



Pioneer Energy Services

Borehole Compensated Sonic Log

15-145-21757-00-00

Company **Downing-Nelson Oil Company, Inc.**
Well **Leta Faye # 1-20**
Field **Wildcat**
County **Pawnee** State **Kansas**

Location **565' FNL & 1595' FEL**

Other Services
CNL/CDL
MEL/DIL

Permanent Datum **Ground Level** Elevation **2137**
Log Measured From **Kelly Bushing** 13 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

Elevation
K.B. 2150
D.F.
G.L. 2137

Date **5/27/2014**

Run Number **Two**

Type Log **BHC Sonic**

Depth Driller **4880**

Depth Logger **4879**

Bottom Logged Interval **4868**

Top Logged Interval **1200**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **6000**

Density **9.3**

Level **Full**

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

Operating Rig Time **5 Hours**

Equipment -- Location **17 Days**

Recorded By **Y. Ruiz**

Witnessed By **Marc Downing**

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
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1	12.25	00	1222	8.625	24#	00	1222
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2	7.875	1222	4880				
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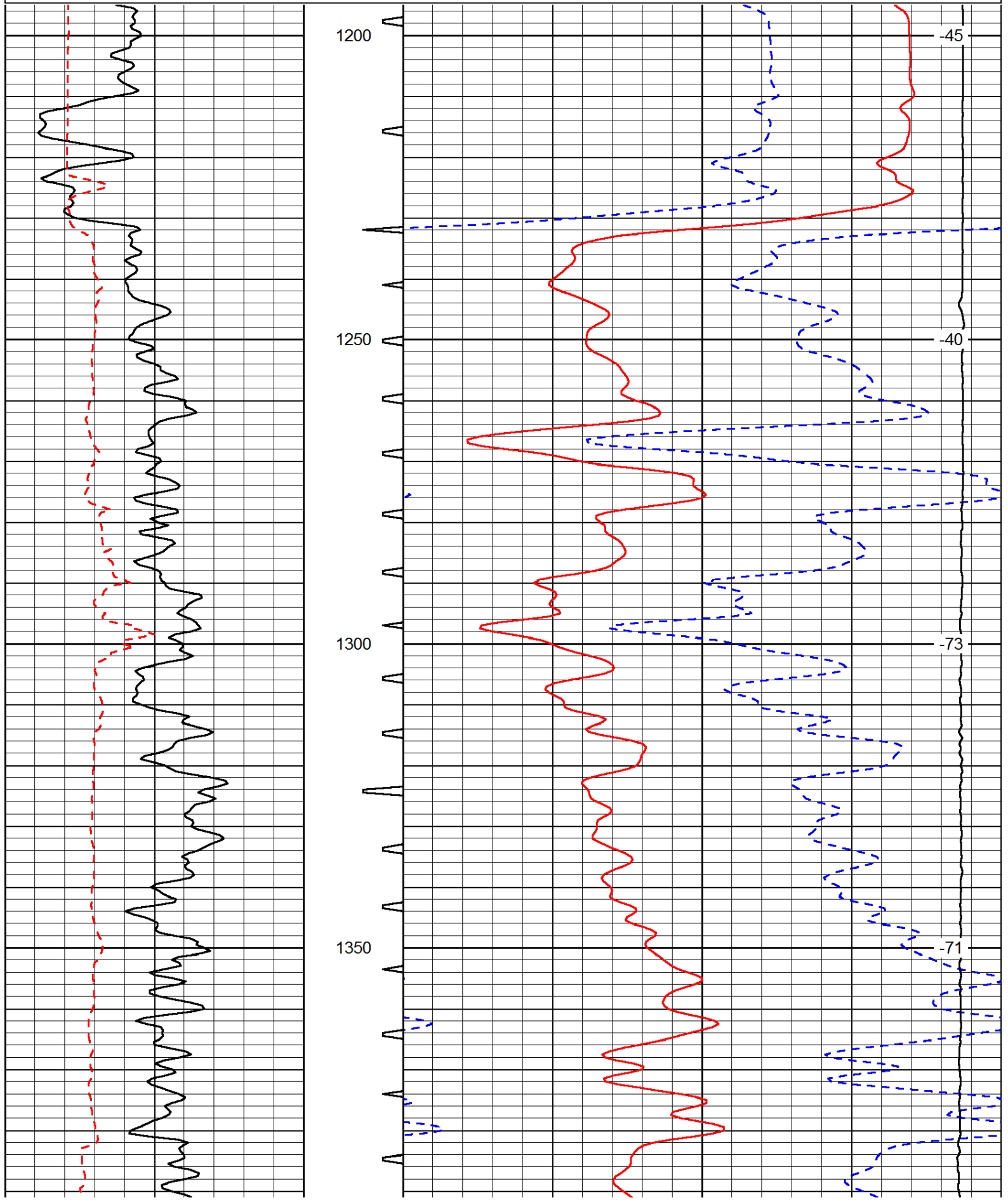
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

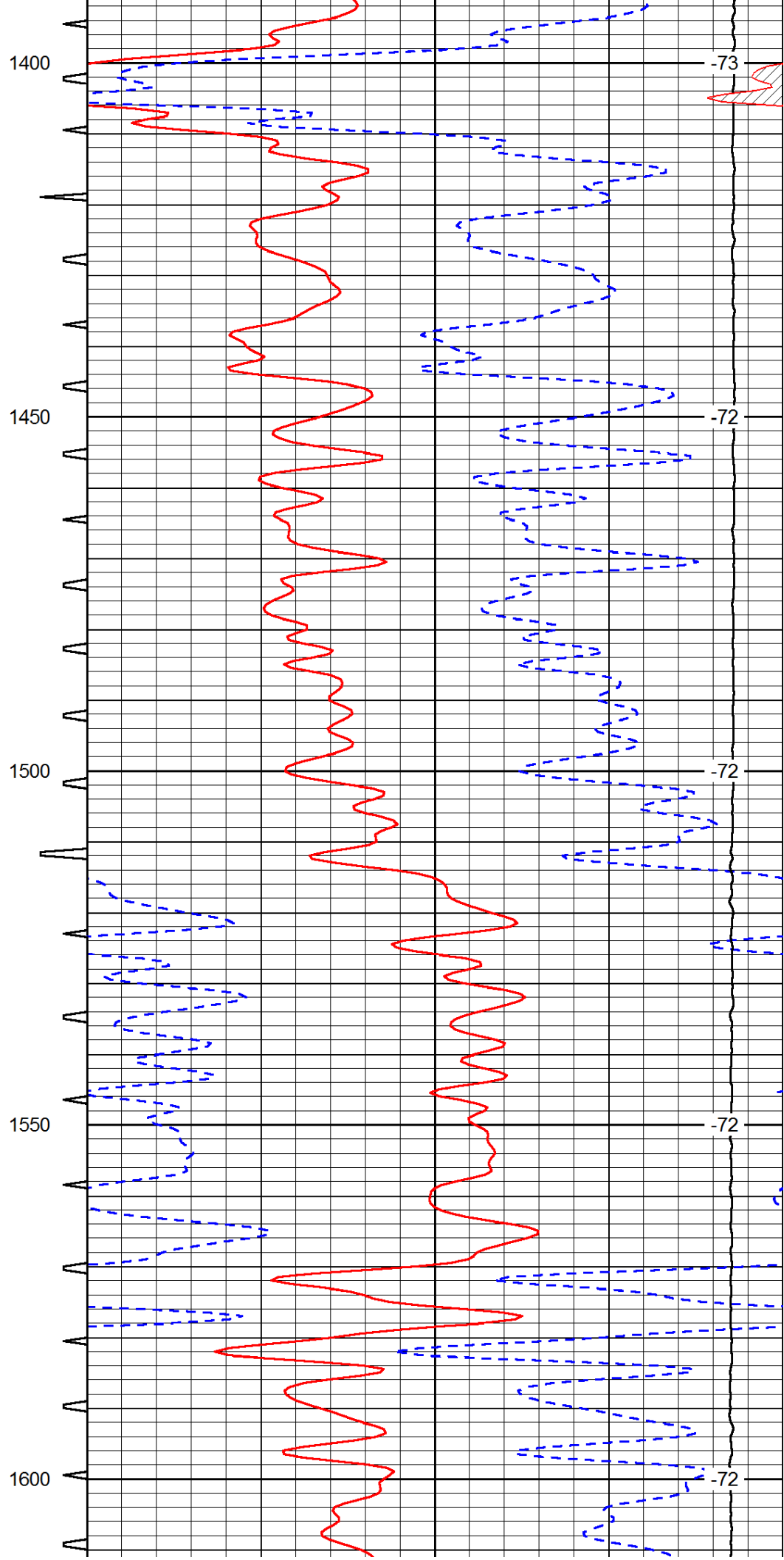
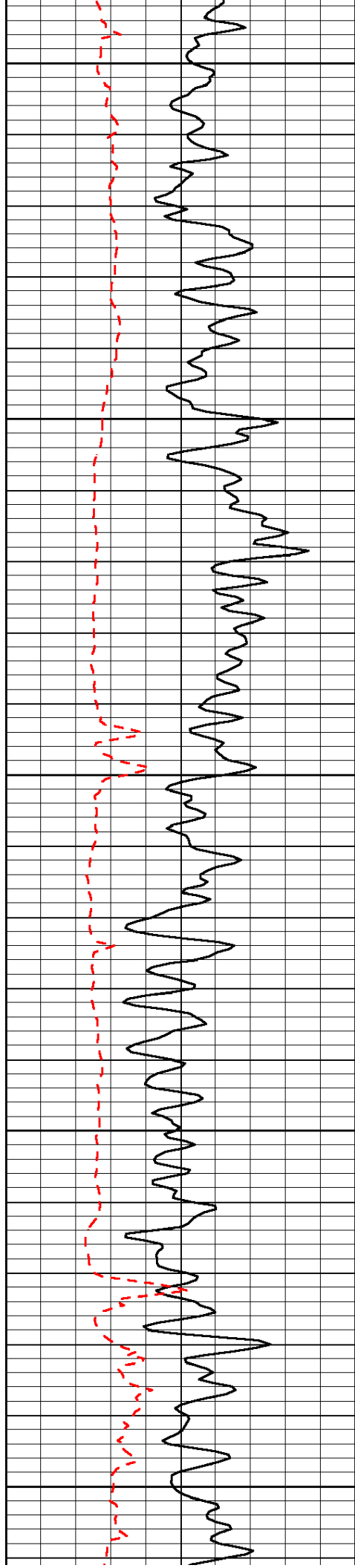
Comments

