



Pioneer Energy Services

# Borehole Compensated Sonic Log

API No. 15-153-20976-00-00

Company: **Berexco, LLC**  
 Well: **Schwerdt #1-2**  
 Field: **Scoda**  
 County: **Rawlins** State: **Kansas**

Location: **1840' FSL & 380' FEL**

Other Services: **RAG/MEL**

Sec: **2** Twp: **1S** Rge: **36W**

Permanent Datum: **Ground Level** Elevation: **3169**  
 Log Measured From: **Kelly Bushing** 13 Ft. Above Perm. Datum  
 Drilling Measured From: **Kelly Bushing**

Date: **1/19/2014** Elevation: **K.B. 3182**  
**D.F. 3182**  
**G.L. 3169**

Run Number: **Two**  
 Type Log: **BHC Sonic**  
 Depth Driller: **4625**  
 Depth Logger: **4620**  
 Bottom Logged Interval: **4609**  
 Top Logged Interval: **300**  
 Type Fluid In Hole: **Chemical**  
 Salinity, PPM CL: **800**  
 Density: **9.2**  
 Level: **Full**  
 Max. Rec. Temp. F: **124**  
 Operating Rig Time: **4 Hours**  
 Equipment -- Location: **91 Hays**  
 Recorded By: **D. Schmidt**  
 Witnessed By: **Pete Vollmer**

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	310	8.625	23#	00	310
Two	7.875	310	TD				

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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.

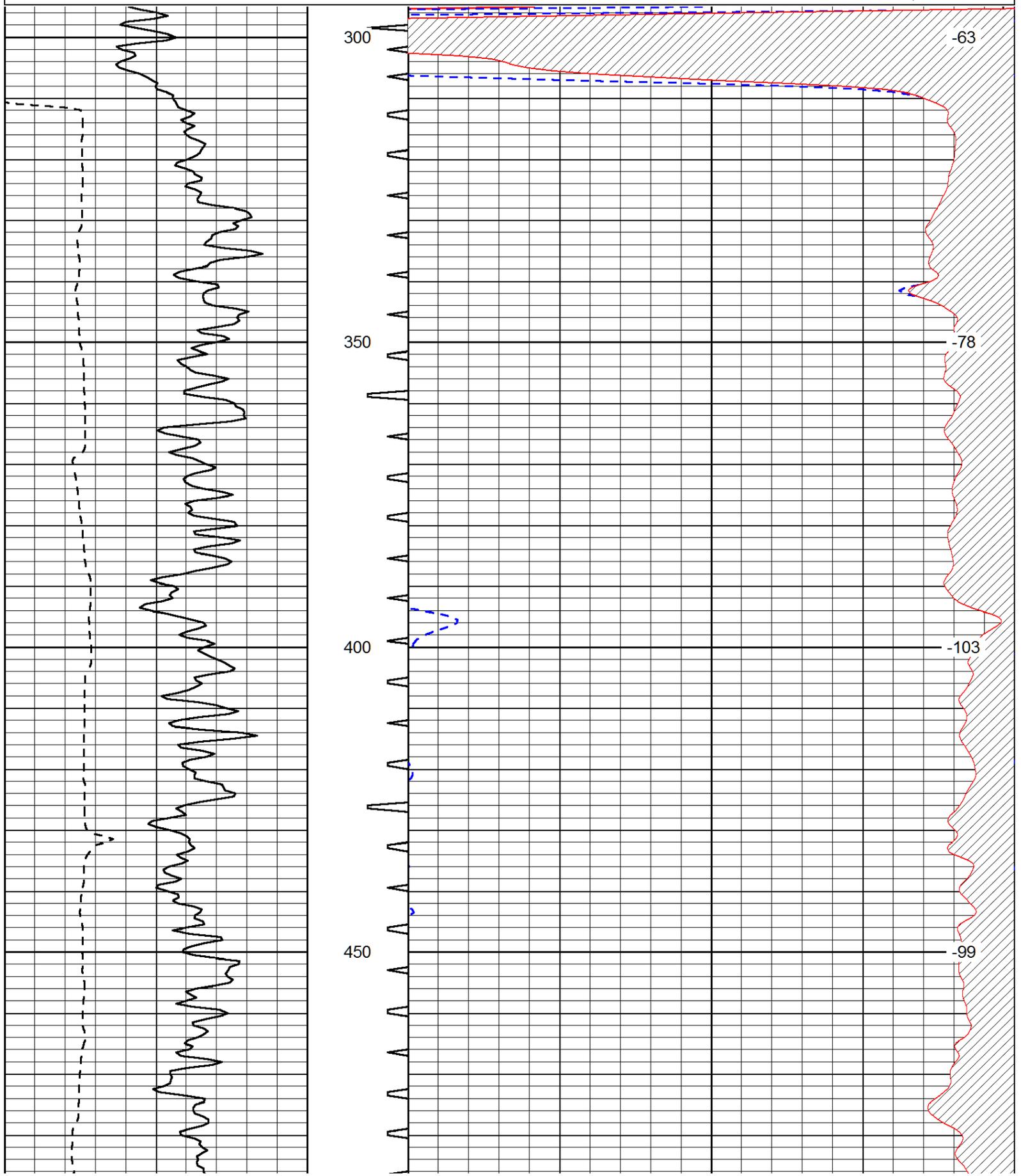
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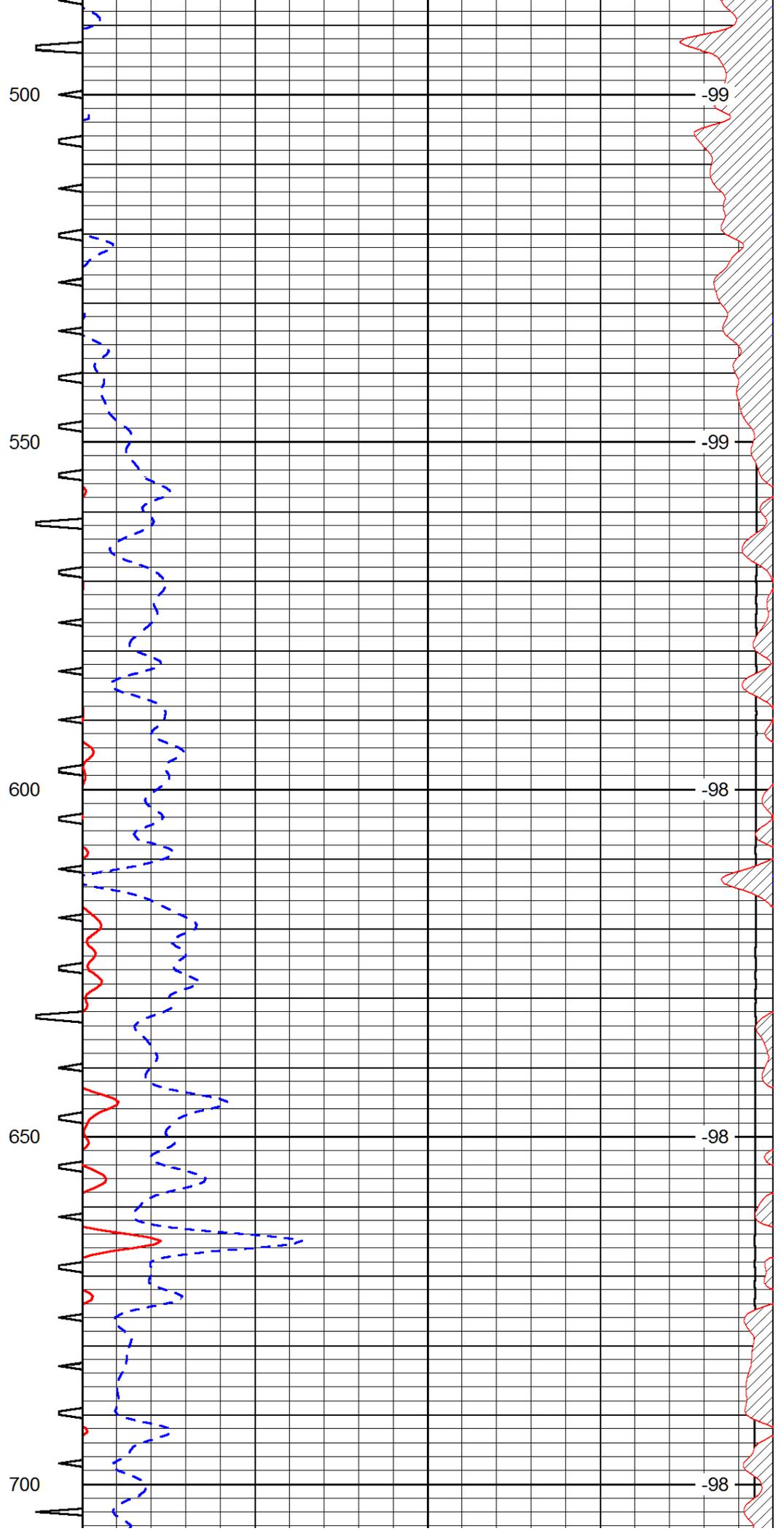
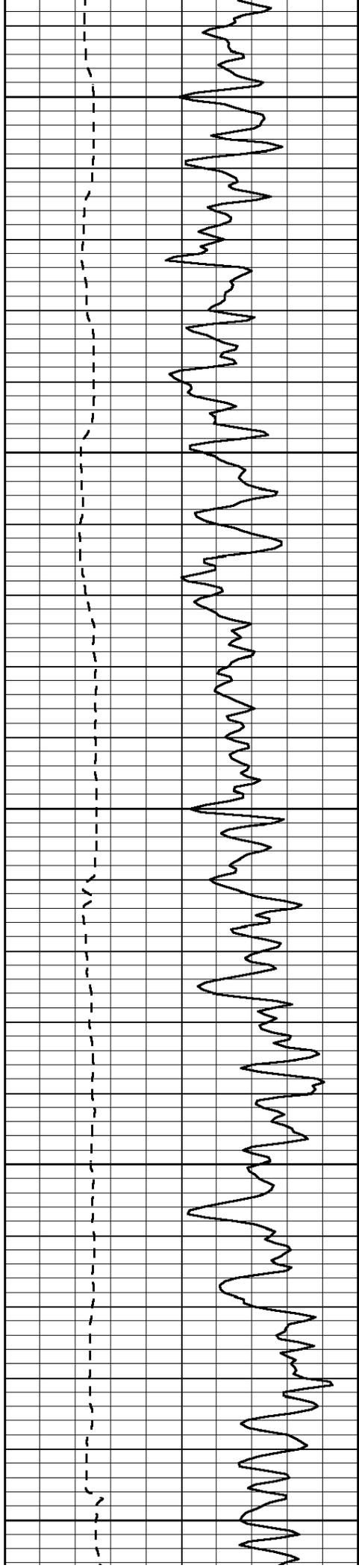
Thank you for using Log-Tech, Inc.  
 (785) 625-3858

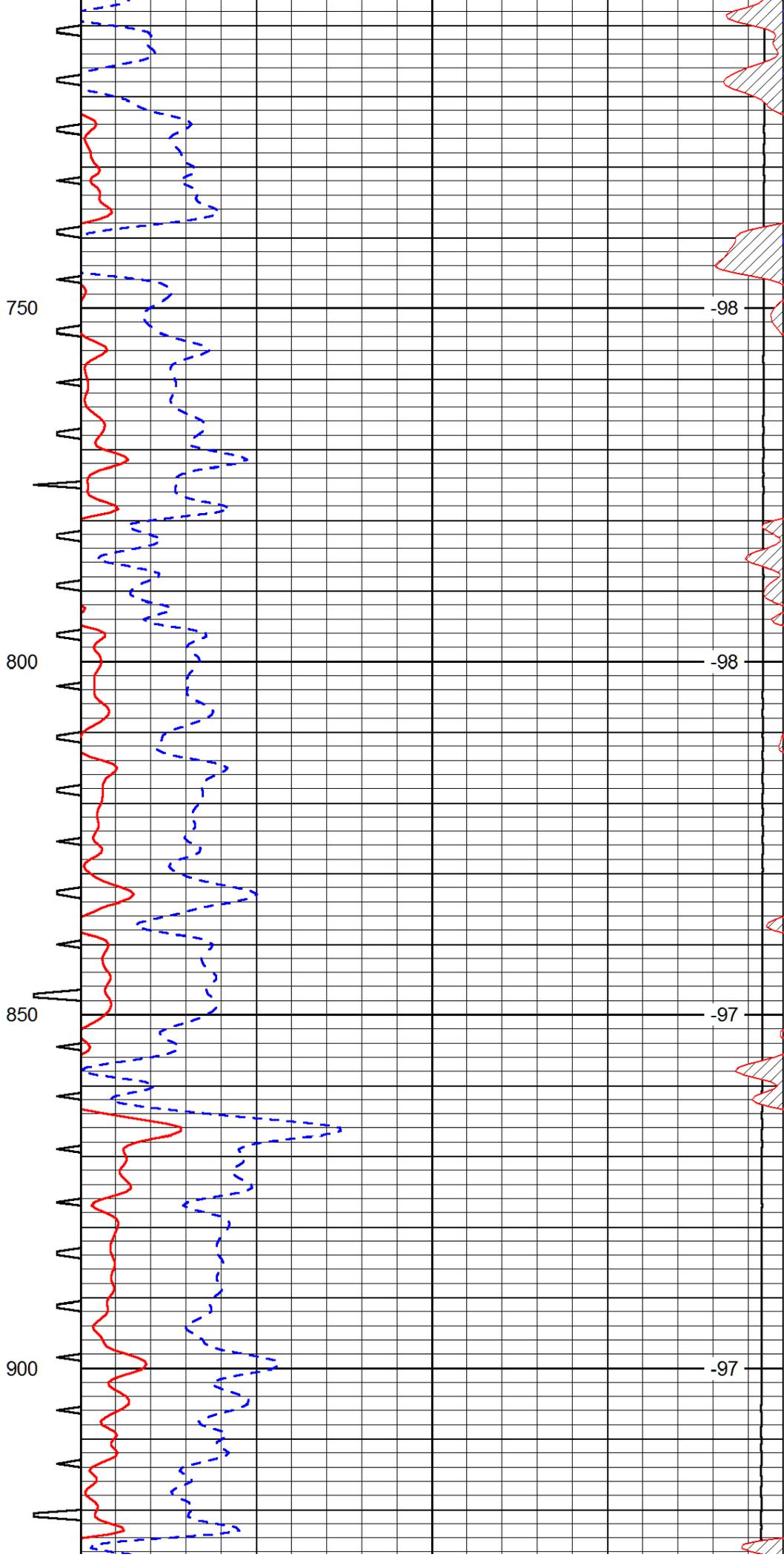
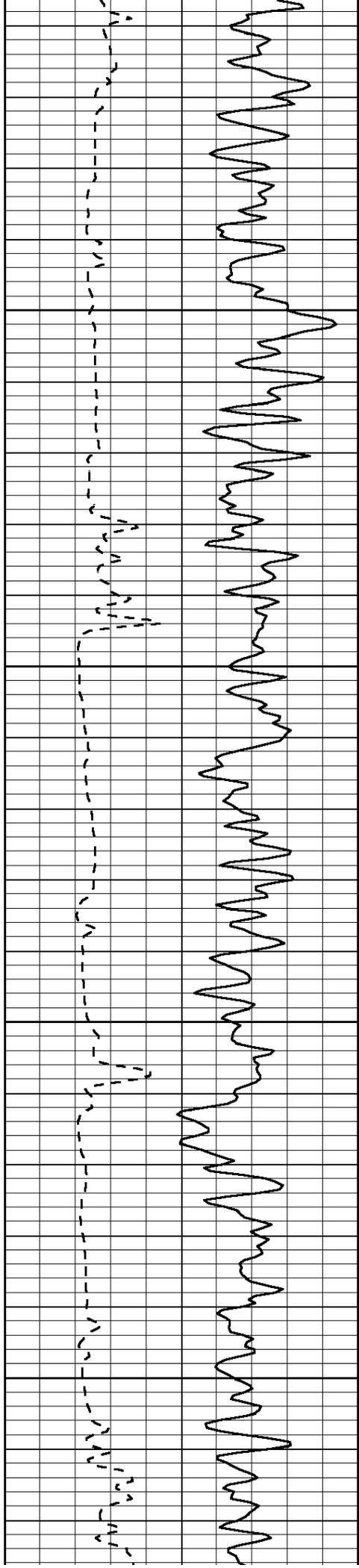
Beardsley,  
 North to AA Rd, West to 7 Rd, 3 North, 1/2 West to TB,  
 1/2 West along fenceline to location

