



Borehole Compensated Sonic Log

Pioneer Energy Services

API No.

15-065-24,075-00-00

Company Chisholm Partners II, LLC

Well Parks No.7-1

Field J.A.B West

County Graham

State Kansas

Location 1980' FSL & 1980' FWL

Sec: 7

Twp: 7S

Rge: 23W

Other Services
CNL/CDL
MEL/DIL

Permanent Datum Ground Level Elevation 2469

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

Drilling Measured From Kelly Bushing

K.B. 2477
D.F. 2469
G.L. 2469

Date 12/4/2014

Run Number Two

Type Log BHC Sonic

Depth Driller 4000

Depth Logger 3997

Bottom Logged Interval 3986

Top Logged Interval 300

Type Fluid In Hole Chemical

Salinity, PPM CL 1,800

Density 9.3

Level Full

Max. Rec. Temp. F 116

Operating Rig Time 4 Hours

Equipment -- Location 51 Hays

Recorded By C. Desaire

Witnessed By Jeff Lawler

Borehole Record

Casing Record

Run No Bit From To Size Wgt. From To

One 12.25 00 305 8.625 23# 00 305

Two 7.875 305 TD

<<< Fold Here >>>

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.

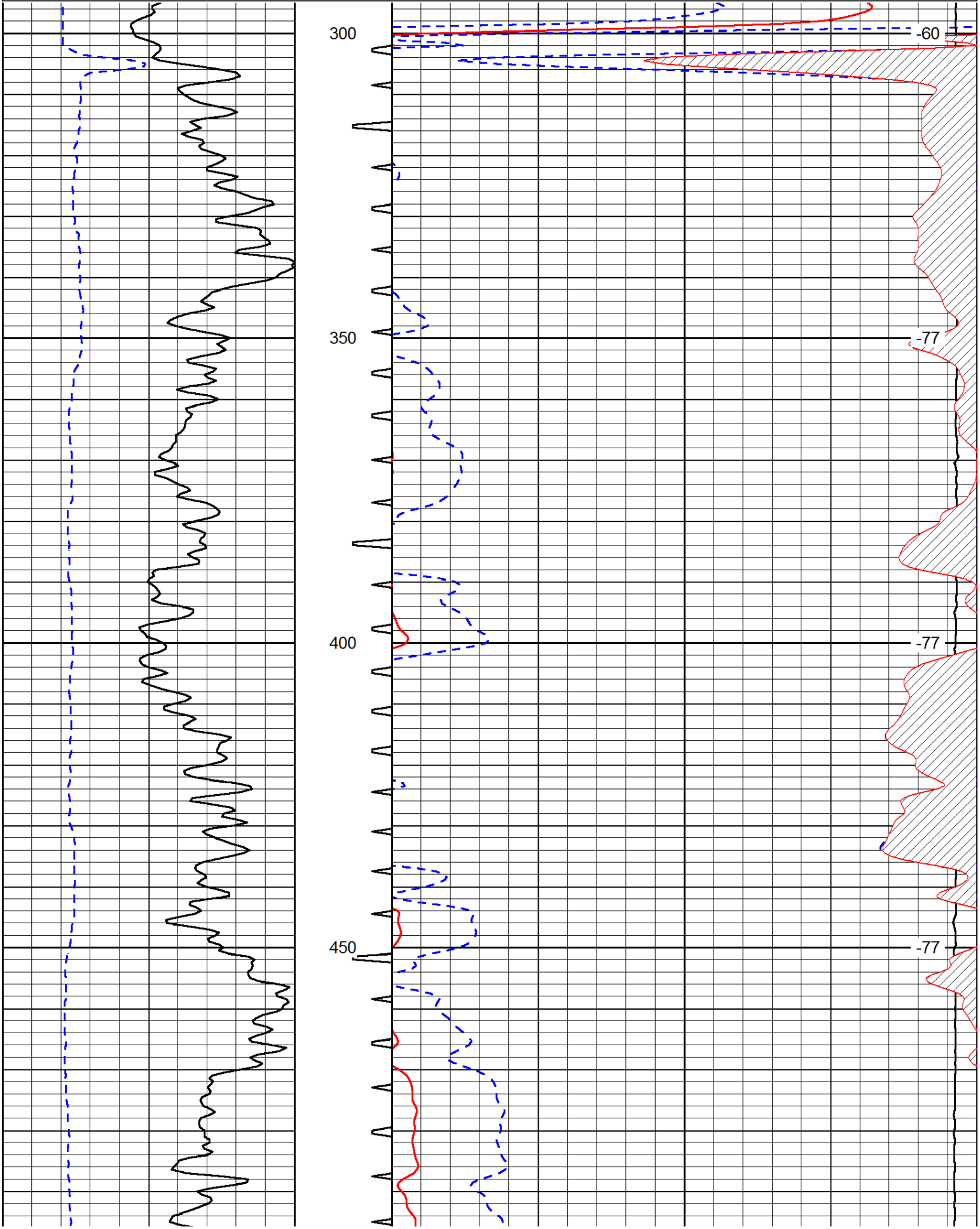
Comments

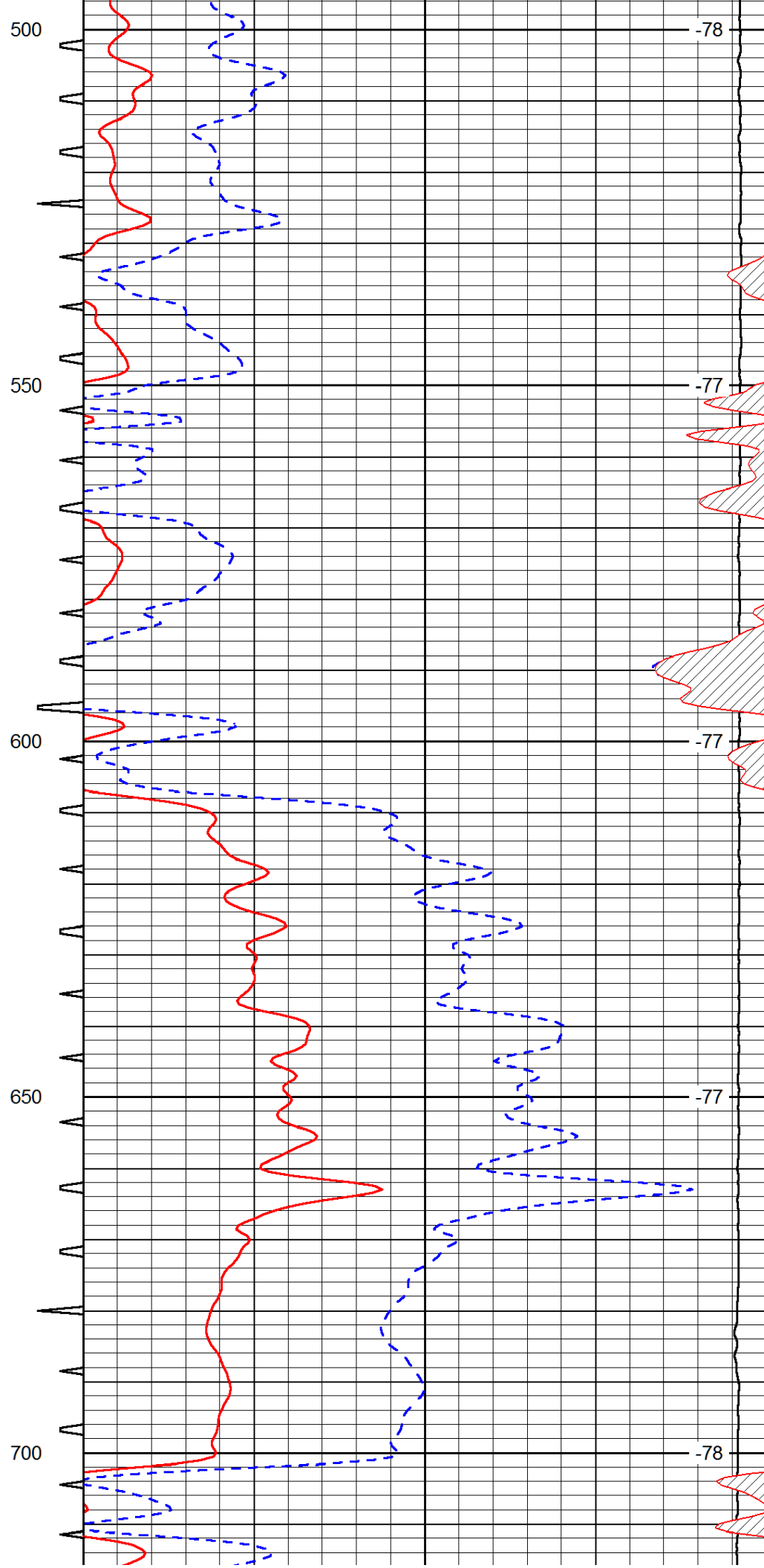
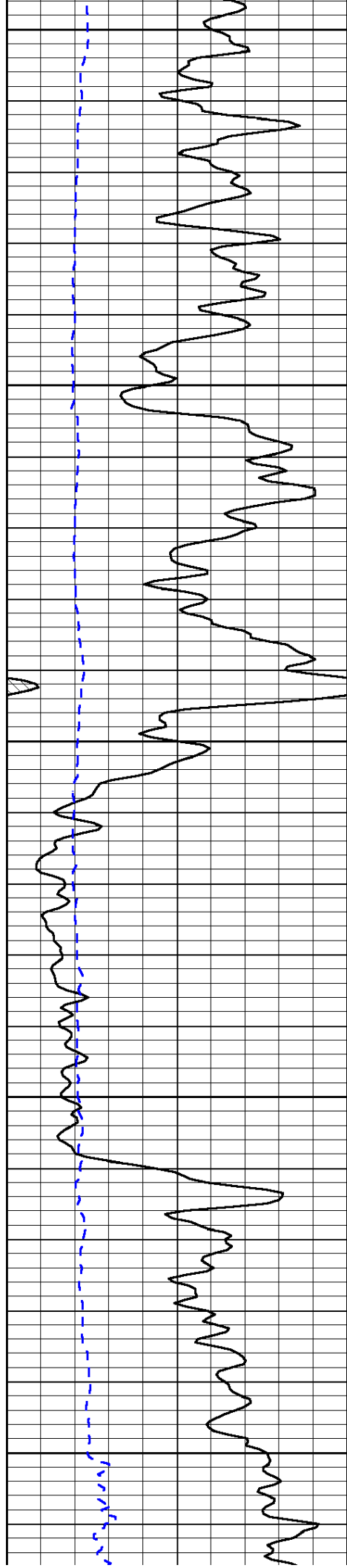
Thank you for using Log-Tech, Inc.
(785) 625-3858

