

Borehole Compensated Sonic Log

(785) 625-3858

Murfin Drilling Company, Inc.

Well DK Brown No. 1-33

Field Wildcat

Decatur County, Kansas

039-21090-00-00

Sec: 33 Twp: 3S Rge: 27 W

Elevation

Permanent Datum	Ground Level	Elevation 2599
10d Measured From	Kelly Bushing	5 Ft Above Perm Datum

Drilling Measured From Kelly Bushing

Date	3/10/2009
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Run Number	Two
Type Log	BHC Sonid

Depth Logger	3792
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Top Logged Interval	200
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Salinity, PPM CL	3,000
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Density	0.2
Level	Full

max. rec. temp.	117
Operating Rig Time	4 Hours

Recorded By	B. Becker
Equipment -- Location	13 11a

Witnessed By	Paul Gunzelman
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Borehole Record

Casing Record

Run No	Bit	From	To
		10	

1	12:25	00	27
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2	7.875	217	3800
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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.

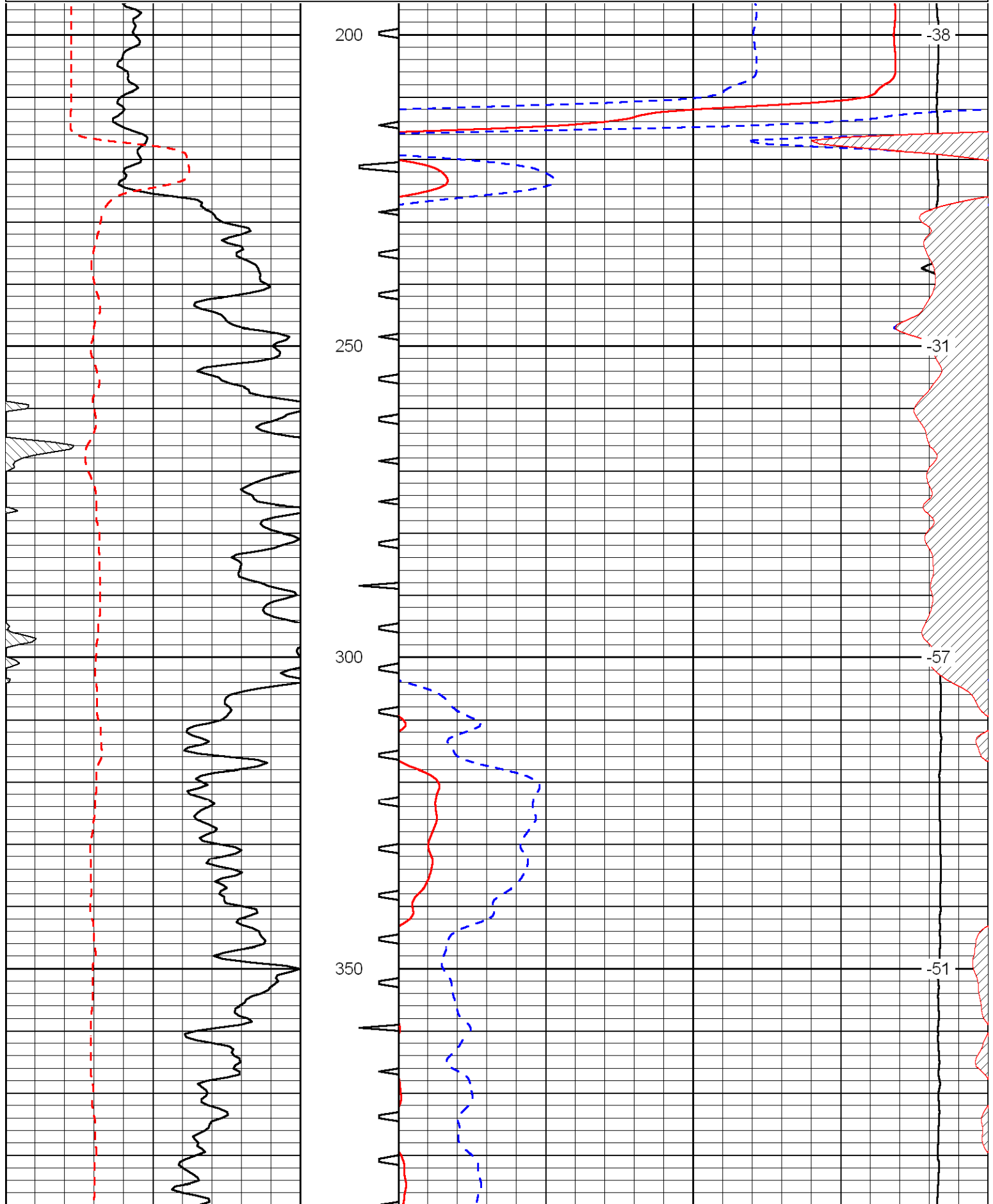
Comments

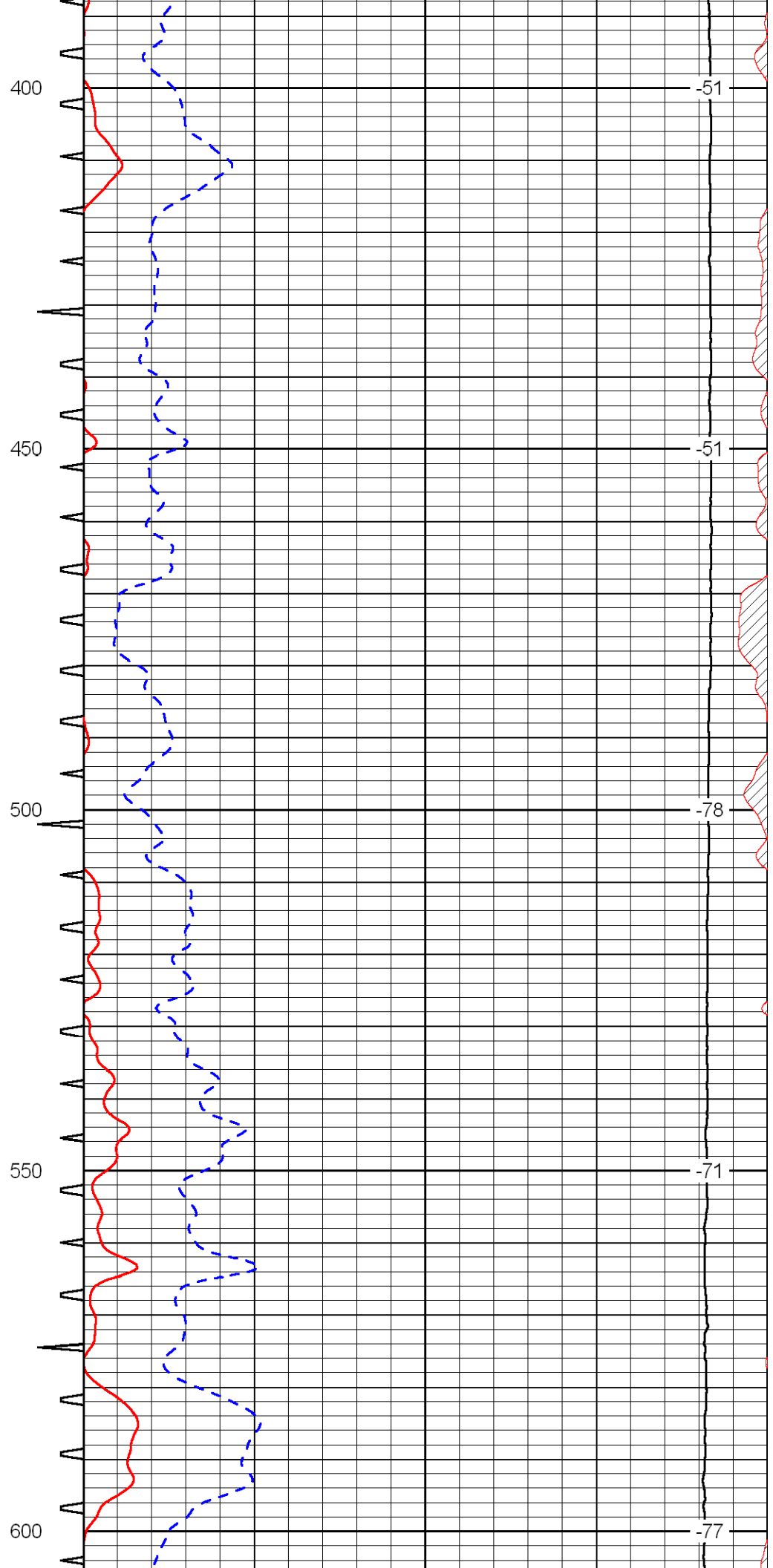
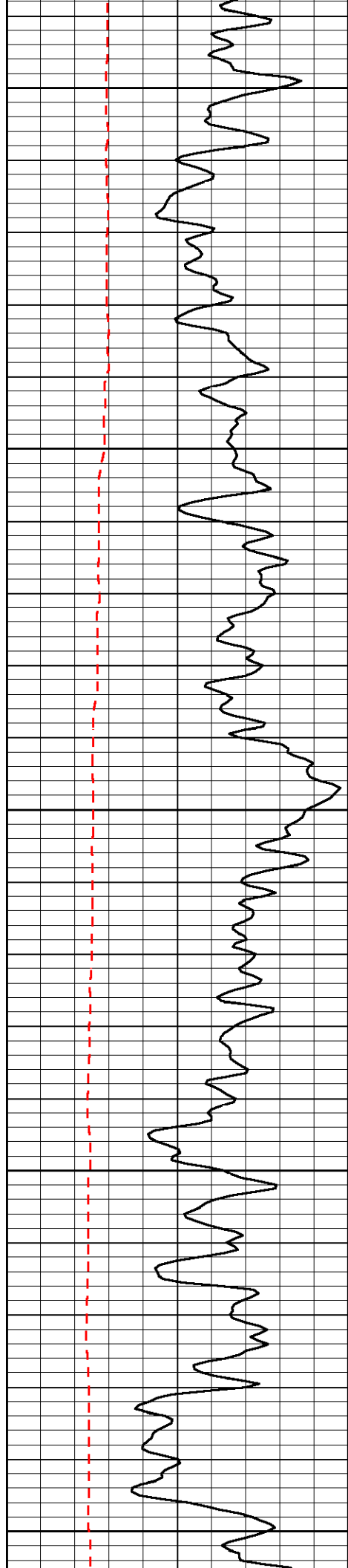
Thank you for using Log-Tech, Inc.
(785) 625-3858

