



**Borehole Compensated  
Sonic Log**

**DIGITAL LOG (785) 625-3858**

API No. 15-179-21,227-00-00	Company <b>Murfin Drilling Co., Inc.</b>	Location <b>800' FNL &amp; 1200' FWL</b>	Other Services CNL/CDL MEL/DIL
	Well <b>Alwhit No. 2-21</b>	Sec: <b>21</b> Twp: <b>9 S</b> Rge: <b>27 W</b>	Elevation K.B. 2746 D.F. 2741 G.L. 2741
	Field <b>Lombardy</b>		
	County <b>Sheridan</b>		
	State <b>Kansas</b>		

Permanent Datum	Ground Level	Elevation 2741
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
Date	4/22/09	
Run Number	Two	
Type Log	BHC Sonic	
Depth Driller	4475	
Depth Logger	4474	
Bottom Logged Interval	4463	
Top Logged Interval	250	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	1,600	
Density	9.1	
Level	Full	
Max. Rec. Temp. F	123	
Operating Rig Time	6 Hours	
Equipment -- Location	4 Hays	
Recorded By	K. Bange	
Witnessed By	Brad Rine	

Run No	Bit	Borehole Record		Casing Record	
		From	To	From	To
1	12.25	00	279	8.625	24#
2	7.875	279	4475		

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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.

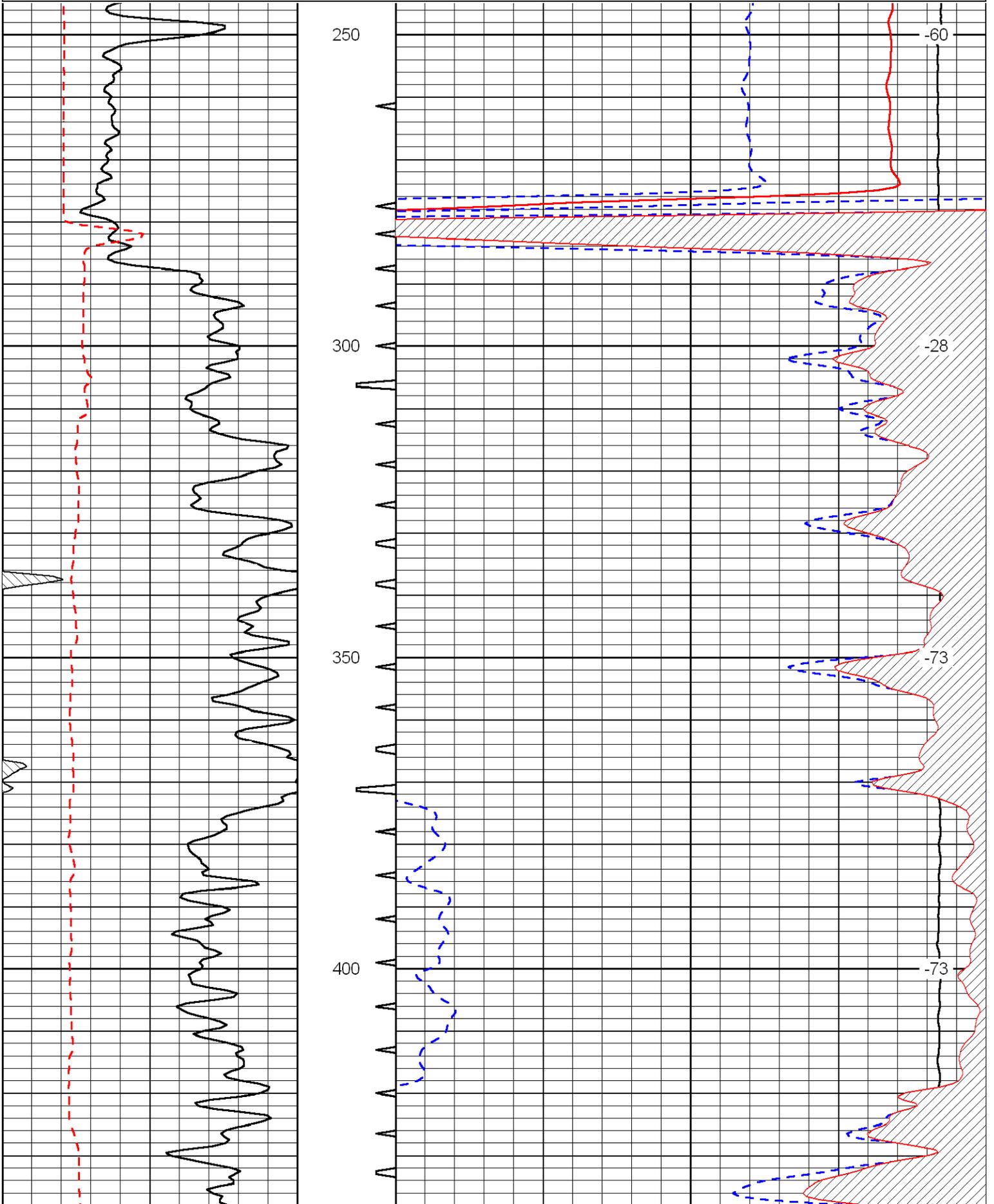
**Comments**

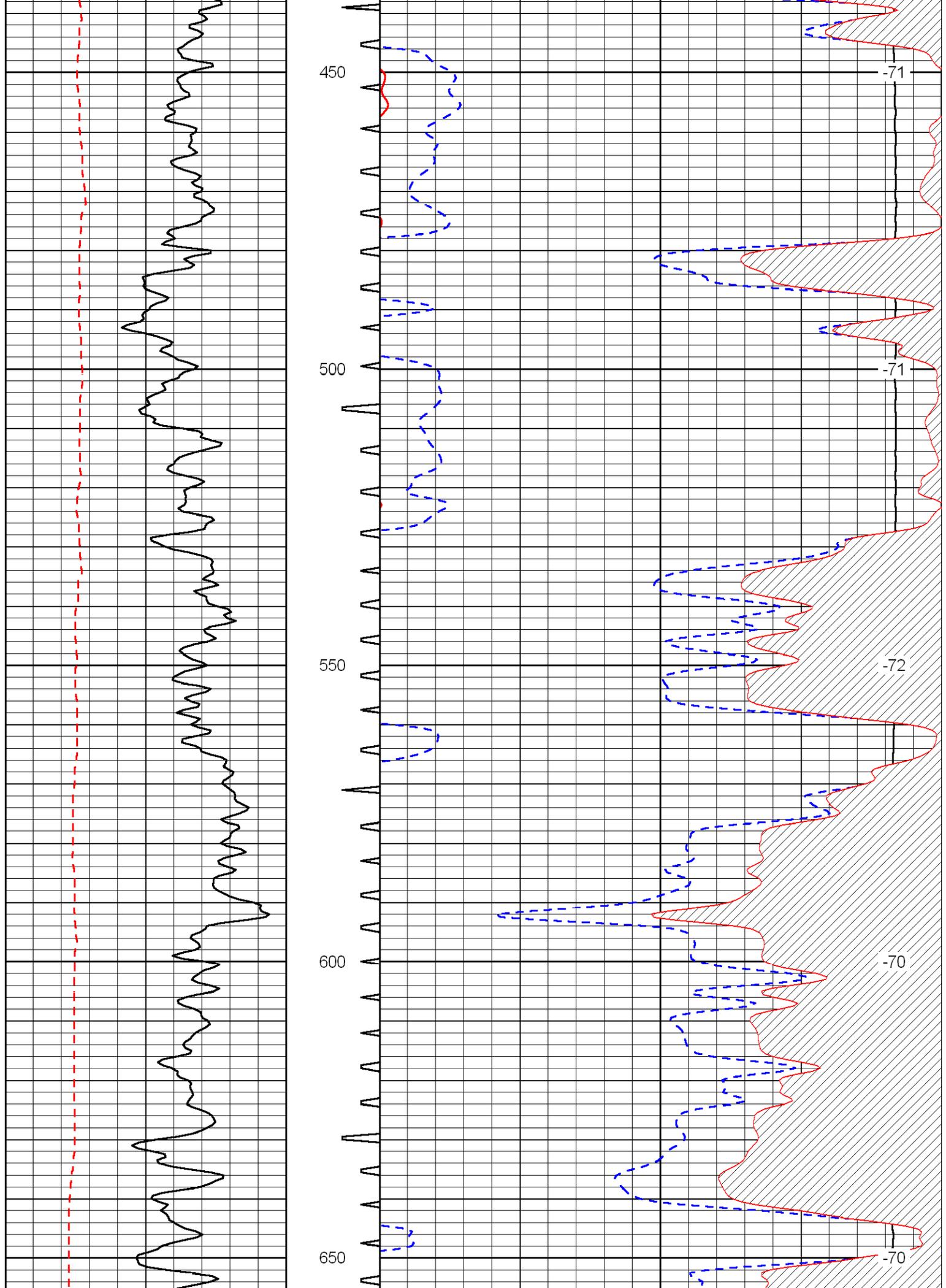
Thank you for using Log-Tech, Inc.  
(785) 625-3858

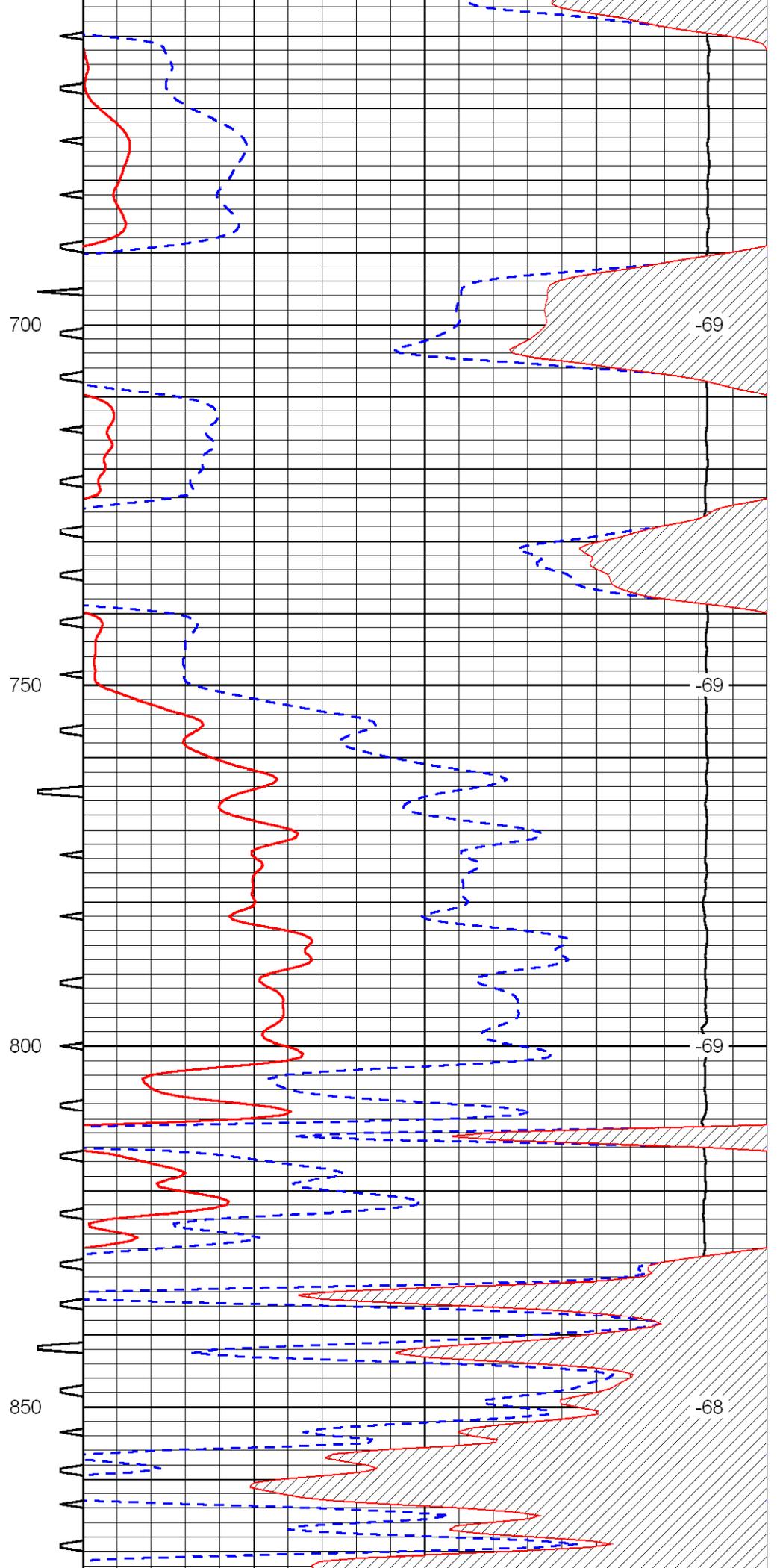
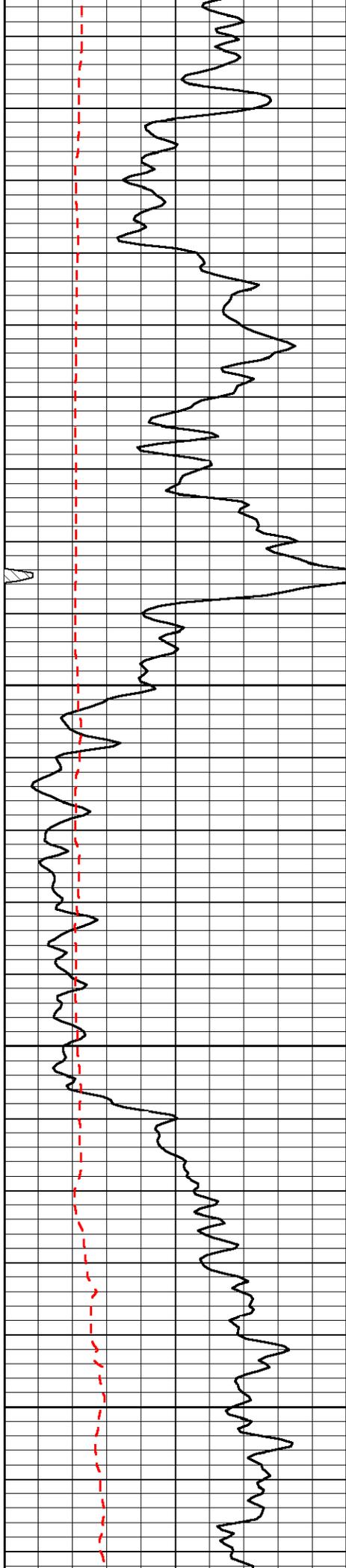
E Grainfield exit on I-70, 11 N to rd 70 S, 5 1/2 E, S into

