



Pioneer Energy Services

Borehole Compensated Sonic Log

15-079-20707-00-00

API No.

Company W.D. Short Oil Company, LLC

Well Balzer # C 5

Field Annelly

County Harvey

State Kansas

Location 1650' FNL & 1750' FWL

Sec: 35

Twp: 23 S

Rge: 2 E

Elevation

Permanent Datum Ground Level Elevation 1397
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 9/18/2014

Run Number

Type Log

Depth Driller

Depth Logger

Bottom Logged Interval

Top Logged Interval

Type Fluid In Hole

Salinity, PPM CL

Density

Level

Max. Rec. Temp. F

Operating Rig Time

Equipment -- Location

Recorded By

Witnessed By

Run No.

Bit

From

To

Size

Wgt.

24#

From

To

203

<<< Fold Here >>>

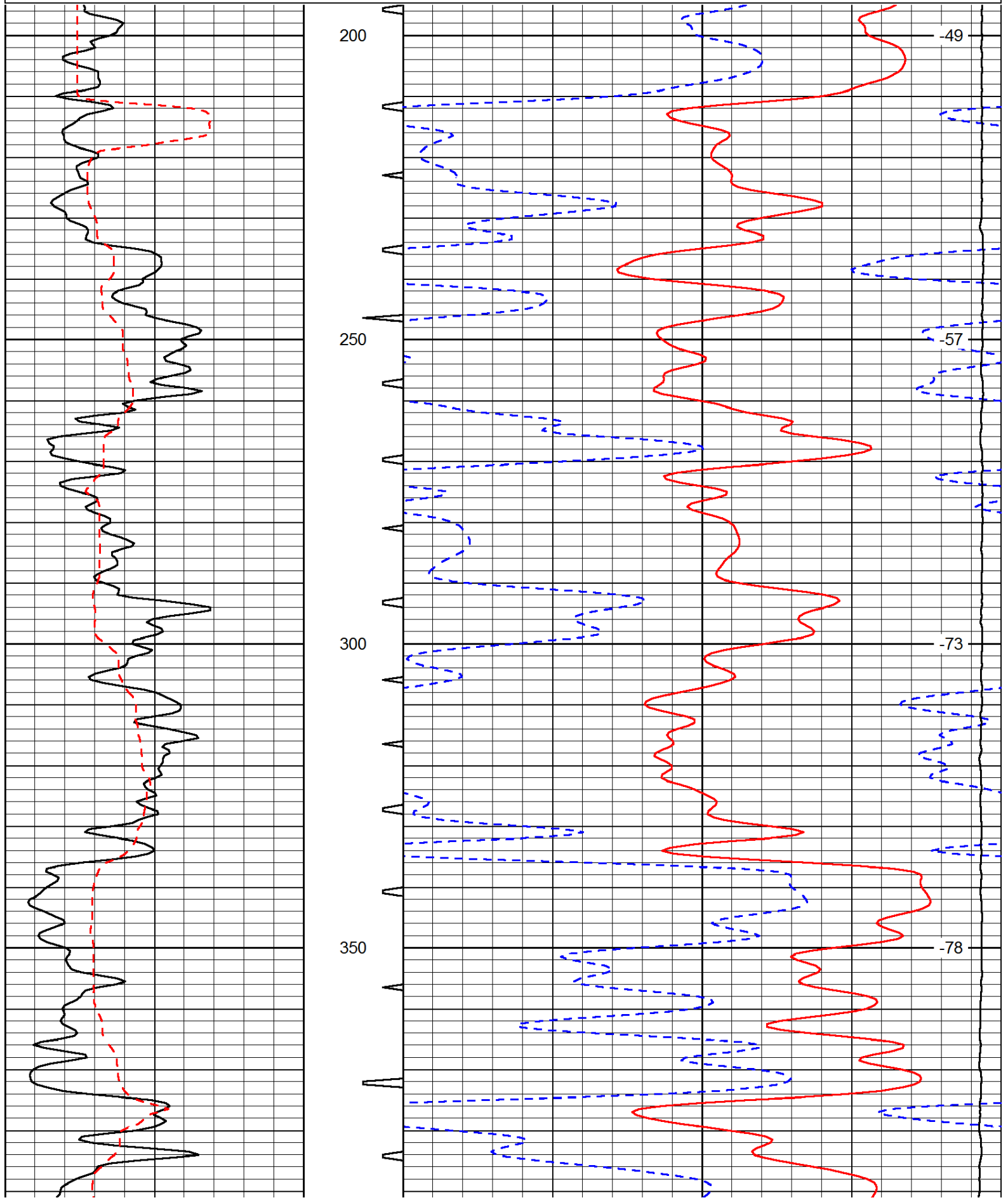
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

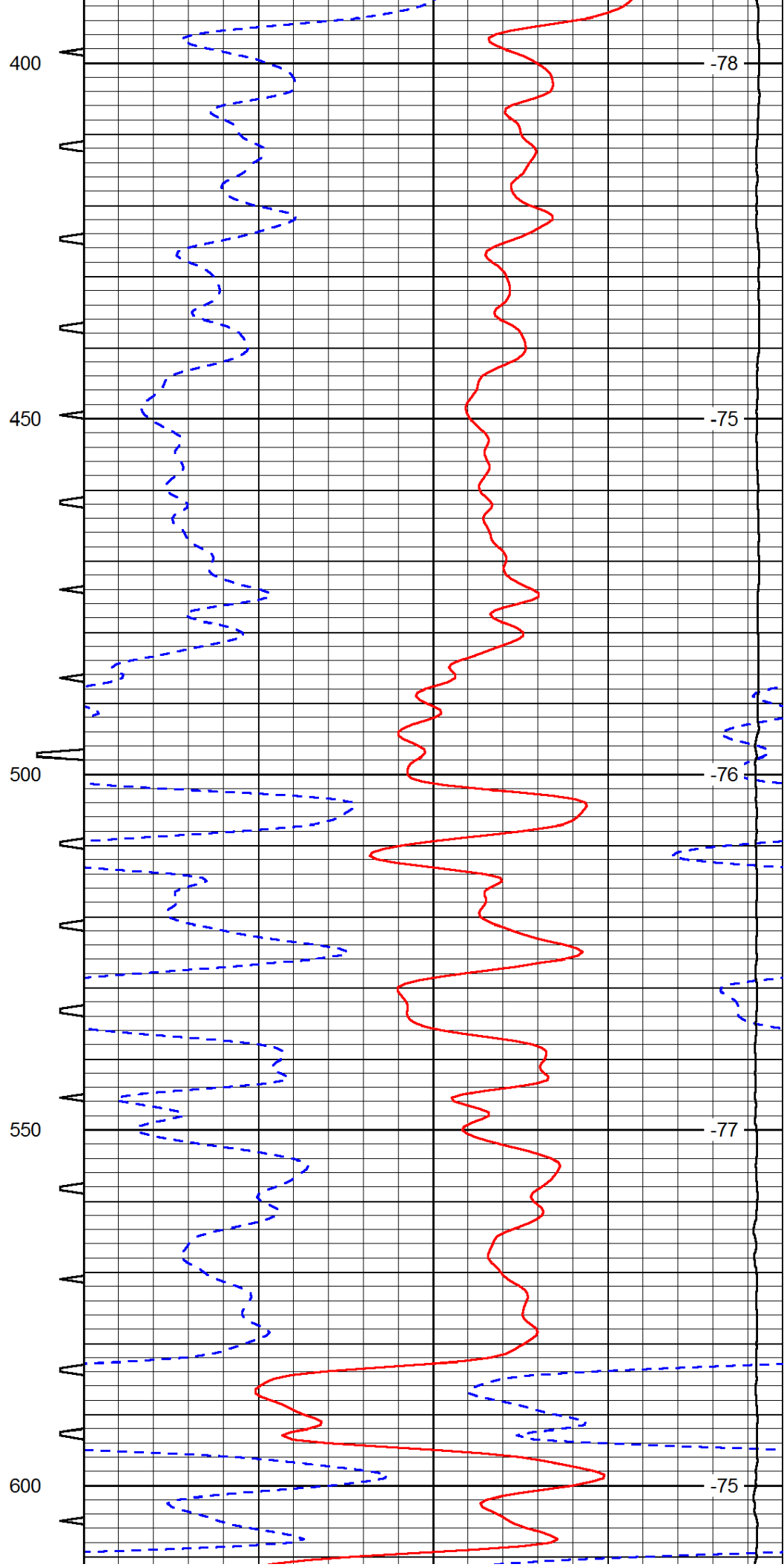
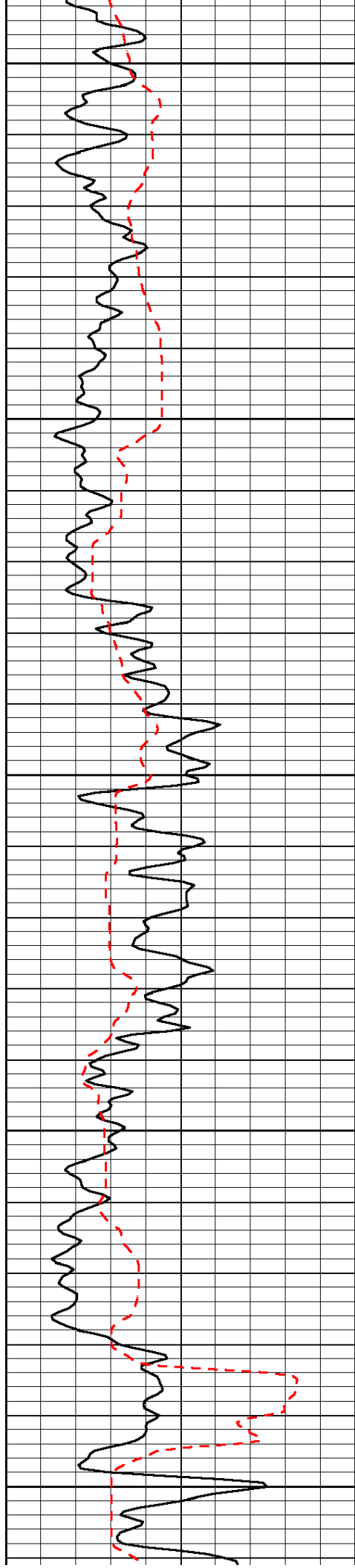
Comments

