



Borehole Compensated Sonic Log

DIGITAL LOG (785) 625-3858

API No.

15-009-25,624-00-00

Company Hupfer Operating, Inc.

Well Bitter 'B' No. 3

Field Trapp
County Barton State Kansas

Location NW NE NW
330' FNL & 1510' FWL

Sec: 5 Twp: 16 S Rge: 13 W

Other Services
RAG

Permanent Datum Ground Level Elevation 1886

Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum

K.B. 1894
D.F. 1886
G.L. 1886

Date 12/8/2011

Run Number Two

Type Log BHC Sonic

Depth Driller 3390

Depth Logger 3390

Bottom Logged Interval 3379

Top Logged Interval 450

Type Fluid In Hole Chemical

Salinity, PPM CL 4,600

Density 9.2

Level Full

Max. Rec. Temp. F 112

Operating Rig Time 4 Hours

Equipment -- Location 91 Hays

Recorded By K. Bange

Witnessed By Jim Musgrove

Borehole Record

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	454	8.625	23#	00	454
Two	7.875	454	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.

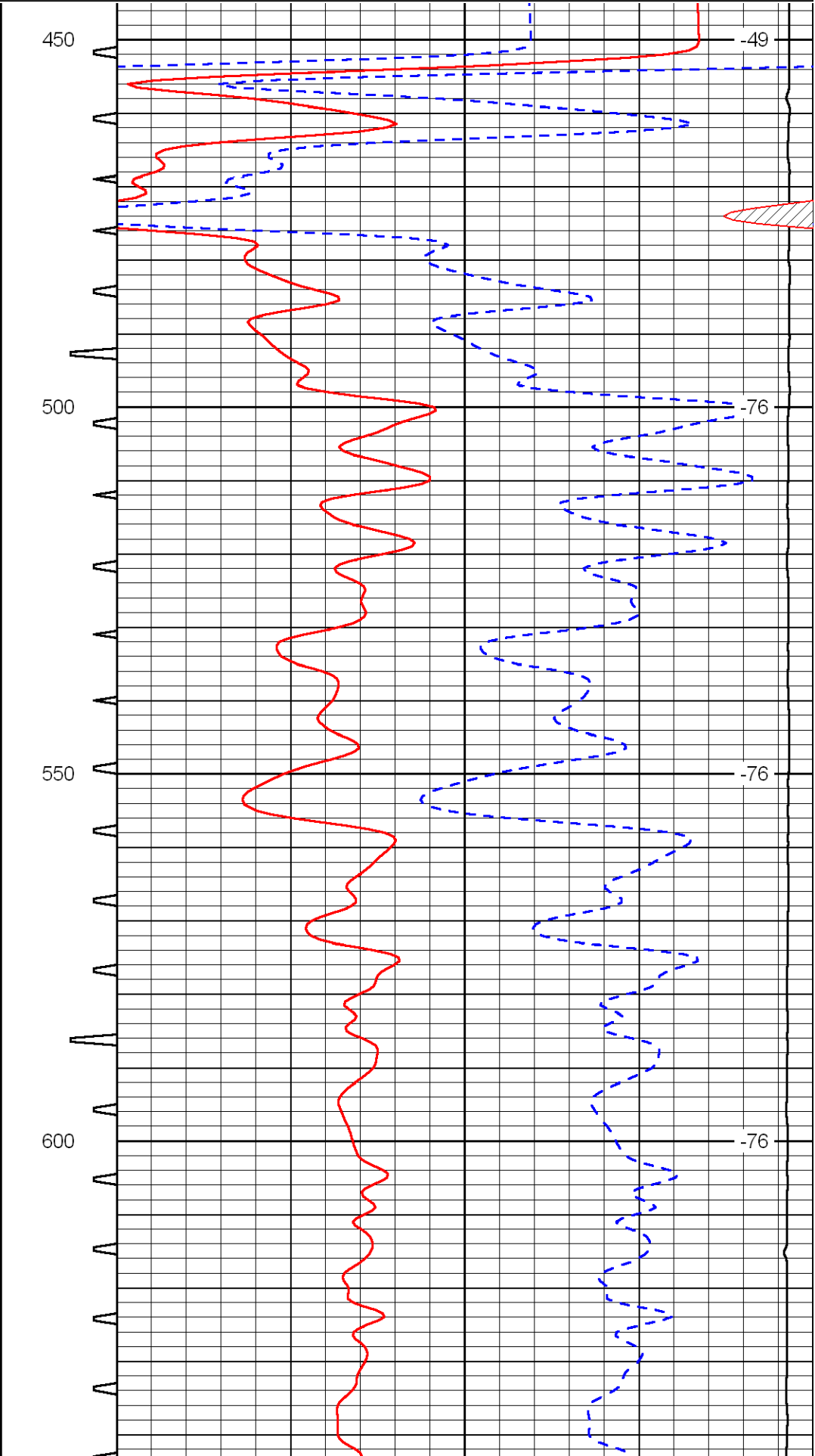
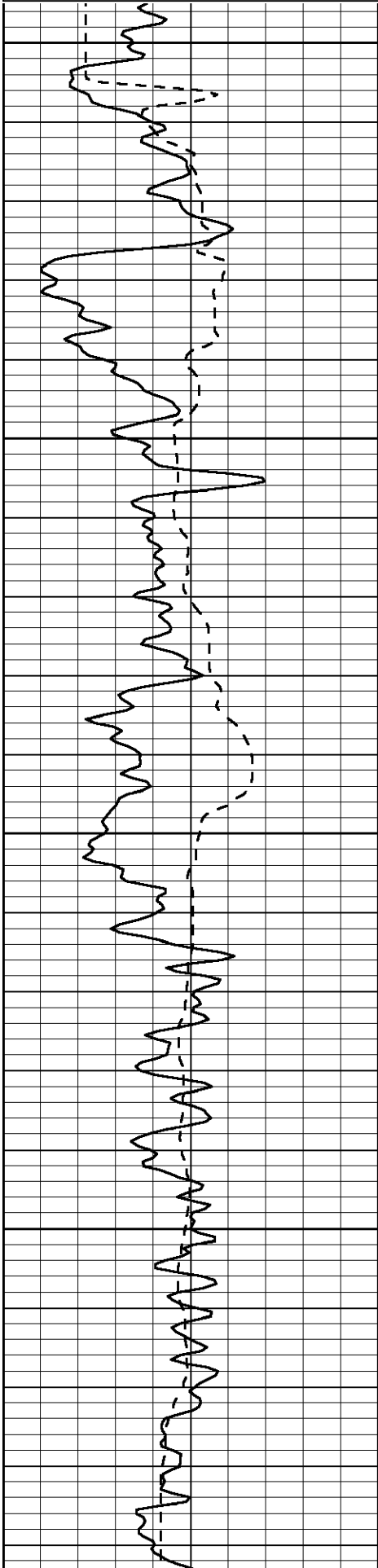
Comments

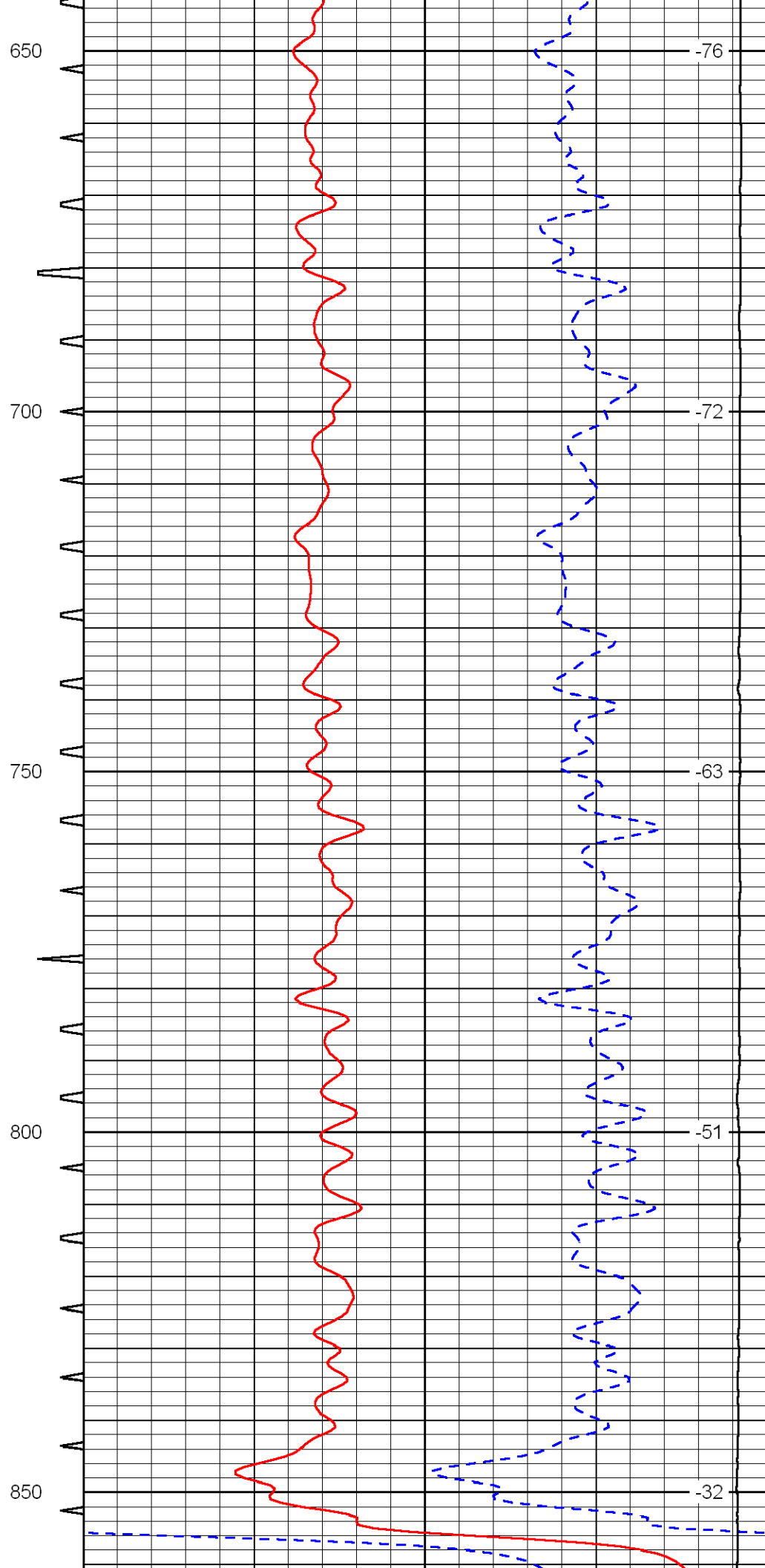
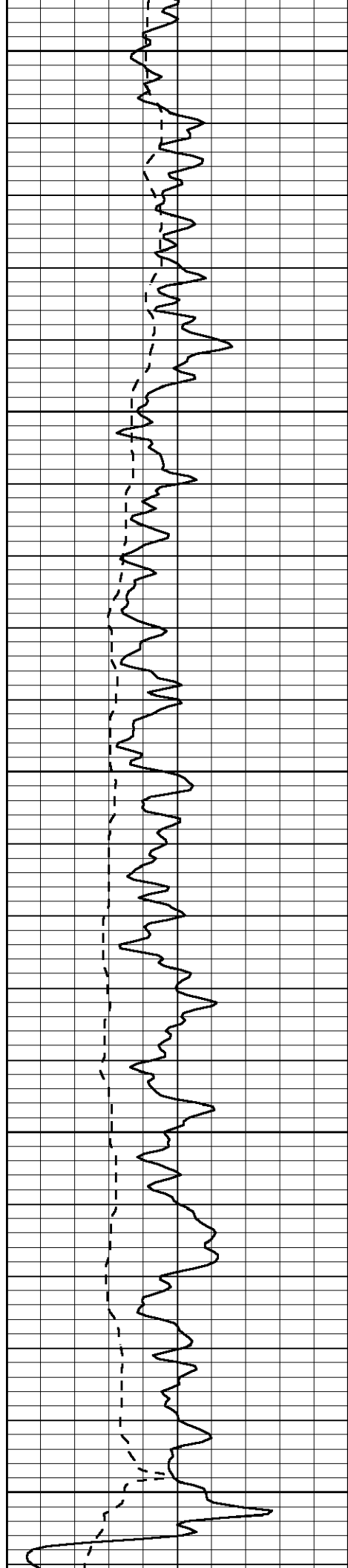
Thank you for using Log-Tech, Inc.
(785) 625-3858

