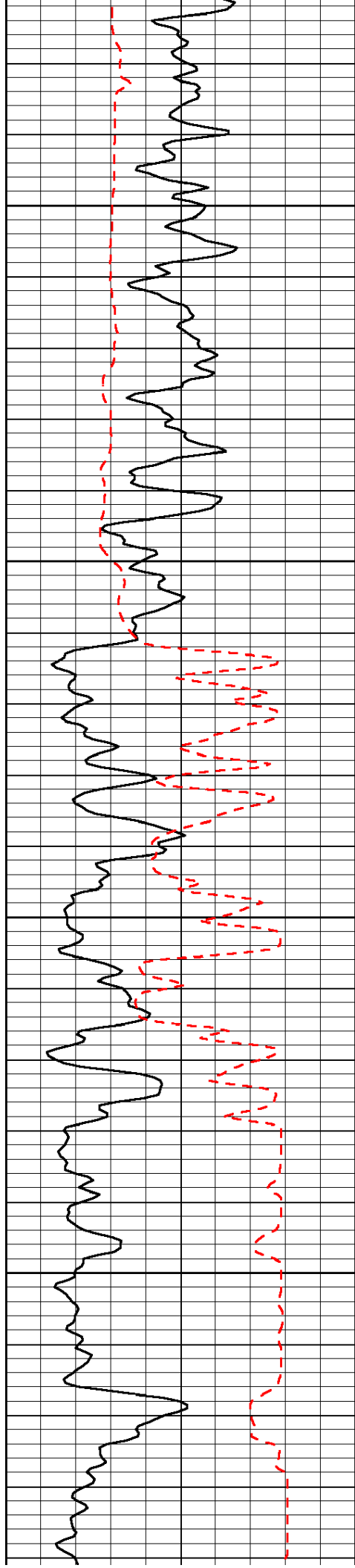


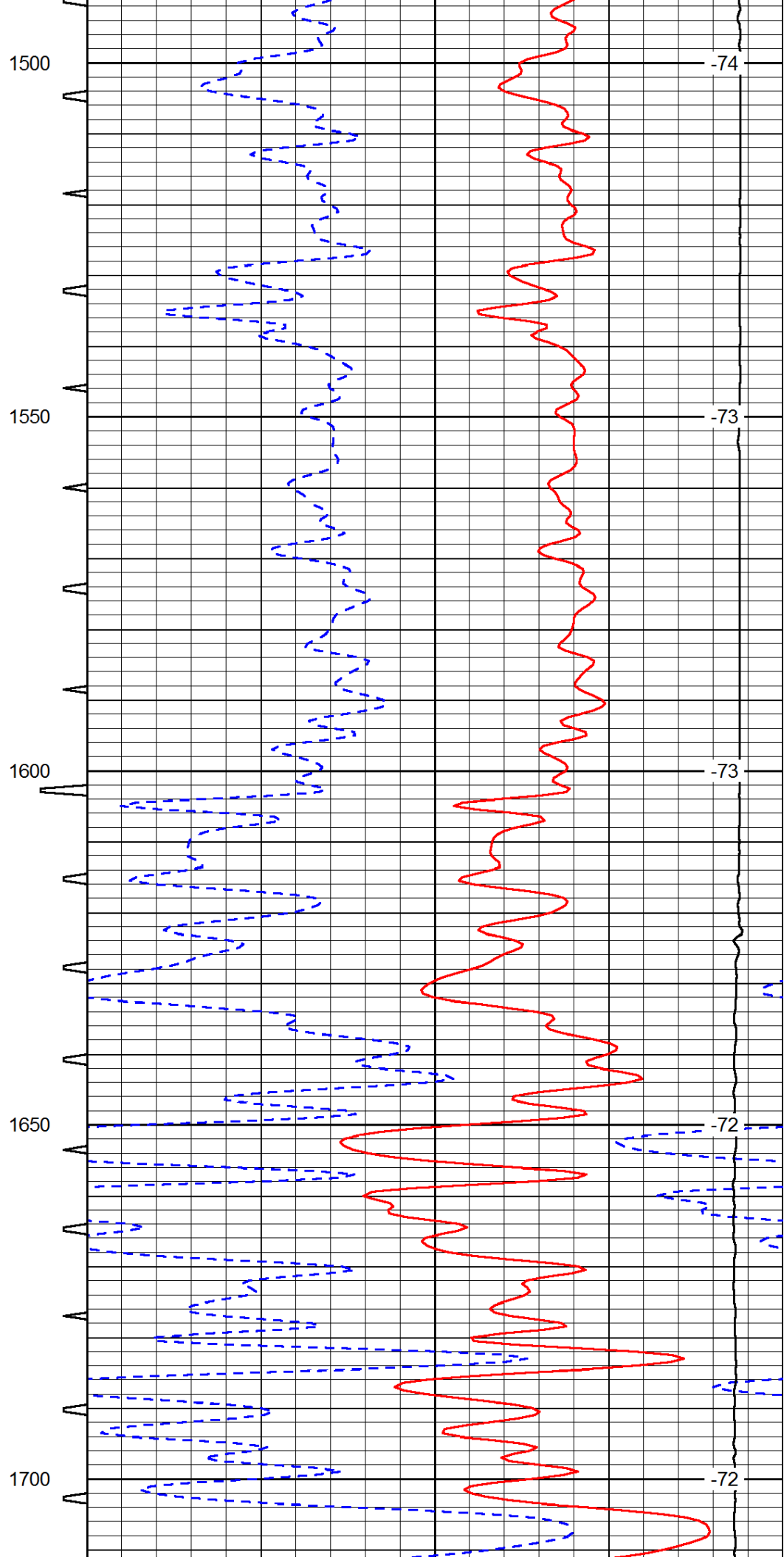
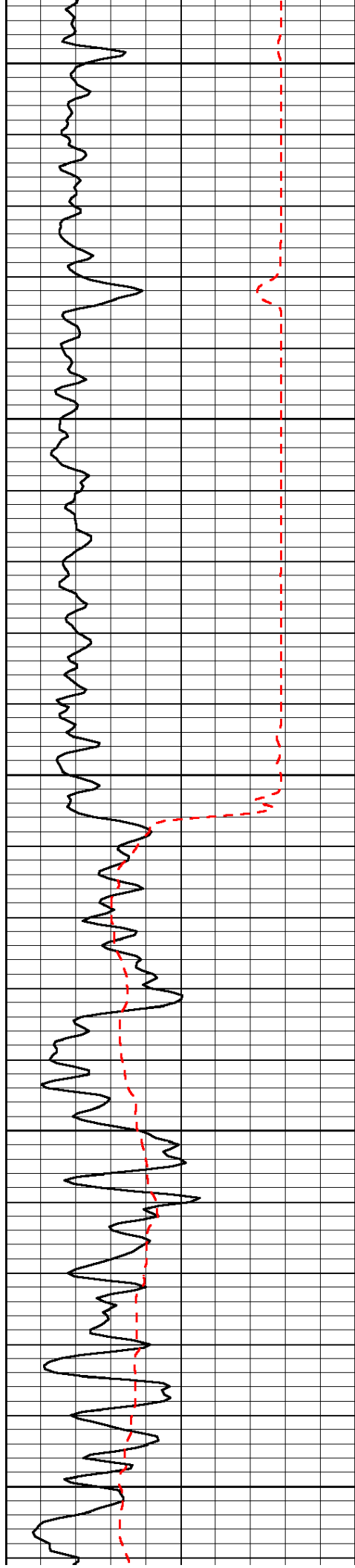