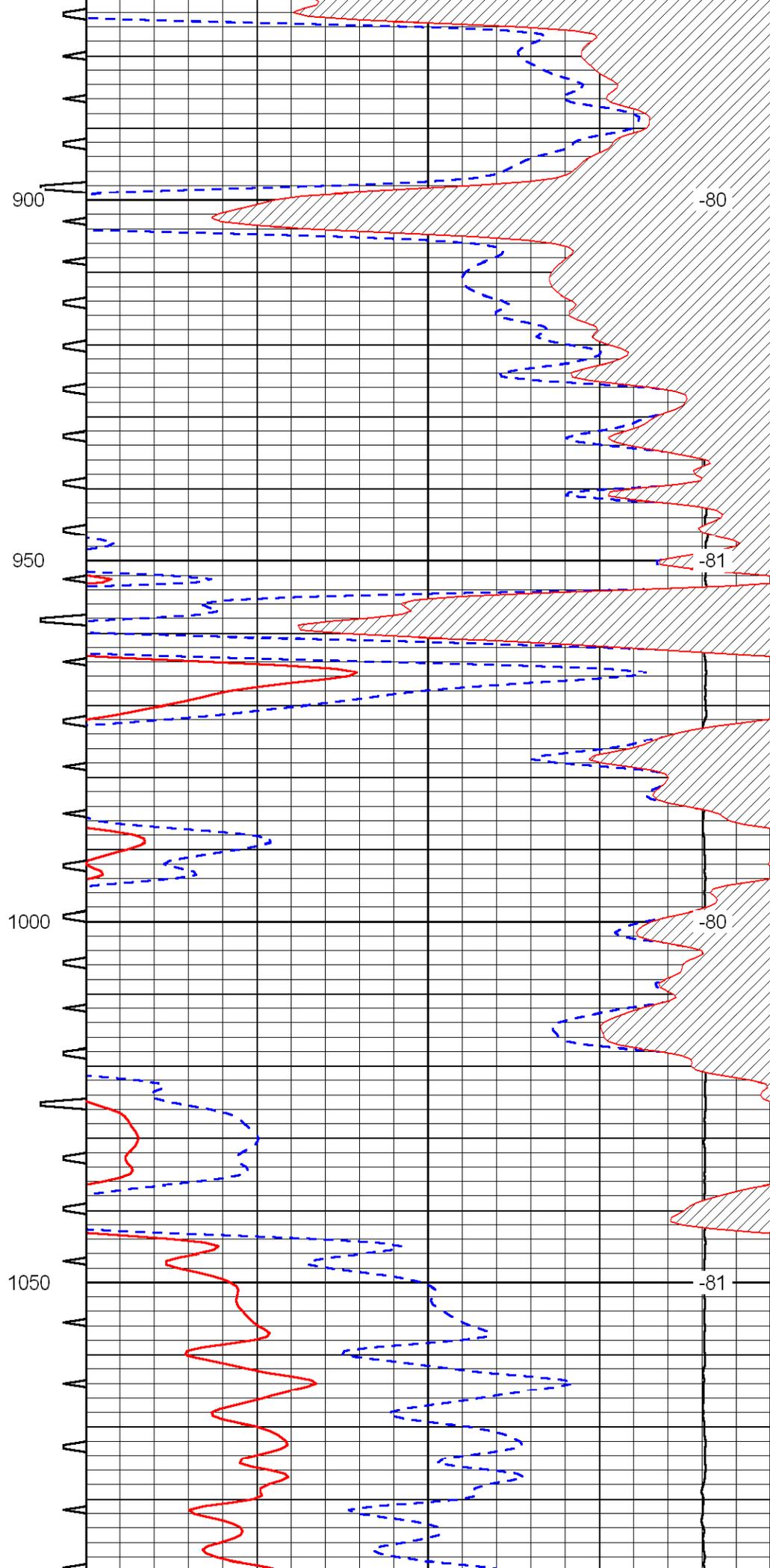
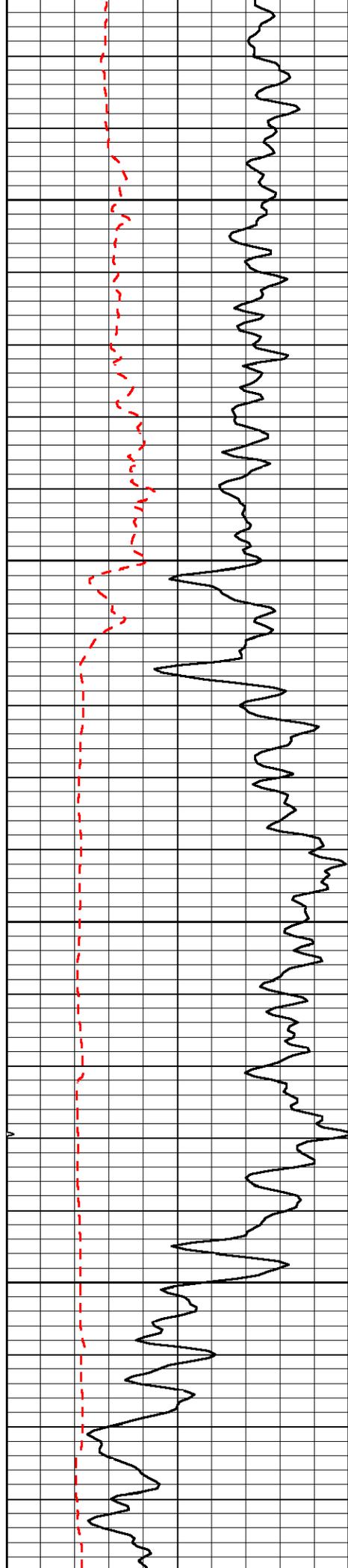
Database File: c:\warrior\data\murfin\_alwhit no. 2-21\murfhd.db  
 Dataset Pathname: dil\murf2in  
 Presentation Format: sonic  
 Dataset Creation: Wed Apr 22 15:16:56 2009  
 Charted by: Depth in Feet scaled 1:240

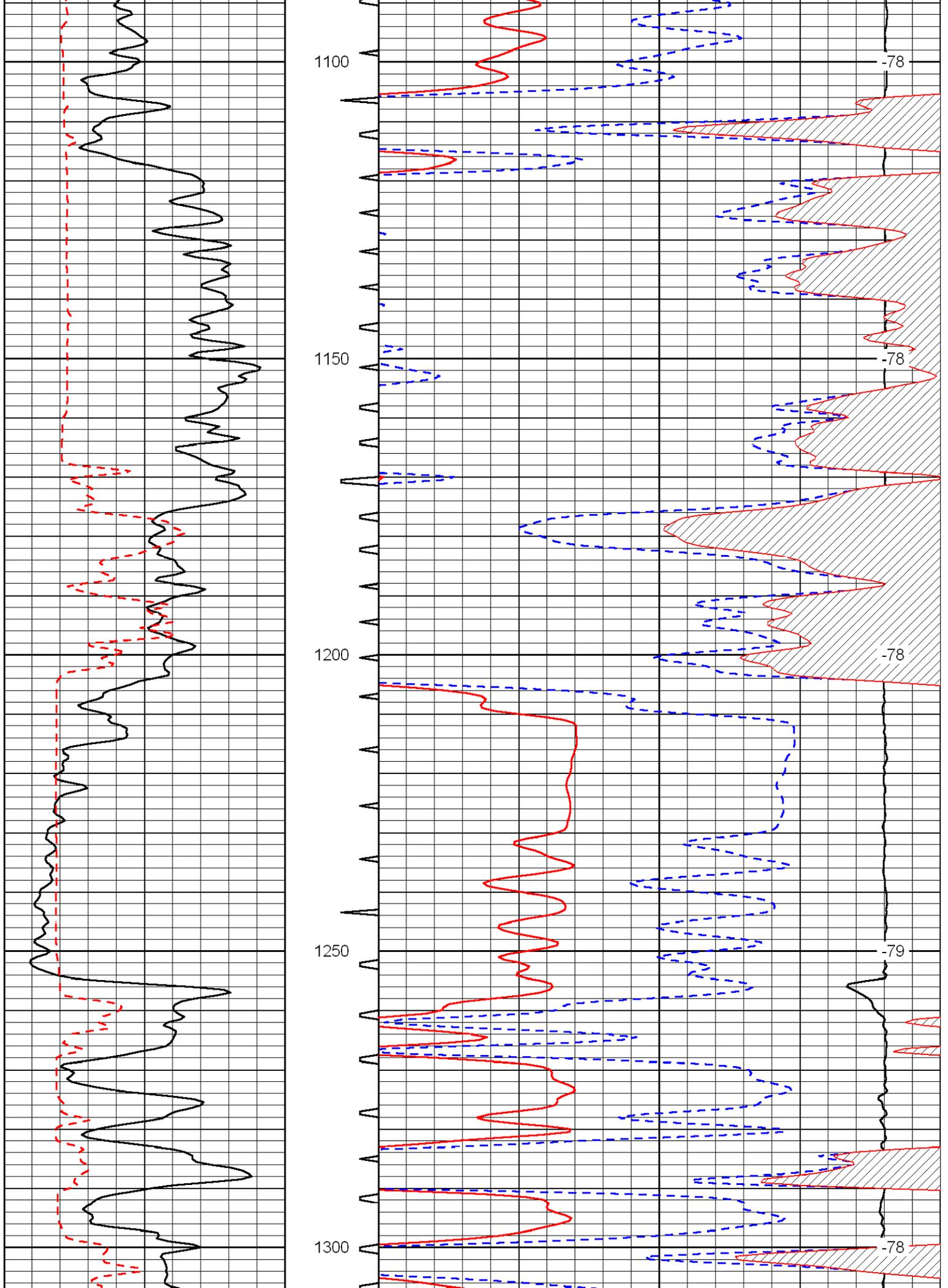
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	Gamma Ray	300	5 (msec)	0	SPOR (pu)	-10
6	Caliper (in)	16		10000	LTEN (lb) (lb)	0
						LSPD (ft/min)