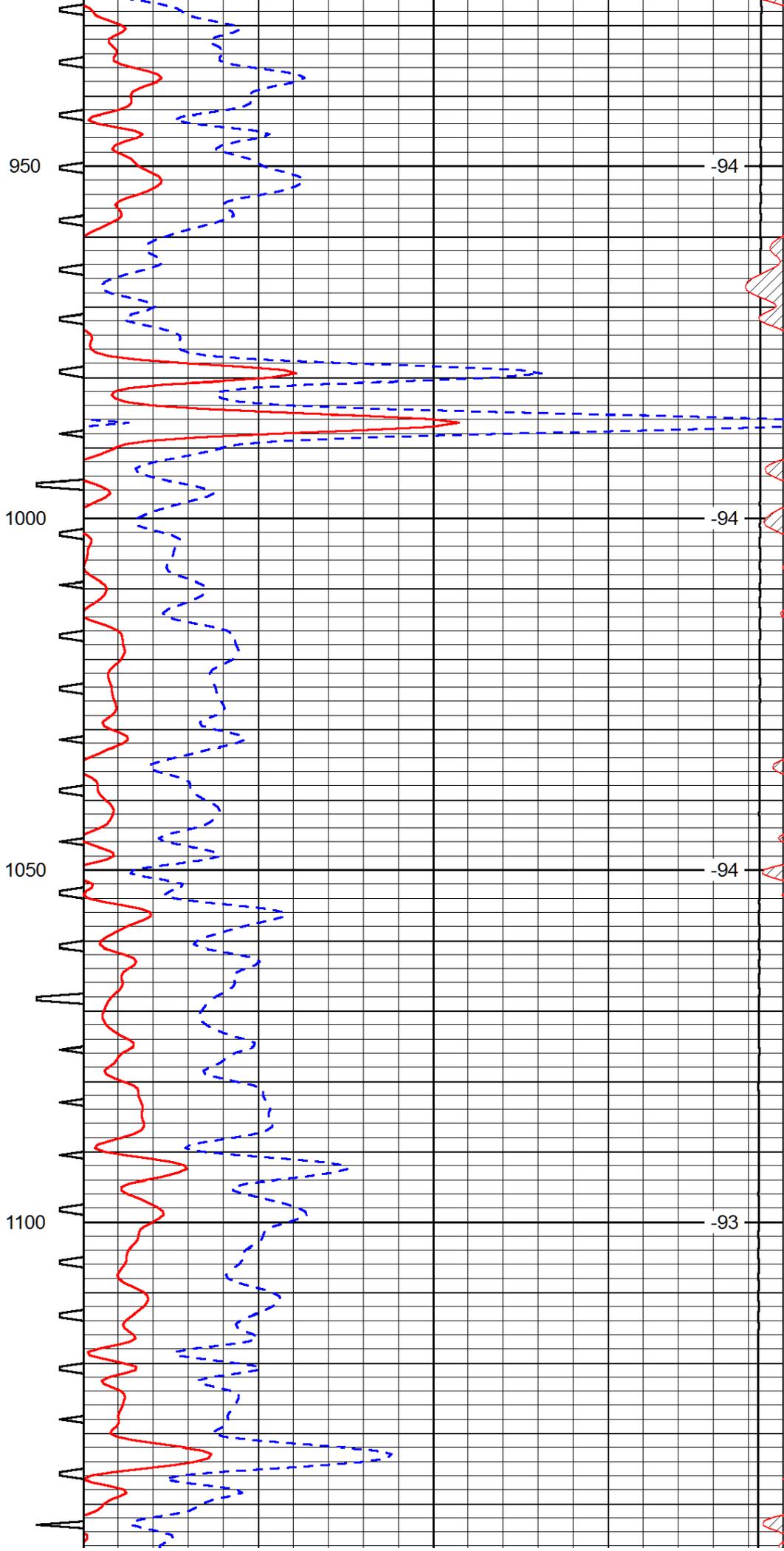
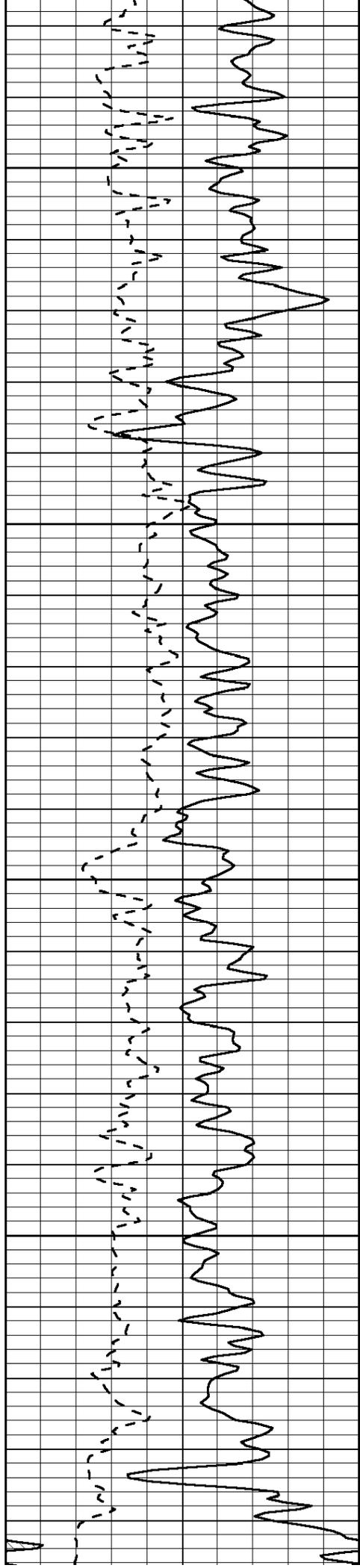
Database File: berexco\_011914hd.db  
 Dataset Pathname: rag/brxrag  
 Presentation Format: sonic  
 Dataset Creation: Sun Jan 19 14:56:17 2014  
 Charted by: Depth in Feet scaled 1:240

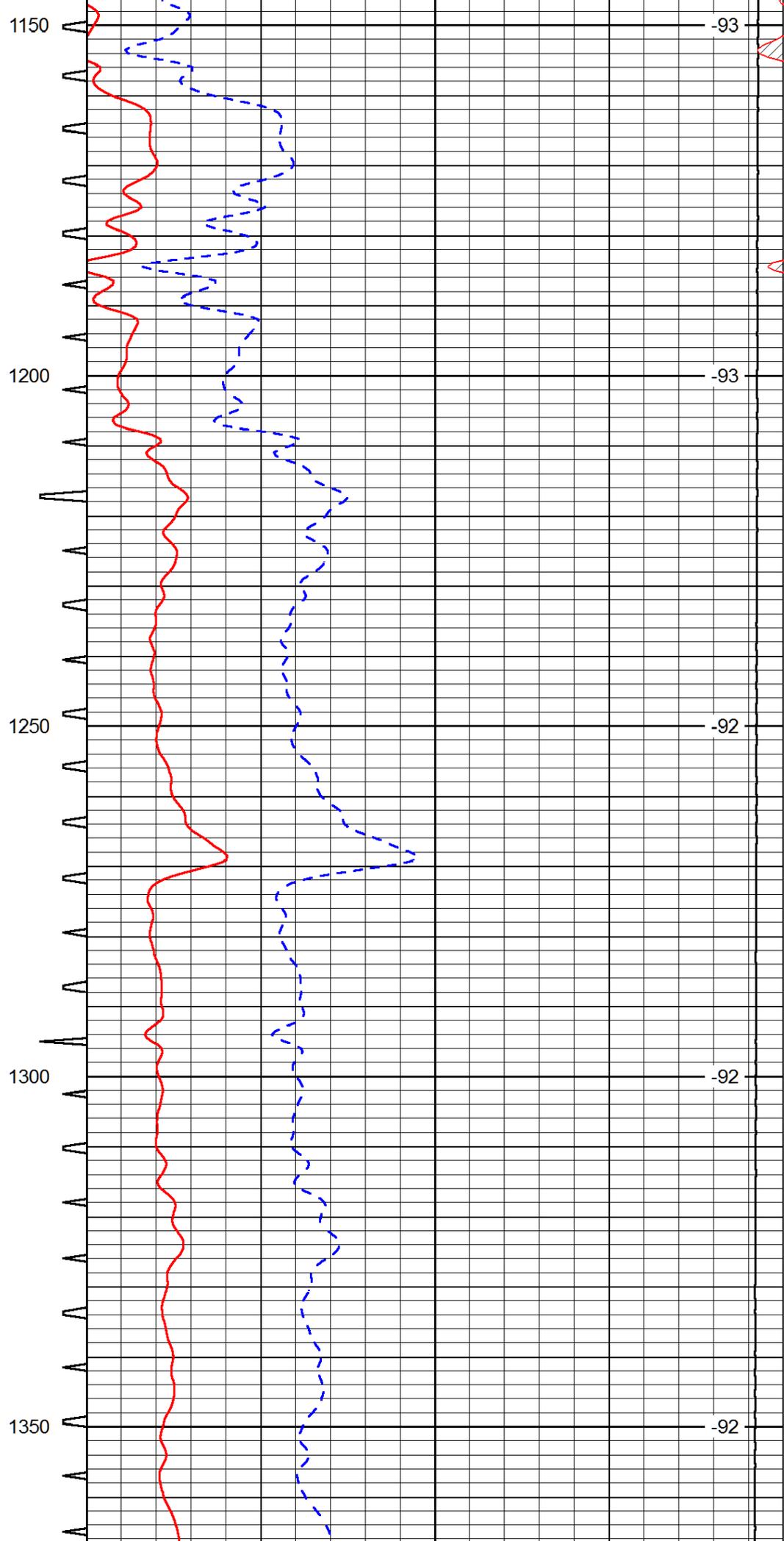
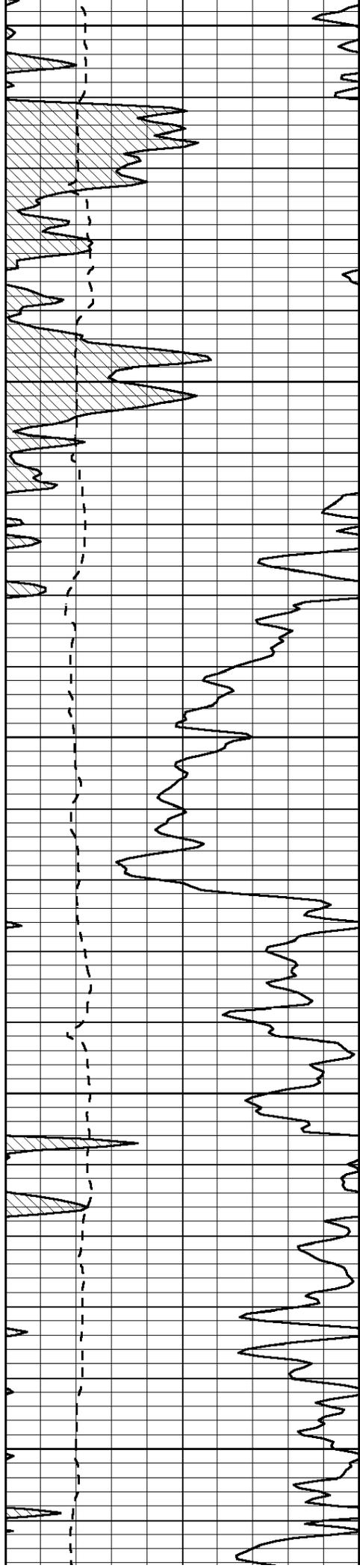
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150	Gamma Ray (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu)	-10
6	scal (in)	16		15000	LTEN (lb) (lb)	0
						LSPD (ft/min)