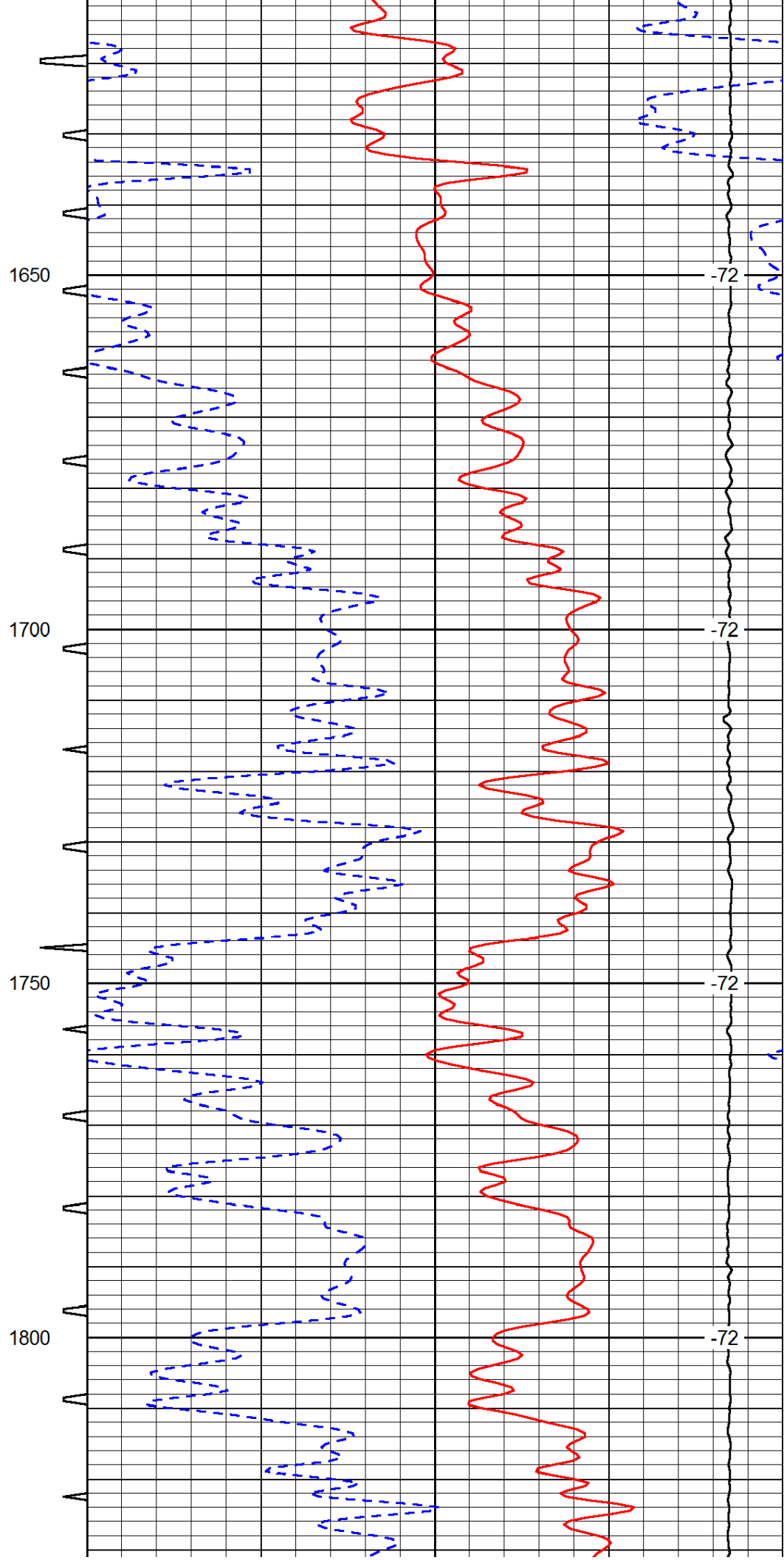
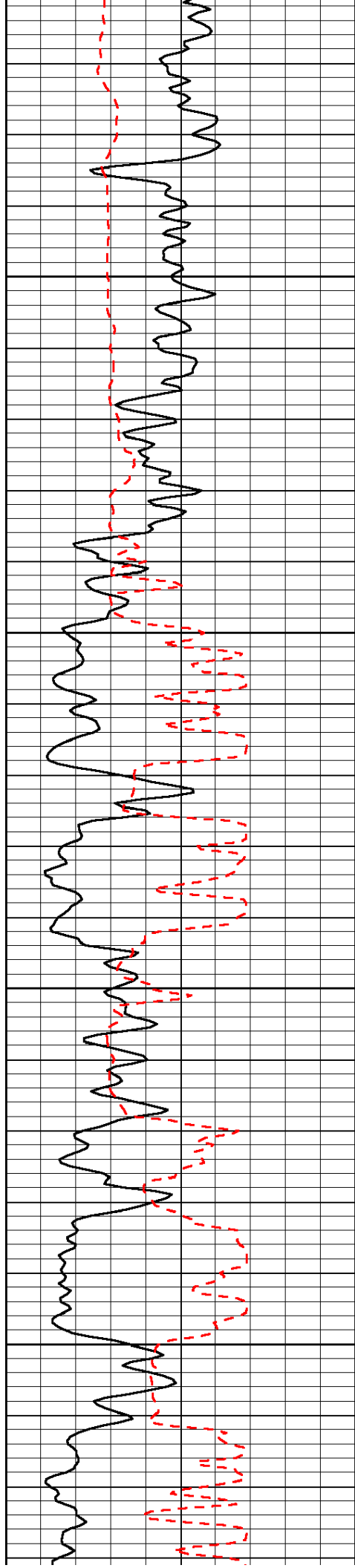
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Hwy 183 & Hwy 1-56,
South to D Rd, 1/2 West,
South into

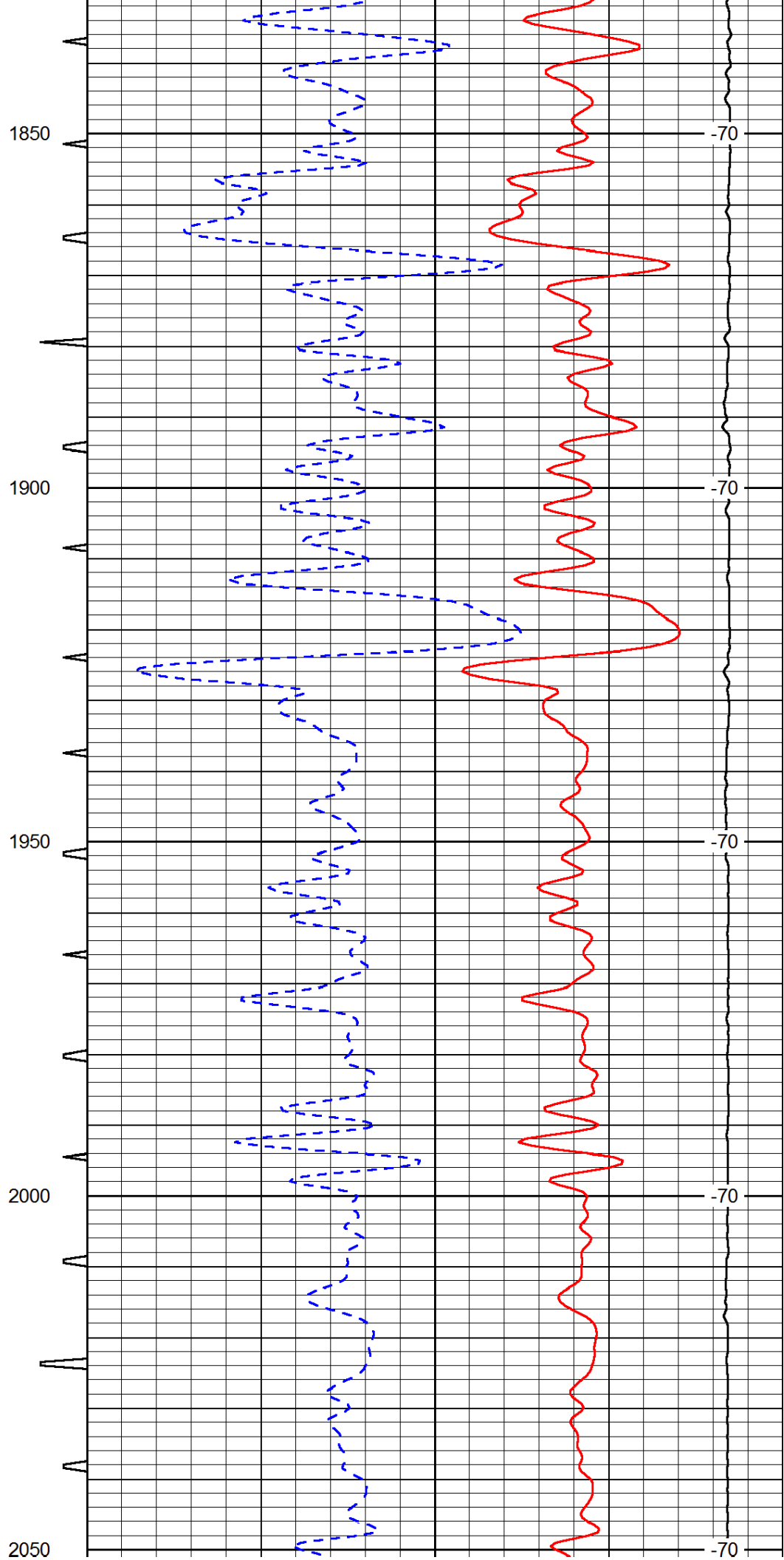
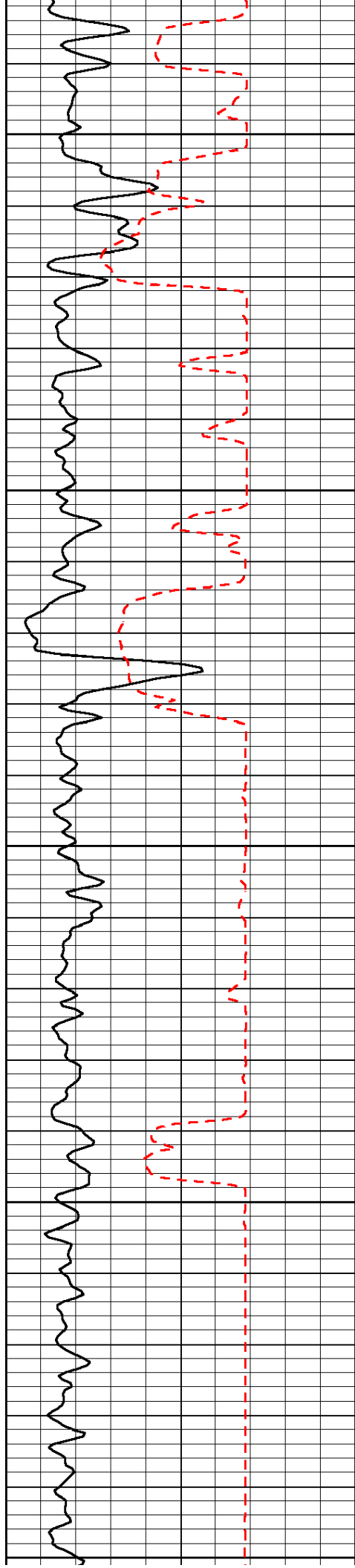
Database File: c:\warrior\data\downing-nelson_leta faye # 1-20\downing_052714hd.db
Dataset Pathname: DIL\dowstk
Presentation Format: sonic
Dataset Creation: Tue May 27 14:40:26 2014
Charted by: Depth in Feet scaled 1:240