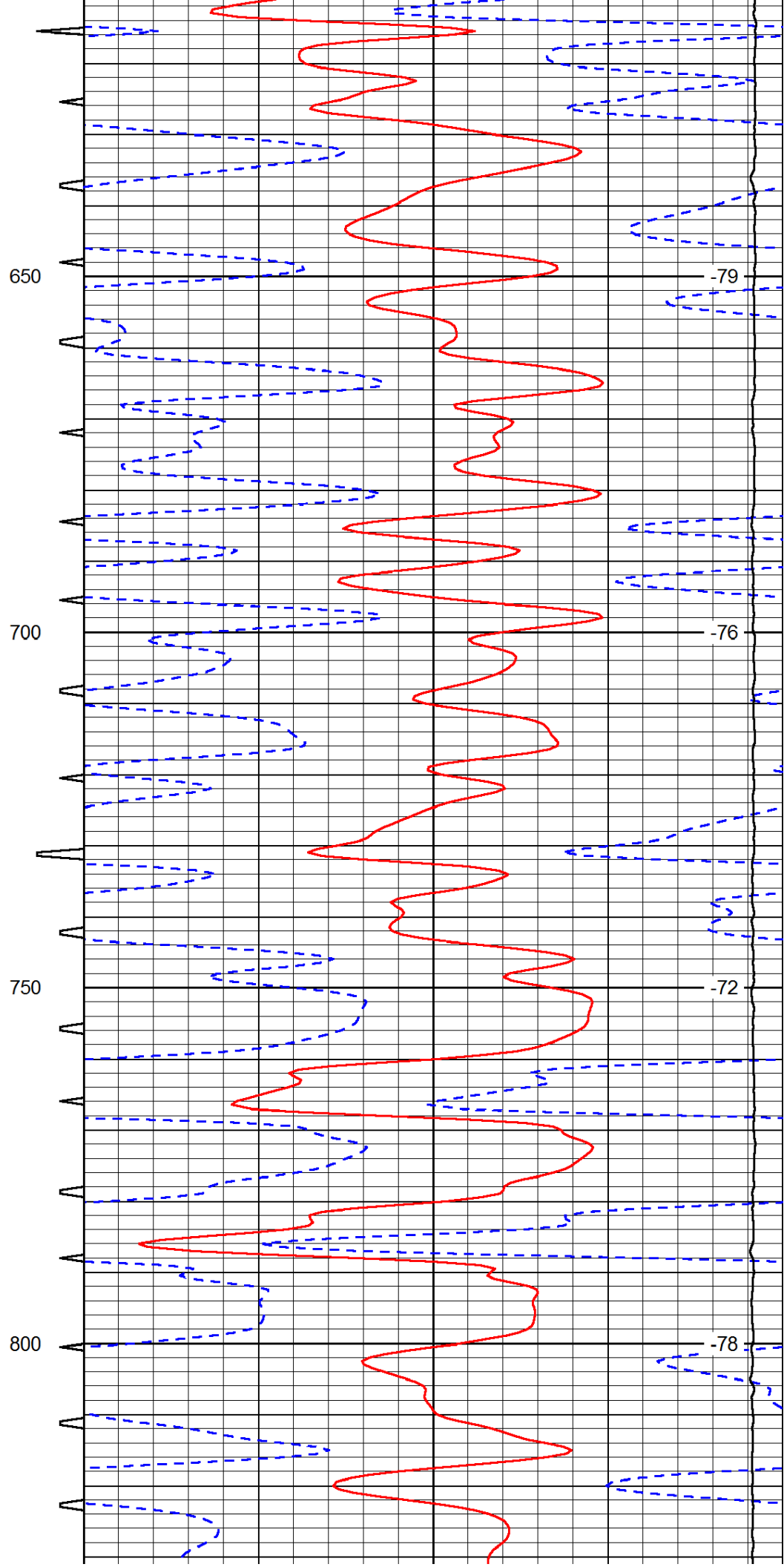
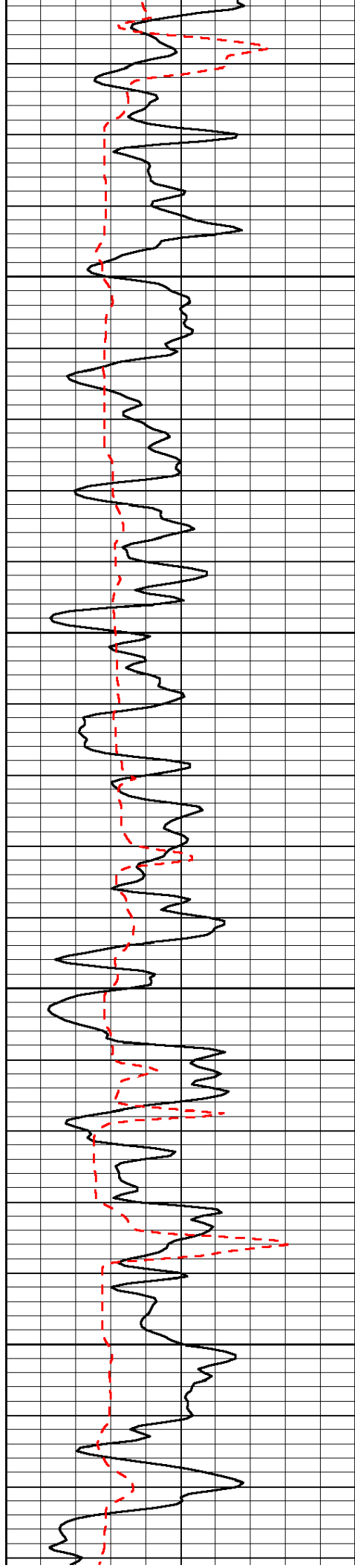
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Whitewater exit,
6 1/2 East to East Lake Rd, 3 North to 36 Rd,
3/4 East to Grace Hill Rd, 1/2 North,
(Just past the Bridge) East into