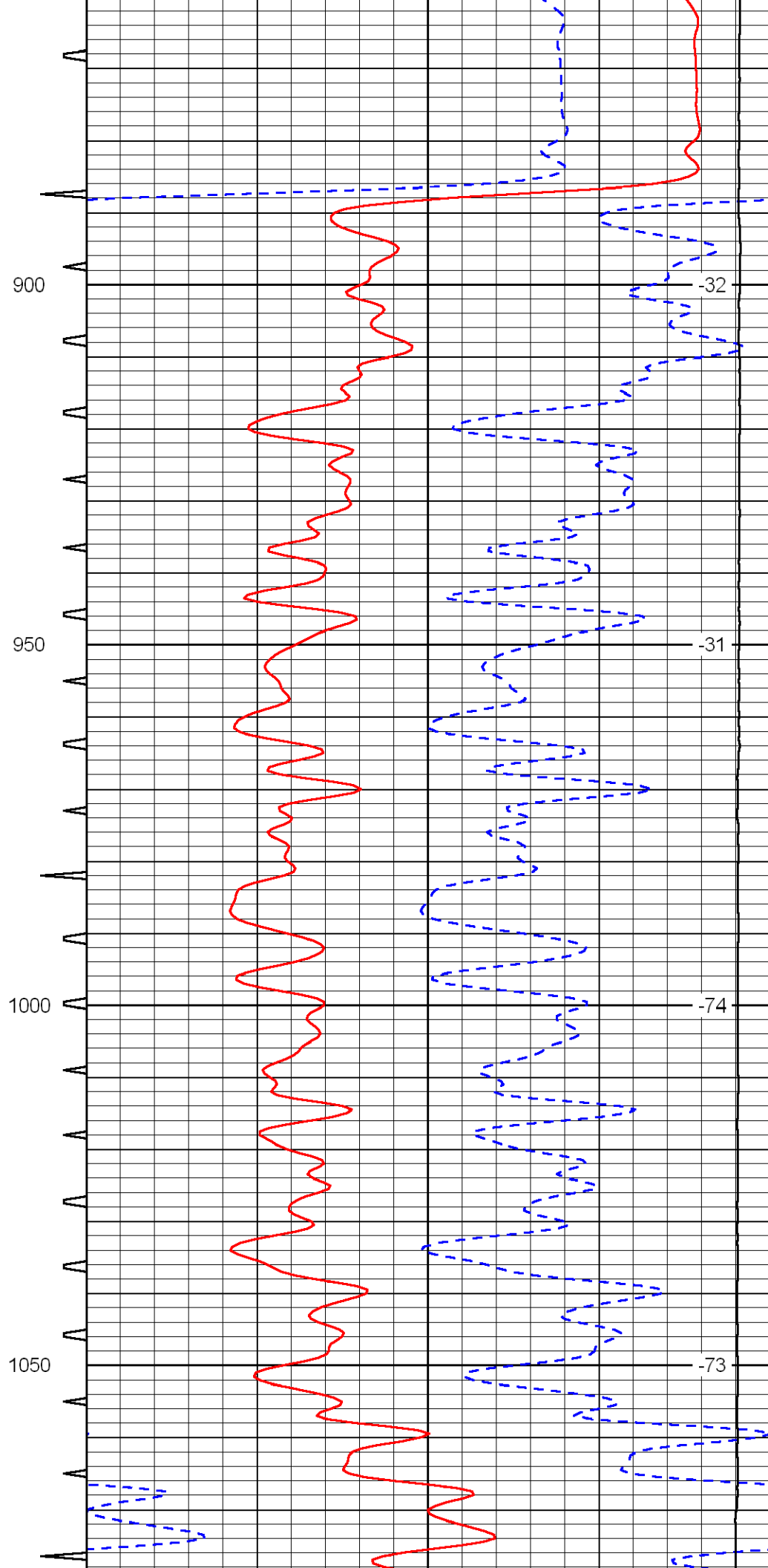
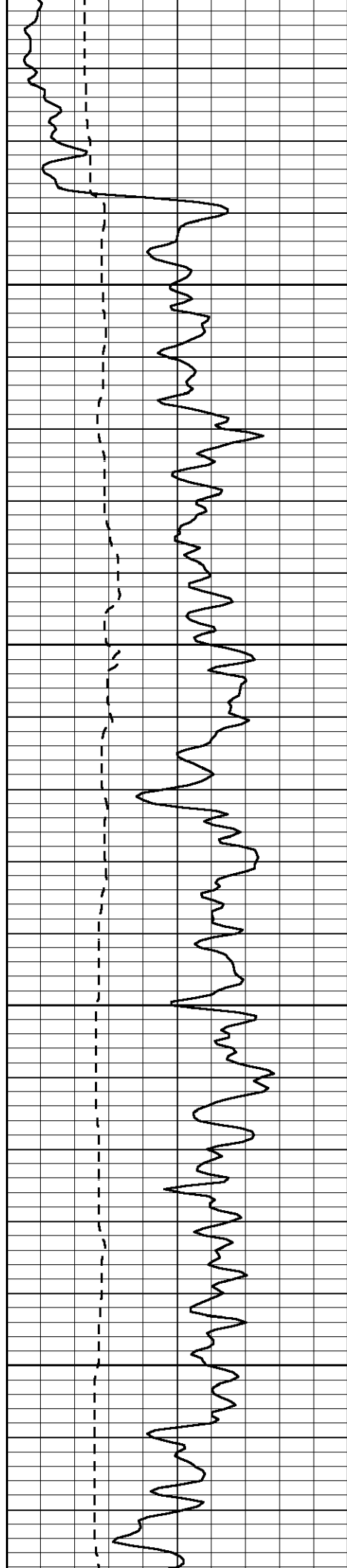
Russell, S to county line, 3.5 E, S into

