



Borehole Compensated Sonic Log

Pioneer Energy Services

API No.

15-165-22,000-00-00

Company **Black Tea Oil, LLC**
Well **Revis No.1**
Field **Otis-Albert**
County **Rush** State **Kansas**

Other Services
CNL/CDL
MEL/DIL

Sec: 27 Twp: 18S Rge: 16W

Permanent Datum Ground Level Elevation 1999
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 2006
D.F.
G.L. 1999

Date 12/3/2012

Run Number Two

Type Log BHC Sonic

Depth Driller 3693

Depth Logger 3692

Bottom Logged Interval 3681

Top Logged Interval 1050

Type Fluid In Hole Chemical

Salinity, PPM CL 5,000

Density 9.2

Level Full

Max. Rec. Temp. F 113

Operating Rig Time 4 Hours

Equipment -- Location 17 Days

Recorded By C. Desaire

Witnessed By Marc Downing

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
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One	12.25	00	1060	8.625	23#	00	1060
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Two	7.875	1060	TD				
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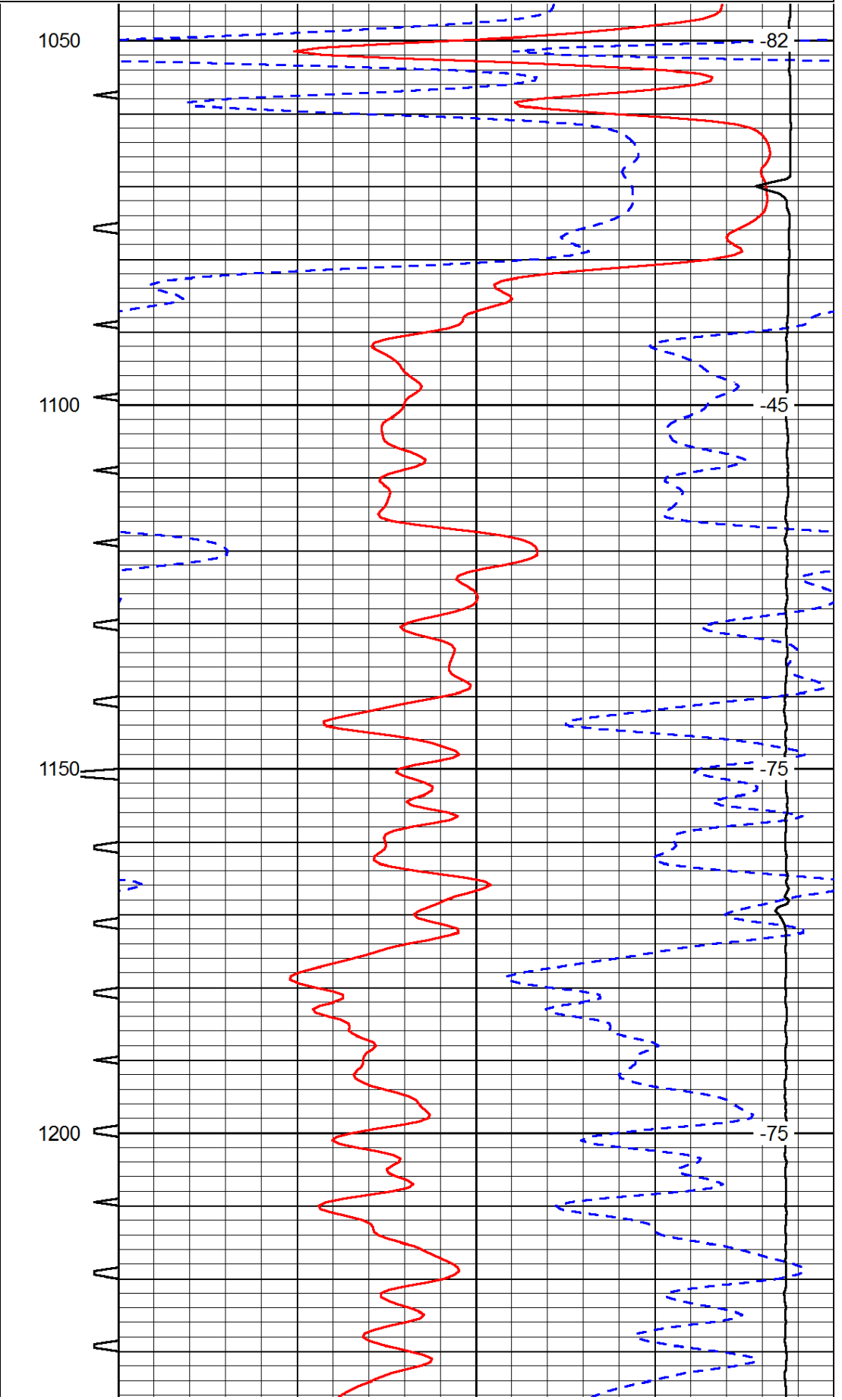
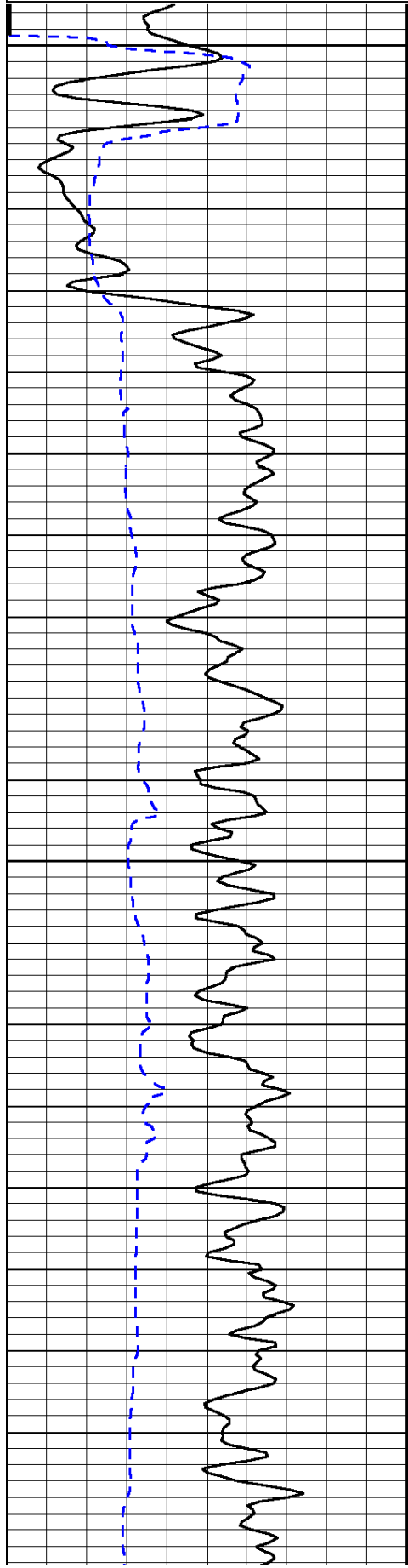
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

