



Pioneer Energy Services

Borehole Compensated Sonic Log

15-153-20952-00-00

Company **Murfin Drilling Company, Inc.**
Well **Burk Trust "C" #2-22**
Field **NA**
County **Rawlins** State **Kansas**

Location
2190' FSL & 1750' FEL
Sec: 22 Twp: 1 S Rge: 36 W

Other Services
CNL/CDL
MEL/DIL

Permanent Datum Ground Level Elevation 3208
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 3213
D.F.
G.L. 3208

Date 10/16/2013

Run Number Two

Type Log BHC Sonic

Depth Driller 4510

Depth Logger 4510

Bottom Logged Interval 4499

Top Logged Interval 200

Type Fluid In Hole Chemical

Salinity, PPM CL 800

Density 9.3

Level Full

Max. Rec. Temp. F 123

Operating Rig Time 5 Hours

Equipment -- Location 91 Days

Recorded By Y. Ruiz

Witnessed By Robert Hendrix

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
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1	12.25	00	218	8.625	24#	00	218
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2	7.875	218	4510				
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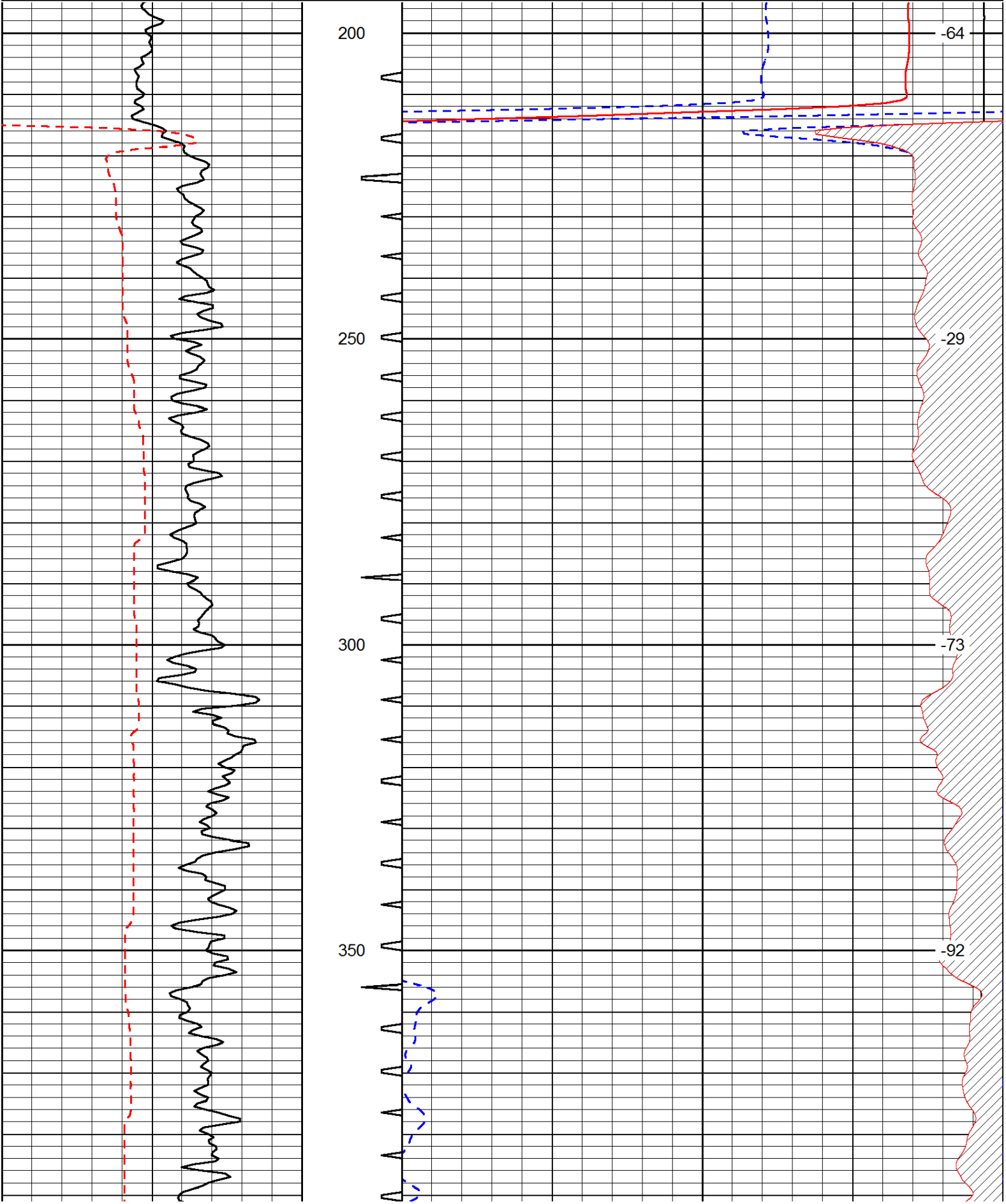
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

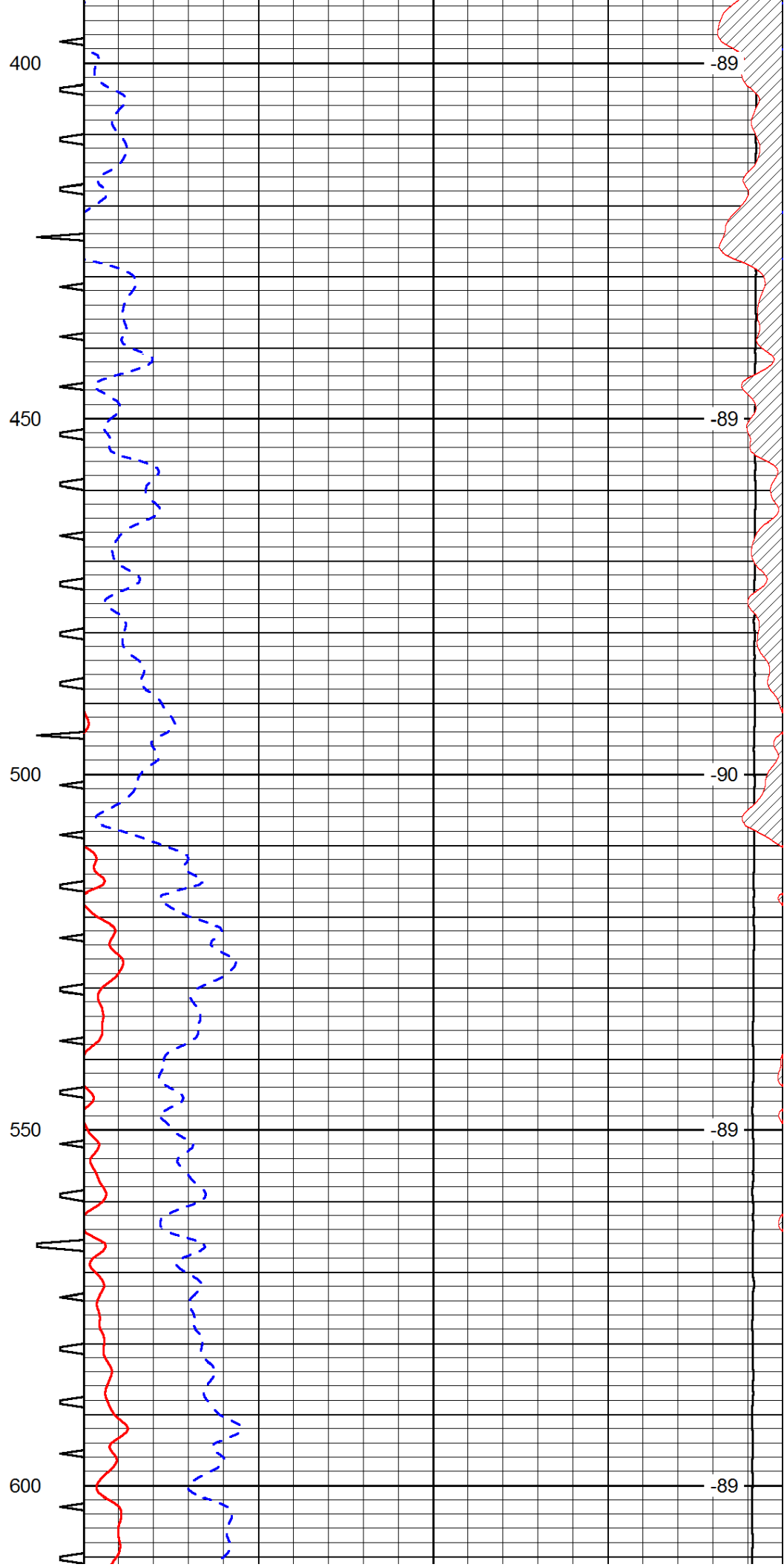
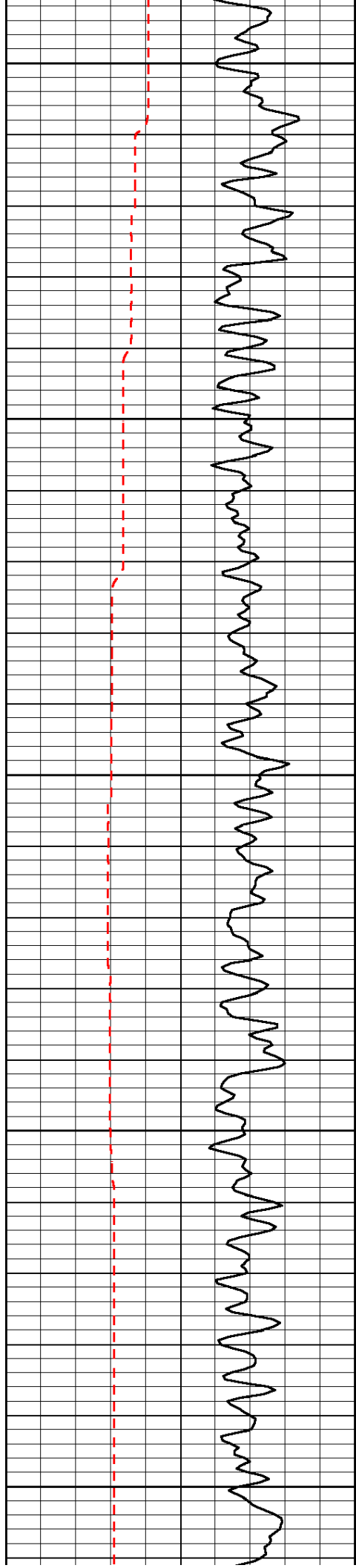
Comments

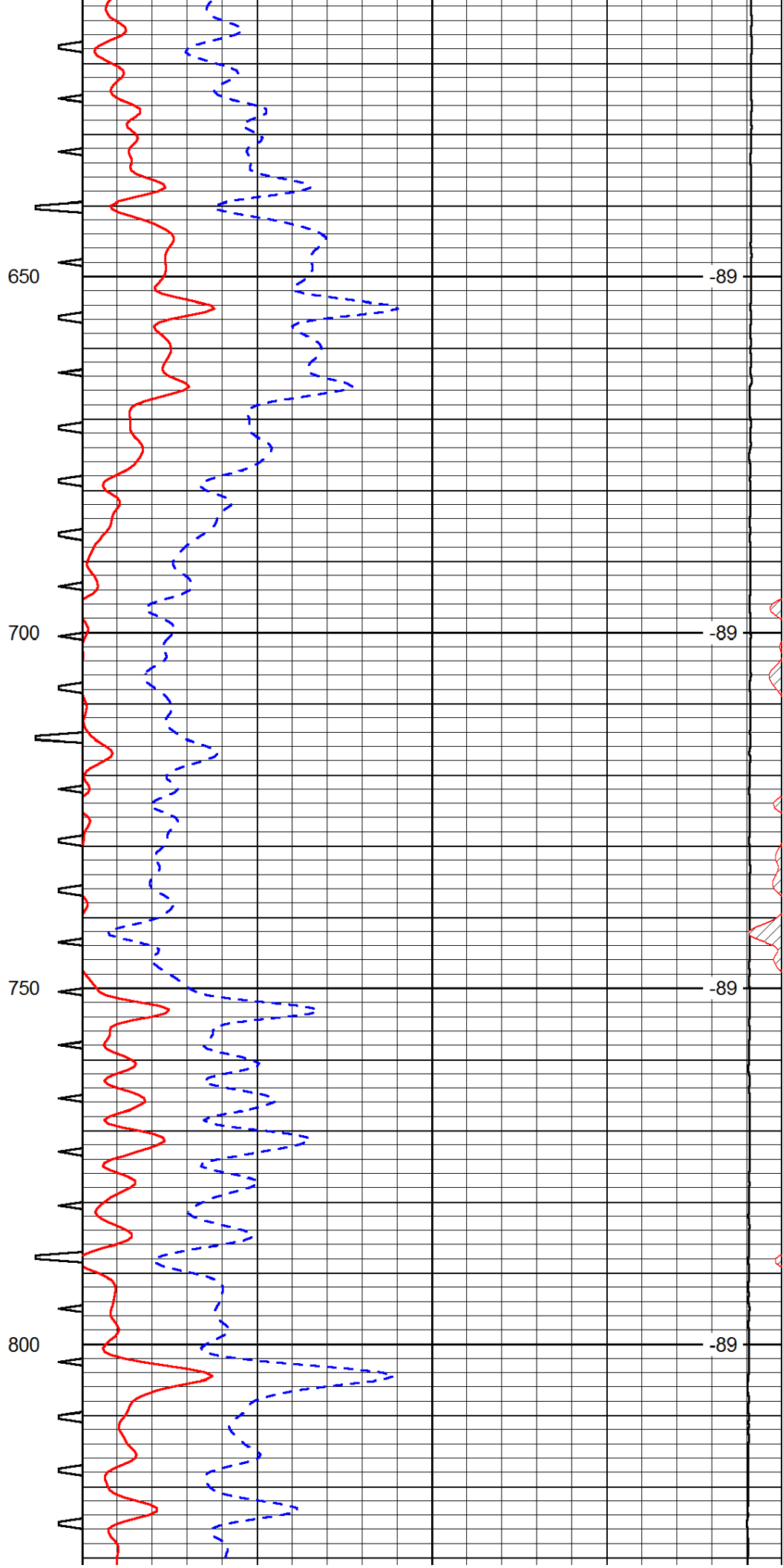
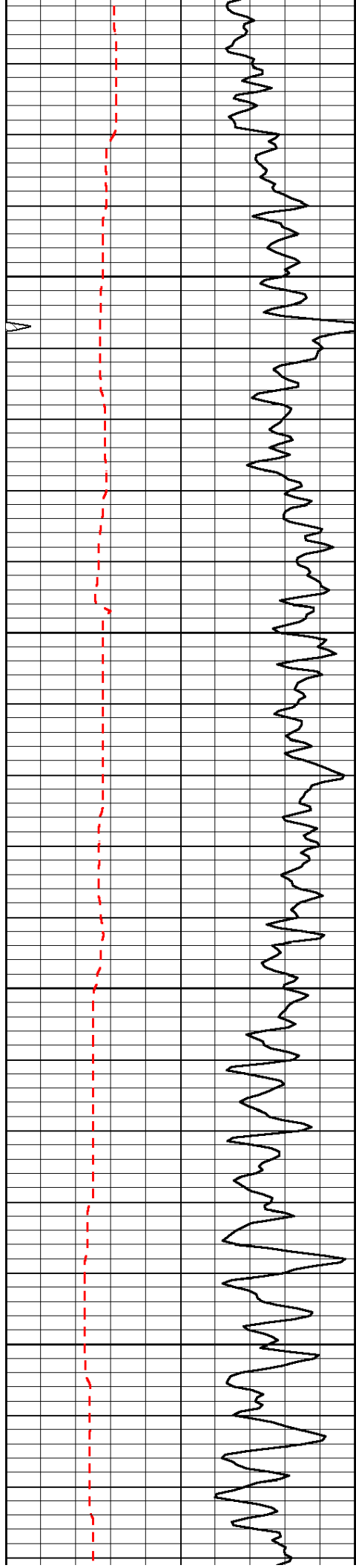
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Beardsley,
North to AA Rd, 5 1/2 West,
North into

