



Pioneer Energy Services

Borehole Compensated Sonic Log

154-159-22765-00-00

Company RJM Company
Well Hoelscher Farms #2
Field Bloomer
County Rice **State** Kansas
Location N2 SE SE NW
 2100' FNL / 2310' FWL
 Sec: 4 Twp: 18S Rge: 10W
Other Services
 CNL/CDL
 MEL/DIL
Elevation
 K.B. 1798
 D.F. 1789
 G.L. 1789

Permanent Datum Ground Level Elevation 1789
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date	2/28/2014	
Run Number	Two	
Type Log	BHC Sonic	
Depth Driller	3342	
Depth Logger	3340	
Bottom Logged Interval	3329	
Top Logged Interval	300	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	4000	
Density	9.0	
Level	Full	
Max. Rec. Temp. F	110	
Operating Rig Time	4 Hours	
Equipment -- Location	15 Days	
Recorded By	R. Barnhart	
Witnessed By	Clint Musgrove	

Borehole Record		Casing Record				
Run No.	Bit From	To	Size	Wgt.	From	To
One	12.25	00	333	8.625	23#	00
Two	7.875	333	TD			333

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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.

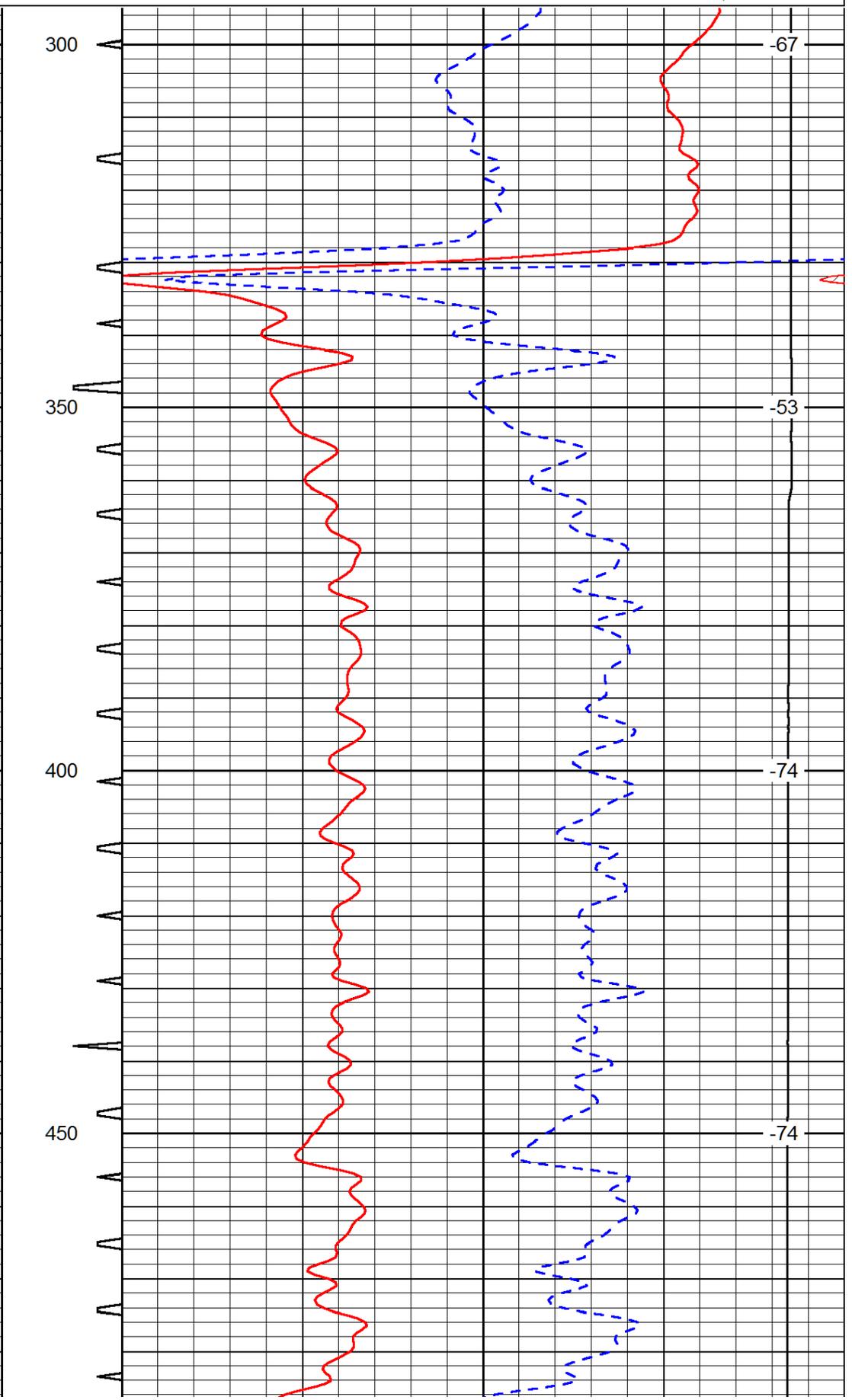
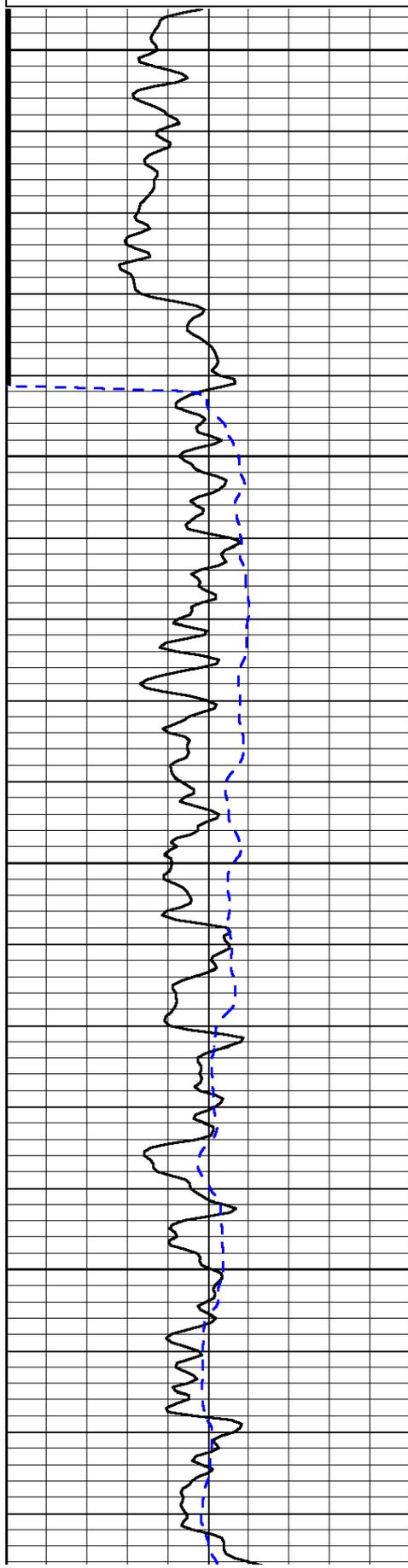
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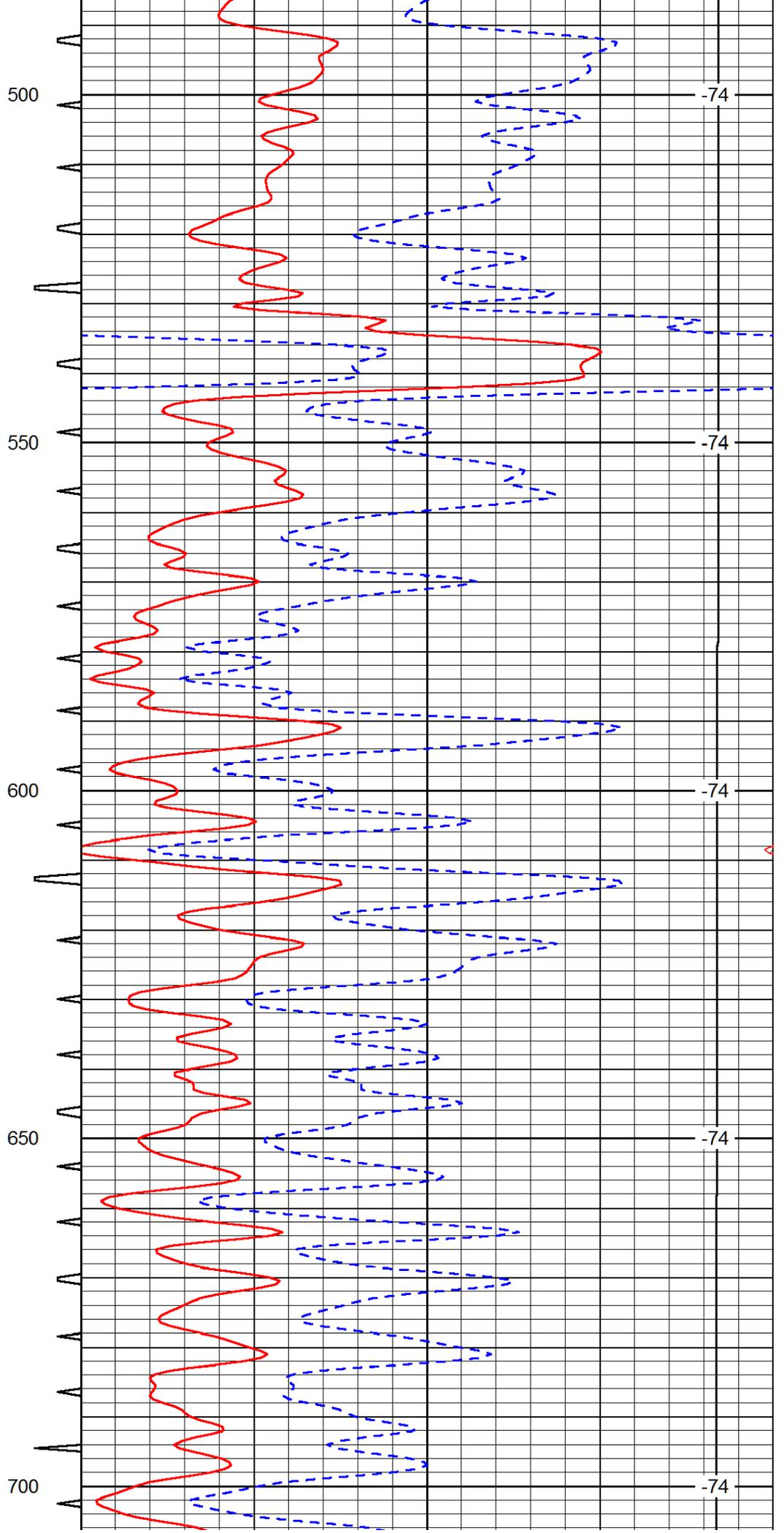
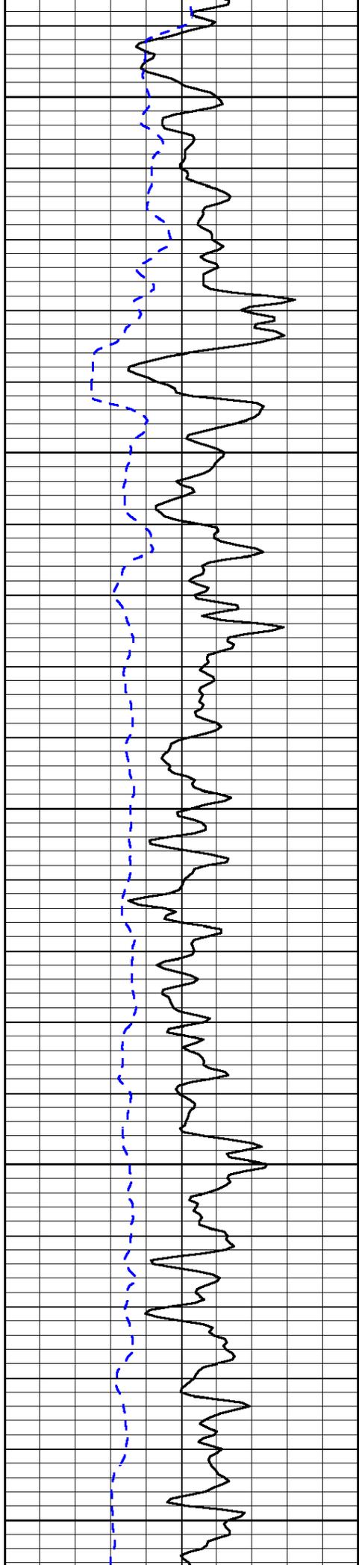
Thank you for using Log-Tech, Inc.
 (785) 625-3858