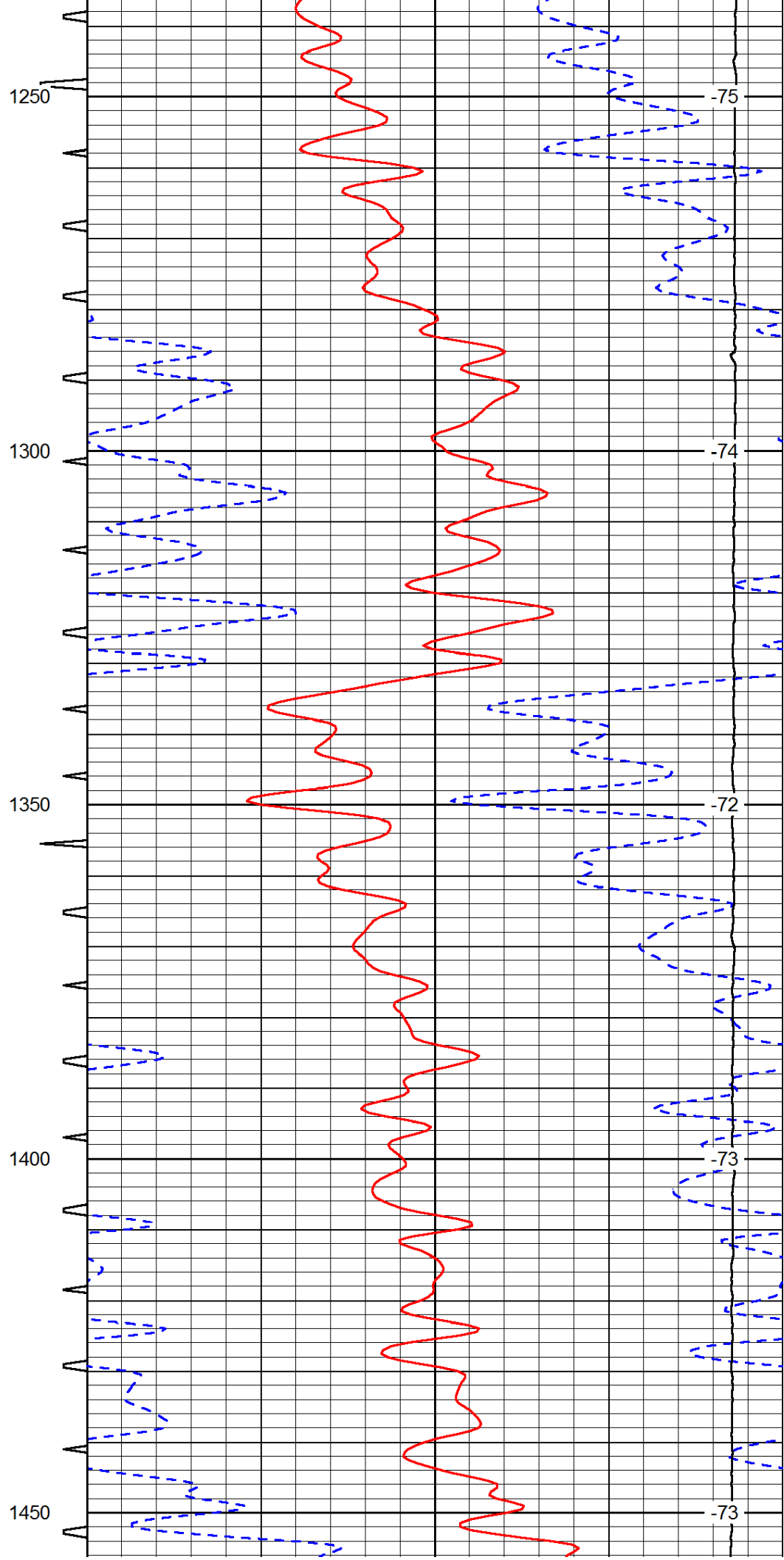
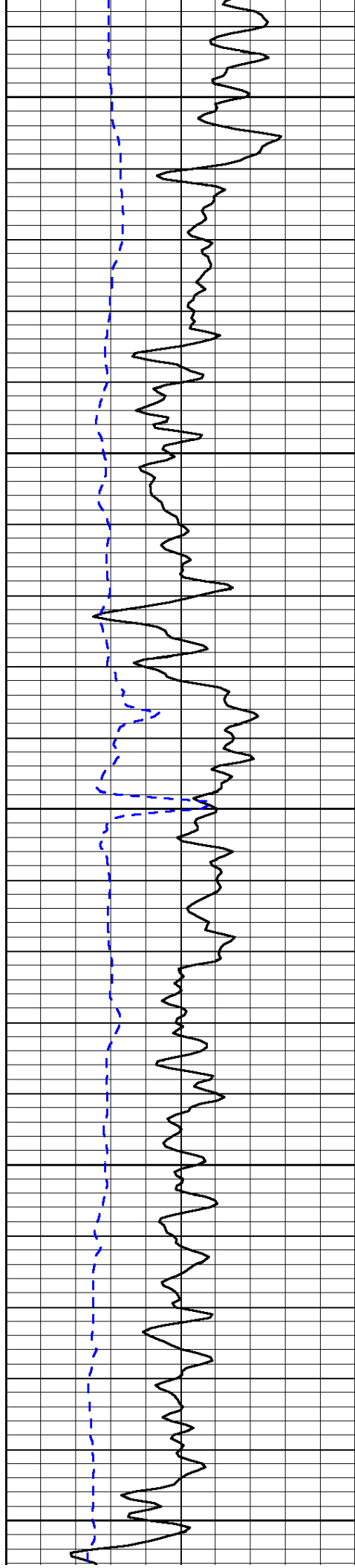
Comments

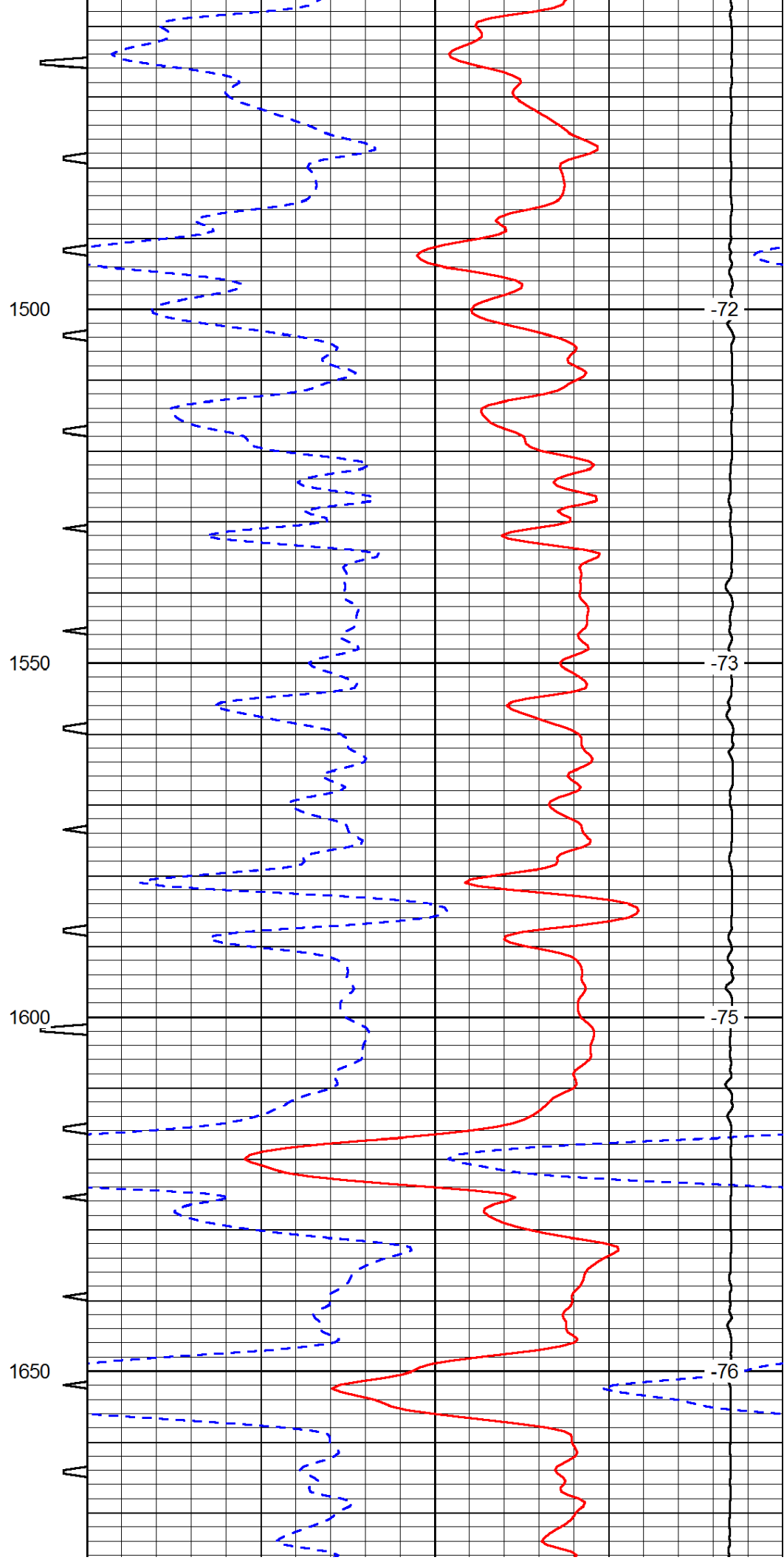
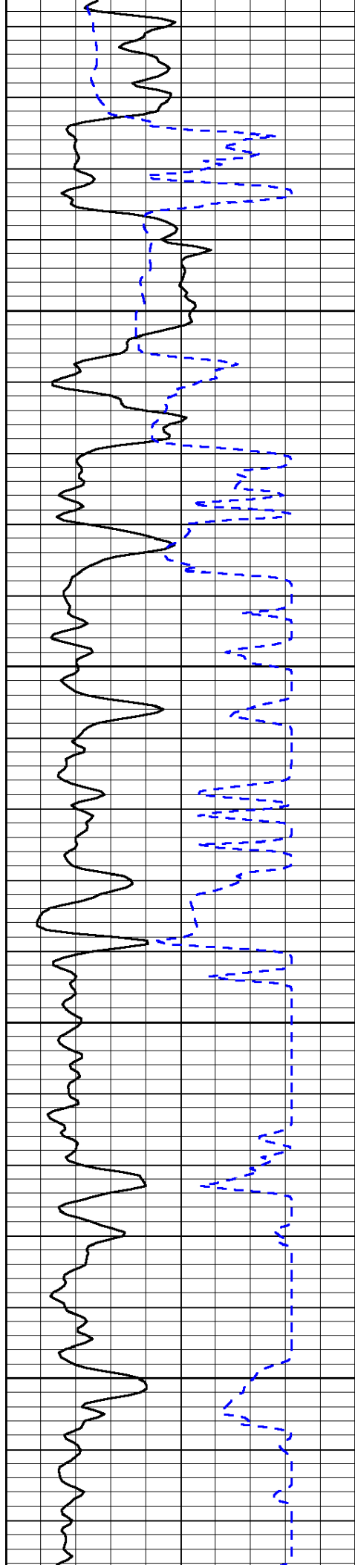
Thank you for using Log-Tech, Inc.
(785) 625-3858

