



PIONEER

Pioneer Energy Services

Borehole Compensated Sonic Log

API No.

15-109-21380-00-00

Company **Black Tea Oil, LLC**

Well **Rose Trust "B" #3**

Field **Wildcat**

County **Logan**

State **Kansas**

Location

**SE NW SE NW
1950' FNL / 1895' FWL**

Other Services
CNL / CDL
MEL / DIL

Sec: **29**

Twp: **14S**

Rge: **32W**

Elevation

Permanent Datum Ground Level Elevation 2656

Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum

K.B. 2665
D.F.
G.L. 2656

Drilling Measured From Kelly Bushing

Elevation

Date 1/17/2015

Run Number Two

Type Log BHC Sonic

Depth Driller 4372

Depth Logger 4370

Bottom Logged Interval 4359

Top Logged Interval 250

Type Fluid In Hole Chemical

Salinity, PPM CL 10,000

Density 9.2

Level Full

Max. Rec. Temp. F 120

Operating Rig Time 5 Hours

Equipment -- Location 15 Hays

Recorded By R. Barnhart

Witnessed By Mike Sell

Borehole Record

Casing Record

Run No Bit From To Size Wgt. From To

One 12.25 00 264 8.625 23# 00 264

Two 7.875 264 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.

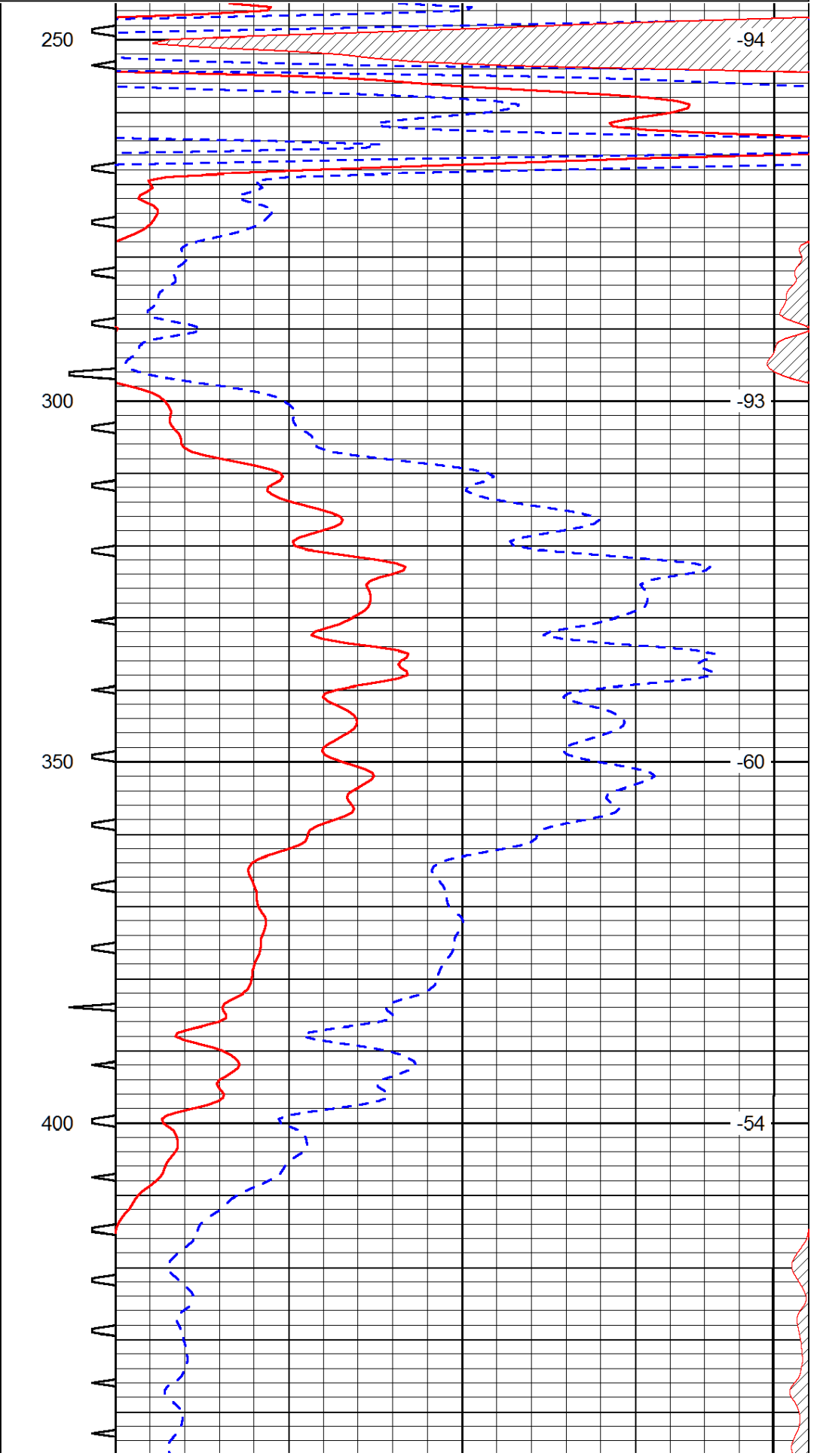
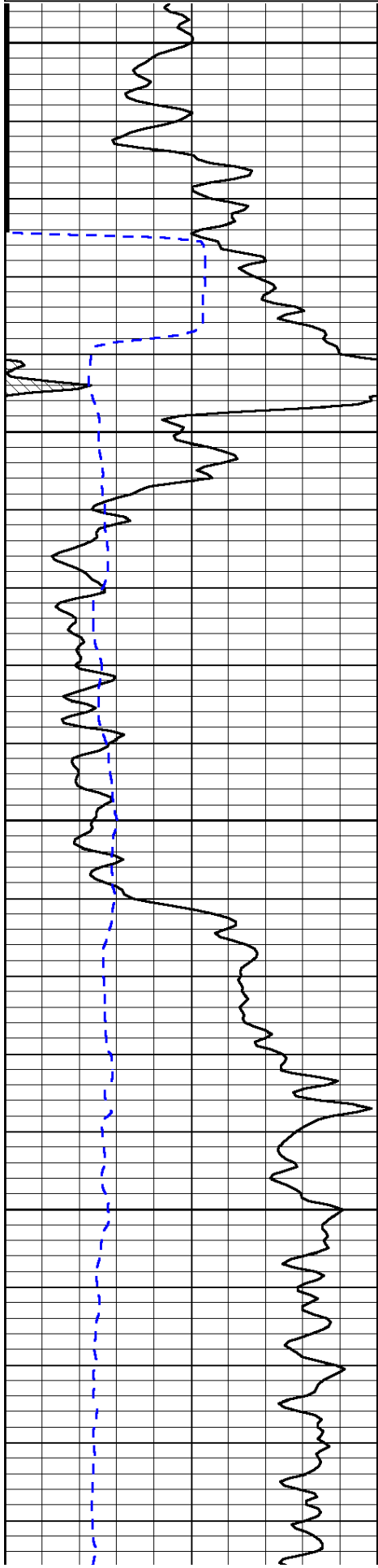
Comments

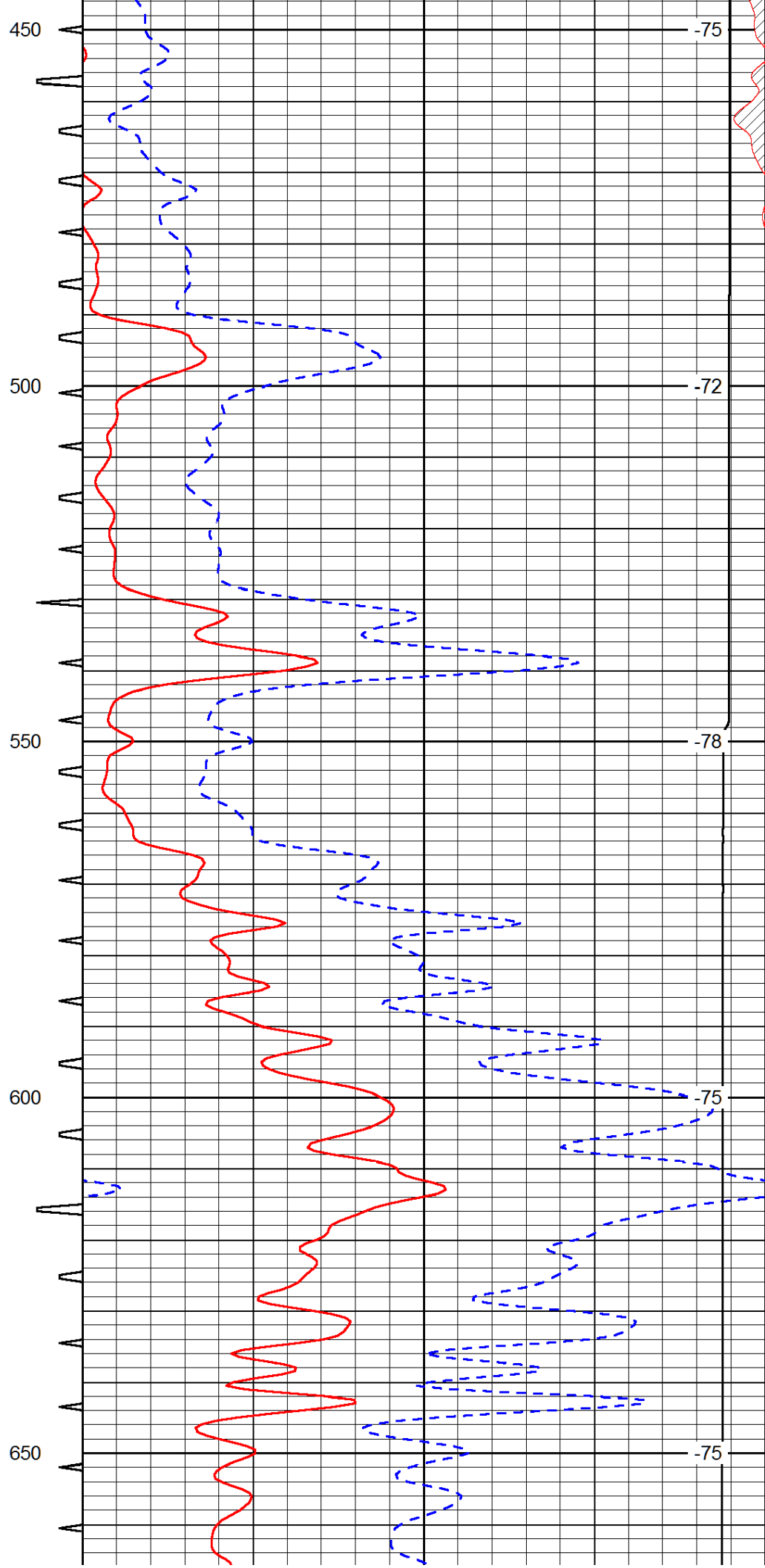
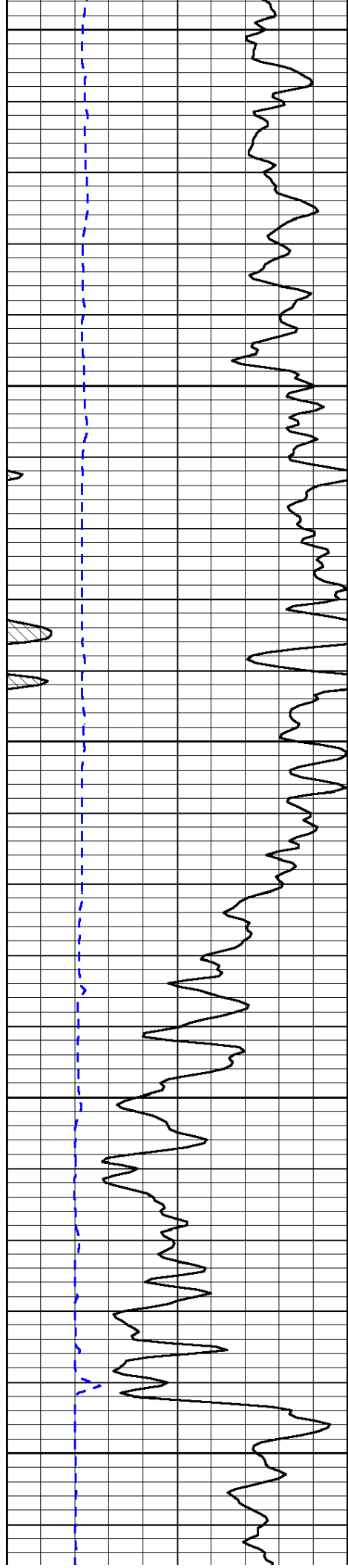
Thank you for using Log-Tech, Inc.
(785) 625-3858