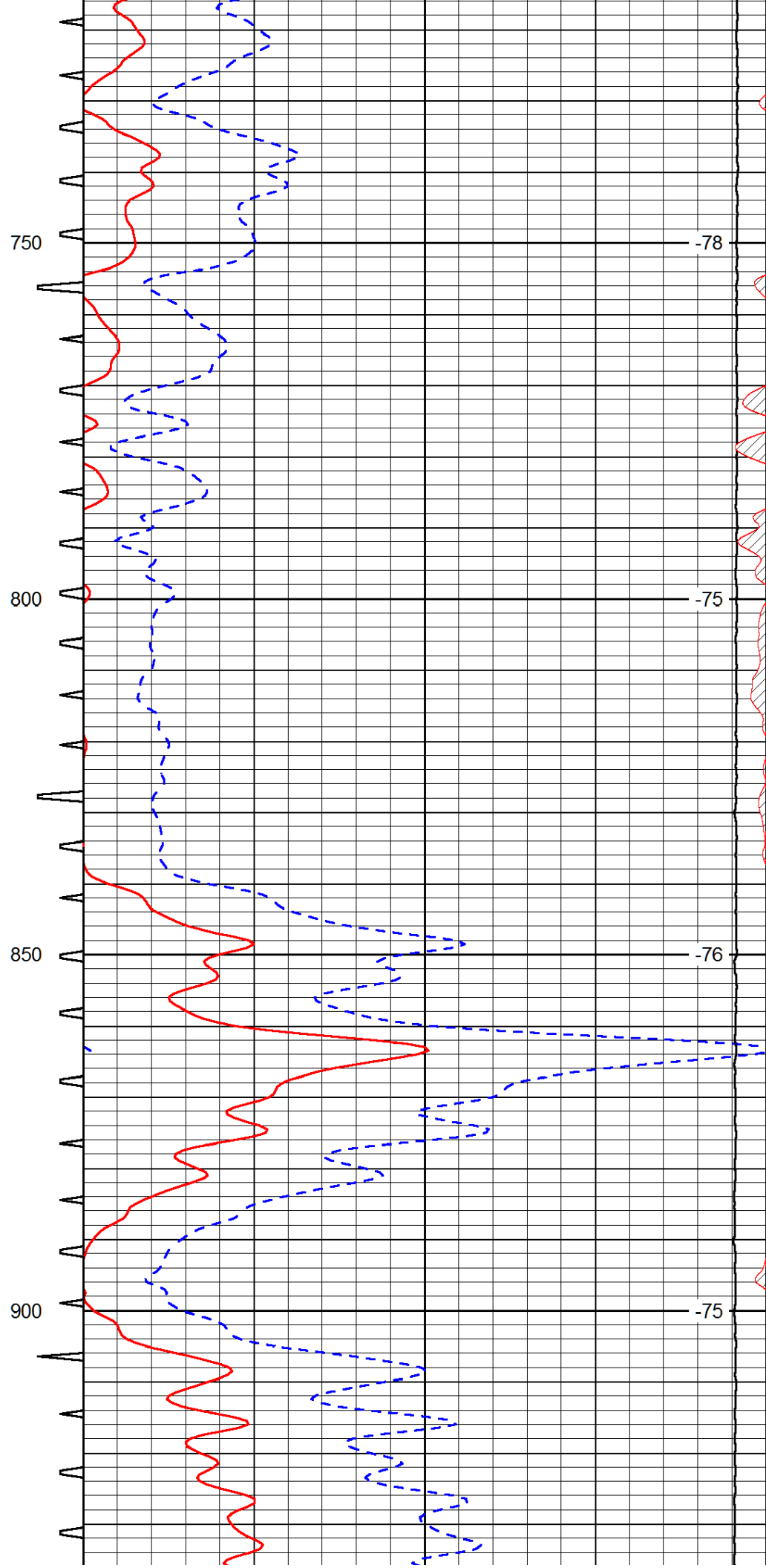
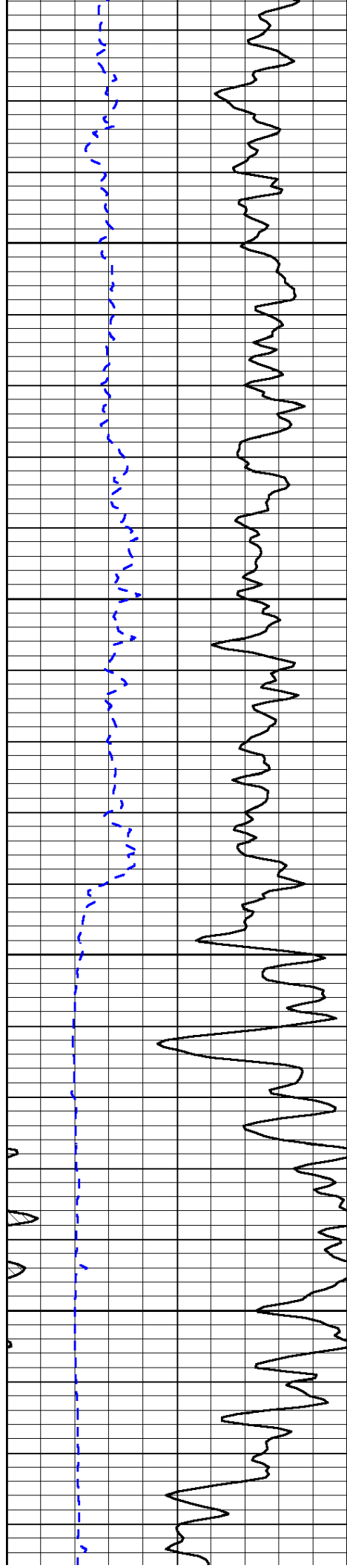
Hill City KS, W to 240th Rd, 6 N to W Rd,
1 1/2 W, N Into

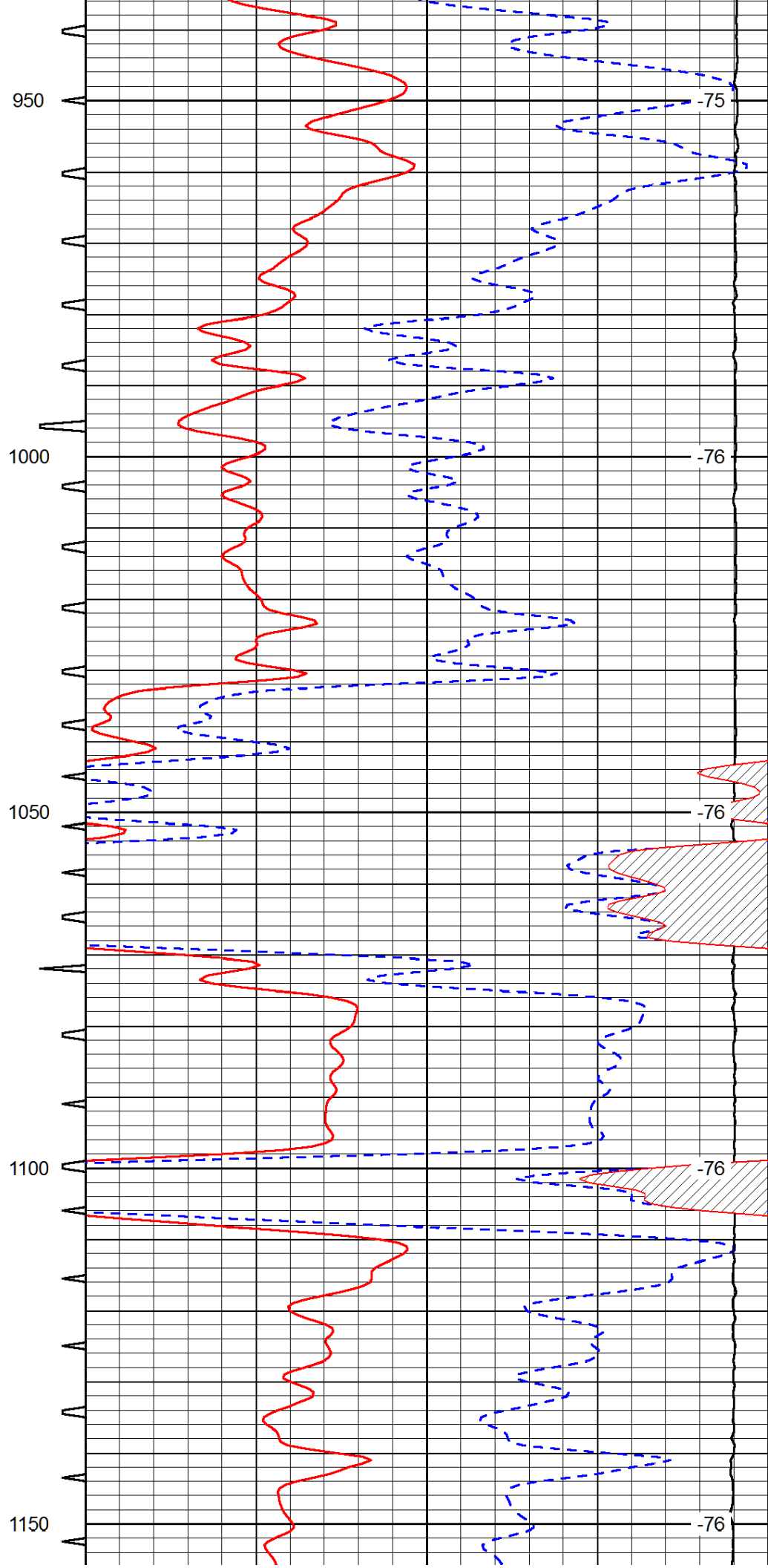
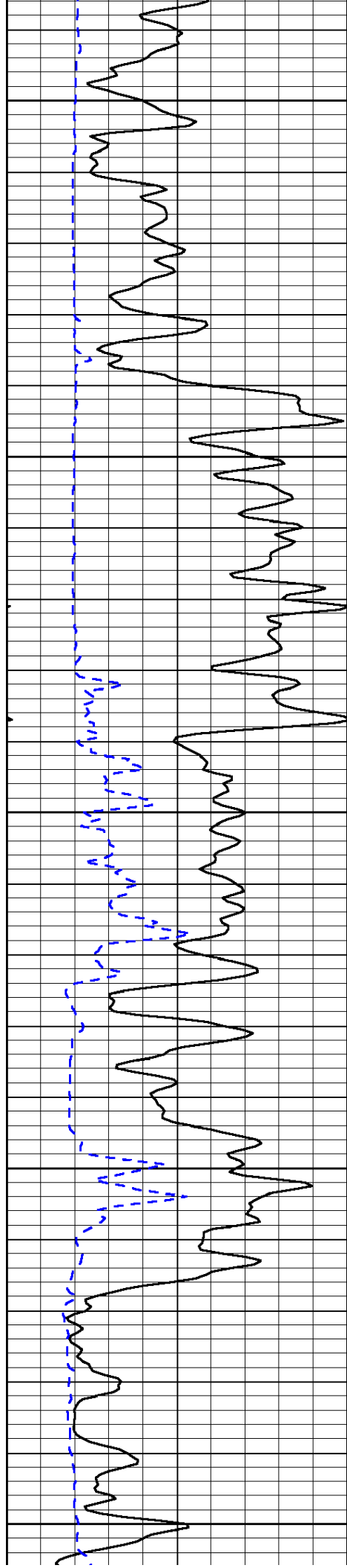
Database File: cphd.db
Dataset Pathname: dil/cpstk
Presentation Format: sonic
Dataset Creation: Thu Dec 04 16:58:43 2014
Charted by: Depth in Feet scaled 1:240