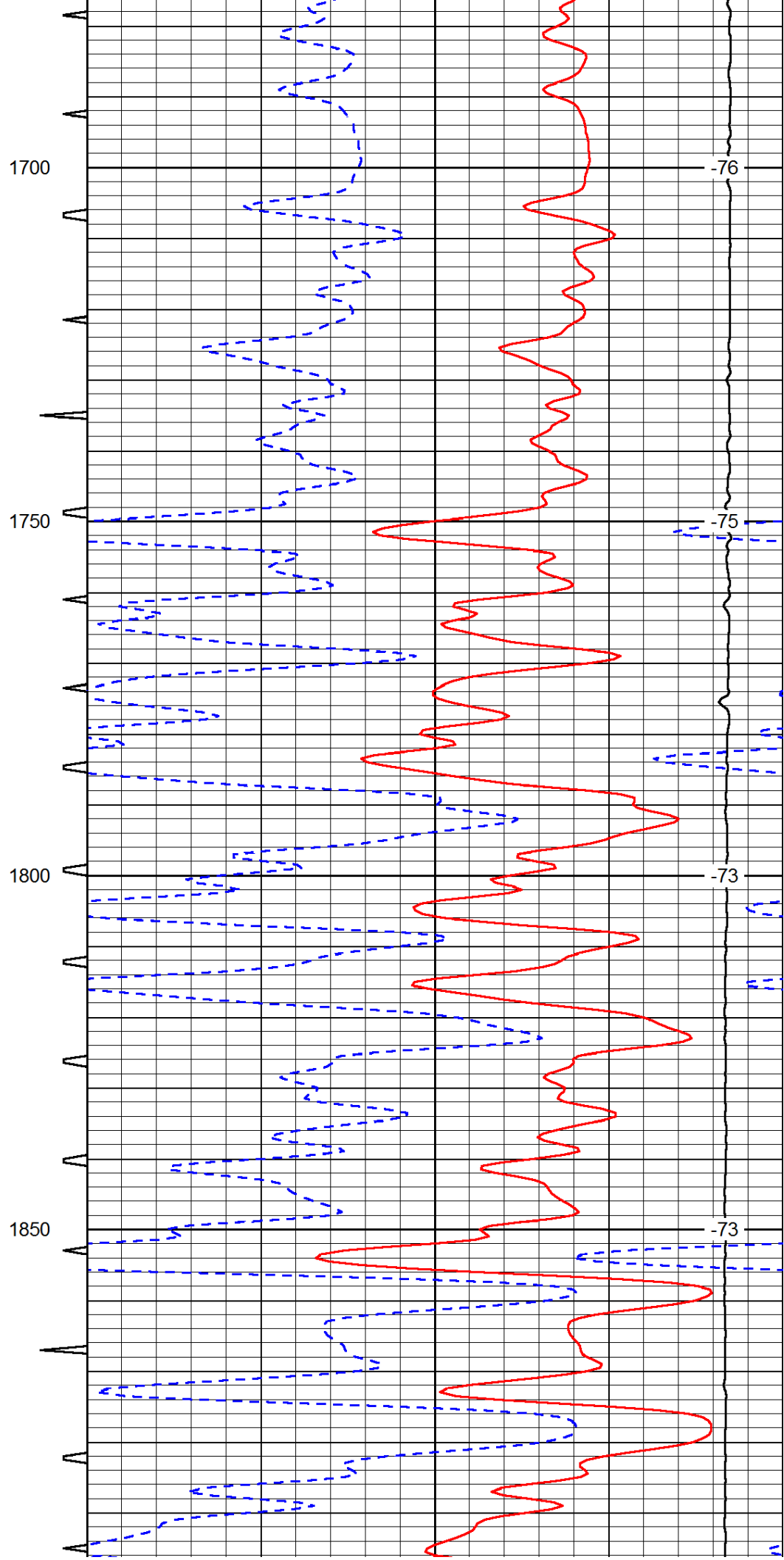
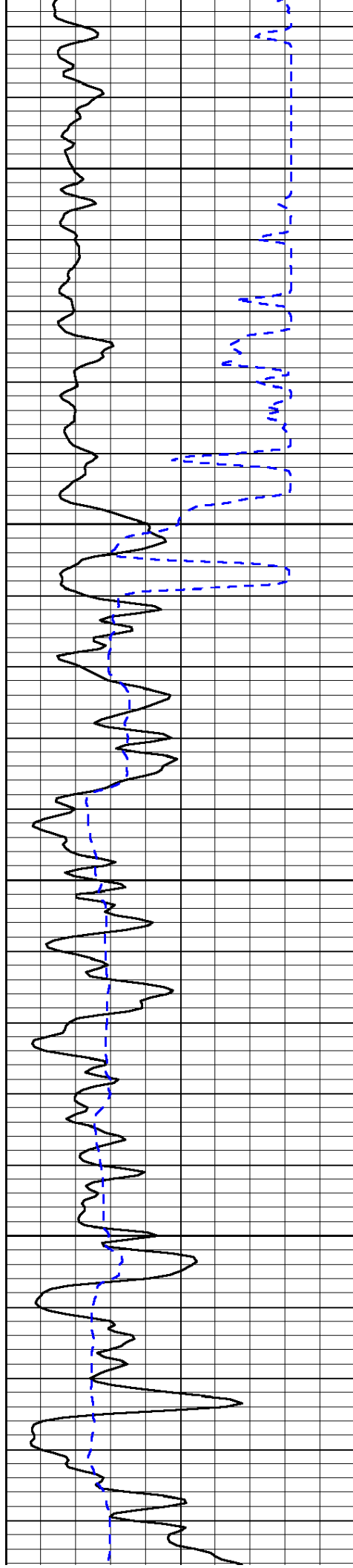
Rush Center KS, 12 E, 1/2 S, E Into