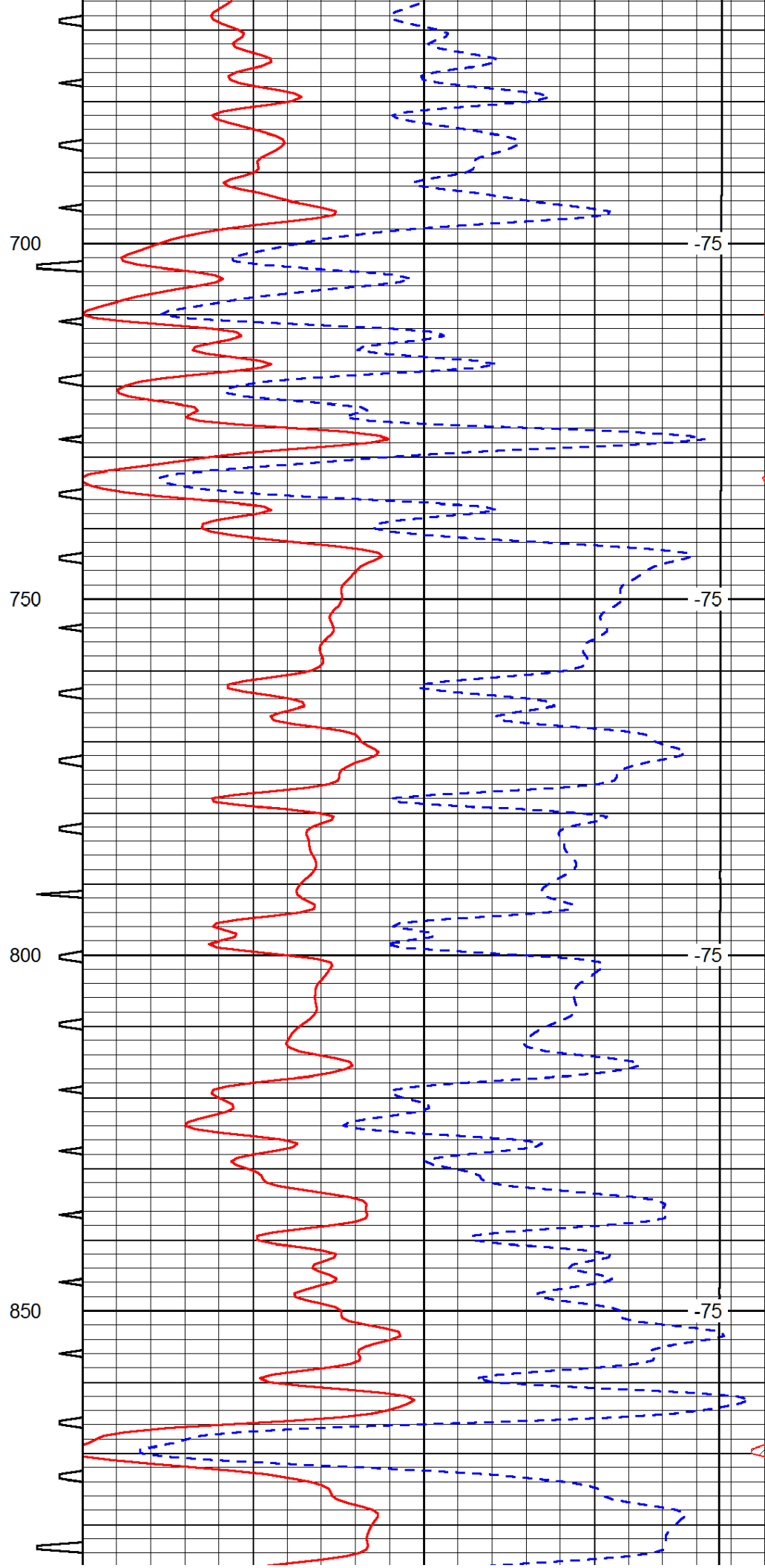
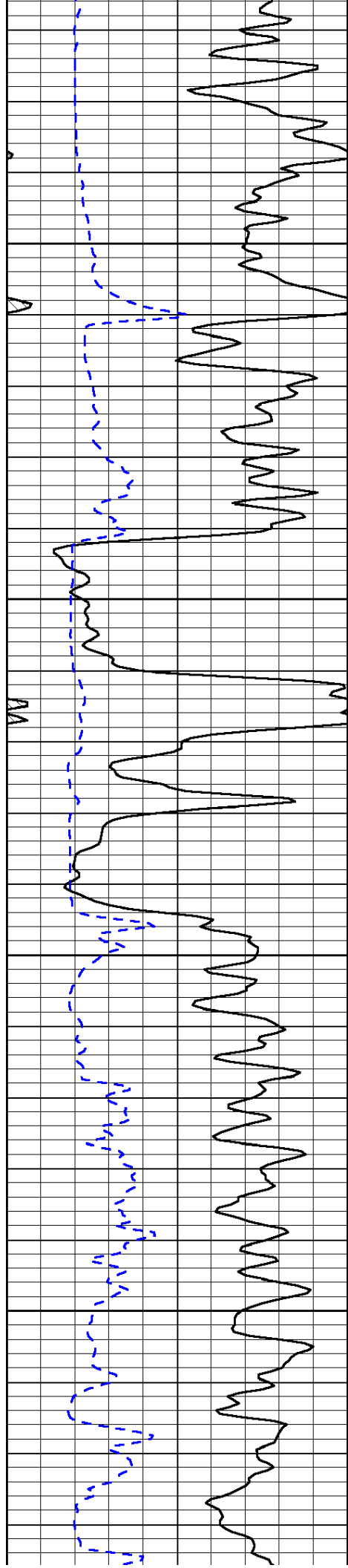
Oakley, KS:
S to Gold Rd., 2 1/2W, 1 1/2N into

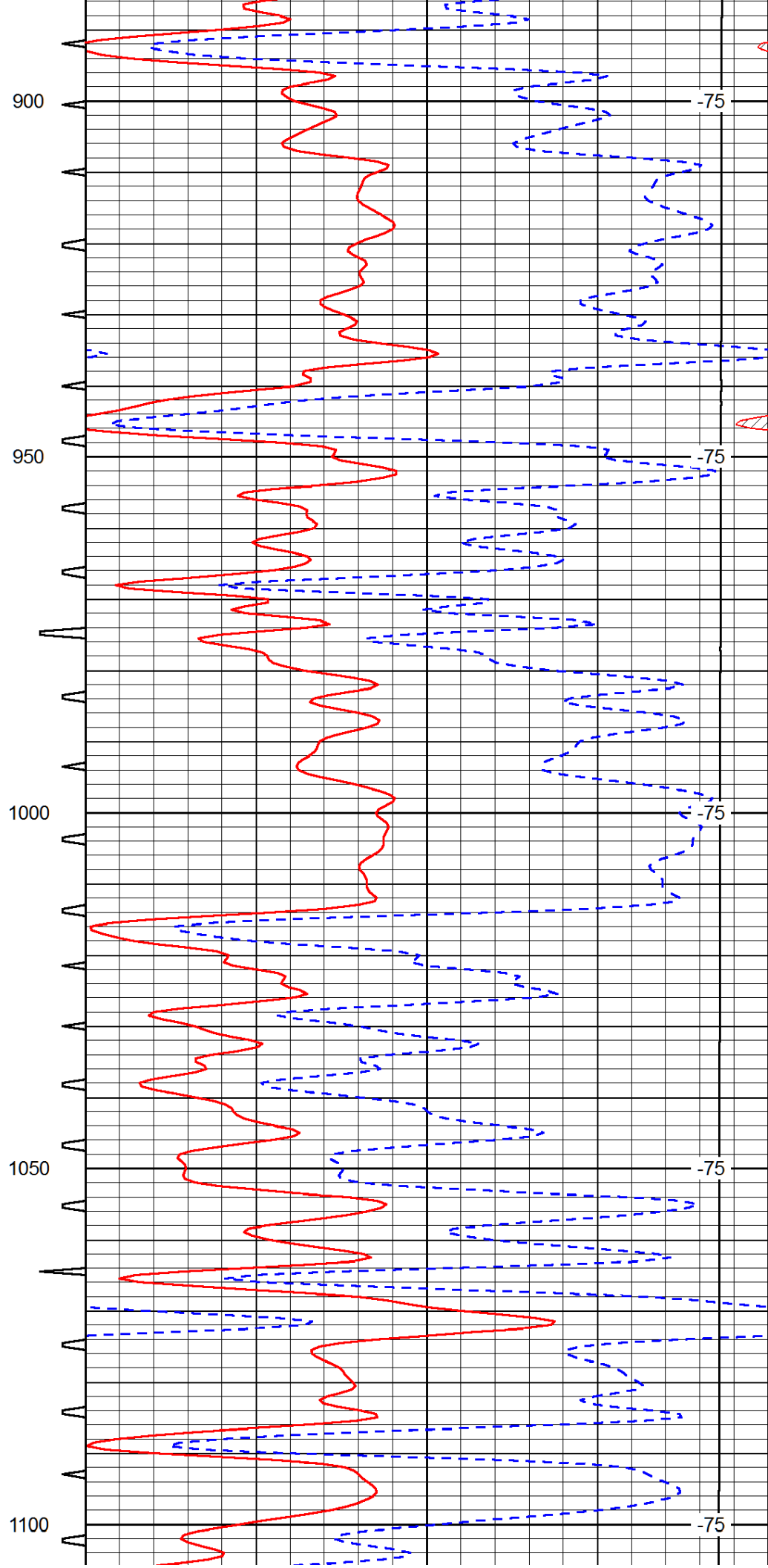
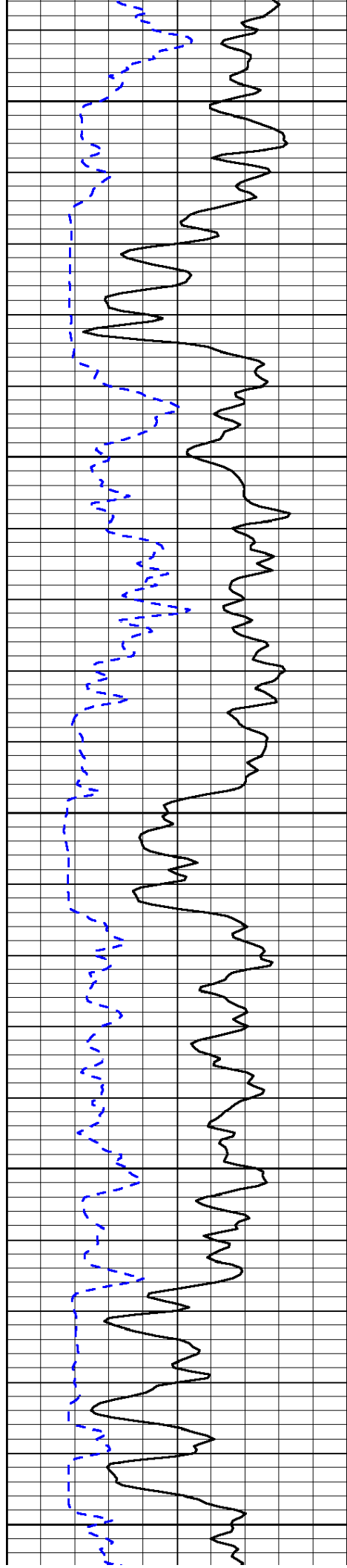
Database File: blktea_rhd.db
Dataset Pathname: dil/bktmain
Presentation Format: sonic
Dataset Creation: Sat Jan 17 19:03:25 2015
Charted by: Depth in Feet scaled 1:240

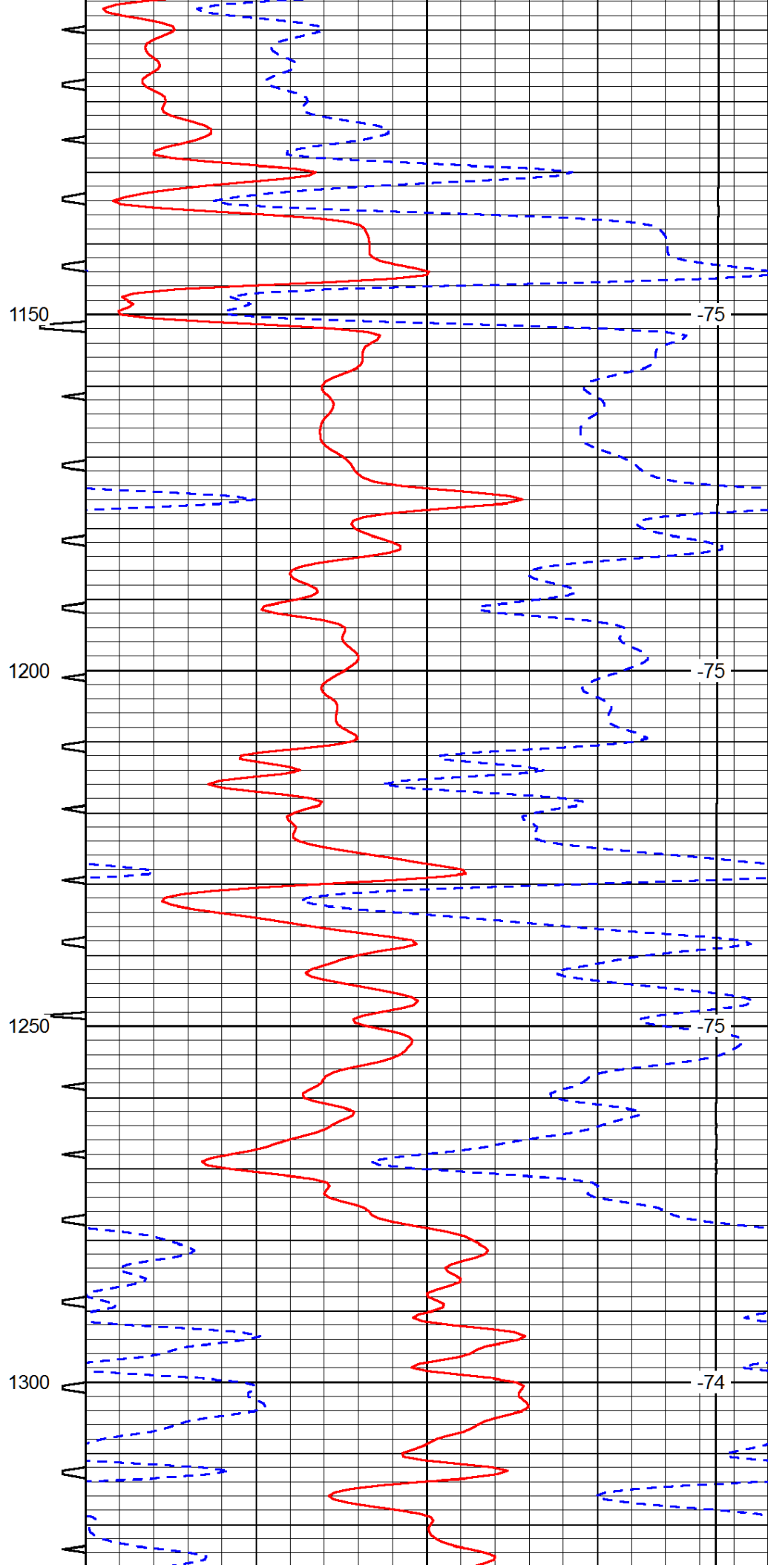
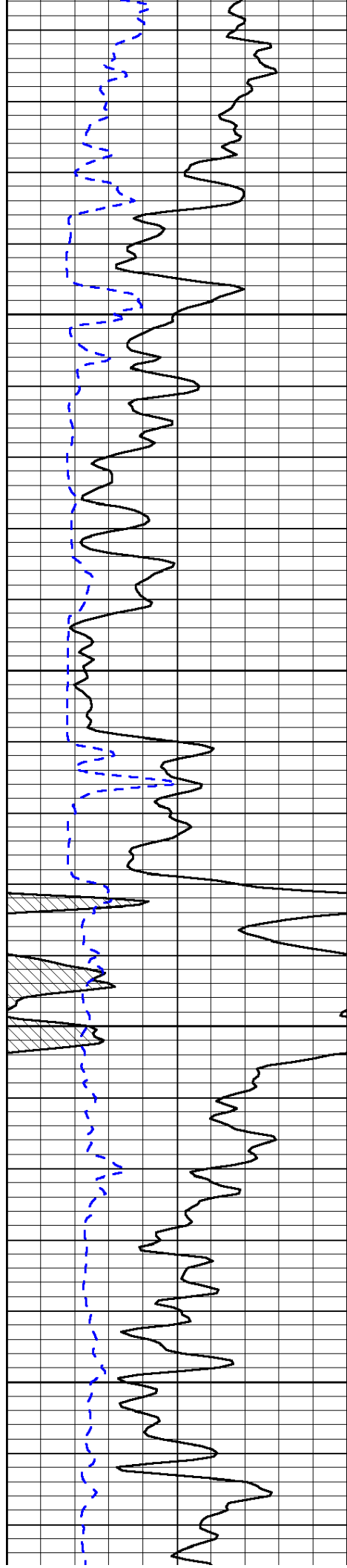
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40
150	Gamma Ray	300	5	0	Sonic Porosity	-10
6	dCAL (GAPI)	16		15000	LTEN (lb)	0
						LSPD

