



Pioneer Energy Services

Borehole Compensated Sonic Log

API No. 15-153-20,916-00-00

Company: **Murfin Drilling Company, Inc.**
 Well: **Gilbert No. 1-27**
 Field: **Daisy**
 County: **Rawlins** State: **Kansas**

Location: **SW NW NE SE
2,300' FSL & 1,000' FEL**

Sec: **27** Twp: **4S** Rge: **31W**

Other Services: **CNL/CDL
MEL/DIL**

Permanent Datum: **Ground Level** Elevation: **2909**
 Log Measured From: **Kelly Bushing** 5 Ft. Above Perm. Datum
 Drilling Measured From: **Kelly Bushing**

Date	1/17/2013	Elevation	2914
Run Number	Two	D.F.	2909
Type Log	BHC Sonic	G.L.	
Depth Driller	4565		
Depth Logger	4565		
Bottom Logged Interval	4554		
Top Logged Interval	200		
Type Fluid In Hole	Chemical		
Salinity, PPM CL	3000		
Density	9.3		
Level	Full		
Max. Rec. Temp. F	122		
Operating Rig Time	5 Hours		
Equipment -- Location	108 Hays		
Recorded By	J. Long		
Witnessed By	Rocky Milford		

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	217	8.625	23#	00	217
Two	7.875	217	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.

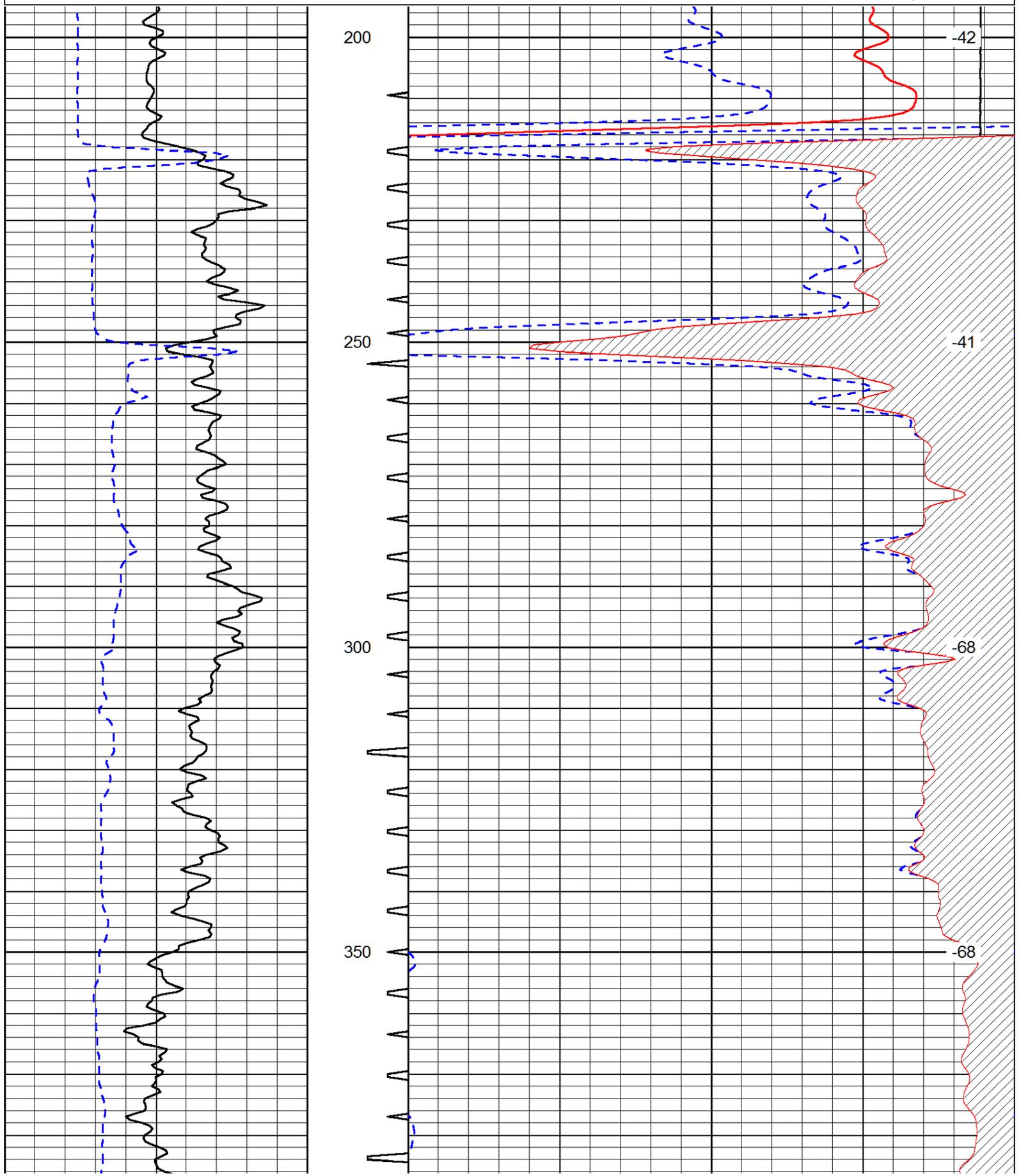
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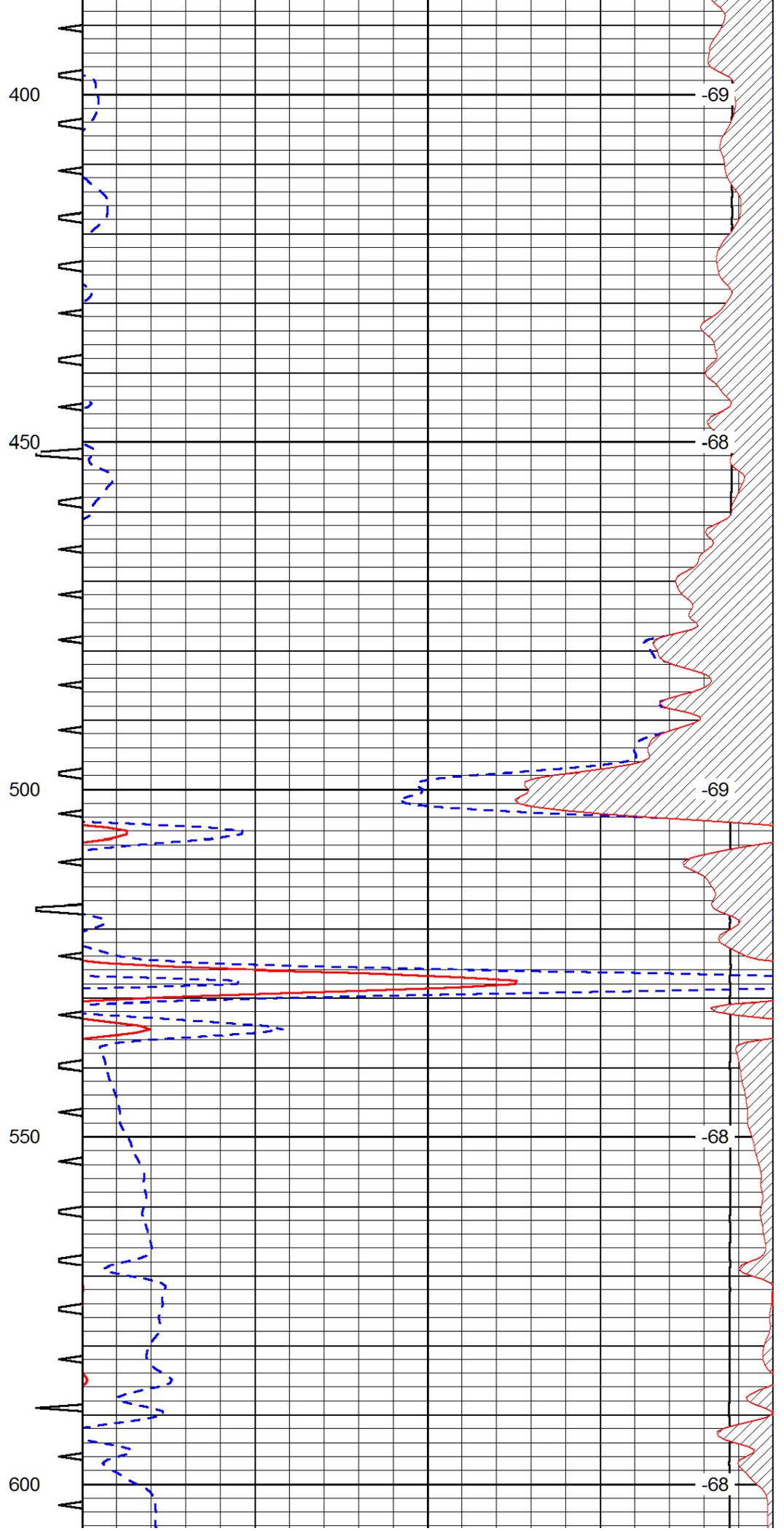
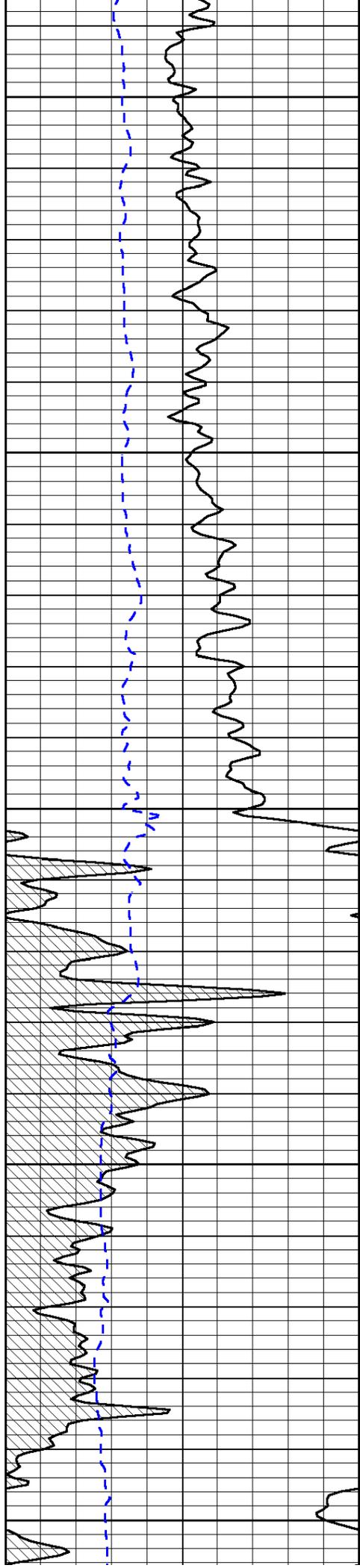
Thank you for using Log-Tech, Inc.
 (785) 625-3858

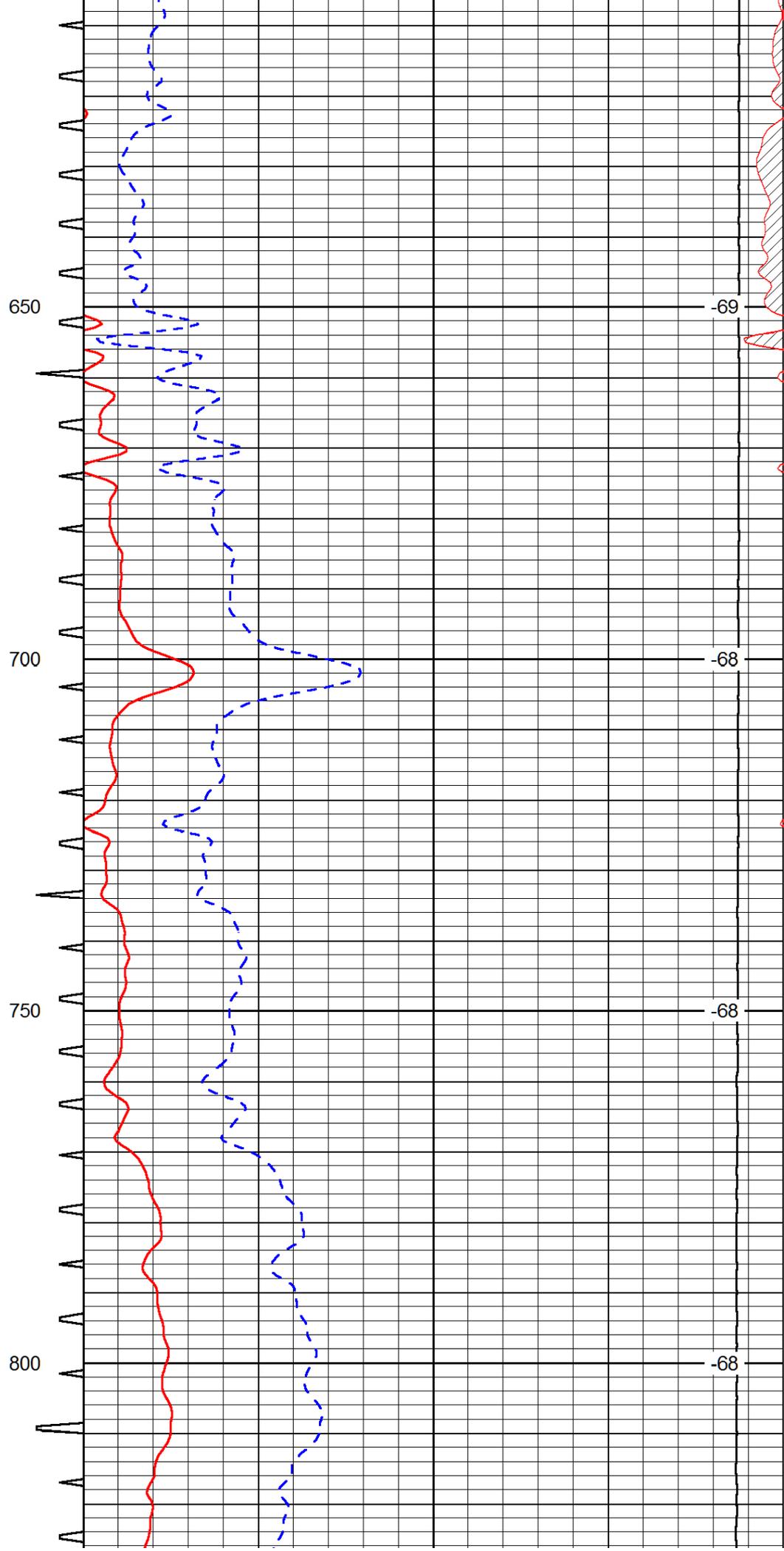
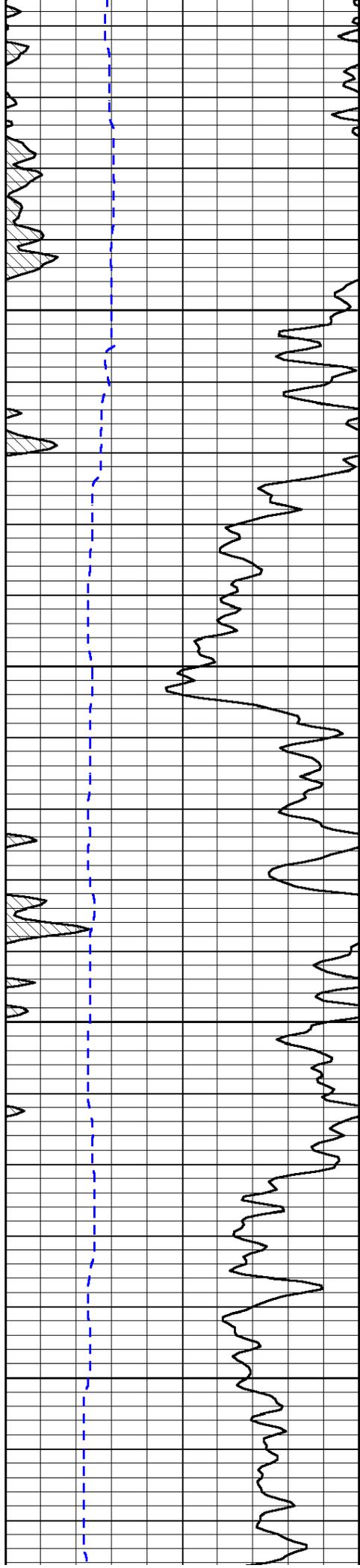
Rexford (Highway 83 and TH 36 Road Intersection), 7 North to Y, 1 East, 8 North to 10S Road,
 3 West, 1/2 South, West Into