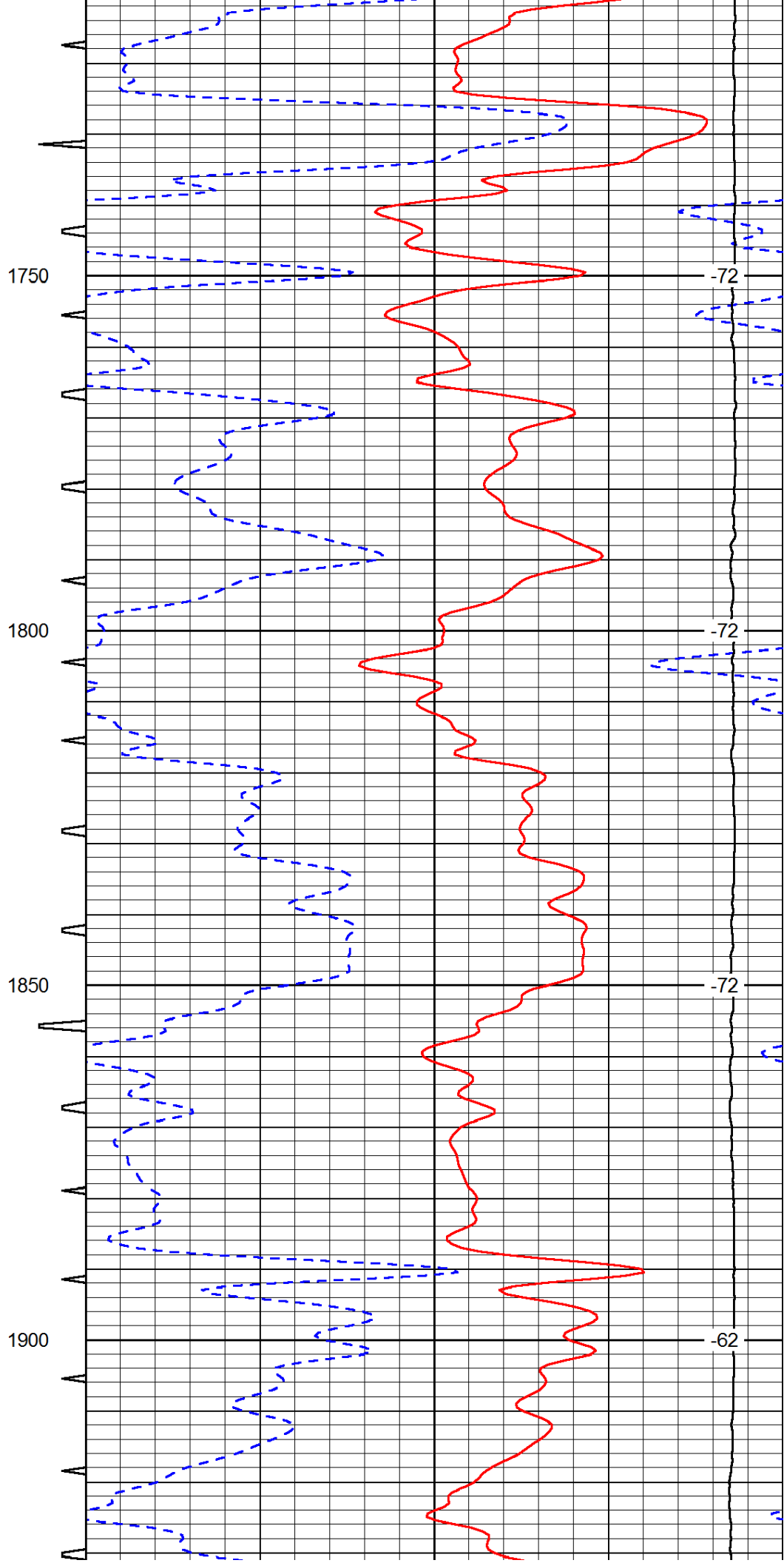
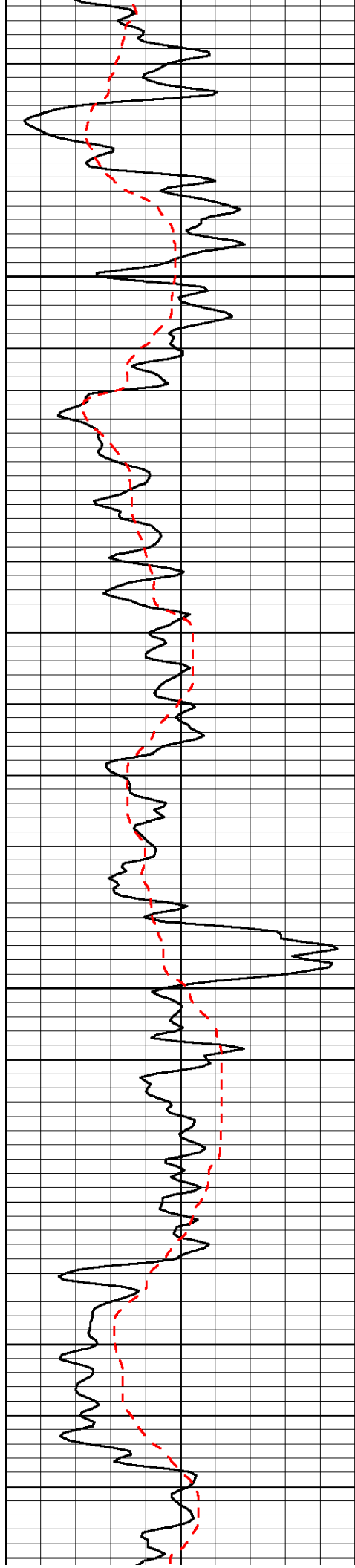


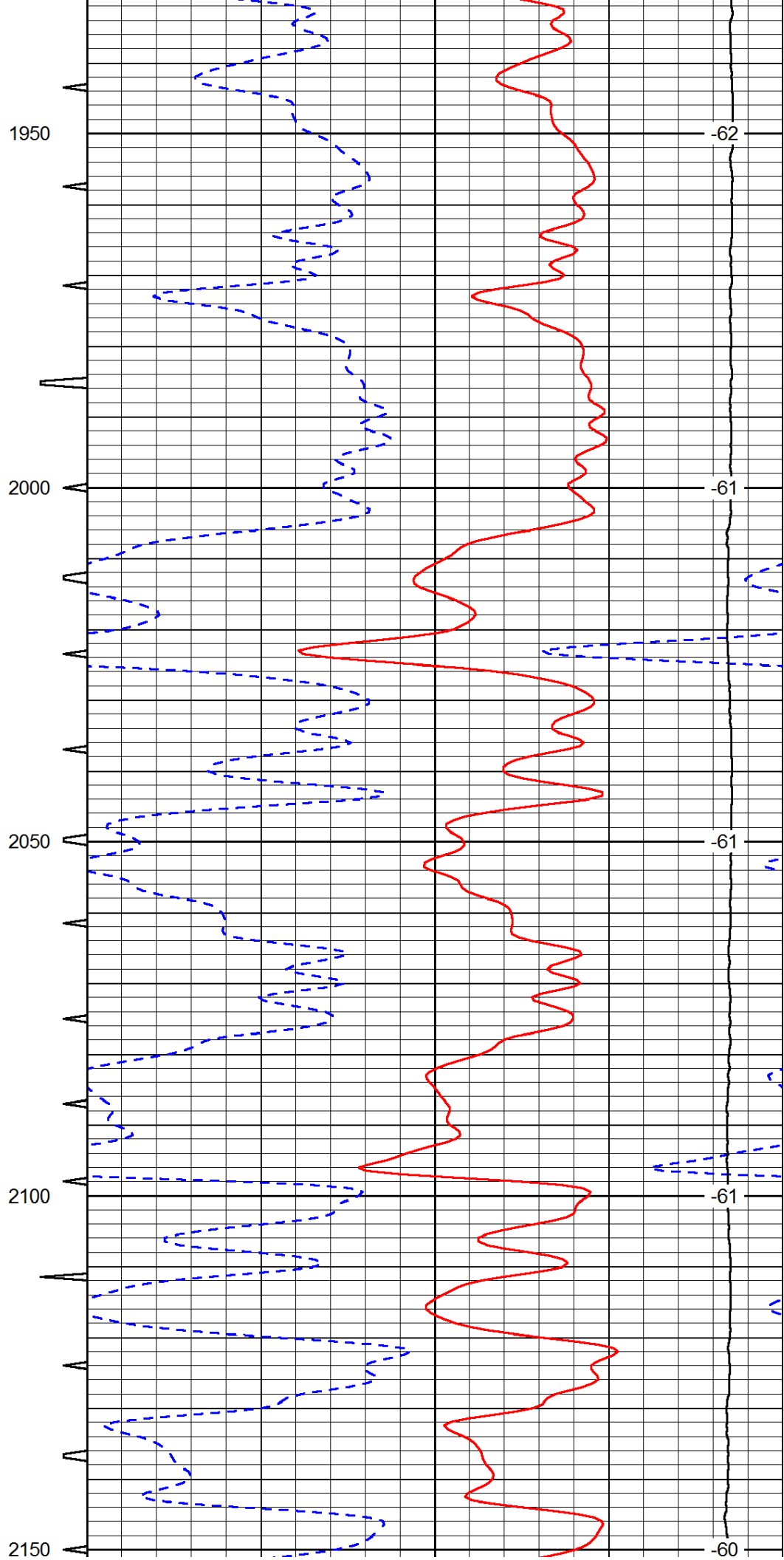