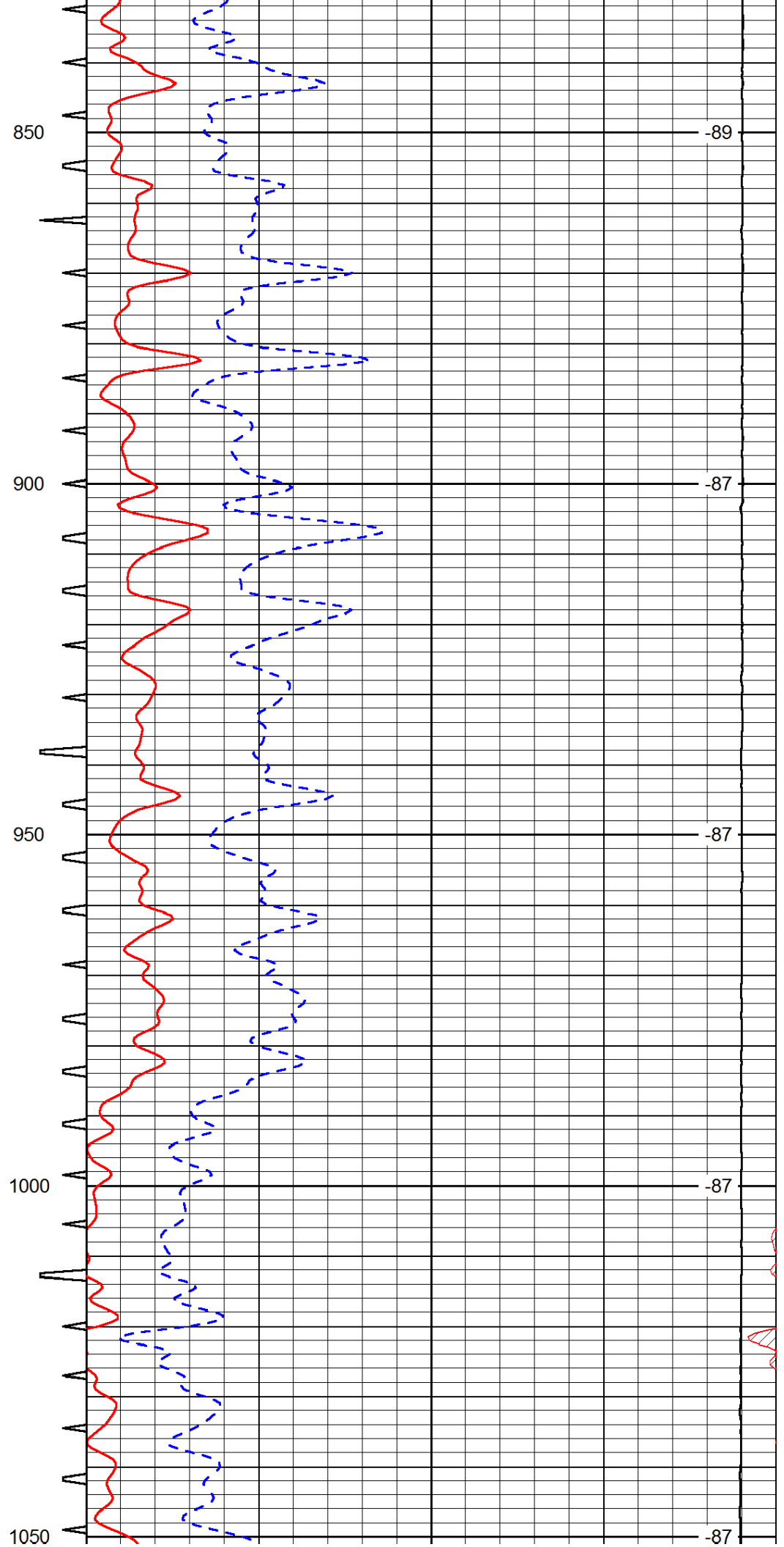
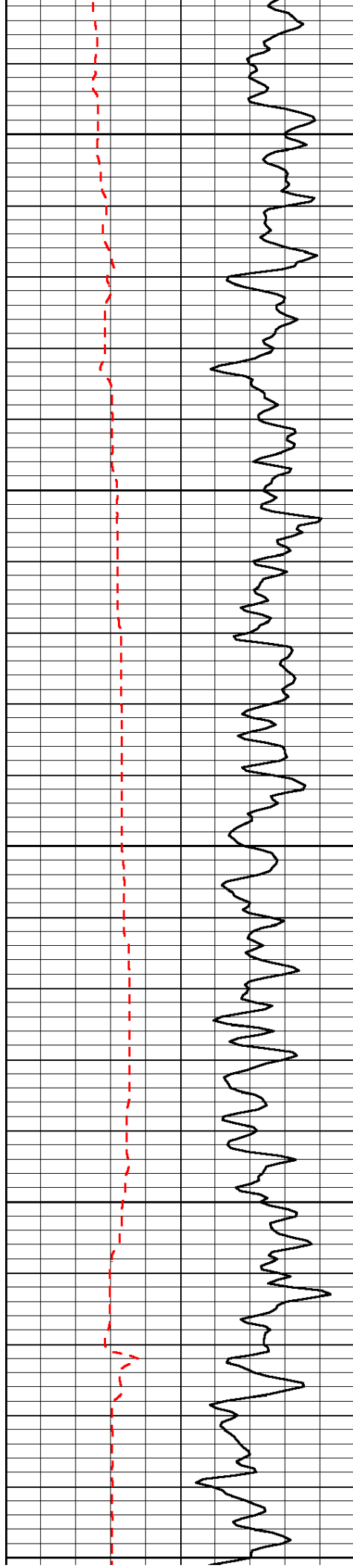
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Dataset Pathname: dil\murfinstk
Presentation Format: sonic
Dataset Creation: Wed Oct 16 13:05:11 2013
Charted by: Depth in Feet scaled 1:240

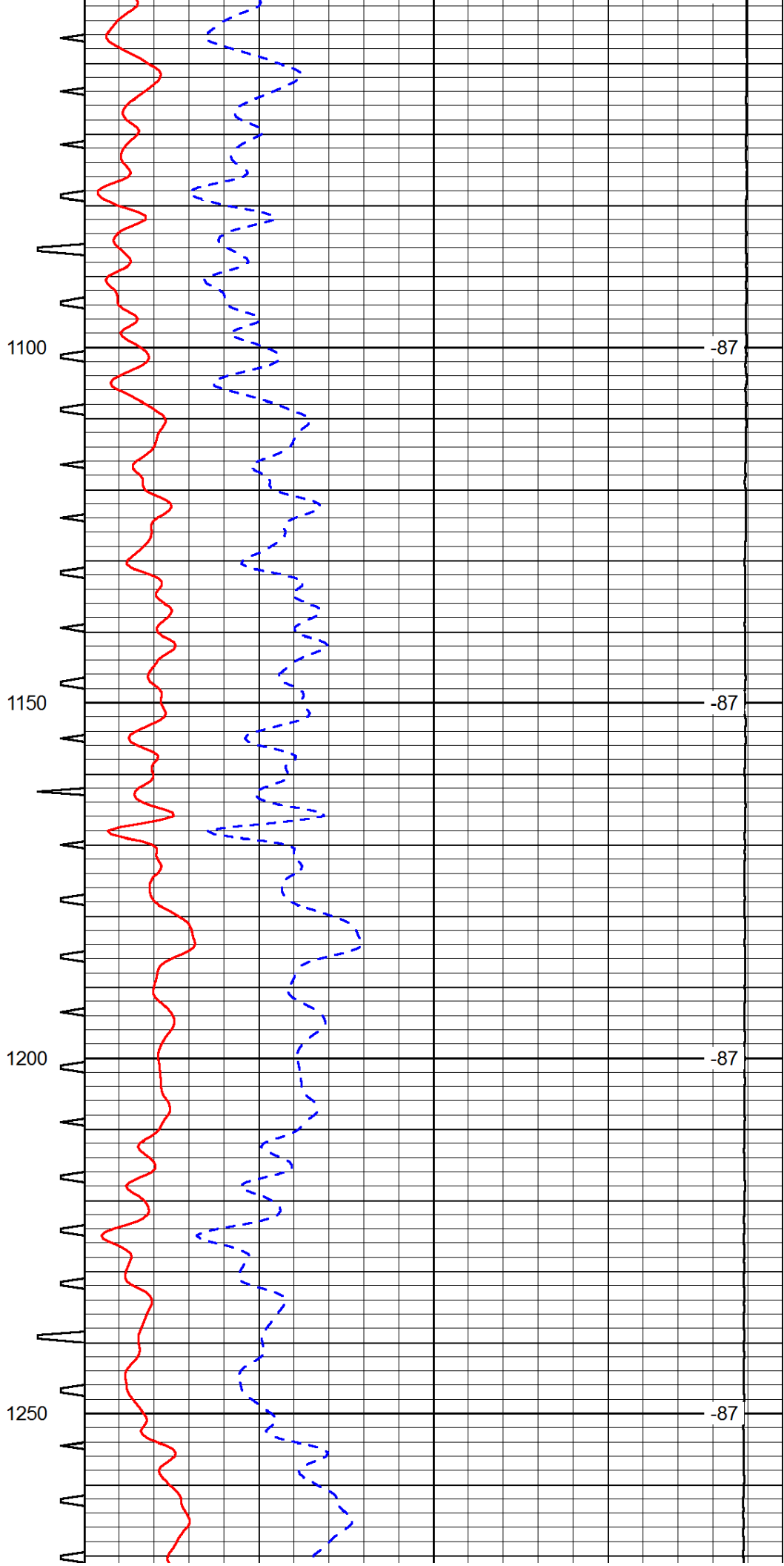
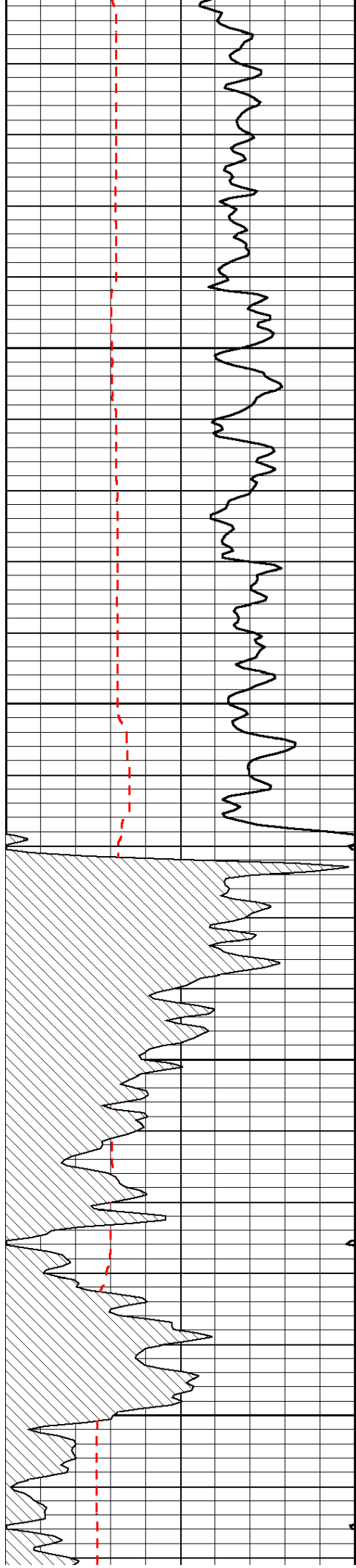
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150		Gamma Ray	300			30	SPOR	-10
6		Caliper (GAPI)	16			15000	LTEN (lb)	0
								LSPD

