



**Borehole Compensated  
Sonic Log**

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

API No.	15-009-25,405-00-00		
Company	RAMA Operating Company, Inc.		
Well	Grant No. 7-4		
Field	Chase-Silica		
County	Barton	State	Kansas
Location	NW NE SE SW 1297' FSL & 2123' FWL		
Sec: 4	Twp: 20 S	Rge: 11 W	Other Services CNL/CDL MEL/DIL

Permanent Datum	Ground Level	Elevation 1771
Log Measured From	Kelly Bushing	12 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
Date	4/7/2010	Elevation K.B. 1783 D.F. 1771 G.L. 1771

Run Number	Two
Type Log	BHC Sonic
Depth Driller	3400
Depth Logger	3399
Bottom Logged Interval	3388
Top Logged Interval	300
Type Fluid In Hole	Chemical
Salinity, PPM CL	10,000
Density	9.1
Level	Full
Max. Rec. Temp. F	112
Operating Rig Time	5 Hours
Equipment -- Location	007   Hays
Recorded By	K. Bange
Witnessed By	Josh Austin

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	312	8.625	24#	00	312
2	7.875	312	3400				

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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**

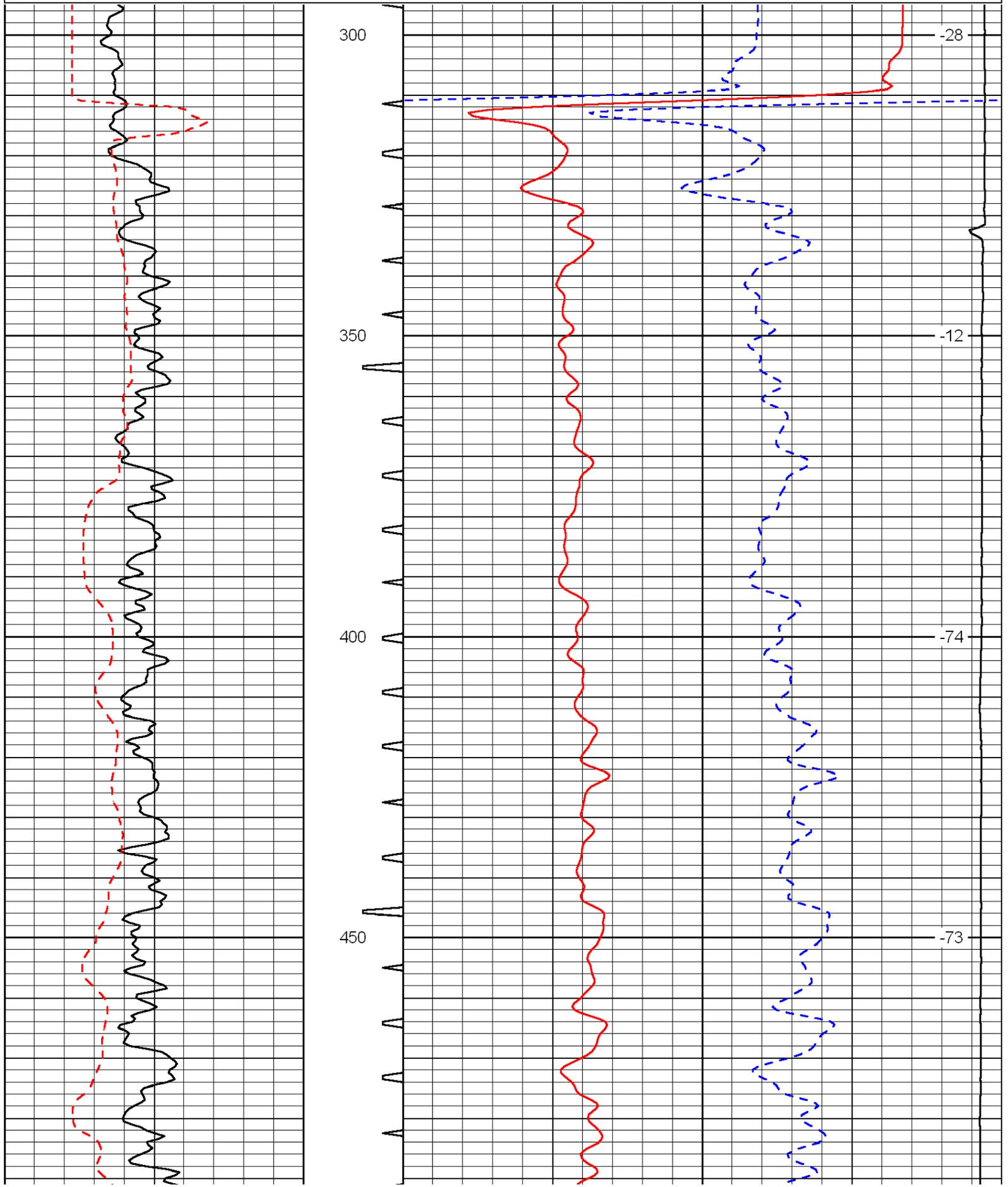
Thank you for using Log-Tech, Inc.  
(785) 625-3858

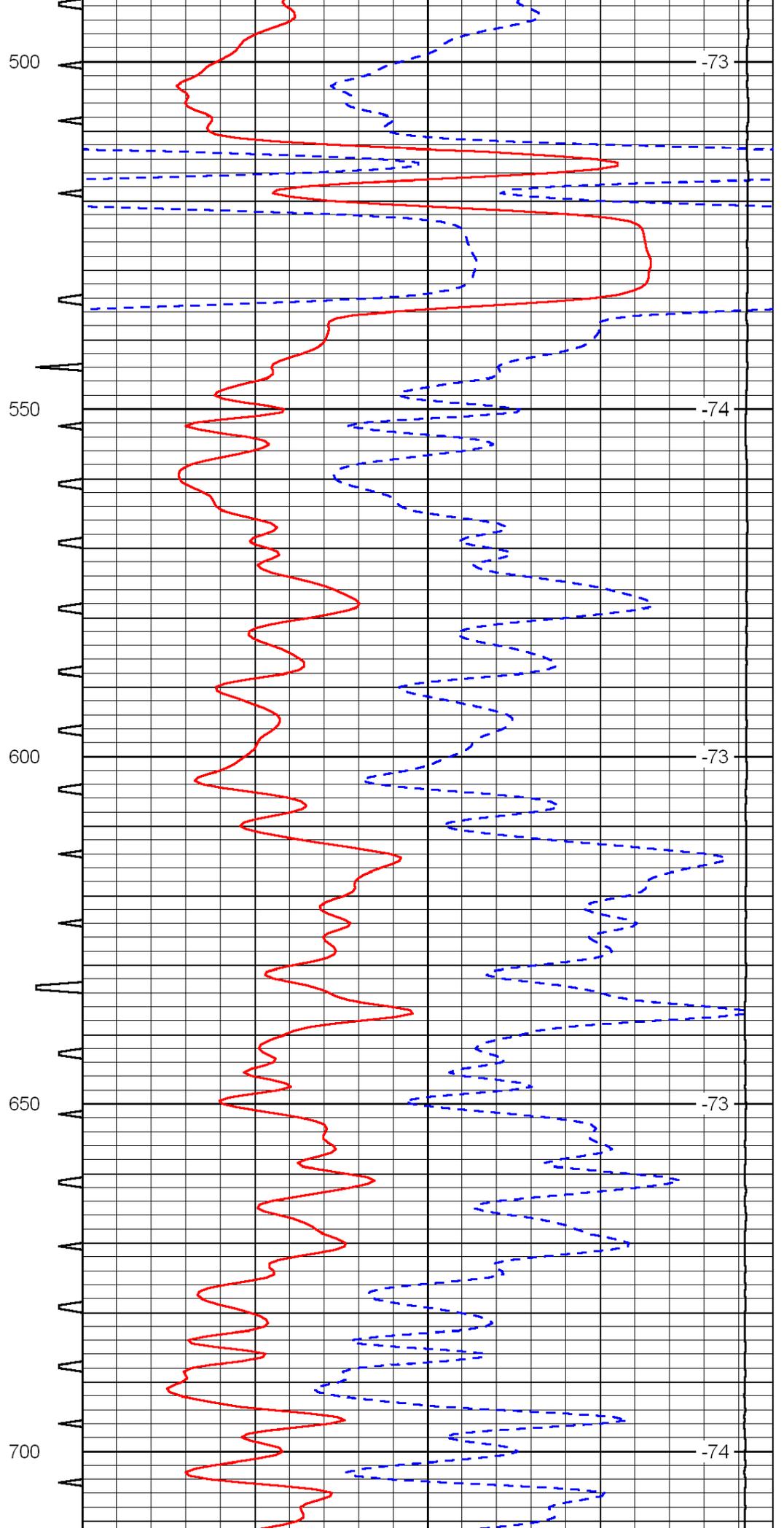
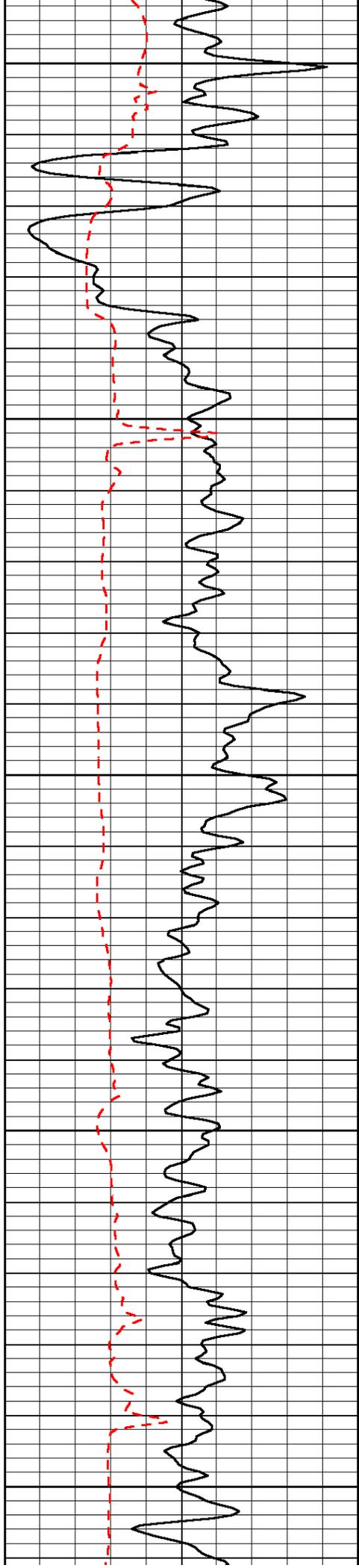
Ellinwood S to 1st curve, 2 1/4 E (past farmstead), 1/2 N to 2nd TB, E into