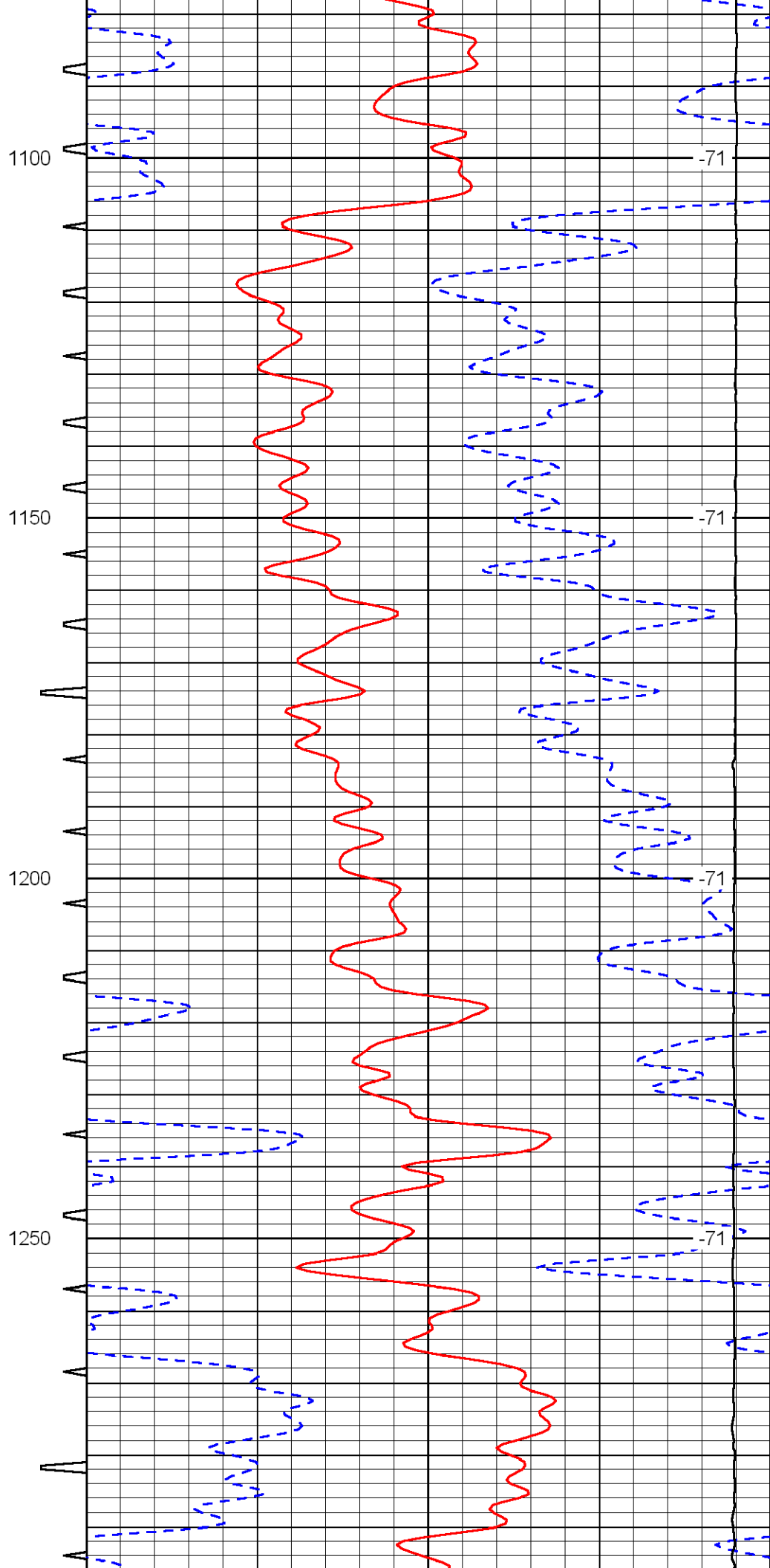
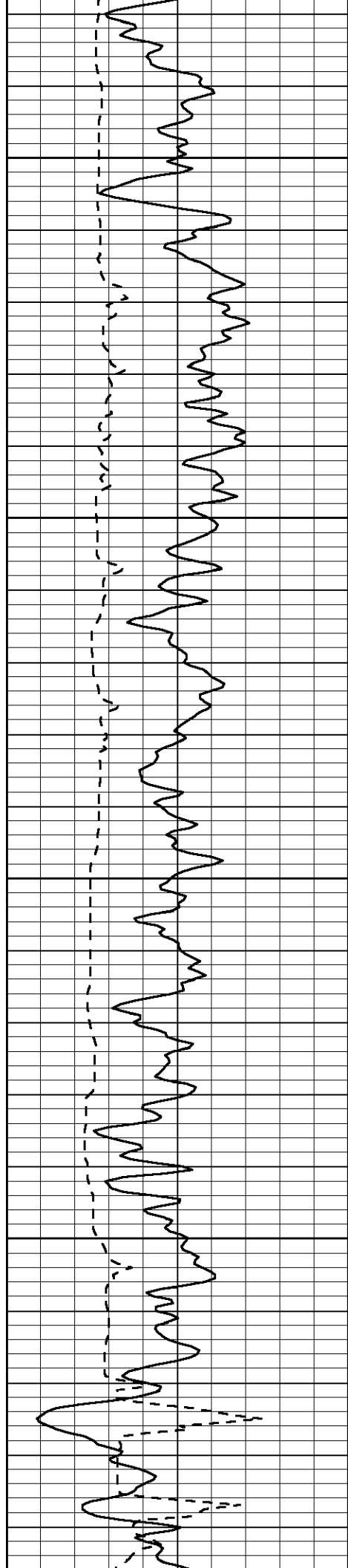
Database File: hupfer120811hd.db
Dataset Pathname: rag/huprag
Presentation Format: sonic
Dataset Creation: Thu Dec 08 19:43:21 2011
Charted by: Depth in Feet scaled 1:240

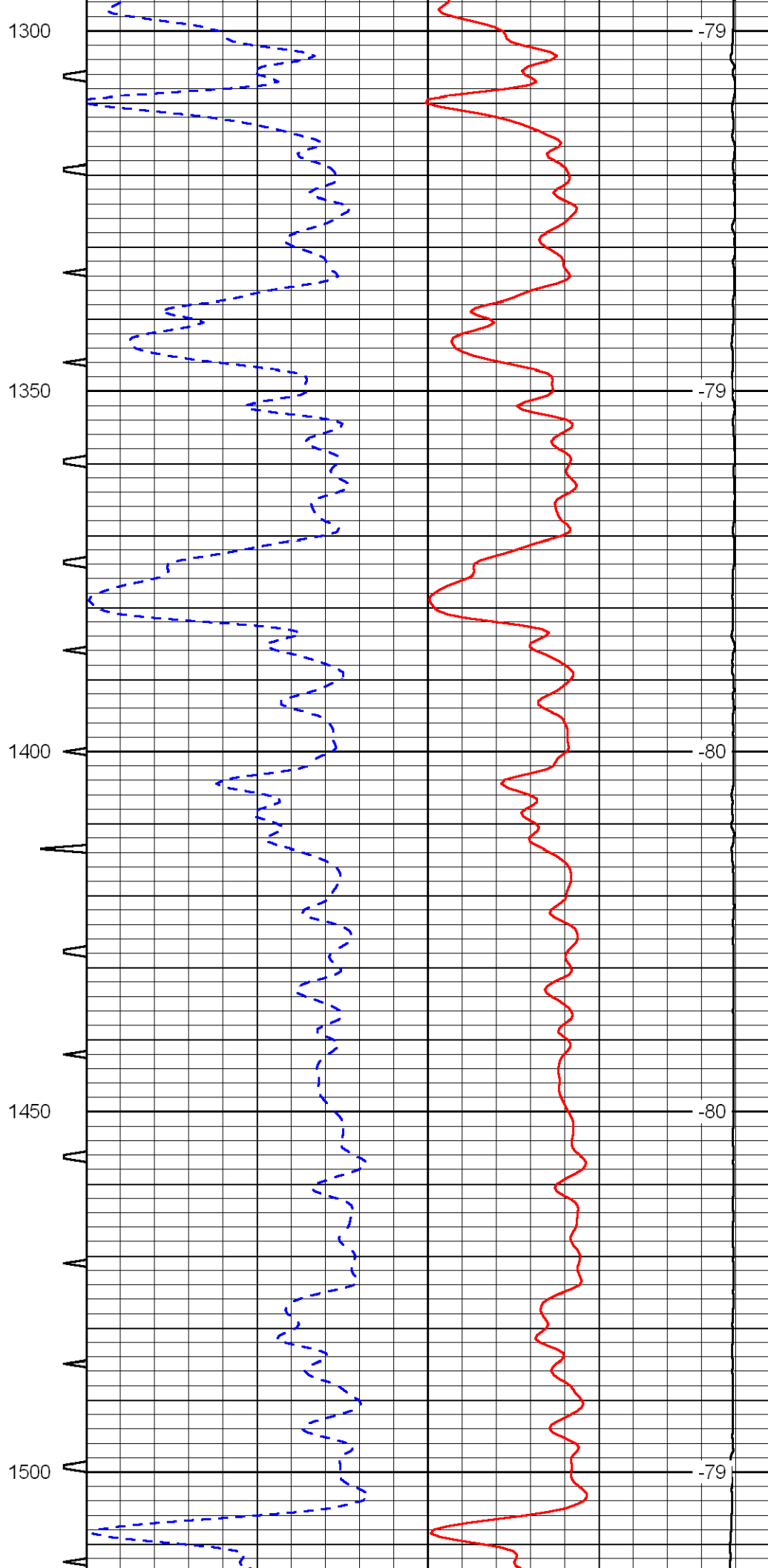
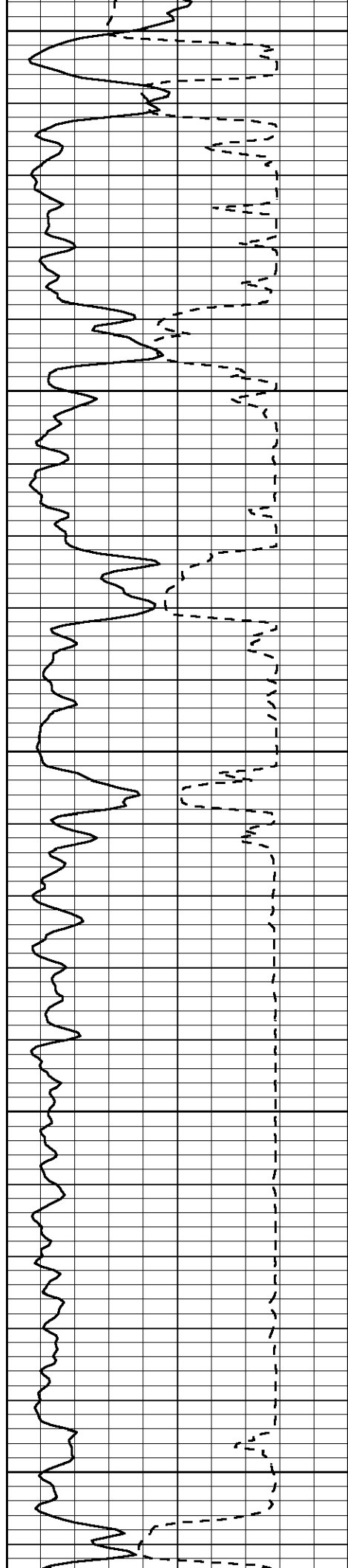
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40	
150	Gamma Ray	300	5	0	30	Sonic Porosity	-10
6	scal (GAPI)	16			15000	LTEN (lb)	0
							LSPD