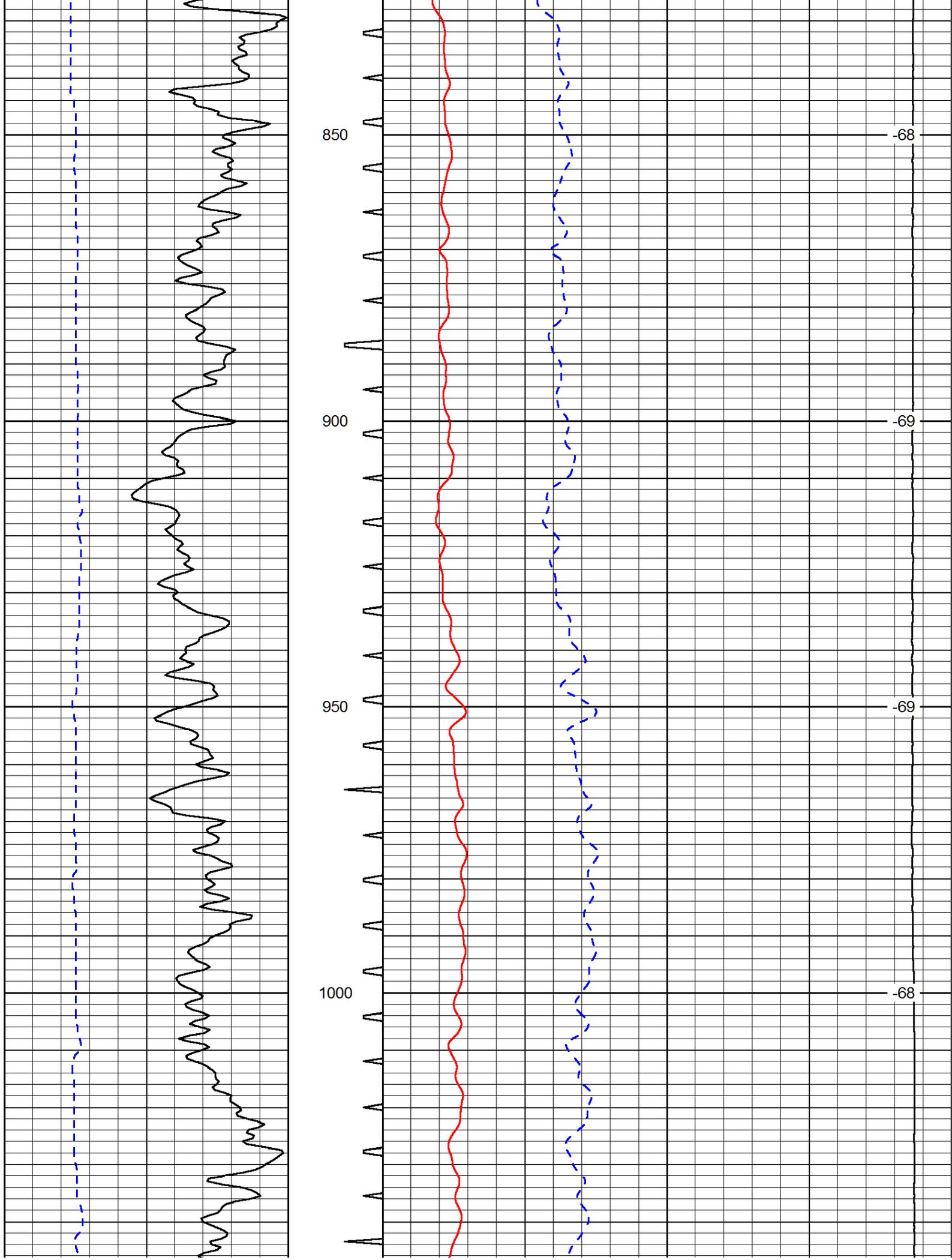
Database File: murfin_gilbert_1-27hd.db
 Dataset Pathname: dil/murfstck
 Presentation Format: sonic
 Dataset Creation: Thu Jan 17 16:43:12 2013
 Charted by: Depth in Feet scaled 1:240

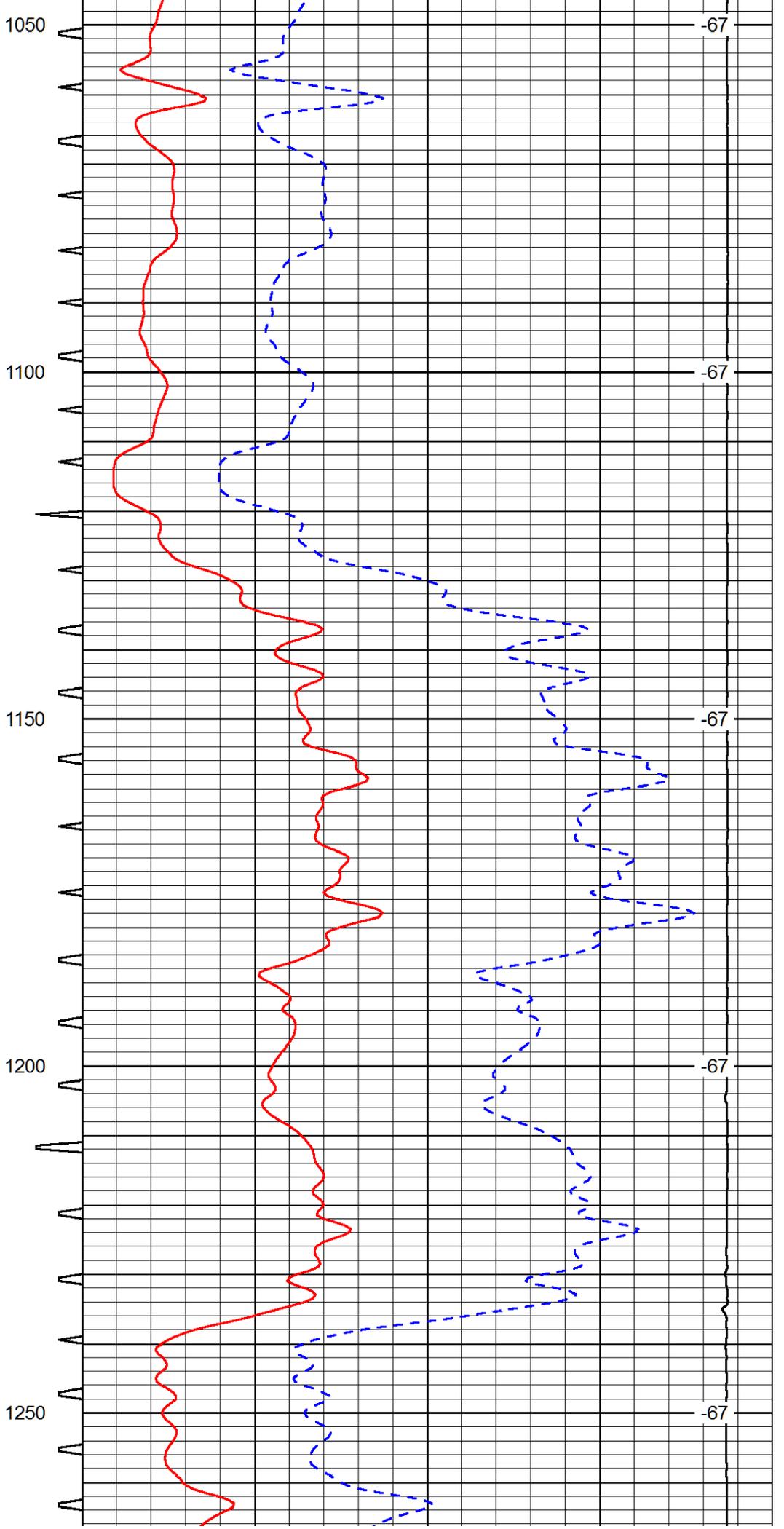
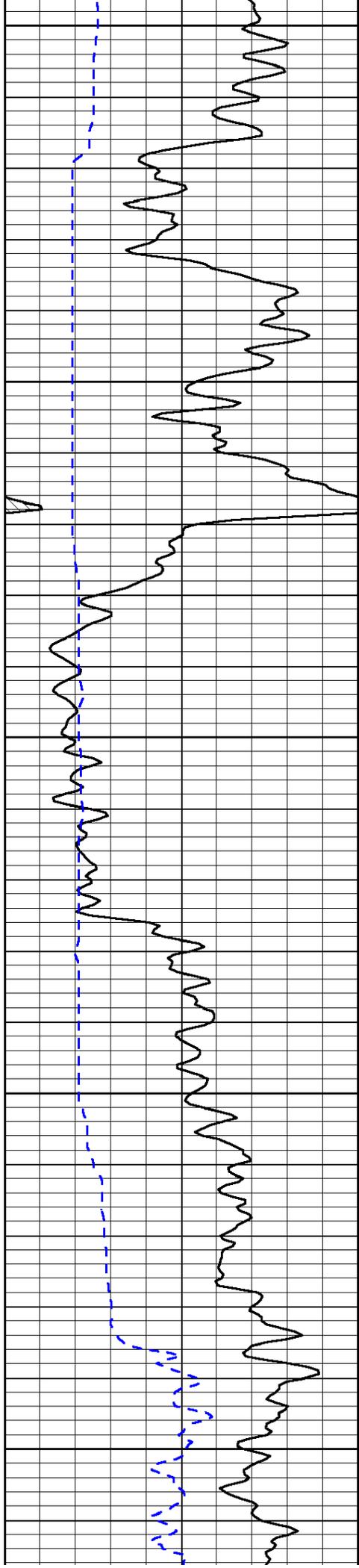
0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	Gamma Ray (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu)	-10
6	dCAL (in)	16		15000	LTEN (lb) (lb)	0
						LSPD (ft/min)

