



Pioneer Energy Services

Borehole Compensated Sonic Log

15-009-25956-00-00

Company **K-Bar Oil**
Well **Joanie #4**
Field **Chase-Silica**
County **Barton** State **Kansas**

Location **405' FNL' & 1091' FWL**
Sec: **3** Twp: **20S** Rge: **11W**

Other Services
CNL/CDL
MEL/DIL

Permanent Datum **Ground Level** Elevation **1774**
Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

Elevation
K.B. 1779
D.F. 1774
G.L. 1774

Date **4/6/2014**

Run Number **Two**

Type Log **BHC Sonic**

Depth Driller **3390**

Depth Logger **3388**

Bottom Logged Interval **3377**

Top Logged Interval **350**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **3000**

Density **9.1**

Level **Full**

Max. Rec. Temp. F **112**

Operating Rig Time **4 Hours**

Equipment -- Location **91 Hays**

Recorded By **D. Schmidt**

Witnessed By **Herb Deines**

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

1 12.25 00 373 8.625 24# 00 373

2 7.875 373 3390

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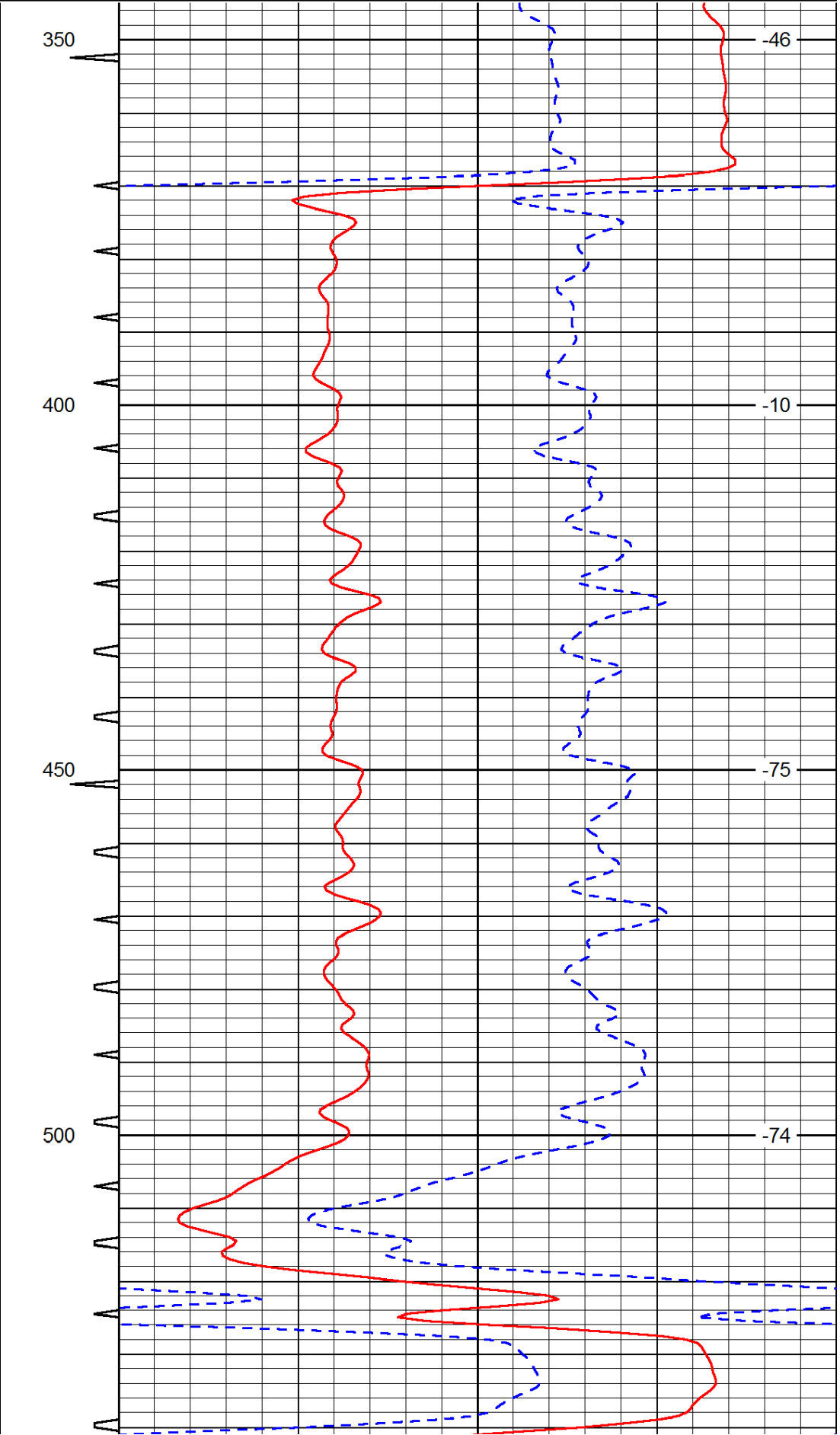
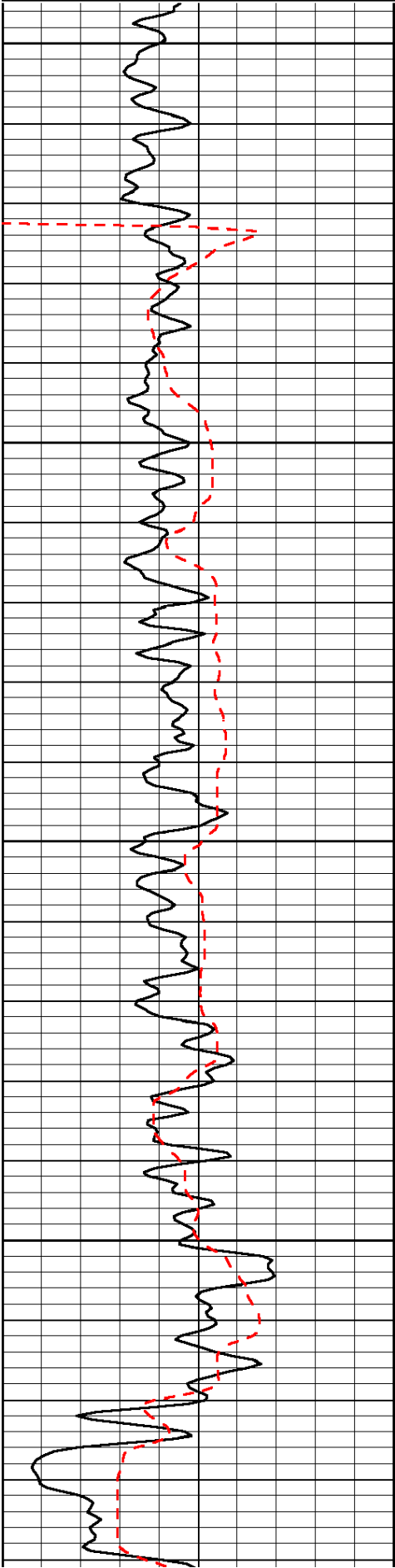
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

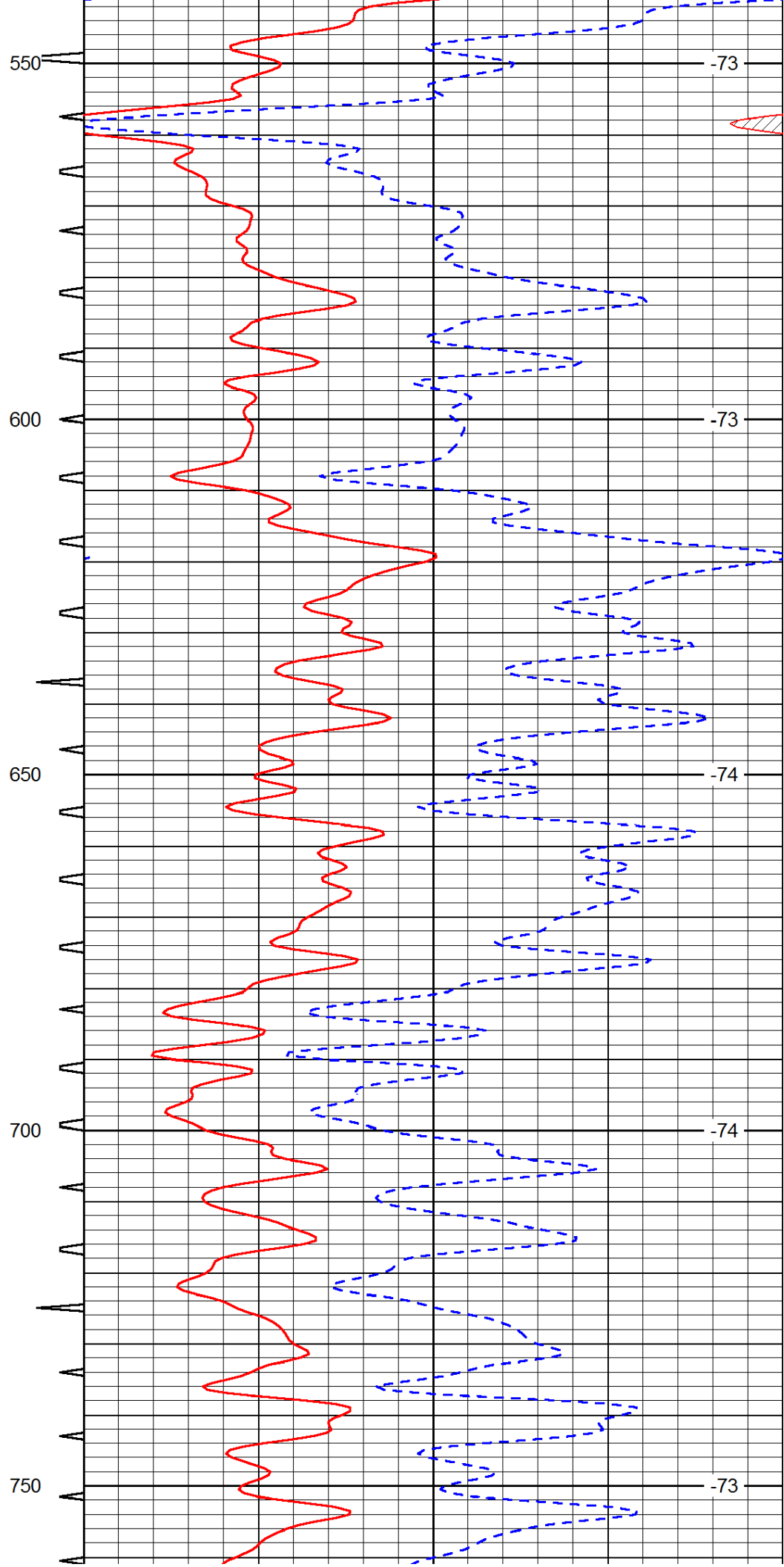
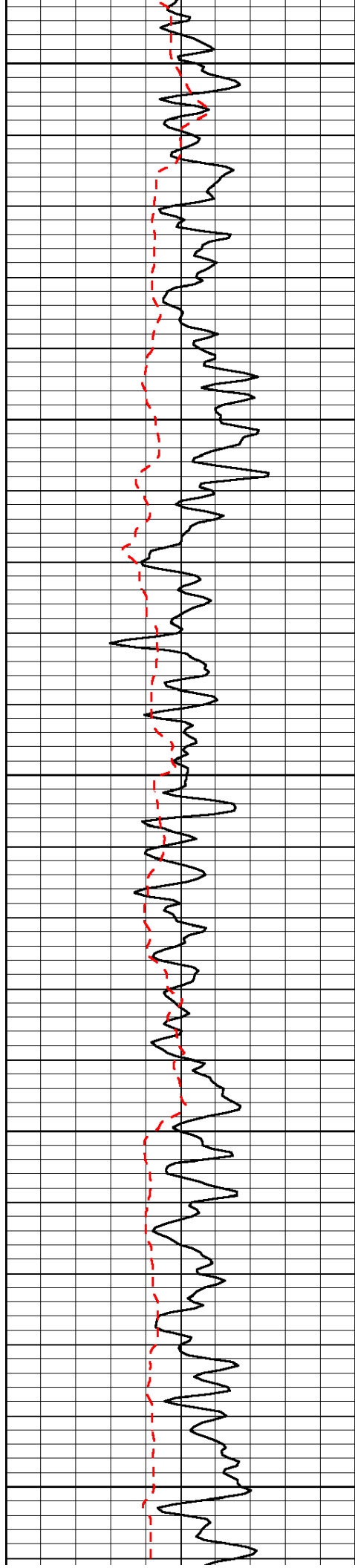
Comments

