



PIONEER

Pioneer Energy Services

Borehole Compensated Sonic Log

API No.

15-193-20,946-00-00

Company Brito Oil Company, Inc.

Well Studer No. 1-9

Field

County Thomas

State Kansas

Location 1,900' FNL & 1,600' FEL

Sec: 9

Twp: 6S

Rge: 35W

Other Services
CNL/CDL
MEL/DIL

Permanent Datum Ground Level Elevation 3300

Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

K.B. 3305
D.F.
G.L. 3300

Date 1/18/2015

Run Number Two

Type Log BHC Sonic

Depth Driller 4840

Depth Logger 4844

Bottom Logged Interval 4833

Top Logged Interval 350

Type Fluid In Hole Chemical

Salinity, PPM CL 5400

Density 9.4

Level Full

Max. Rec. Temp. F 124

Operating Rig Time 4 1/2 Hours

Equipment -- Location 108 Hays

Recorded By J. Long

Witnessed By Ken Wallace

Borehole Record

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	344	8.625	23#	00	344
Two	7.875	344	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.

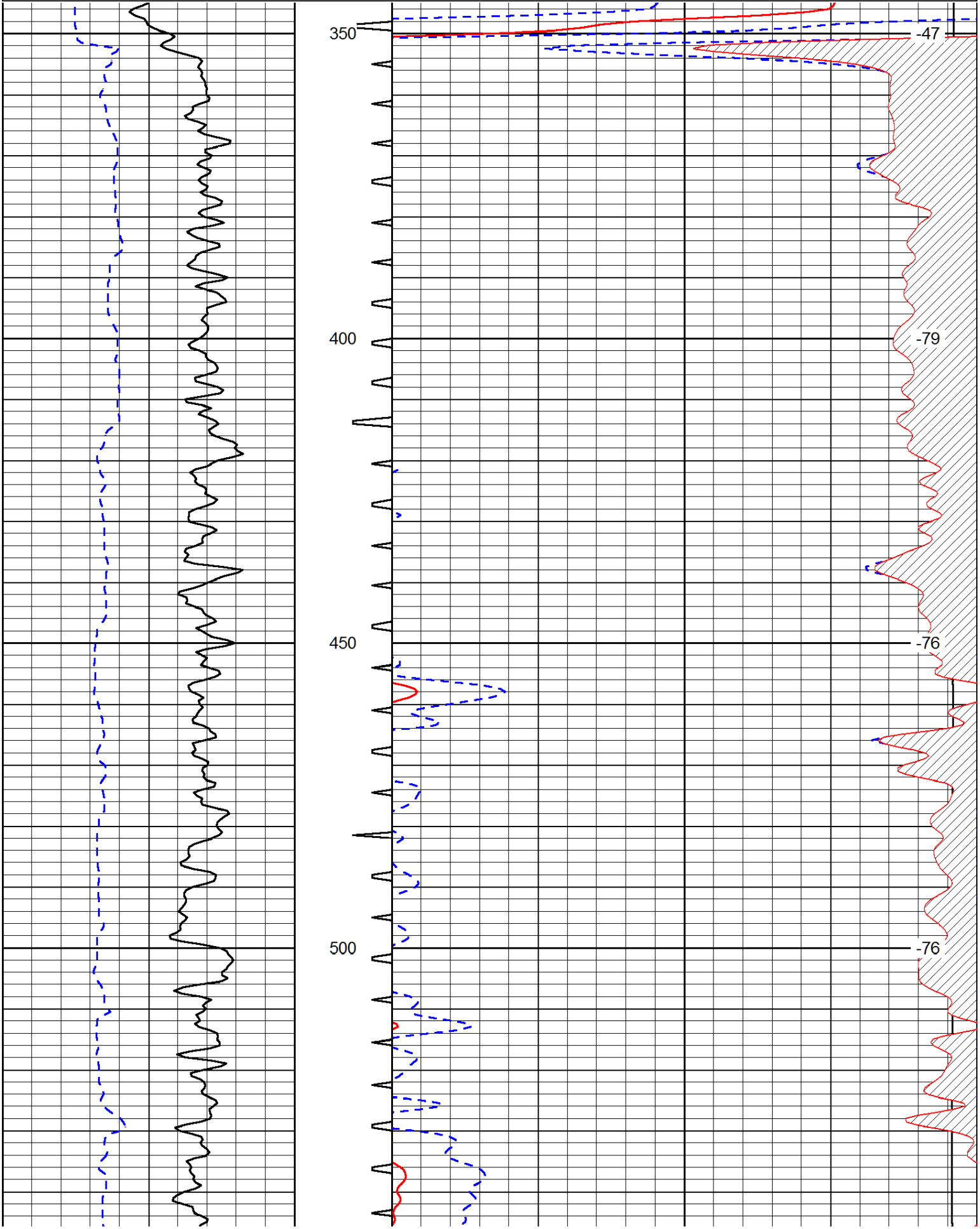
Comments

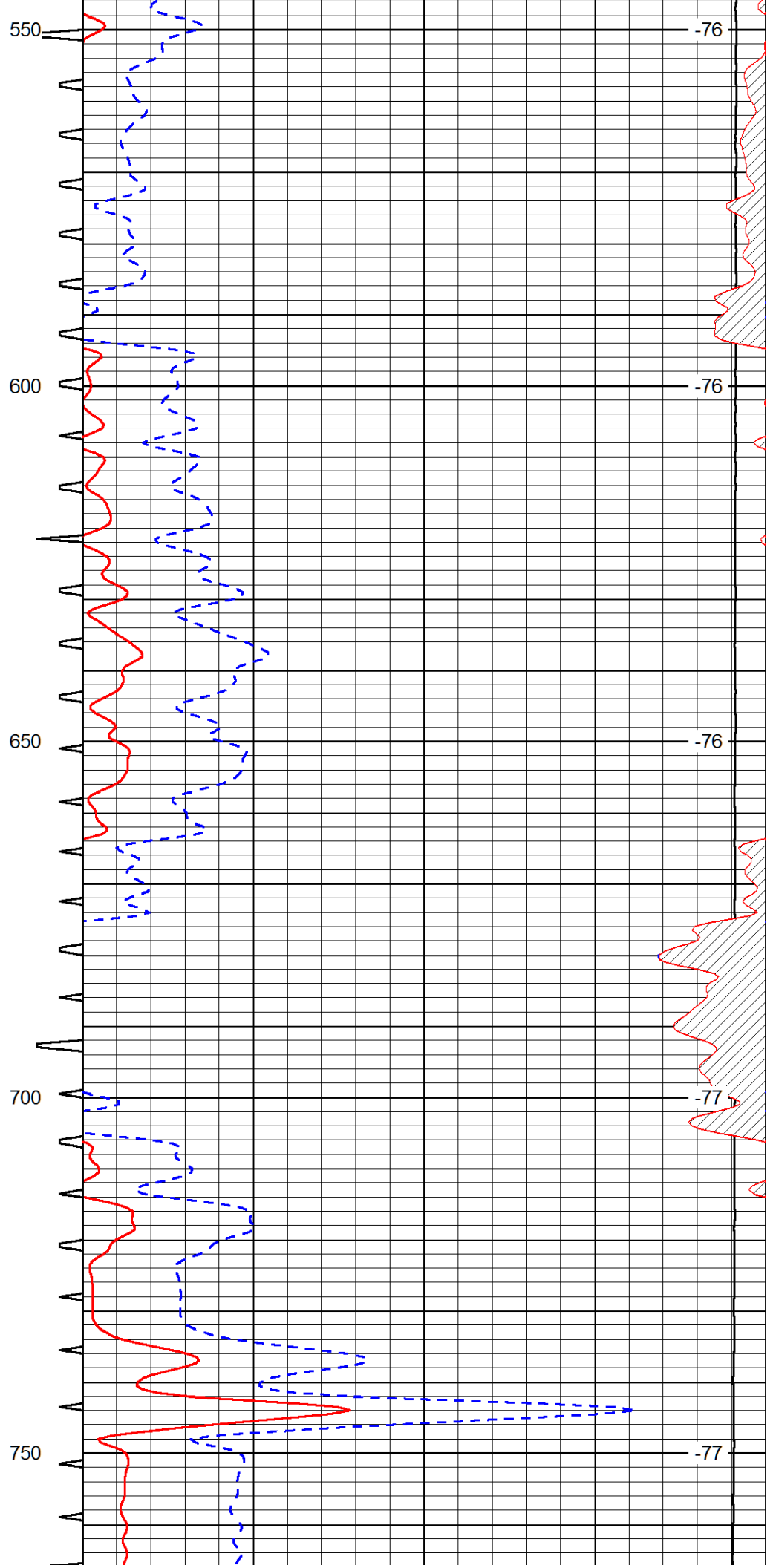
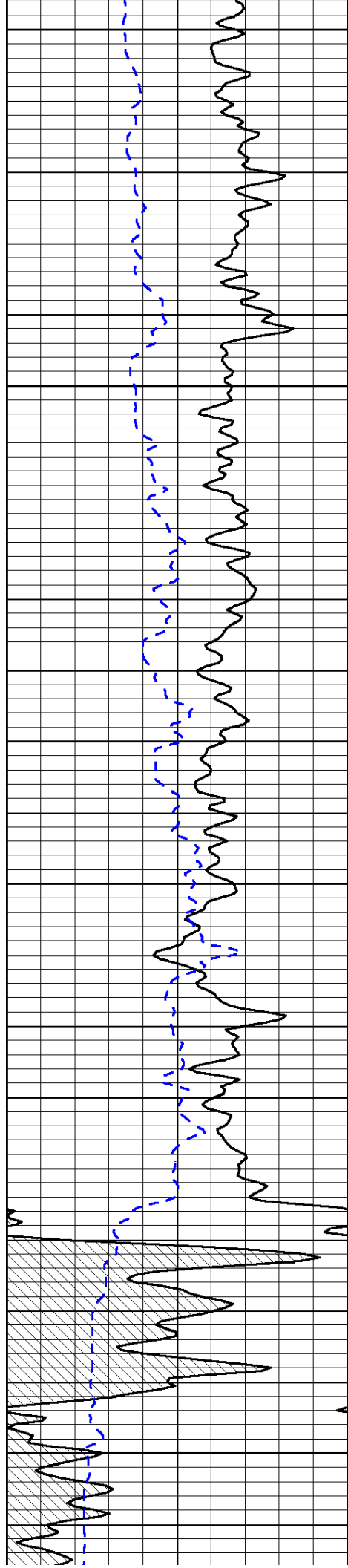
Thank you for using Log-Tech, Inc.
(785) 625-3858

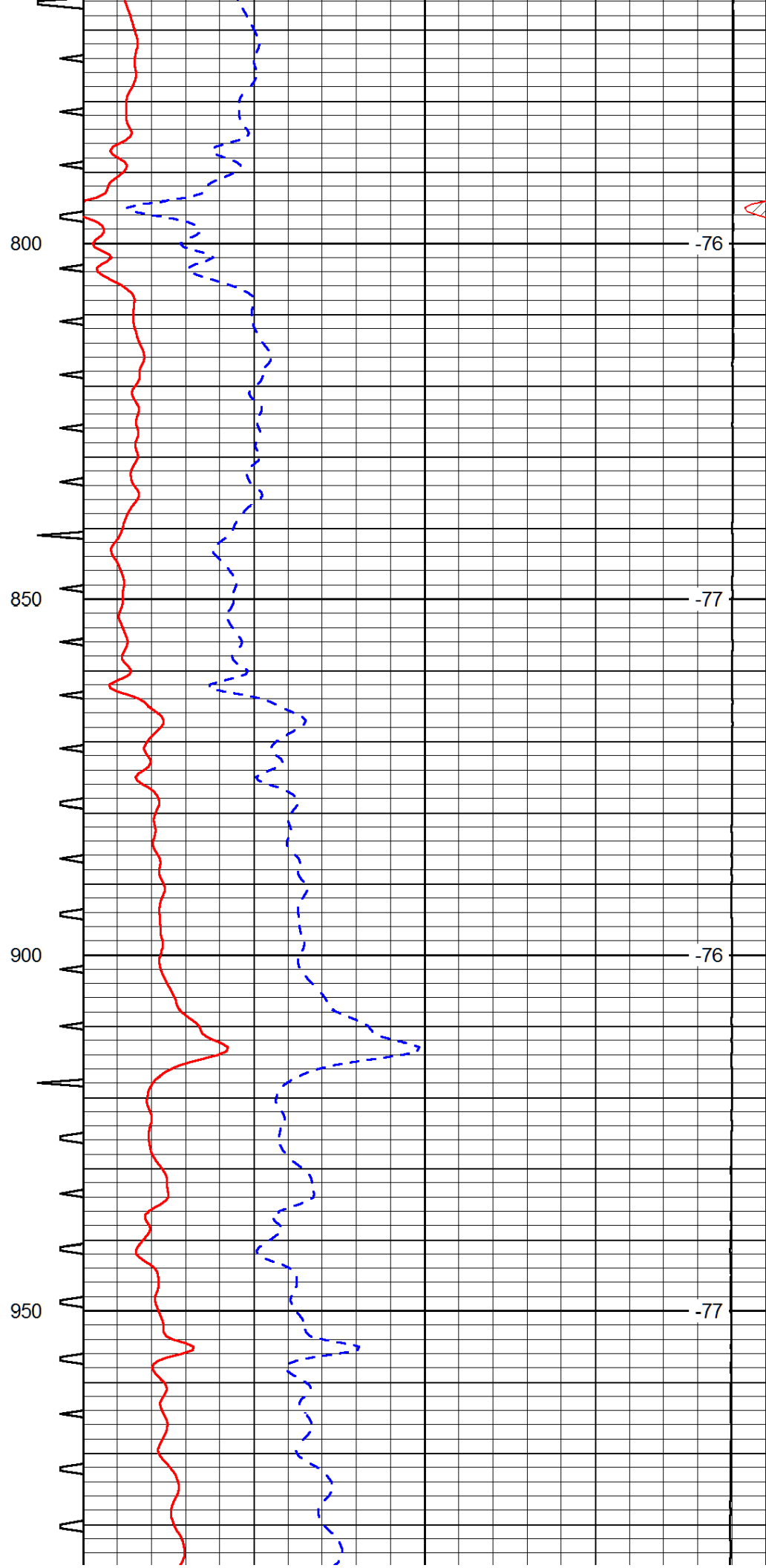
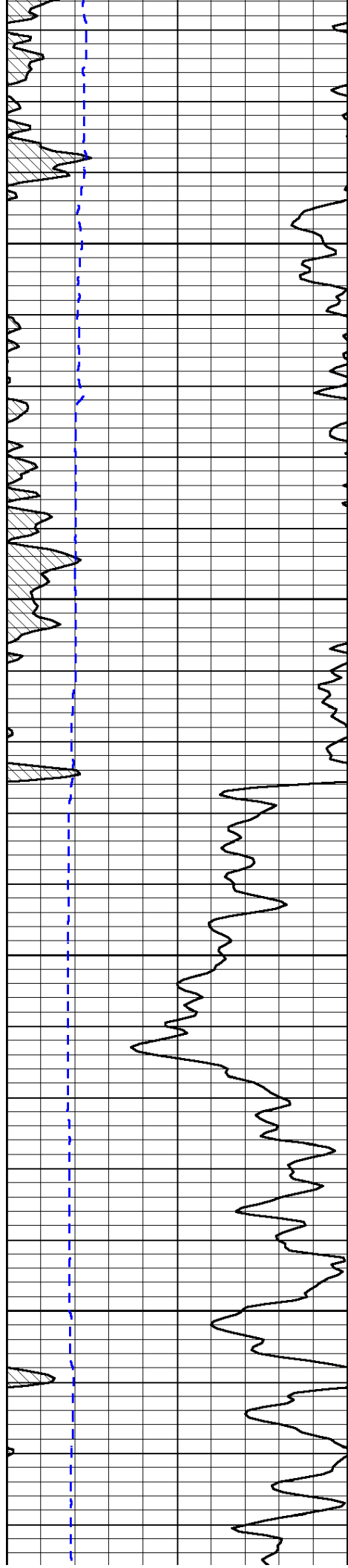
Levant, 11 North from Railroad Tracks, 1 West, 1 North, 1/4 West, South Into