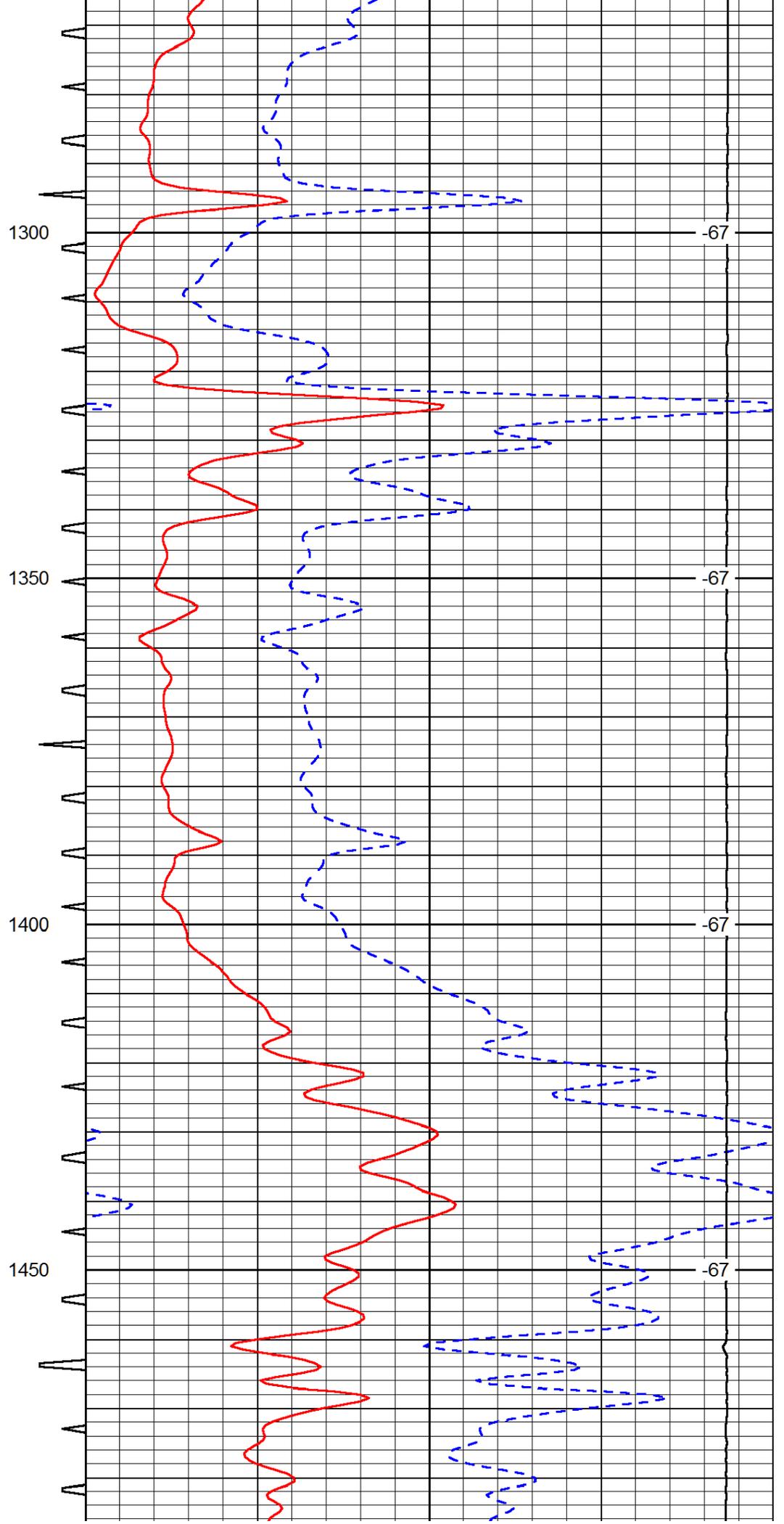
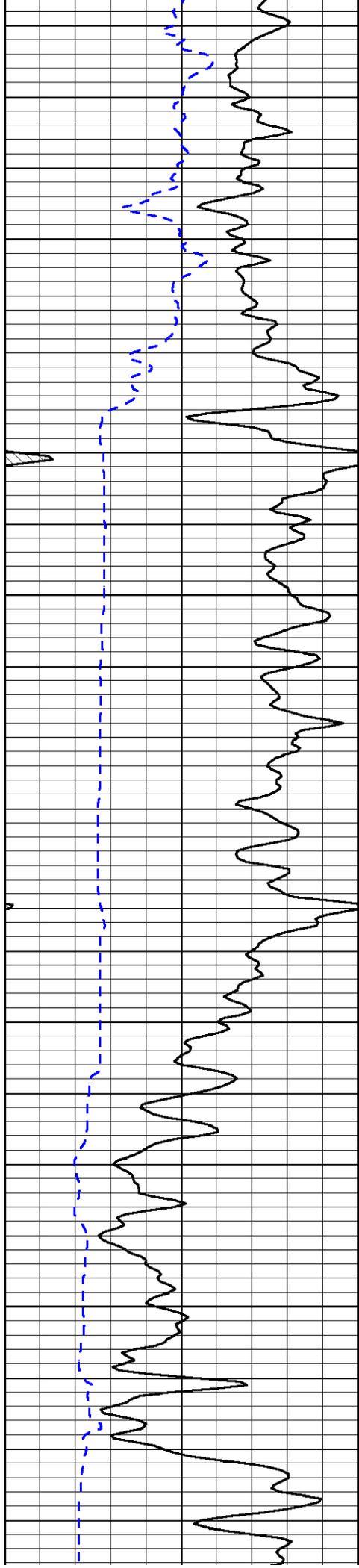


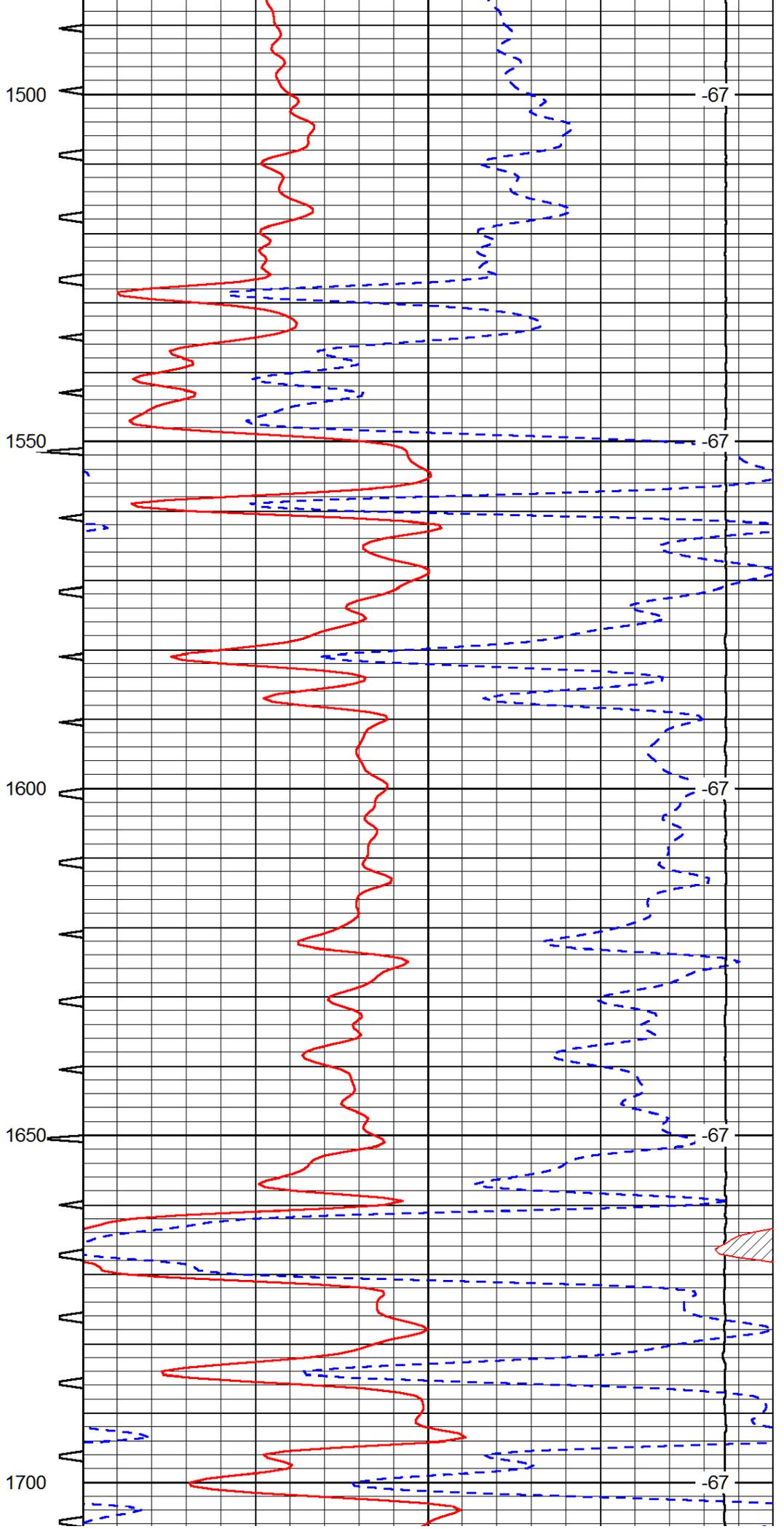
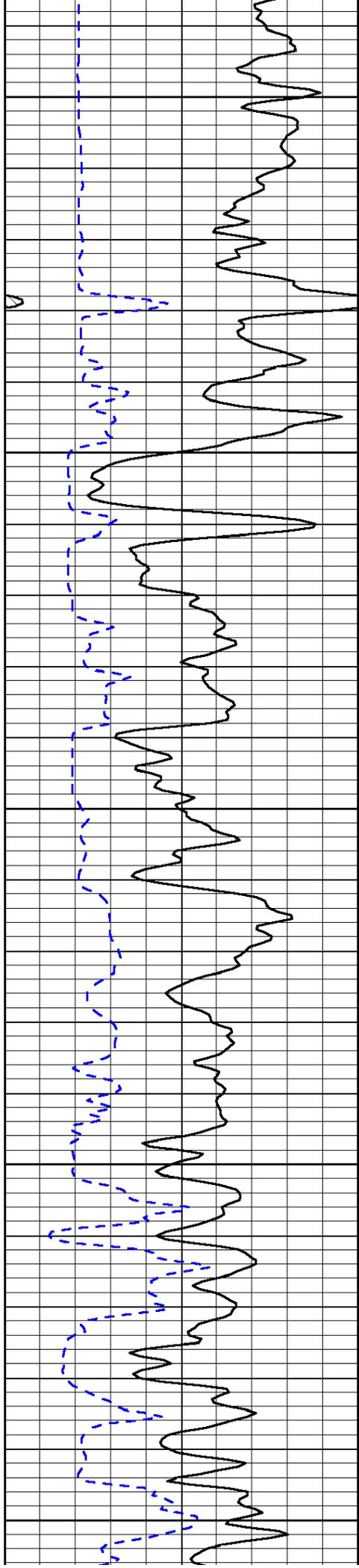


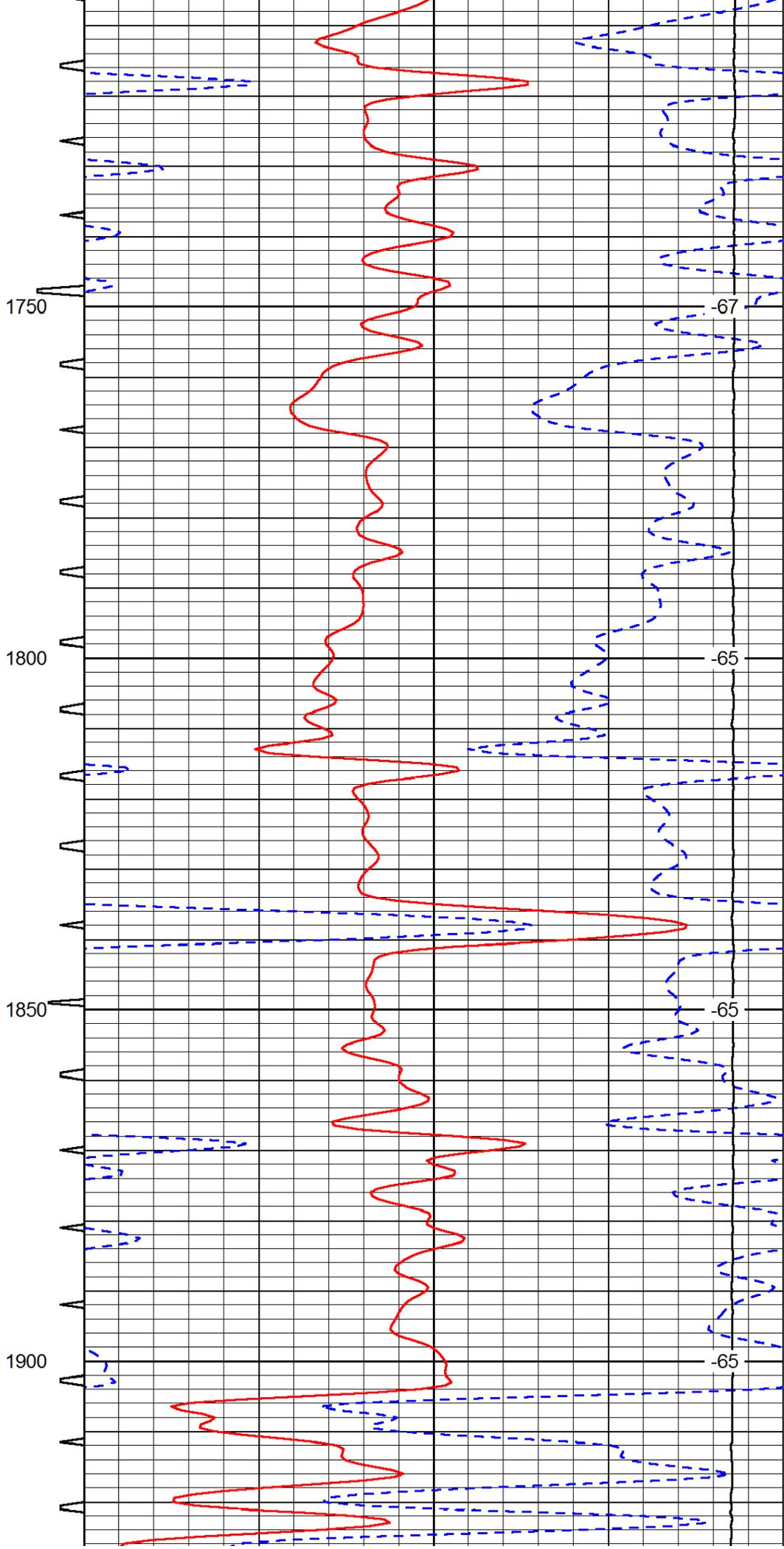
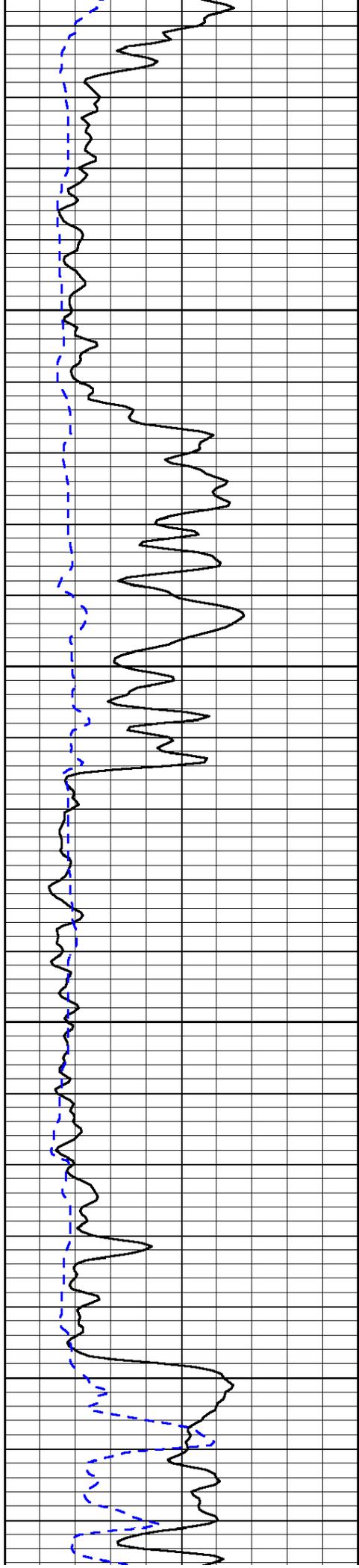