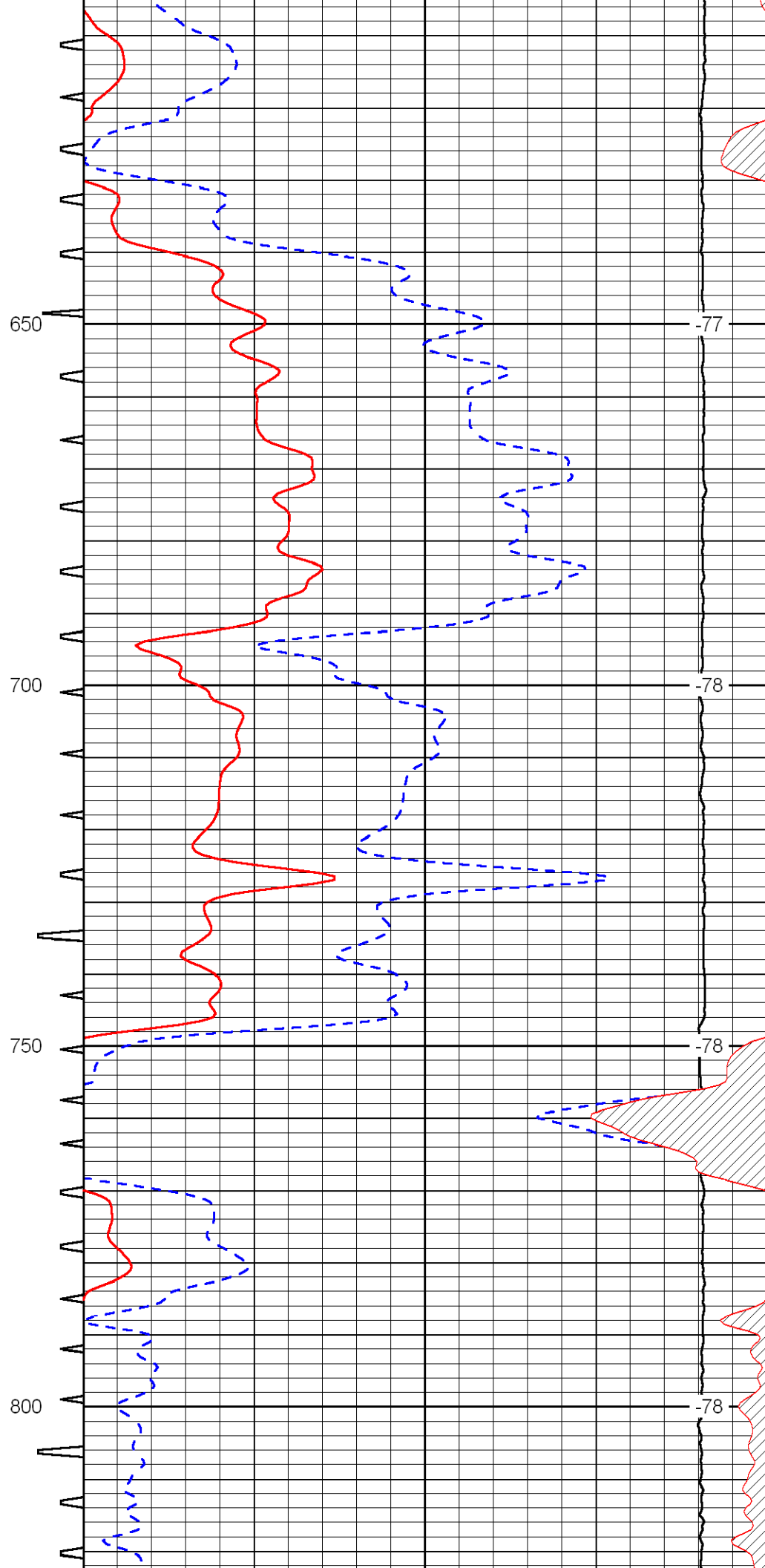
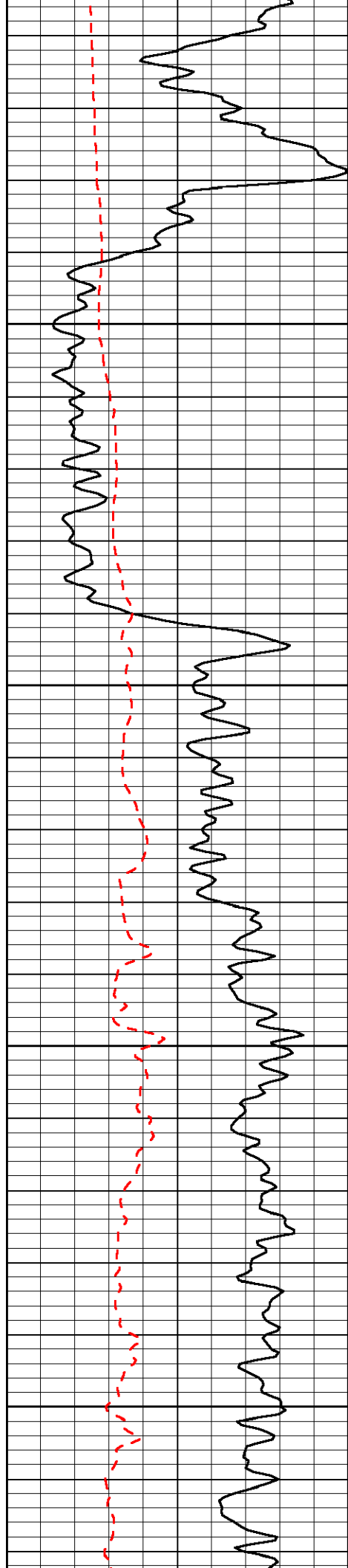
Norcatour, Ks; West to Road 8E; 5 South;
2 East; 3/4 South; West Into

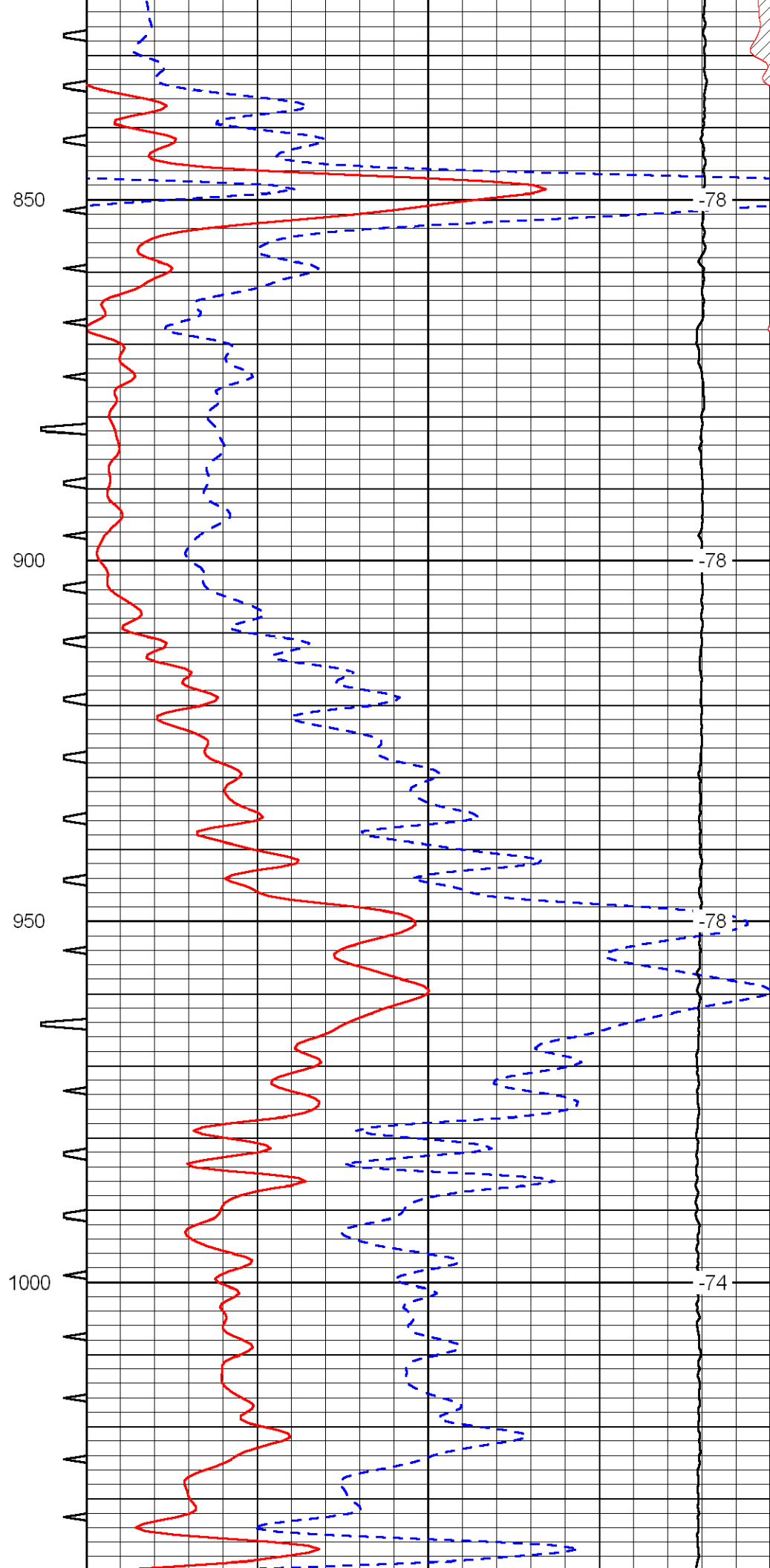
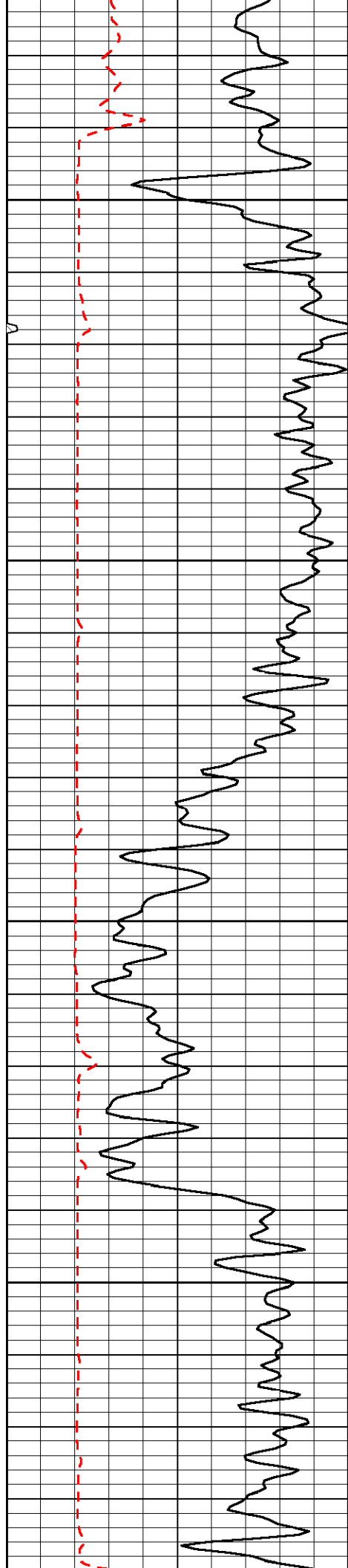
Database File: c:\warrior\data\murfin_dk brown no. 1-33\murfinhd.db
Dataset Pathname: DIL\murfstk
Presentation Format: sonic
Dataset Creation: Tue Mar 10 12:25:00 2009
Charted by: Depth in Feet scaled 1:240

