



Pioneer Energy Services

Borehole Compensated Sonic Log

API No. 15-053-21293-00-00

Company: American Warrior, Inc.
Well: White #5-8
Field: Stoltenberg
County: Ellsworth
State: Kansas

Location: NW NE SE NW
1490' FNL / 2259' FWL
Sec: 8 Twp: 16S Rge: 10W

Other Services: CNL/CDL MEL/DIL

Permanent Datum: Ground Level Elevation 1848
Log Measured From: Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From: Kelly Bushing

Date: 11/23/2013
K.B. 1856
D.F. 1848
G.L. 1848

Run Number: Two
Type Log: BHC Sonic
Depth Driller: 3600
Depth Logger: 3607
Bottom Logged Interval: 3596
Top Logged Interval: 350
Type Fluid In Hole: Chemical
Salinity, PPM CL: 6500
Density: 9.3
Level: Full
Max. Rec. Temp. F: 112
Operating Rig Time: 4 Hours
Equipment -- Location: 17 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	374	8.625	23#	00	374
Two	7.875	374	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

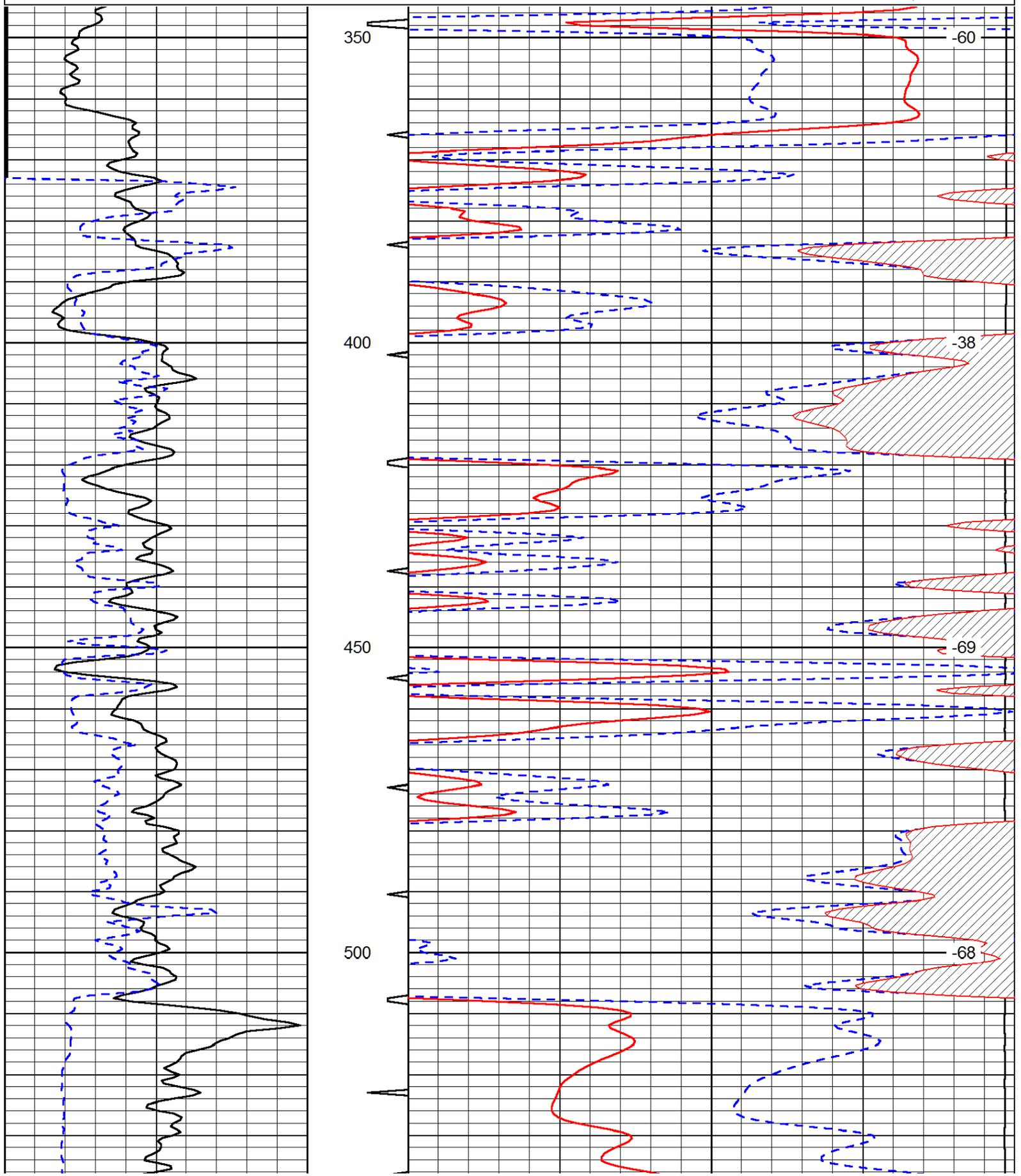
Thank you for using Log-Tech, Inc.
(785) 625-3858

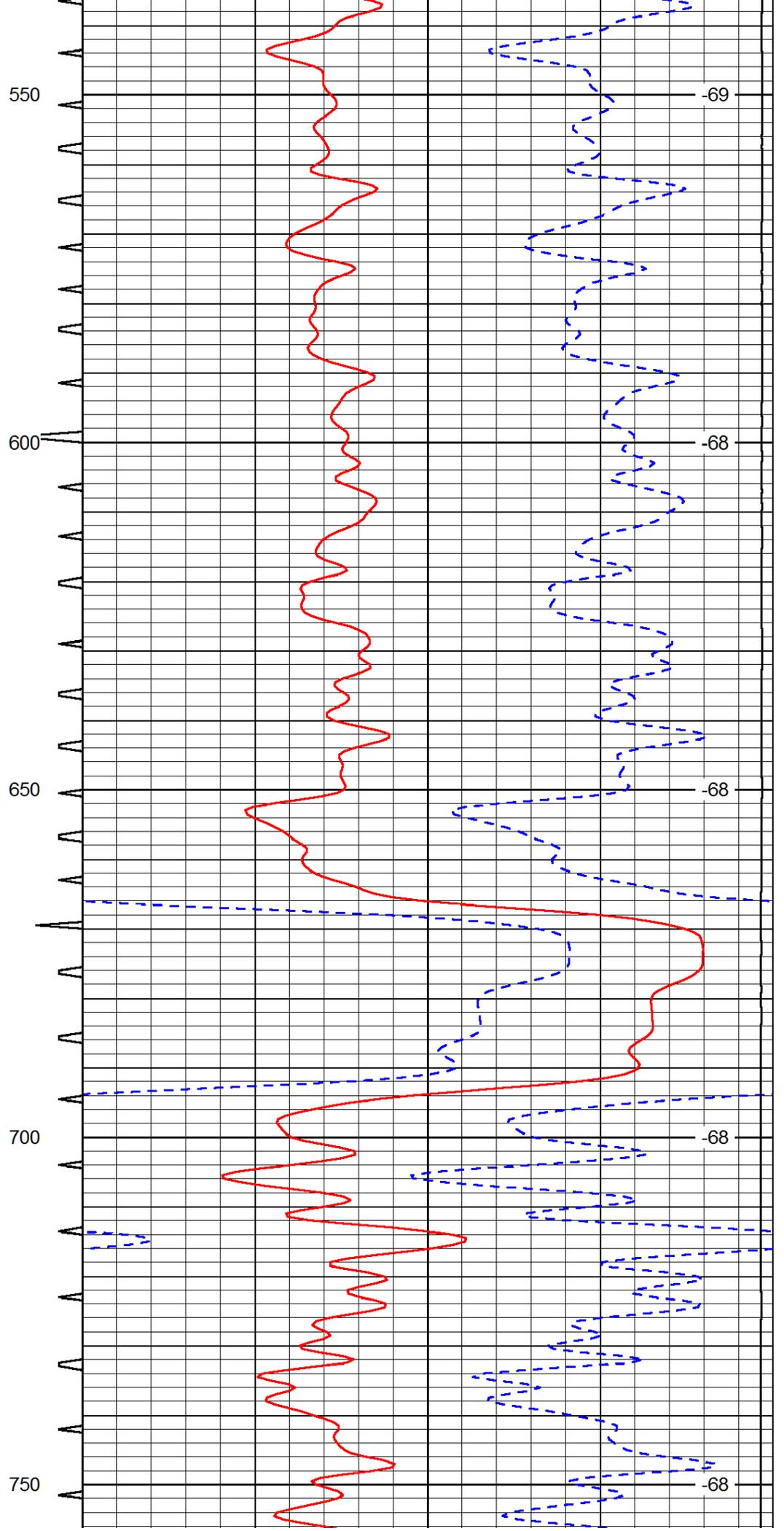
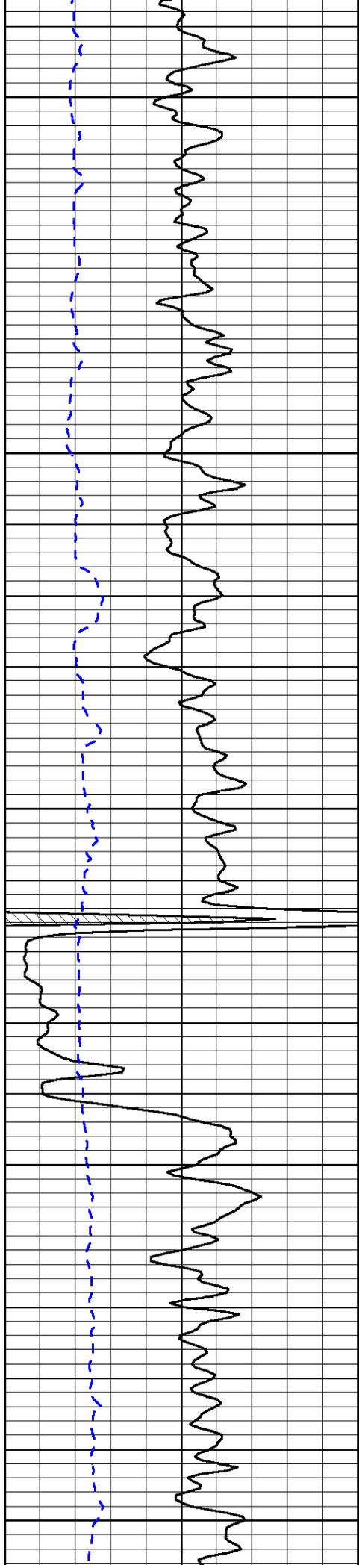
Wilson, KS:
10S, 1 1/2E, S into