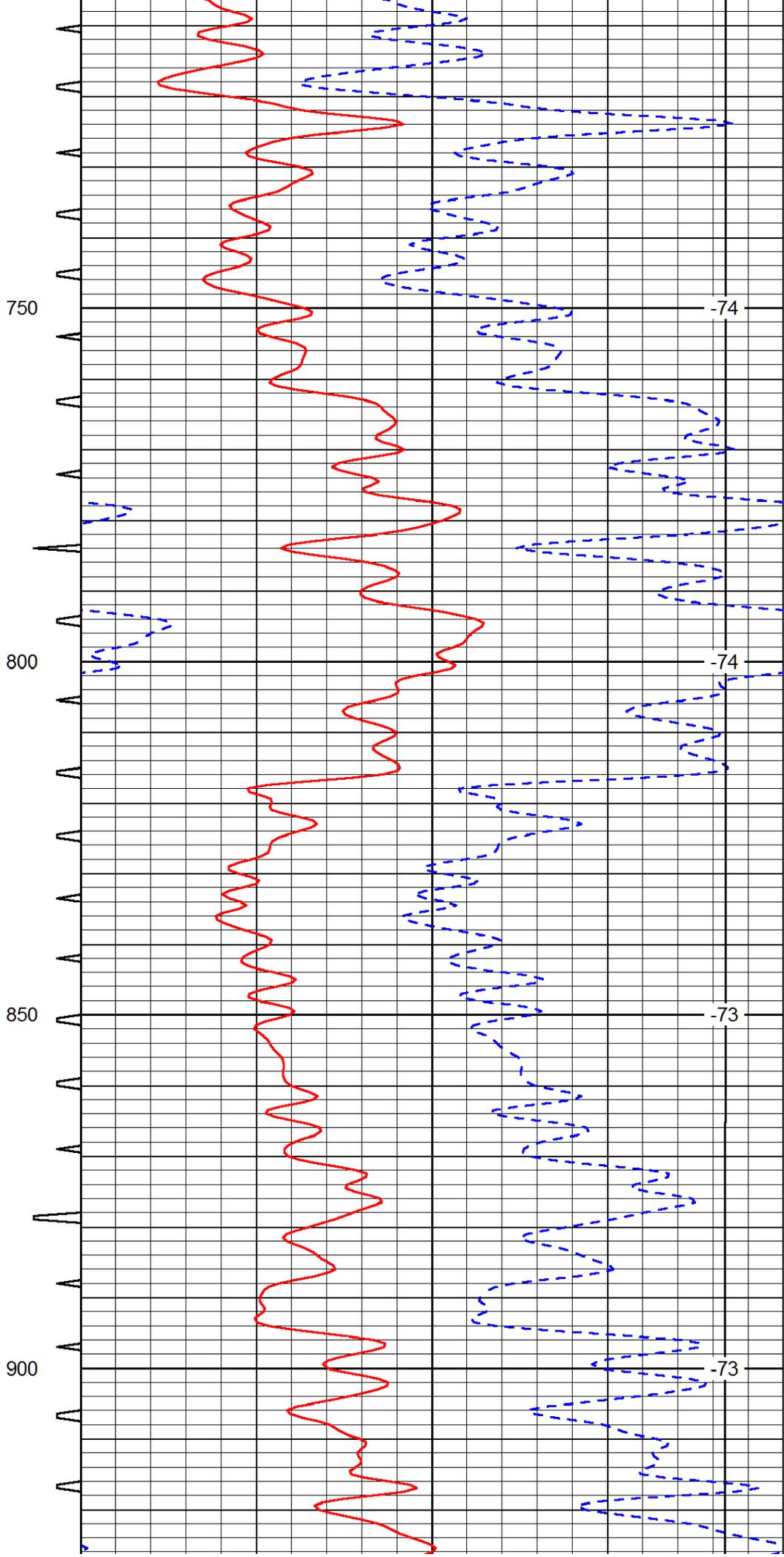
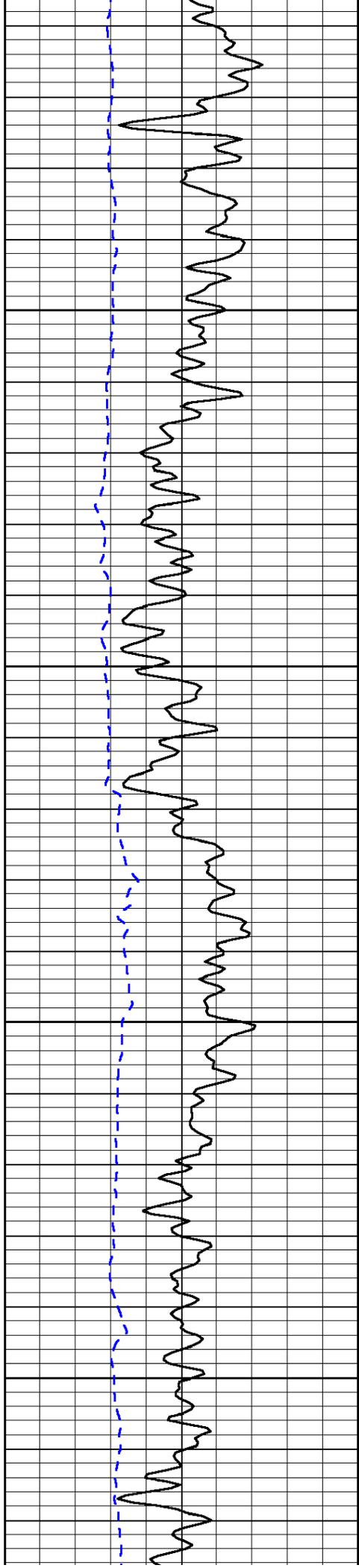
 Claflin, KS:
 4 1/2E, 1/2S, E into