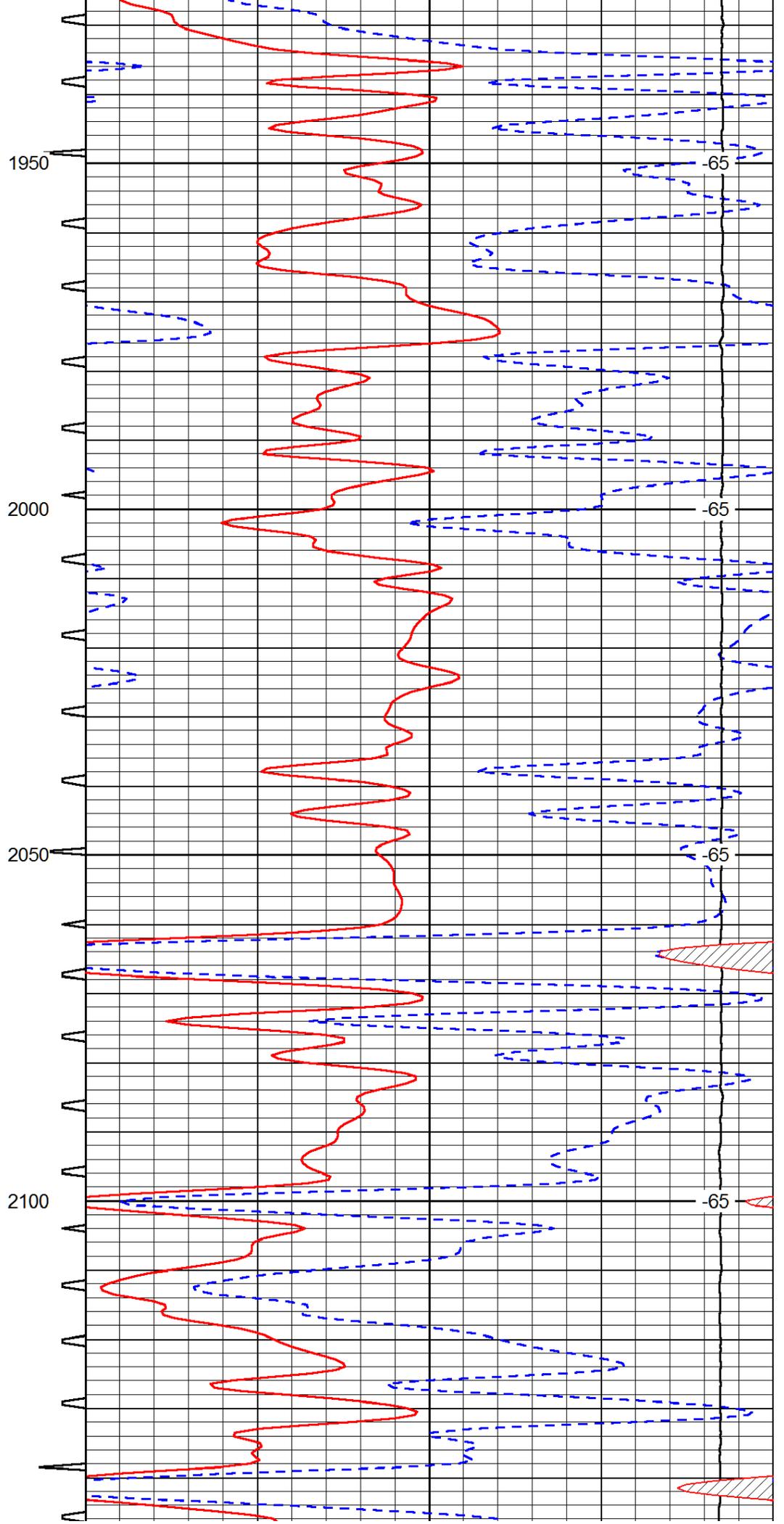
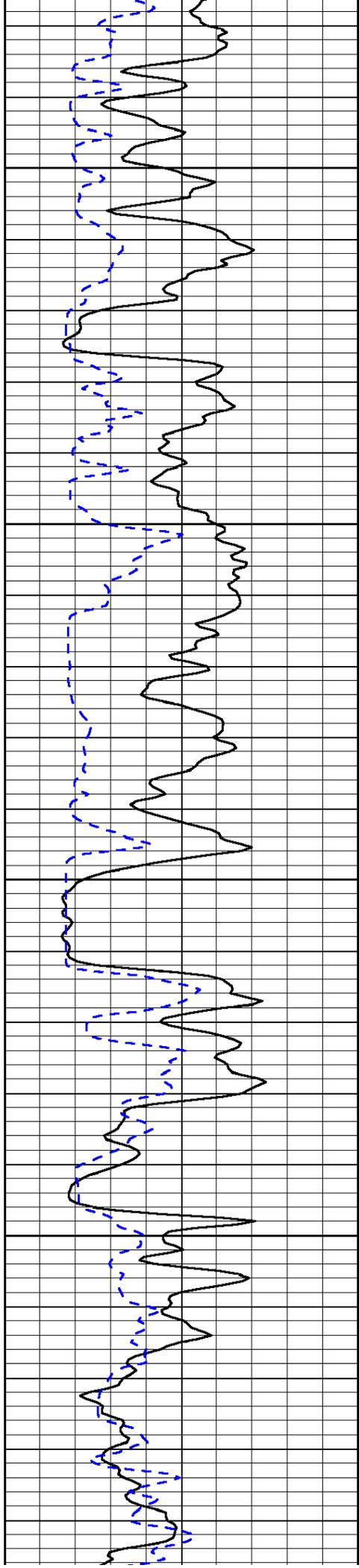


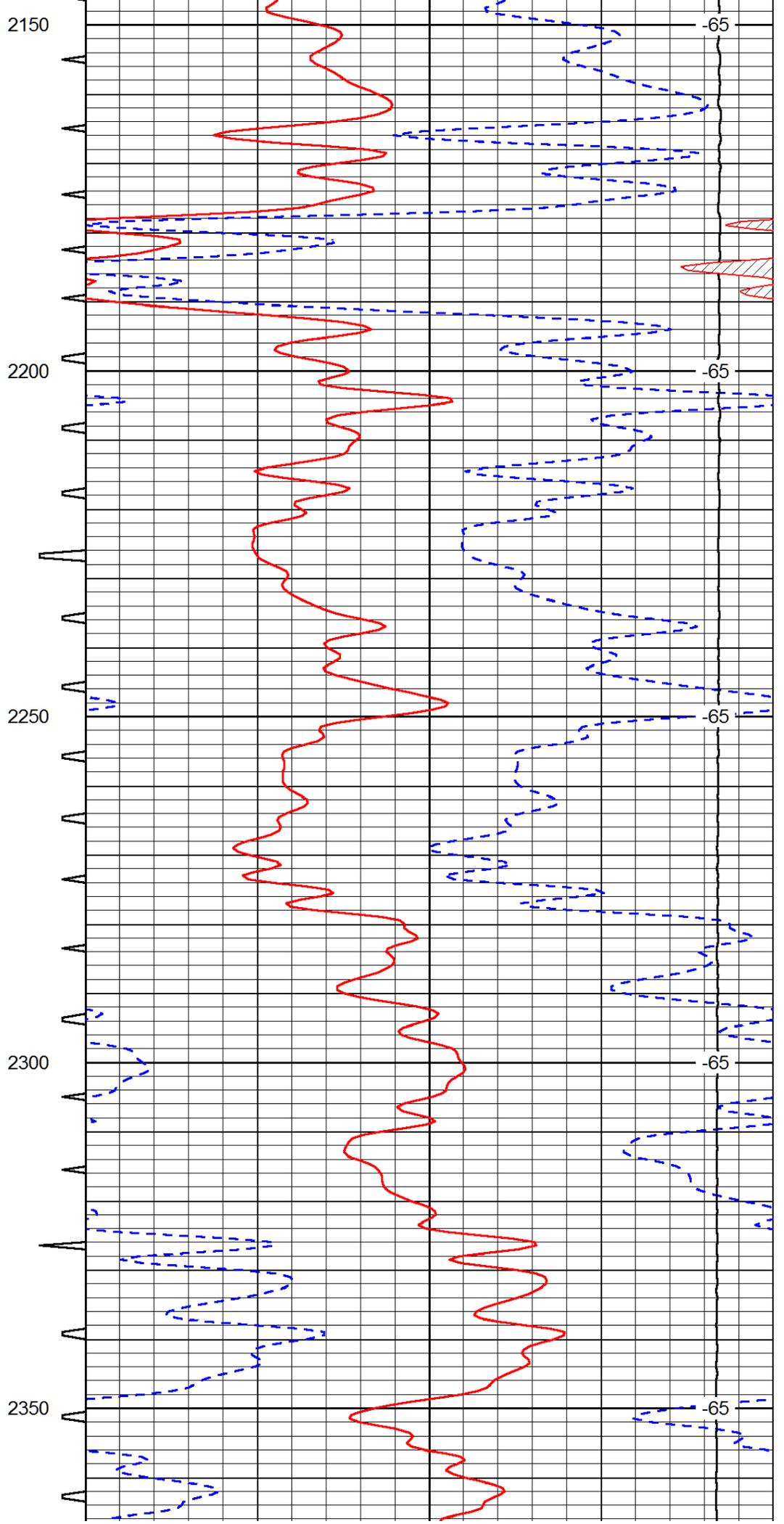
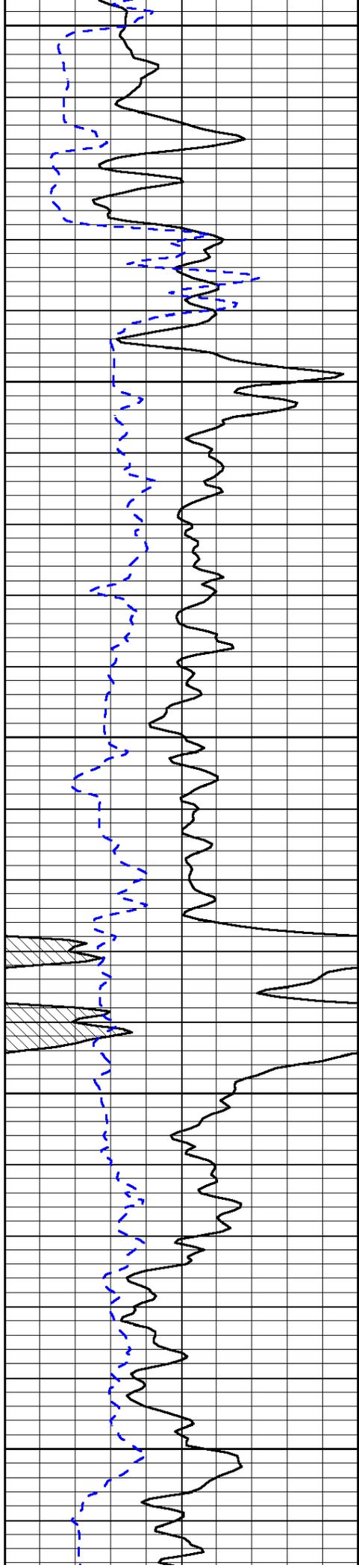