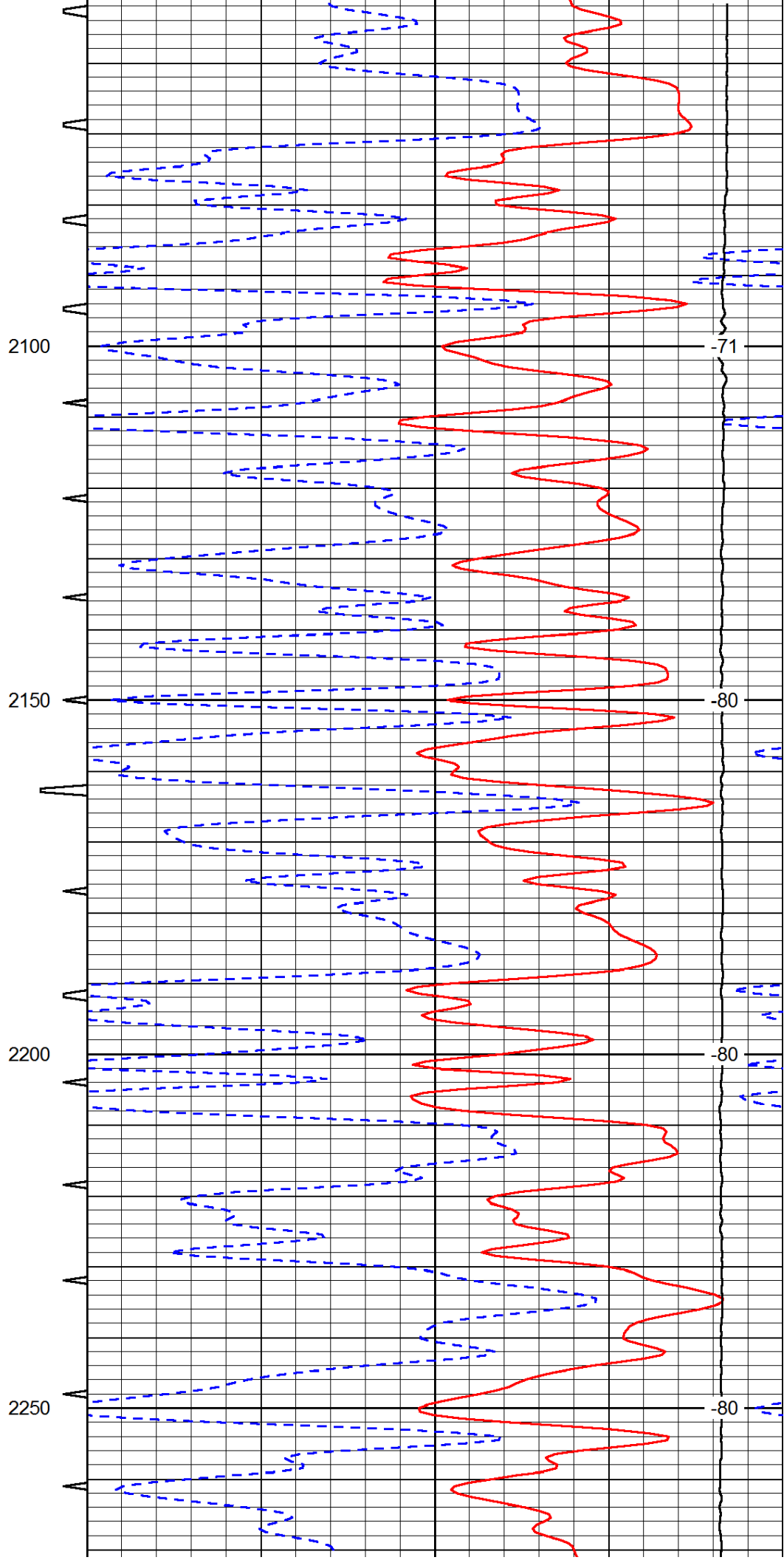
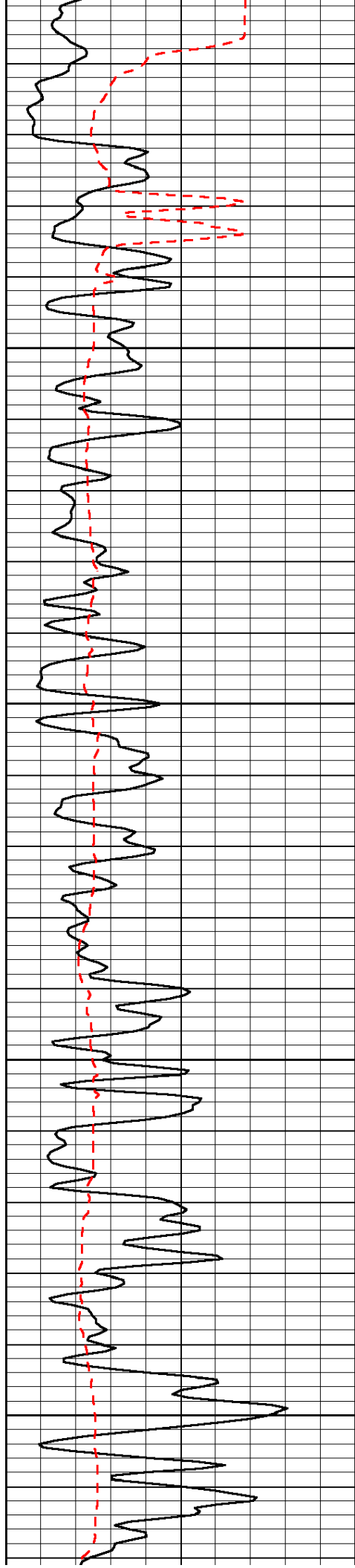
Charted by: _____			Depth in Feet scaled 1:2.15			
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40
150	Gamma Ray	300		30	SPOR	-10
6	Caliper (GAPI)	16		15000	LTEN (lb)	0
					LSPD	

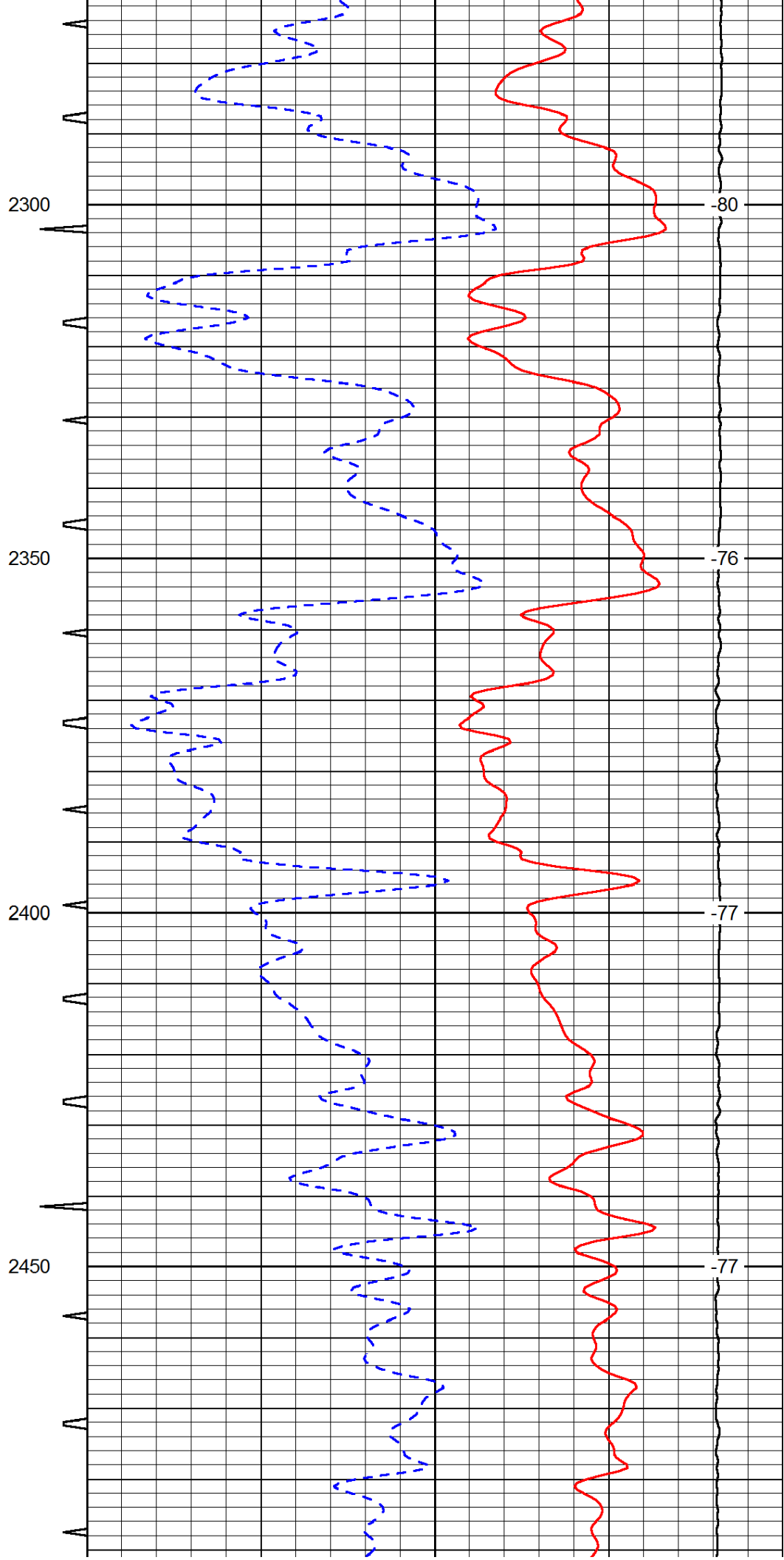
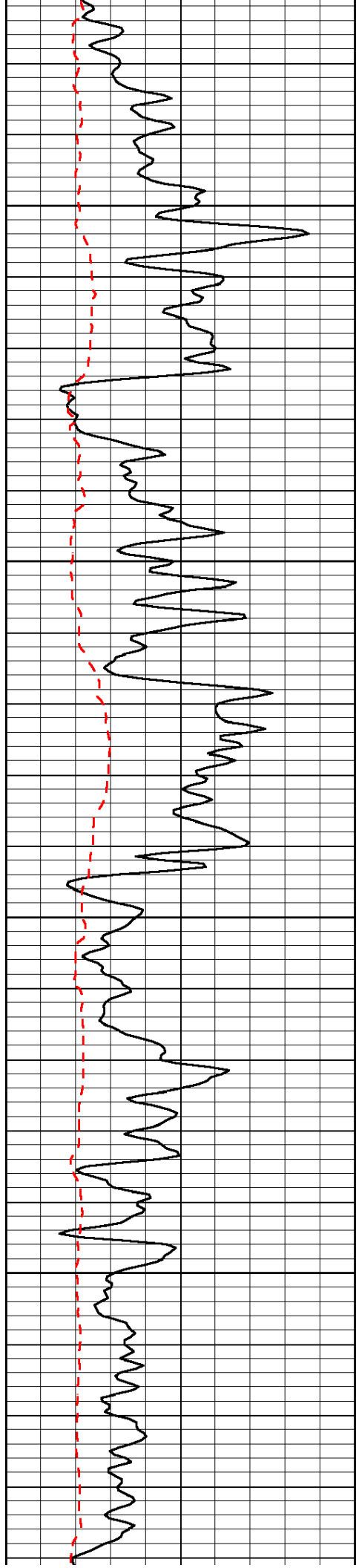


