



Pioneer Energy Services

Borehole Compensated Sonic Log

API No.

15-171-20,954-00-00

Company **Landmark Resources, Inc.**

Well **Decker #1-8**

Field **Wildcat**

County **Scott**

State **Kansas**

Location **1732' FSL & 1709' FEL**

Sec: **8**

Twp: **17S**

Rge: **34W**

Other Services
CNL/CDL
MEL/DIL

Permanent Datum Ground Level Elevation 3145
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date **6/26/2013**

Run Number **Two**

Type Log **BHC Sonic**

Depth Driller **4940**

Depth Logger **4943**

Bottom Logged Interval **4932**

Top Logged Interval **200**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **6.100**

Density **9.4**

Level **Full**

Max. Rec. Temp. F **125**

Operating Rig Time **5 Hours**

Equipment -- Location **15 Hays**

Recorded By **J. Henrickson**

Witnessed By **Terry McLeod**

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
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1	12.25	00	226	8.625	24#	00	226
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2	7.875	226	4940				
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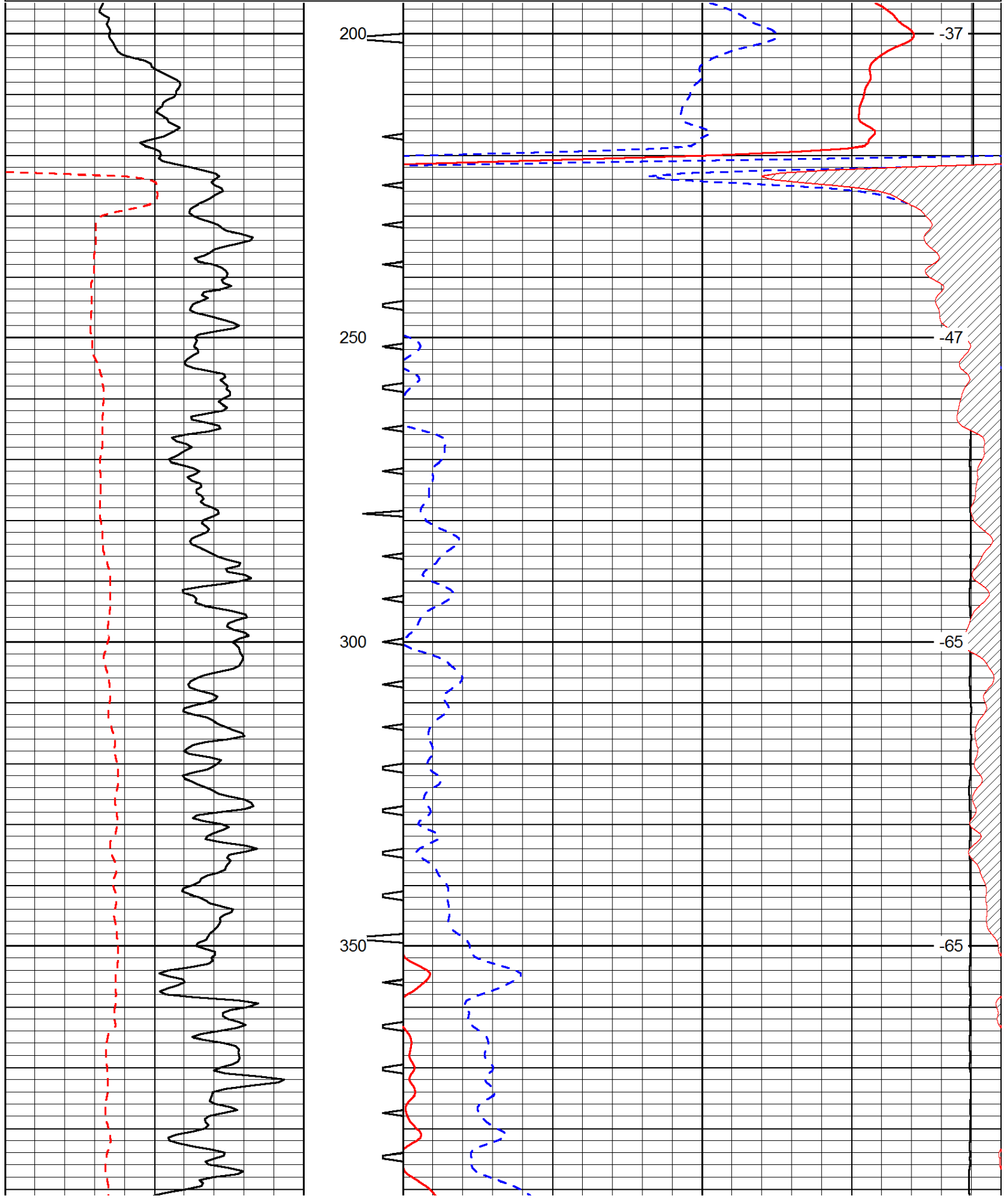
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

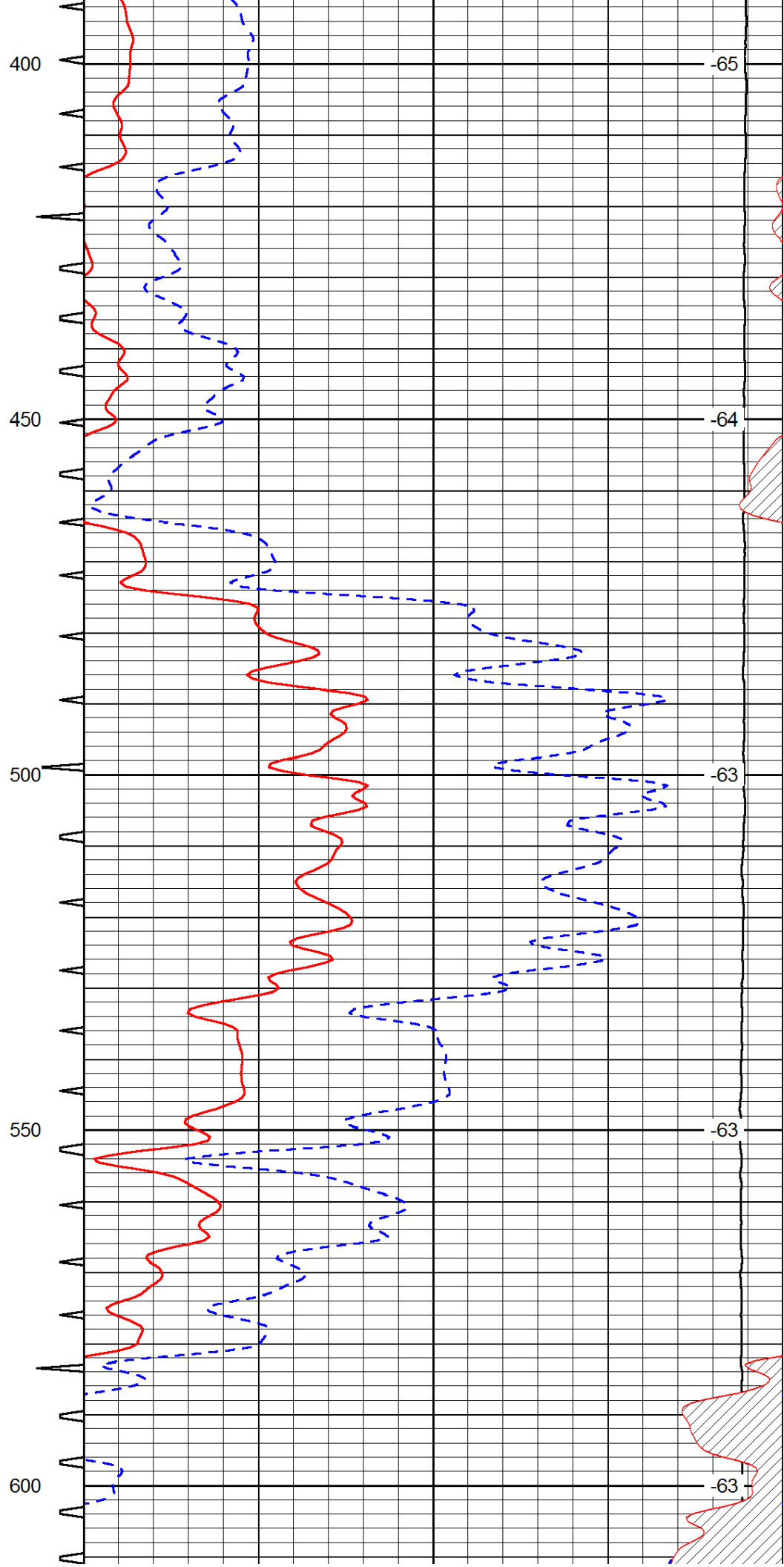
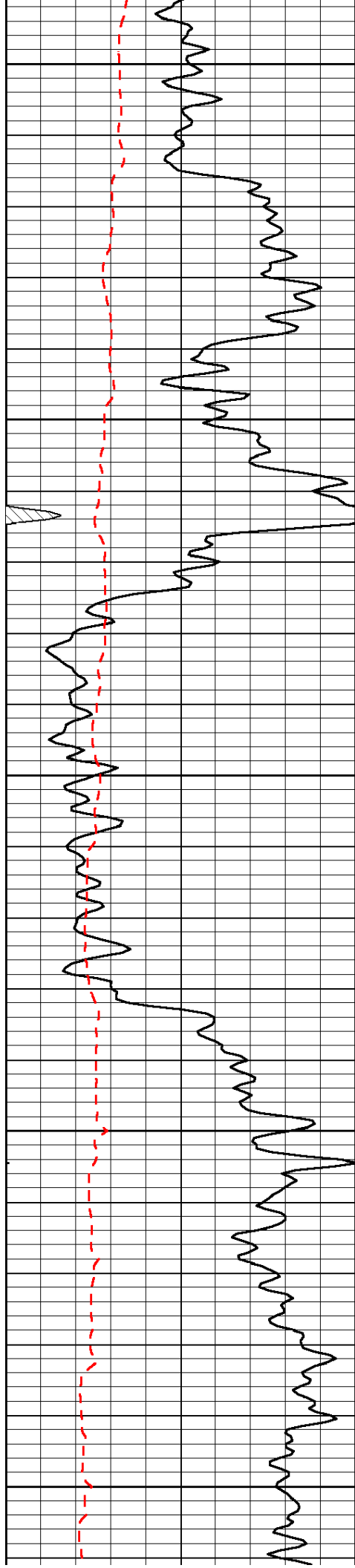
Comments

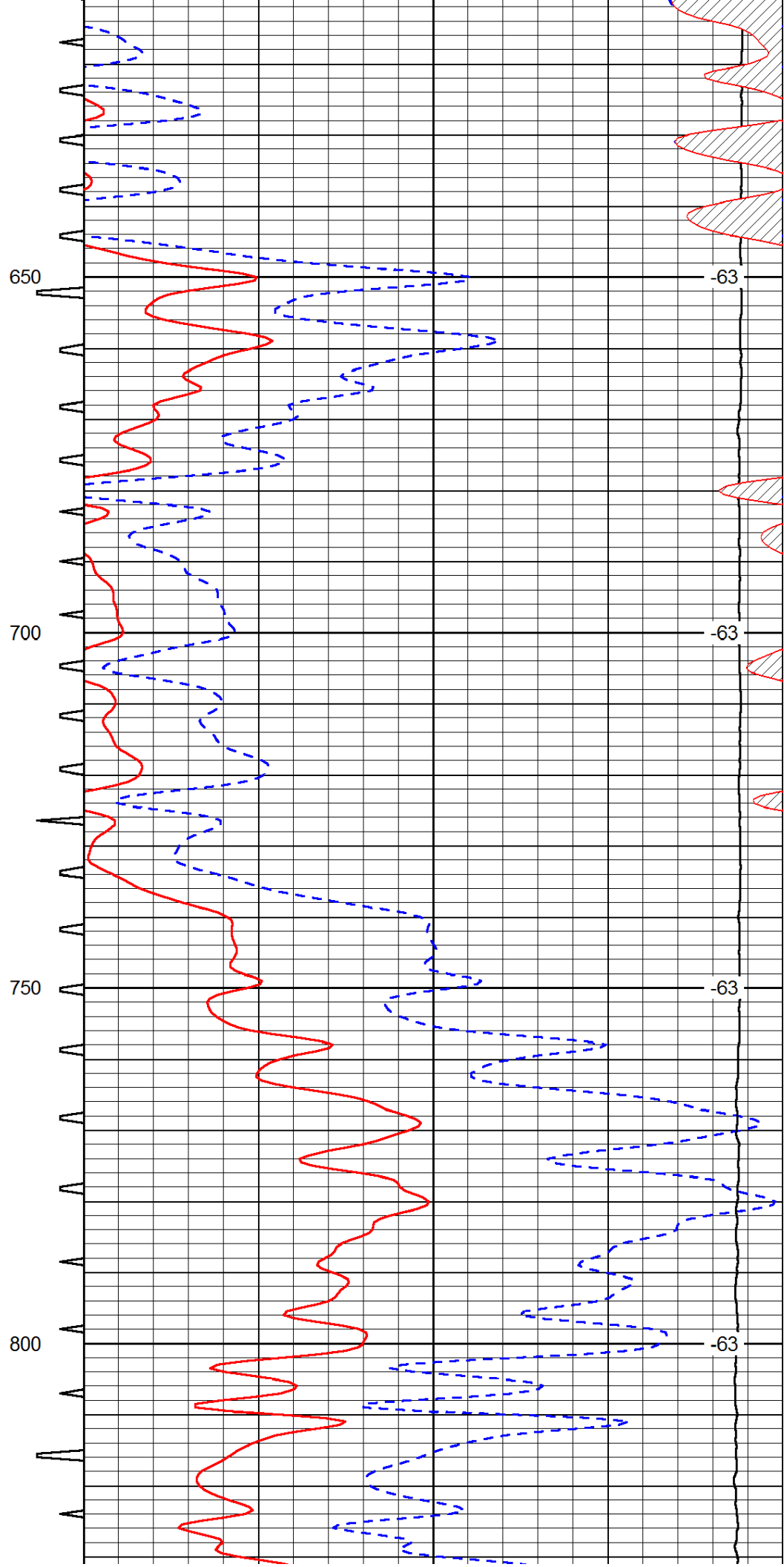
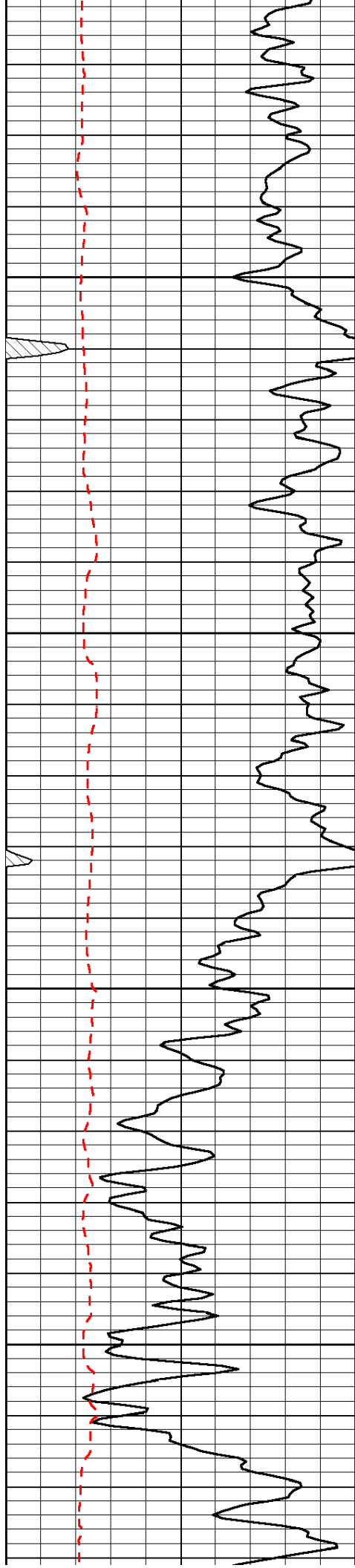
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Scott City KS
8 W on HWY 96 to Dakota Rd. 1 N, 1 W
5 1/2 N to 215 Rd. 1 W, 1/2 N, W Into

