



Pioneer Energy Services

Borehole Compensated Sonic Log

Company Bennett & Schulte Oil Company
Well Zvolanek Heirs #33-1
Field Stoltenberg
County Ellsworth **State** Kansas

Location NW SW SE NW
 2008' FNL & 1596' FWL
Sec: 33 **Twp:** 15S **Rge:** 10W

Other Services
RAG/MEL

Permanent Datum Ground Level Elevation 1743
 Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
 Drilling Measured From Kelly Bushing

K.B. 1750
 D.F. 1743
 G.L. 1743

15-053-21,316-00-00

Date	9/30/2014
Run Number	Two
Type Log	BHC Sonic
Depth Driller	3337
Depth Logger	3332
Bottom Logged Interval	3321
Top Logged Interval	300
Type Fluid In Hole	Chemical
Salinity, PPM CL	10,000
Density	9.0
Level	Full
Max. Rec. Temp. F	109
Operating Rig Time	4 Hours
Equipment -- Location	15 Hays
Recorded By	D.Kerr
Witnessed By	Bob Hopkins

Borehole Record		Casing Record					
Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	305	8.625	23#	00	305
Two	7.875	305	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.

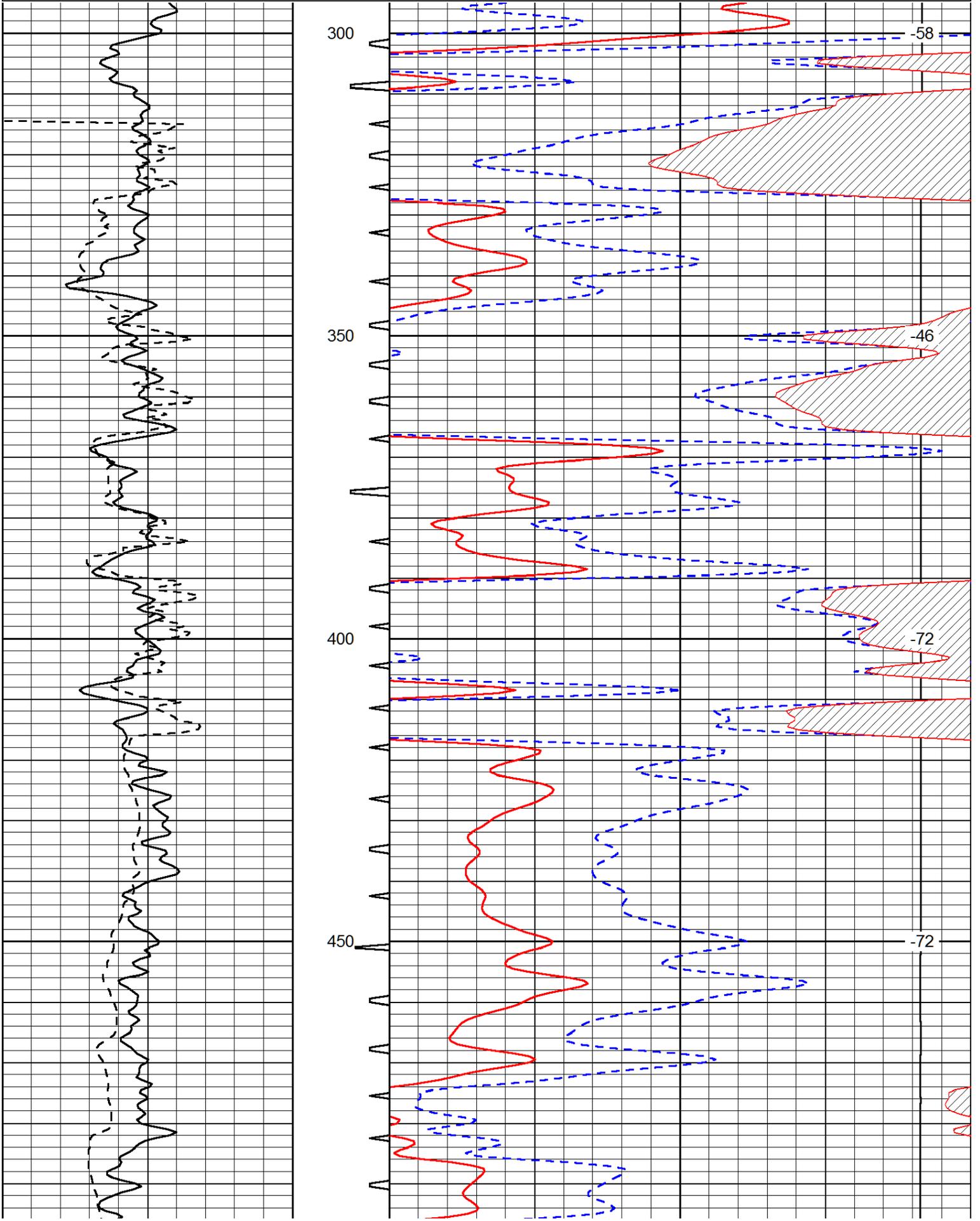
Comments

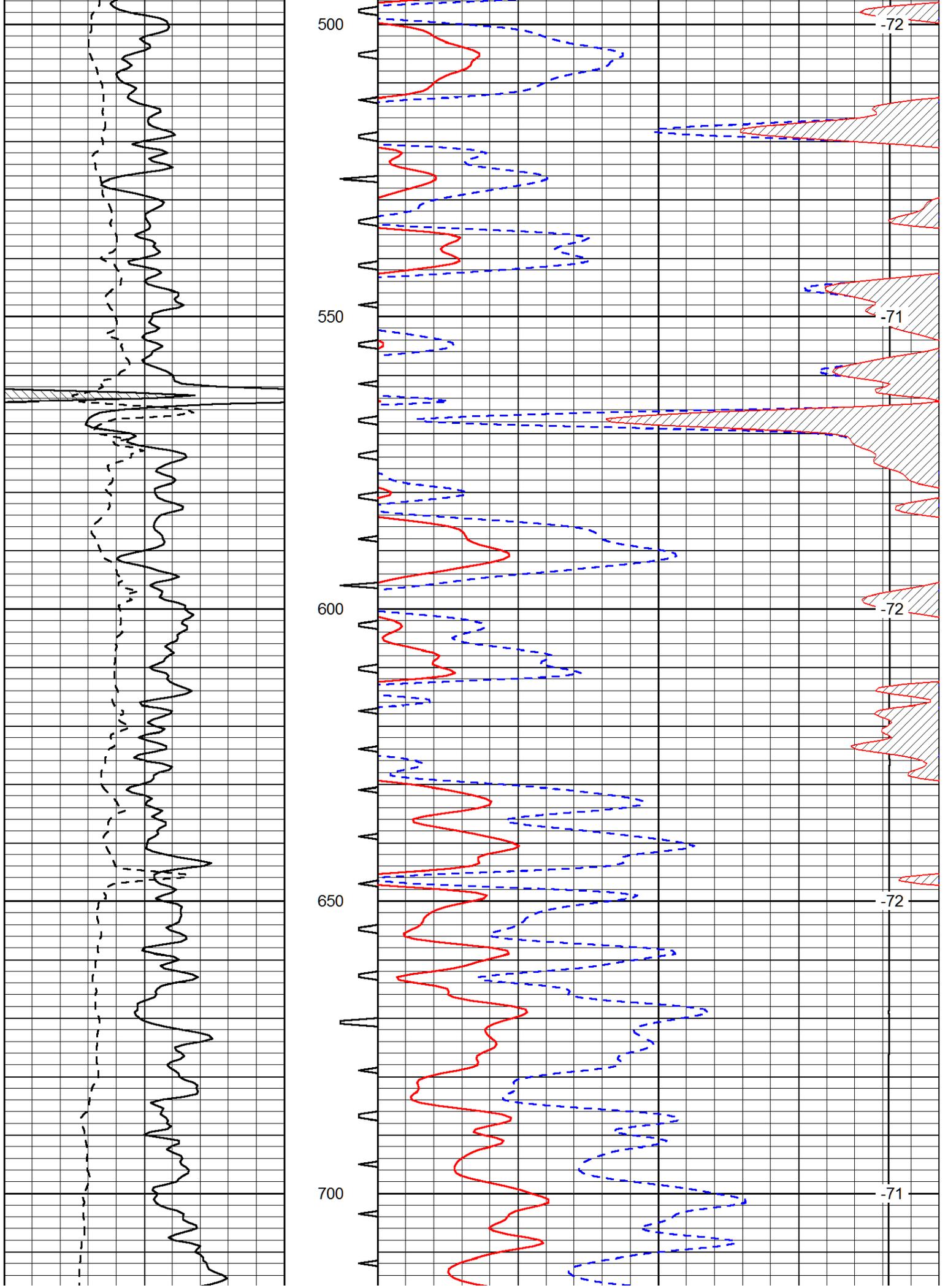
Thank you for using Log-Tech, Inc.
(785) 625-3858