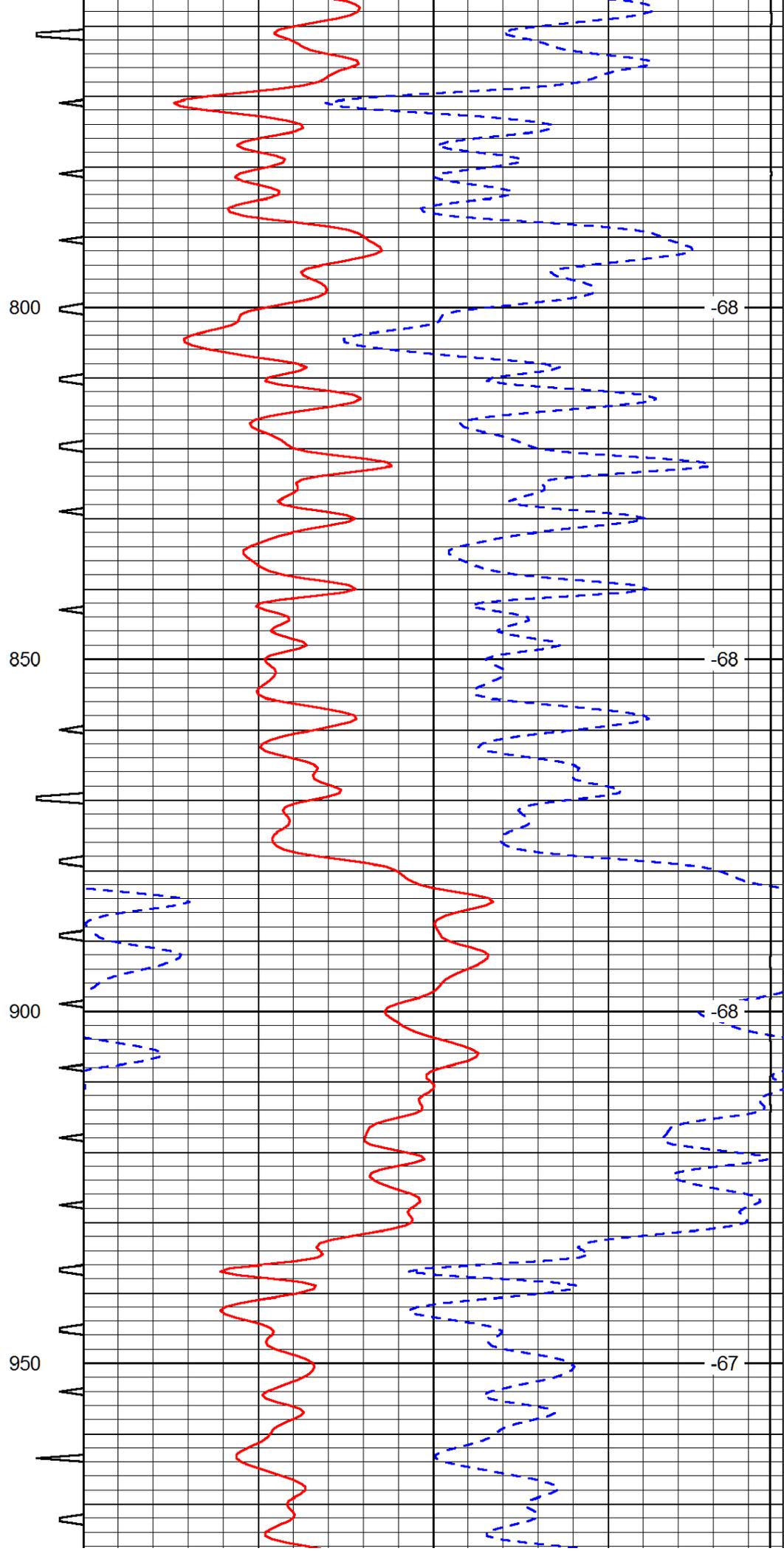
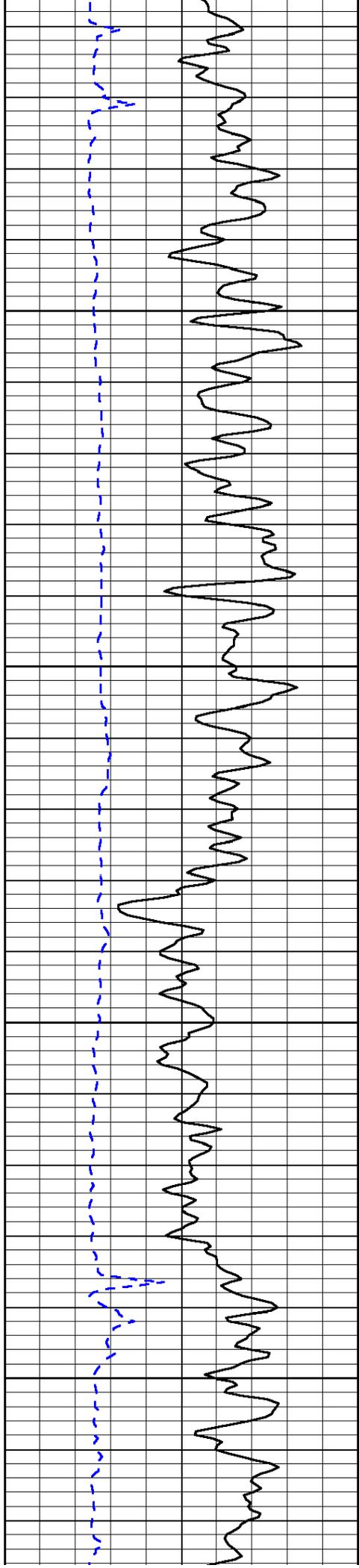
Database File: amwar_hd.db
Dataset Pathname: dil/amwmain
Presentation Format: sonic
Dataset Creation: Sat Nov 23 00:56:03 2013
Charted by: Depth in Feet scaled 1:240

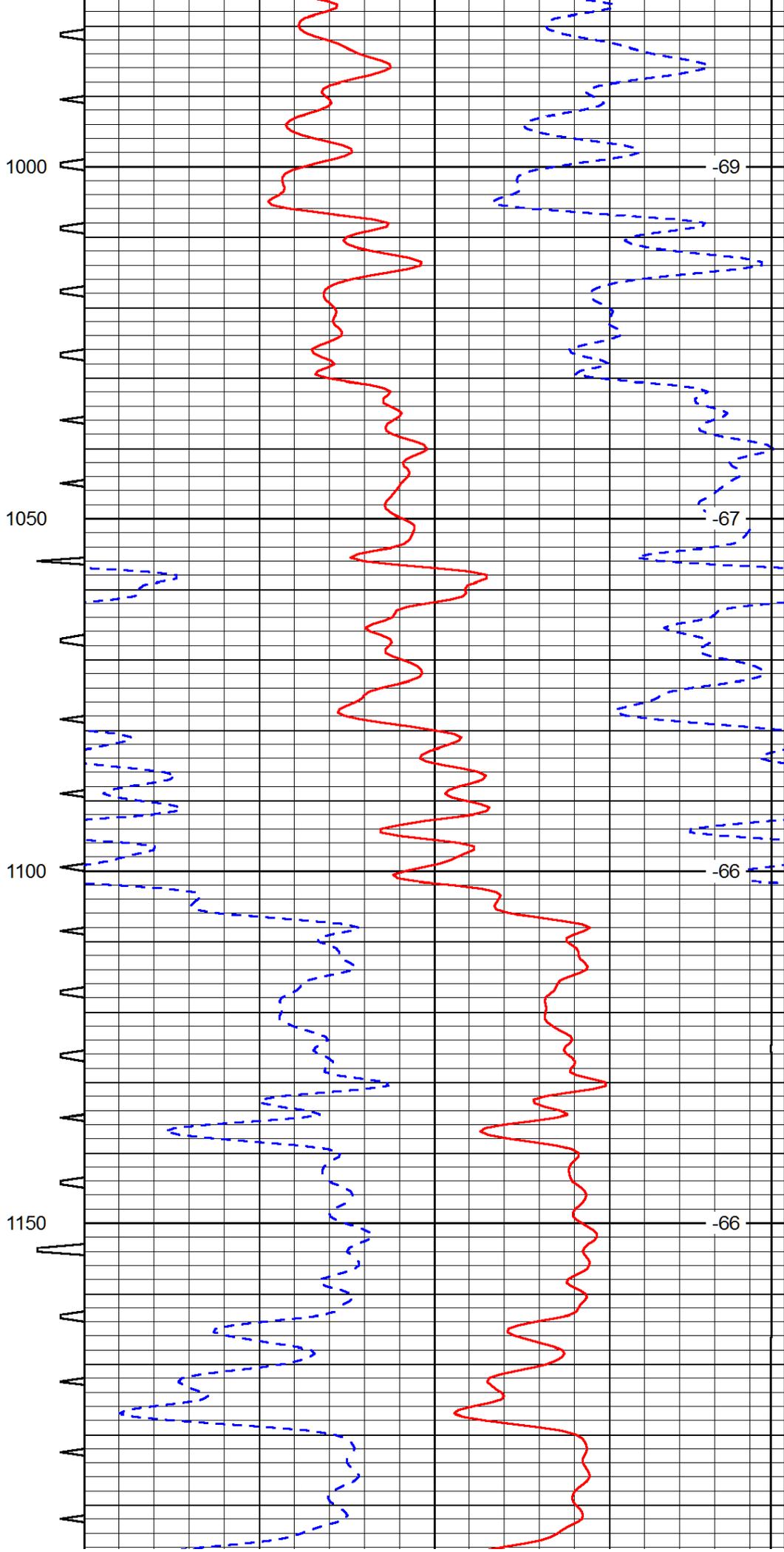
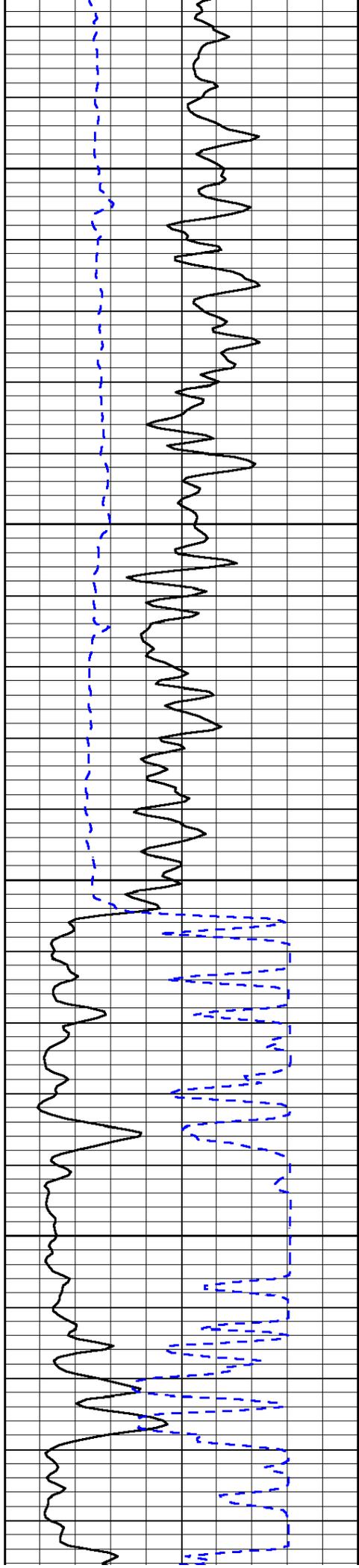
0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	Gamma Ray (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu)	-10
6	dCAL (in)	16		15000	LTEN (lb) (lb)	0