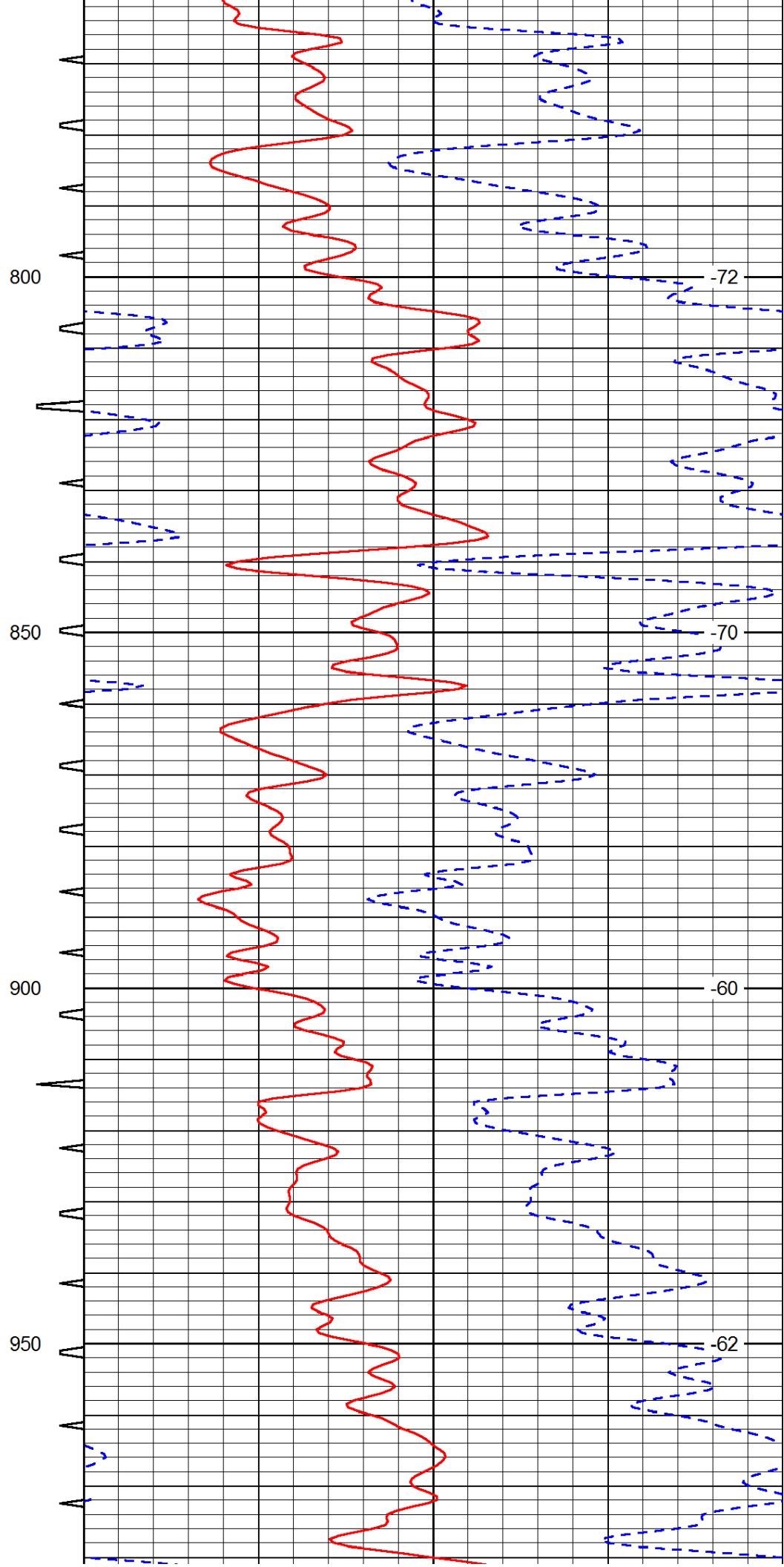
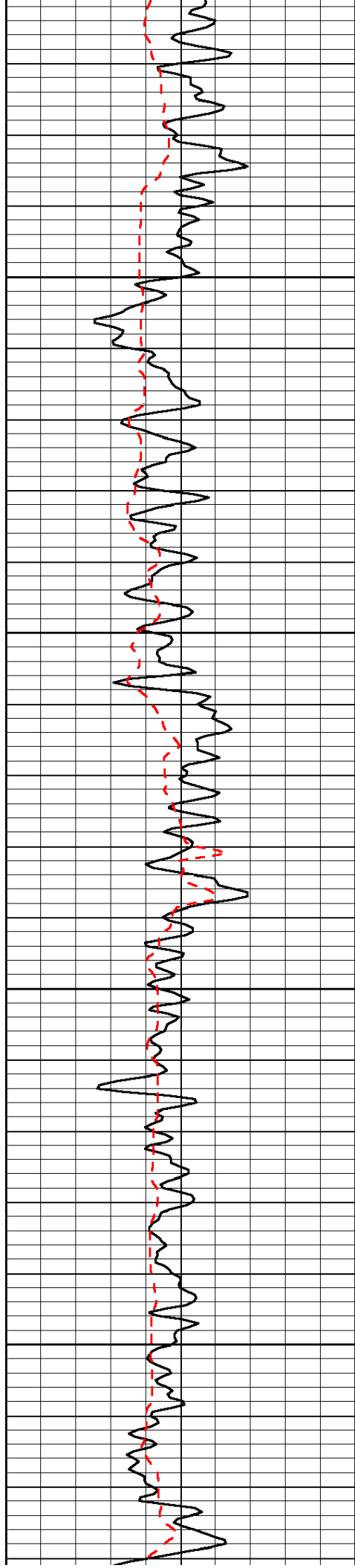
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Ellinwood,
East to SE 130 Ave, 50 yards South,
East into

