



Pioneer Energy Services

# Borehole Compensated Sonic Log

15-151-22427-00-00

Company **Rama Operating Company, Inc.**  
 Well **Greenback # 1-27**  
 Field **Chance**  
 County **Pratt** State **Kansas**

Location **330' FSL & 2310' FWL**  
 Sec: **27** Twp: **26 S** Rge: **13 W**

Other Services  
 CNL/CDL  
 MEL/DIL

Permanent Datum **Ground Level** Elevation **1944**  
 Log Measured From **Kelly Bushing** **13 Ft. Above Perm. Datum**  
 Drilling Measured From **Kelly Bushing**

Elevation  
 K.B. 1957  
 D.F. 1944  
 G.L. 1944

Date	11/27/2013	
Run Number	Two	
Type Log	BHC Sonic	
Depth Driller	4430	
Depth Logger	4428	
Bottom Logged Interval	4417	
Top Logged Interval	250	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	5000	
Density	9.4	
Level	Full	
Max. Rec. Temp. F	122	
Operating Rig Time	6 Hours	
Equipment -- Location	91 Hays	
Recorded By	Y. Ruiz	
Witnessed By	Josh Austin	

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	275	8.625	24#	00	275
2	7.875	275	4430				

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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.

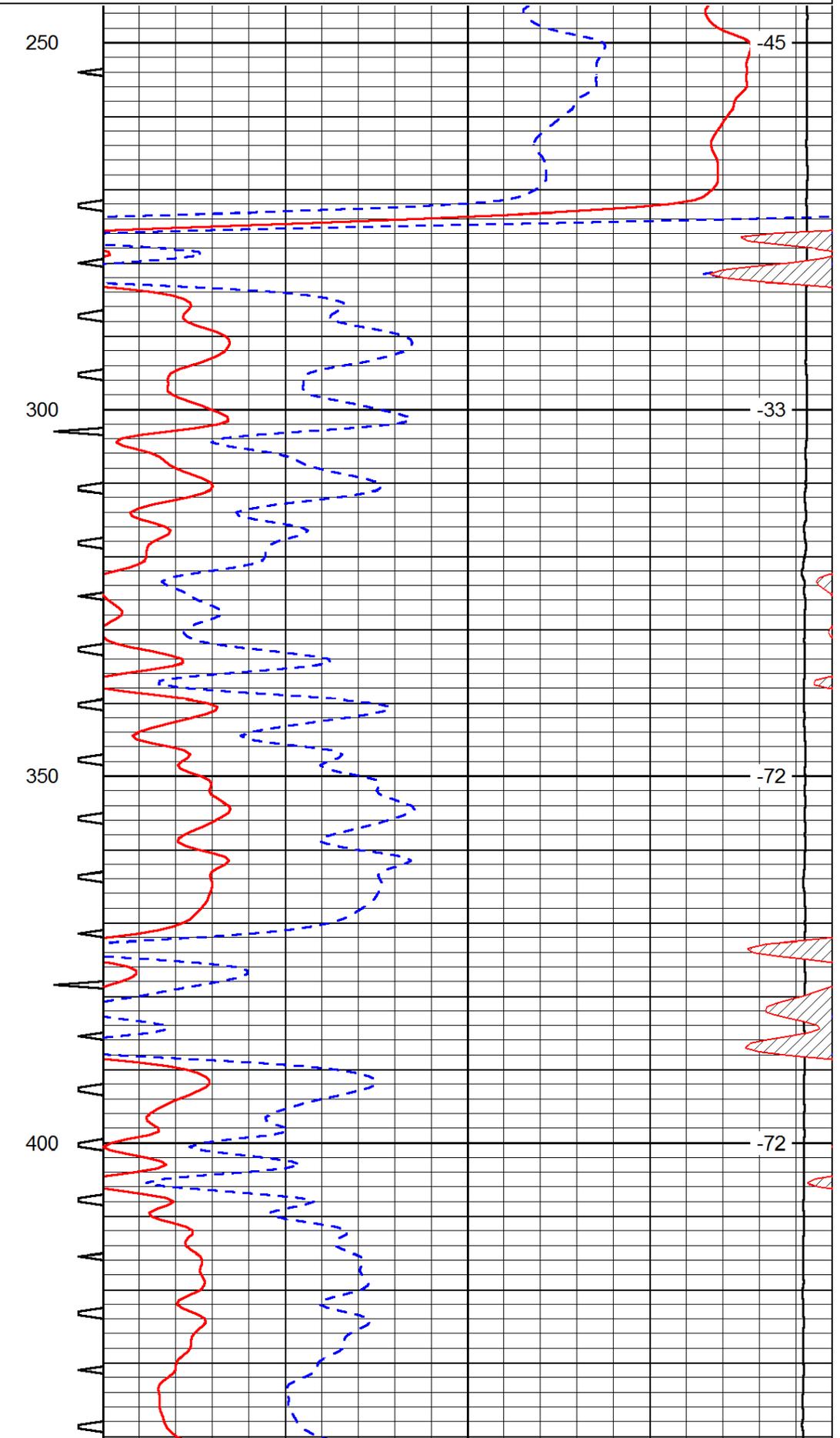
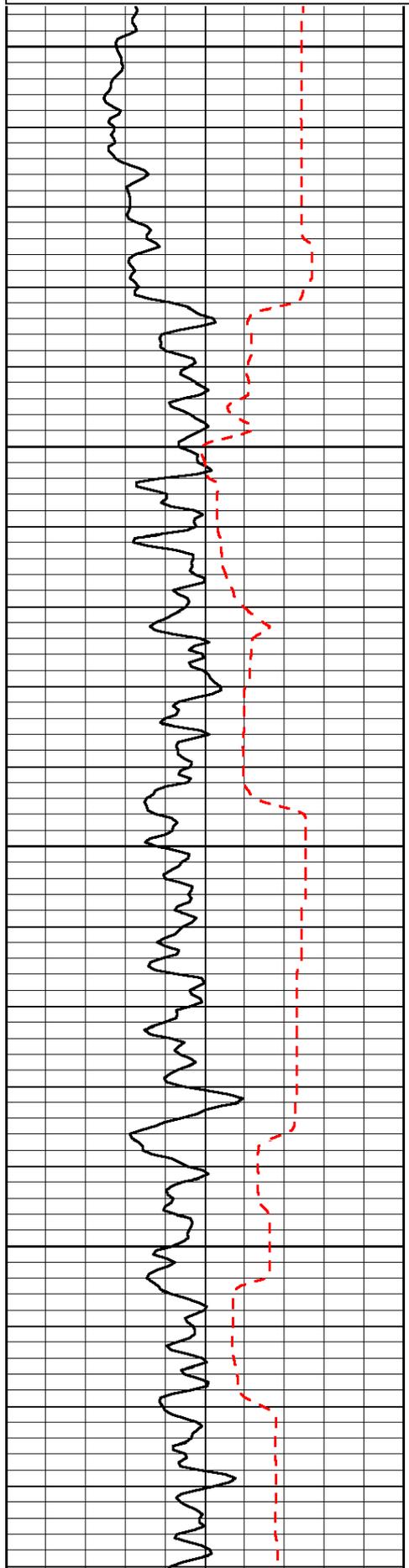
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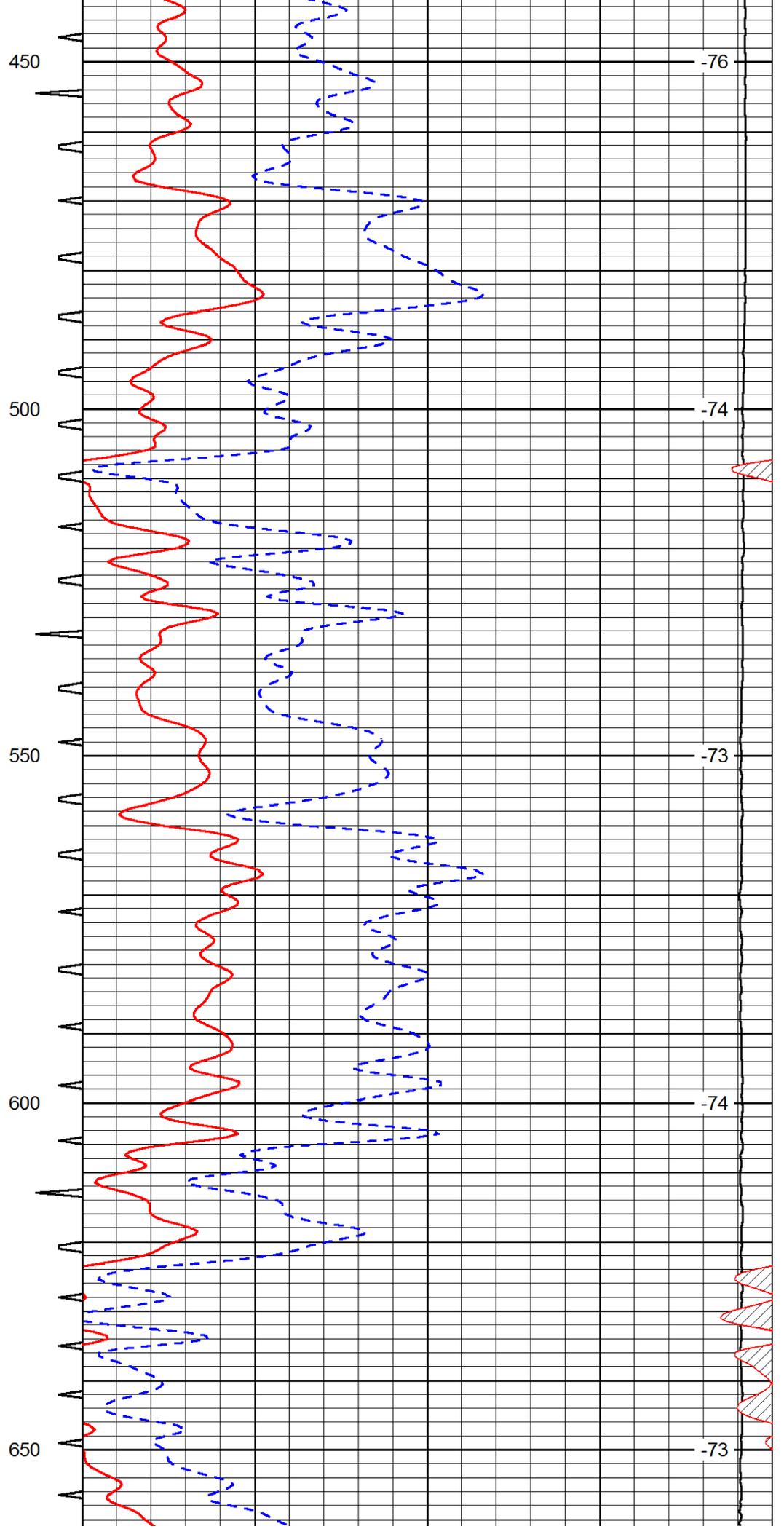
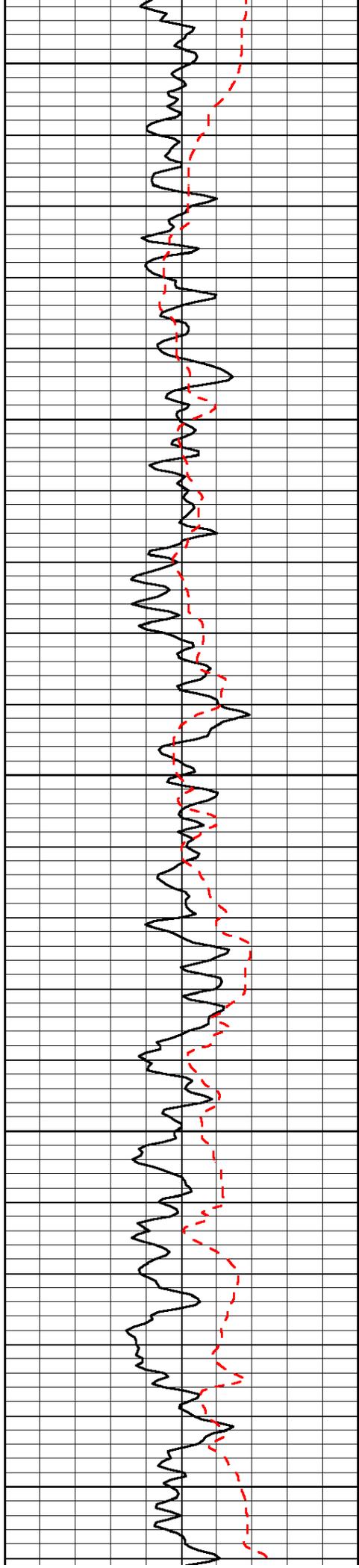
Thank you for using Pioneer Energy Services  
 www.pioneer.com  
 785 625 3858  
 luka,  
 1 North to 70 St, 1/4 East,  
 North and East into