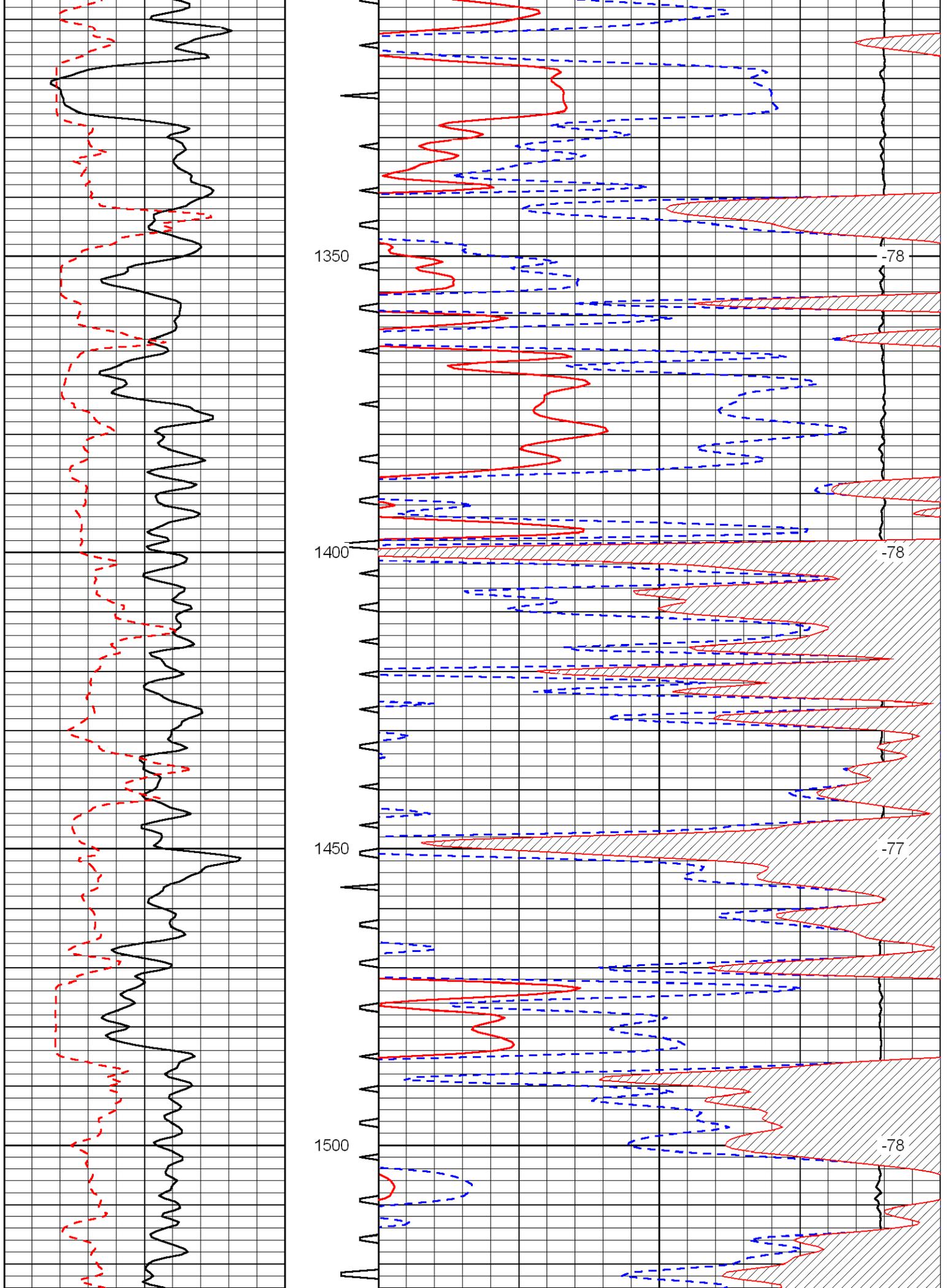


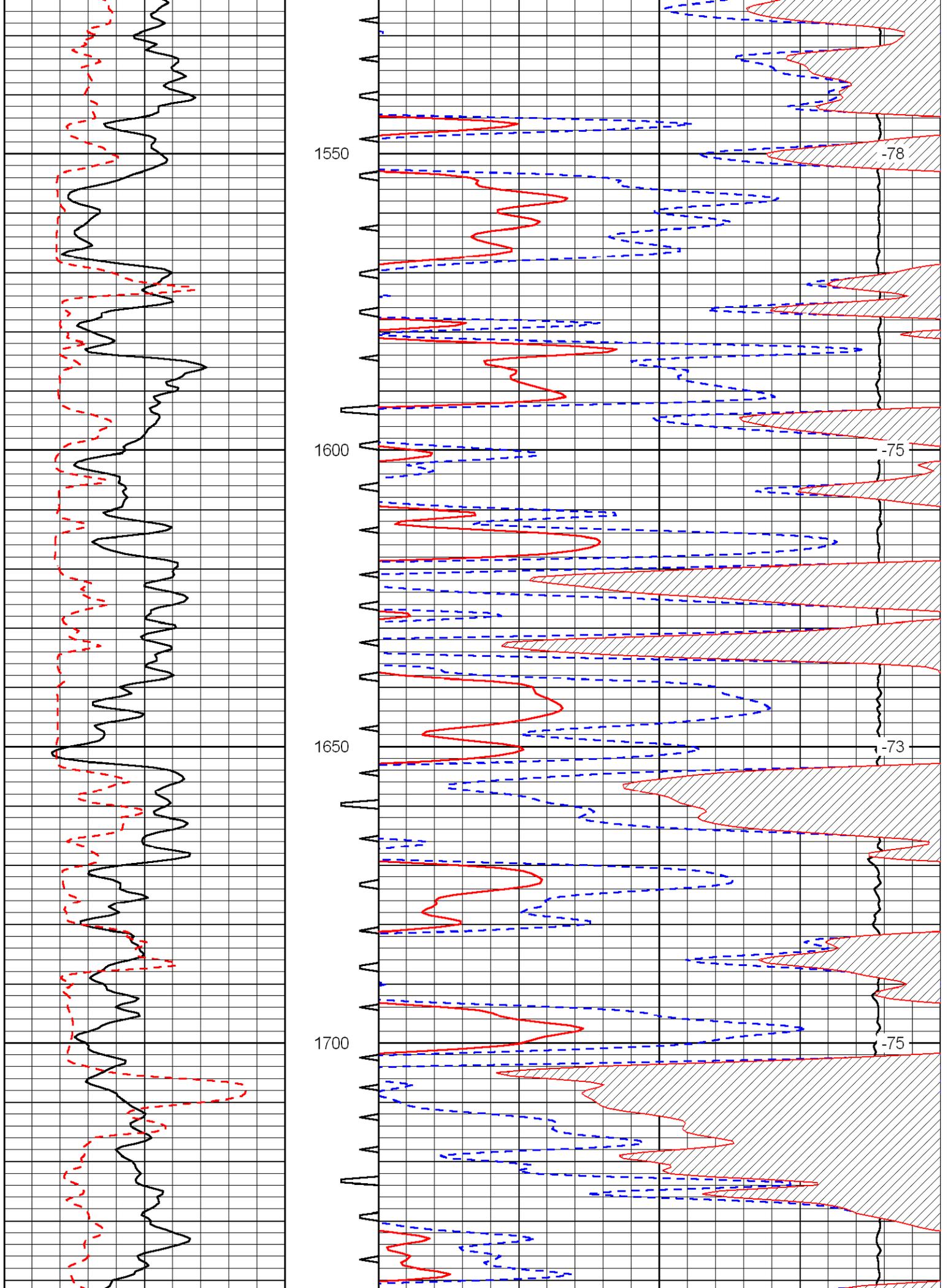


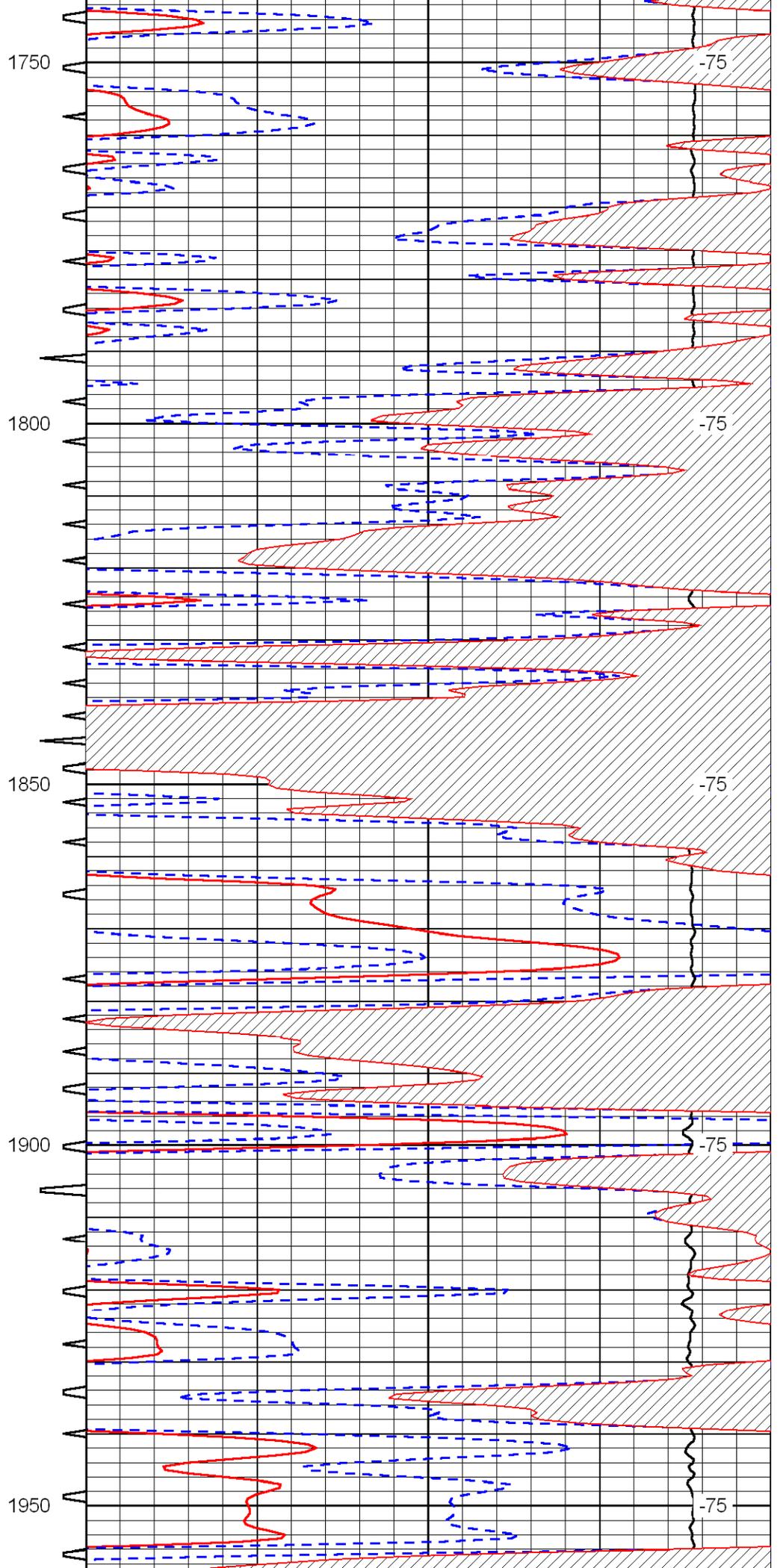
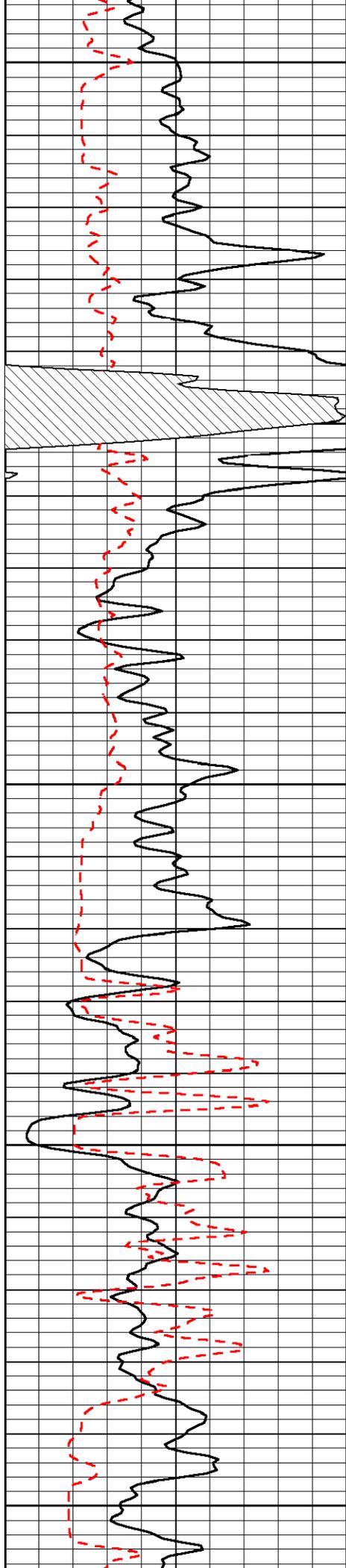