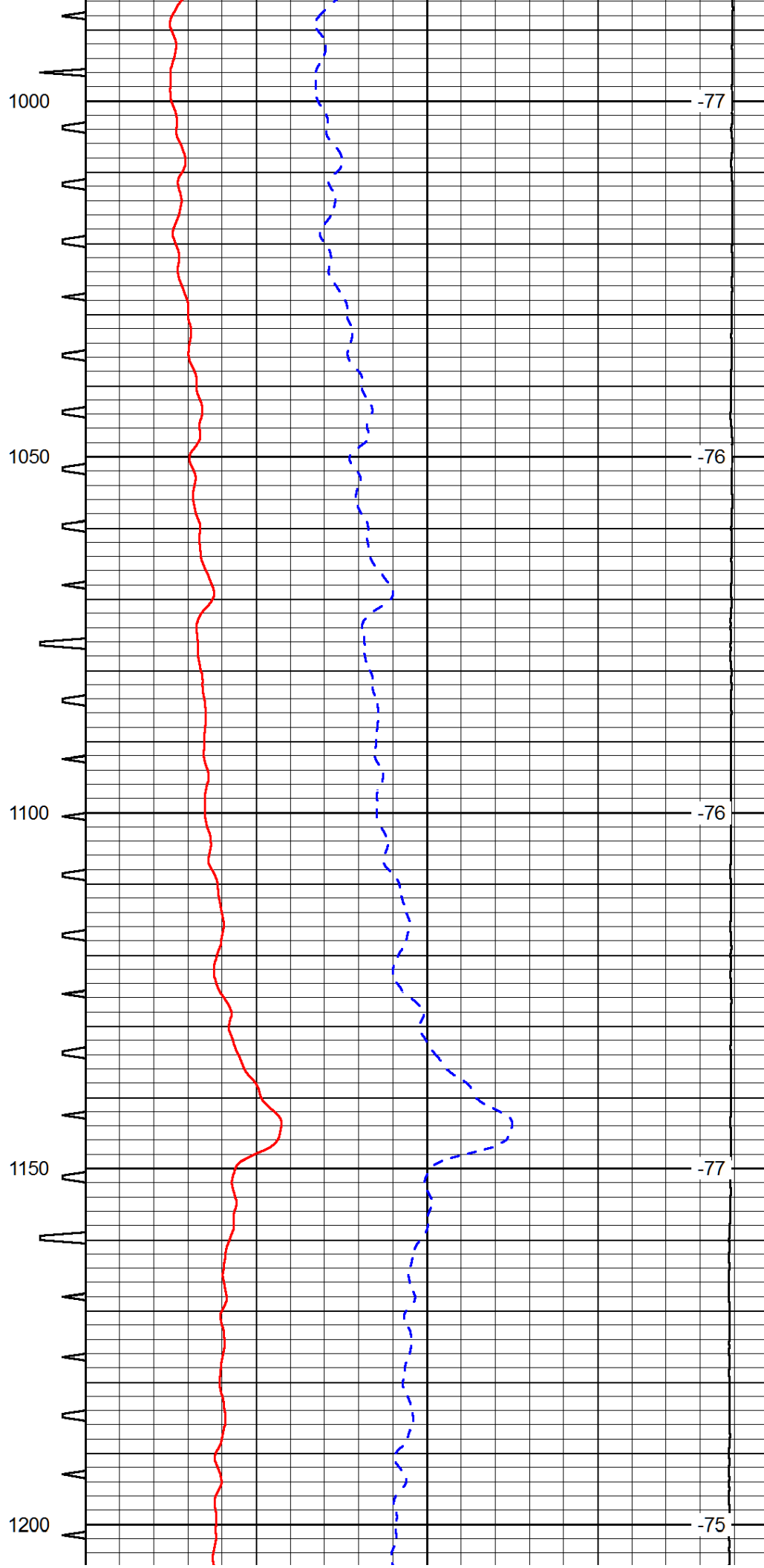
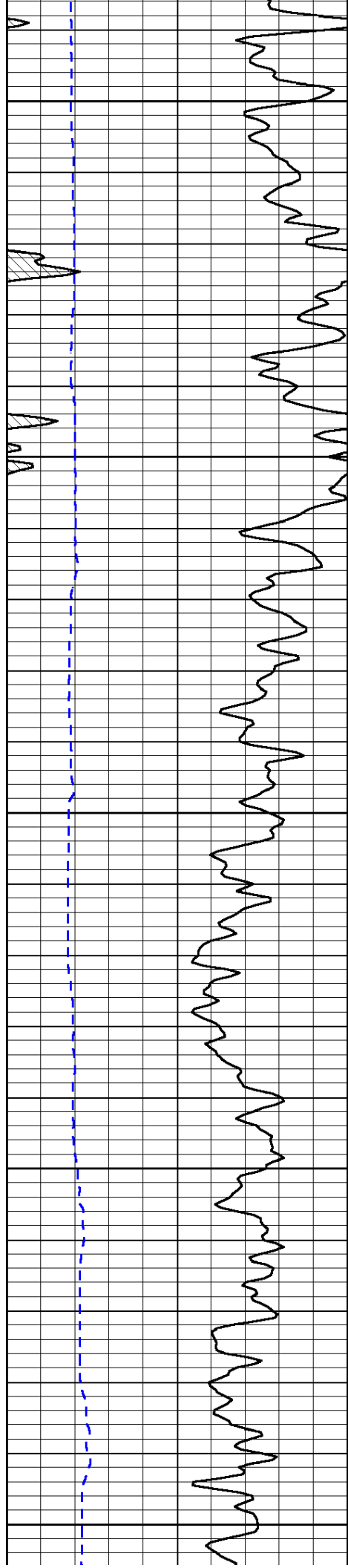
Database File: brito_studer_1-9hd.db
Dataset Pathname: dil/britstck
Presentation Format: sonic
Dataset Creation: Sun Jan 18 20:56:38 2015
Charted by: Depth in Feet scaled 1:240

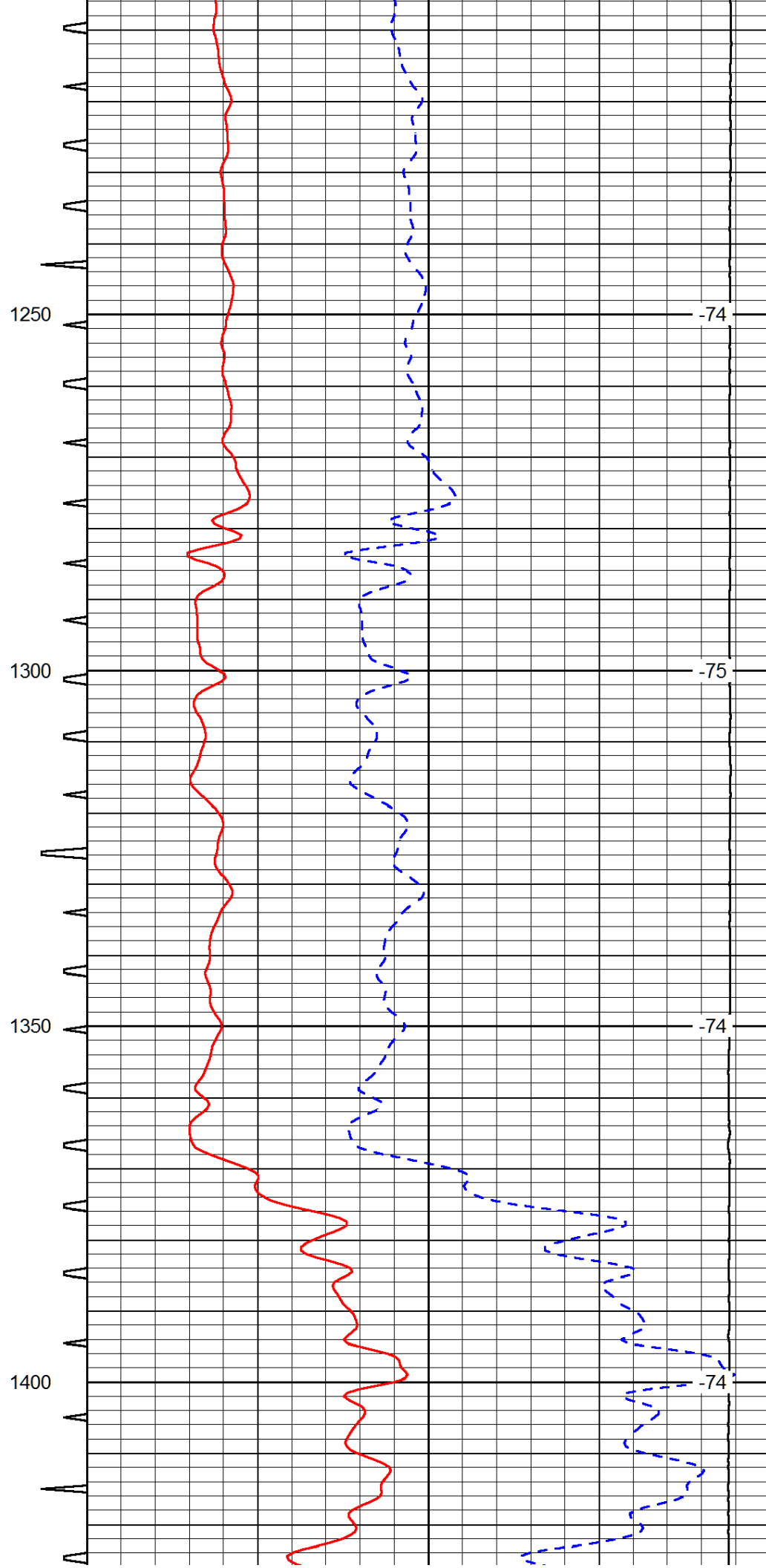
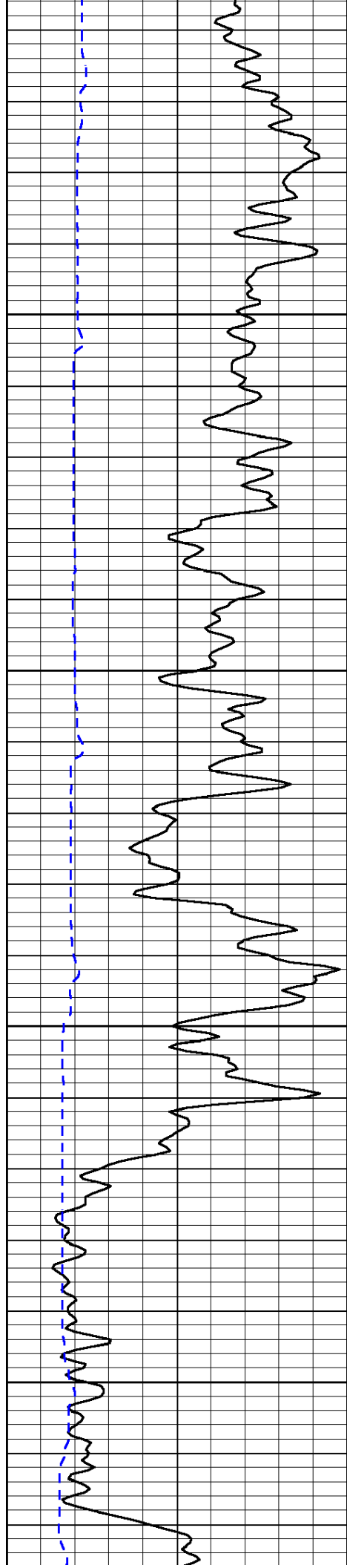
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40
150	Gamma Ray	300	5	0	Sonic Porosity	-10
6	dCAL (GAPI)	16		15000	LTEN (lb)	0
						LSPD