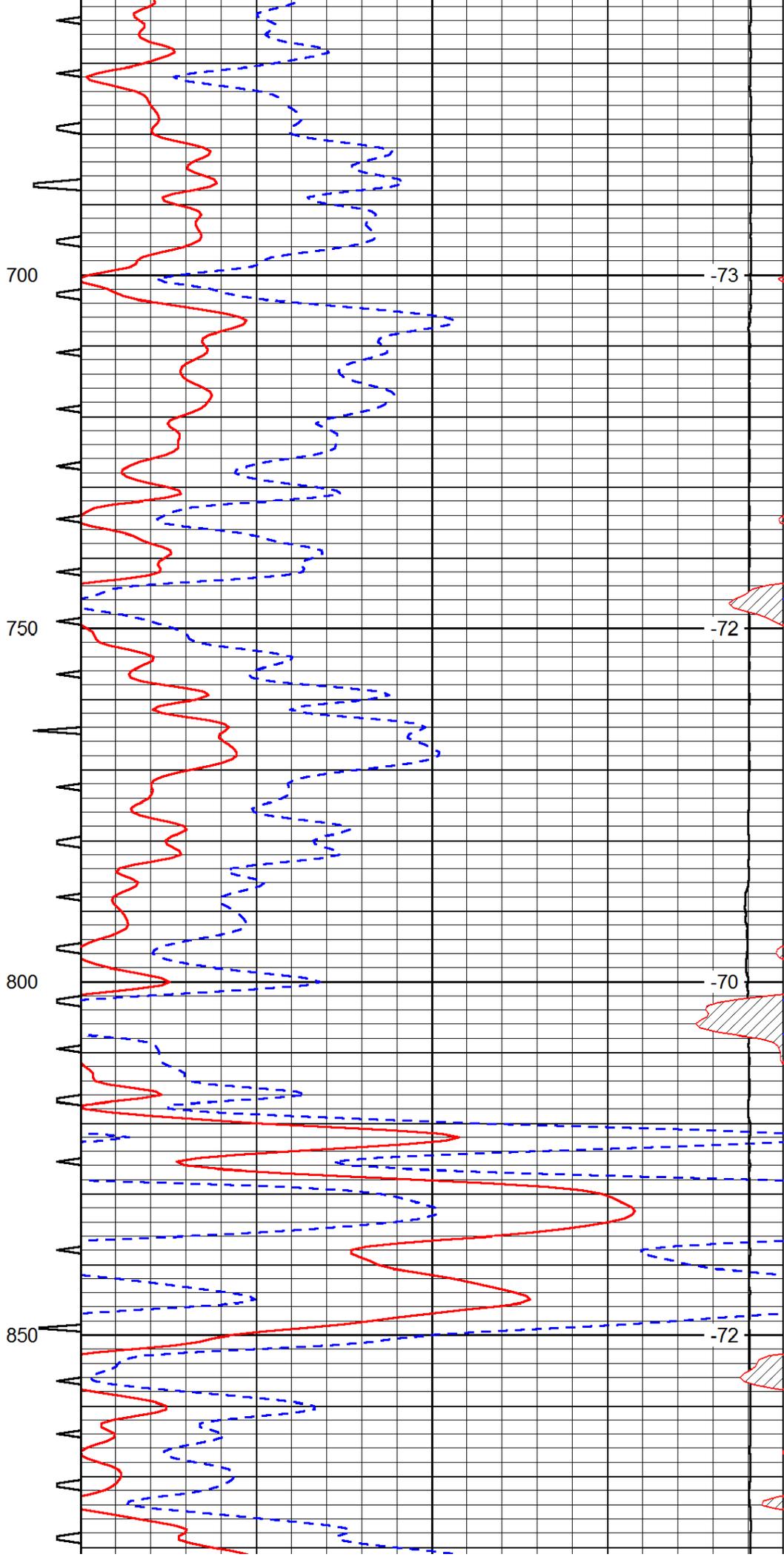
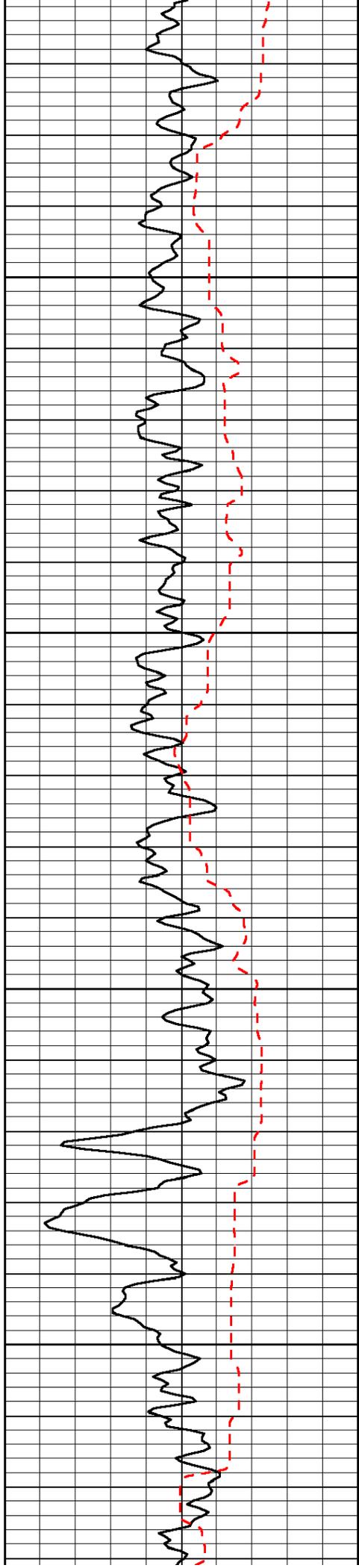
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 Presentation Format: sonic  
 Dataset Creation: Wed Nov 27 19:31:39 2013  
 Charted by: Depth in Feet scaled 1:240

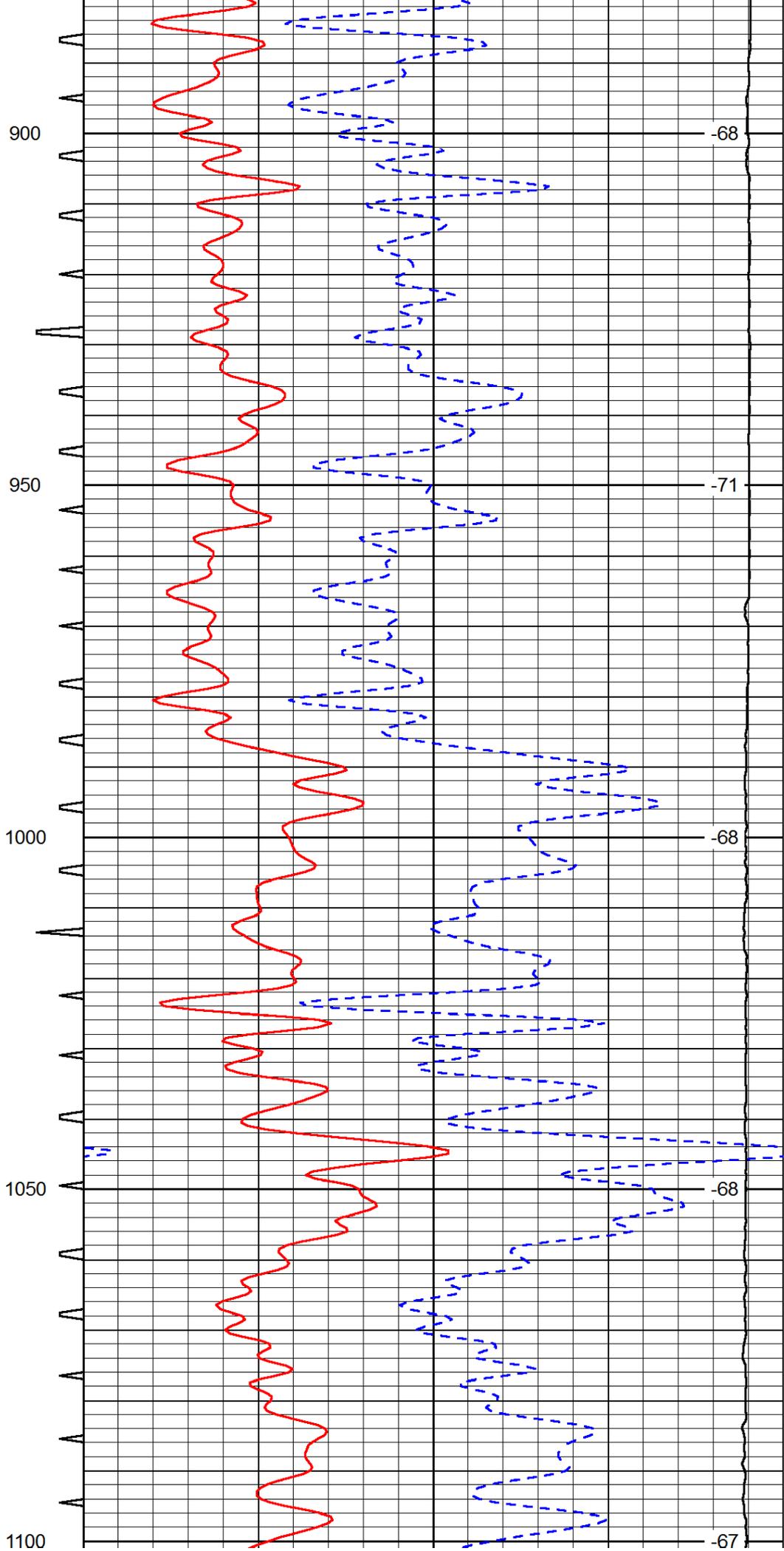
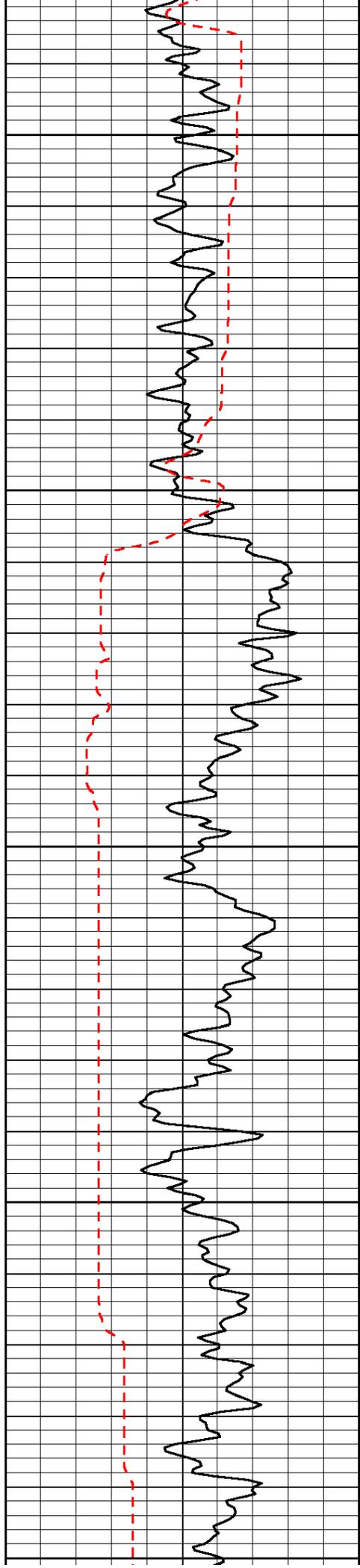
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150	Gamma Ray	300	5	0	SPOR	-10
6	Caliper (GAPI)	16		15000	LTEN (lb)	0