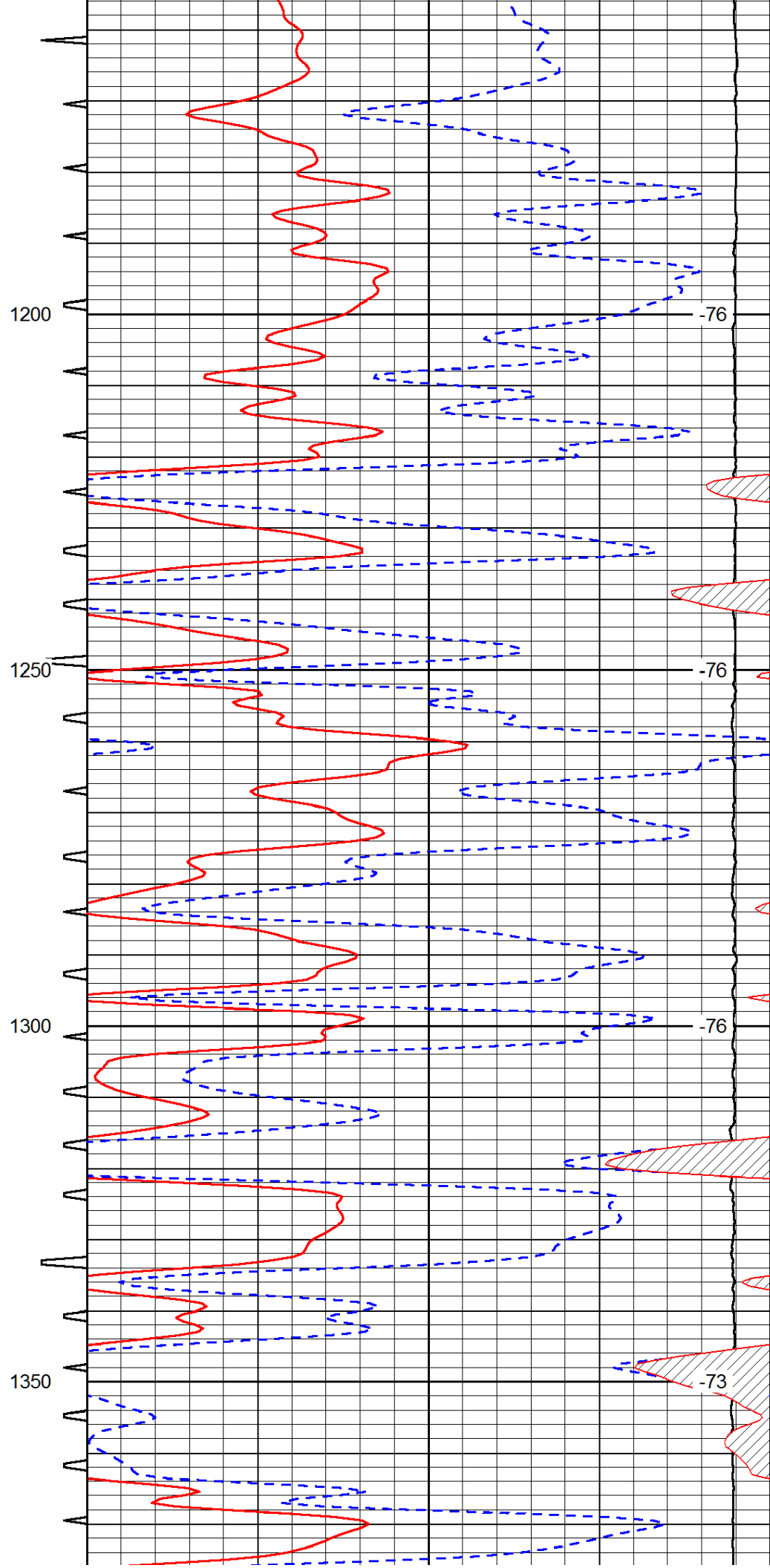
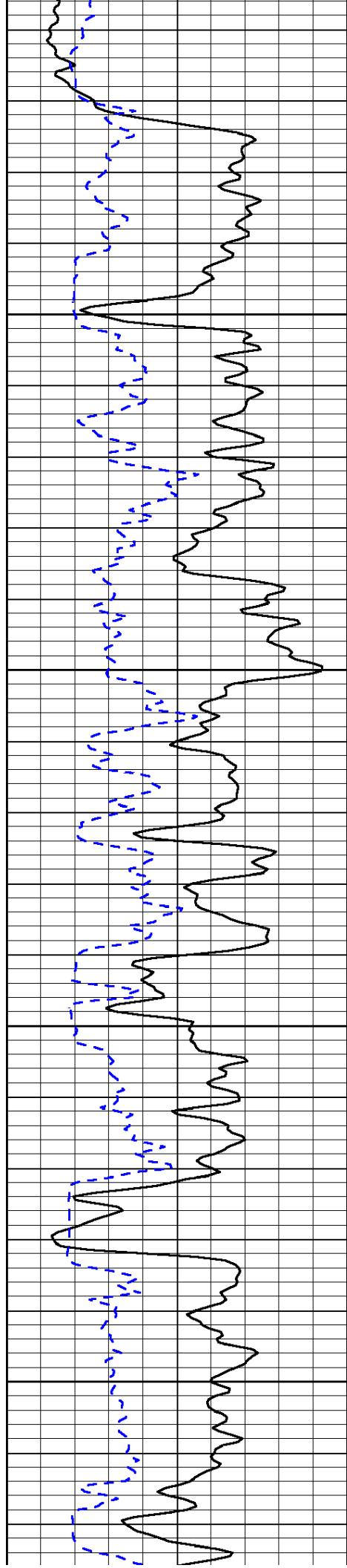
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40
150	Gamma Ray	300	5	0	Sonic Porosity	-10
6	dCAL (GAPI)	16		15000	LTEN (lb)	0
						LSPD

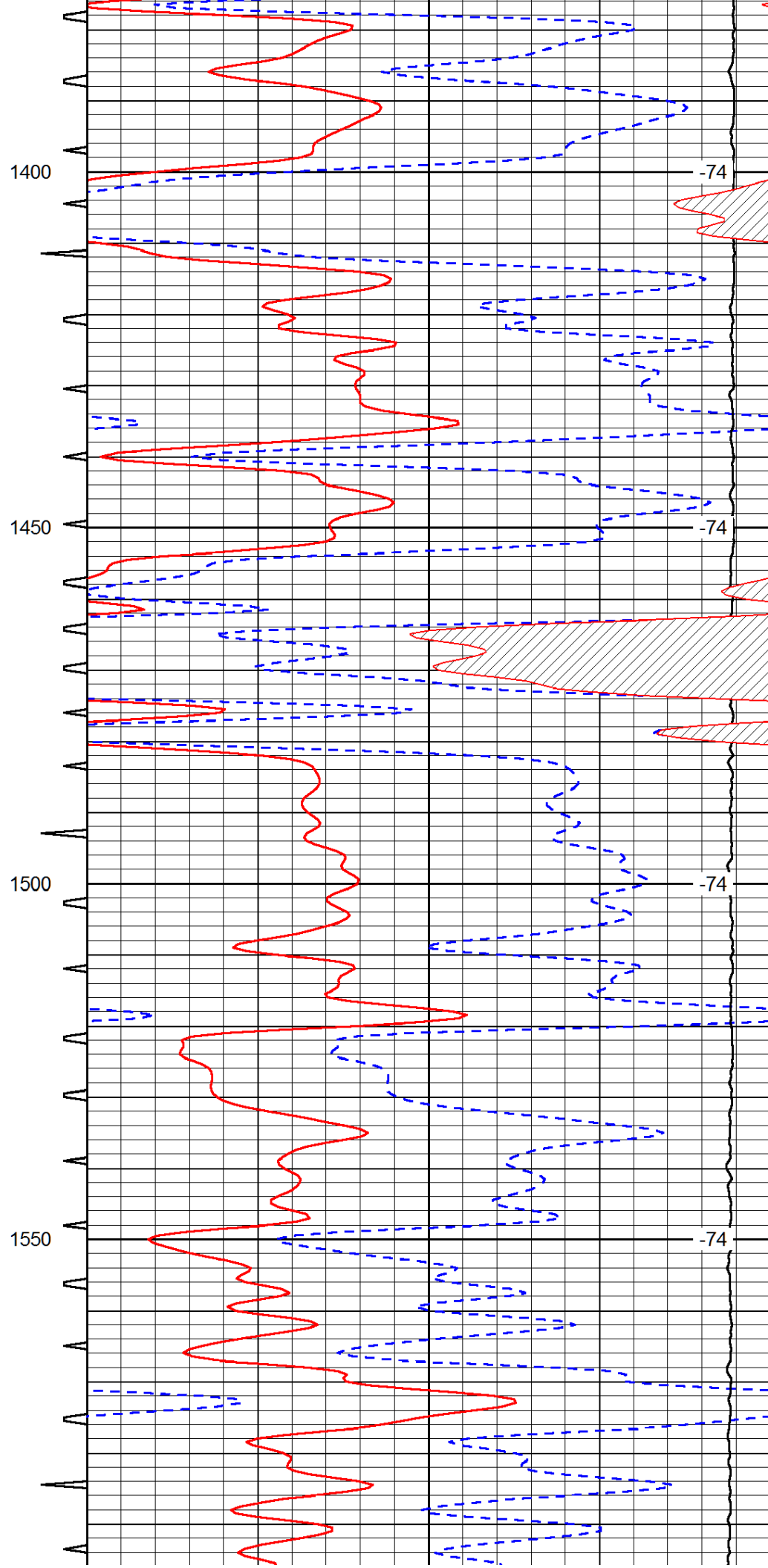
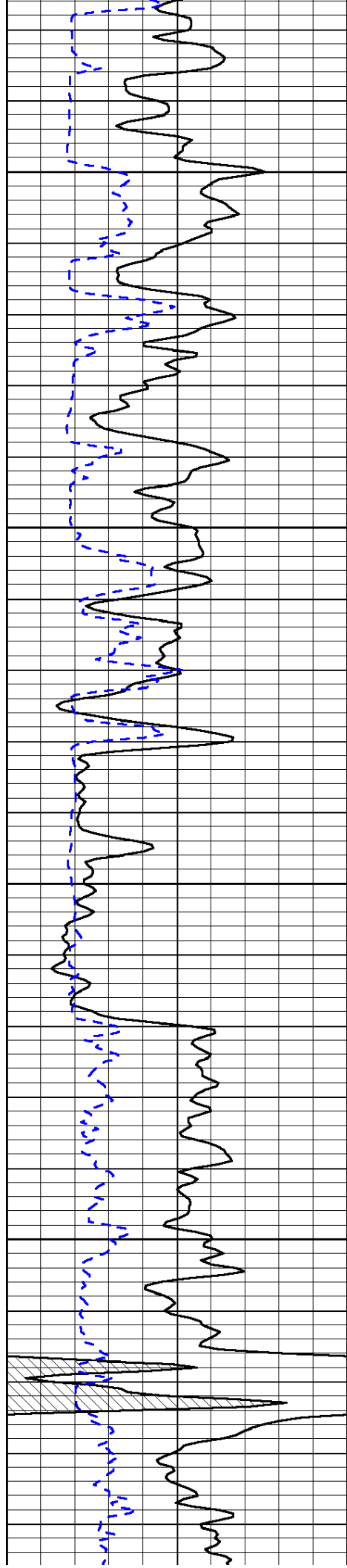