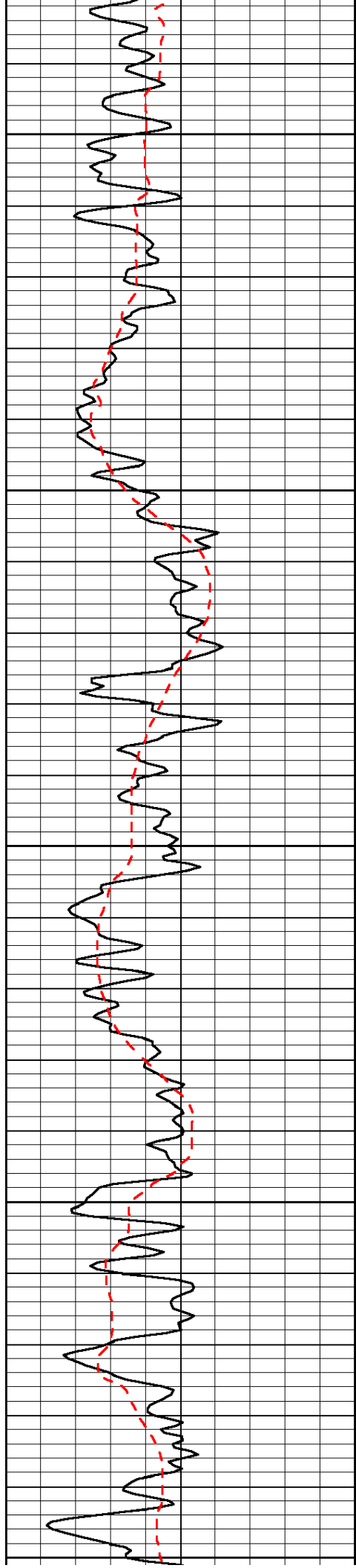


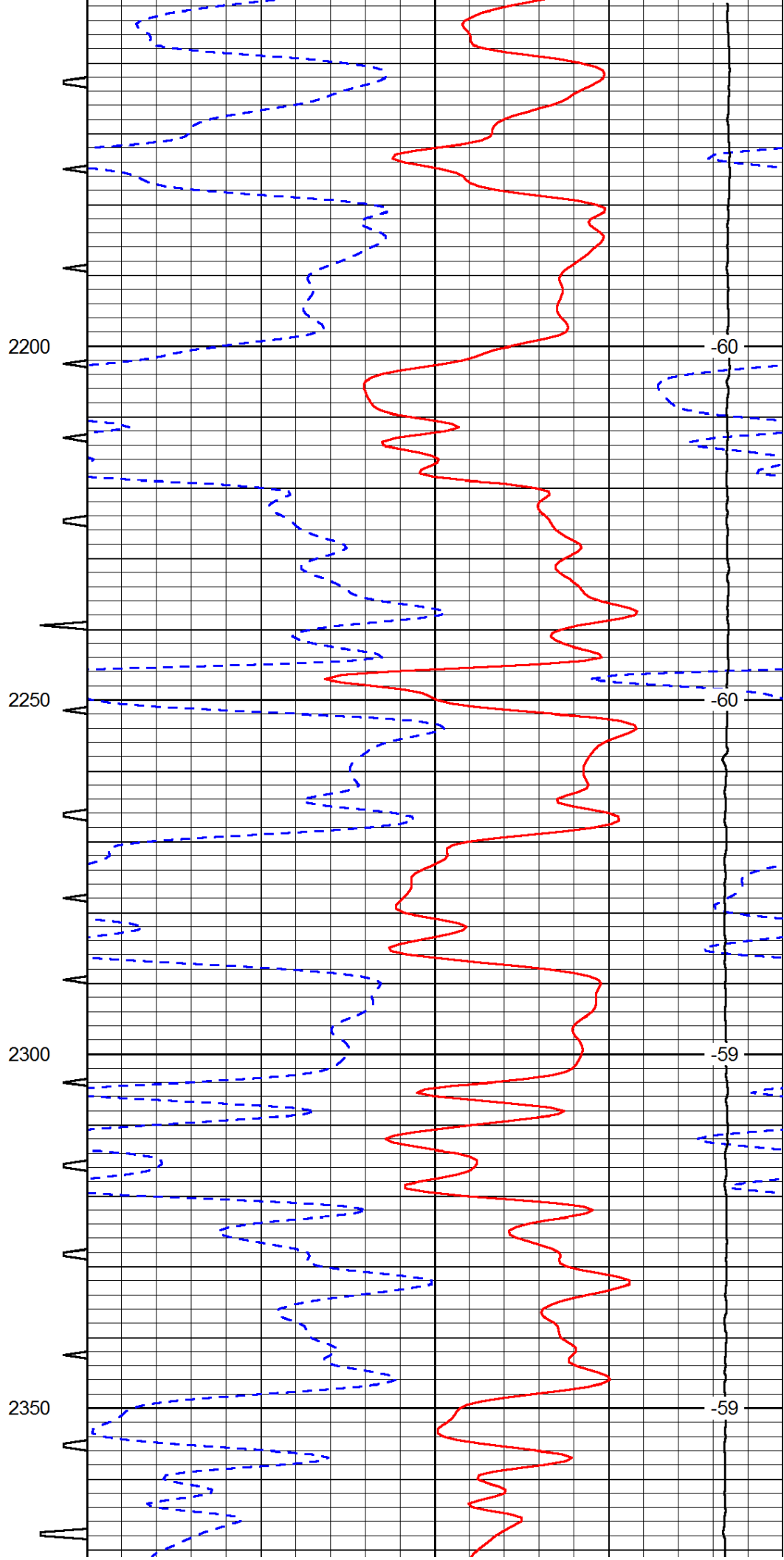