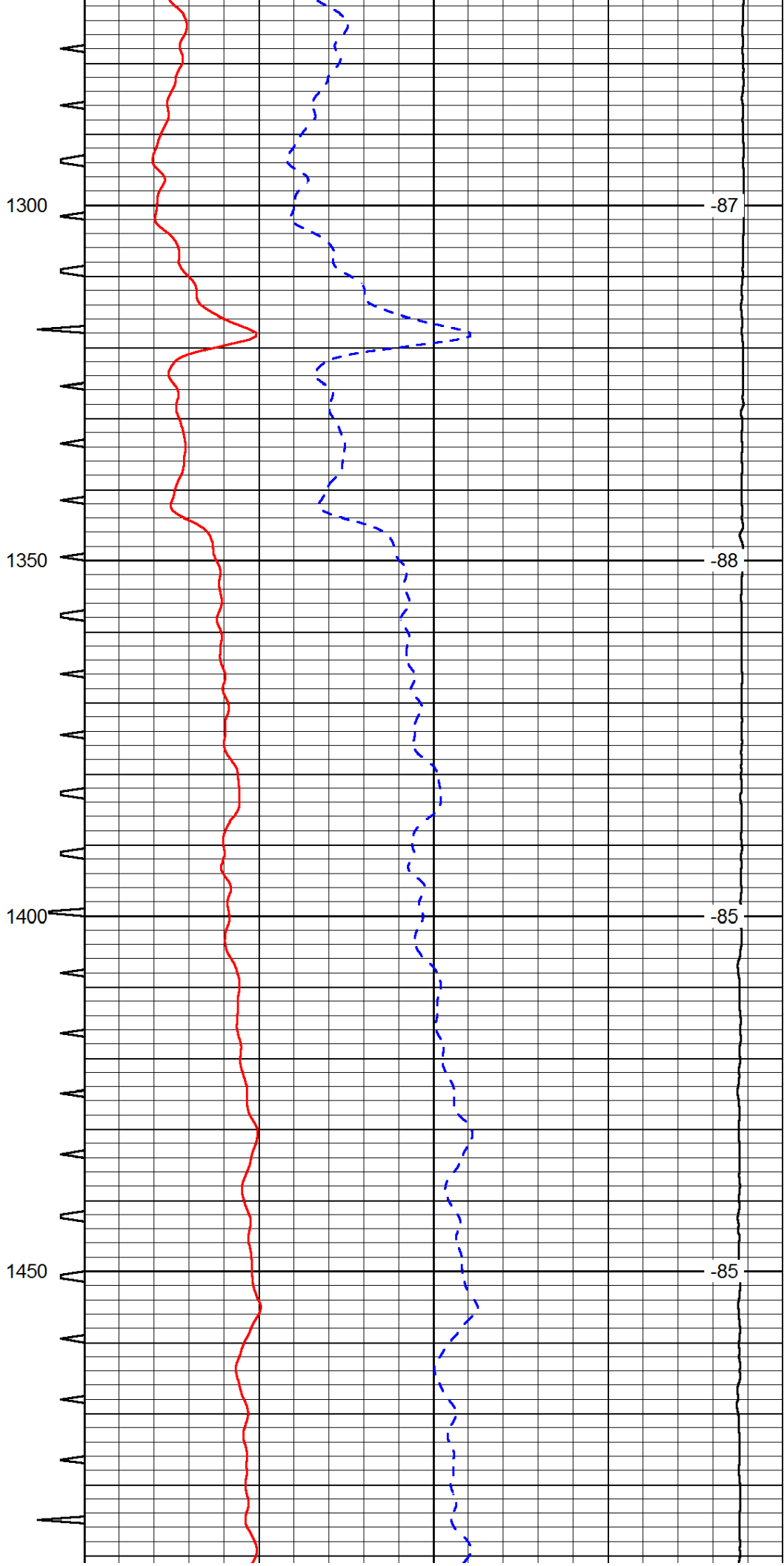
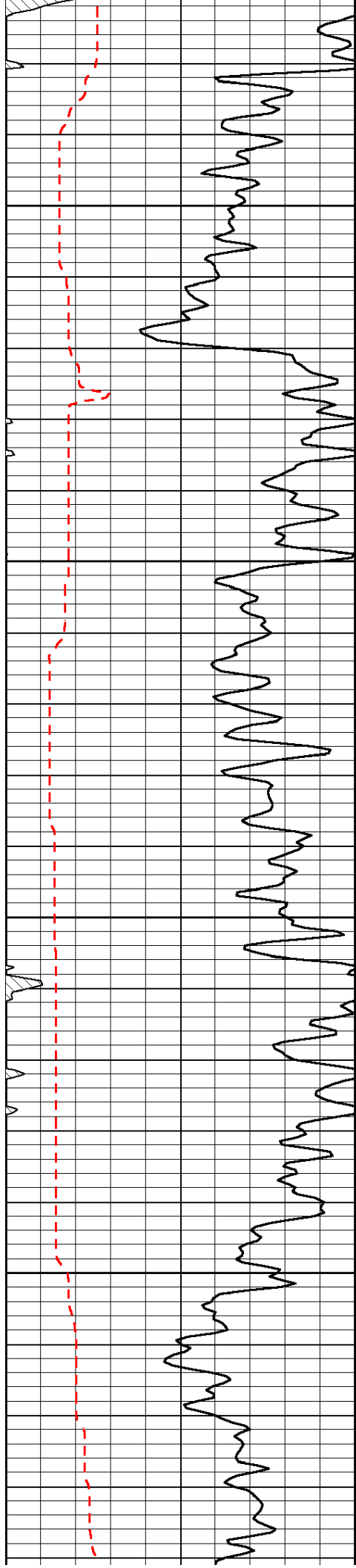


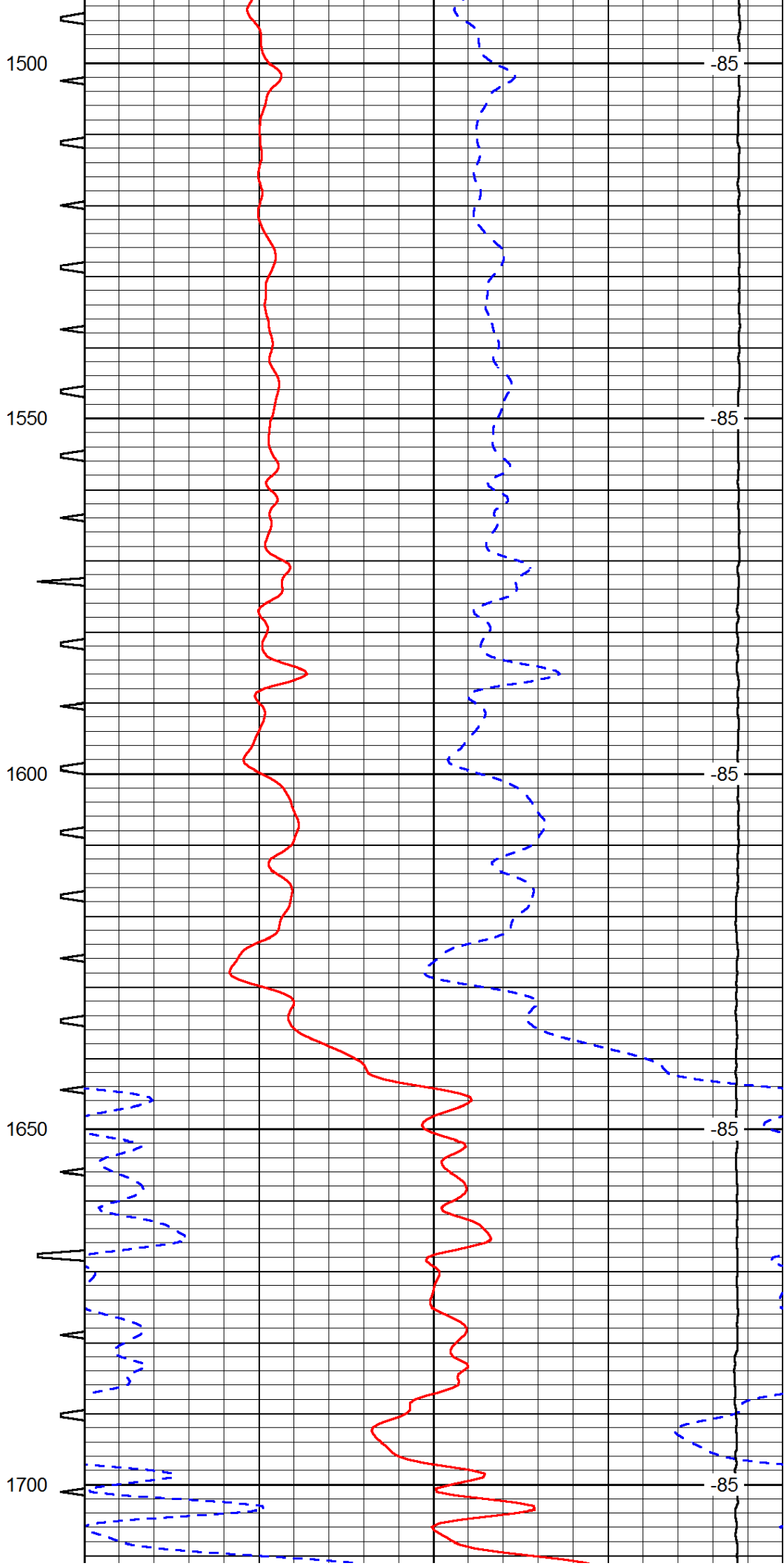
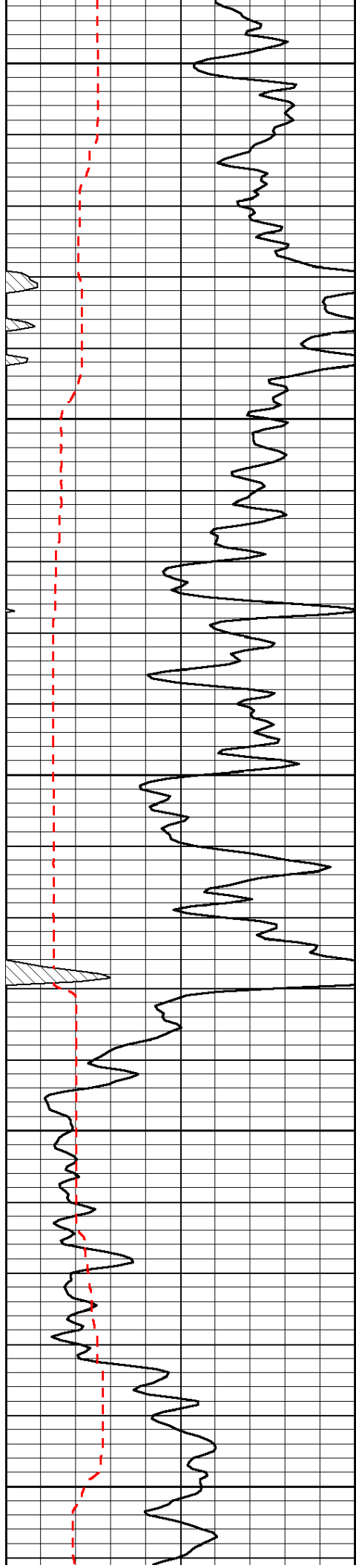


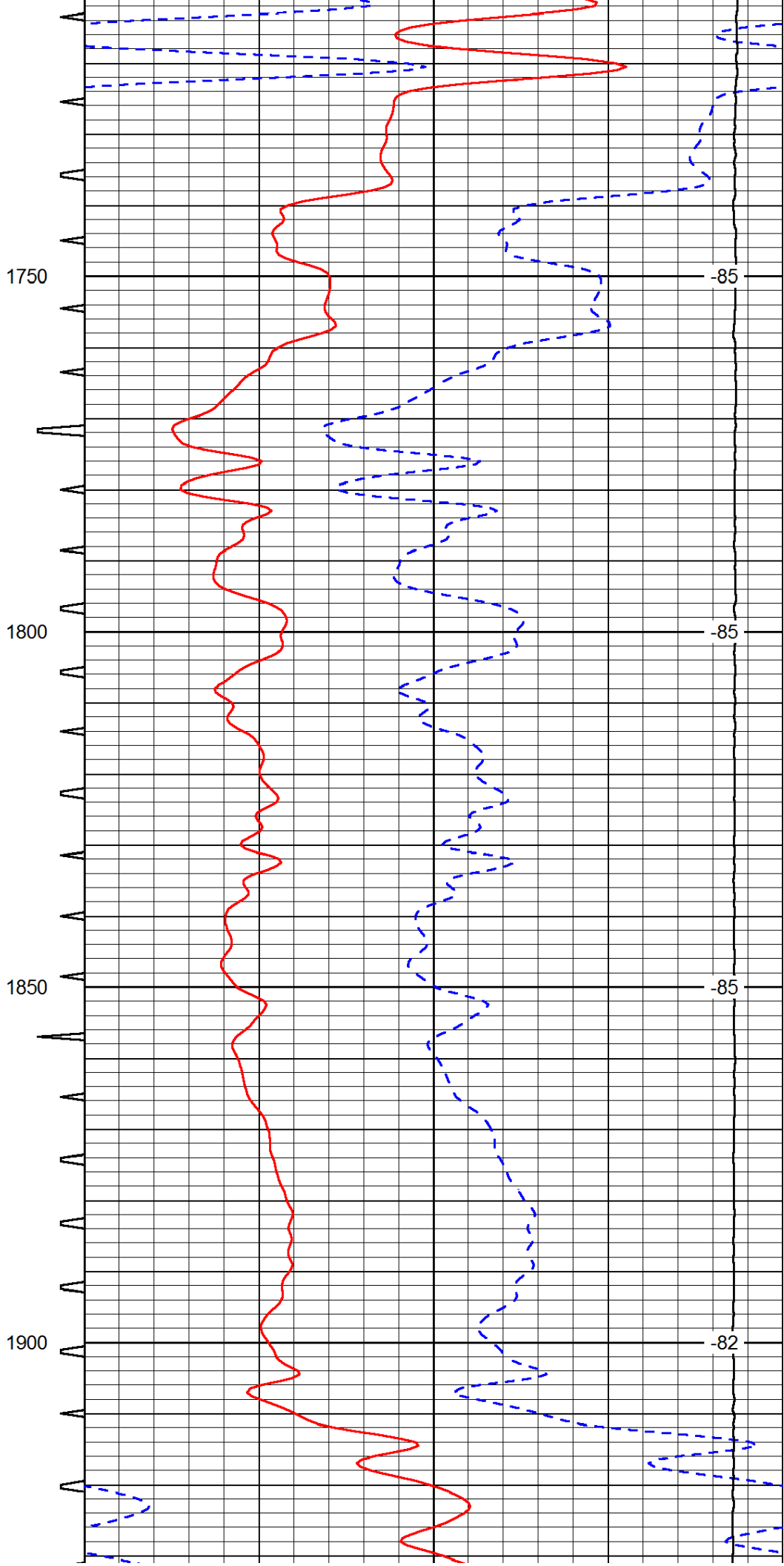
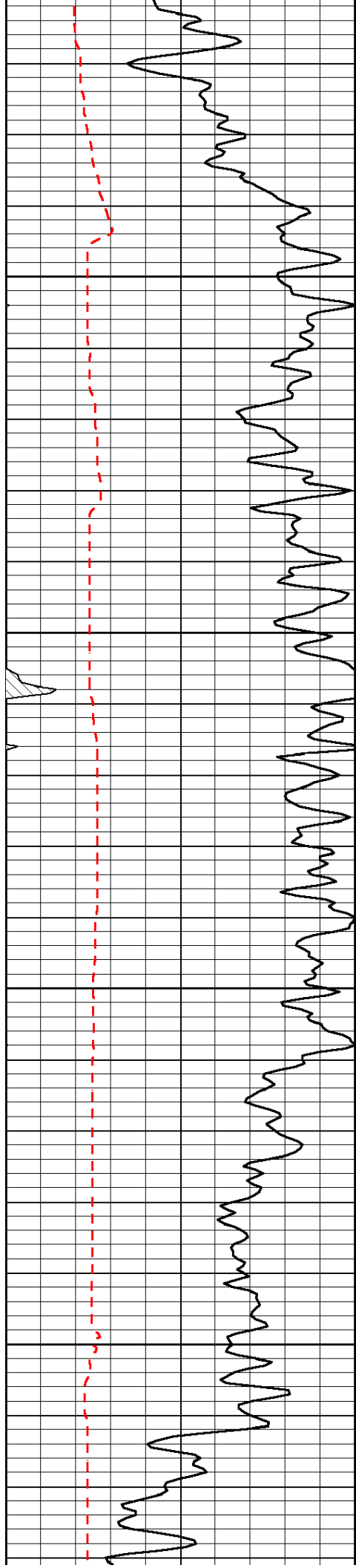