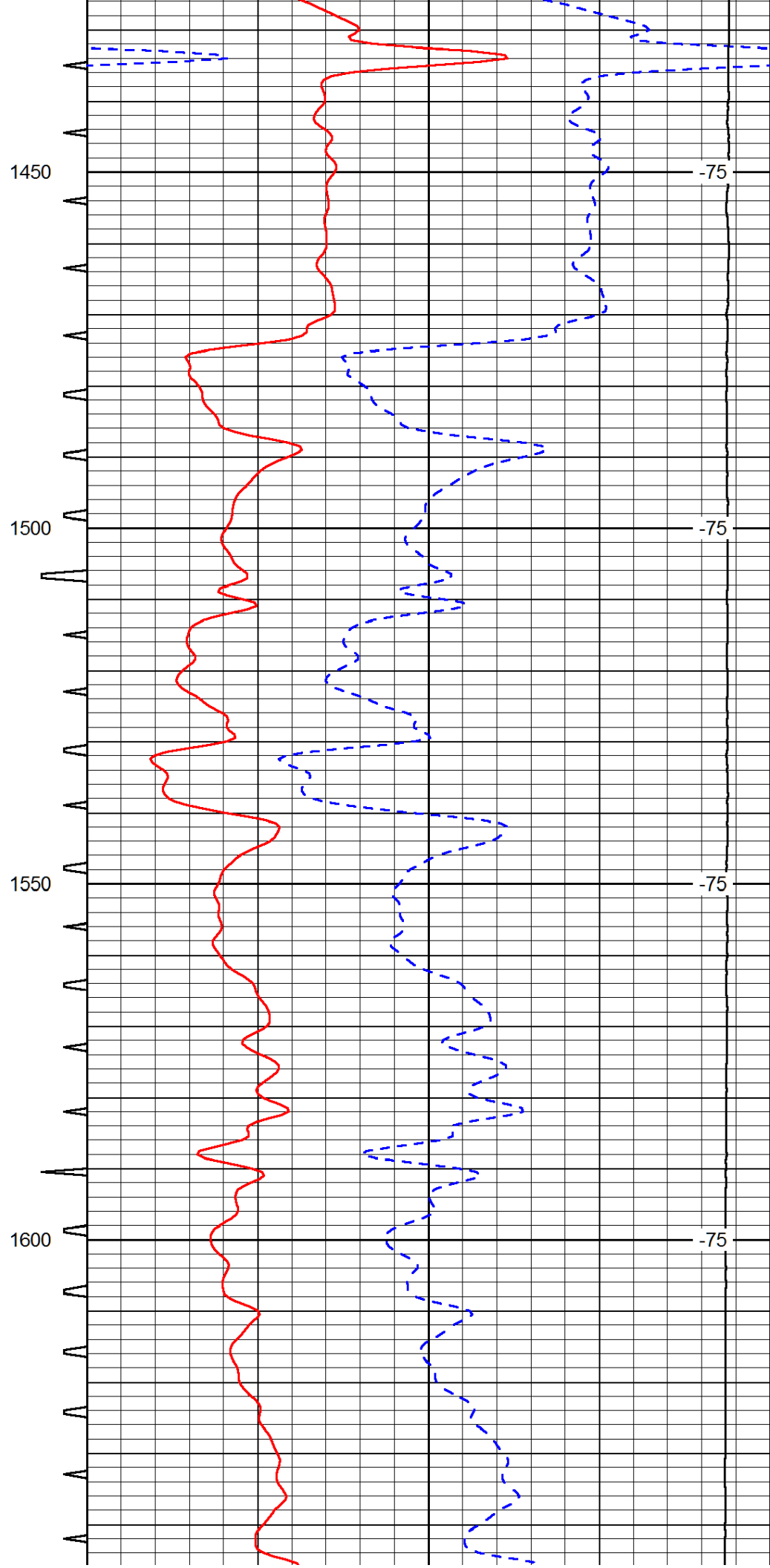
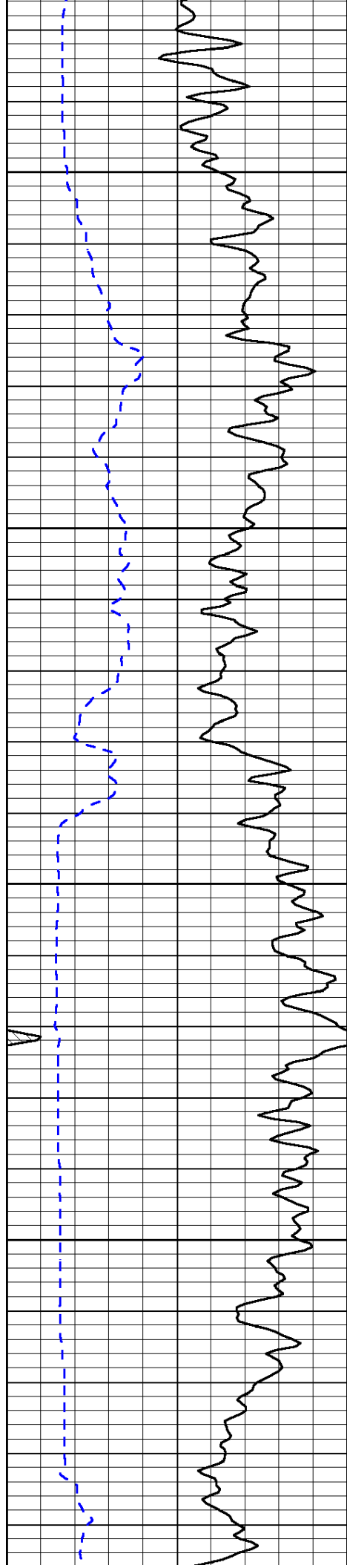


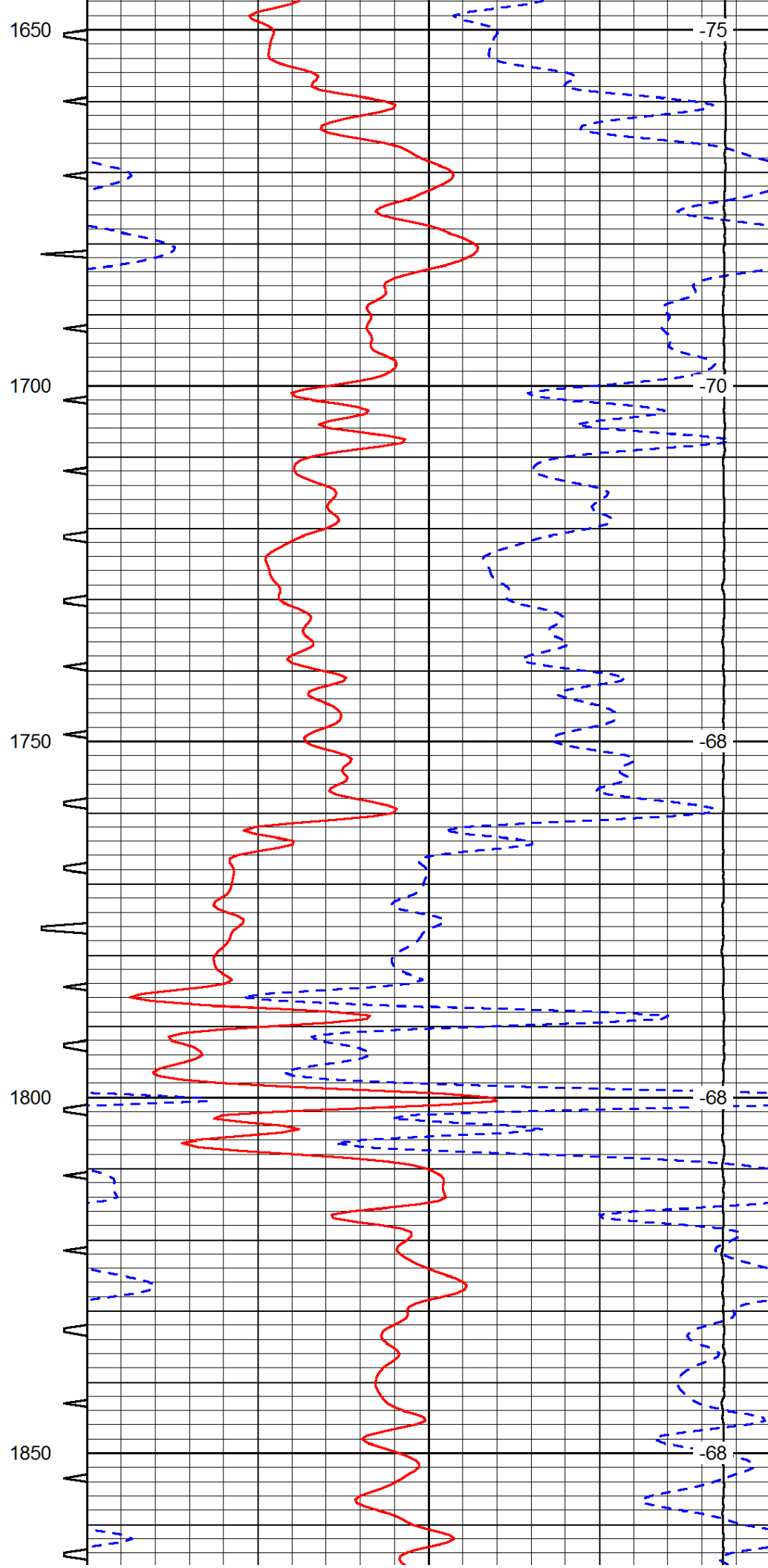
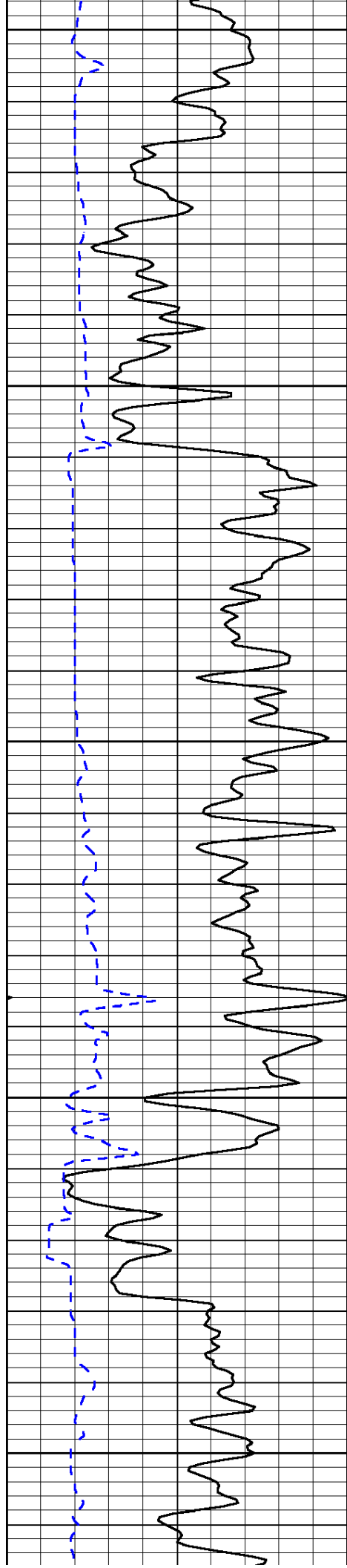


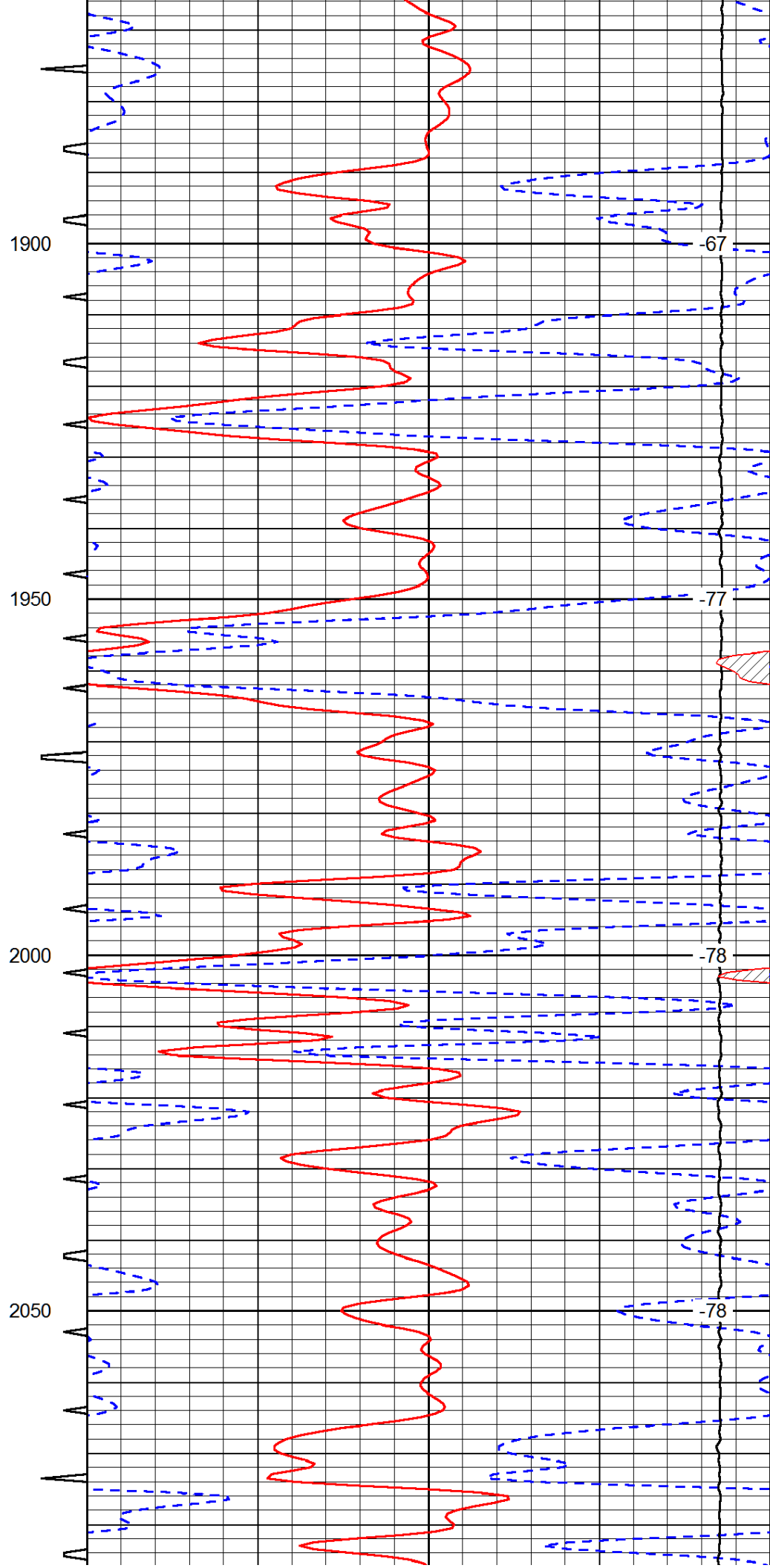
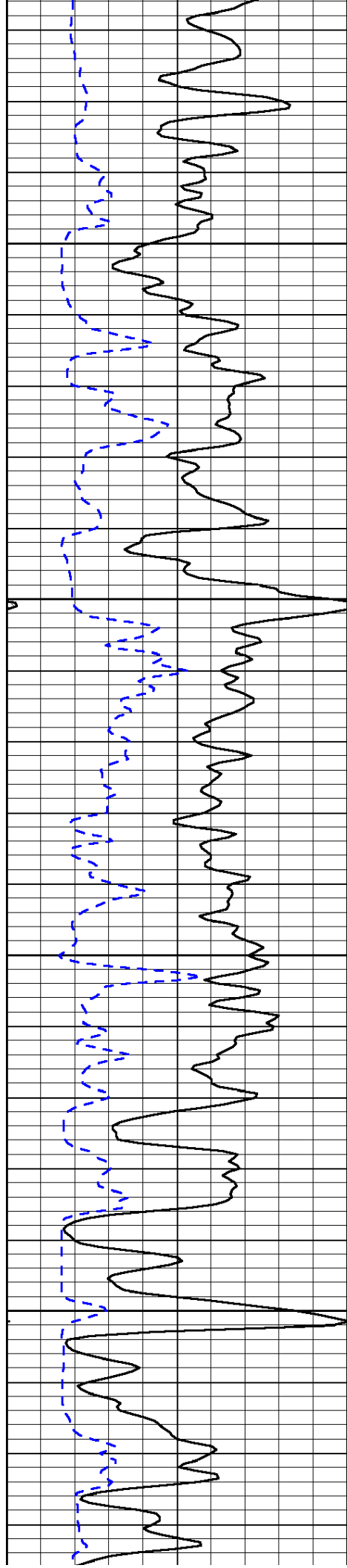