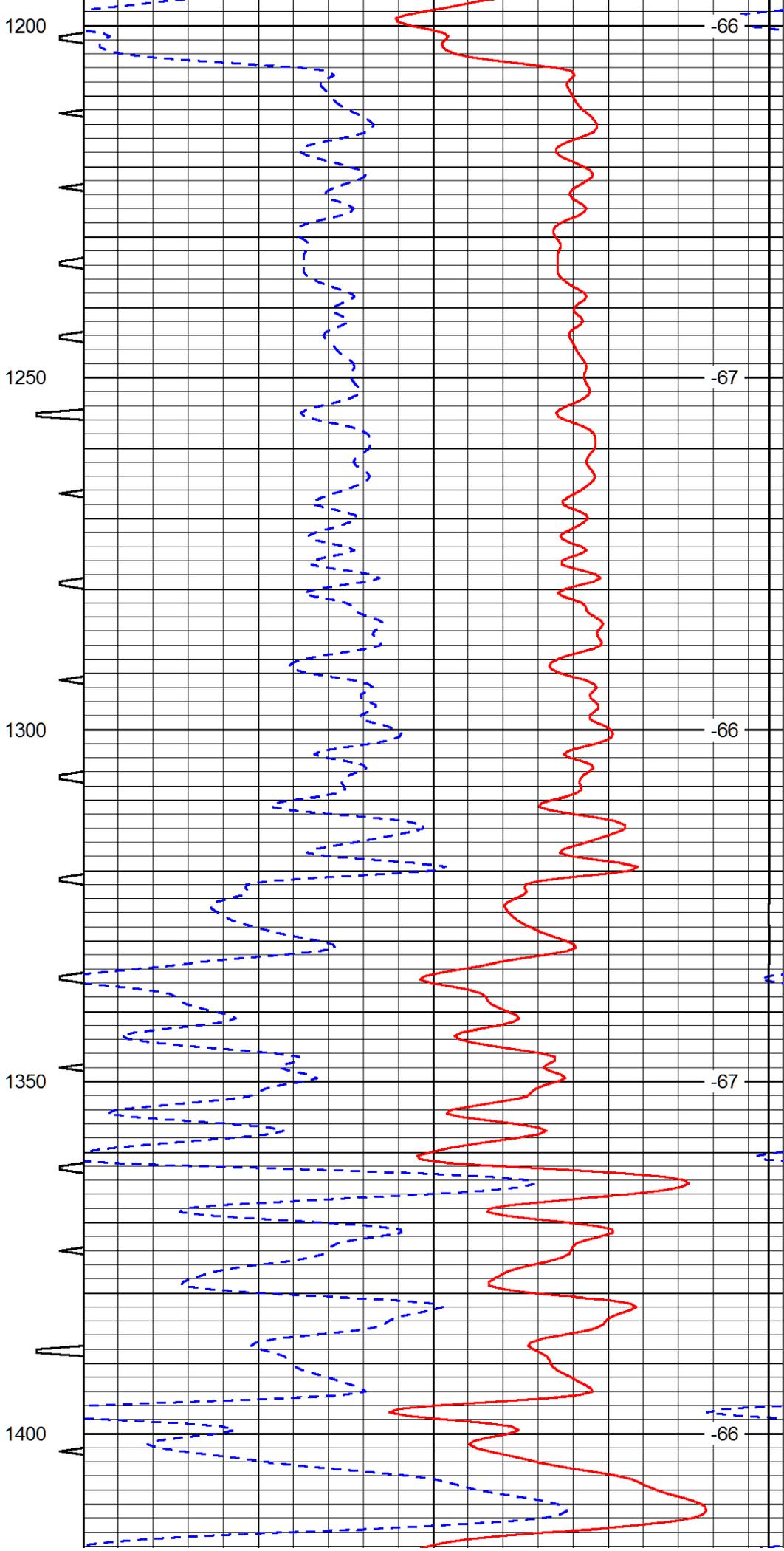
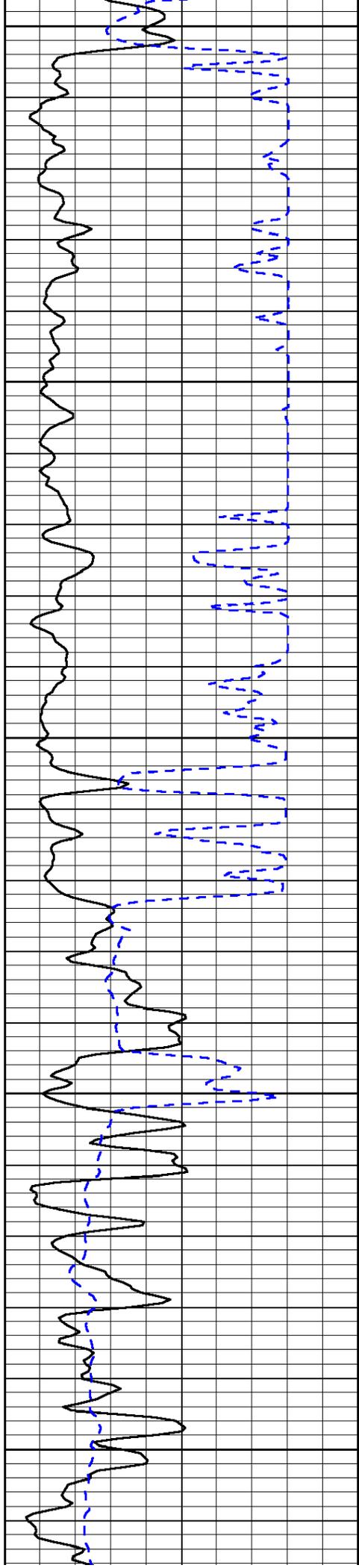
LSPD
(ft/min)

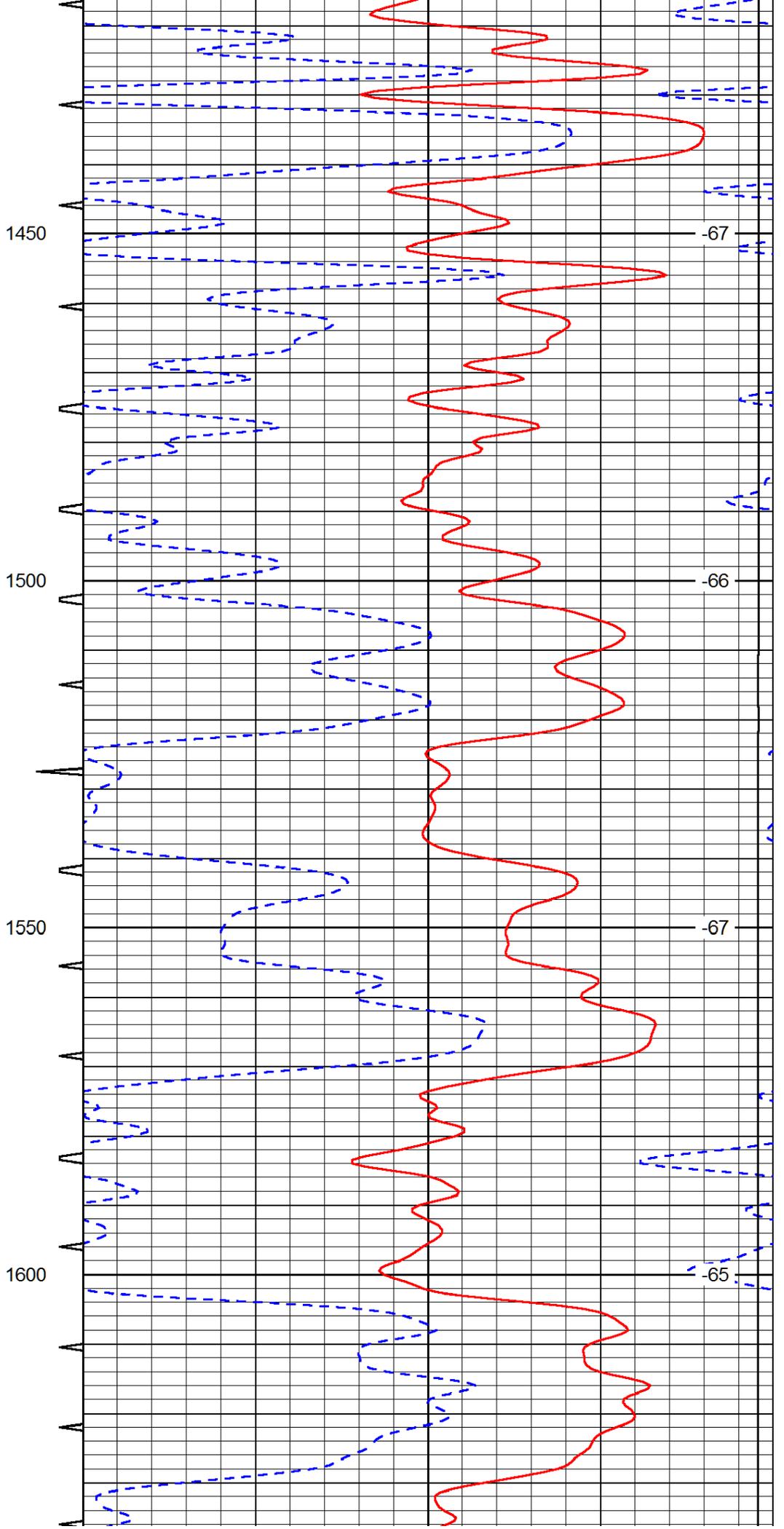
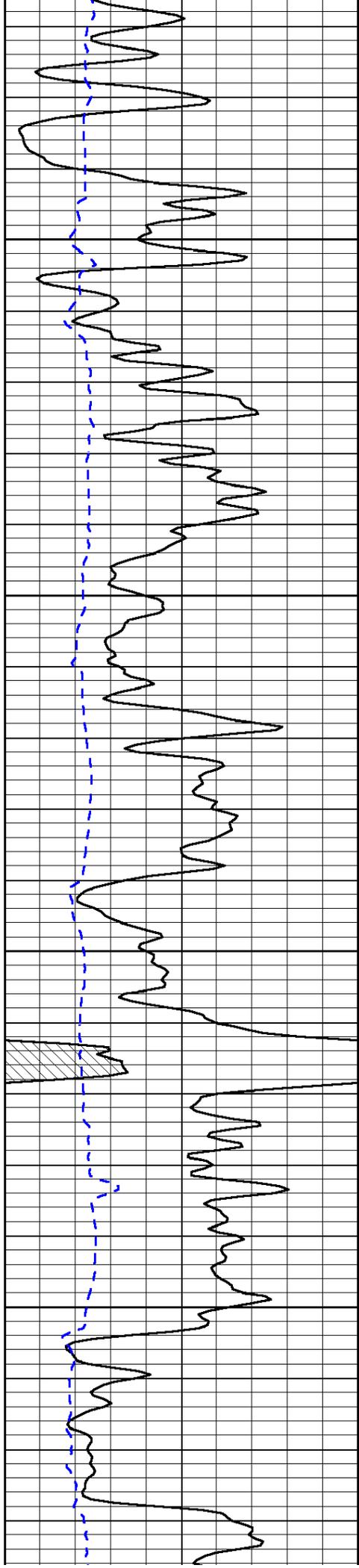