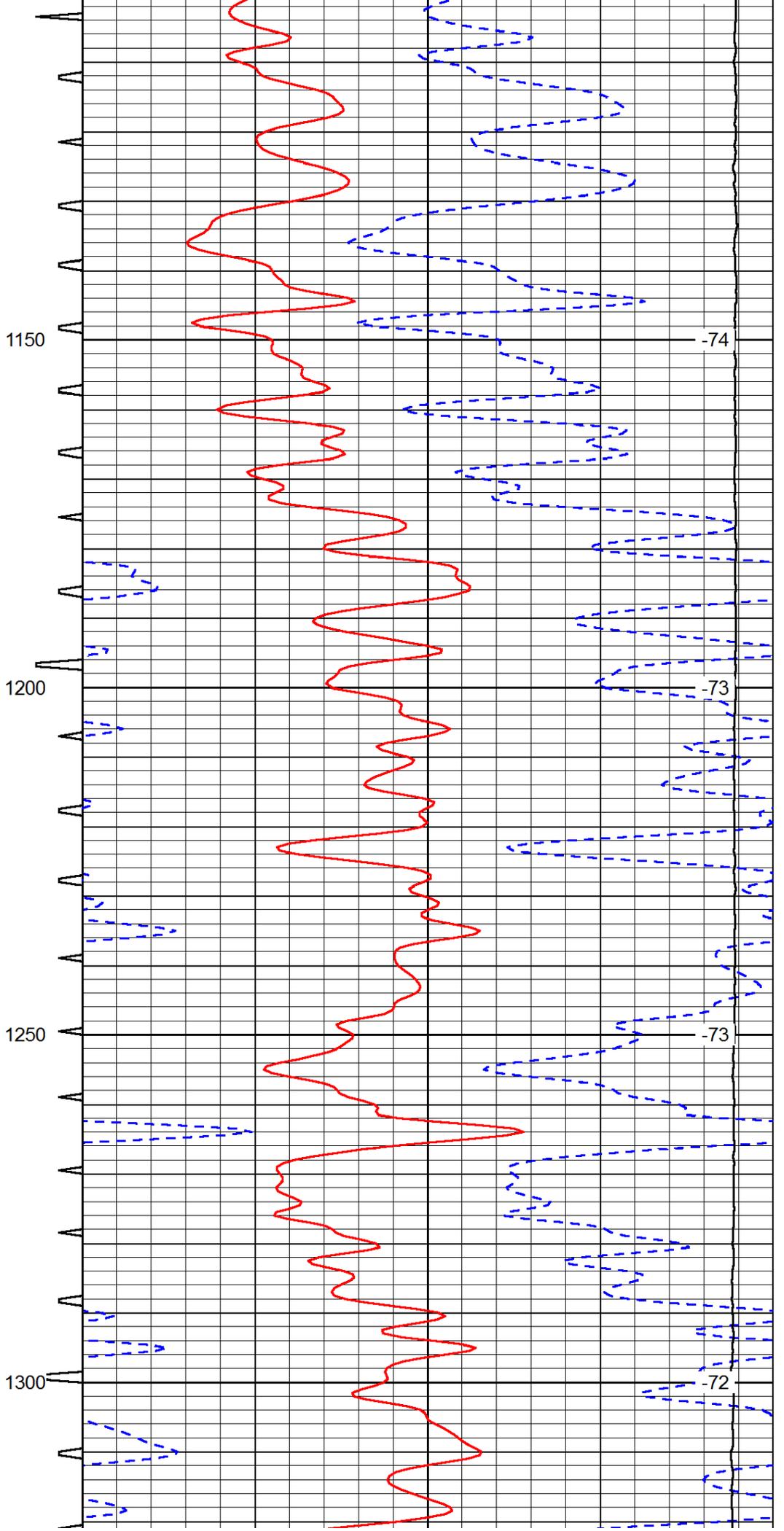
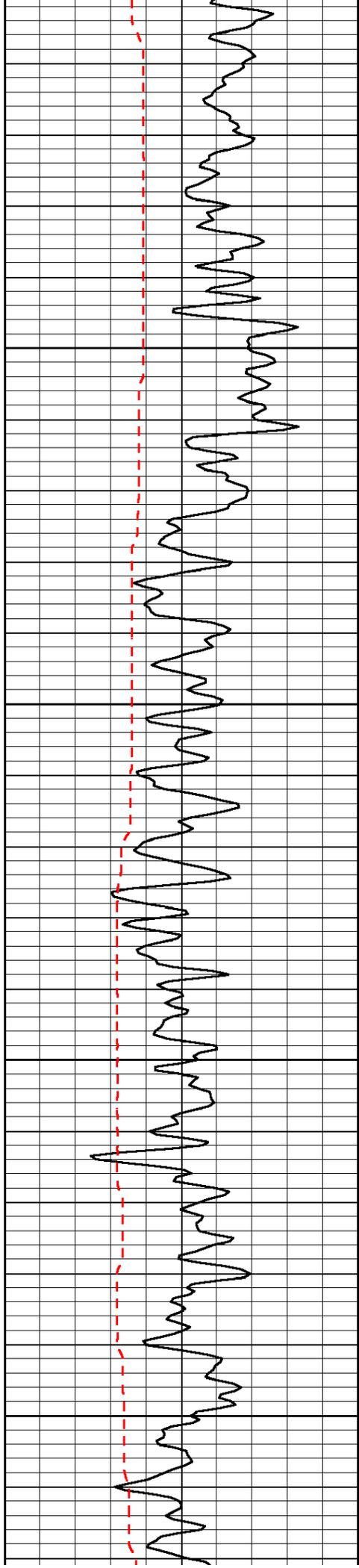
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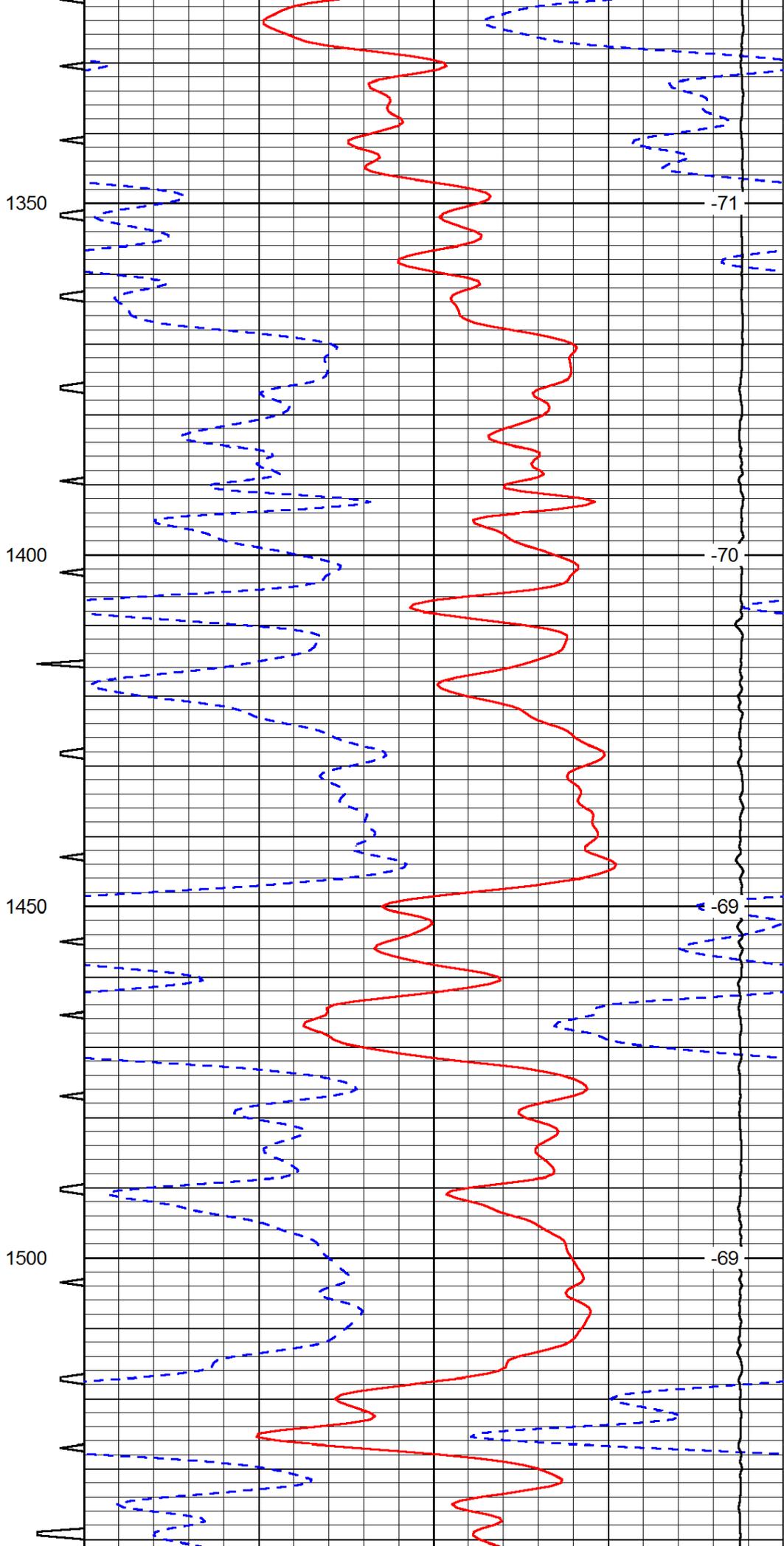
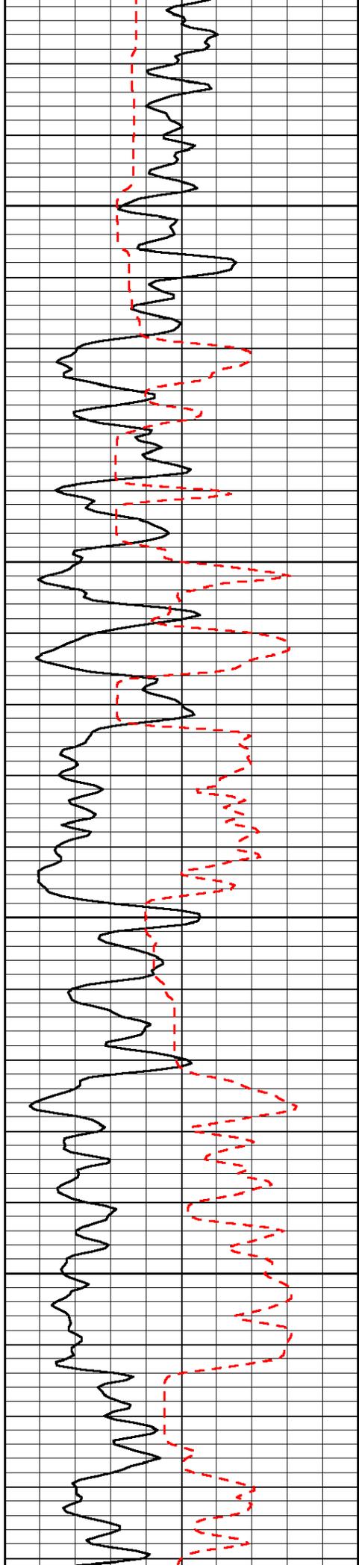


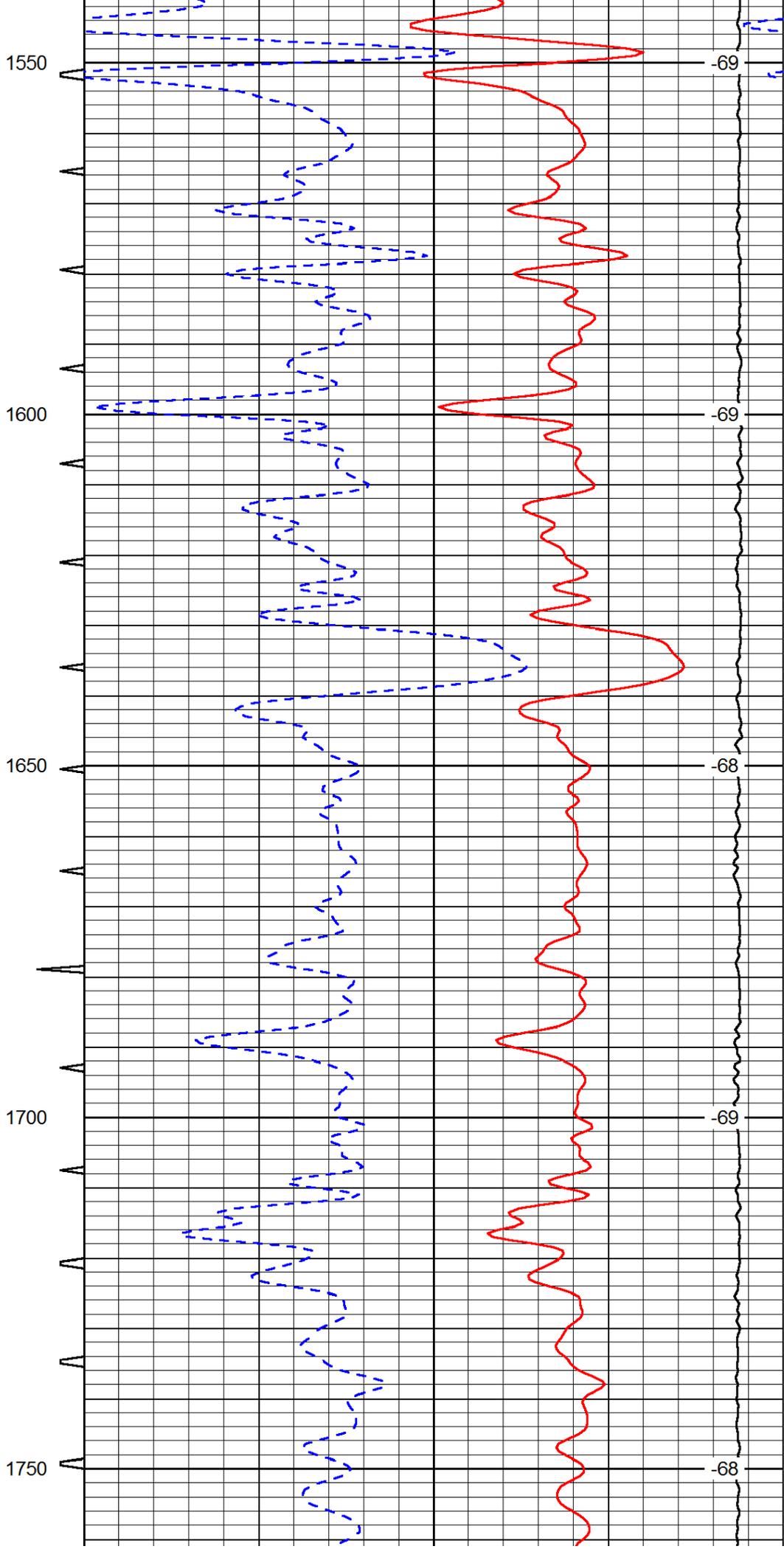
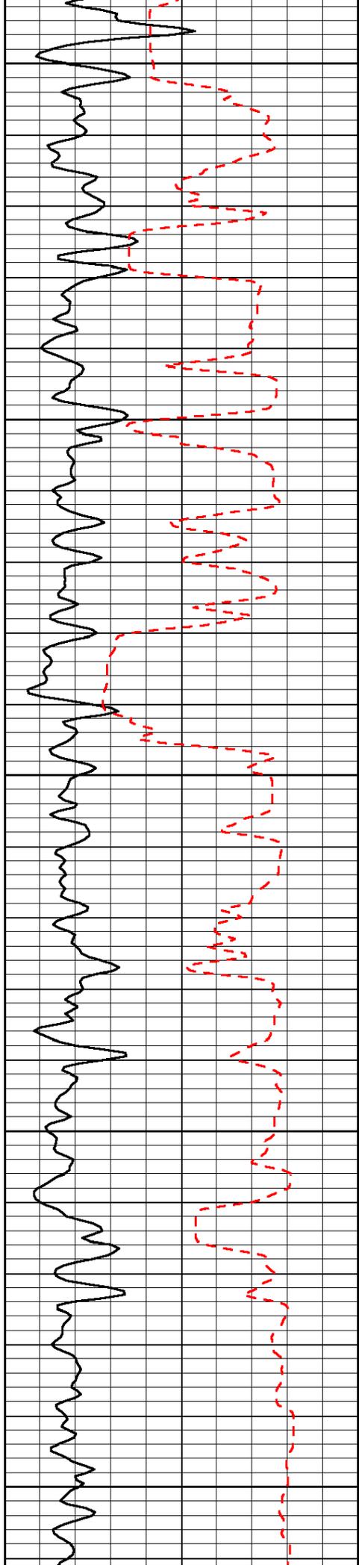