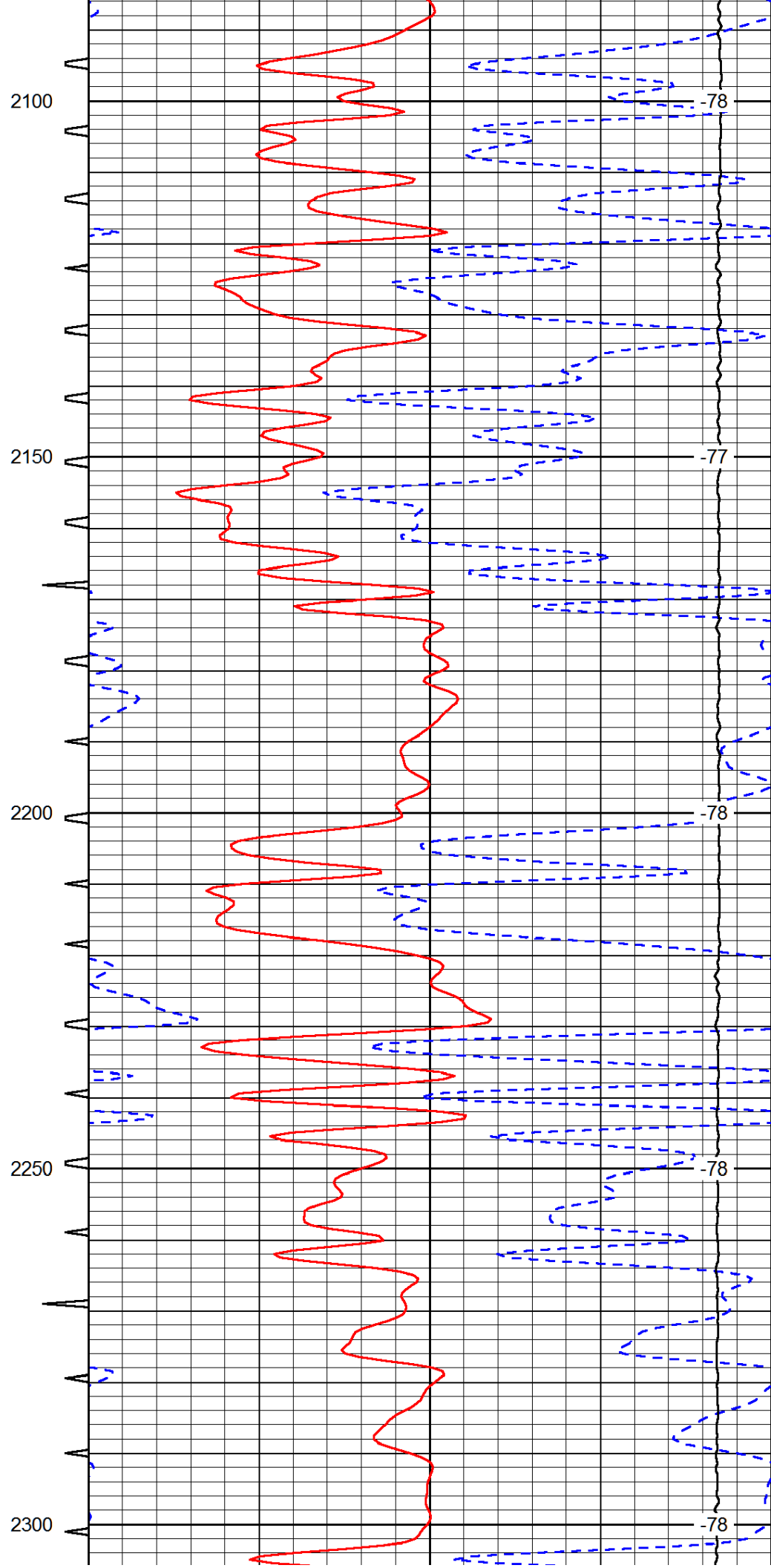
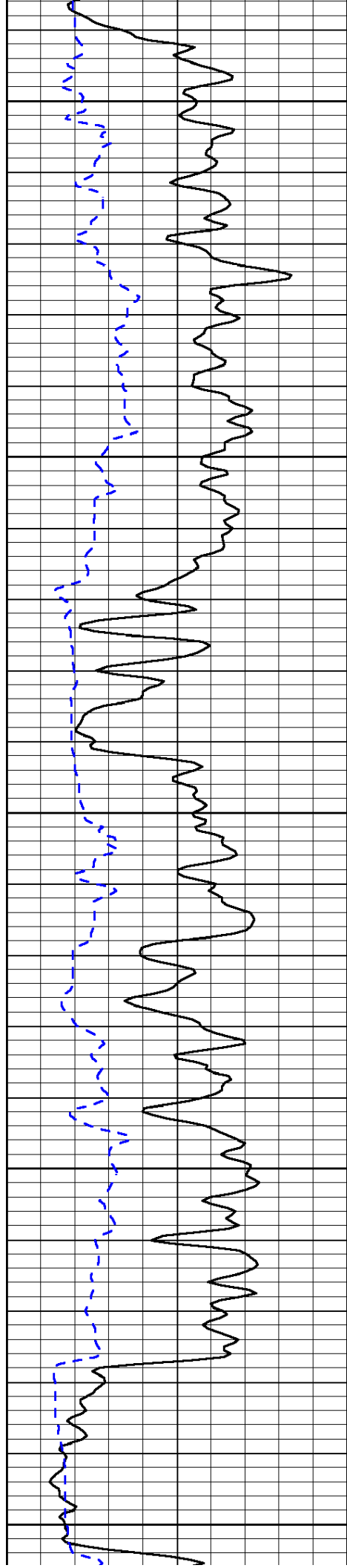


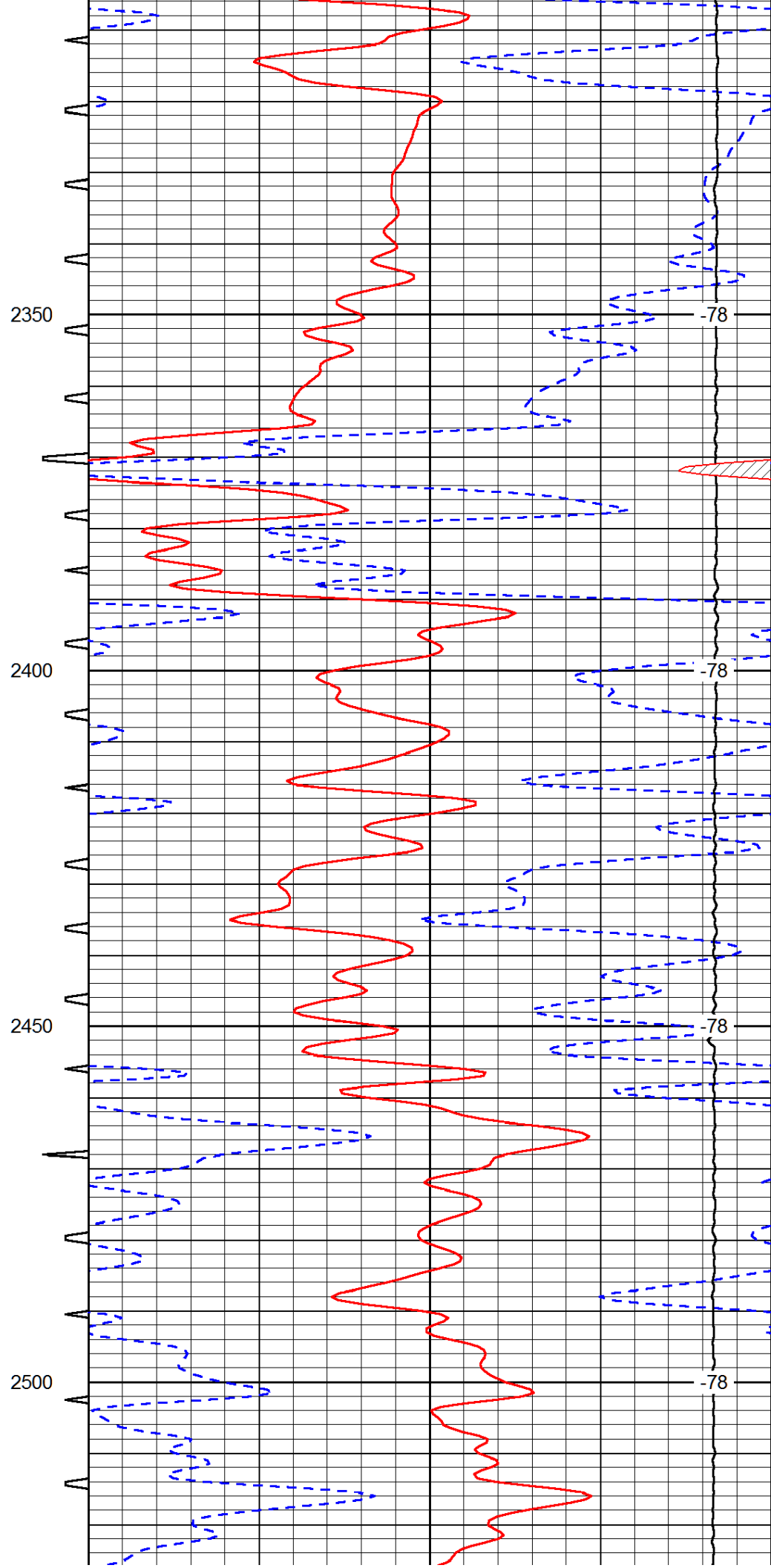
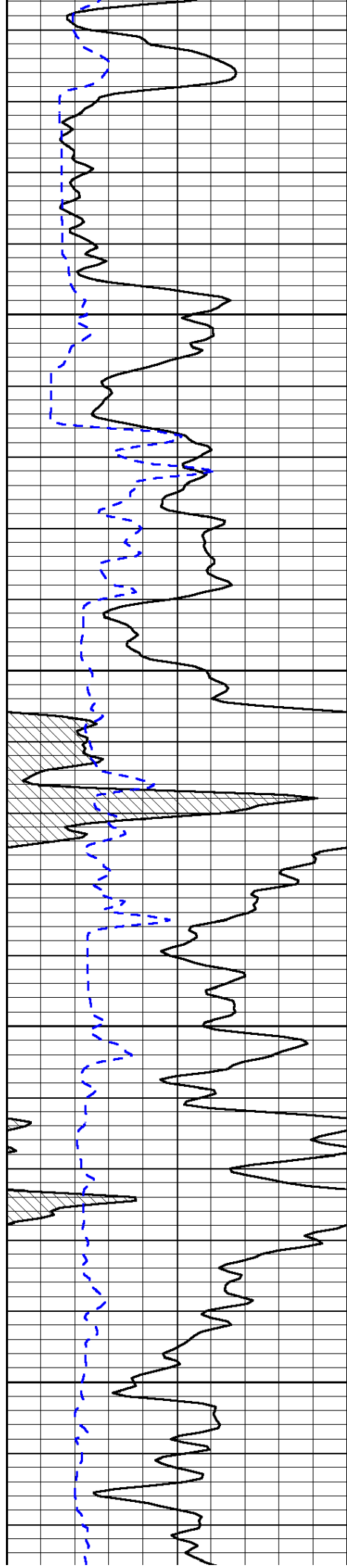


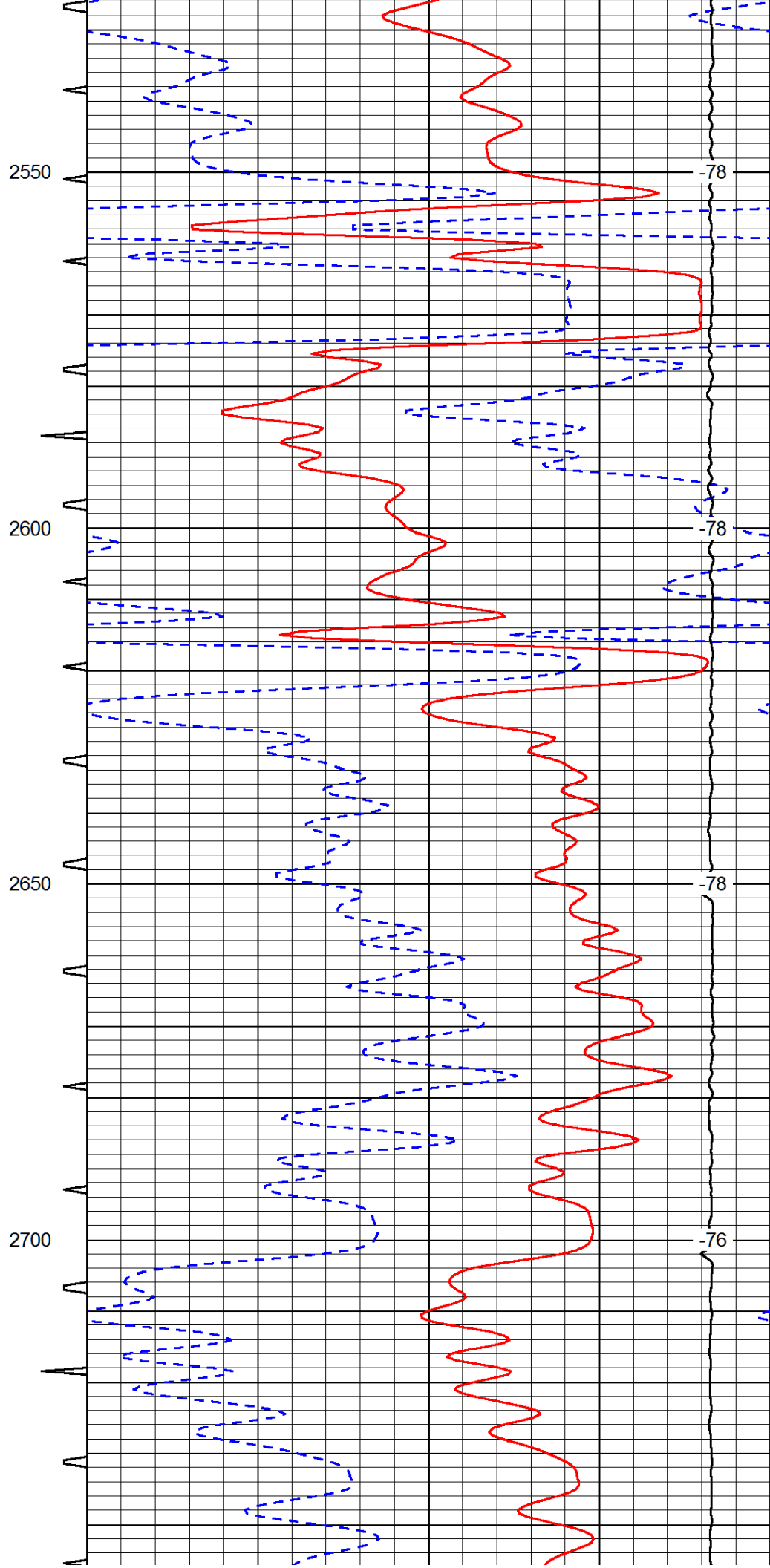
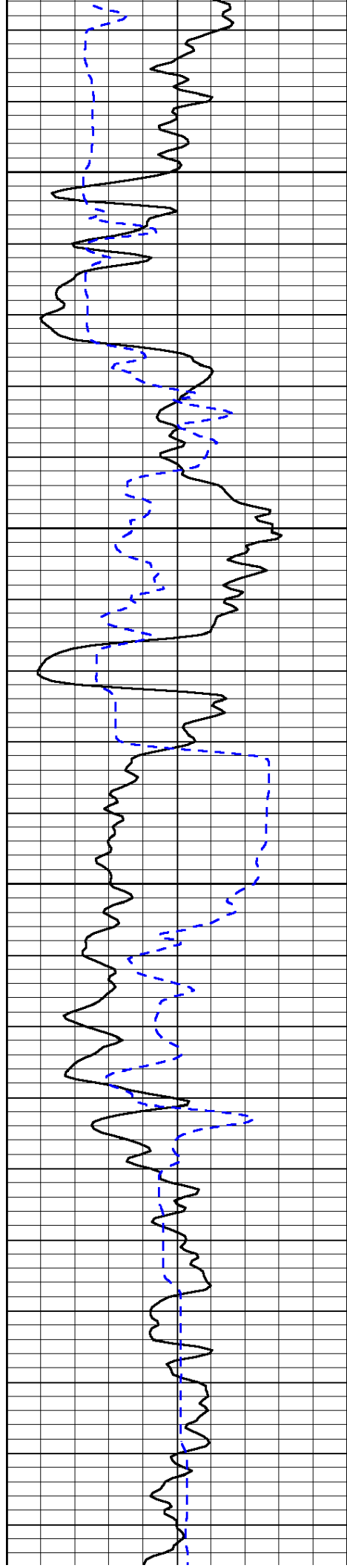