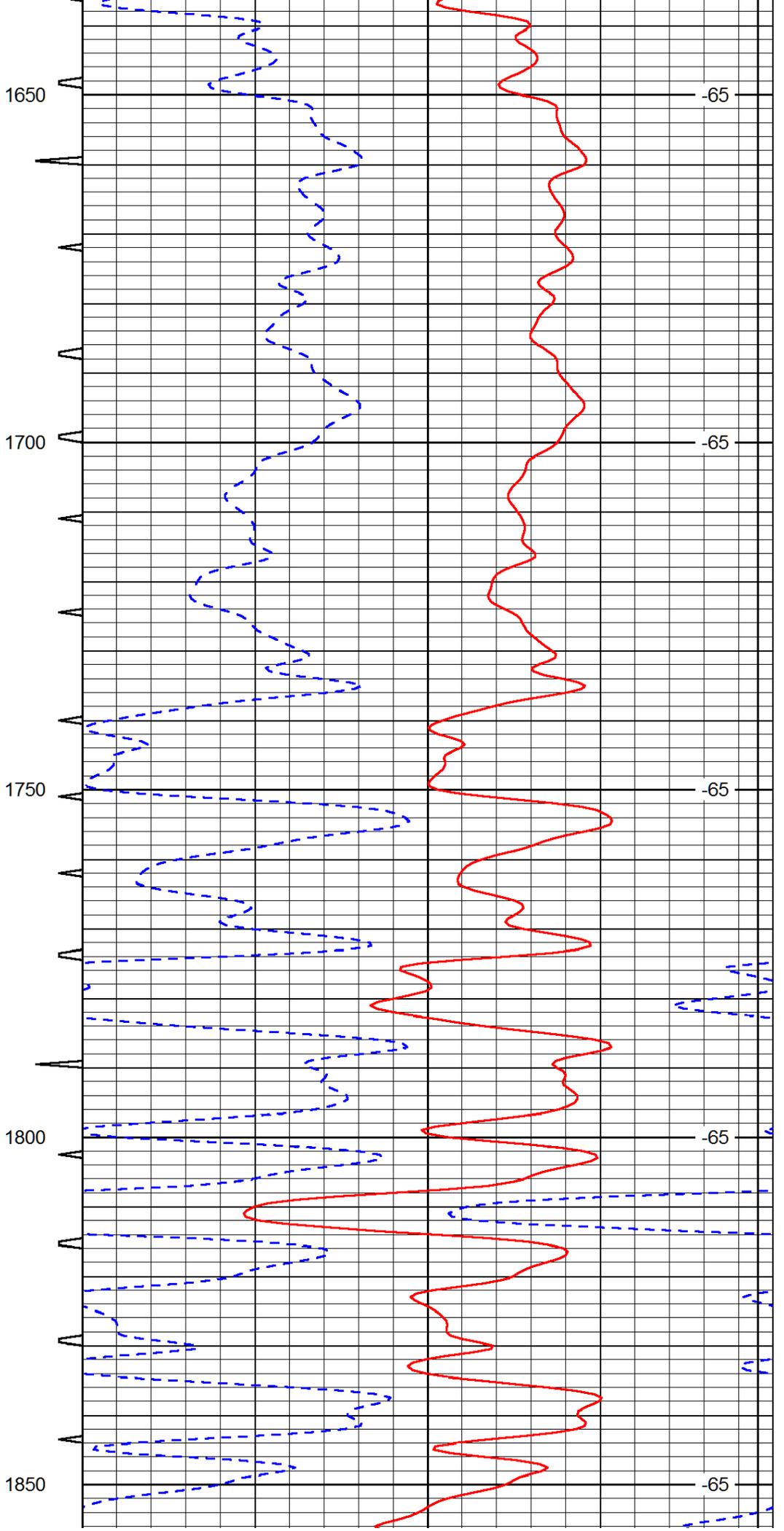
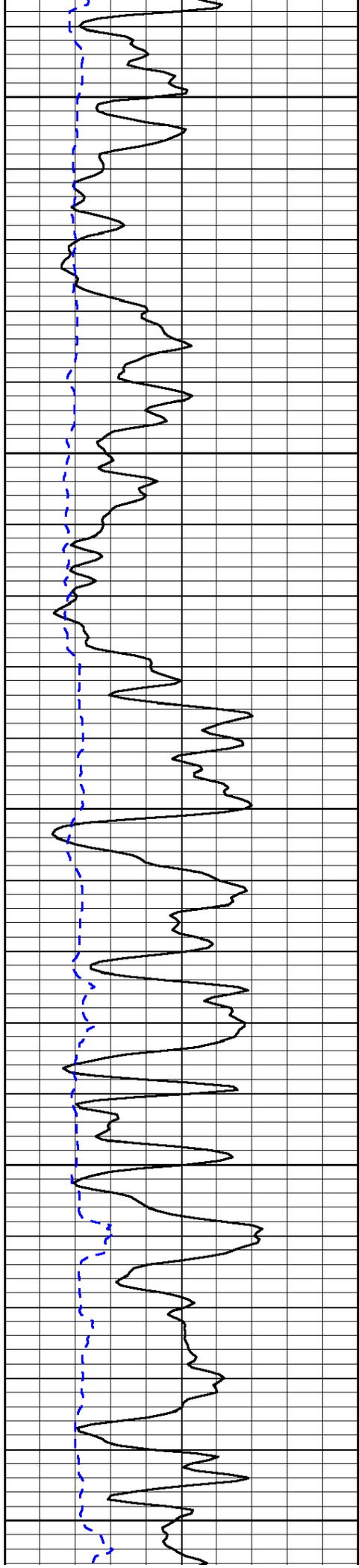


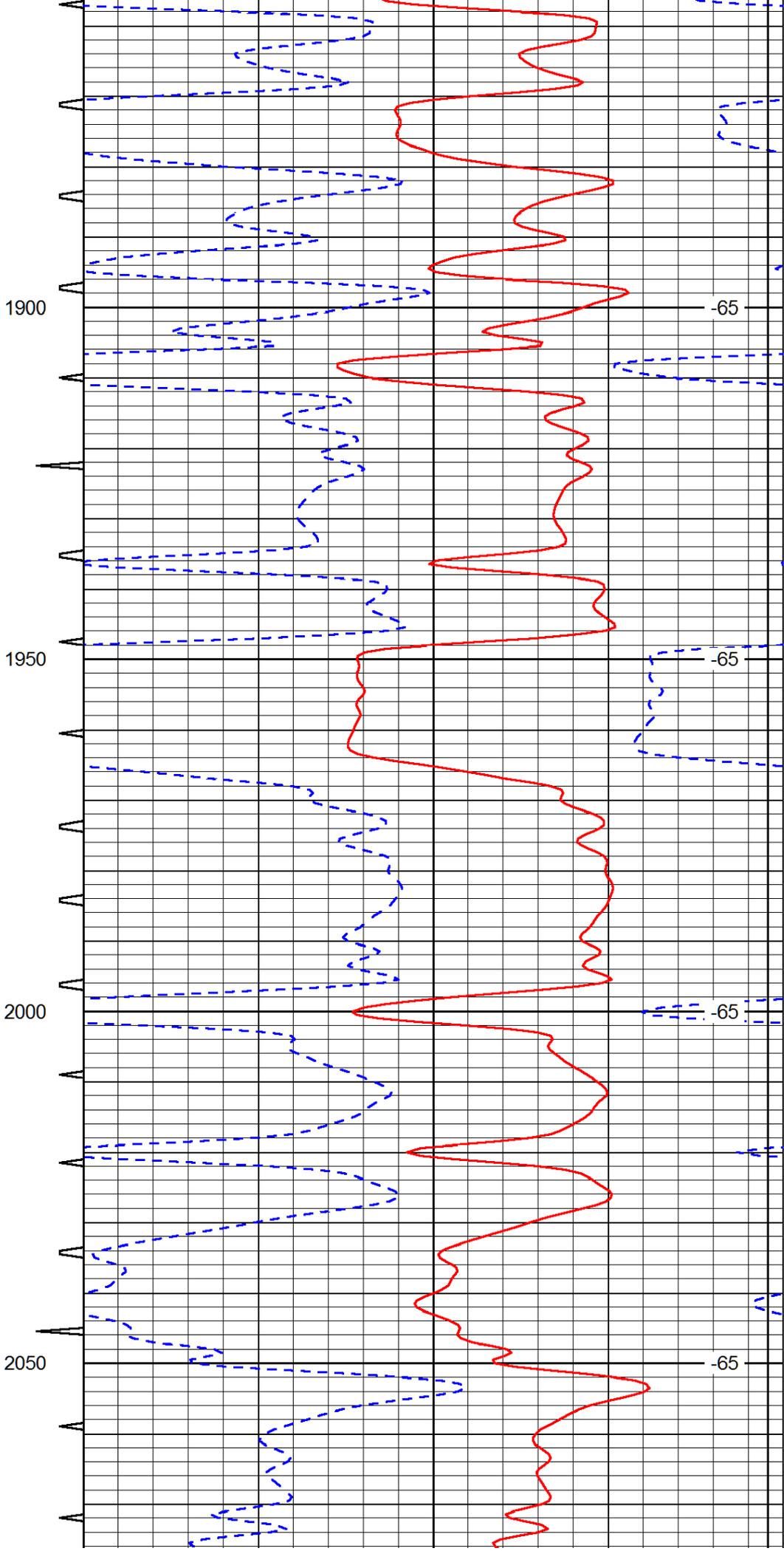
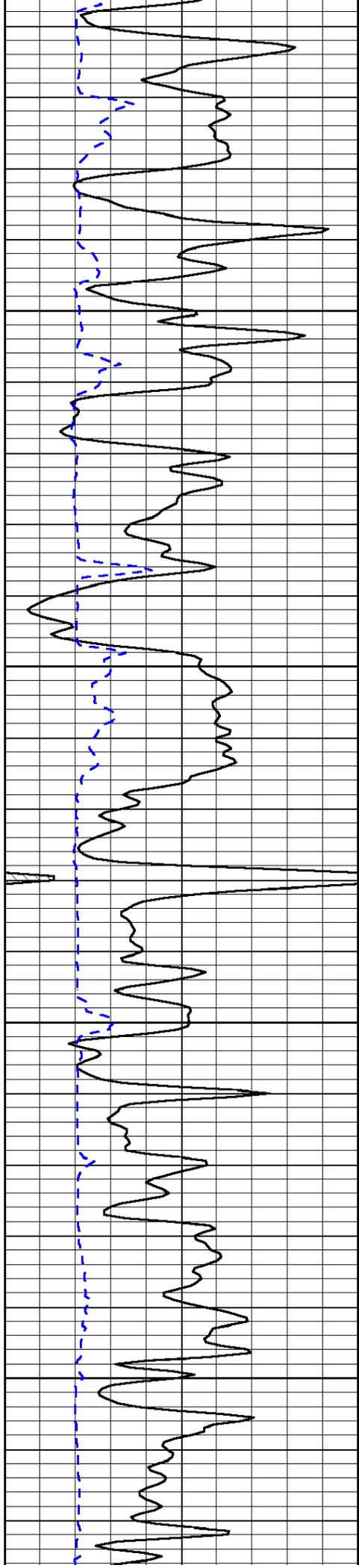