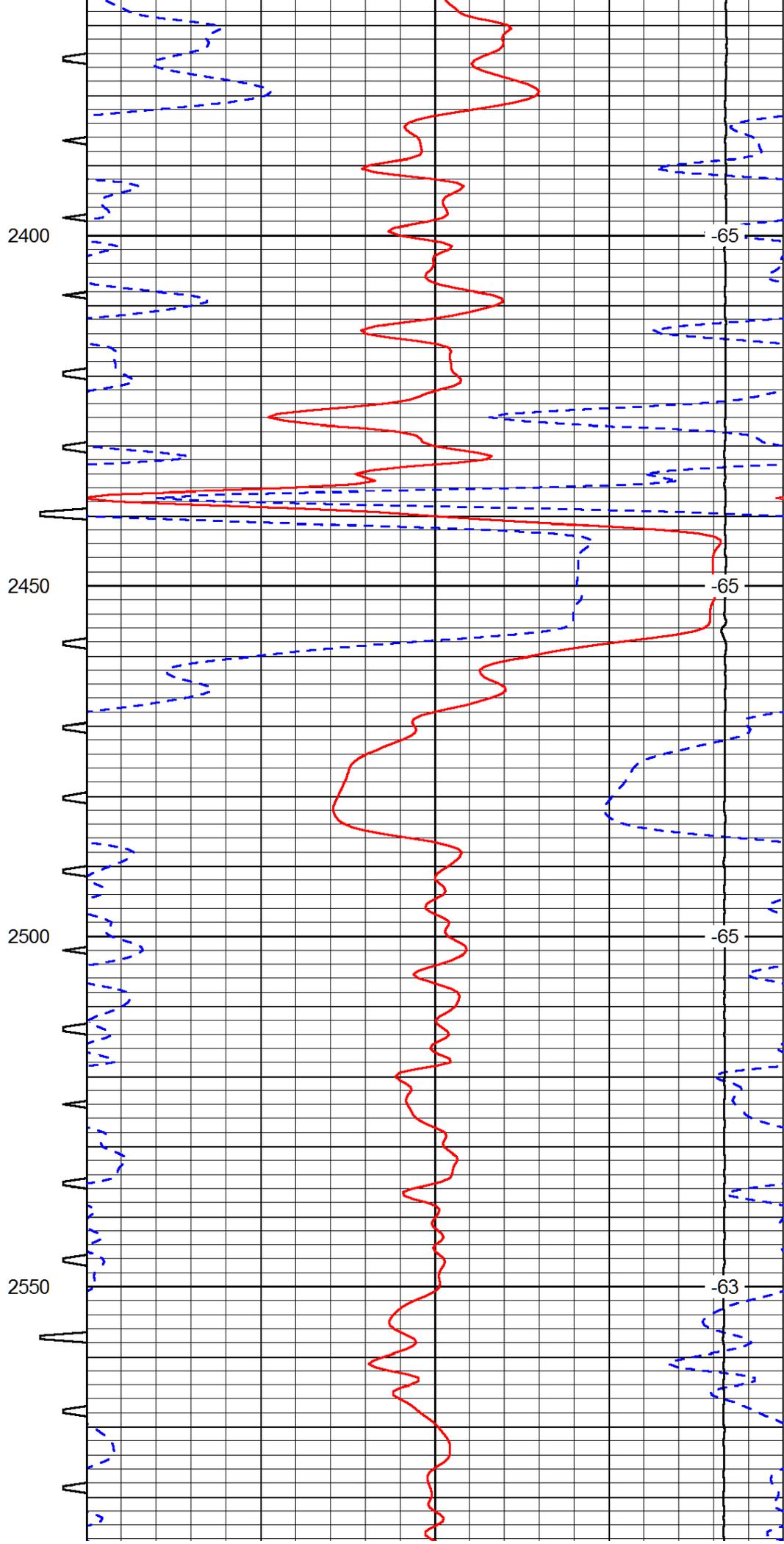
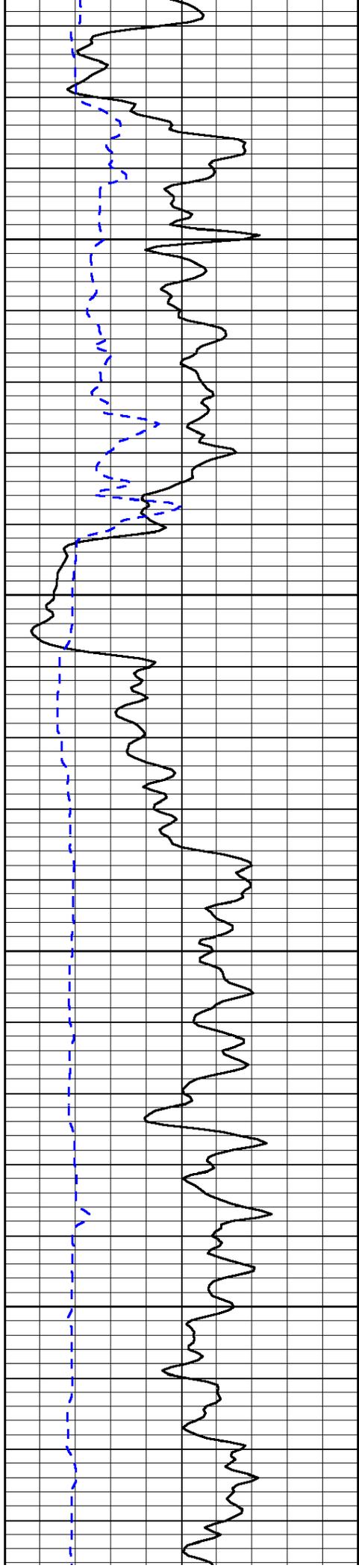


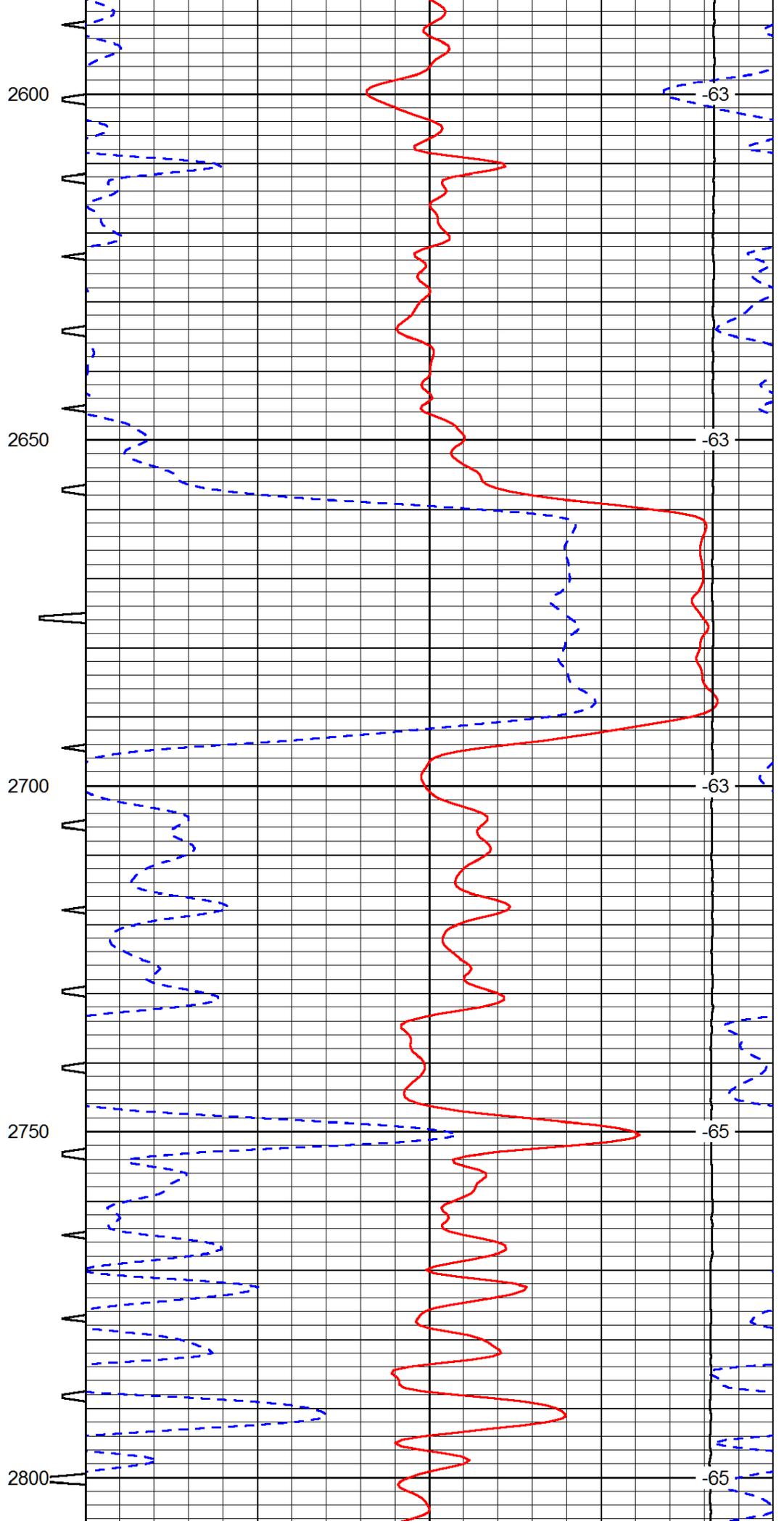
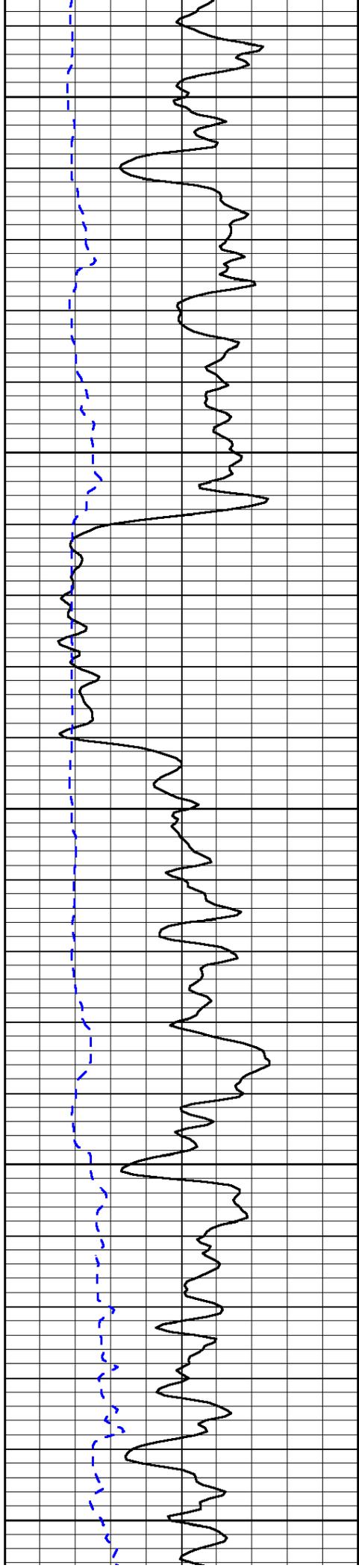


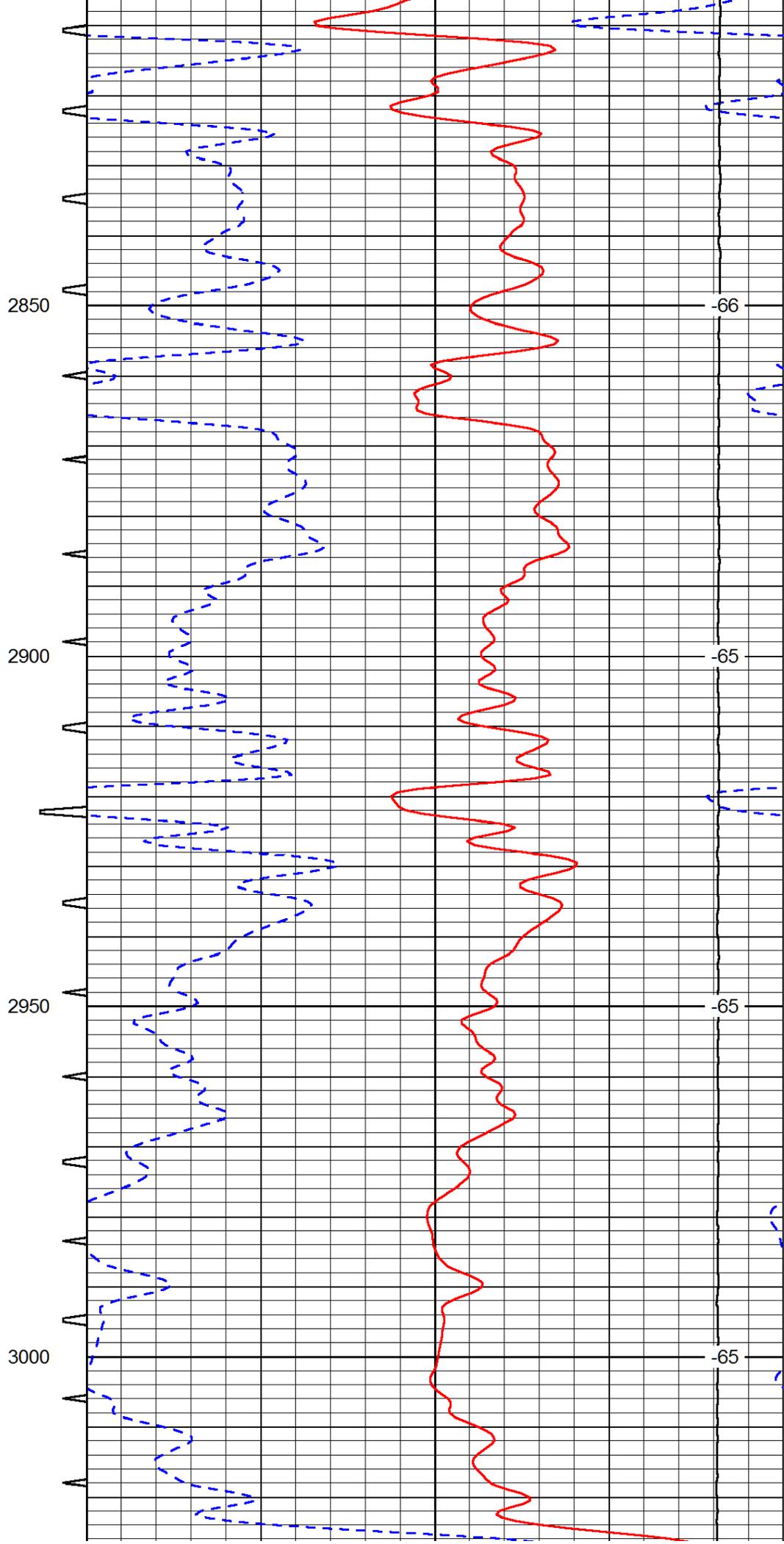
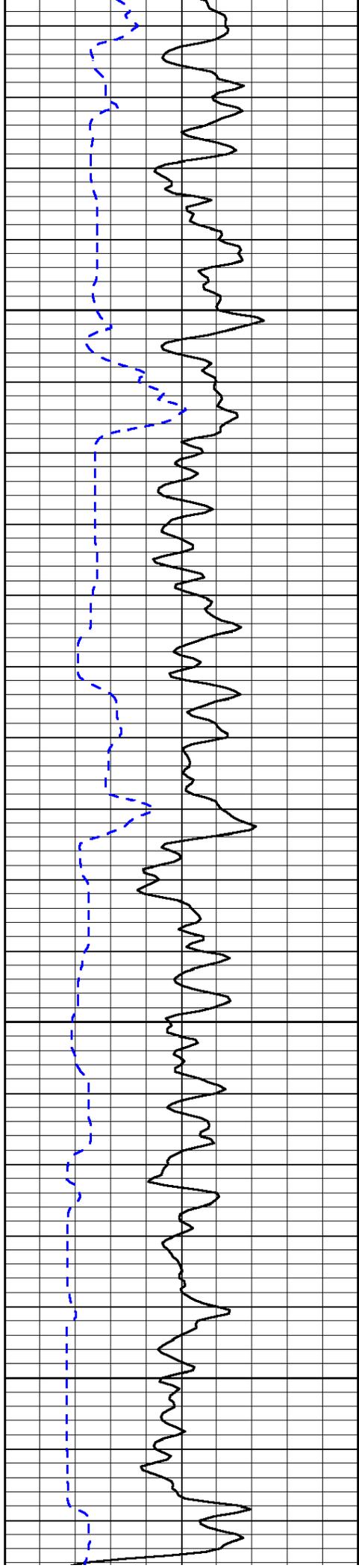