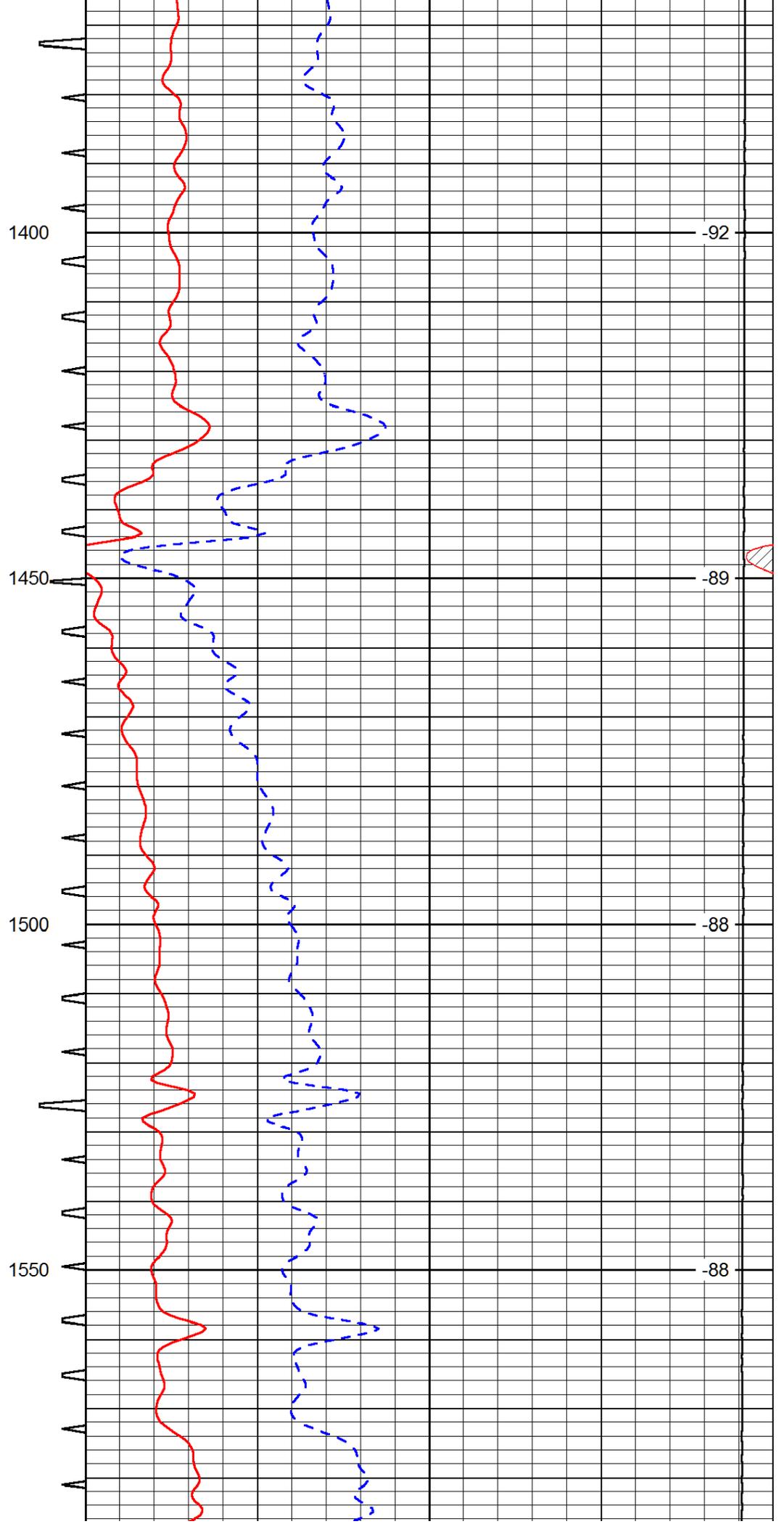
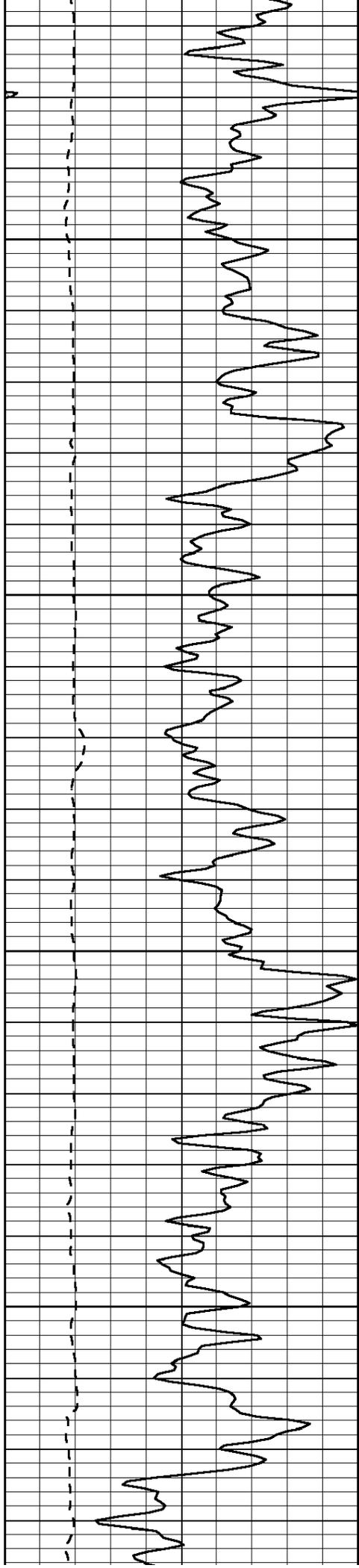


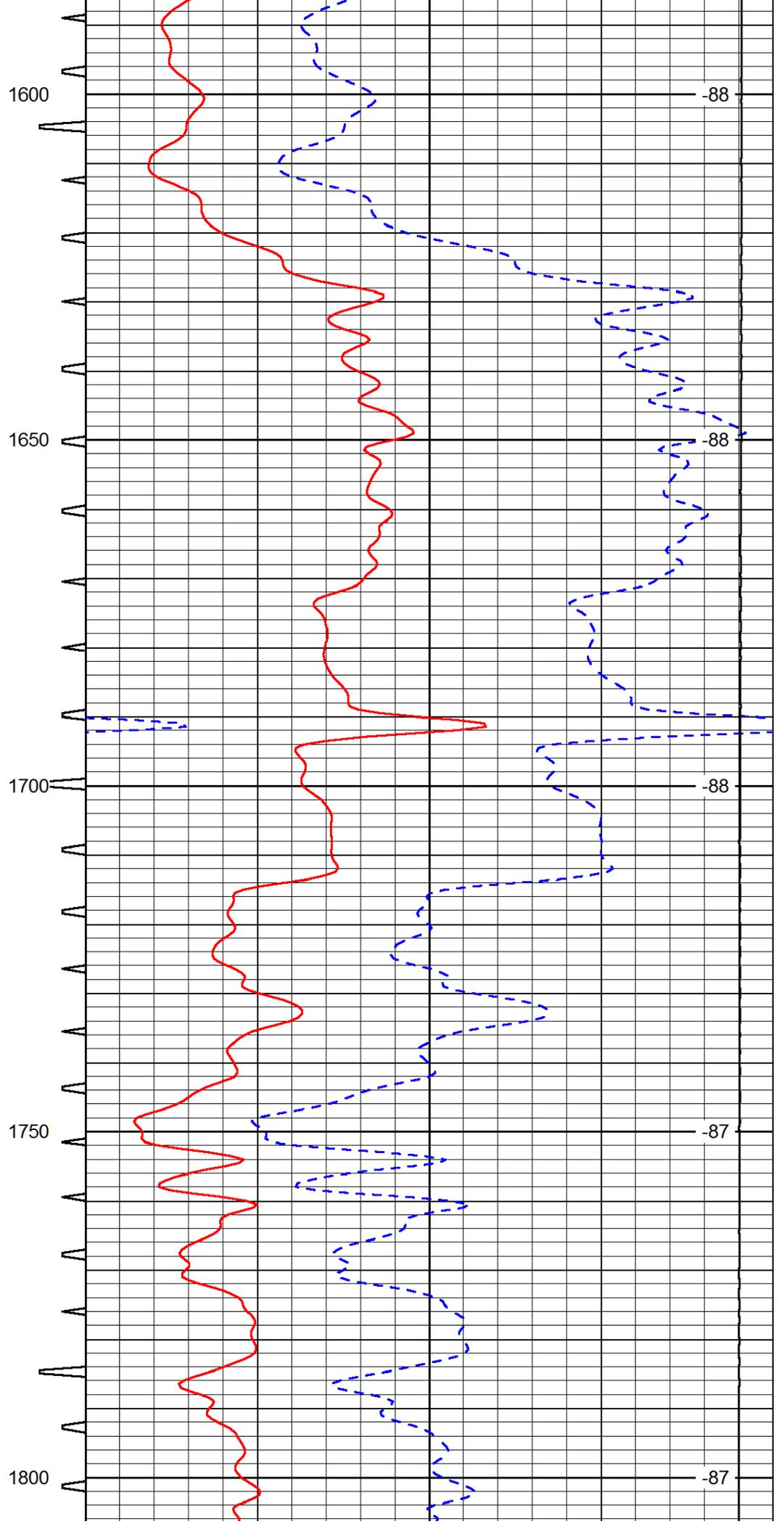
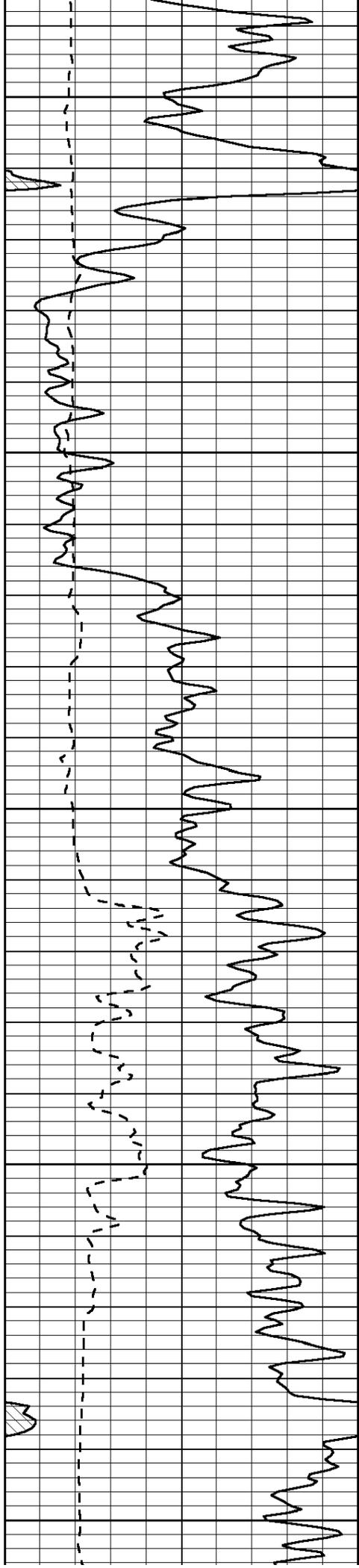