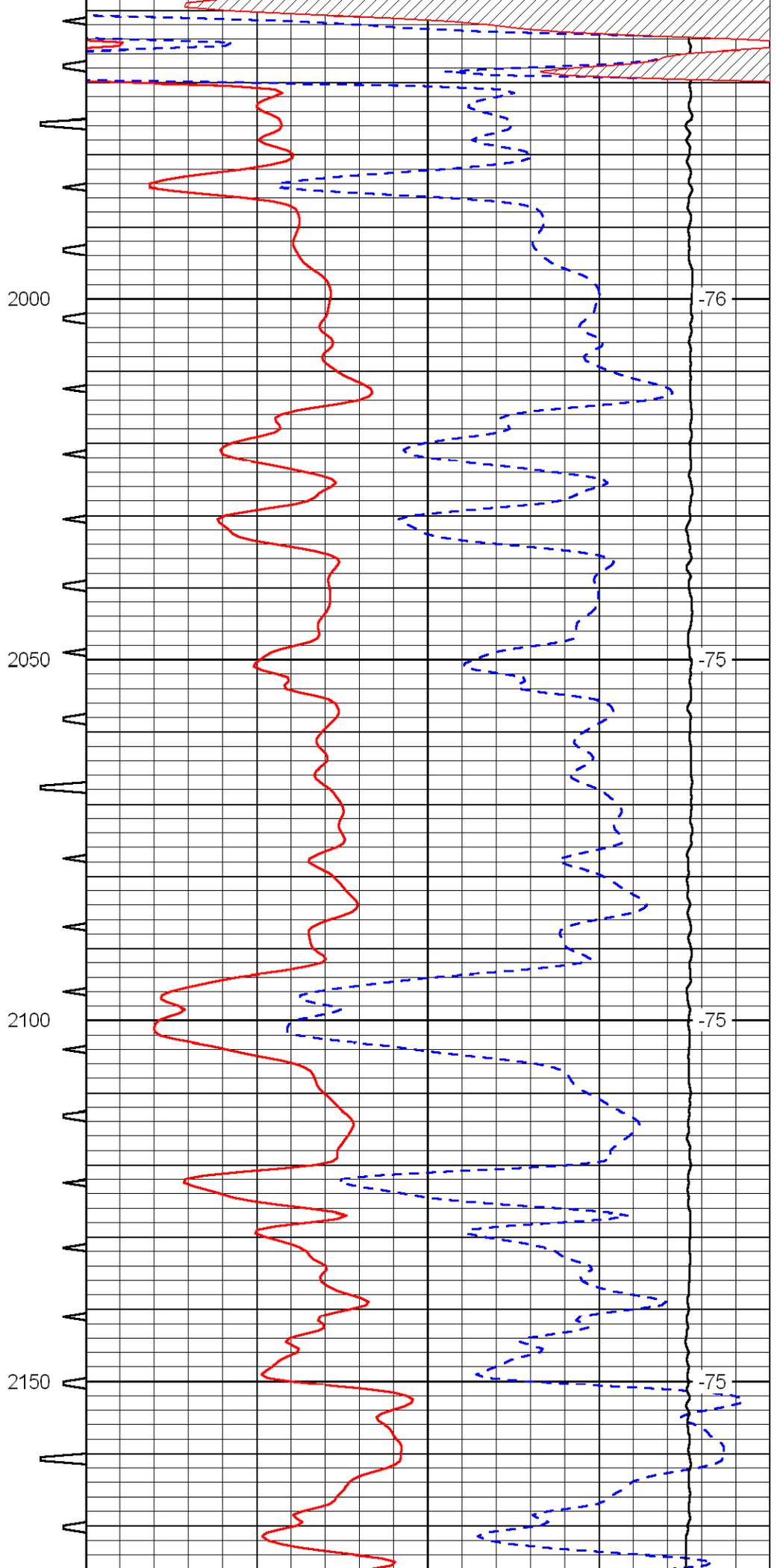
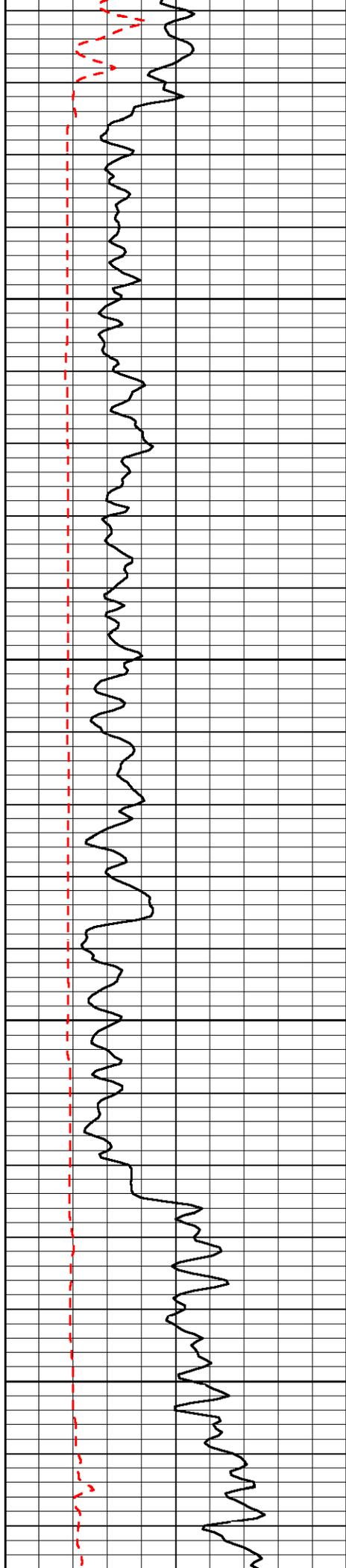