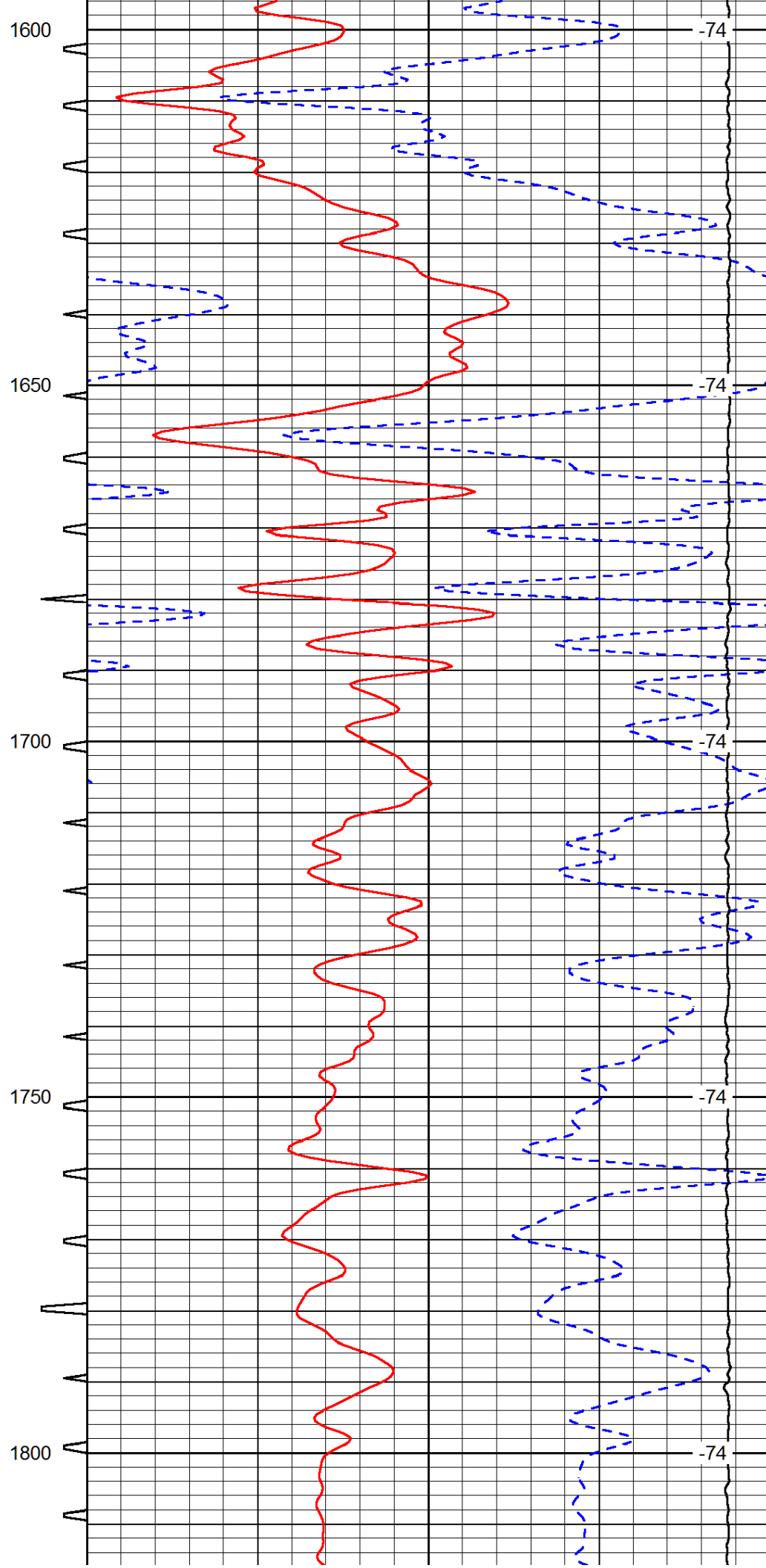
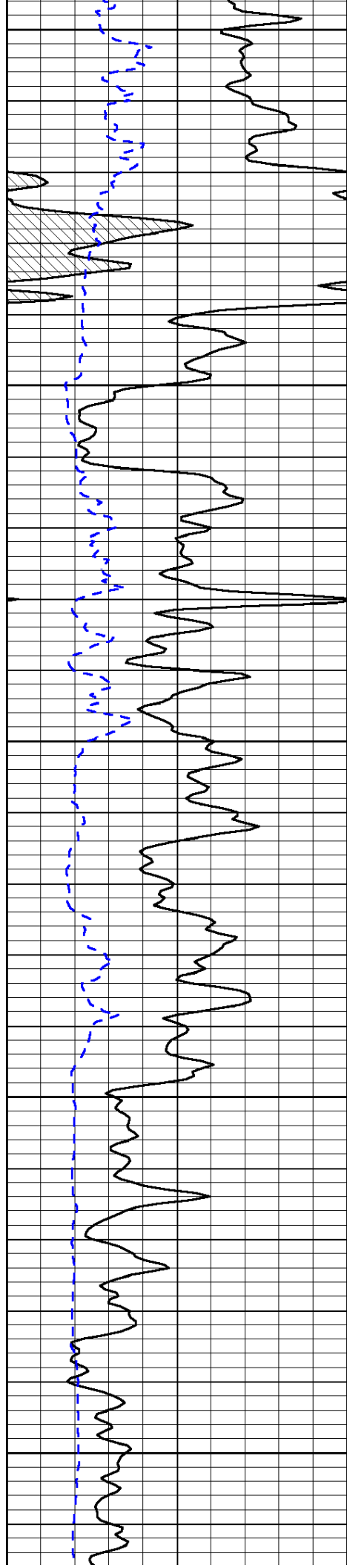


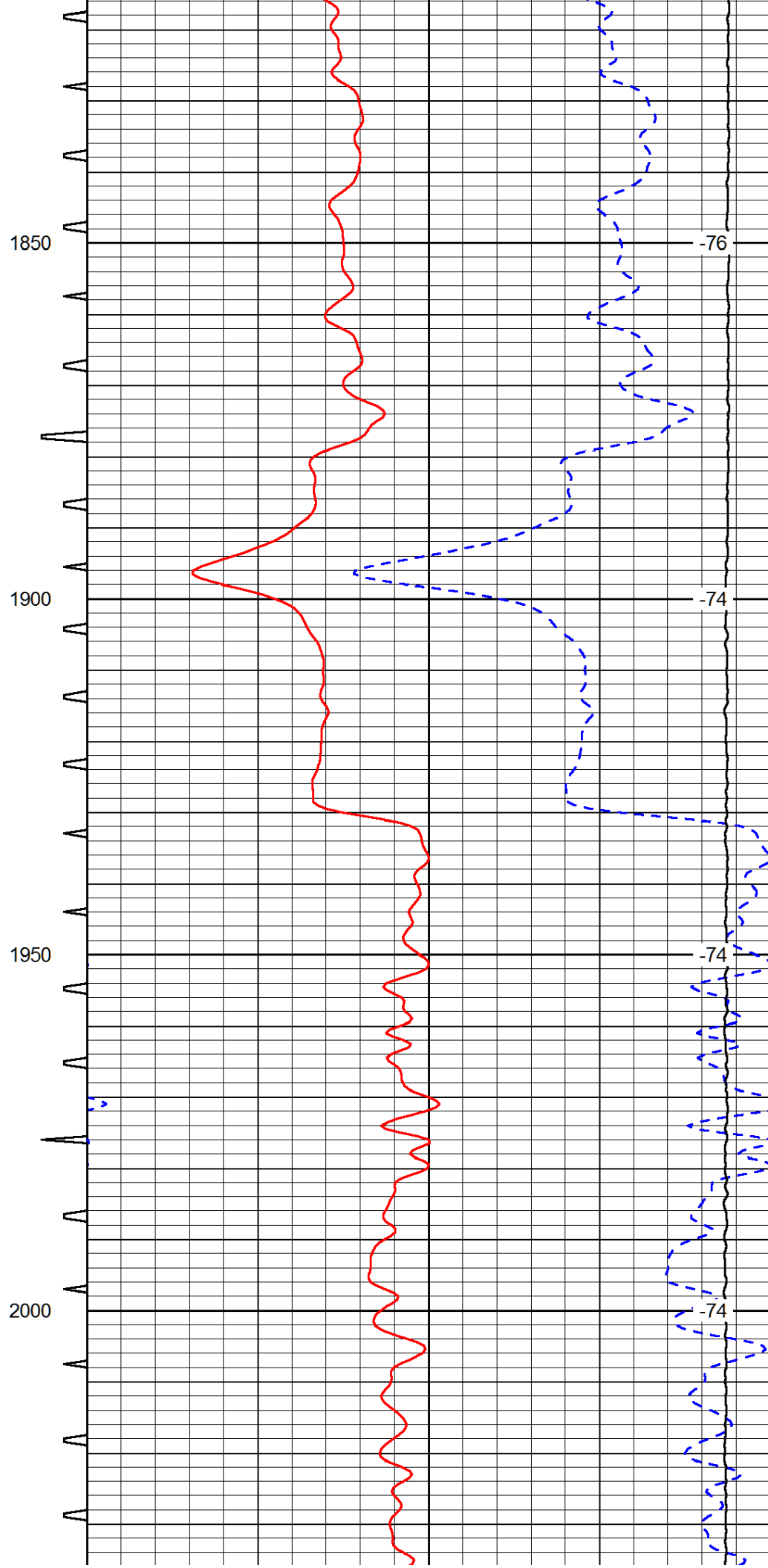
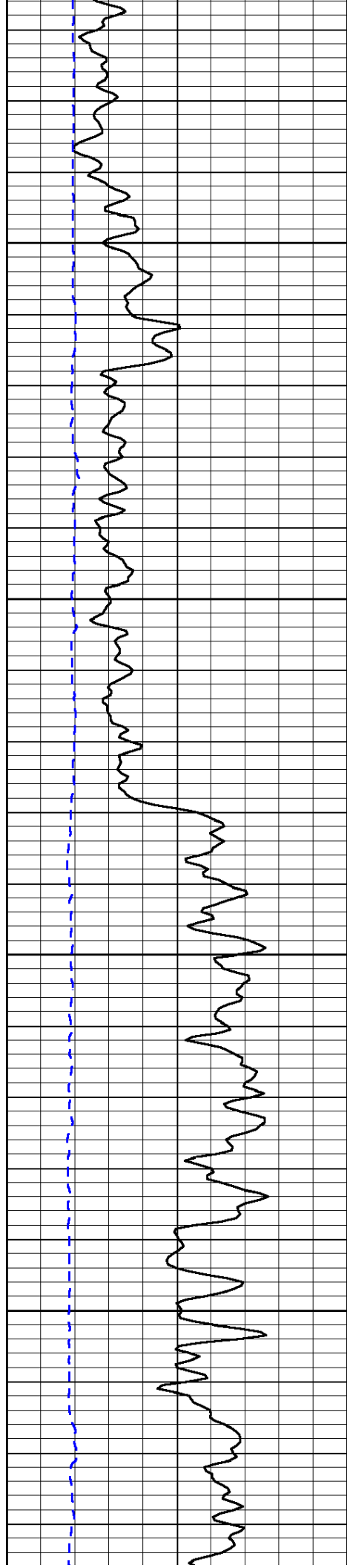


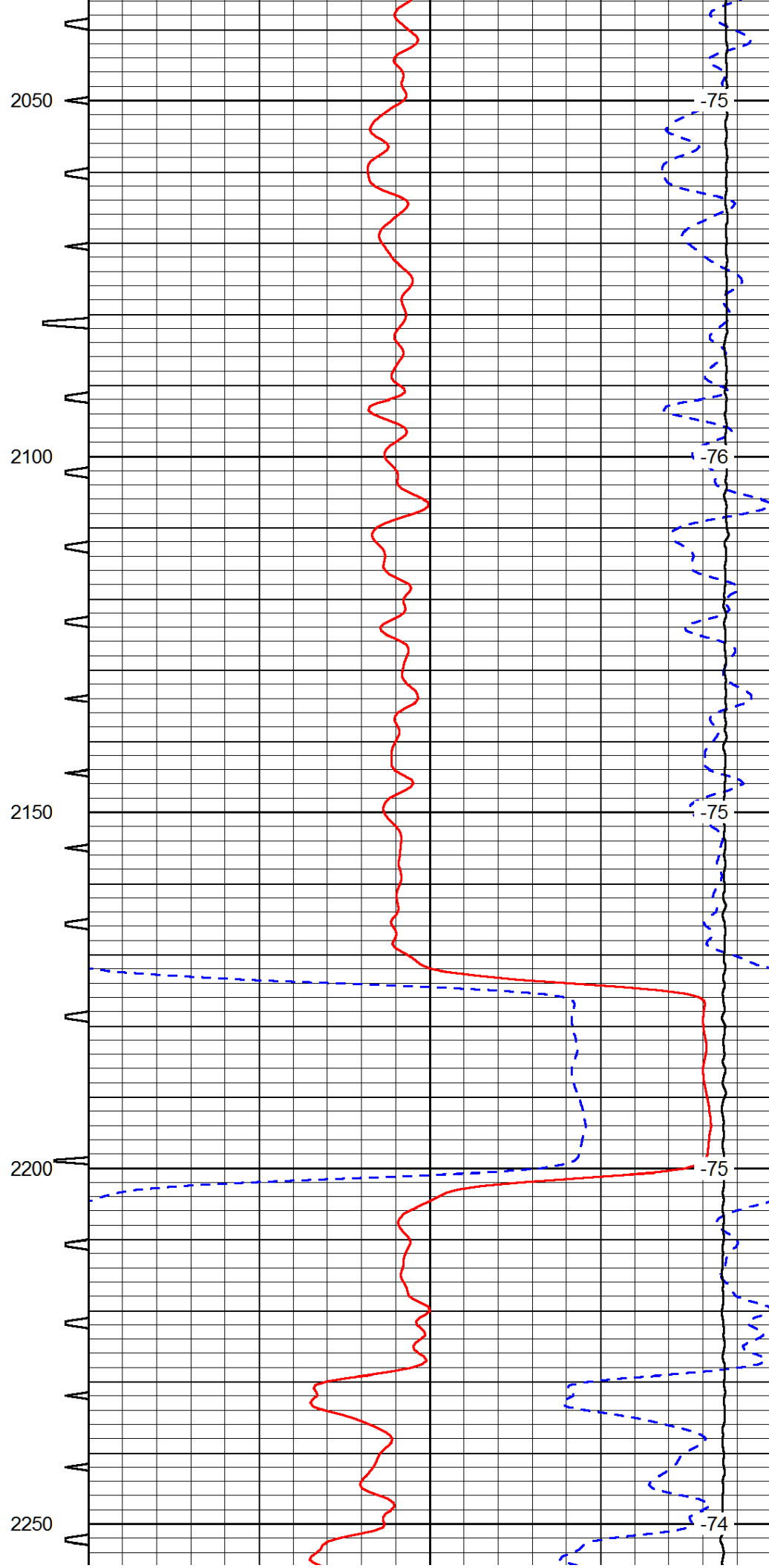
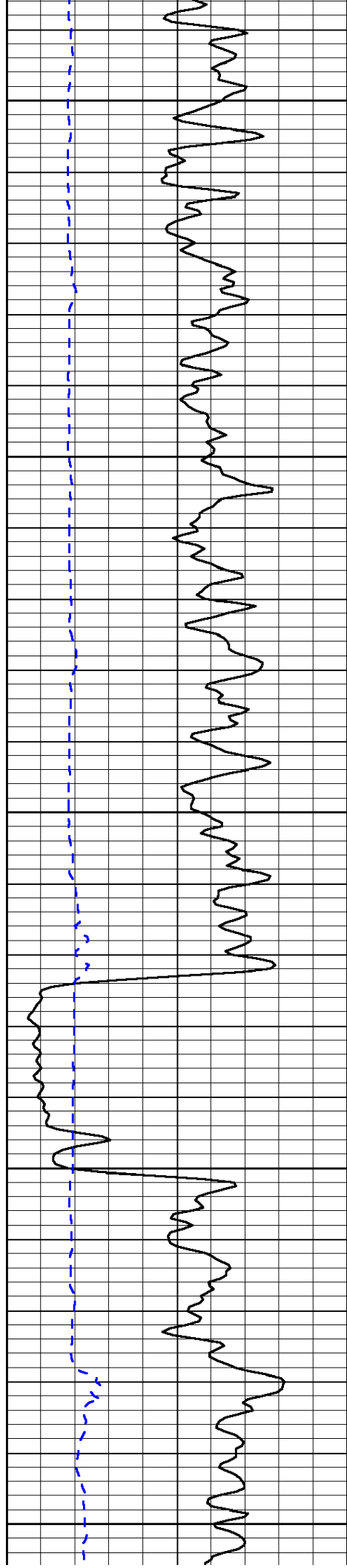