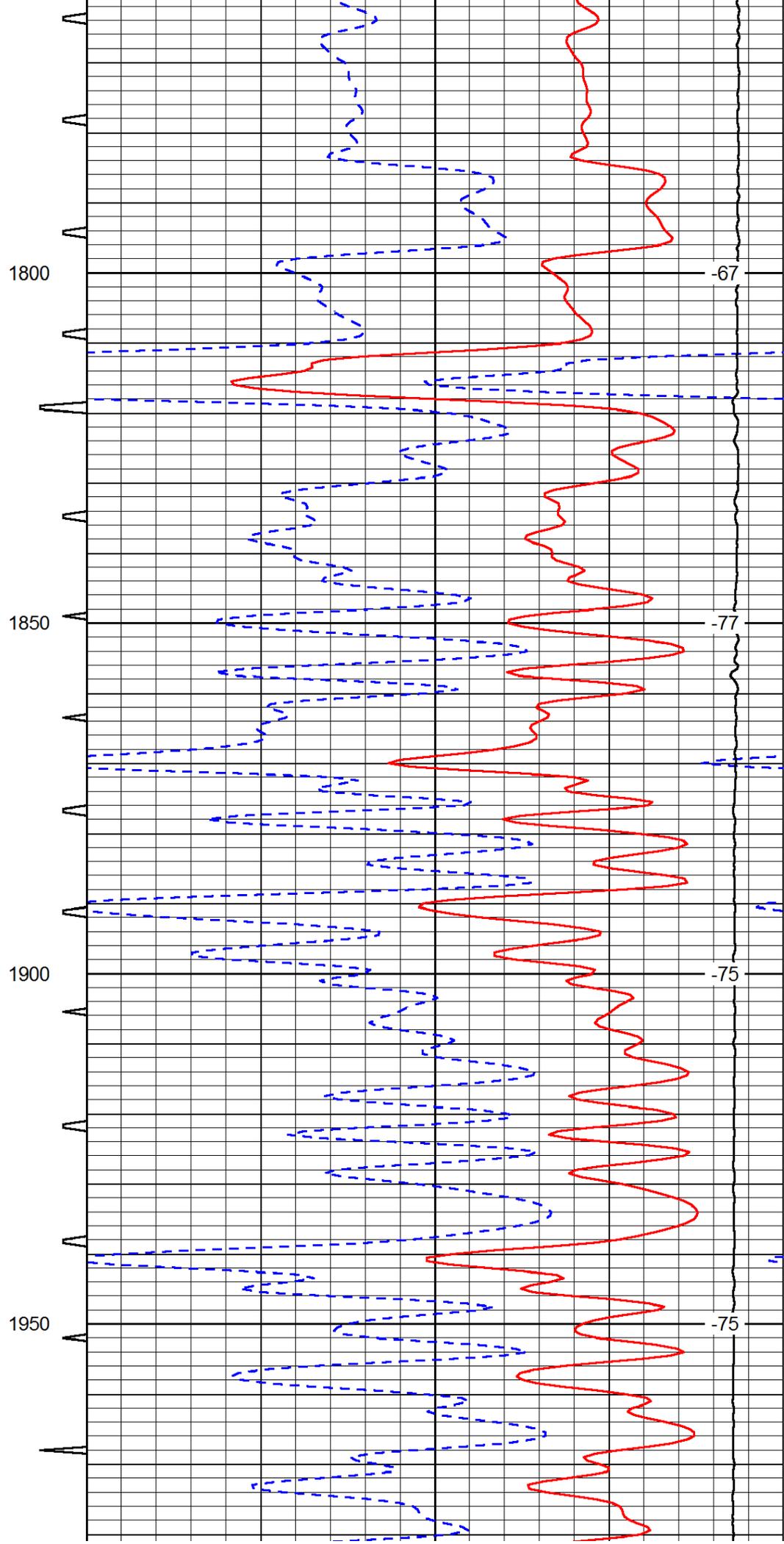
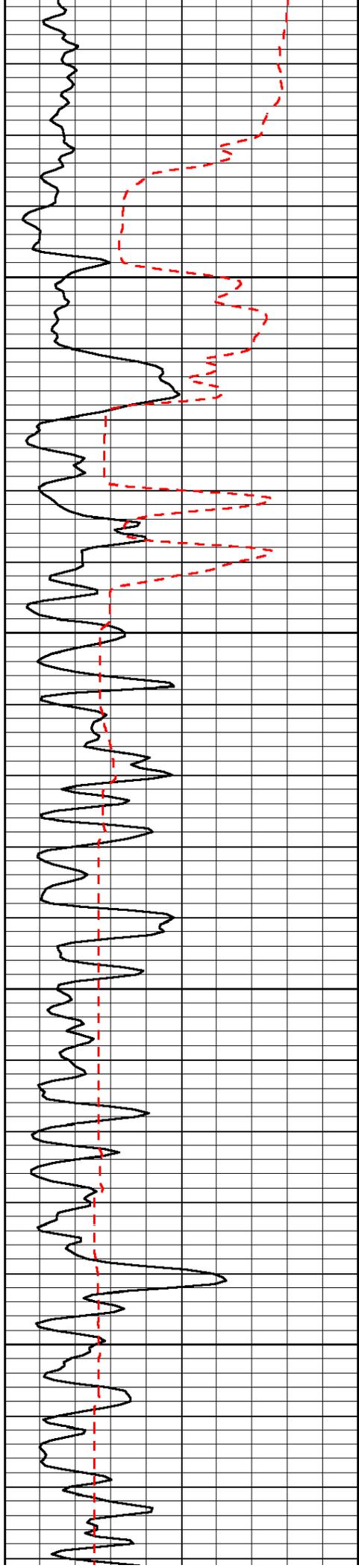


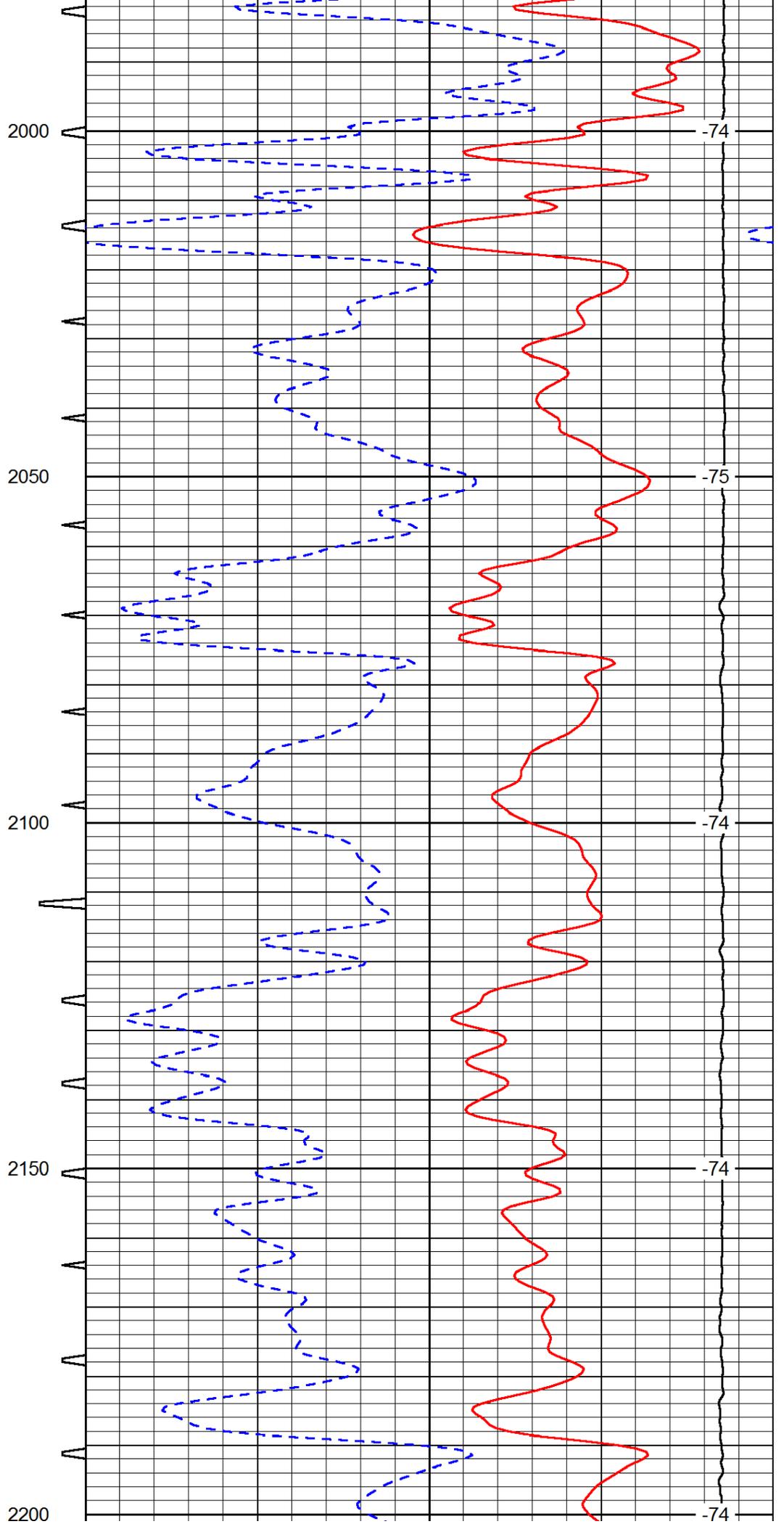
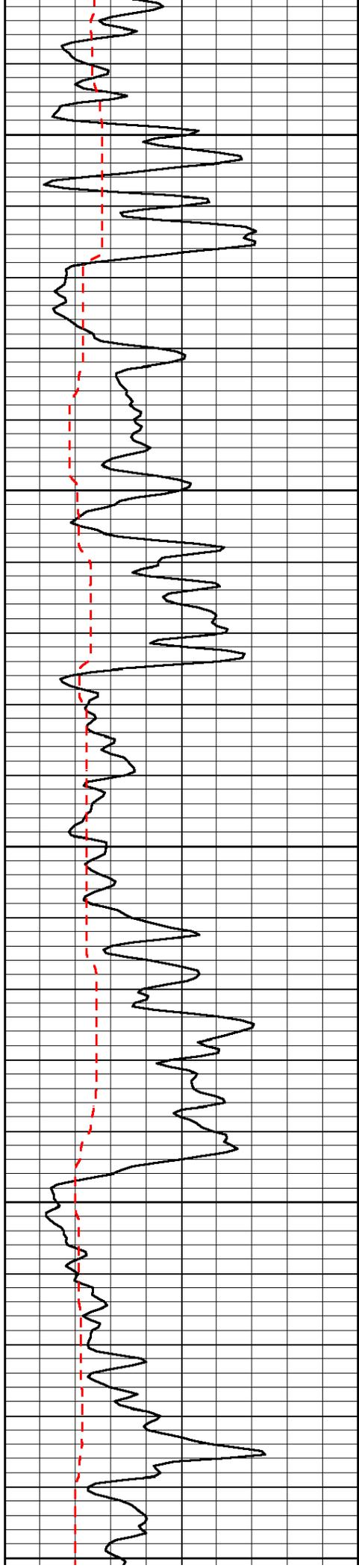