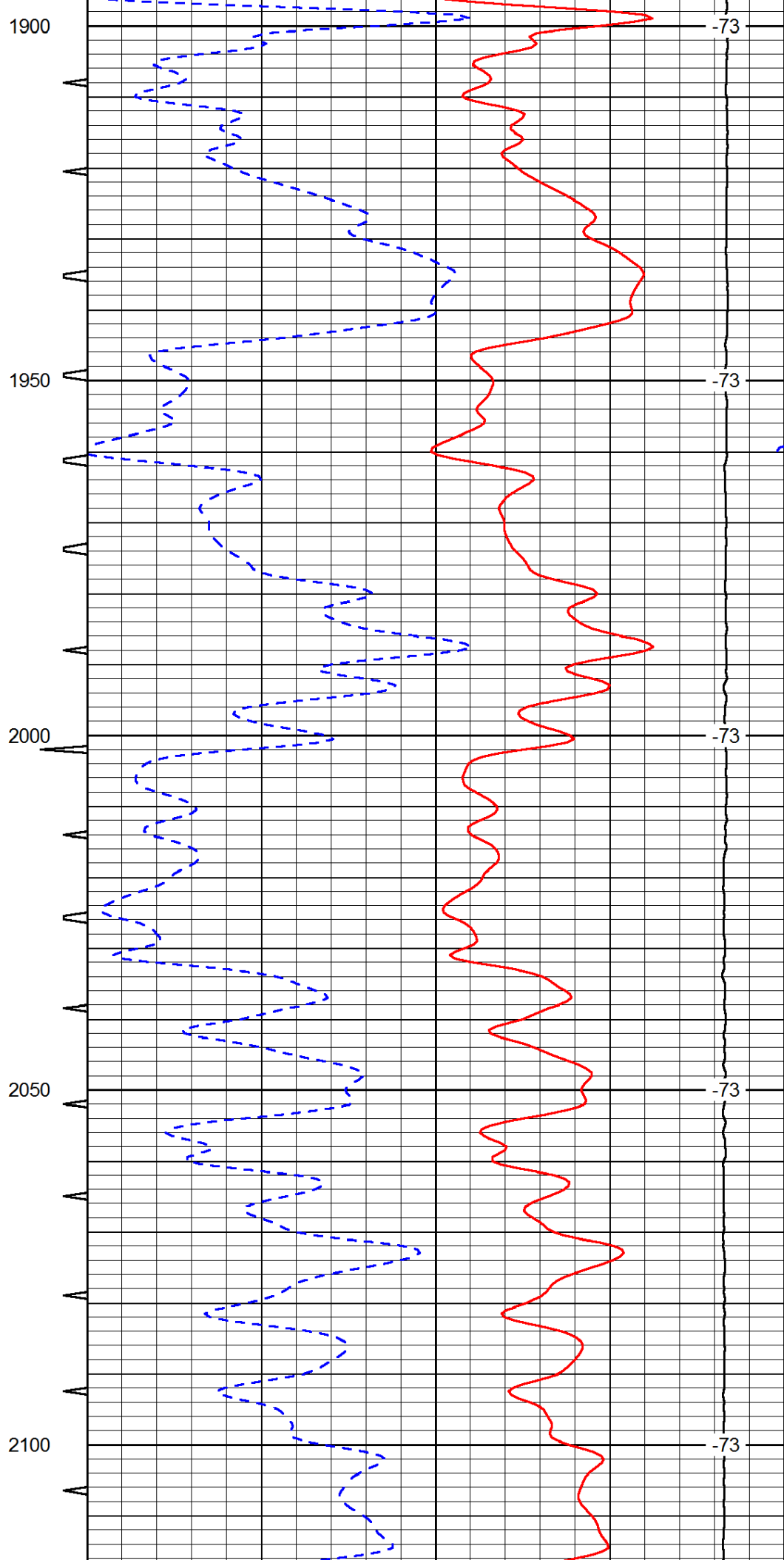
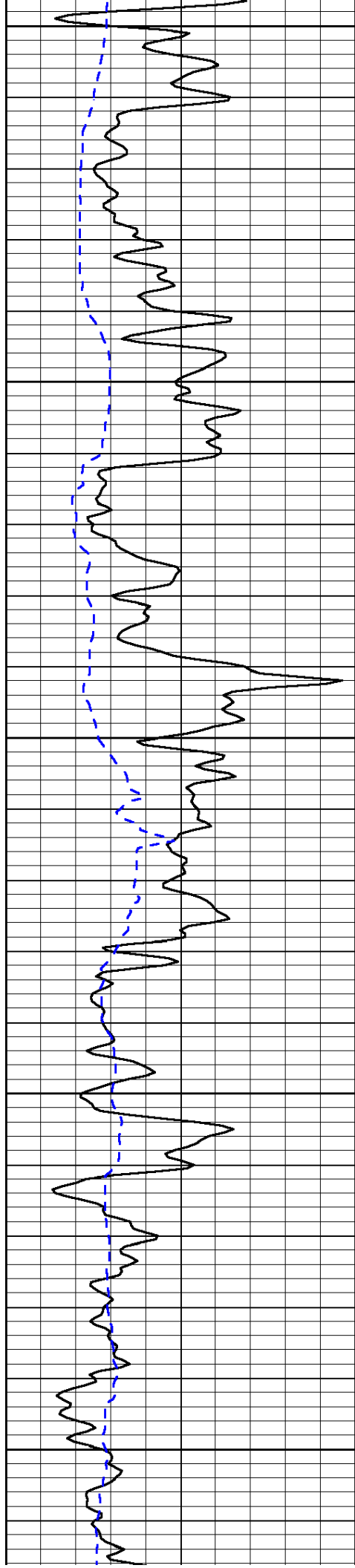
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150	Gamma Ray (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu)	-10
6	dCAL (in)	16		15000	LTEN (lb) (lb)	0
						LSPD (ft/min)

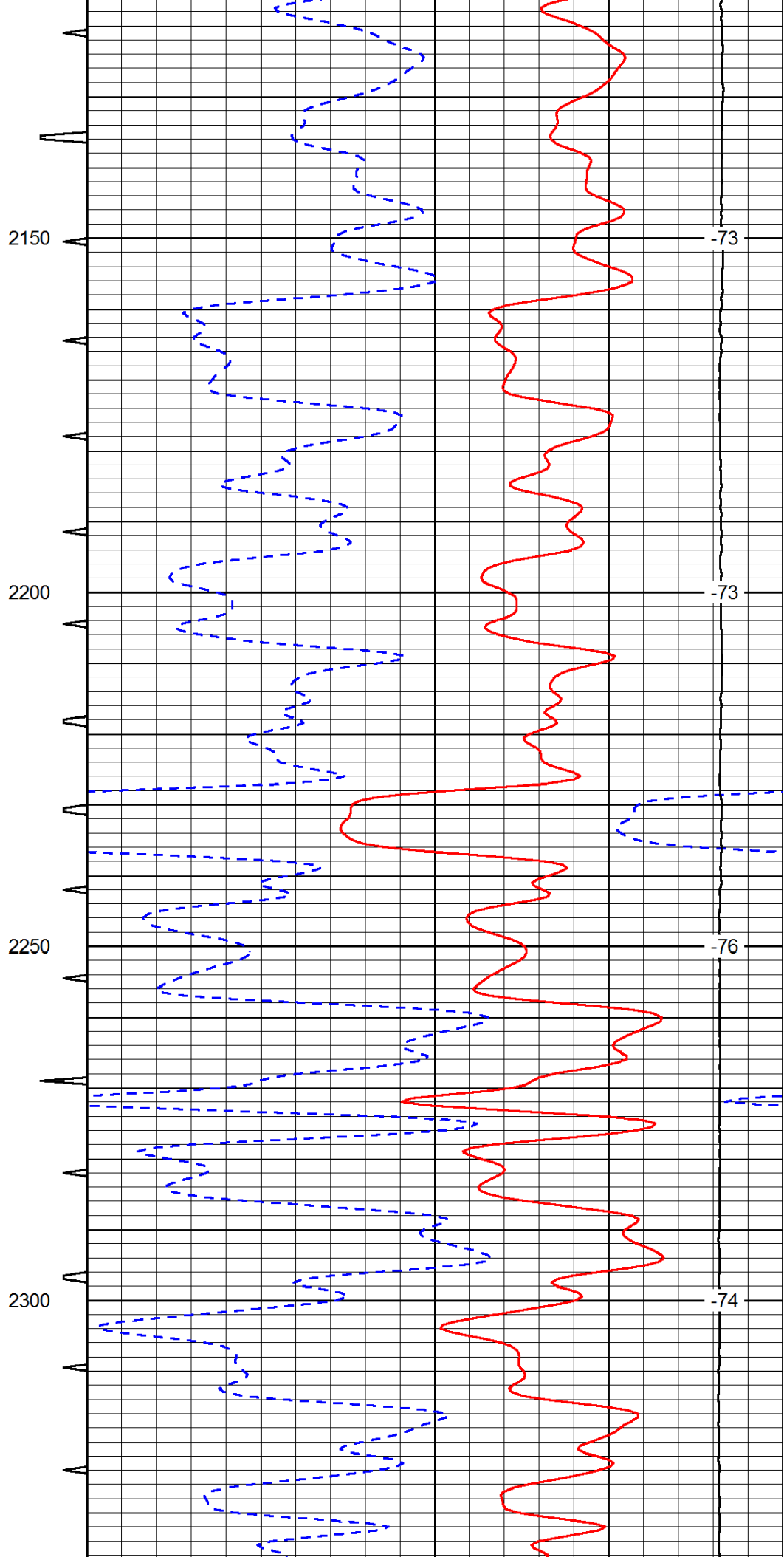
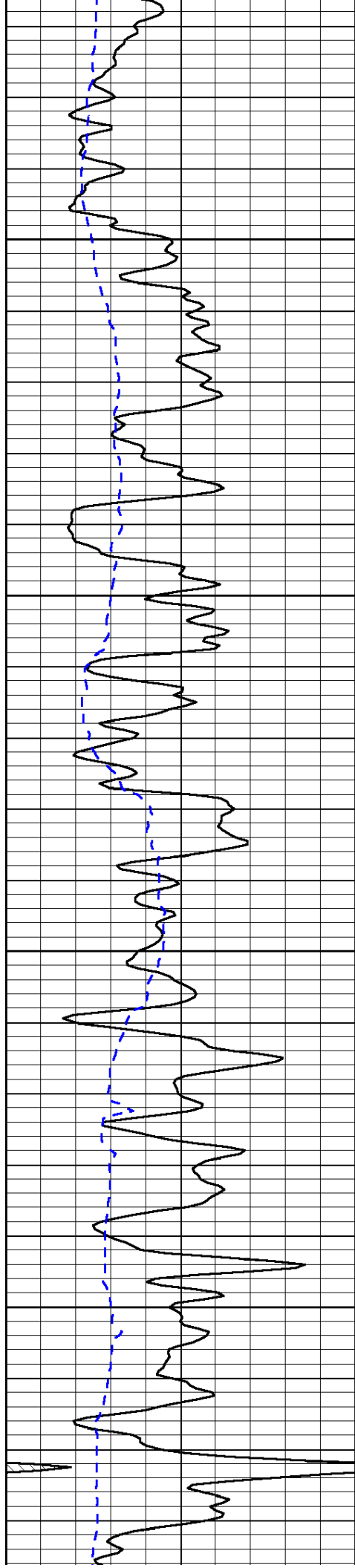