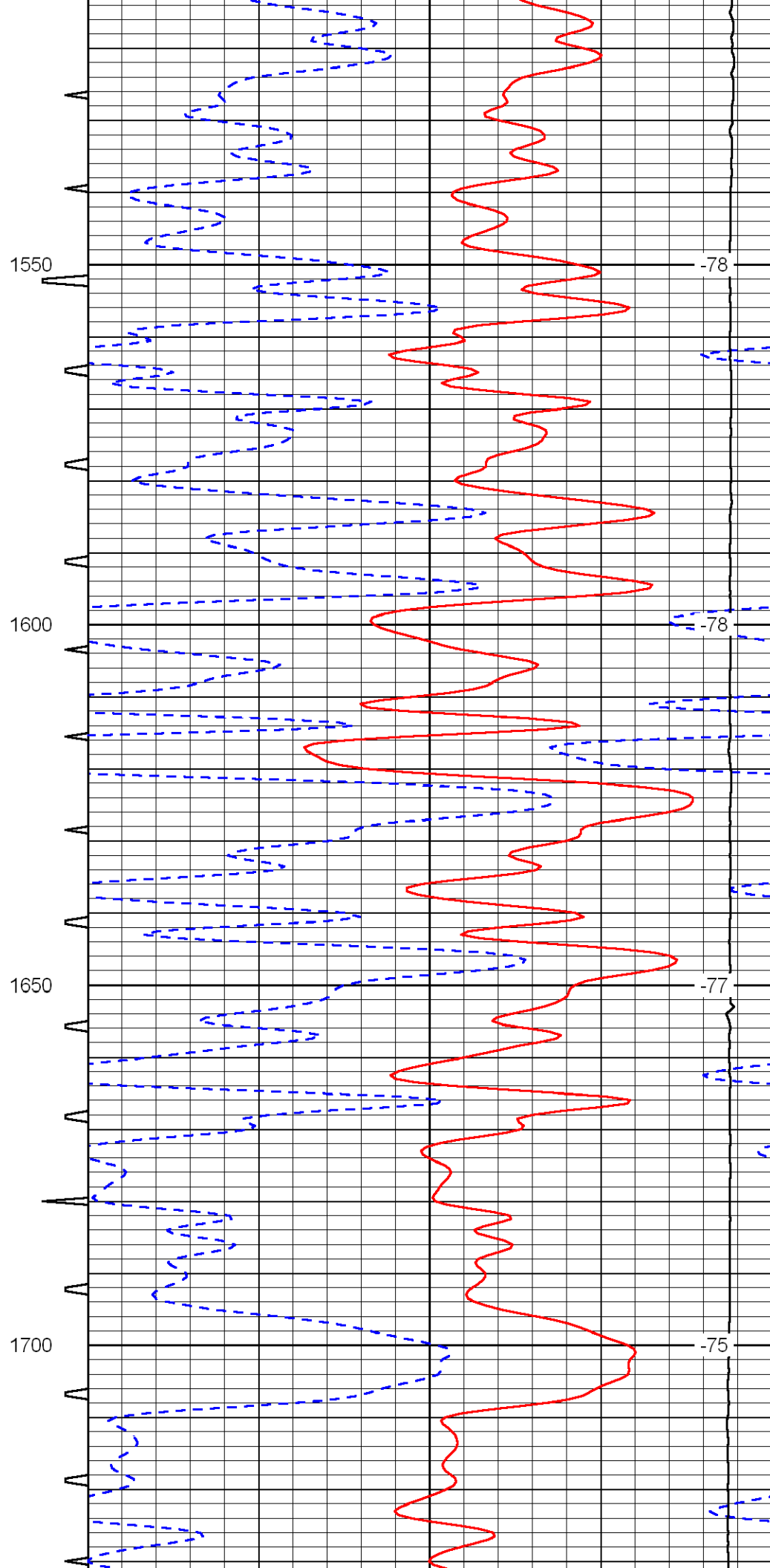
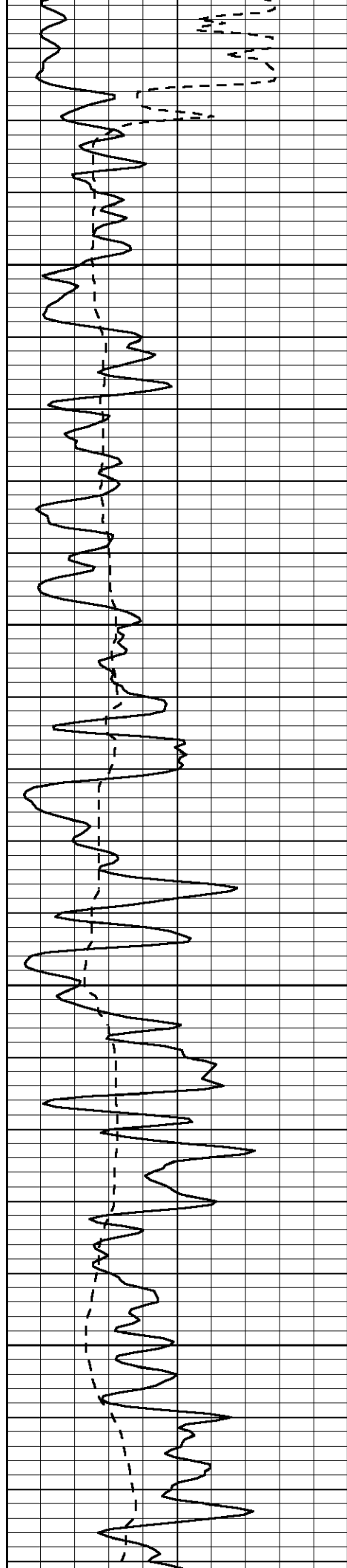


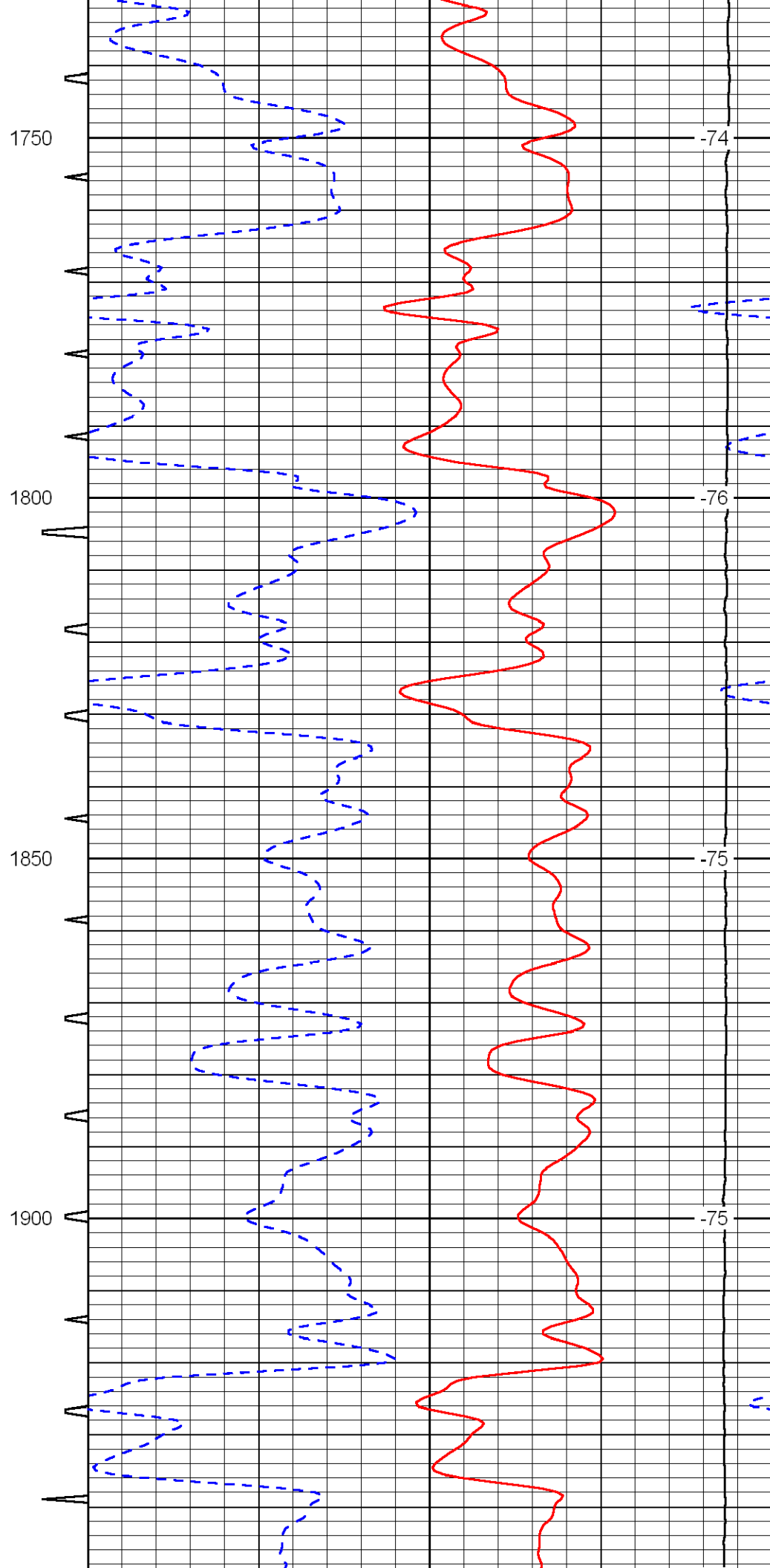
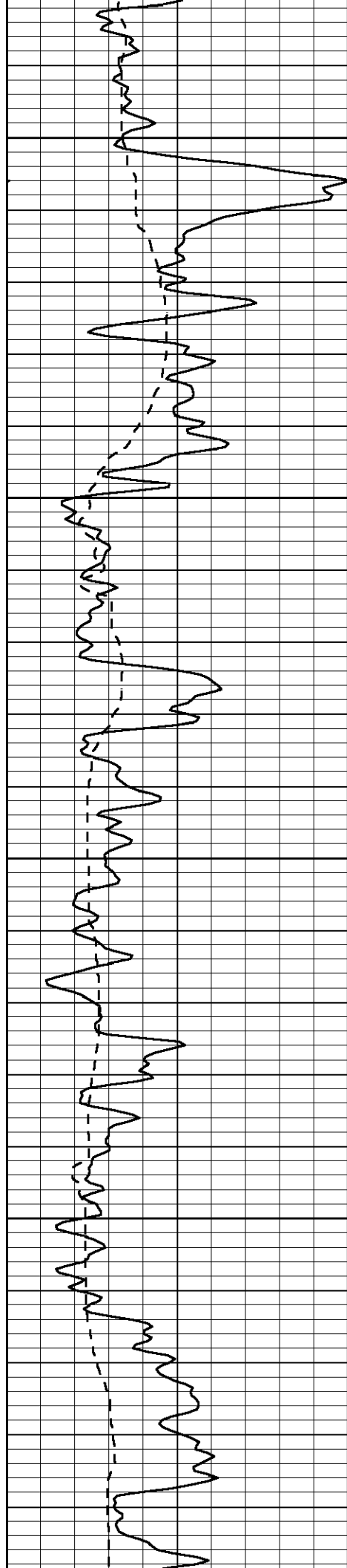