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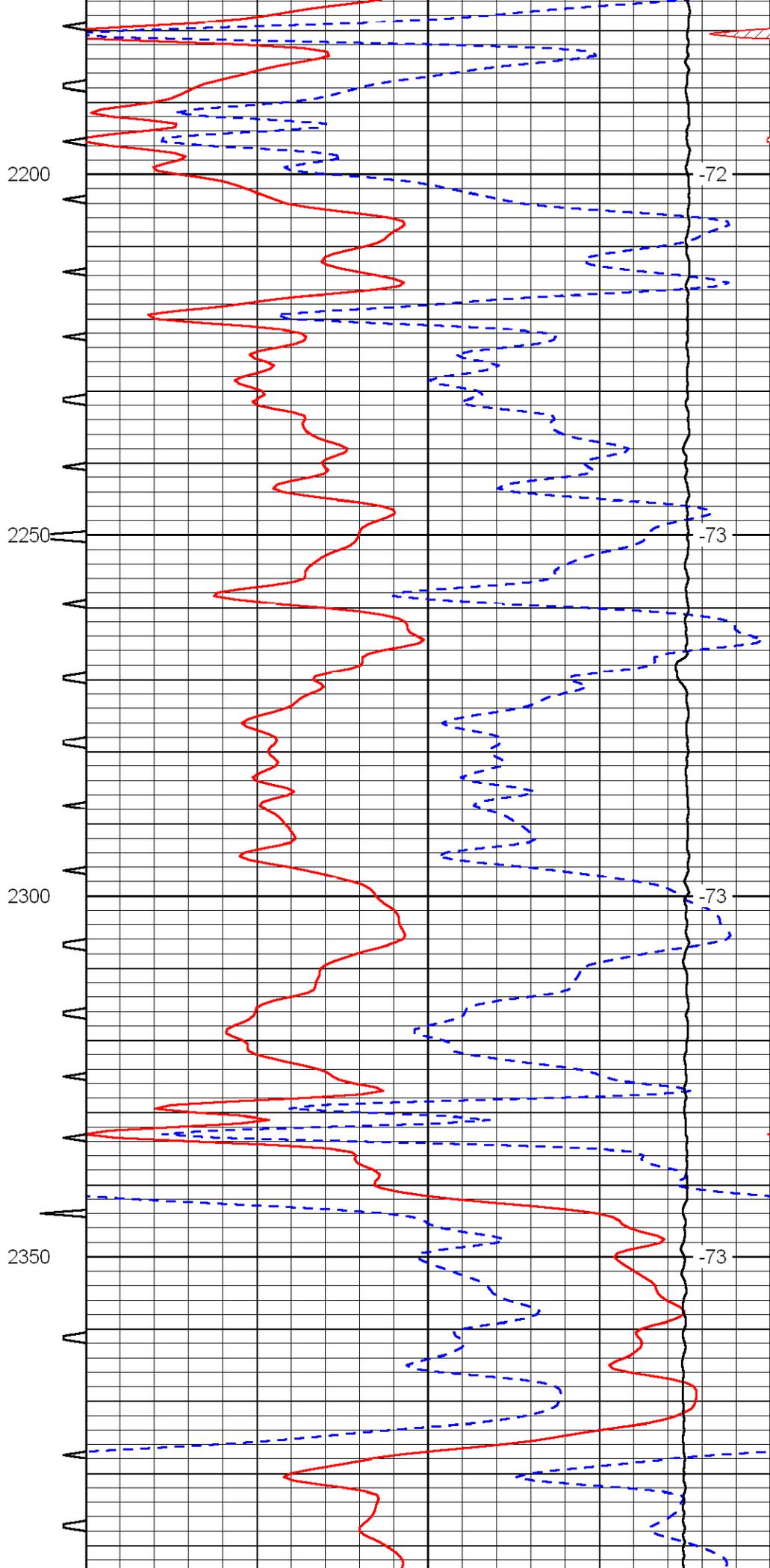
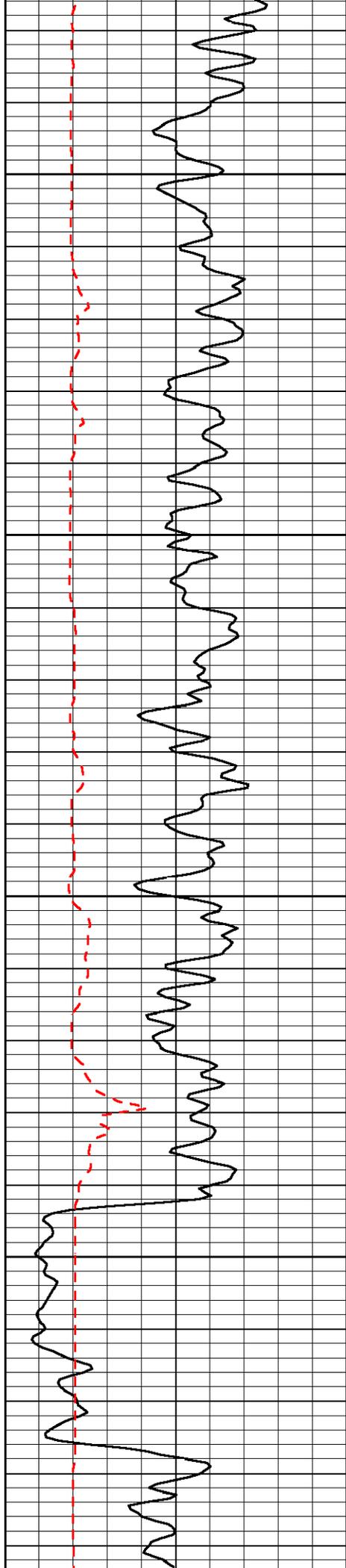
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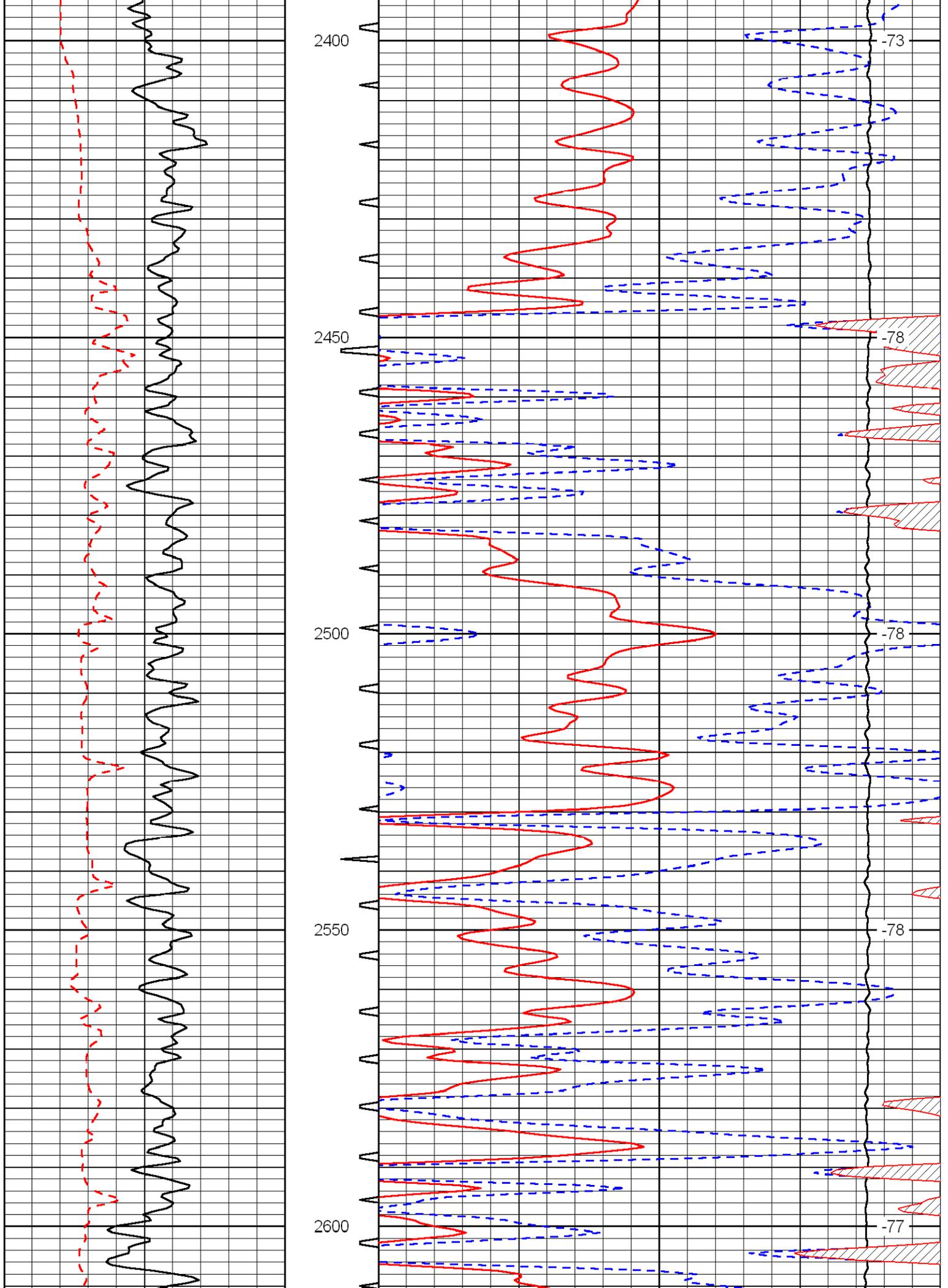
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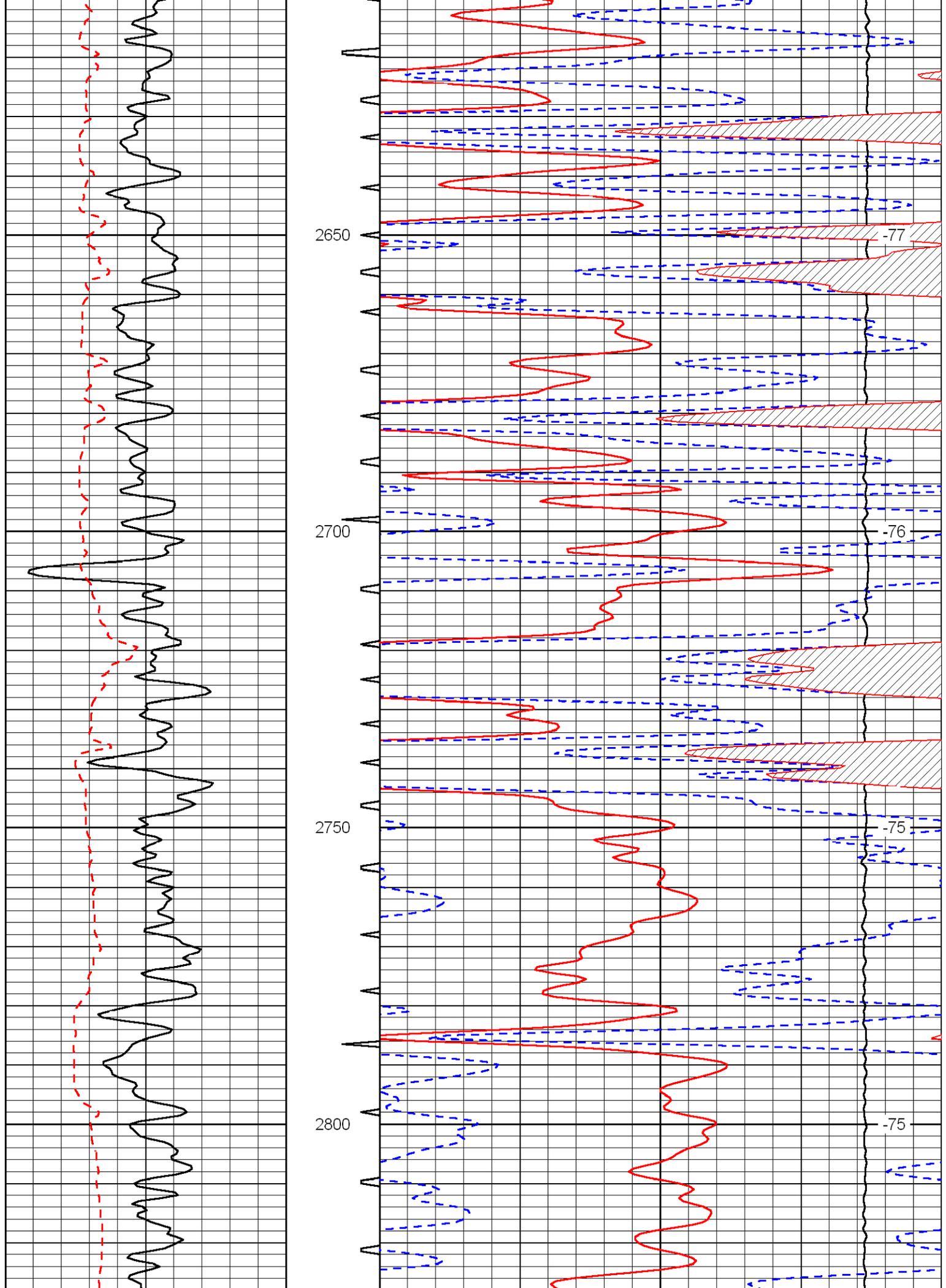
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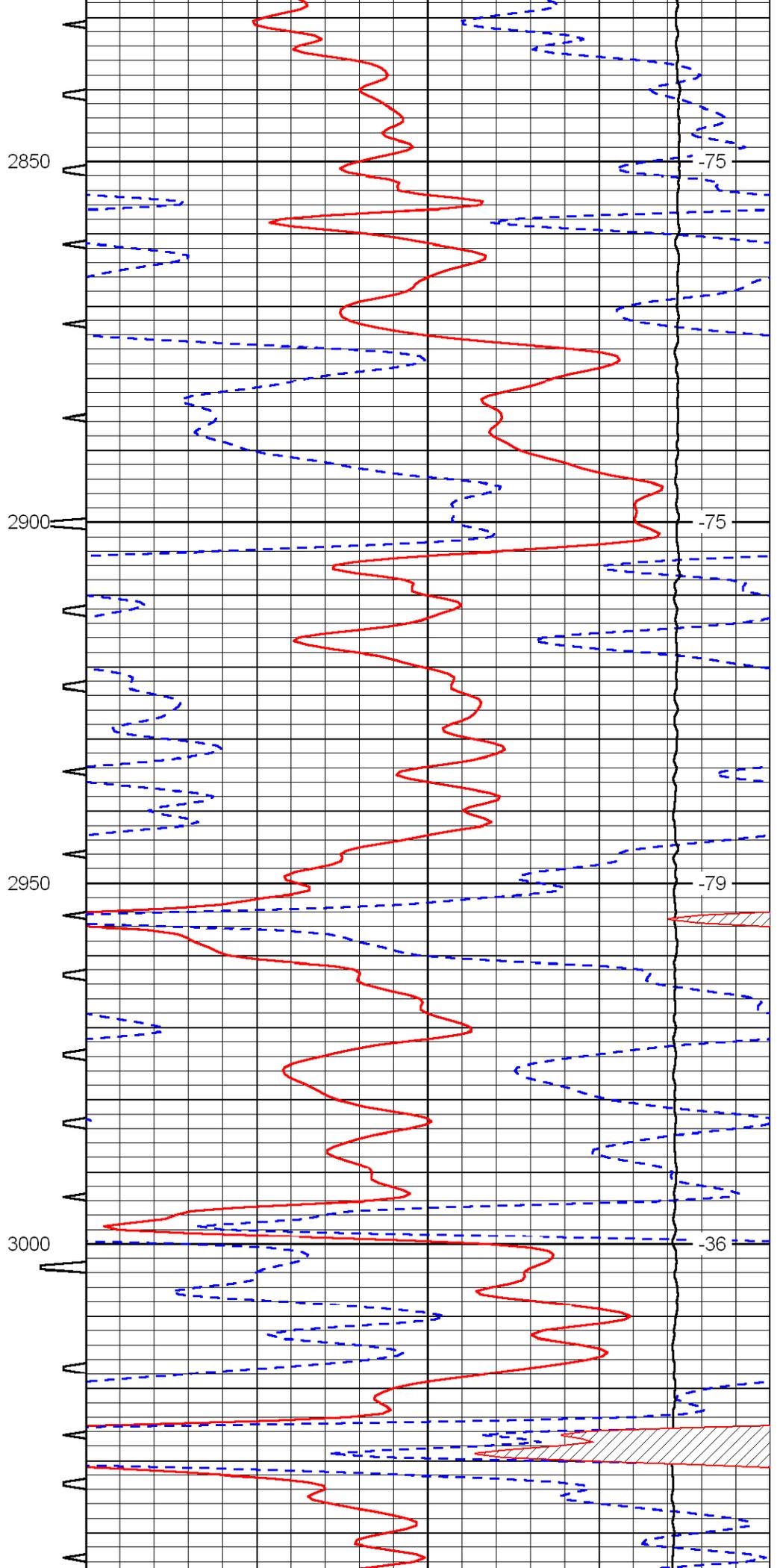
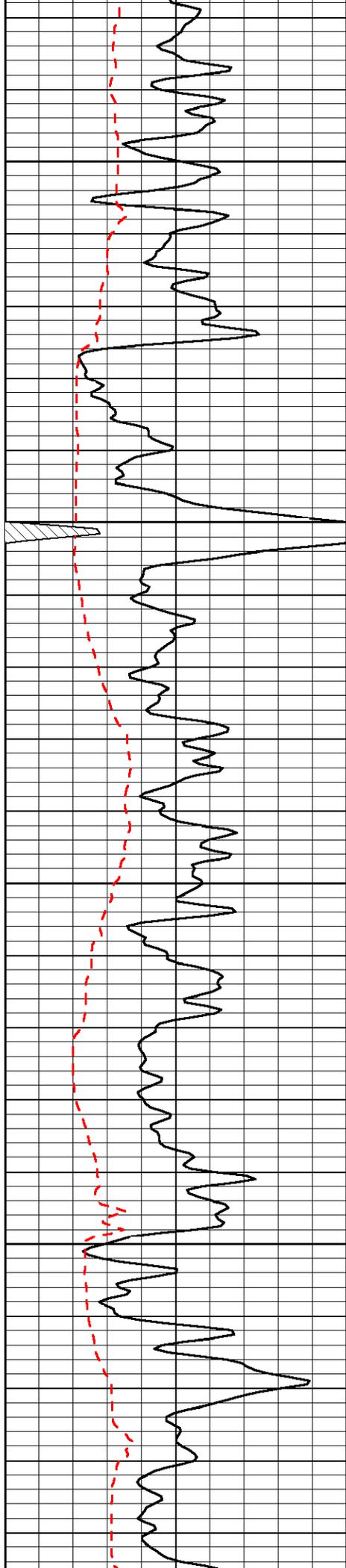
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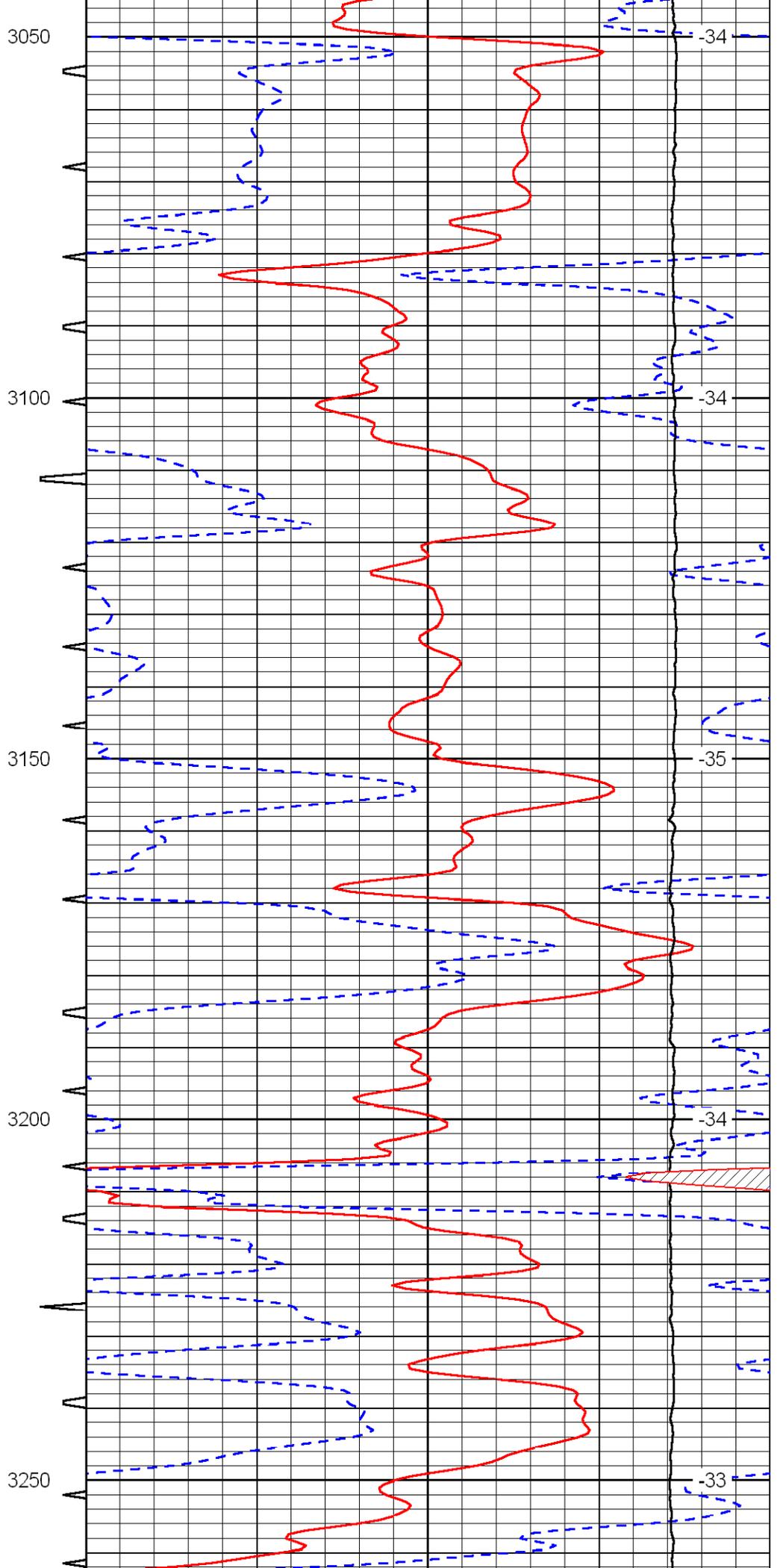
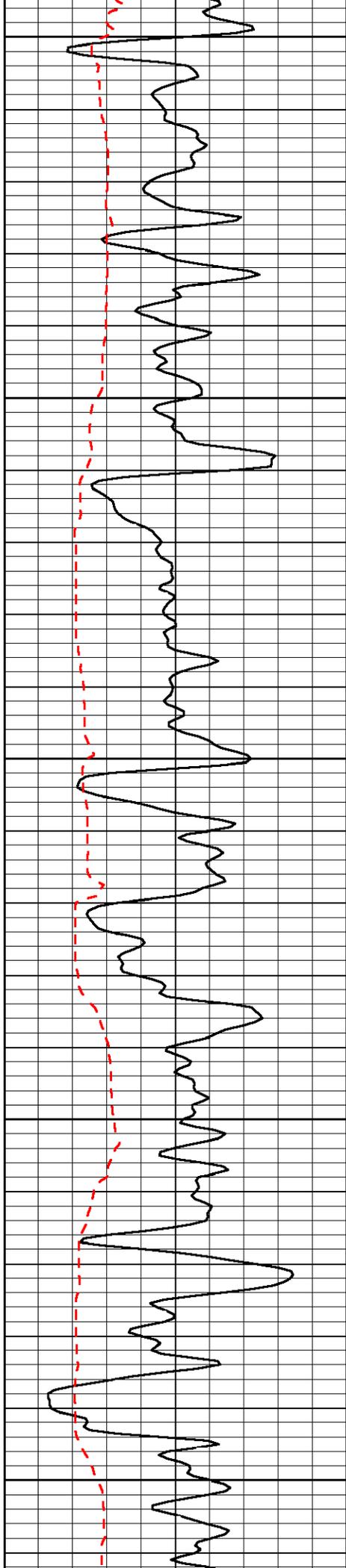
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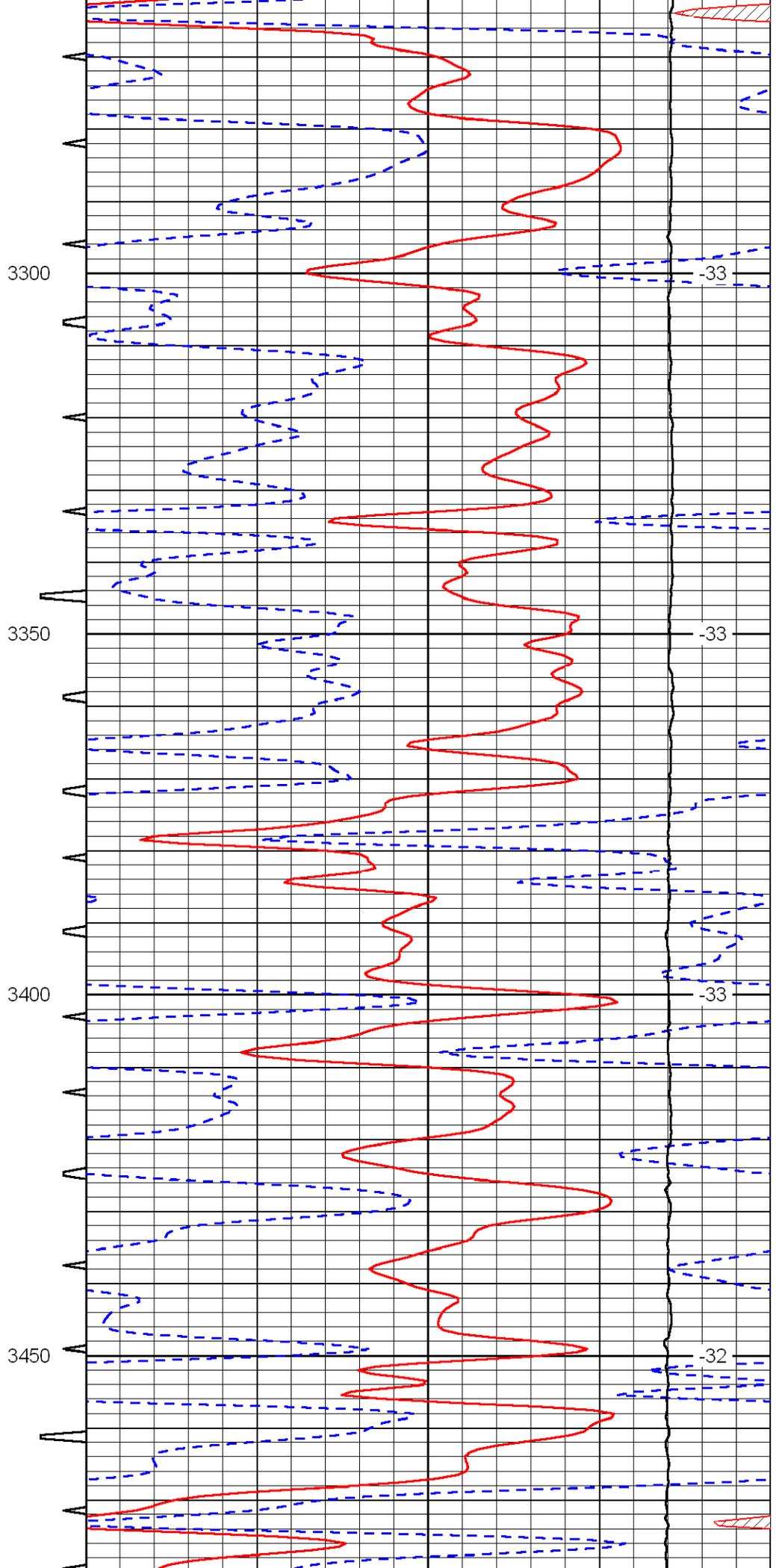
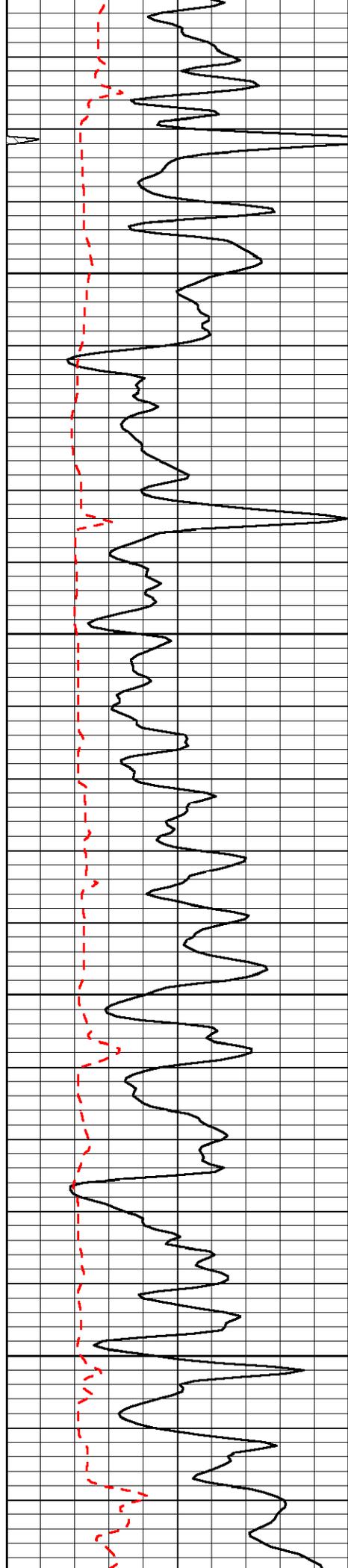