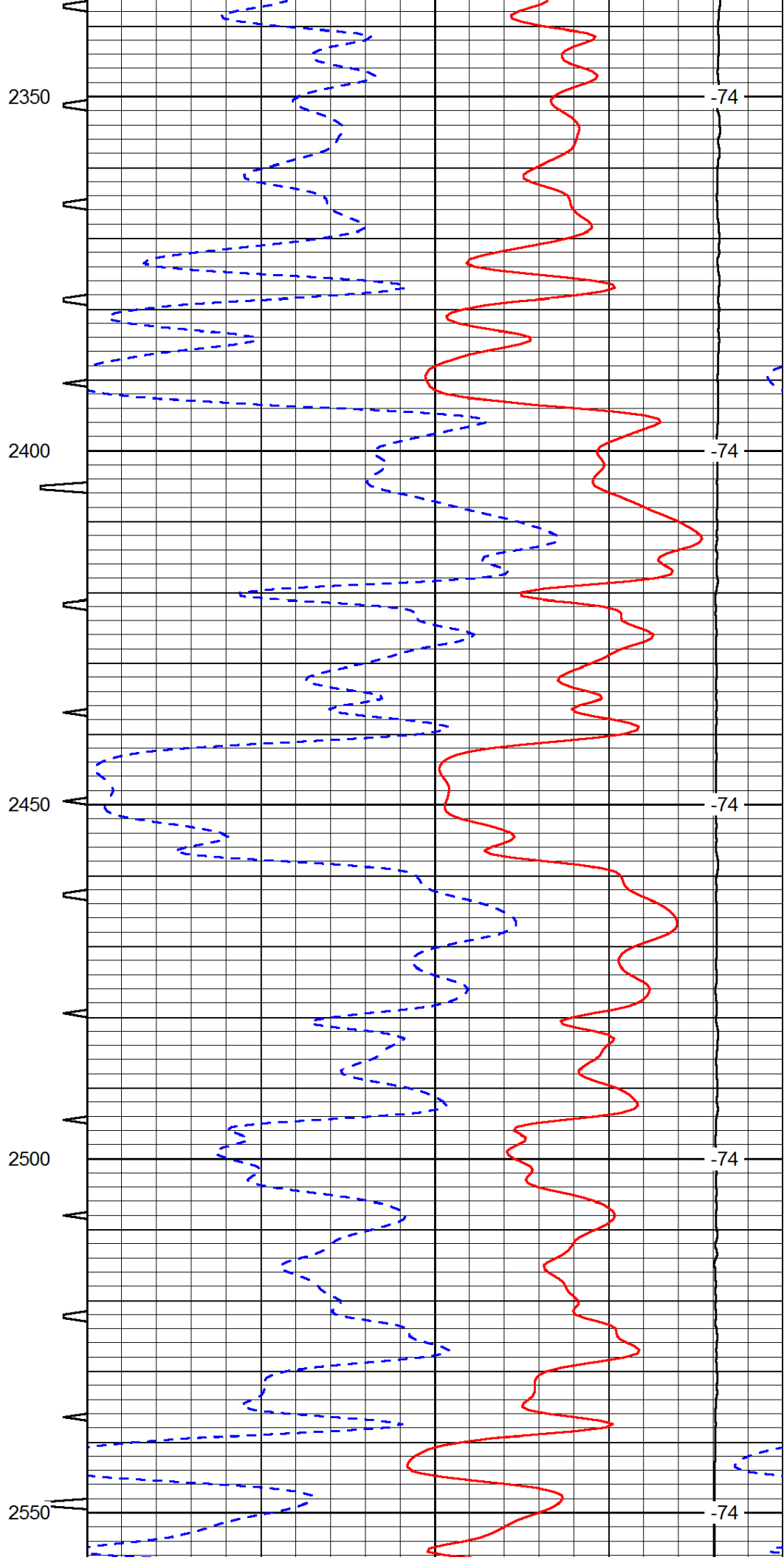
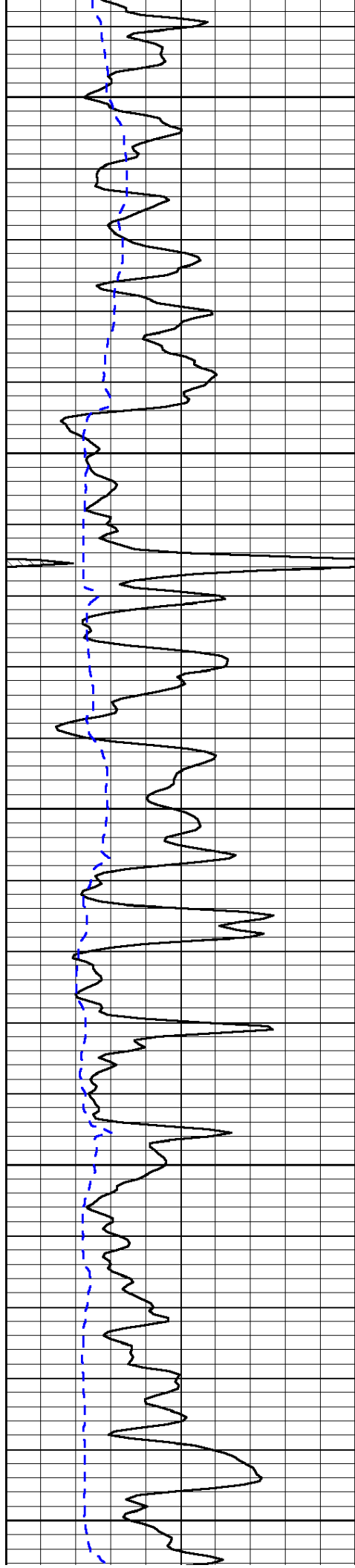


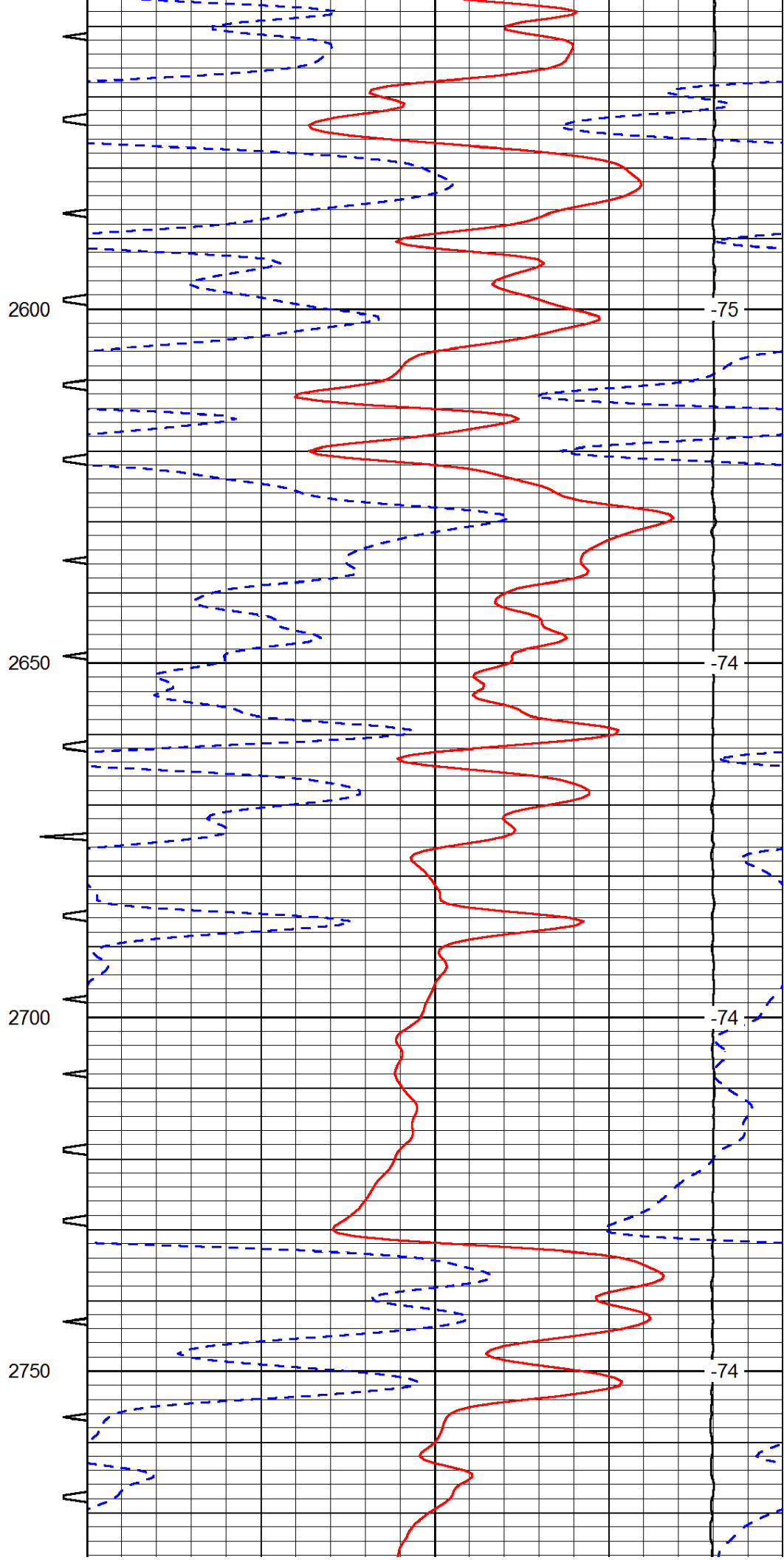
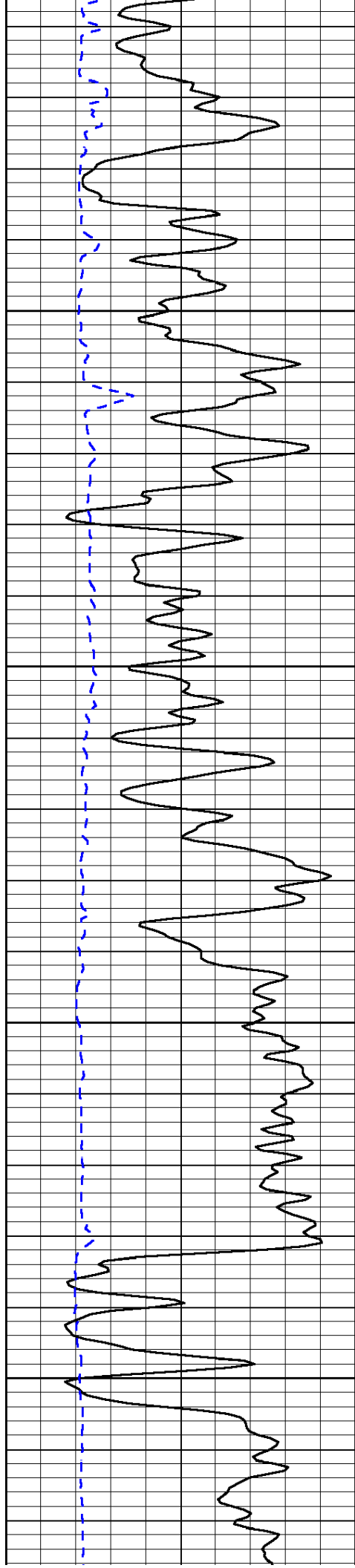