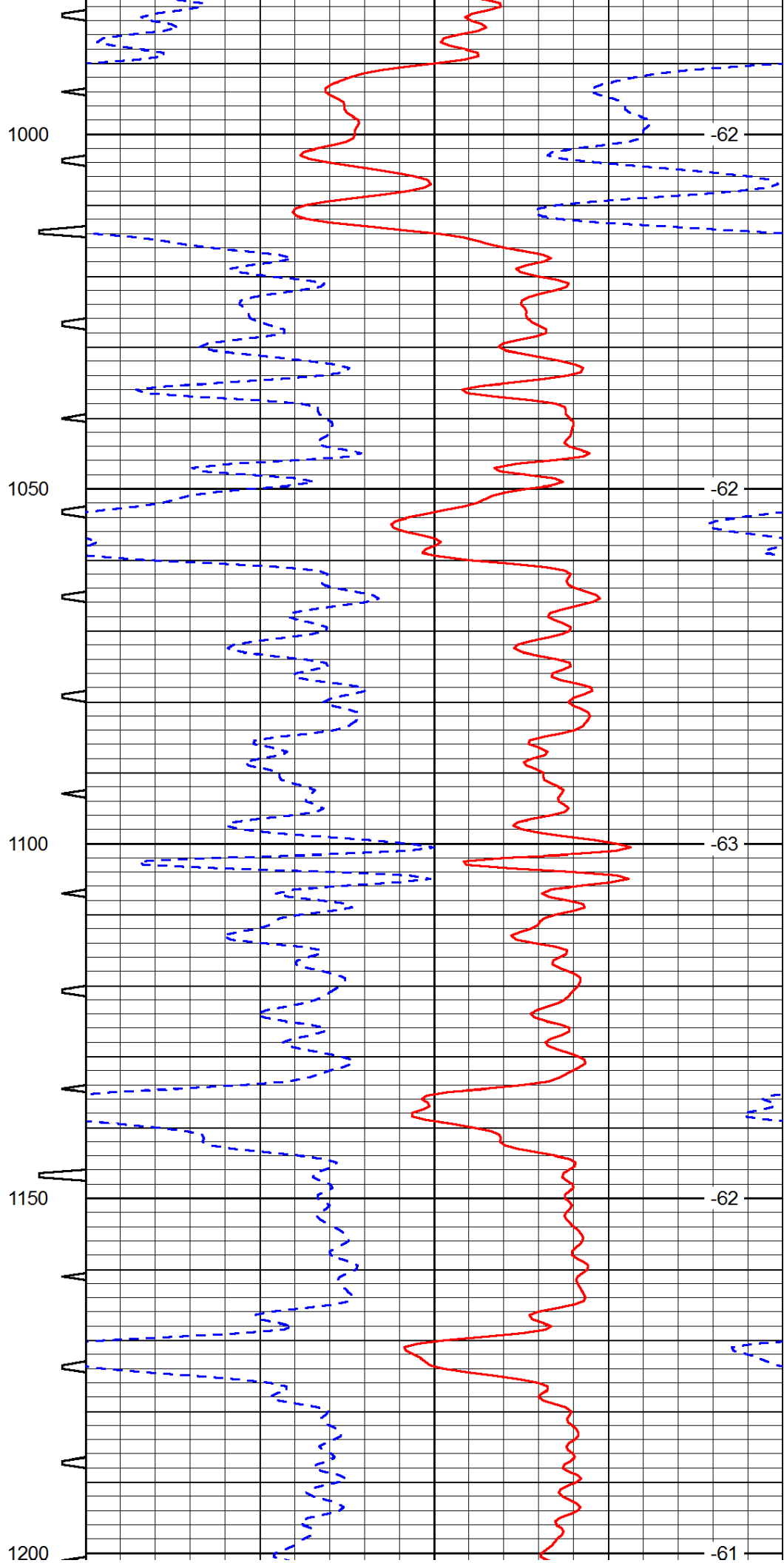
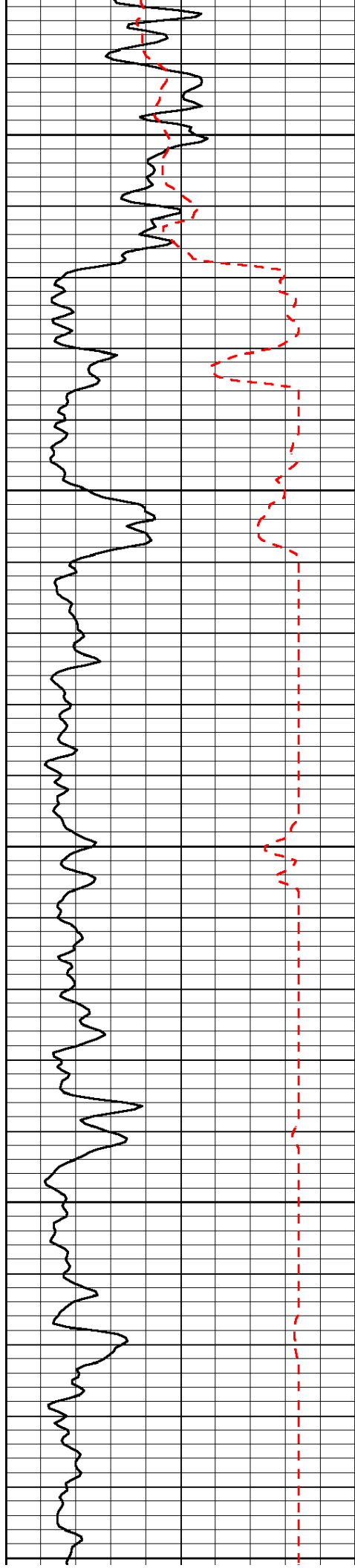
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Dataset Pathname: dil\kstckml
Presentation Format: sonic
Dataset Creation: Sun Apr 06 07:48:16 2014
Charted by: Depth in Feet scaled 1:240

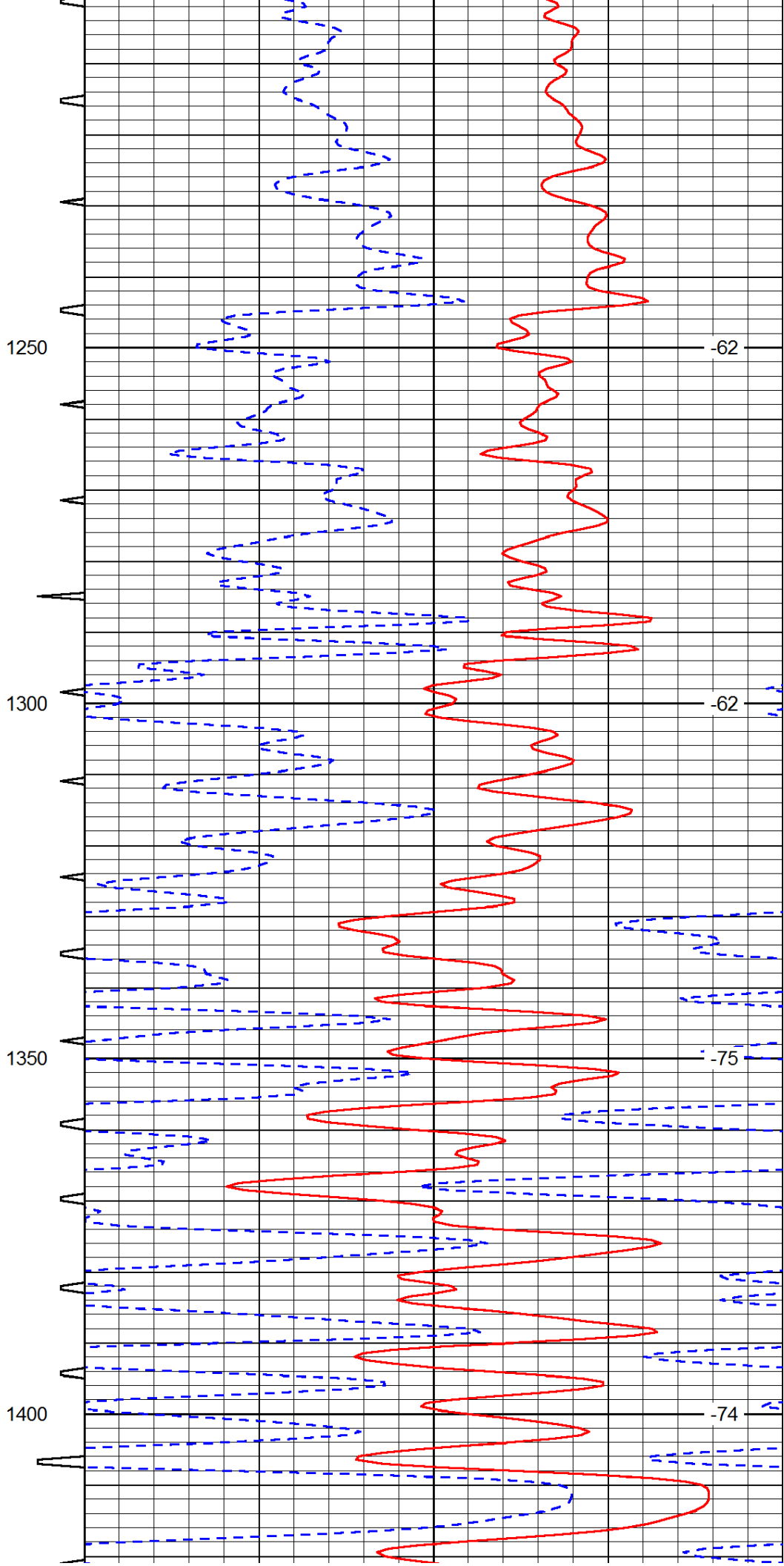
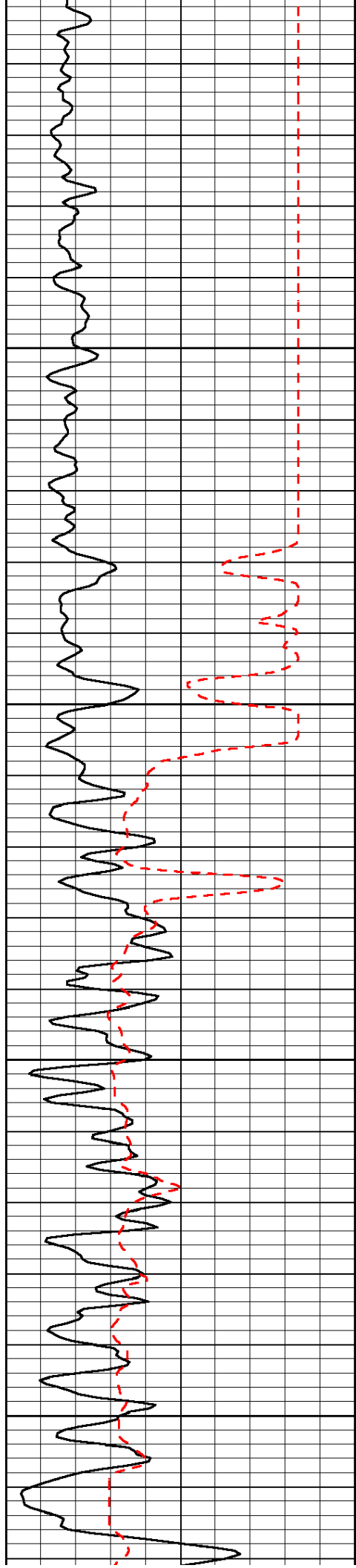
Charted by:			Depth in Feet scaled 1:2.15				
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150	Gamma Ray	300			30	SPOR	-10
6	Caliper (GAPI)	16			15000	LTEN (lb)	0
							LSPD