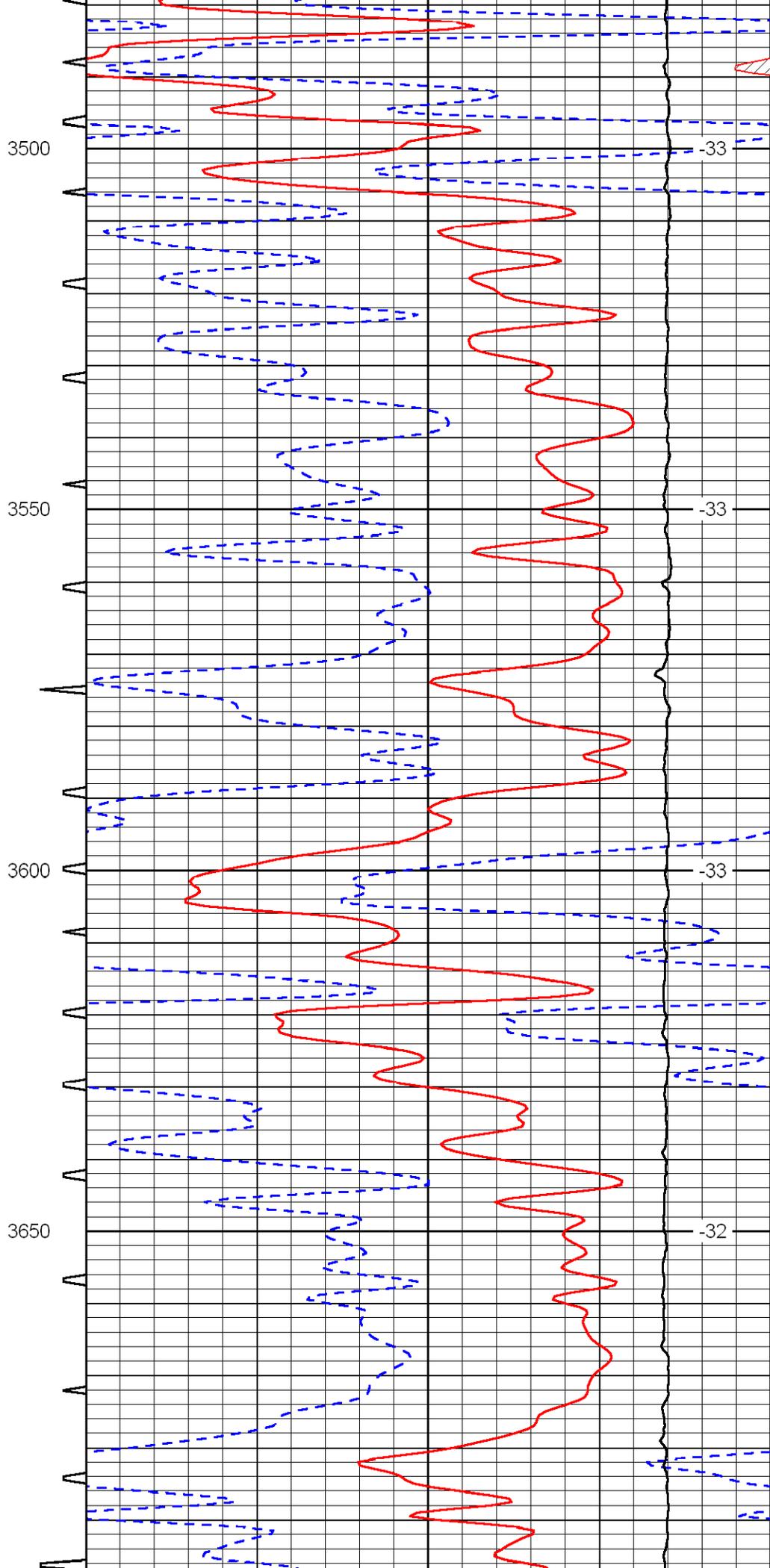
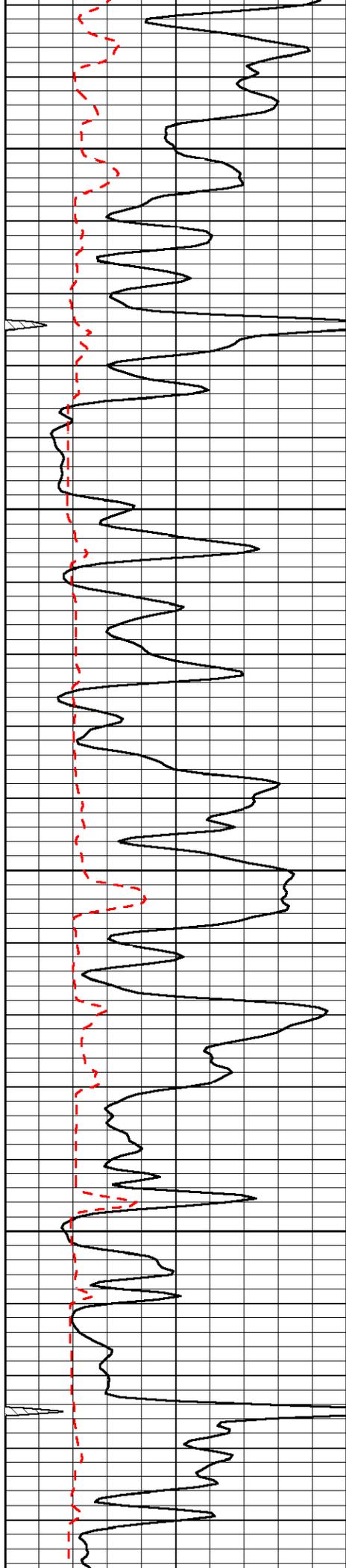