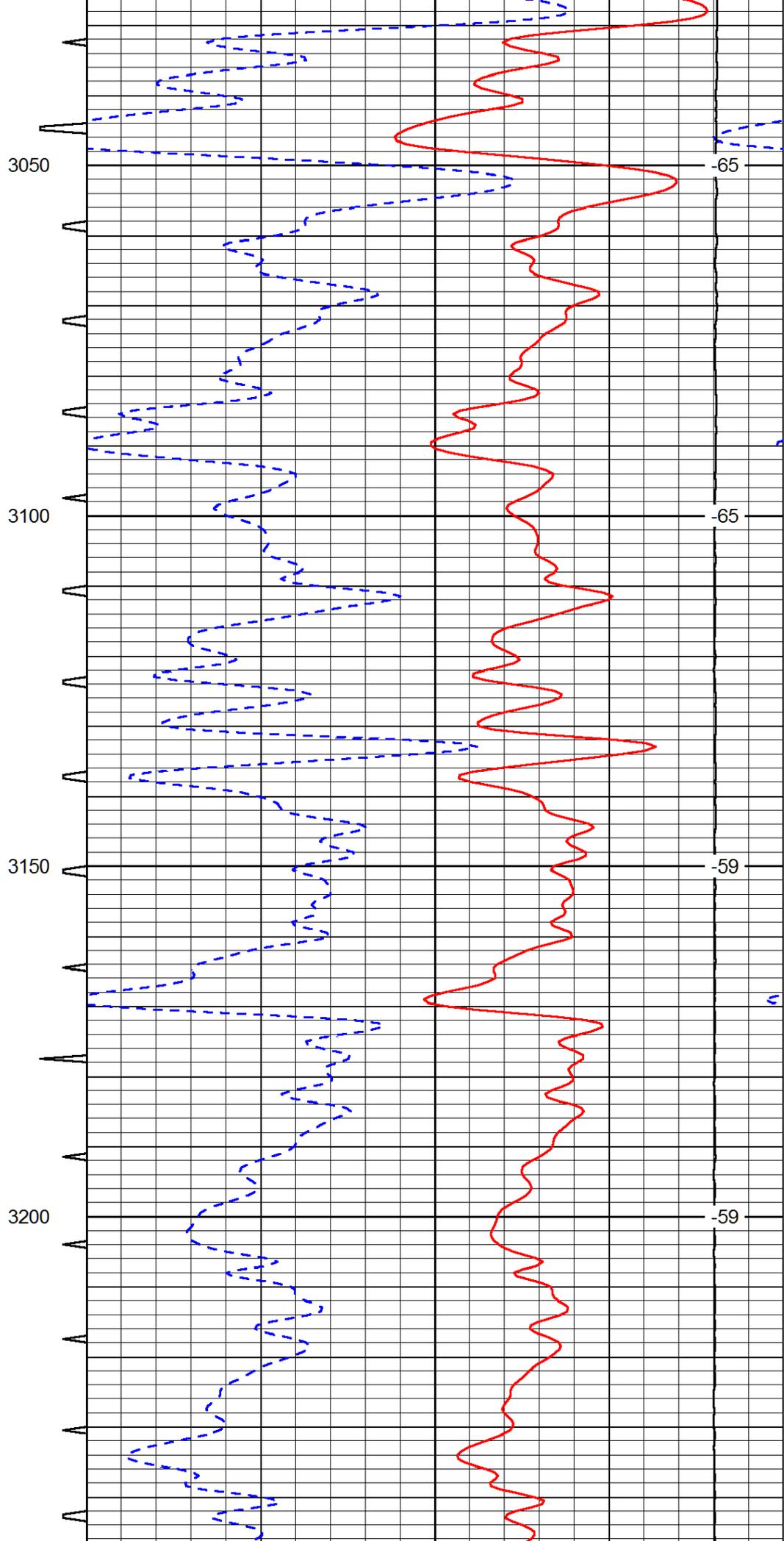
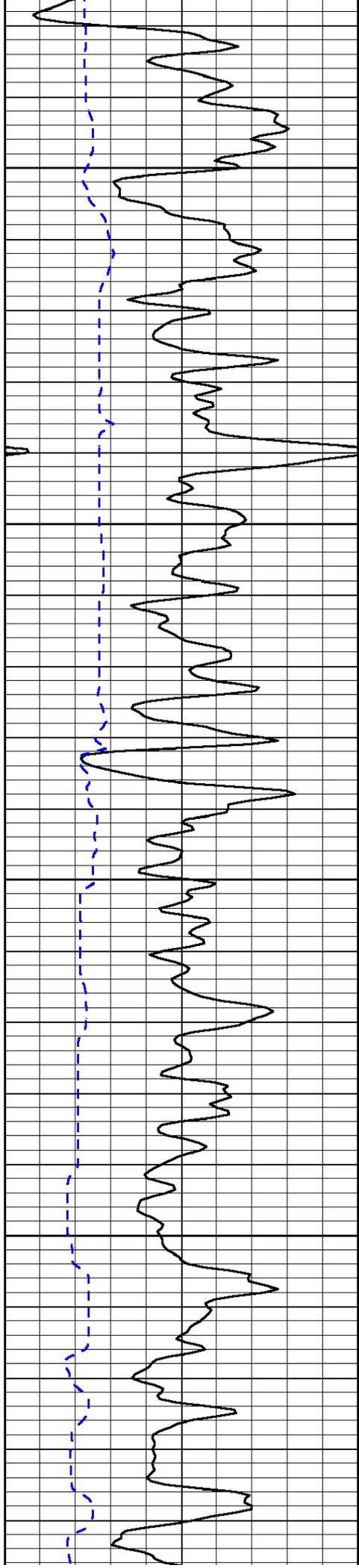


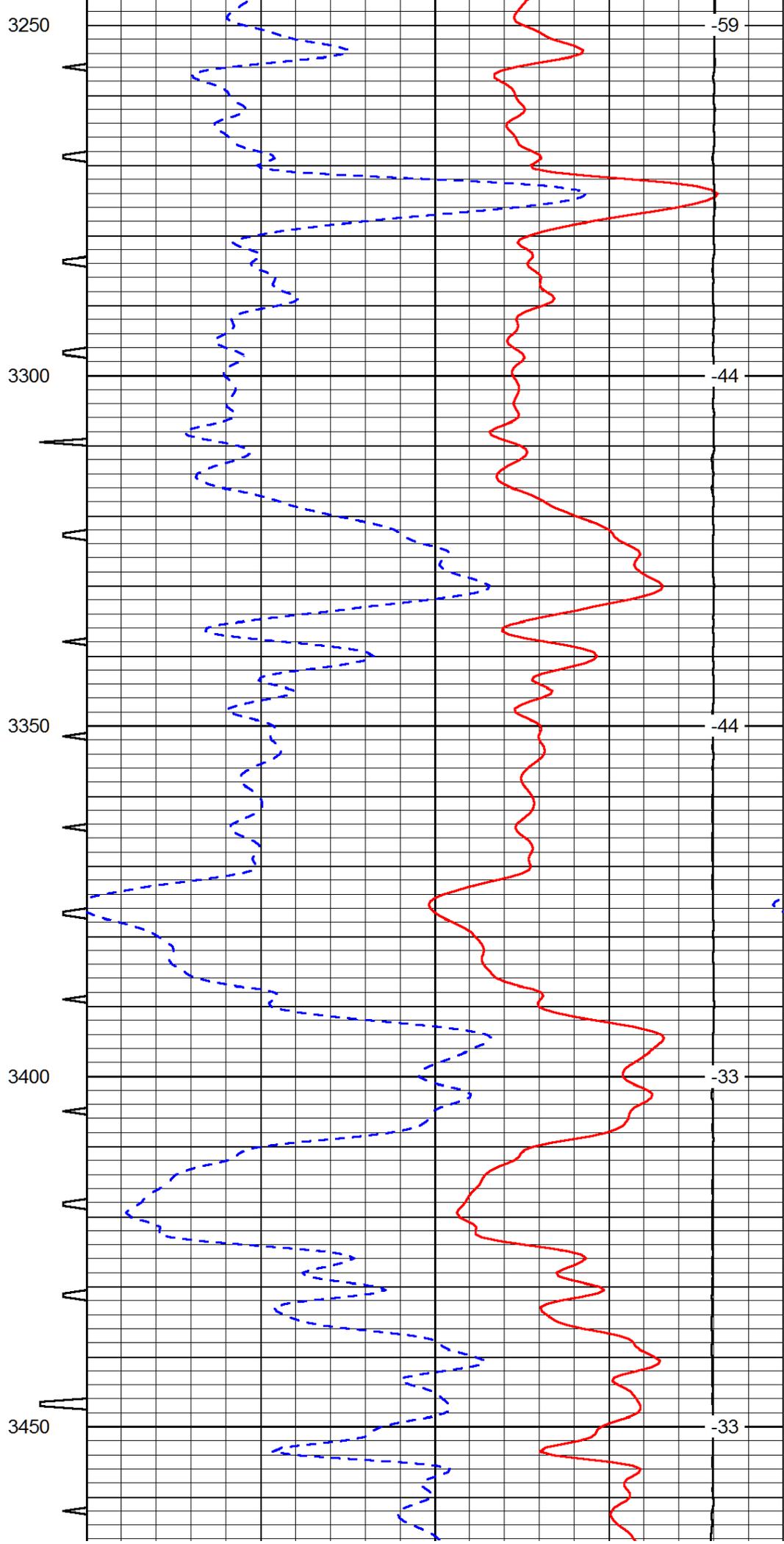
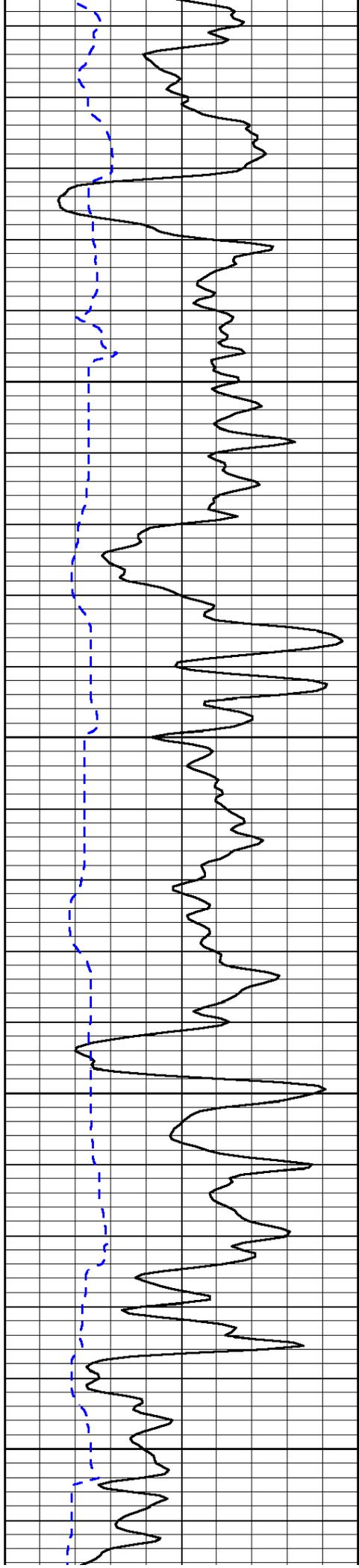