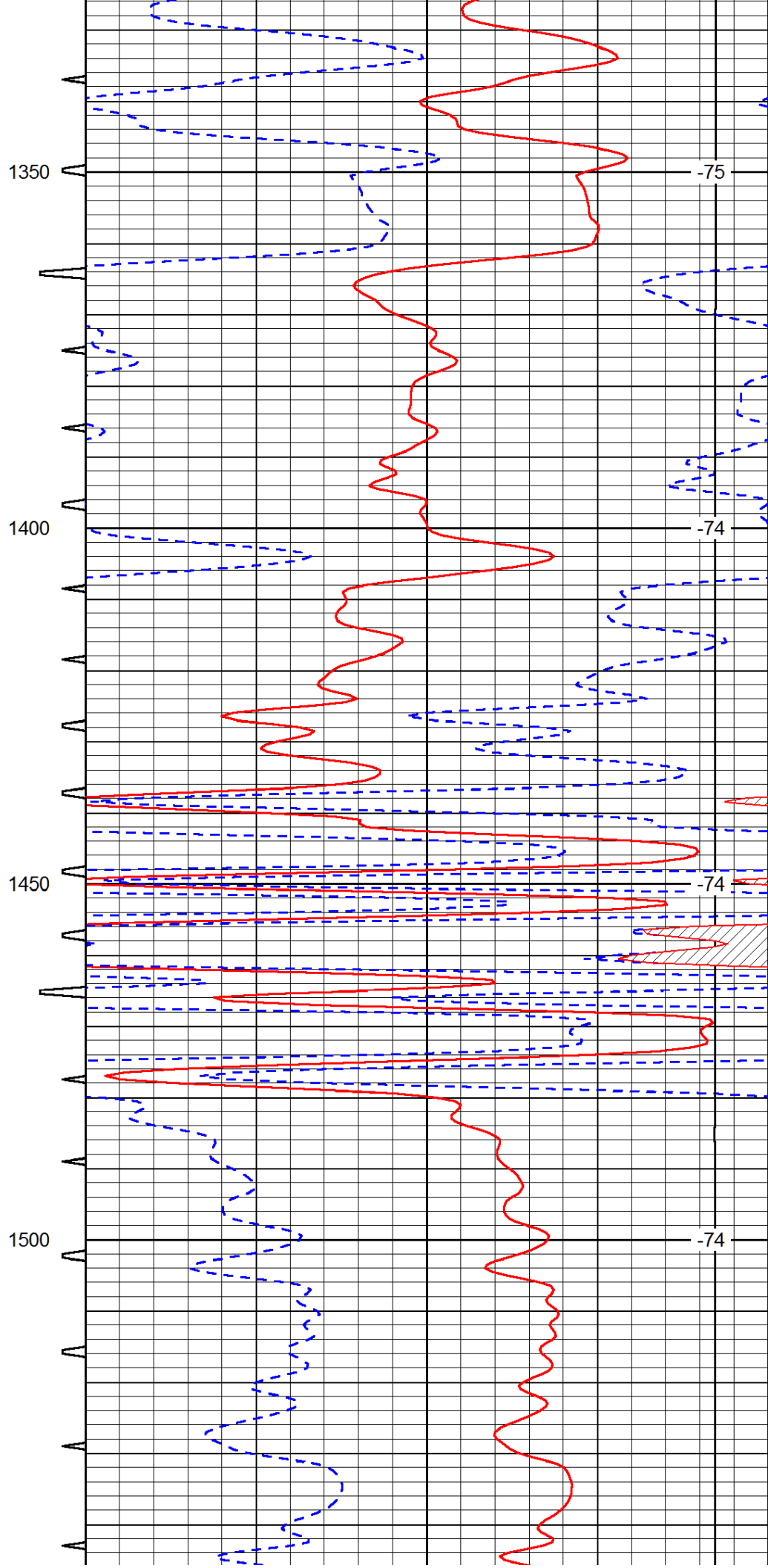
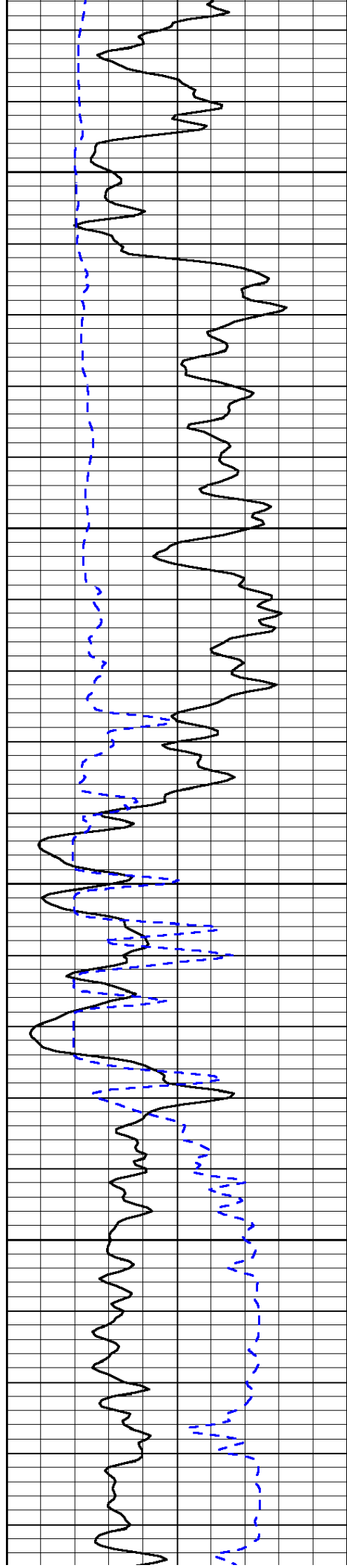


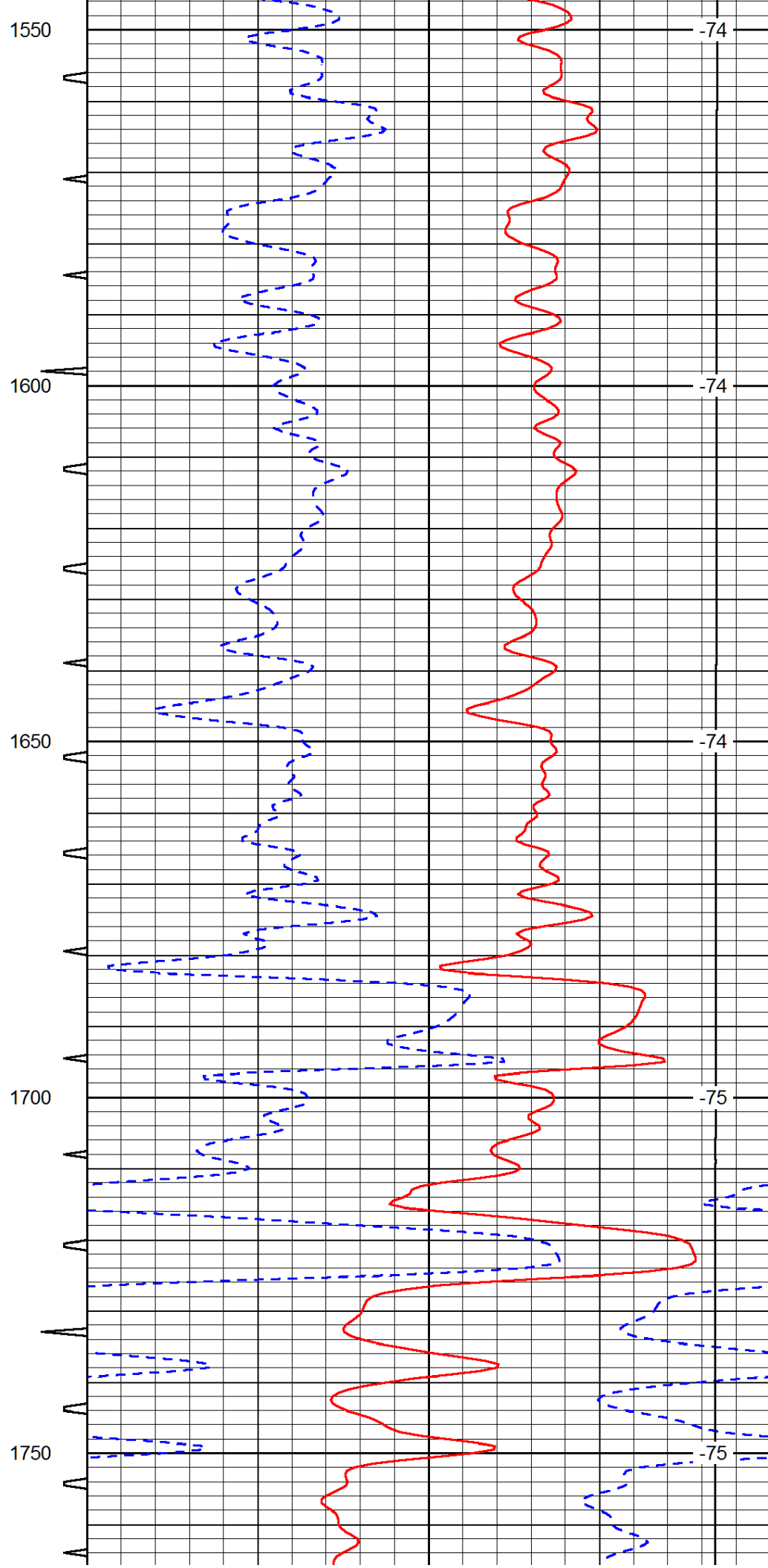
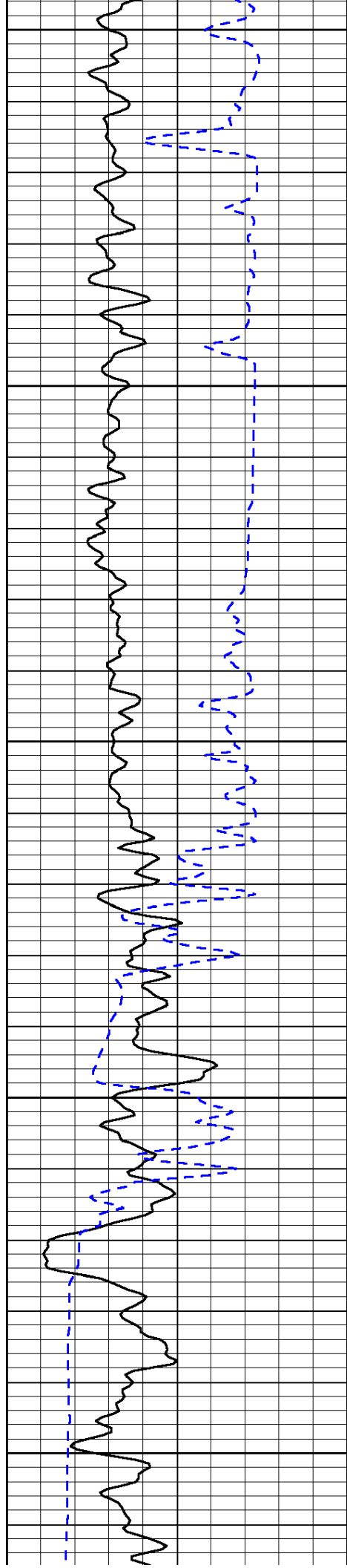