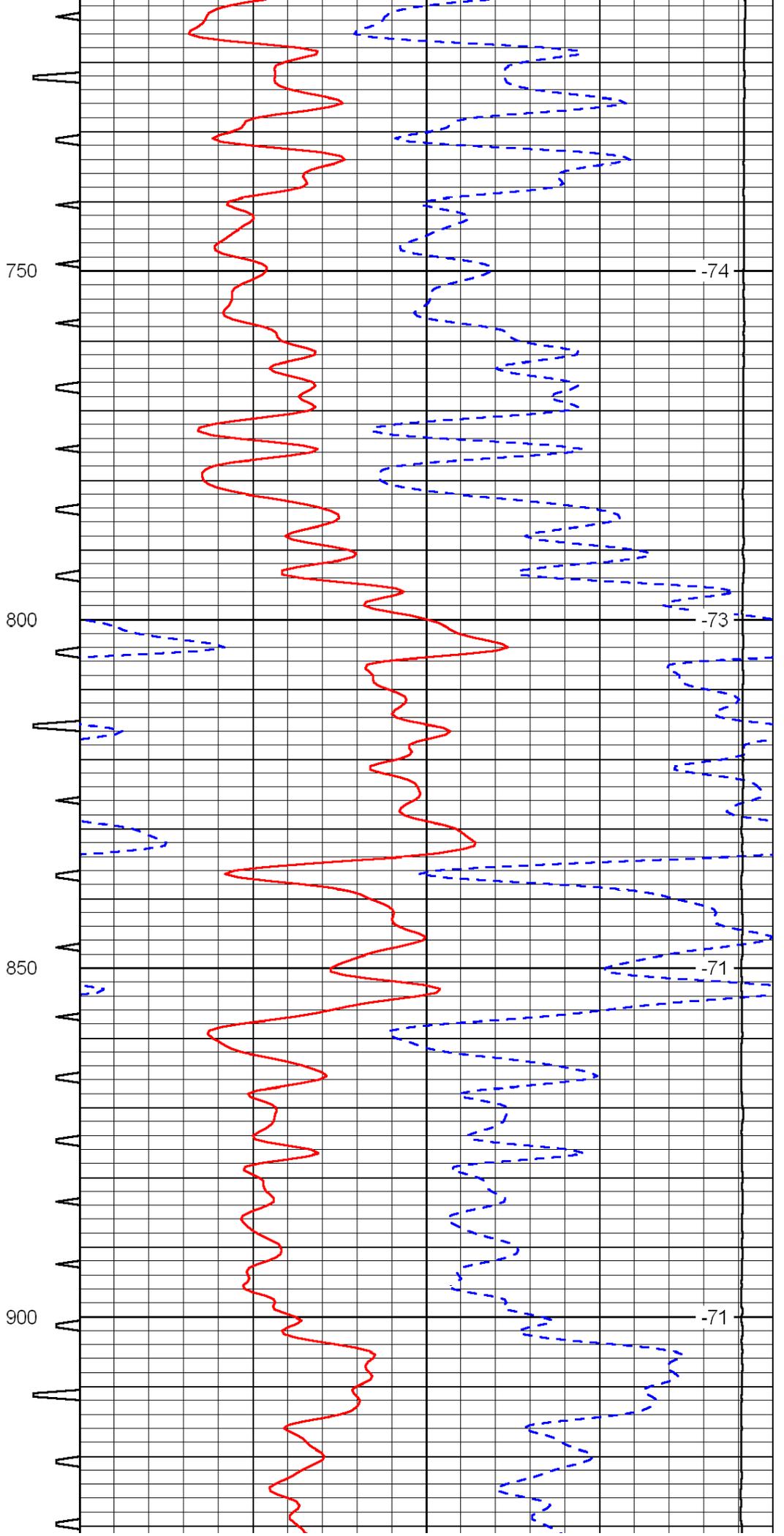
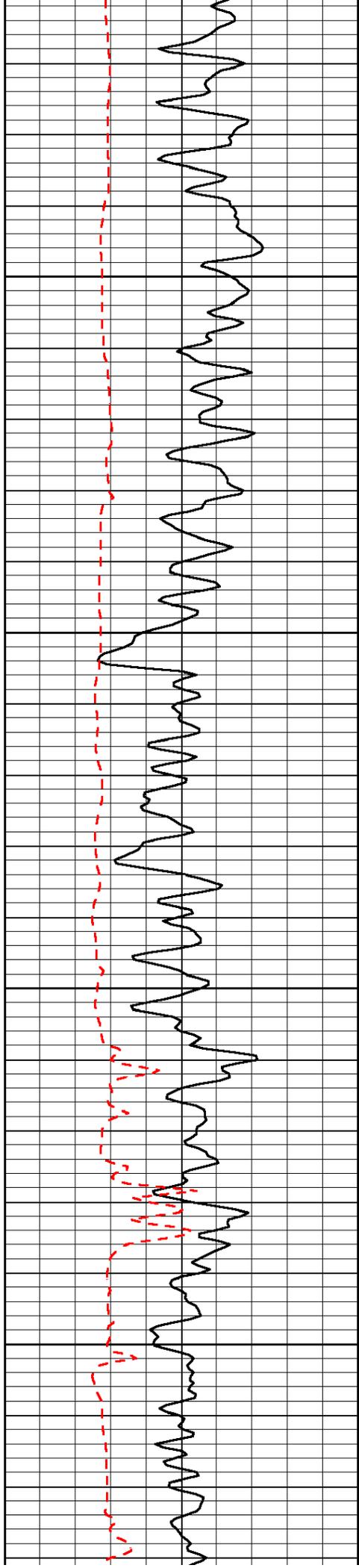
Database File: c:\warrior\data\rama\_grant no. 7-4\ramahd.db  
 Dataset Pathname: dil/rama2in  
 Presentation Format: sonic  
 Dataset Creation: Wed Apr 07 08:25:37 2010  
 Charted by: Depth in Feet scaled 1:240

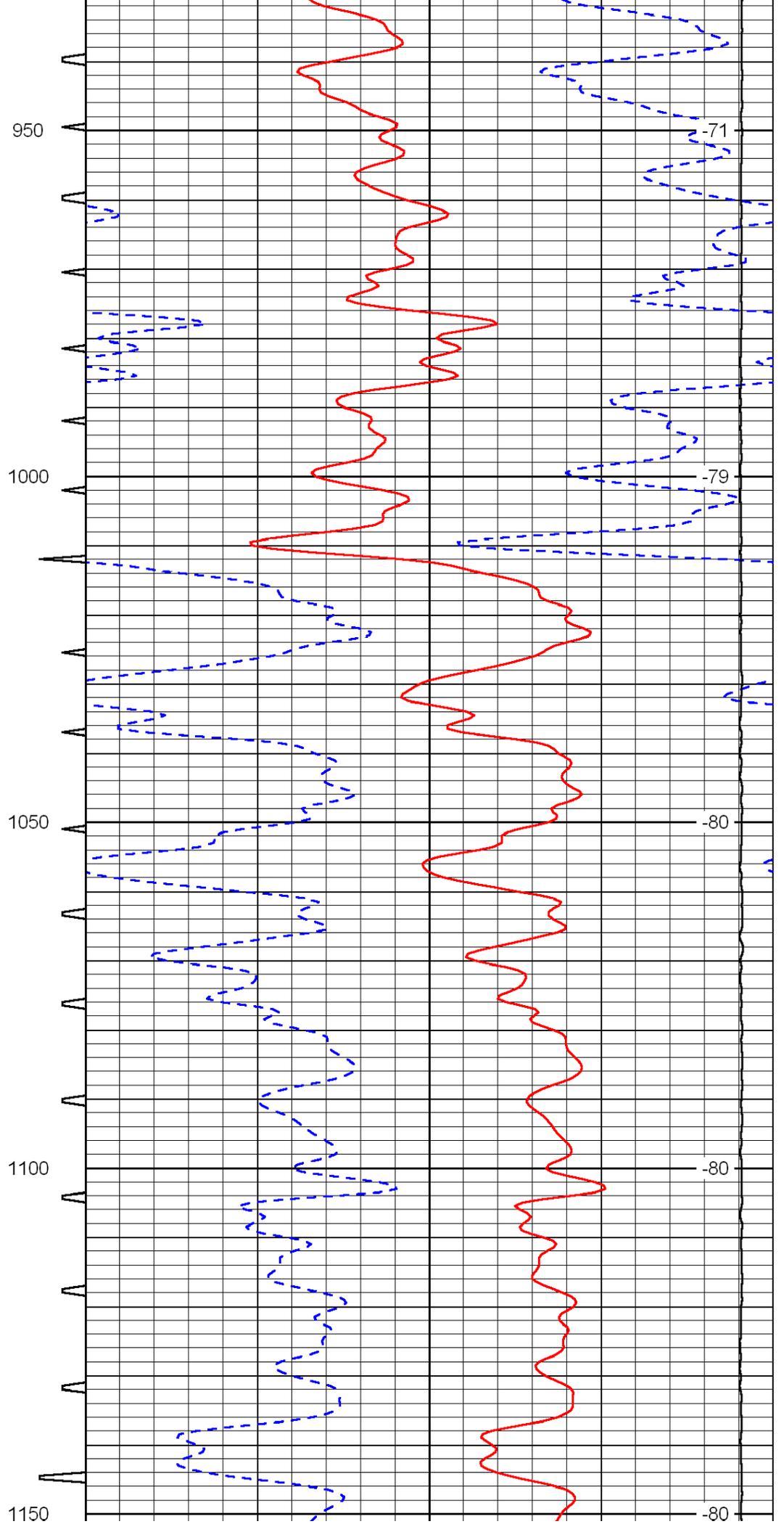
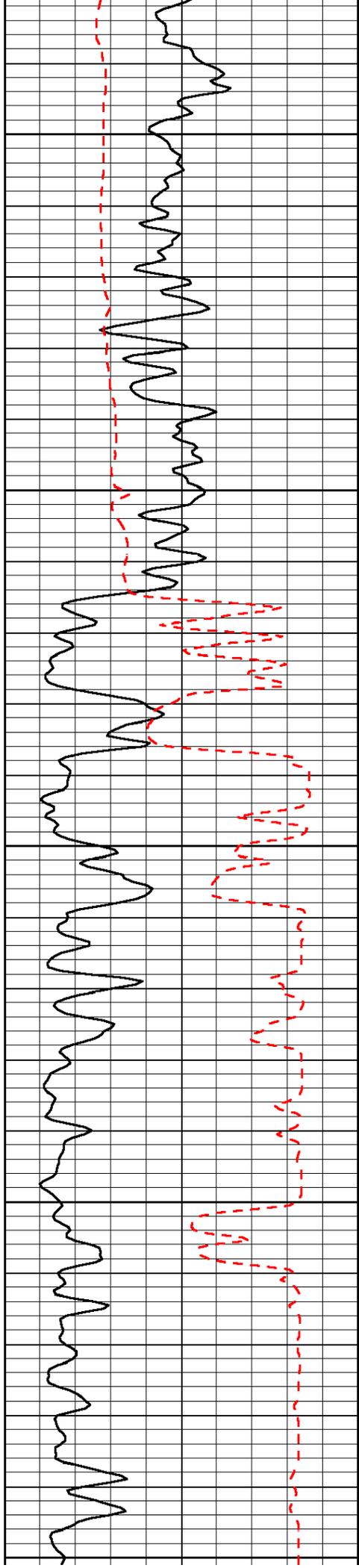
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40
150	Gamma Ray	300	5	0	SPOR	-10
6	Caliper (GAPI)	16		15000	LTEN (lb)	0