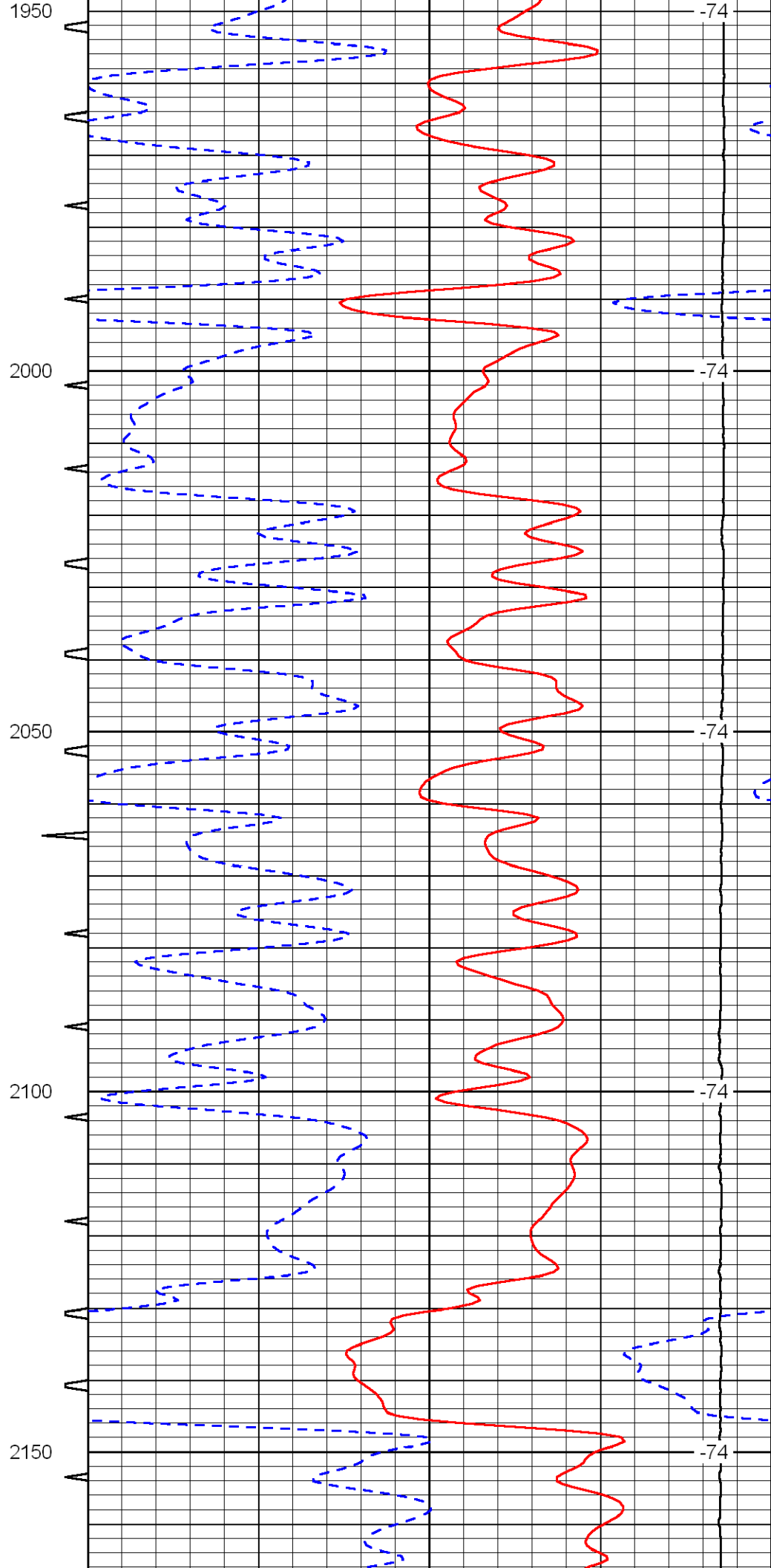
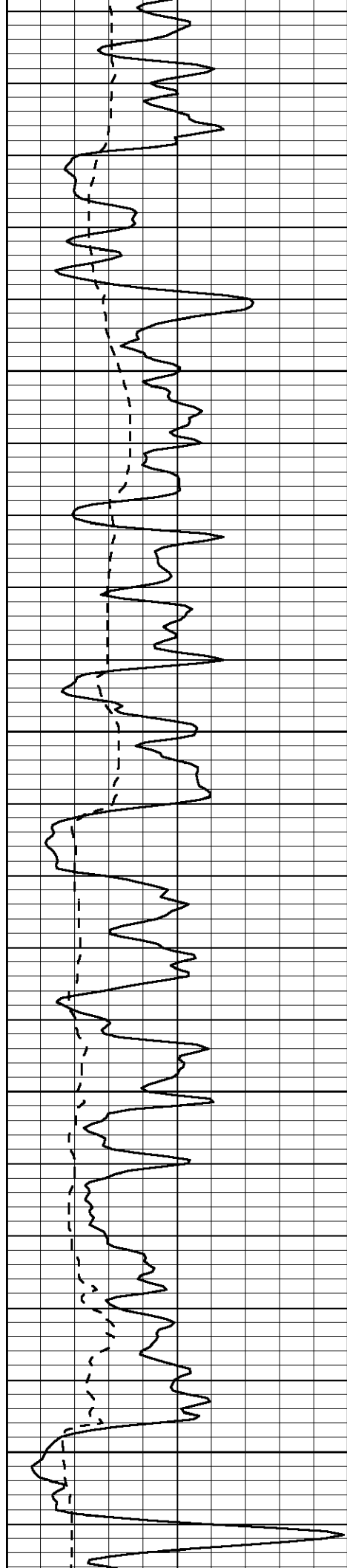


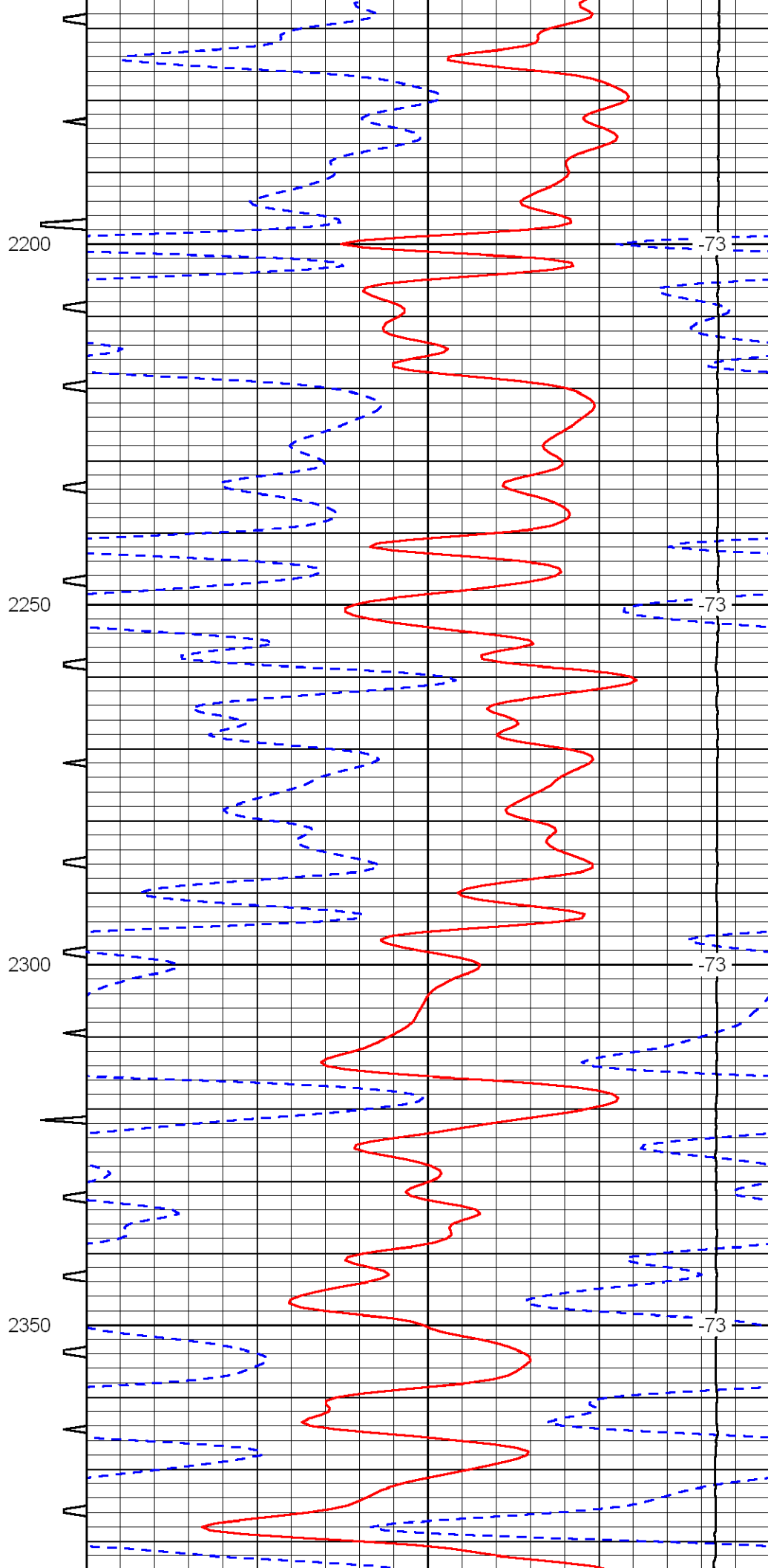
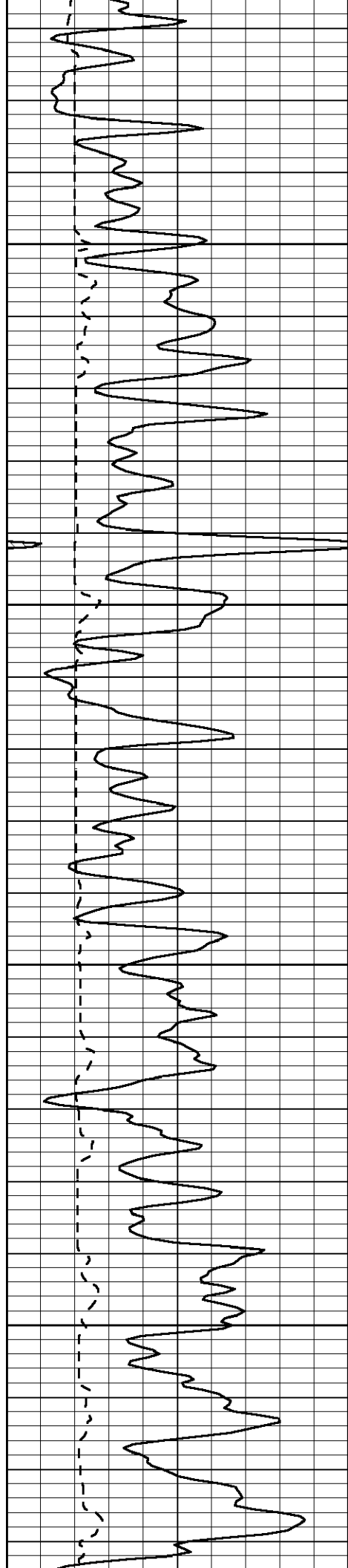