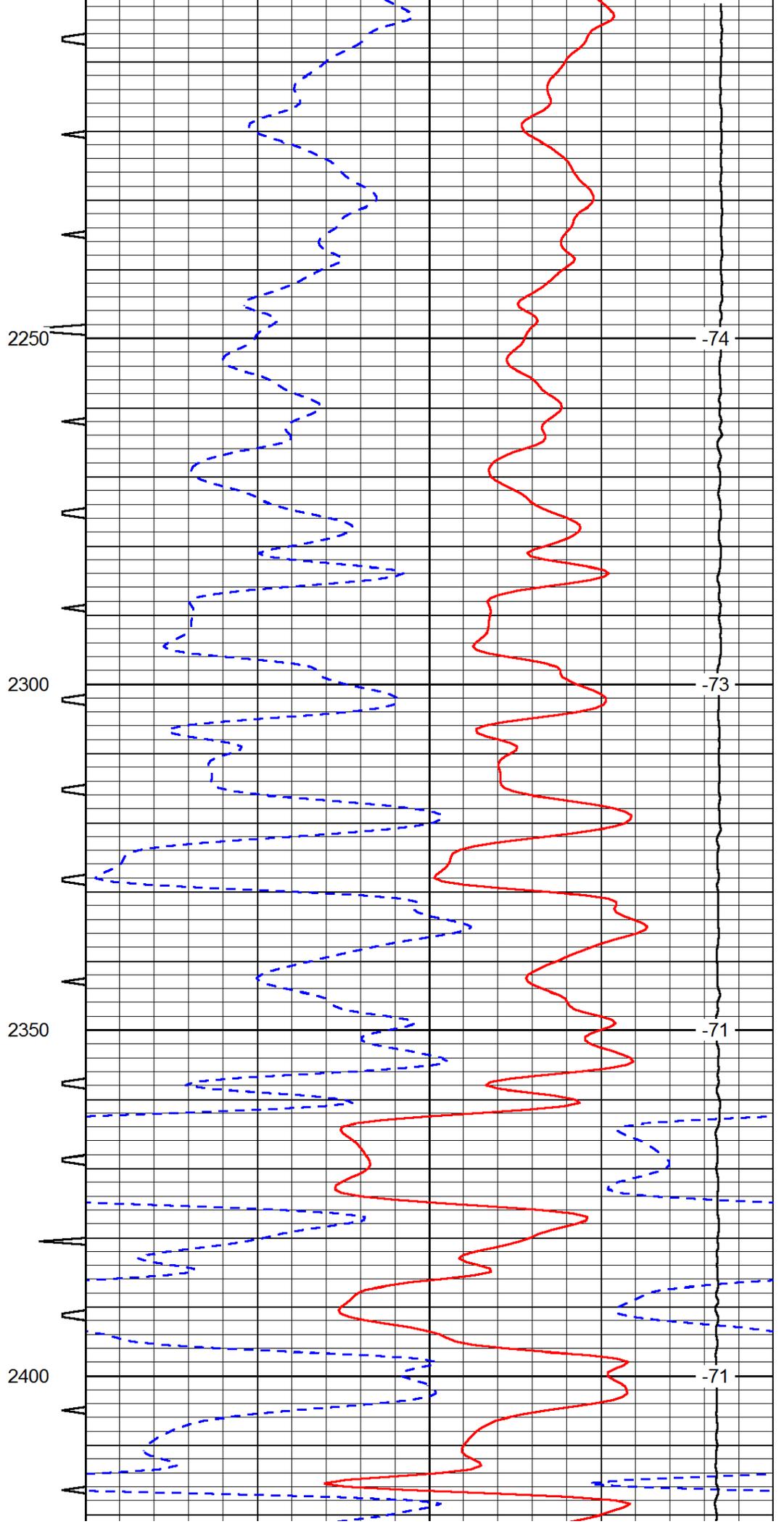
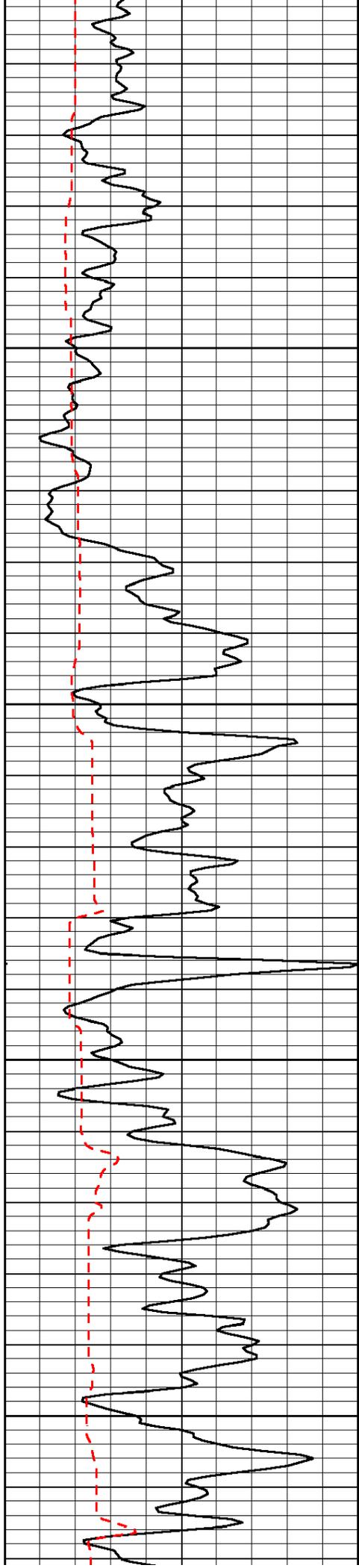


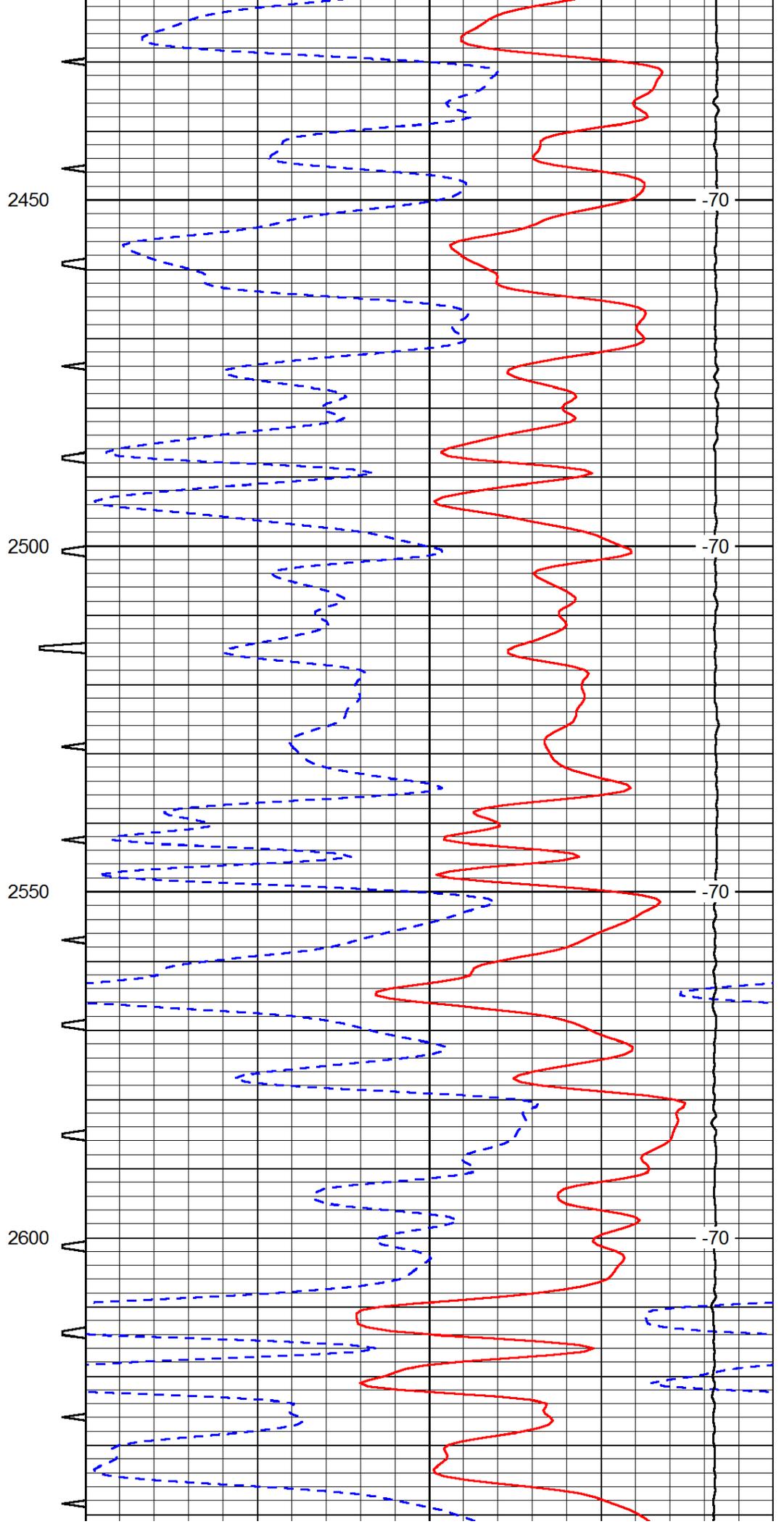
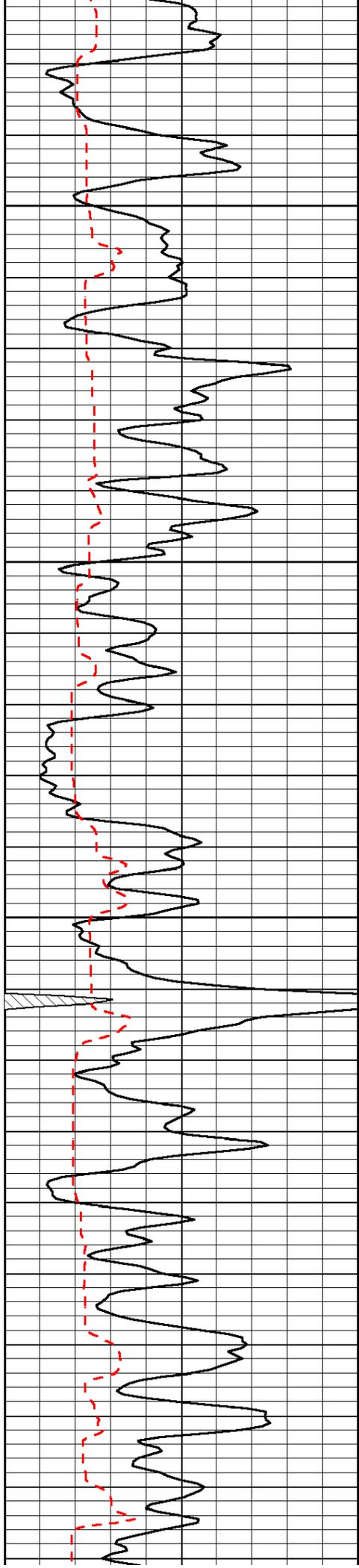


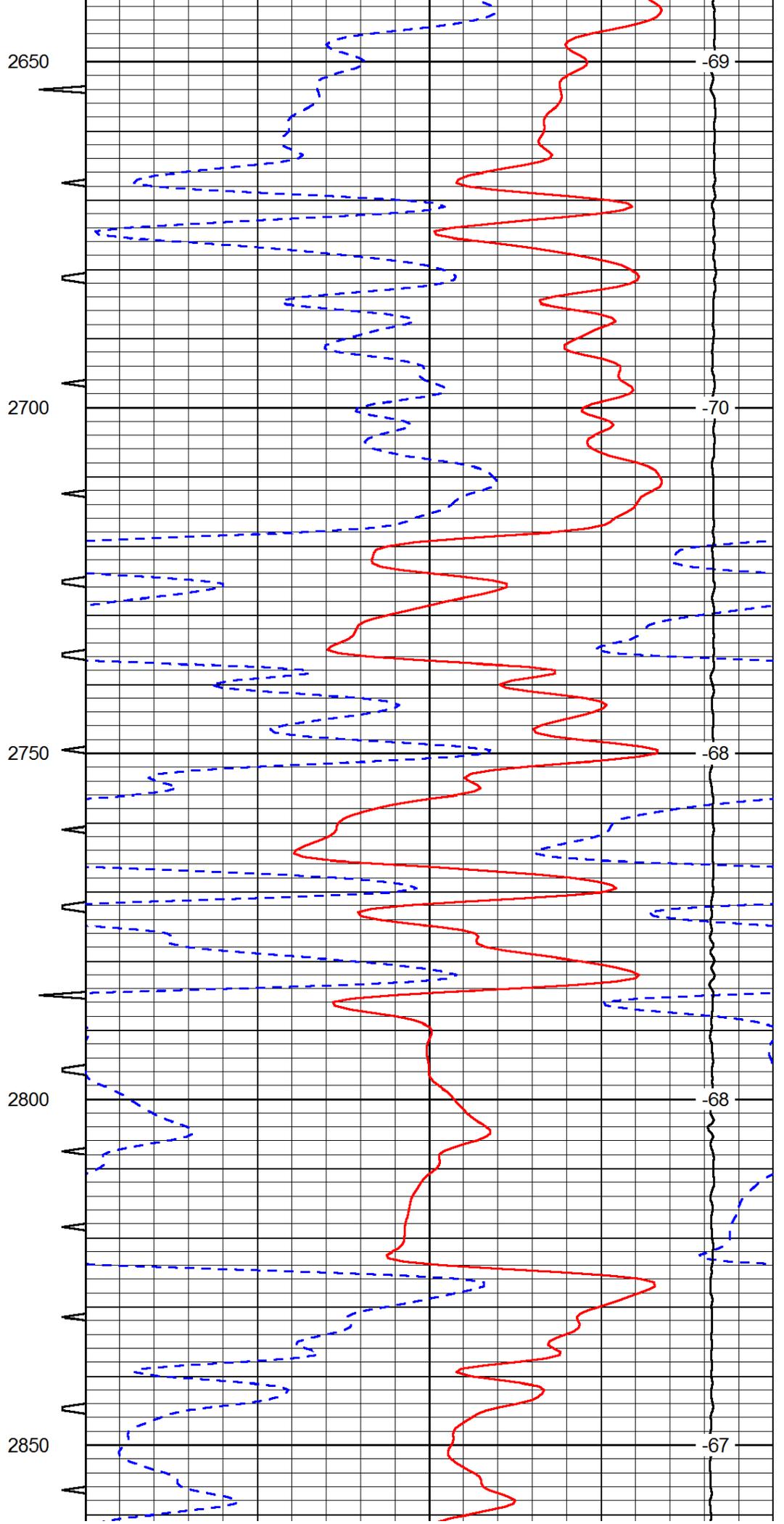
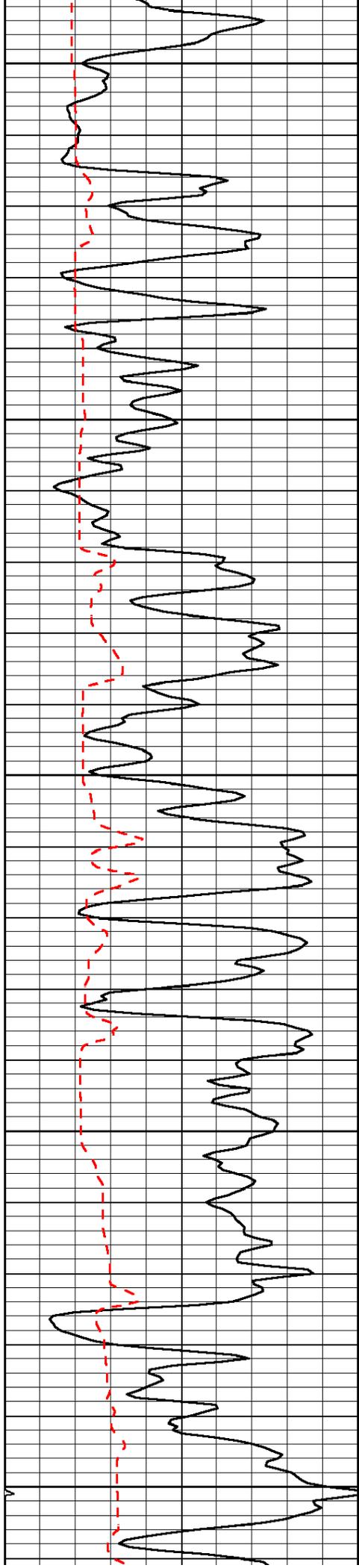