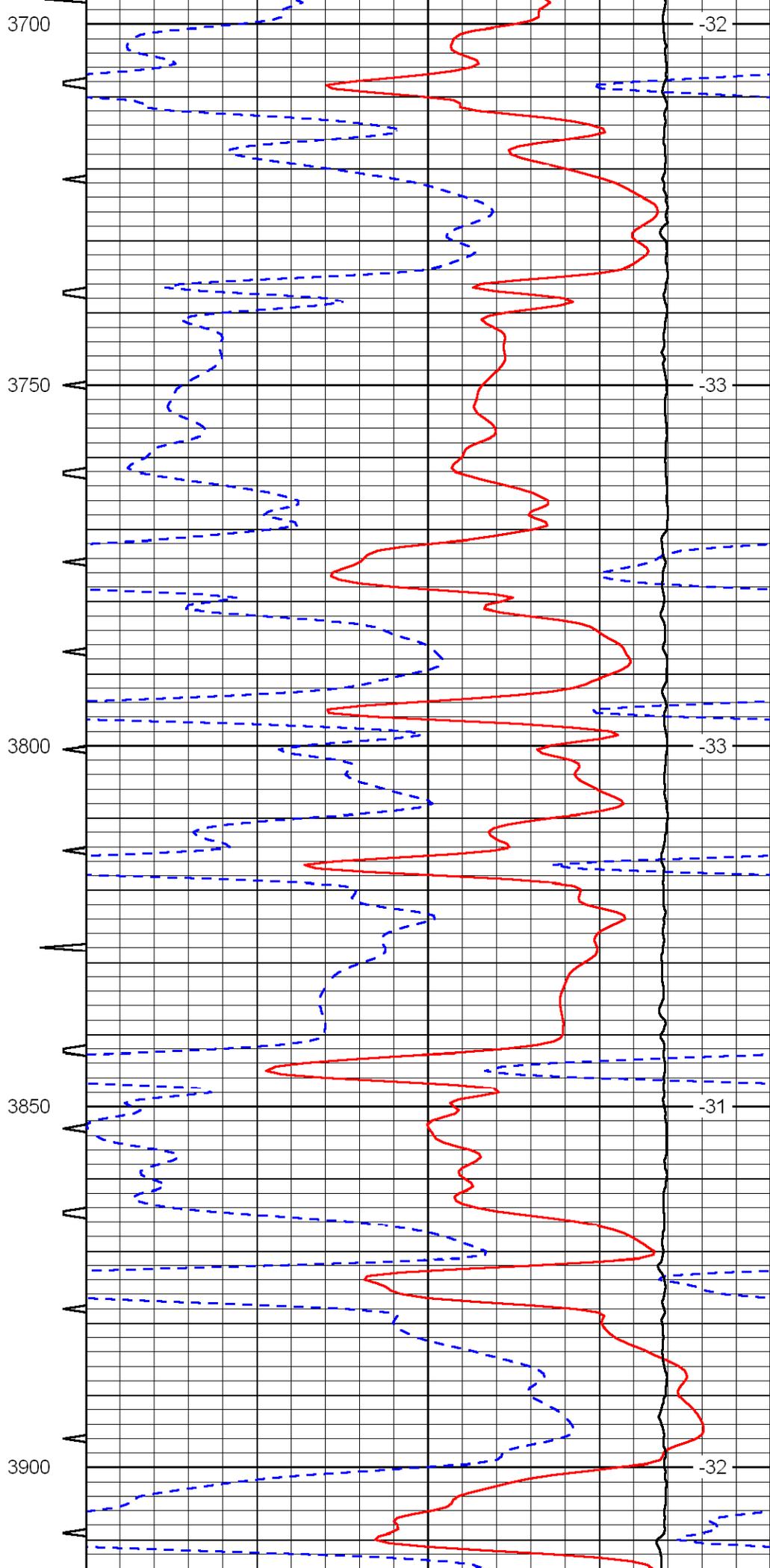
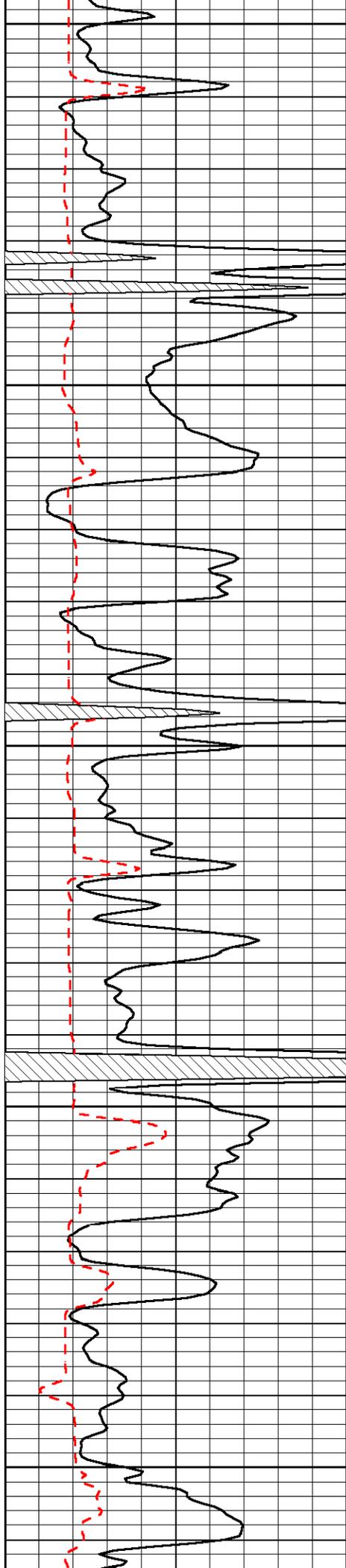


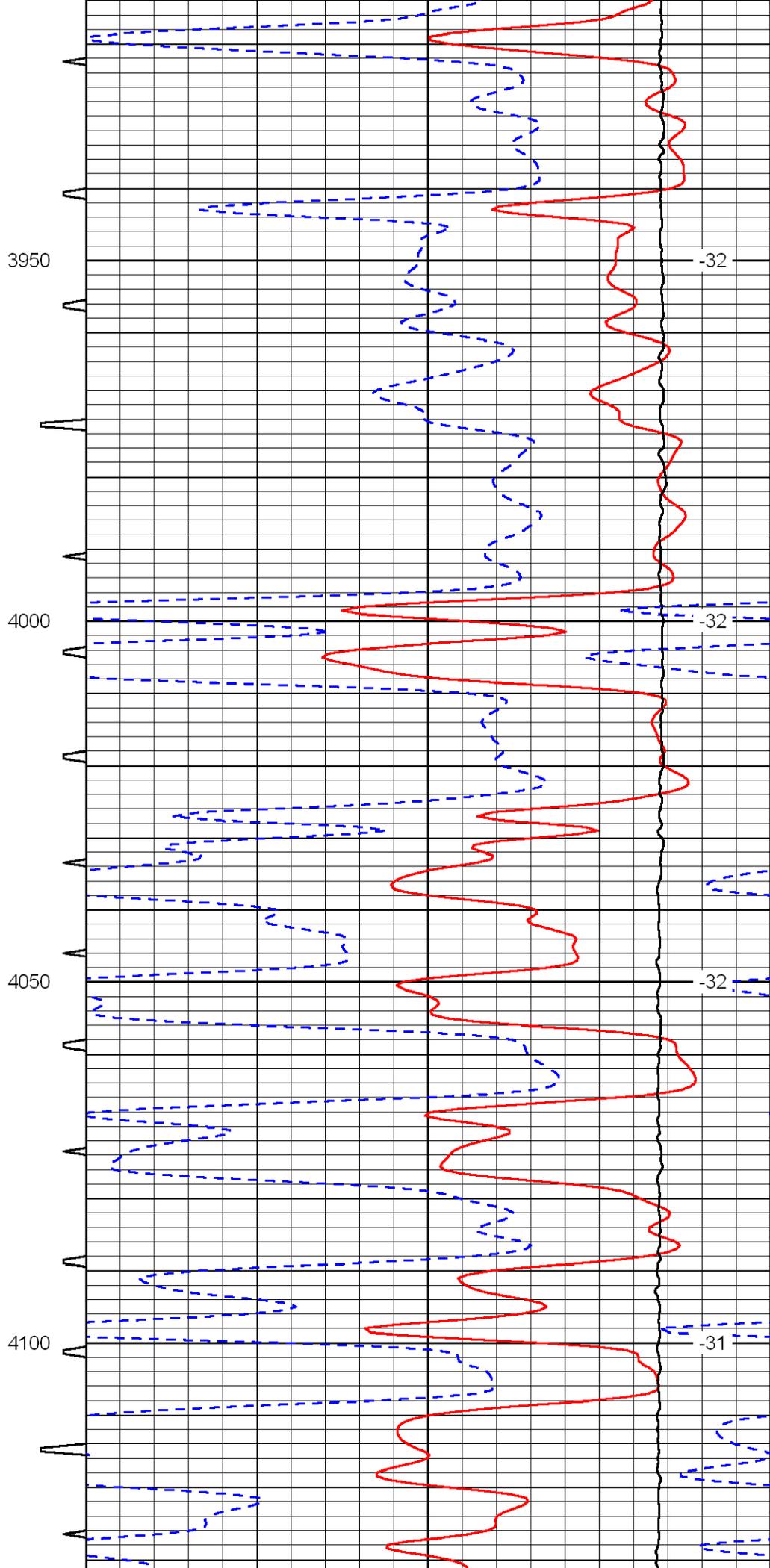
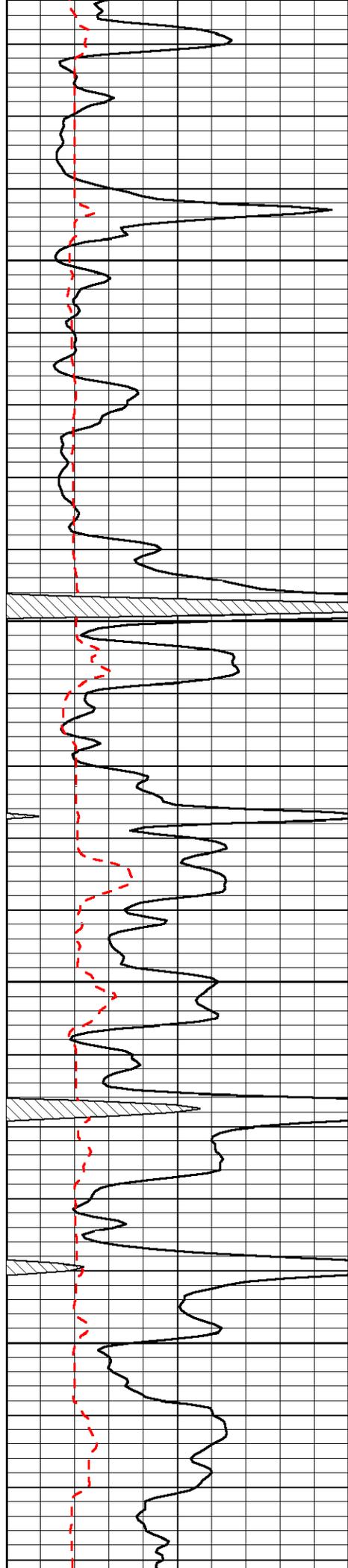