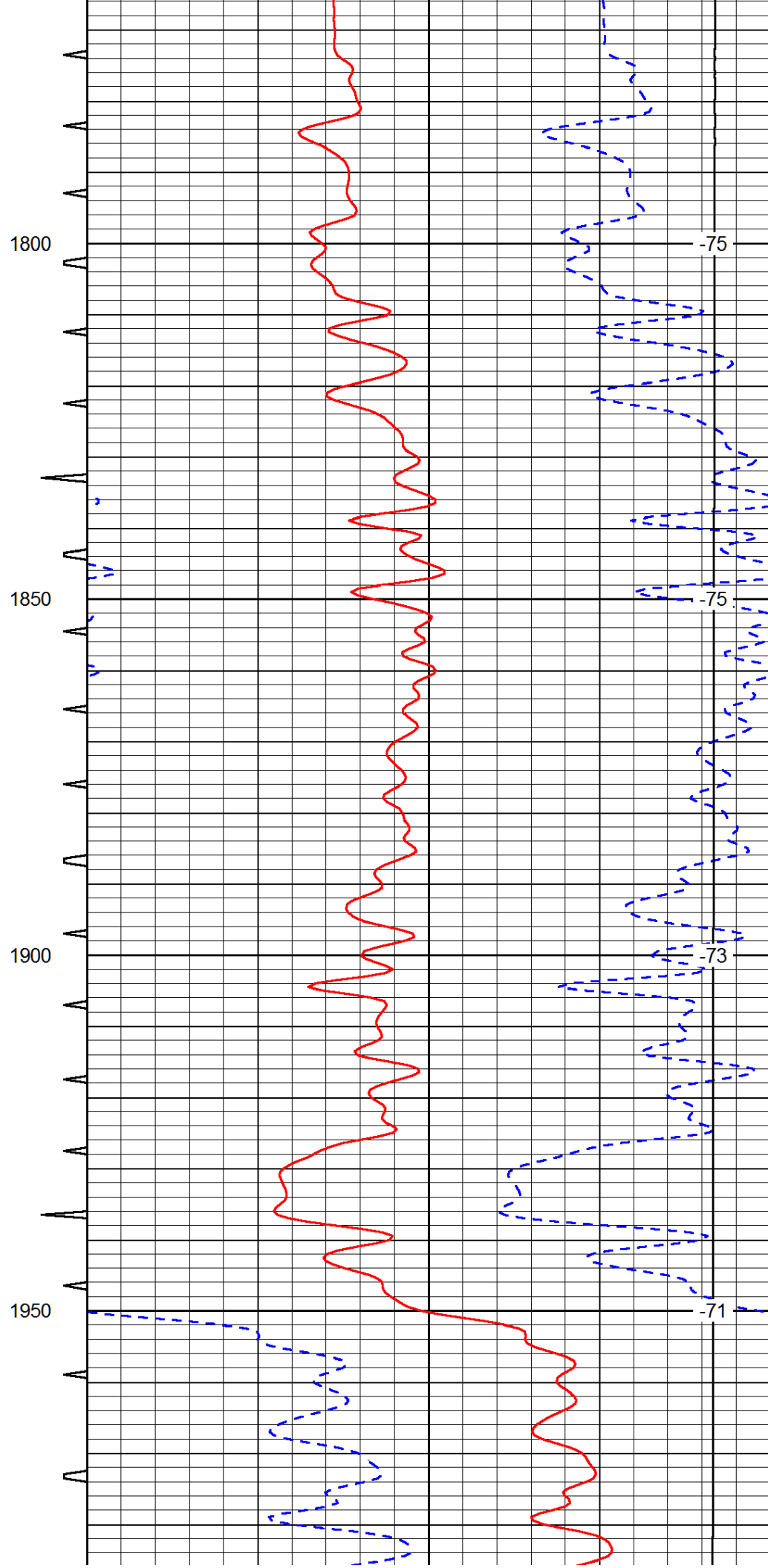
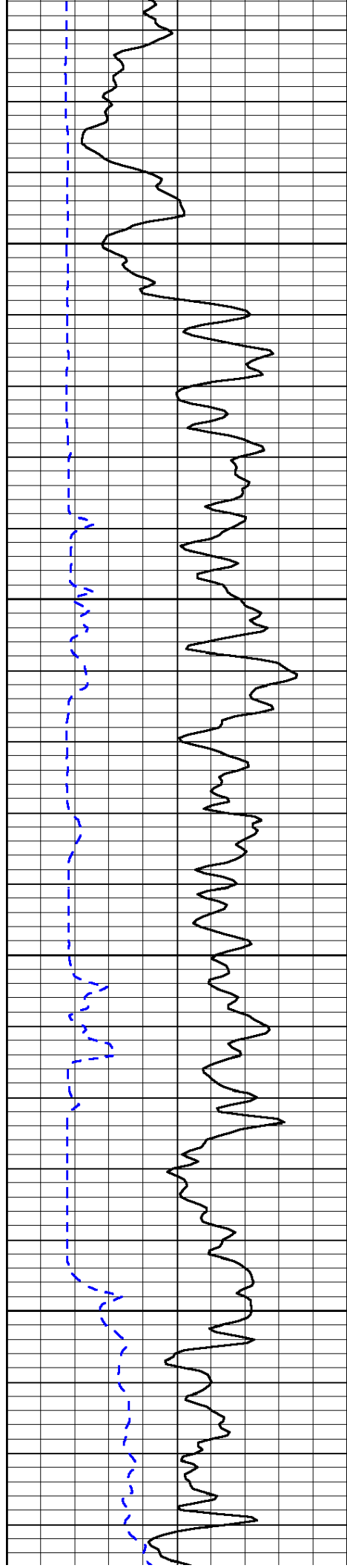


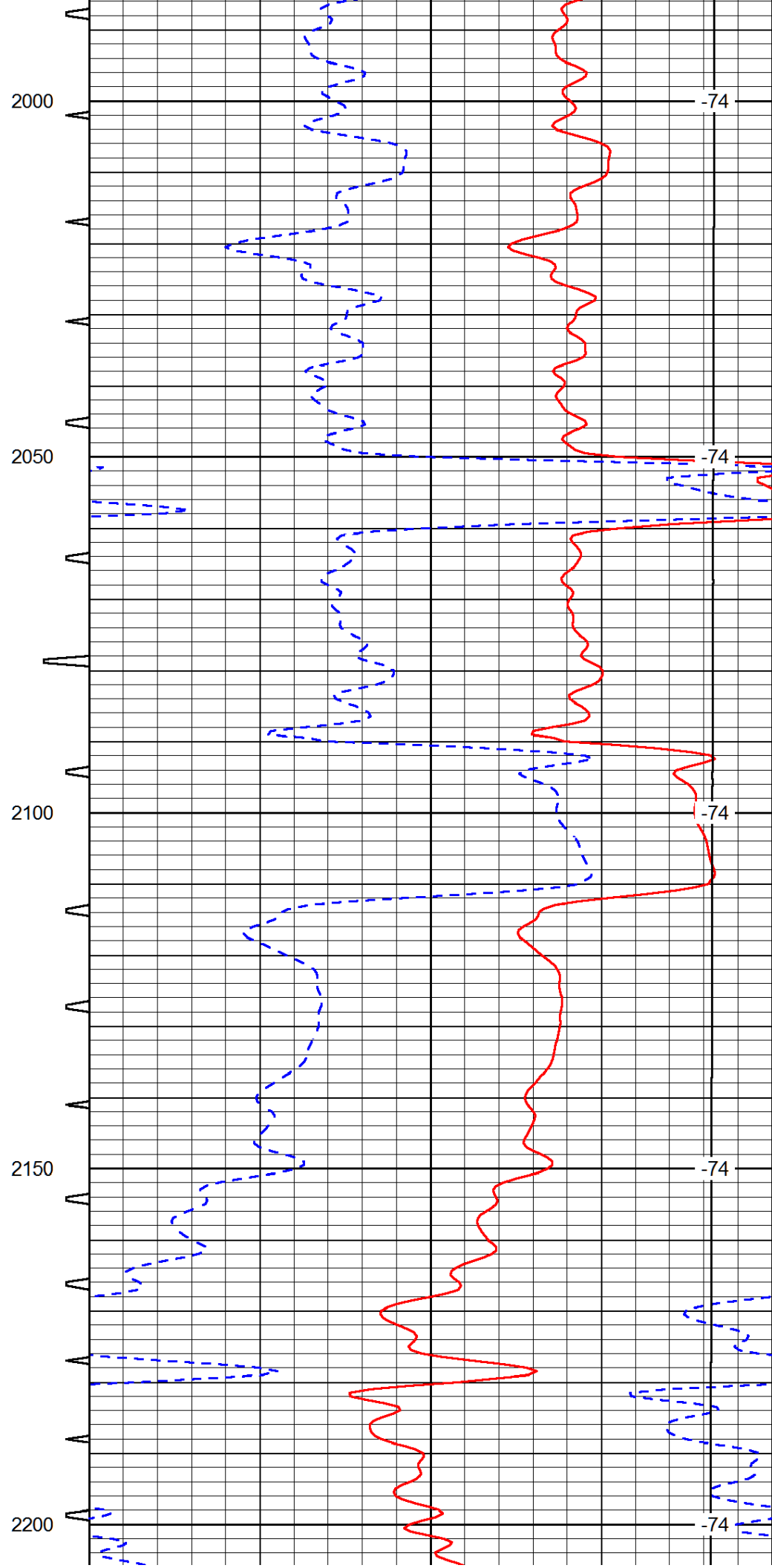
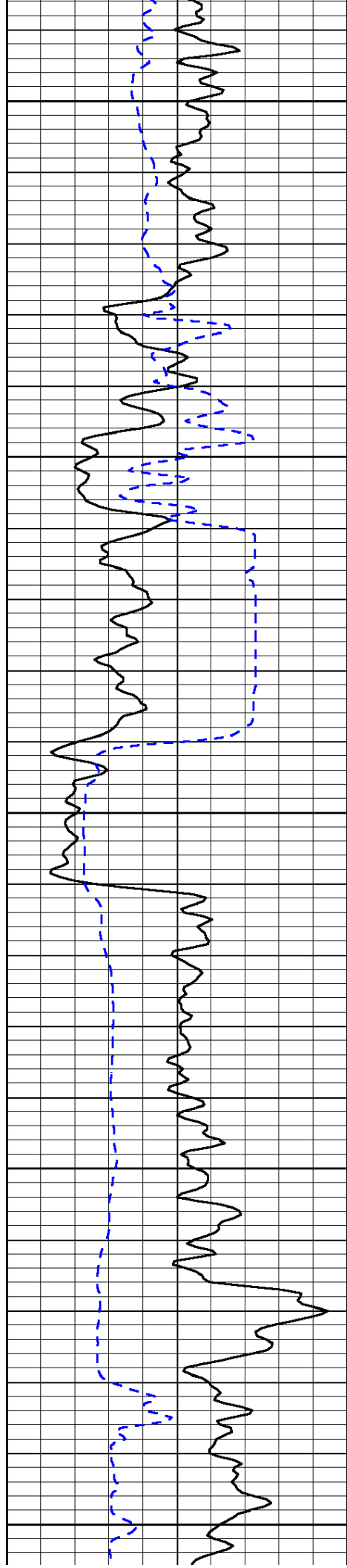