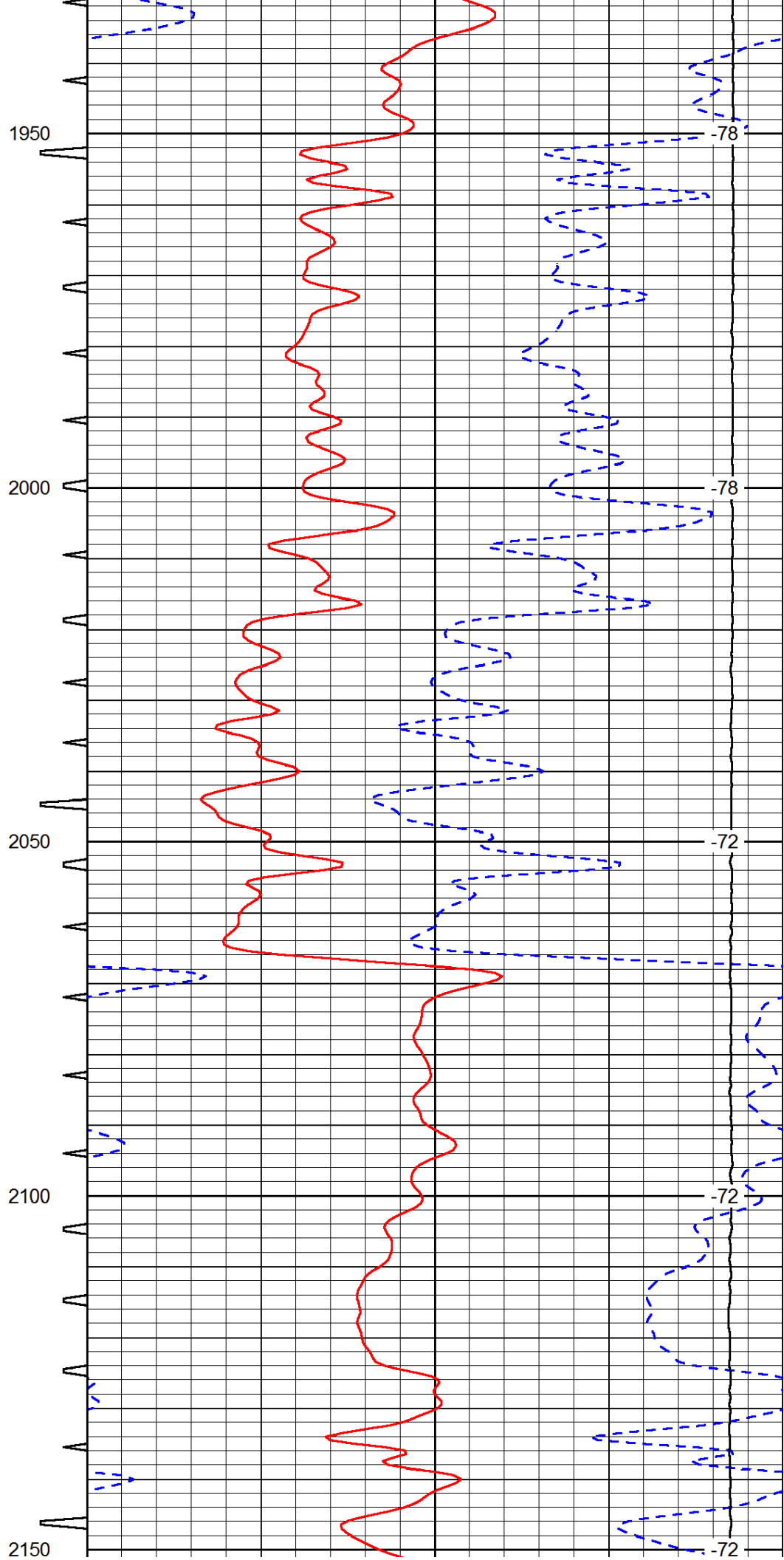
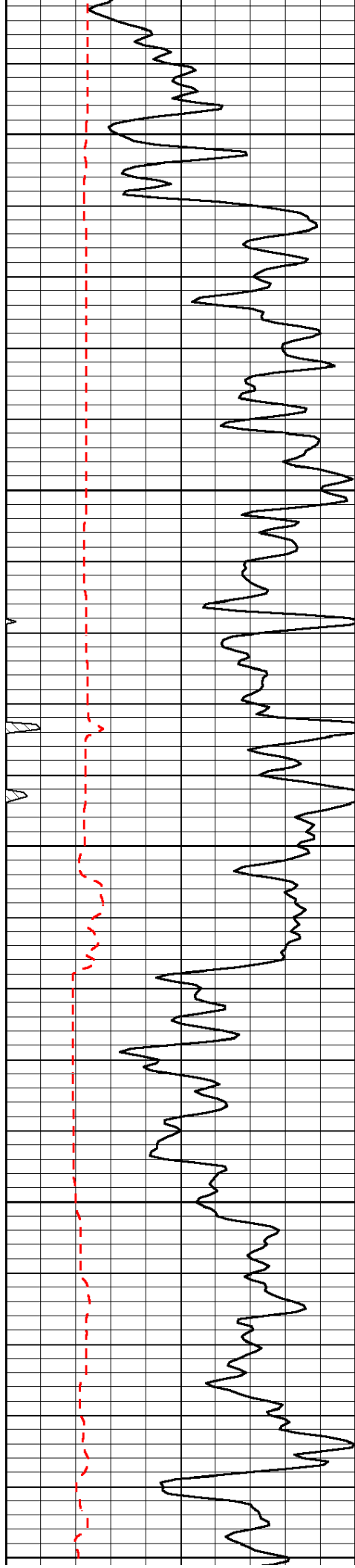


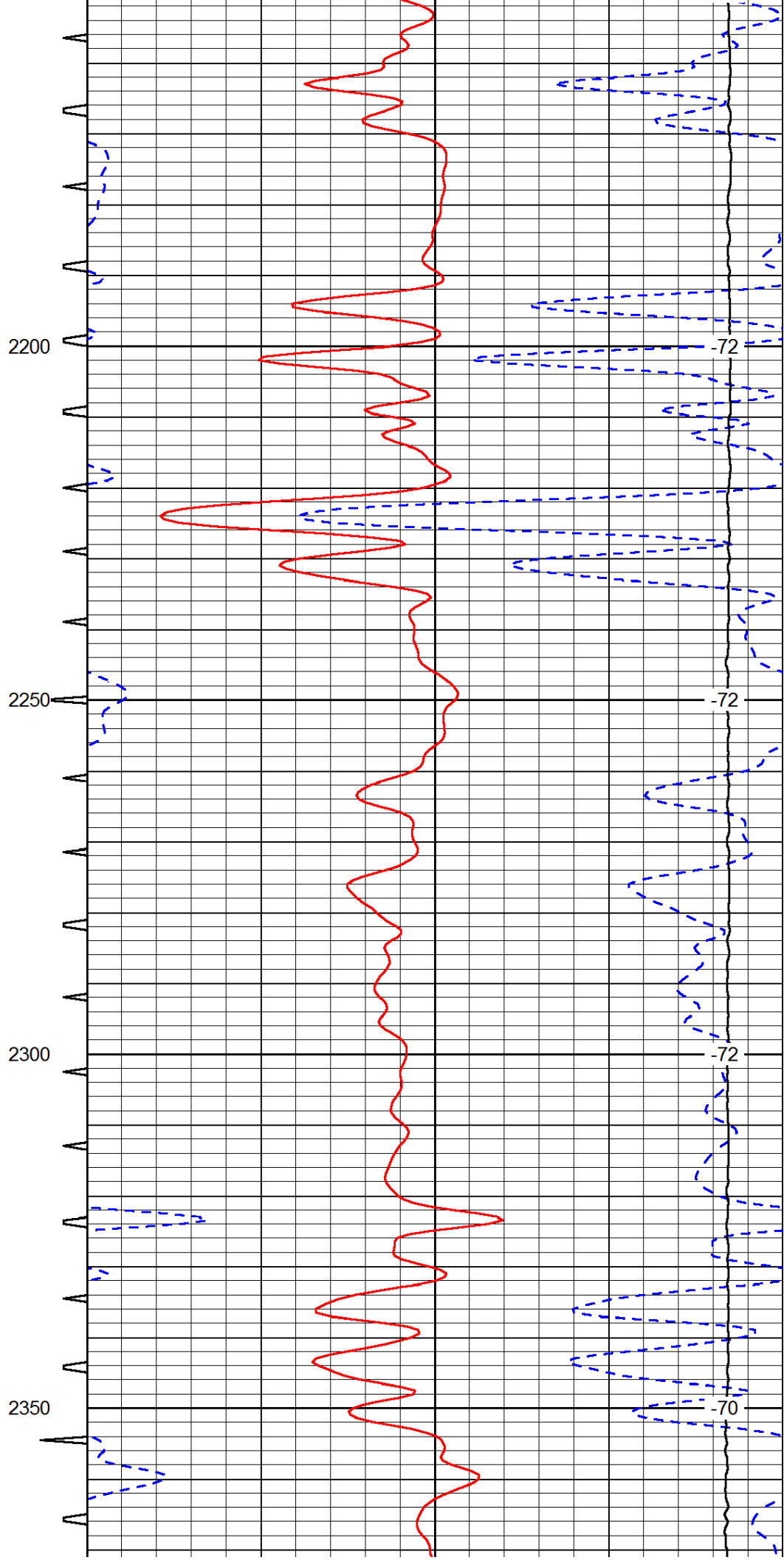
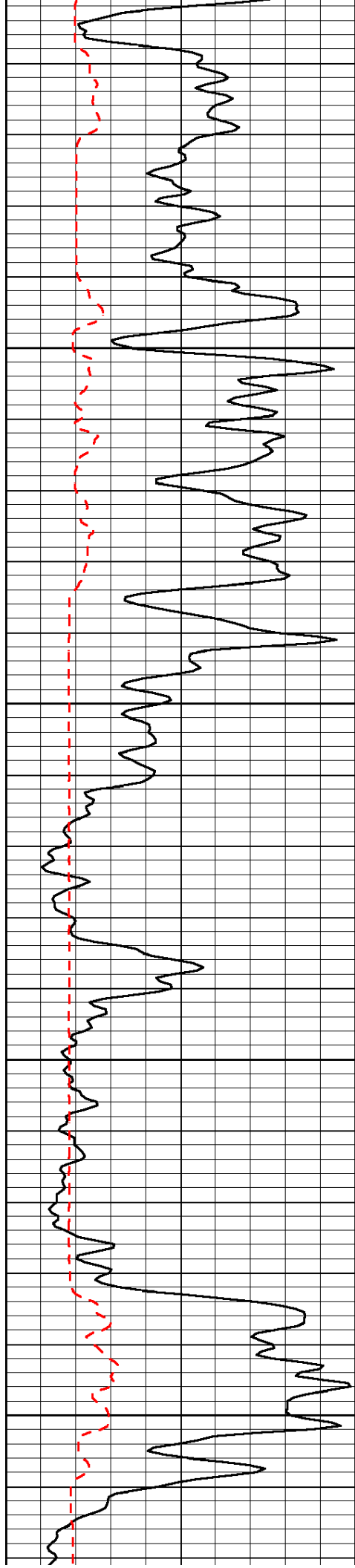