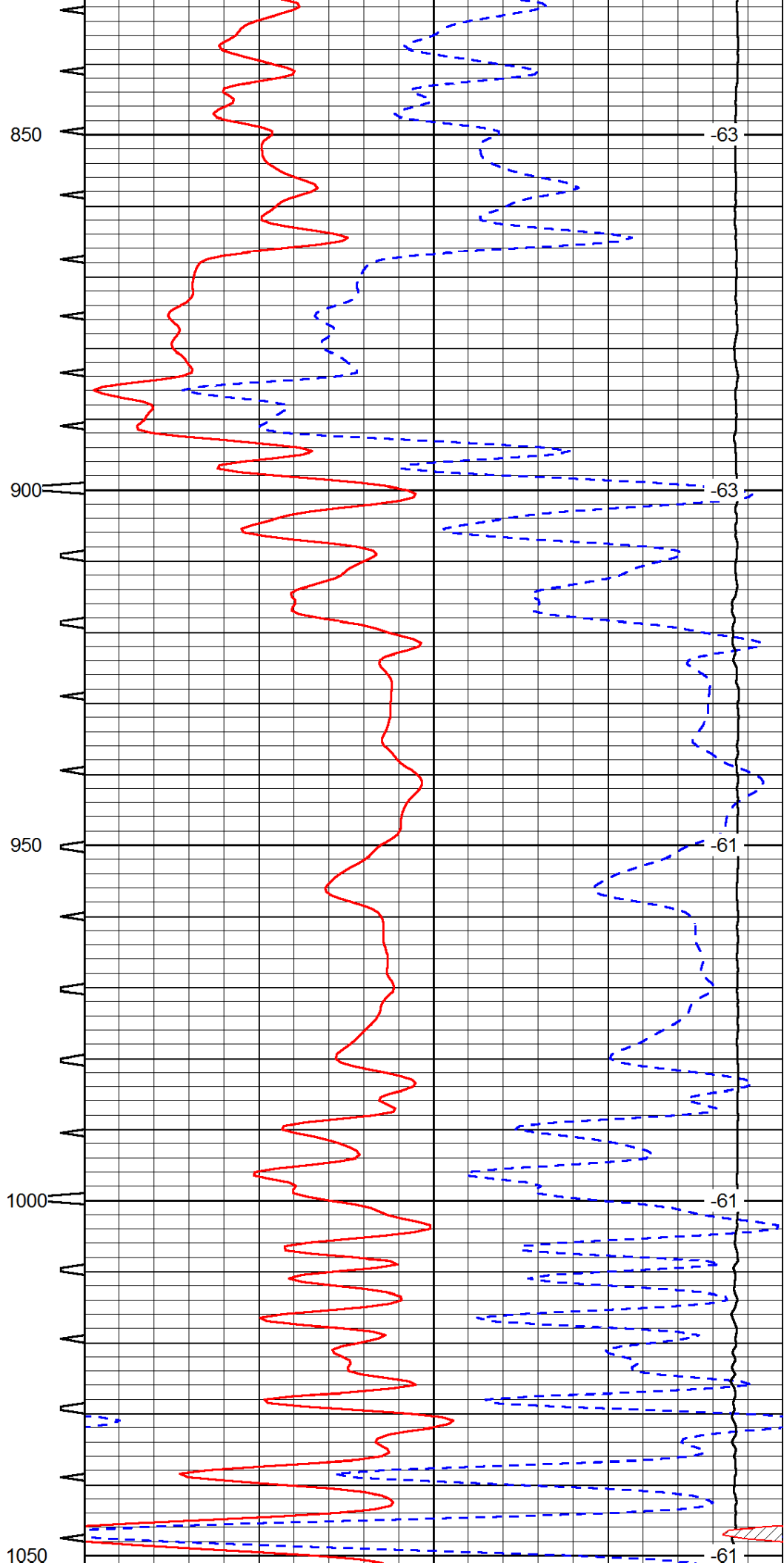
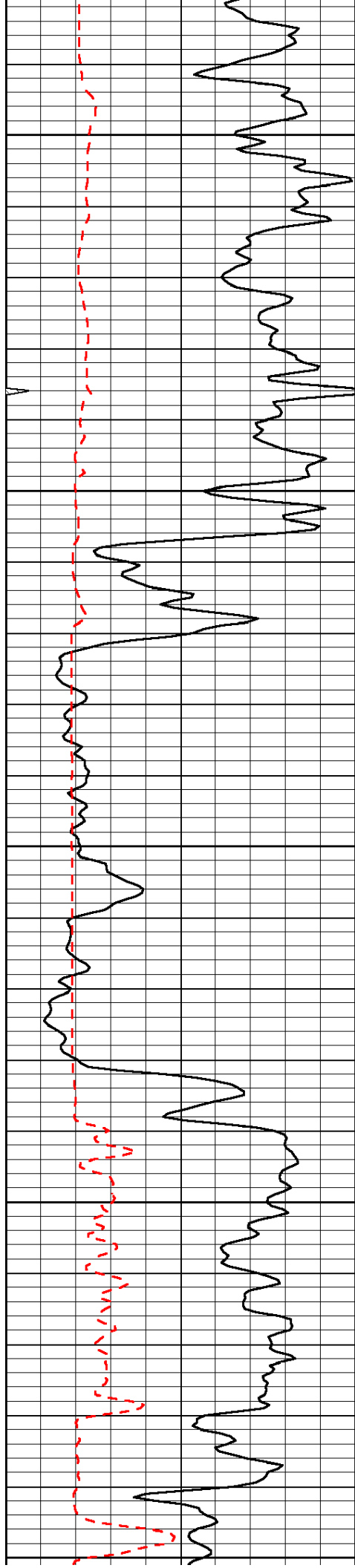
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Dataset Pathname: DIL\landstk
Presentation Format: sonic
Dataset Creation: Wed Jun 26 22:00:03 2013
Charted by: Depth in Feet scaled 1:240

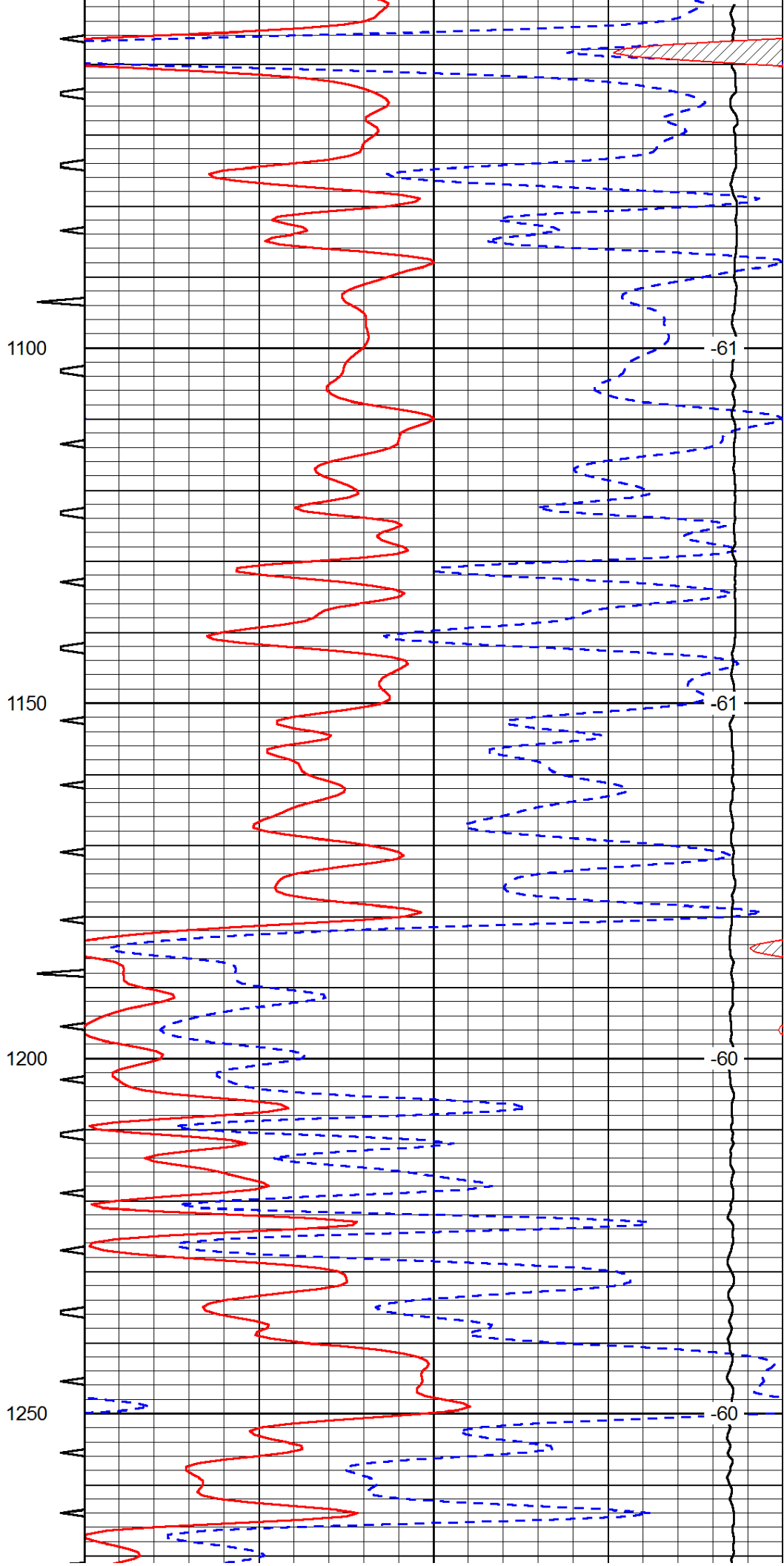
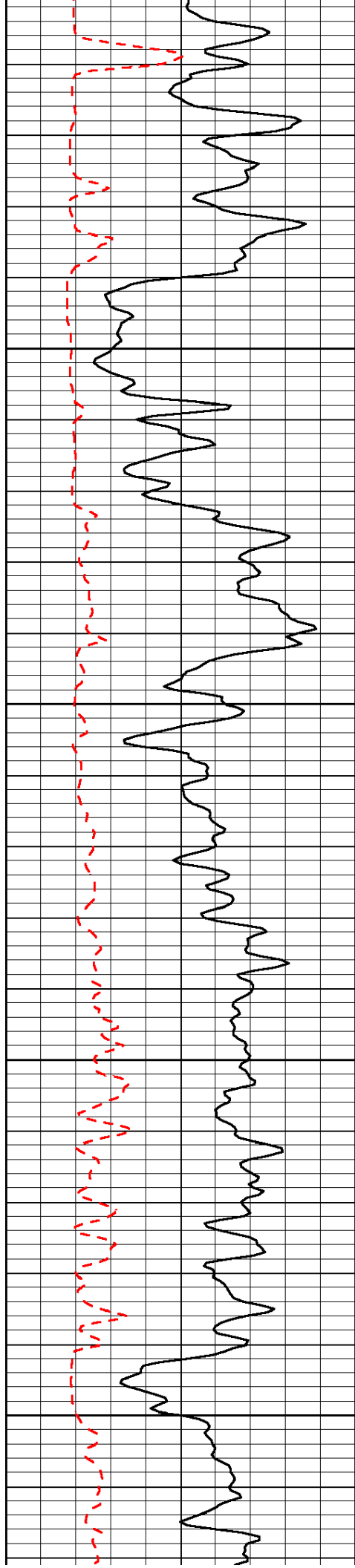
Charted by:		Depth in Feet scaled 1:210					
0	Gamma Ray	150	5	0	140	Delta Time (usec/ft)	40
150	Gamma Ray	300			30	SPOR	-10
6	Caliper (GAPI)	16			15000	LTEN (lb)	0
							LSPD

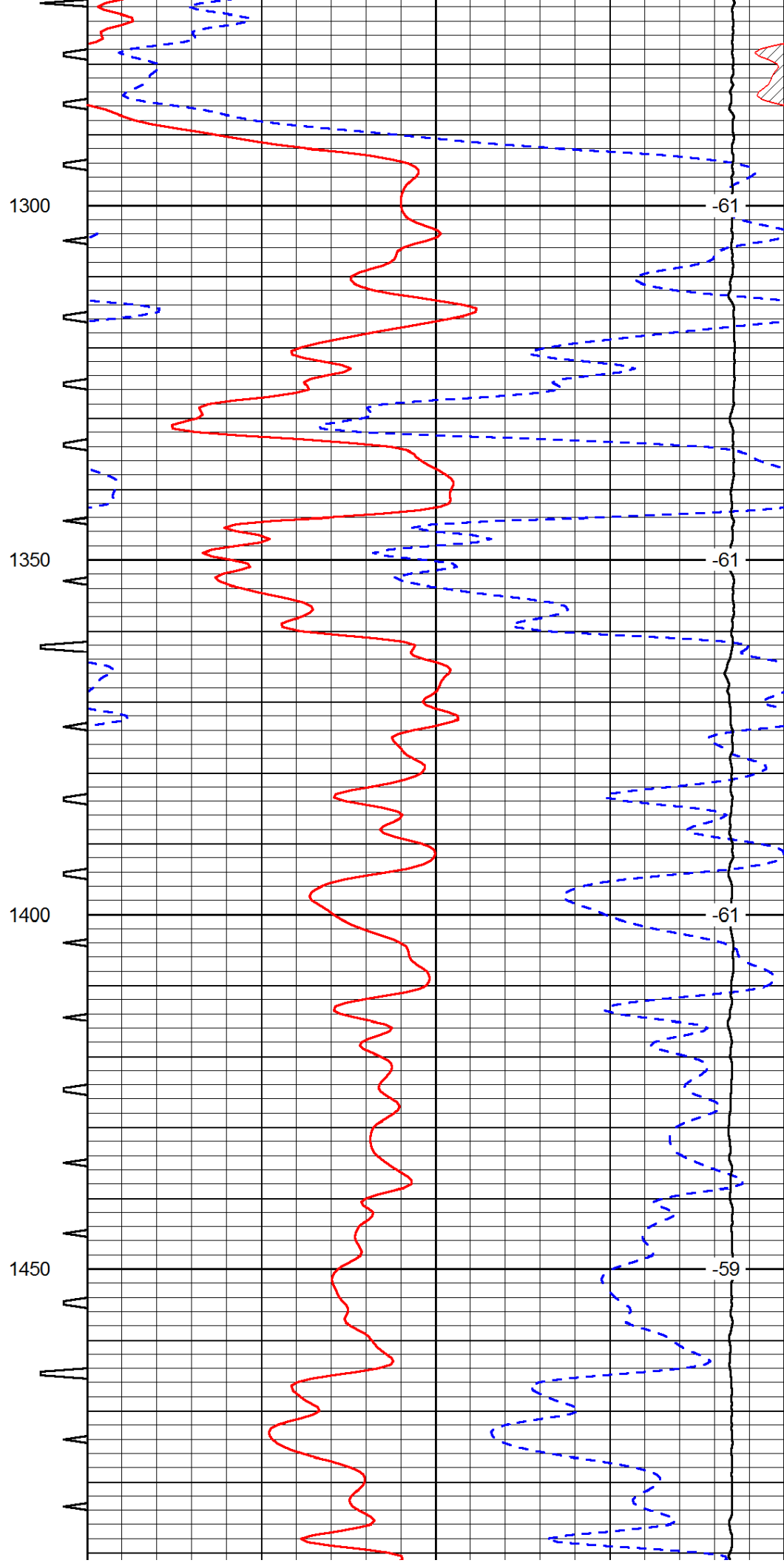
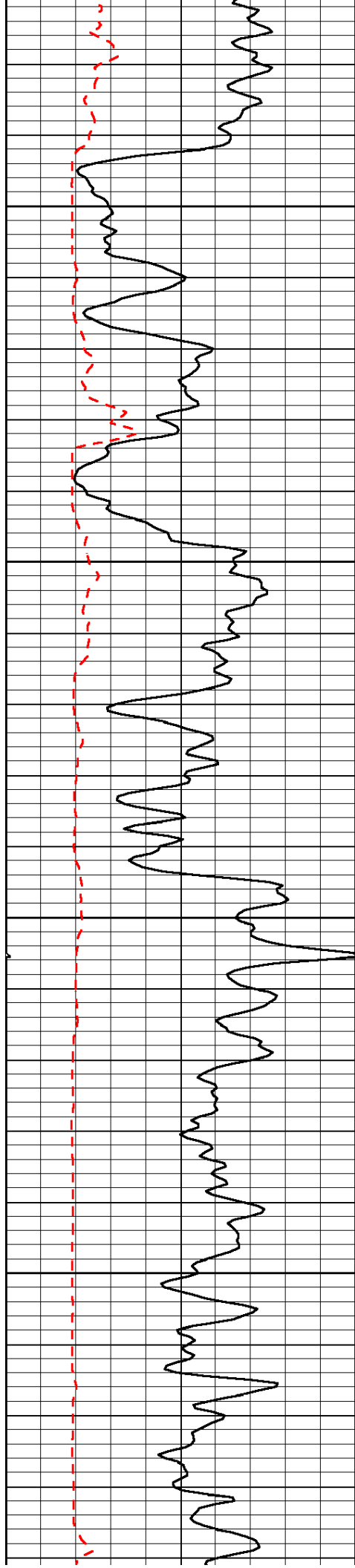