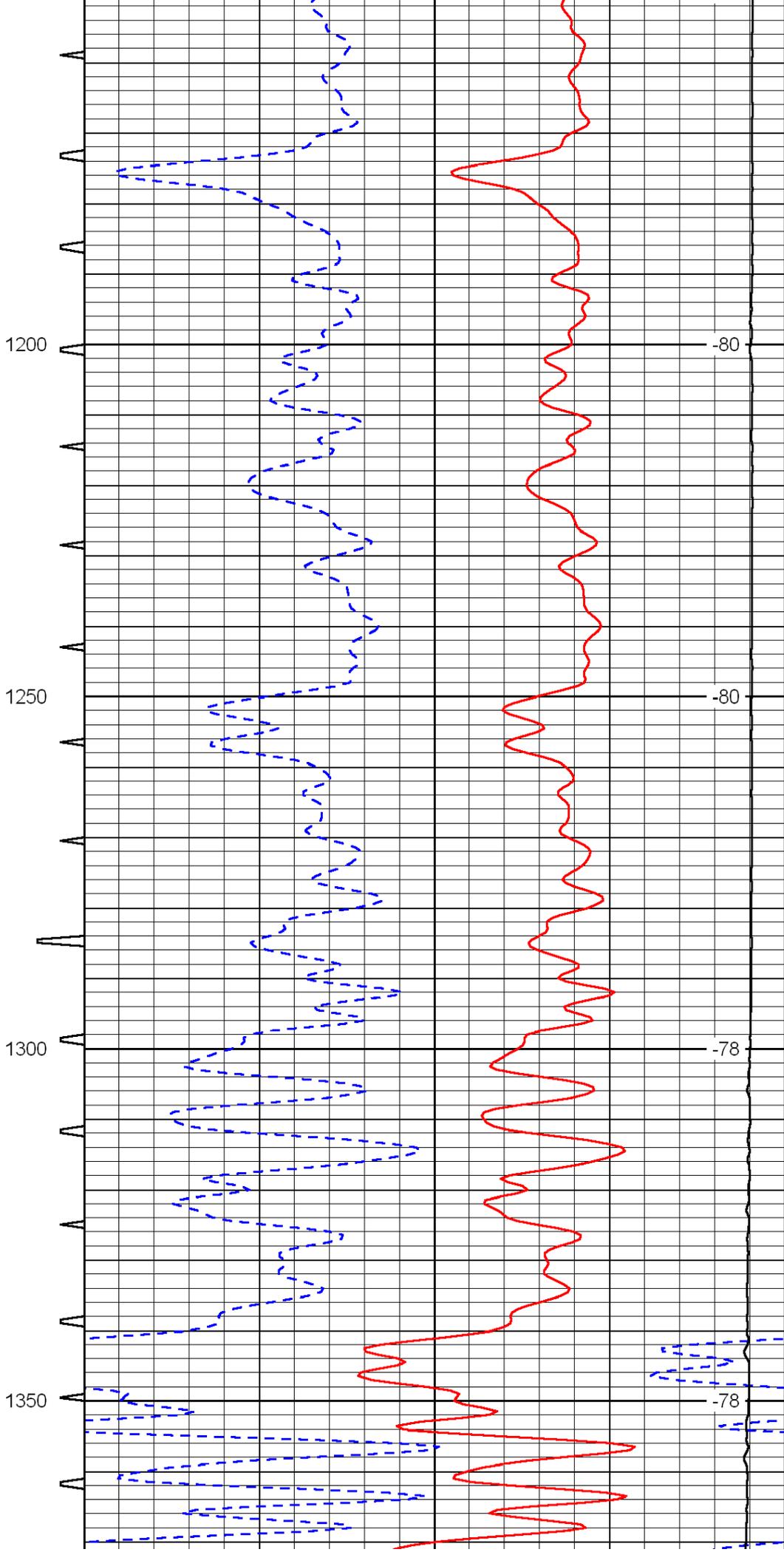
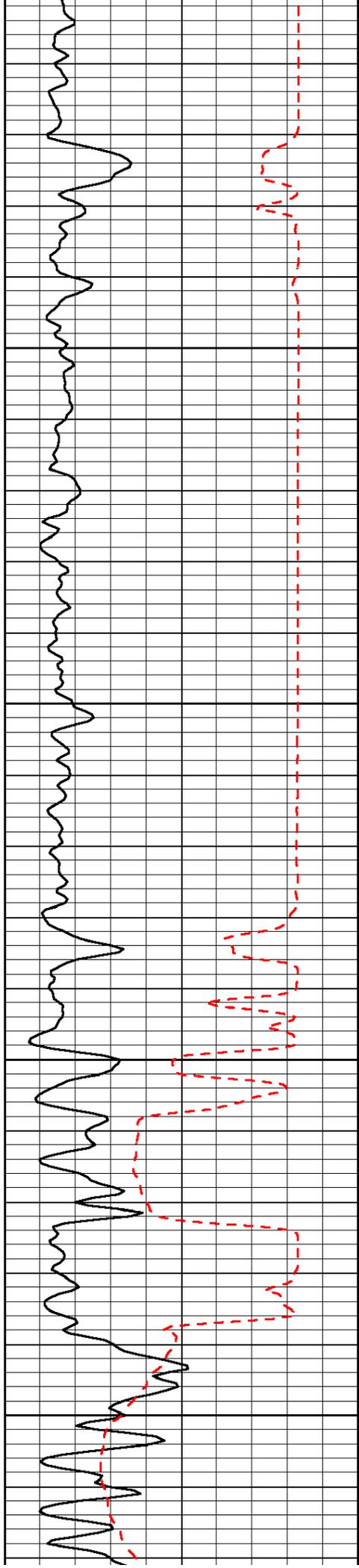
LSPD