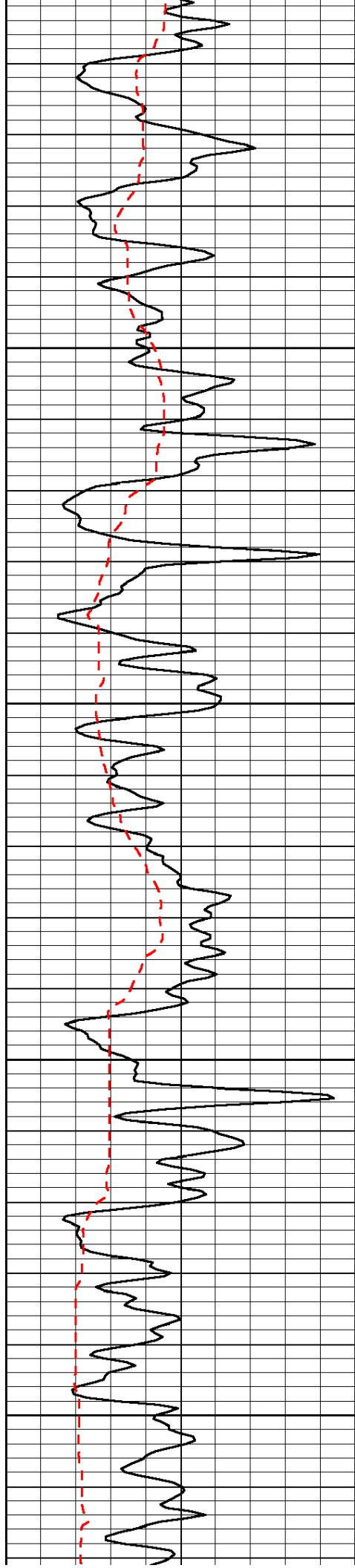


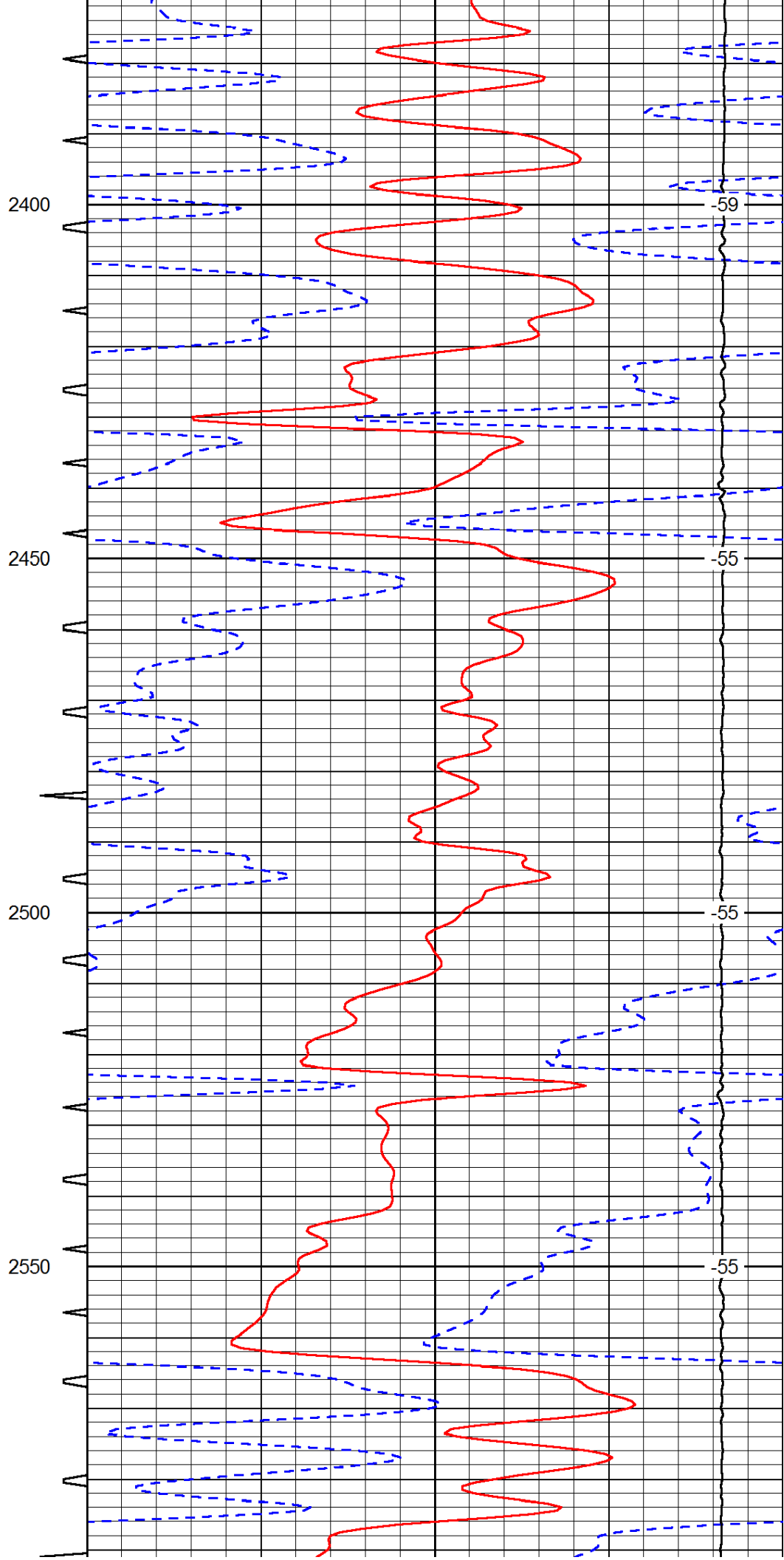
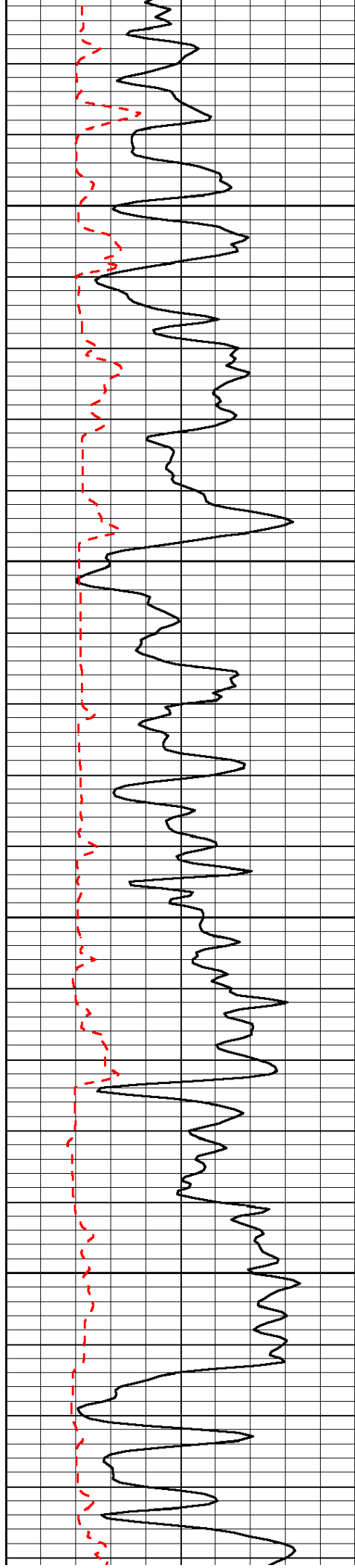