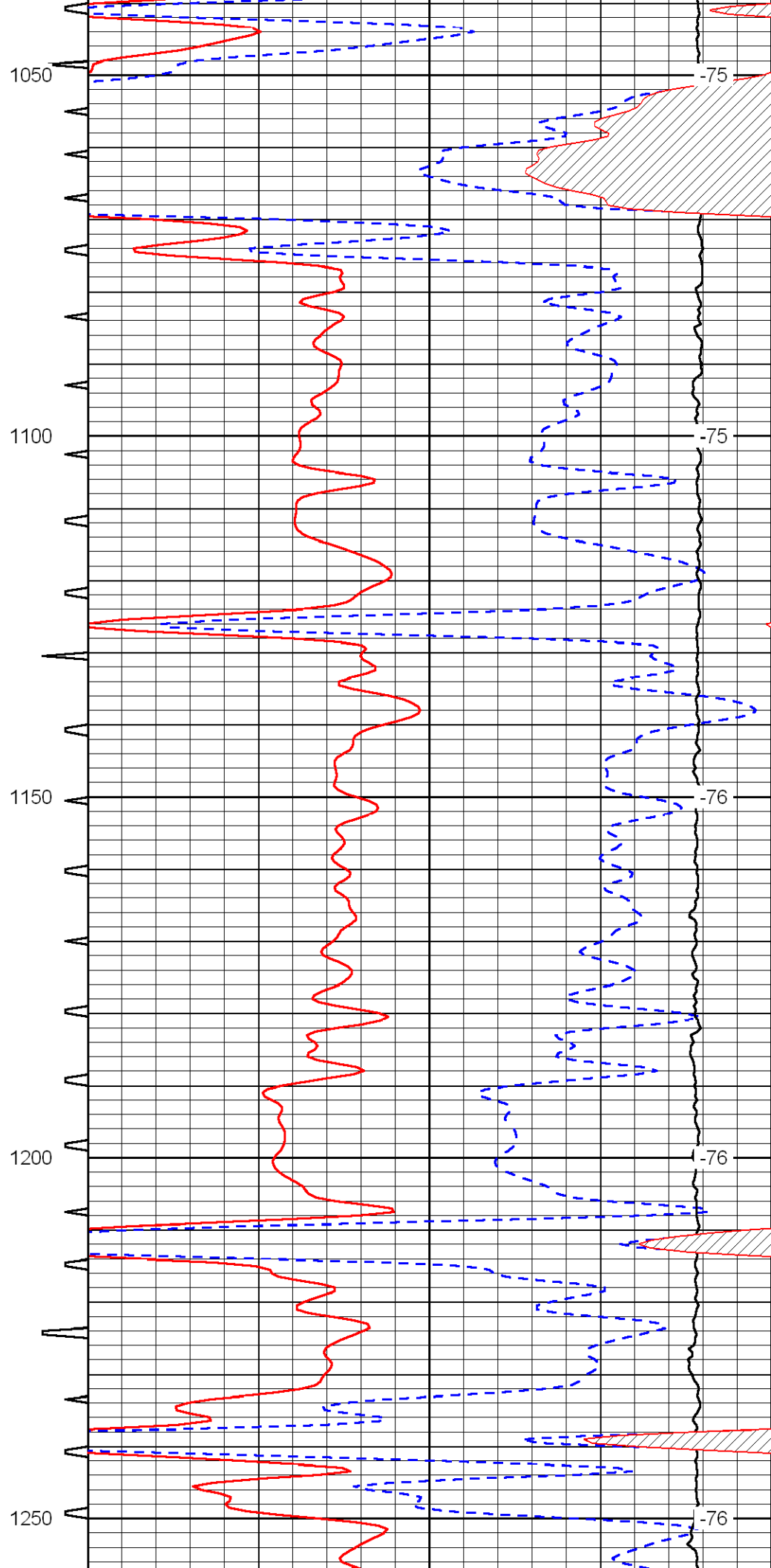
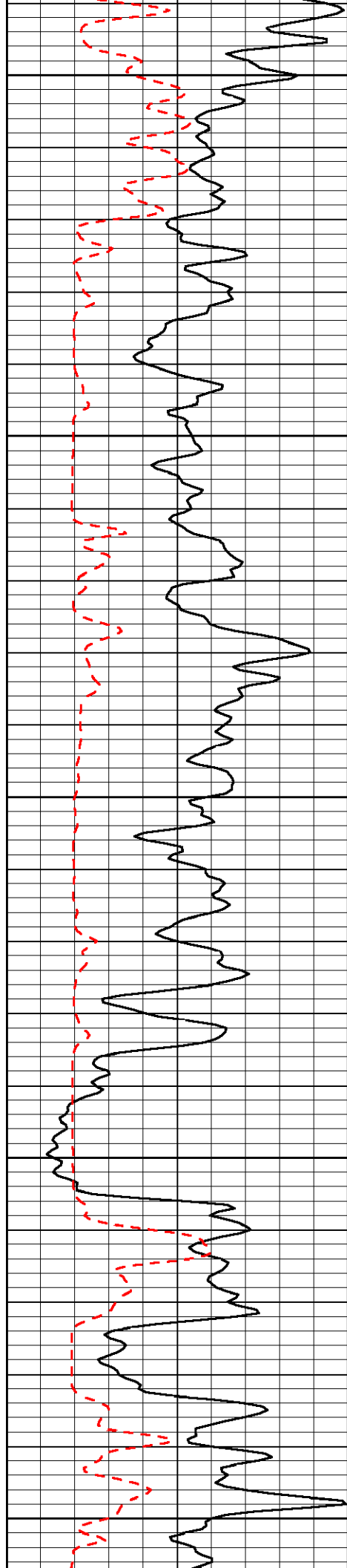
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	Gamma Ray	300	5 (msec)	0	SPOR (pu)	-10
6	Caliper (in)	16		10000	LTEN (lb) (lb)	0
						LSPD (ft/min)