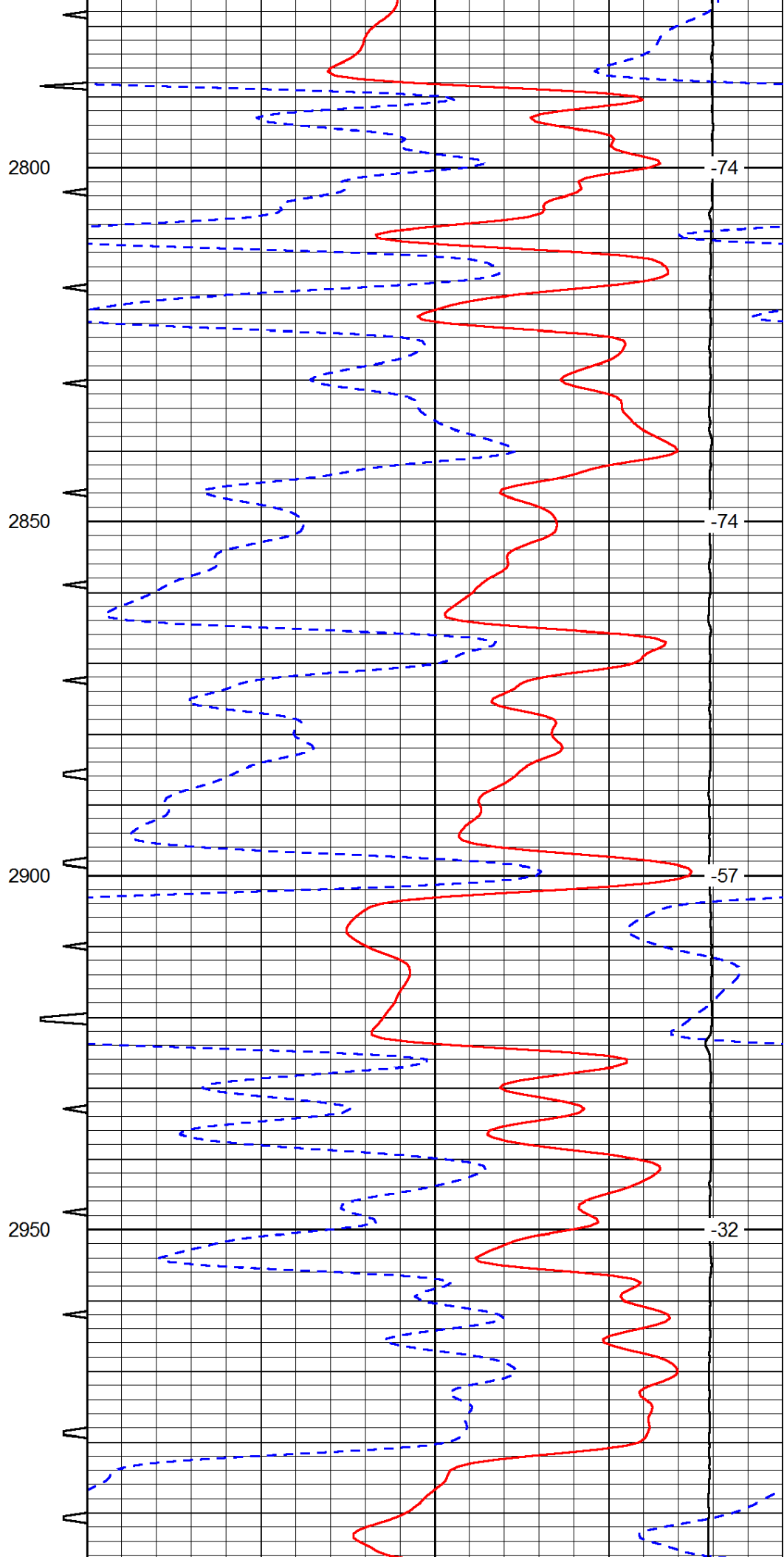
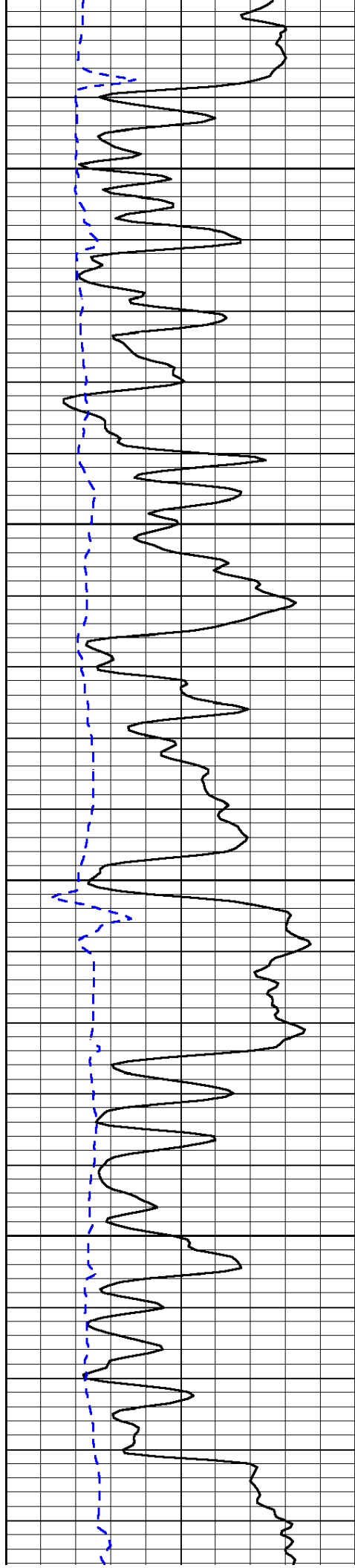