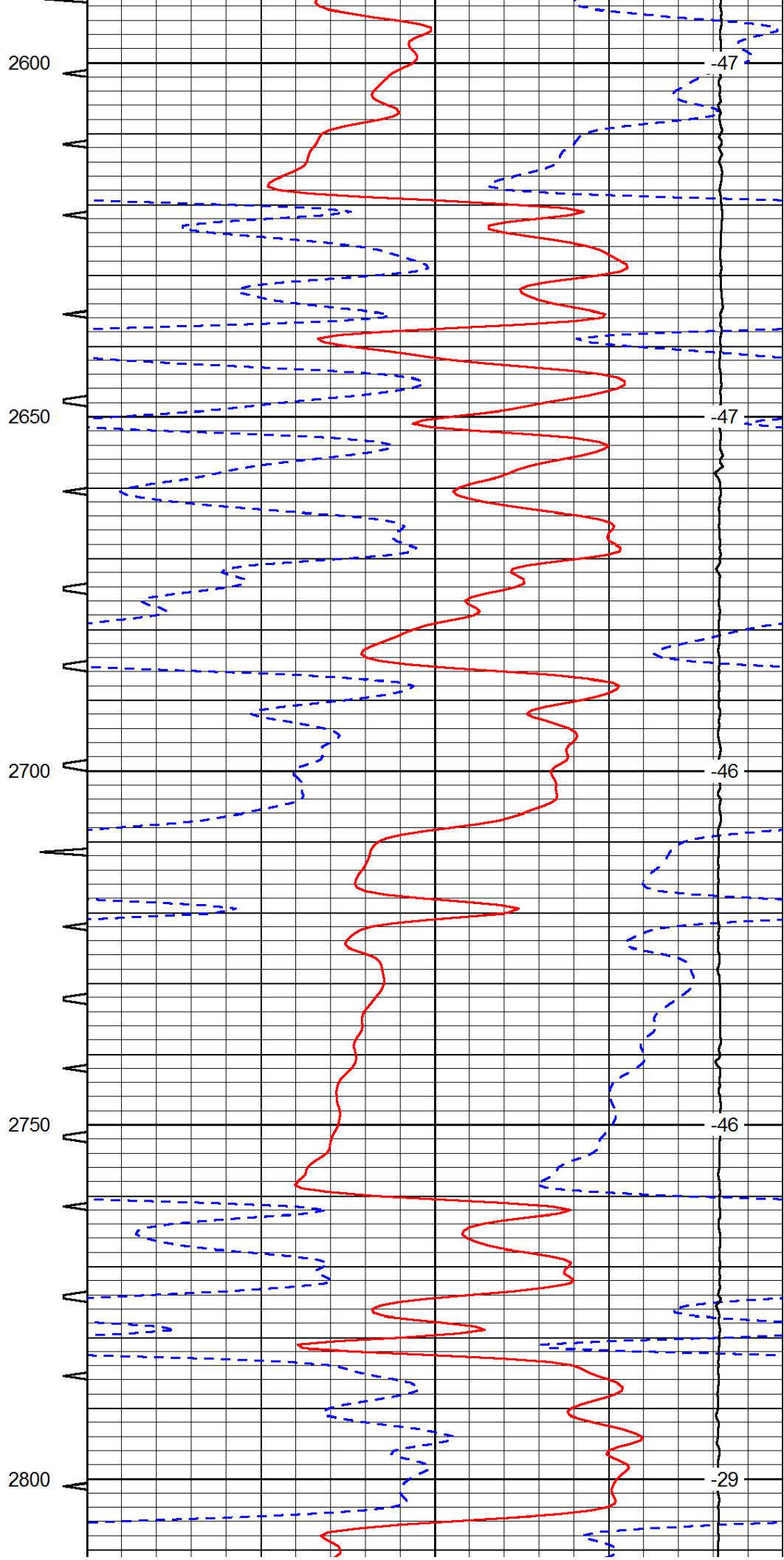
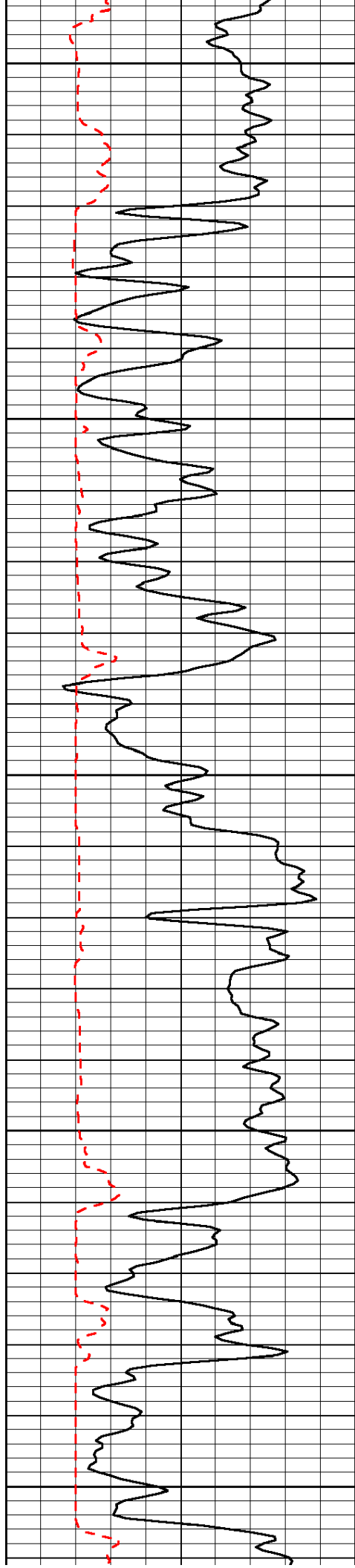


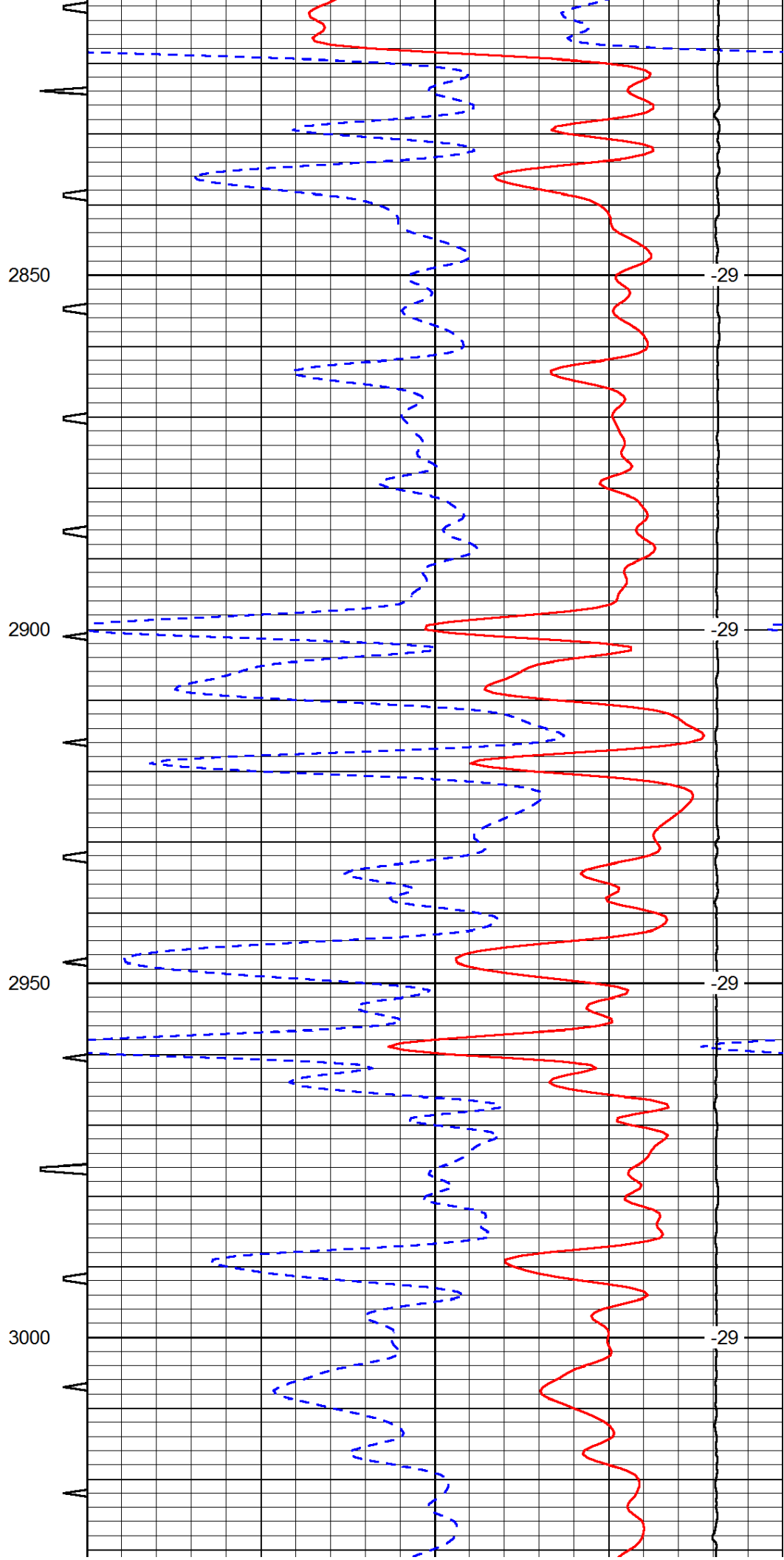