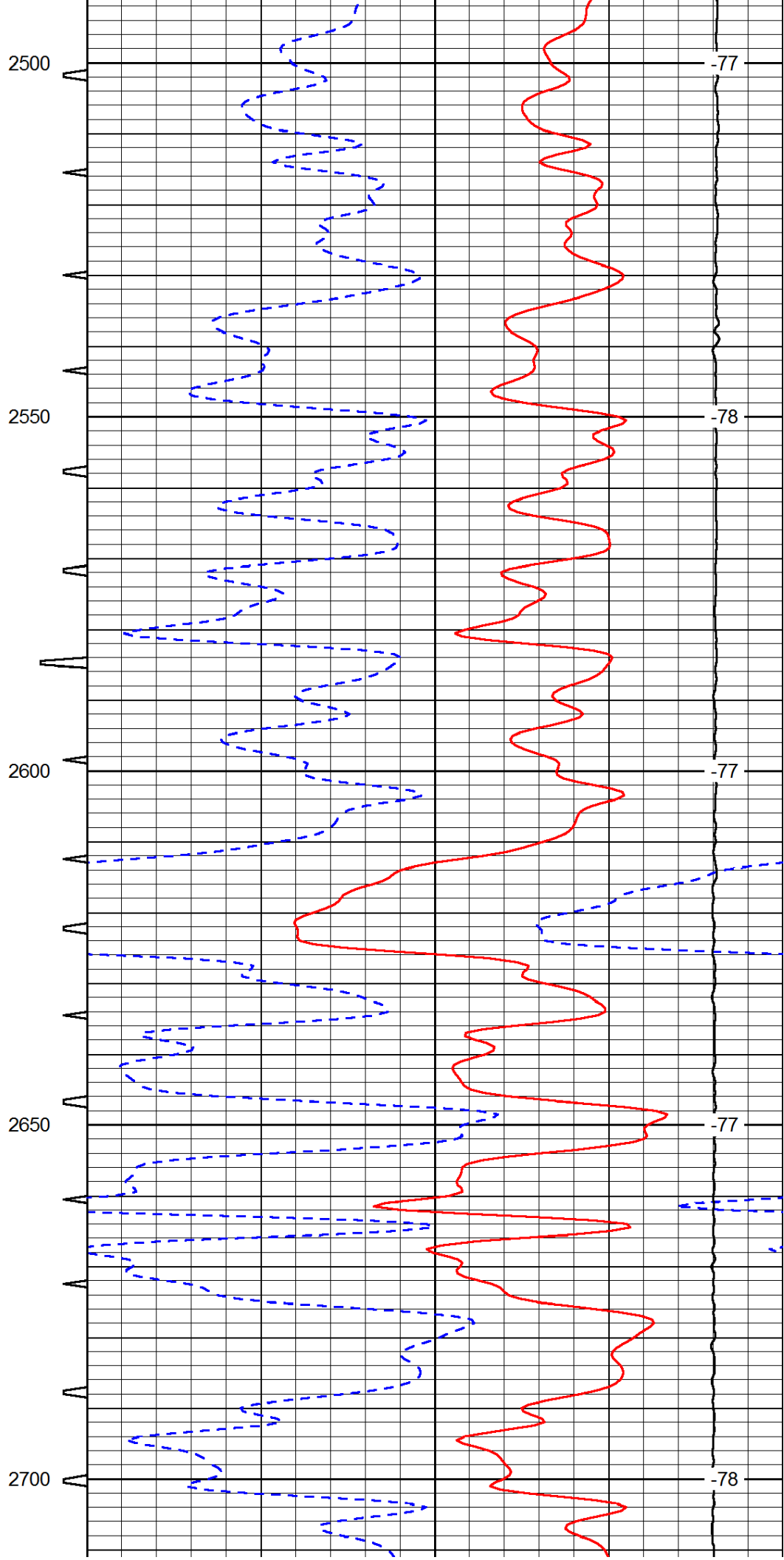
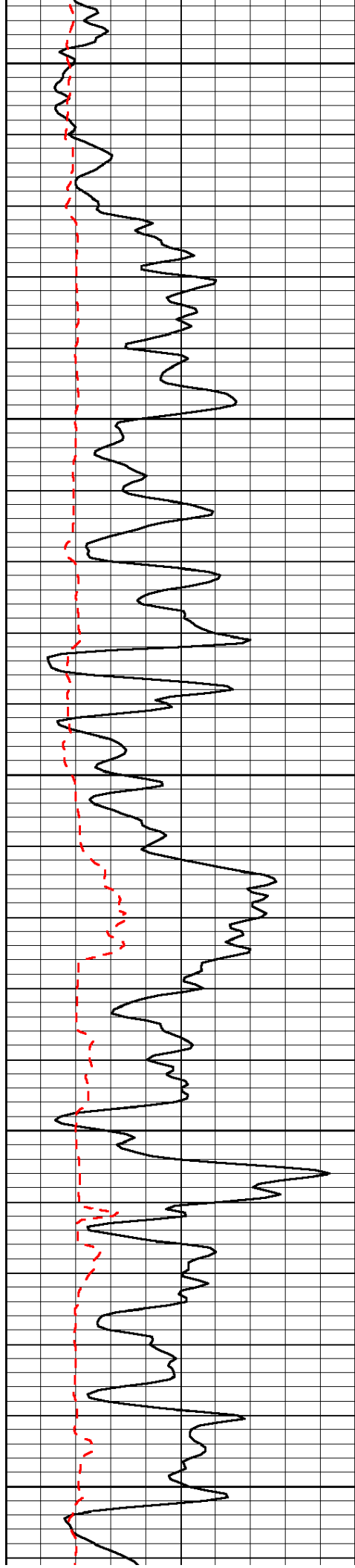


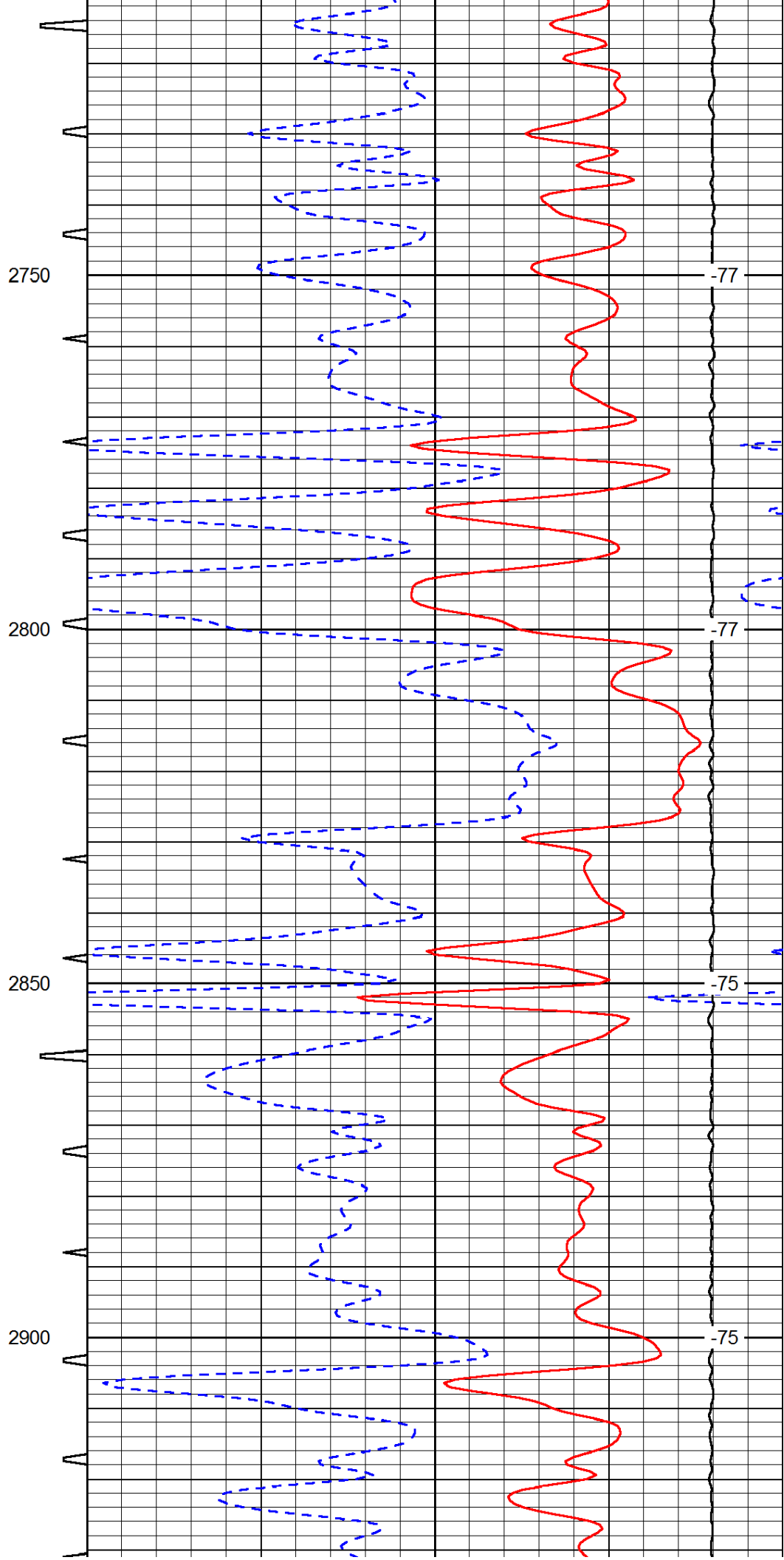
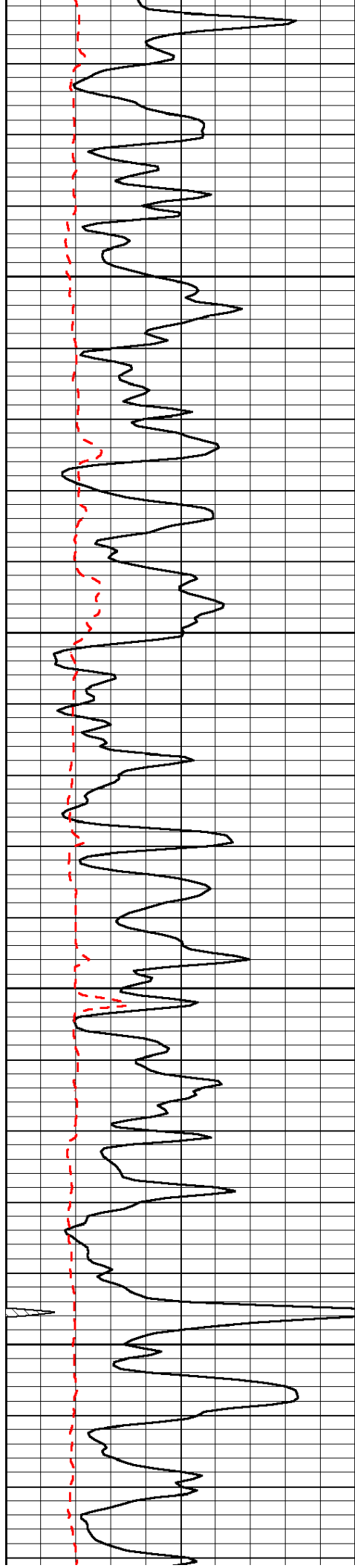


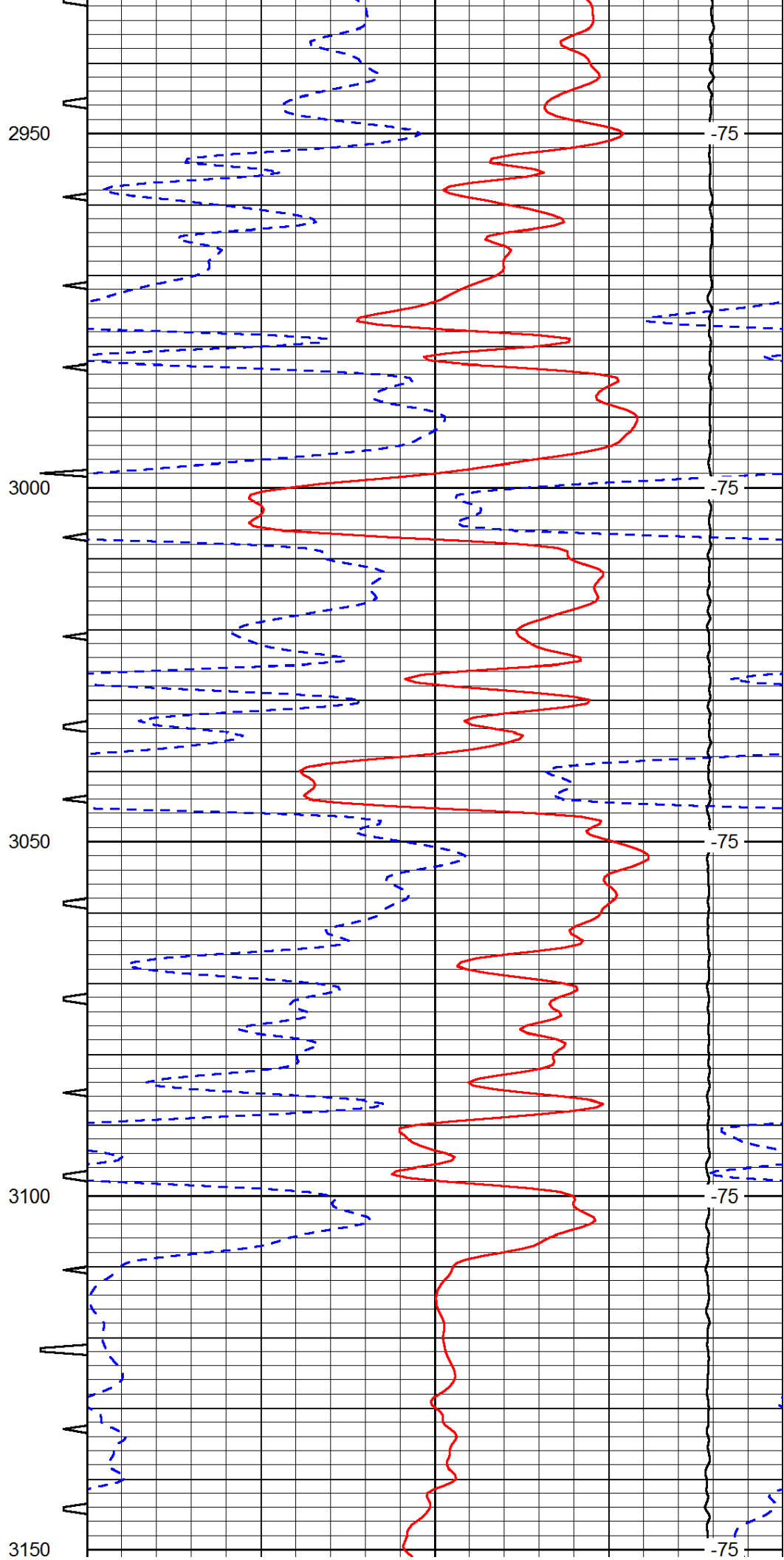
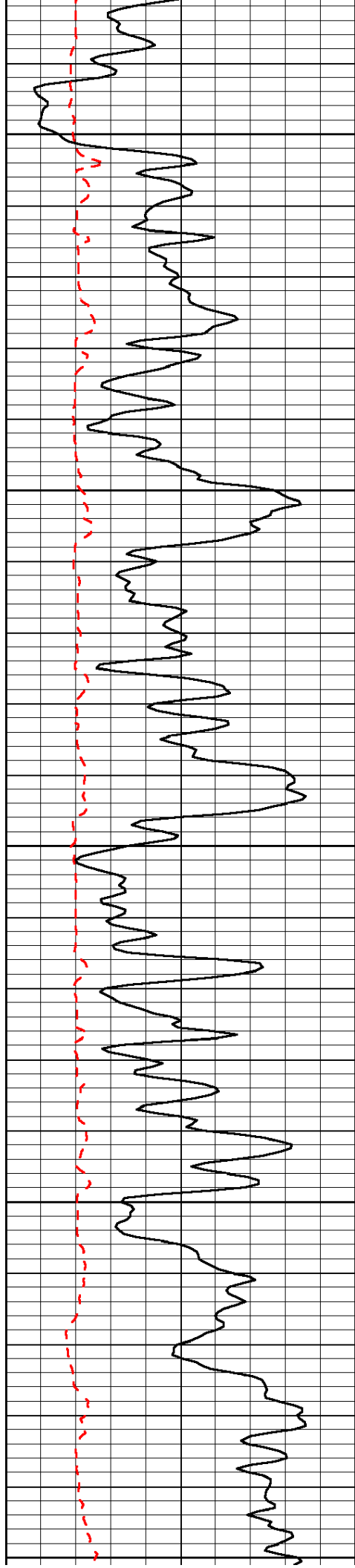