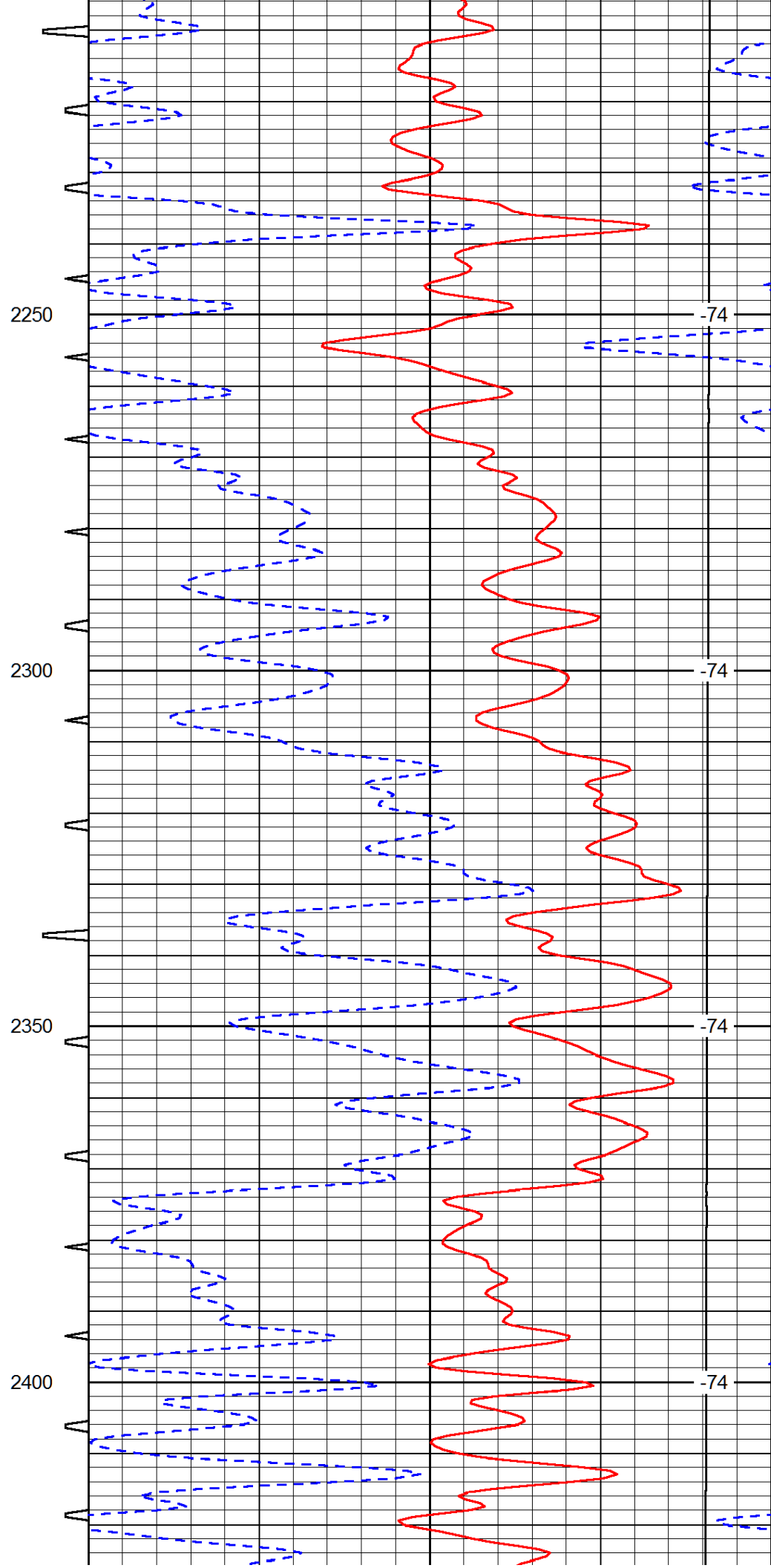
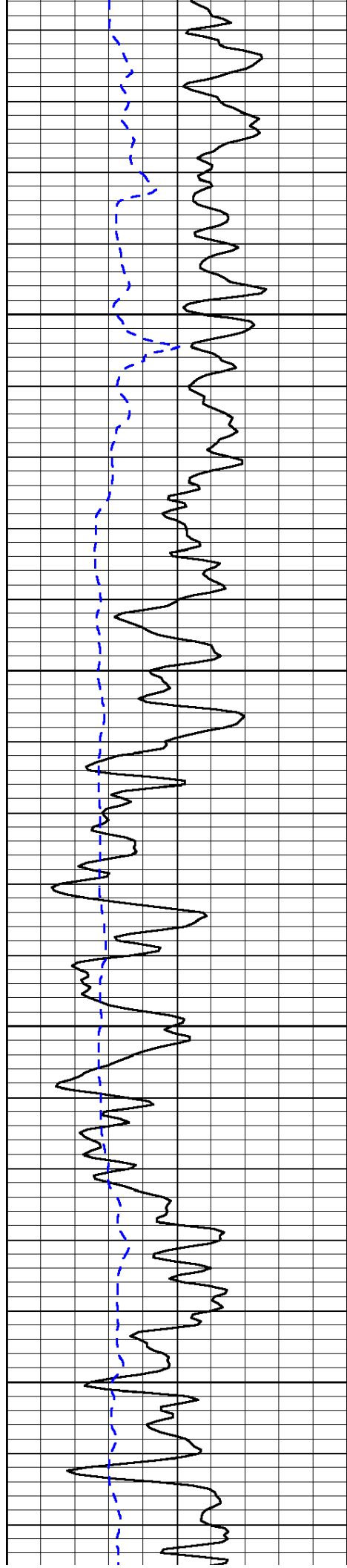


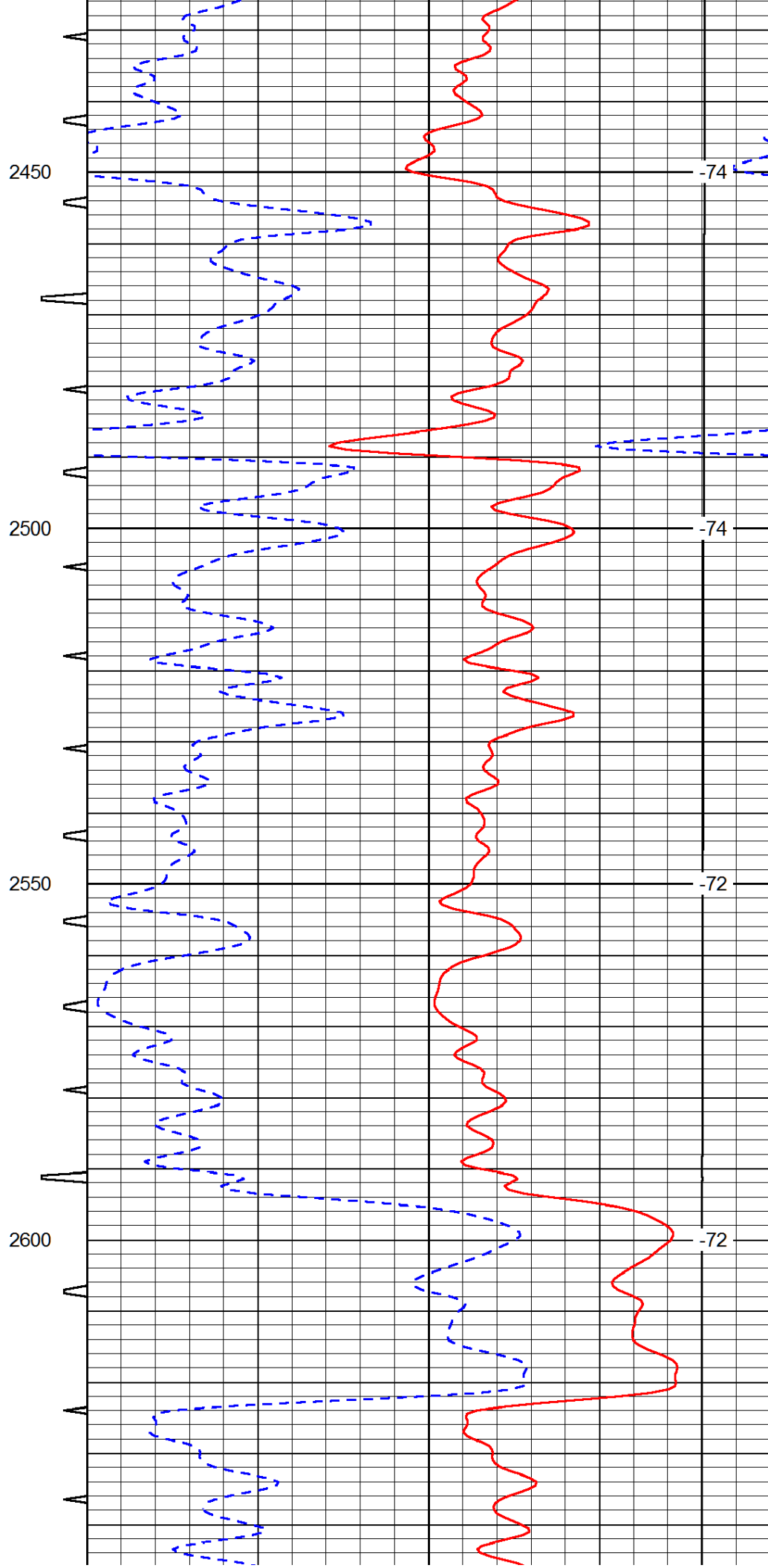
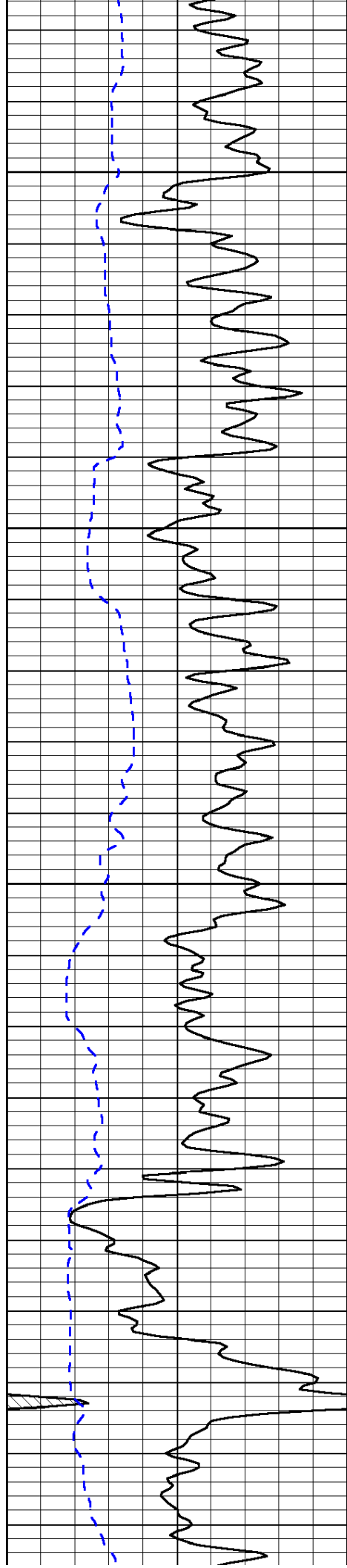


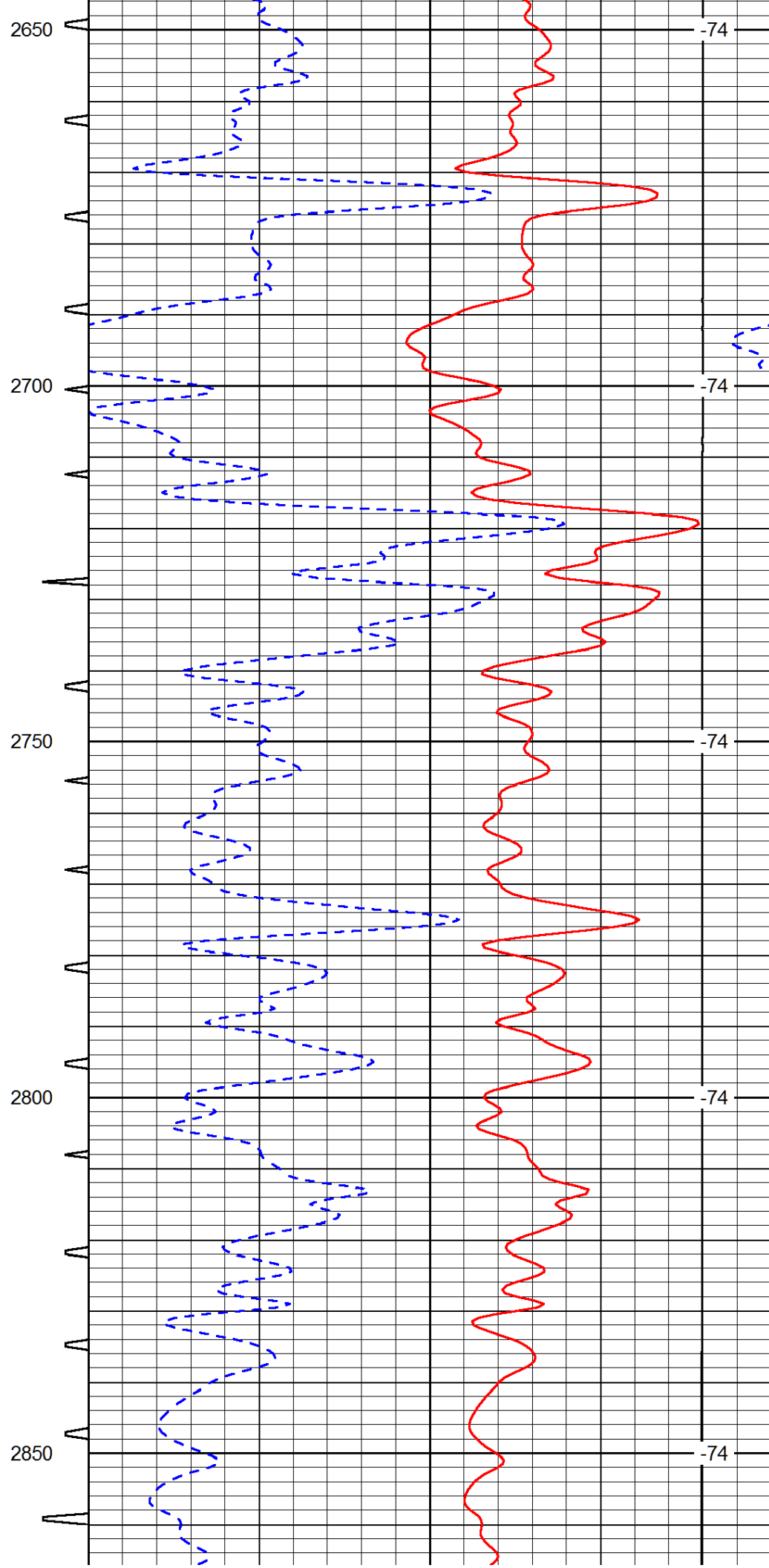
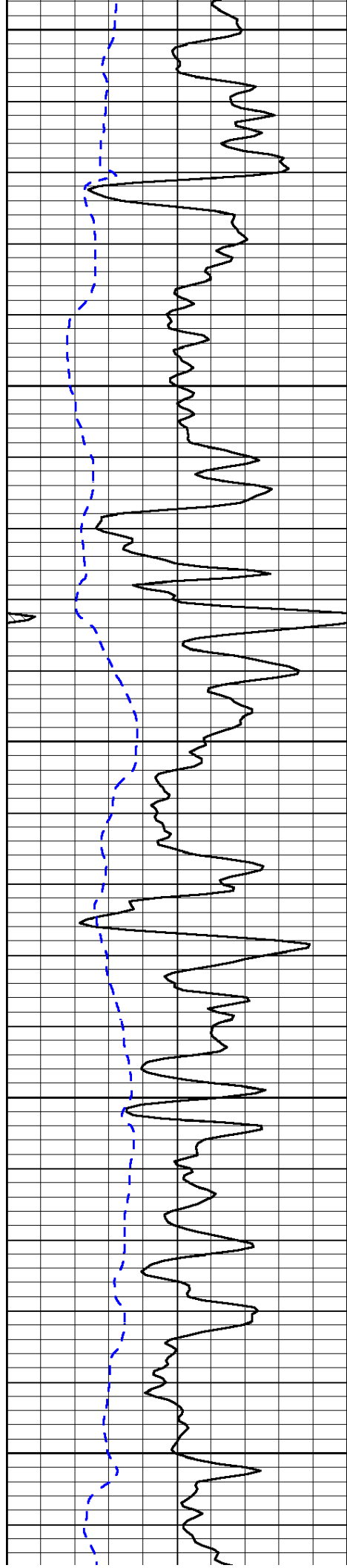