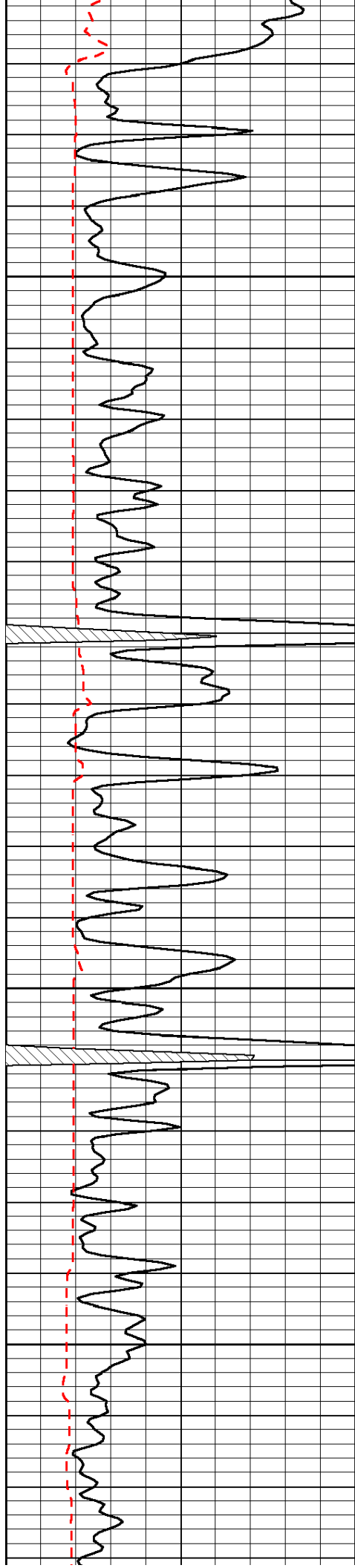


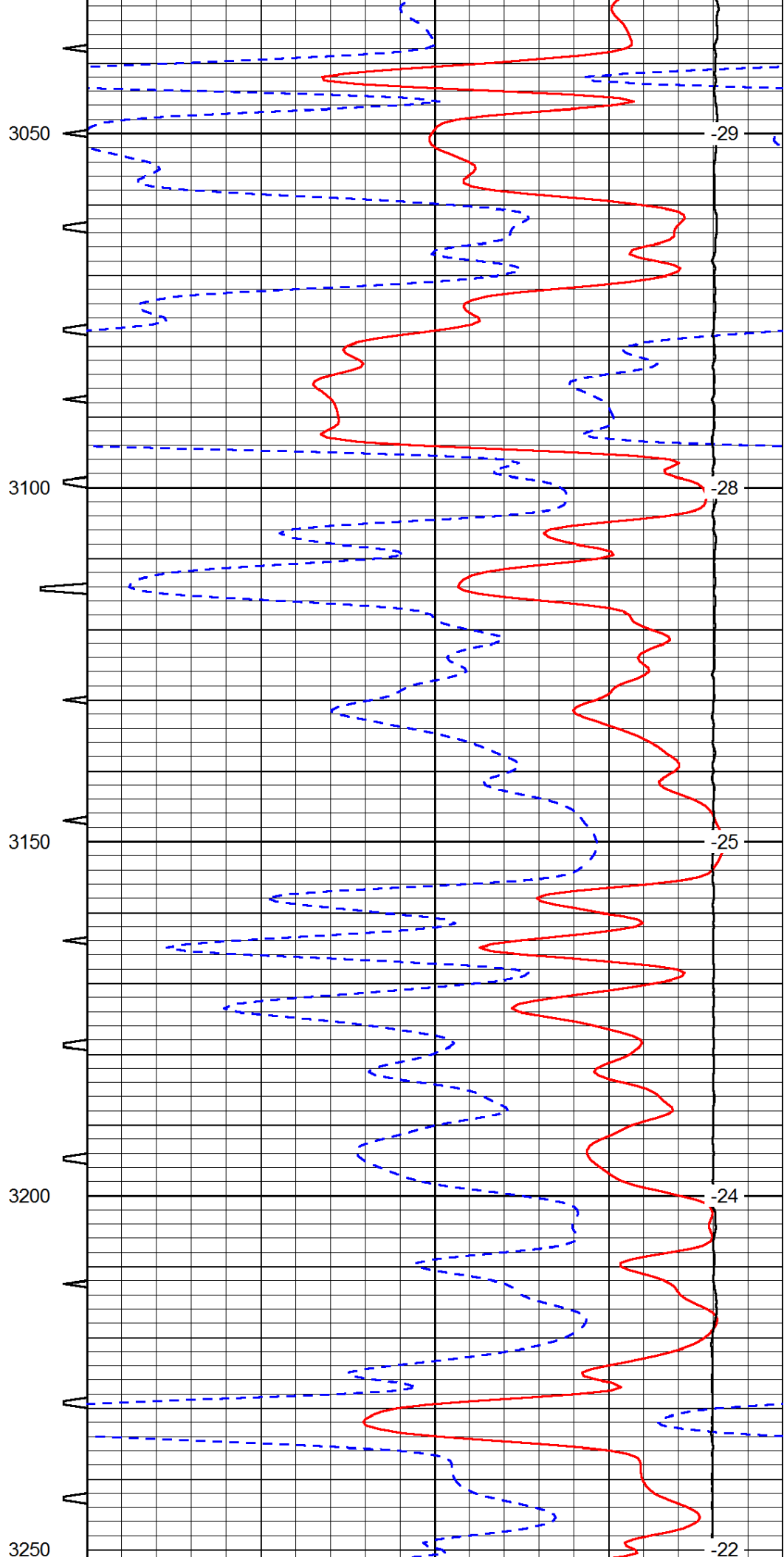
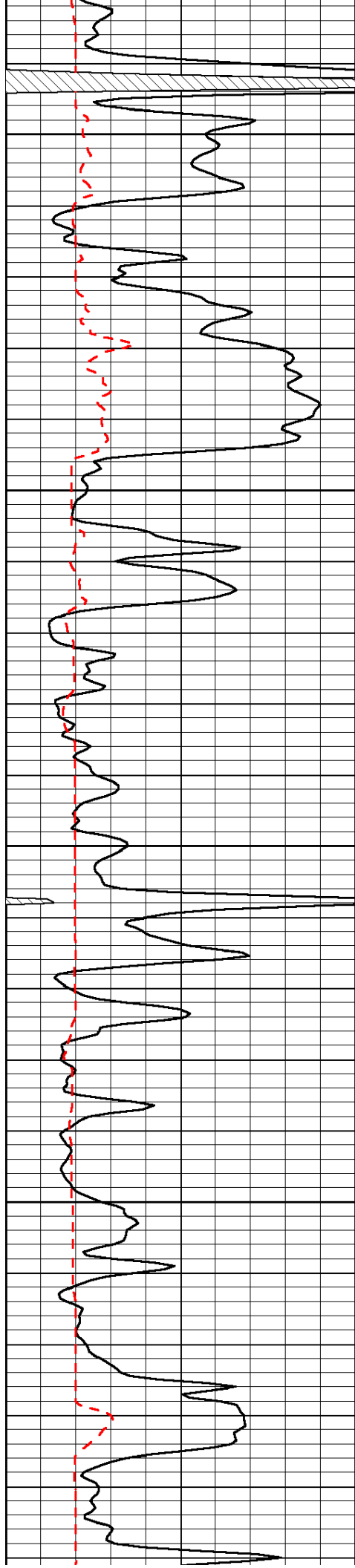