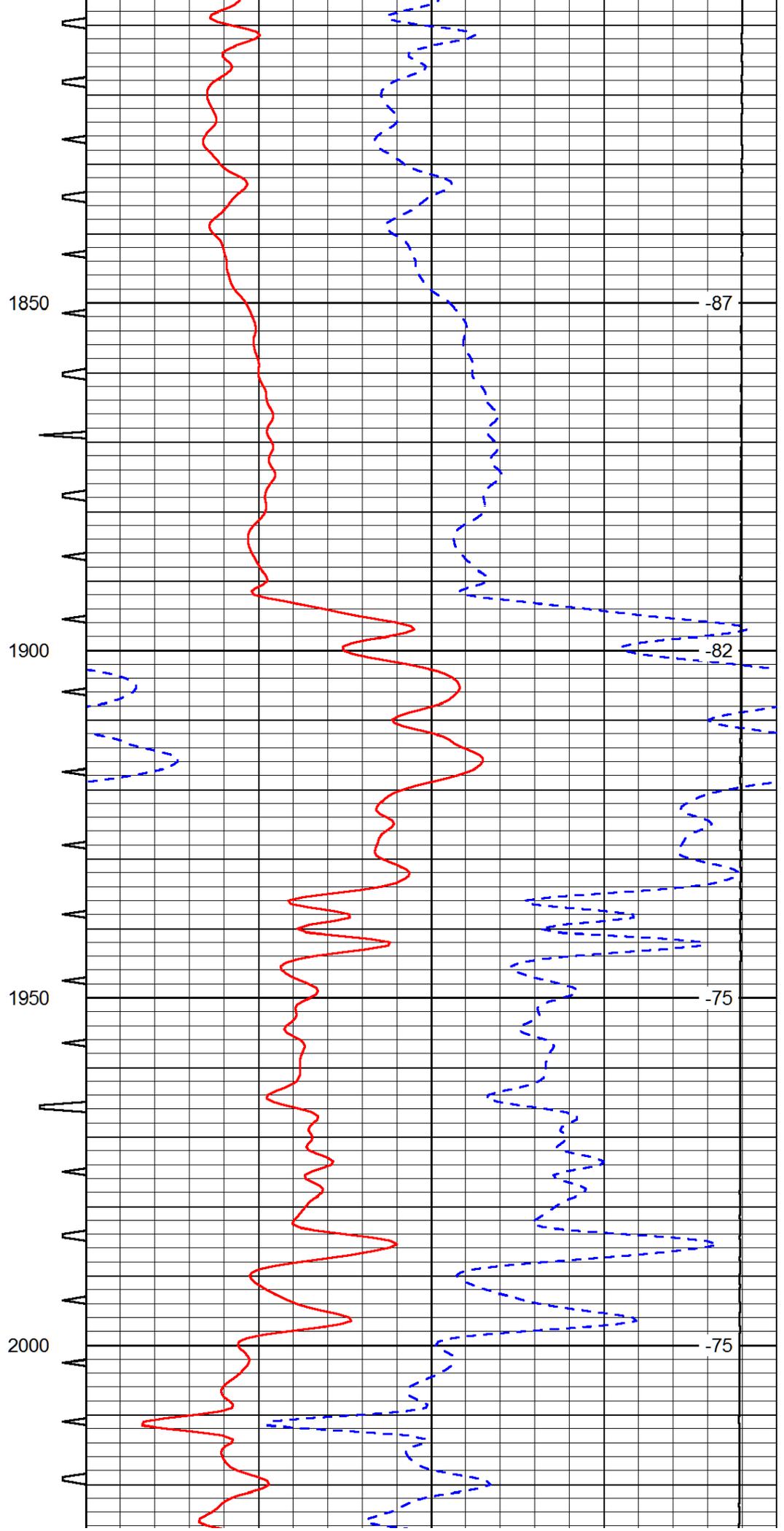
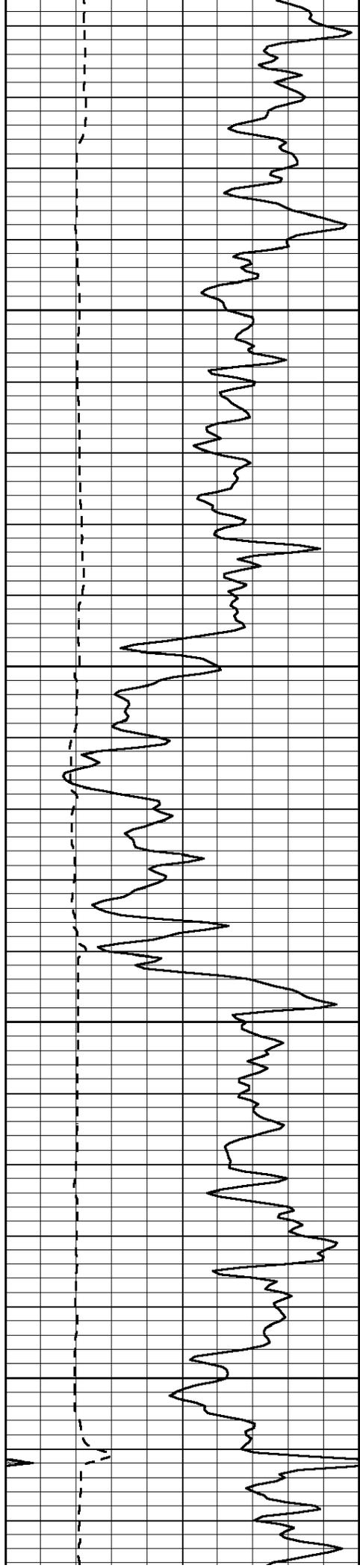


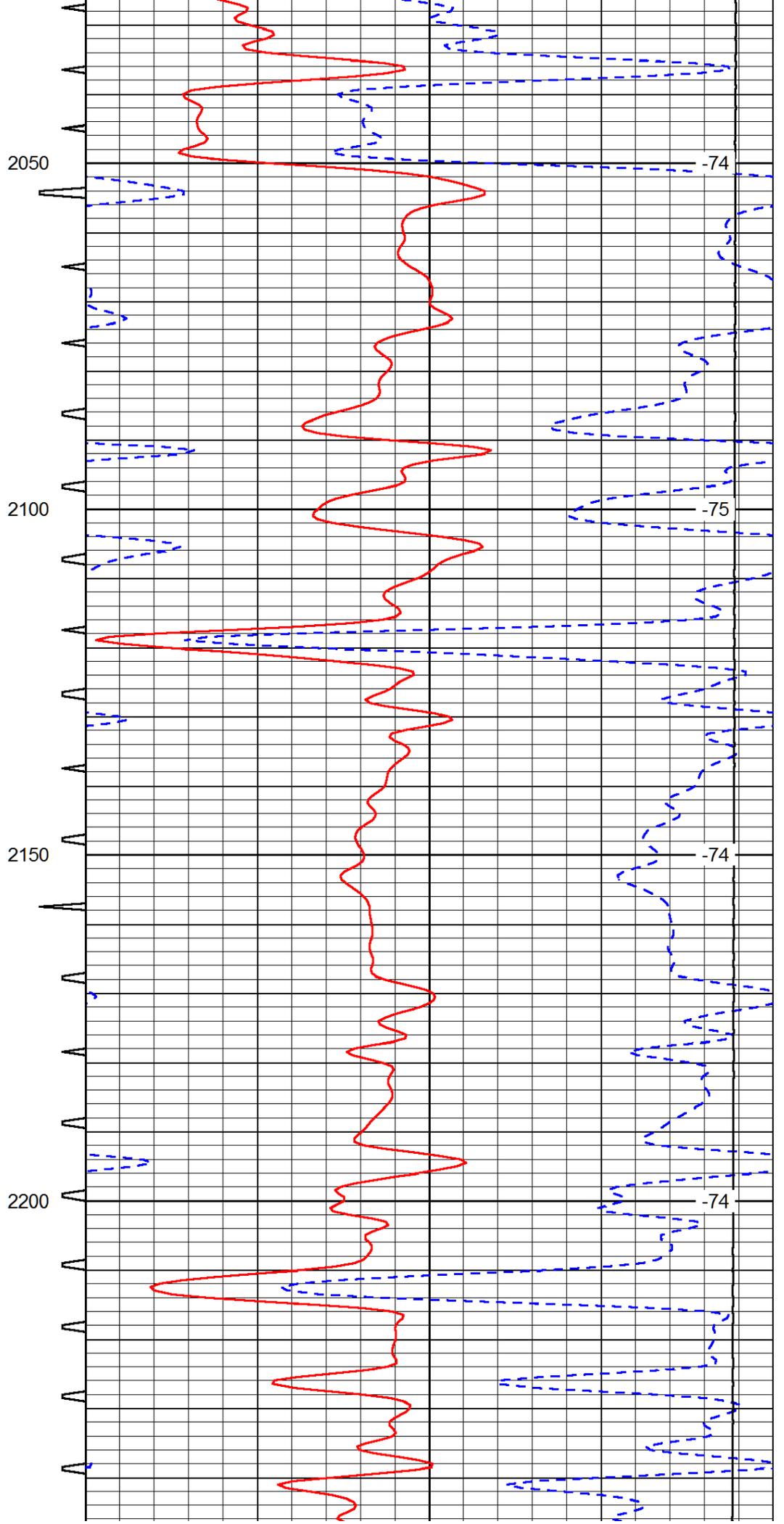
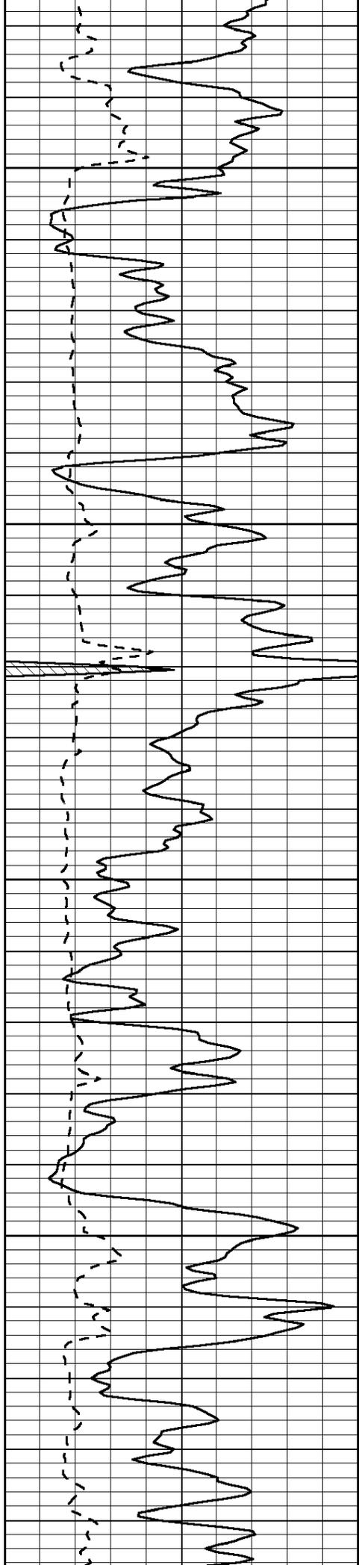


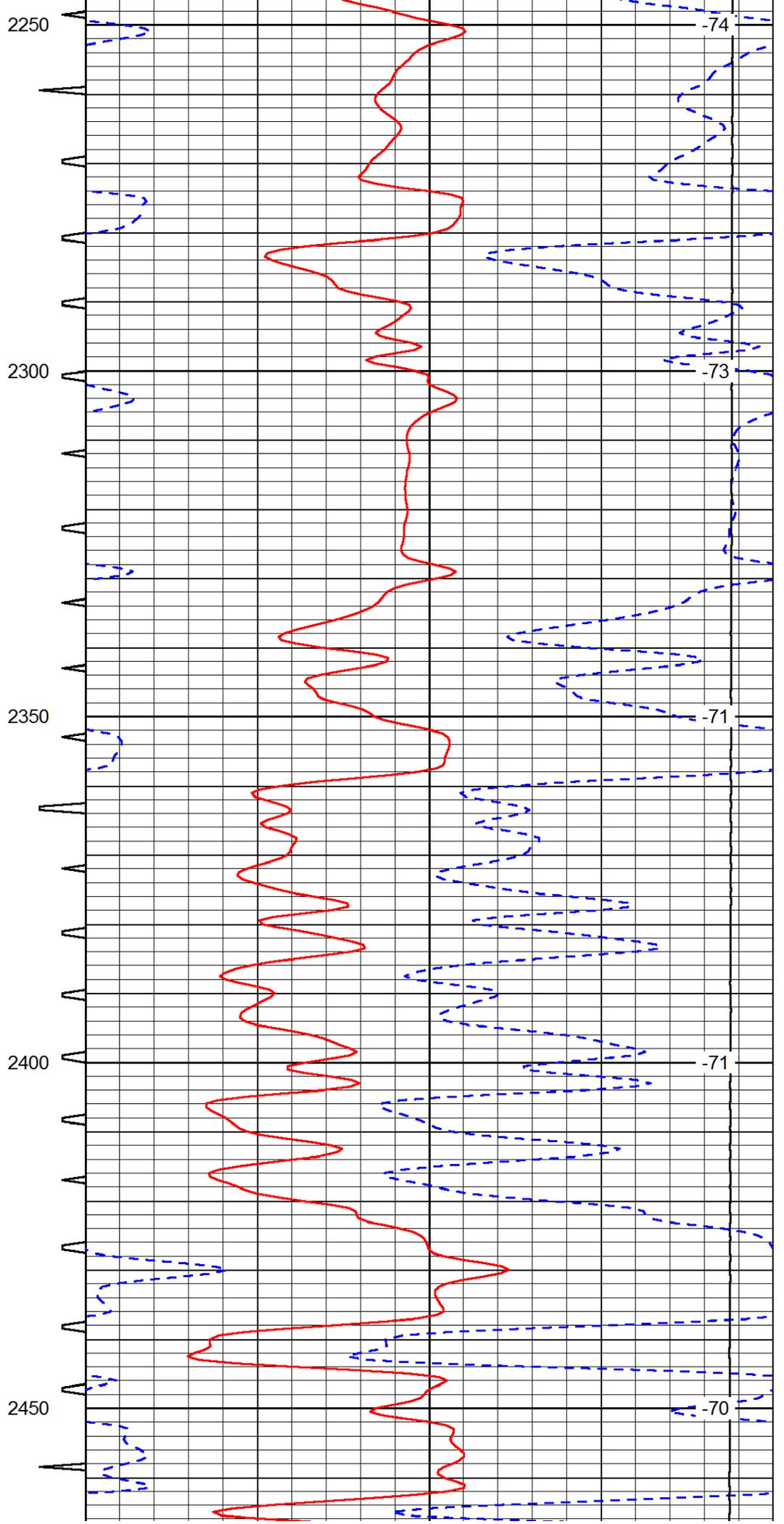
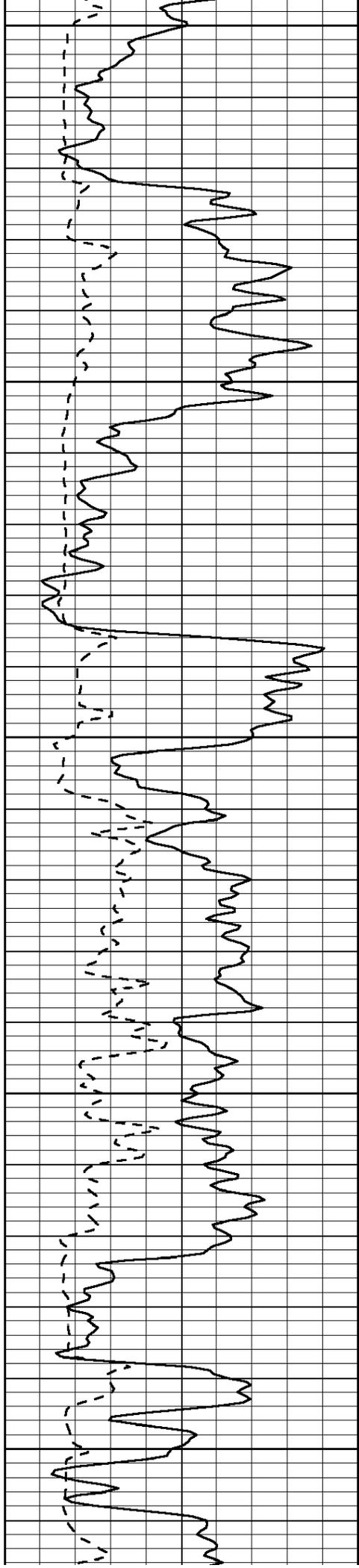