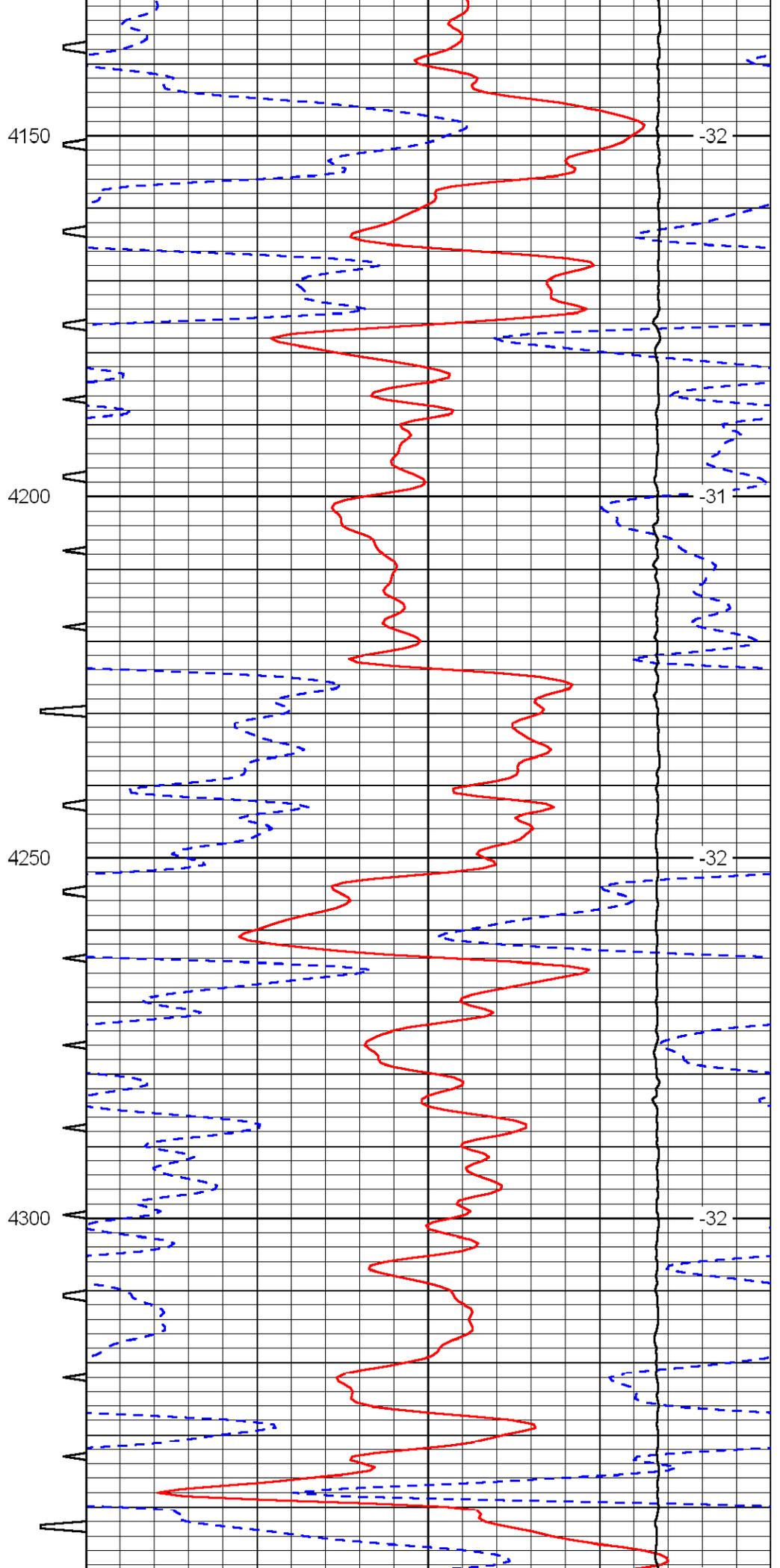
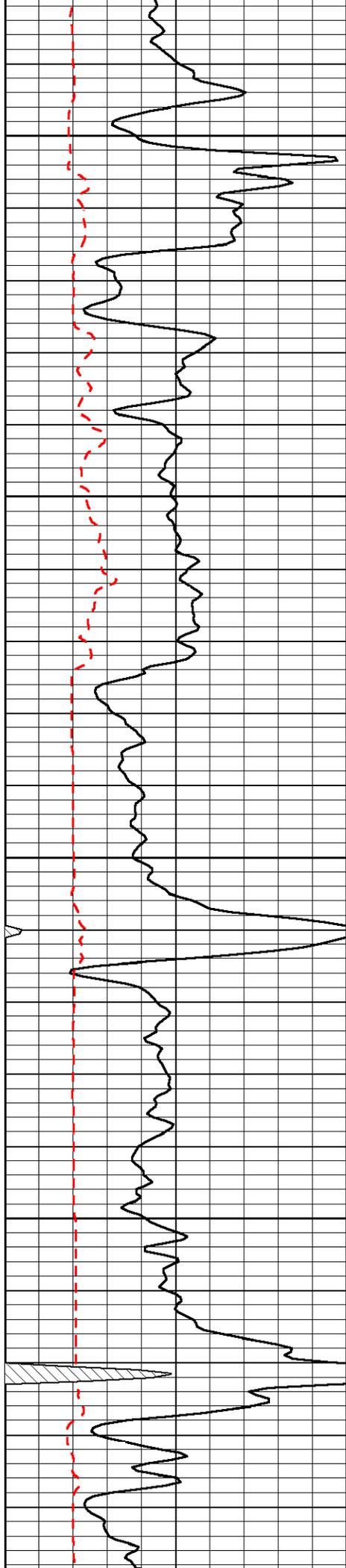


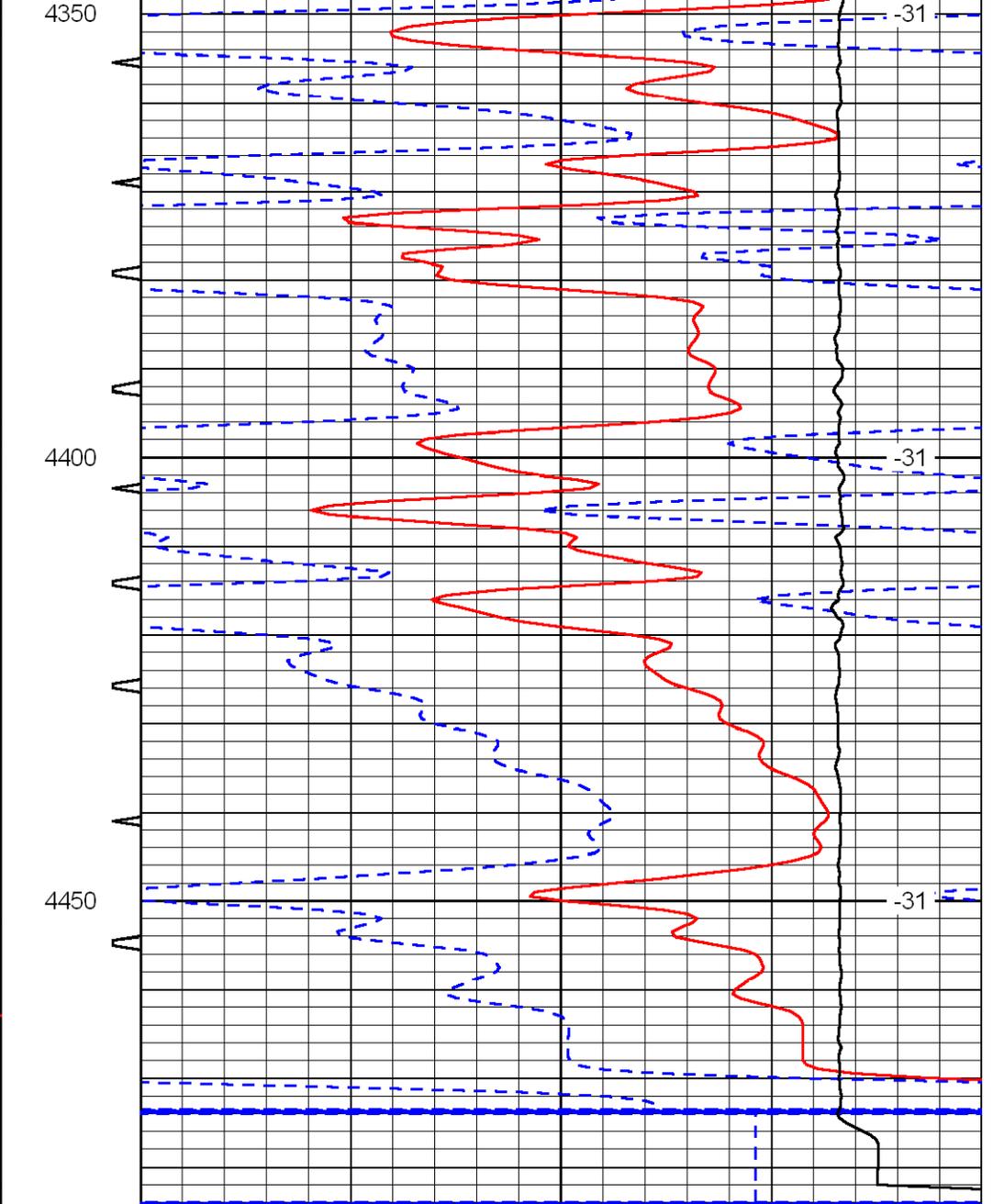
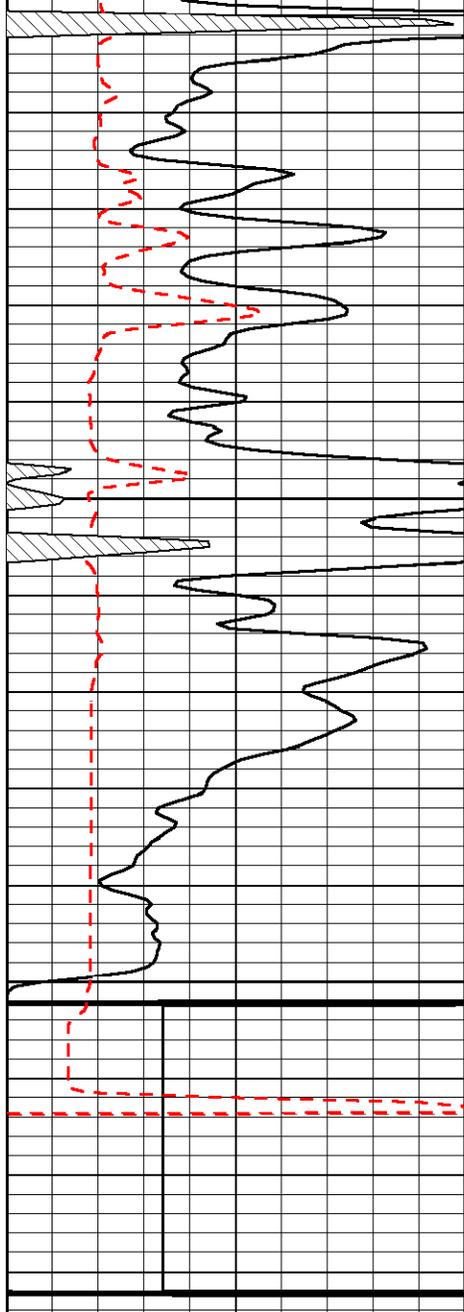












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