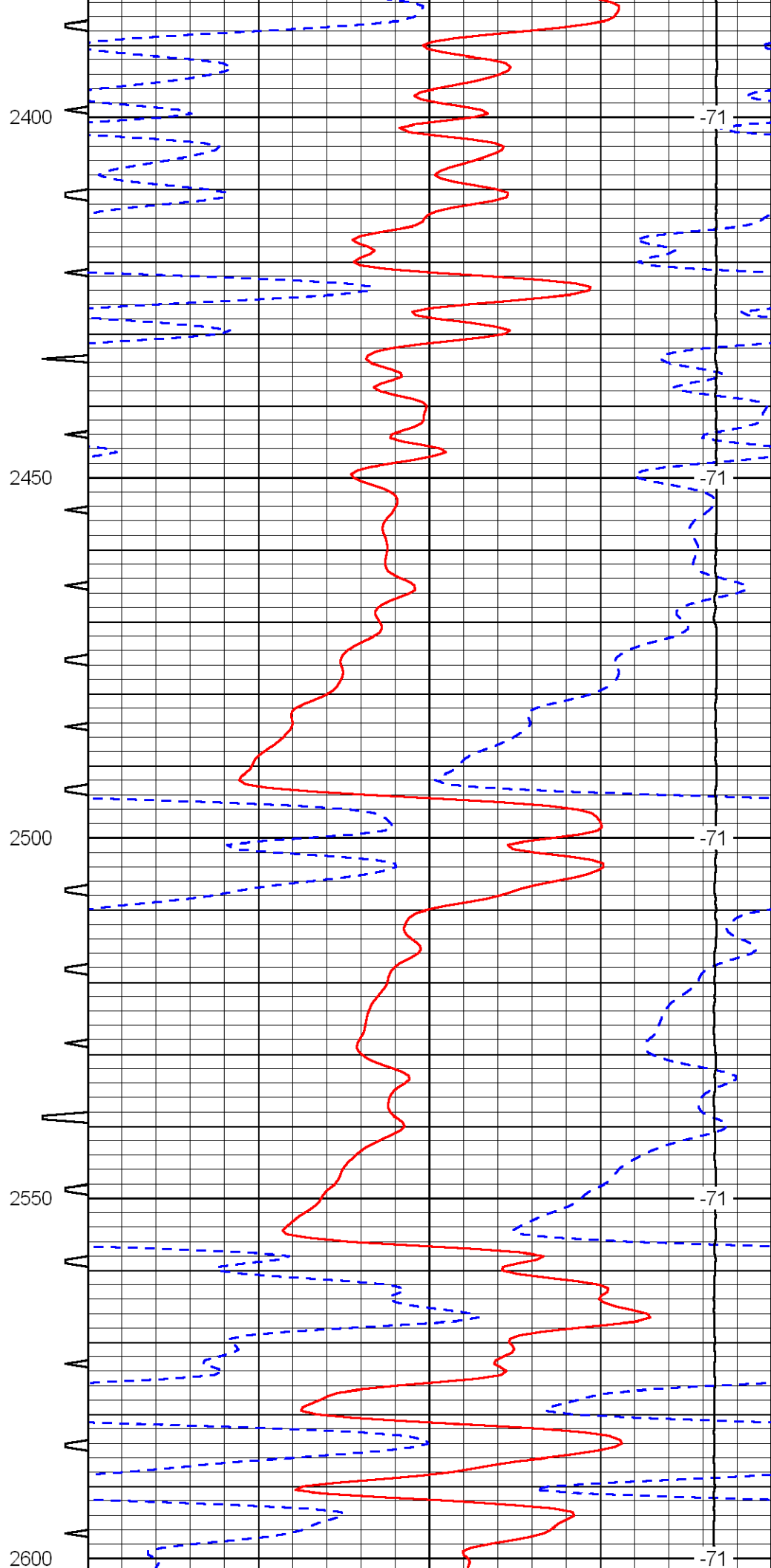
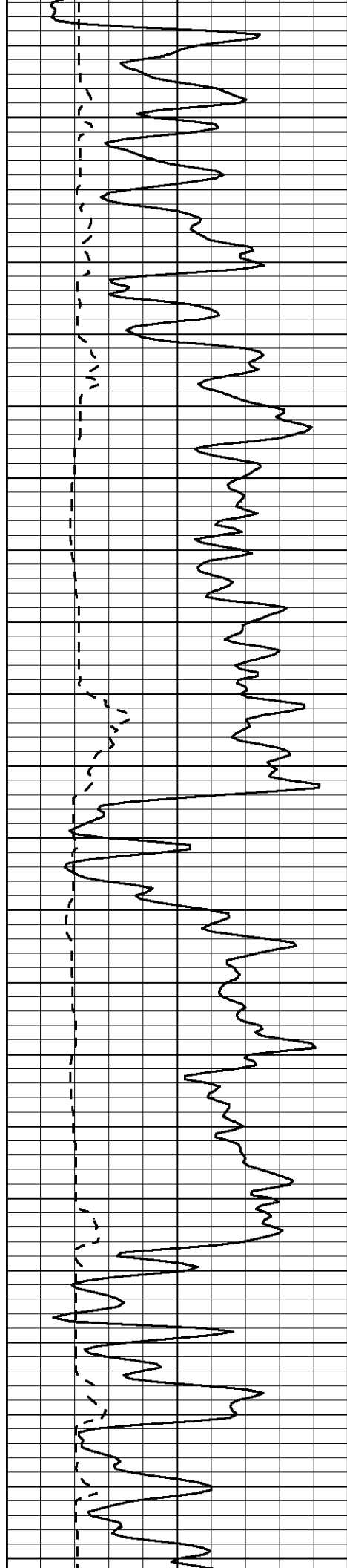