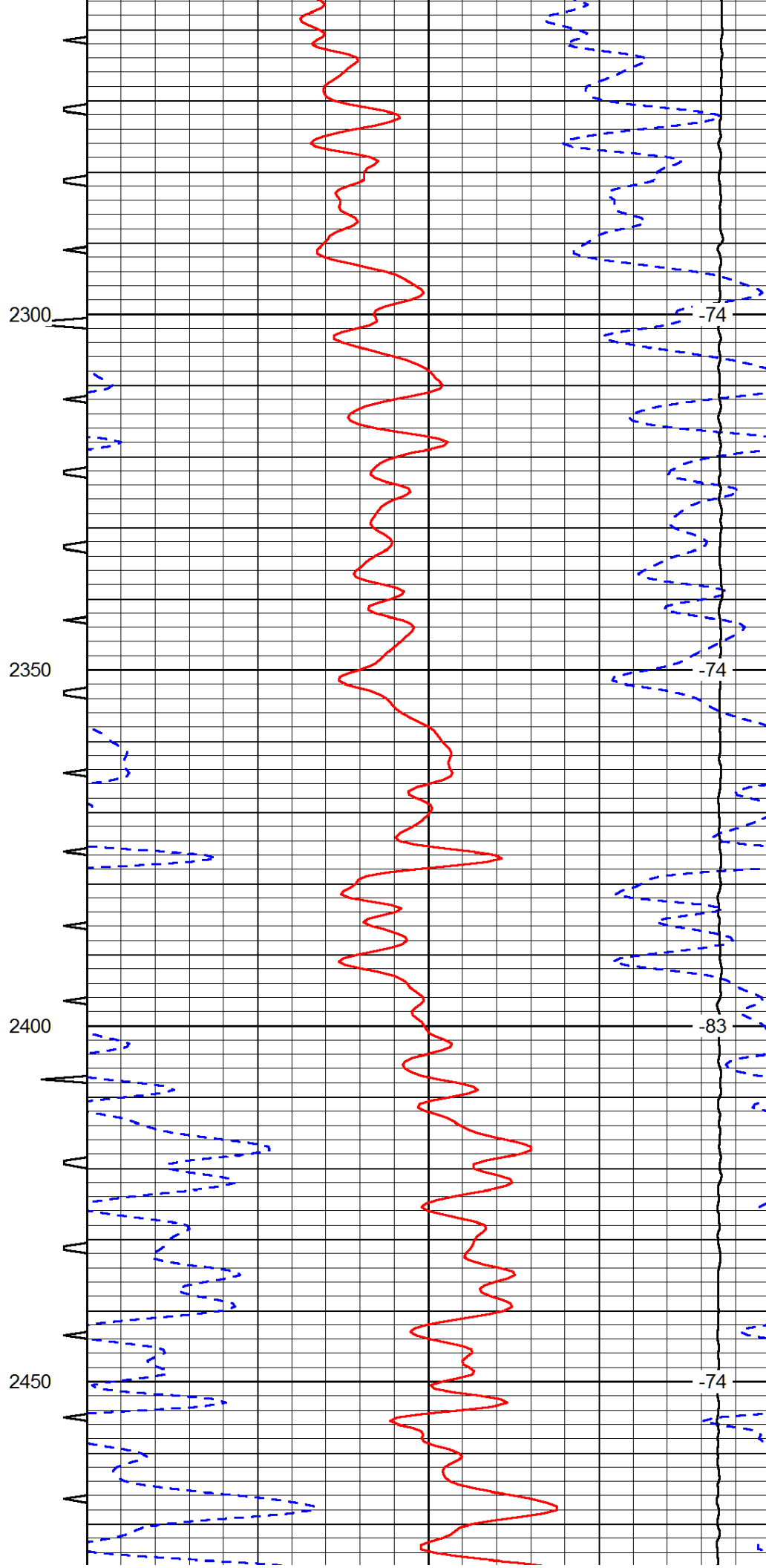
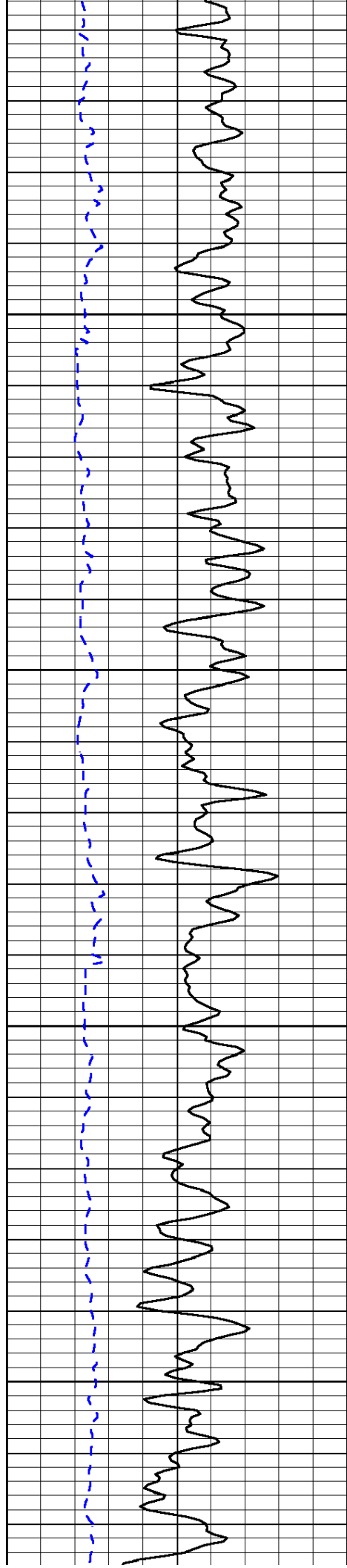


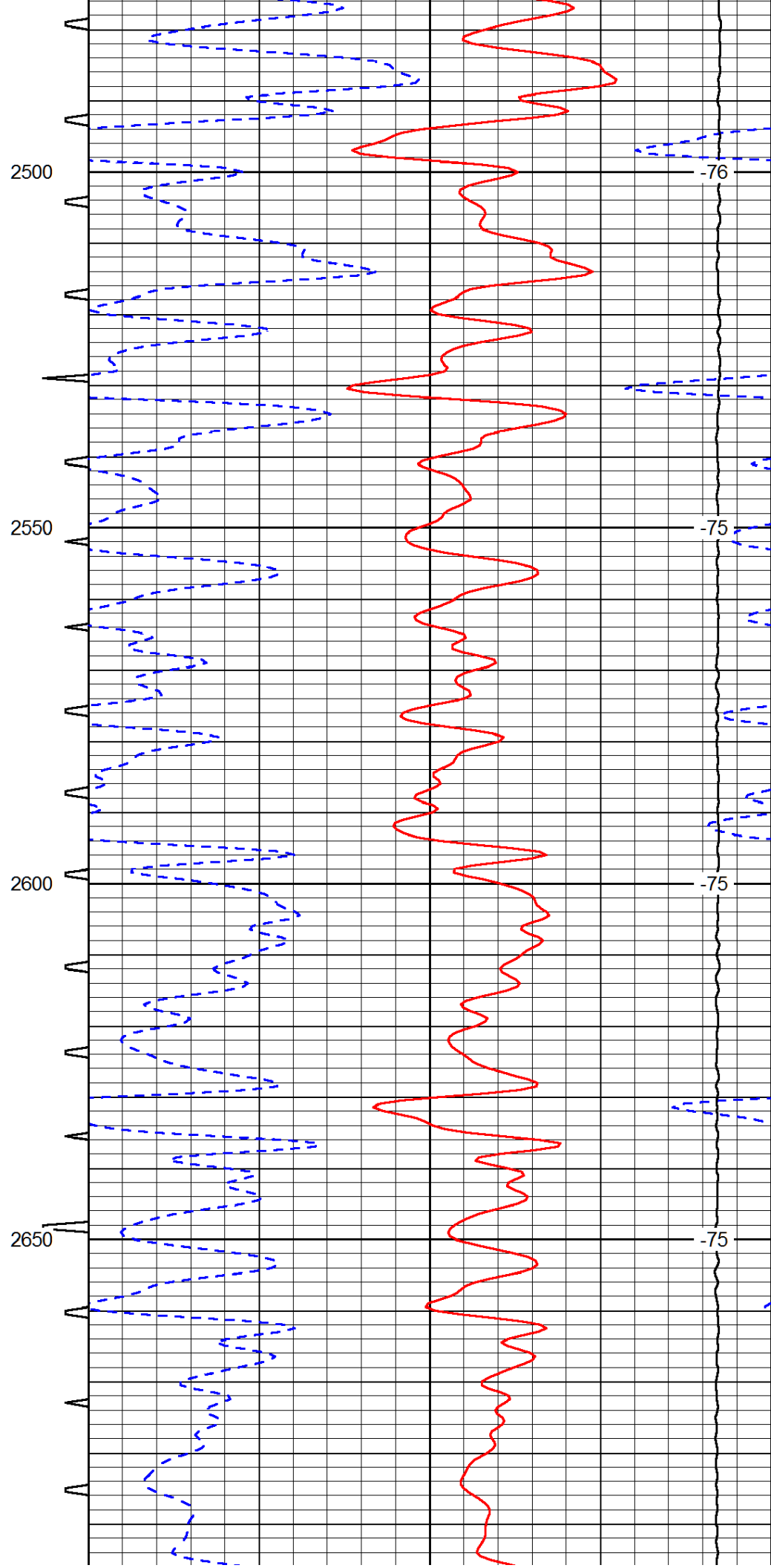
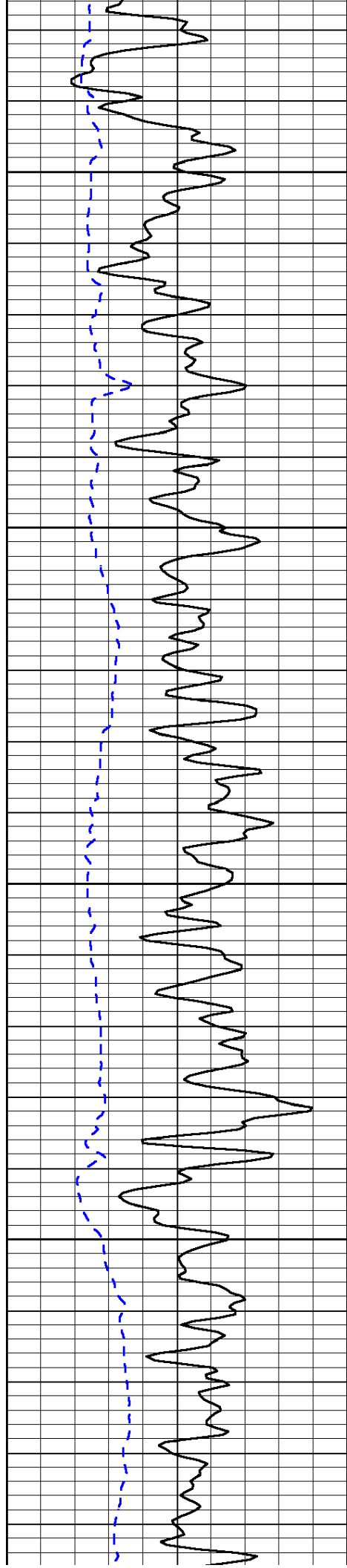