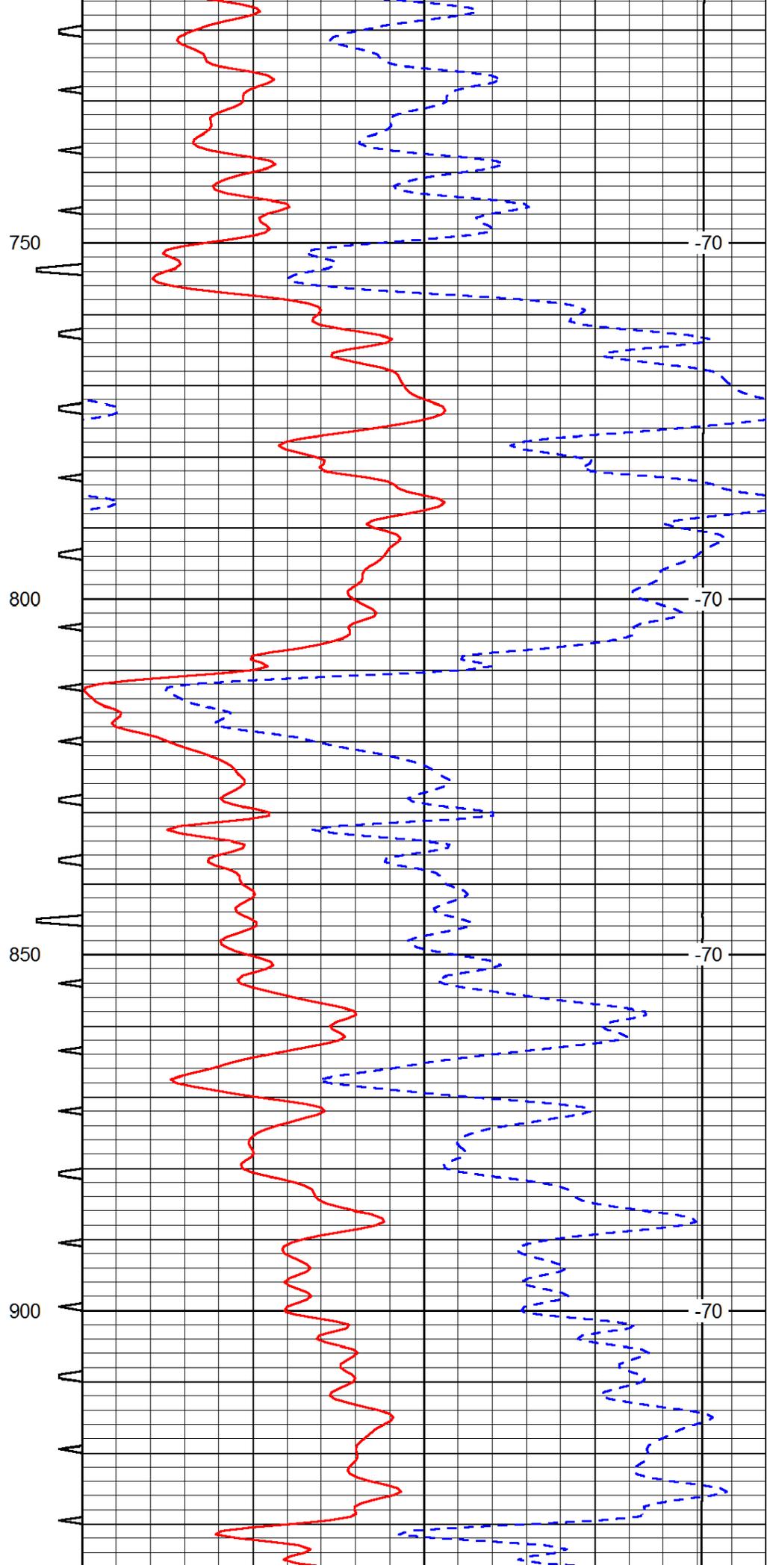
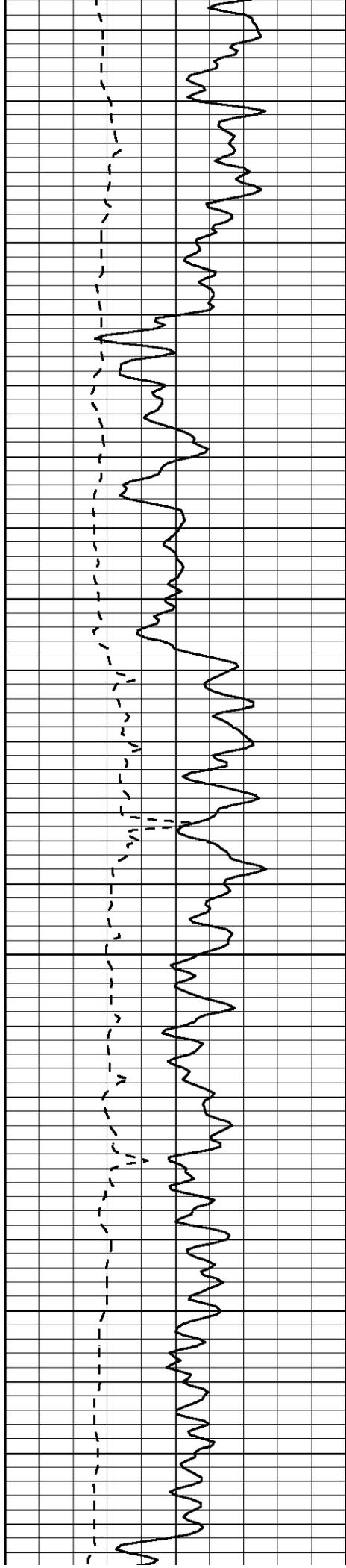
Wilson KS, South to K RD,
2 East, 1 1/2 South, East Into

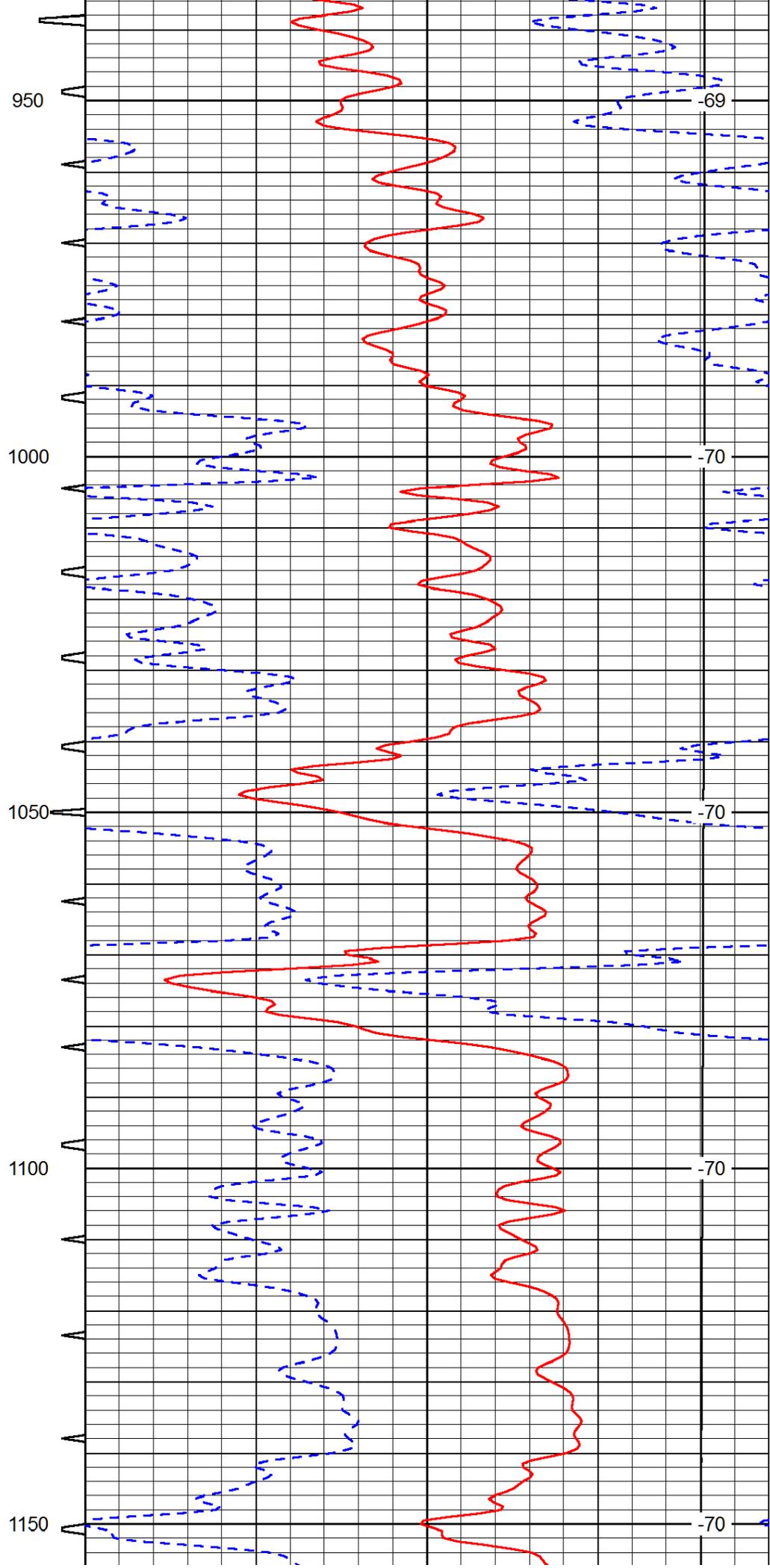
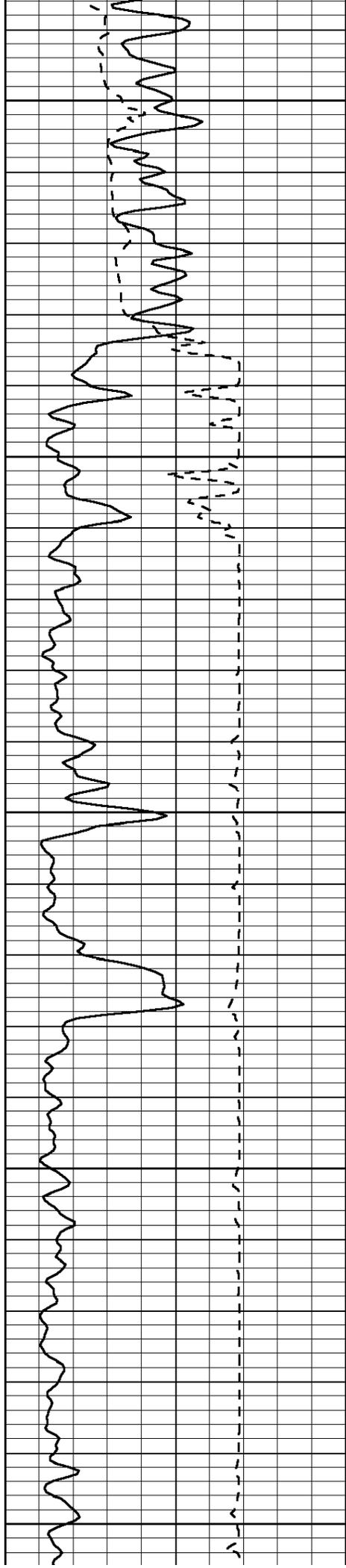
Database File: bennet&schulte_zvolanekheirs_33_1hd.db
 Dataset Pathname: RAG/bsrag
 Presentation Format: sonic
 Dataset Creation: Tue Sep 30 16:29:18 2014
 Charted by: Depth in Feet scaled 1:240