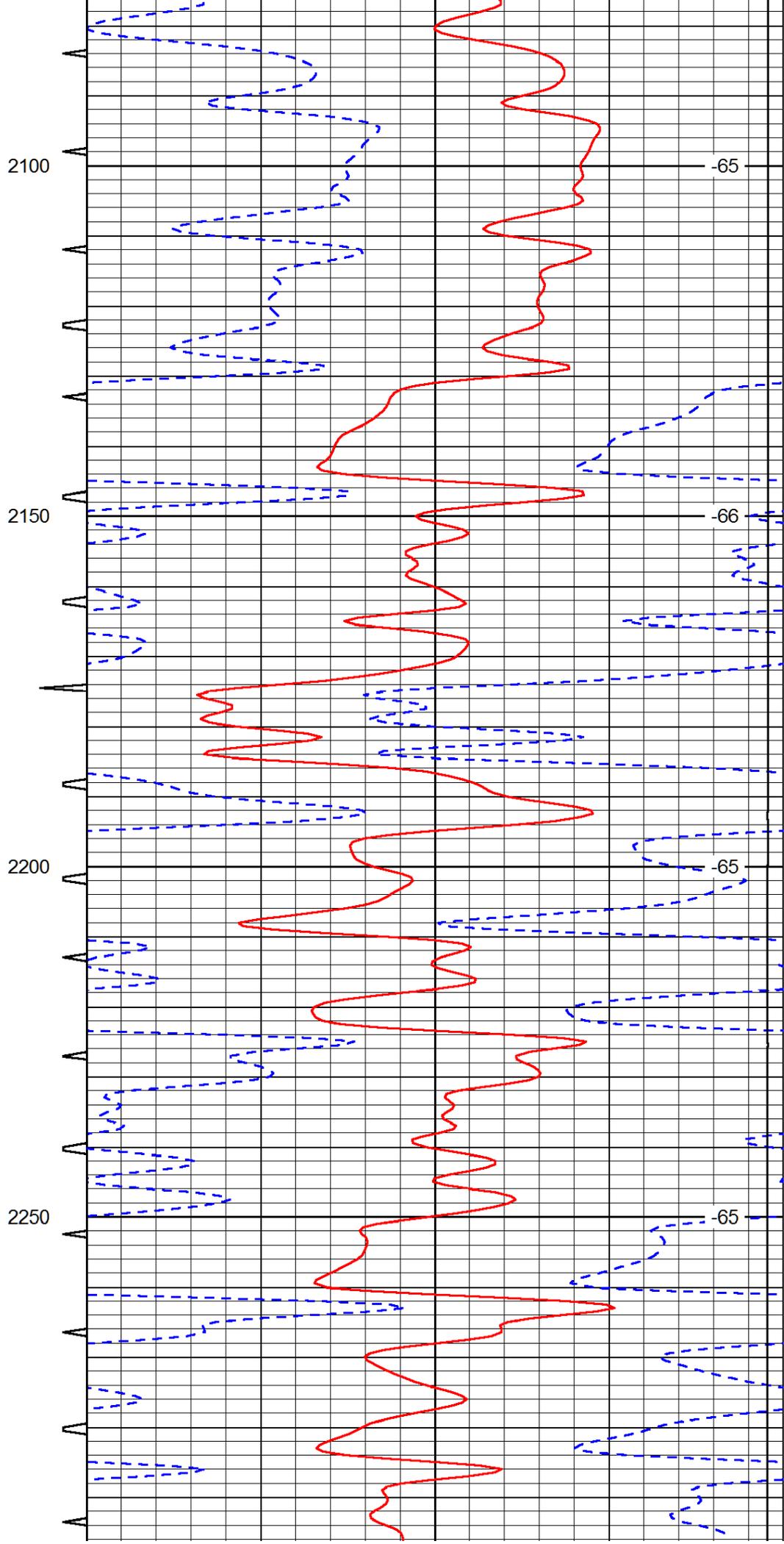
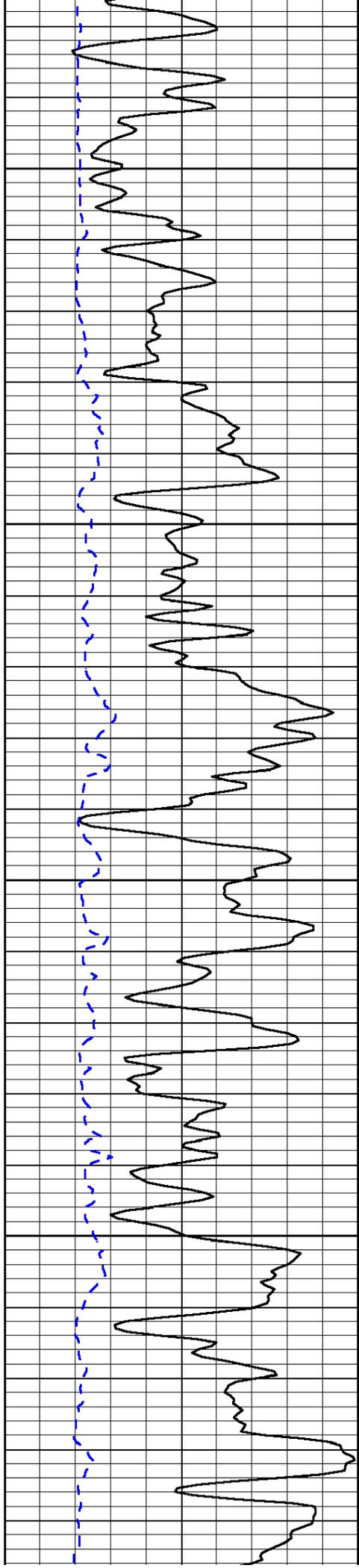