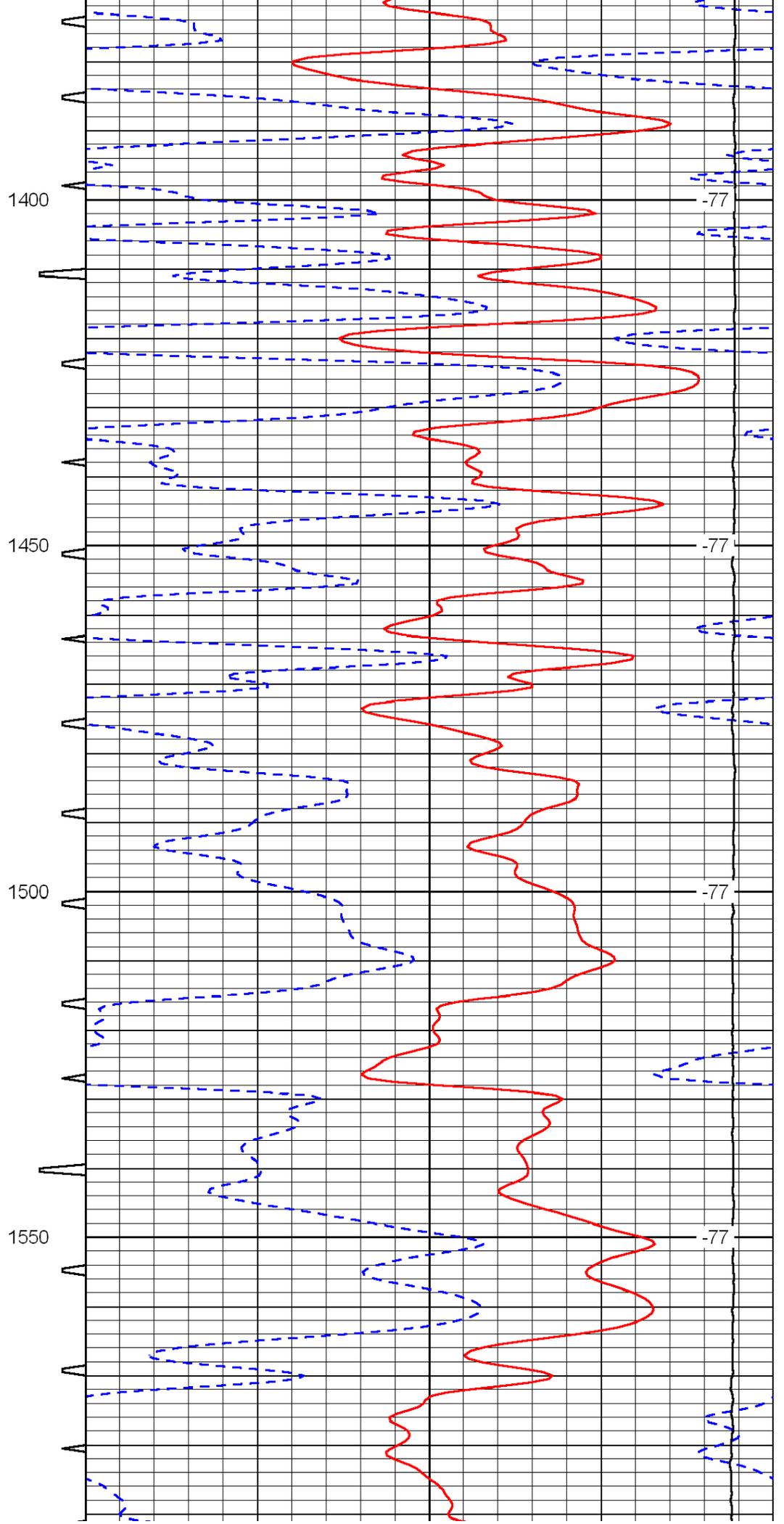
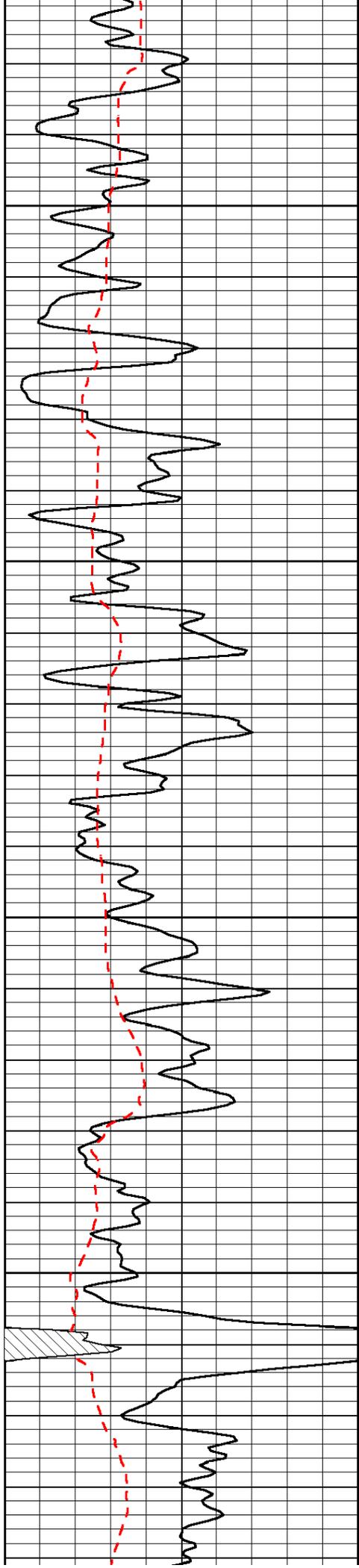


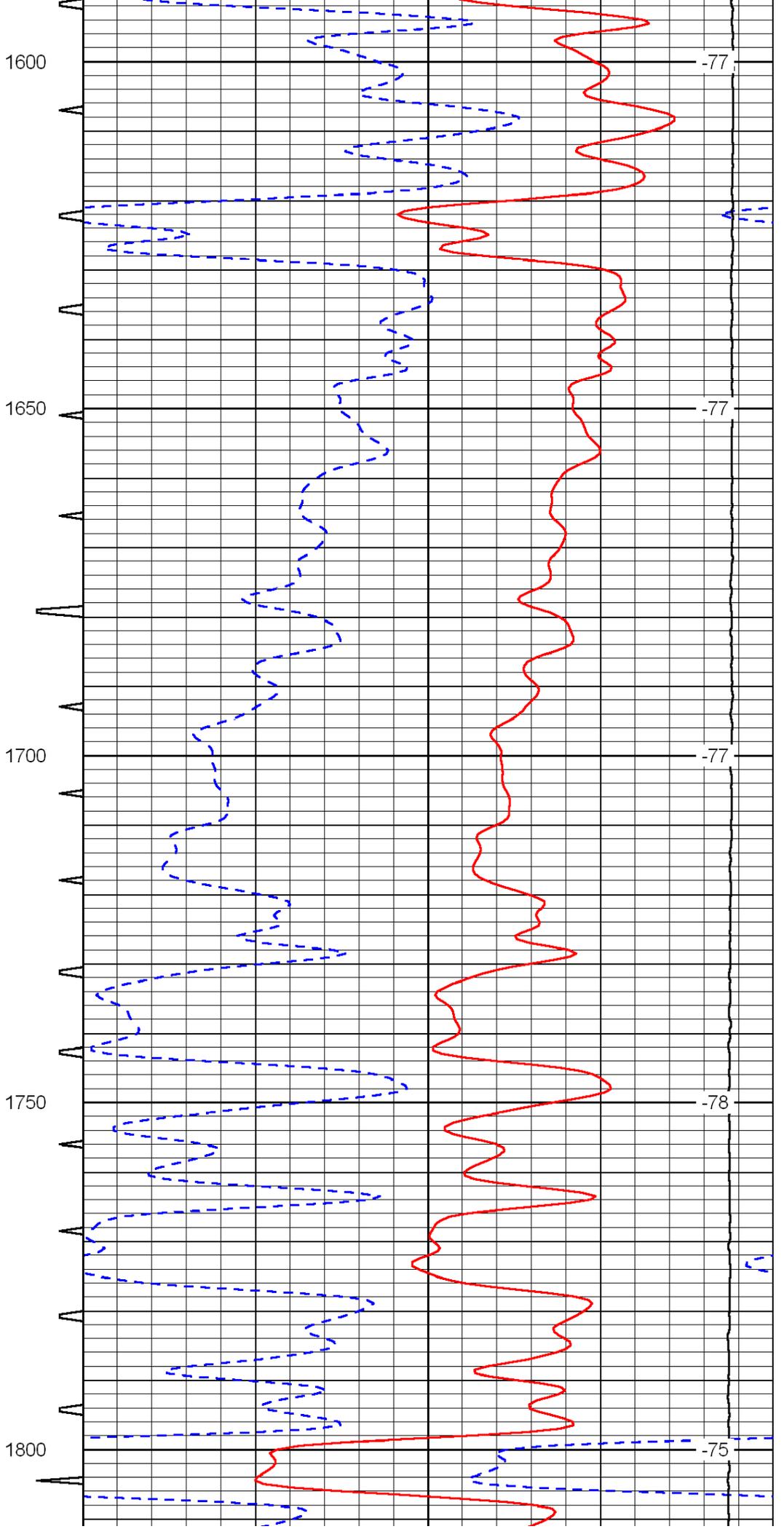
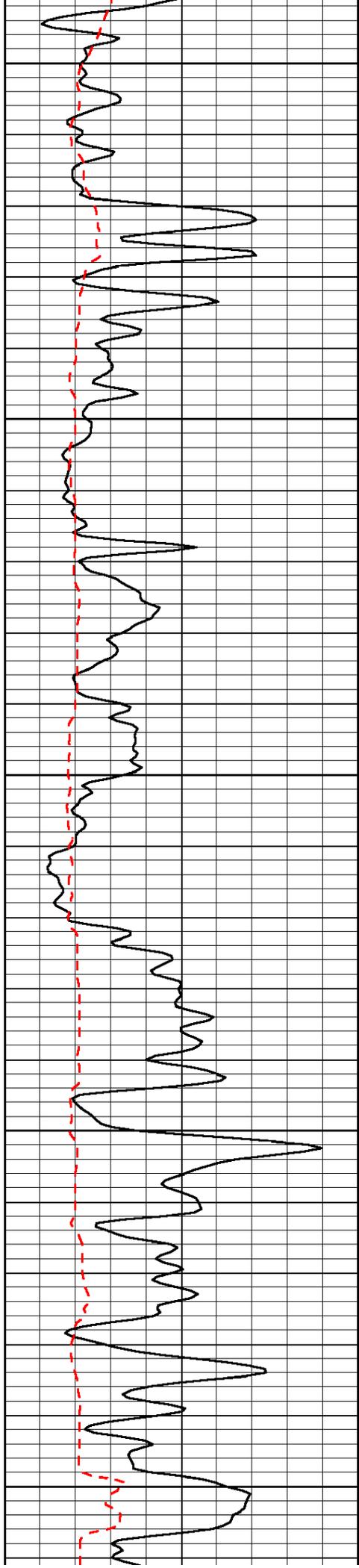