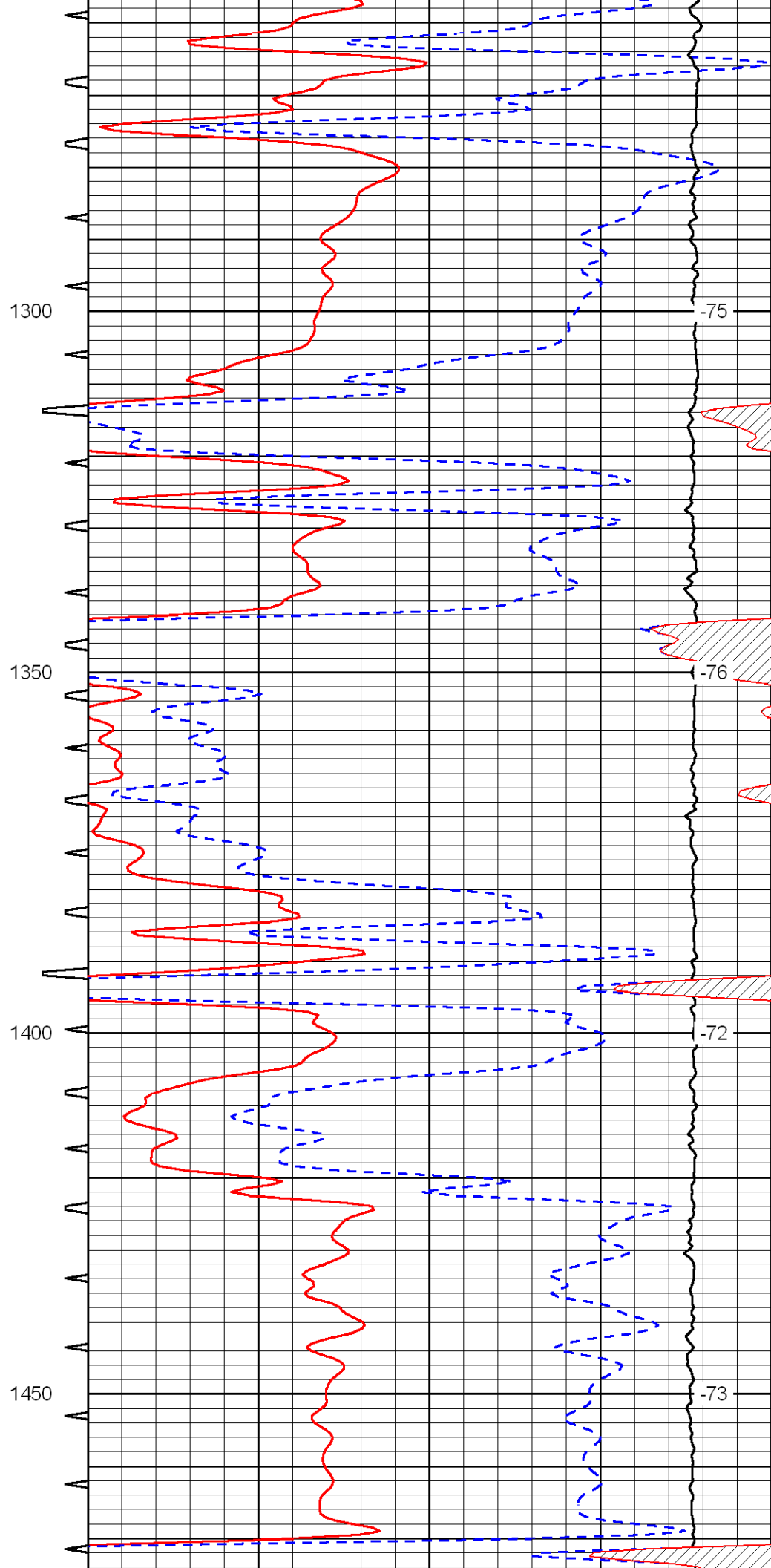
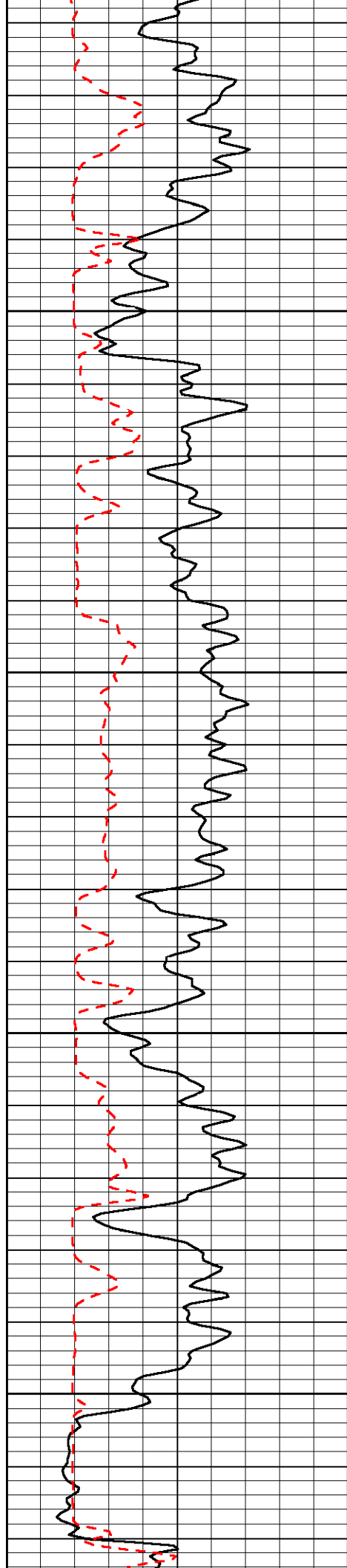


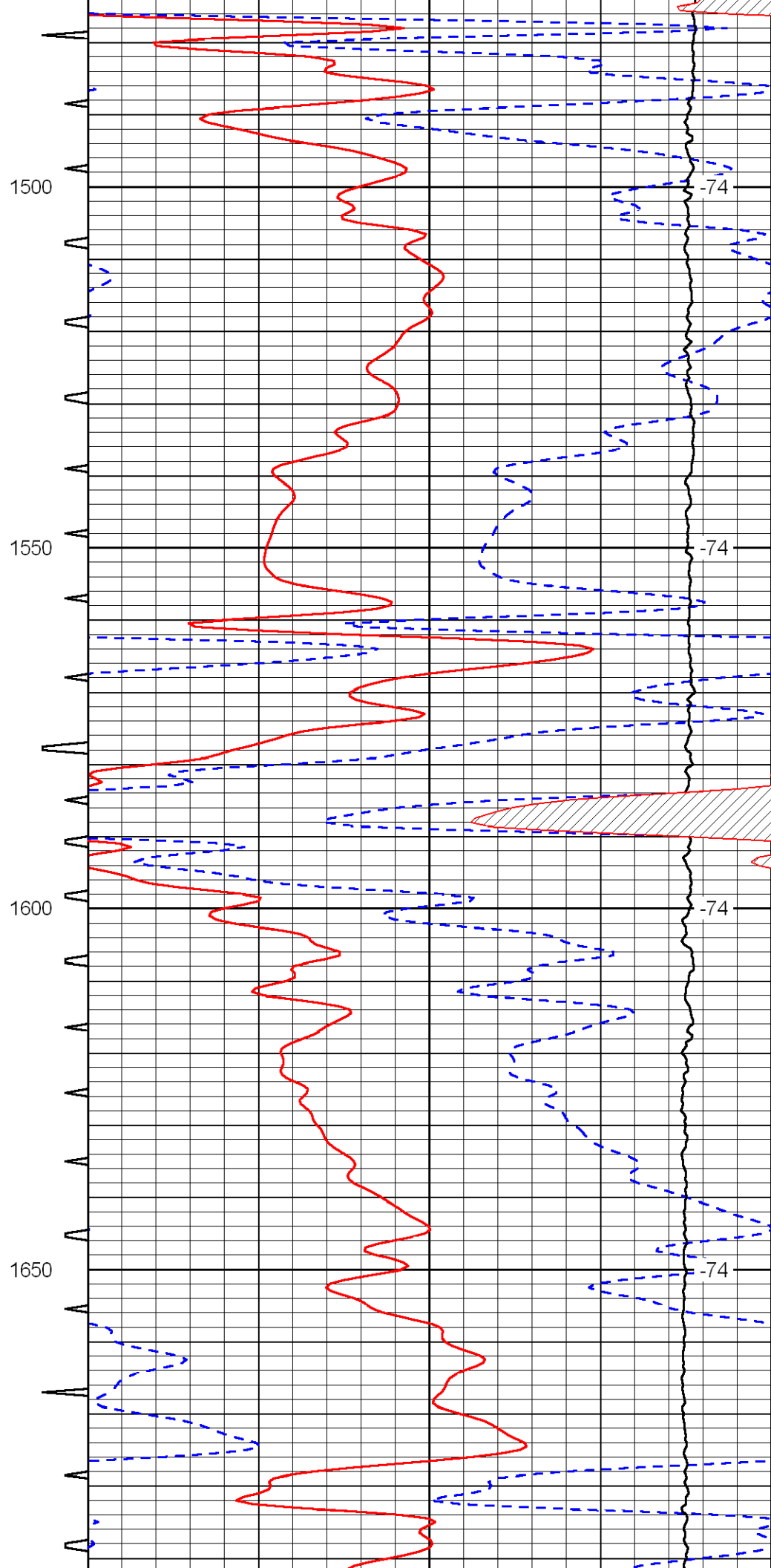
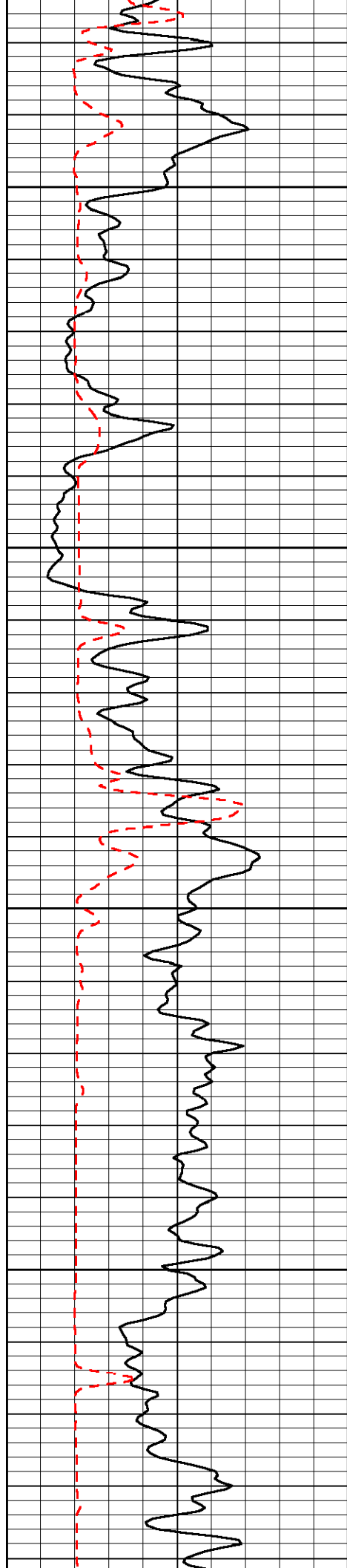