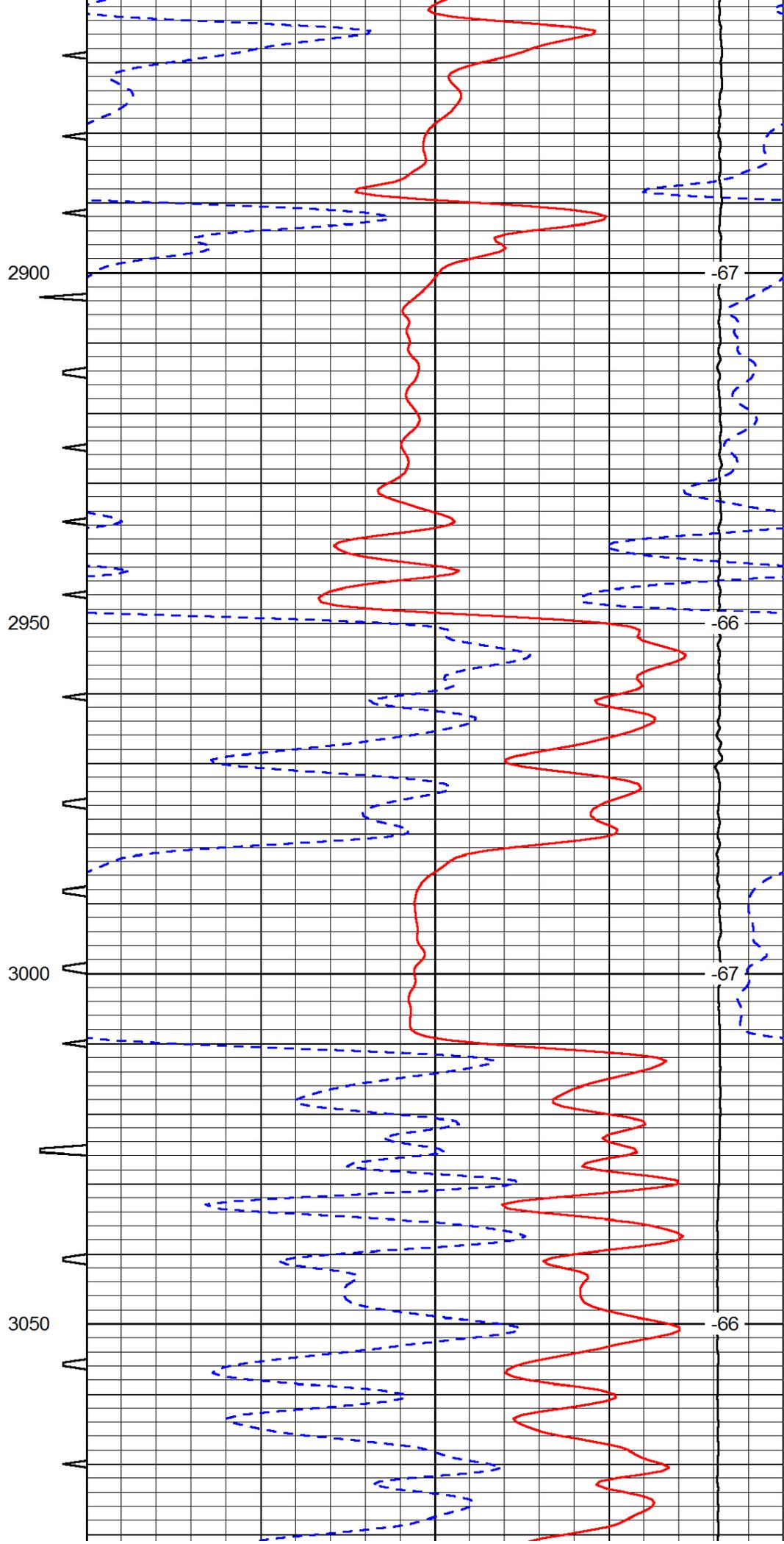
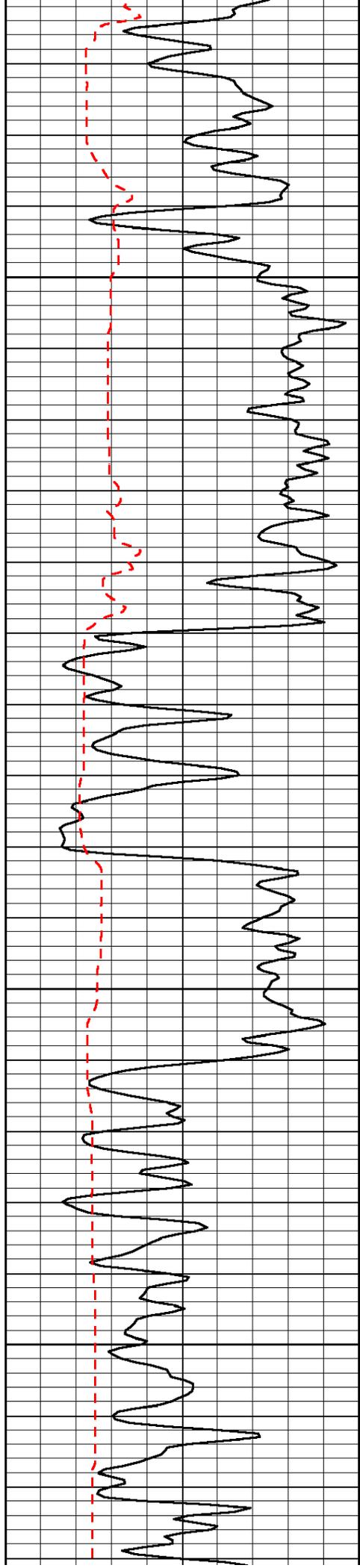


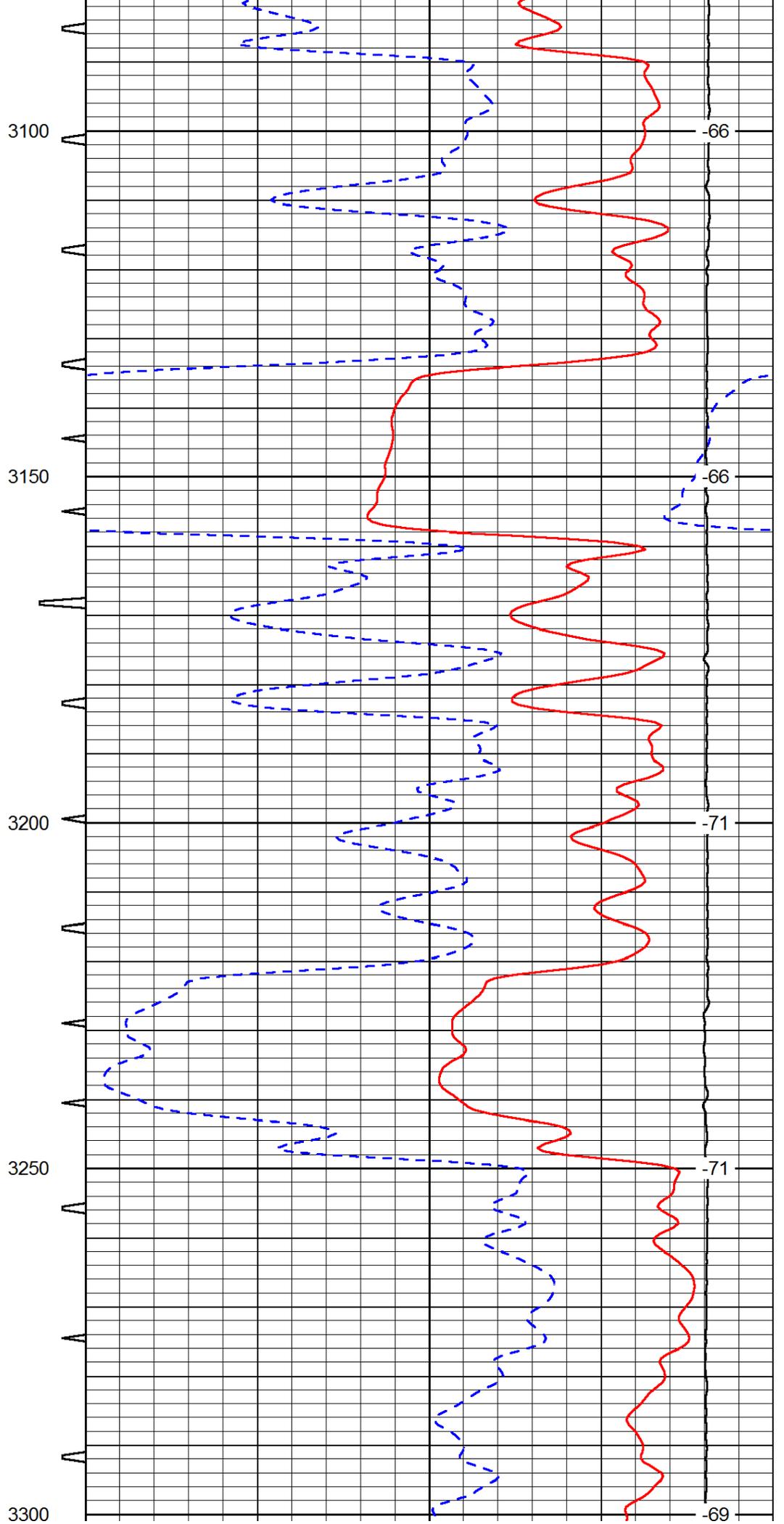
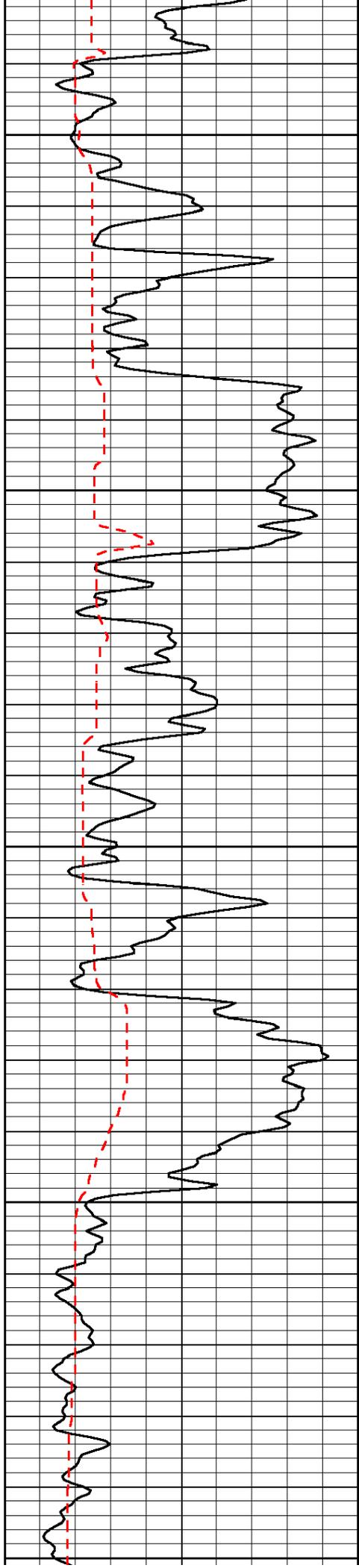