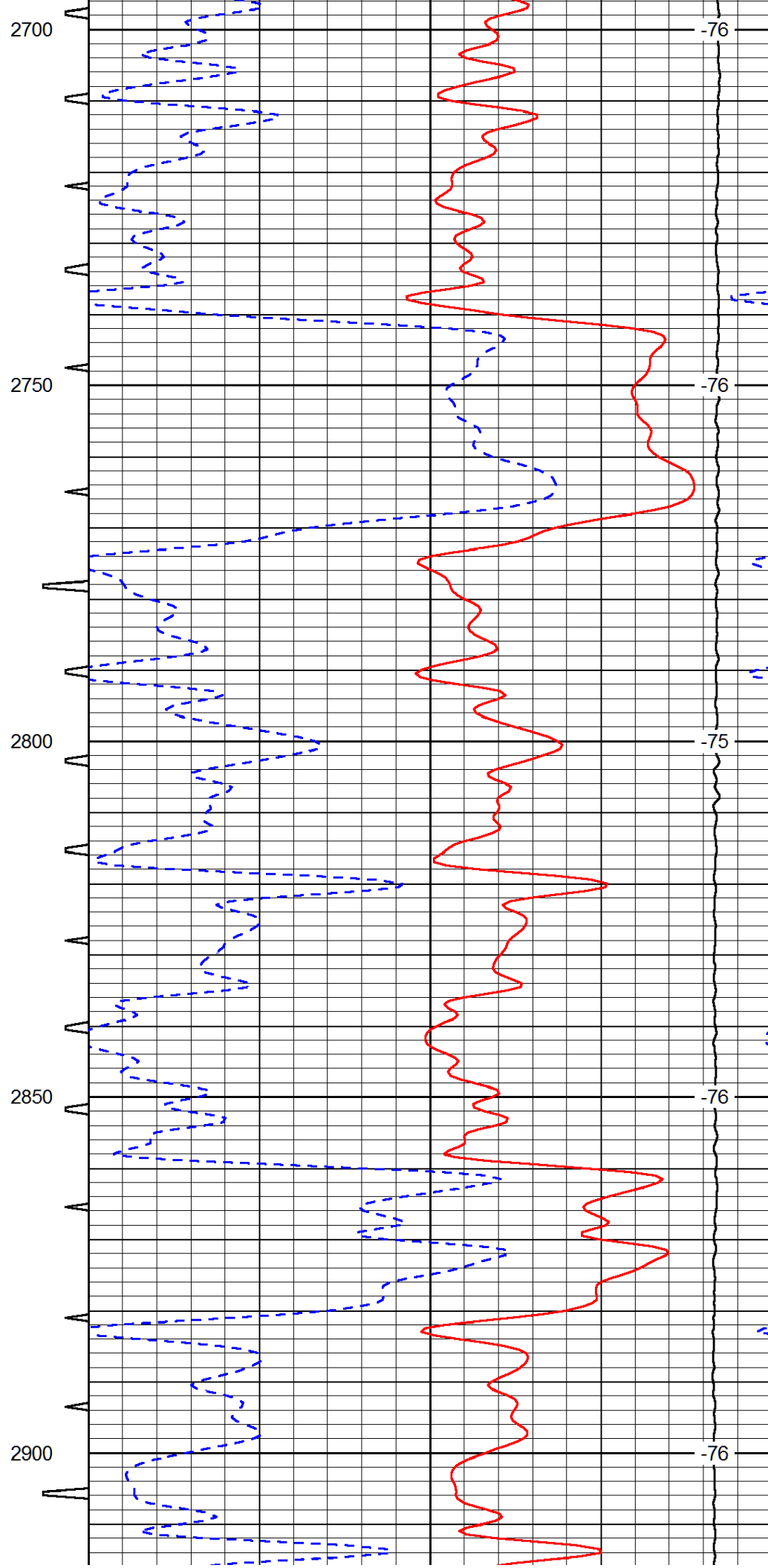
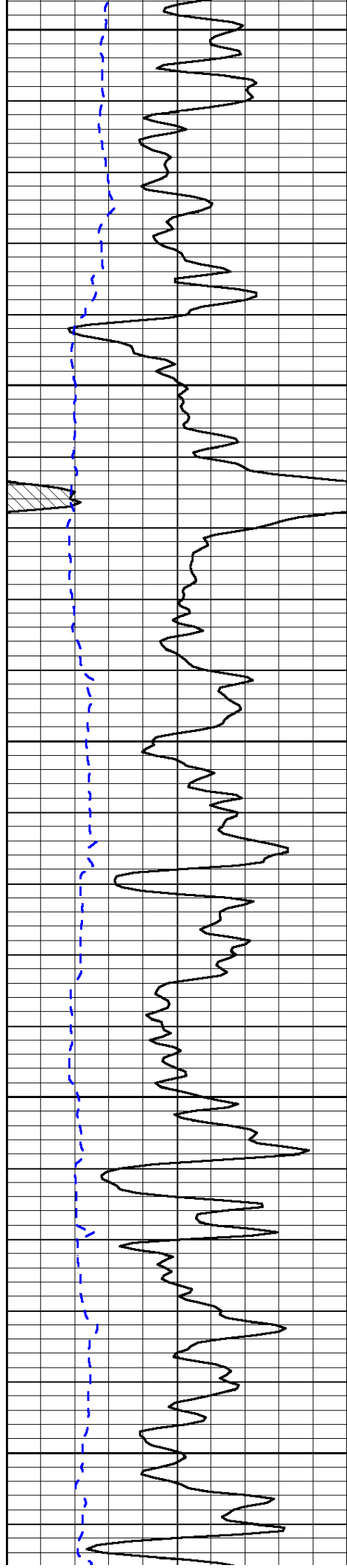


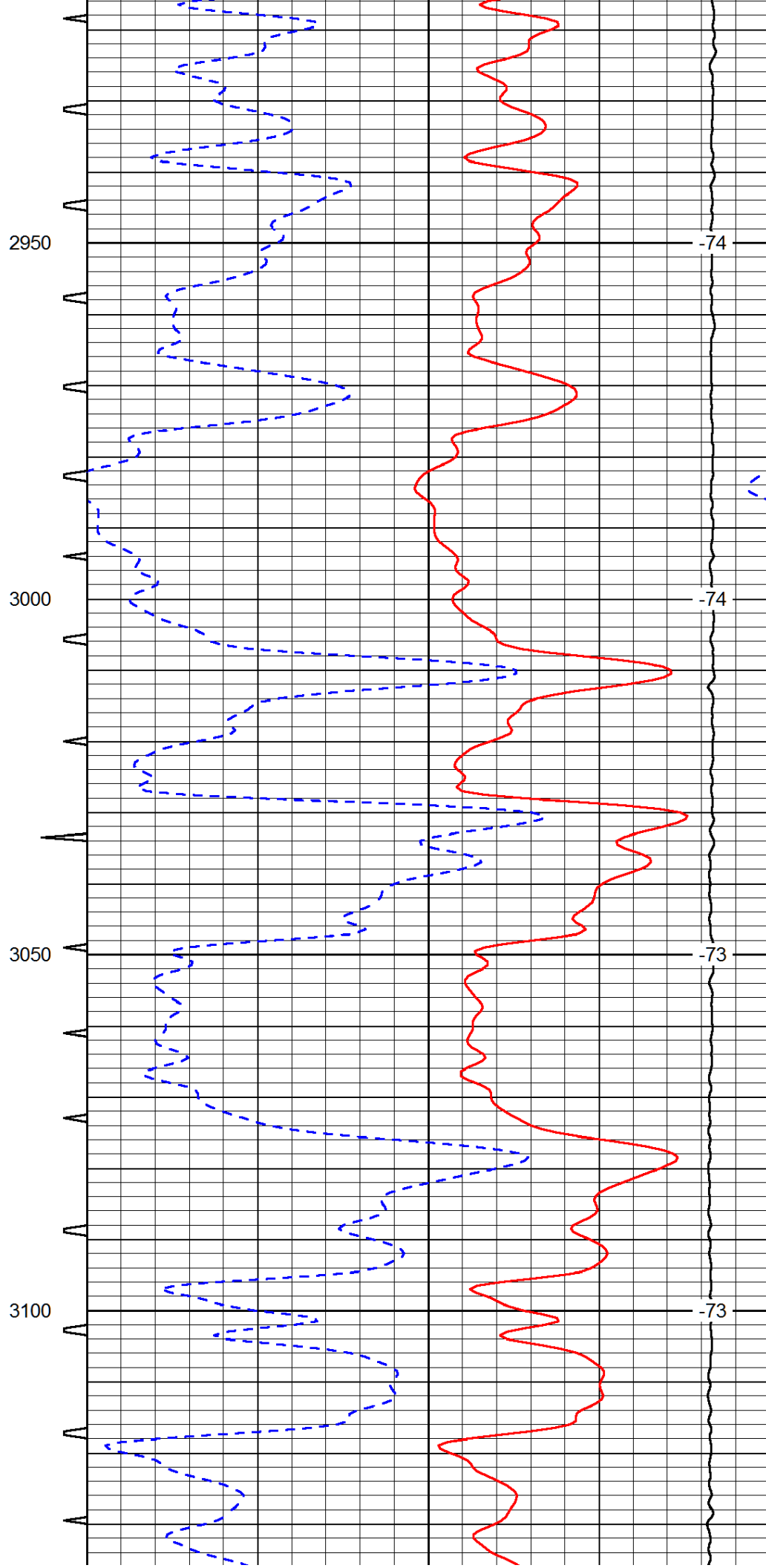
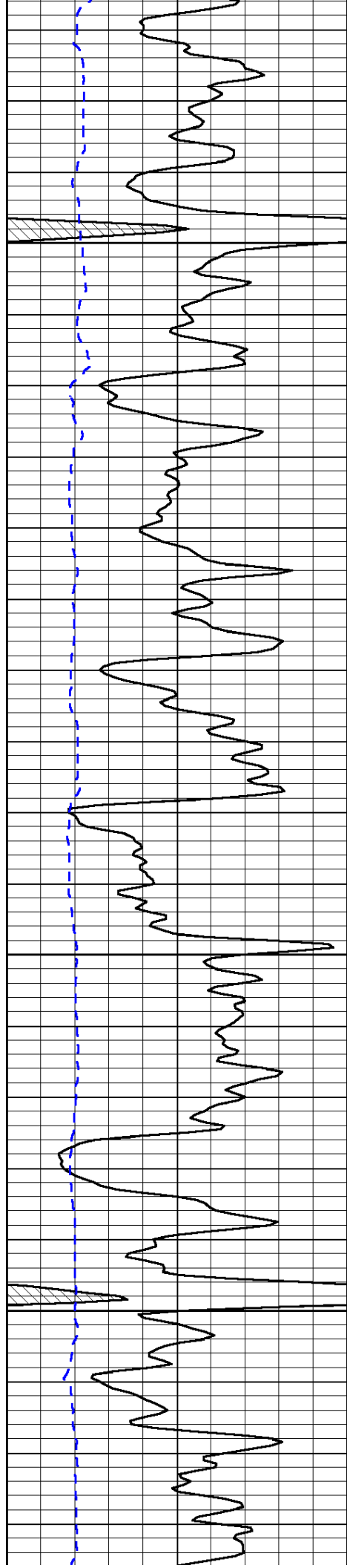