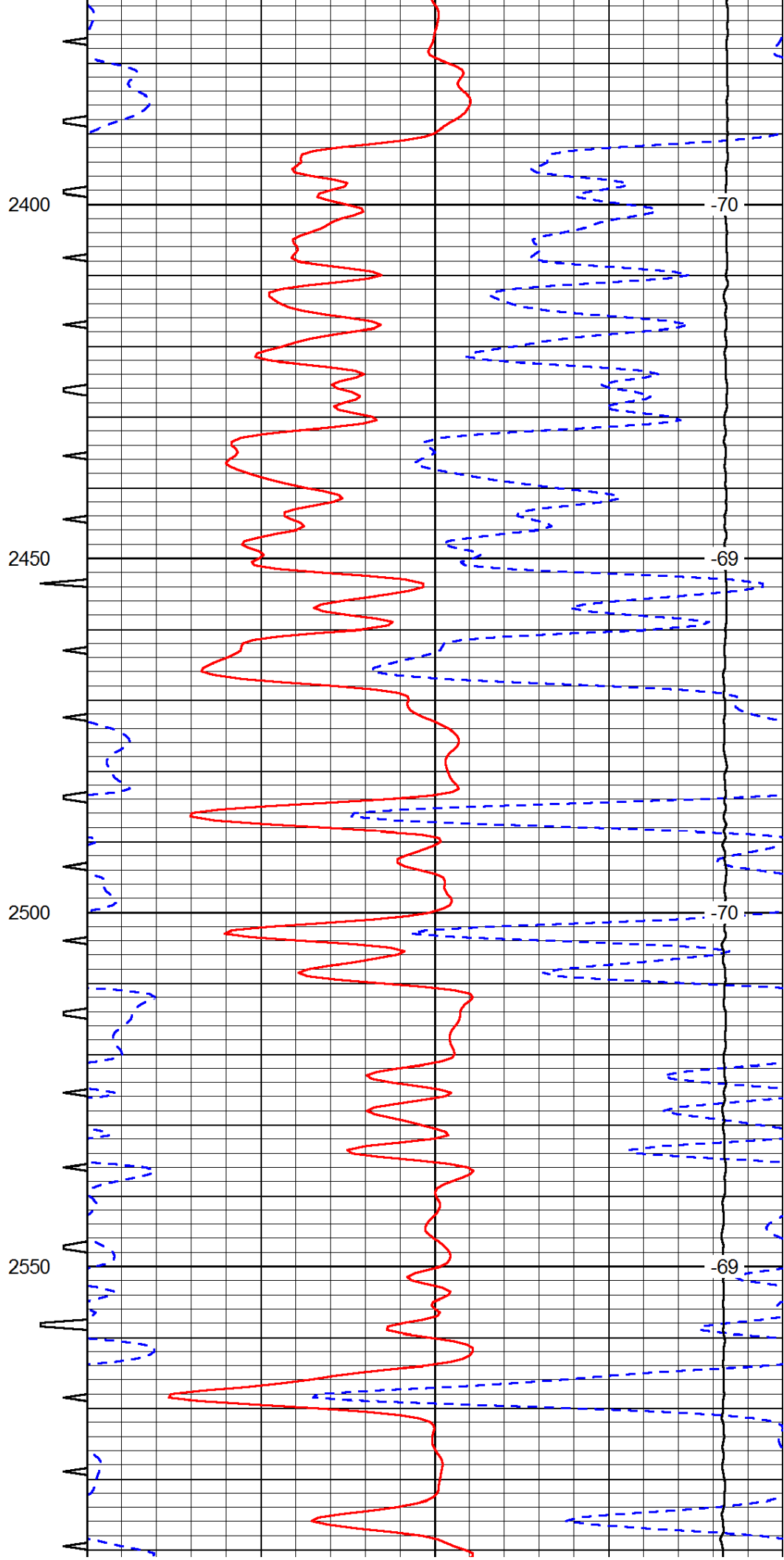
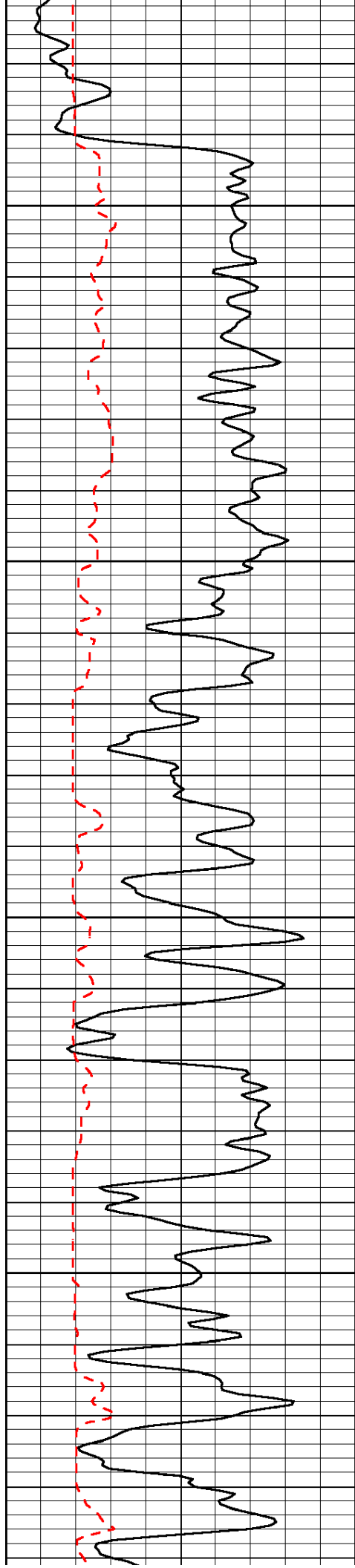


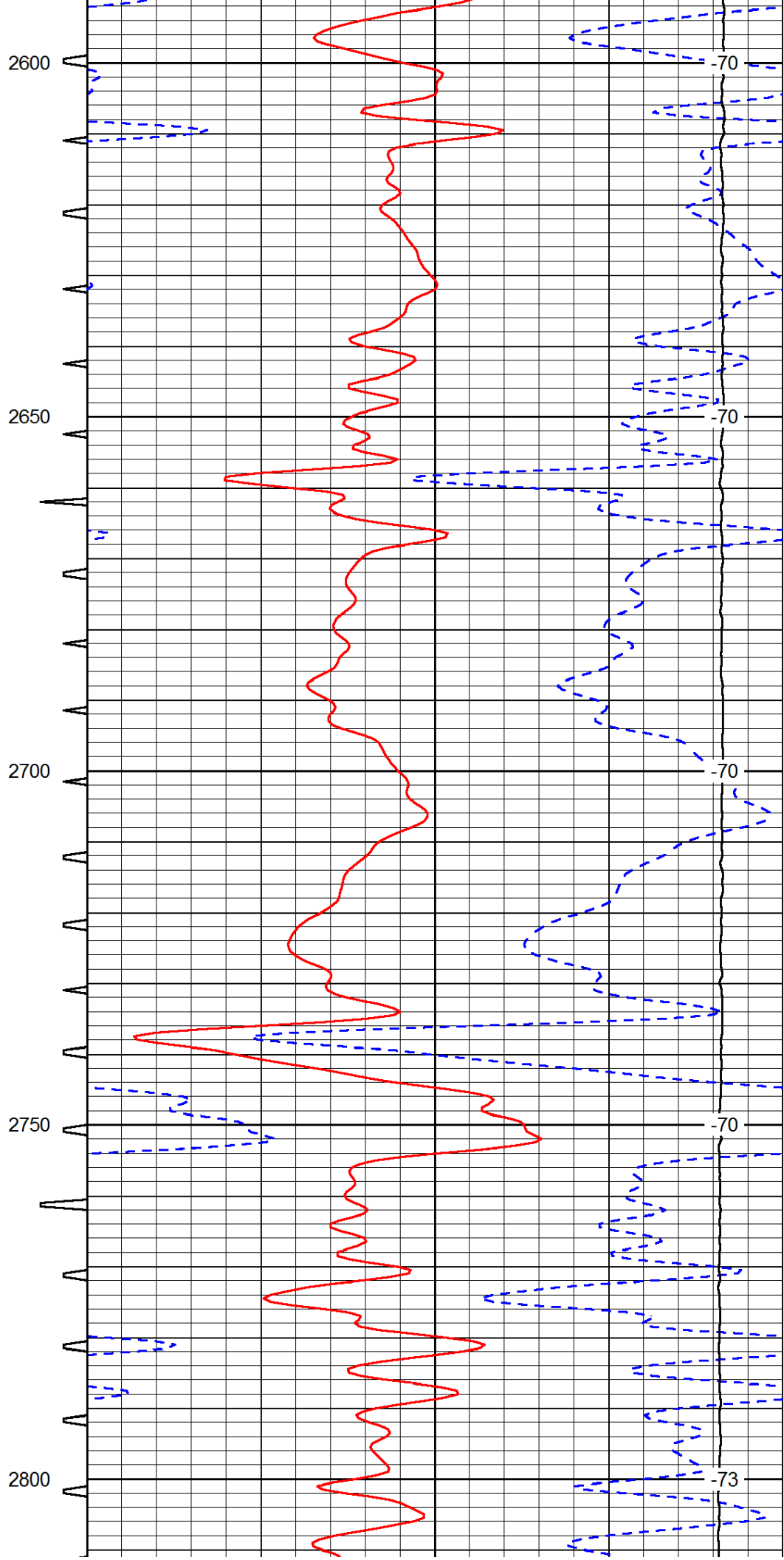
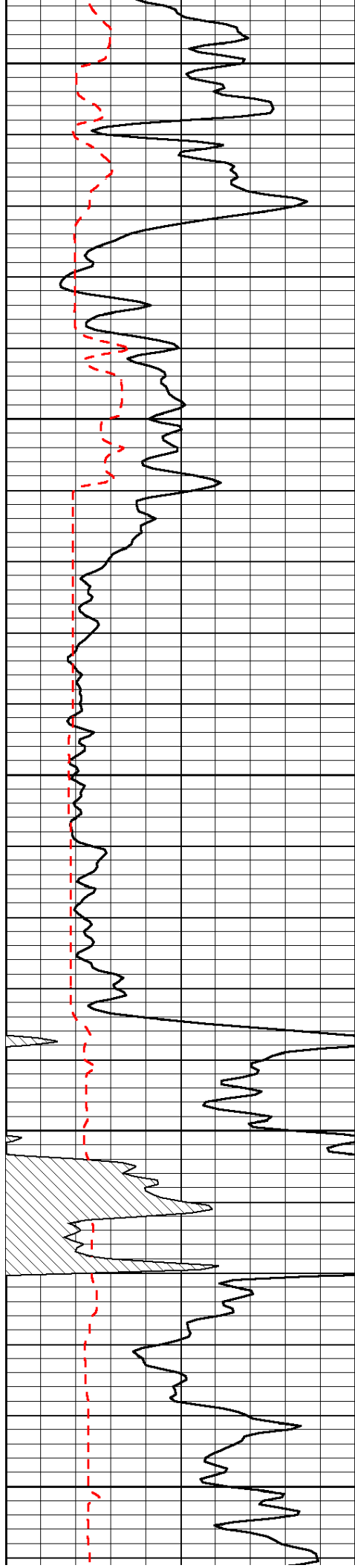


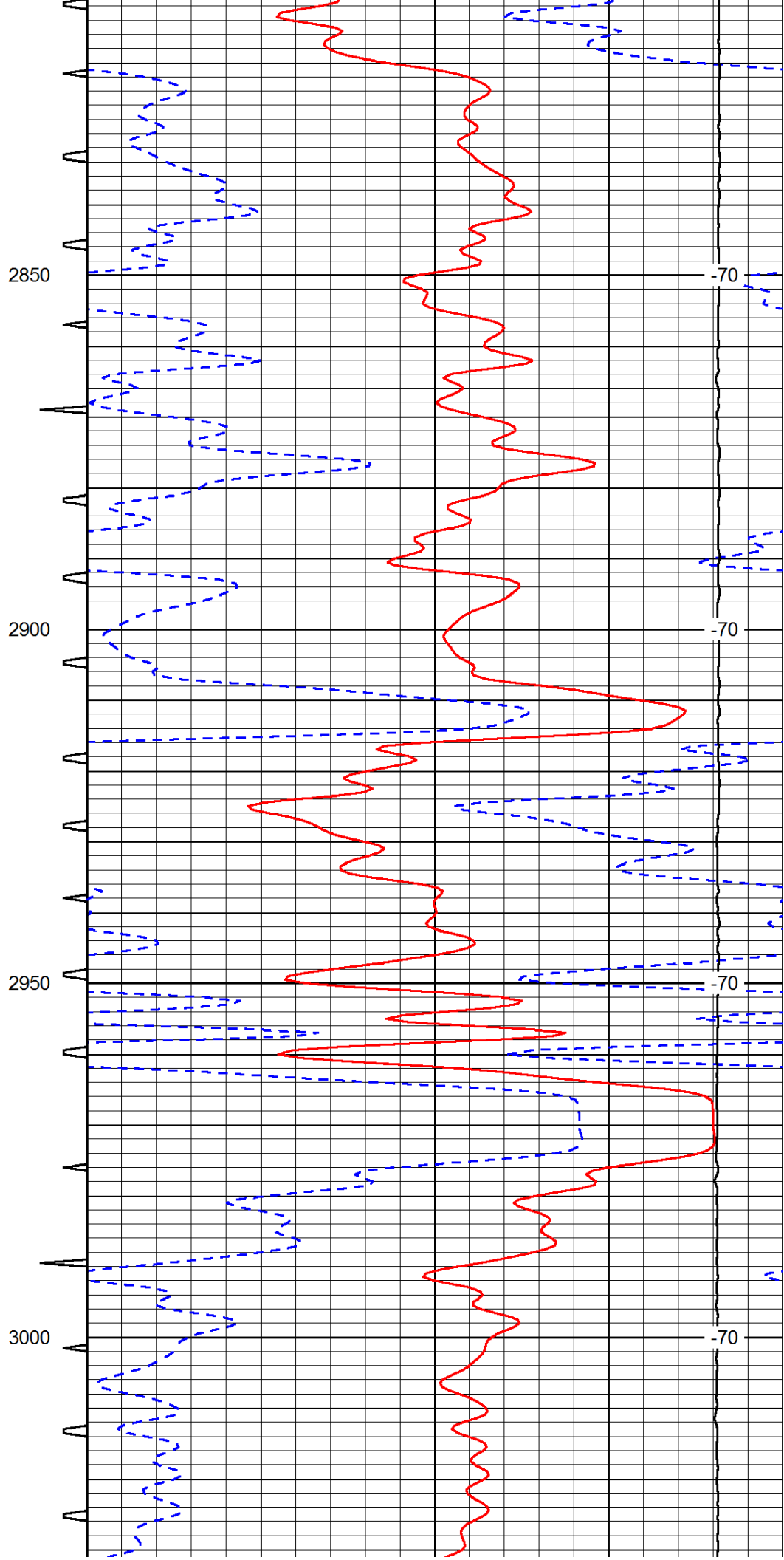
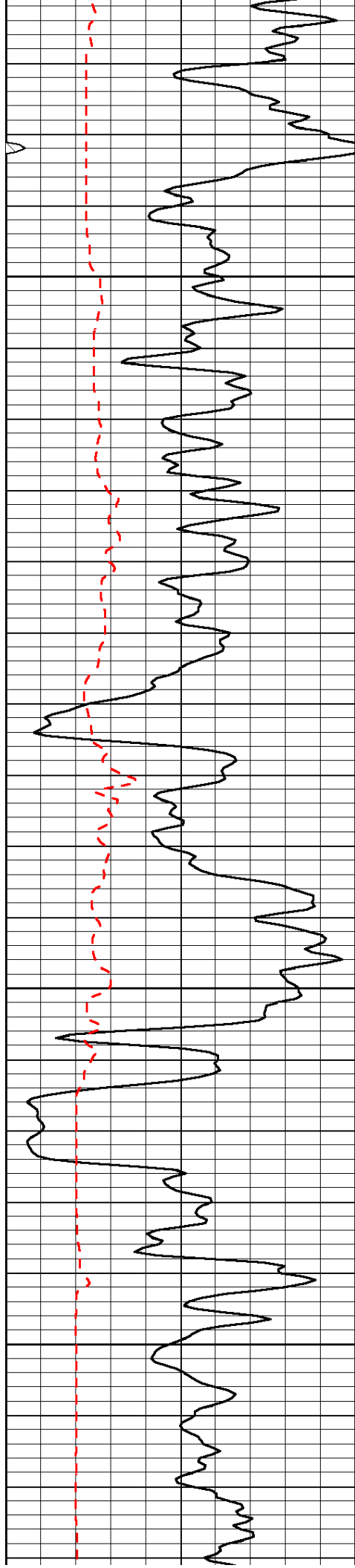