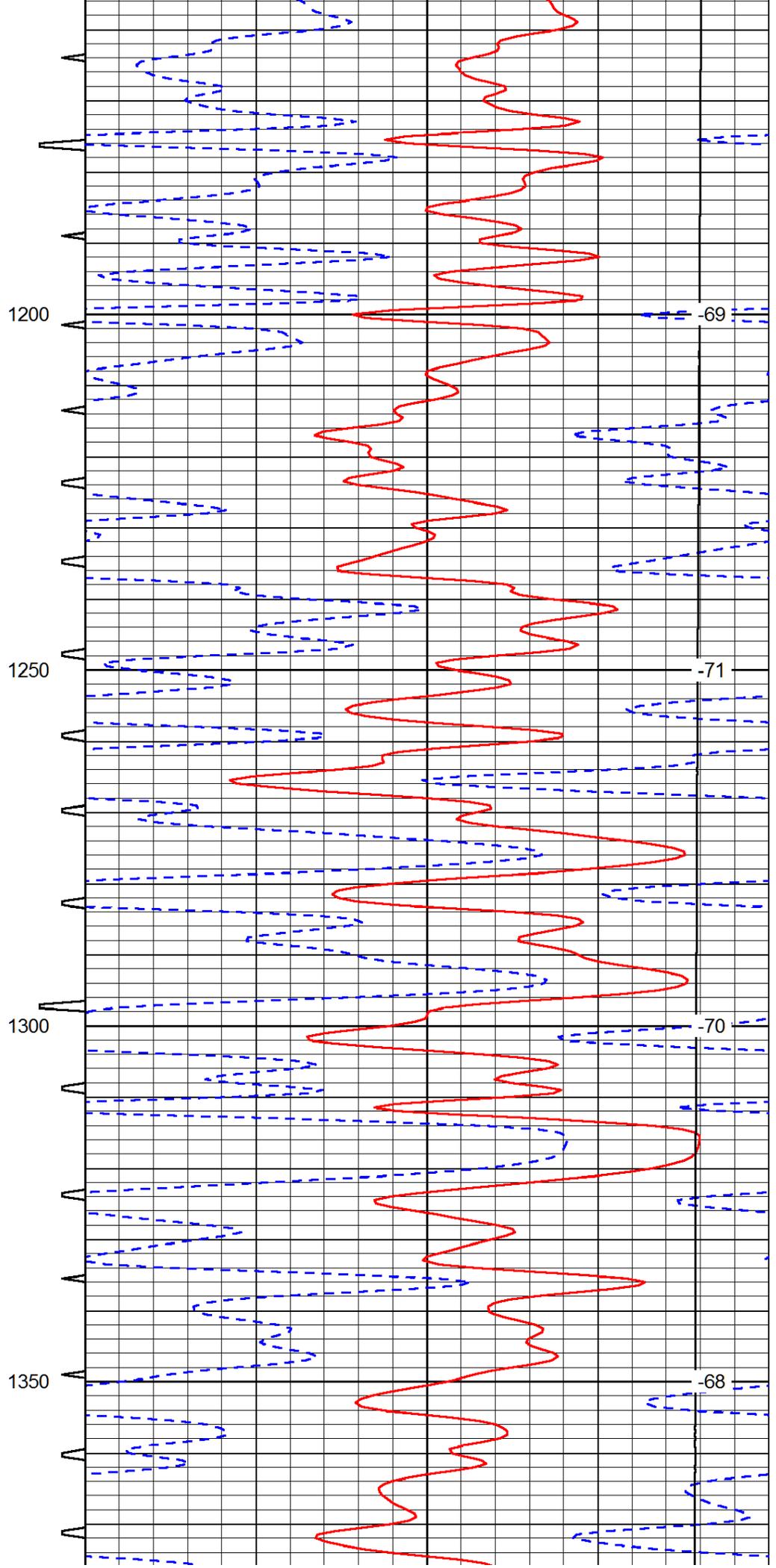
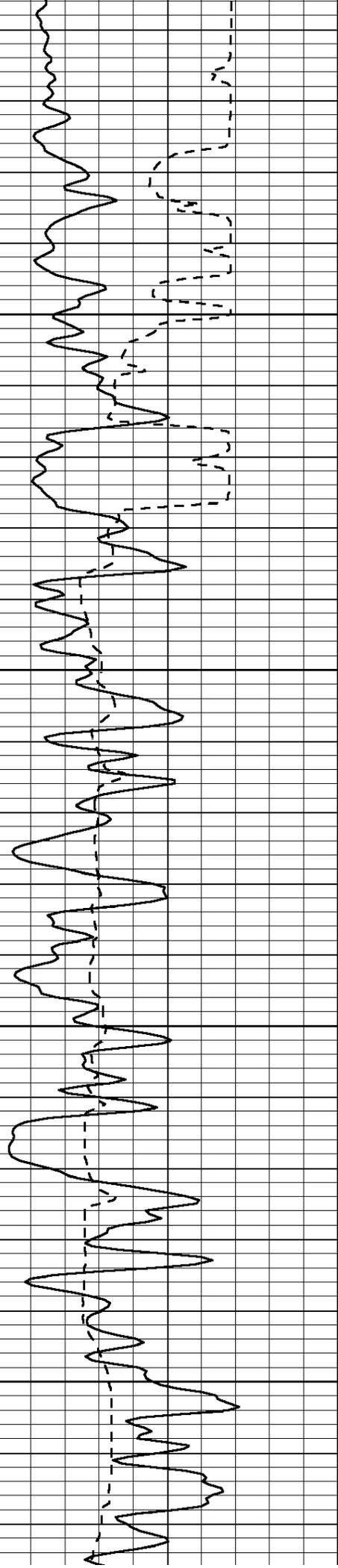
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40
150	Gamma Ray	300	5	0	Sonic Porosity	-10
6	scal (GAPI)	16			LTEN (lb)	0
						LSPD