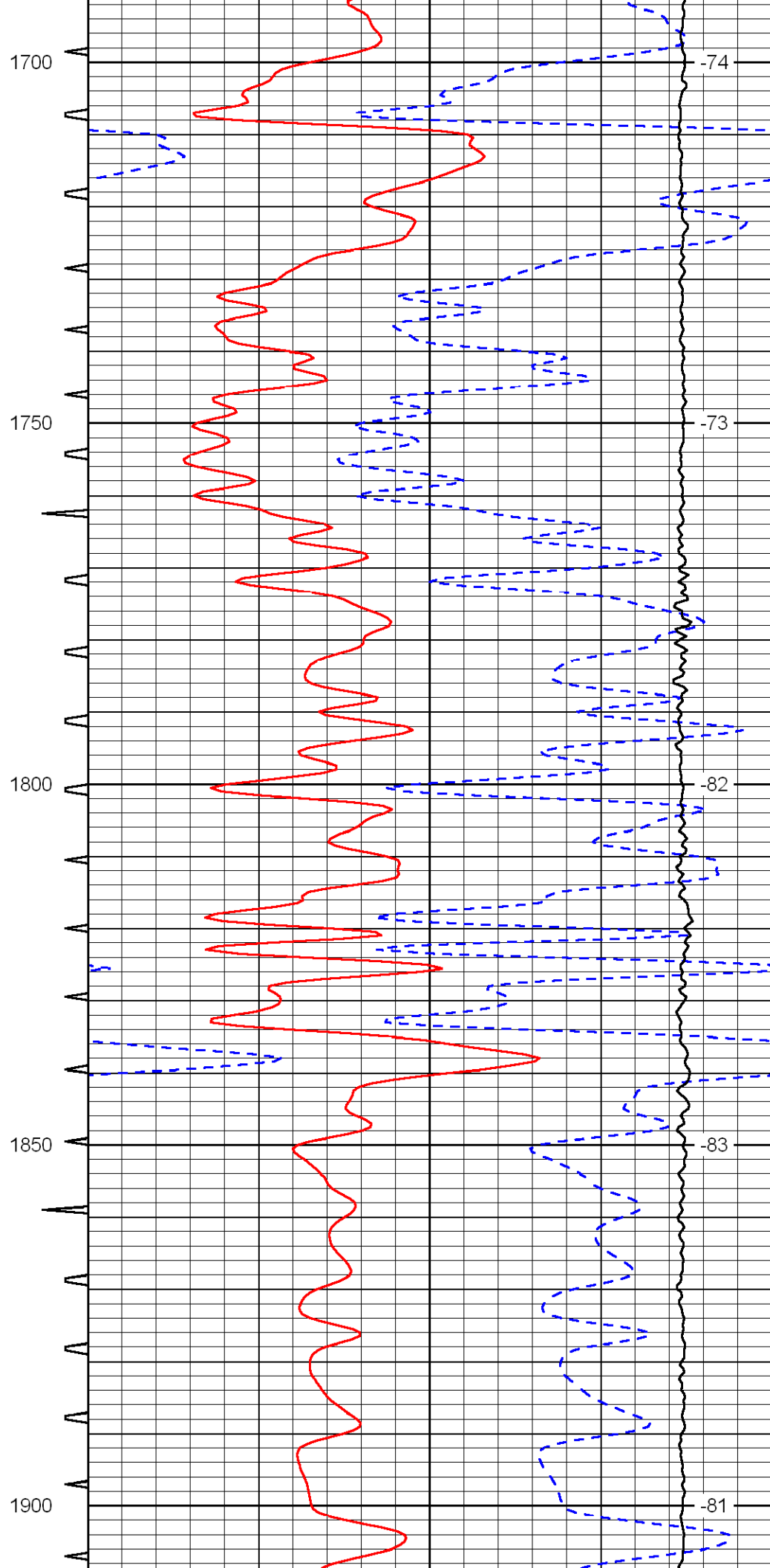
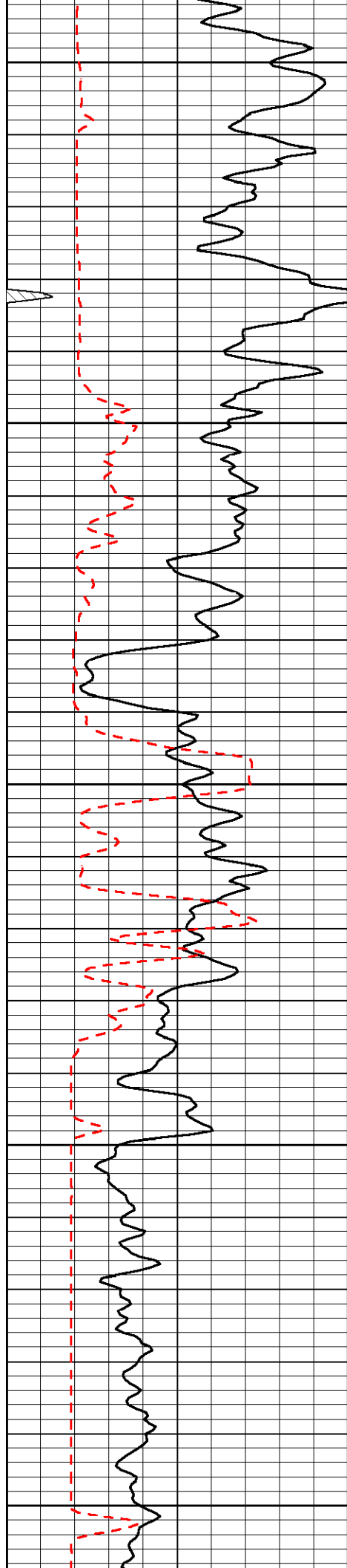


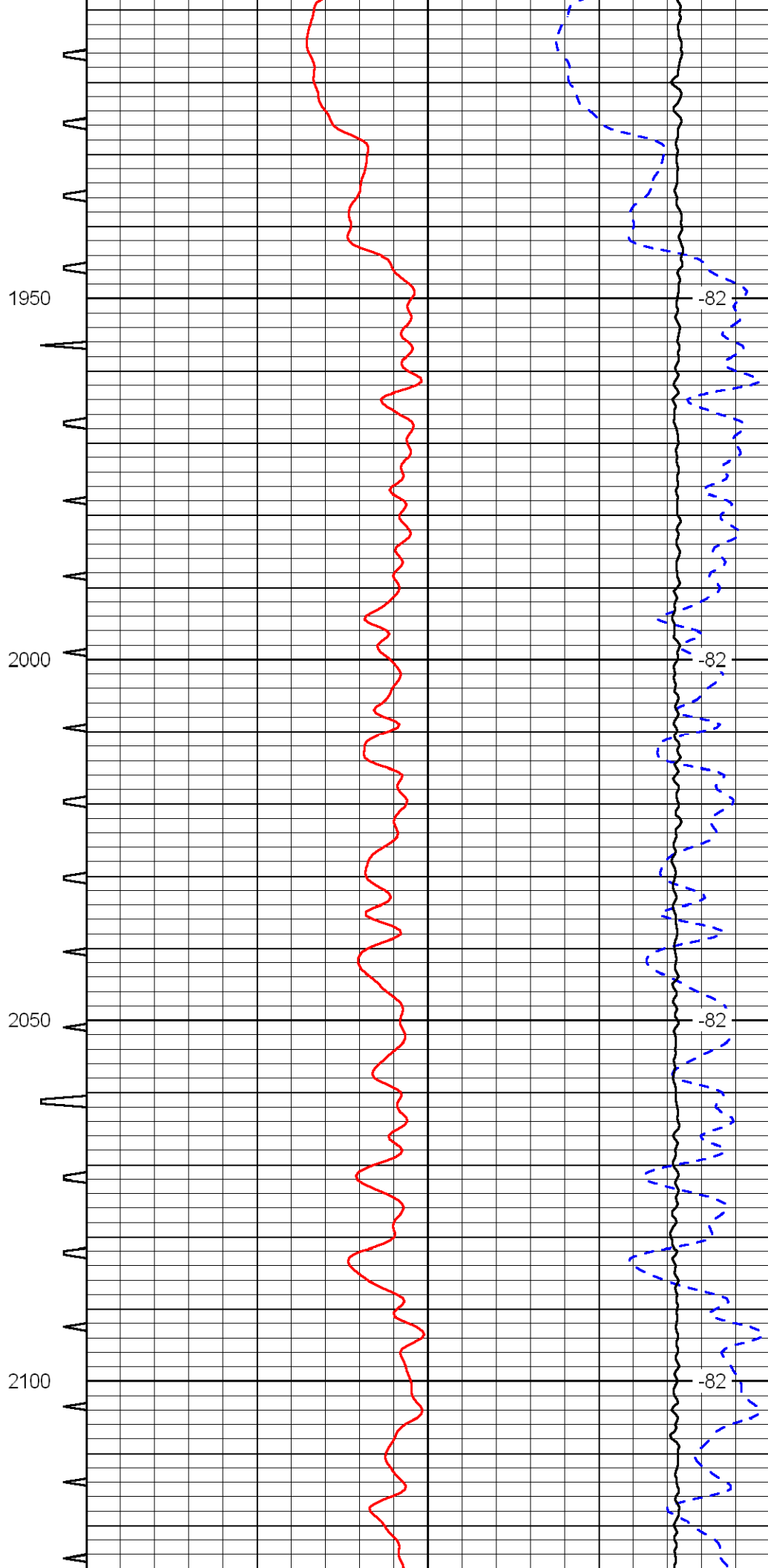
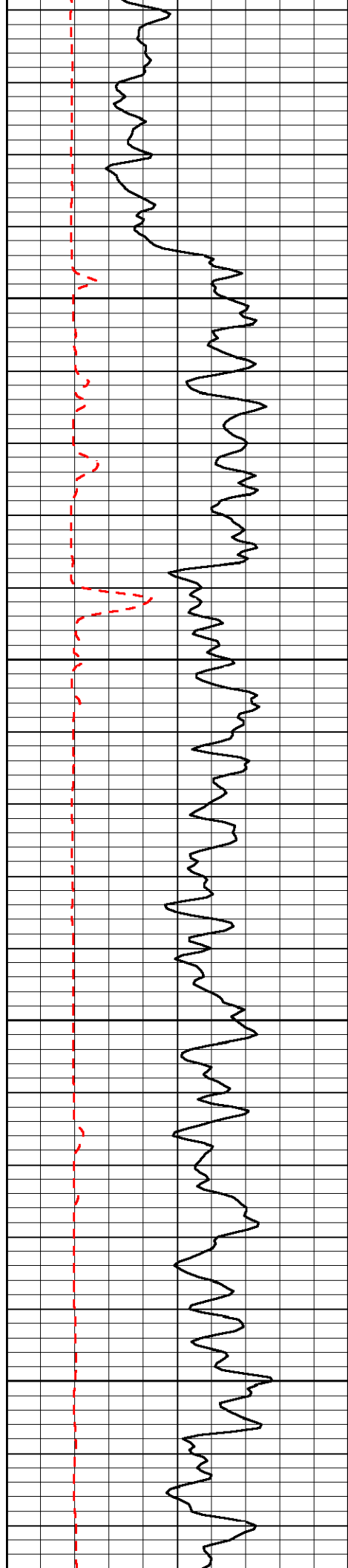