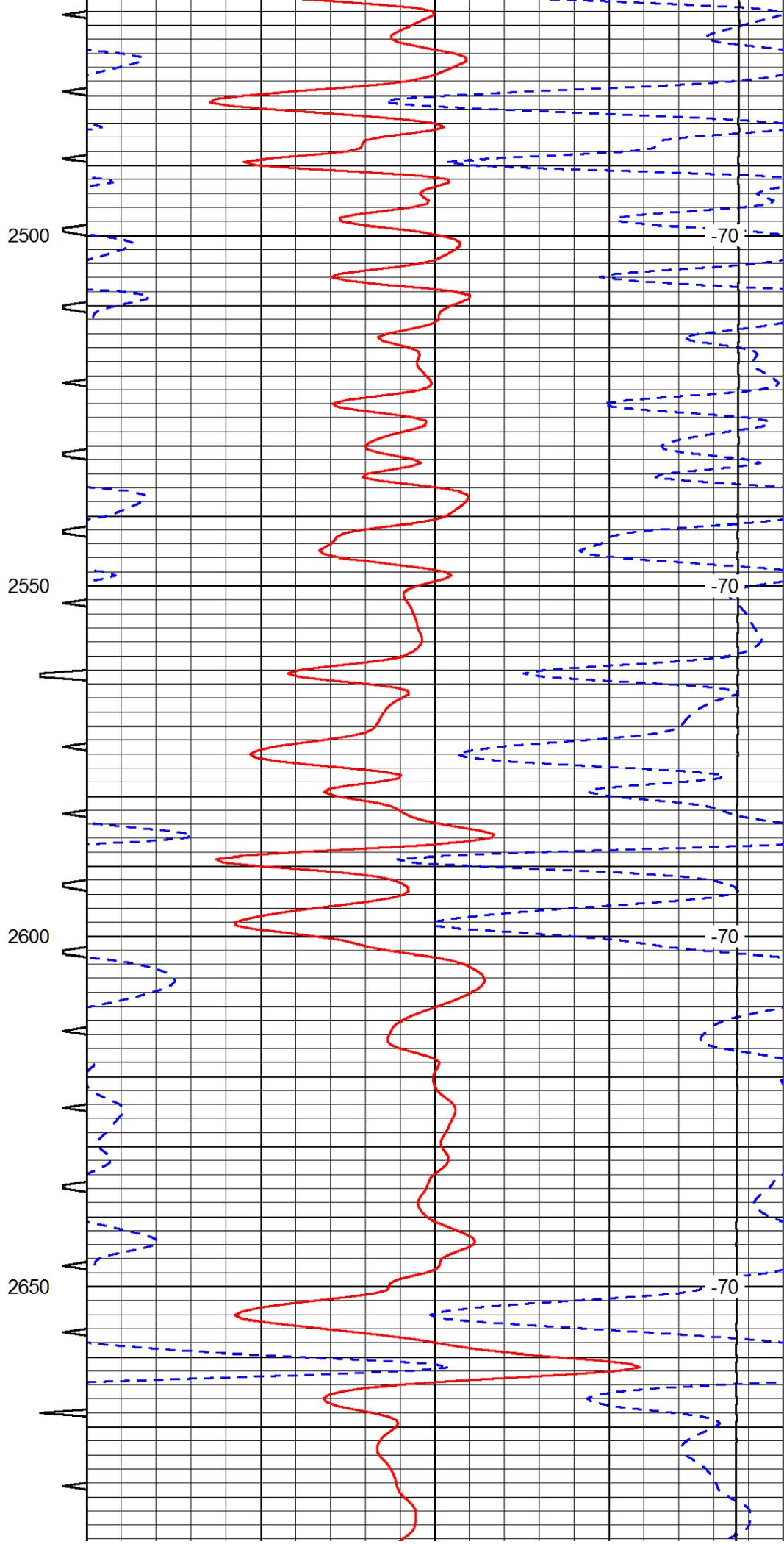
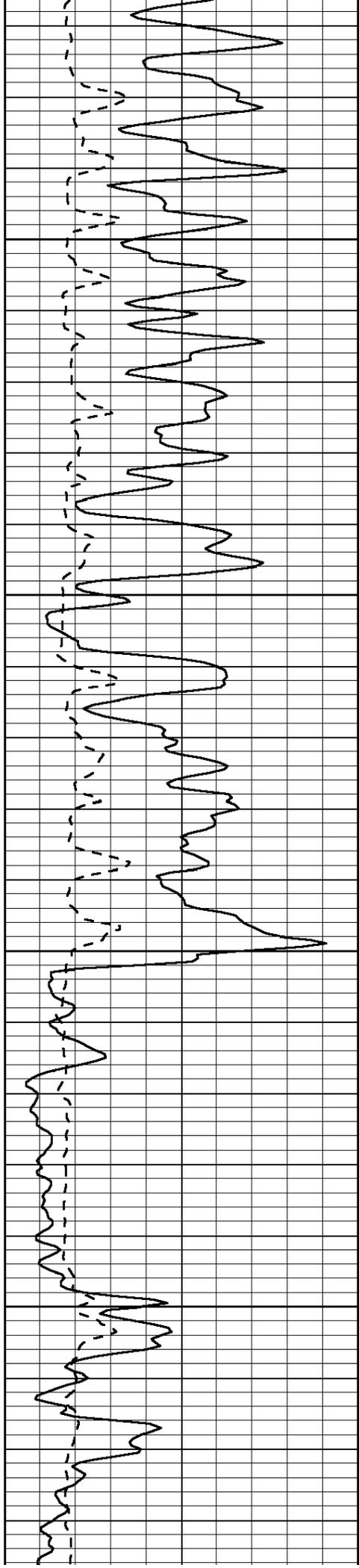


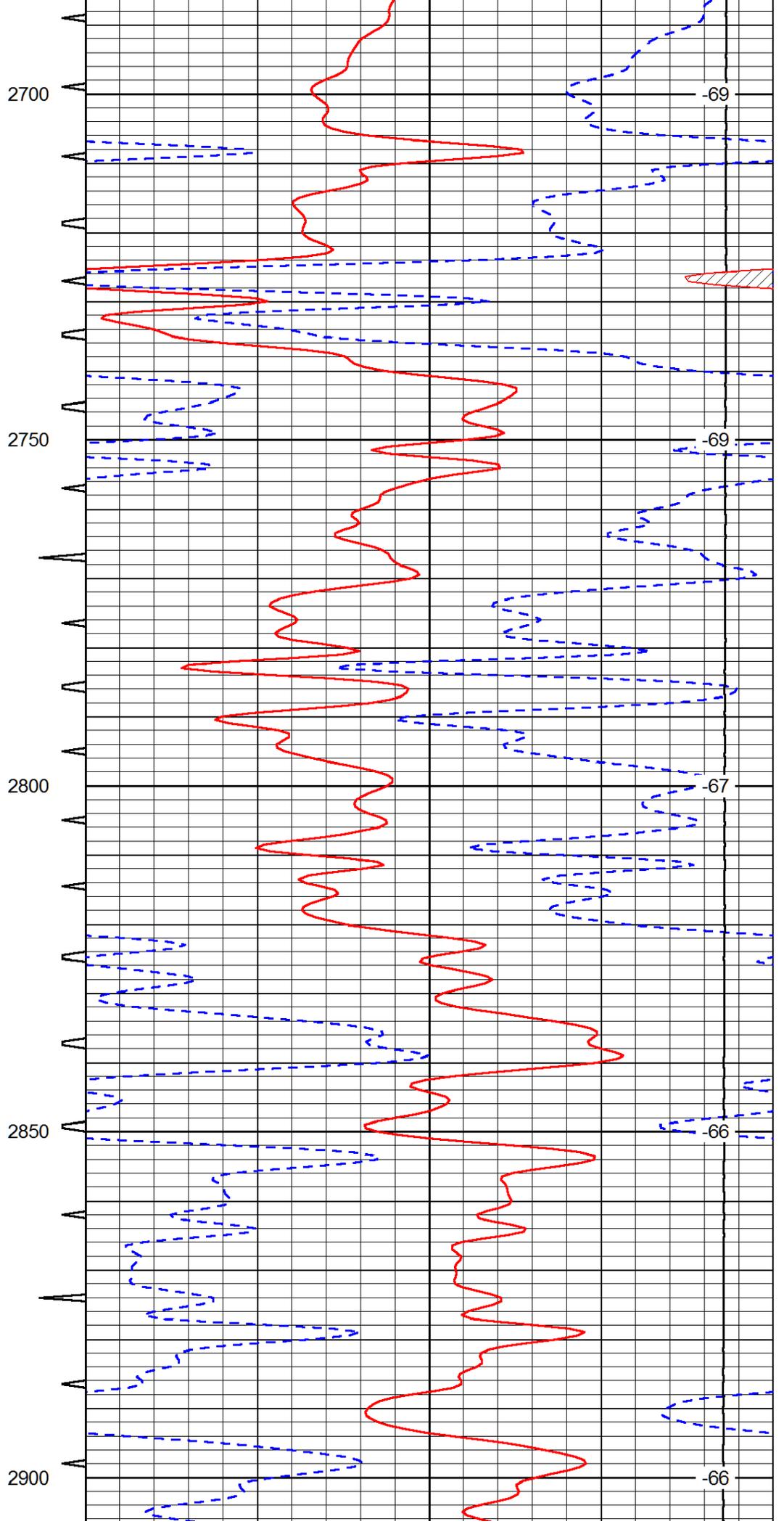
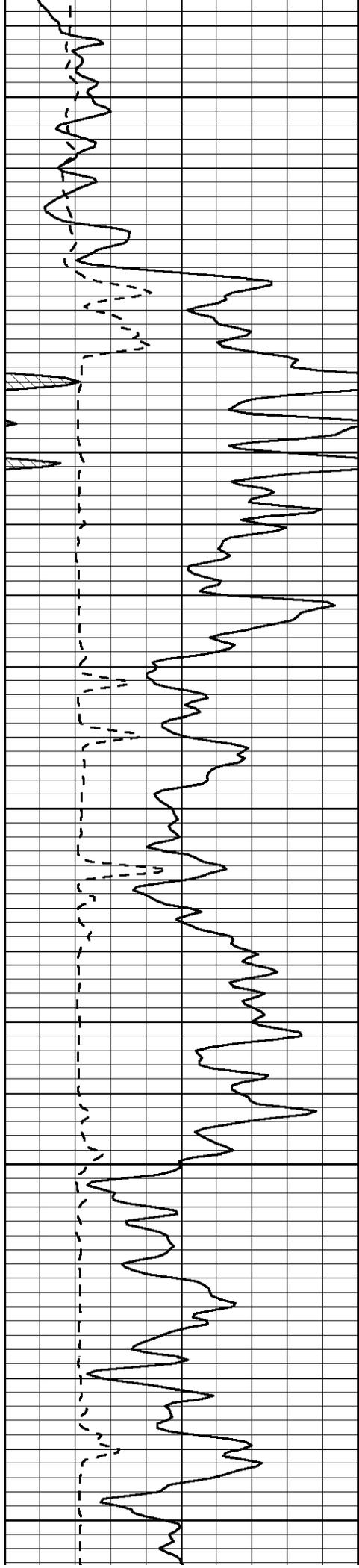


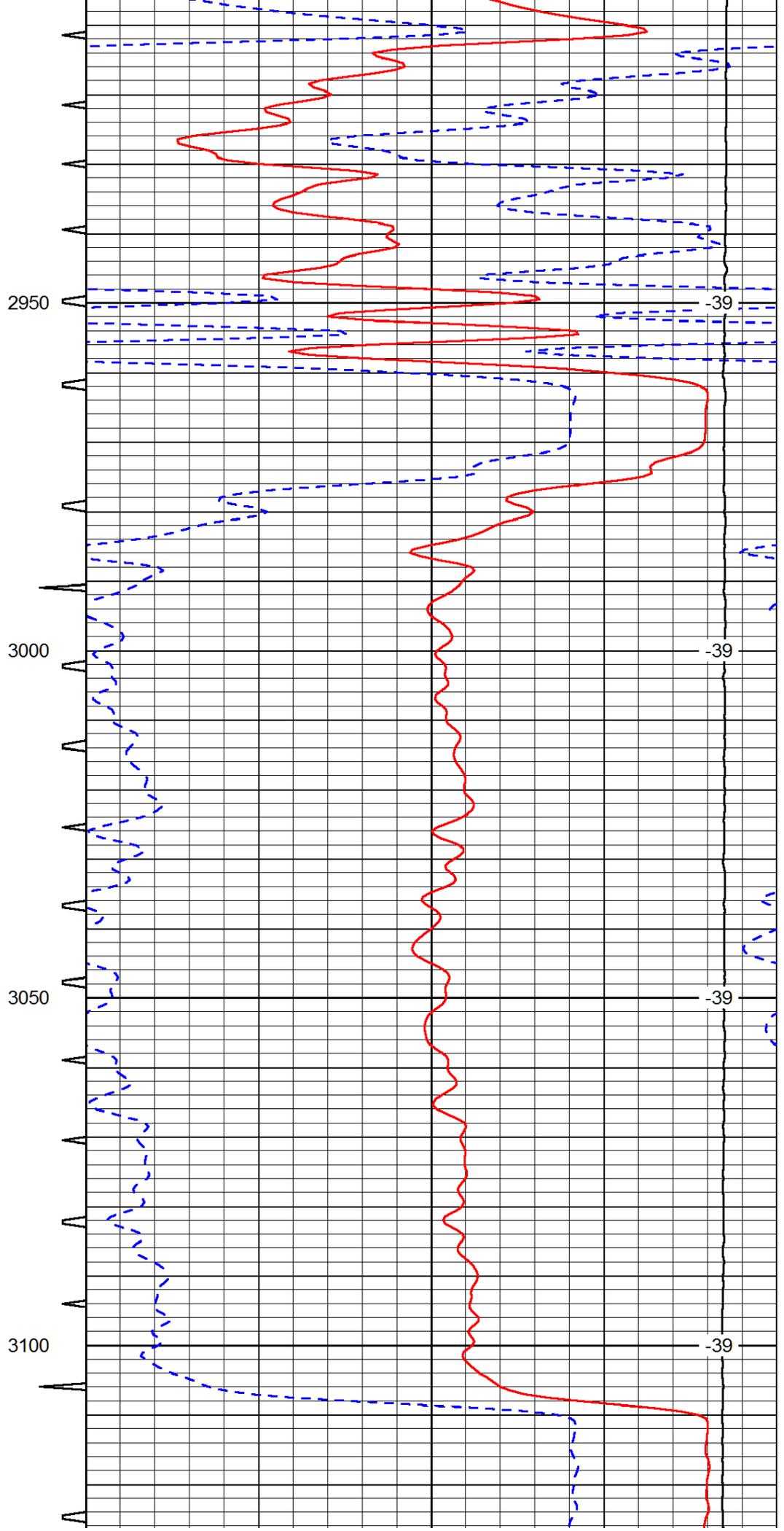
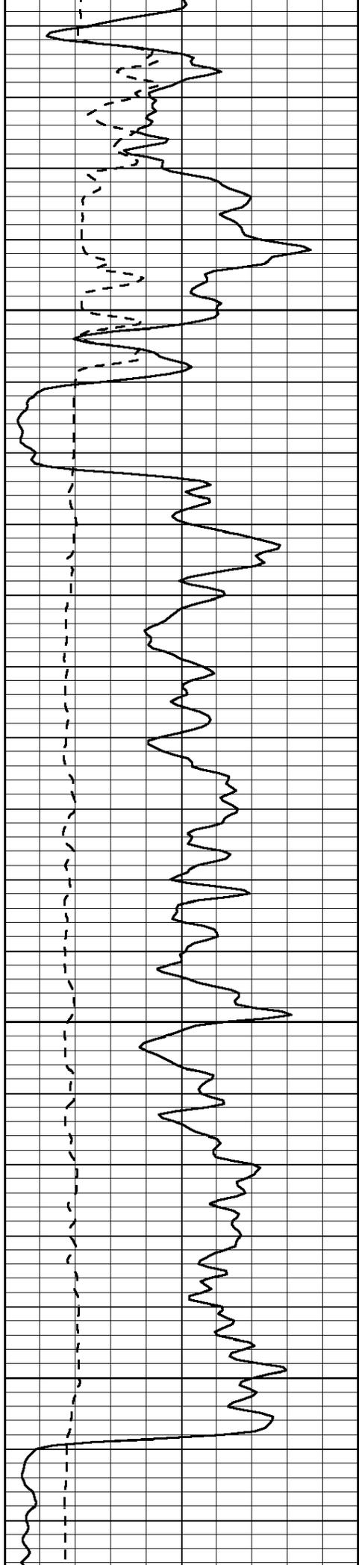