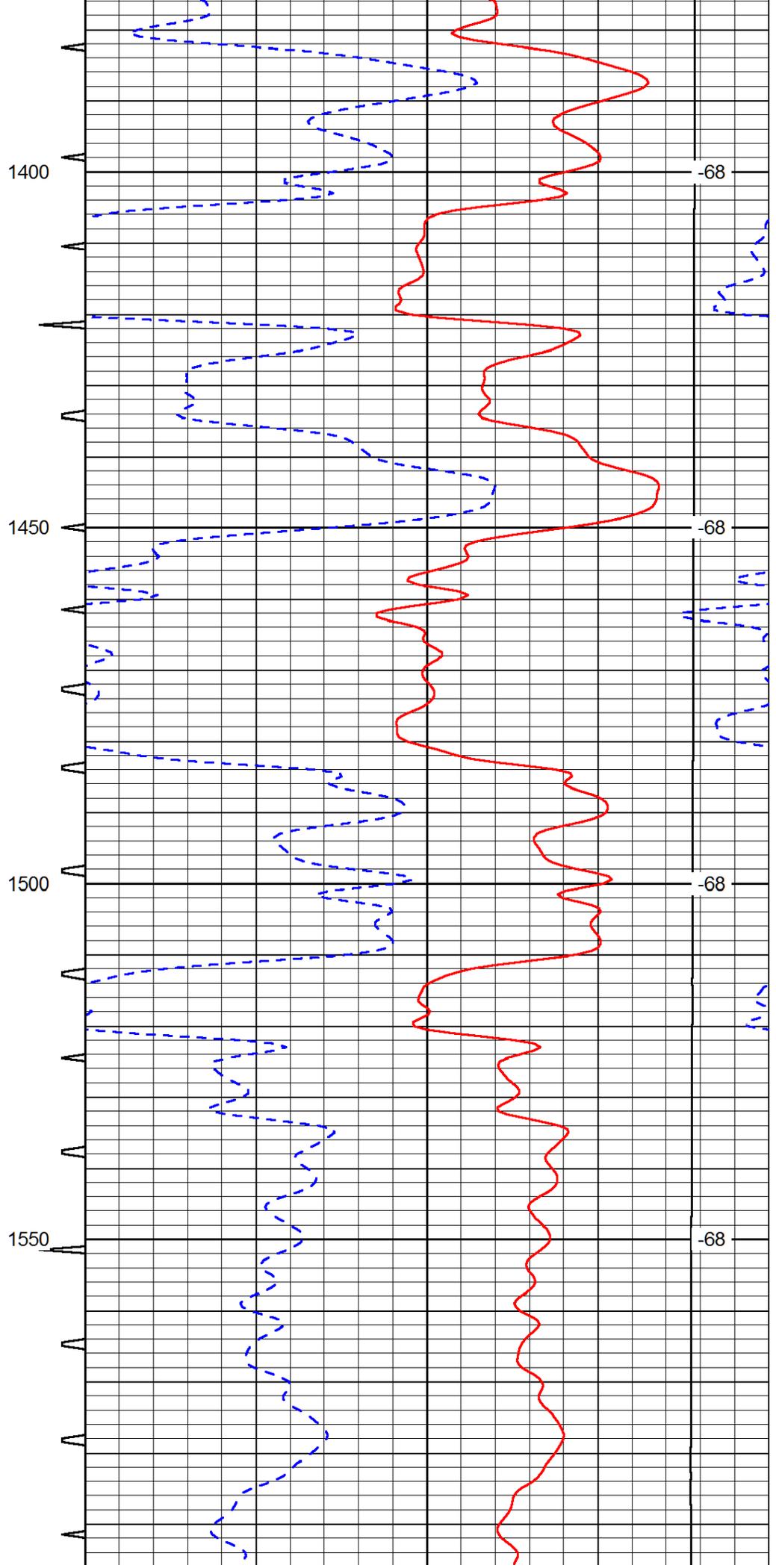
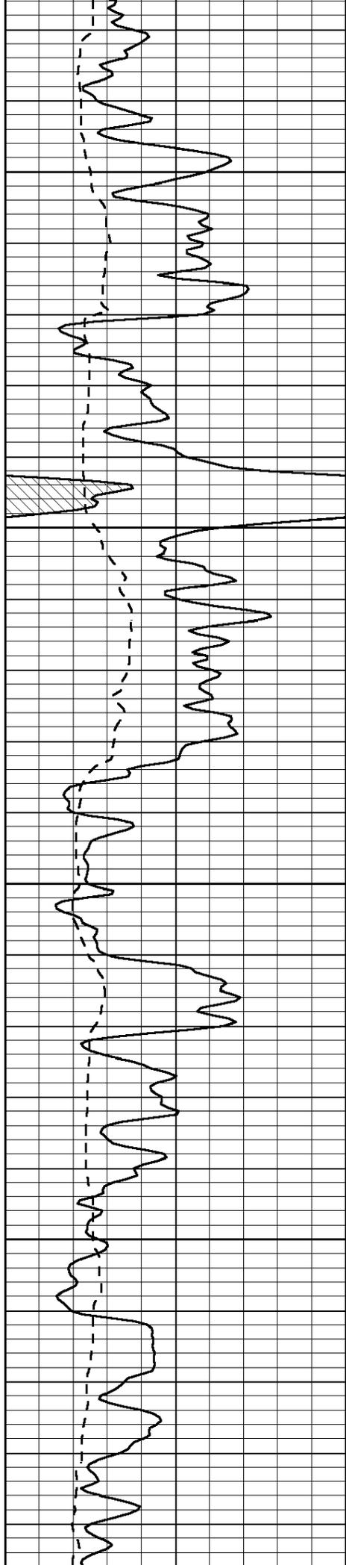


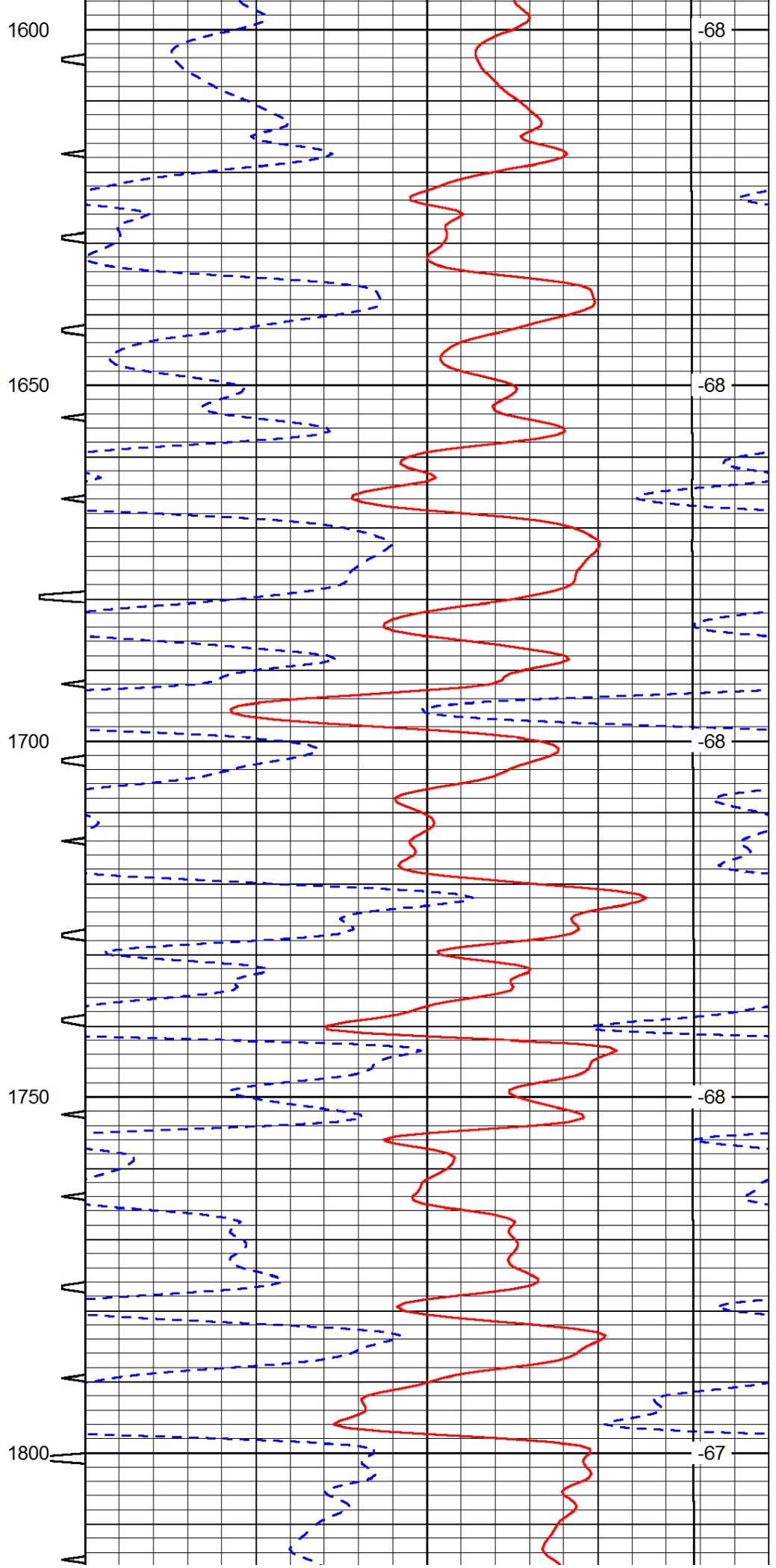
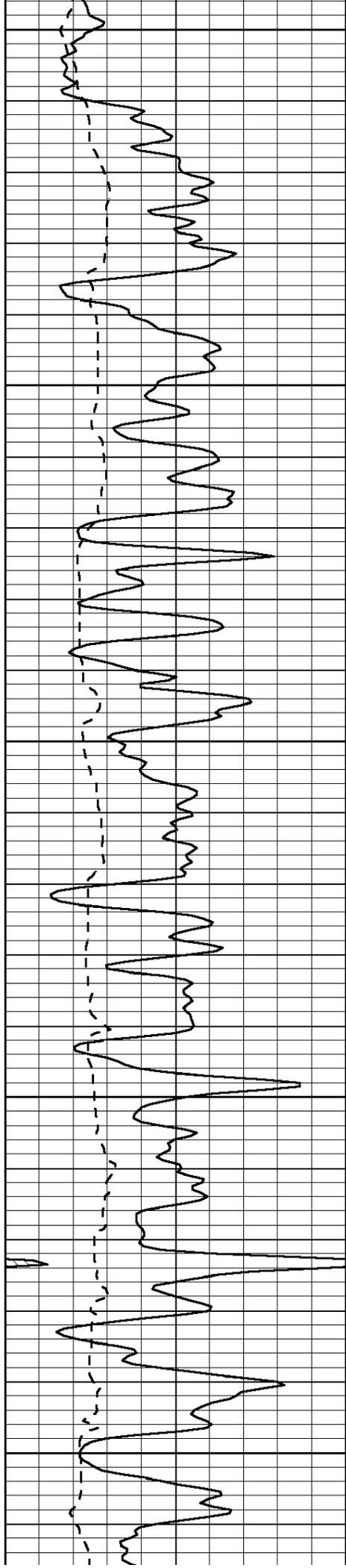