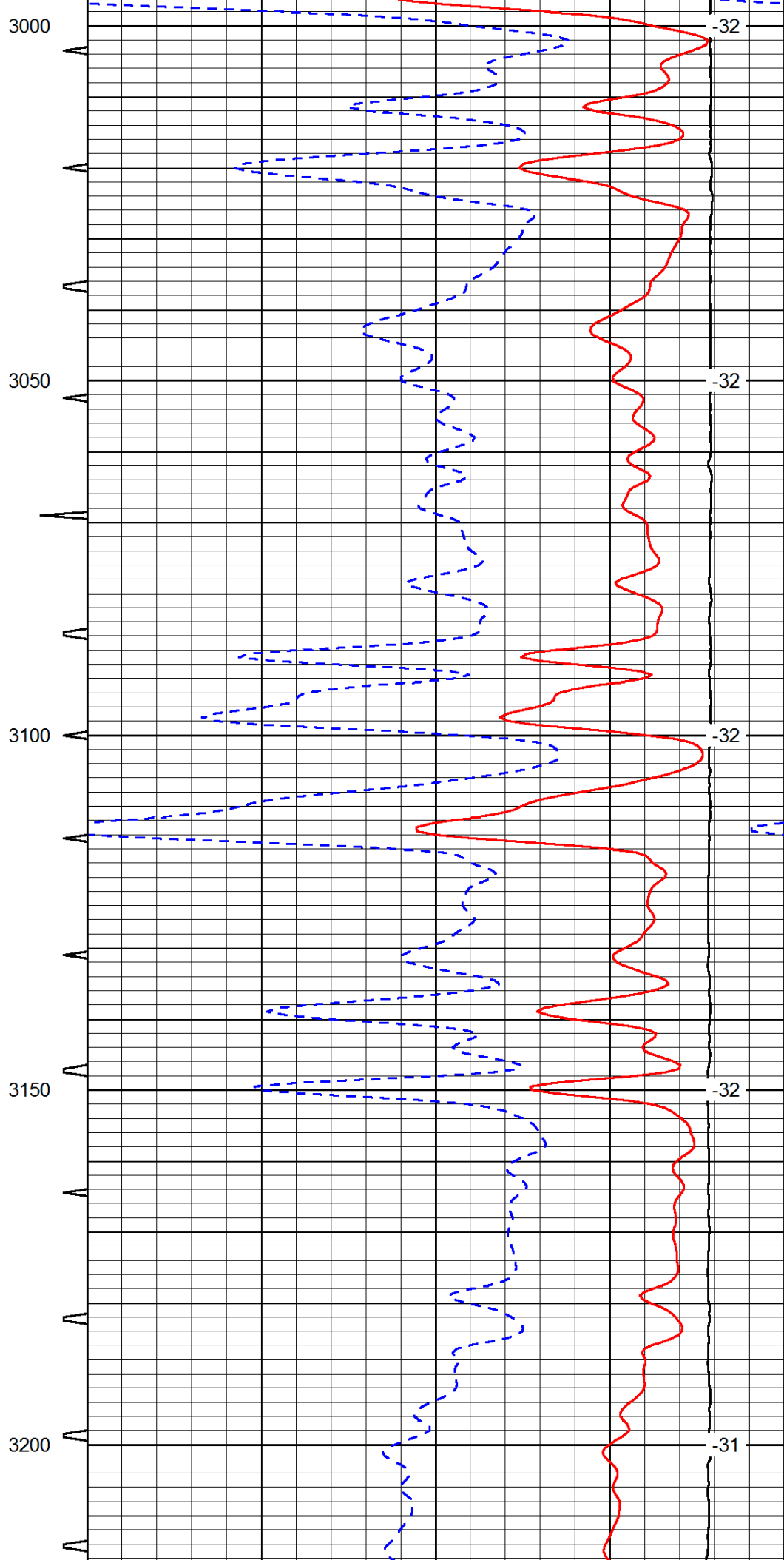
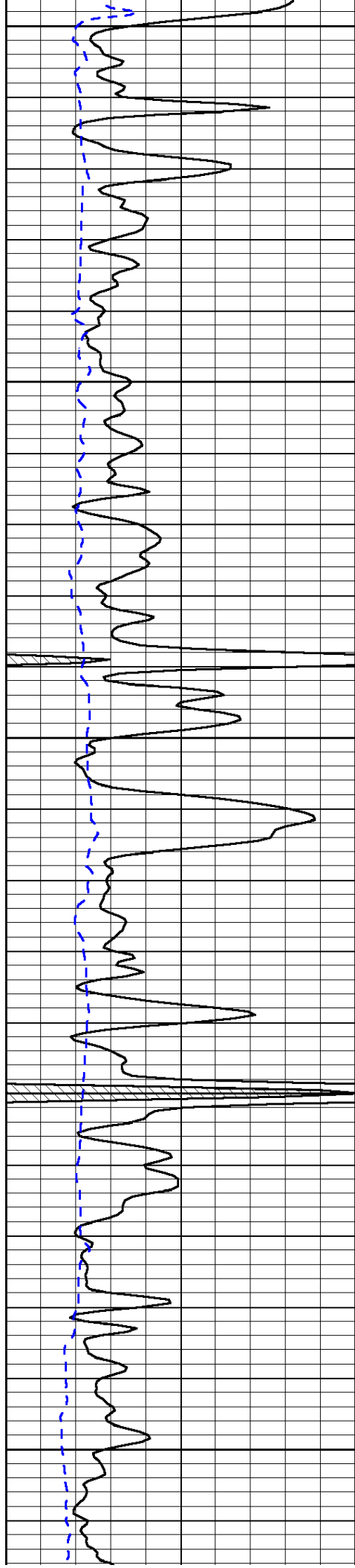


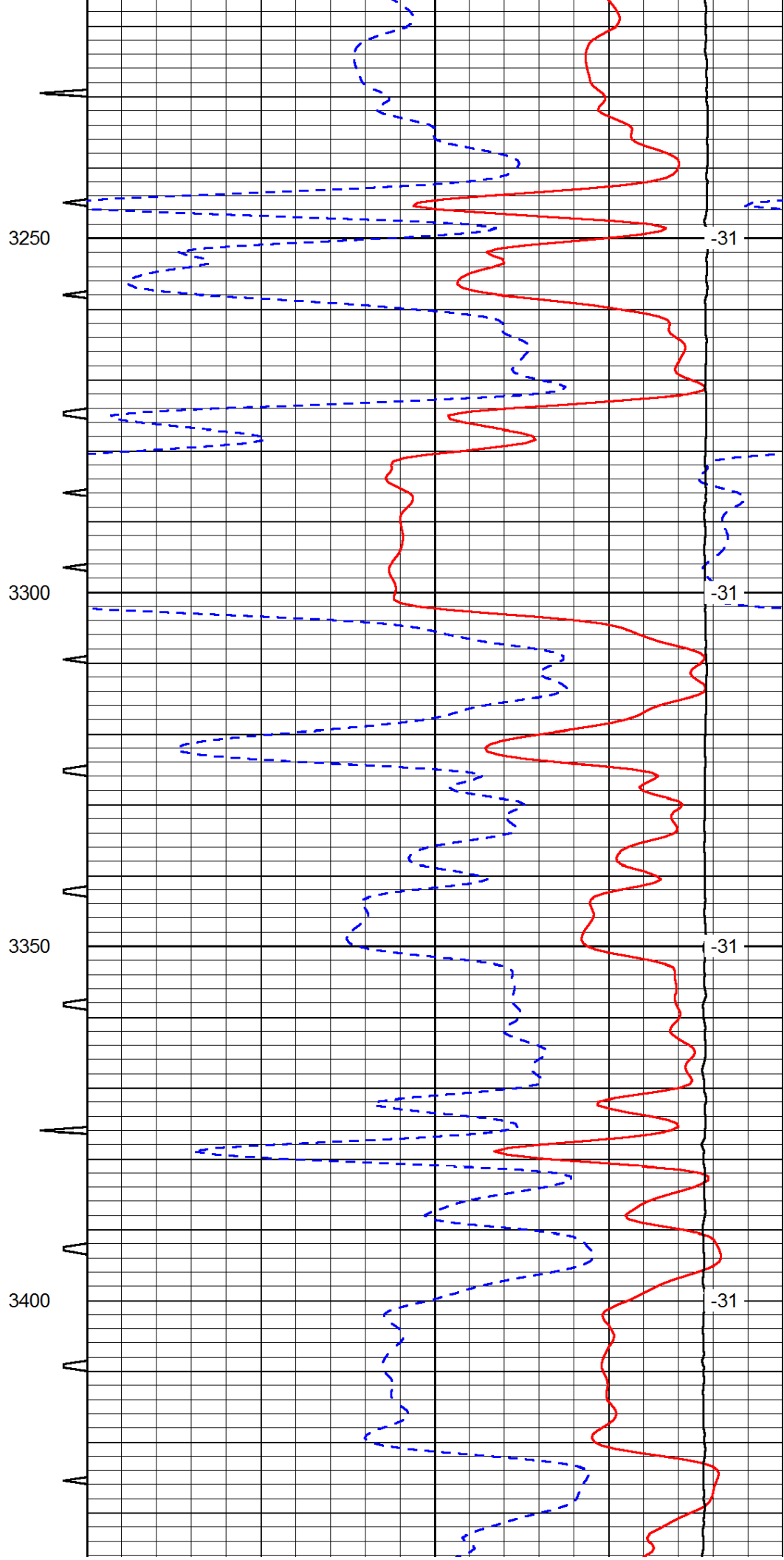
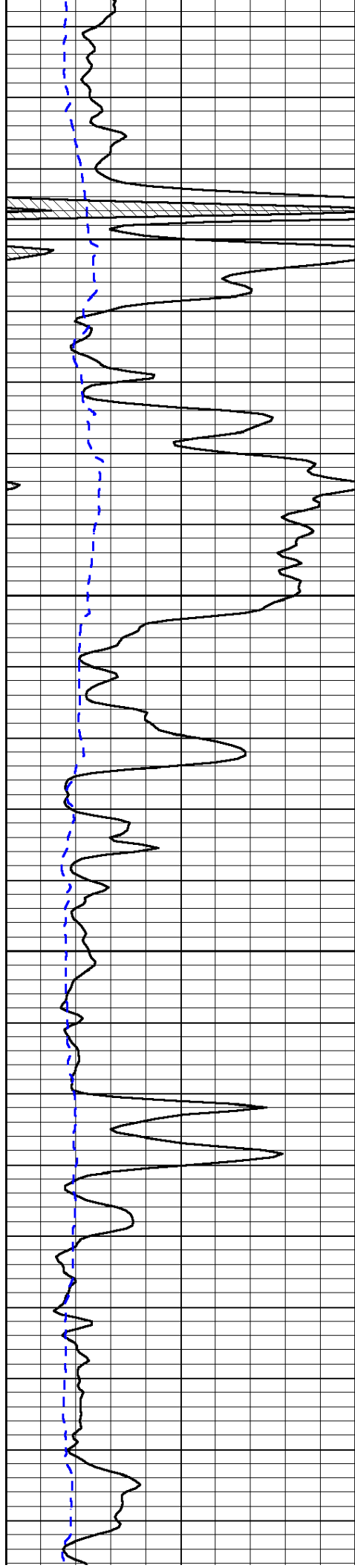