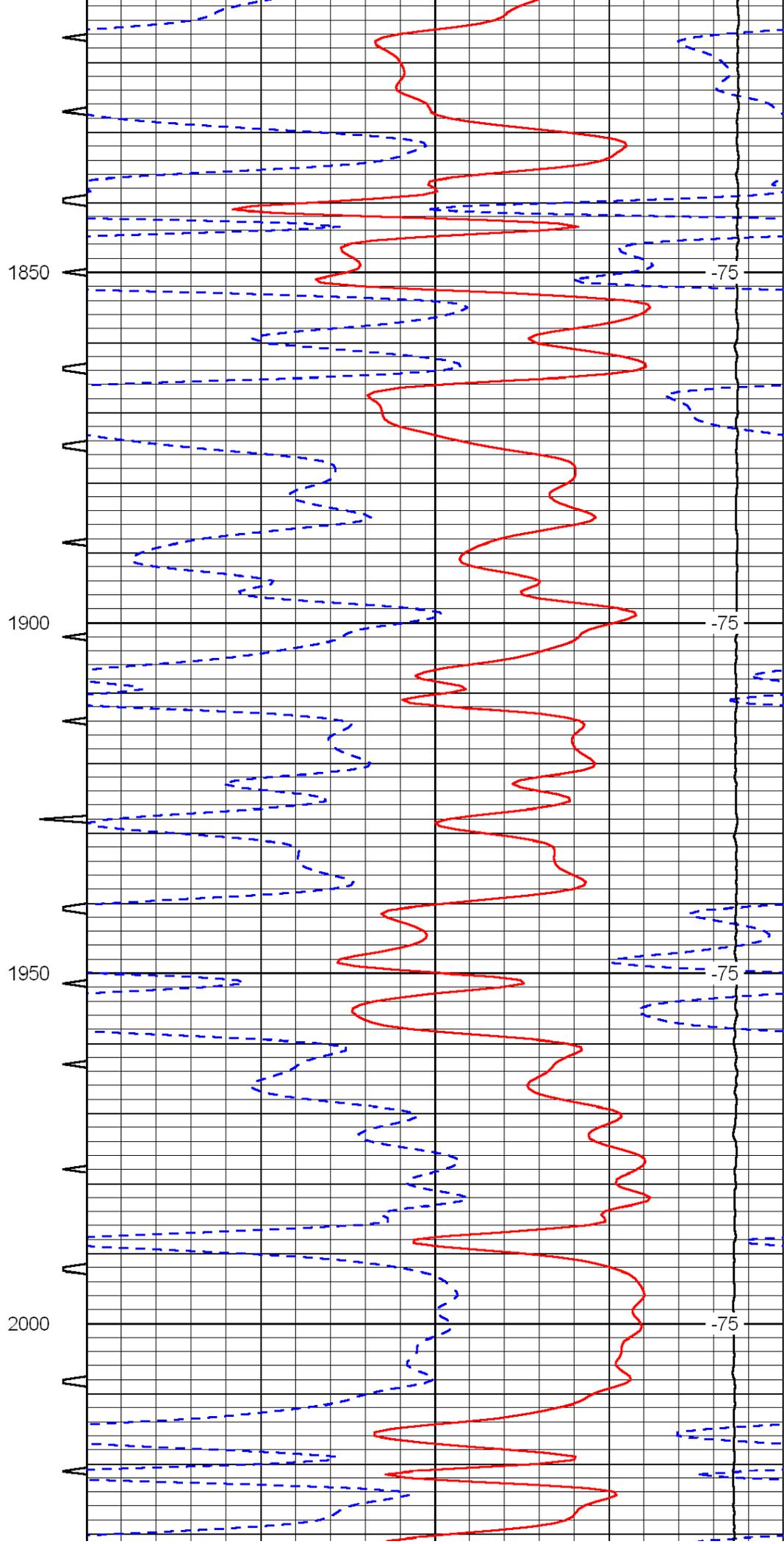
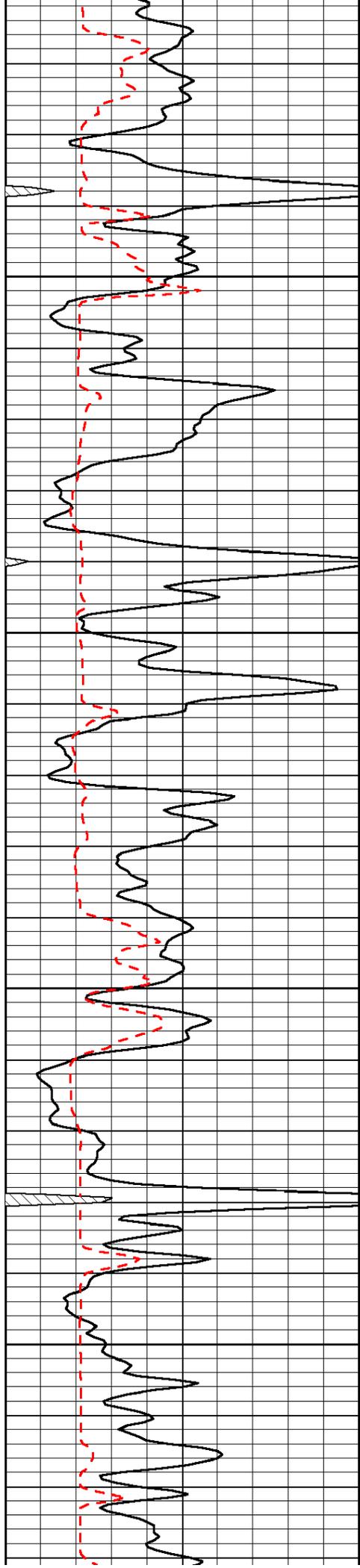


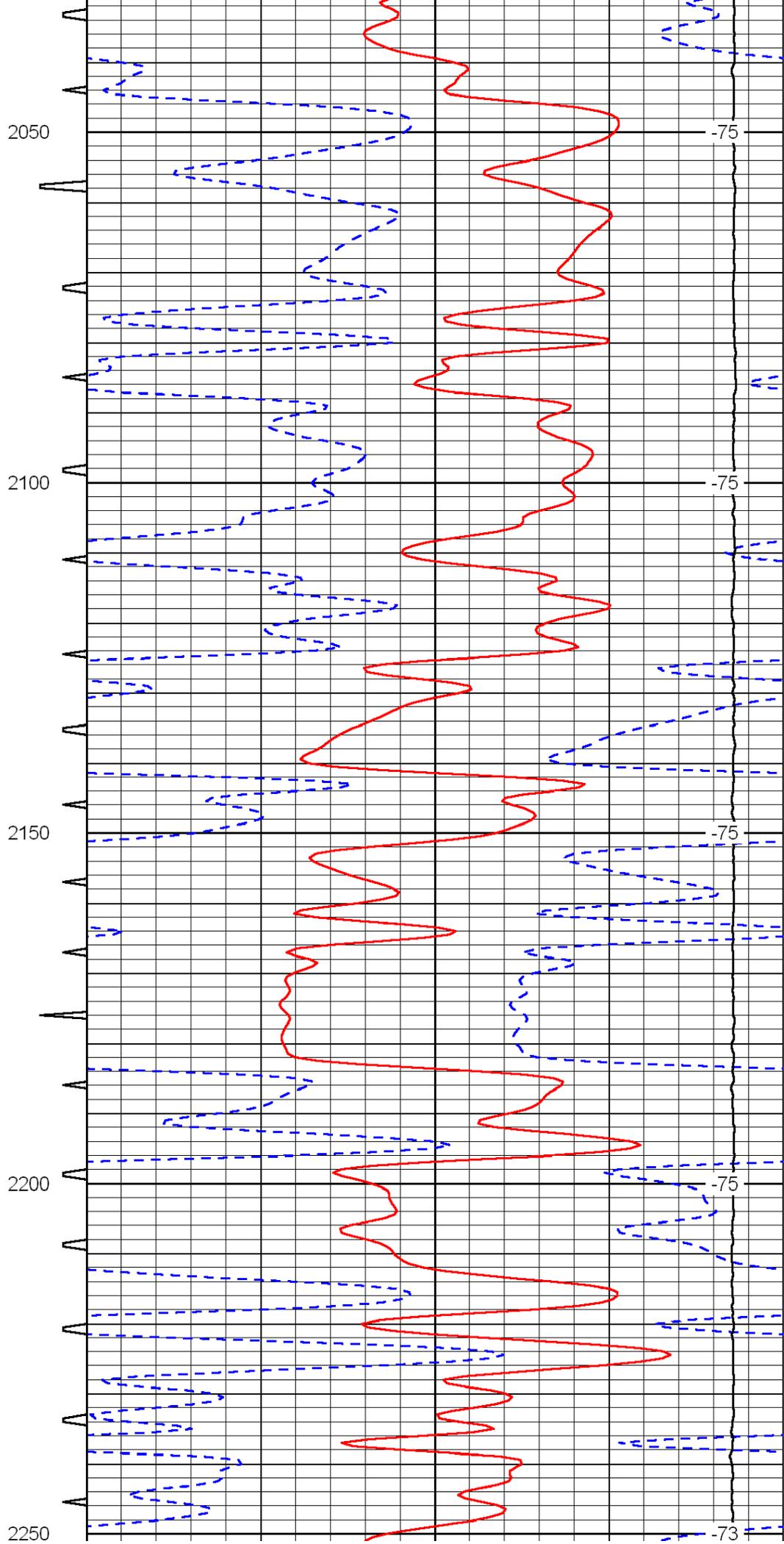
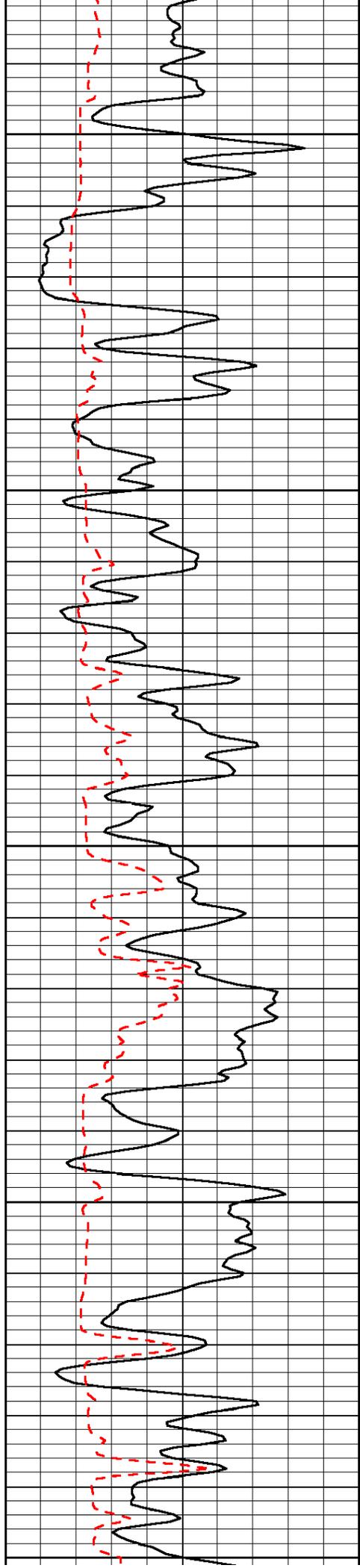