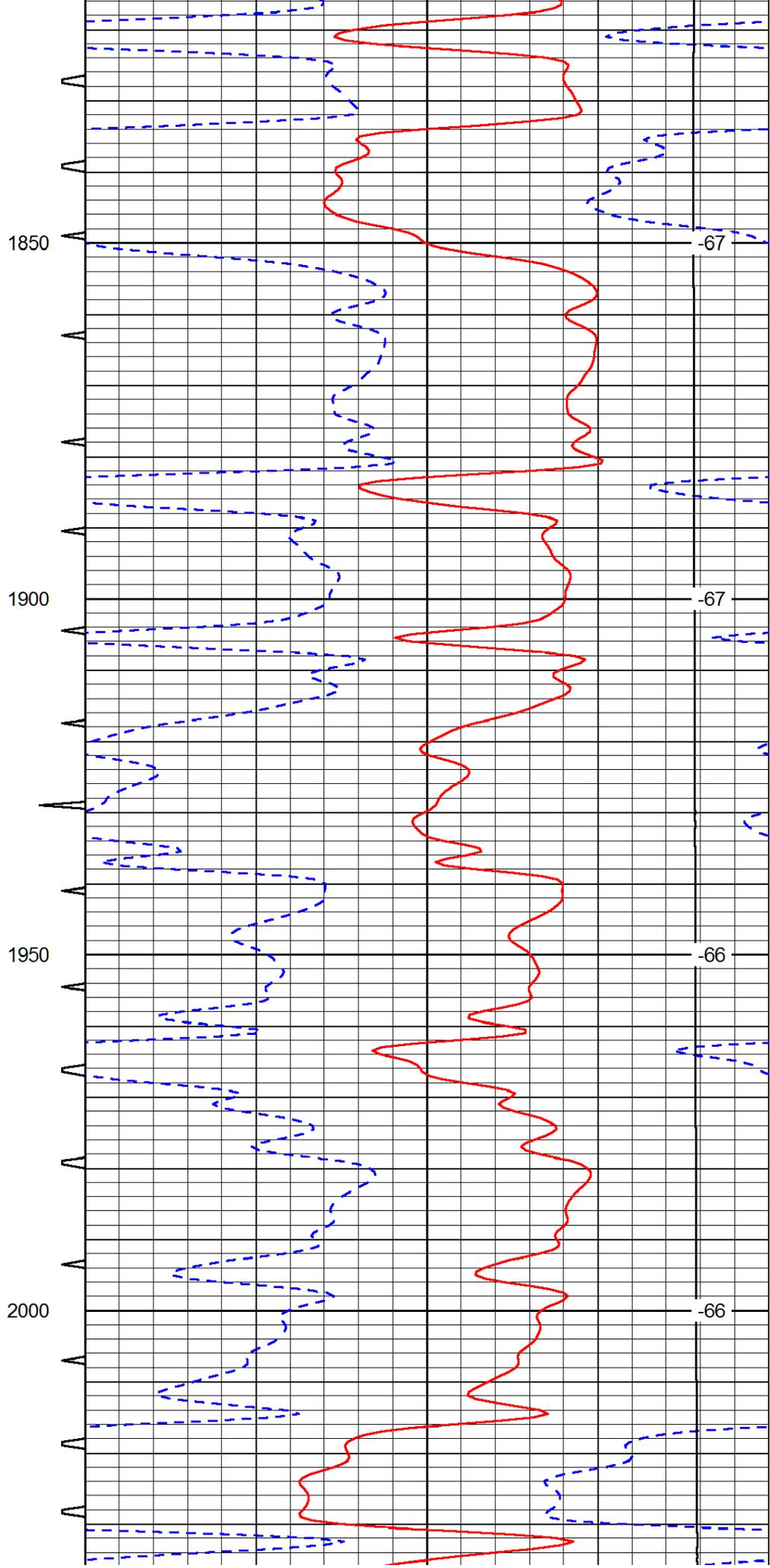
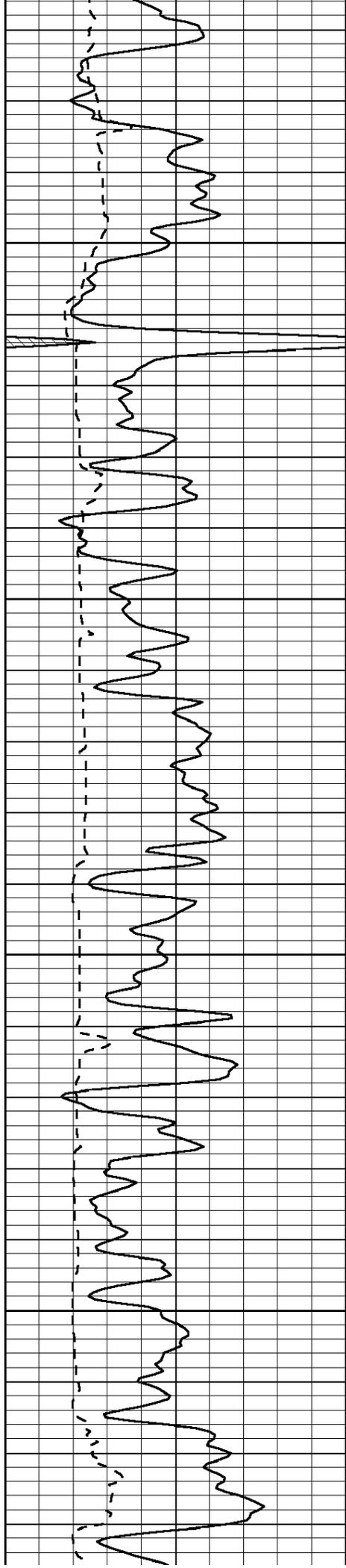


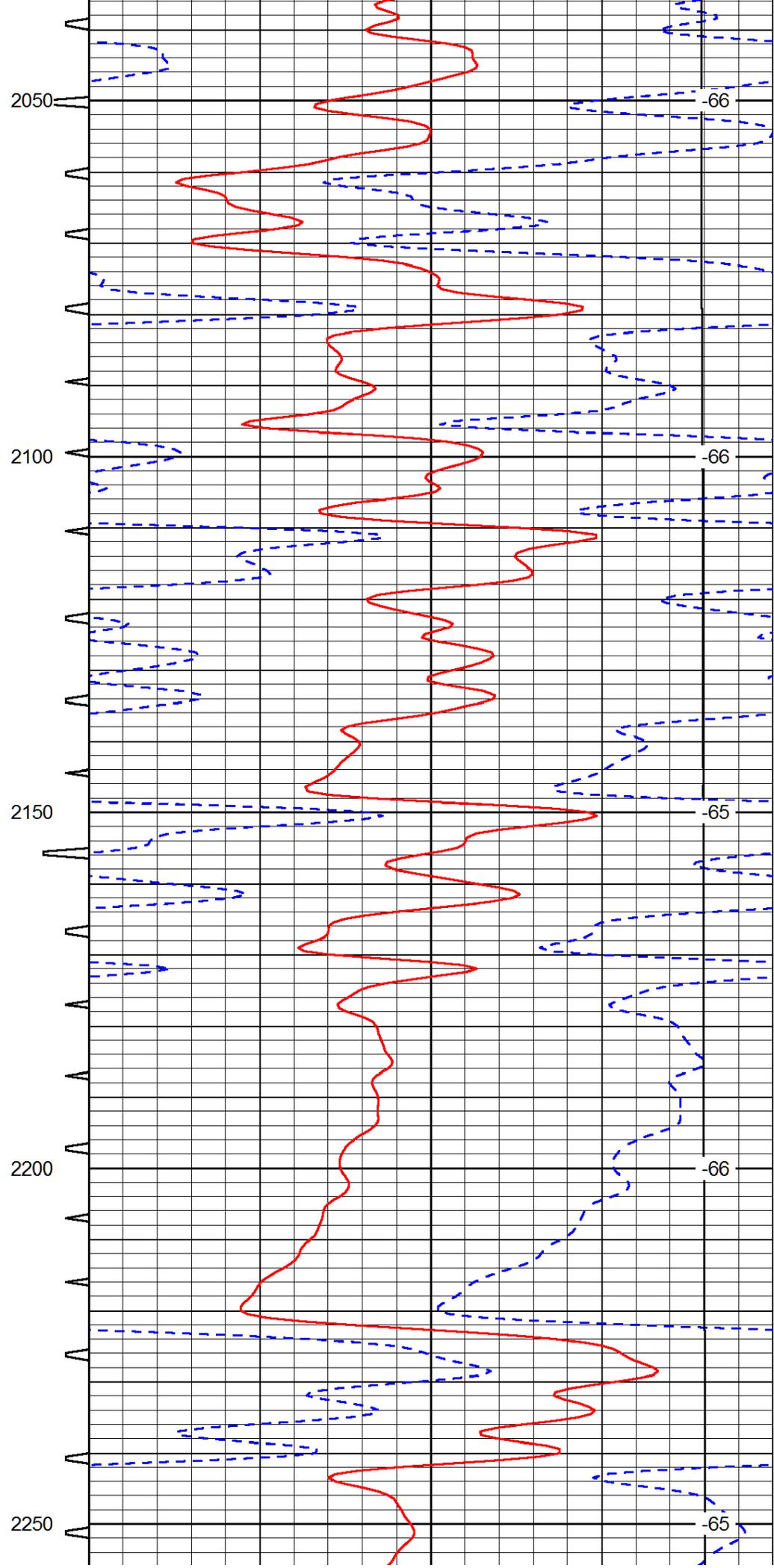
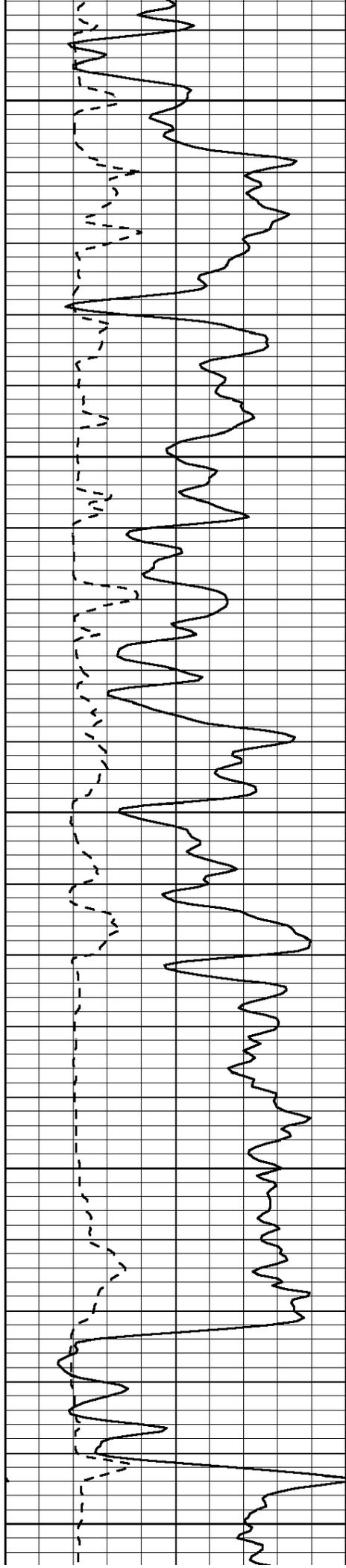