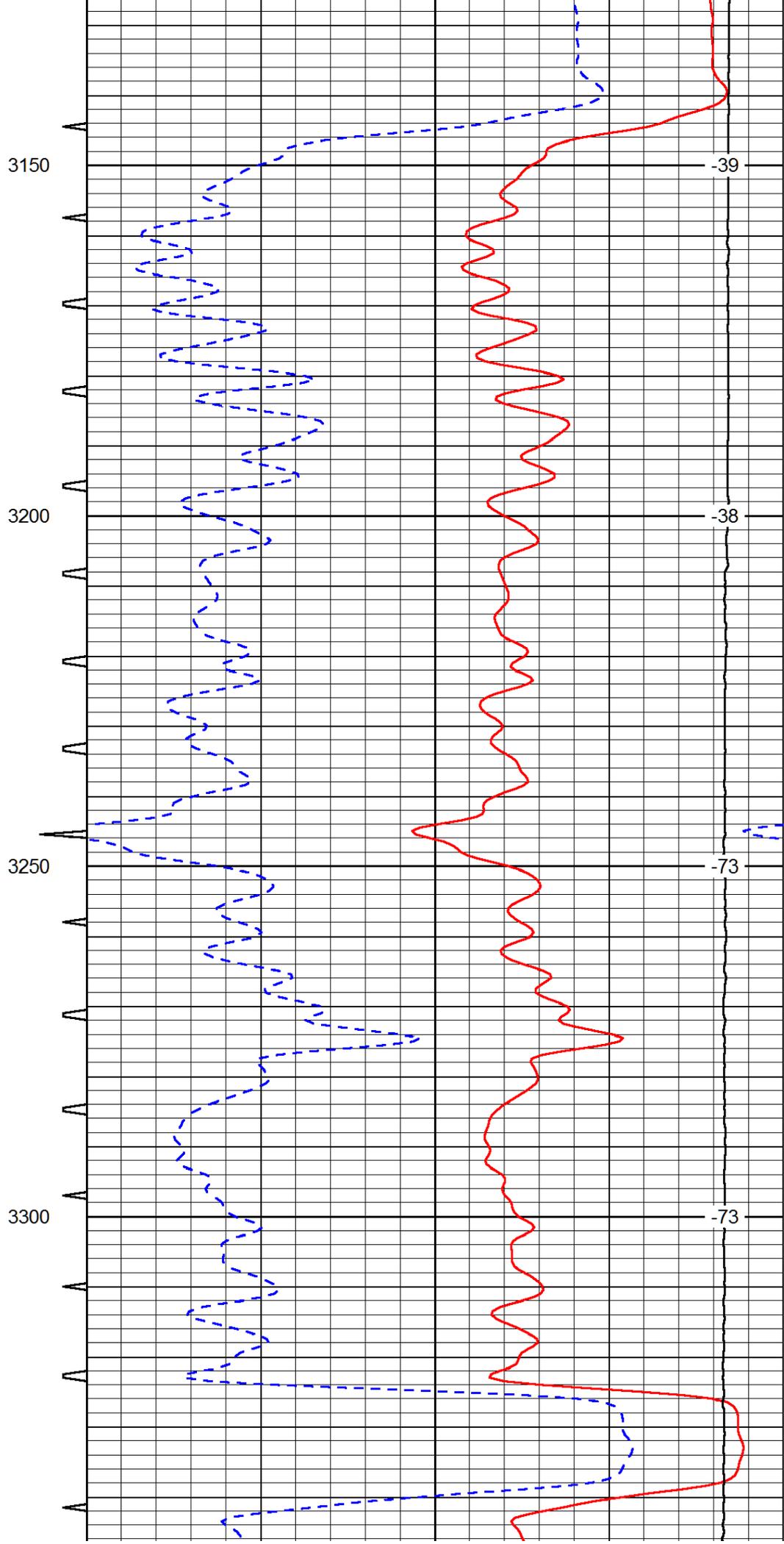
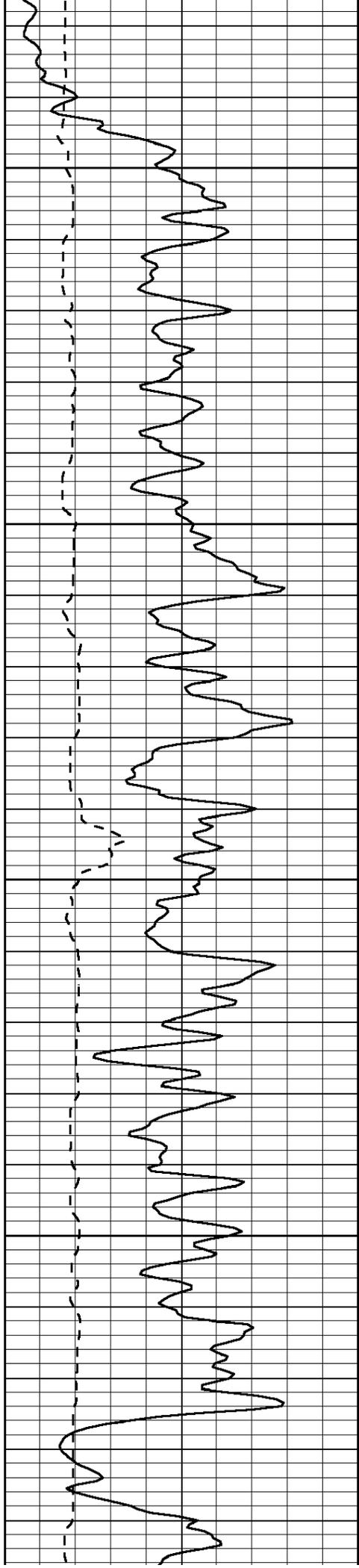


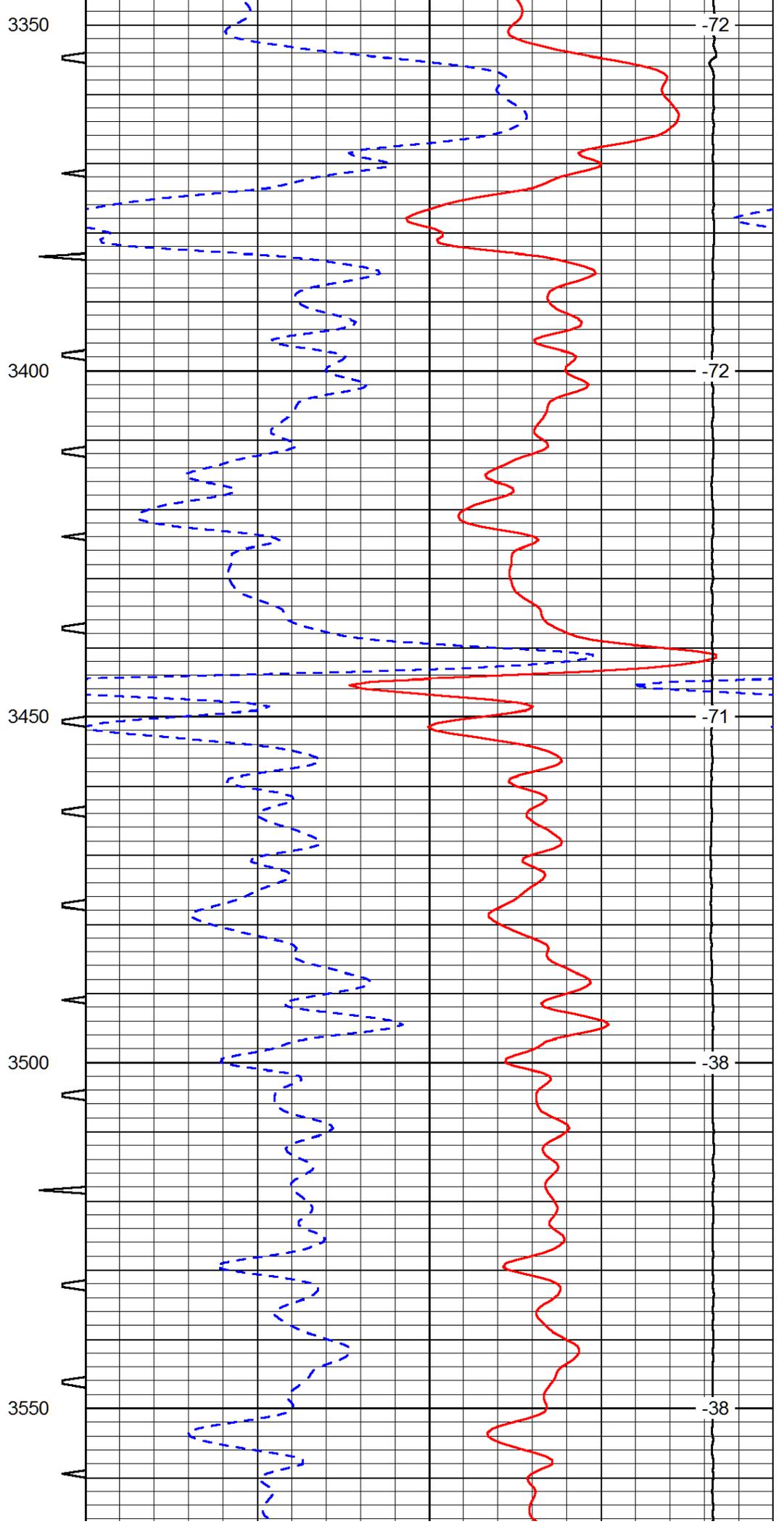
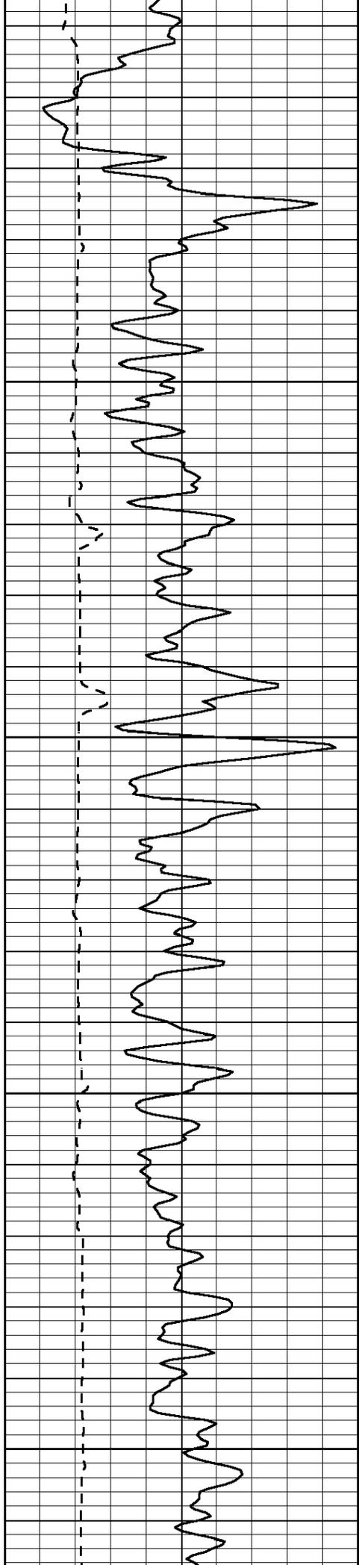