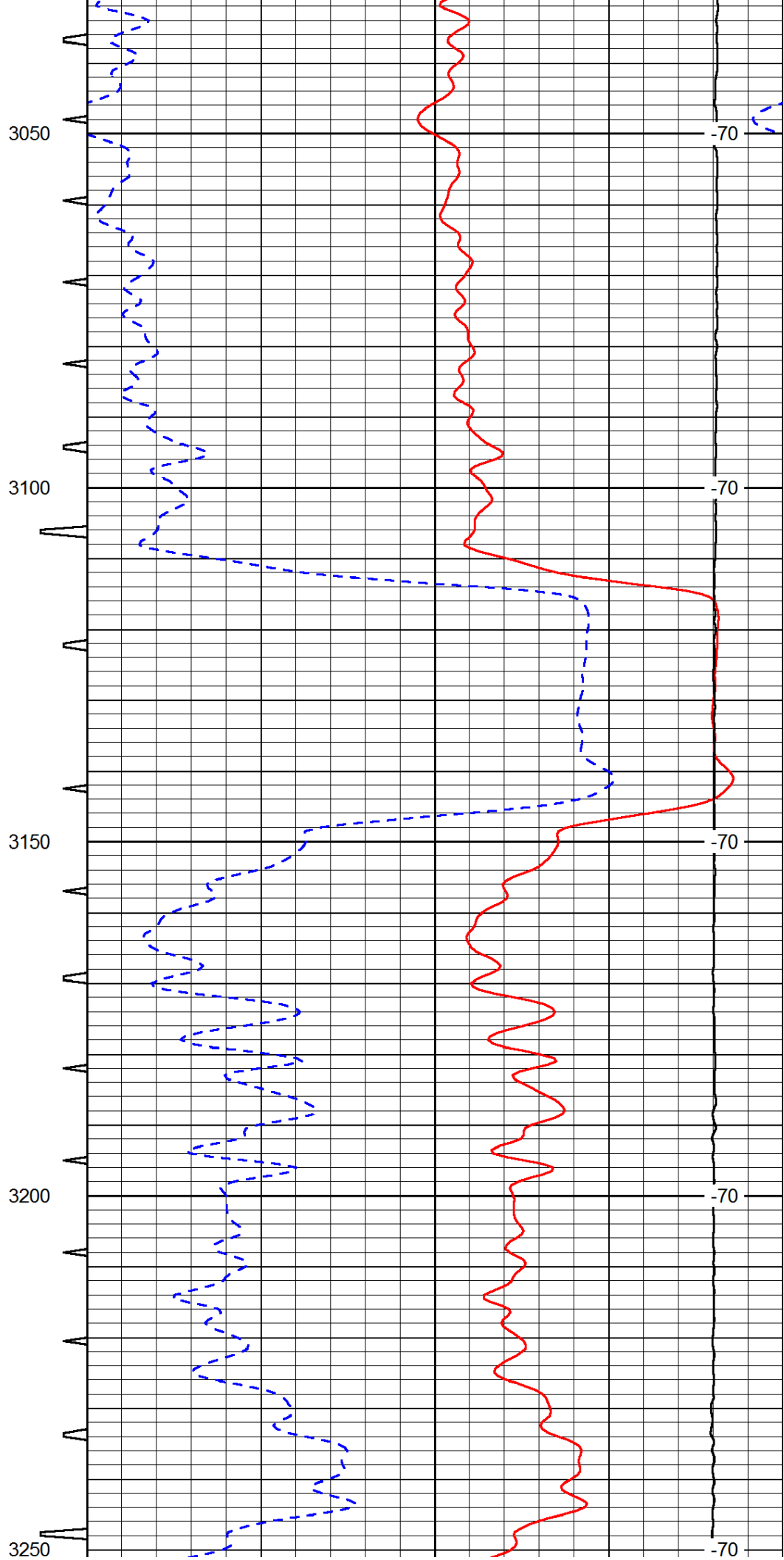
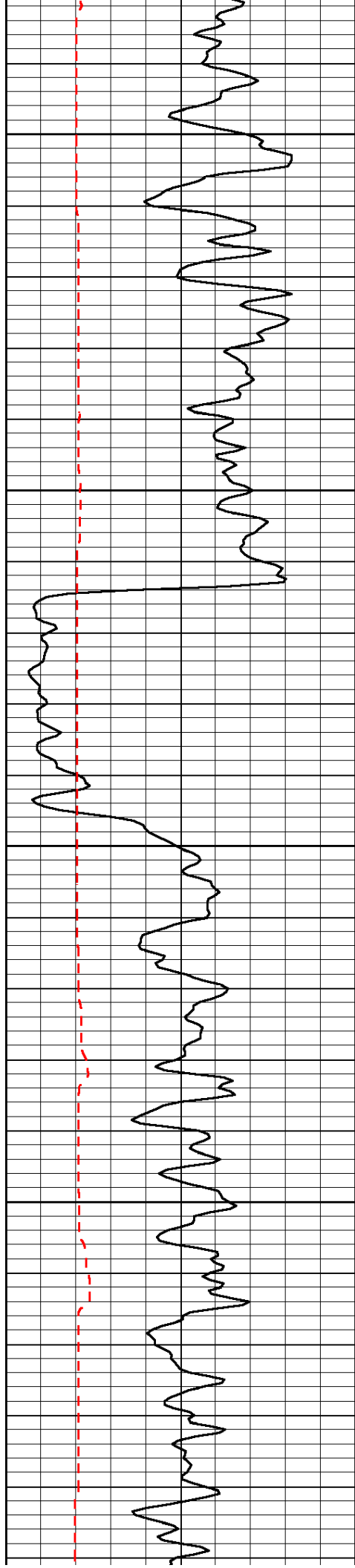


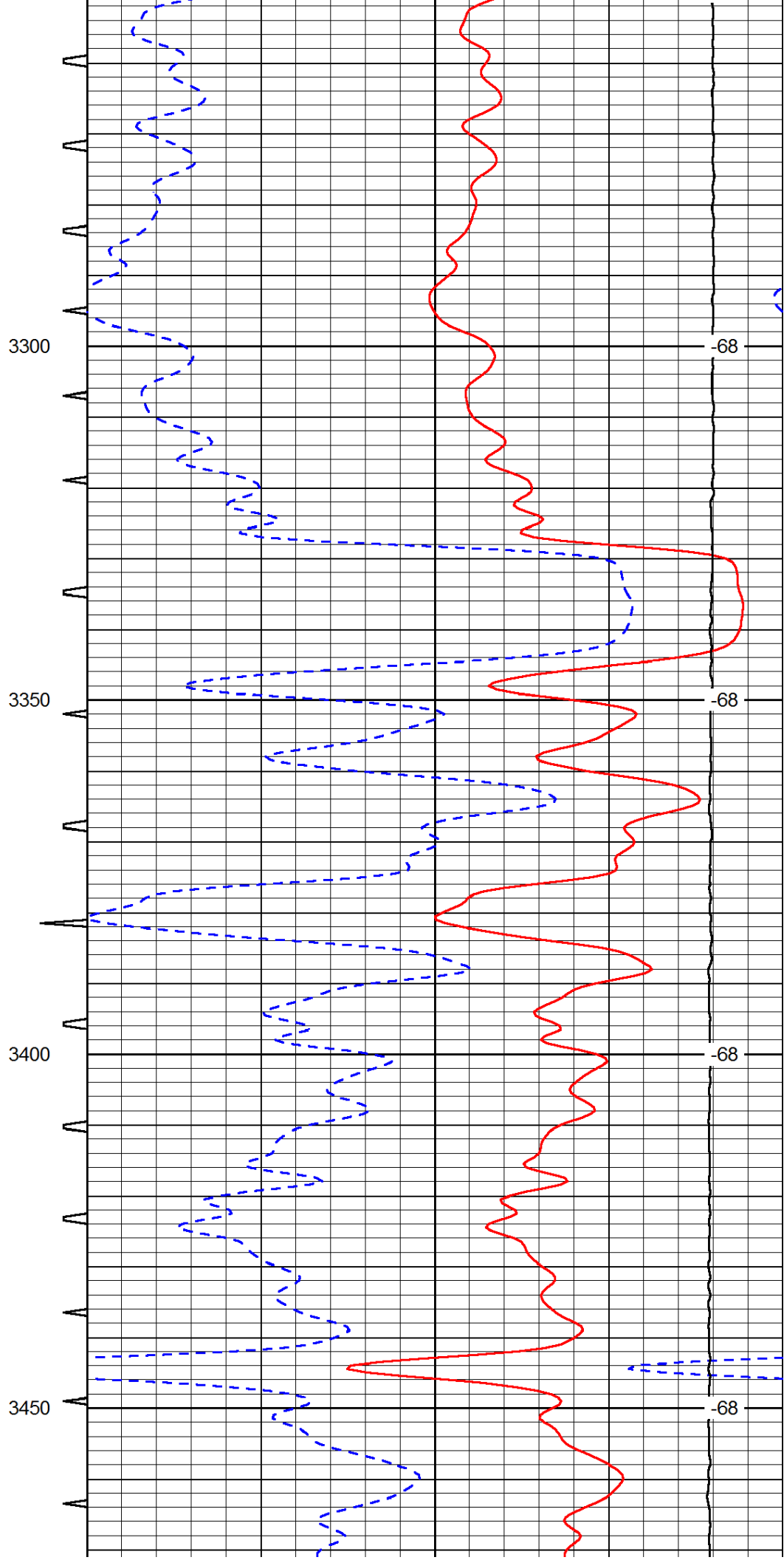
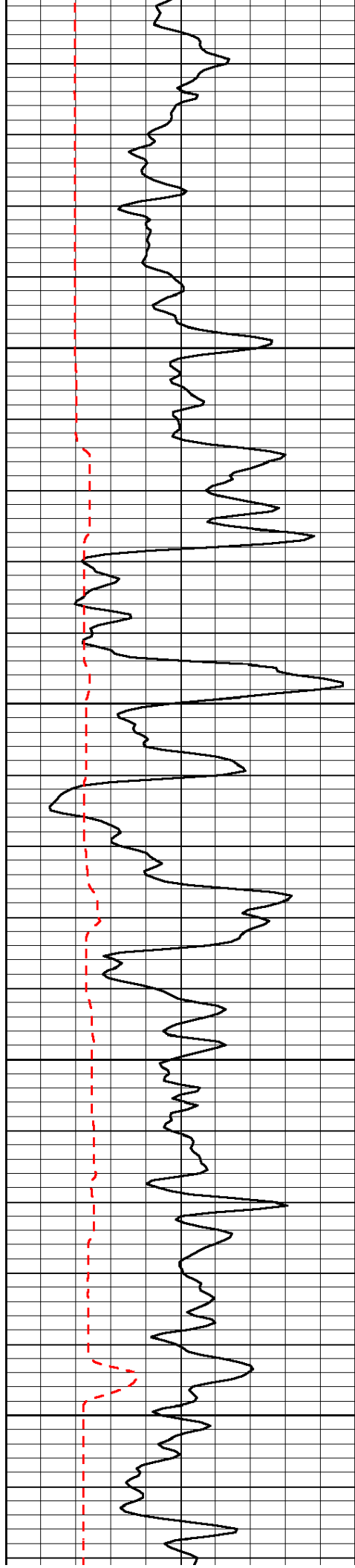