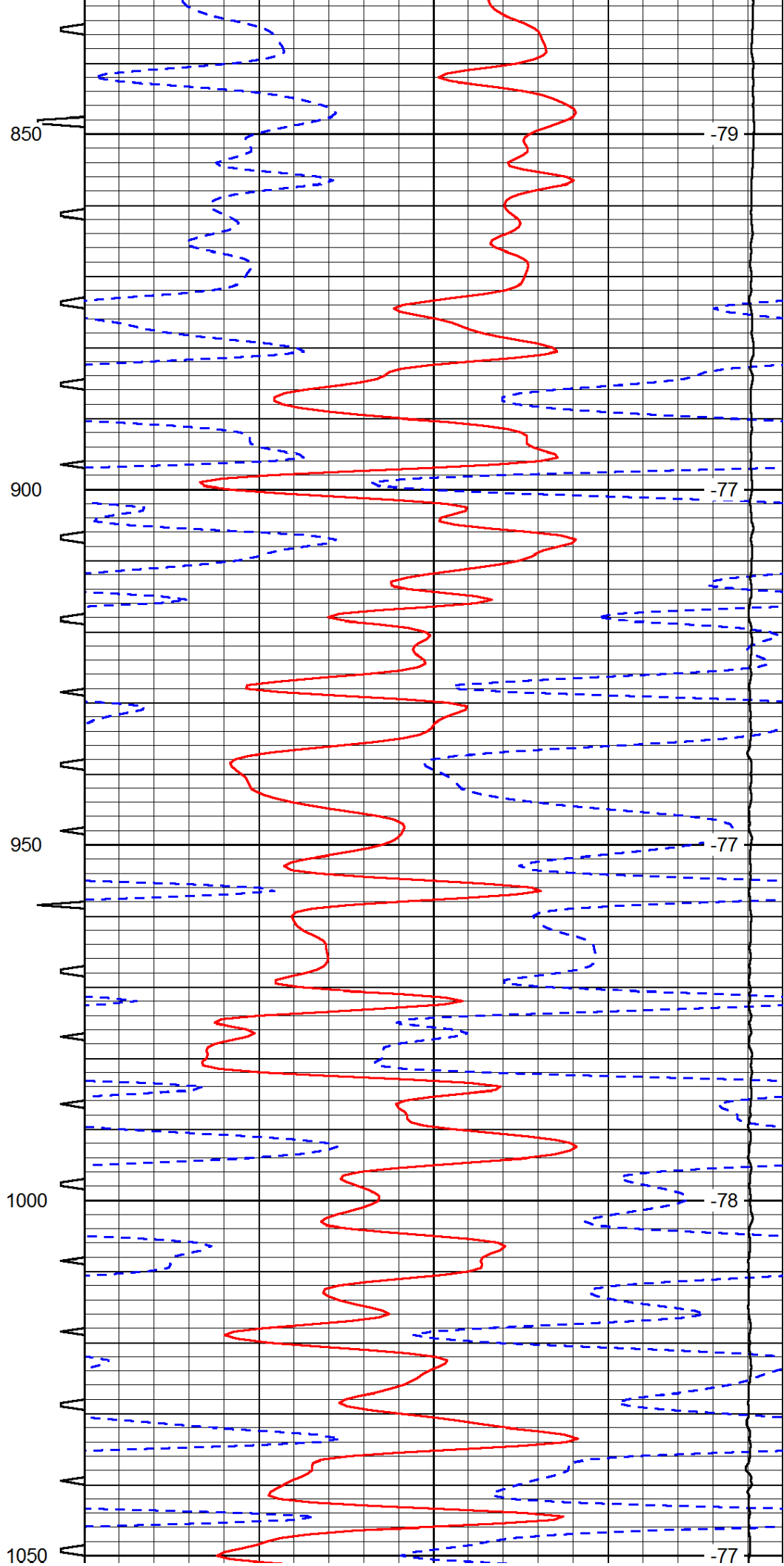
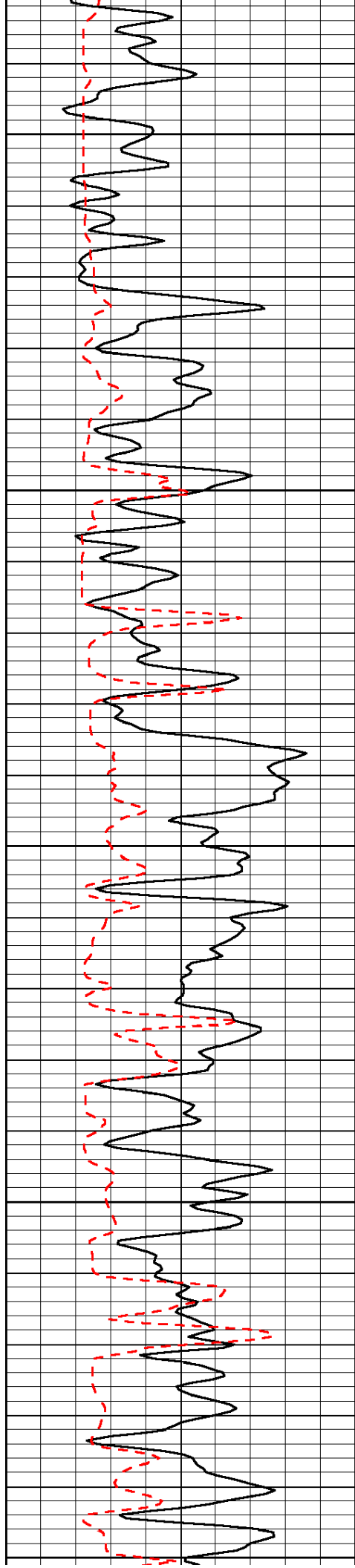
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Dataset Pathname: DIL\wdstk
Presentation Format: sonic
Dataset Creation: Fri Sep 19 03:11:42 2014
Charted by: Depth in Feet scaled 1:240

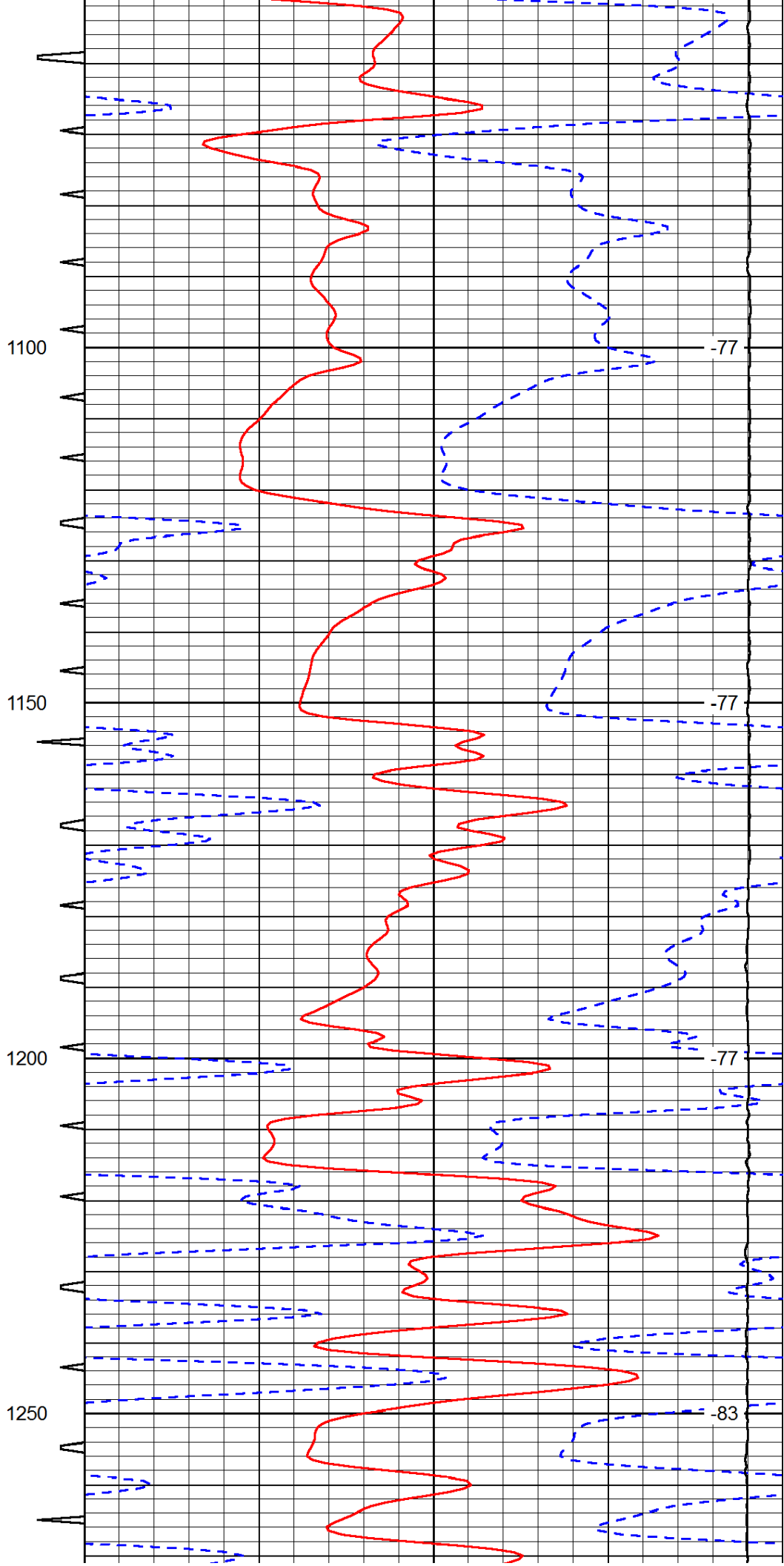
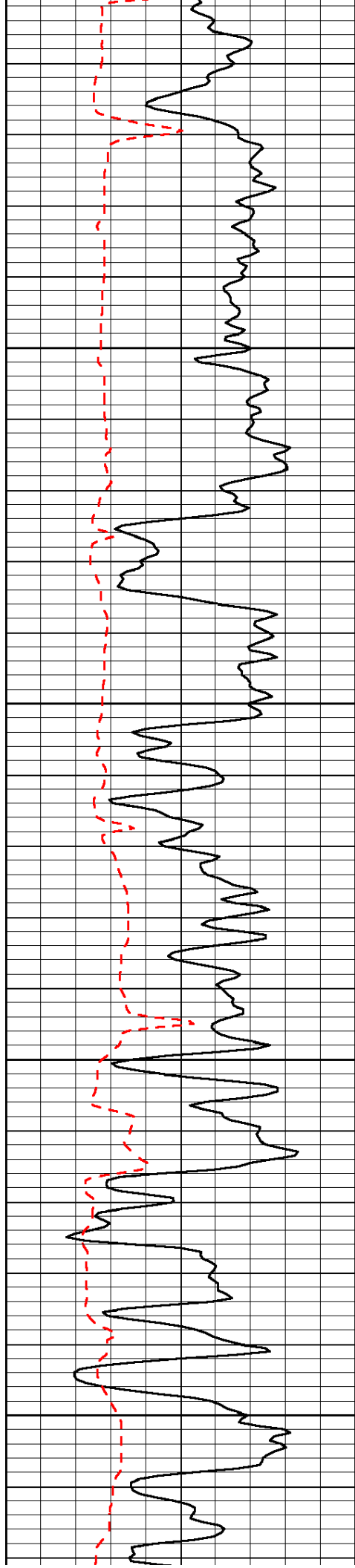
Charted by:			Depth in Feet scaled 1:2.16			
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40
150	Gamma Ray	300		30	SPOR	-10
6	Caliper (GAPI)	16		15000	LTEN (lb)	0
					LSPD	