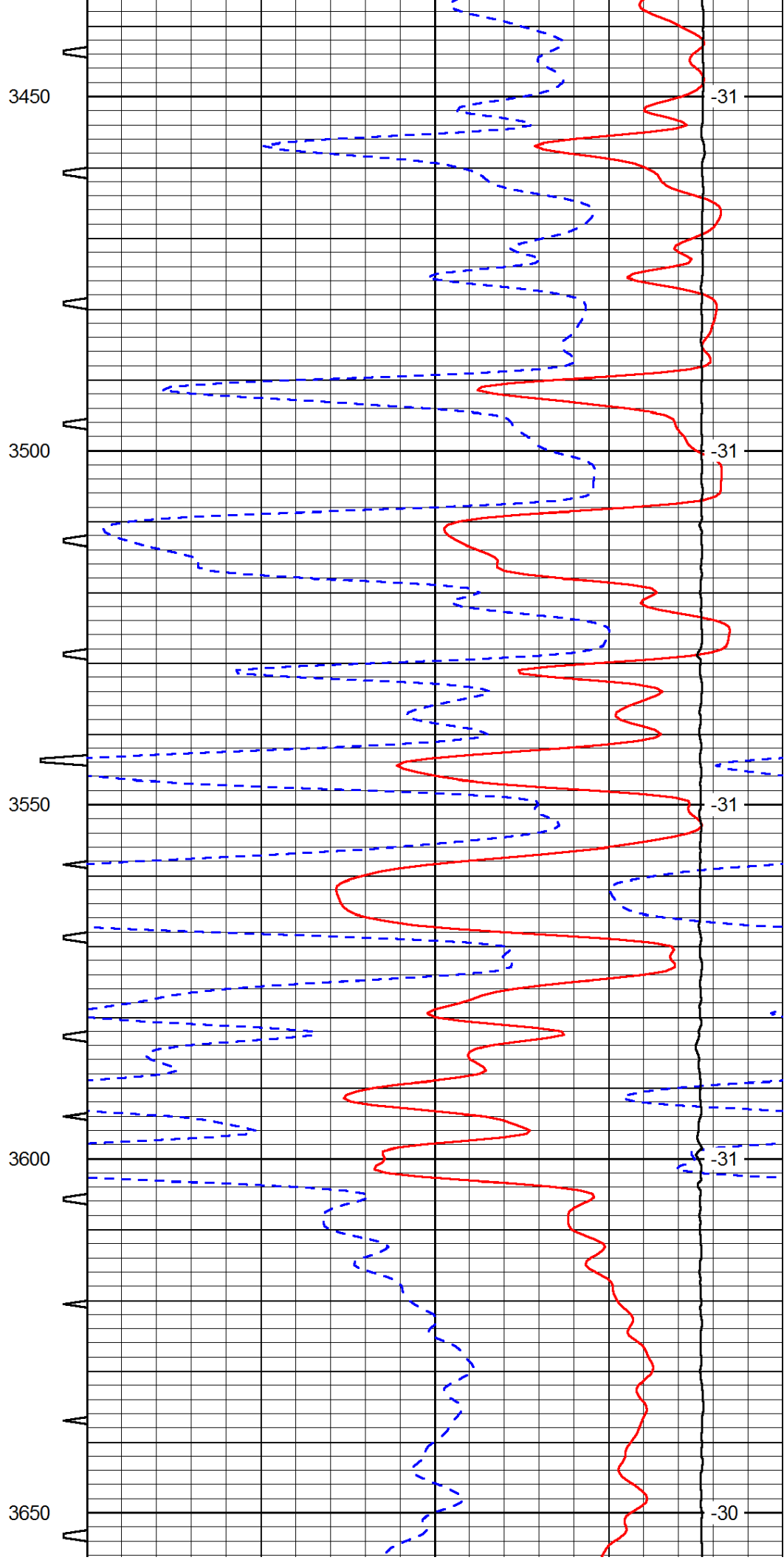
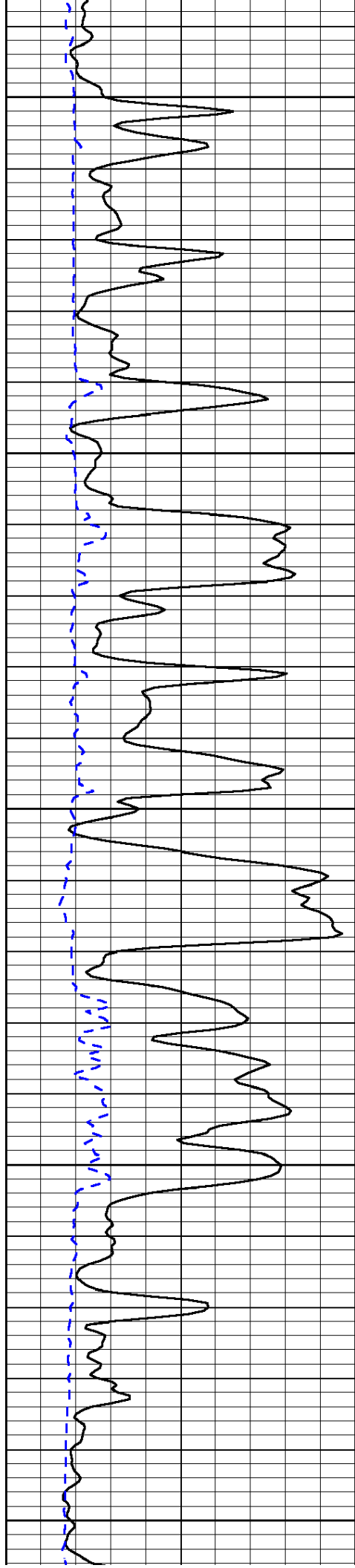


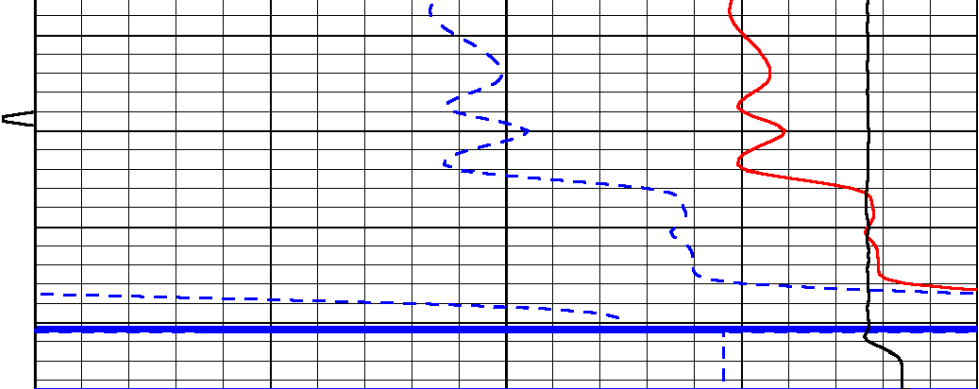
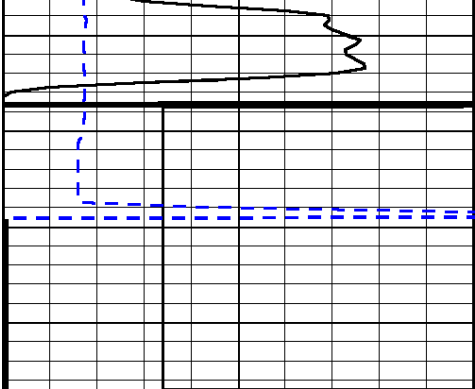












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