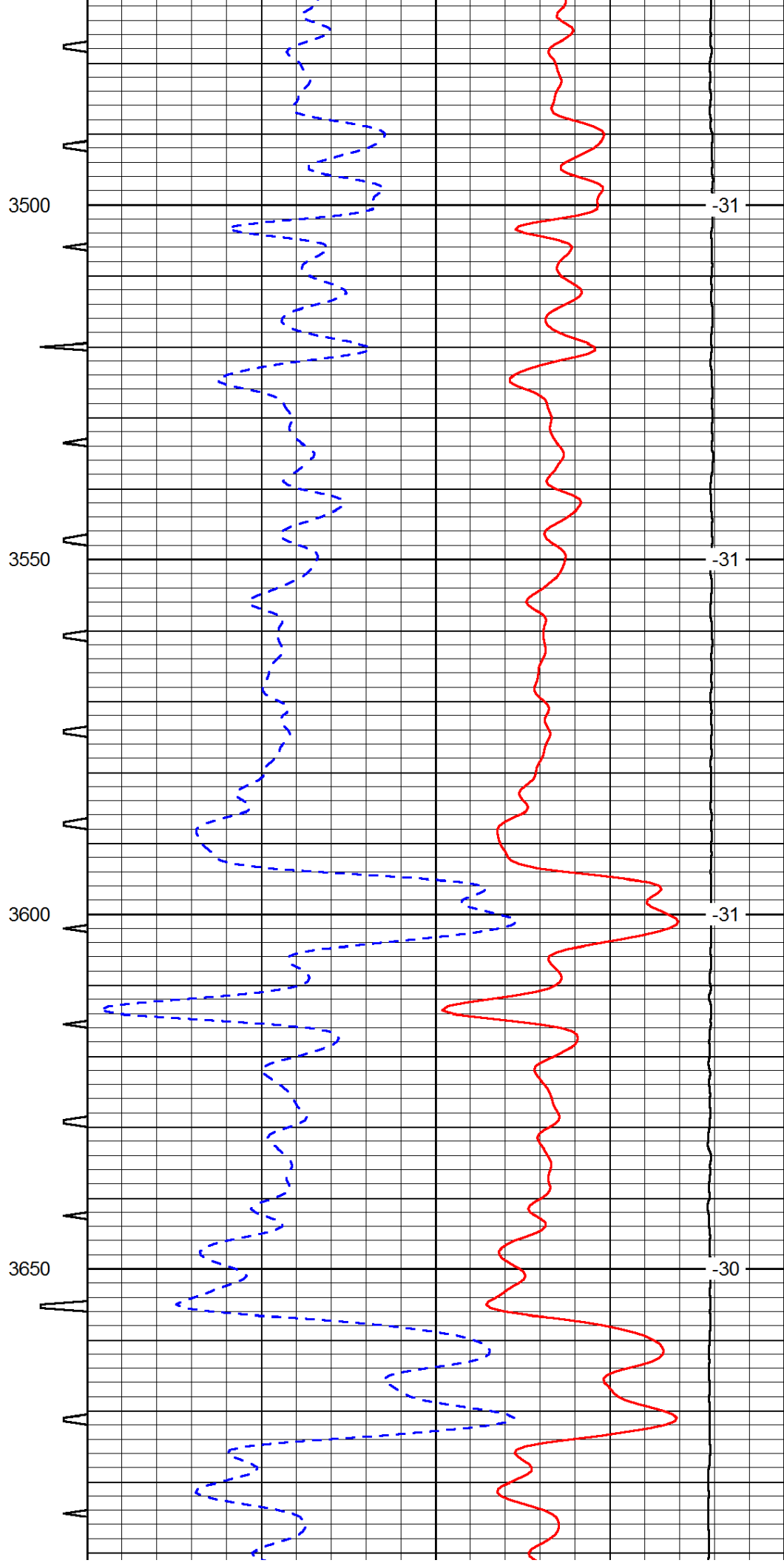
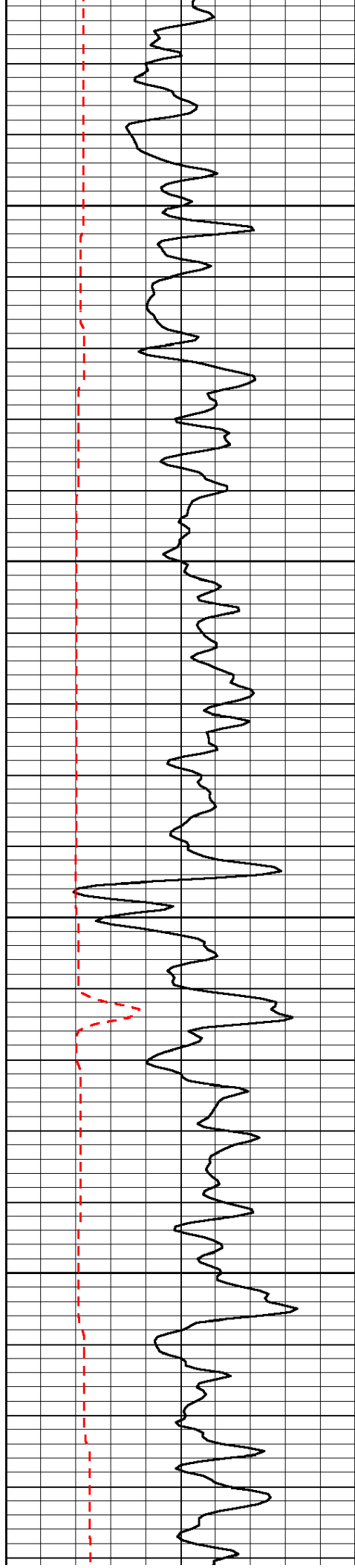


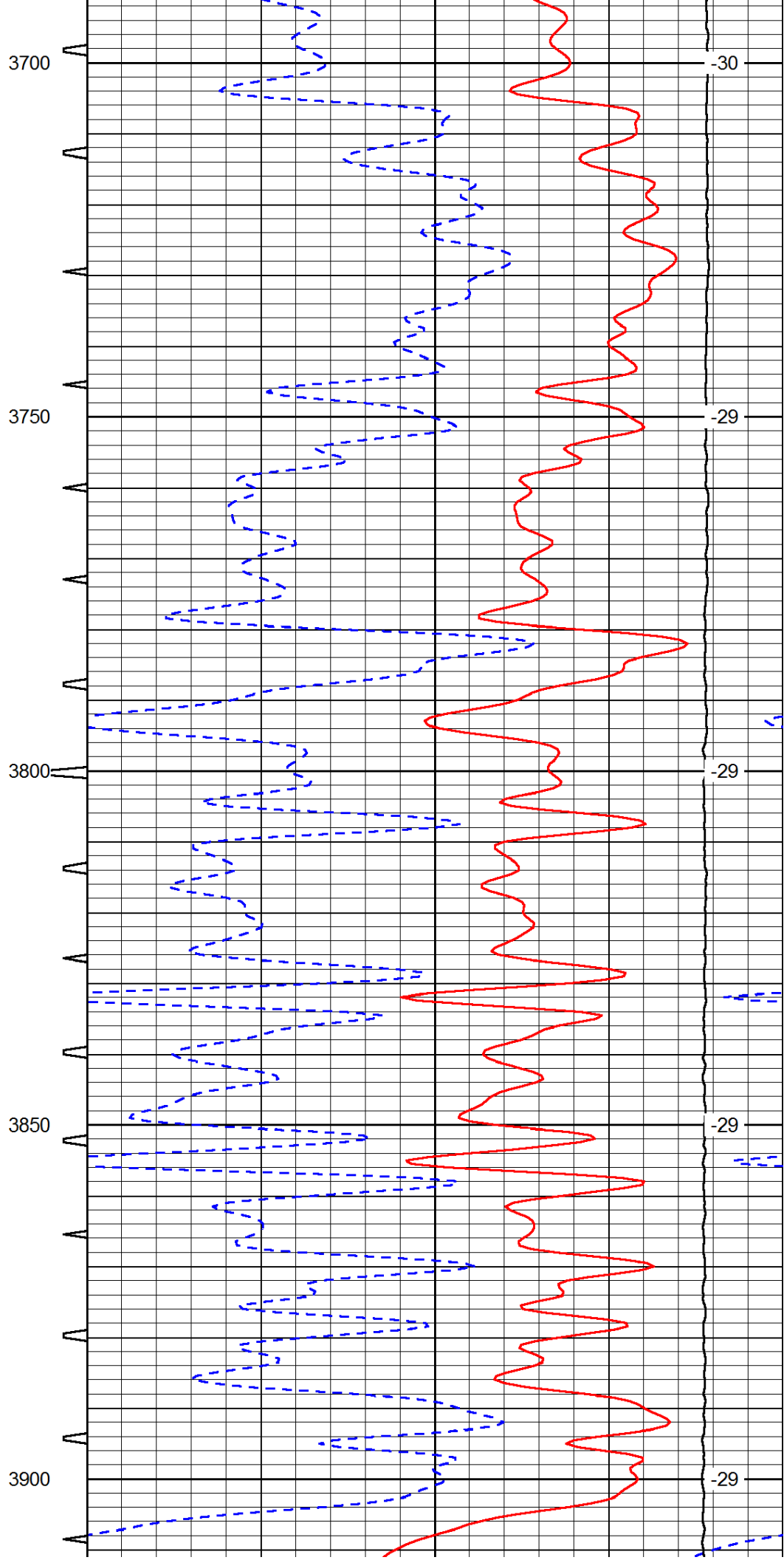
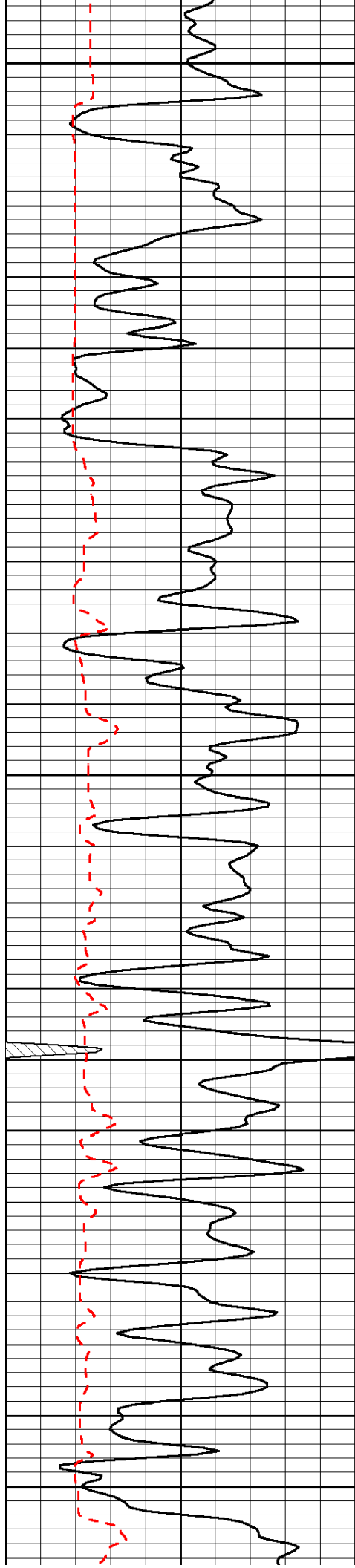


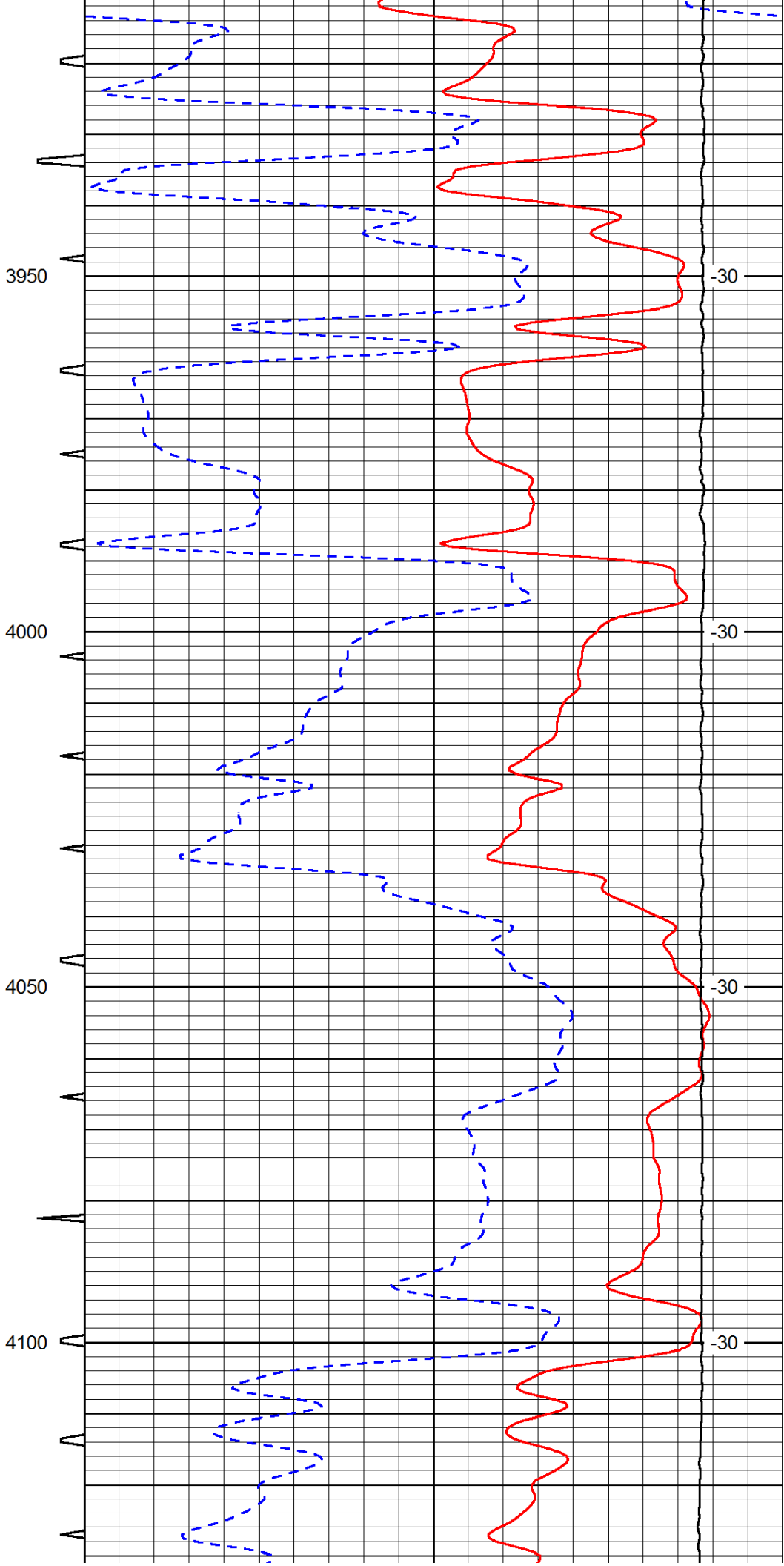
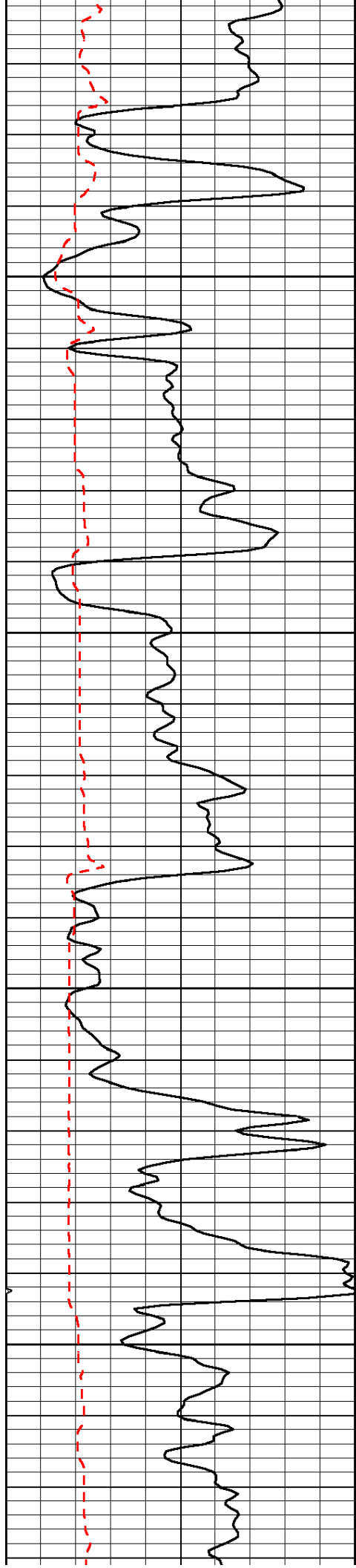