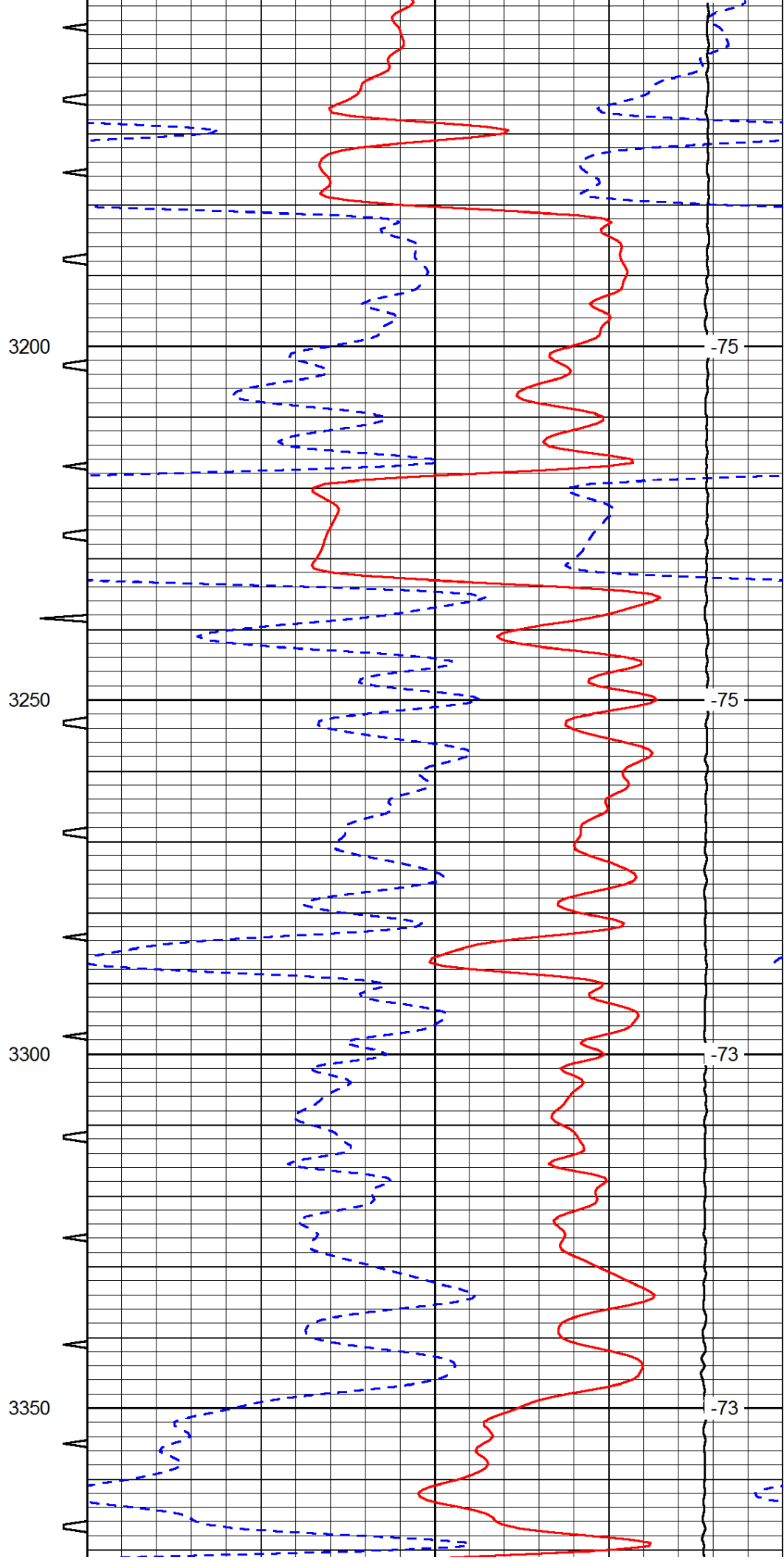
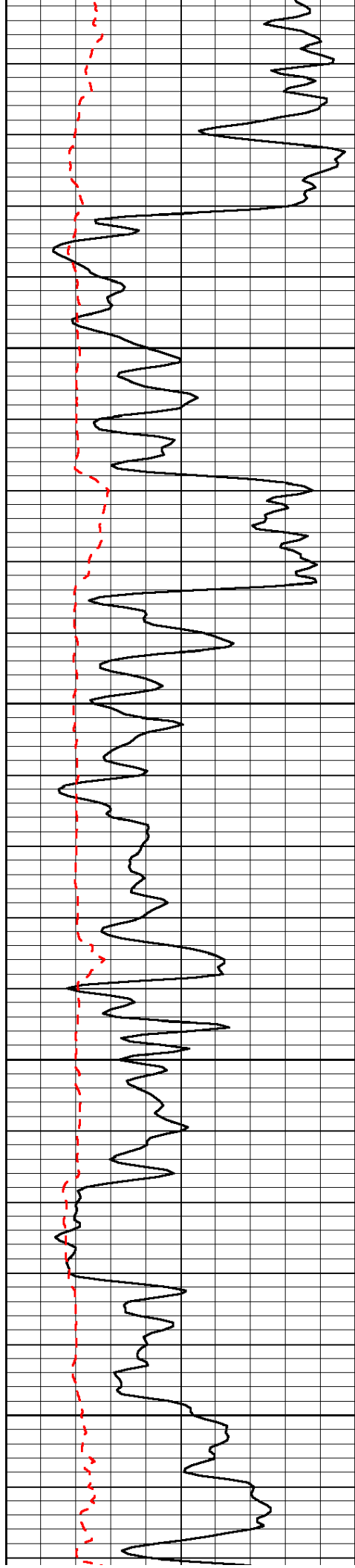


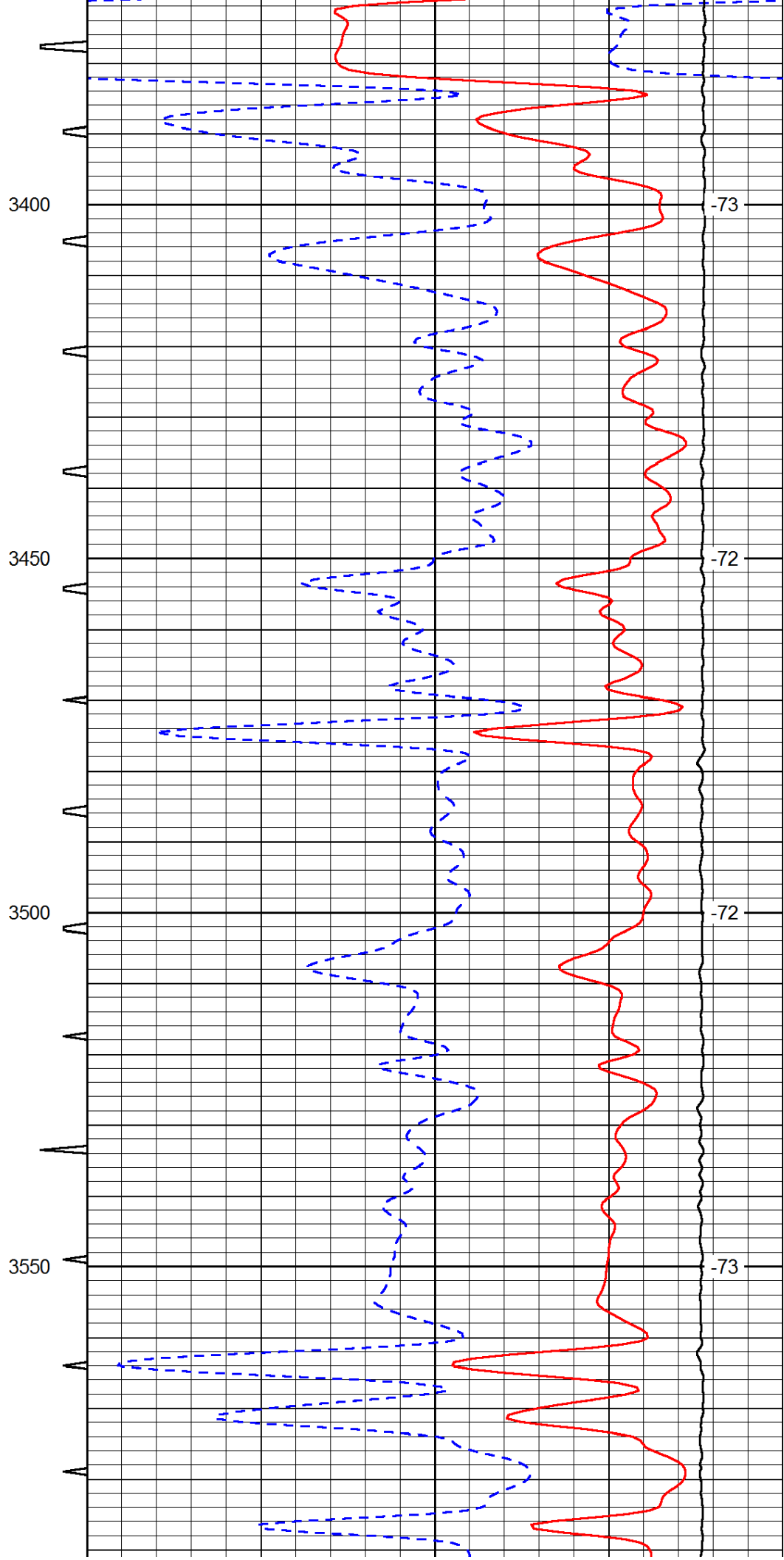
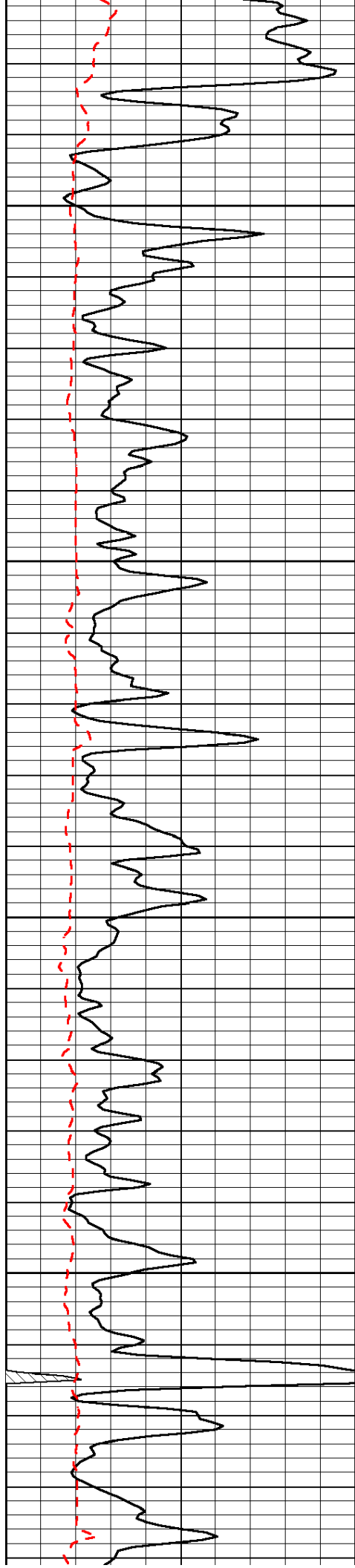