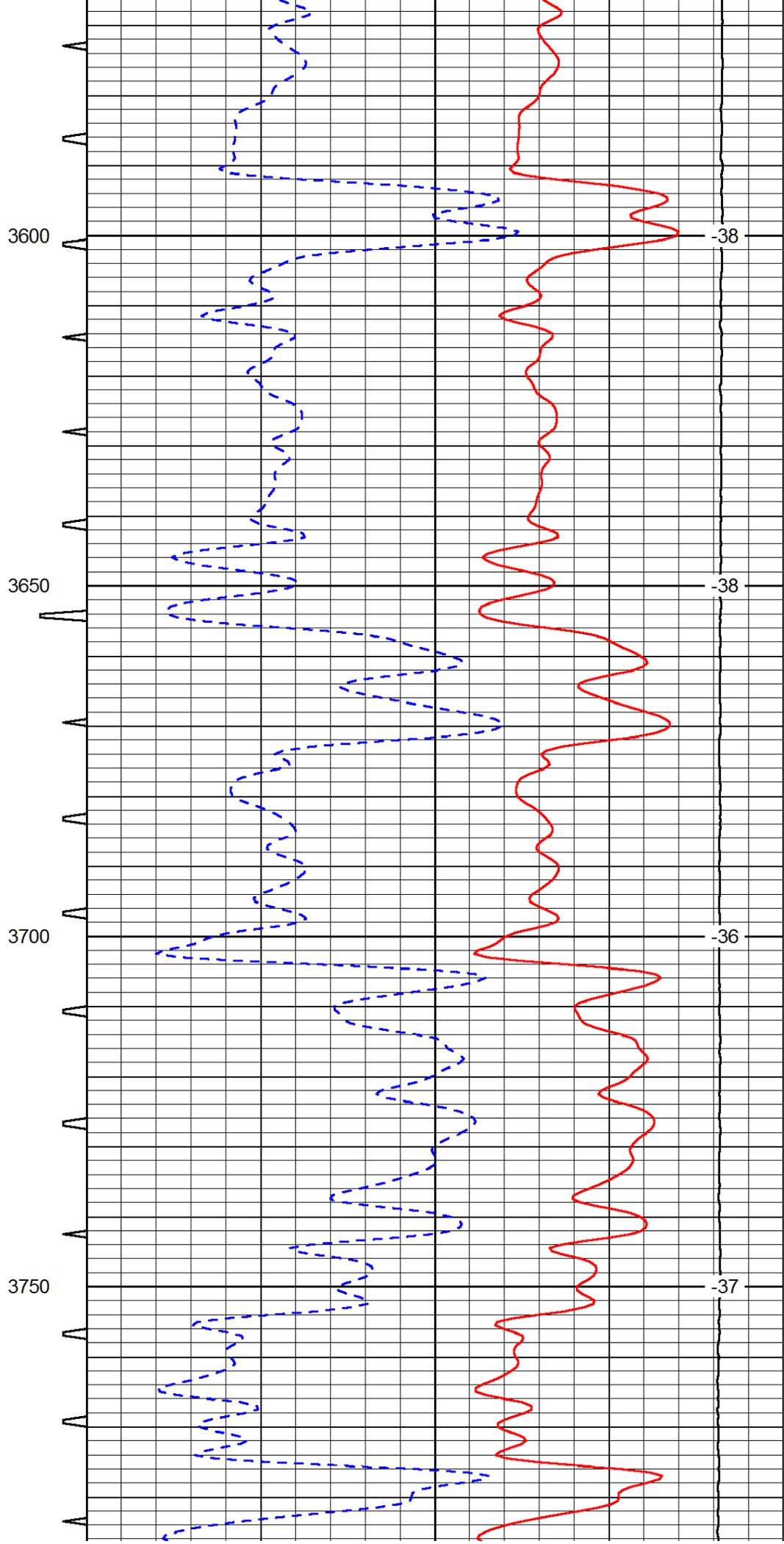
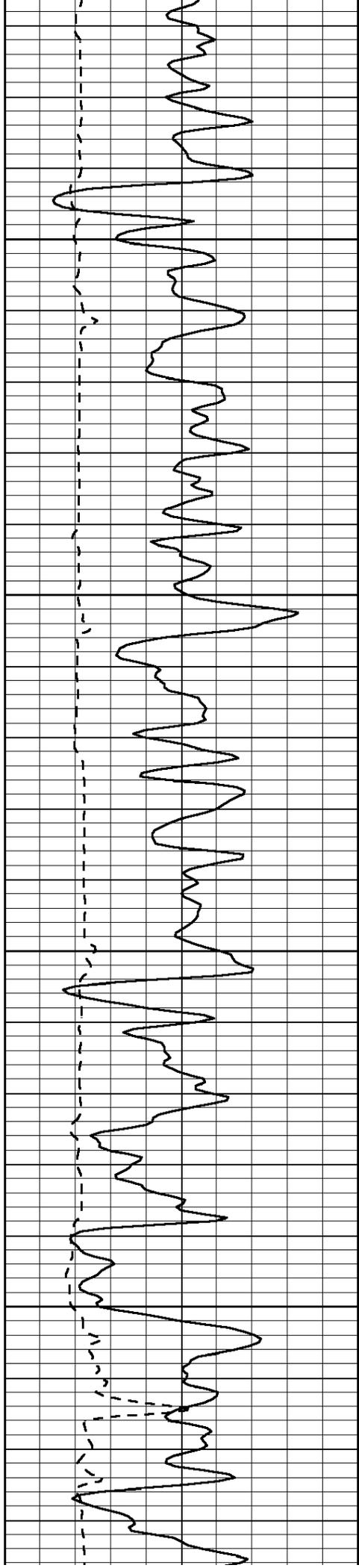


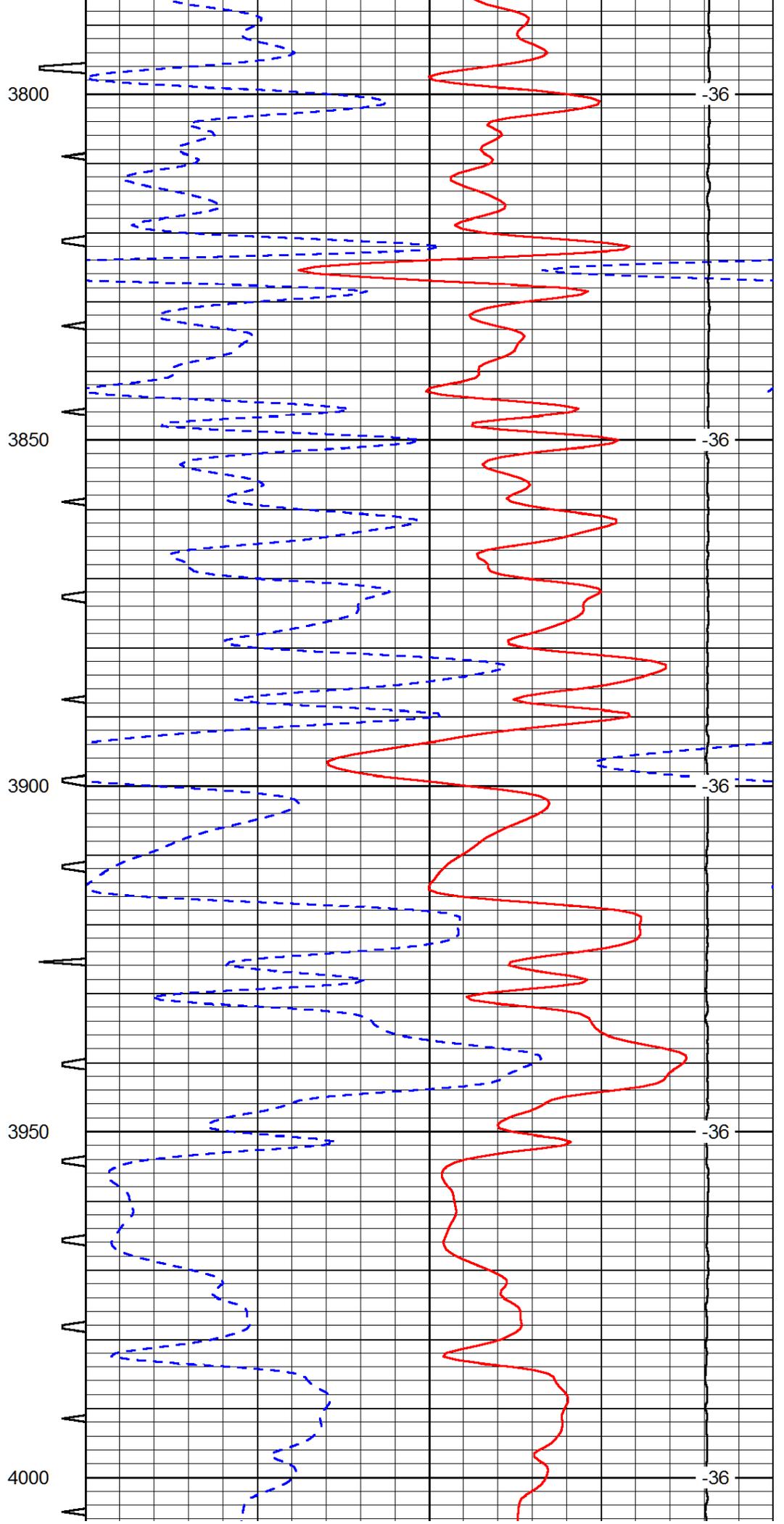
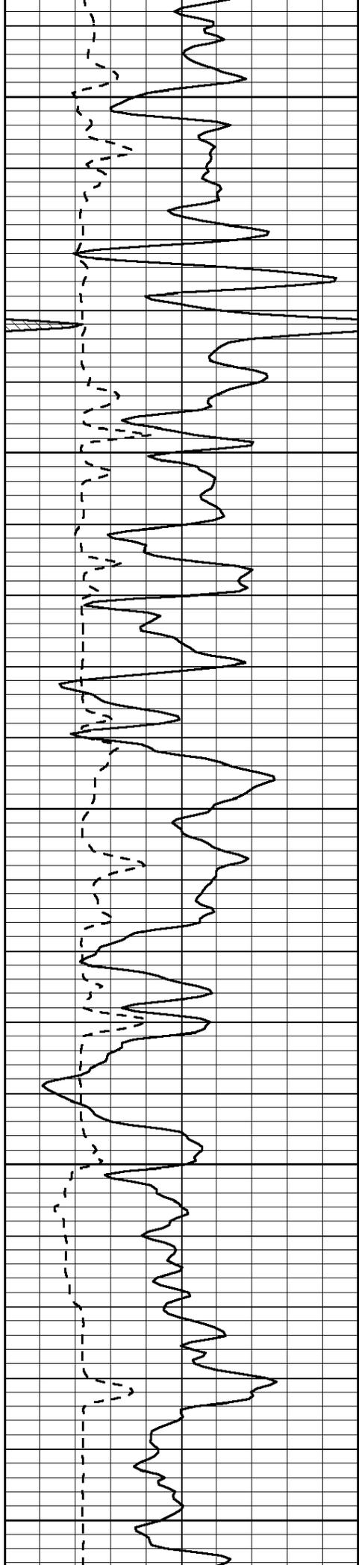


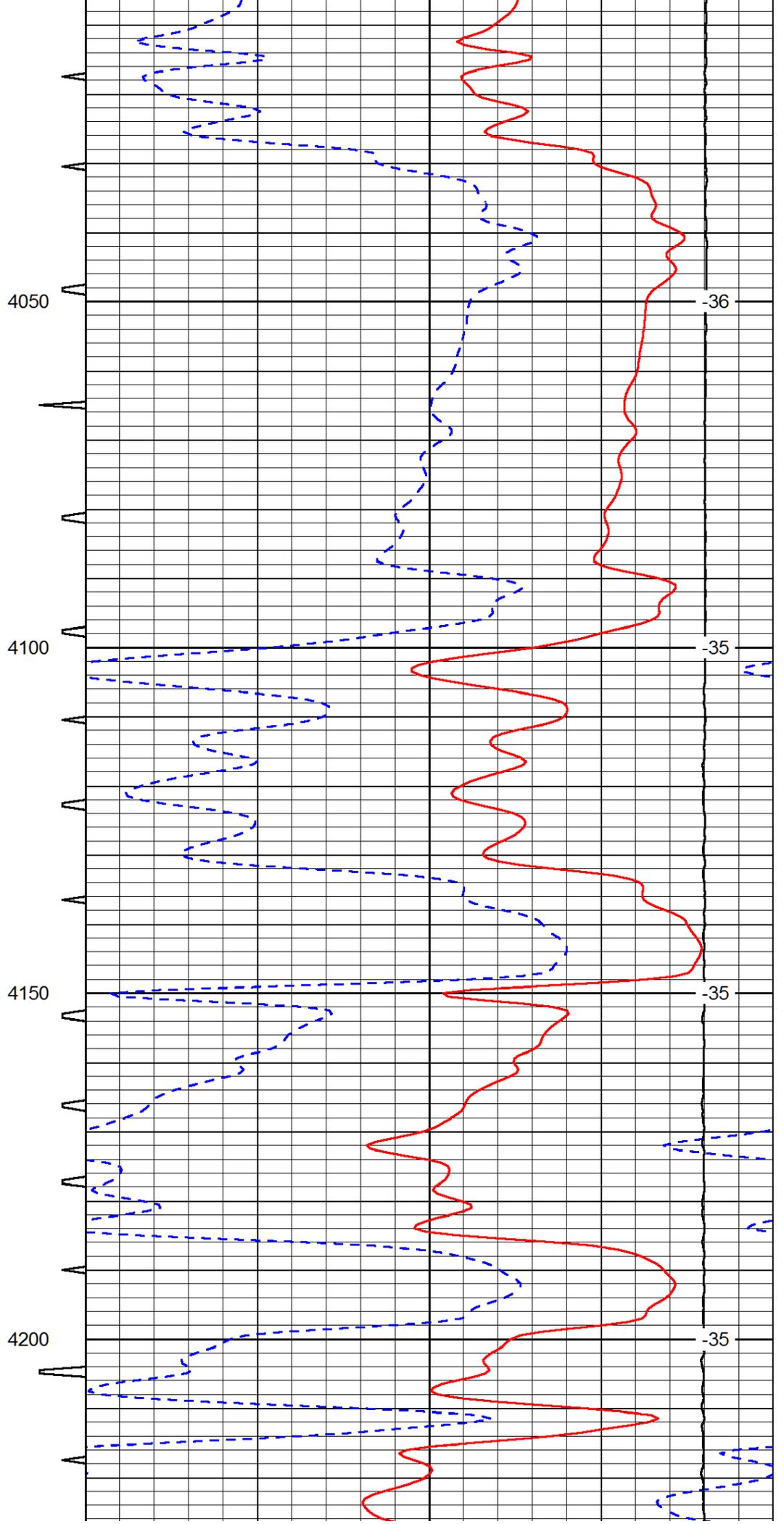
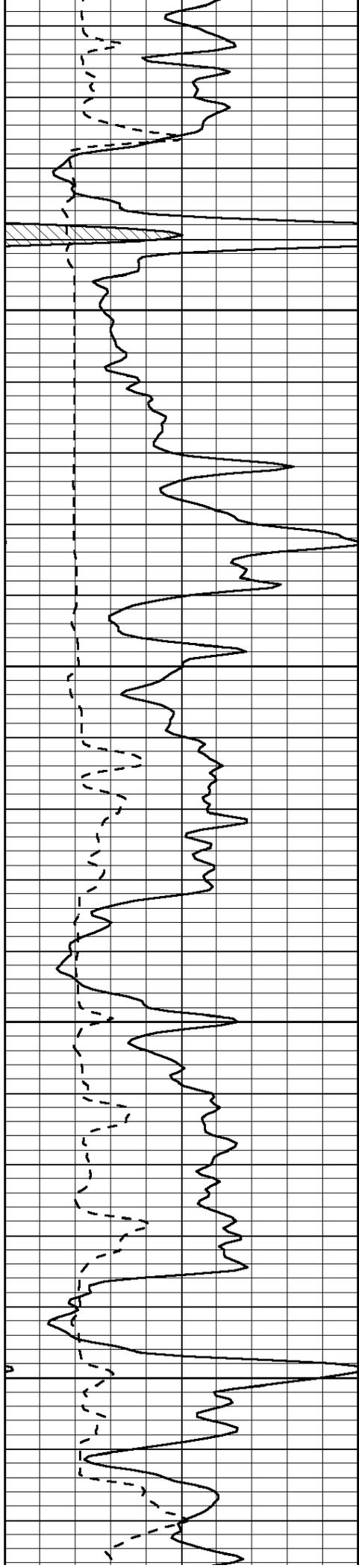