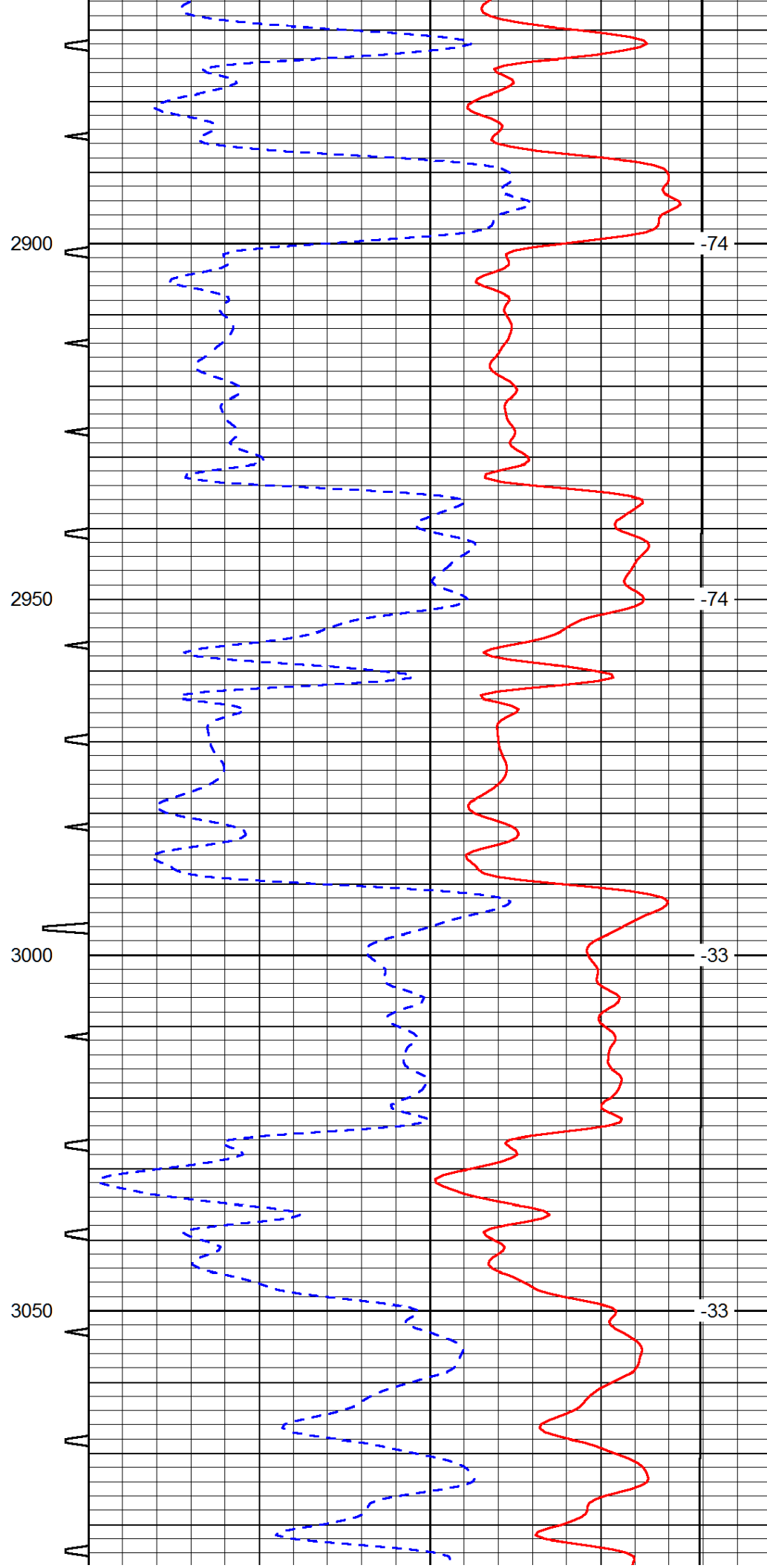
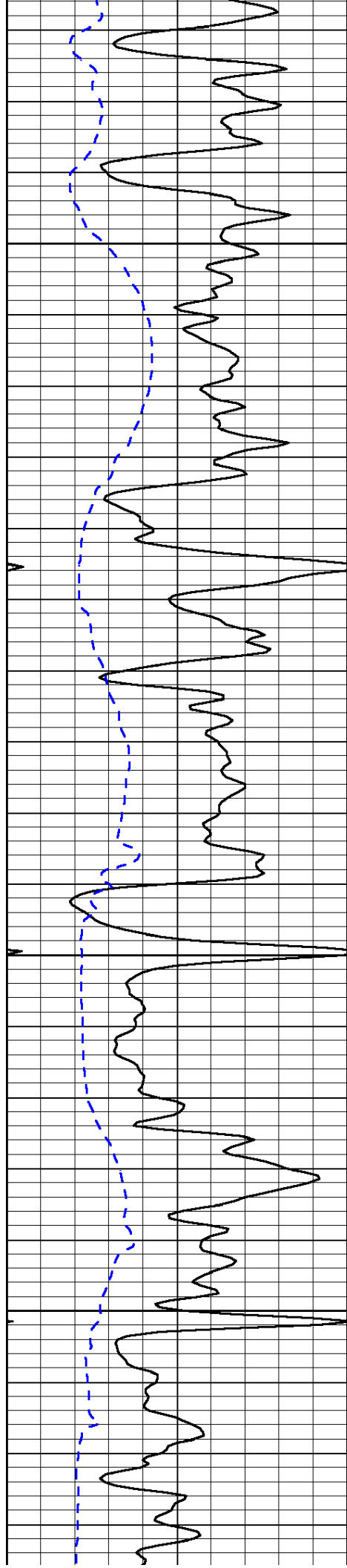


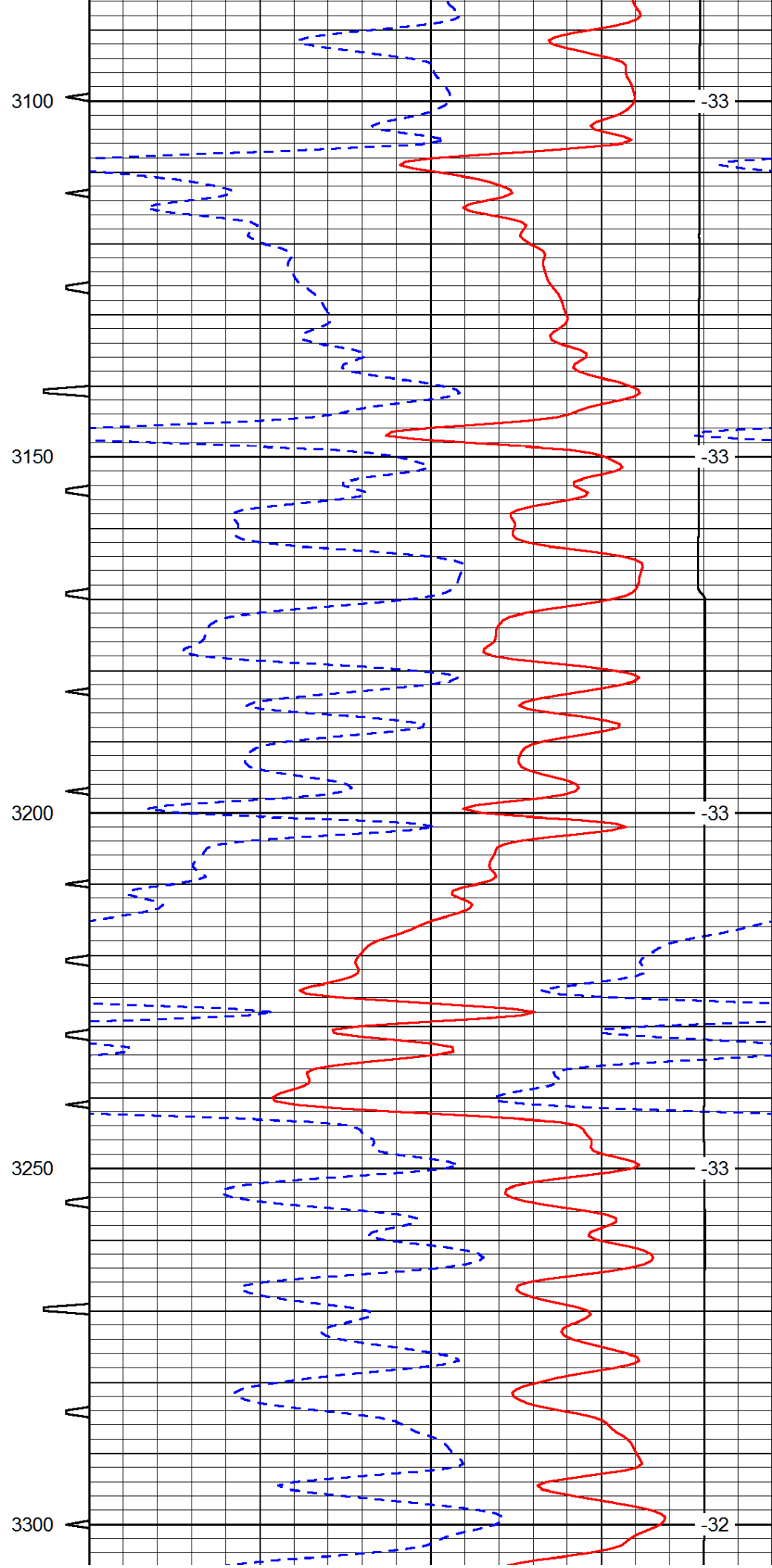
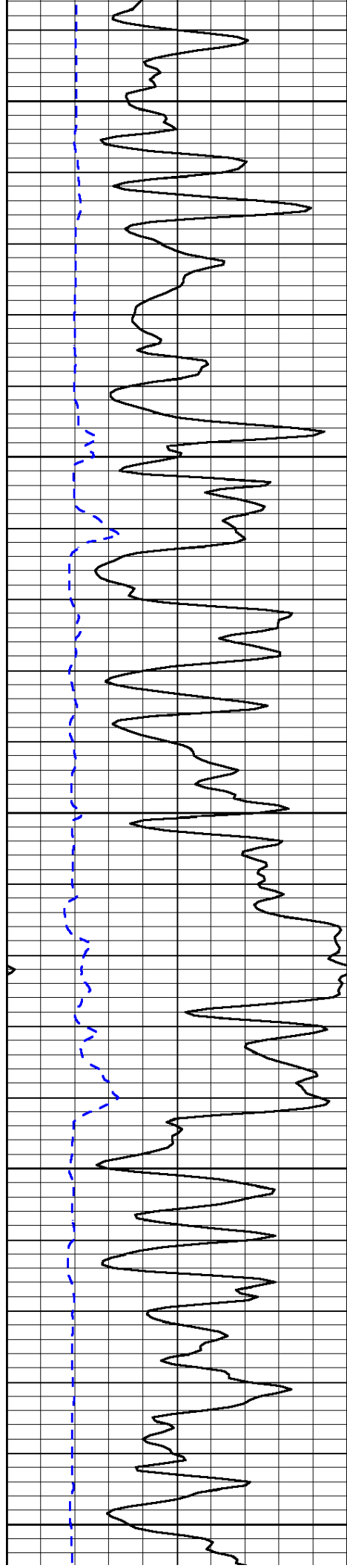