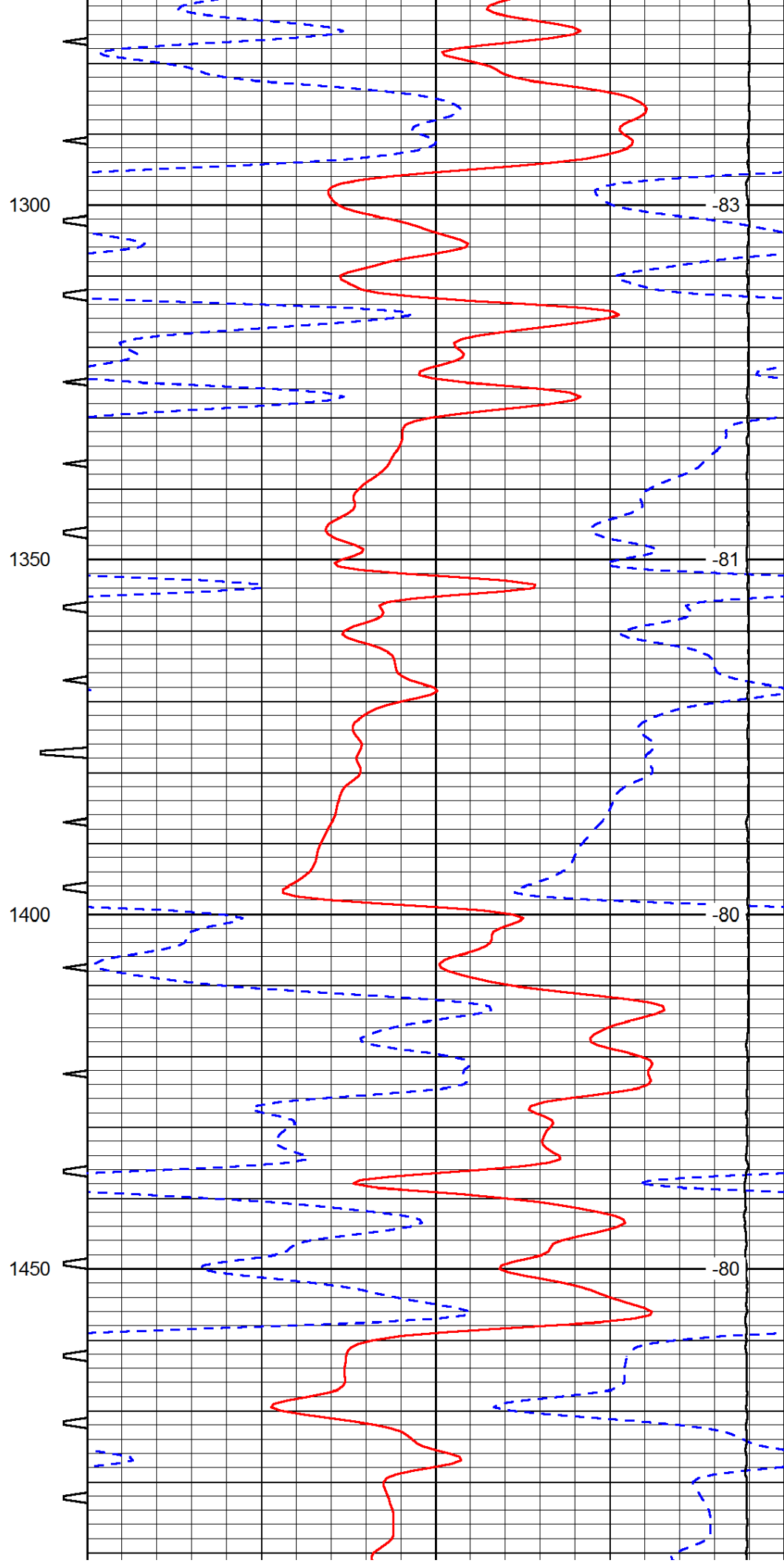
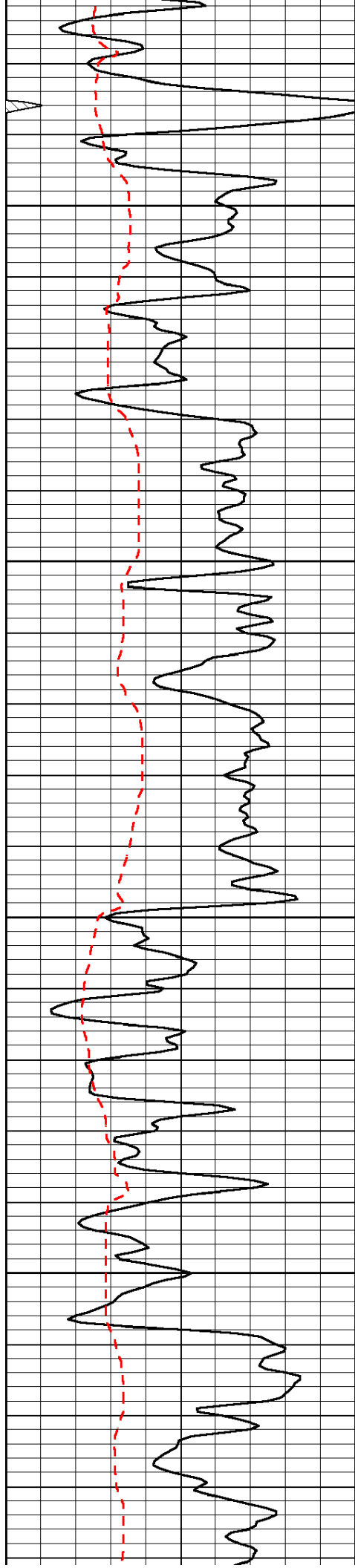


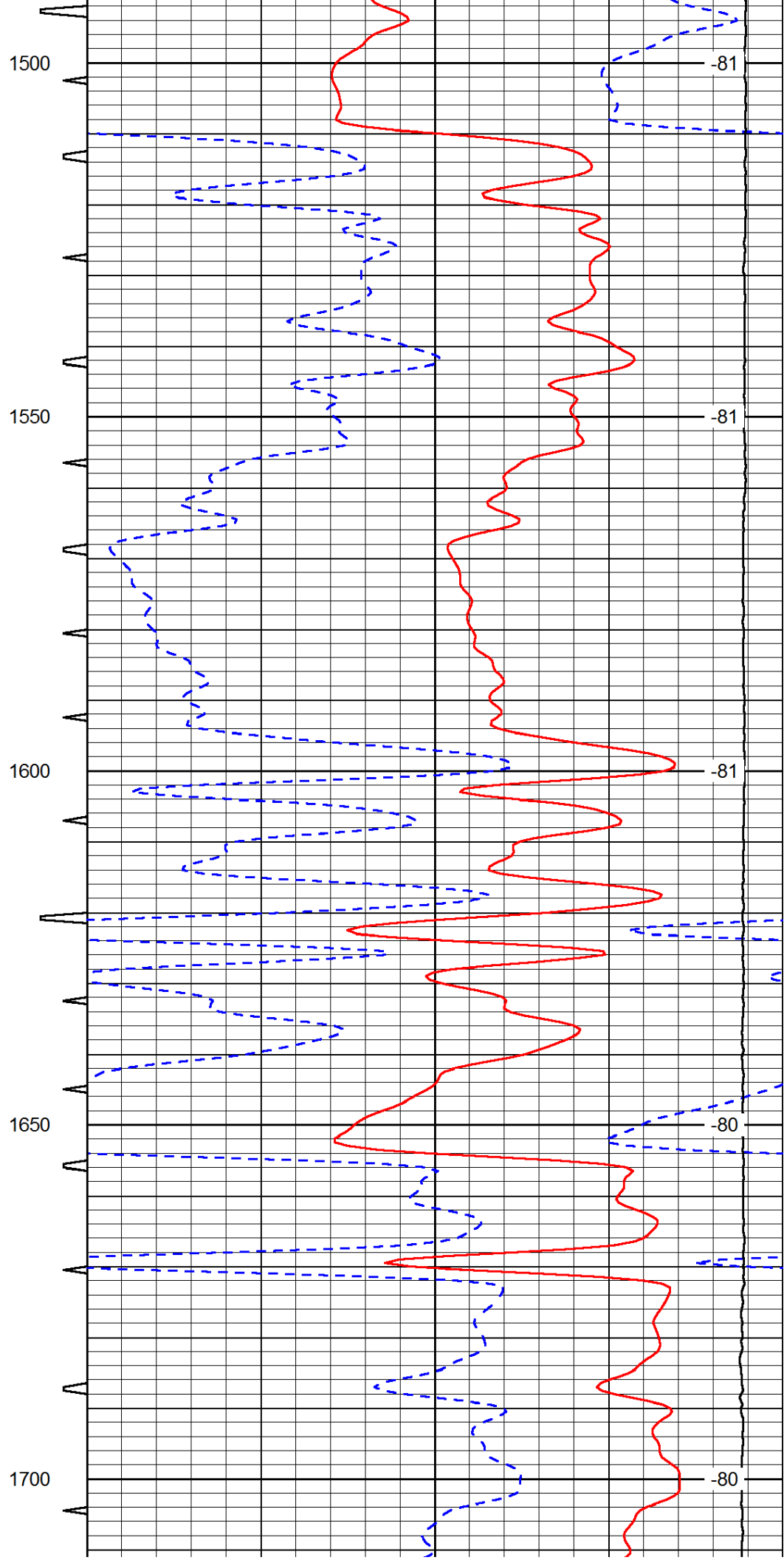
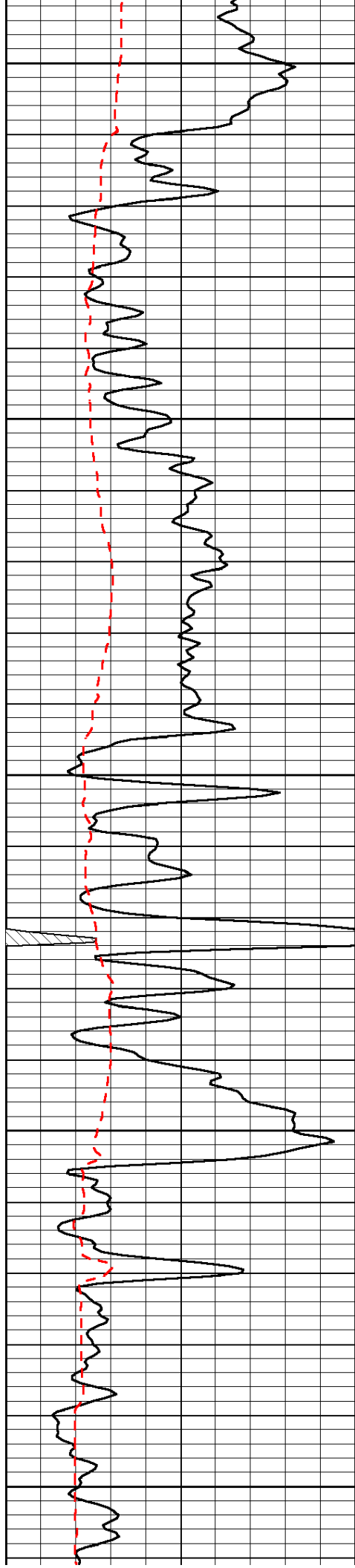