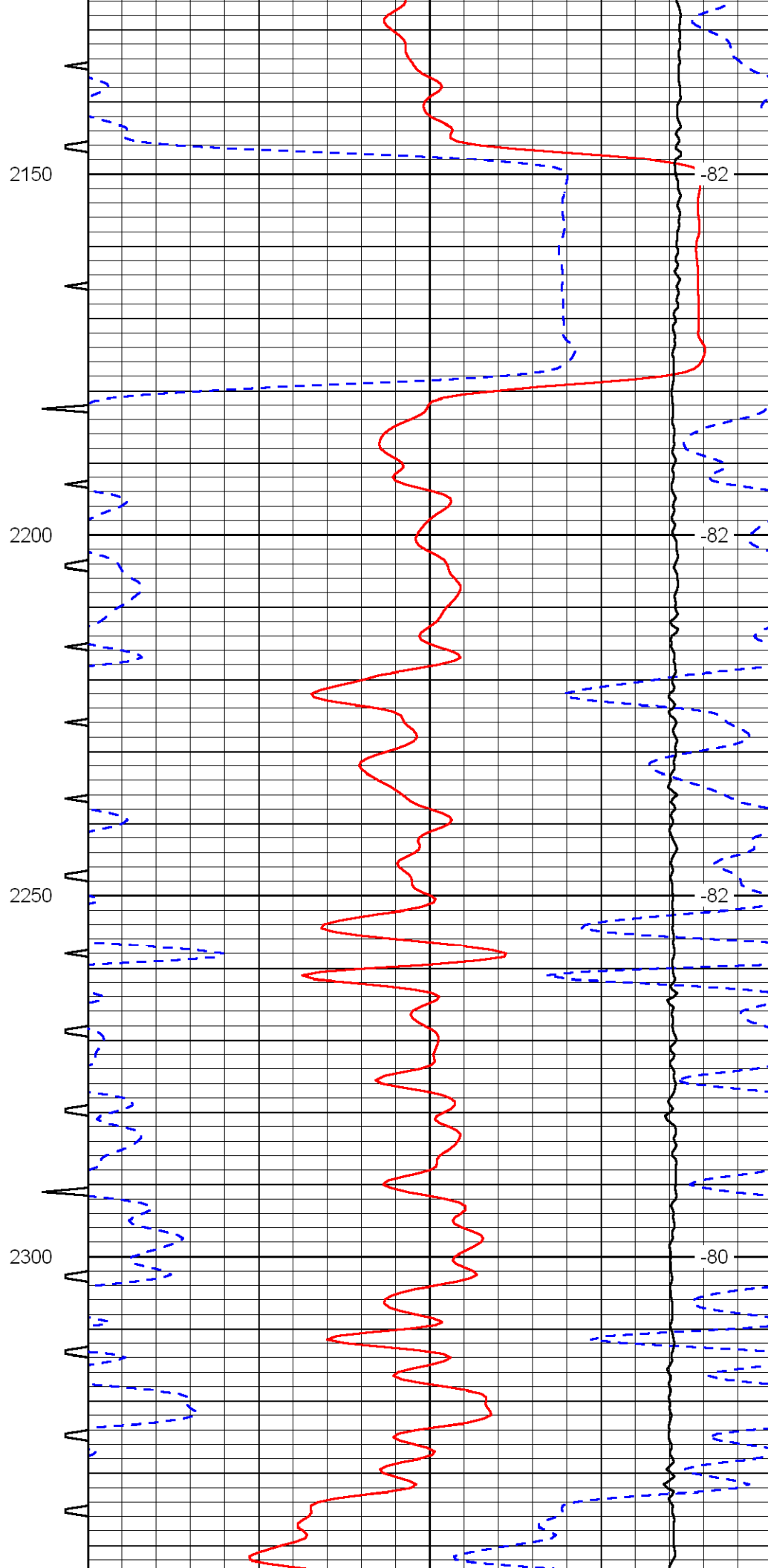
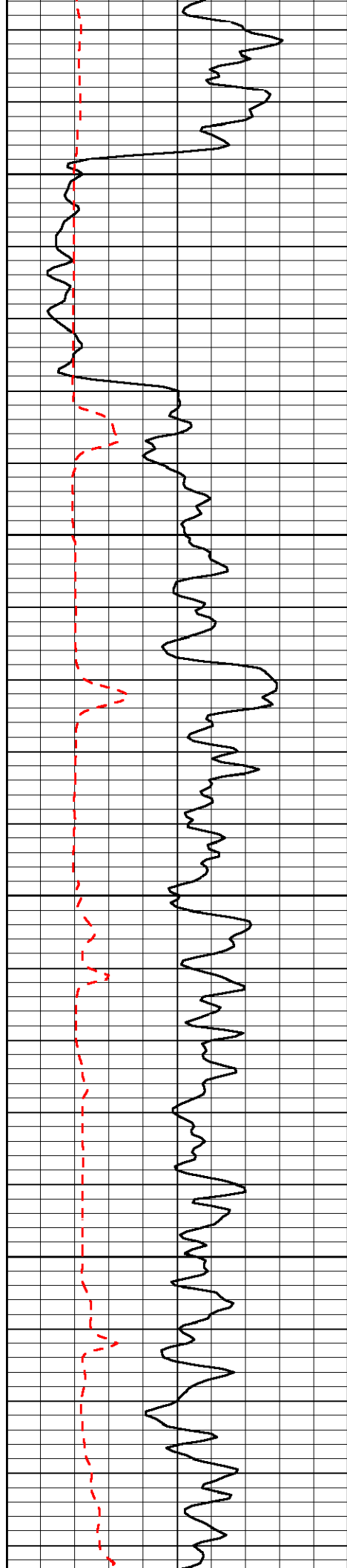


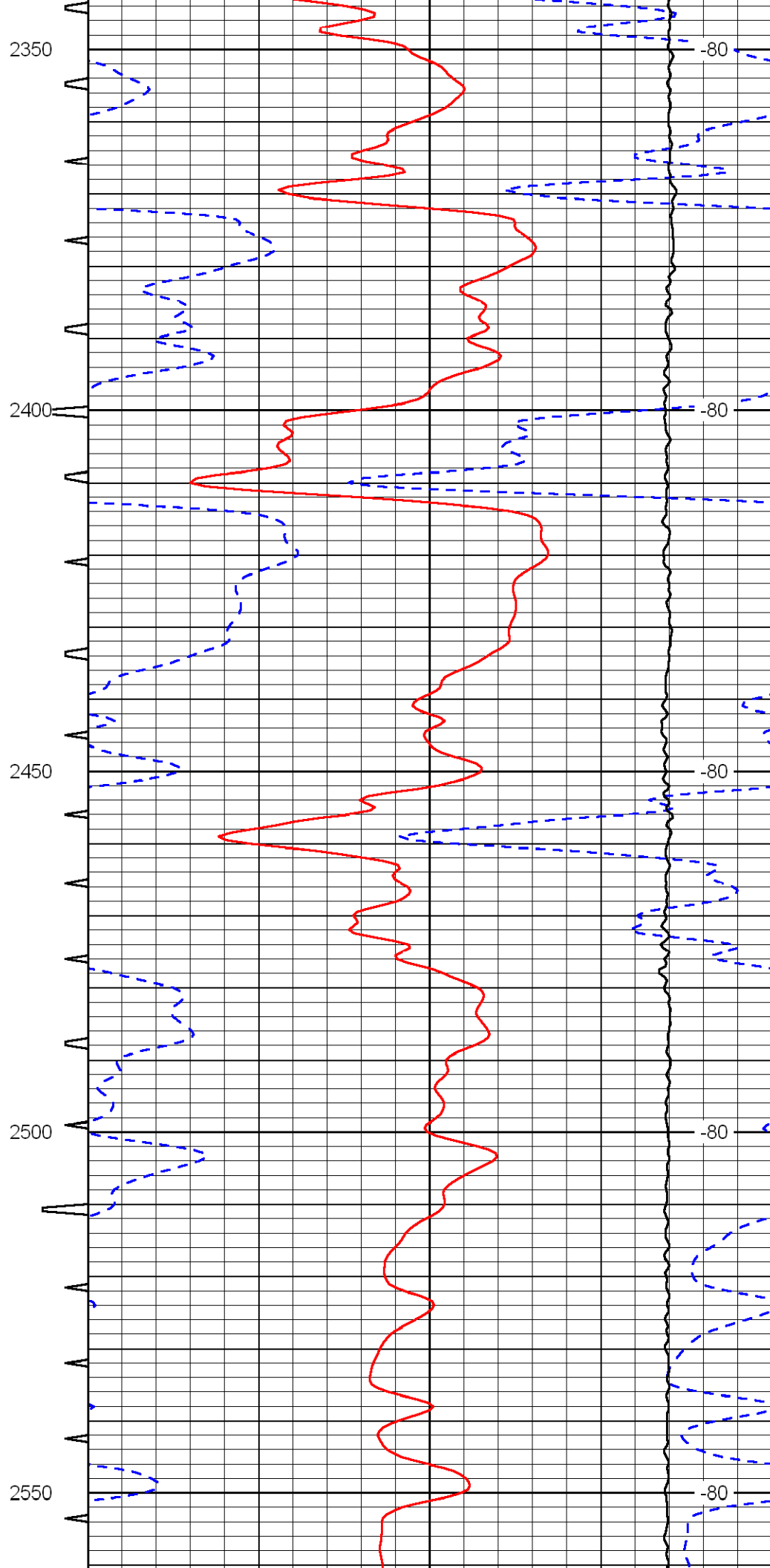
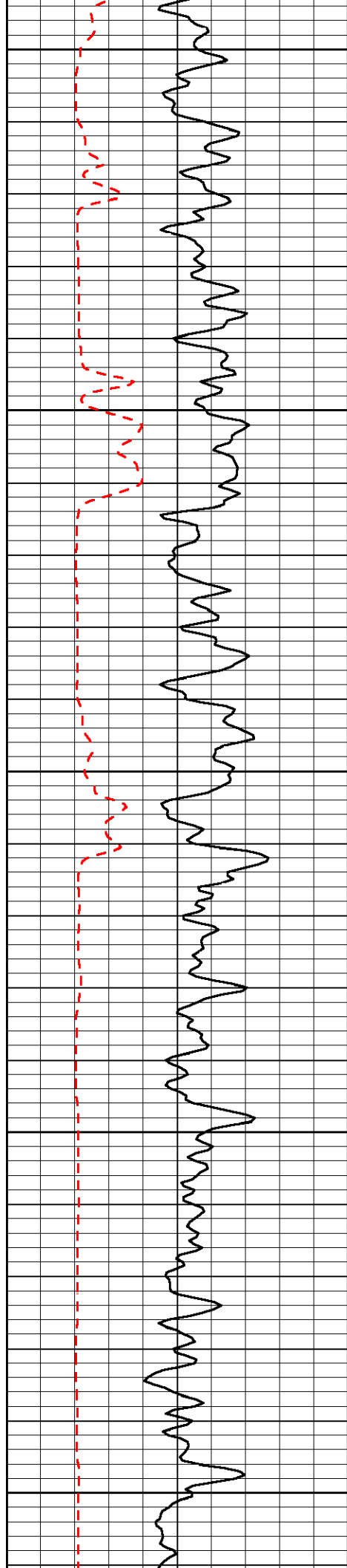