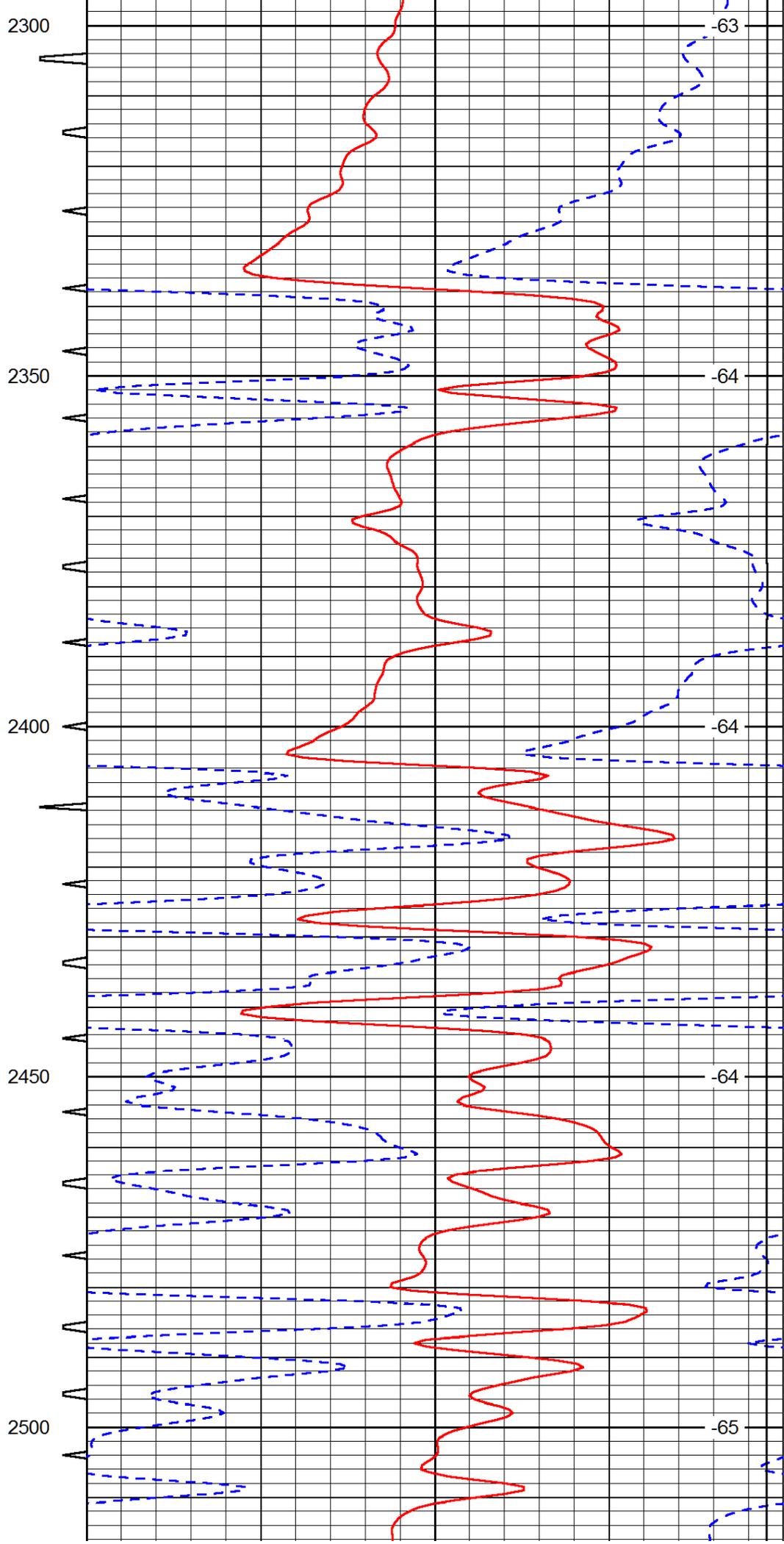
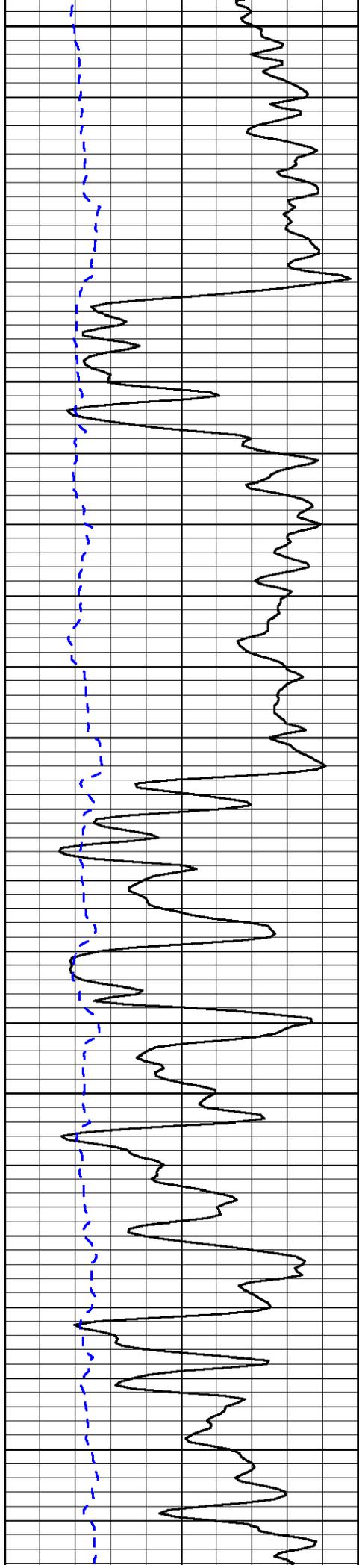


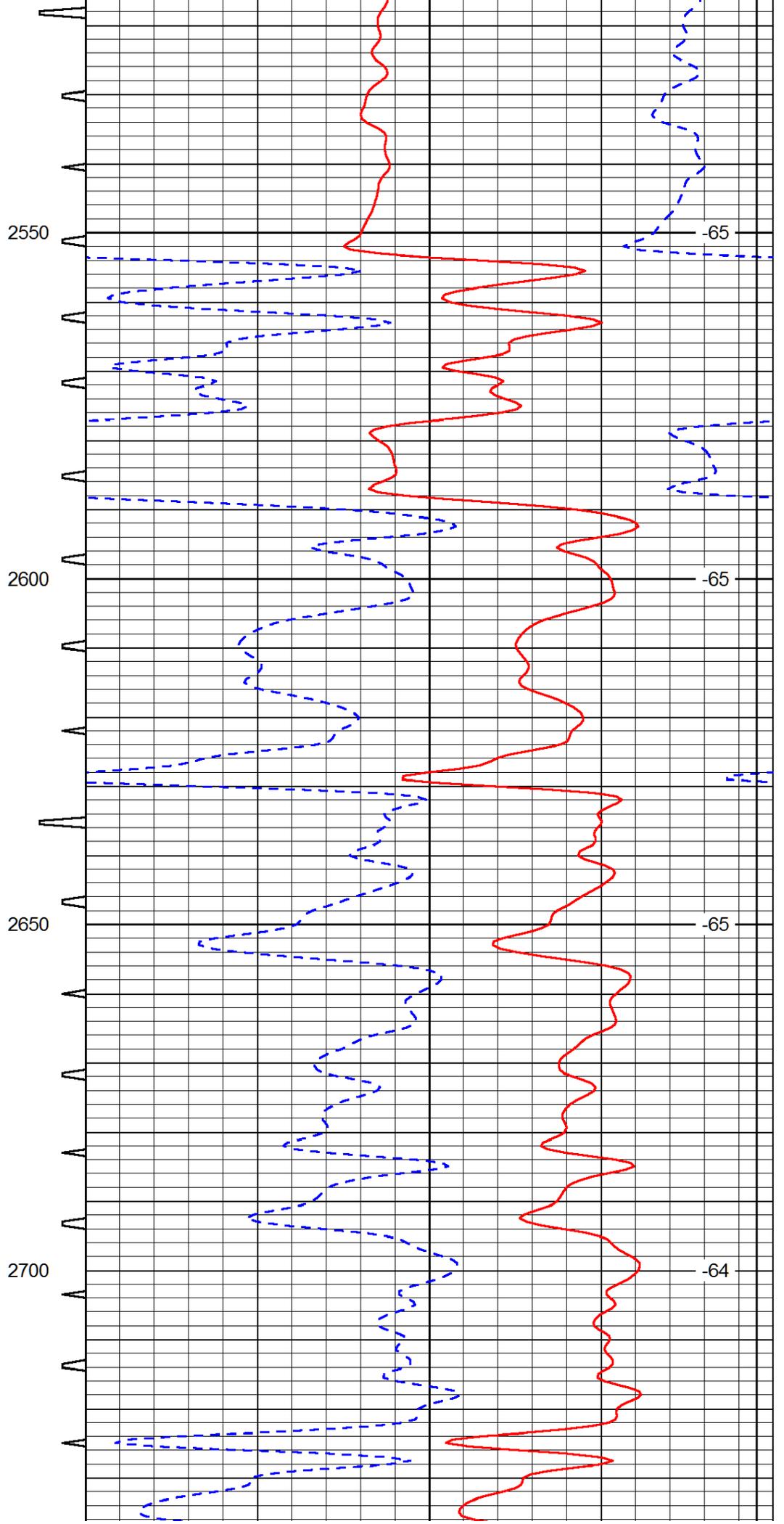
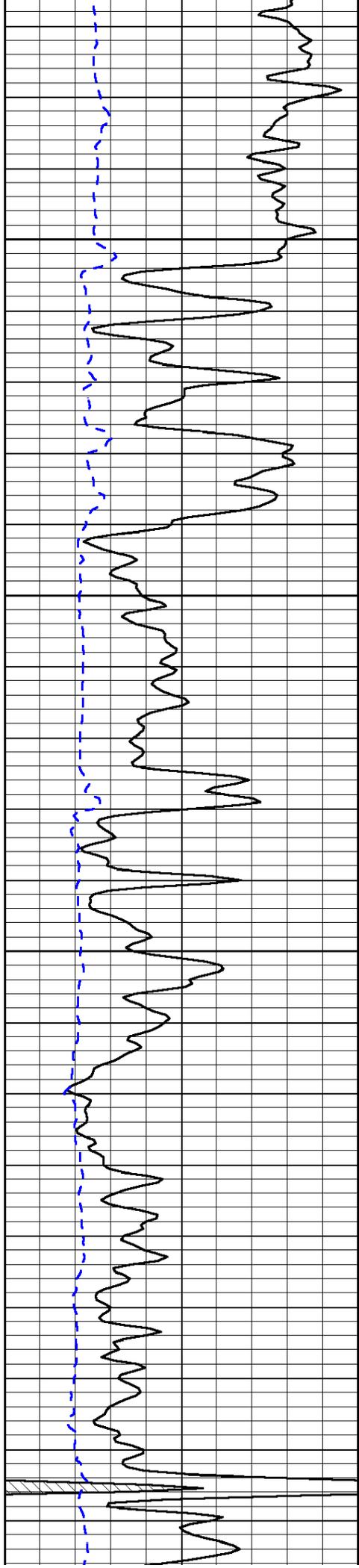