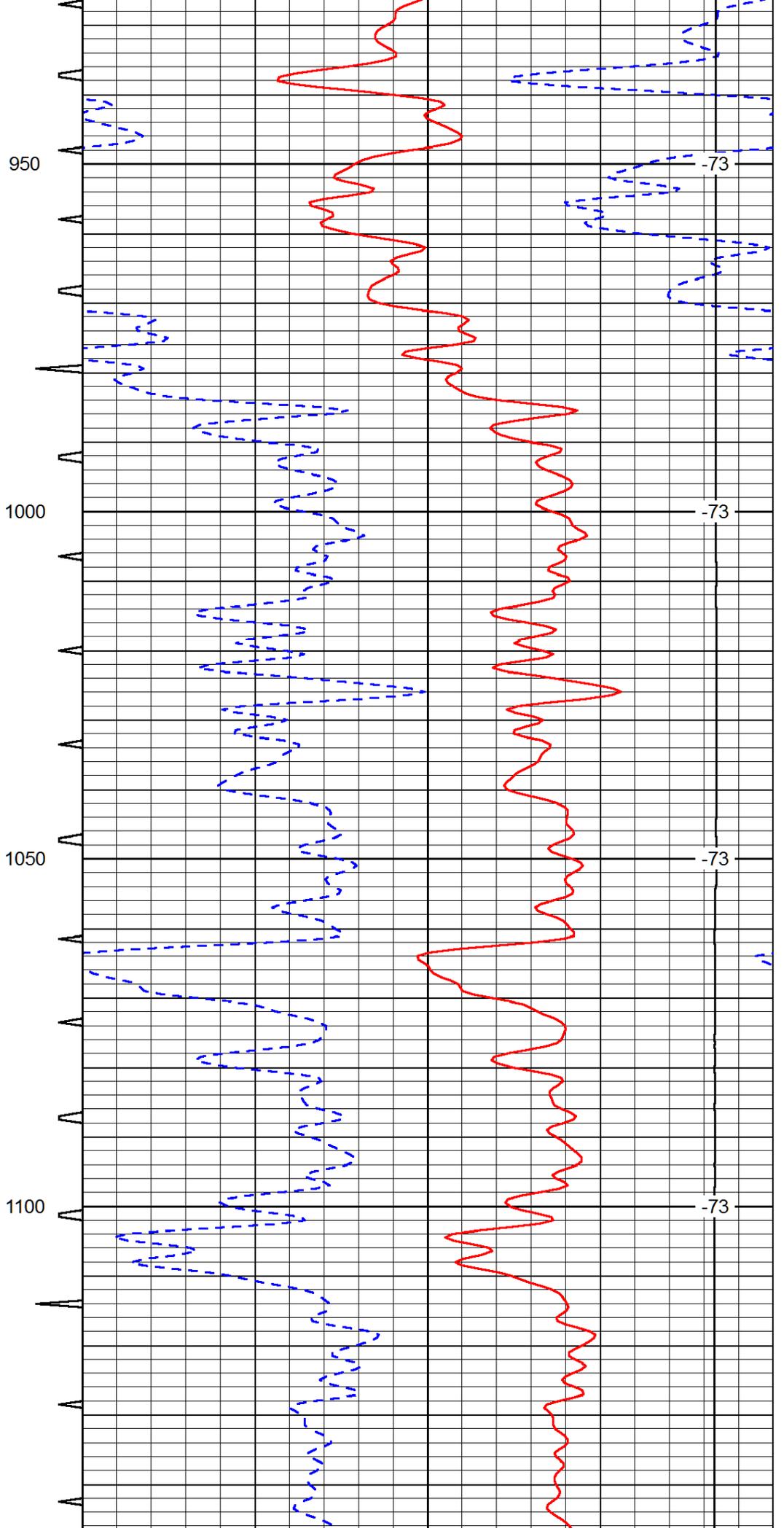
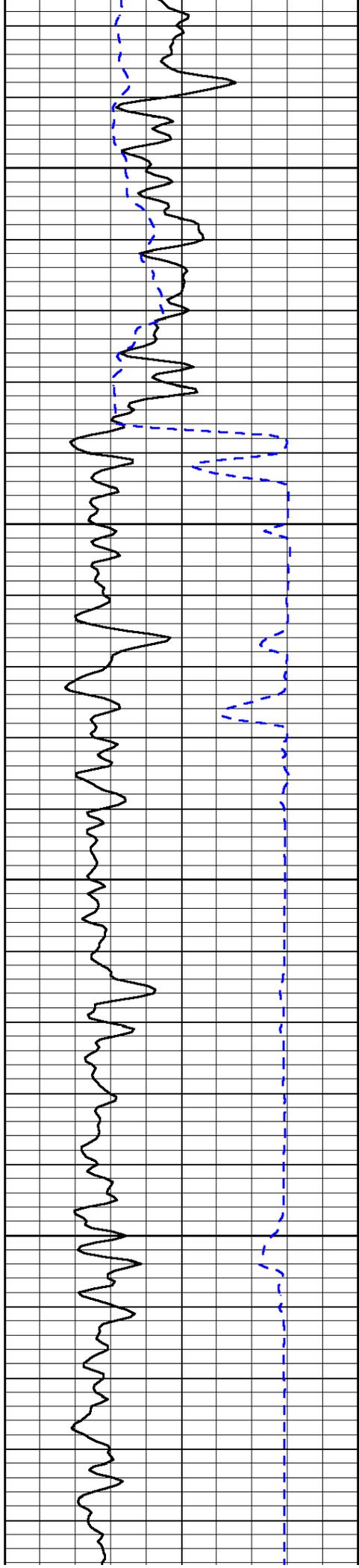
Database File: rjm_hohd.db
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 Presentation Format: sonic
 Dataset Creation: Fri Feb 28 04:34:58 2014
 Charted by: Depth in Feet scaled 1:240

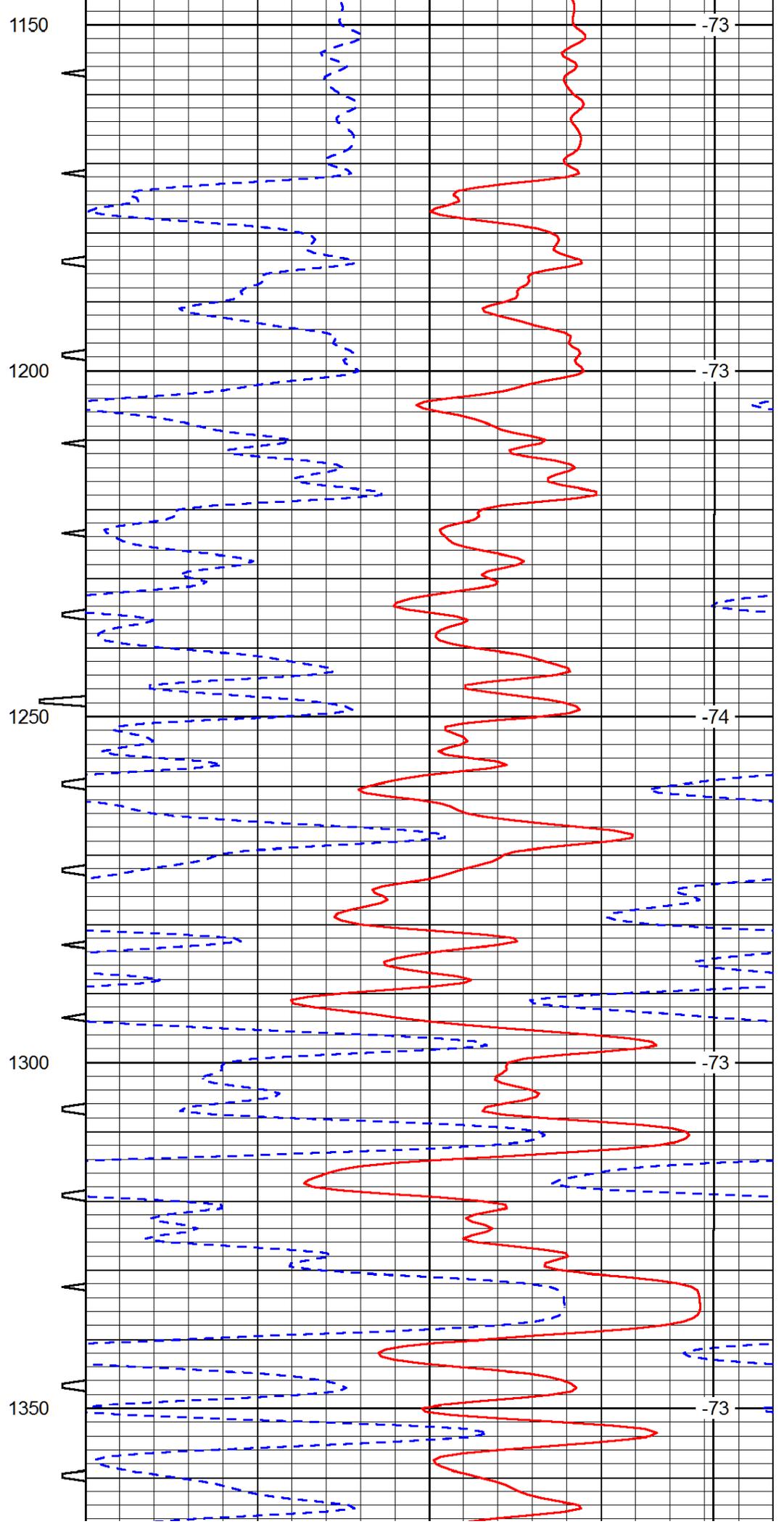
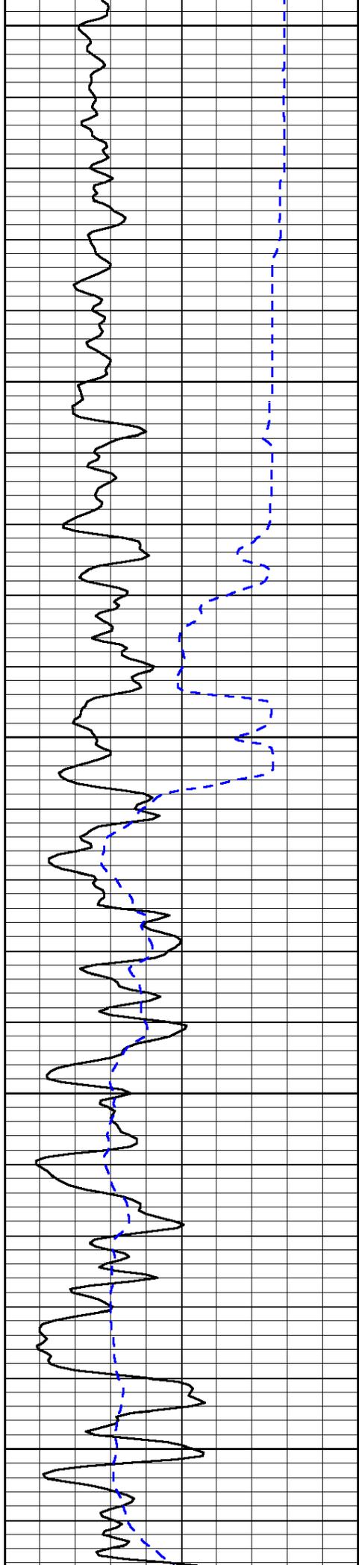
0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	Gamma Ray (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu)	-10
6	dCAL (in)	16		15000	LTEN (lb) (lb)	0
						LSPD (ft/min)