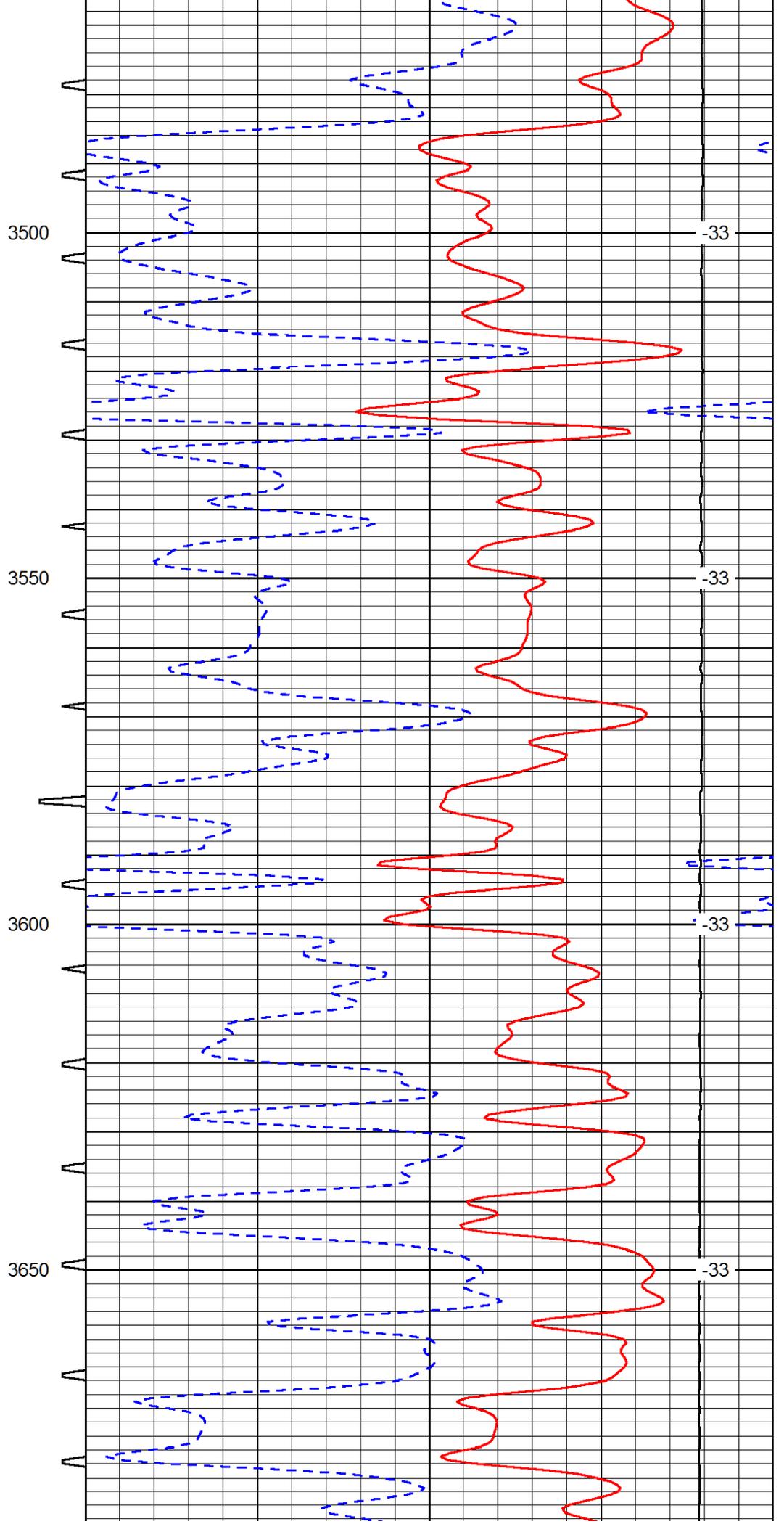
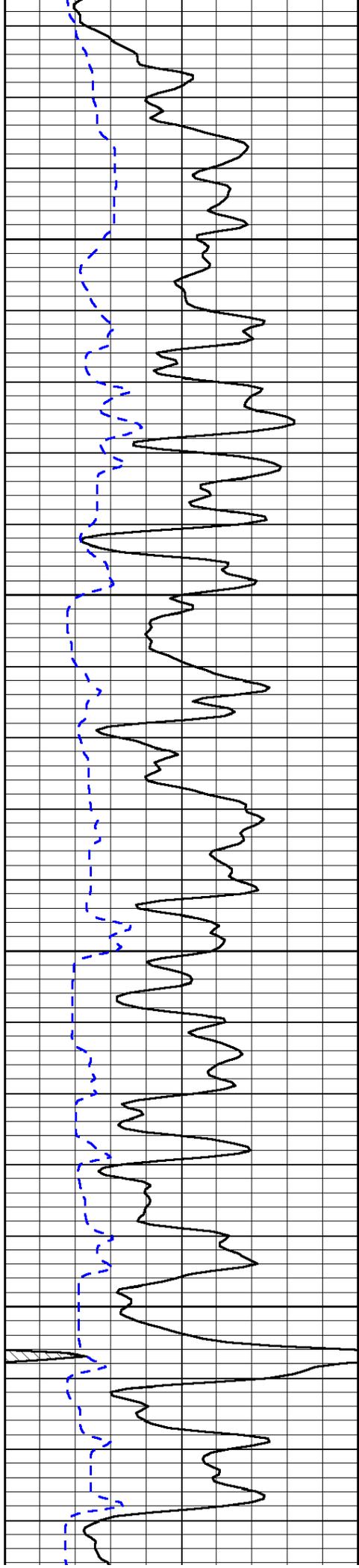


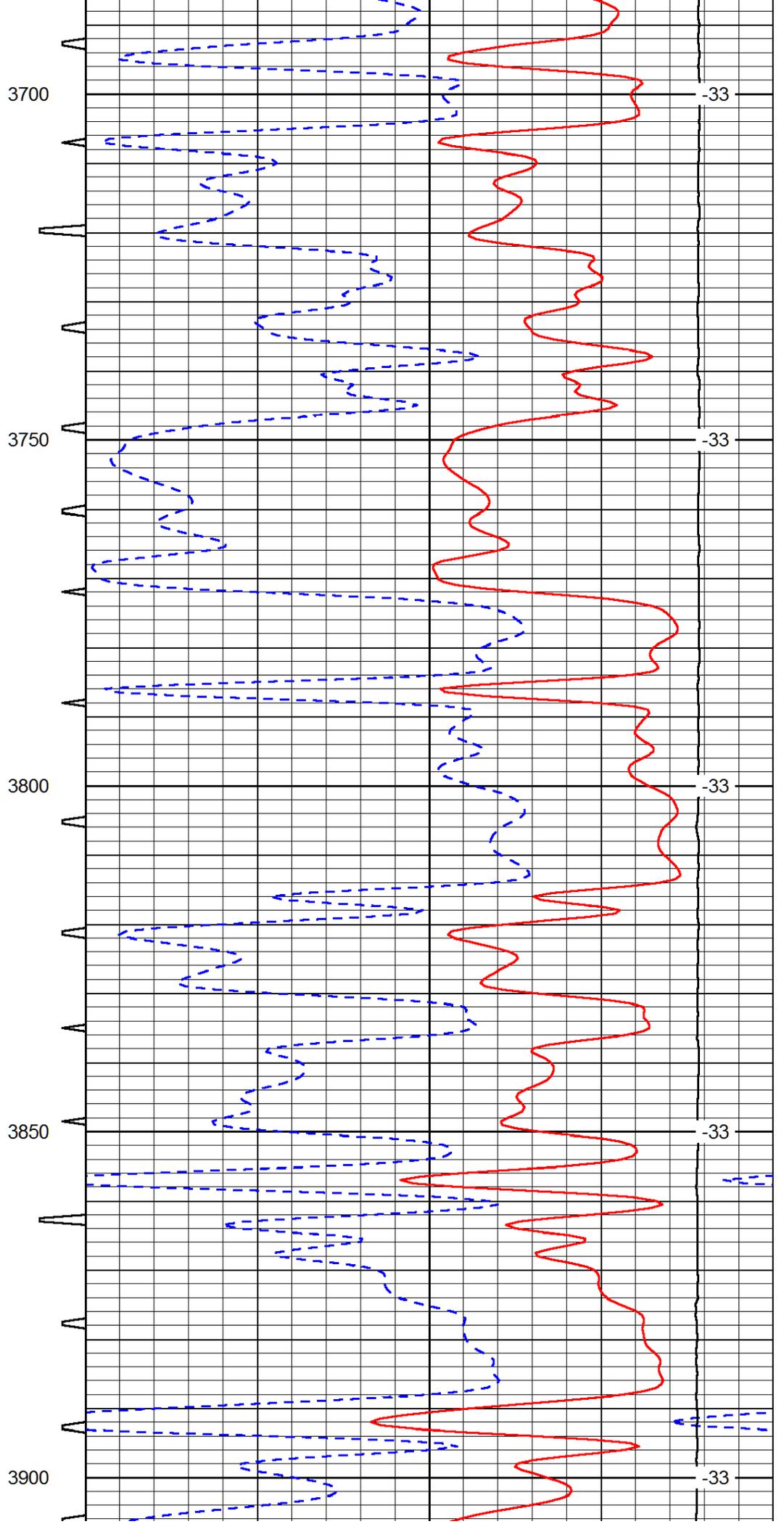
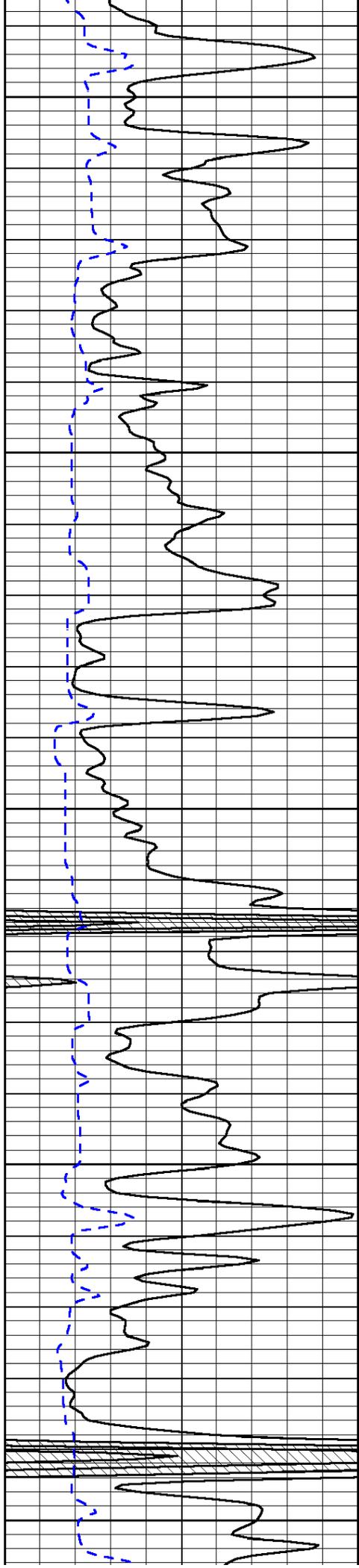


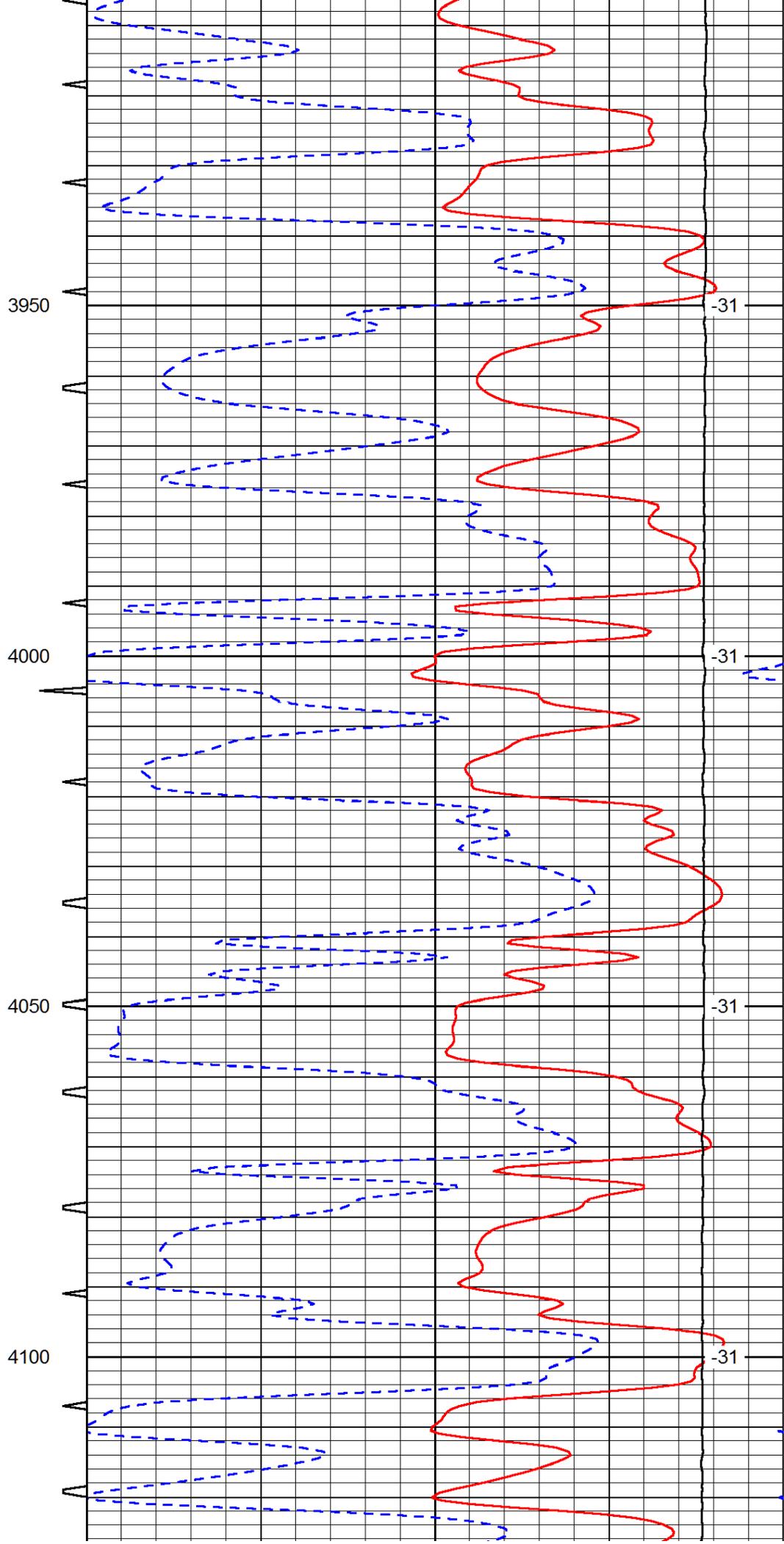
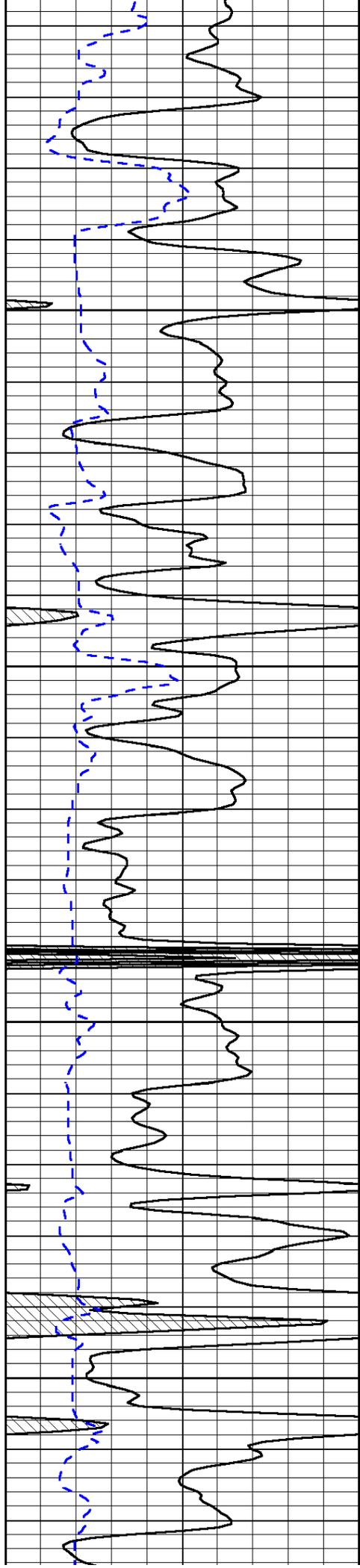