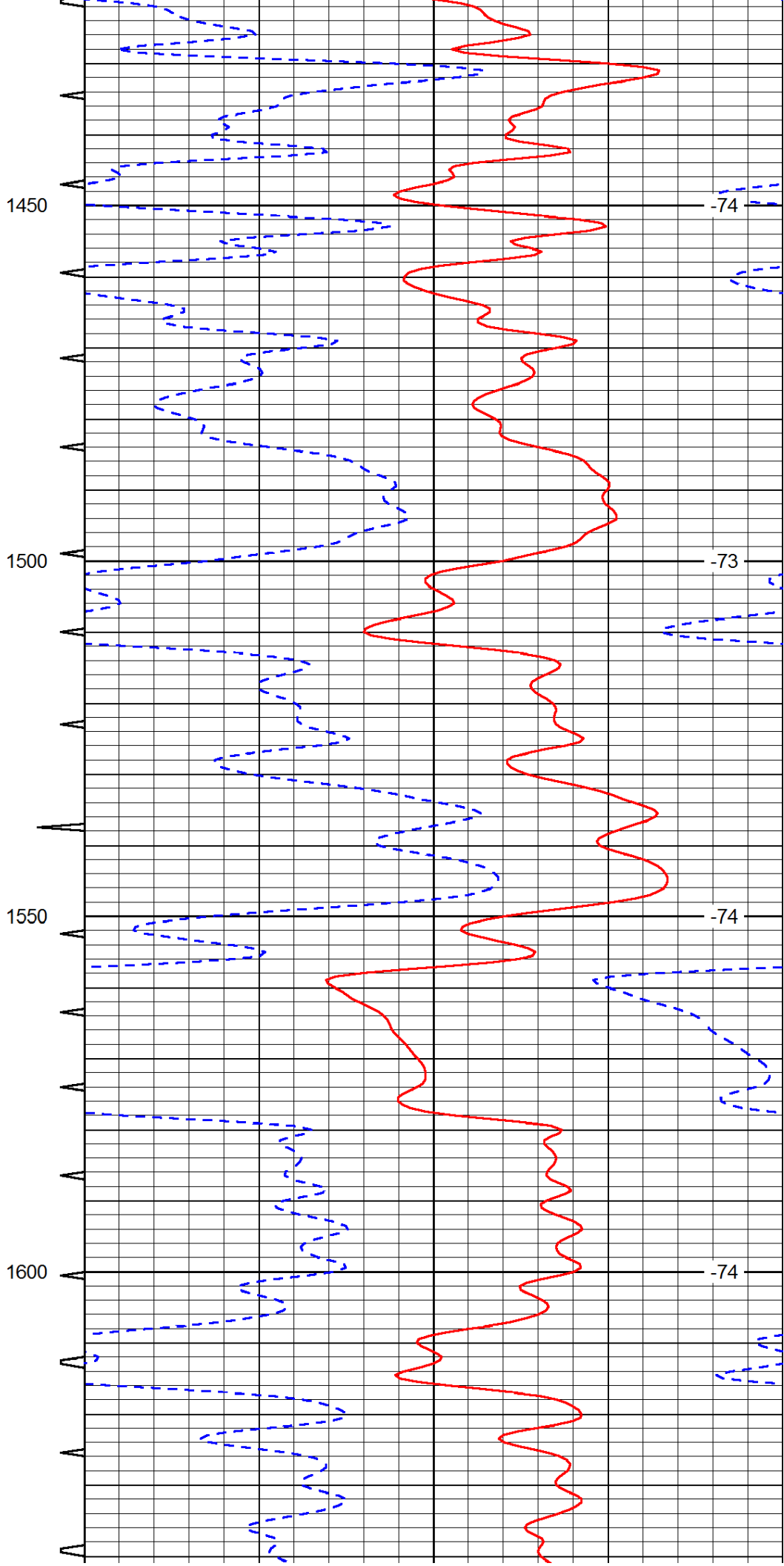
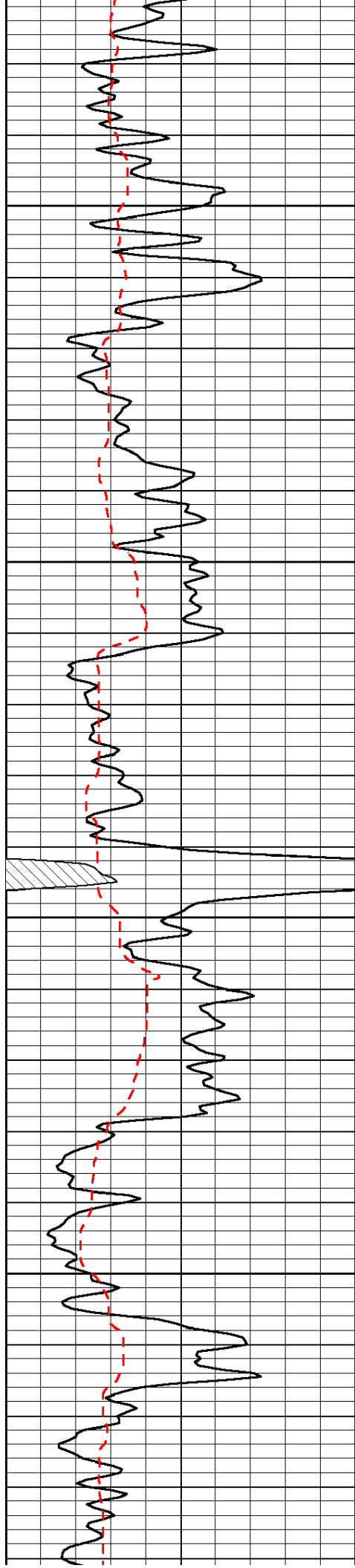


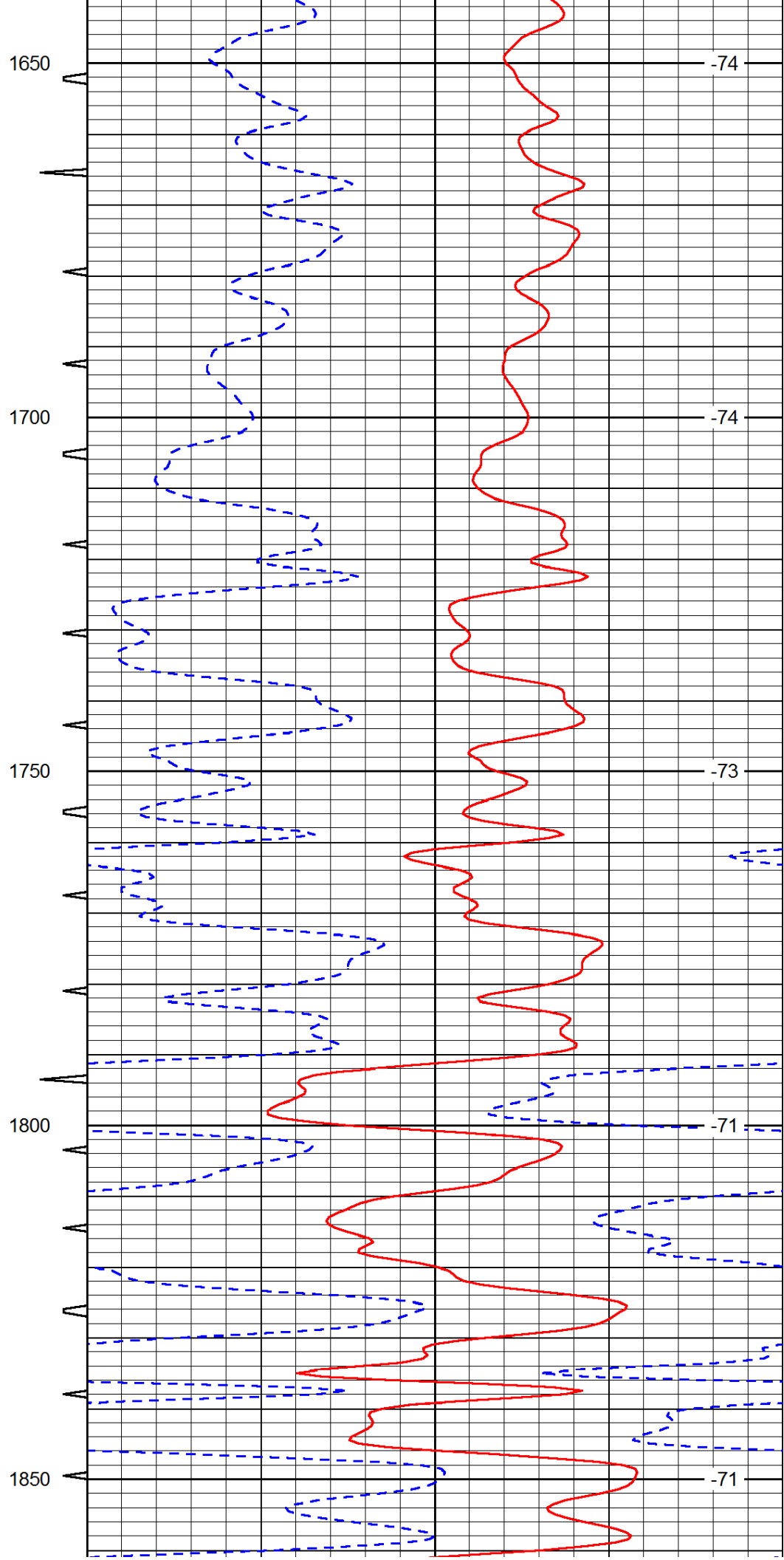
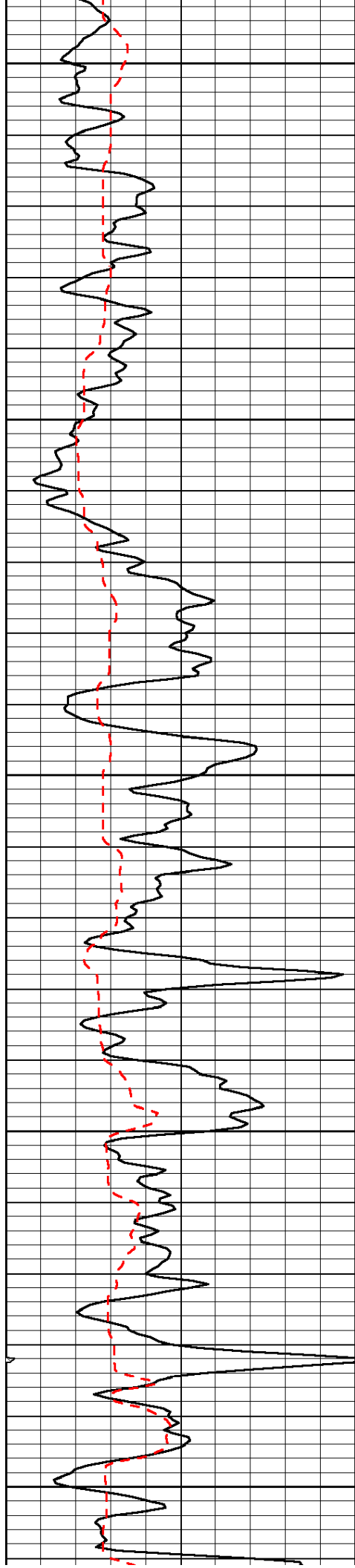