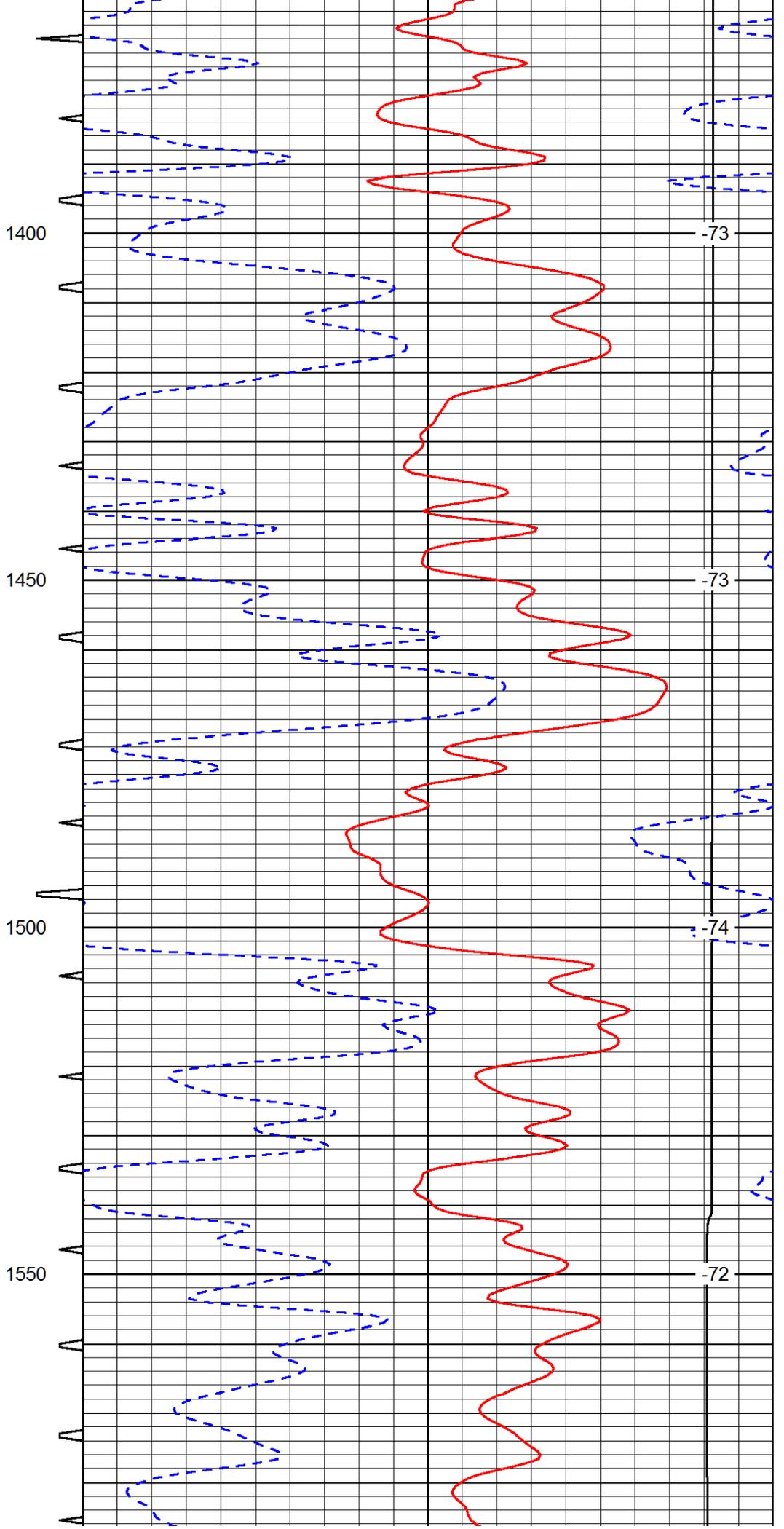
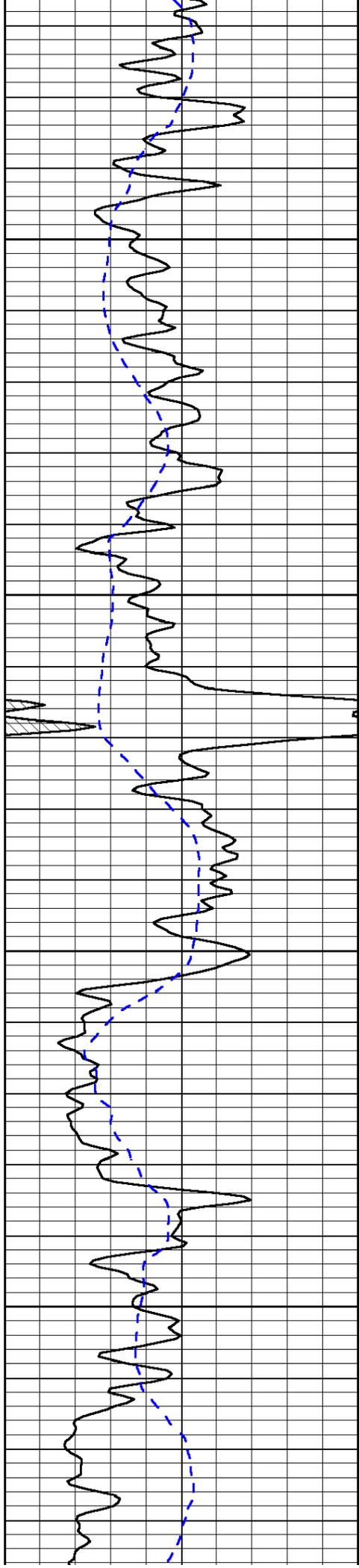


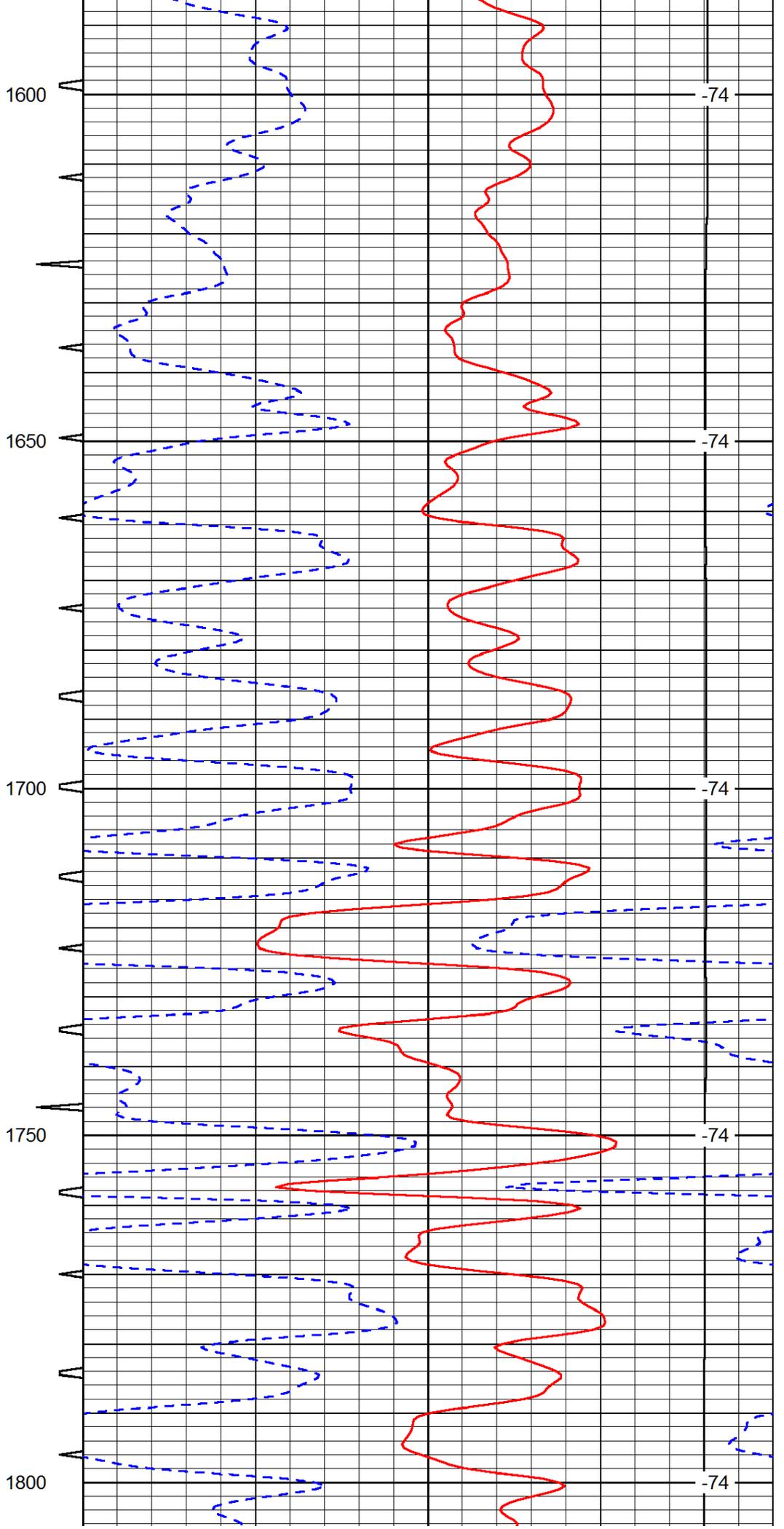
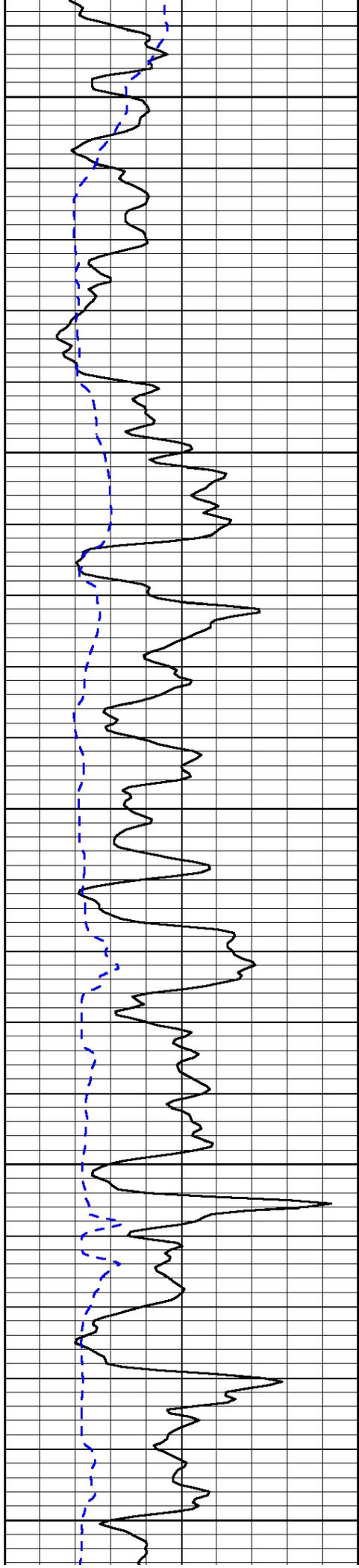