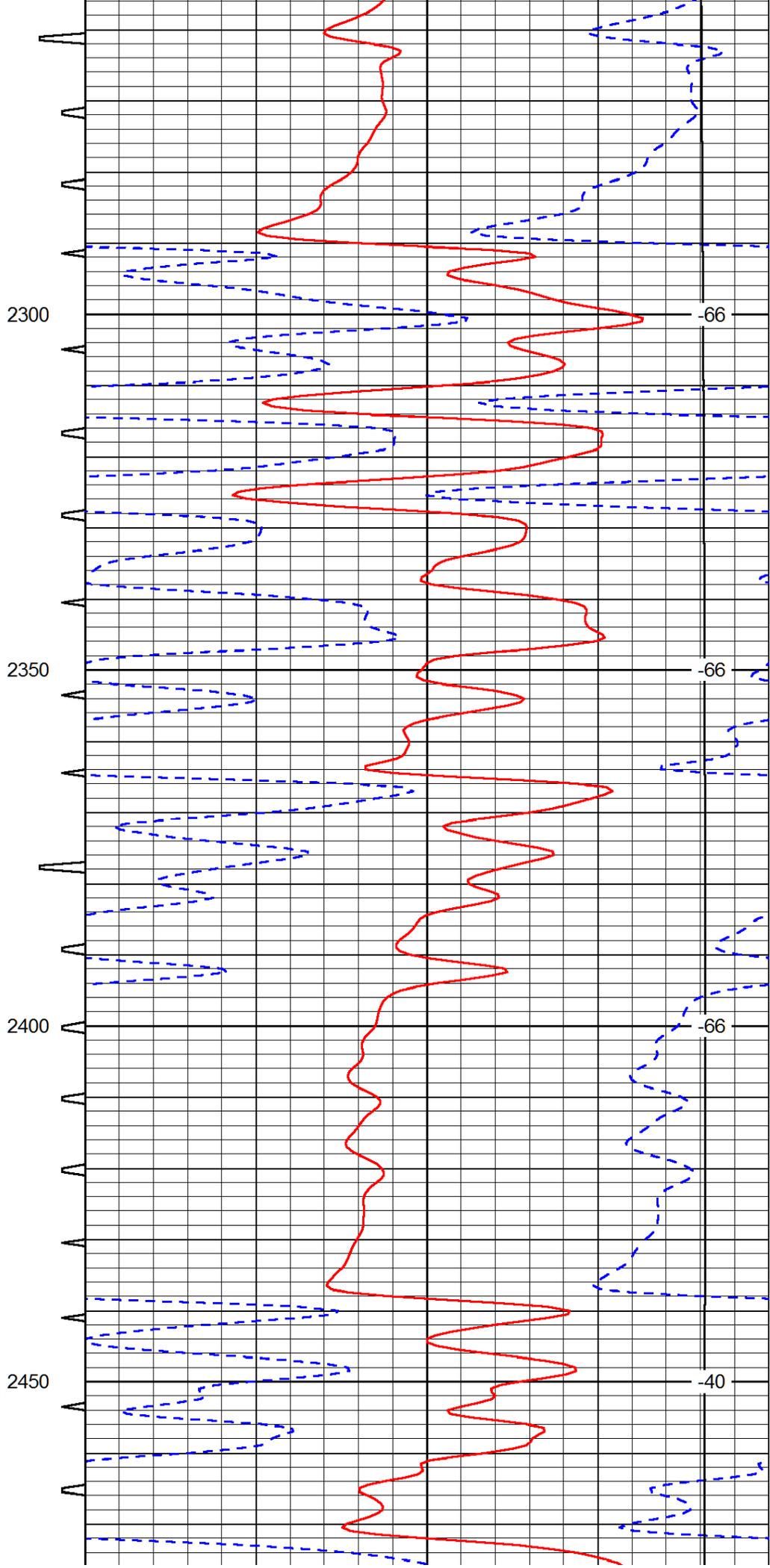
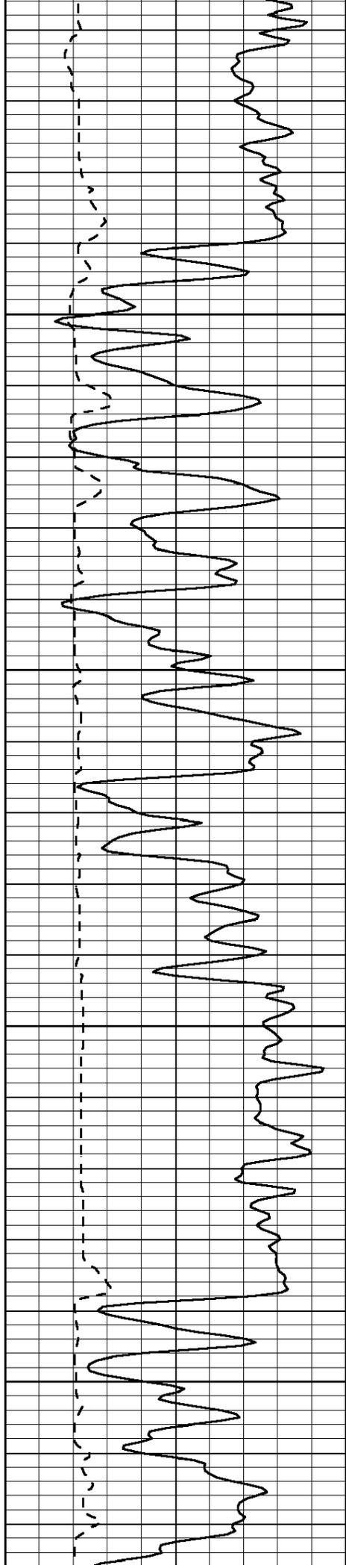