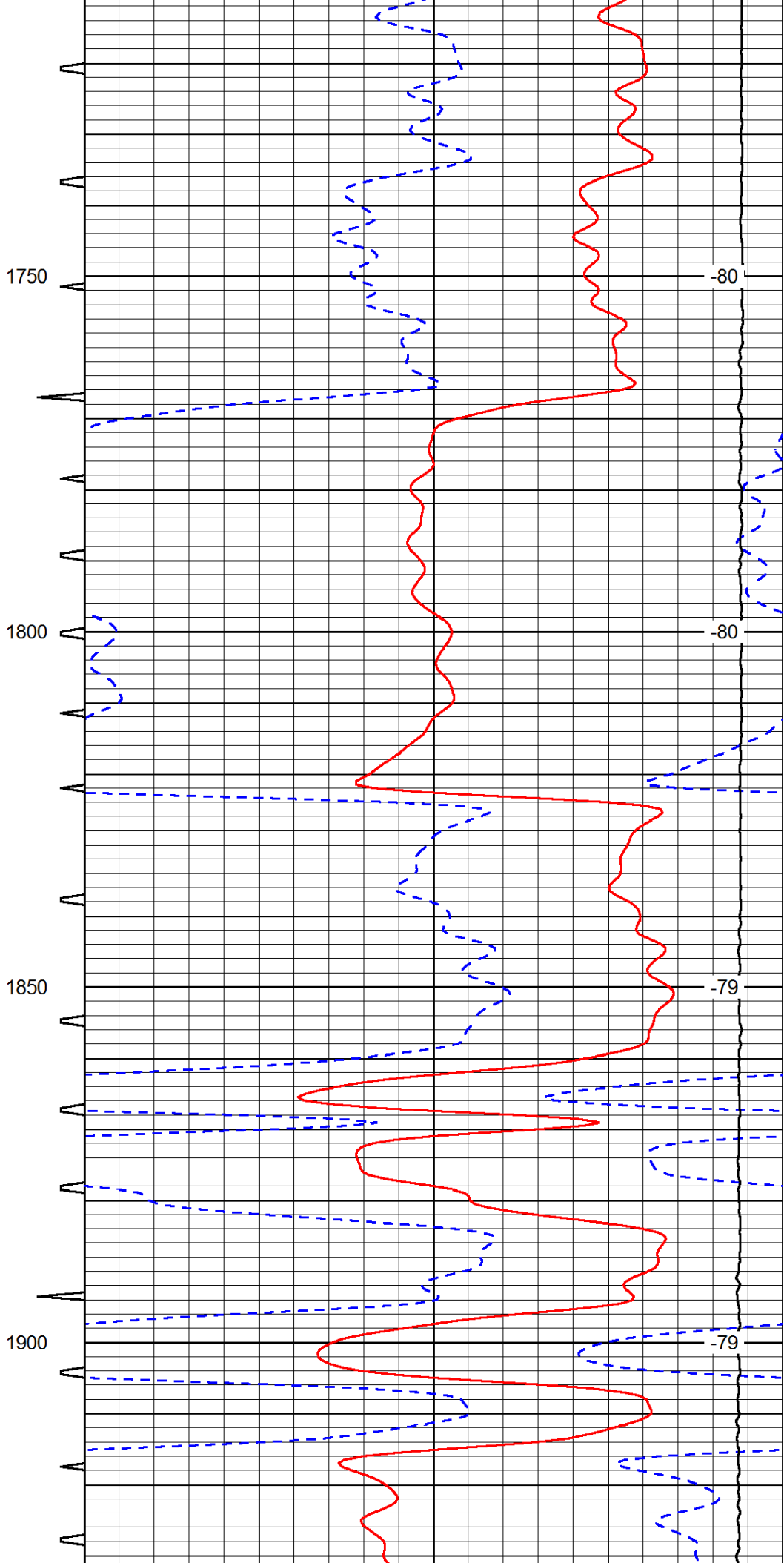
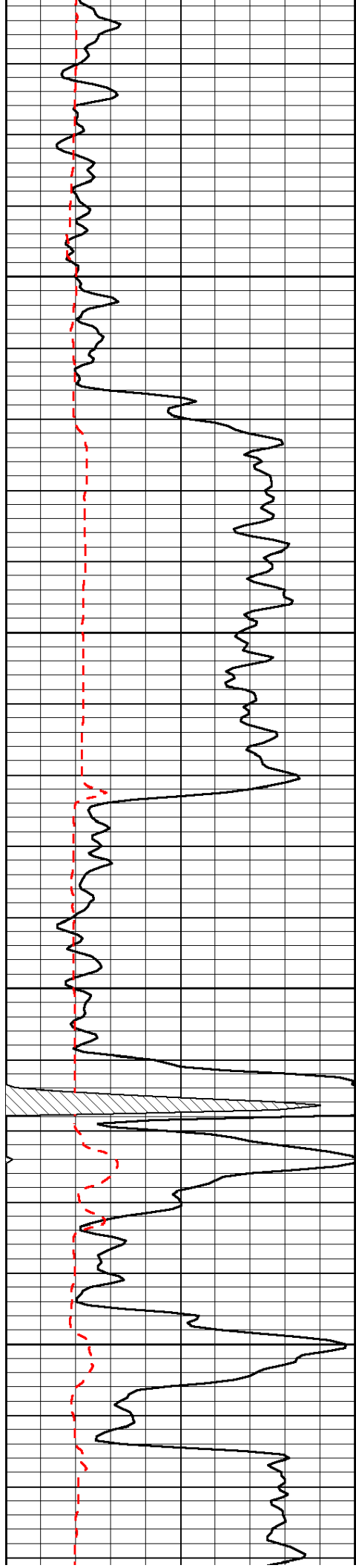