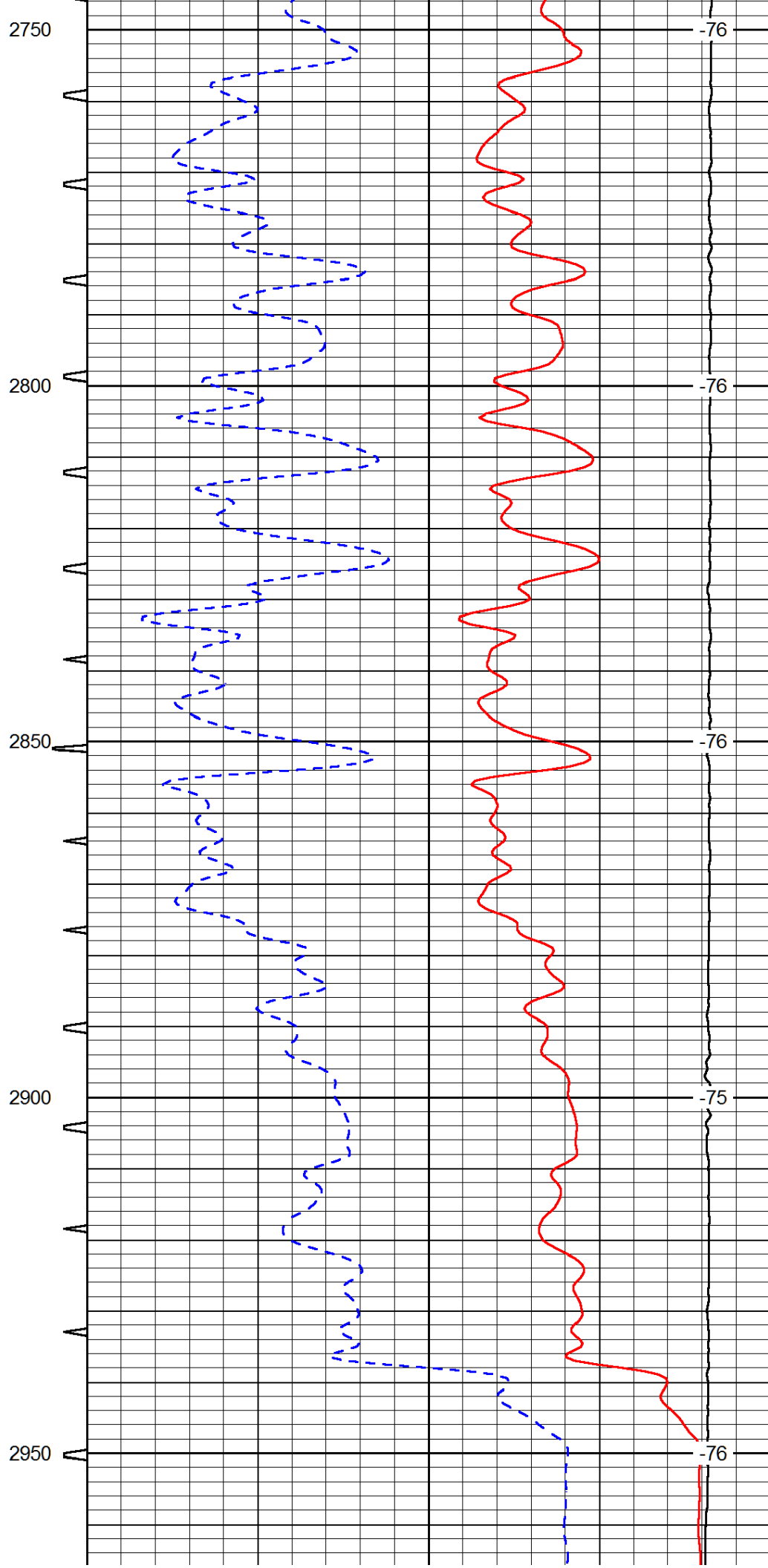
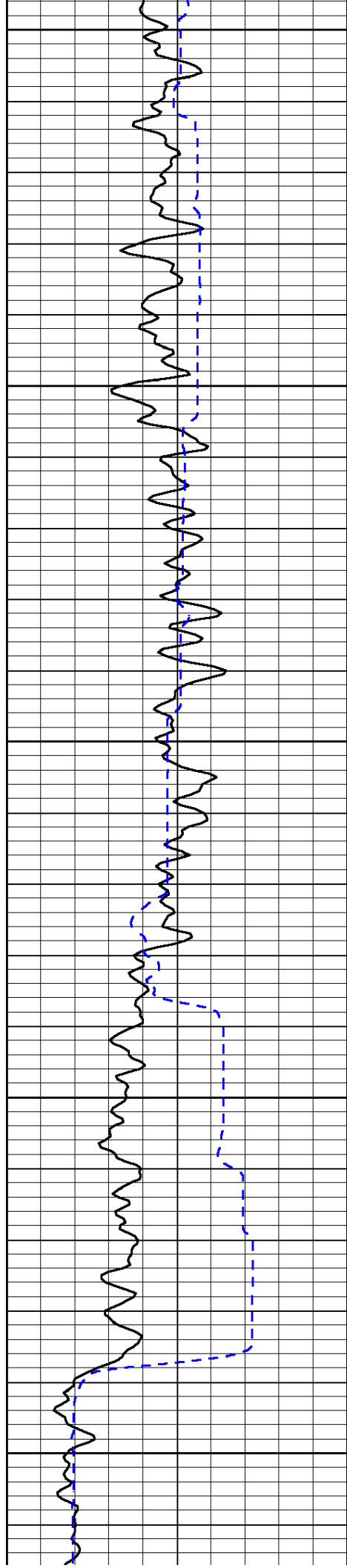


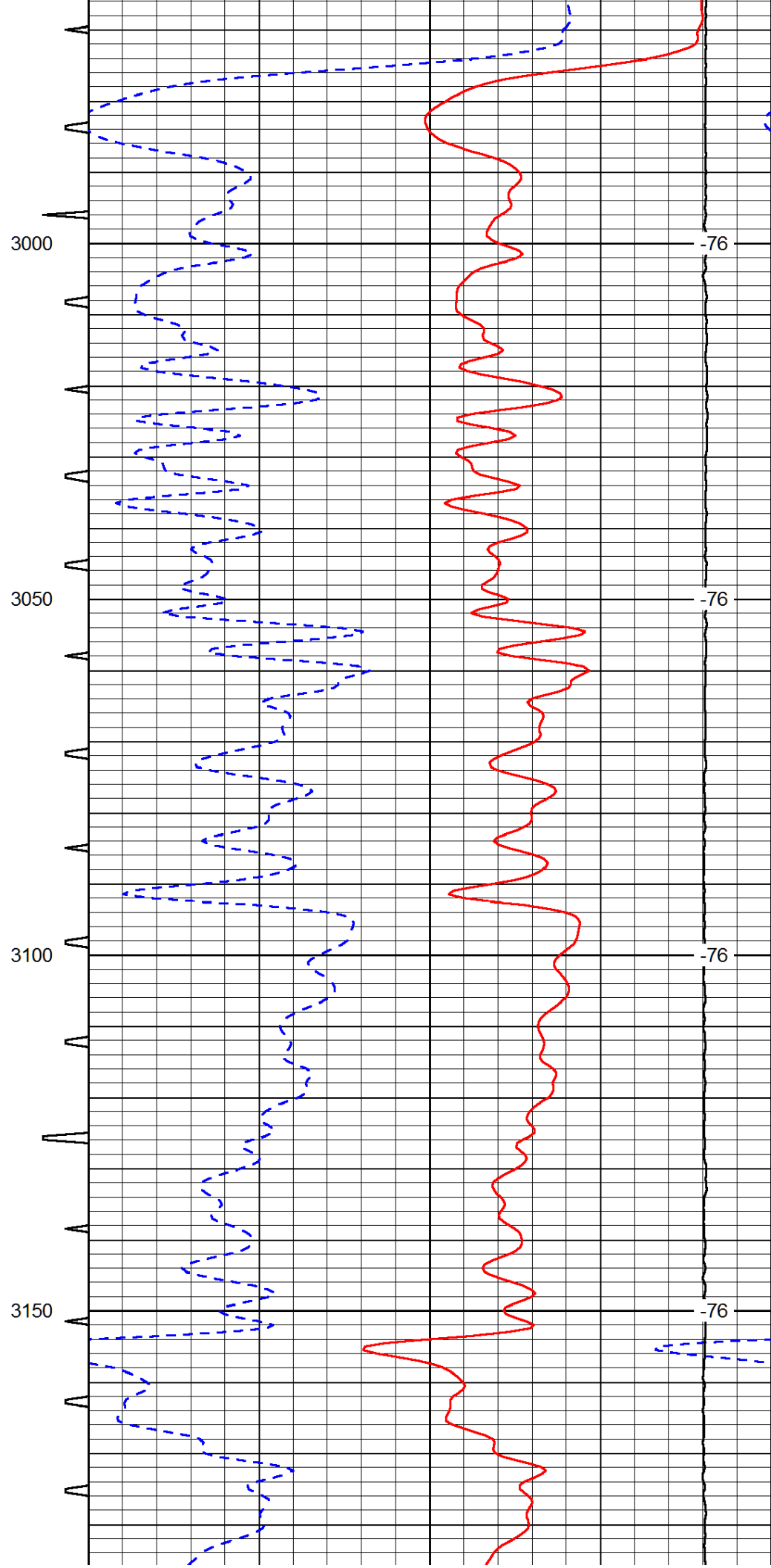
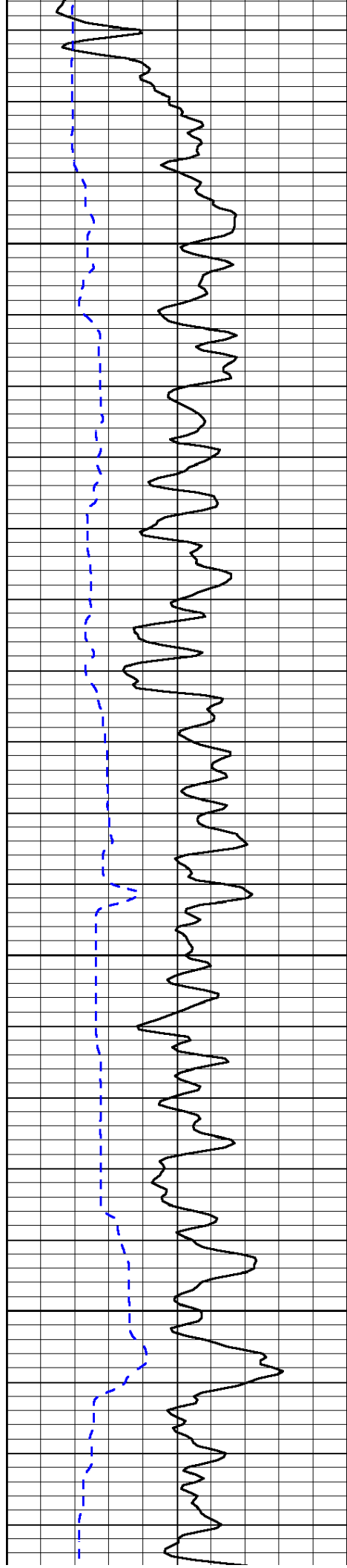