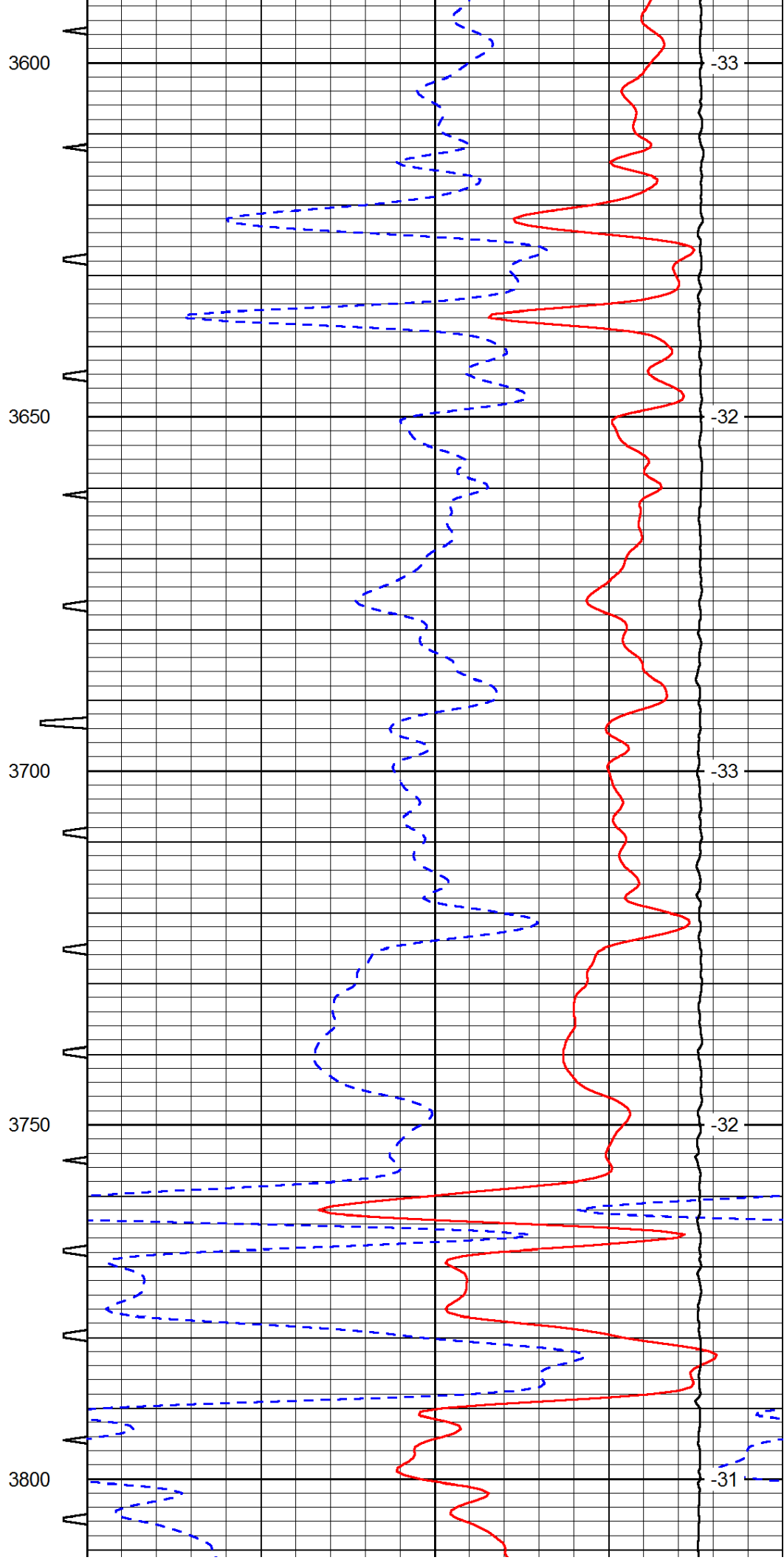
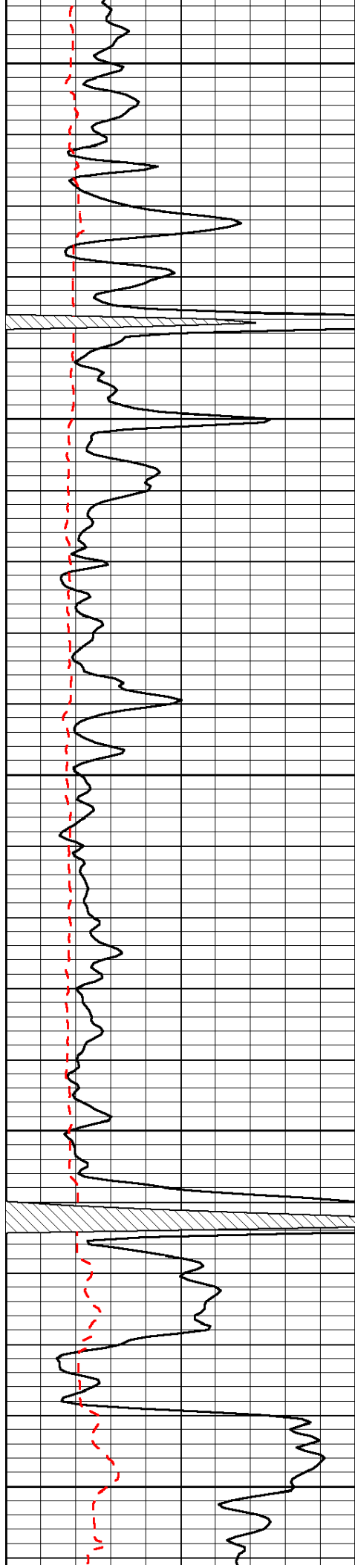


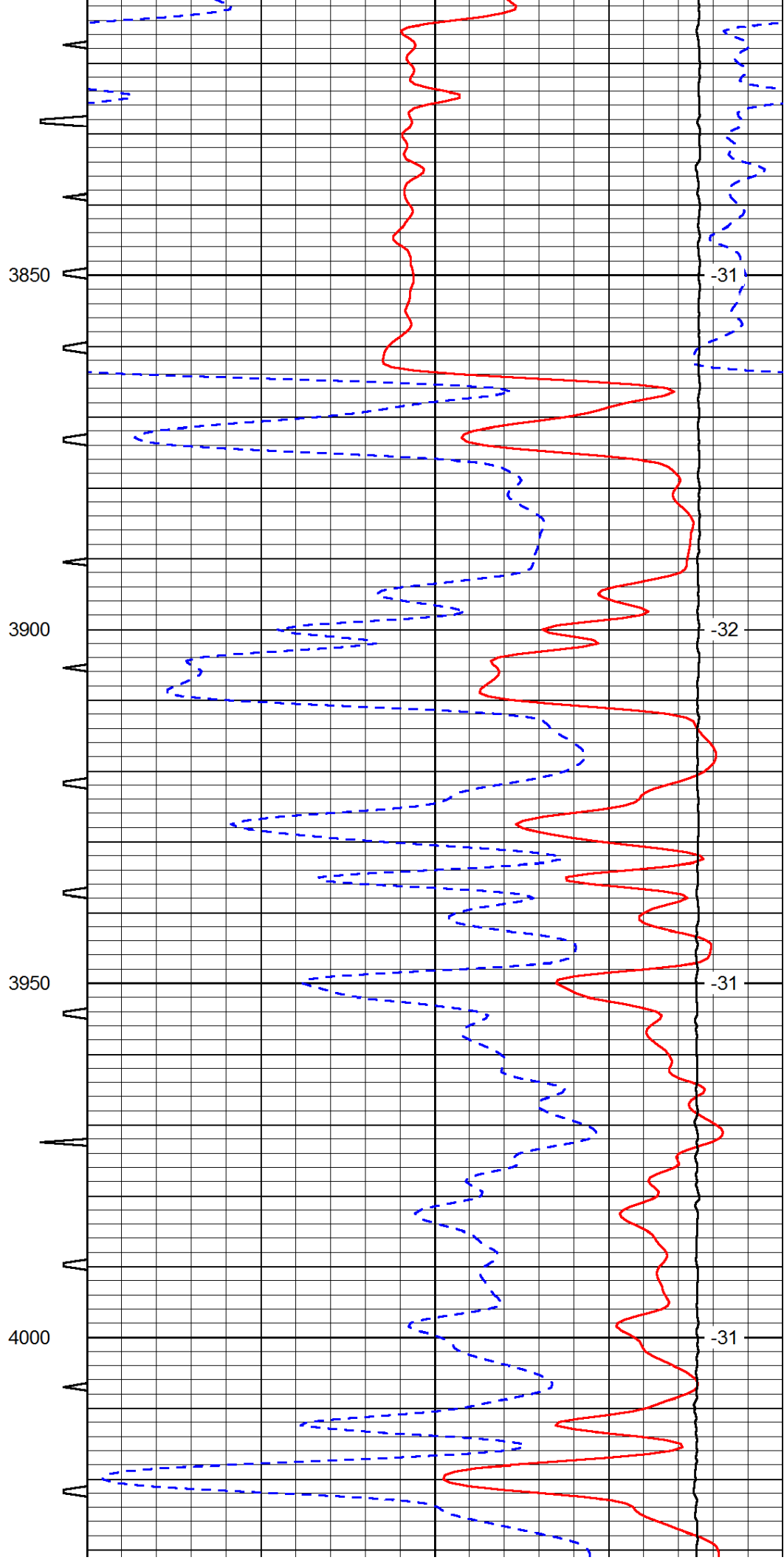
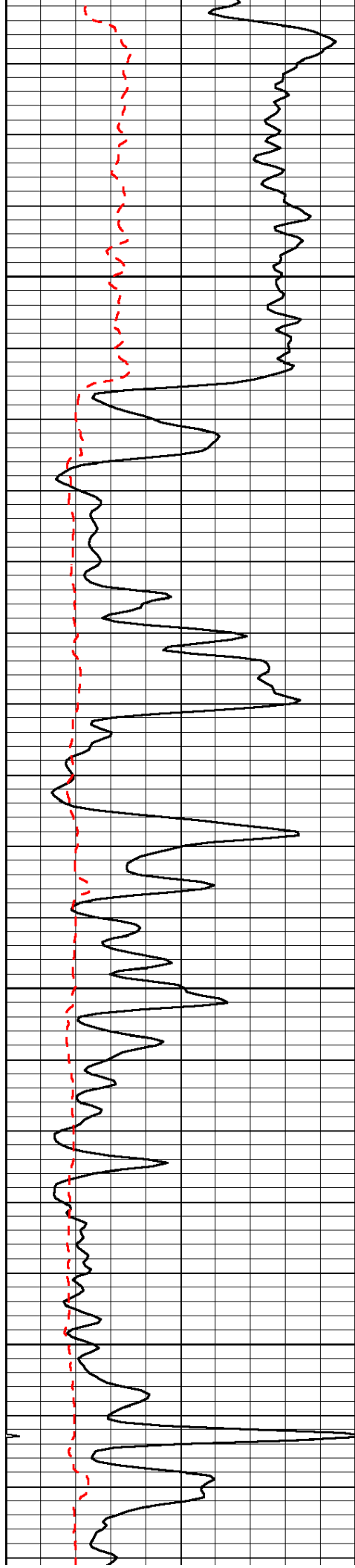