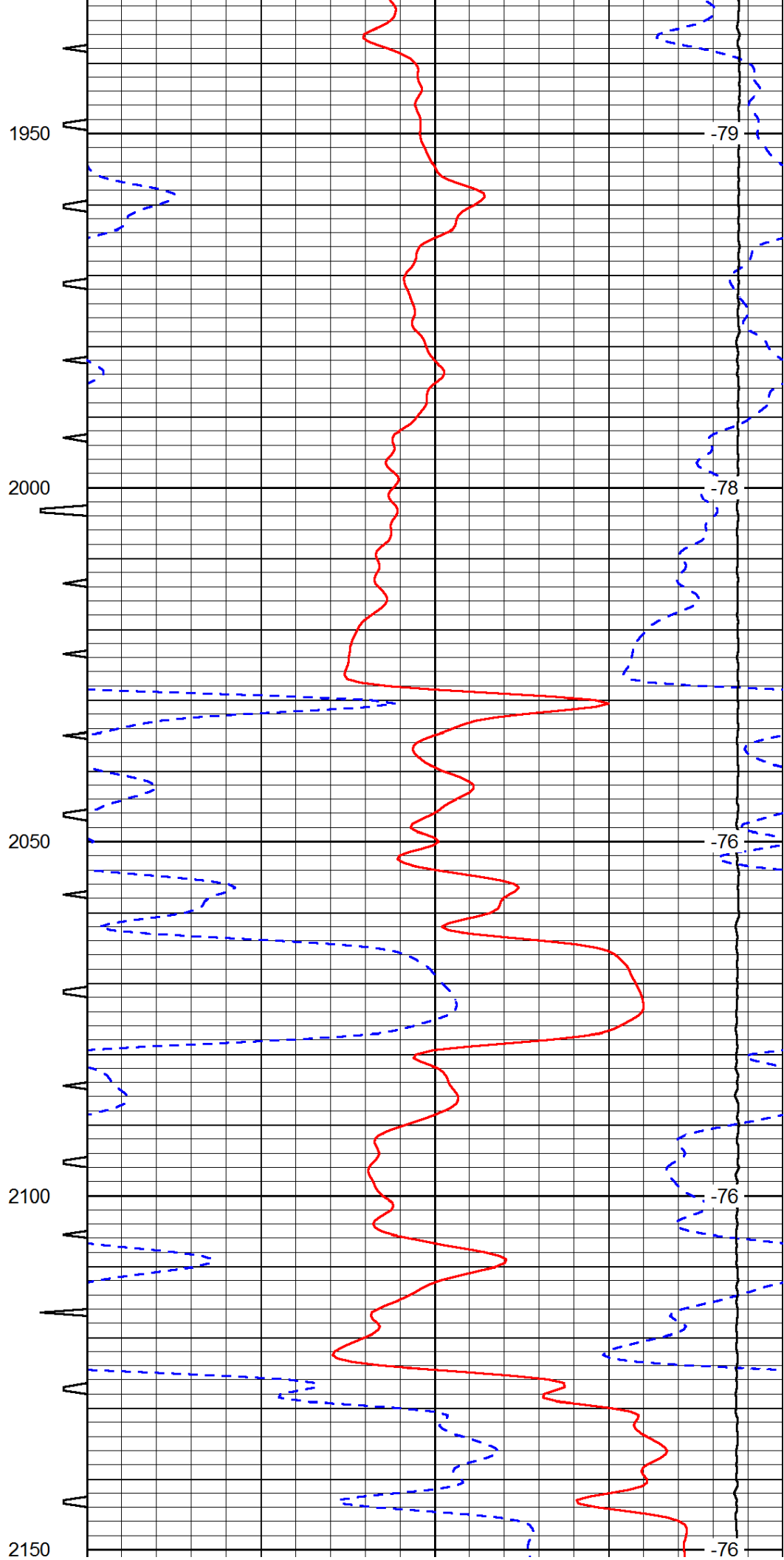
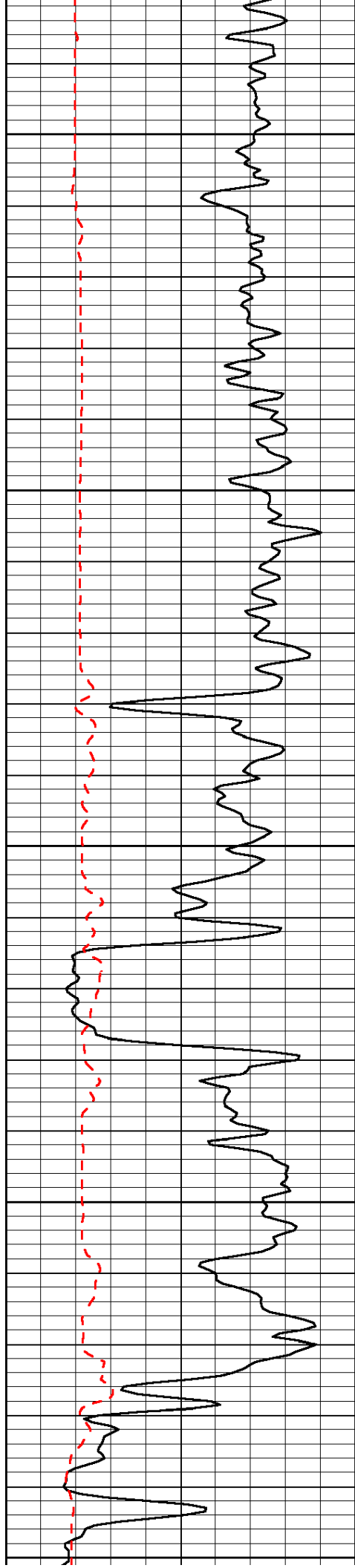


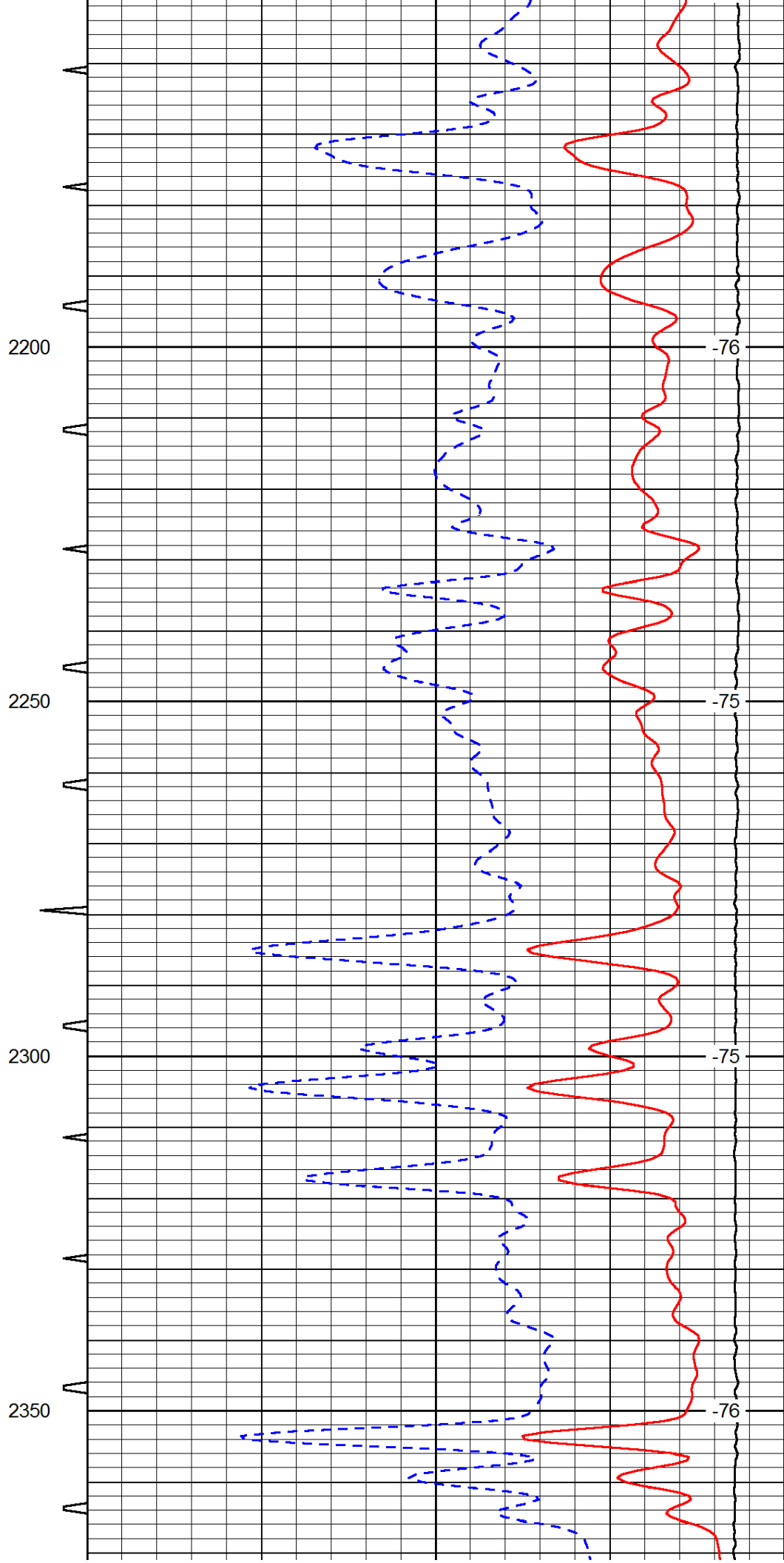
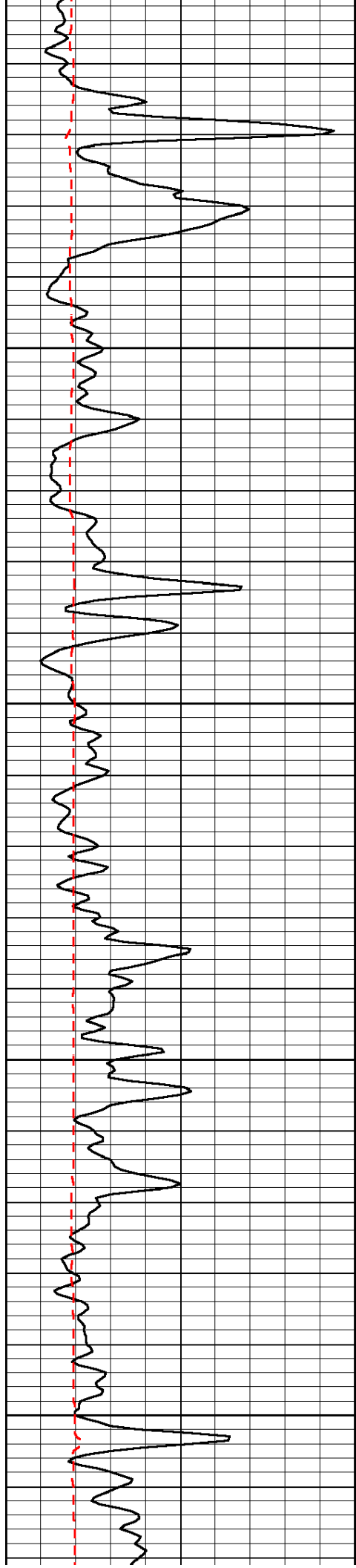