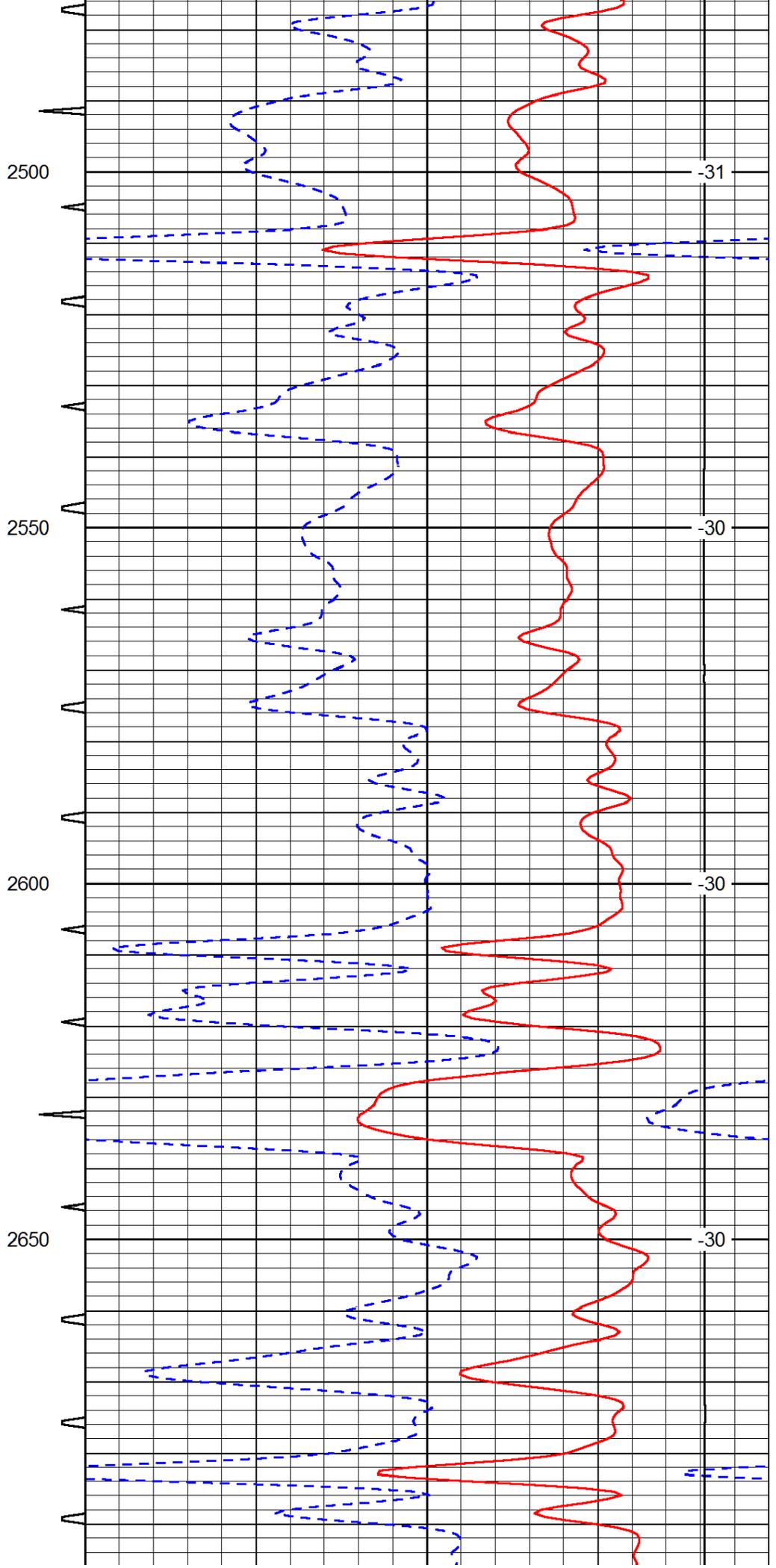
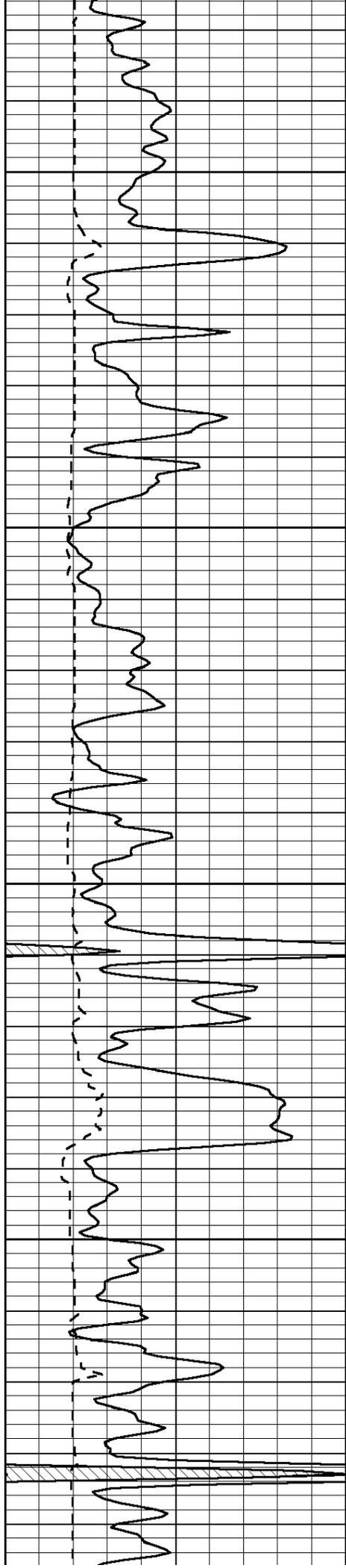


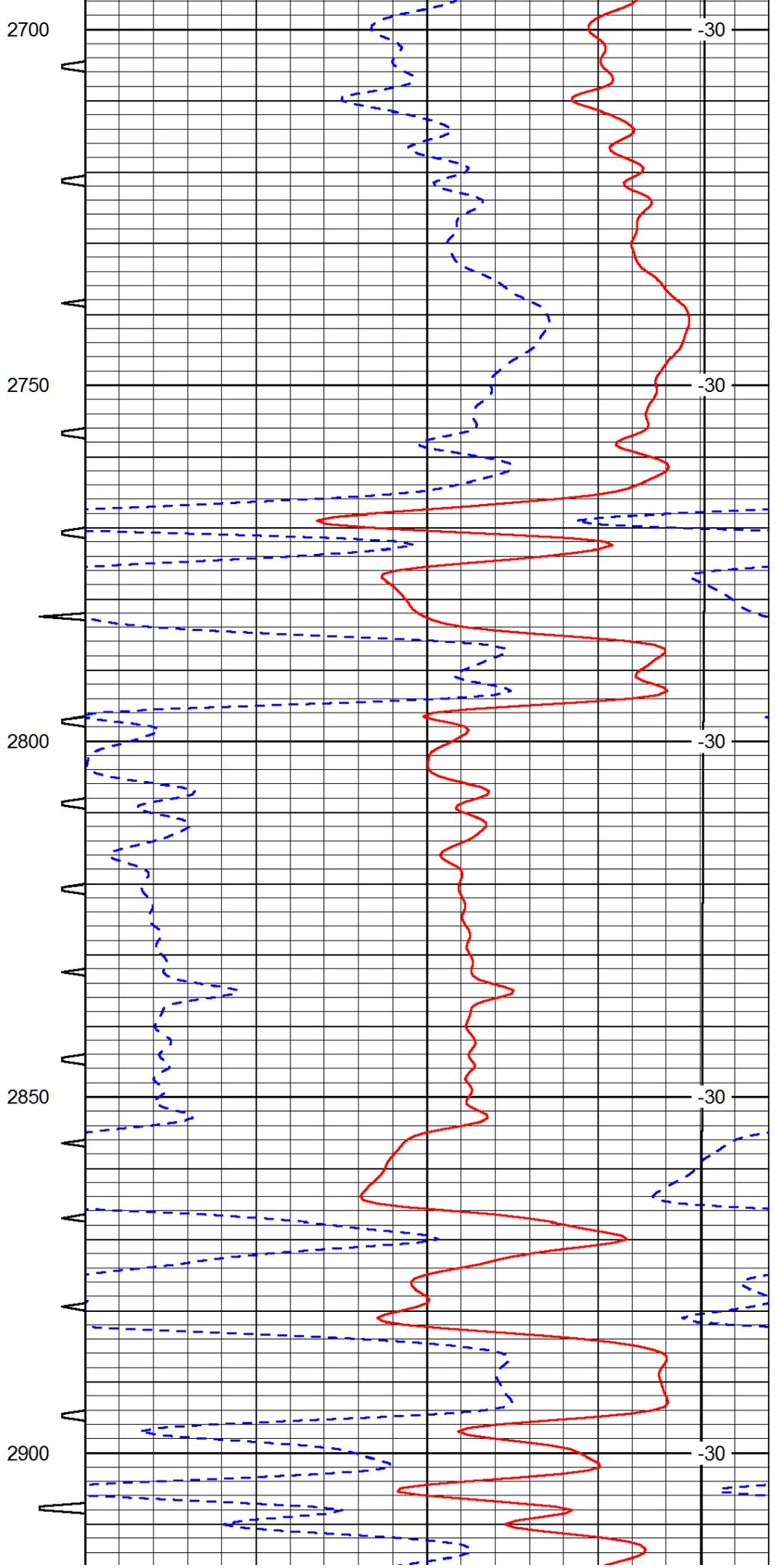
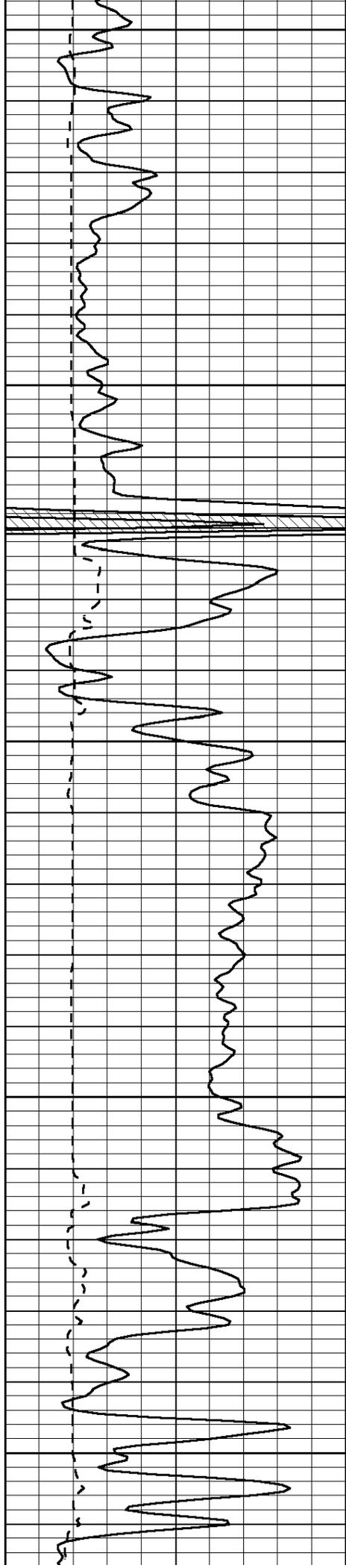