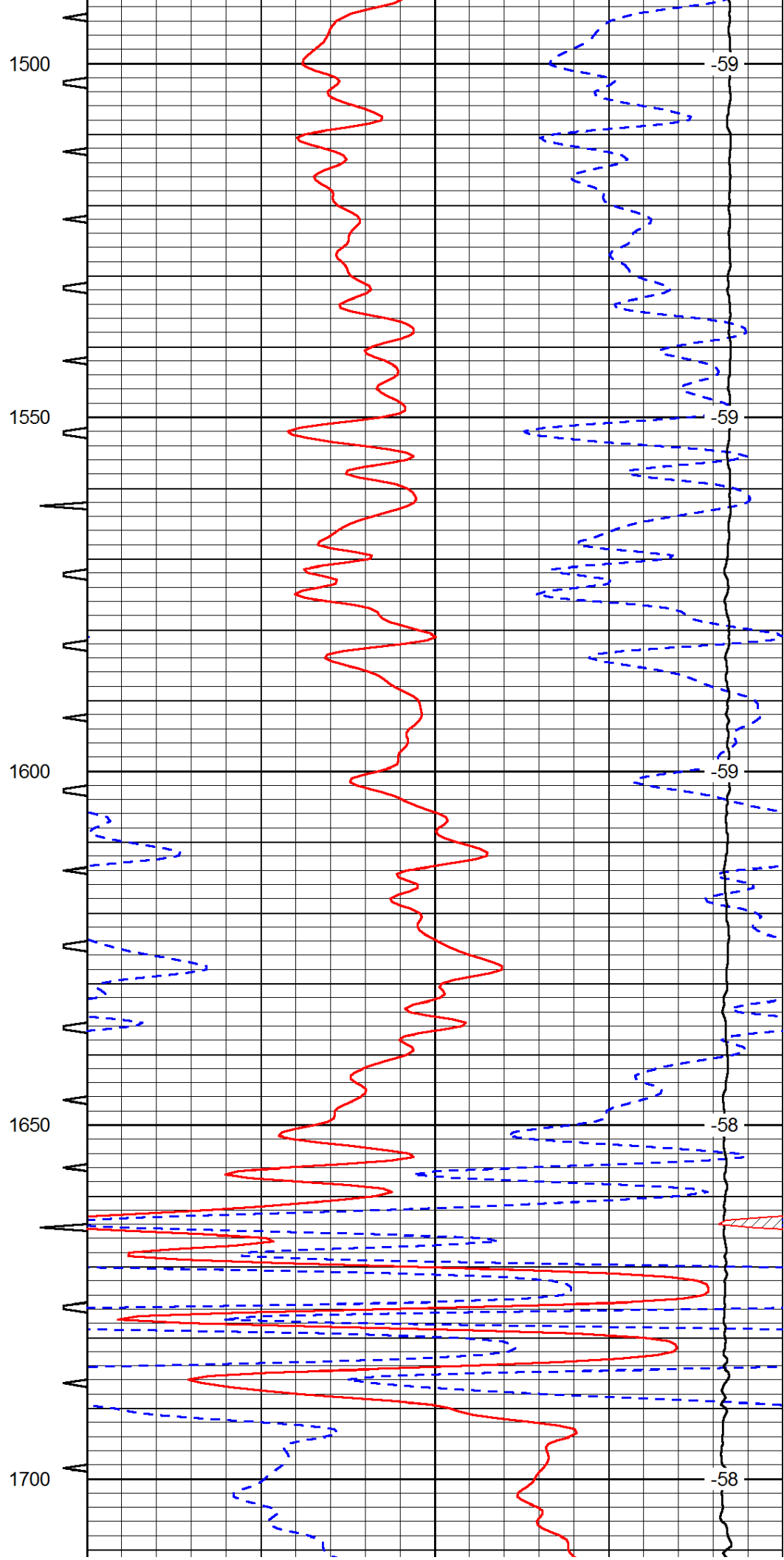
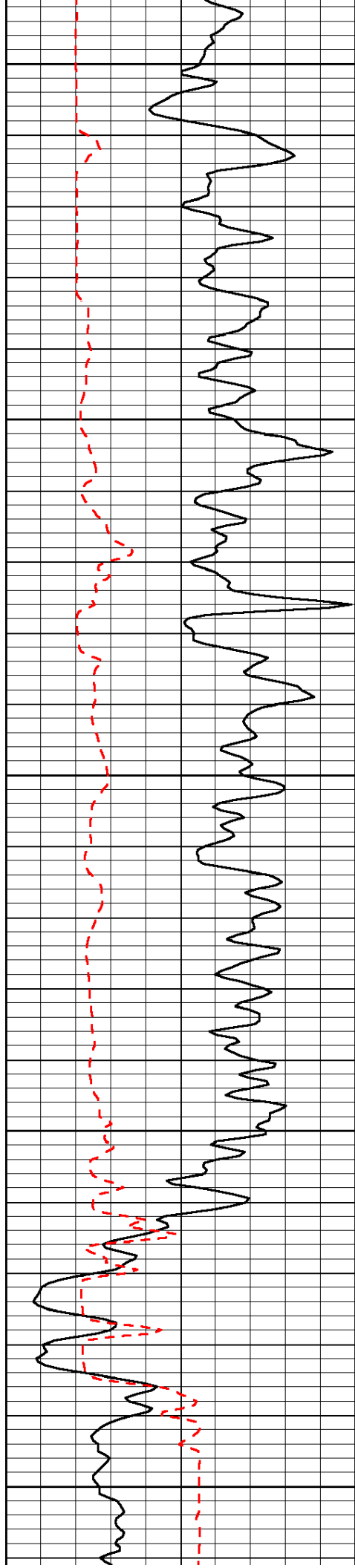


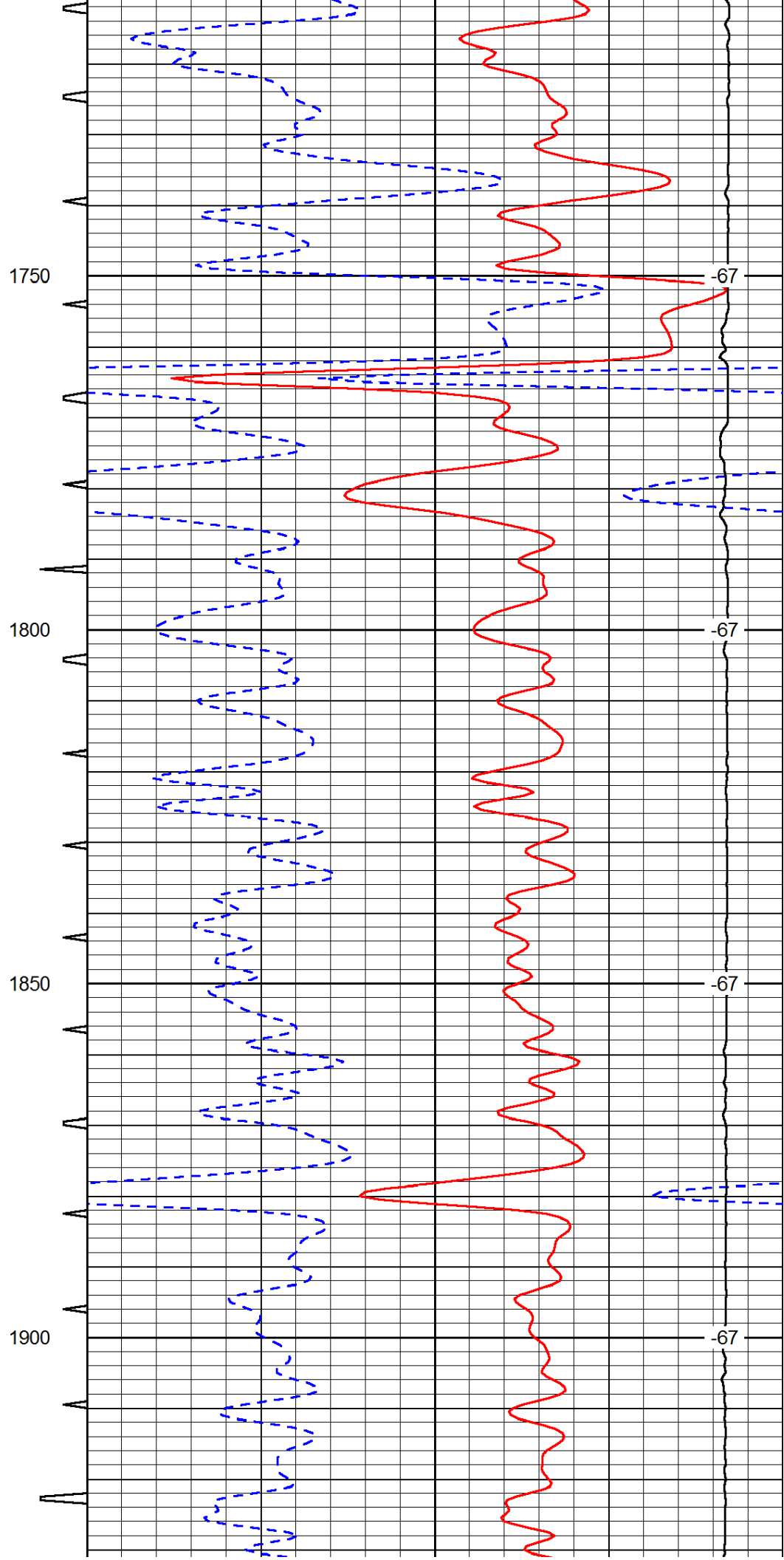
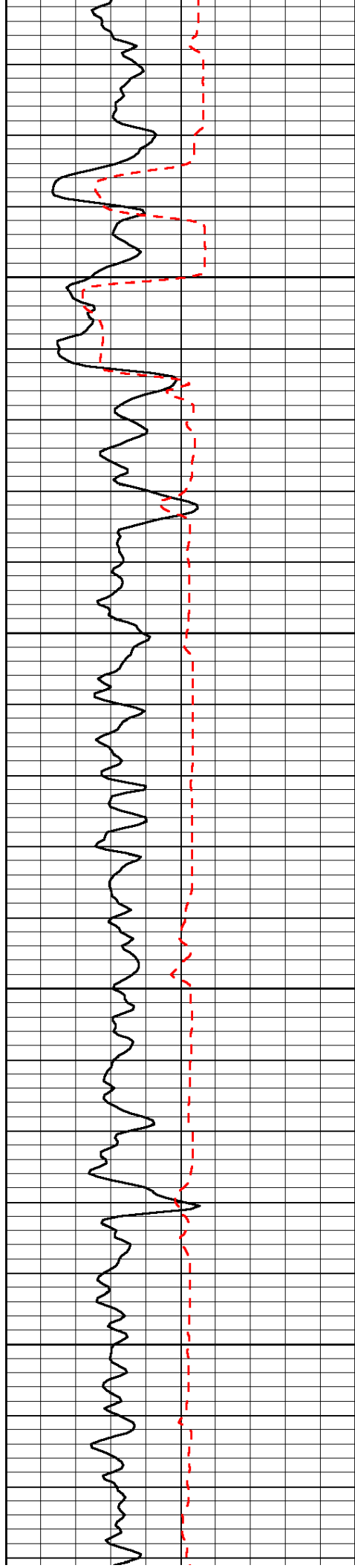