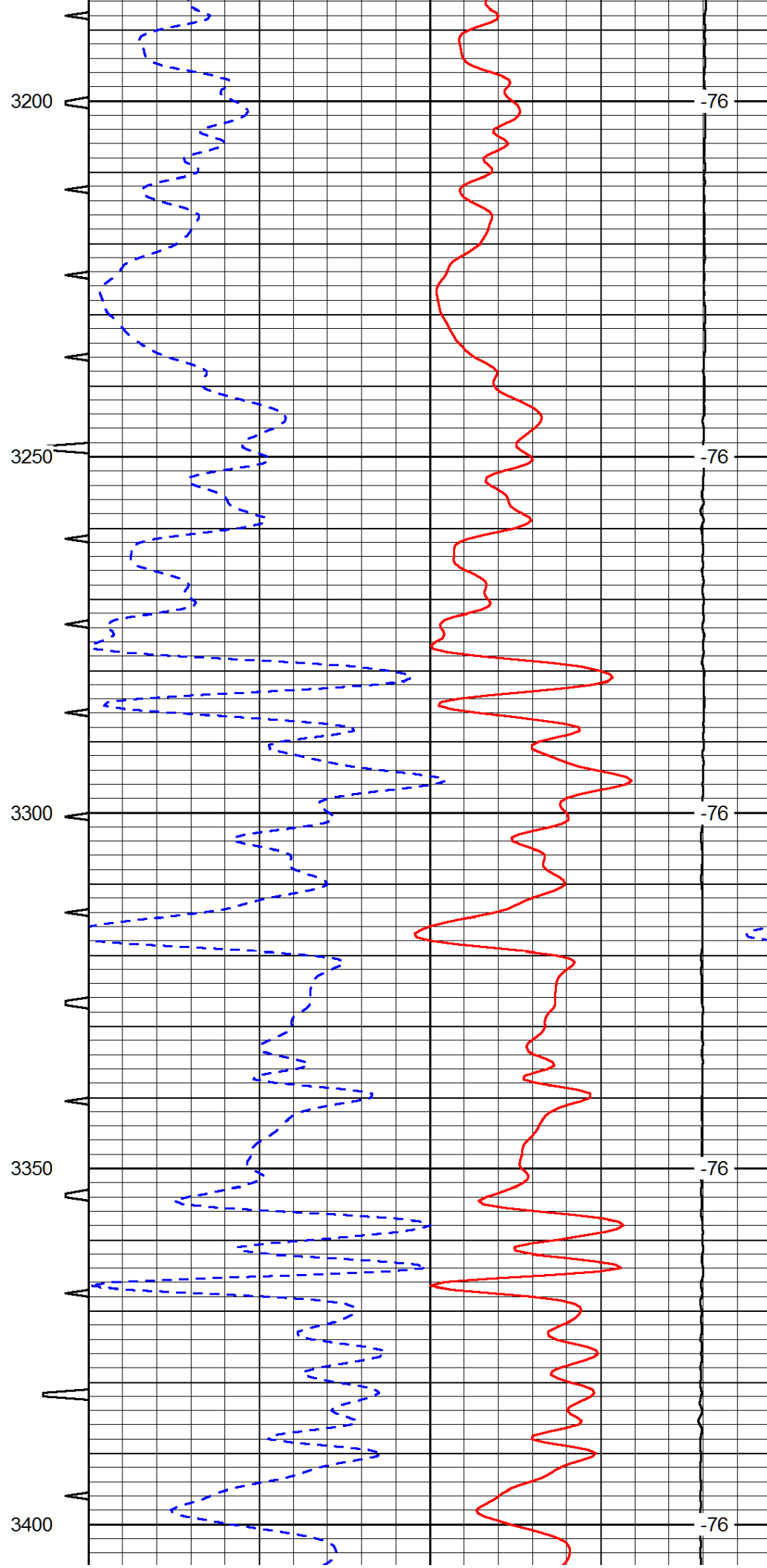
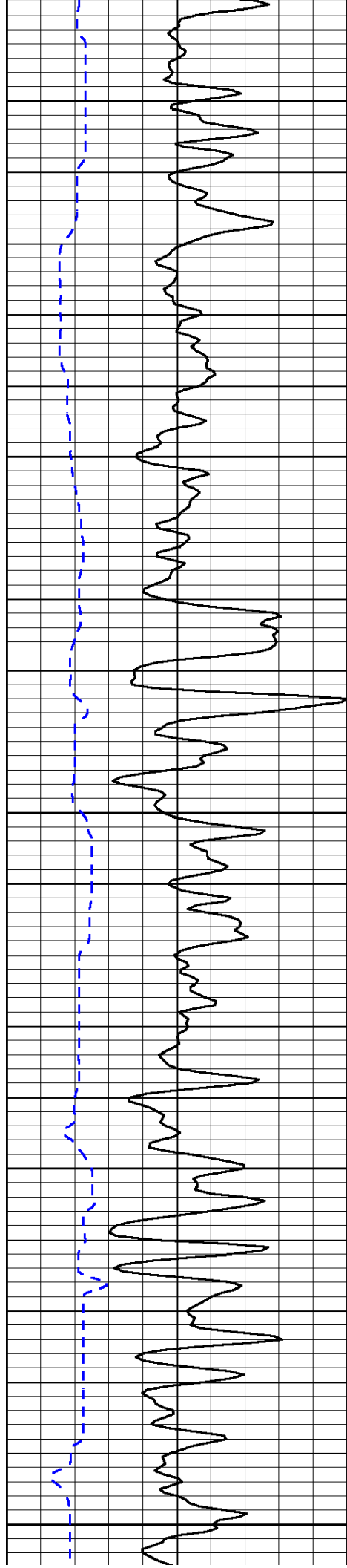


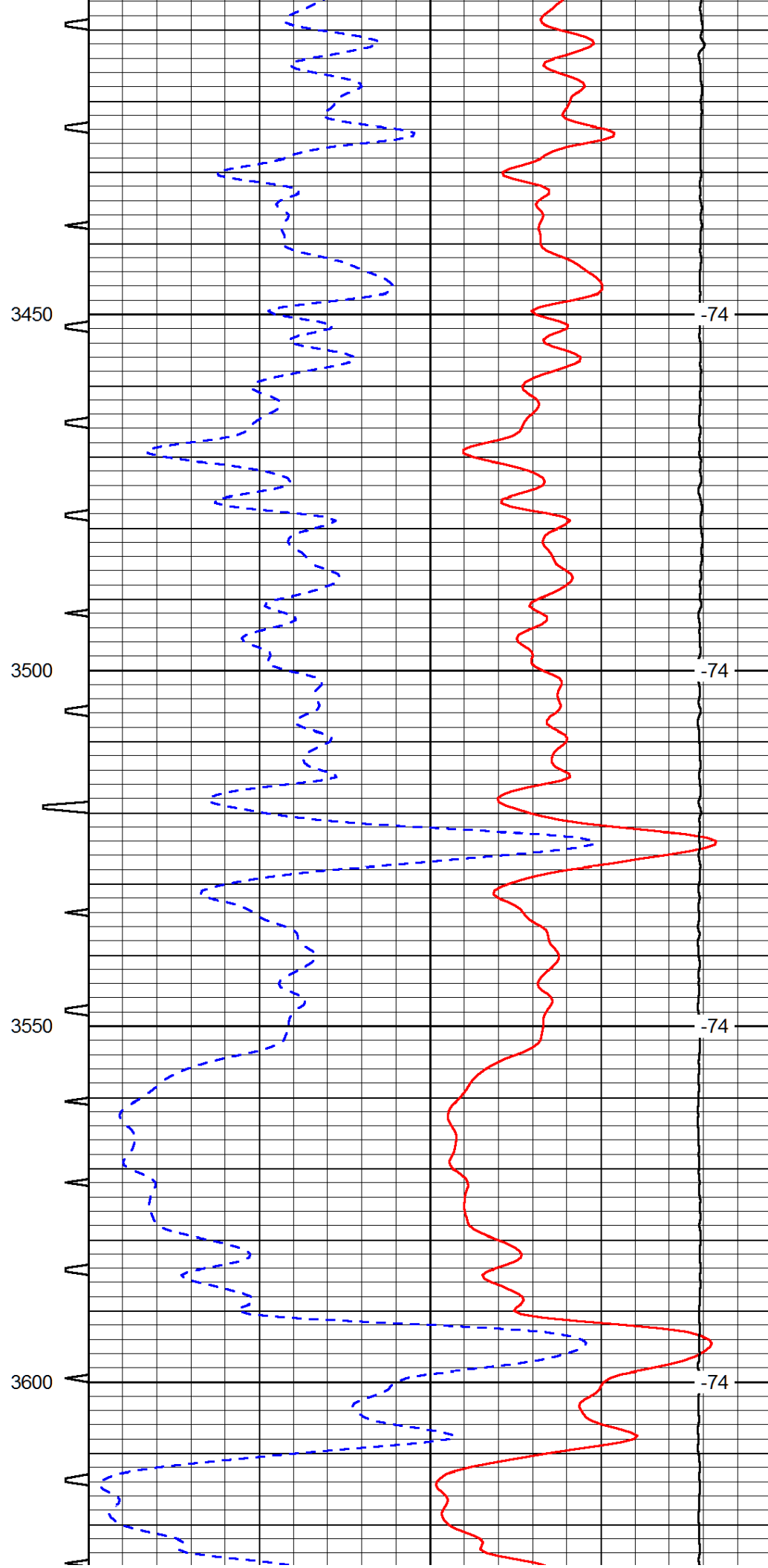
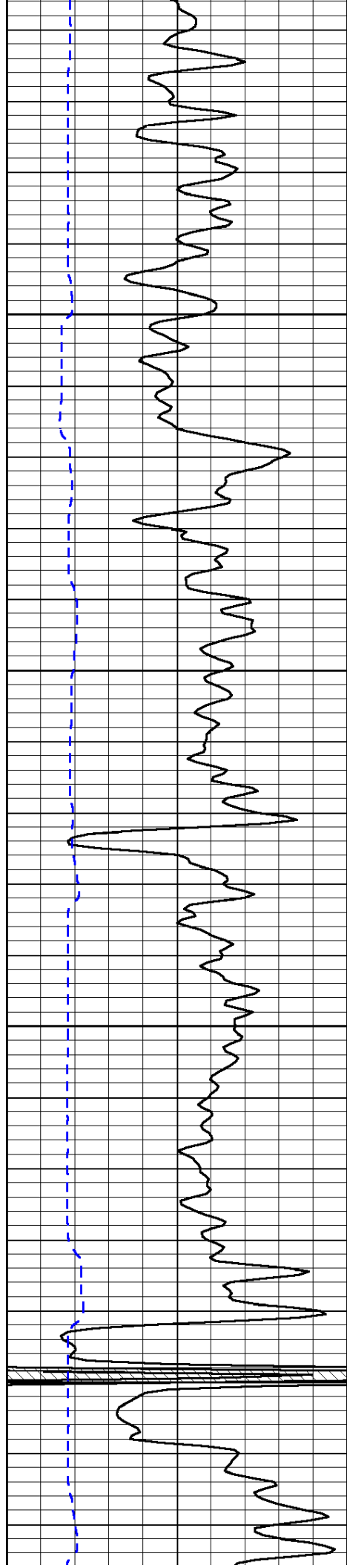


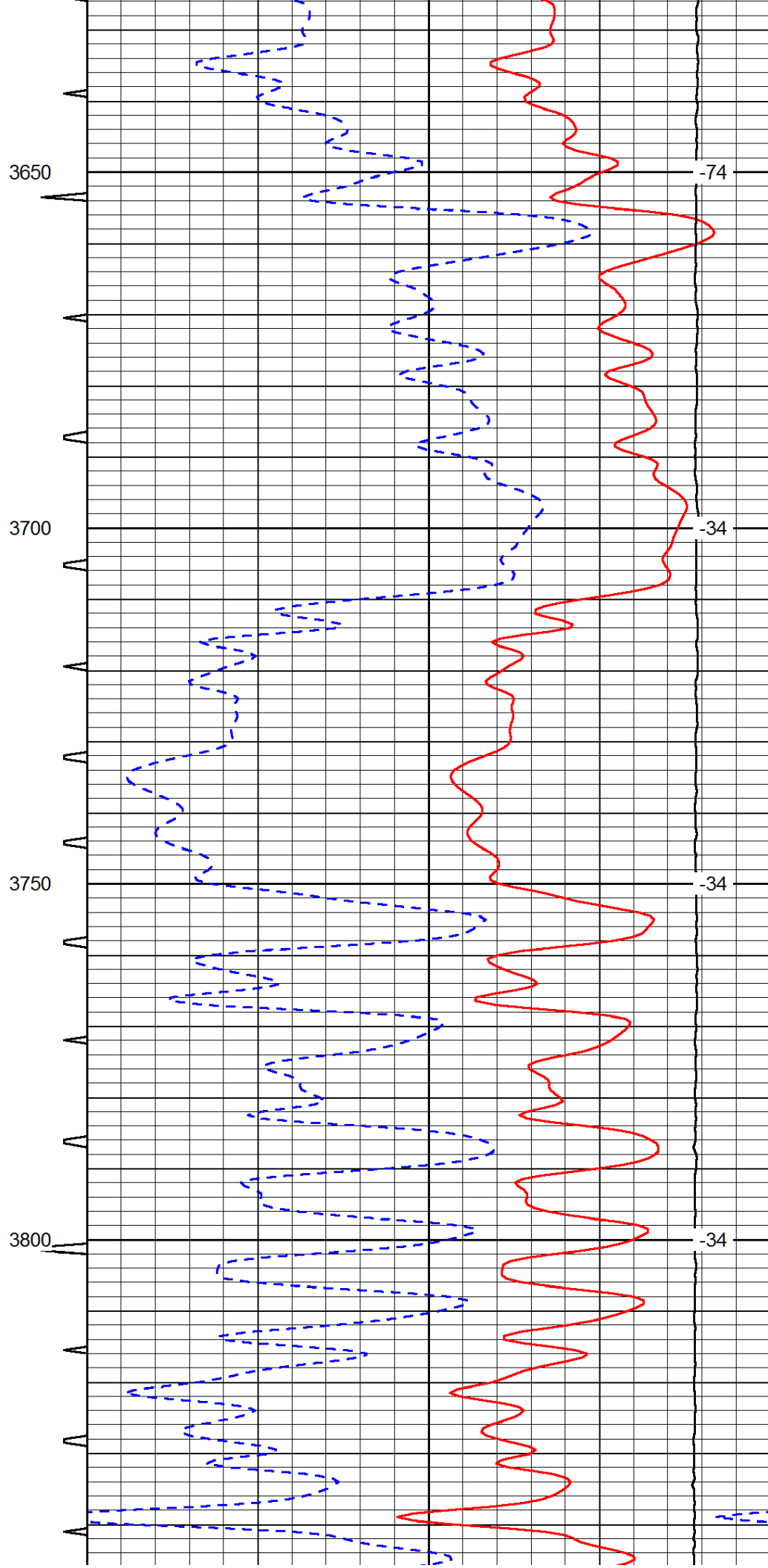
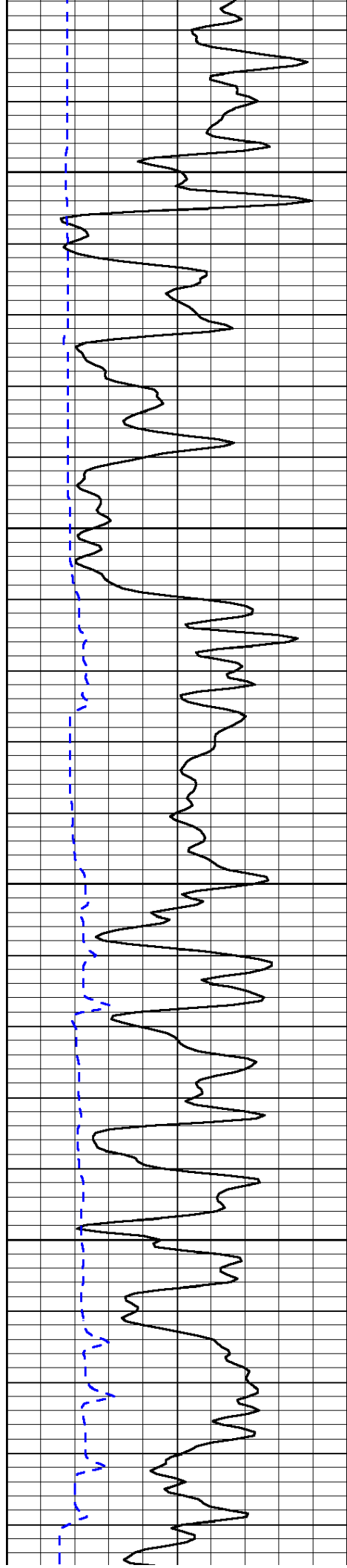