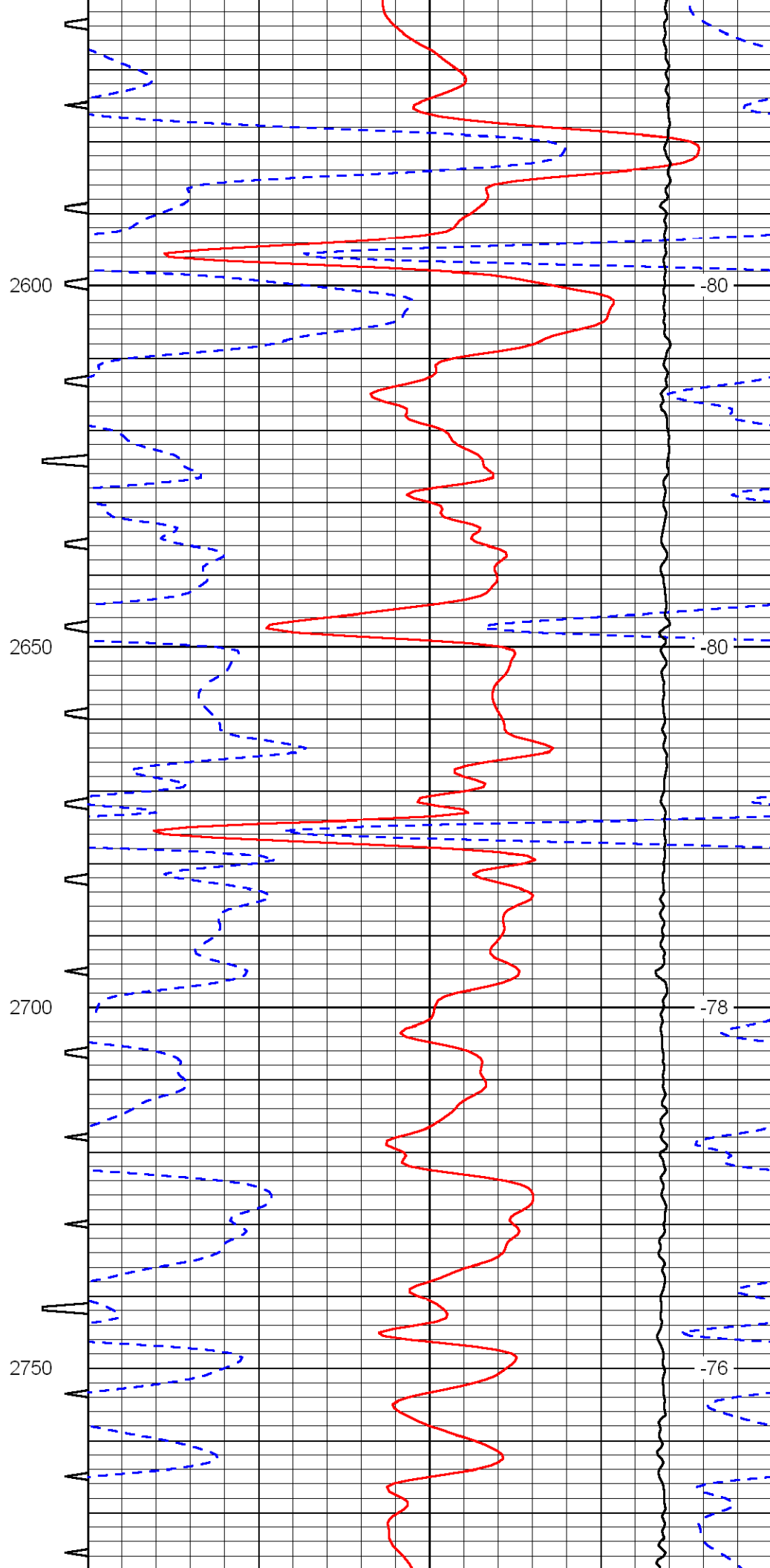
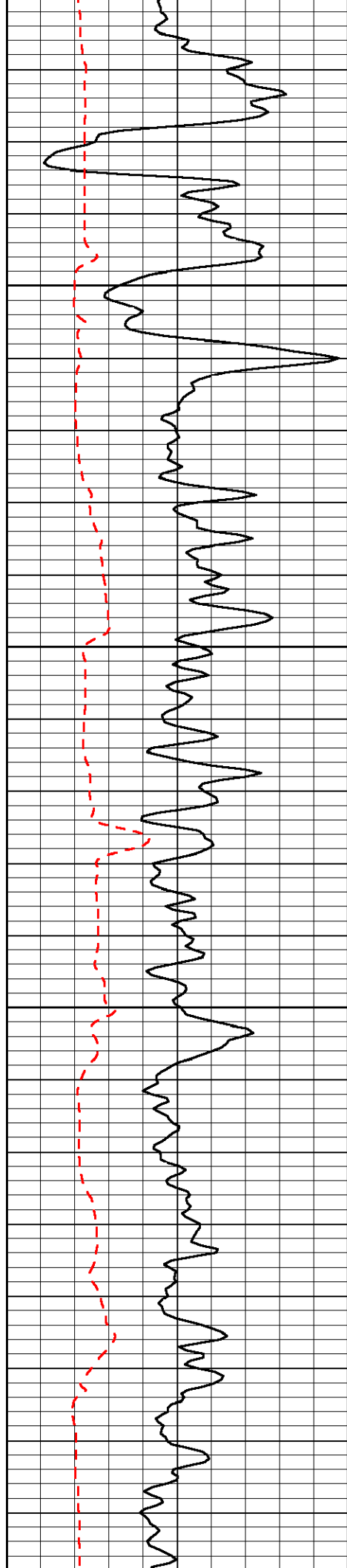