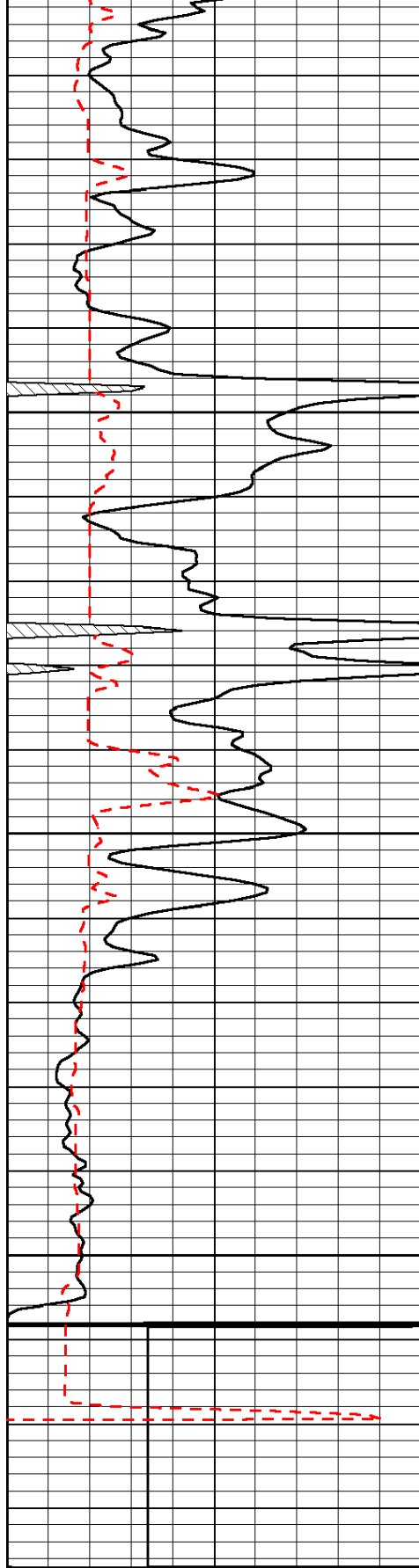




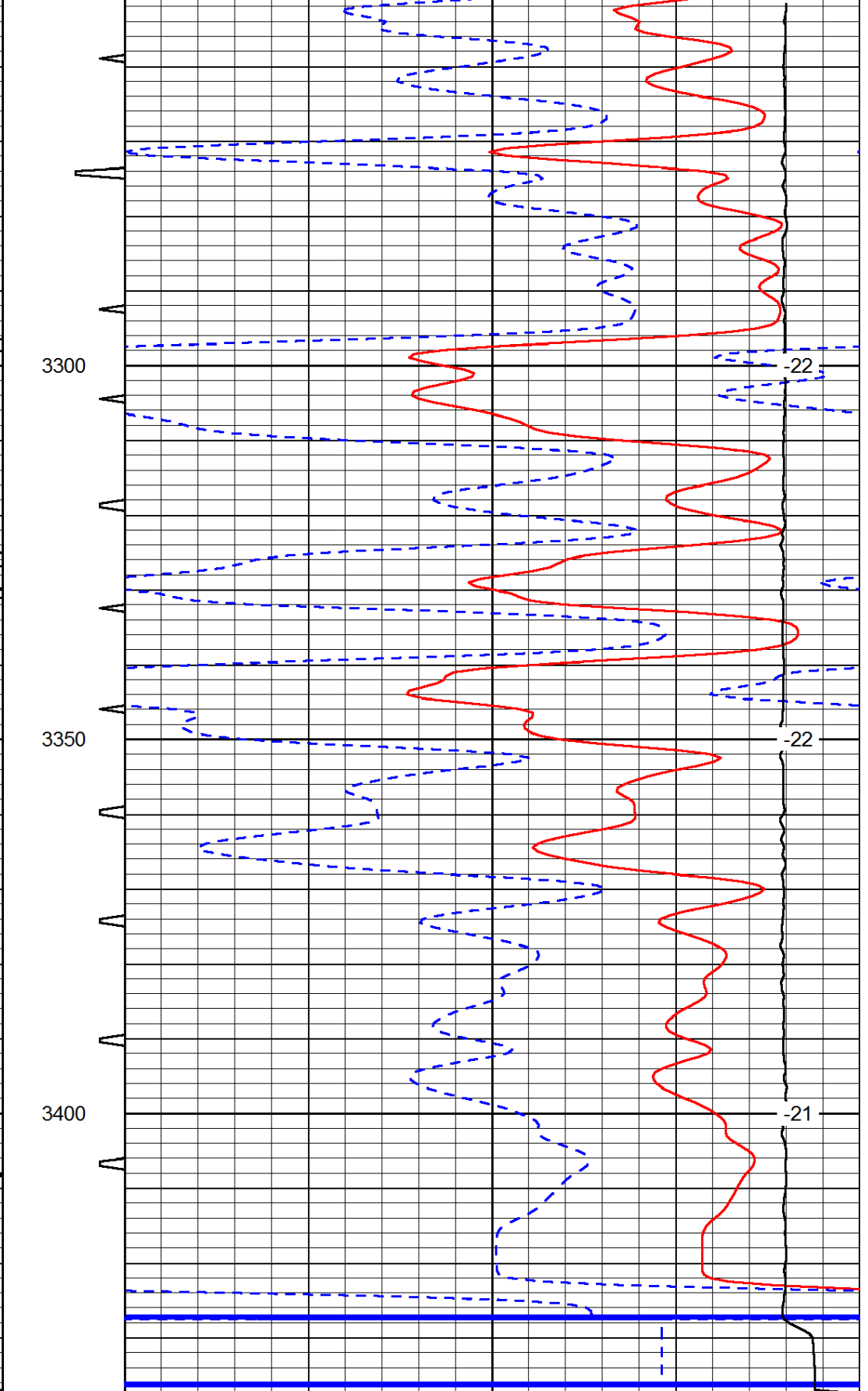








0	Gamma Ray	150
150	Gamma Ray	300
6	Caliper (GAPI)	16



Sonic Int	140	Delta Time (usec/ft)	40
150	30	SPOR	-10
6	15000	LTEN (lb)	0

LSPD