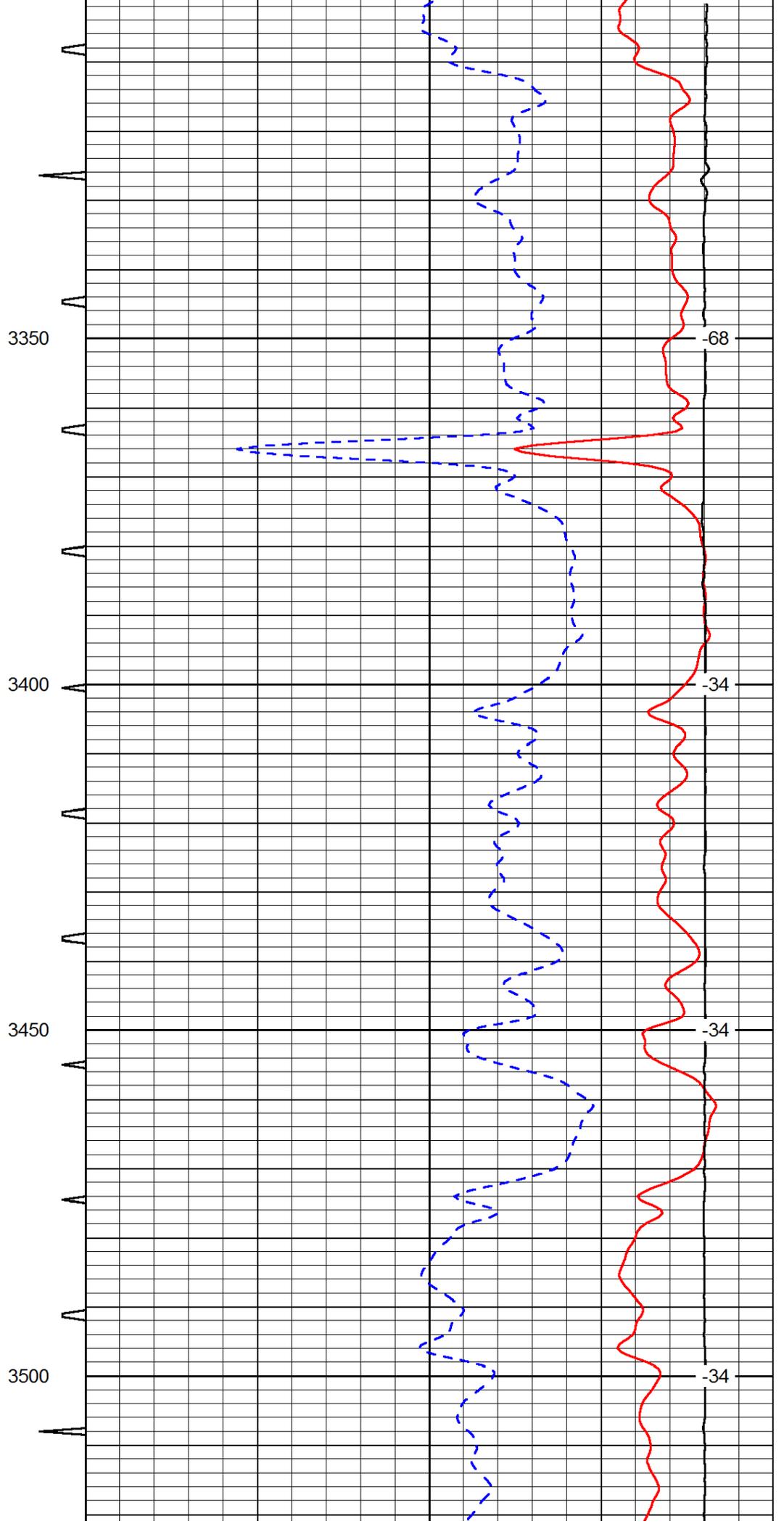
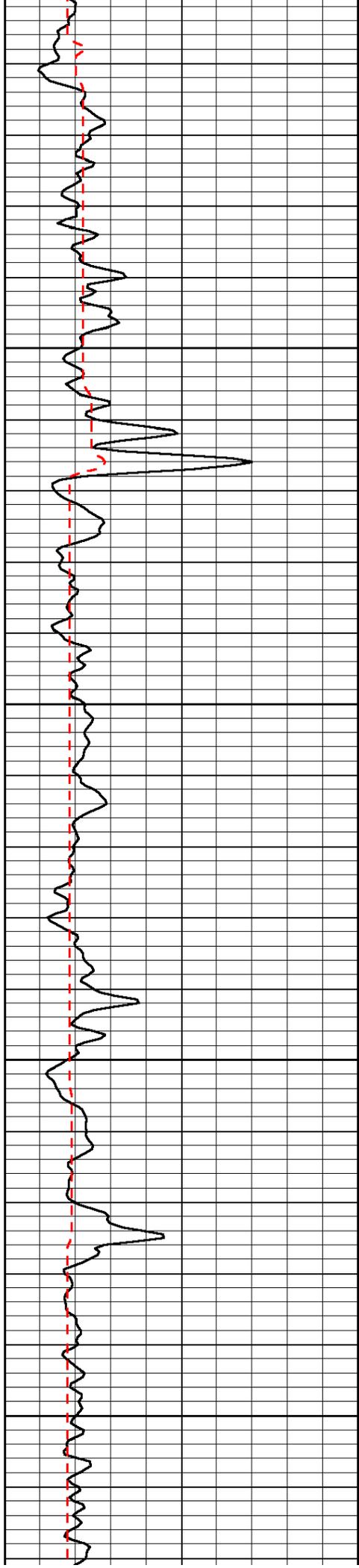


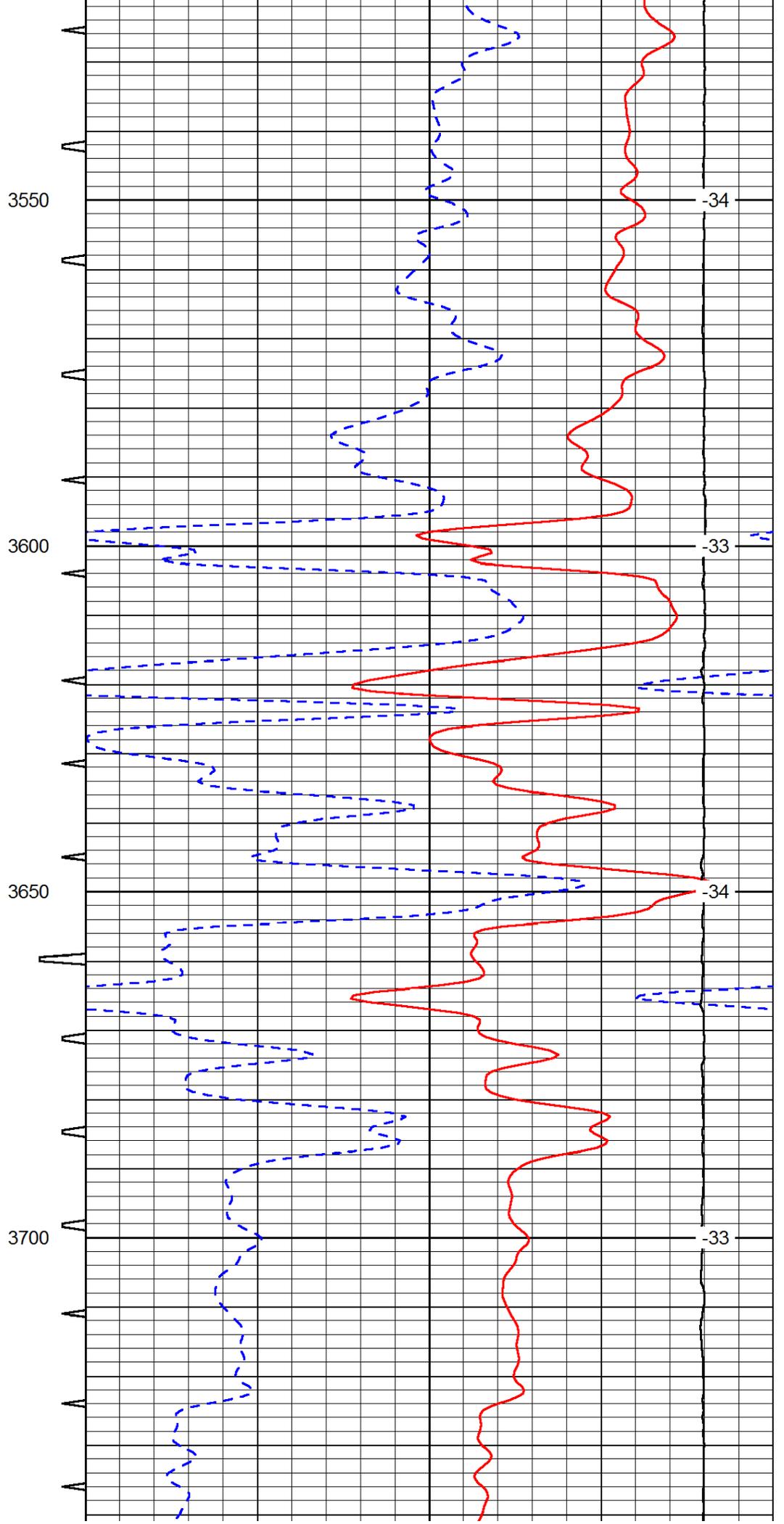
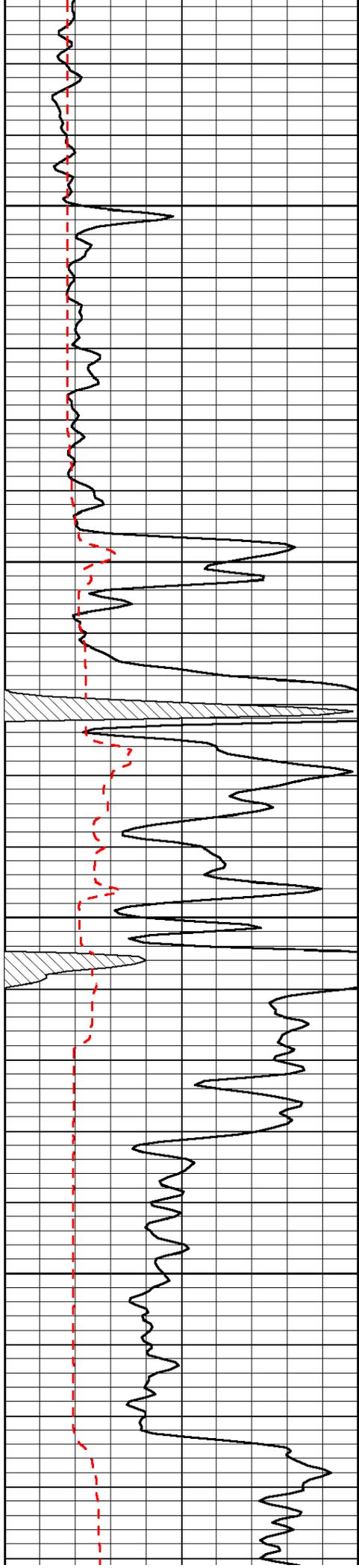


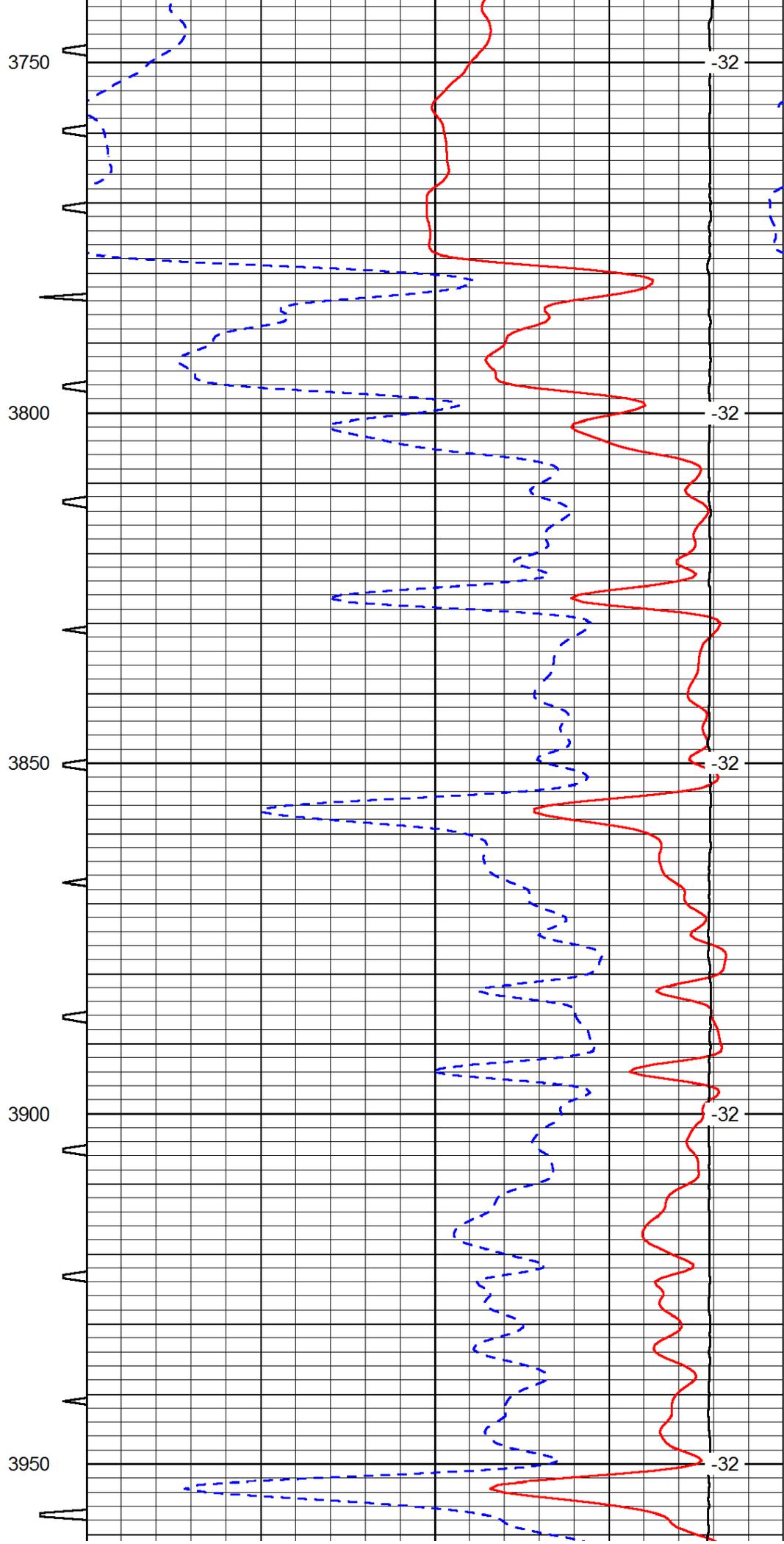
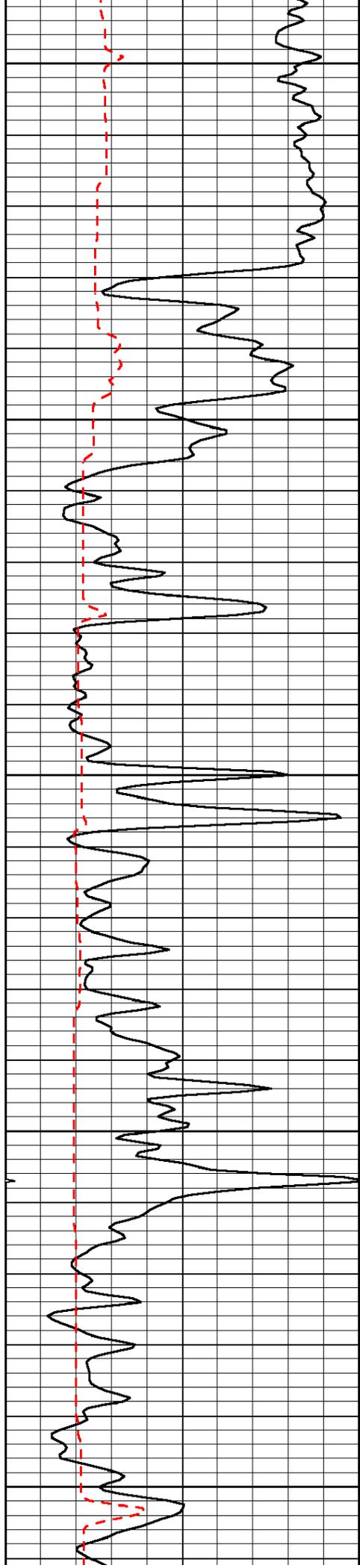