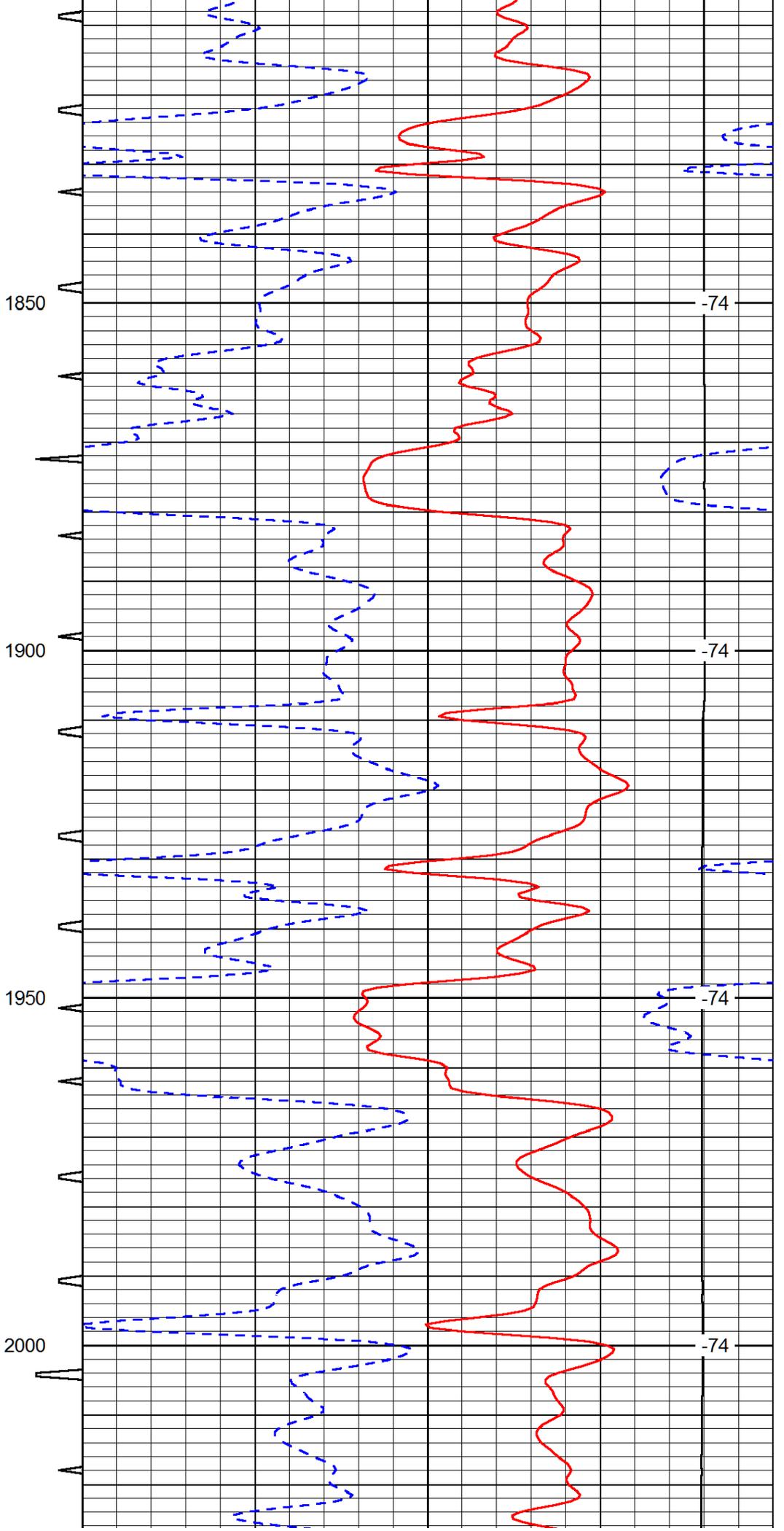
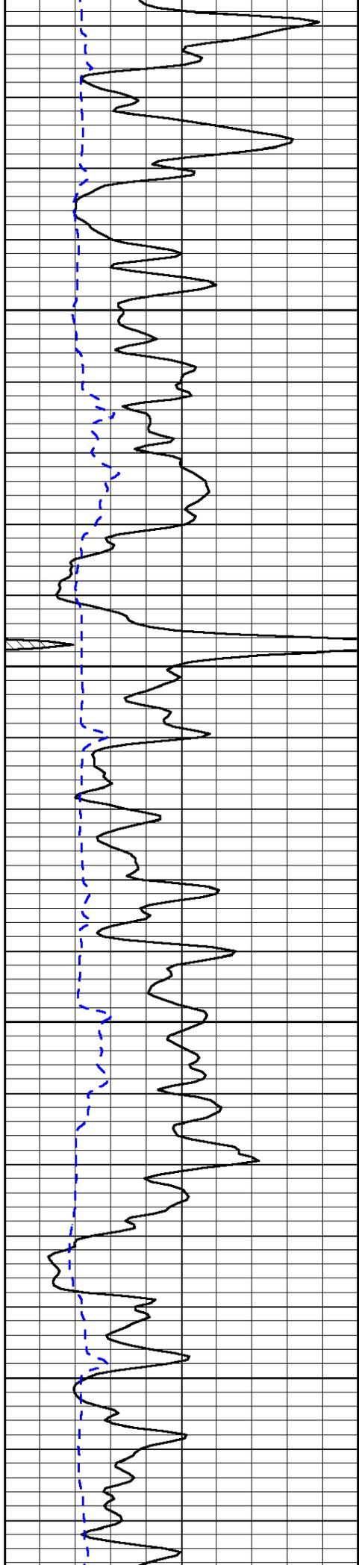


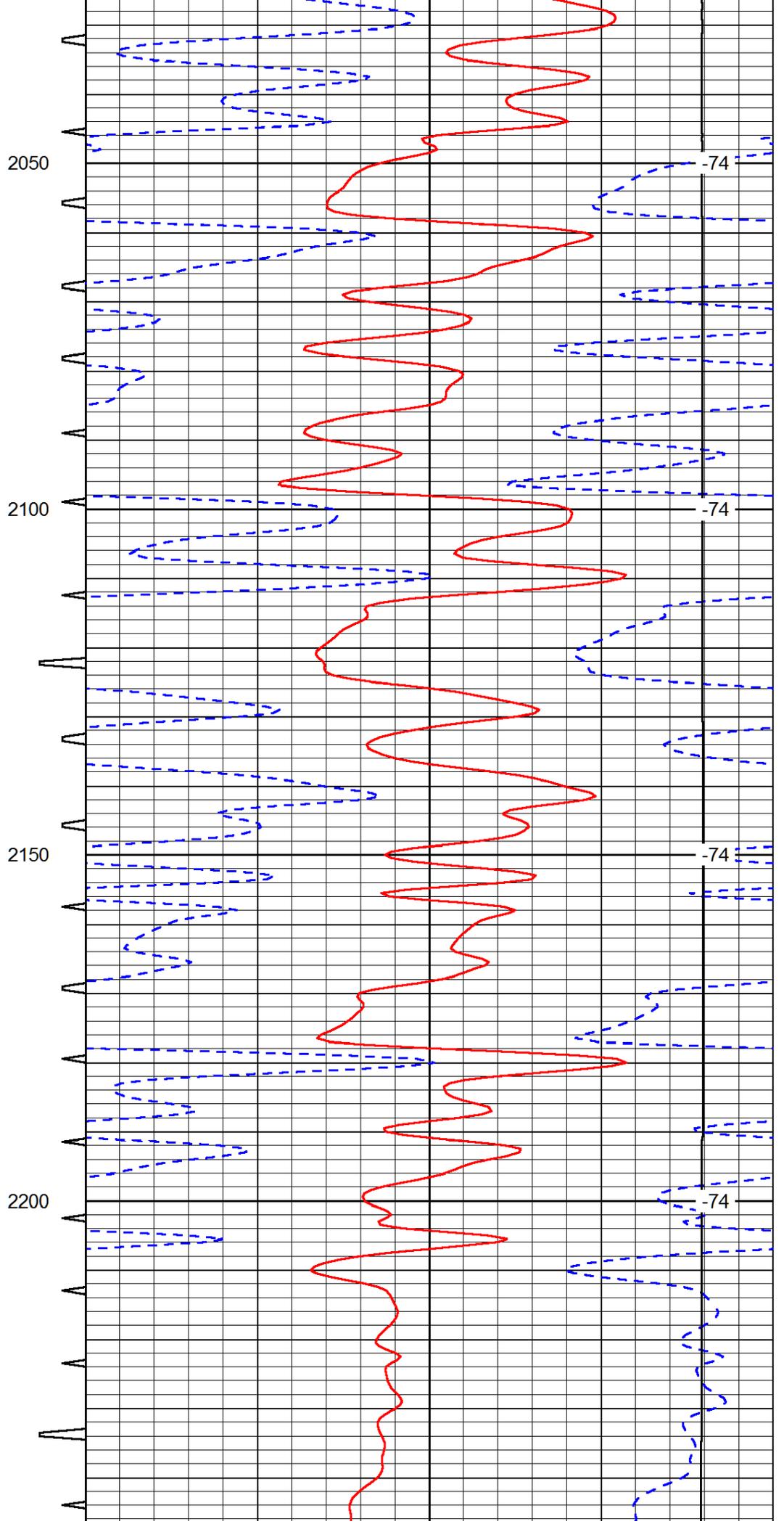
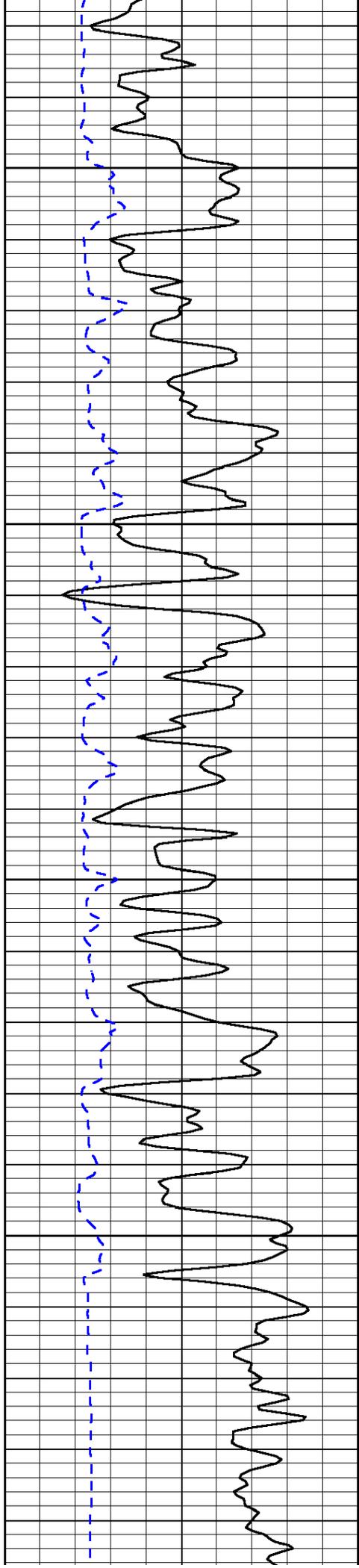