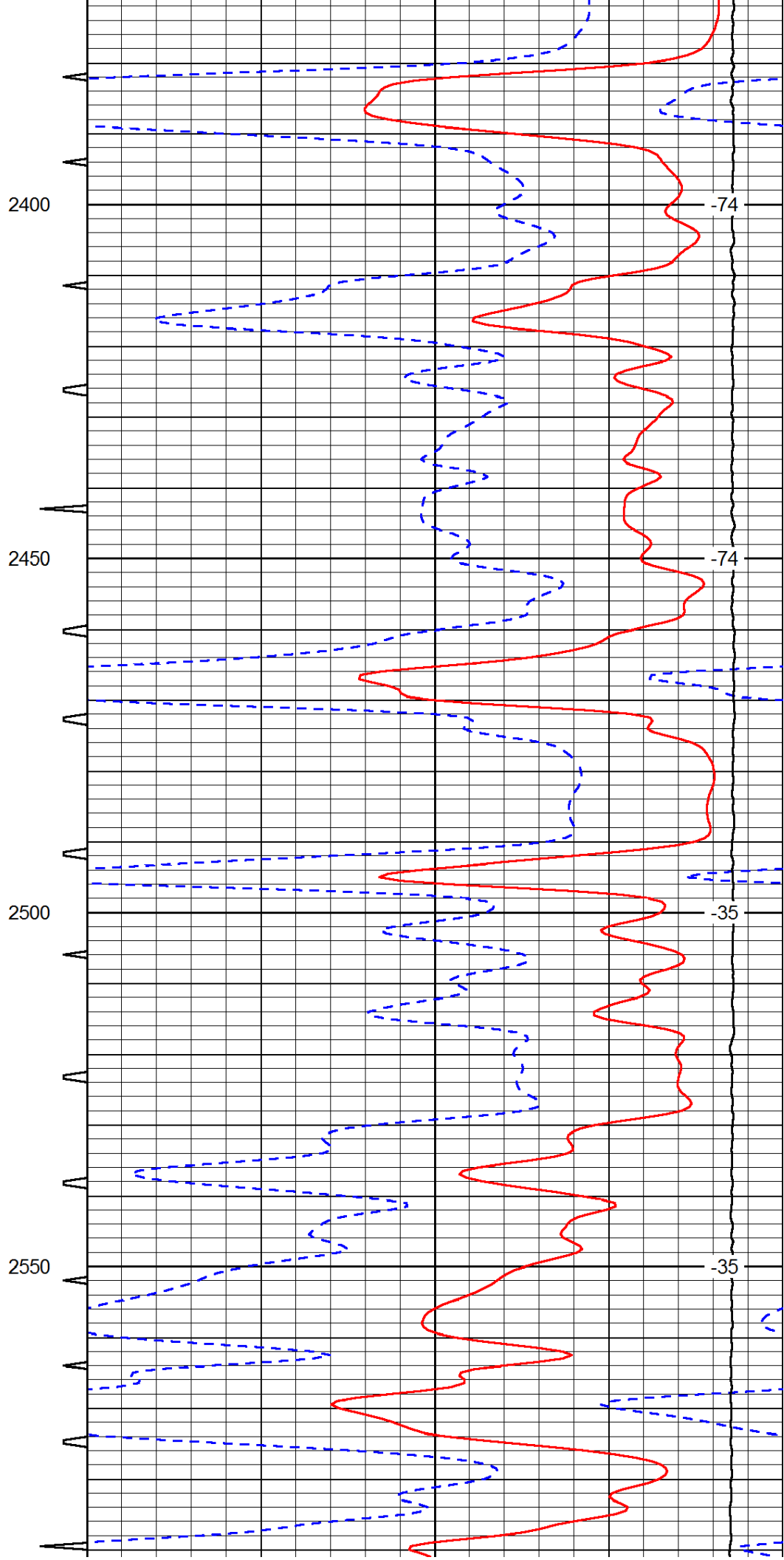
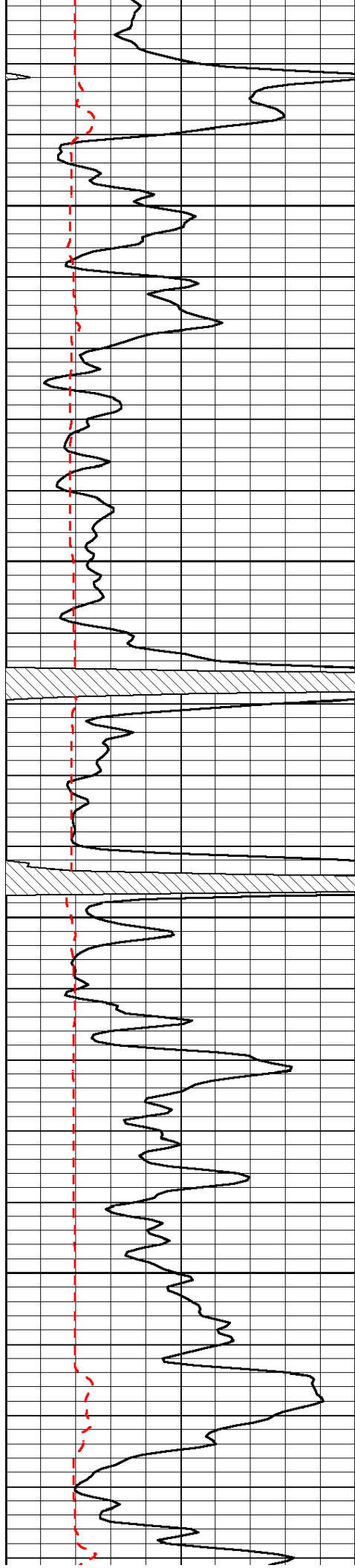