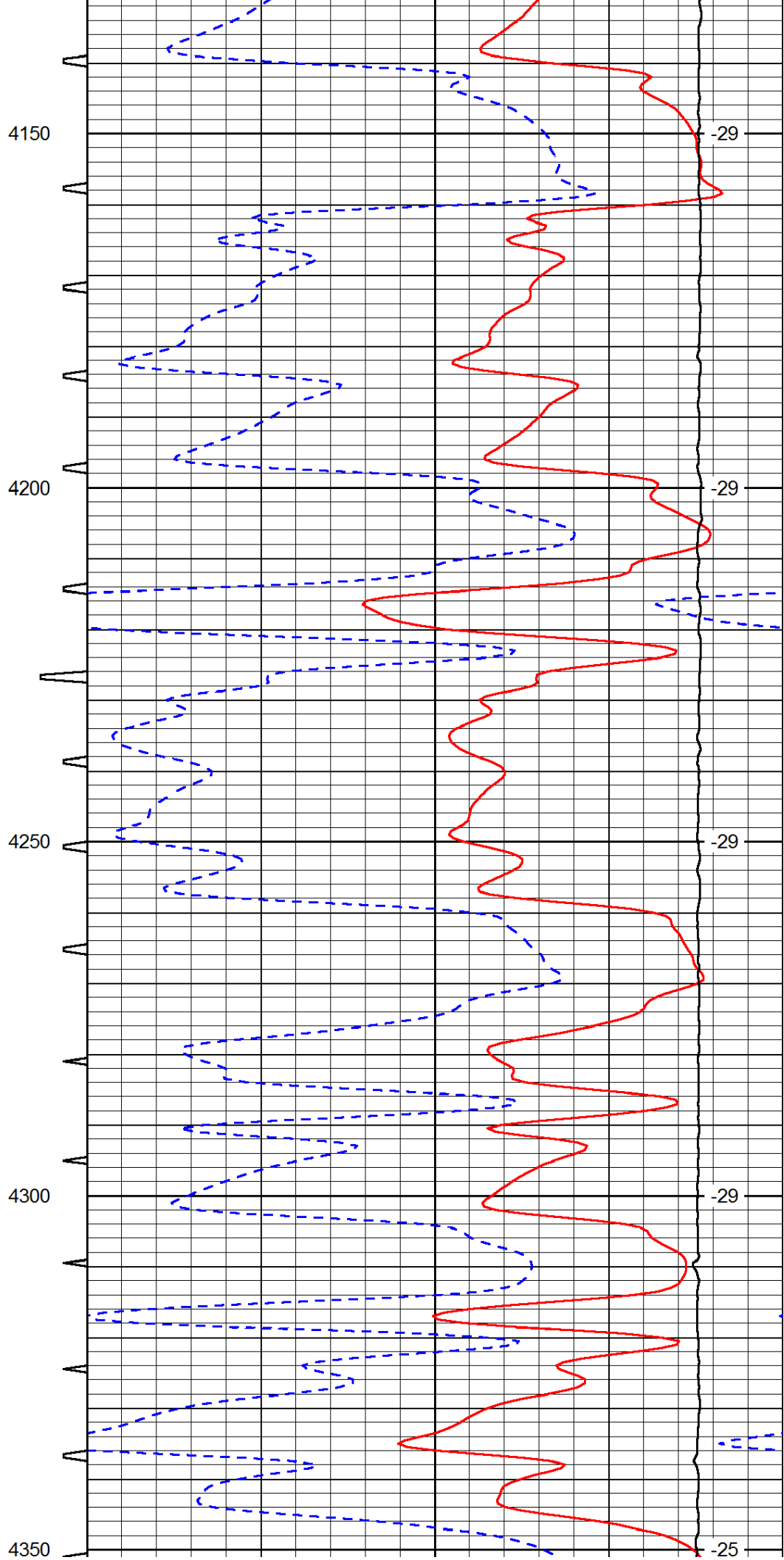
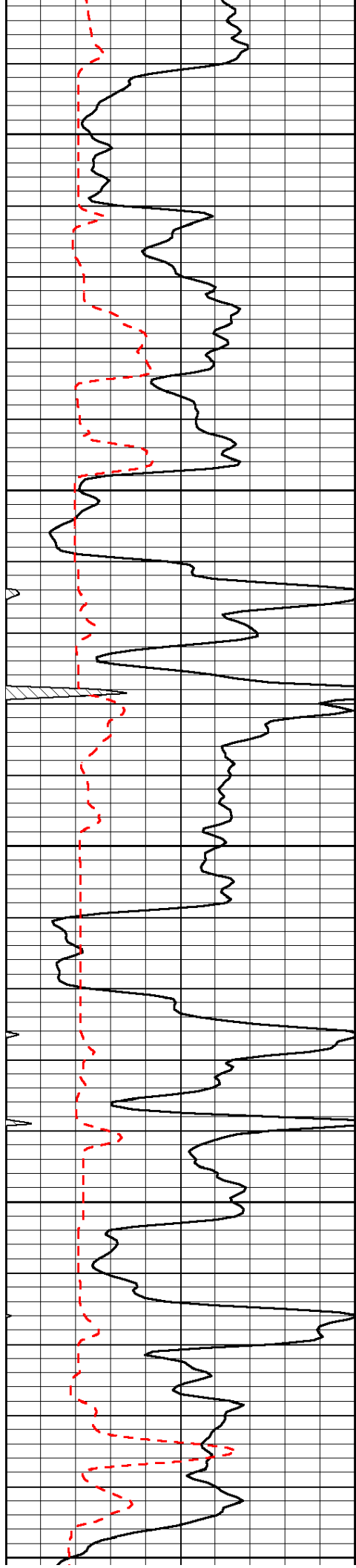


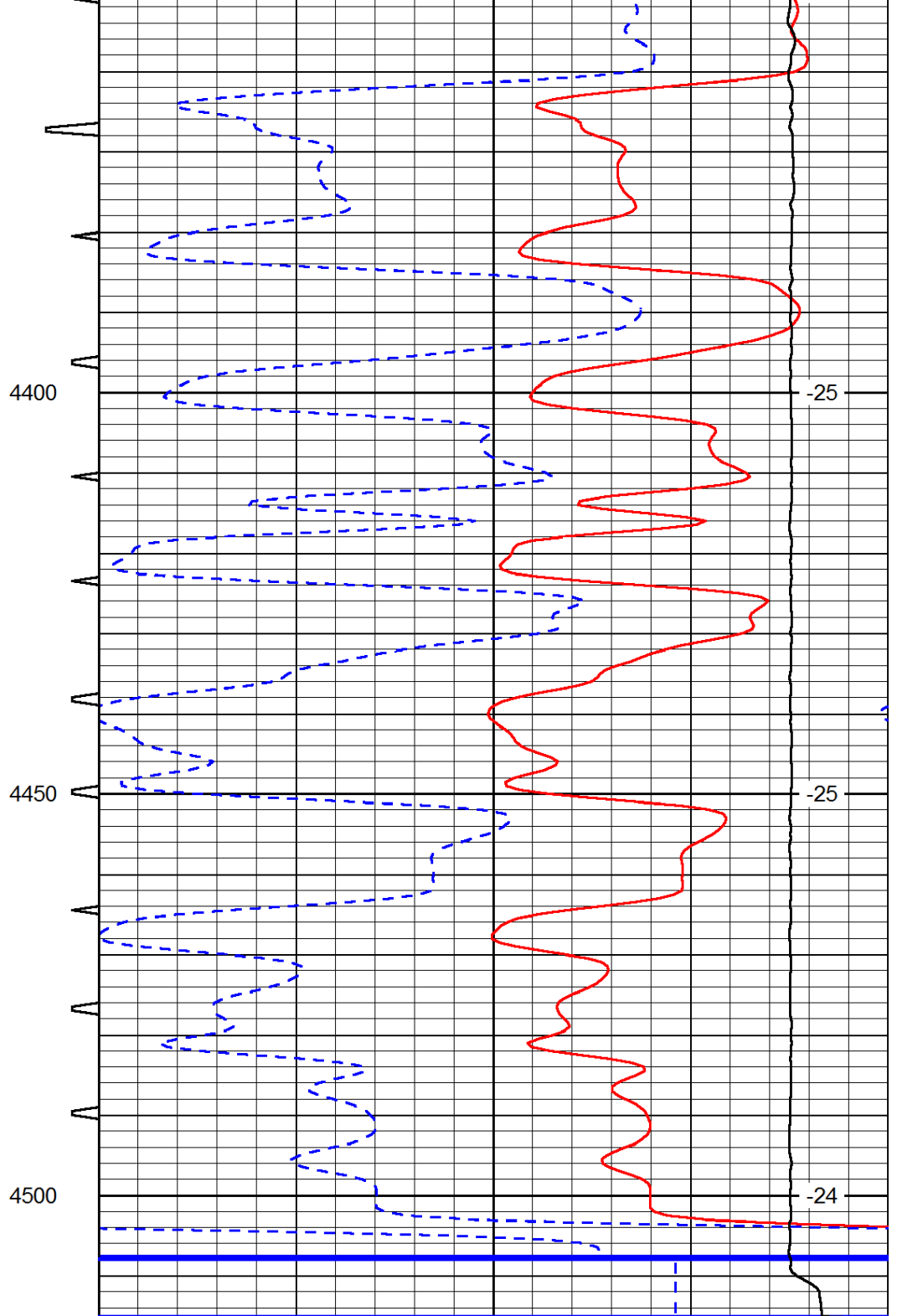
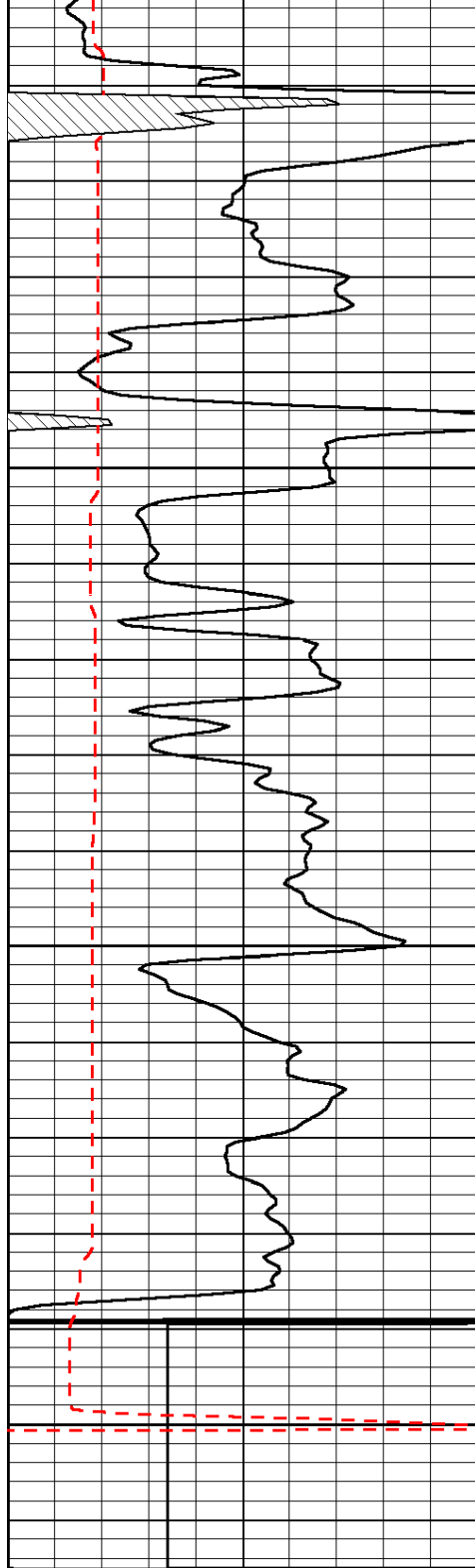












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