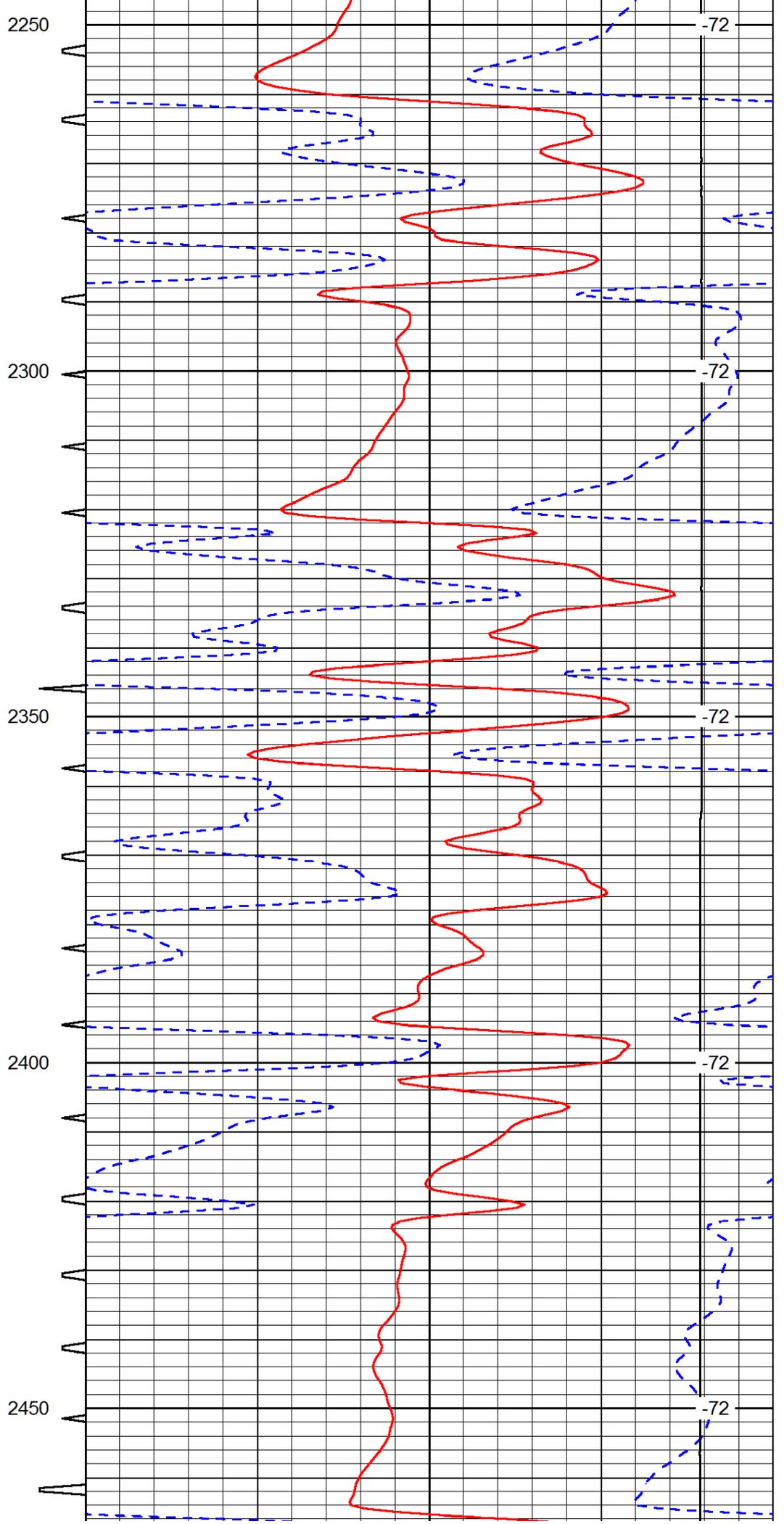
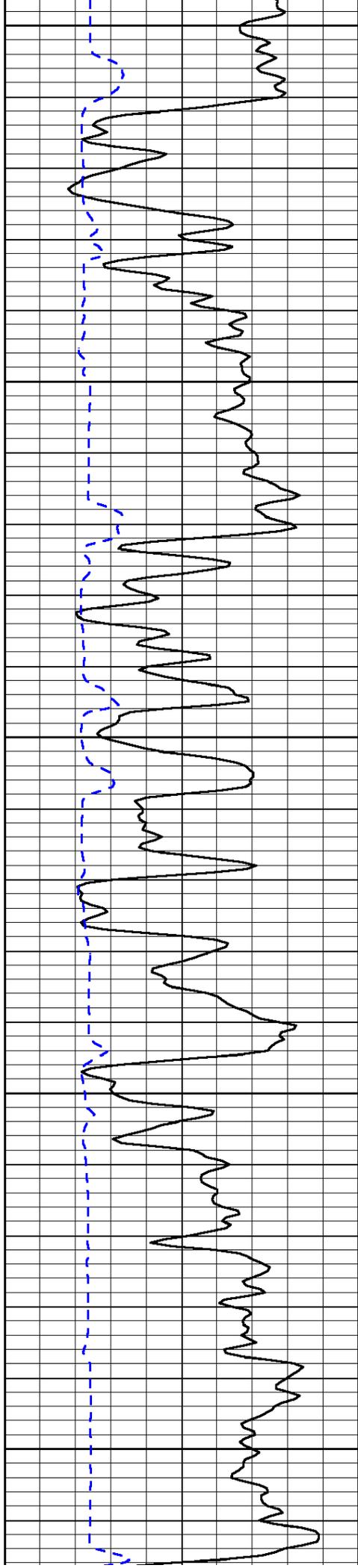