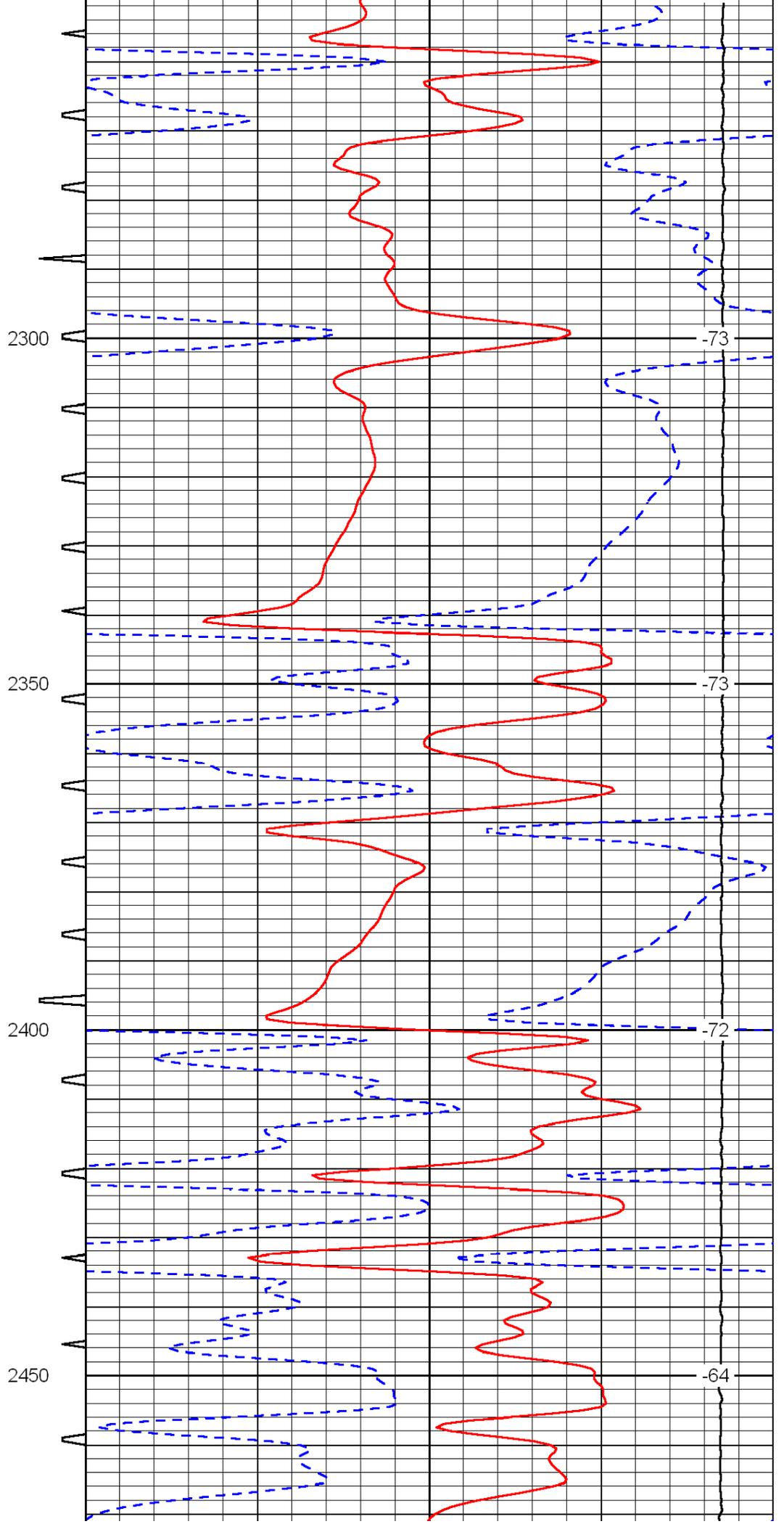
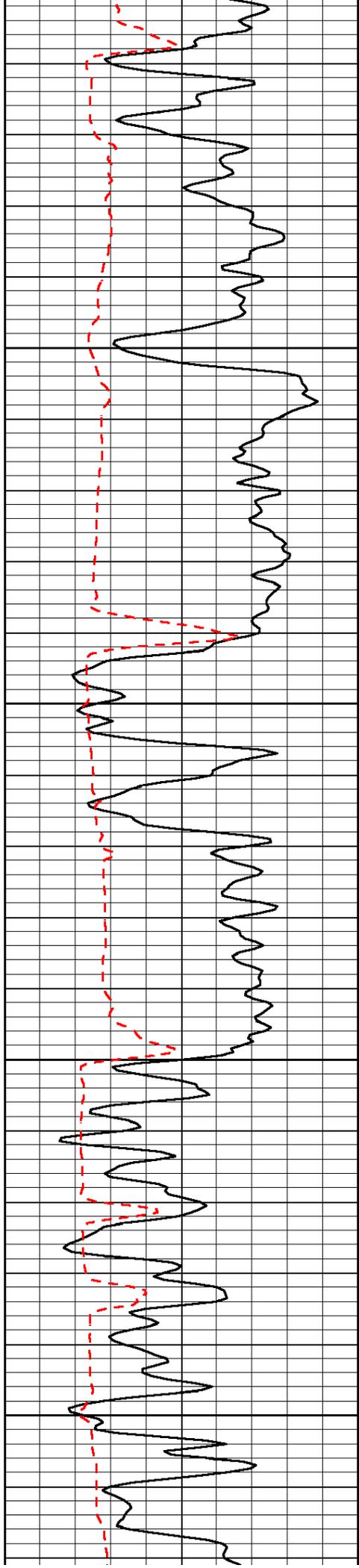


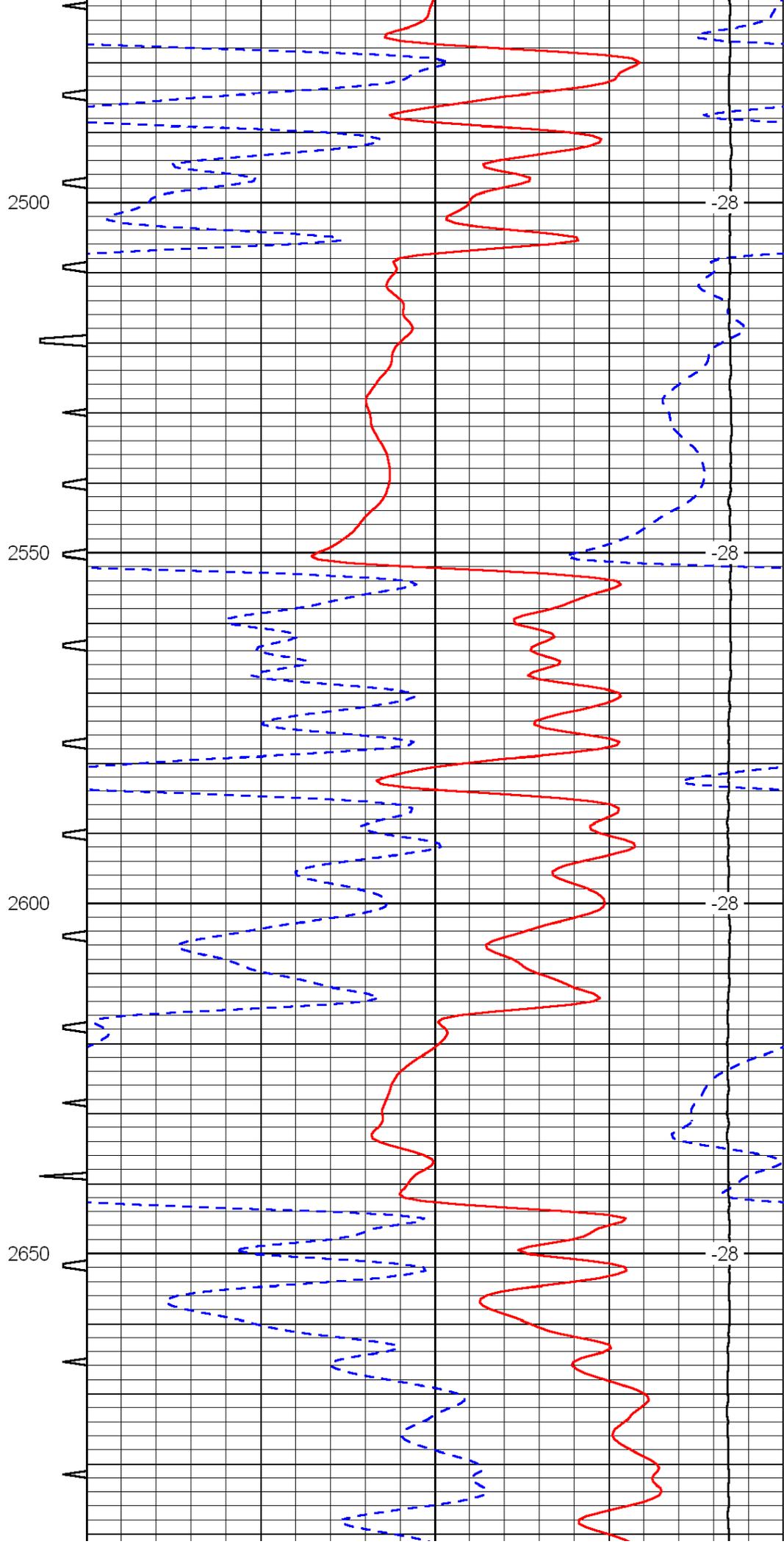
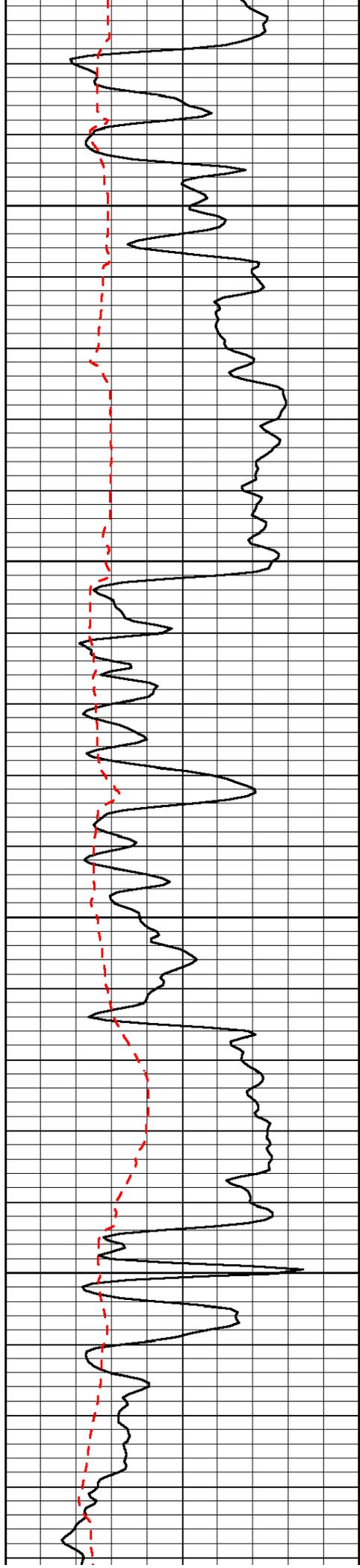