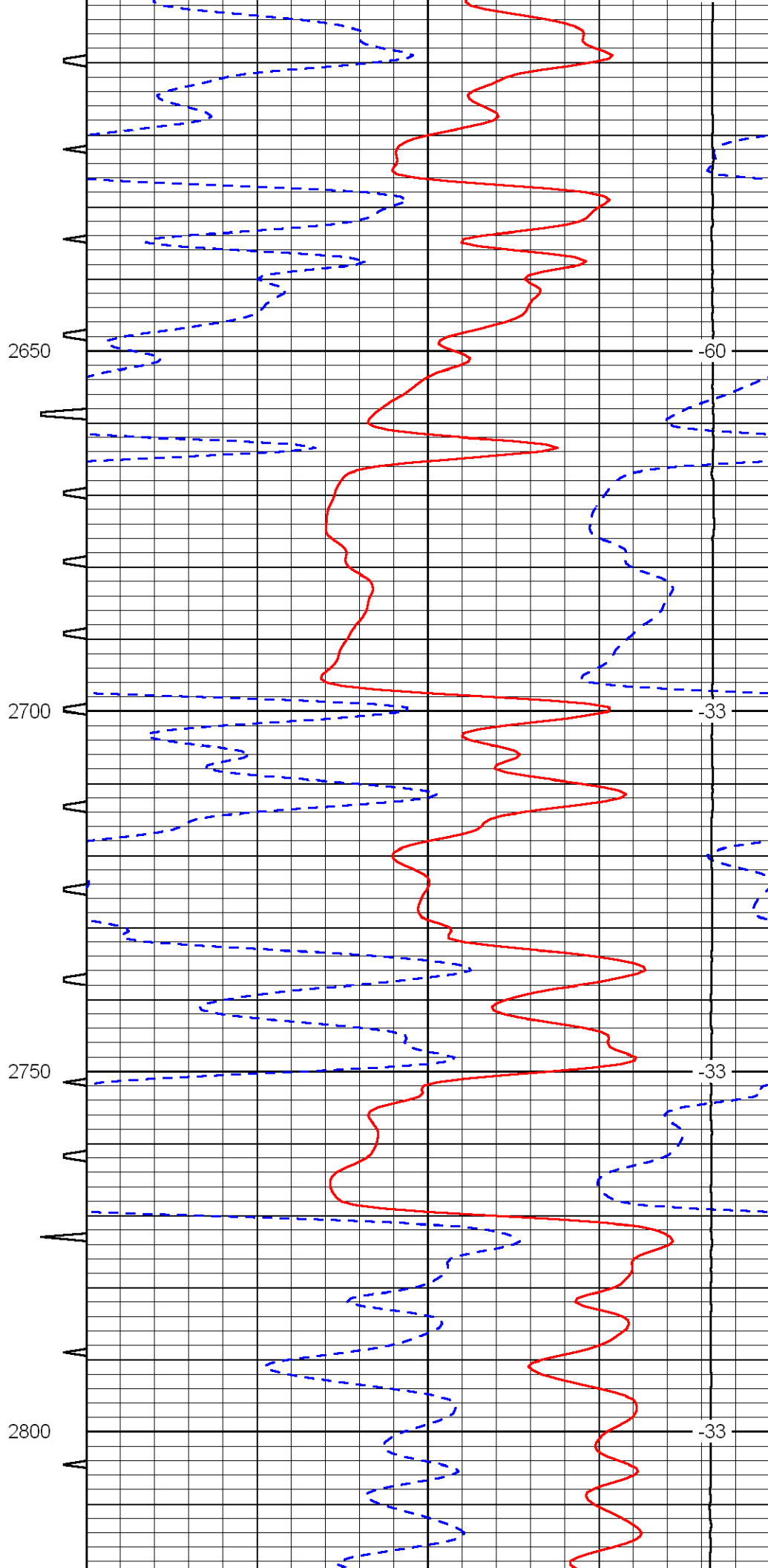
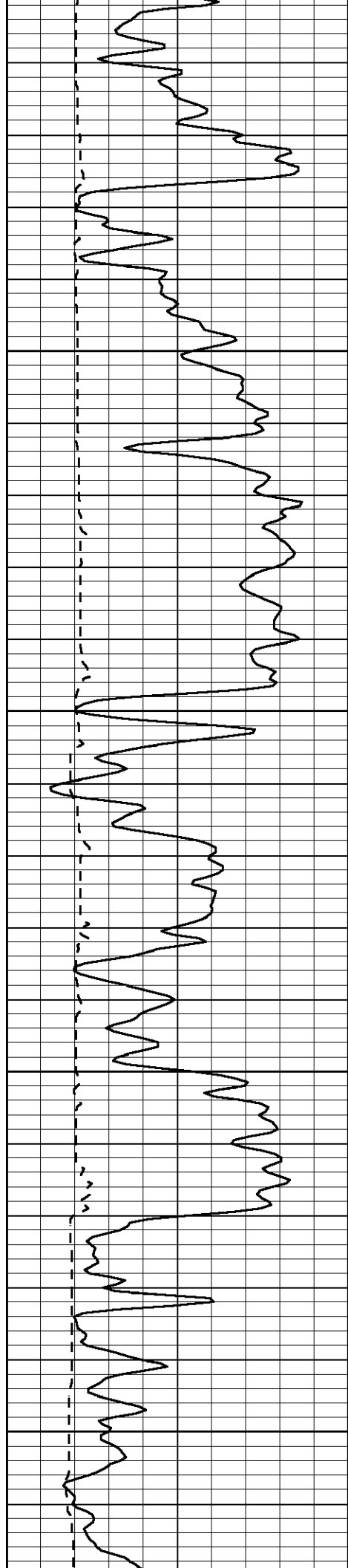


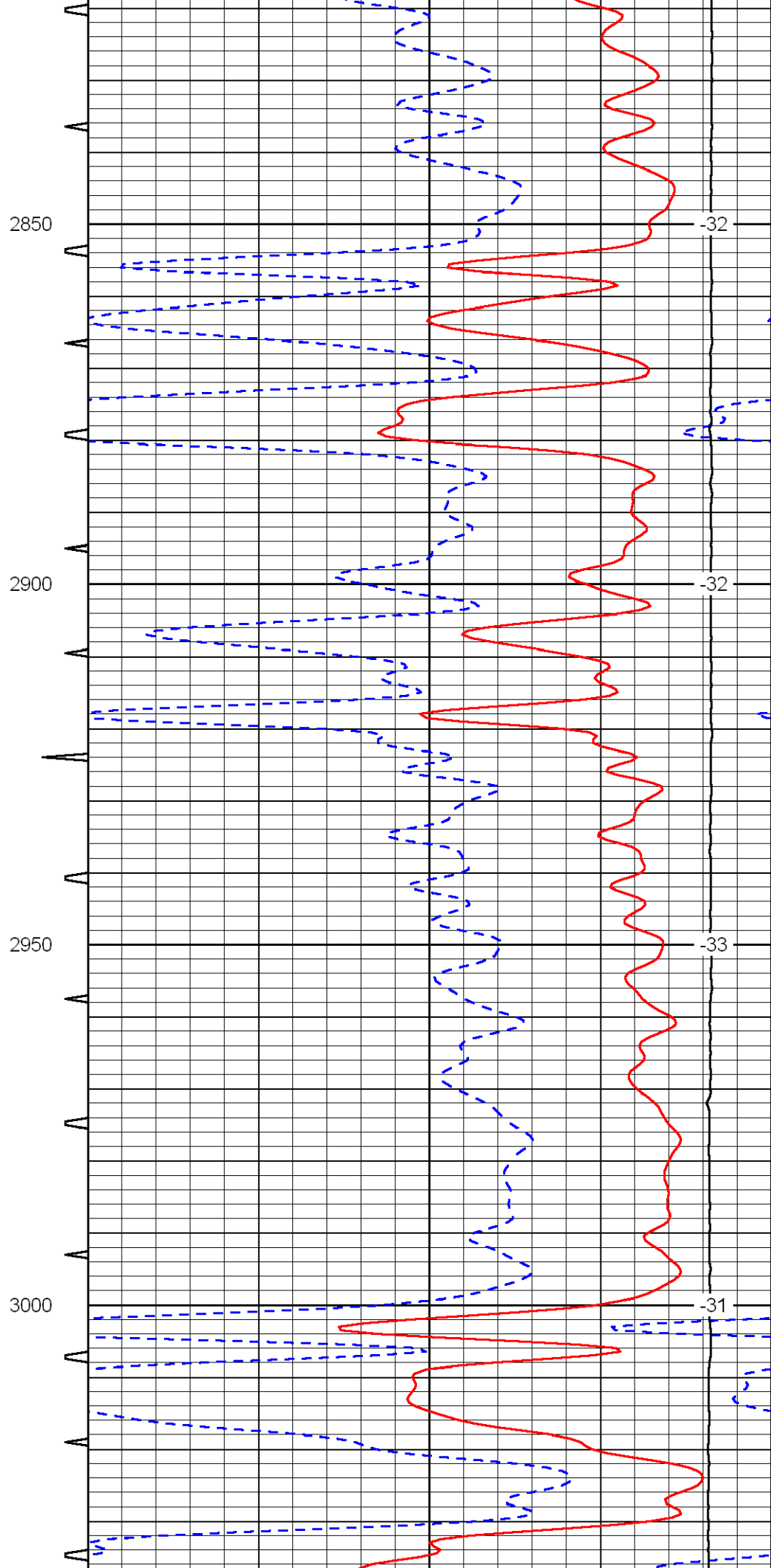
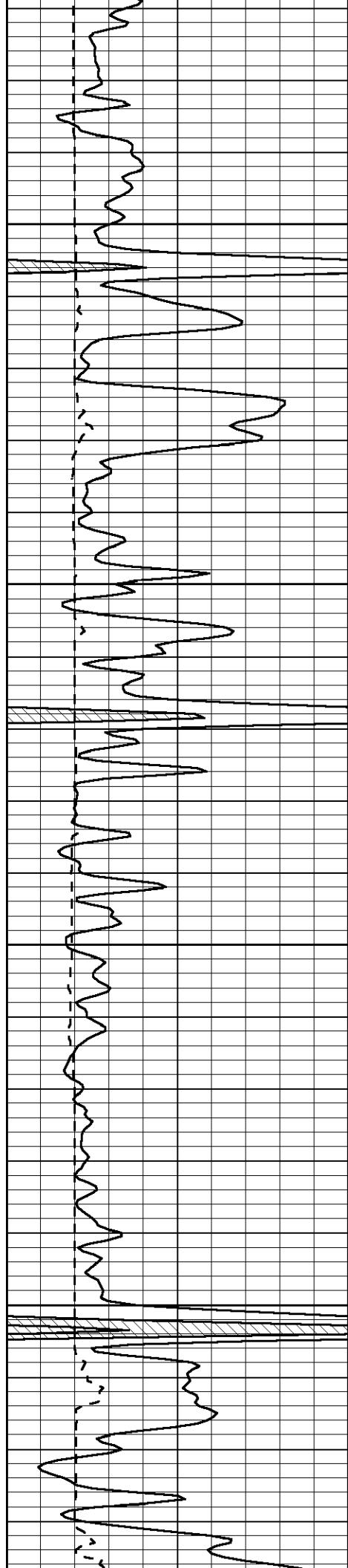