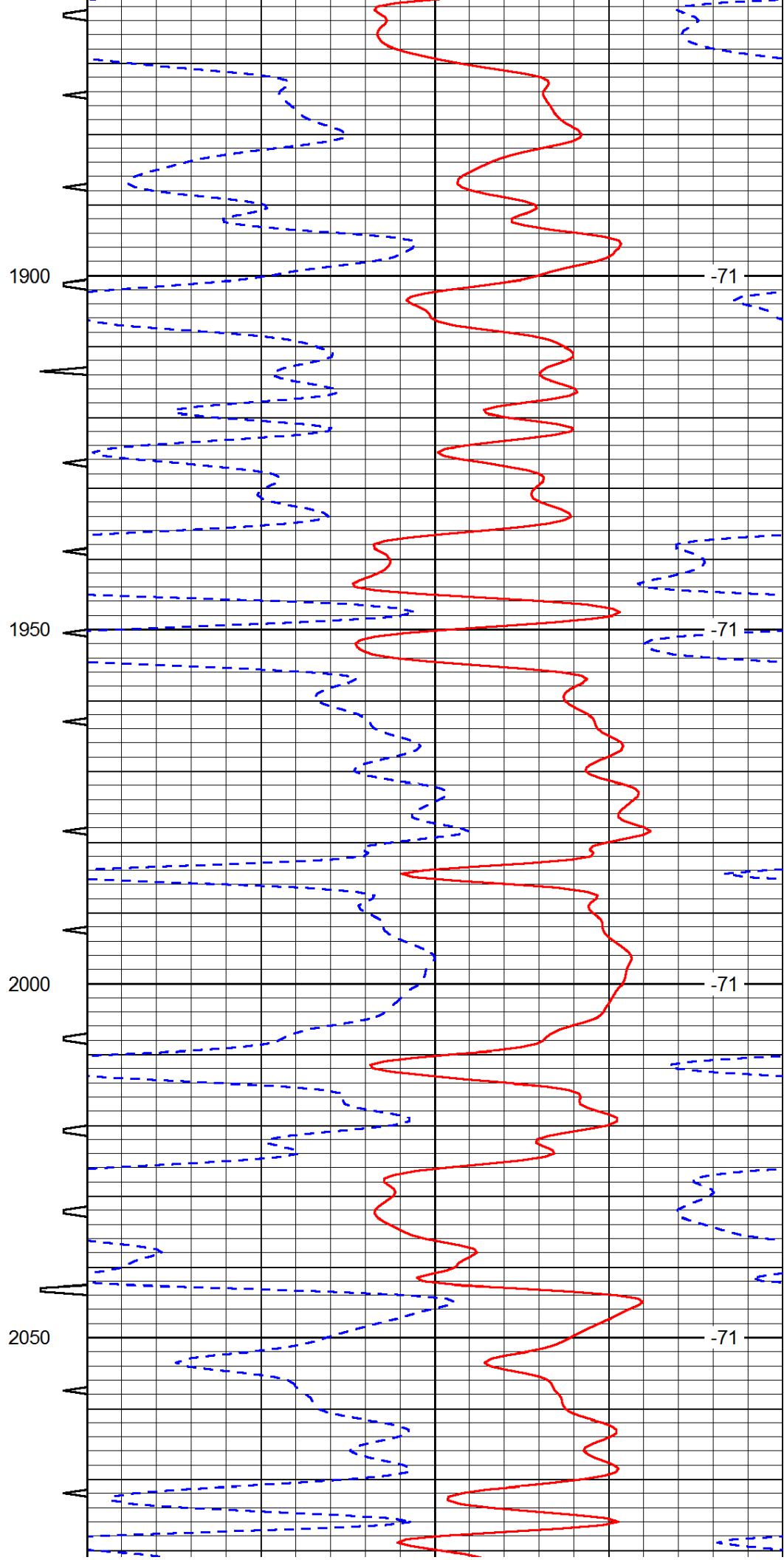
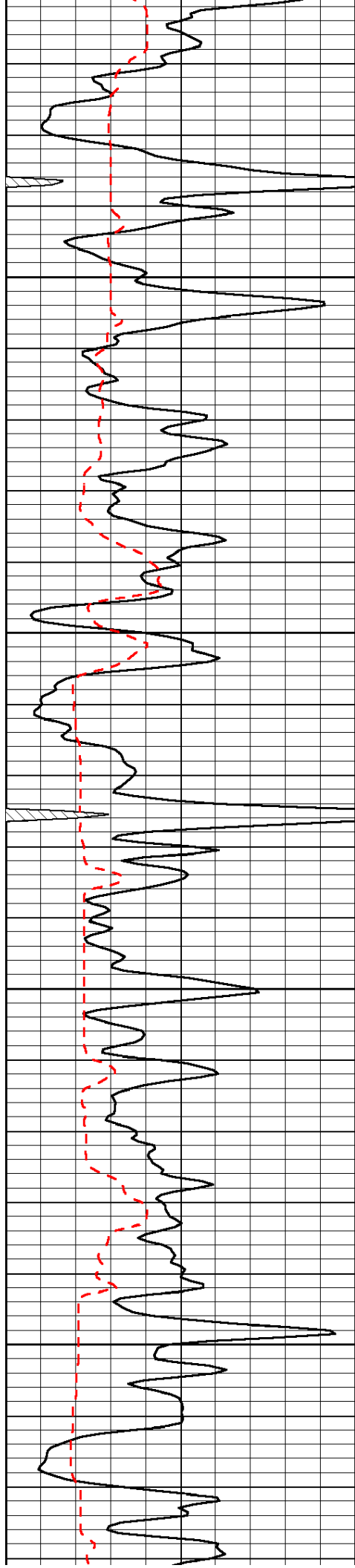


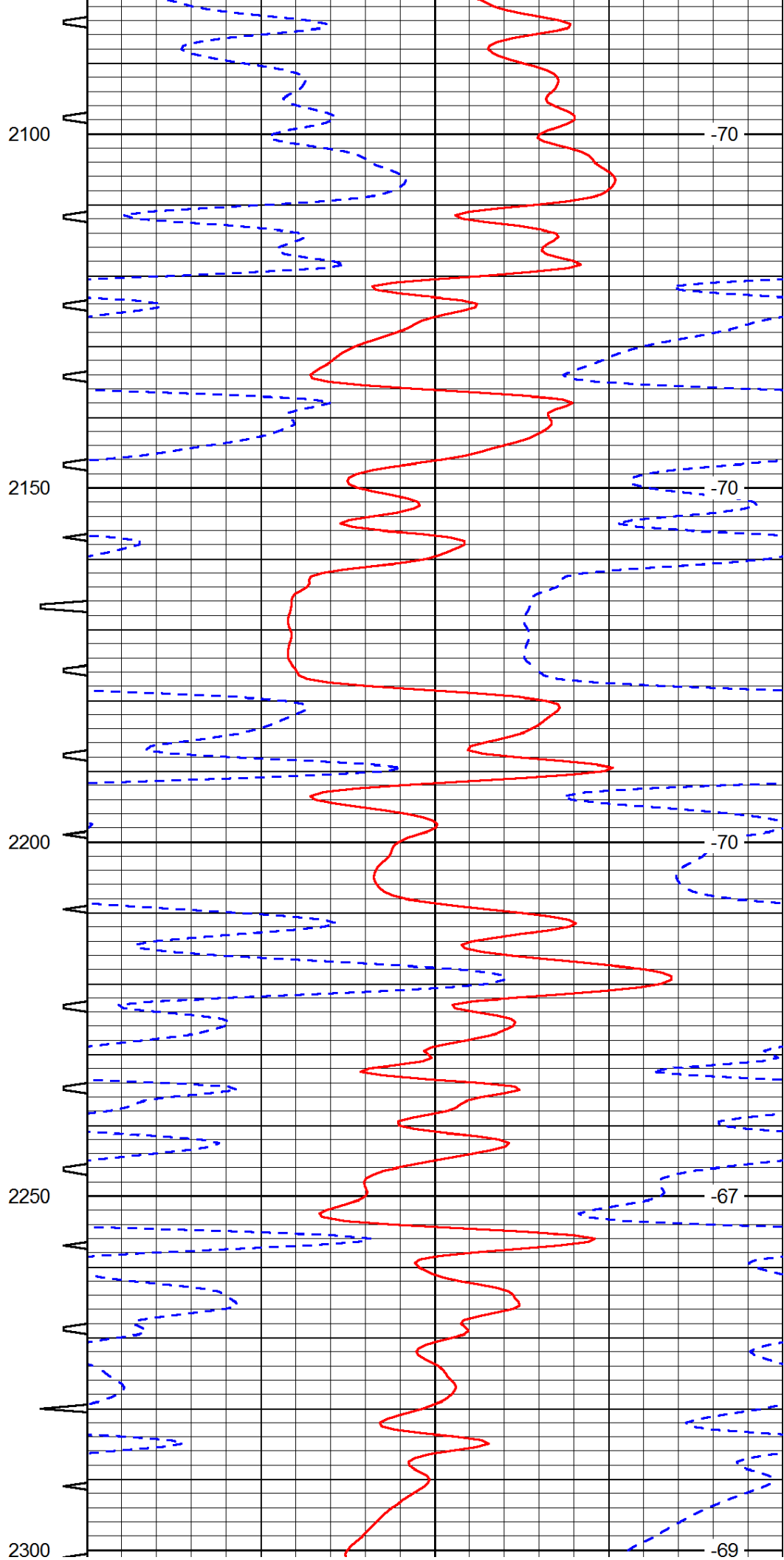
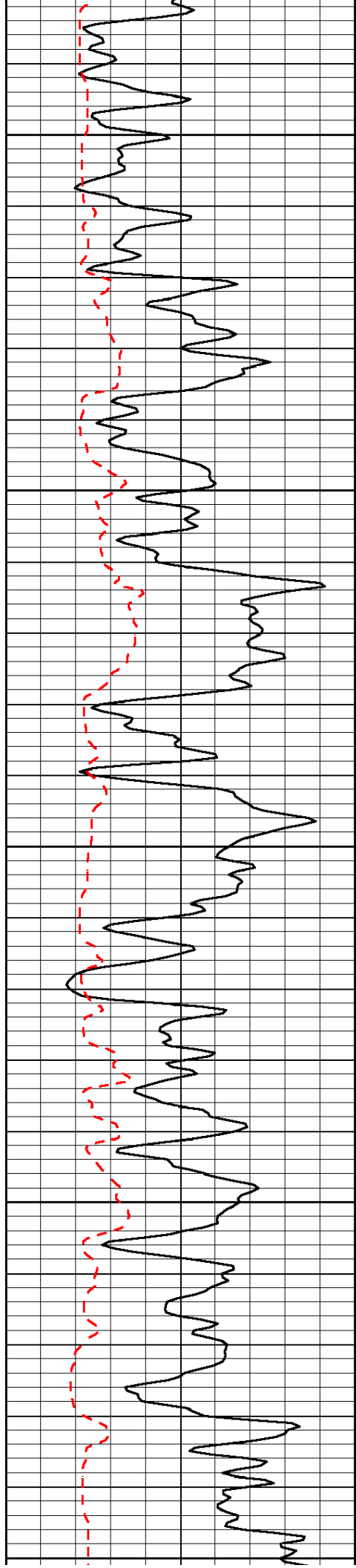