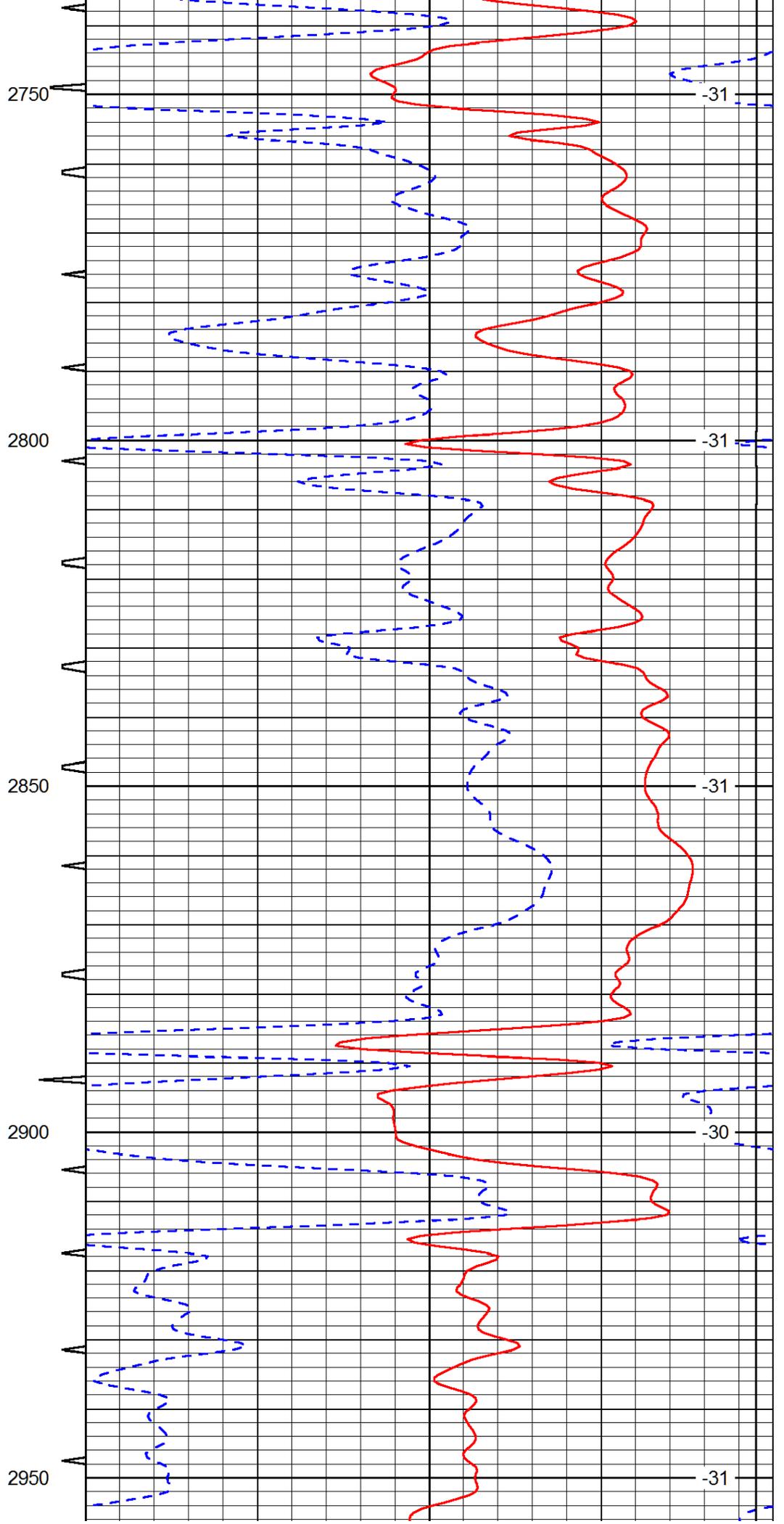
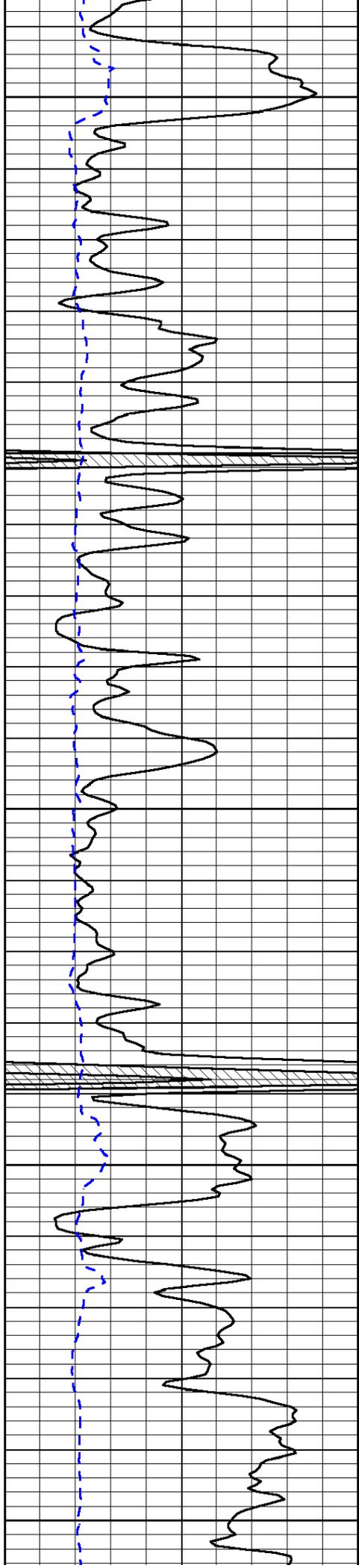


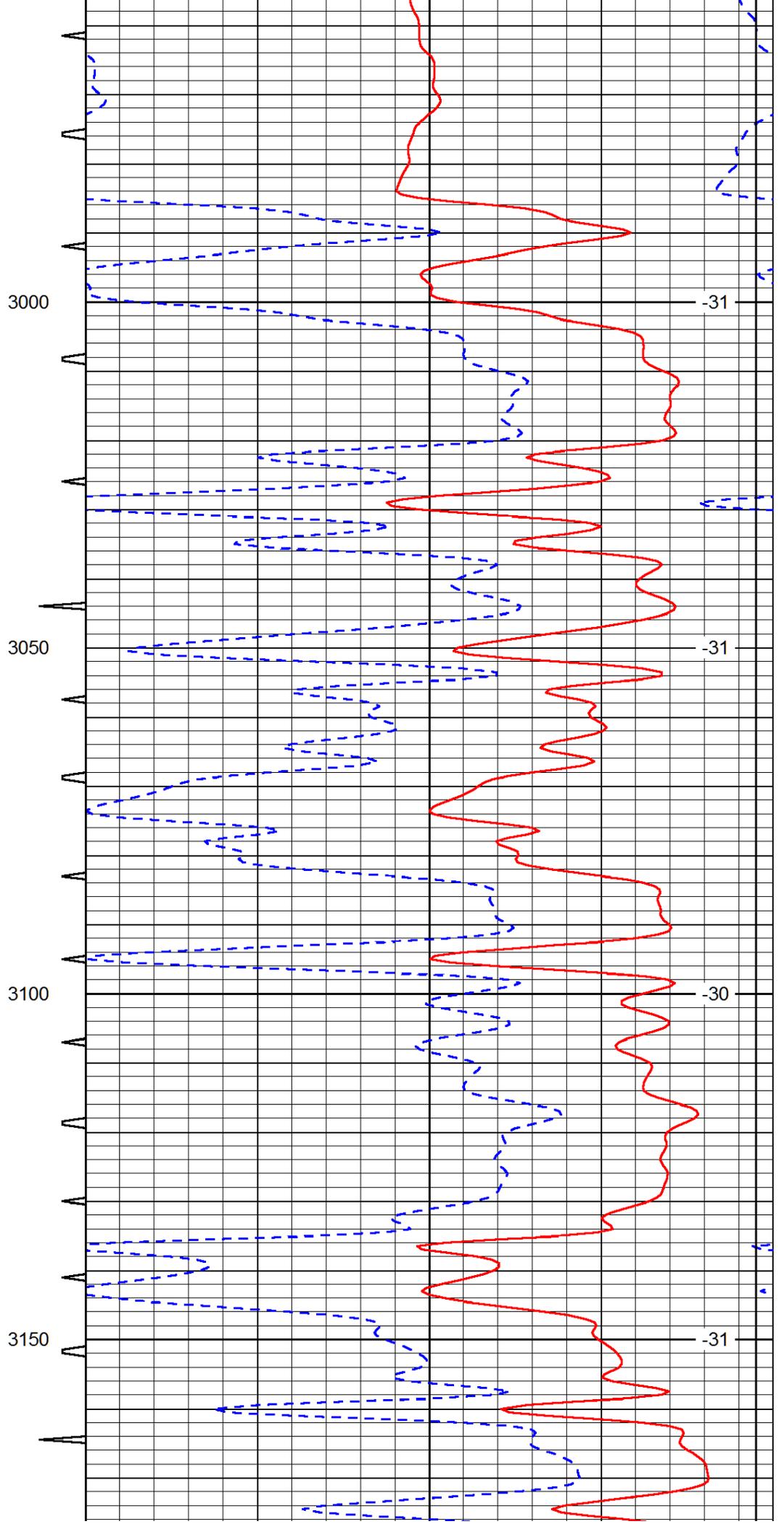
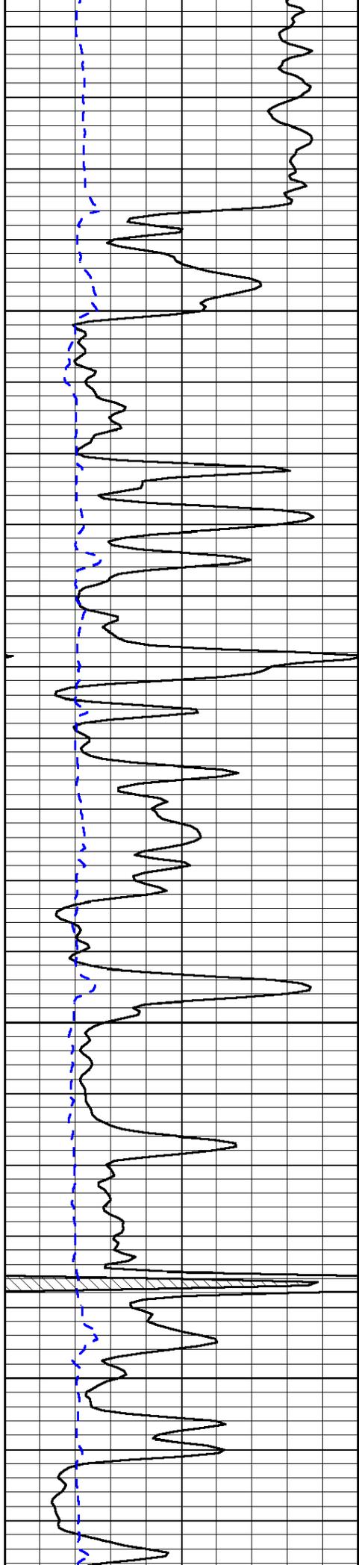