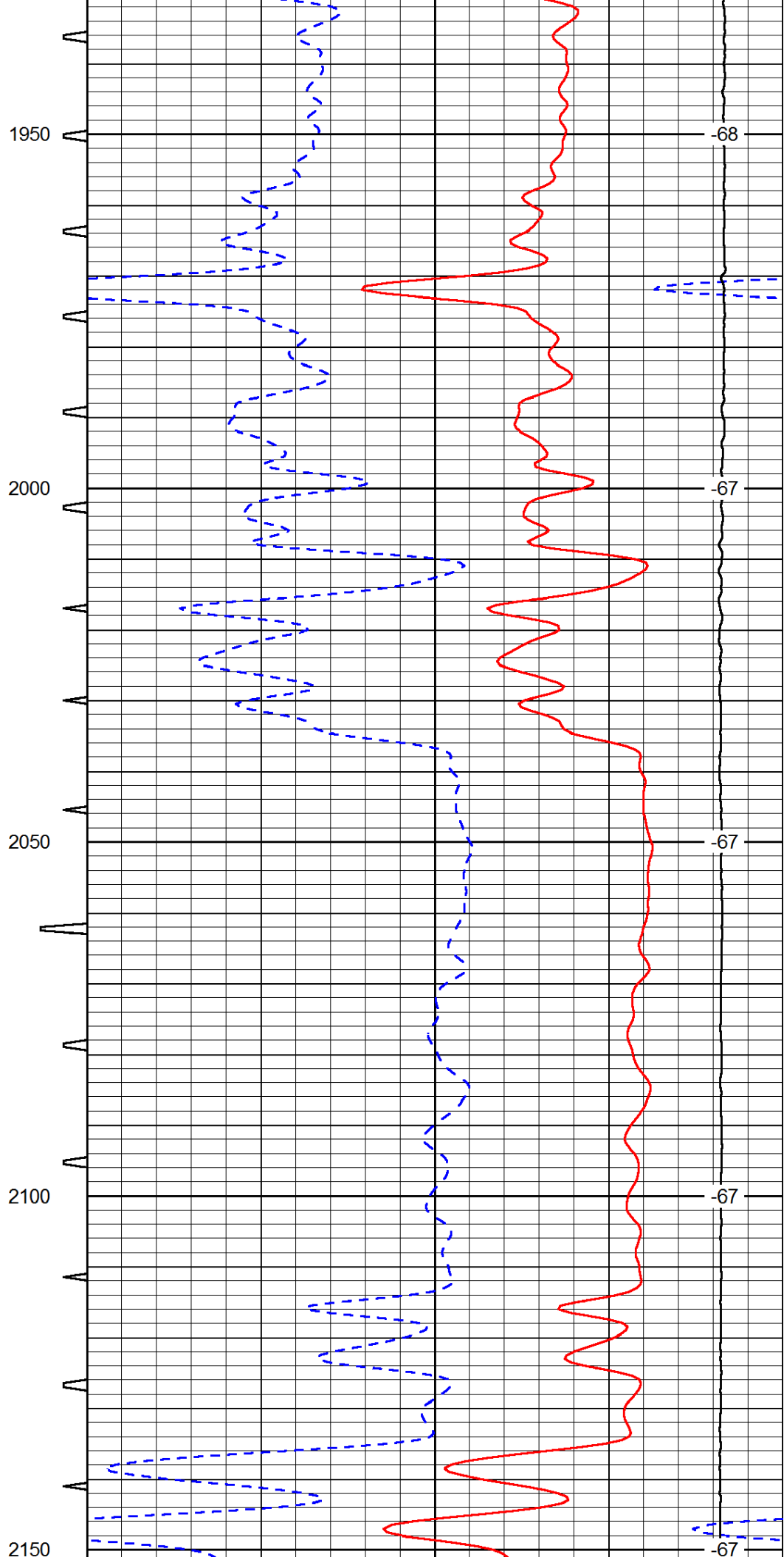
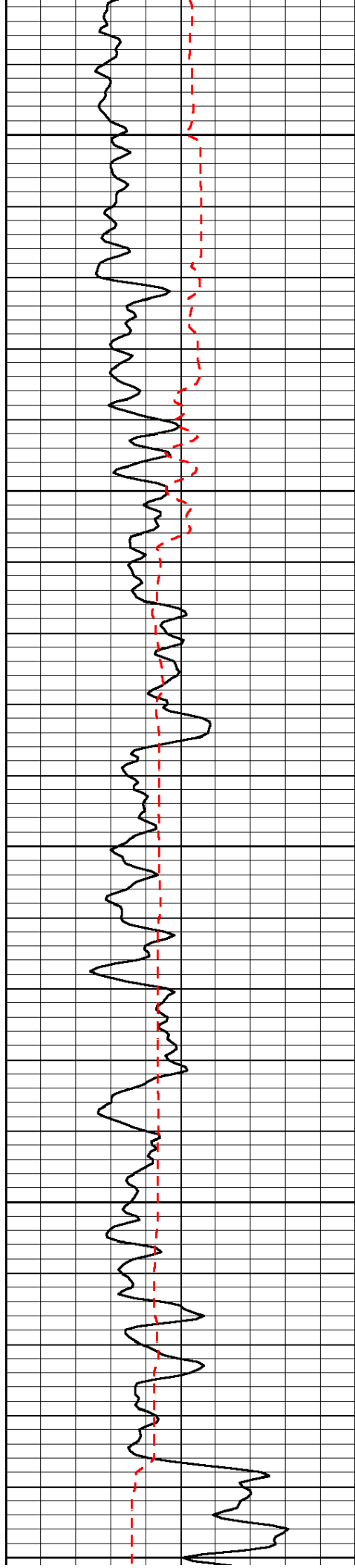


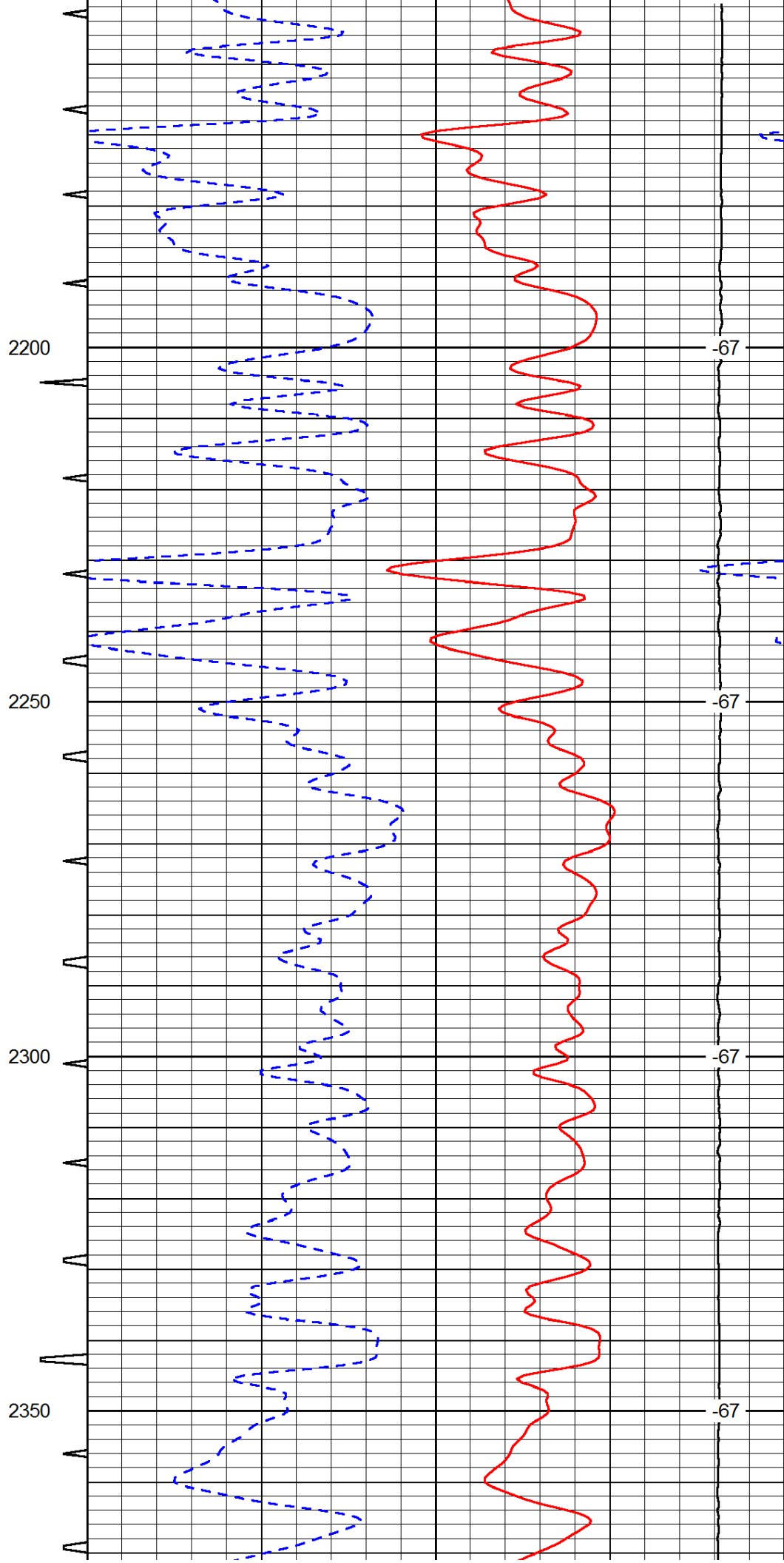
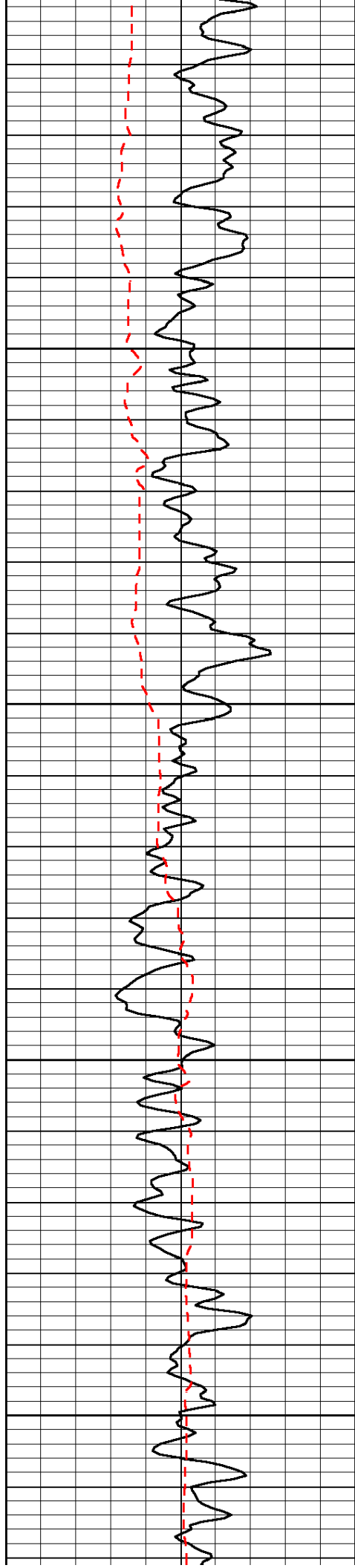


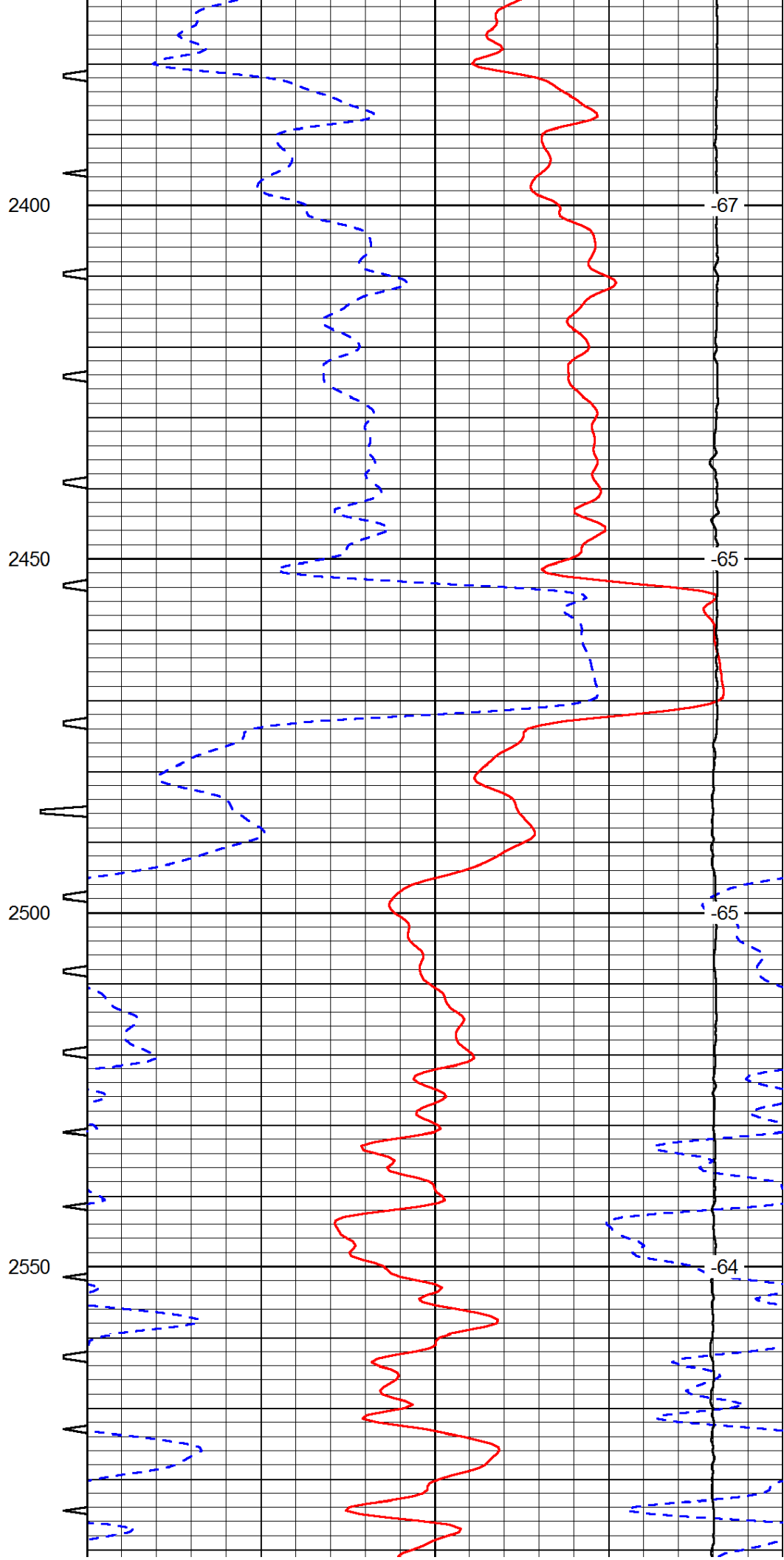
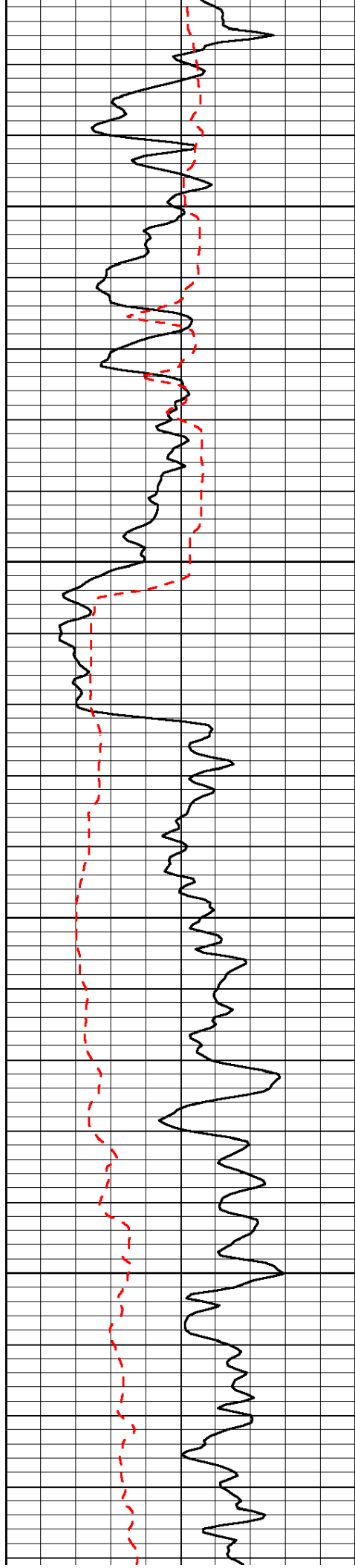