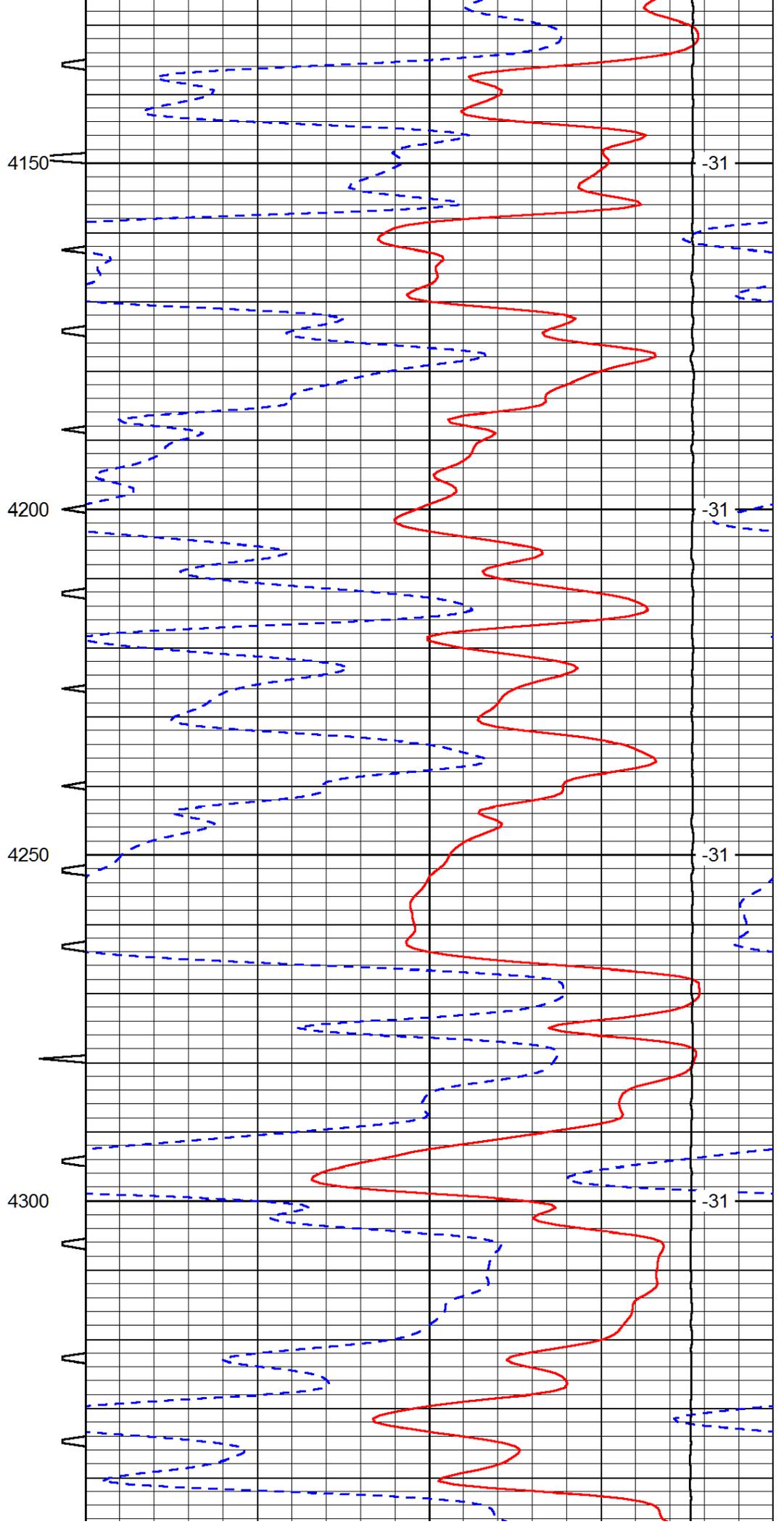
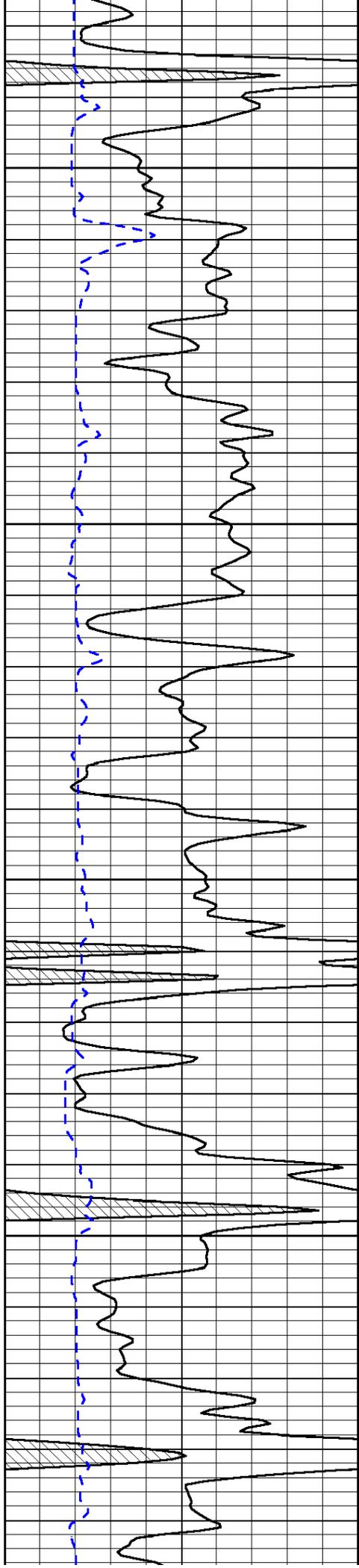


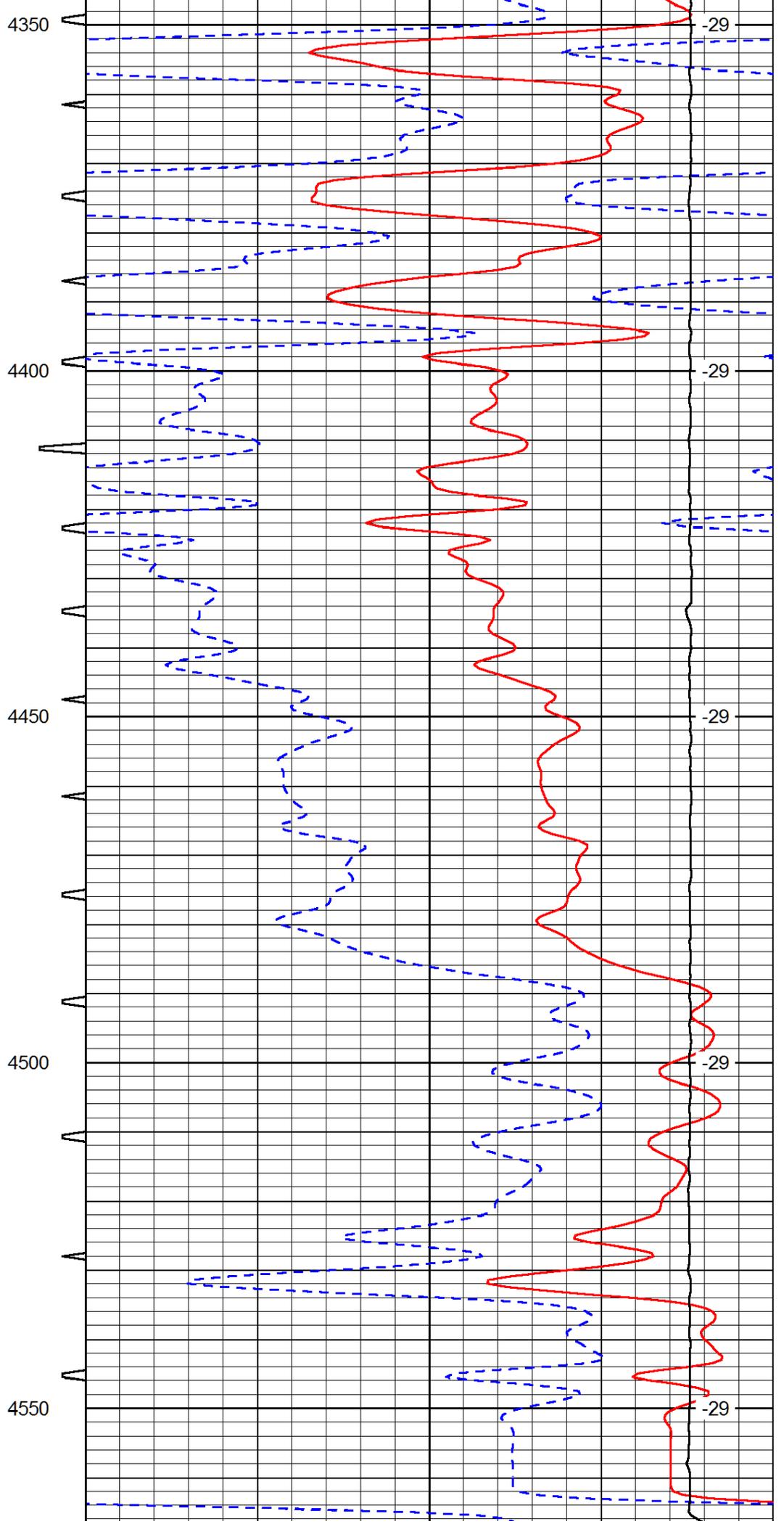
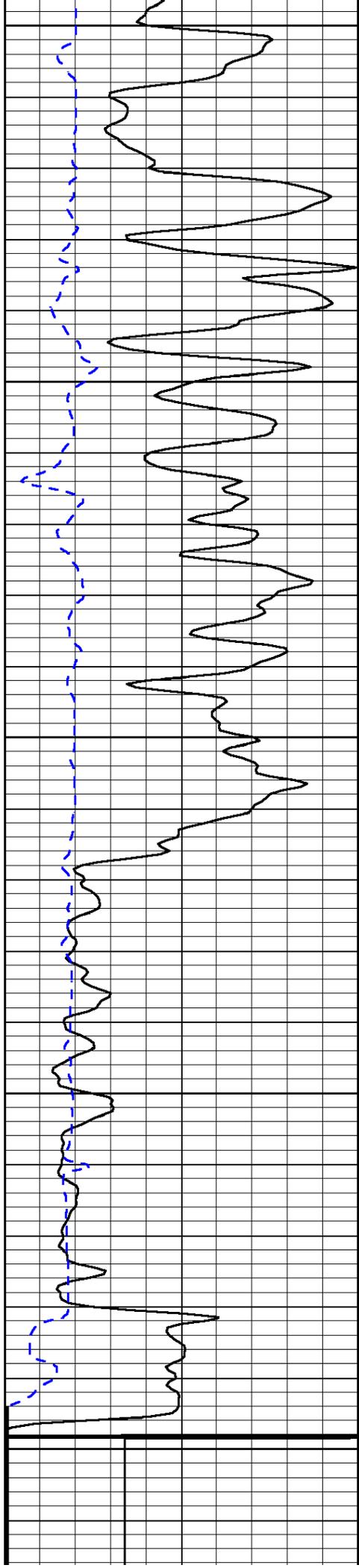












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