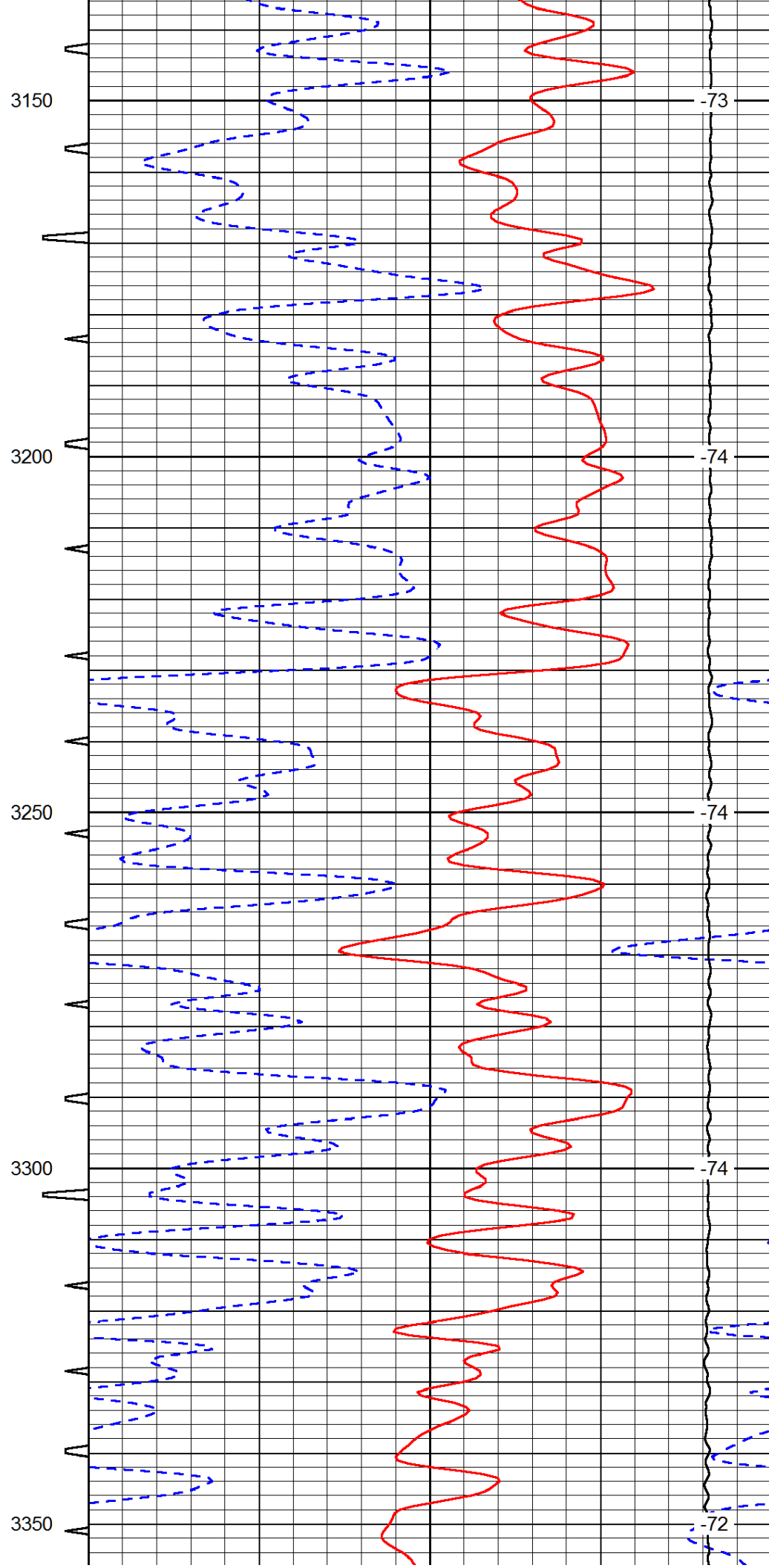
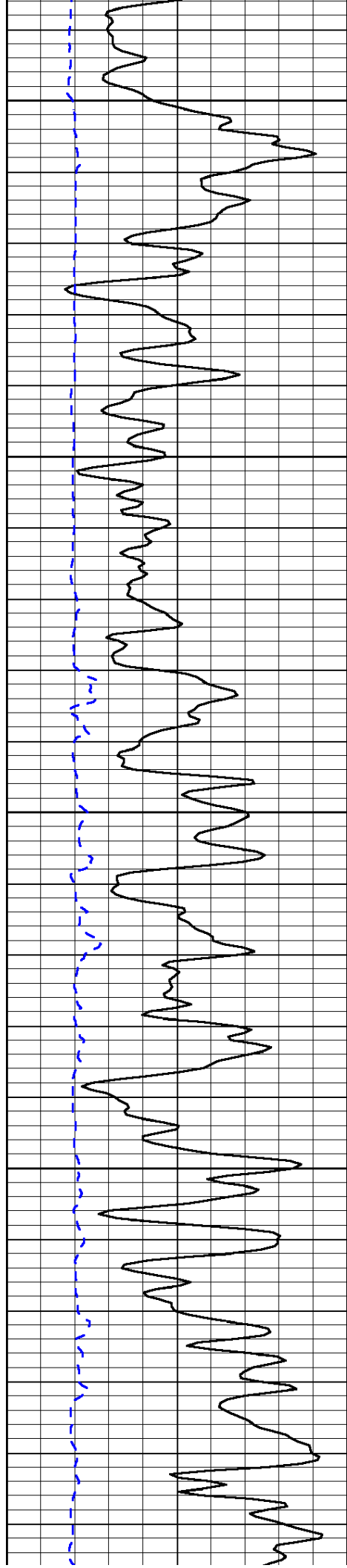


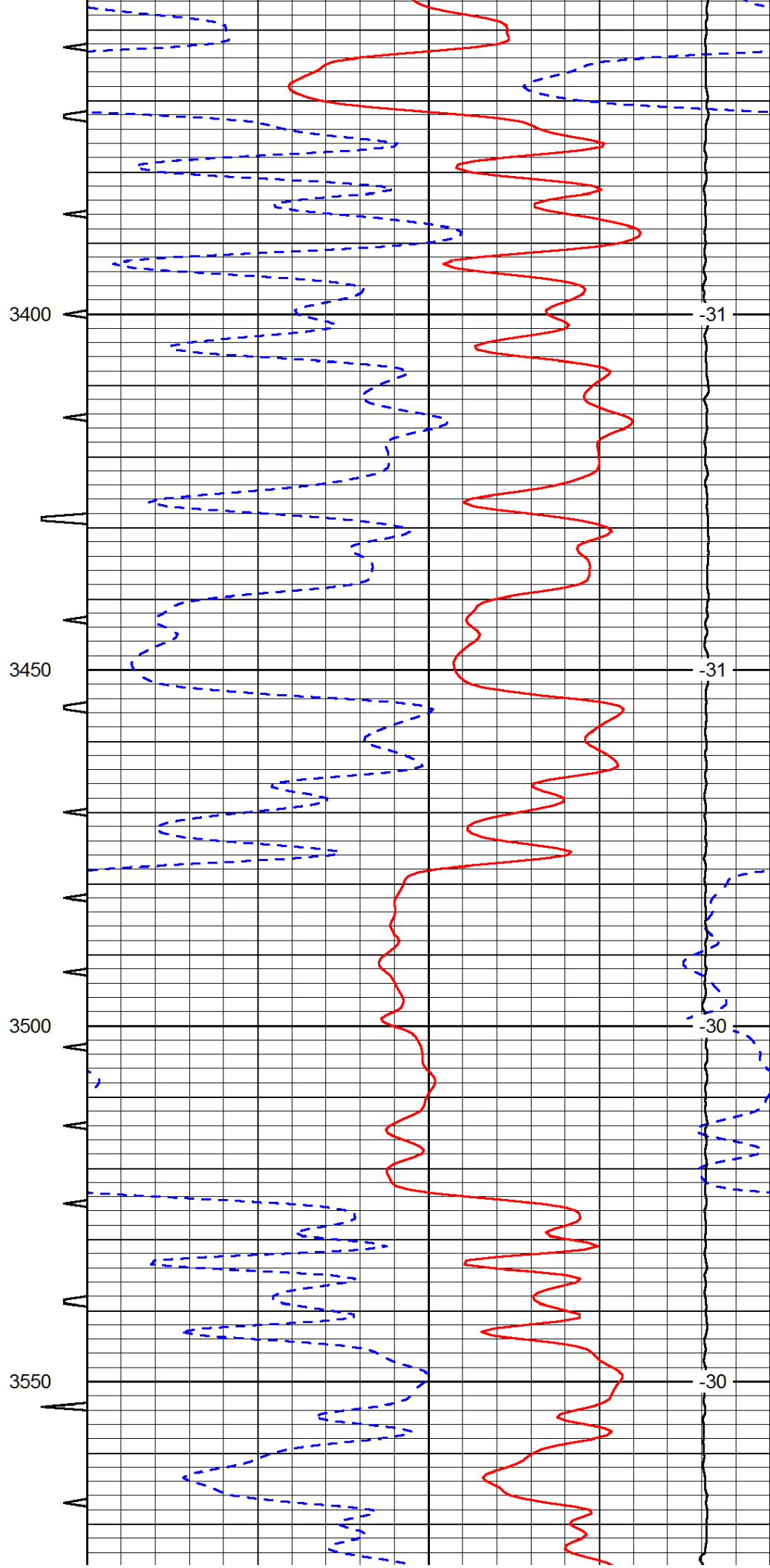
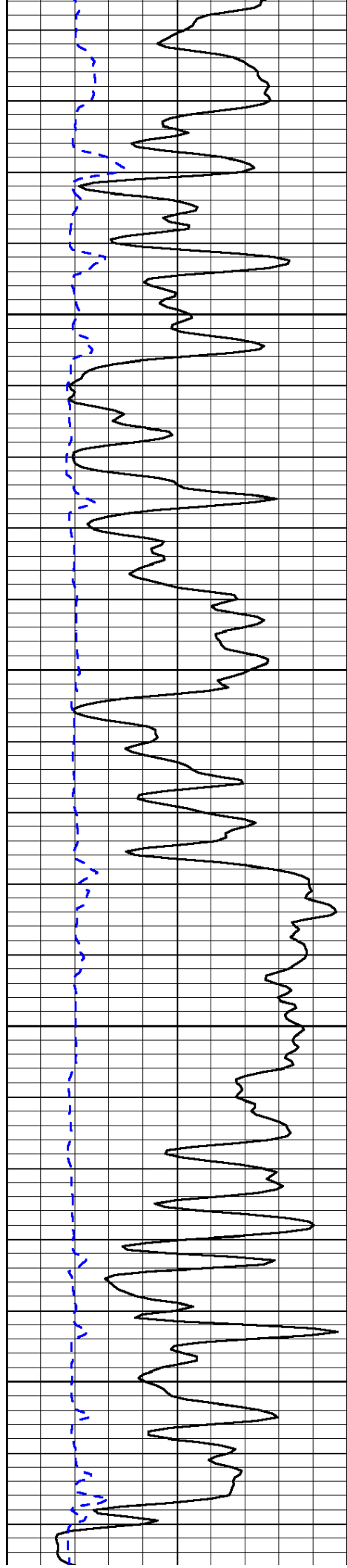