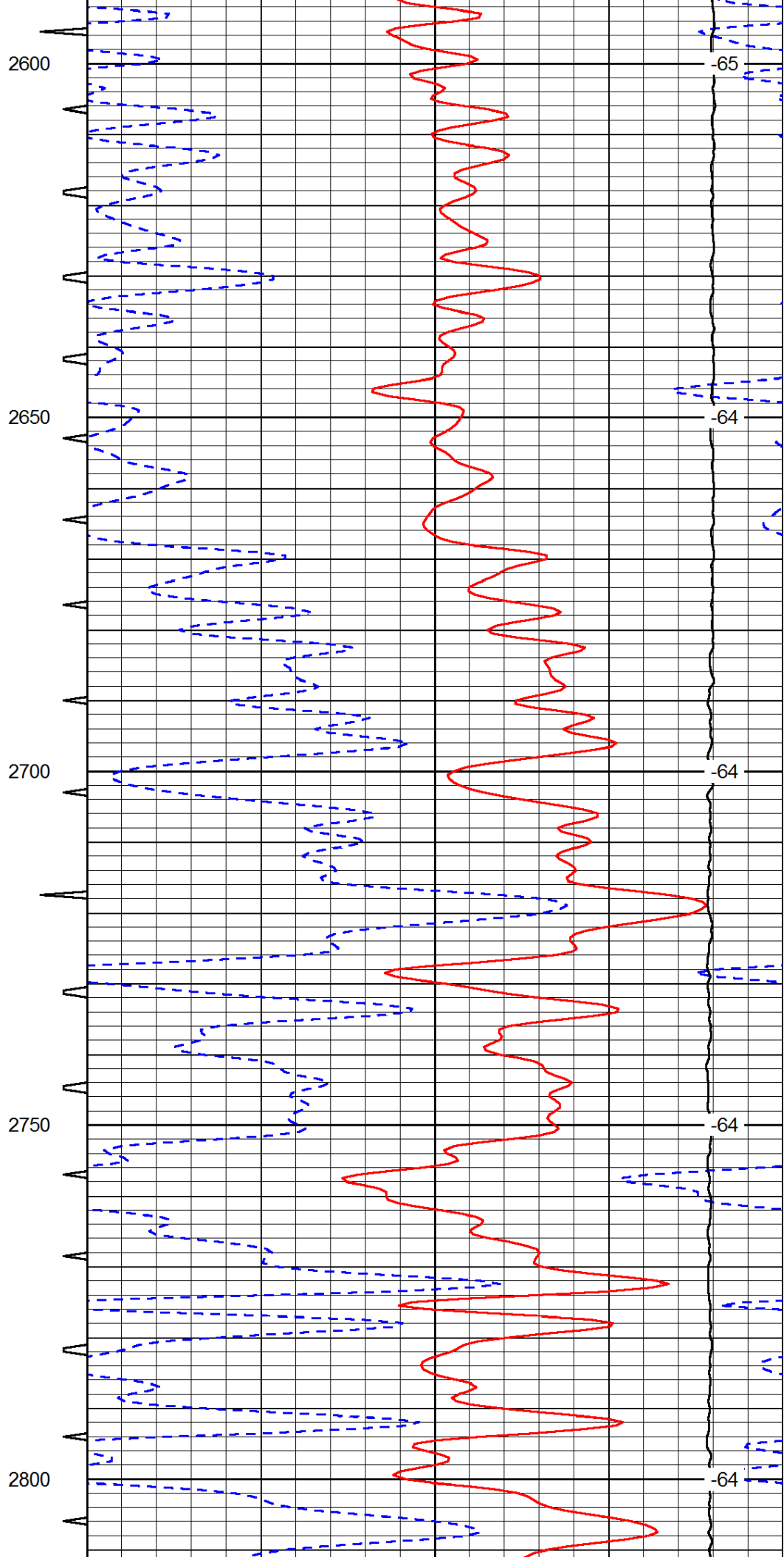
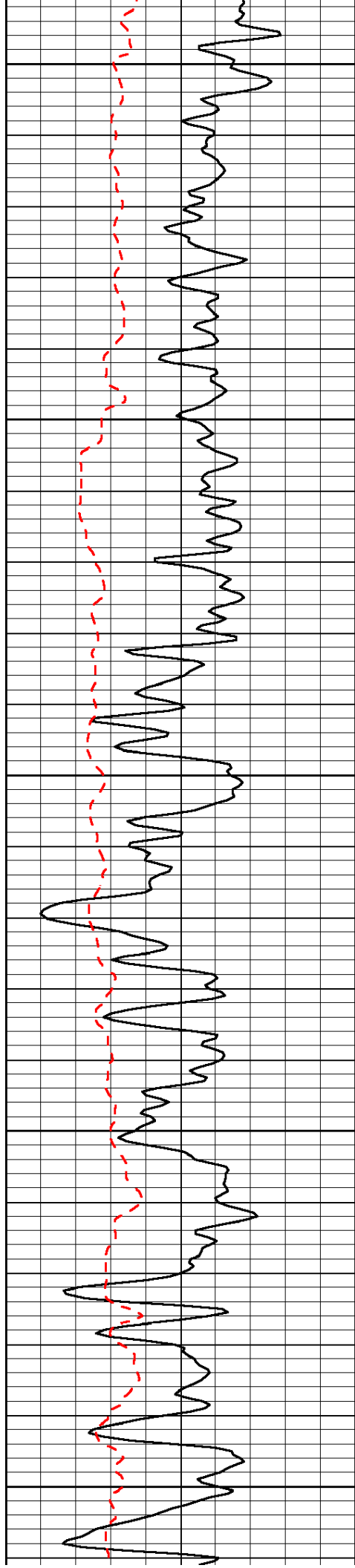


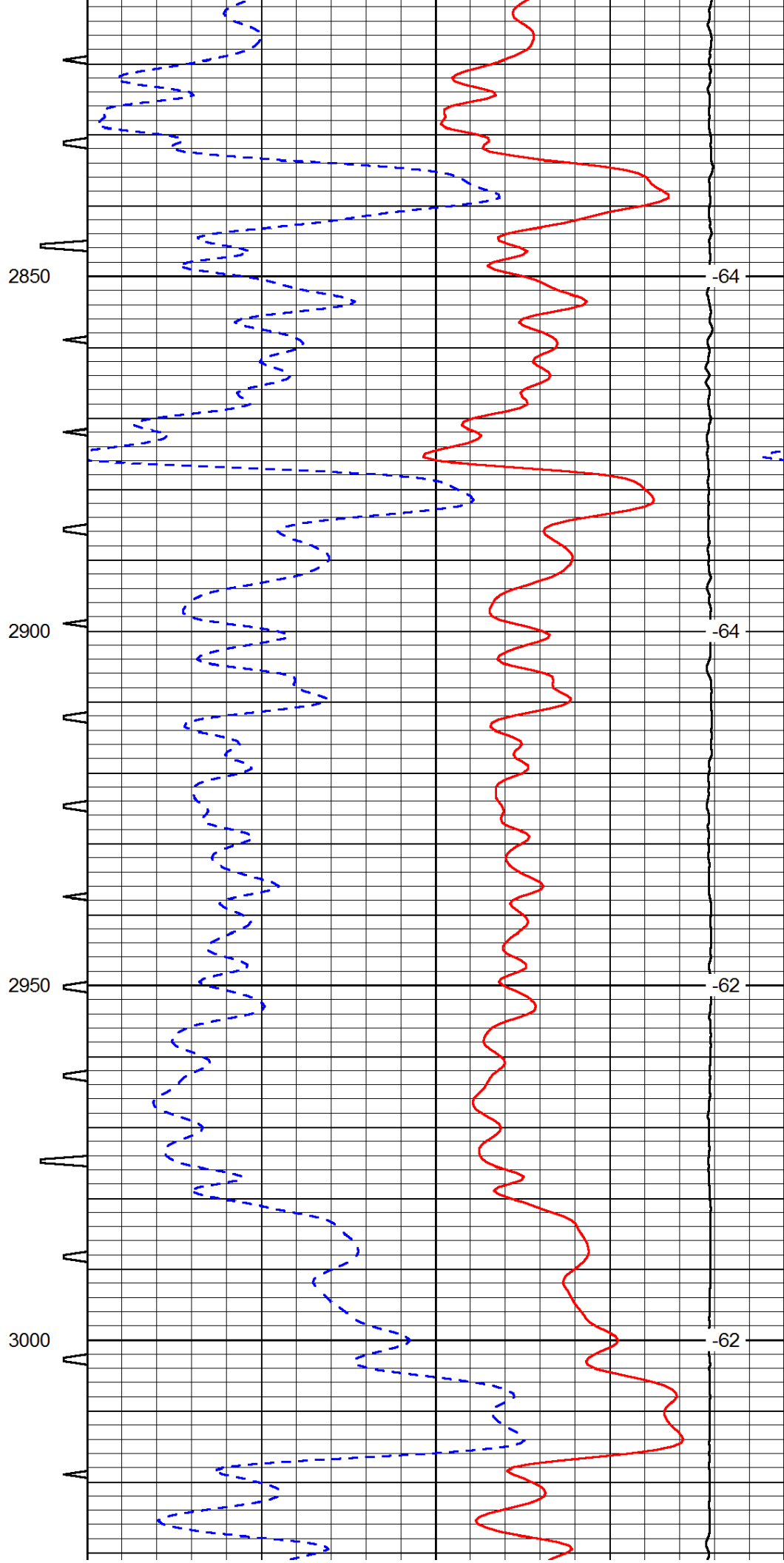
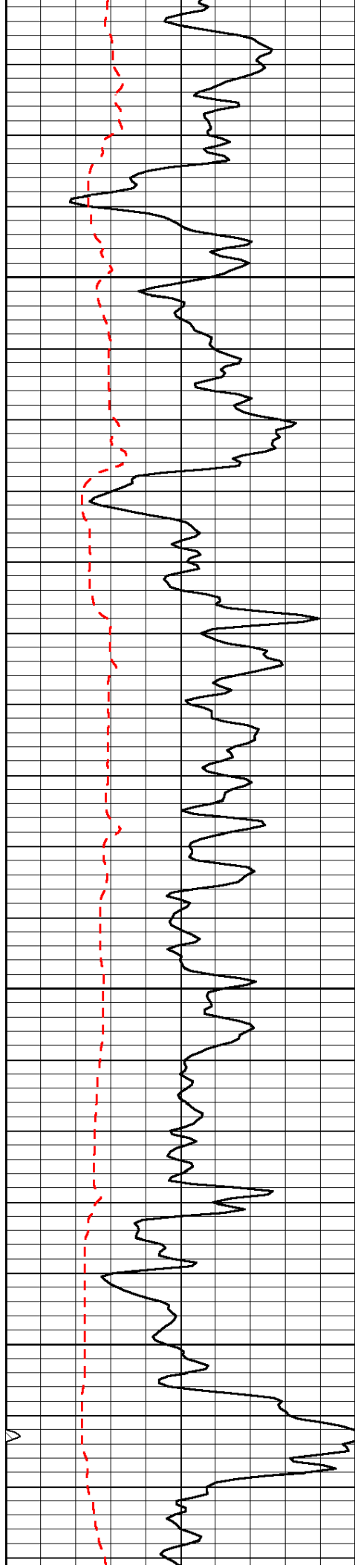


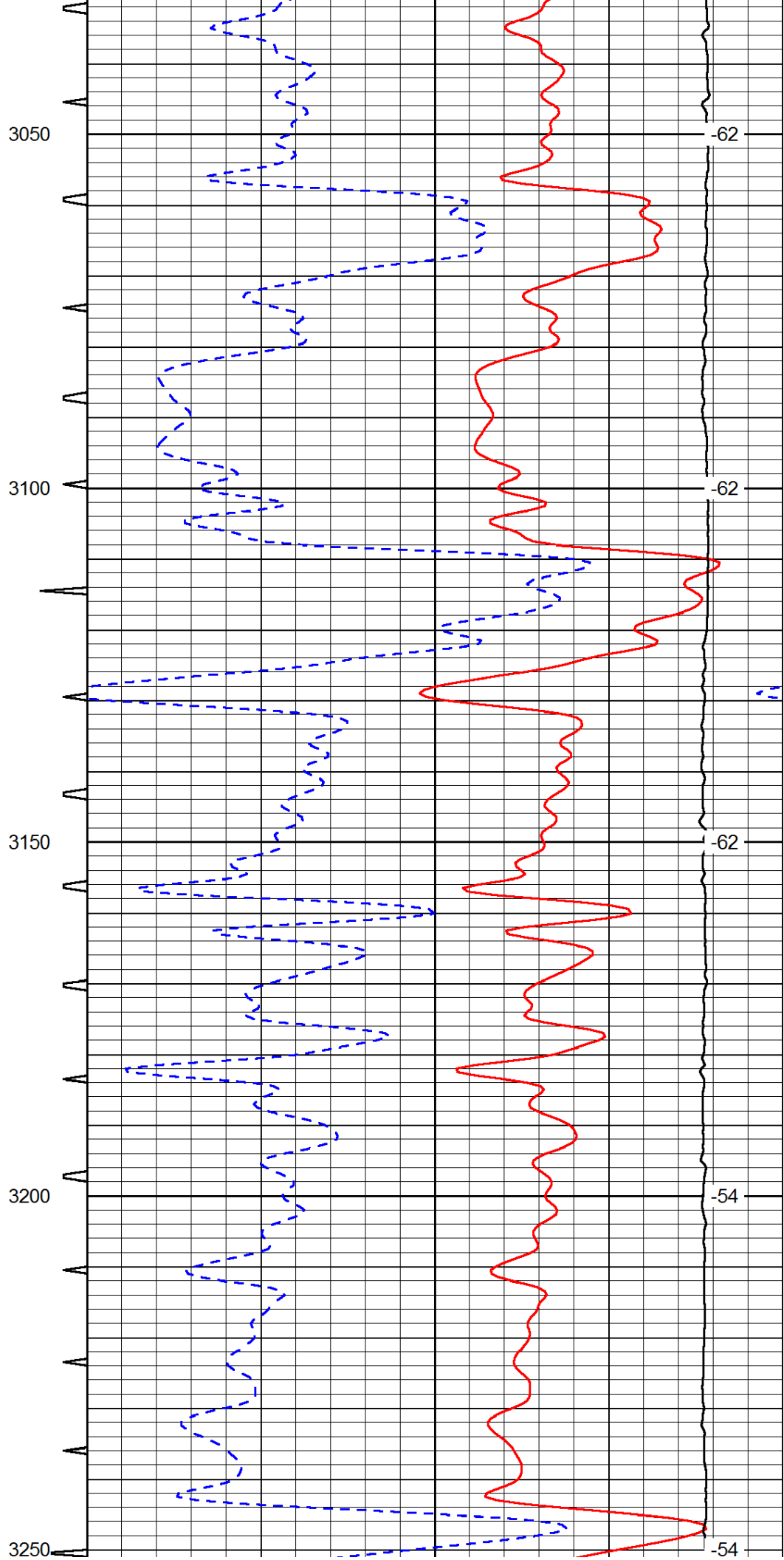
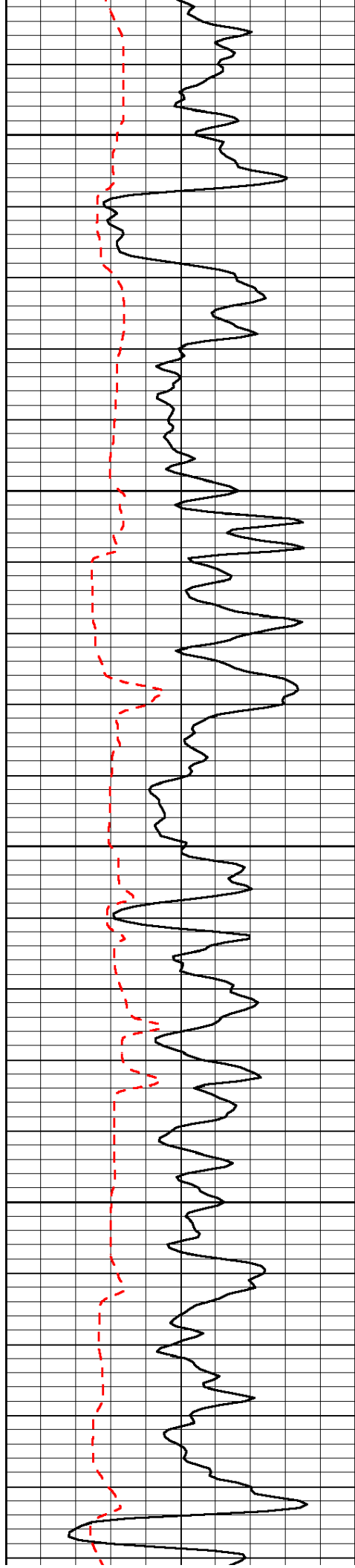