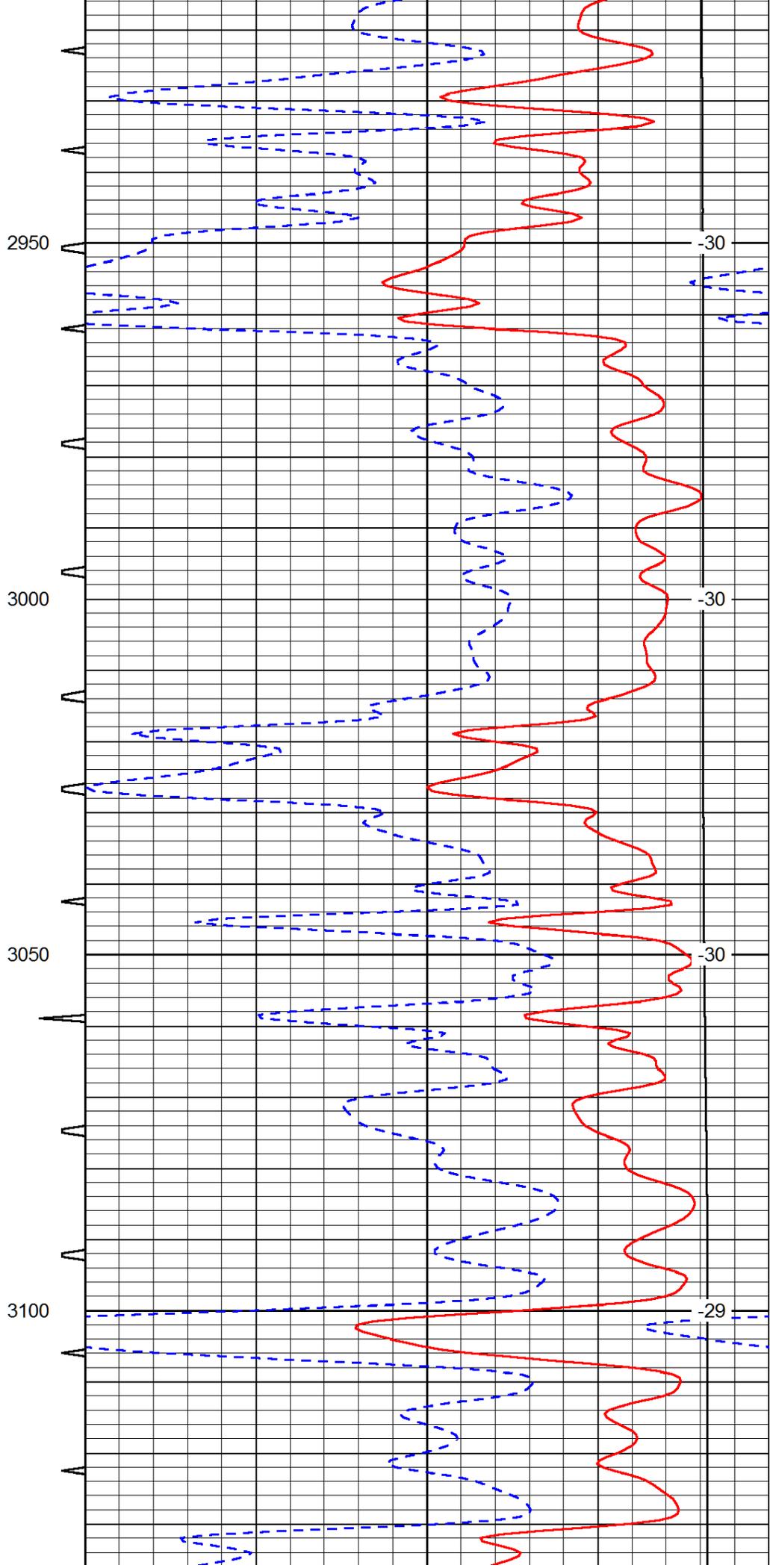
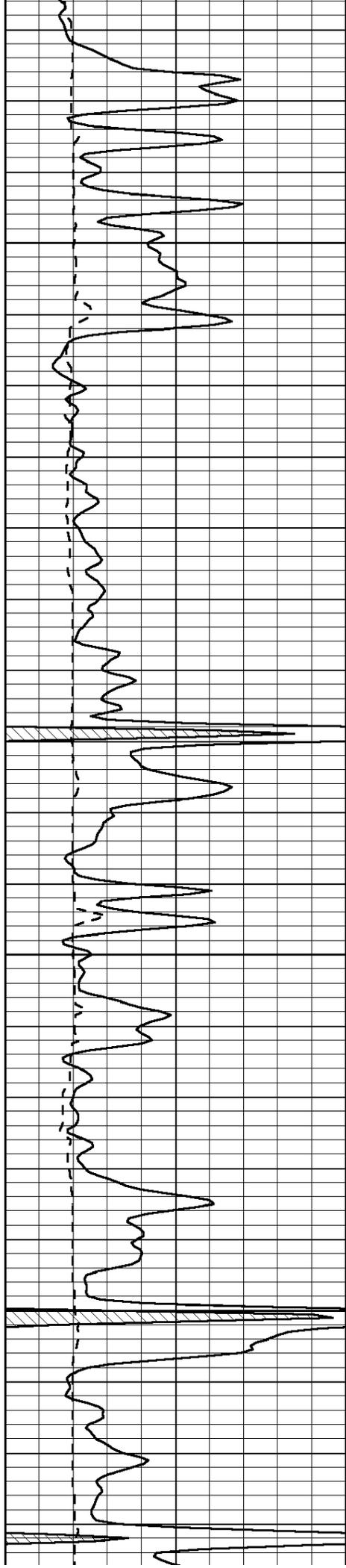


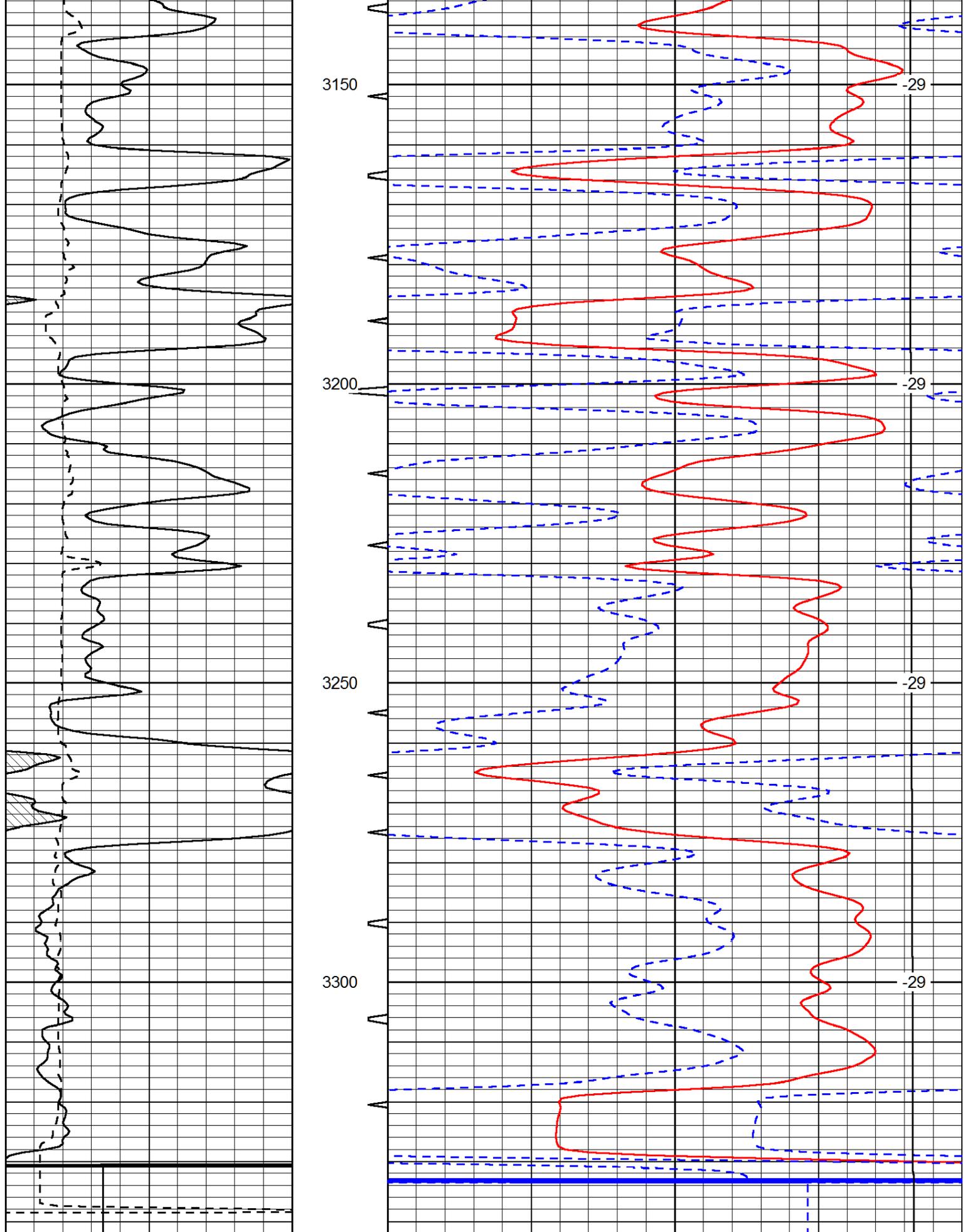












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