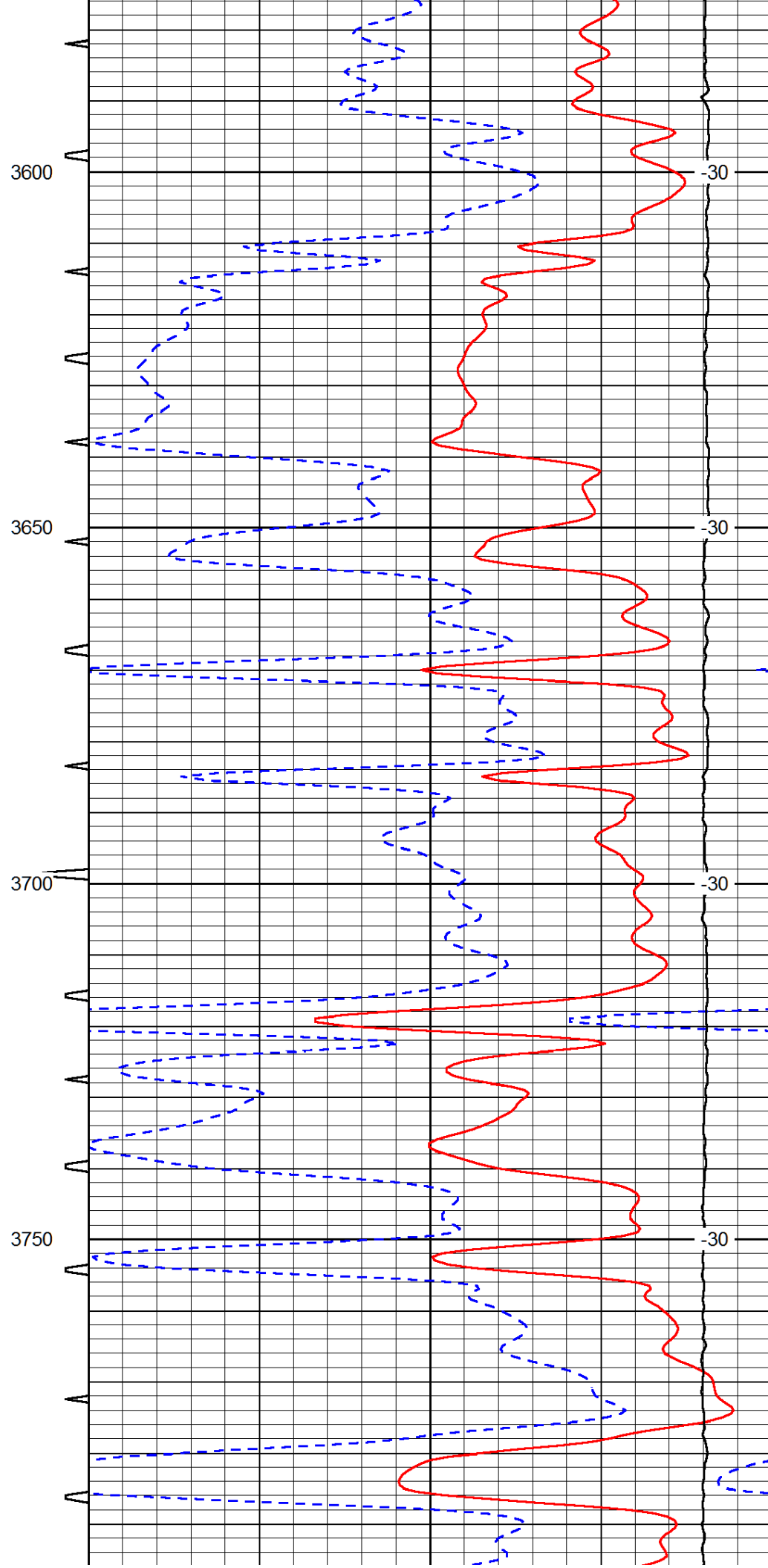
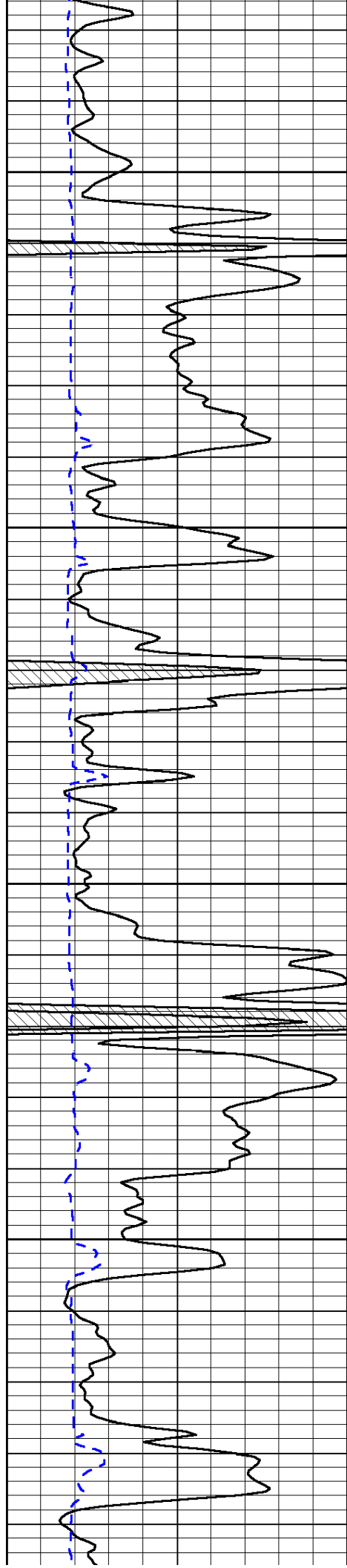


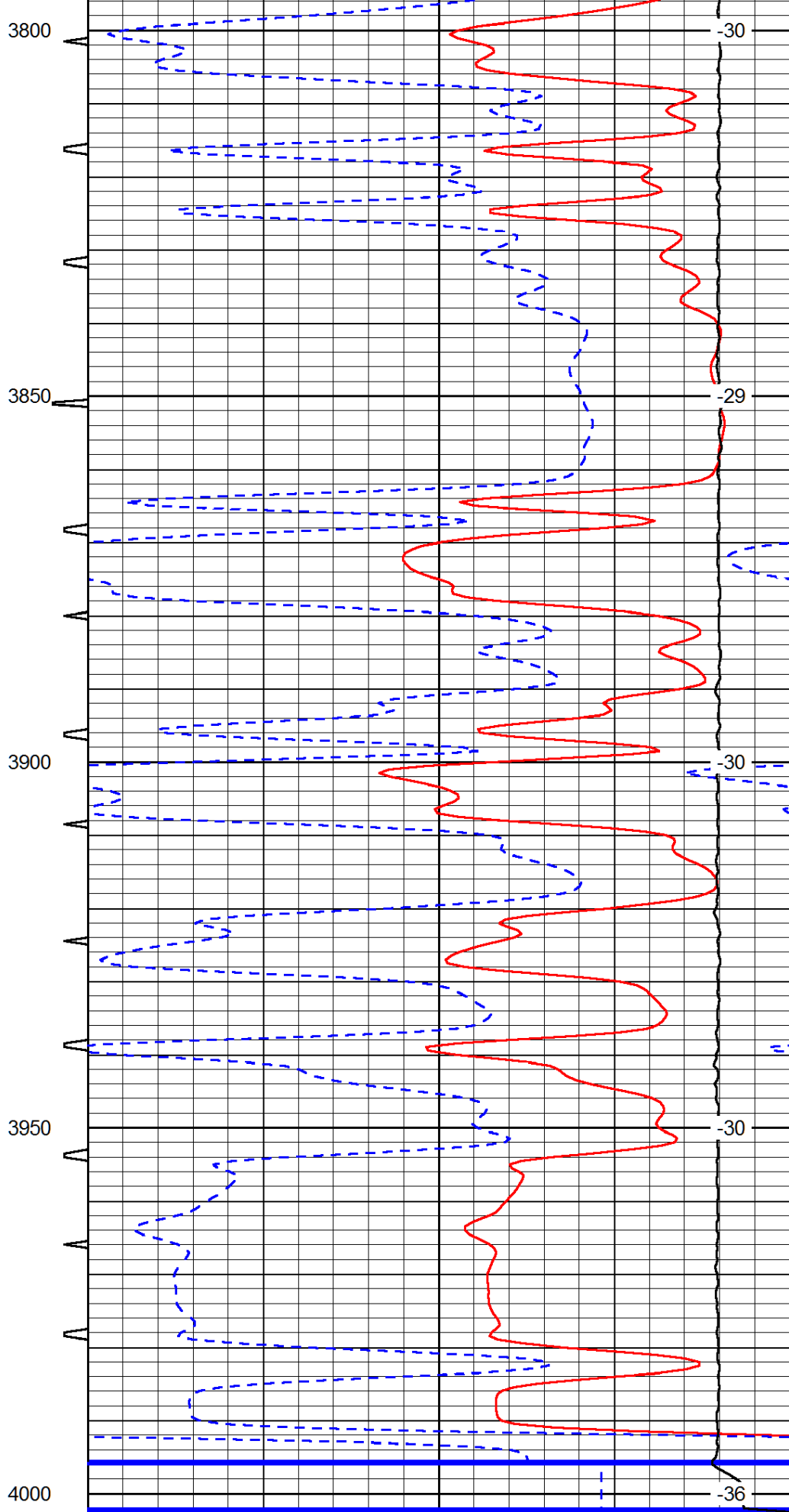
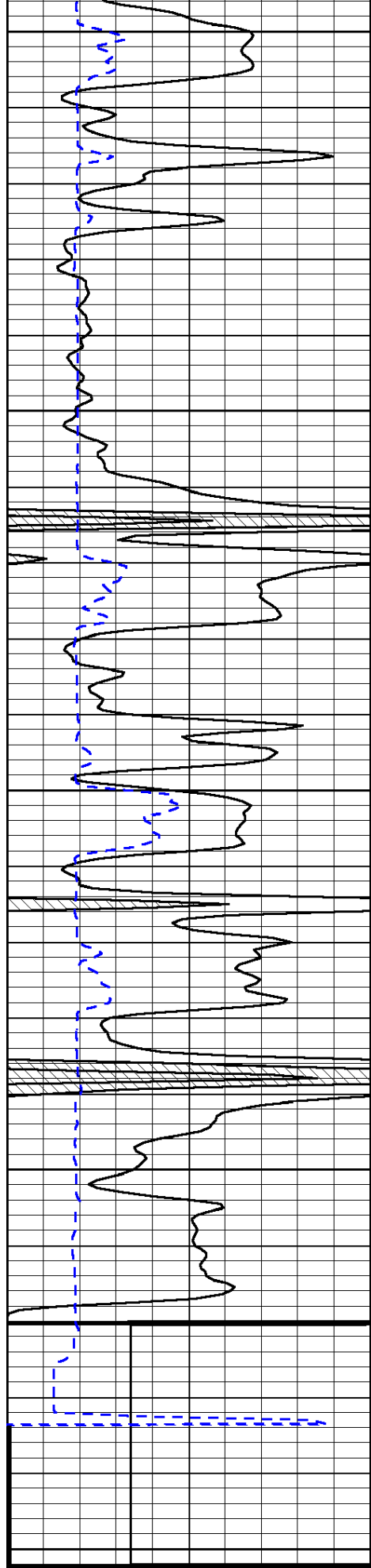












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