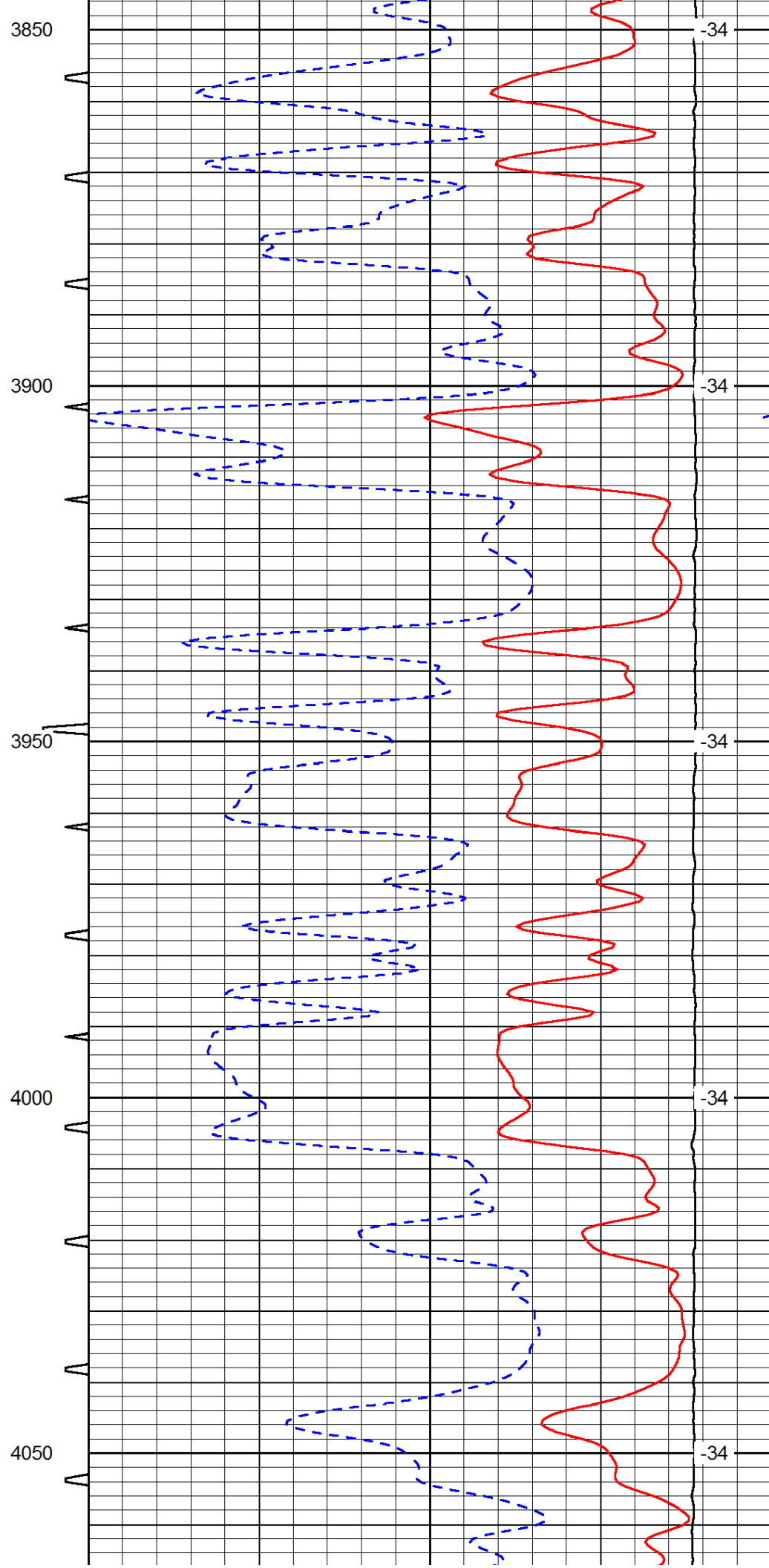
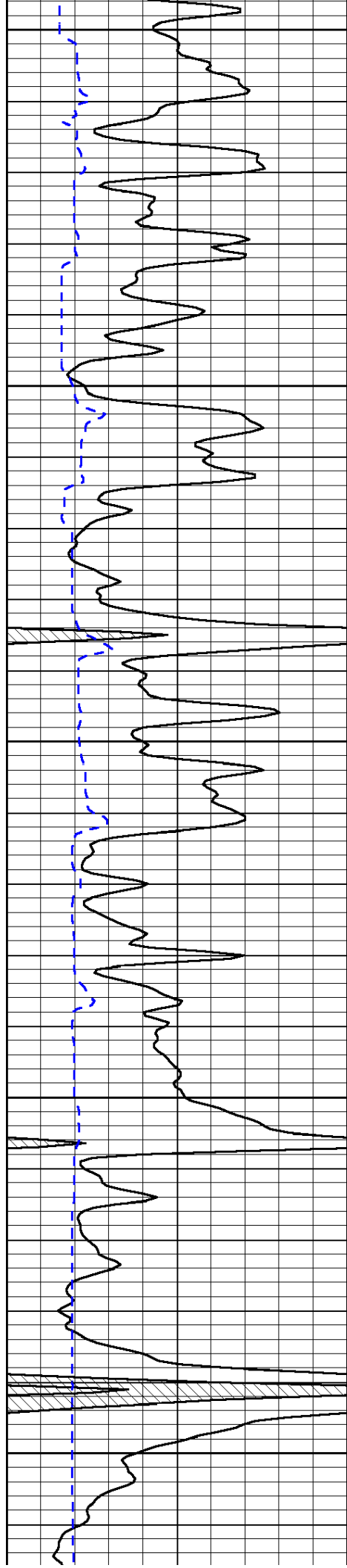


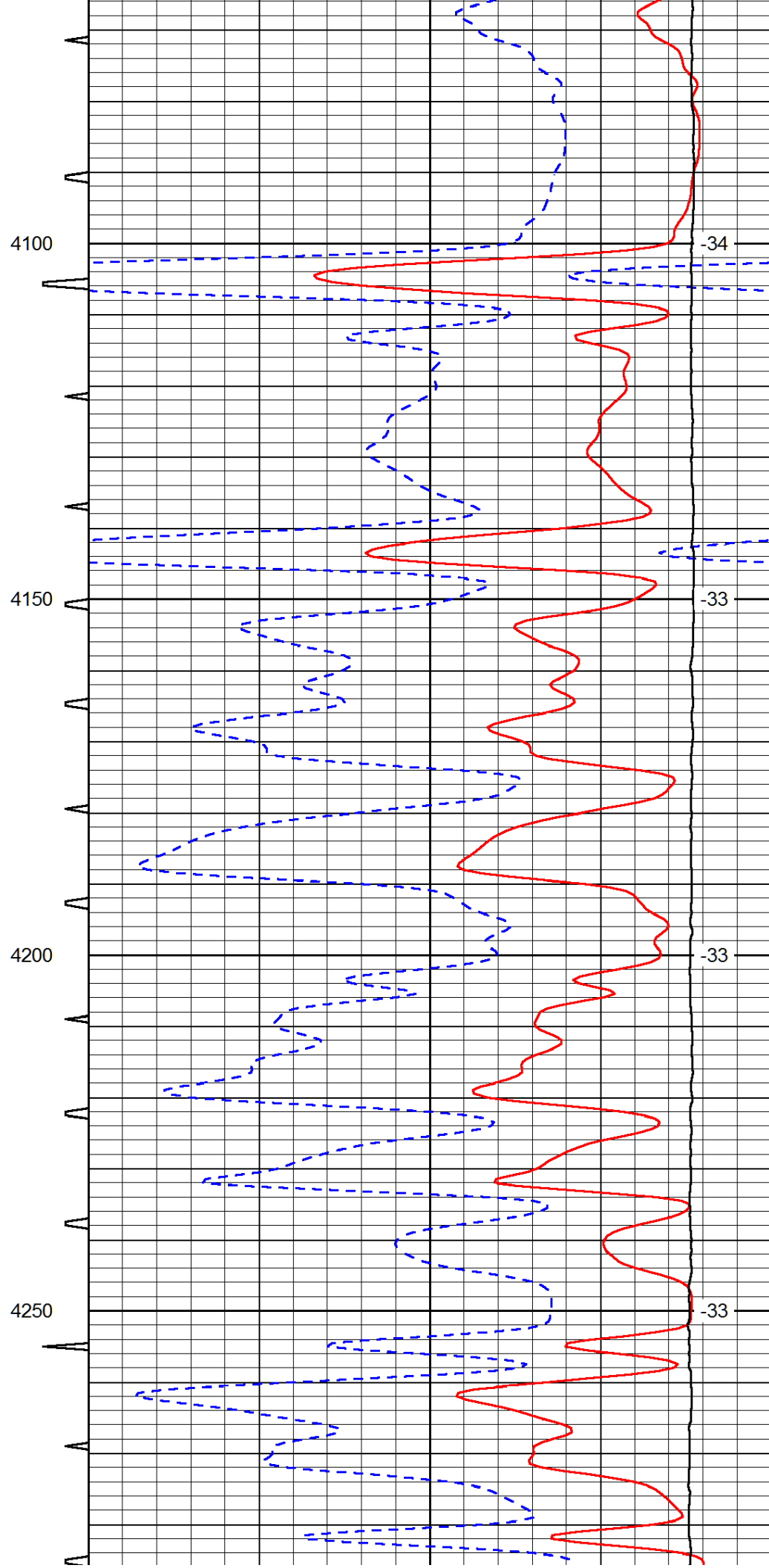
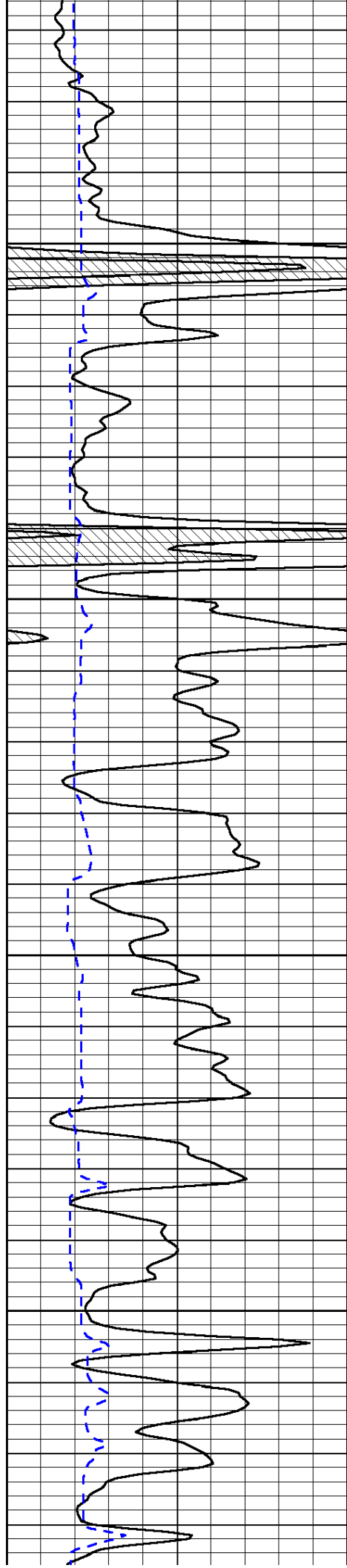