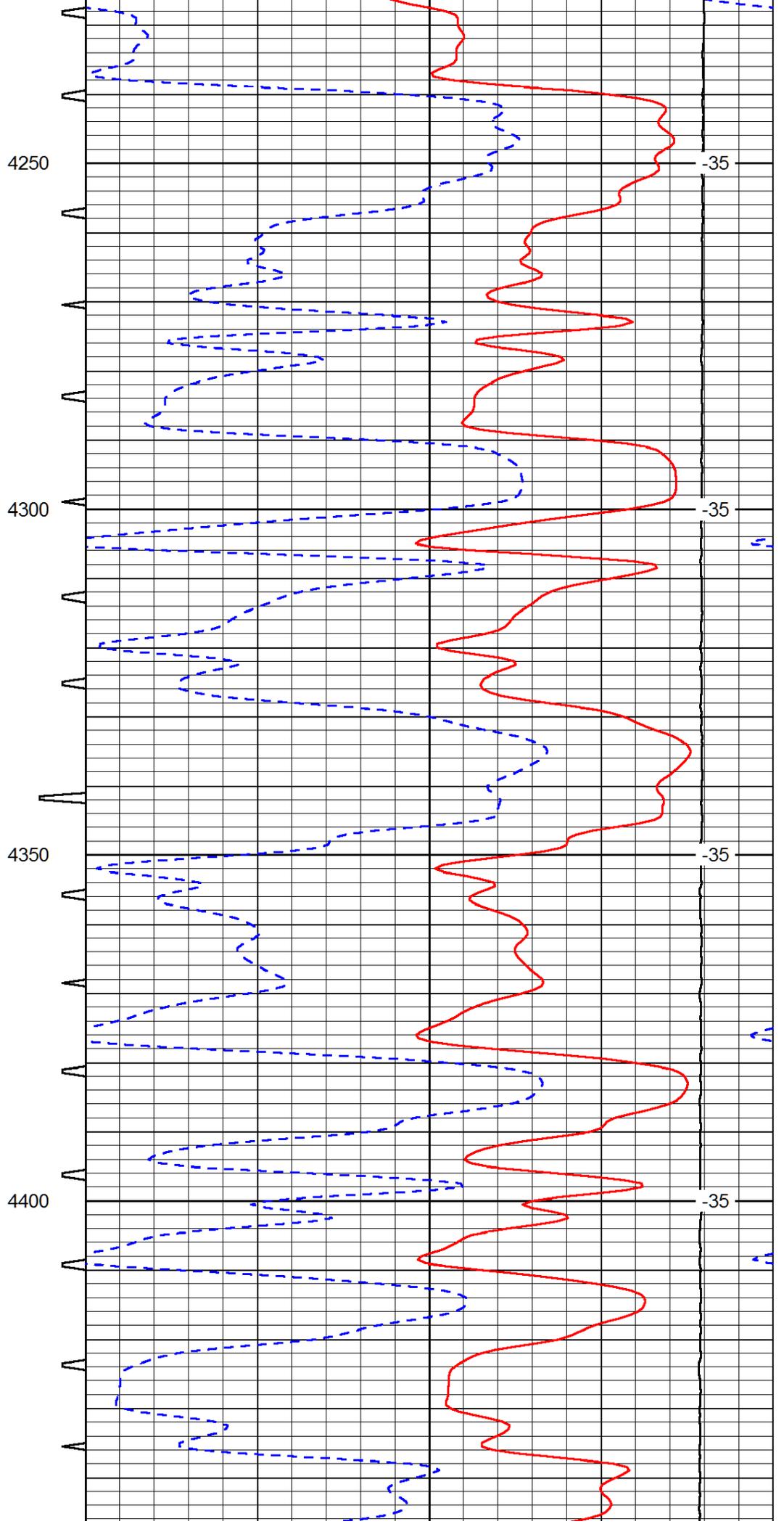
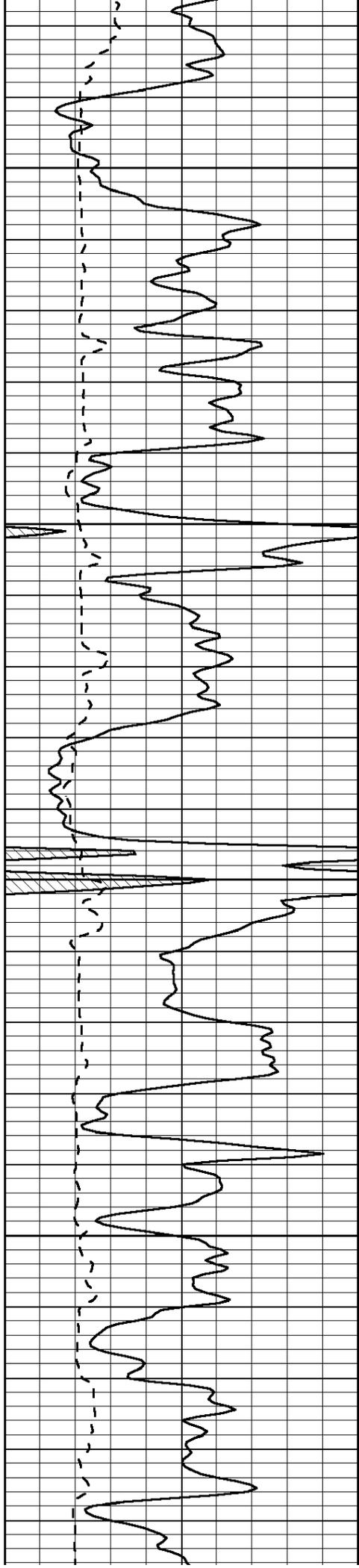


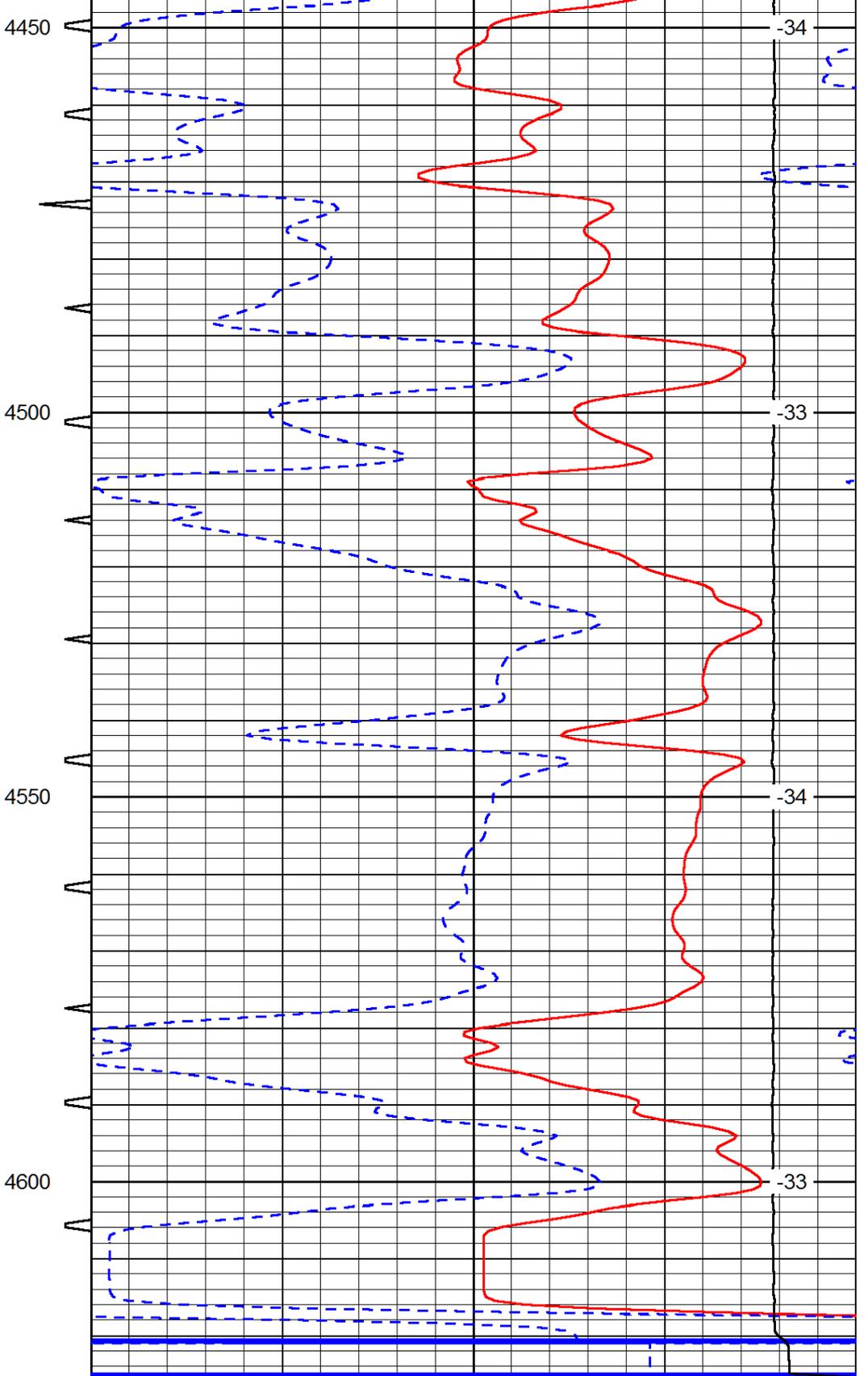
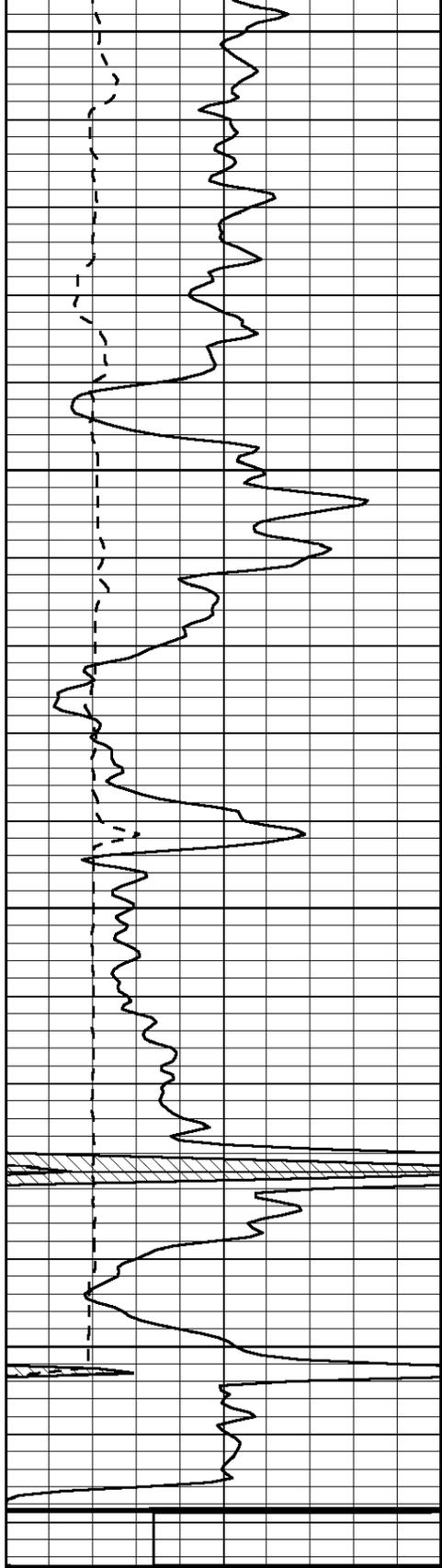












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(ft/min)