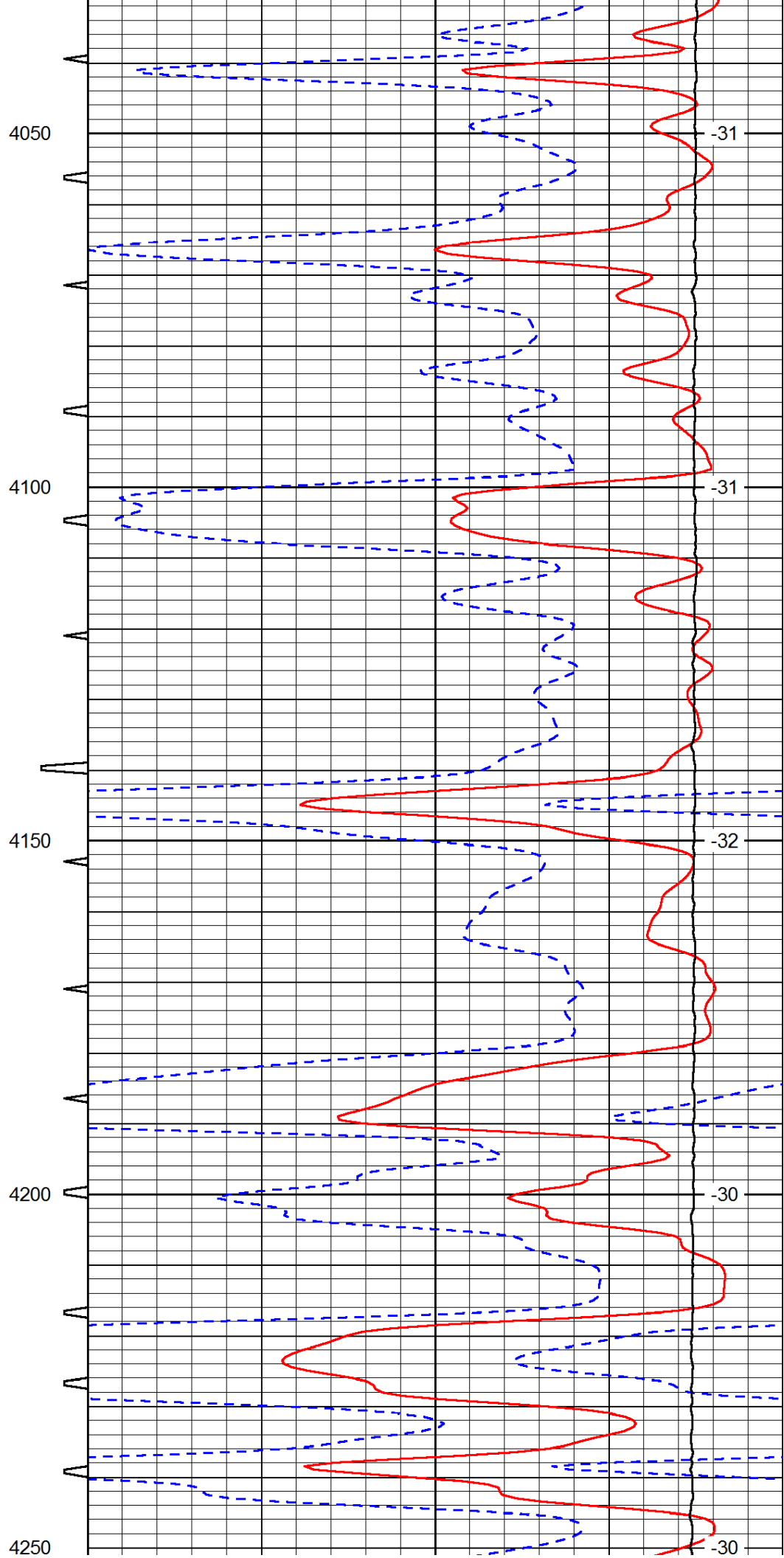
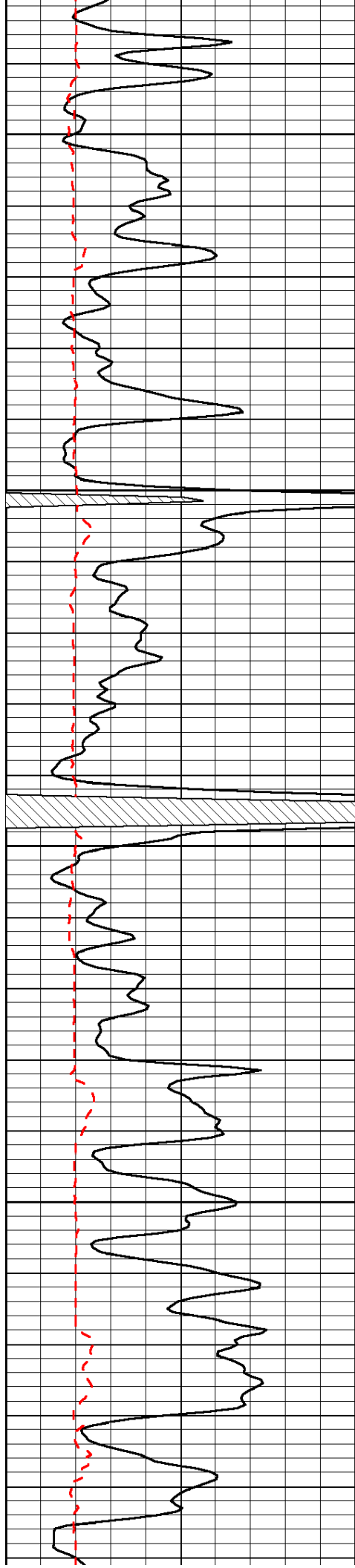


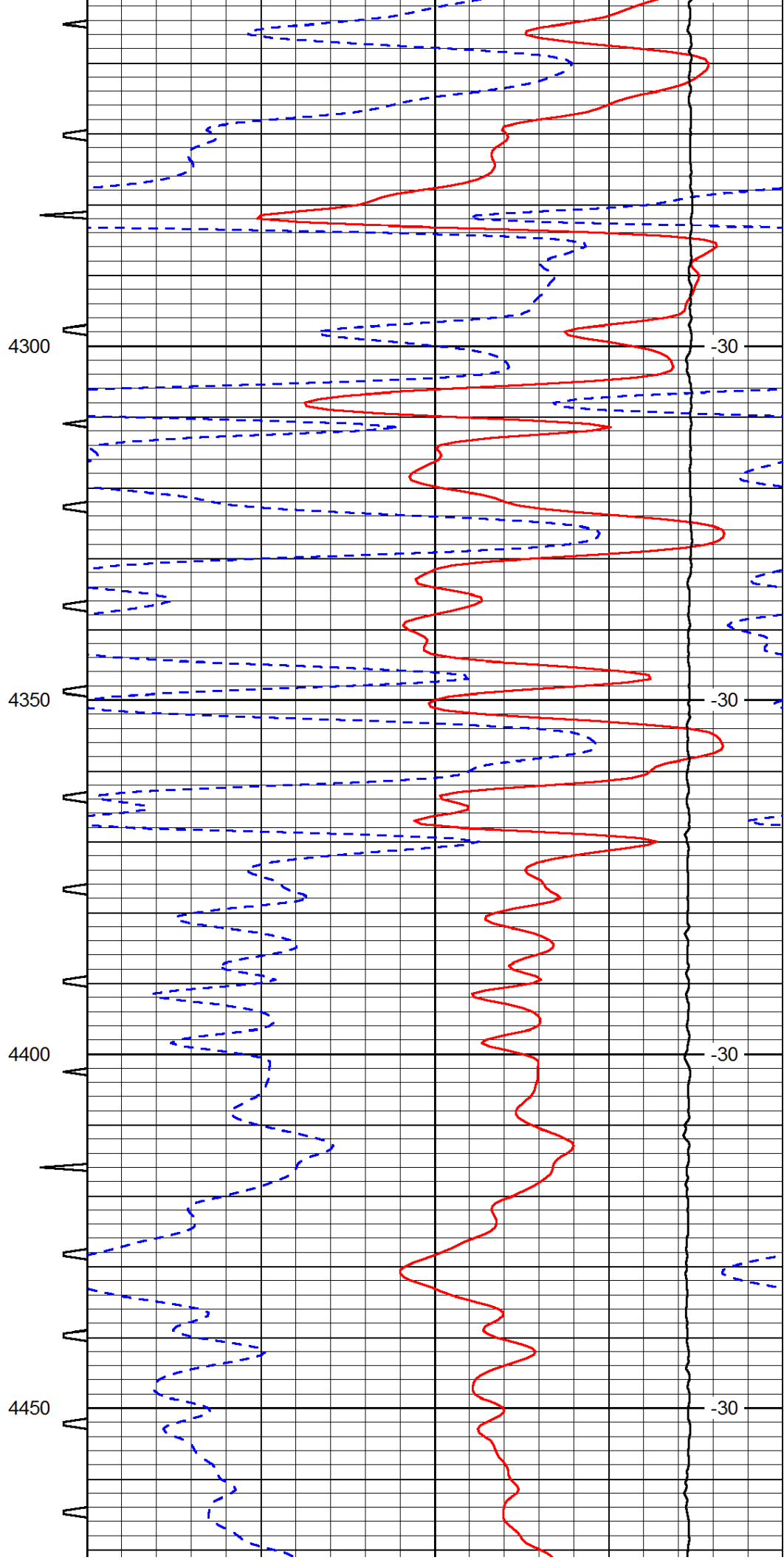
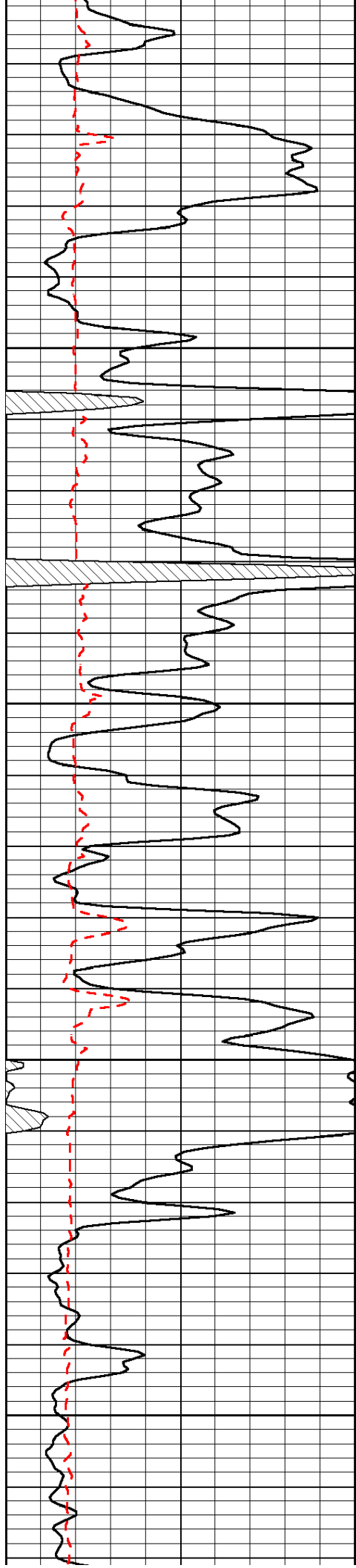