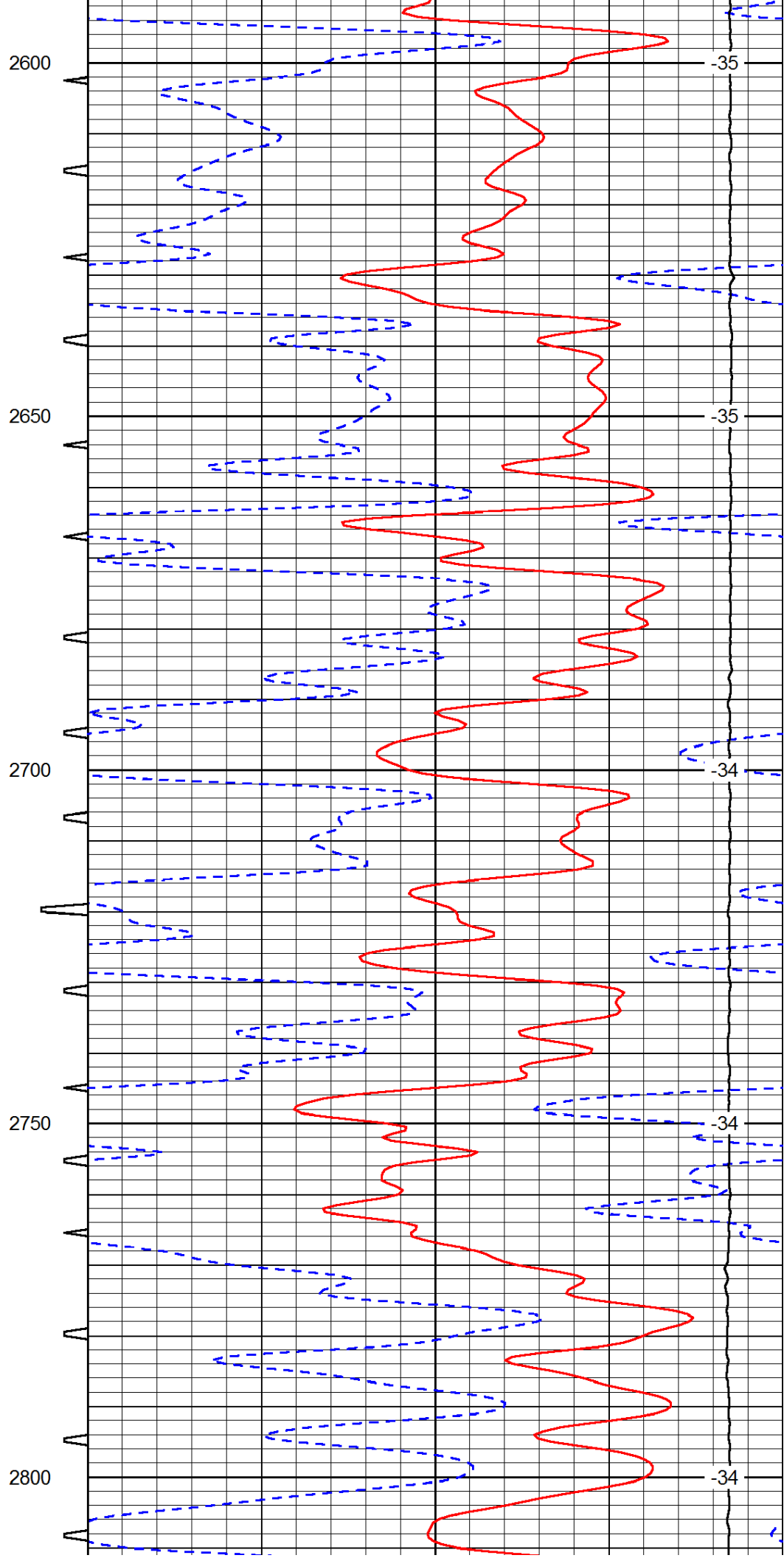
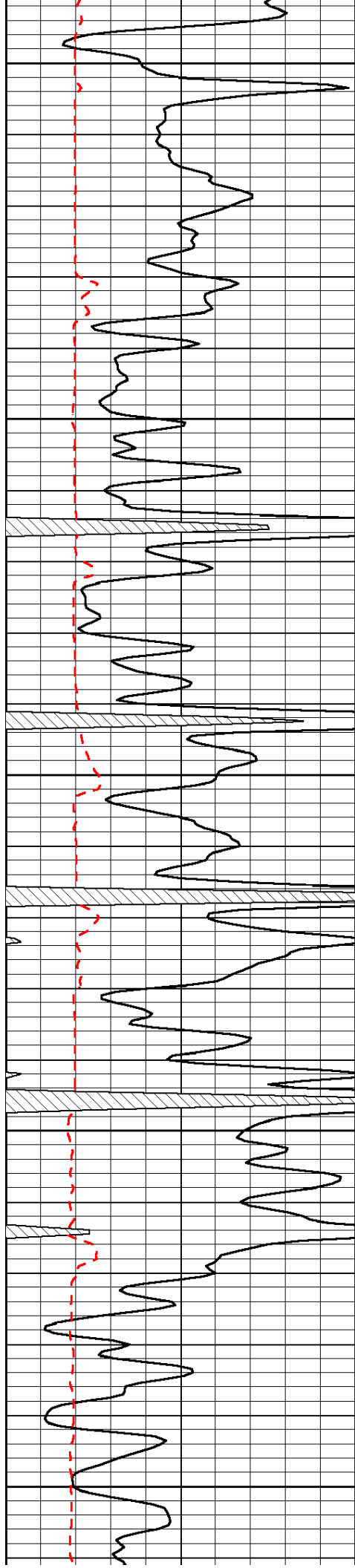


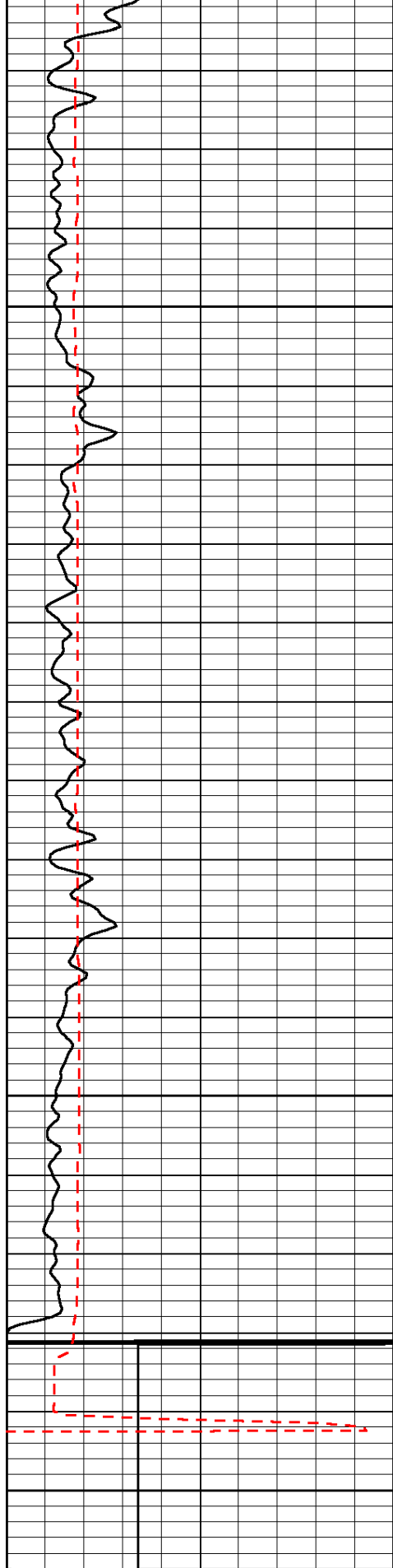




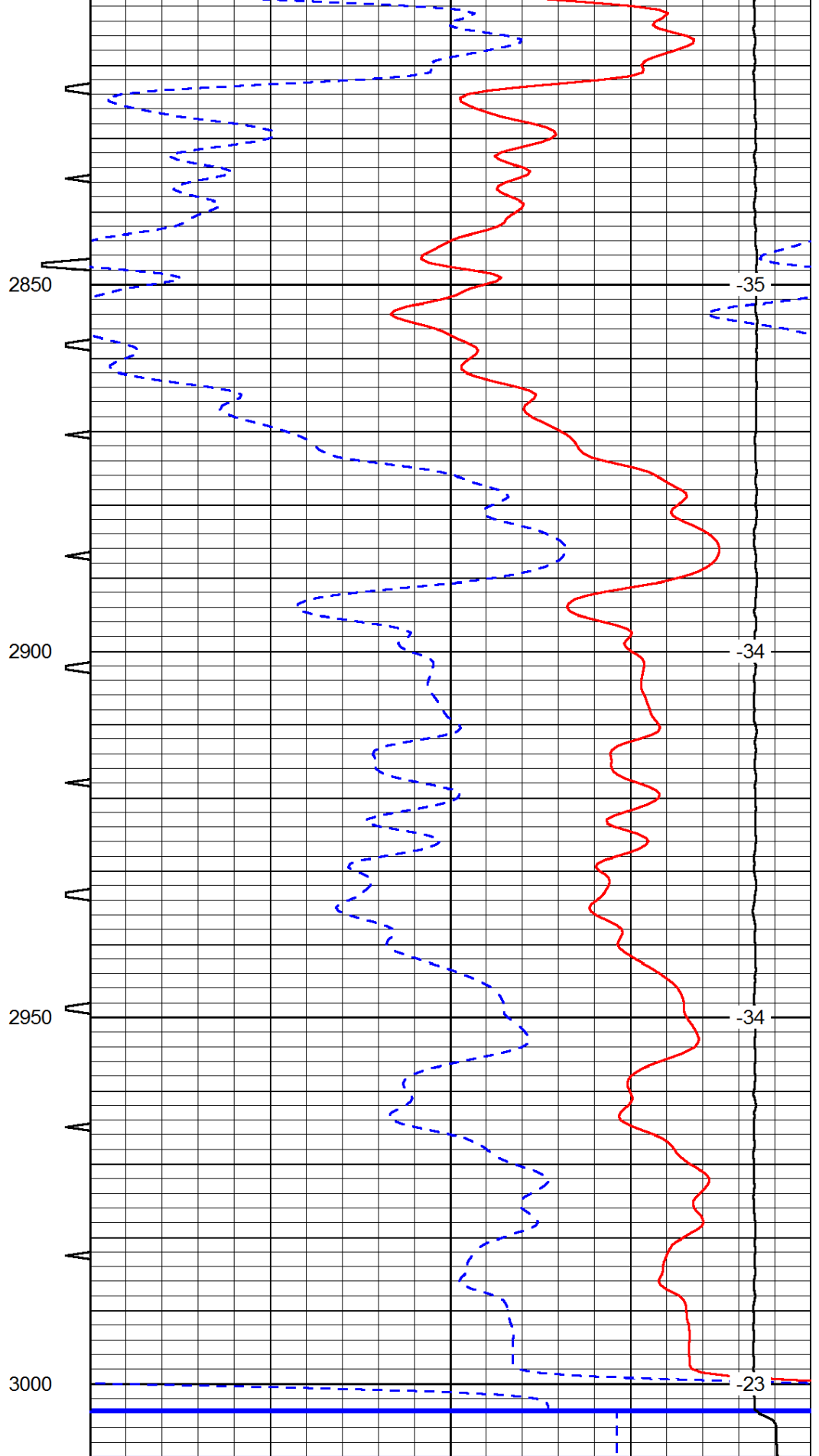








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