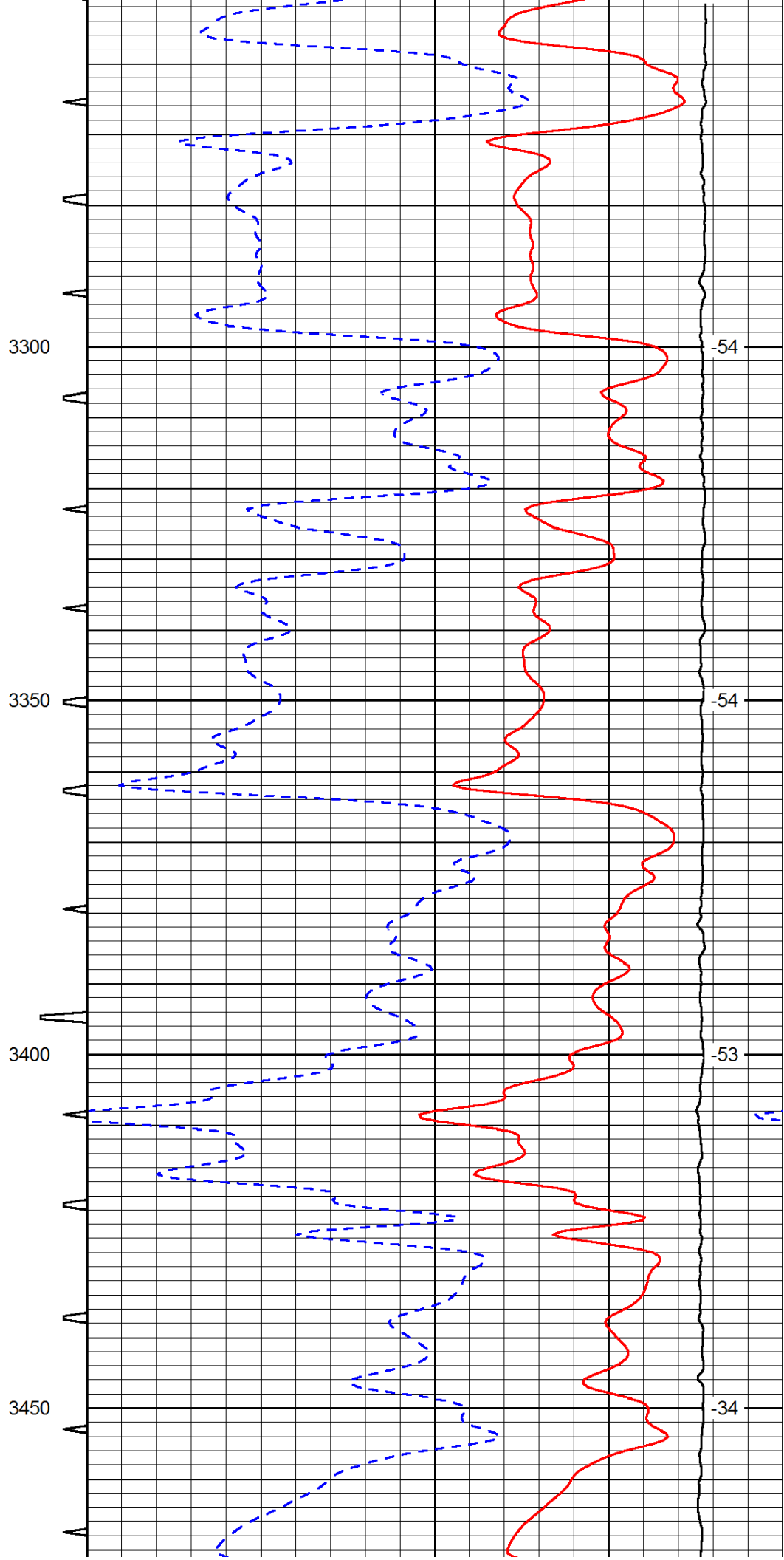
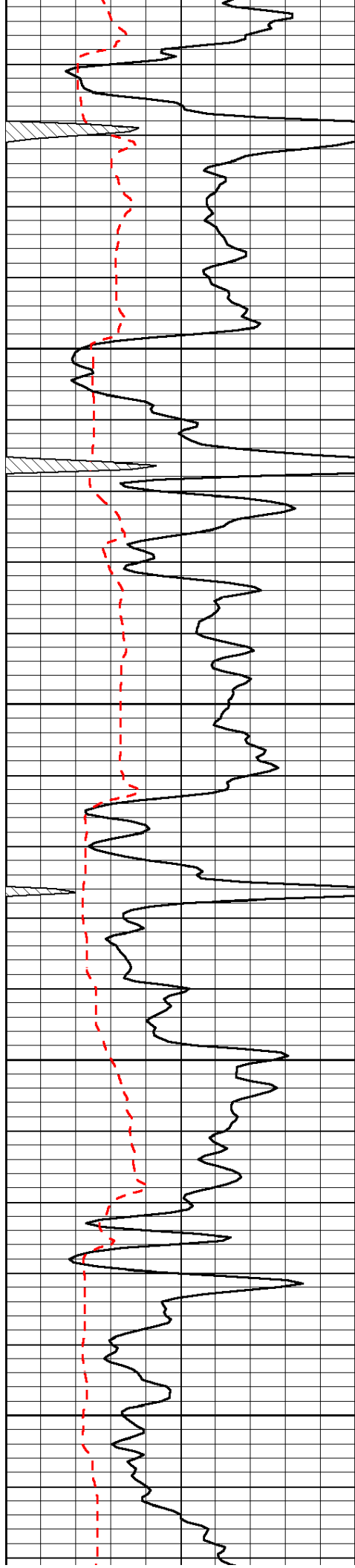


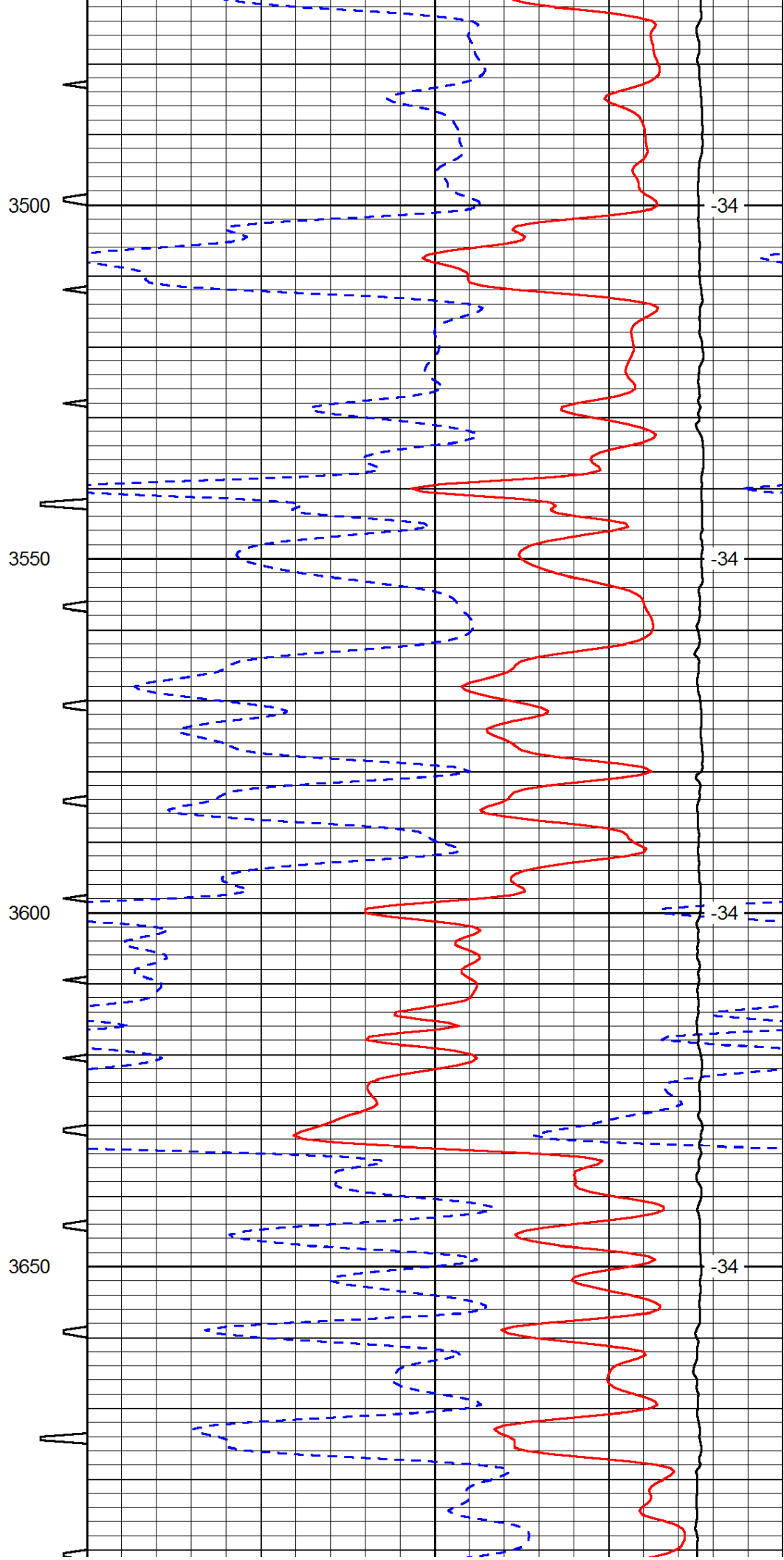
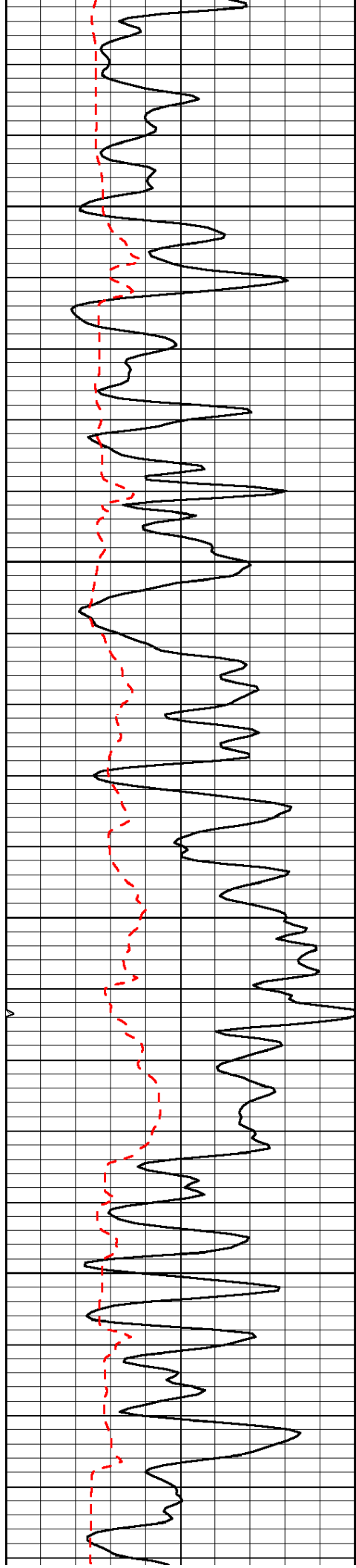


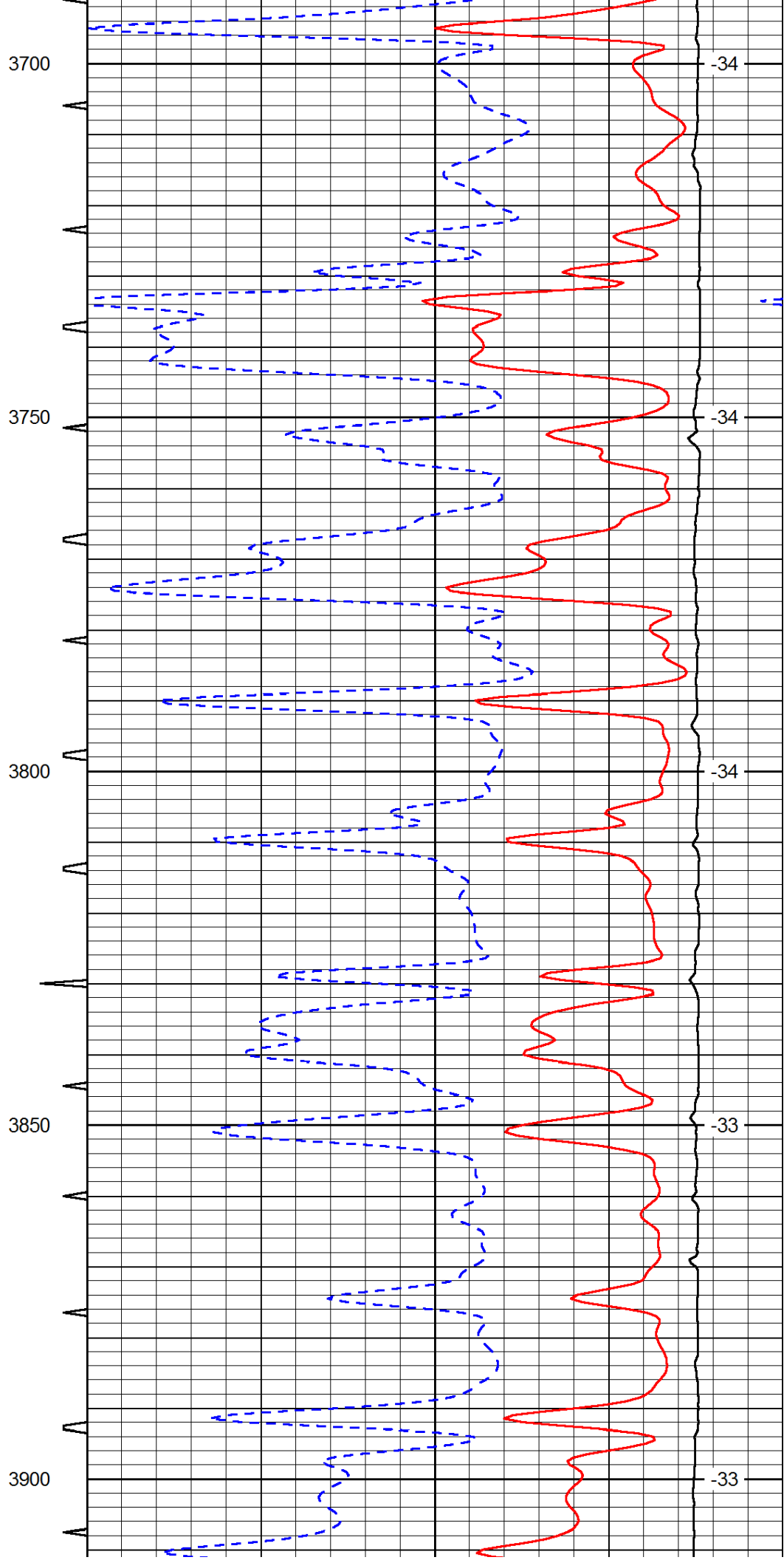
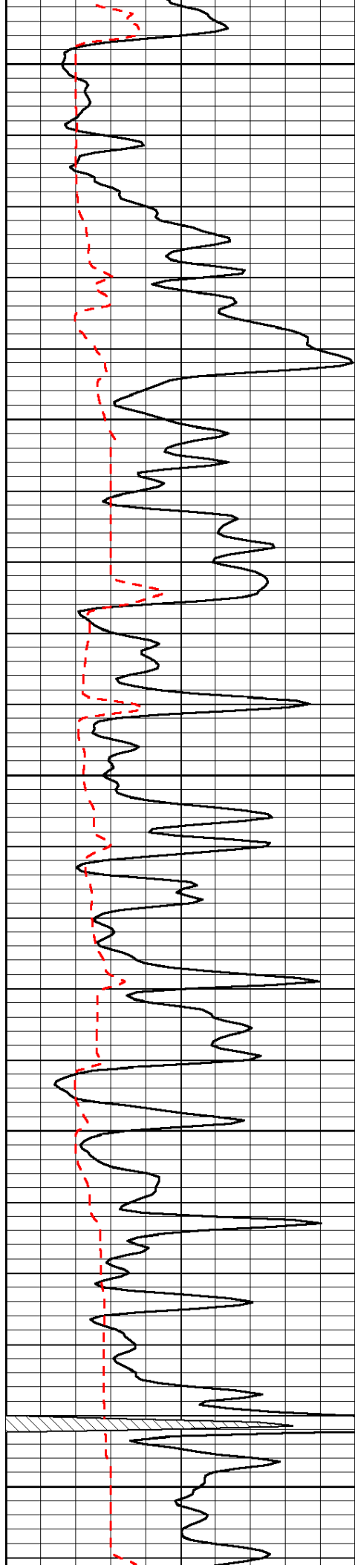