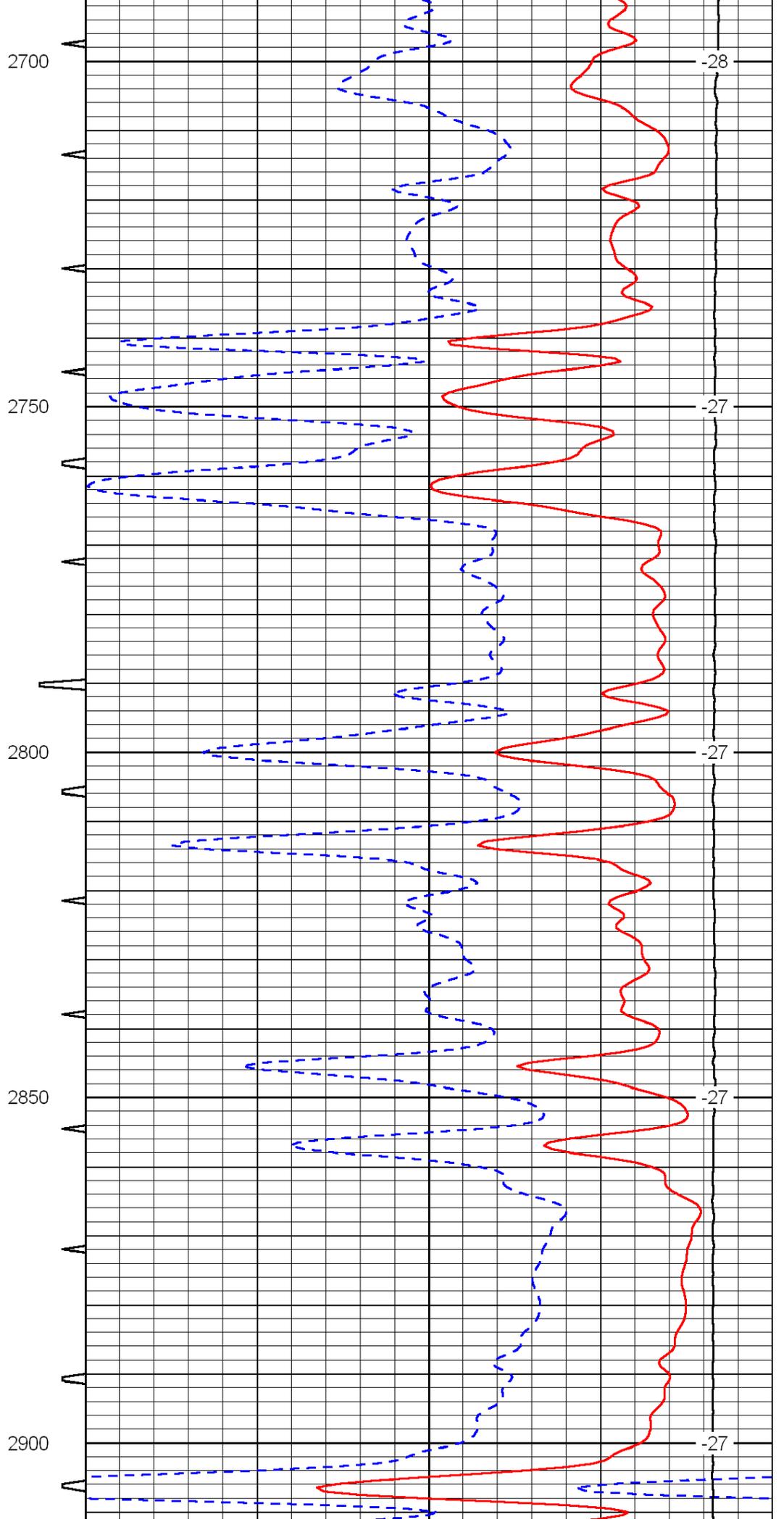
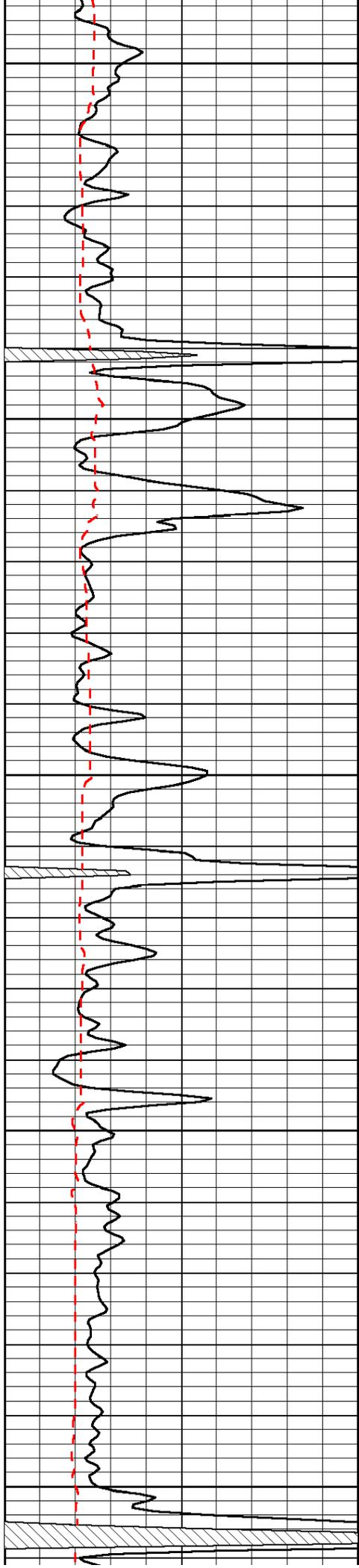


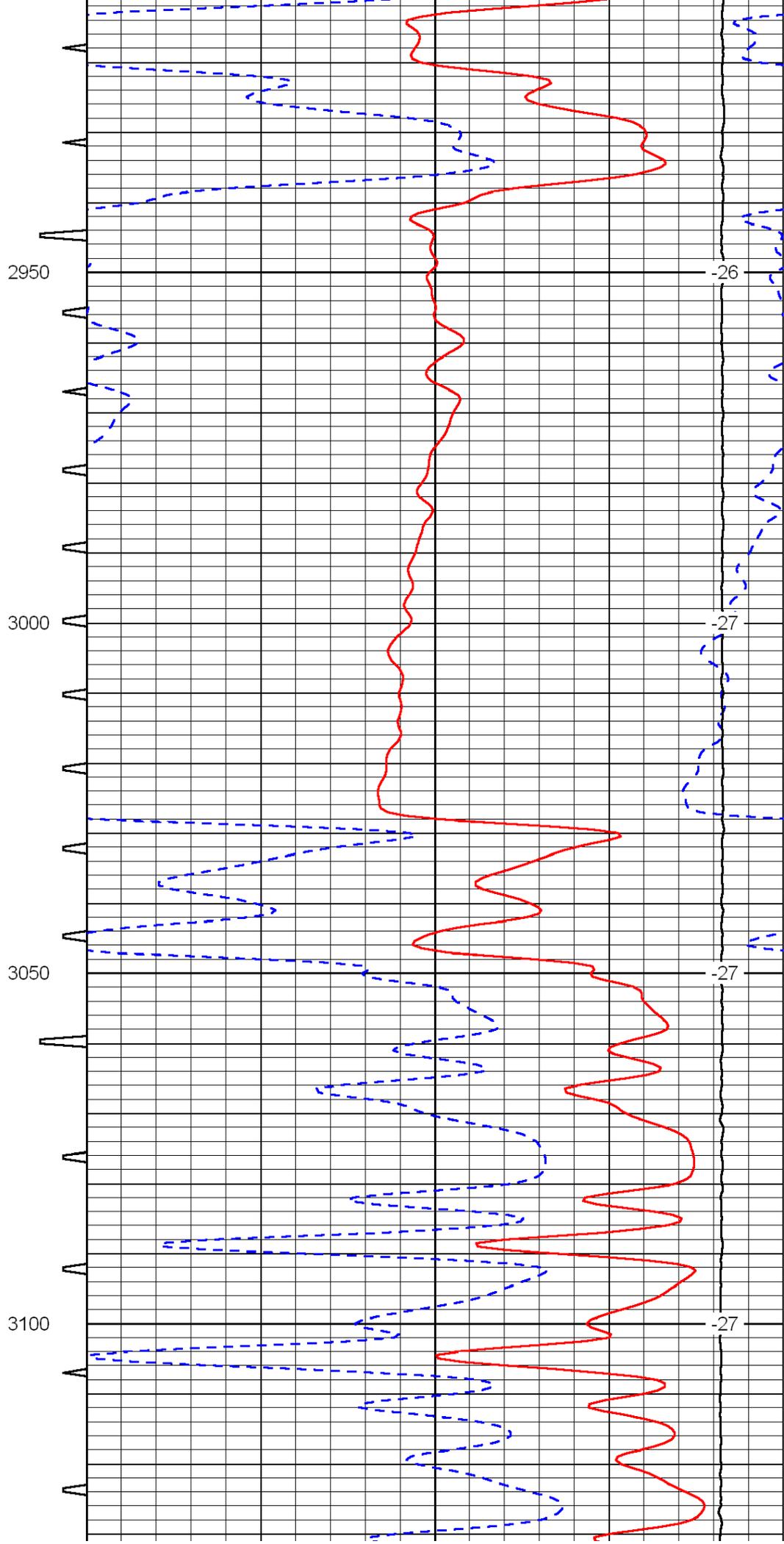
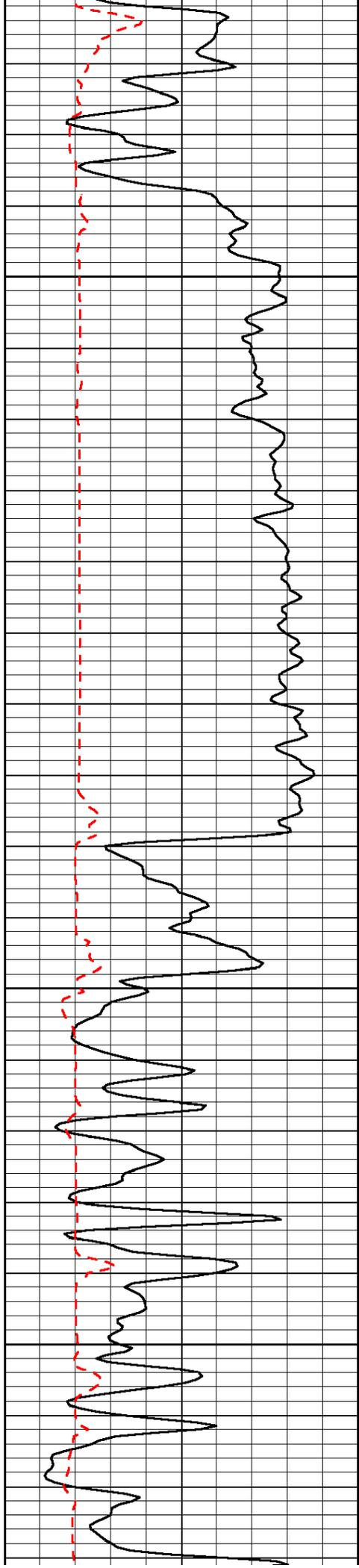