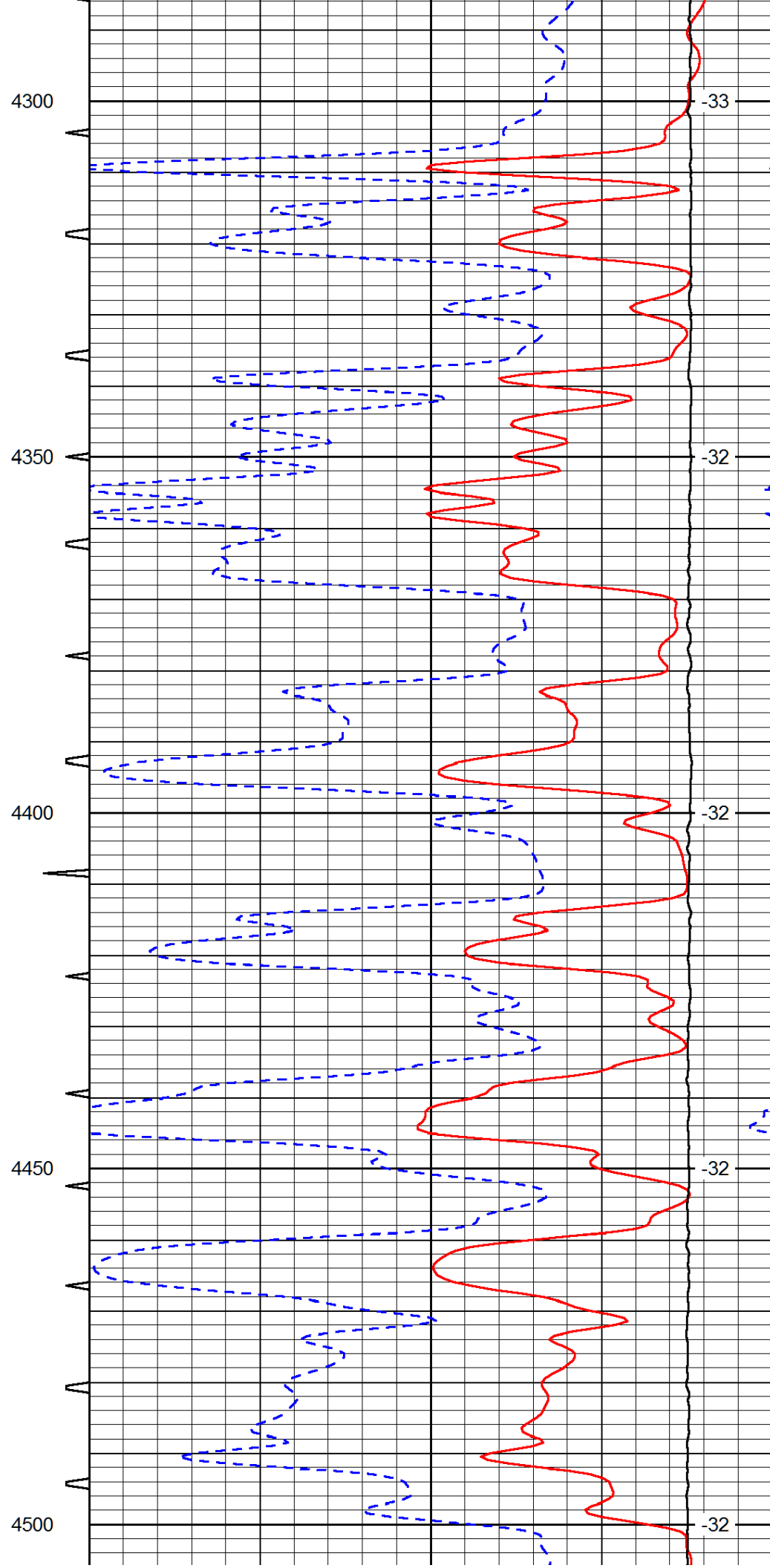
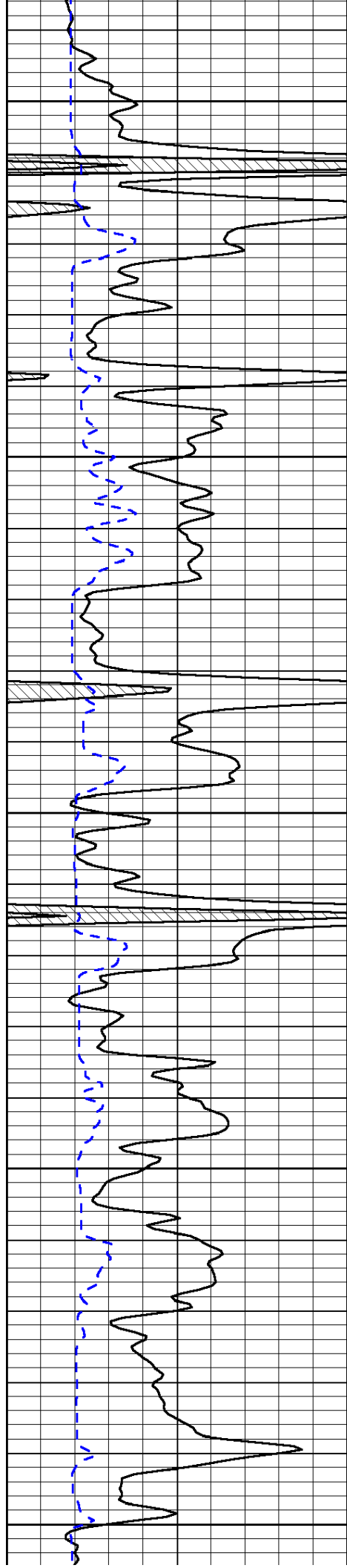


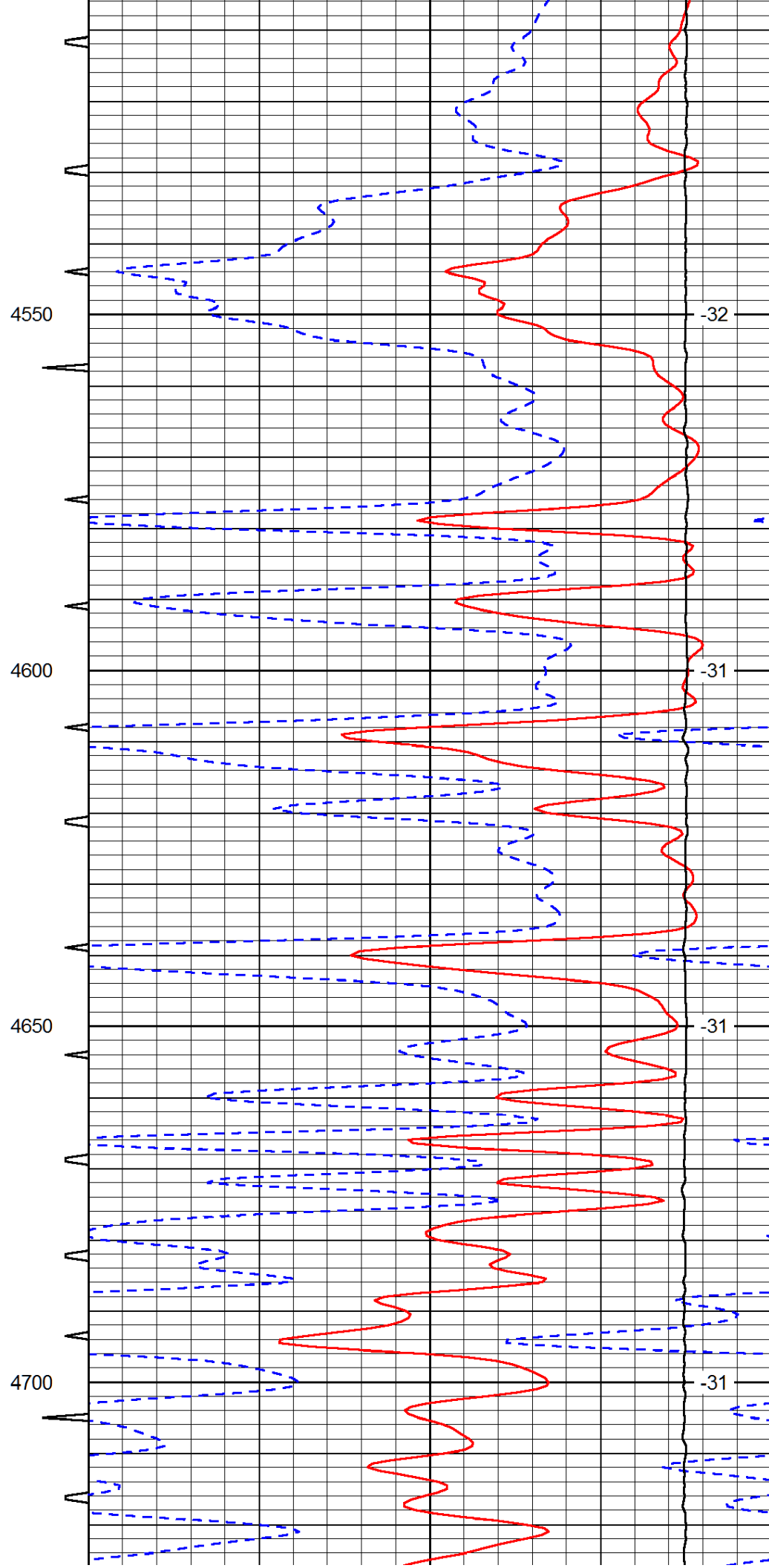
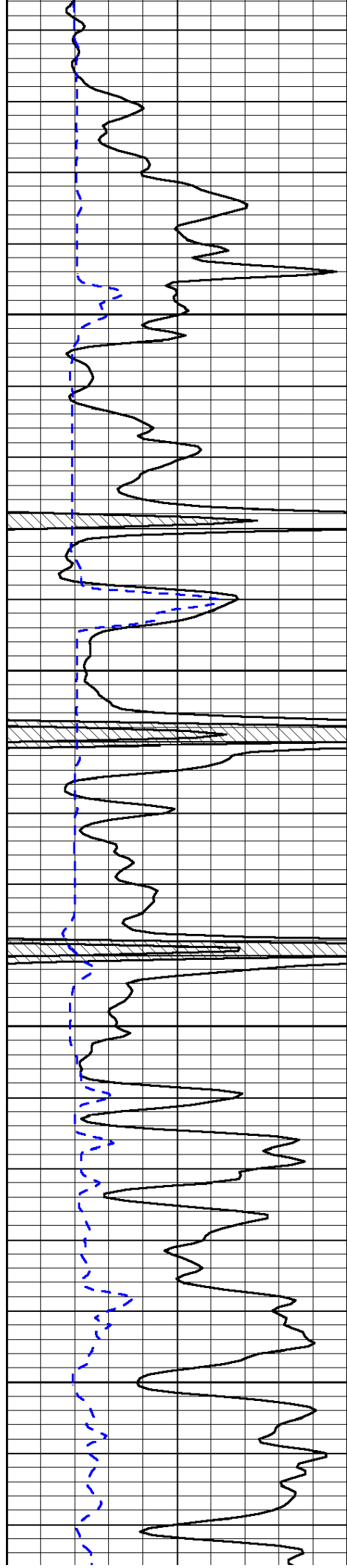


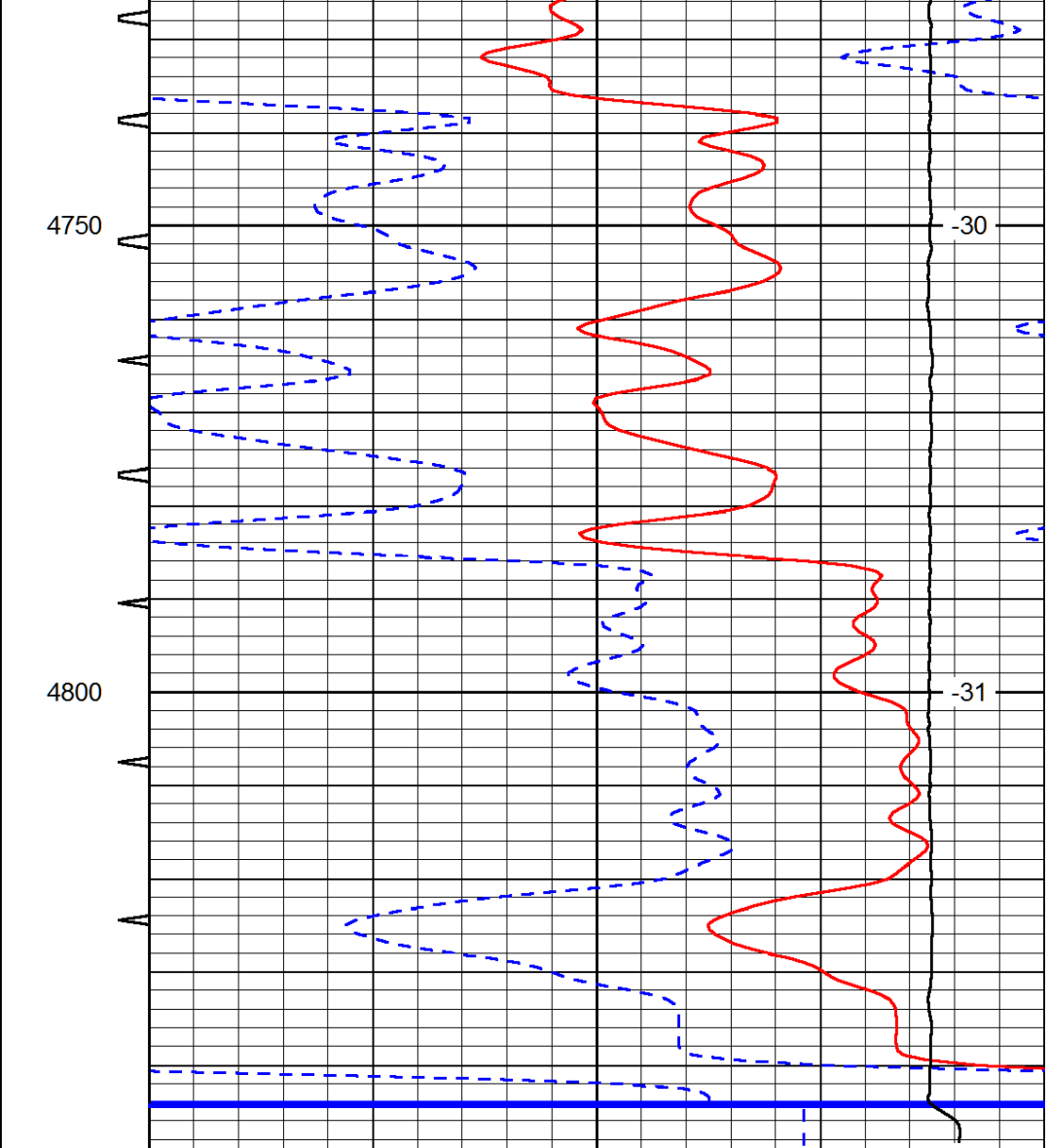
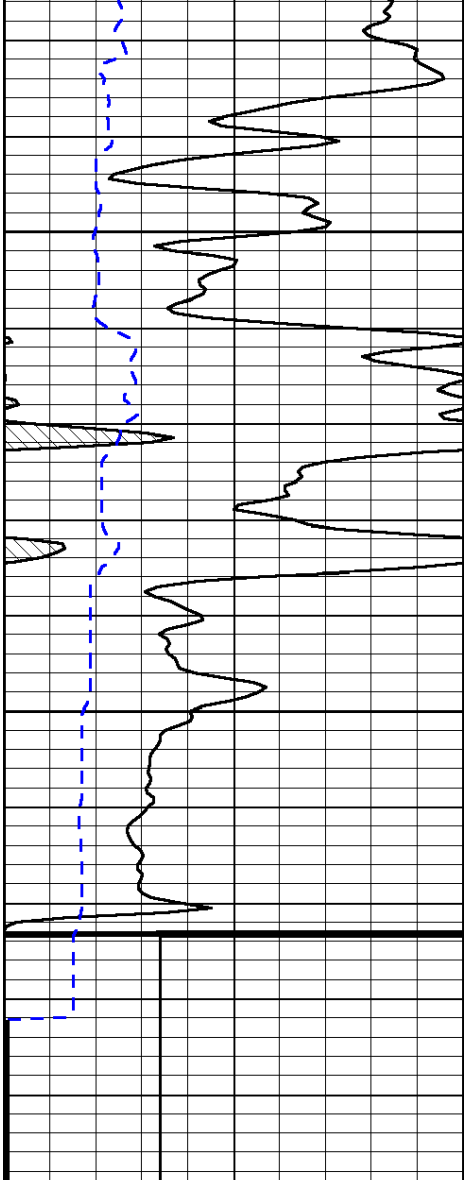












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