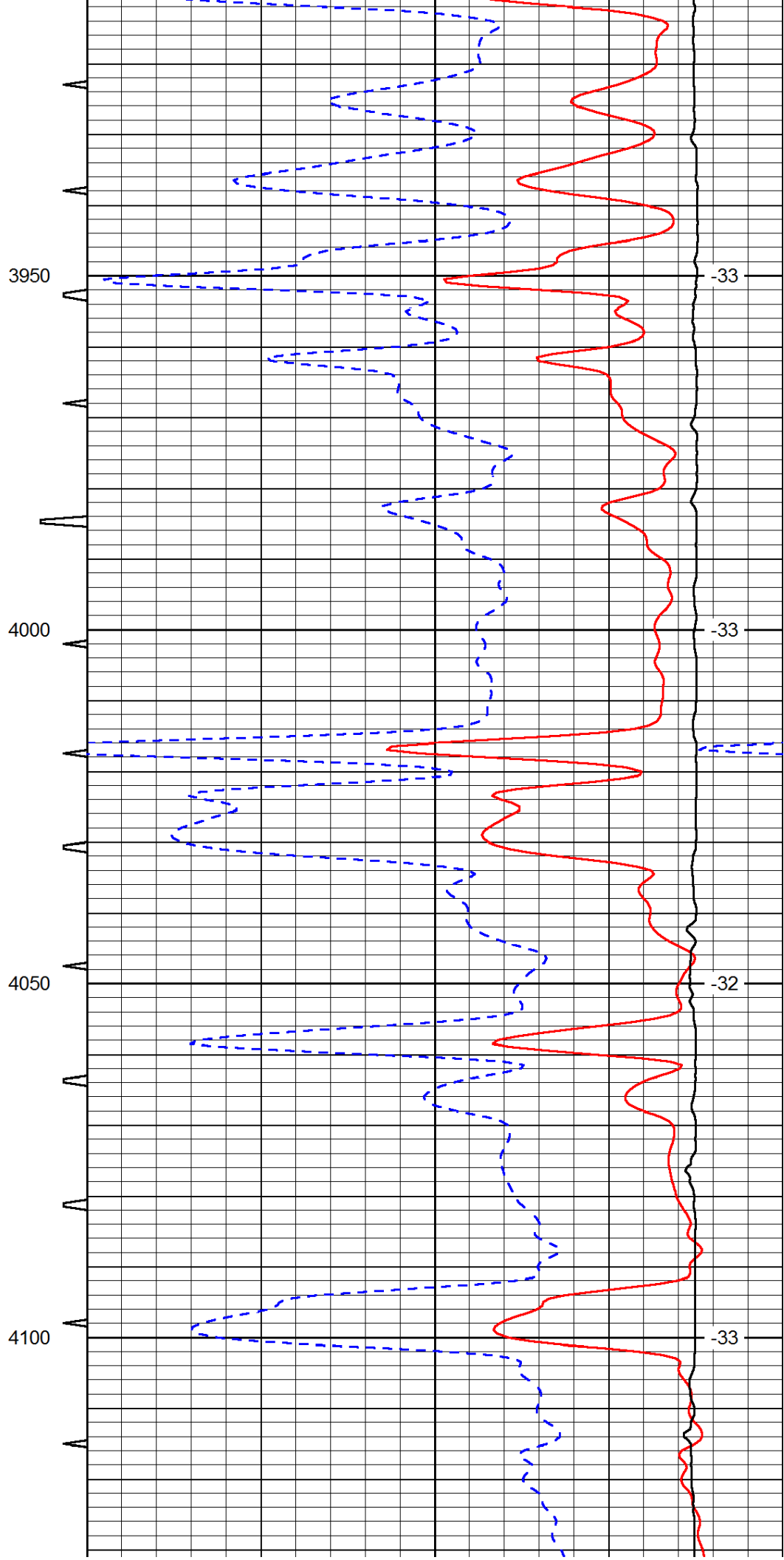
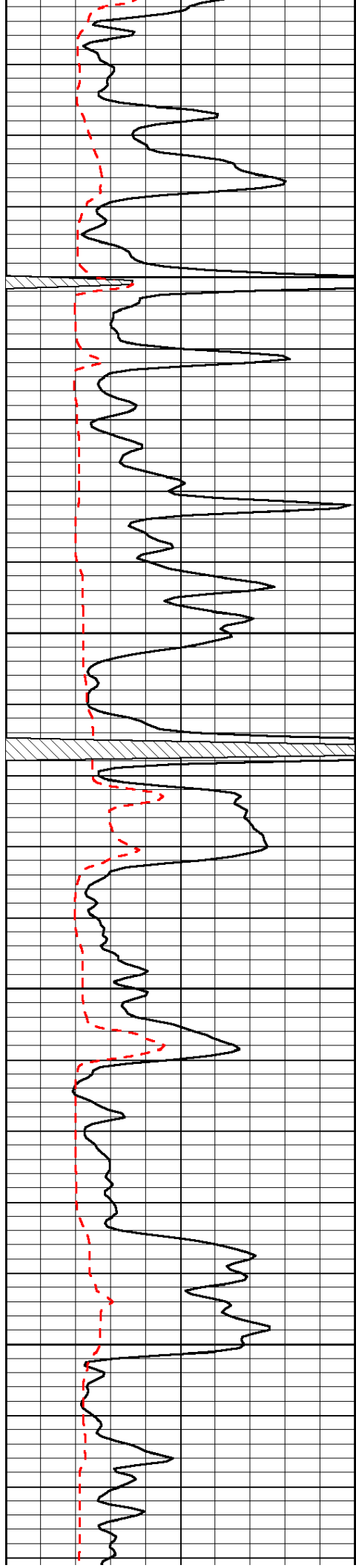


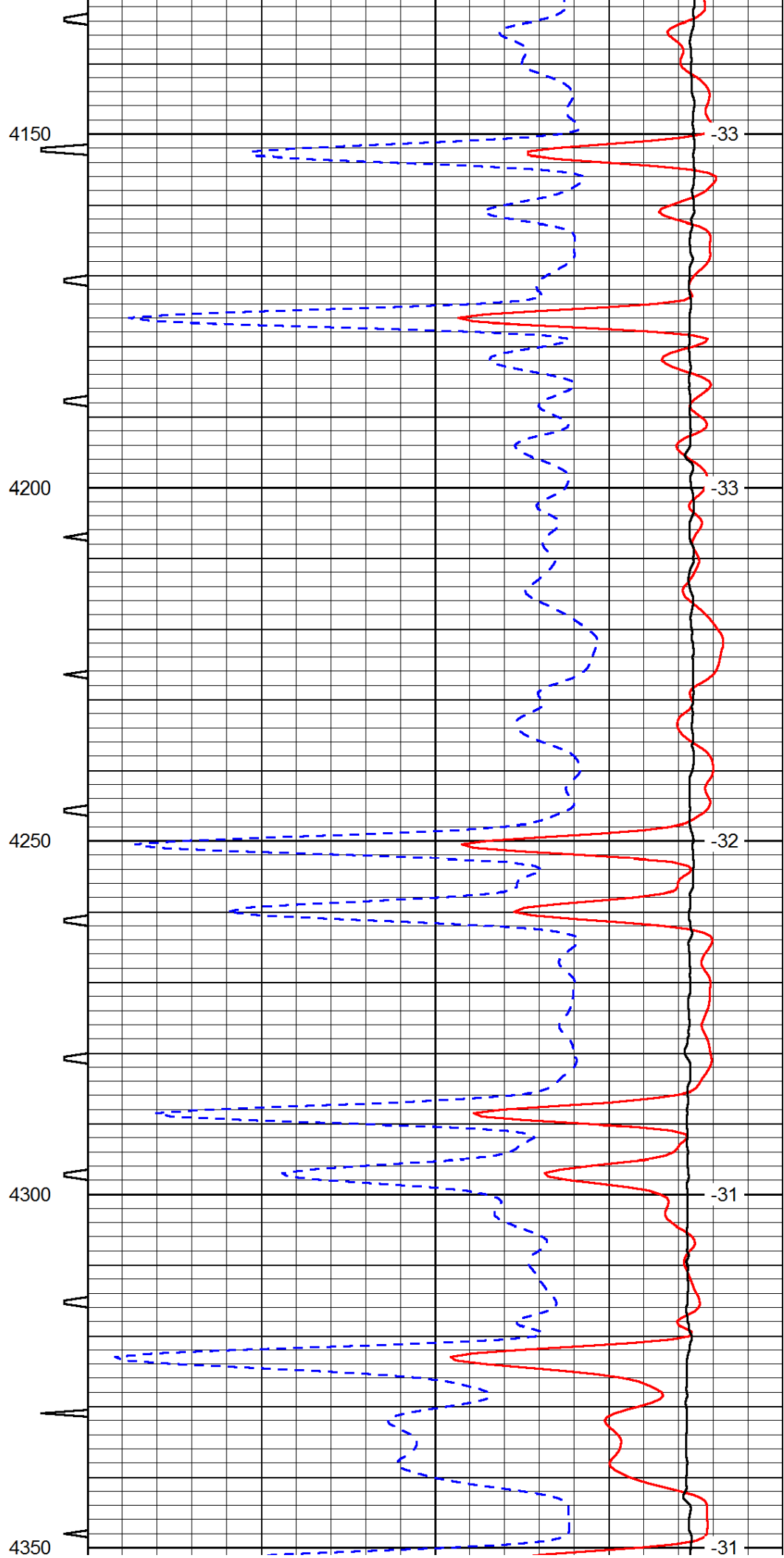
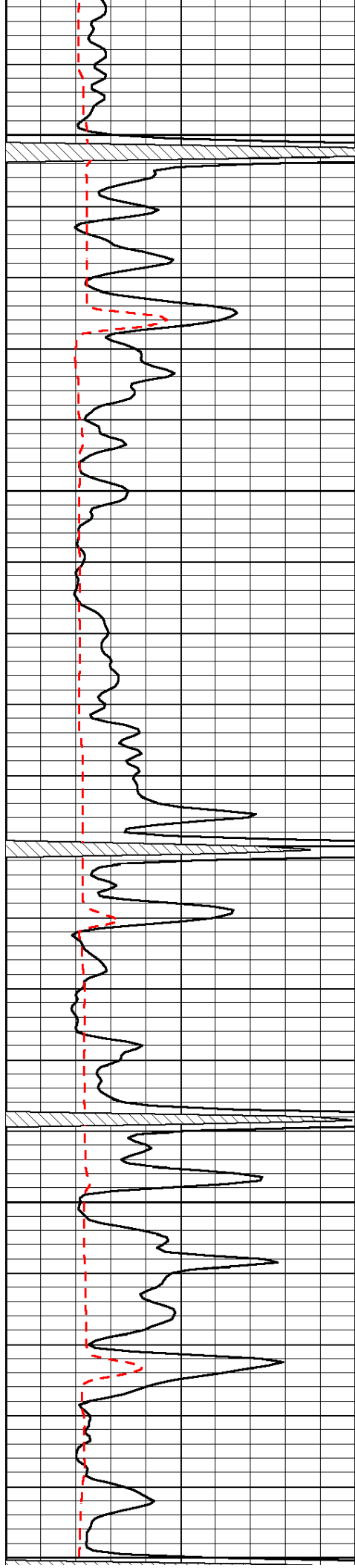