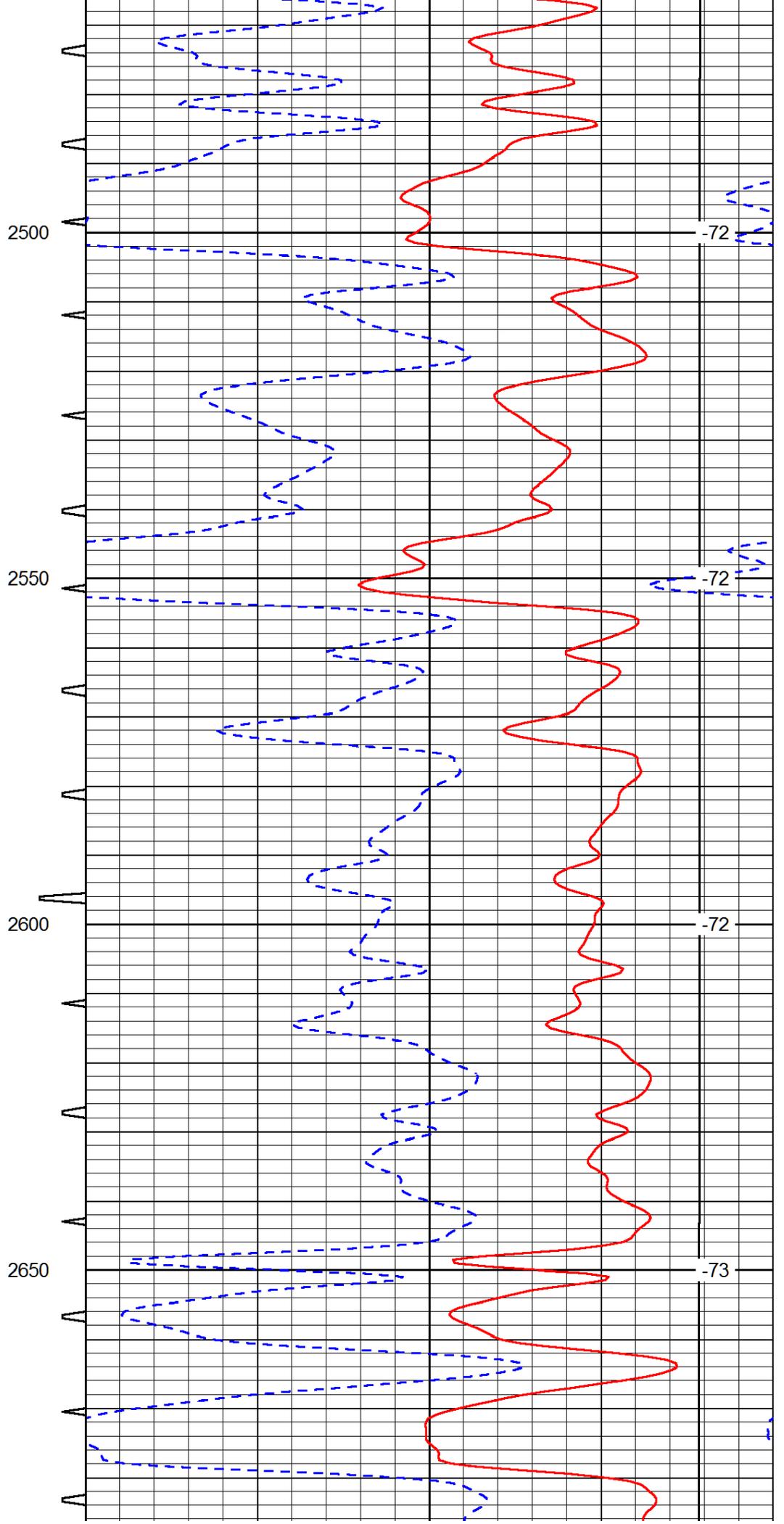
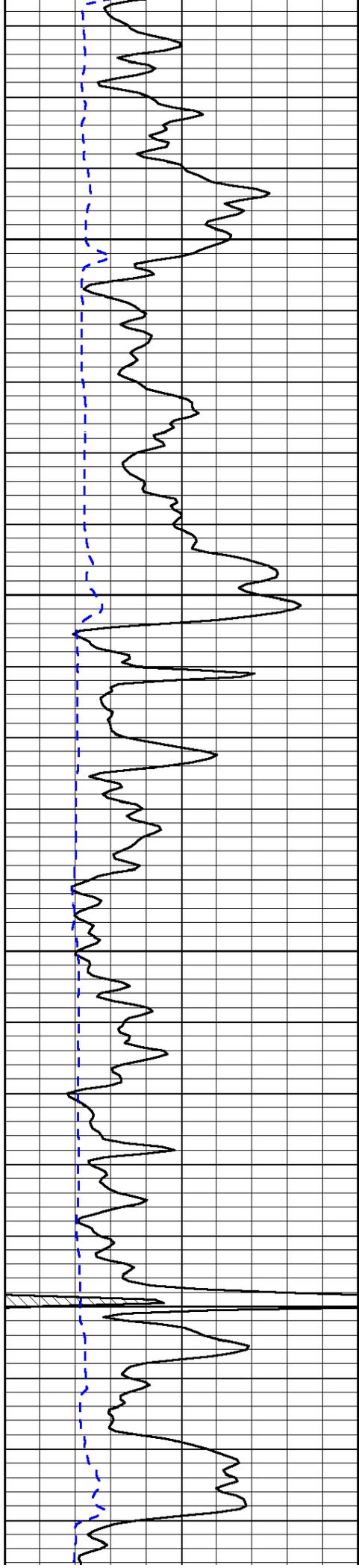


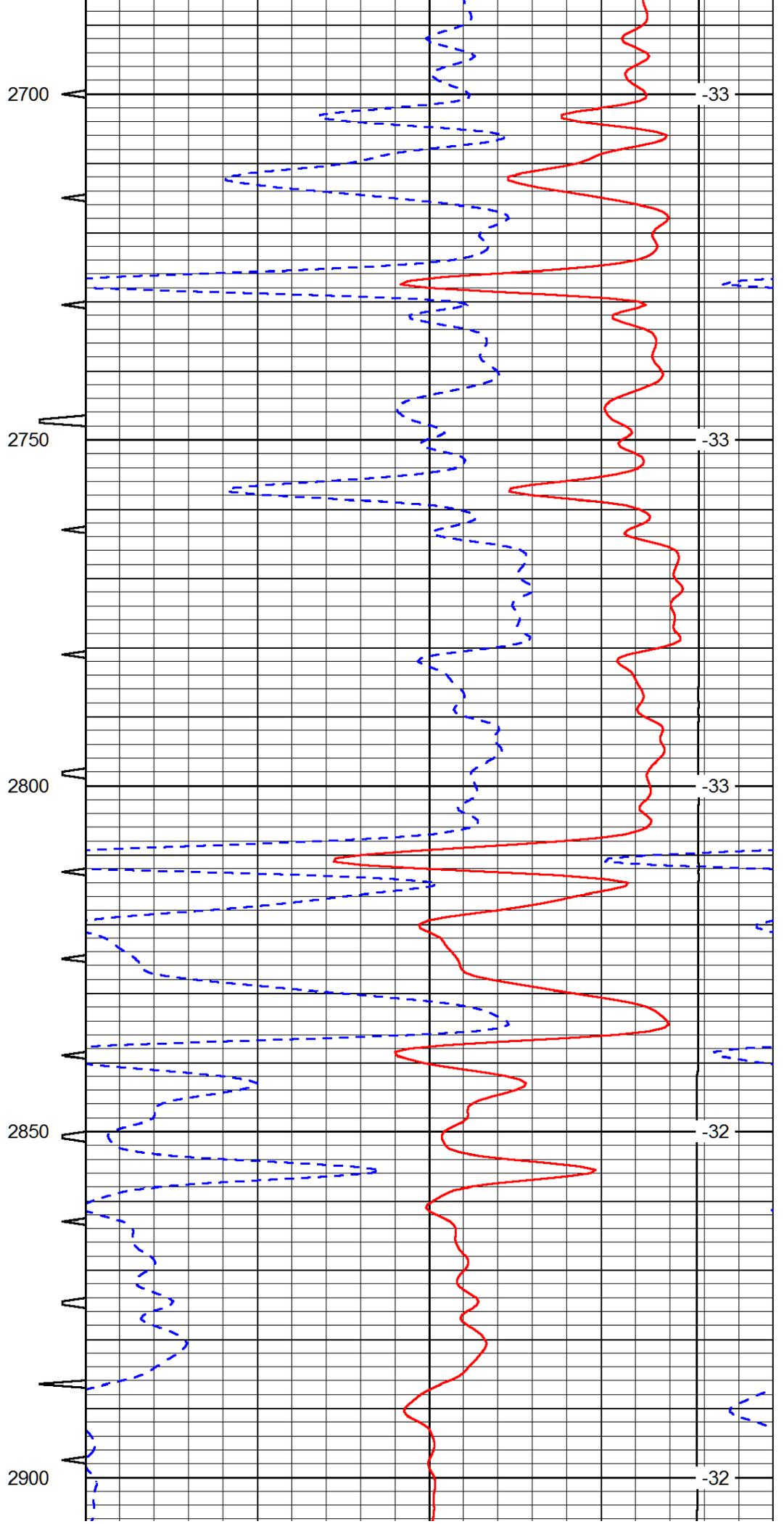
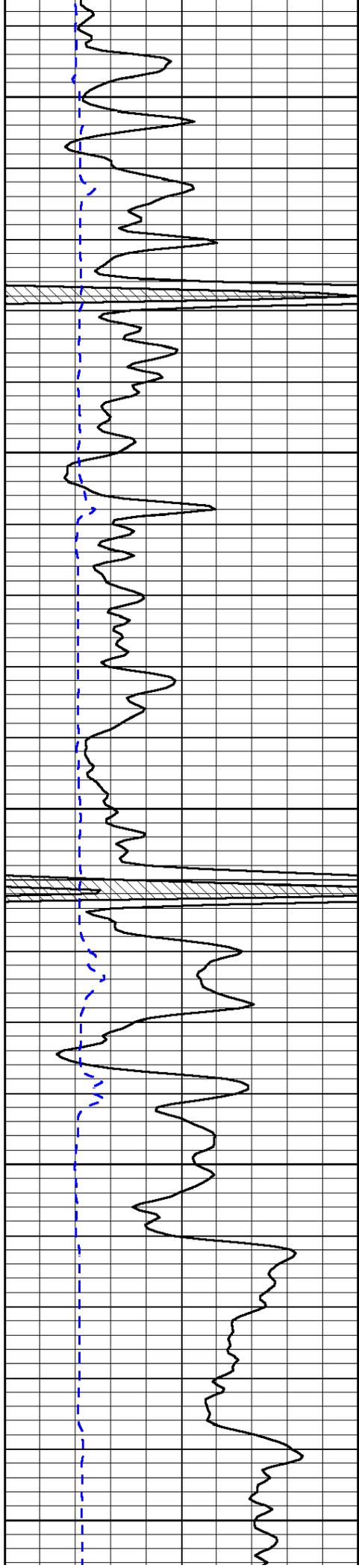