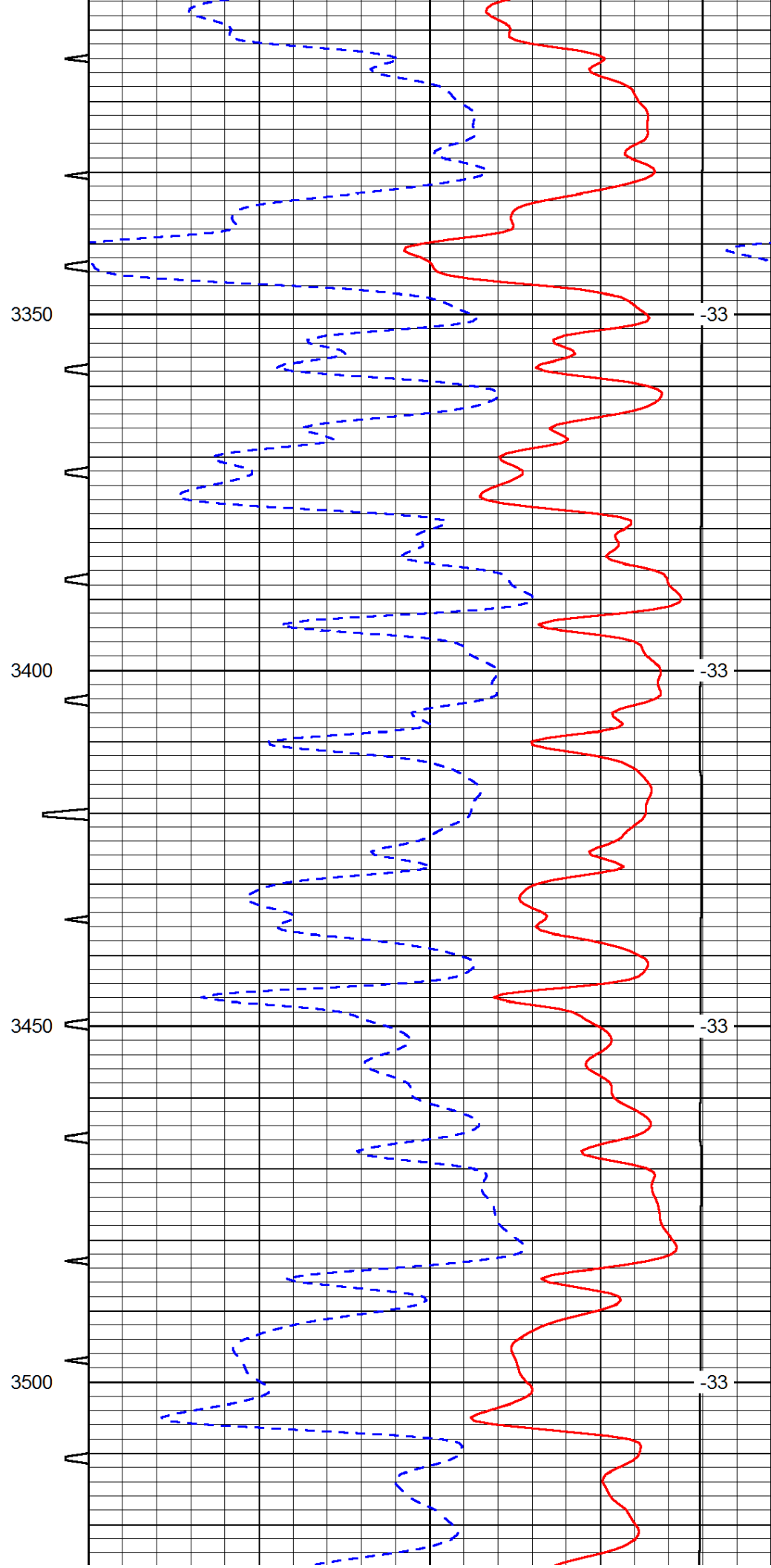
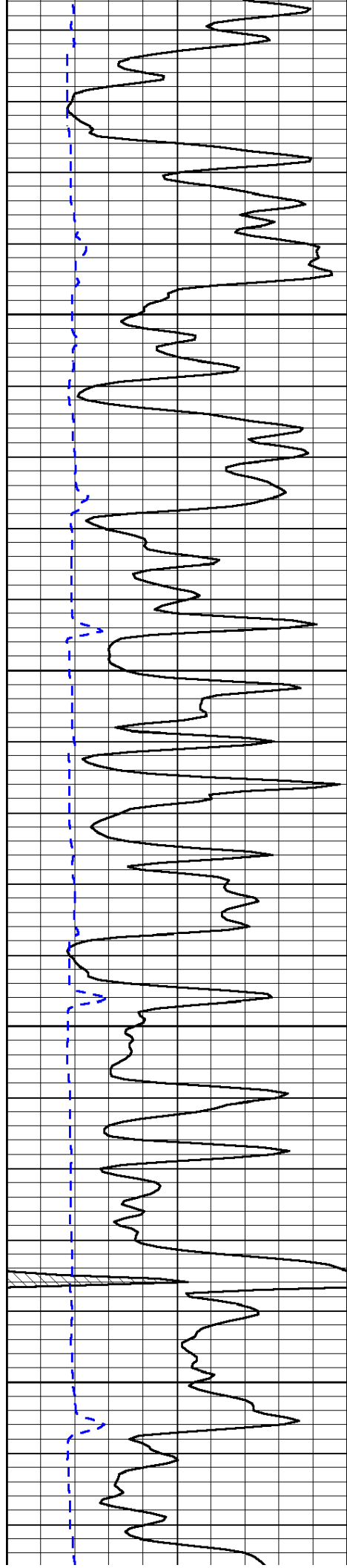


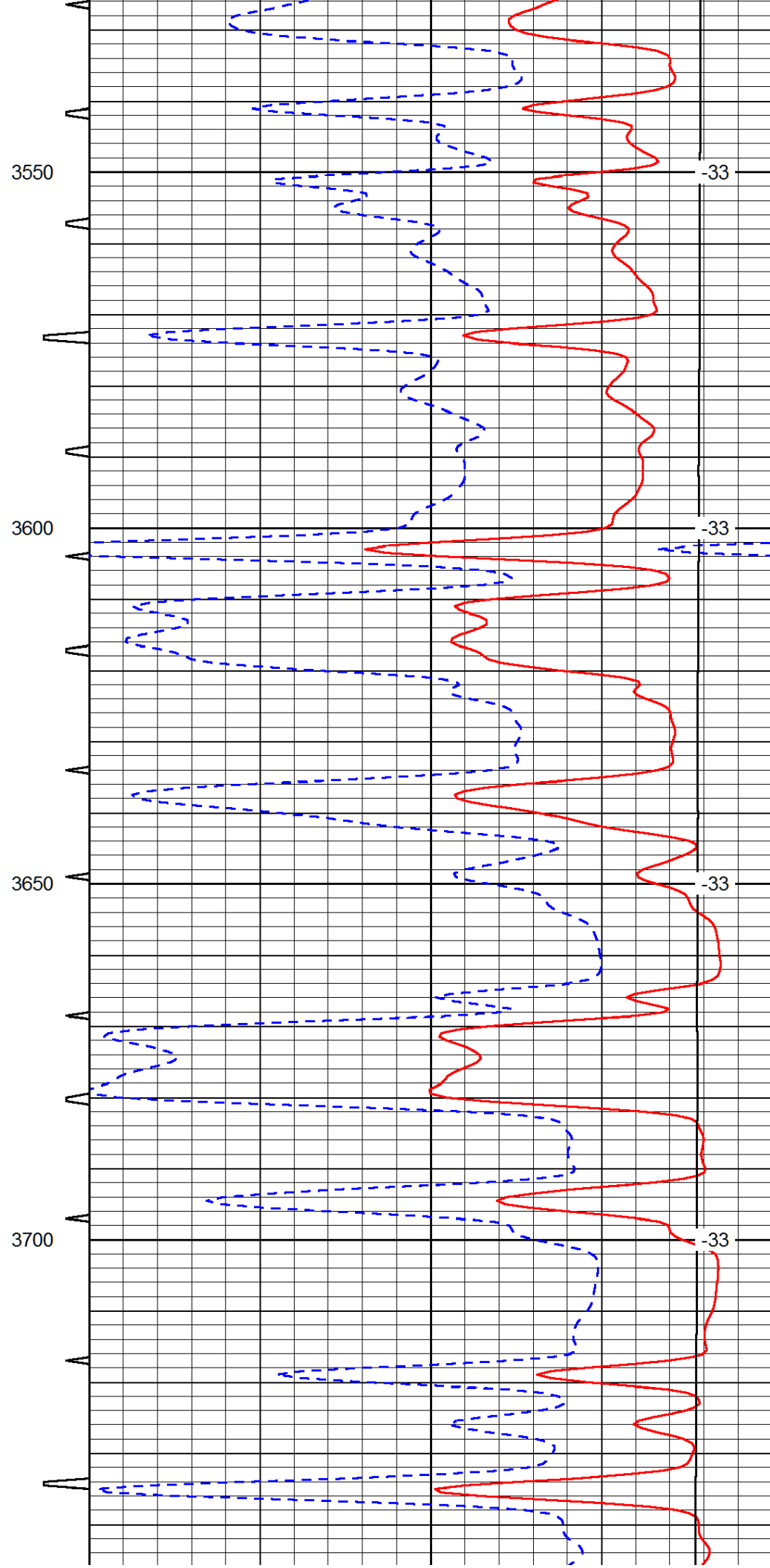
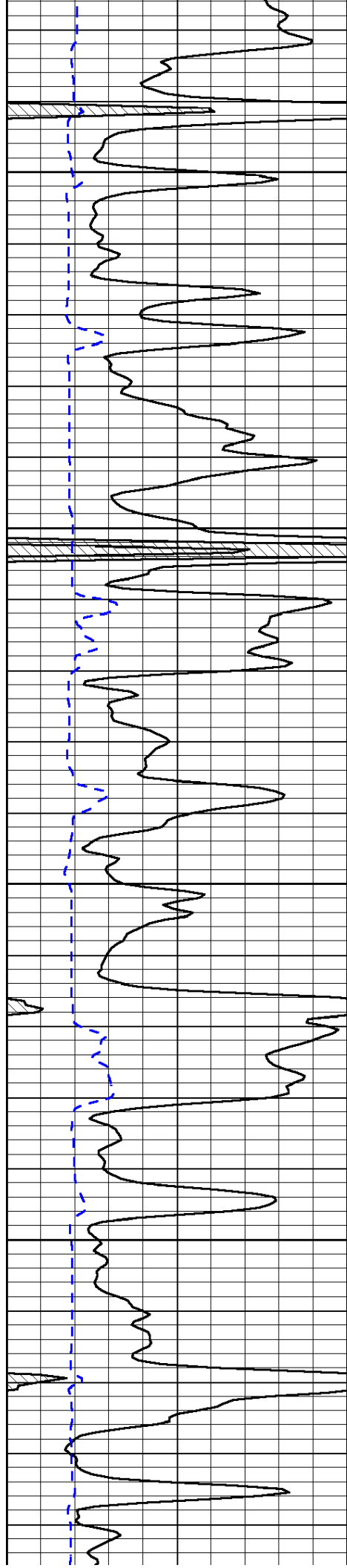


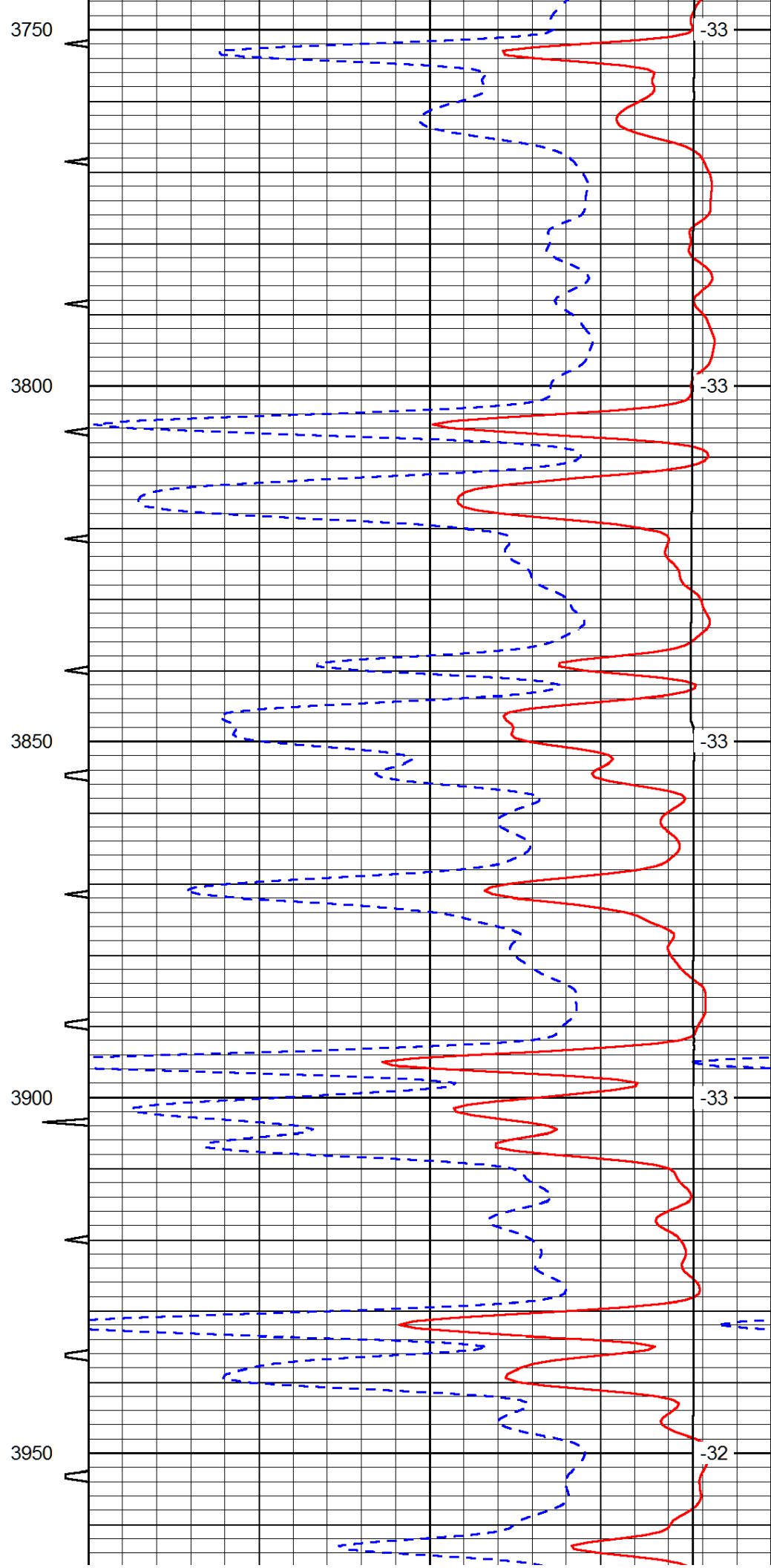
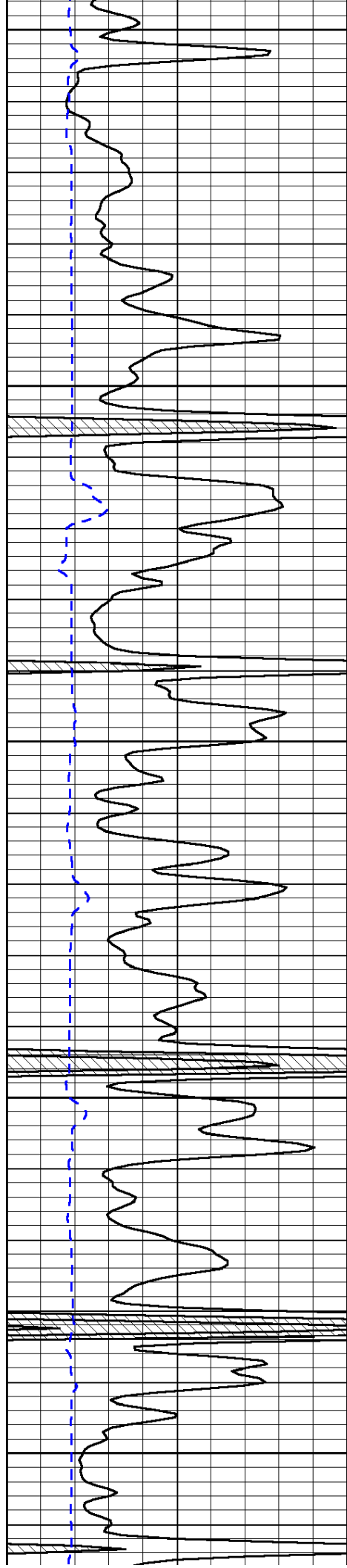