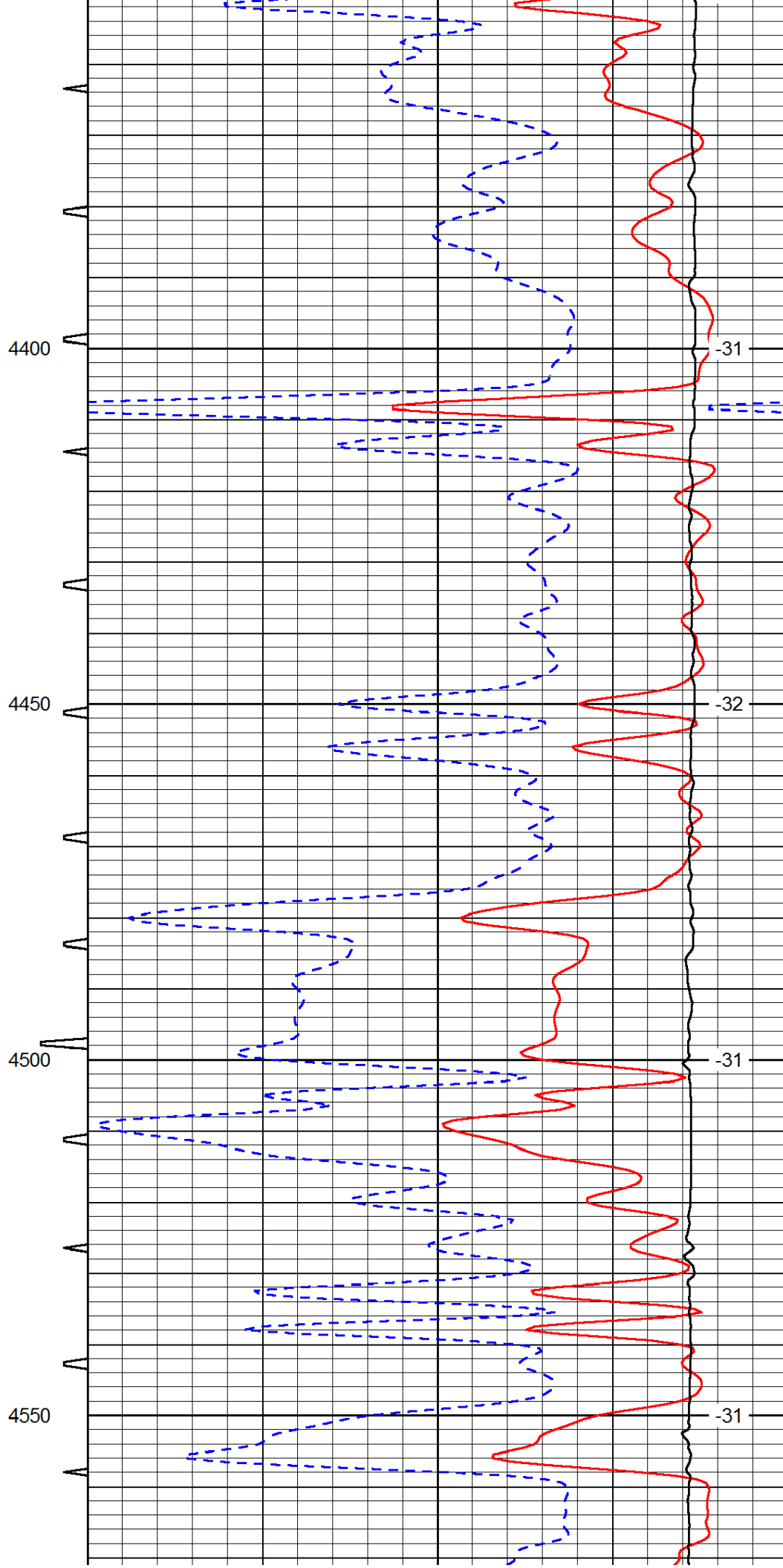
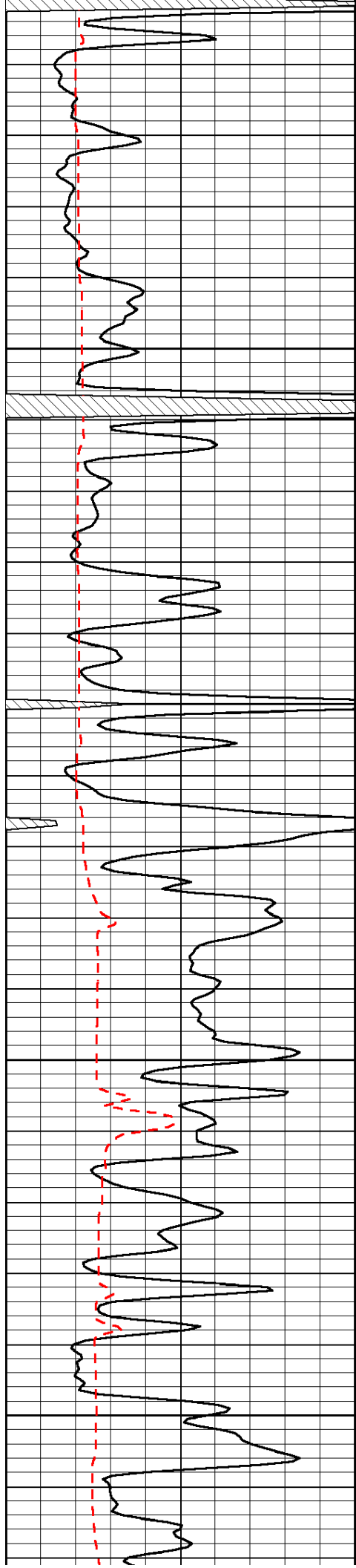


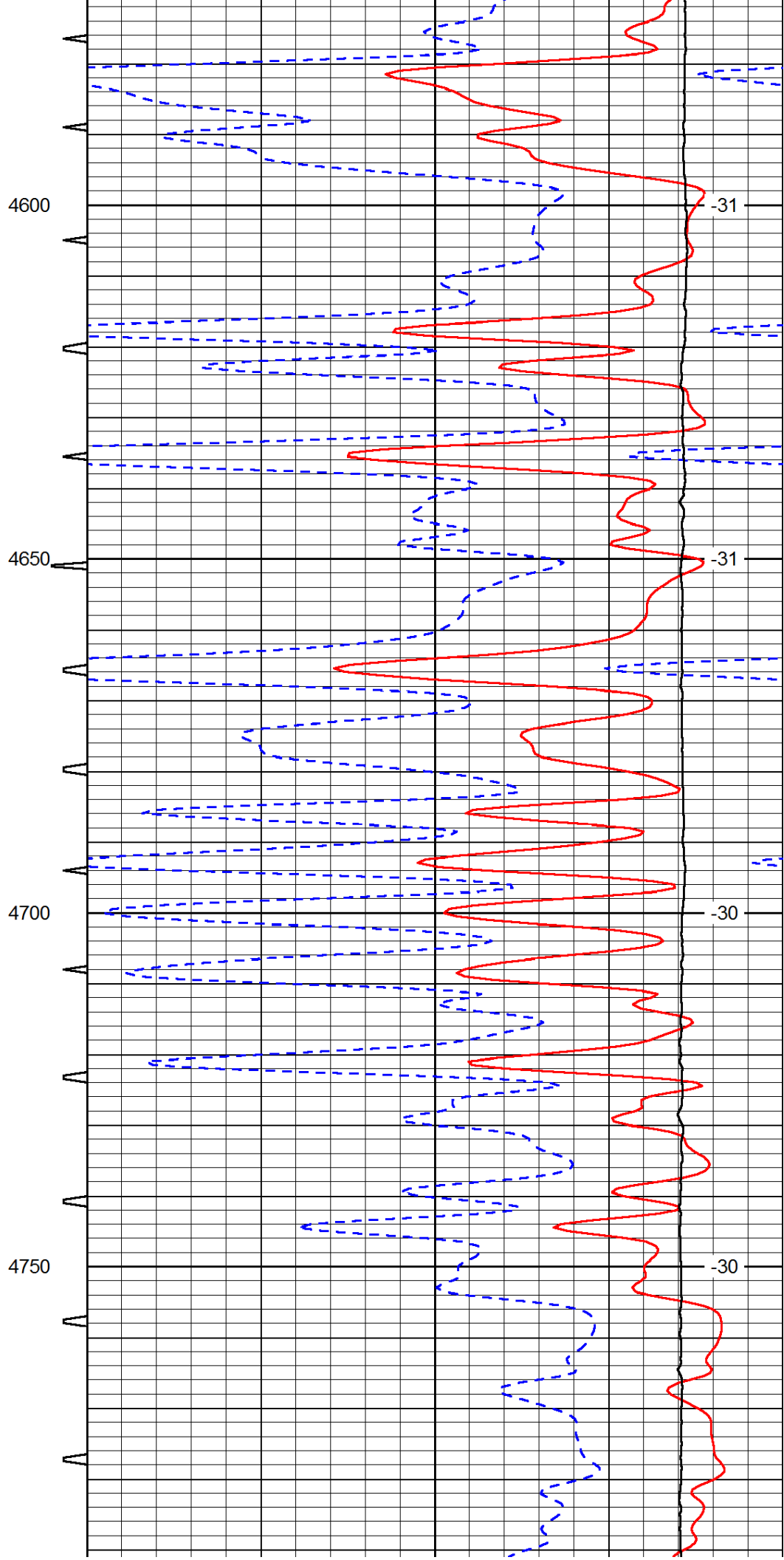
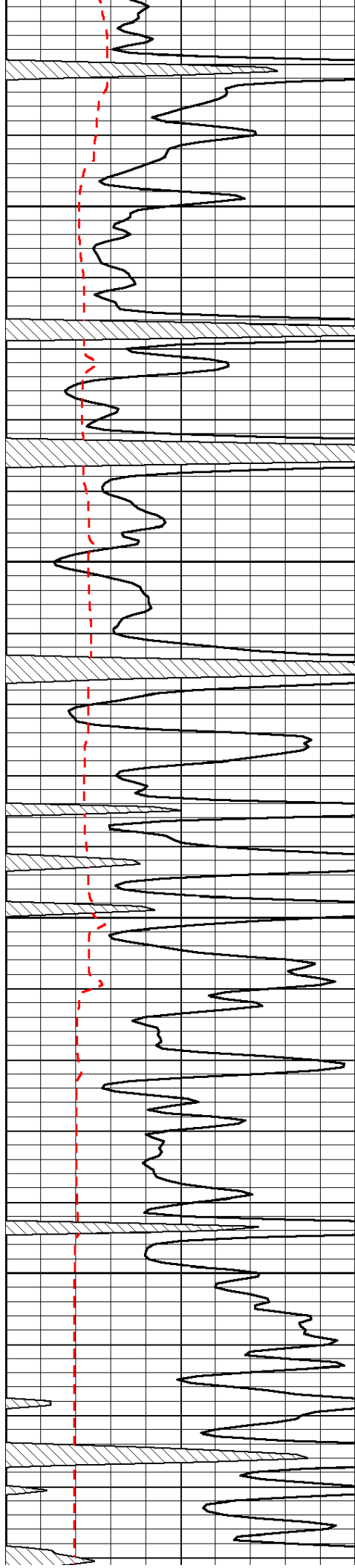


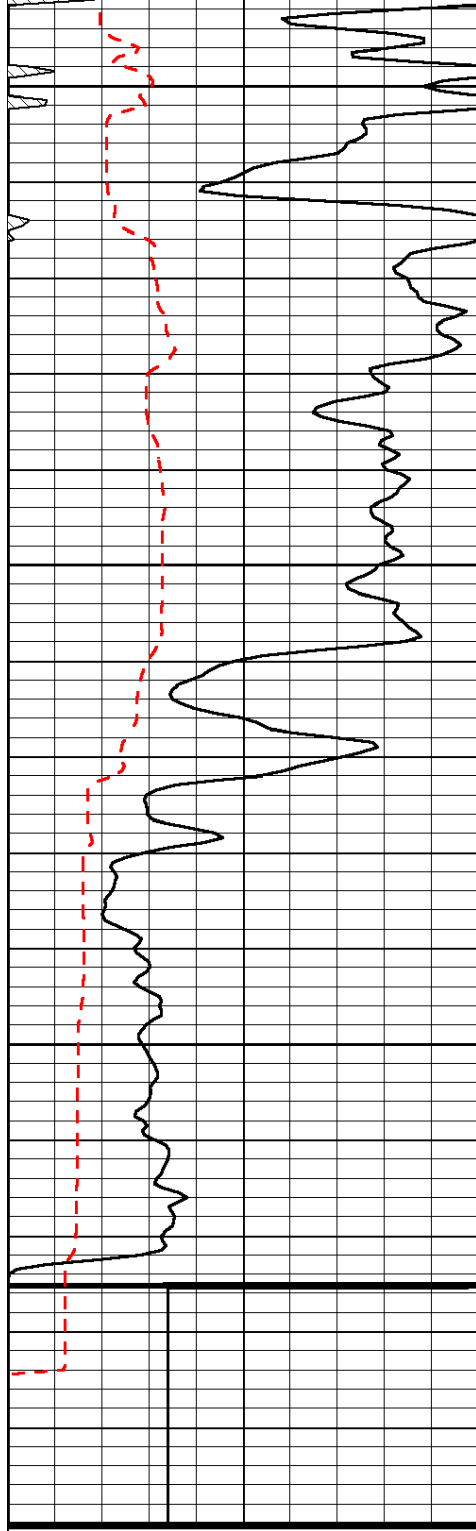




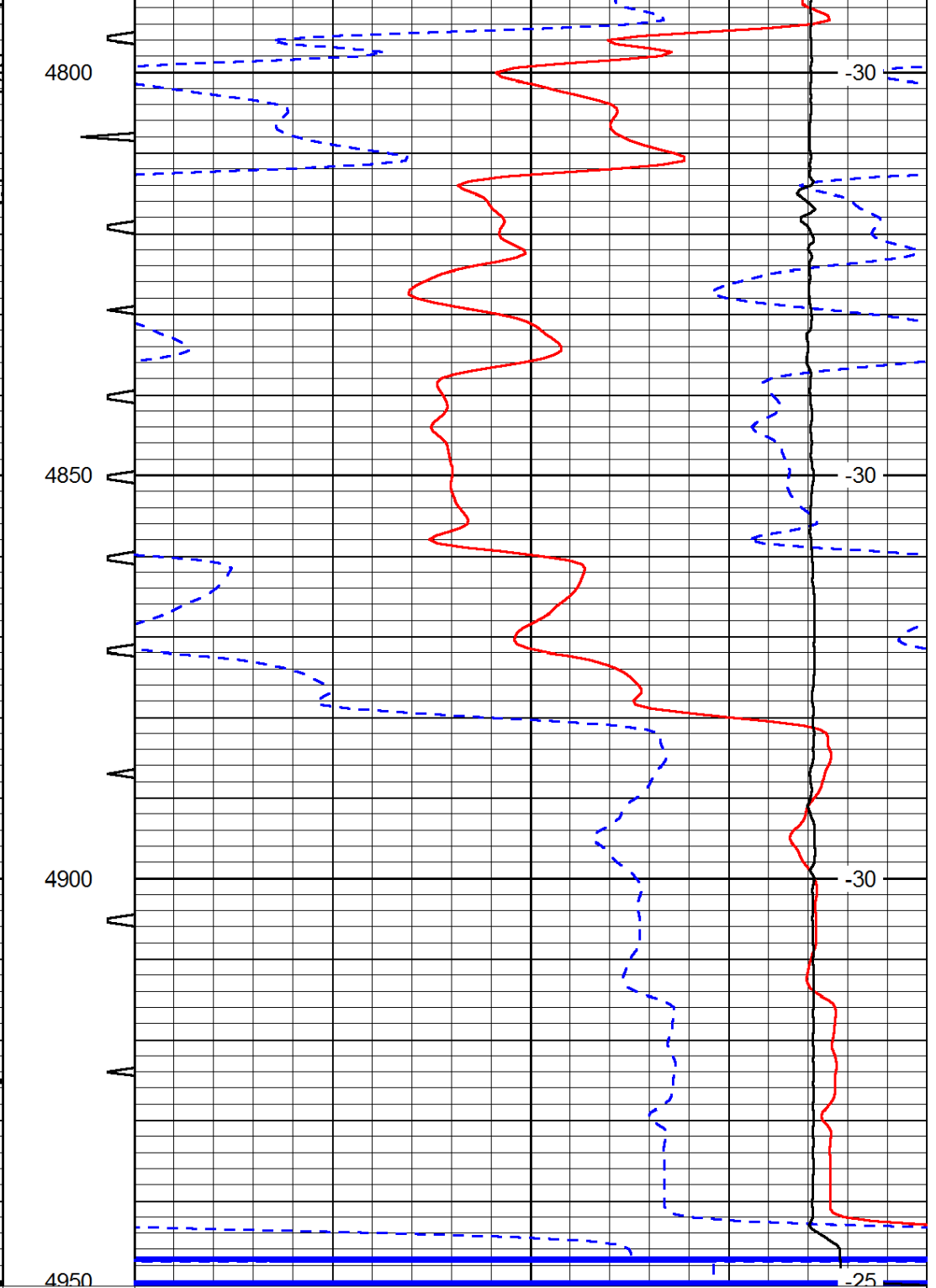








0	Gamma Ray	150
150	Gamma Ray	300
6	Caliper (GAPI)	16



4950	Sonic Int	140	Delta Time (usec/ft)	40
5	0	30	SPOR	-10
		15000	LTEN (lb)	0

LSPD