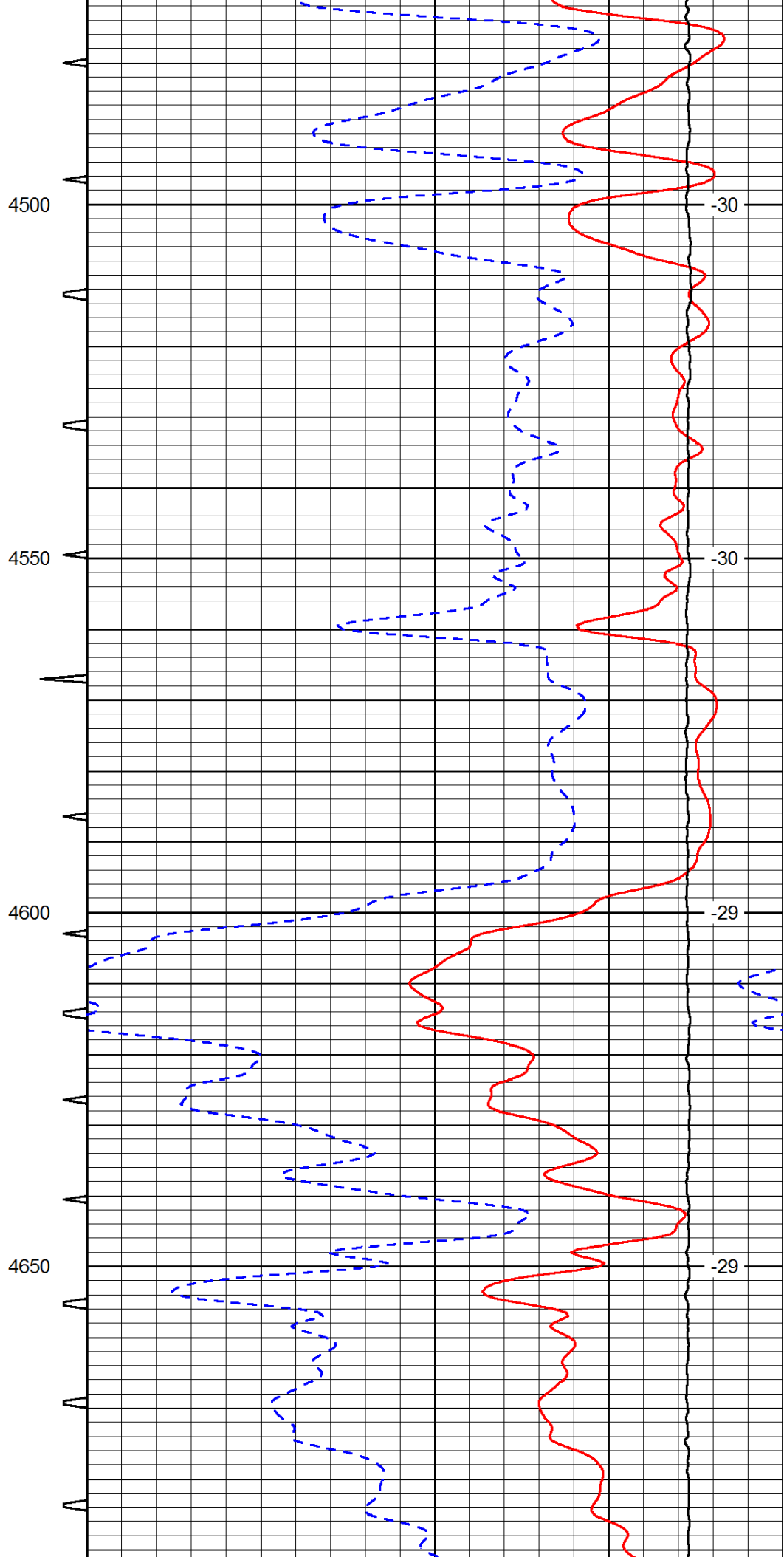
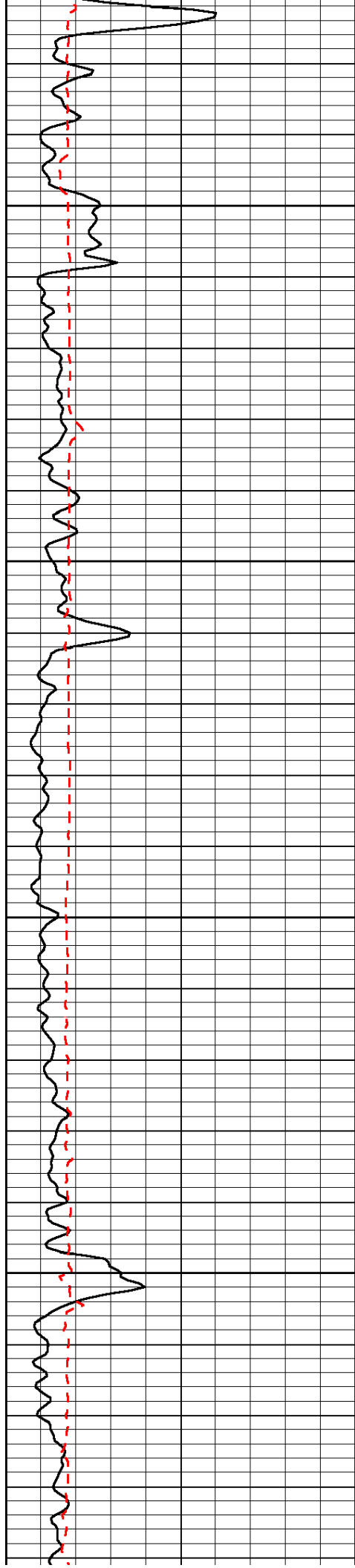


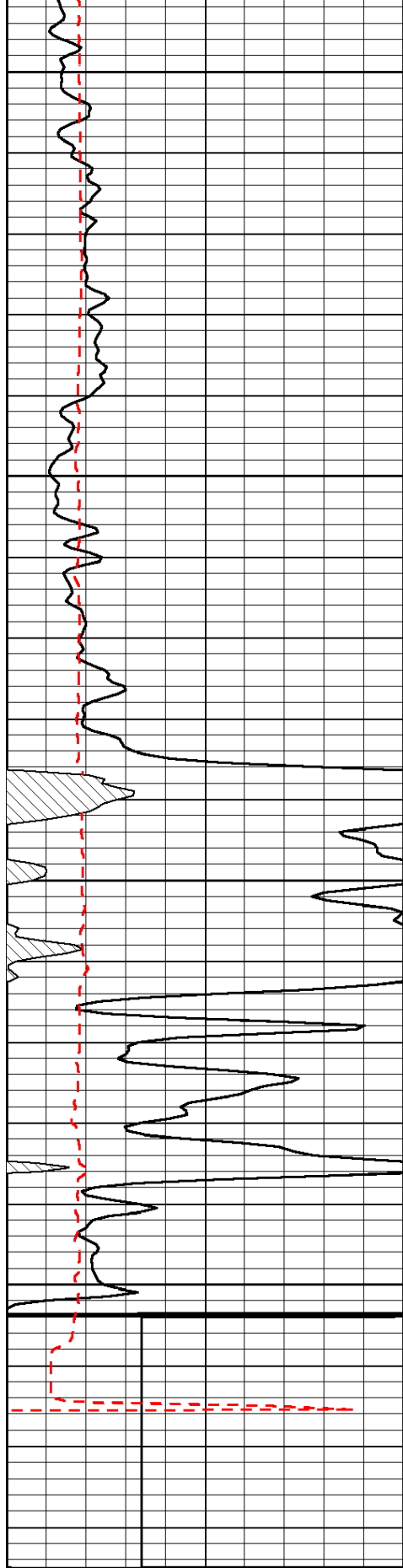




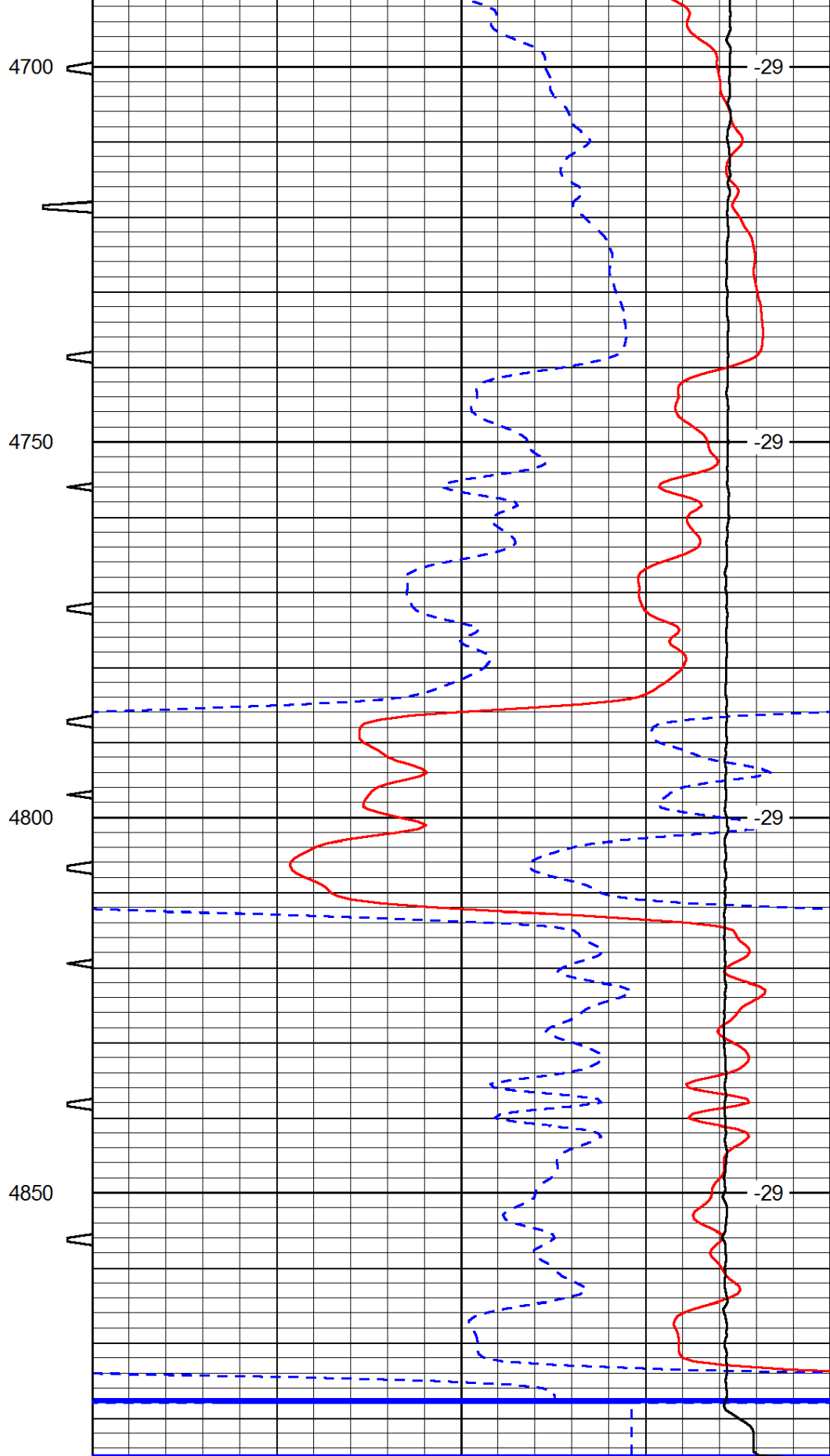








0	Gamma Ray	150
150	Gamma Ray	300
6	Caliper (GAPI)	16



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

LSPD