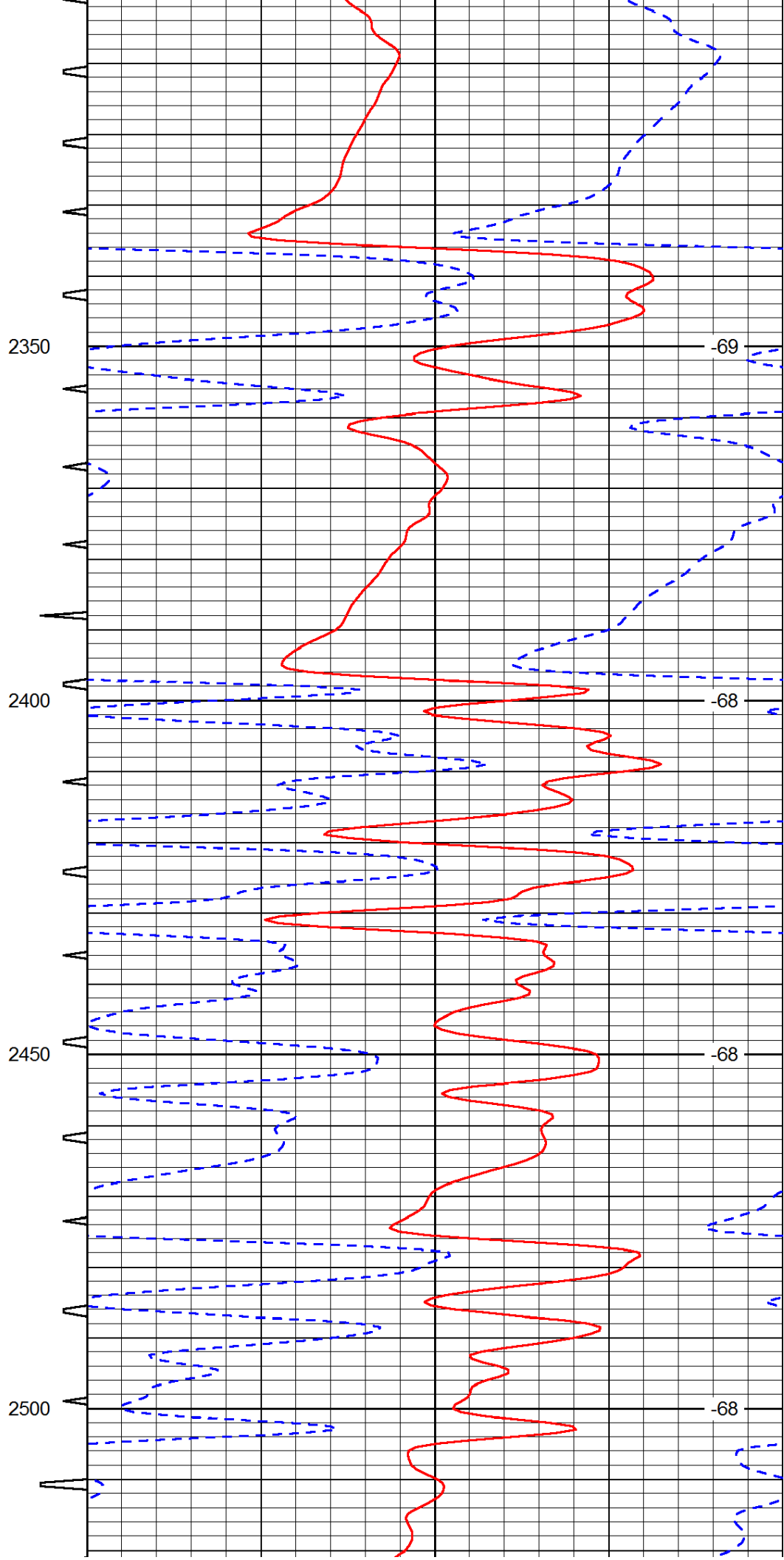
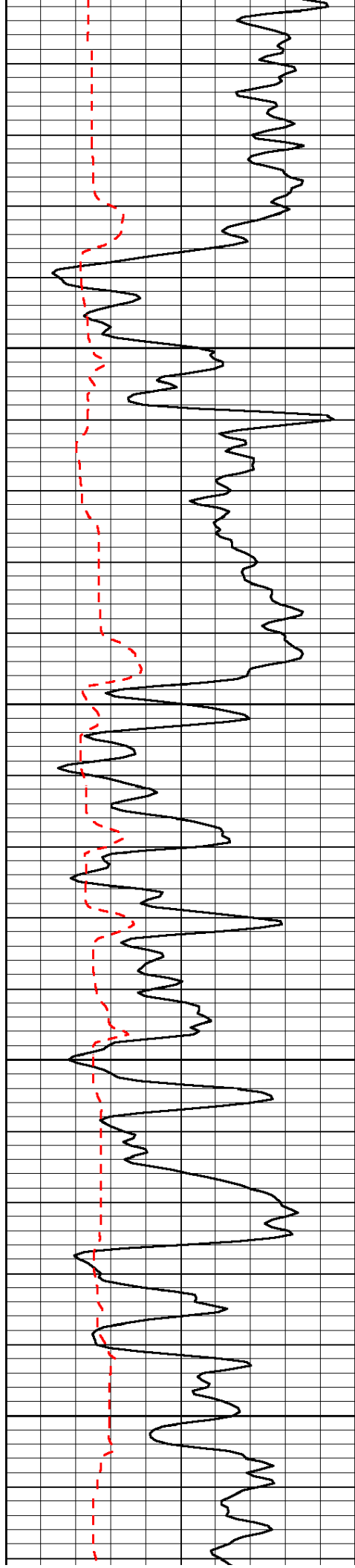