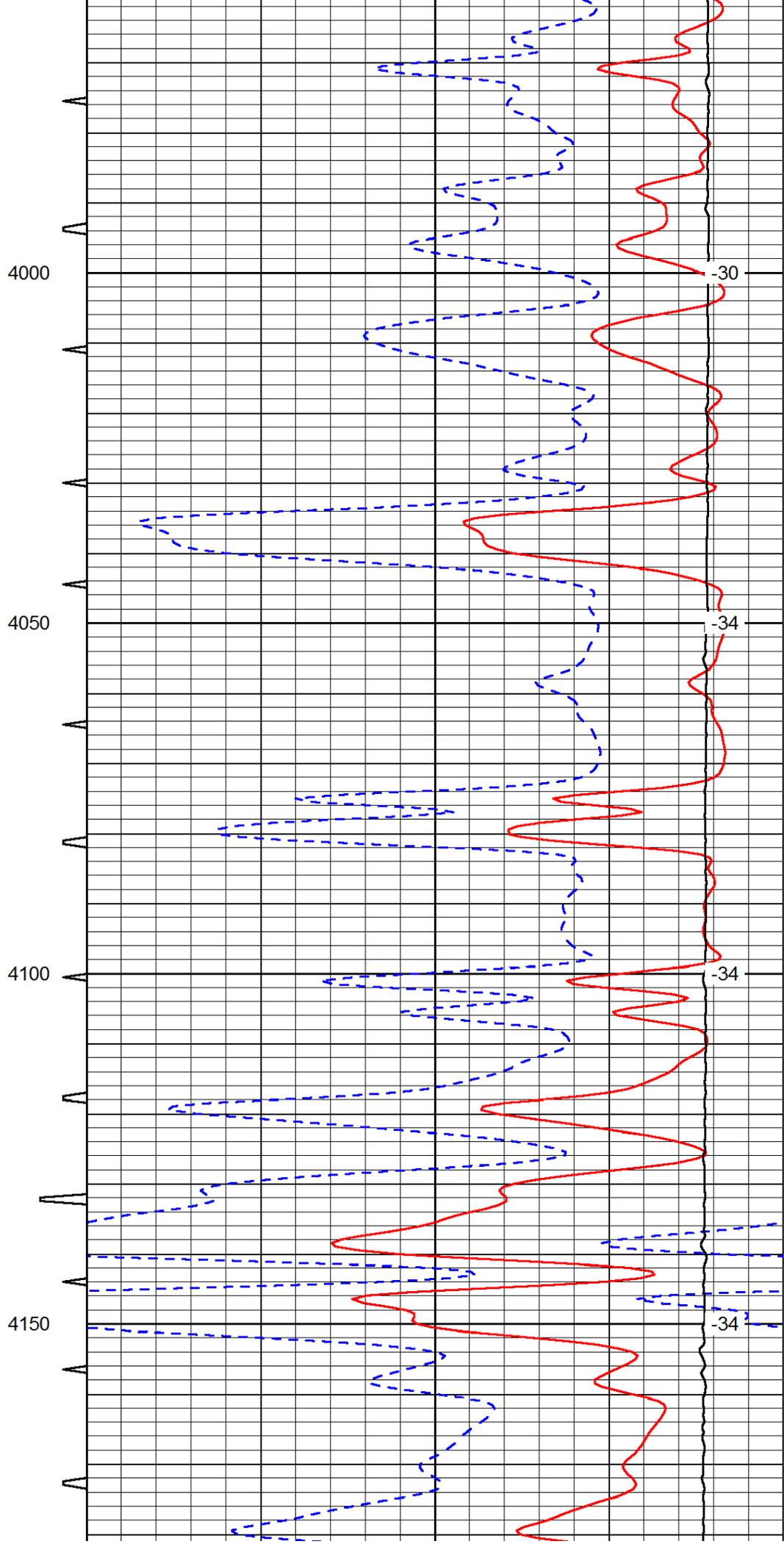
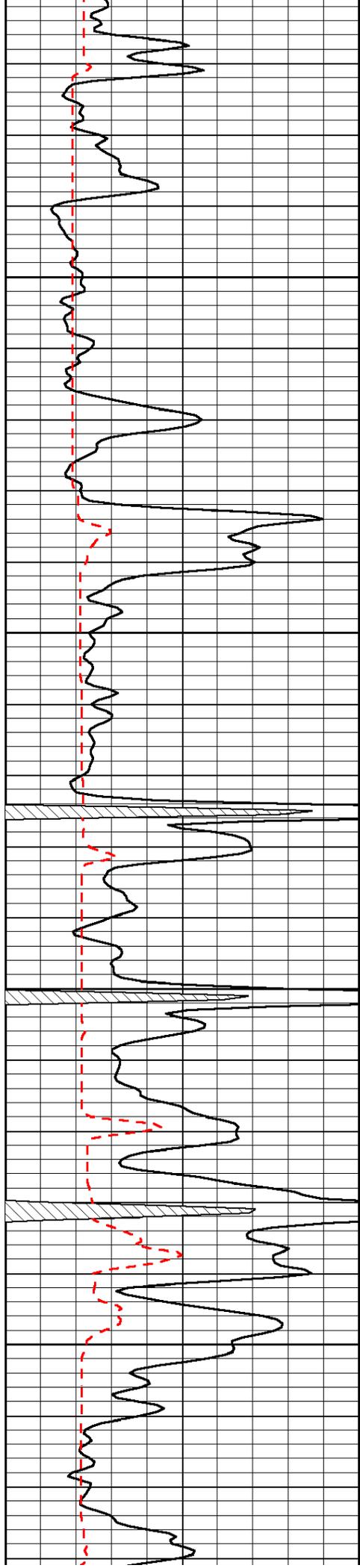


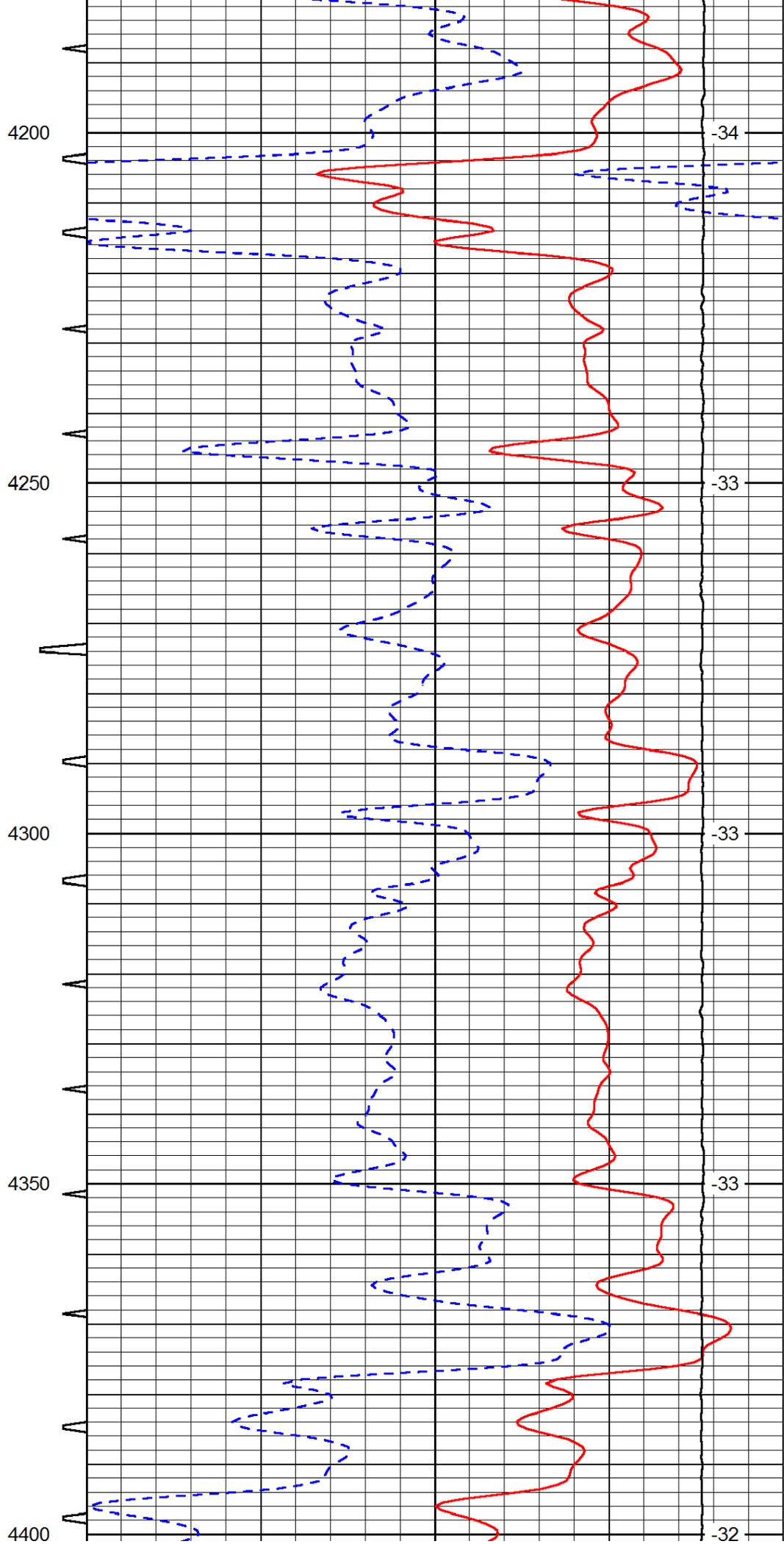
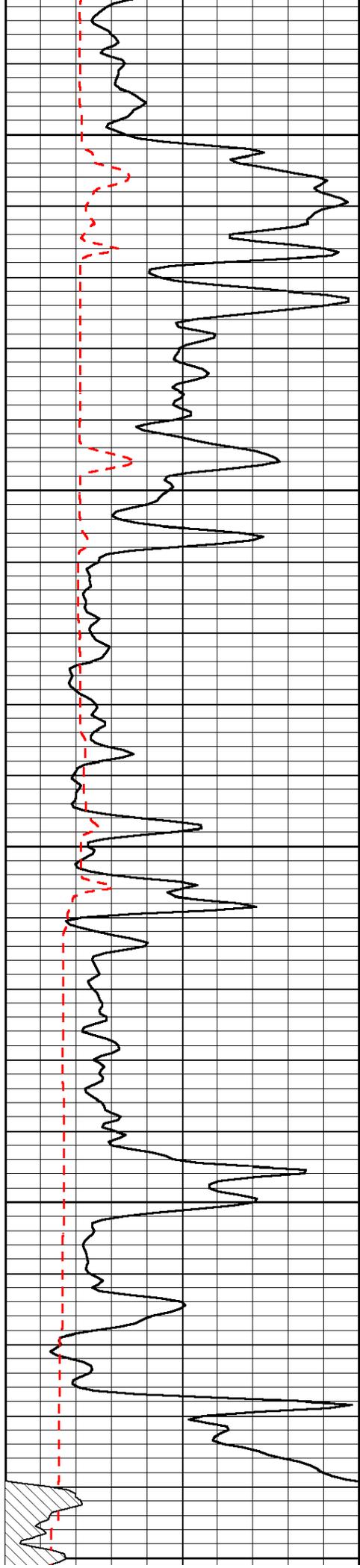


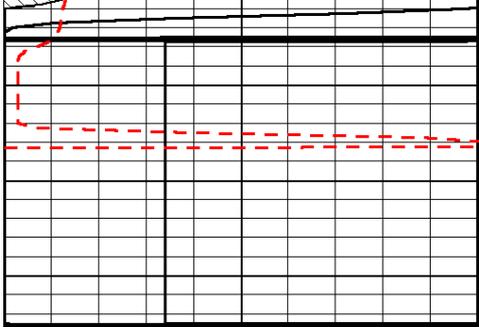












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