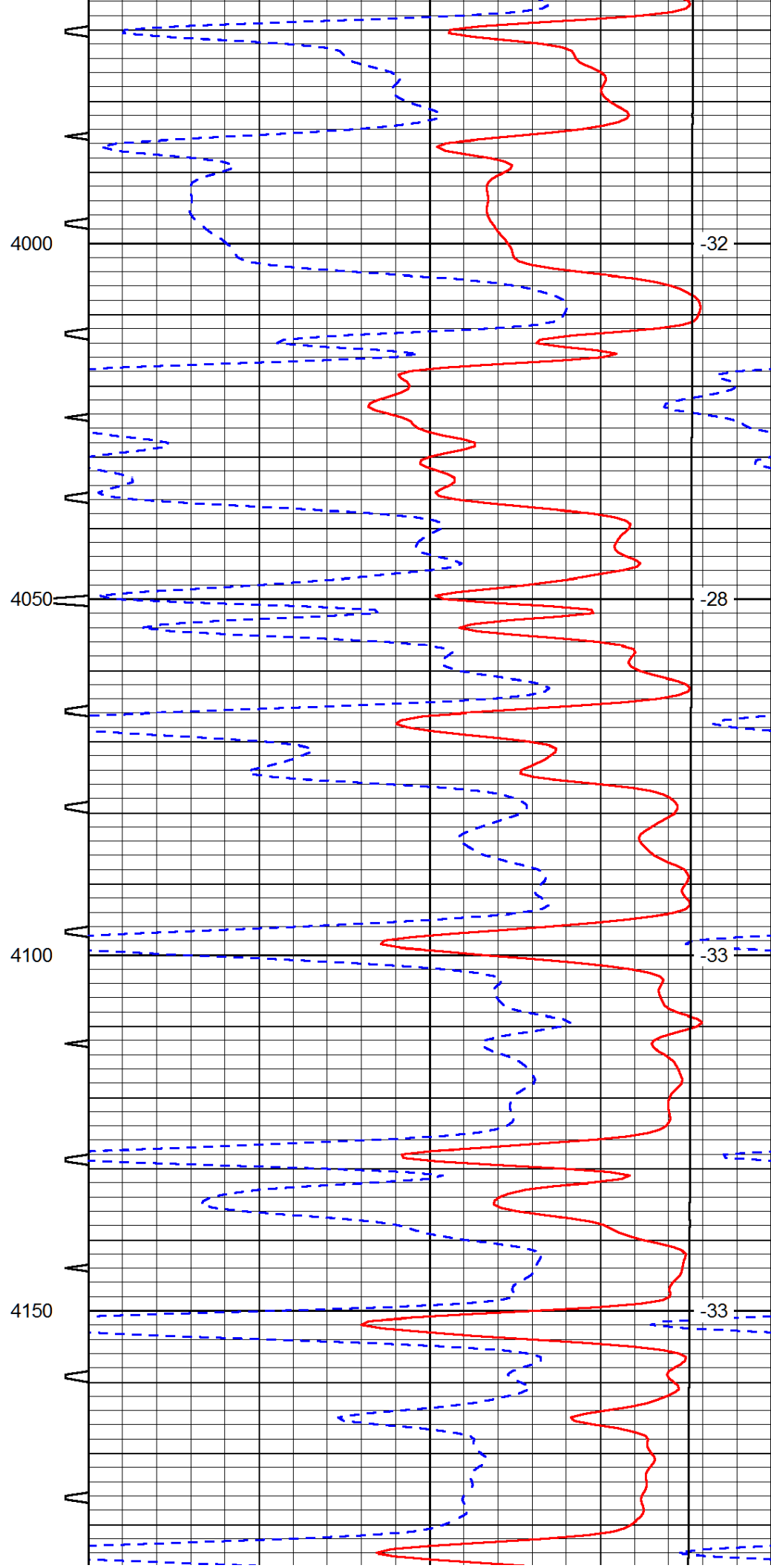
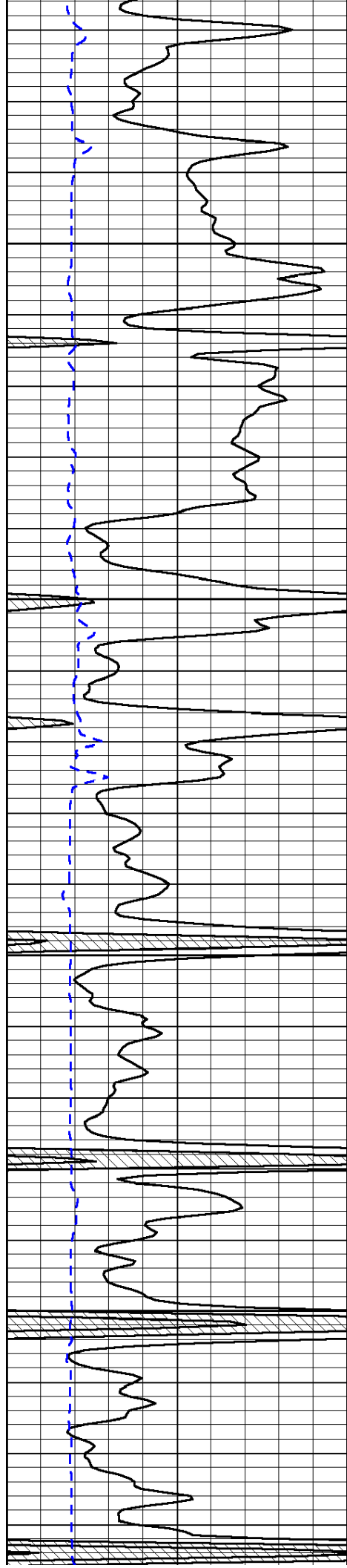


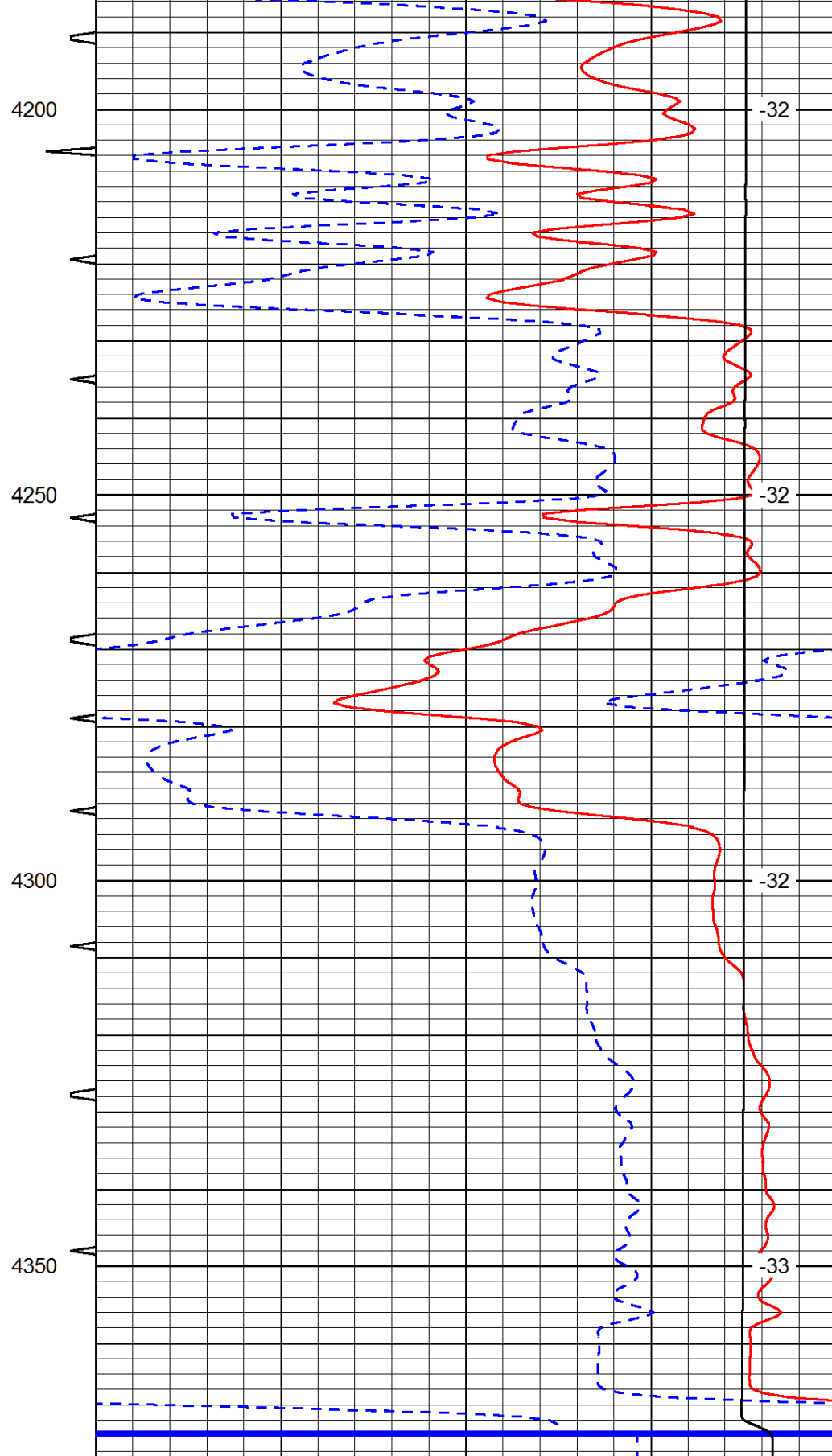
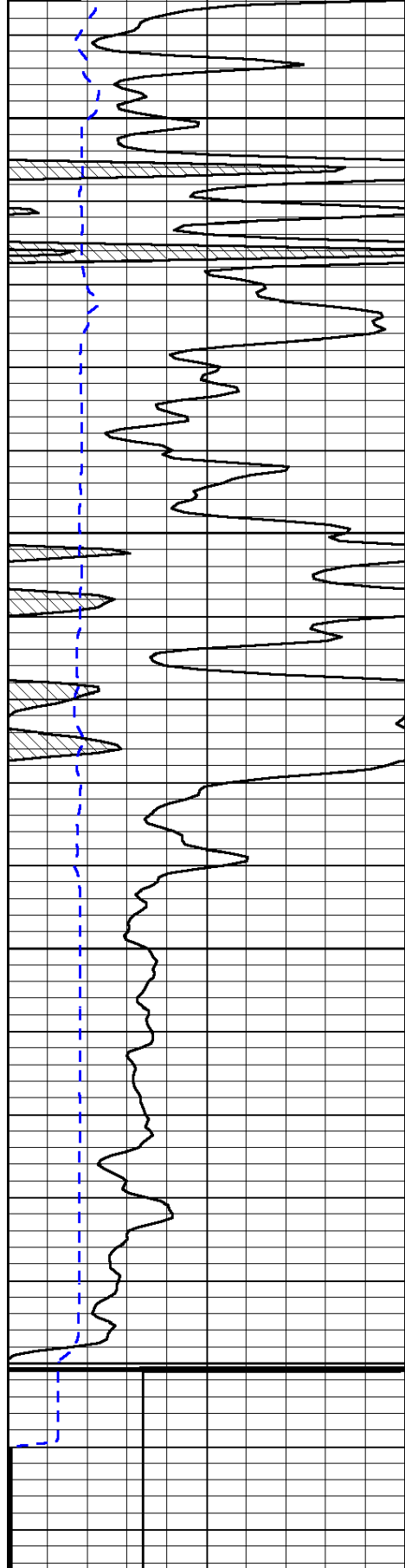












0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40
150	Gamma Ray	300	5	0	Sonic Porosity	-10
6	dCAL (GAPI)	16		15000	LTEN (lb)	0
						LSPD