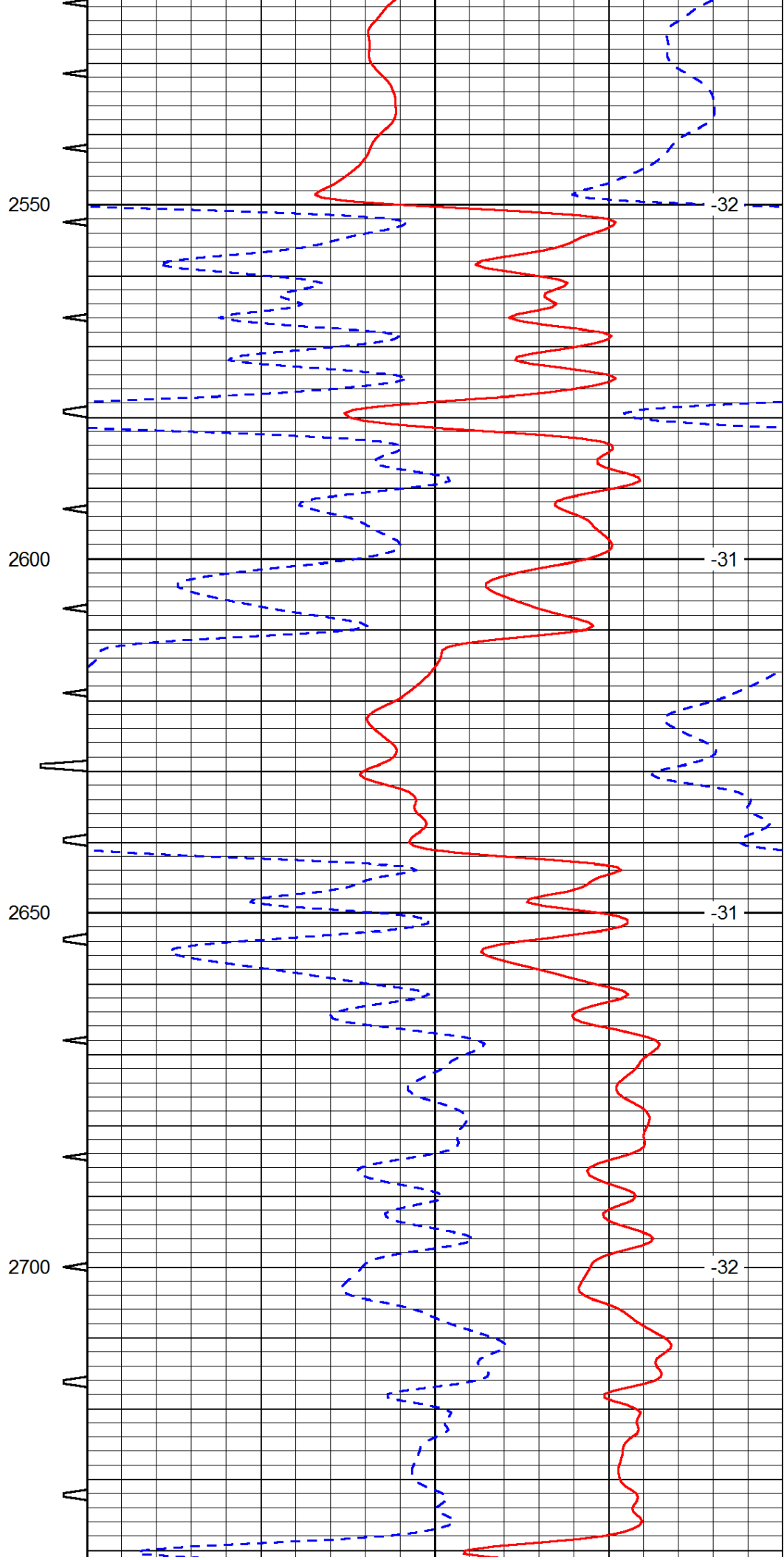
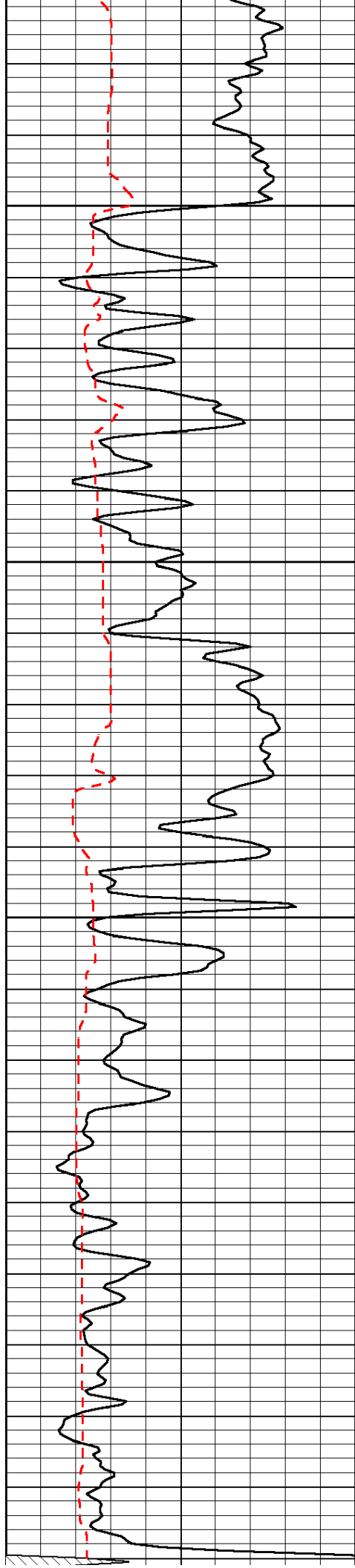


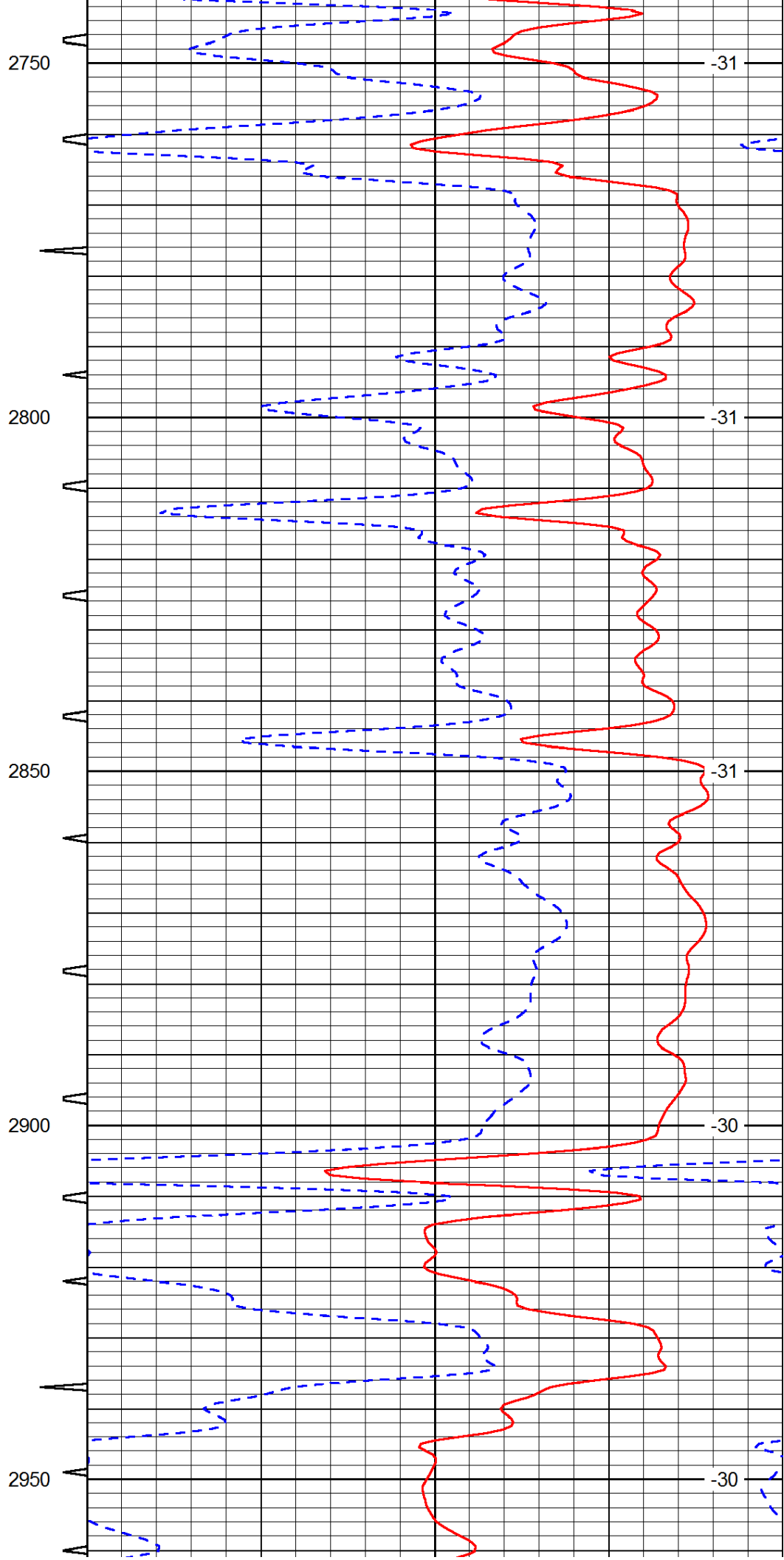
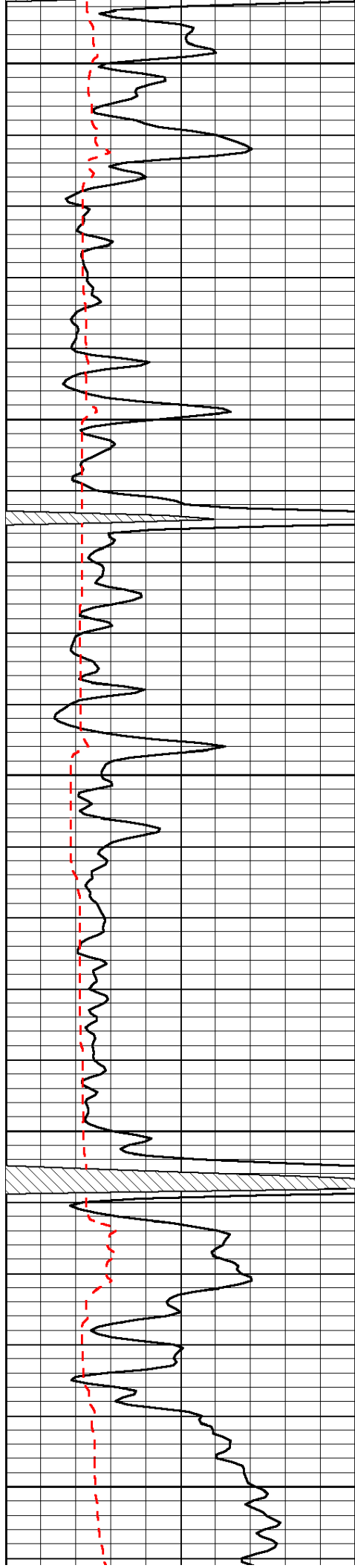