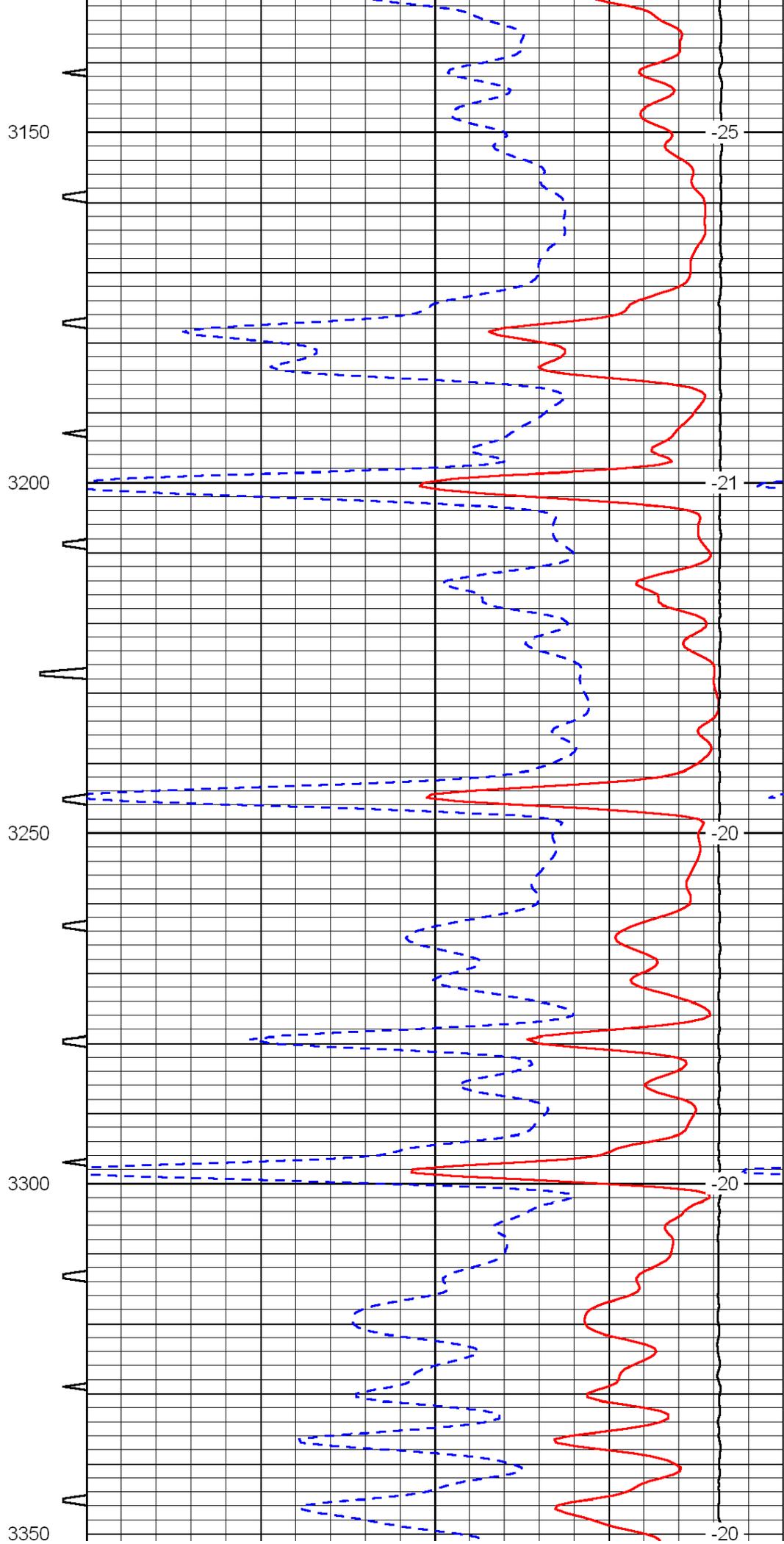
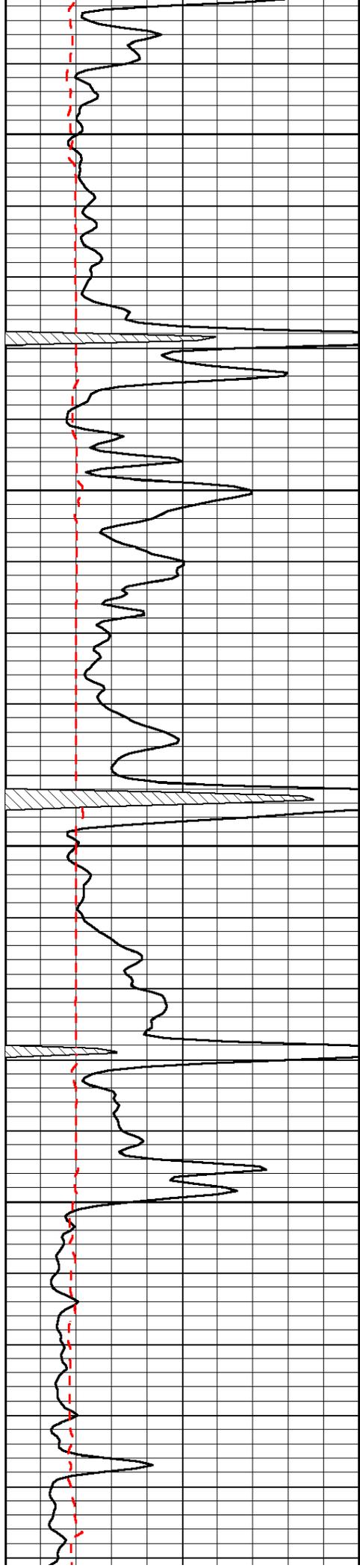


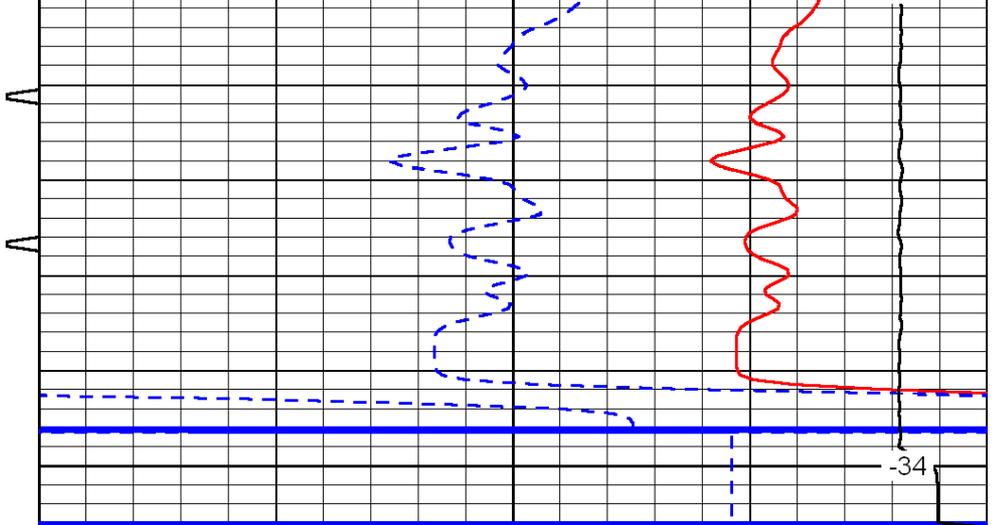
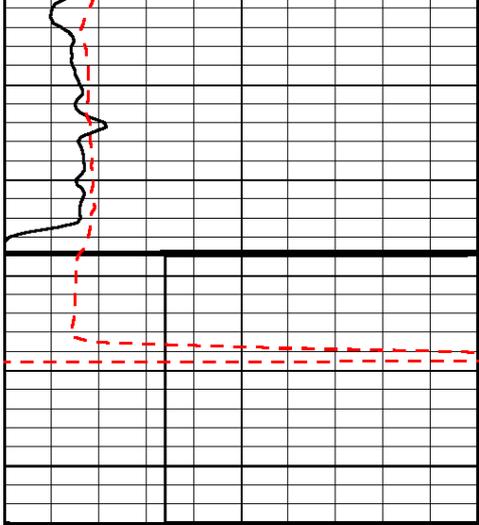












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