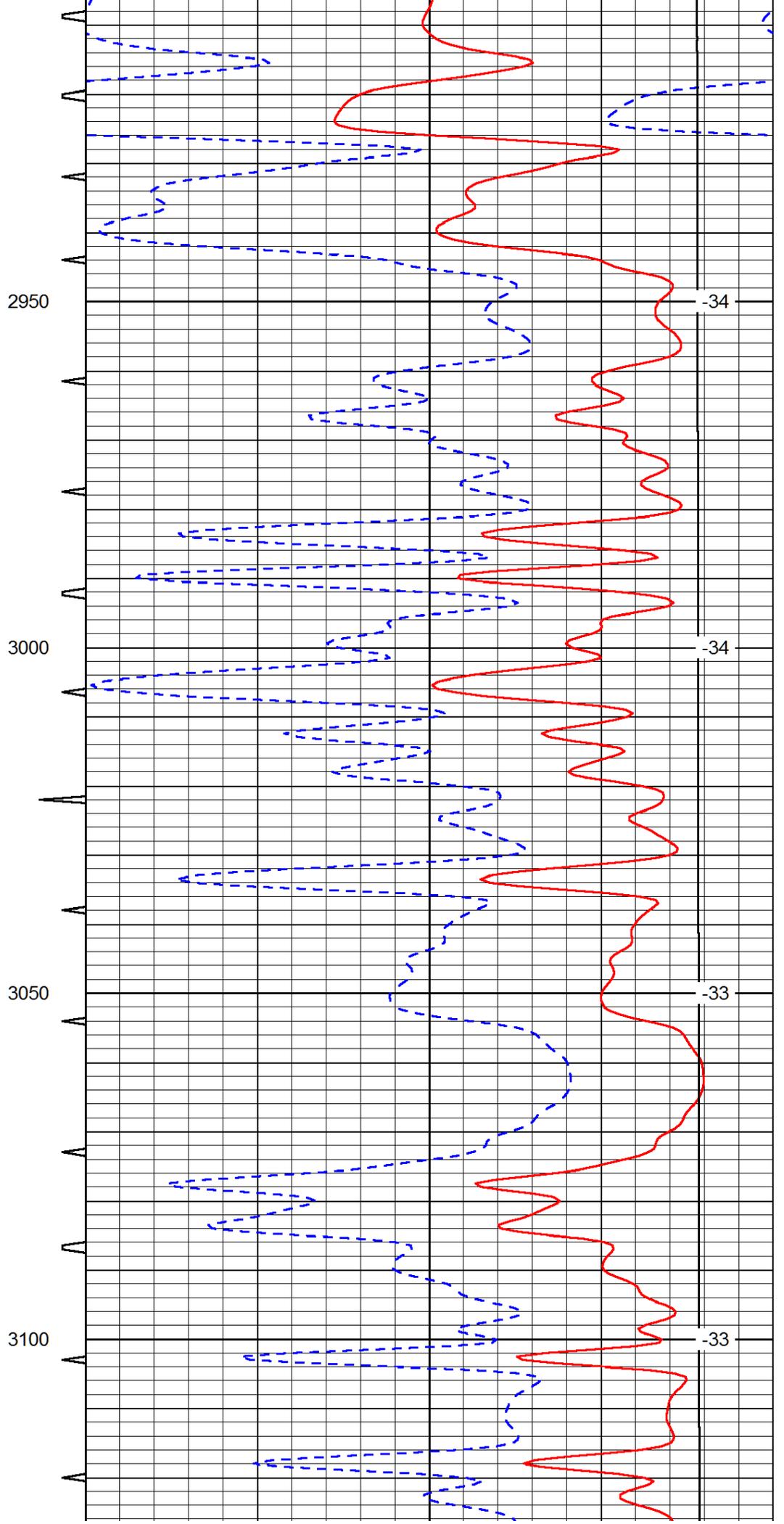
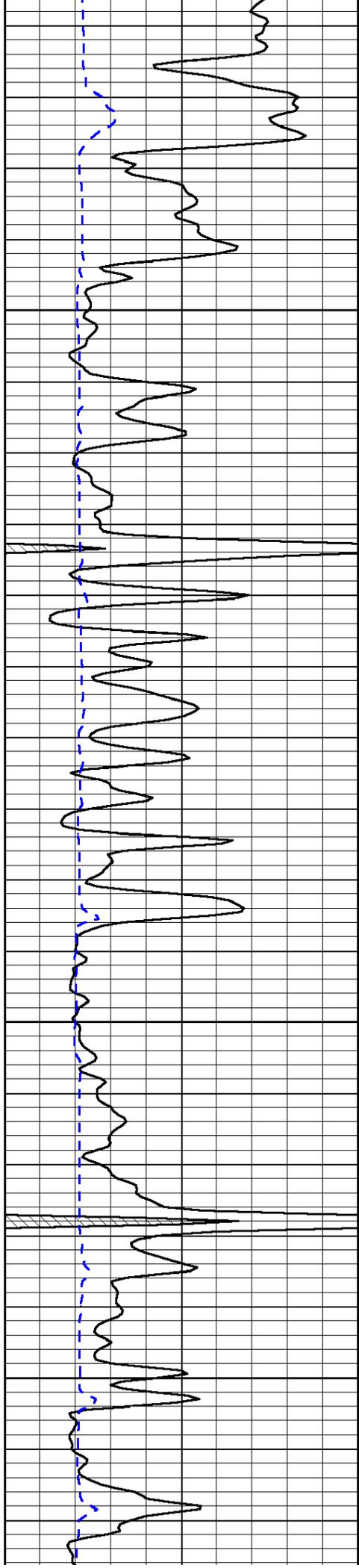


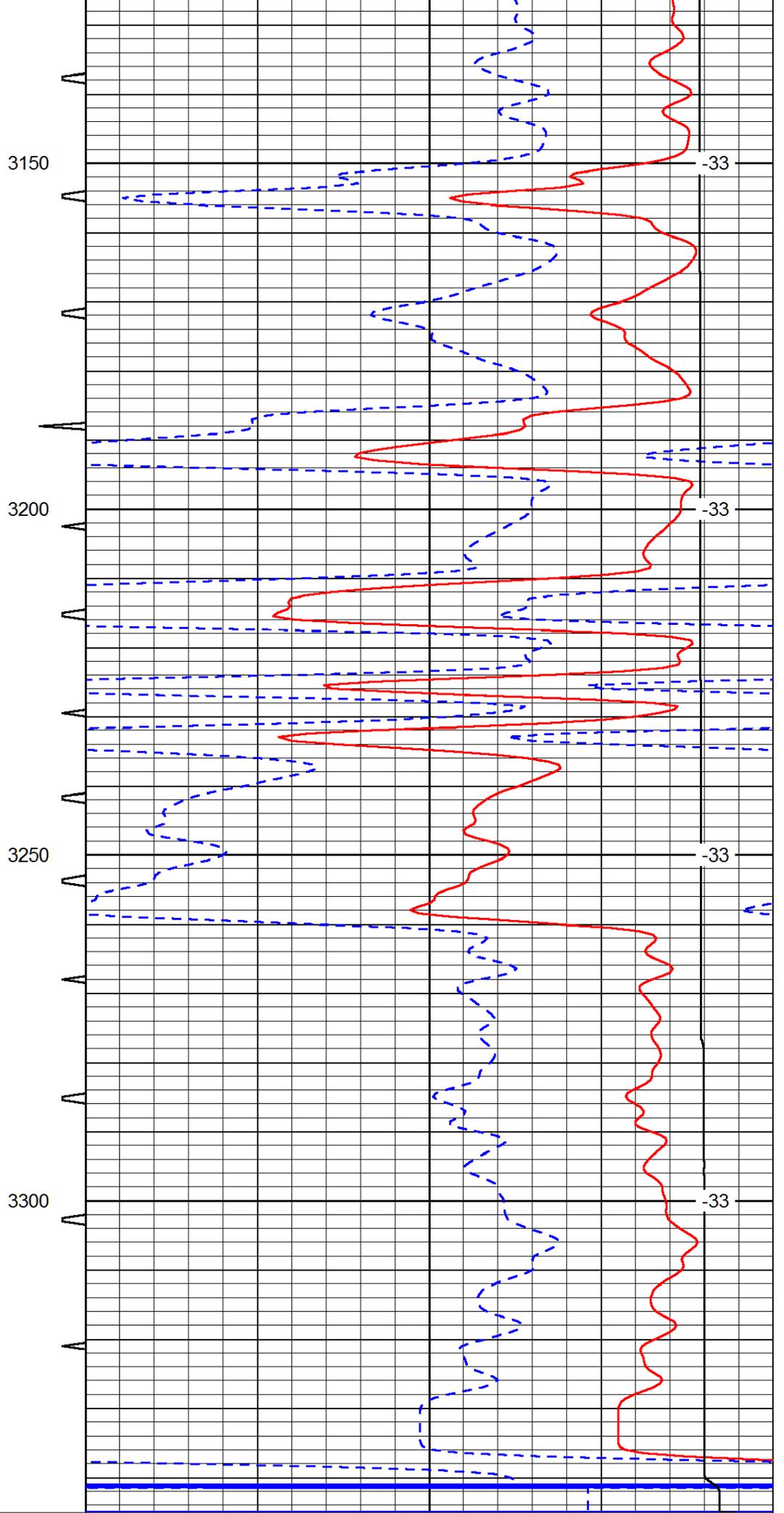
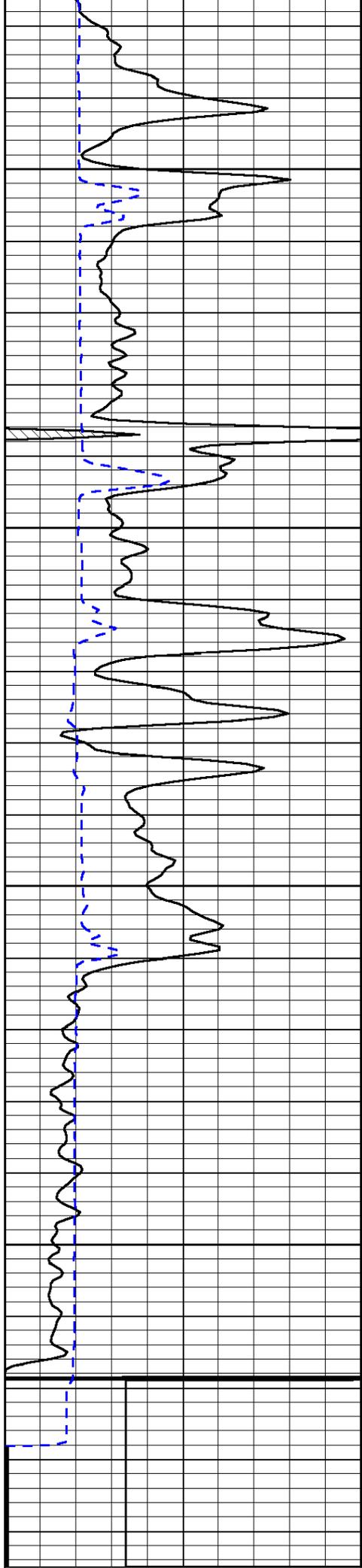












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