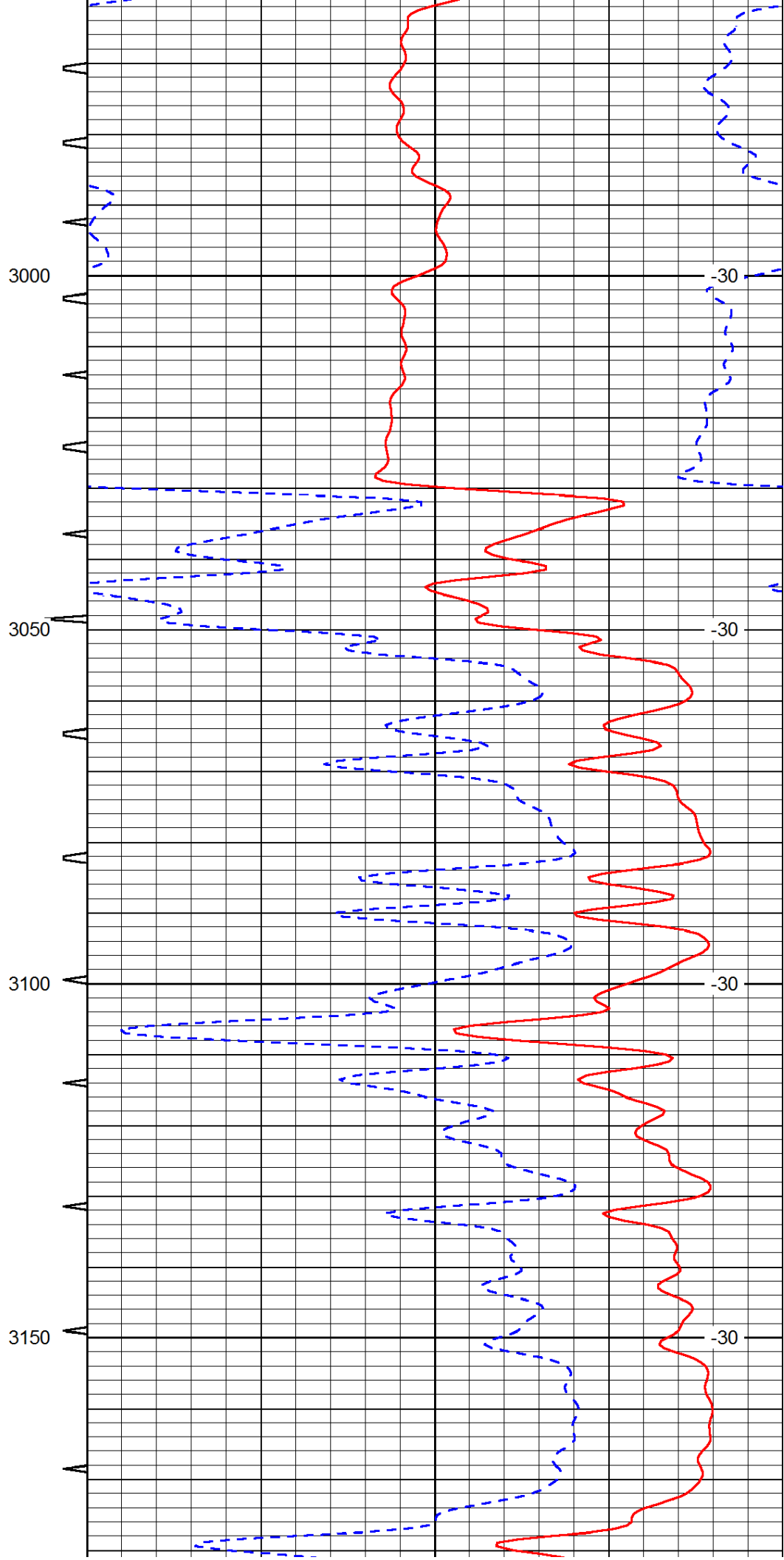
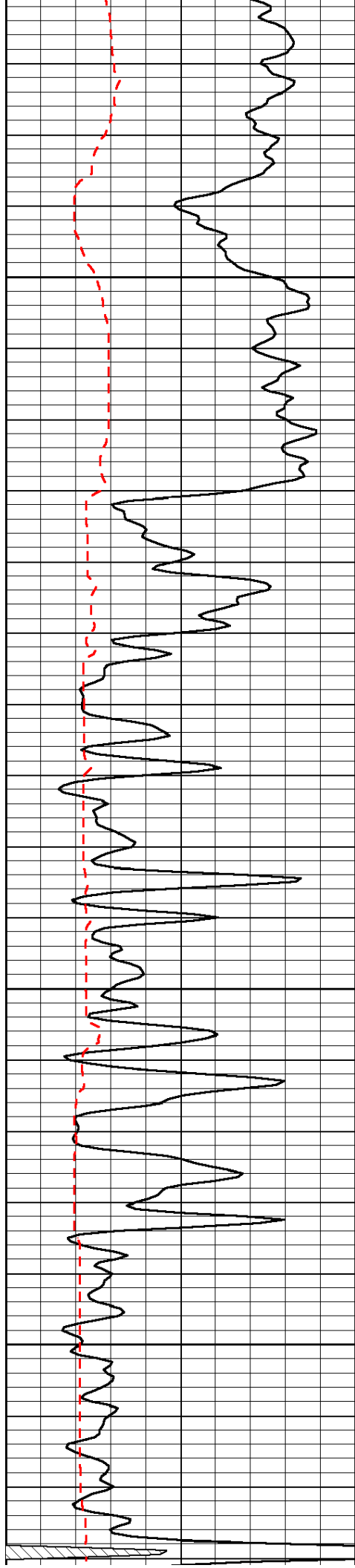


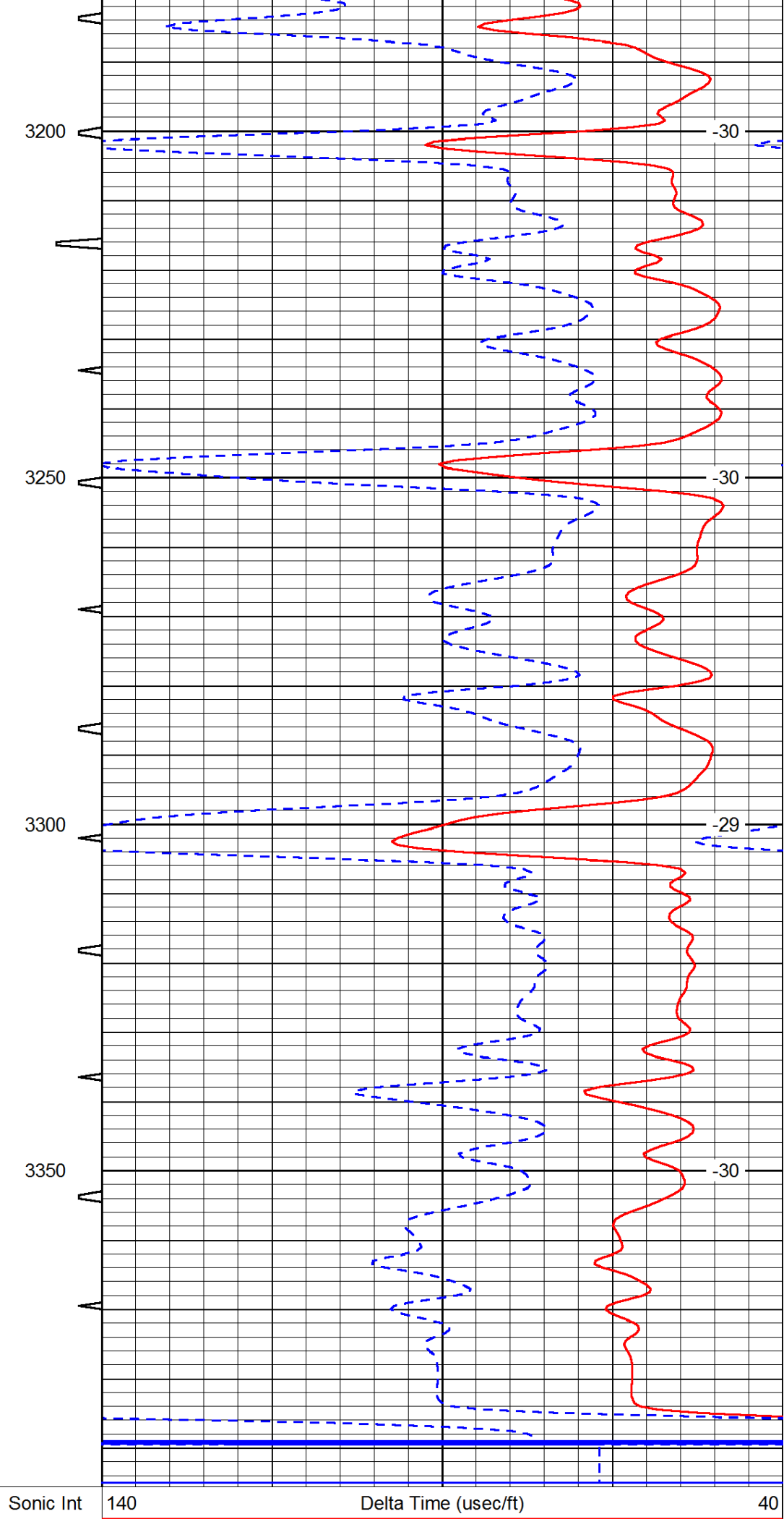
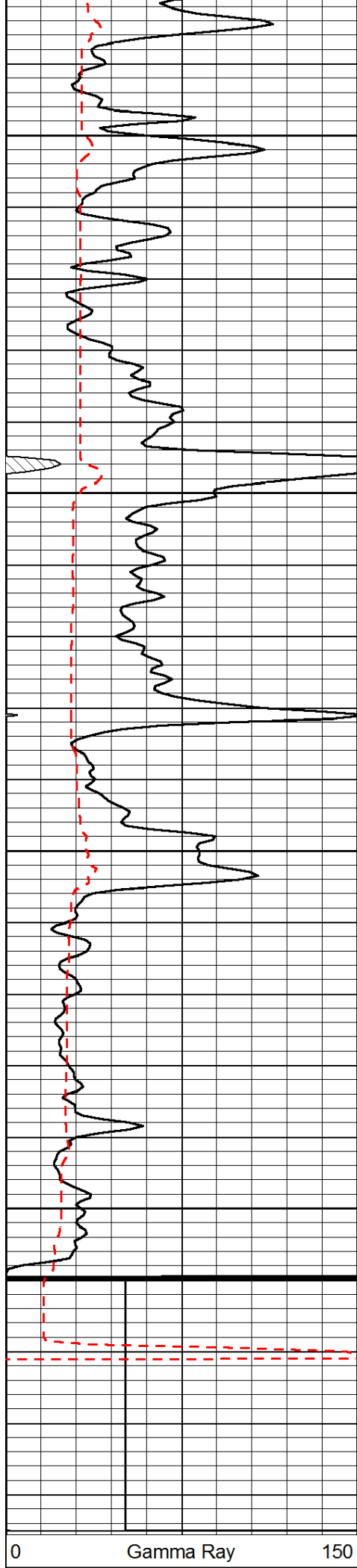












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