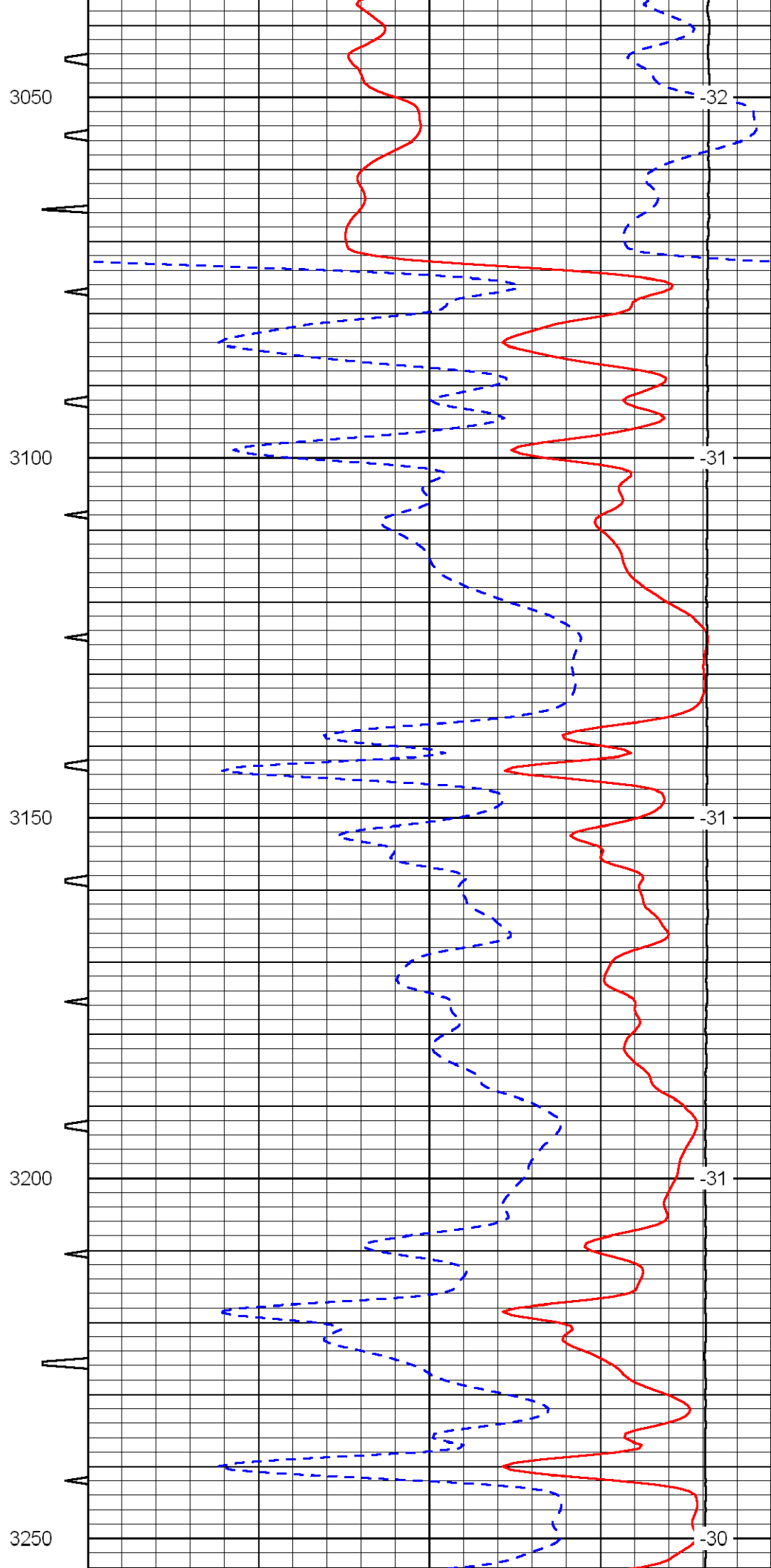
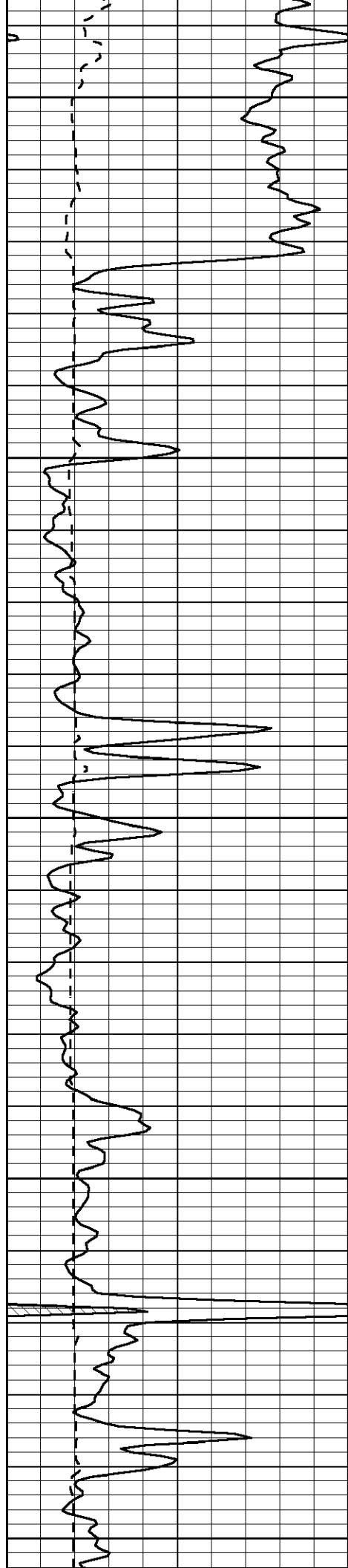


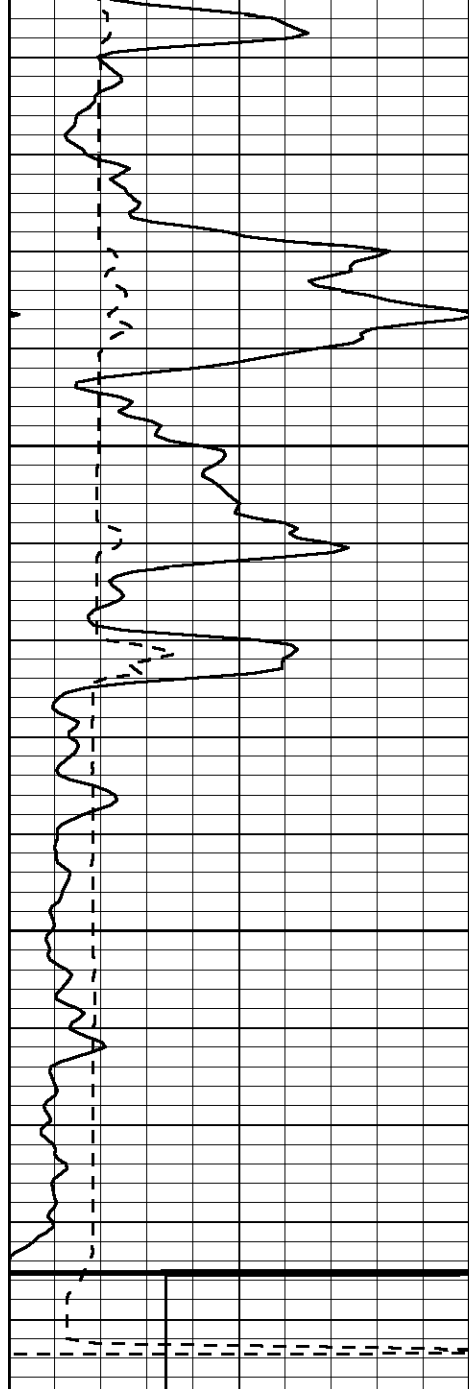




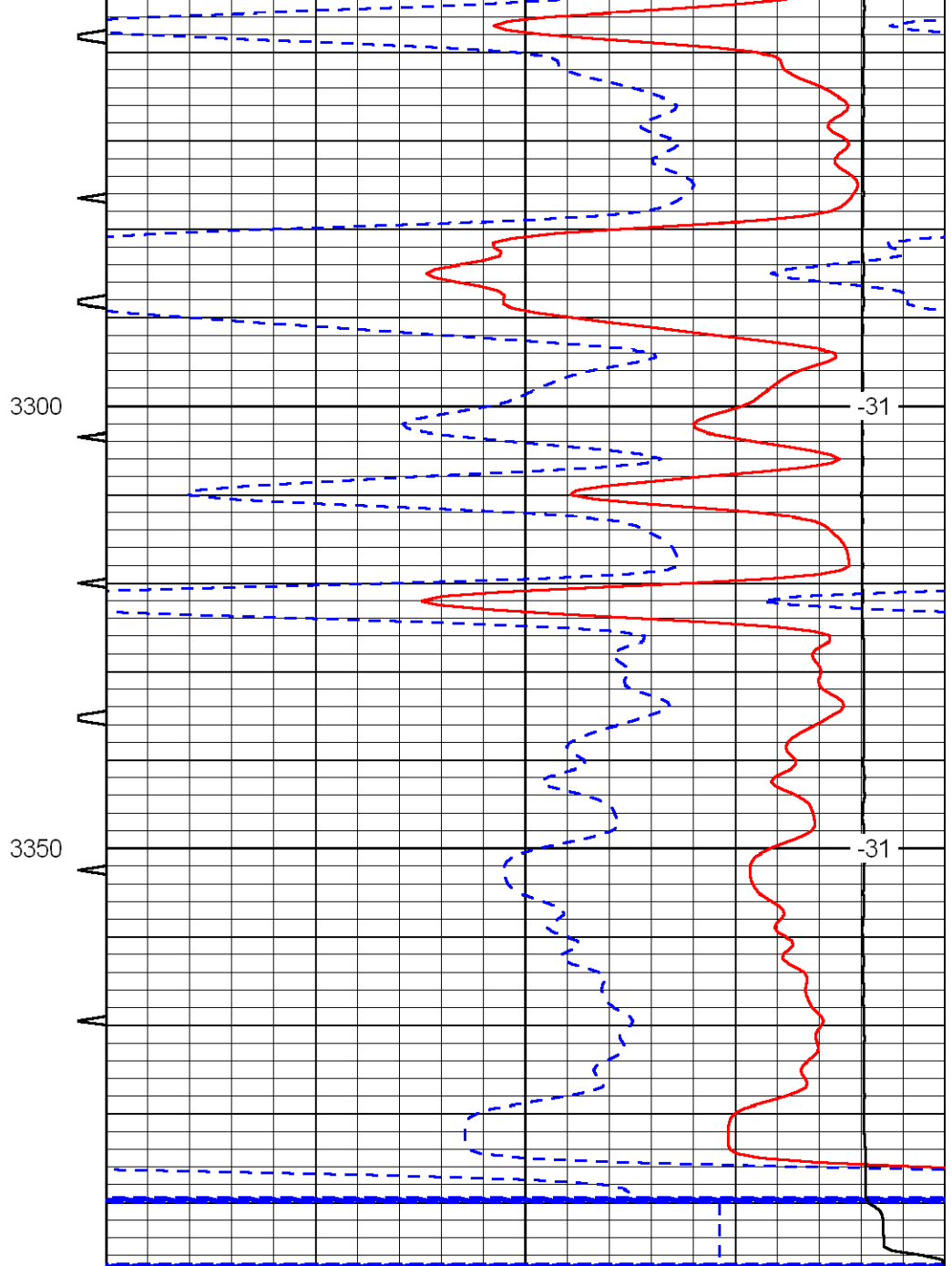








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