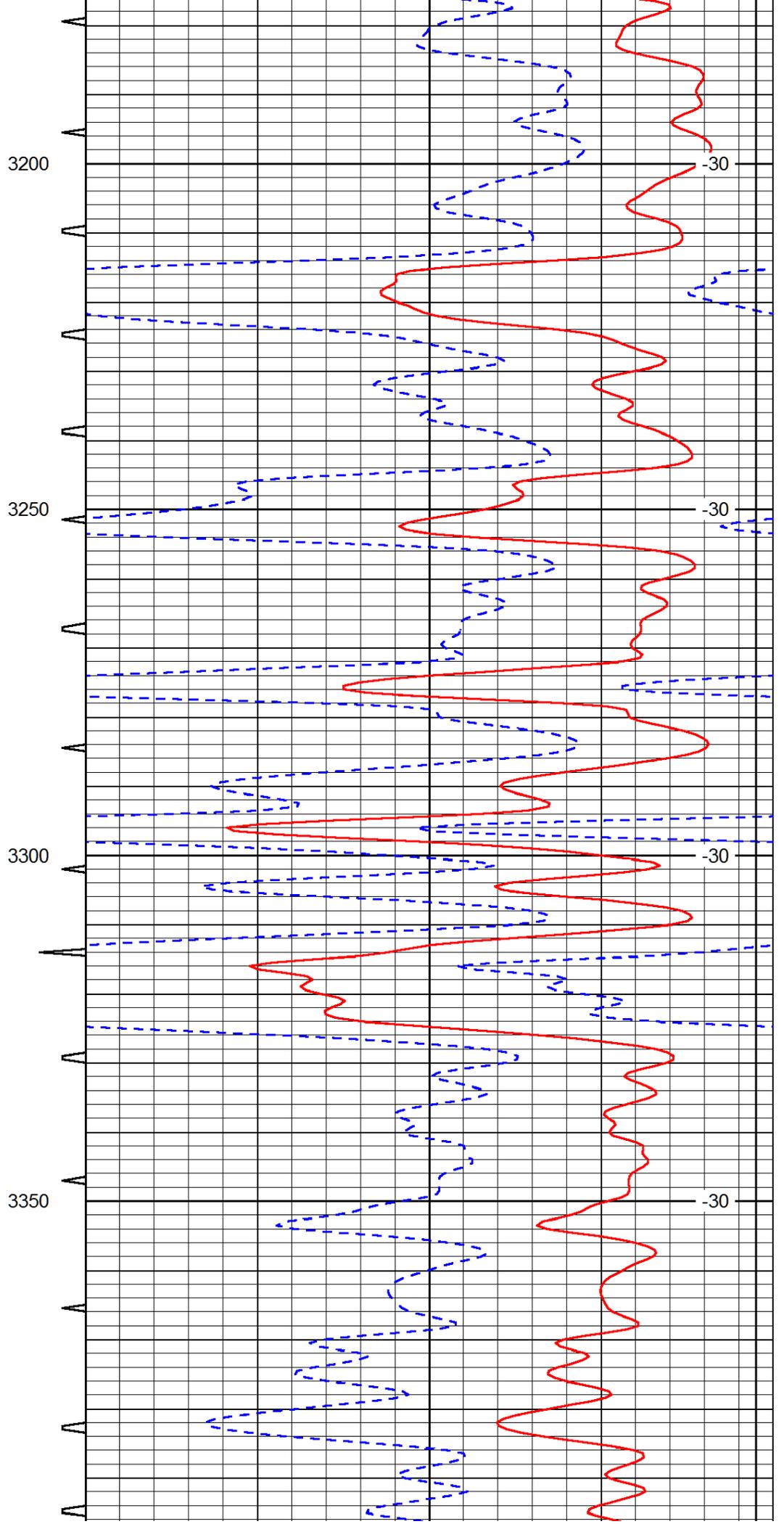
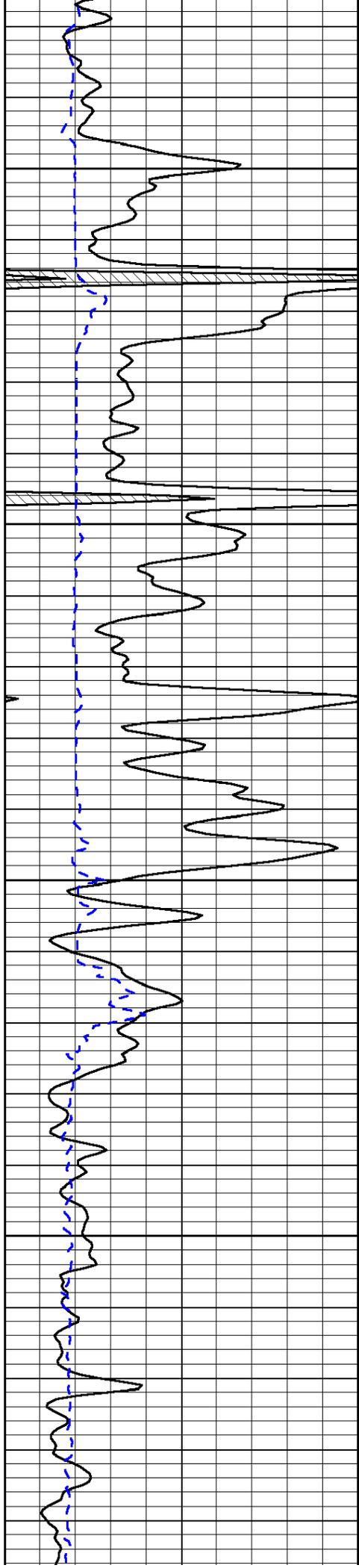


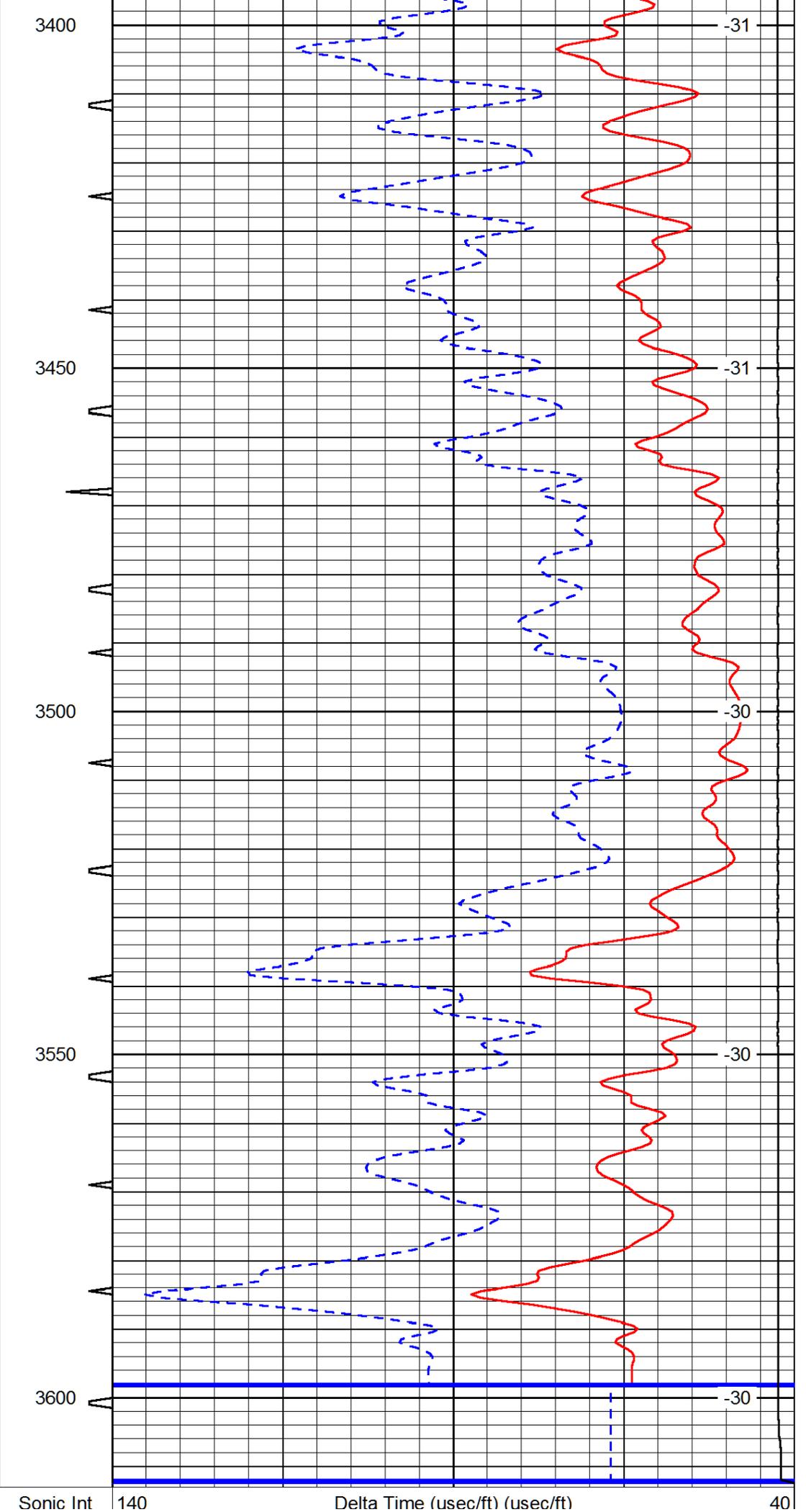
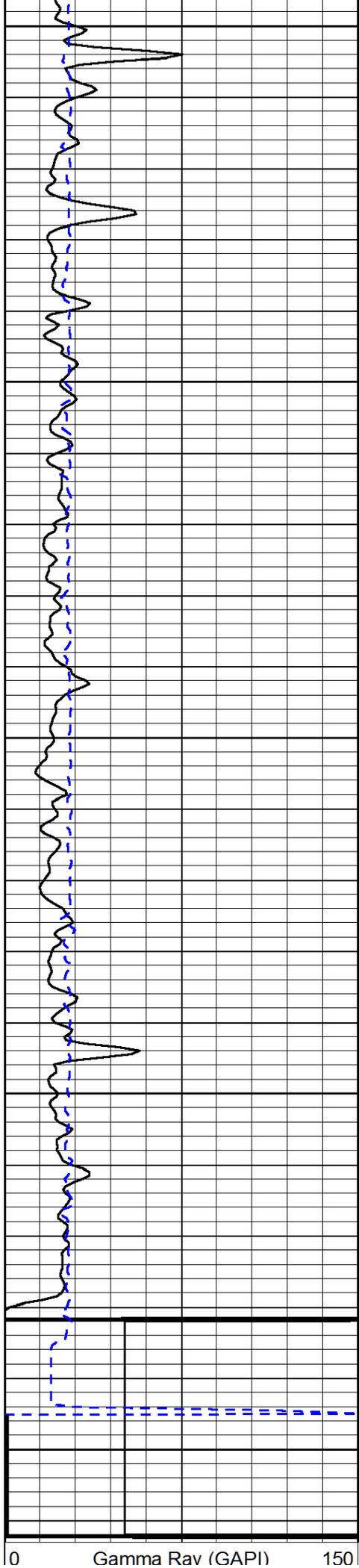












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