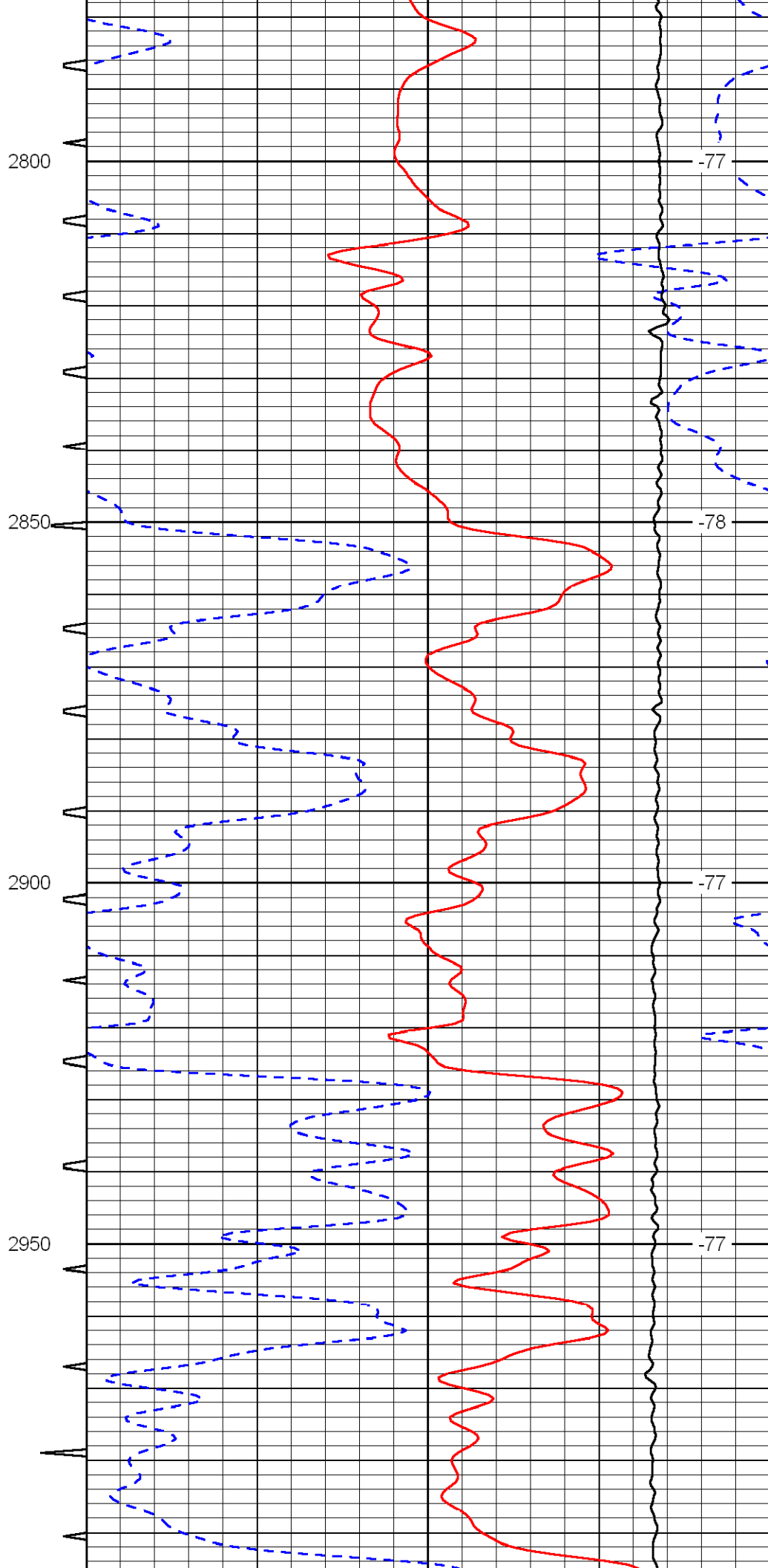
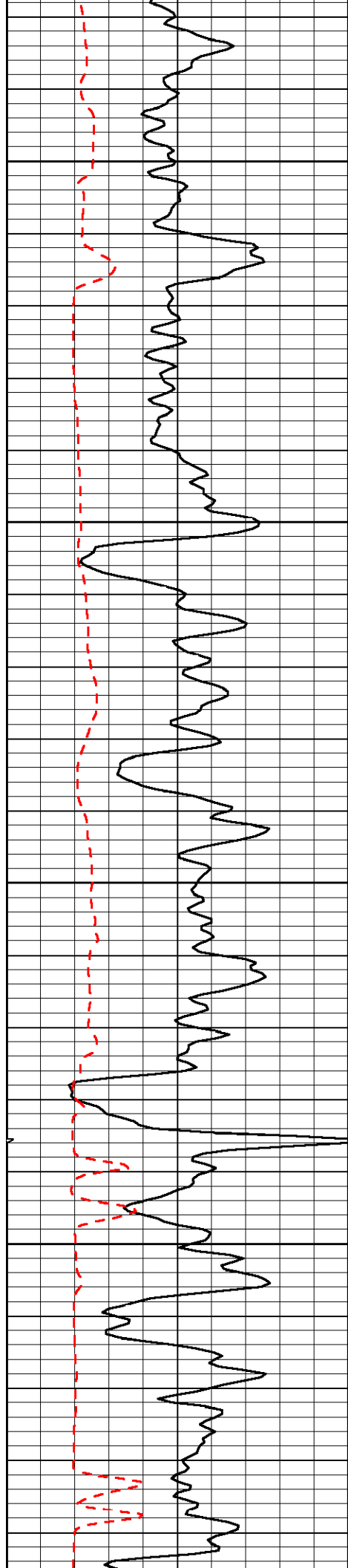


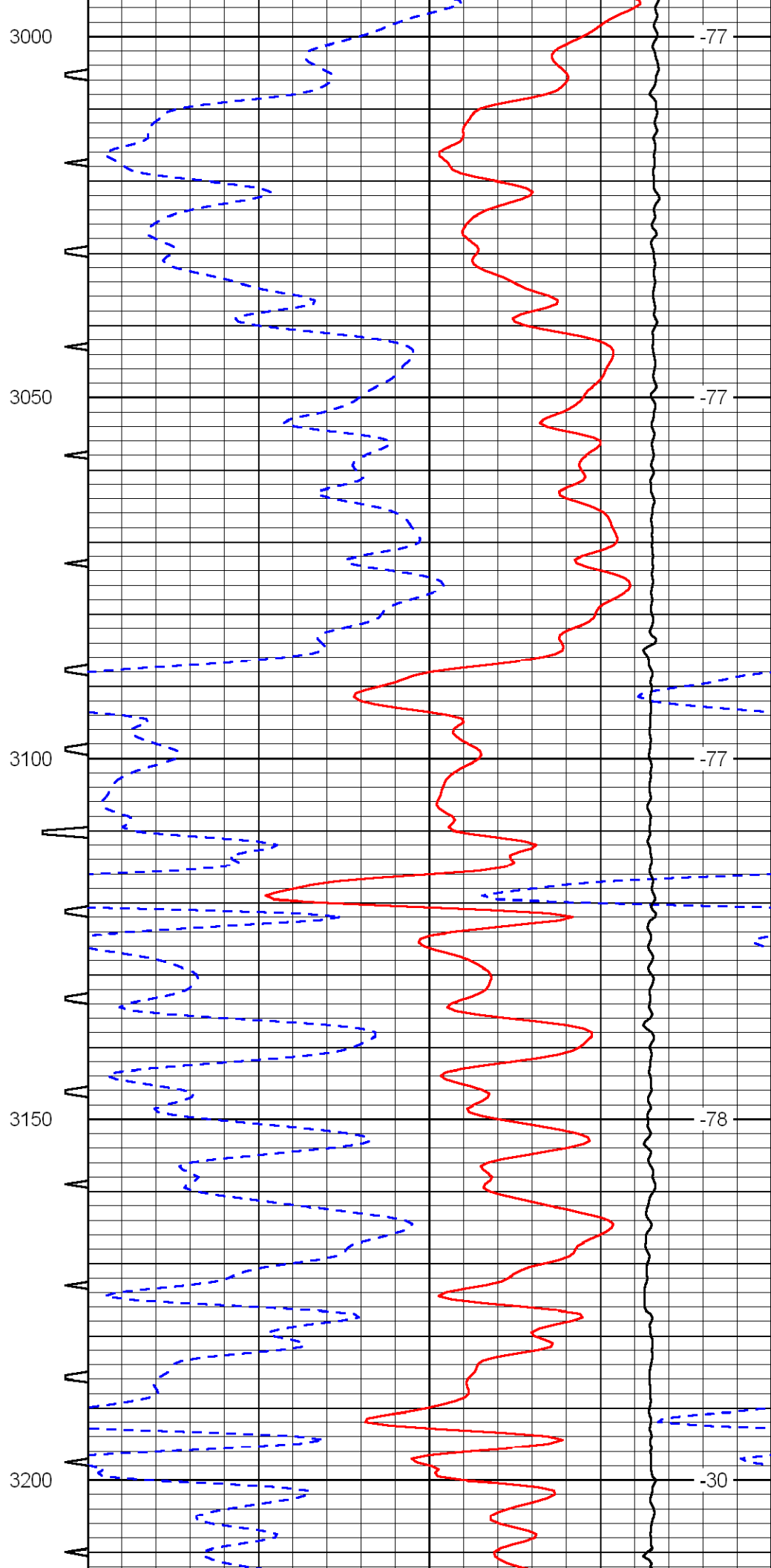
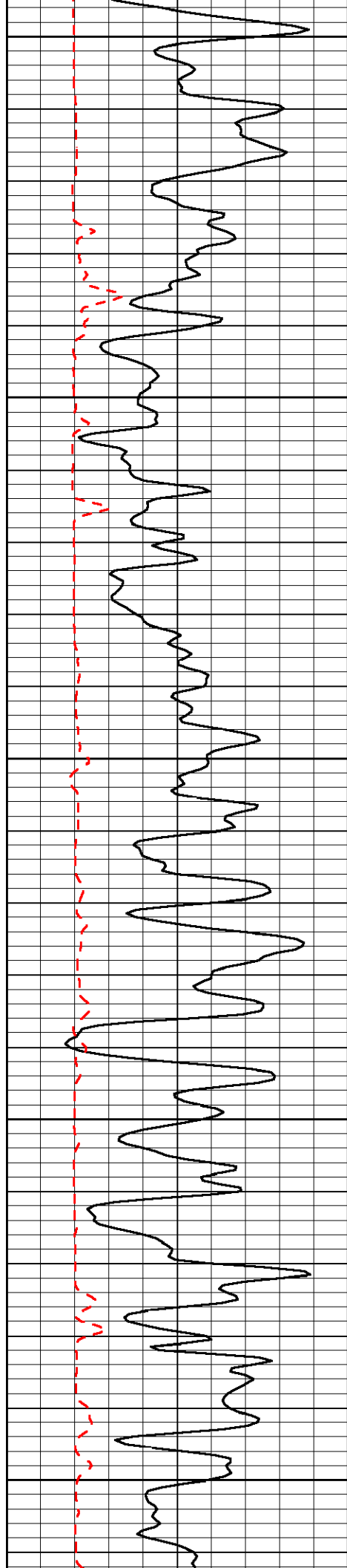


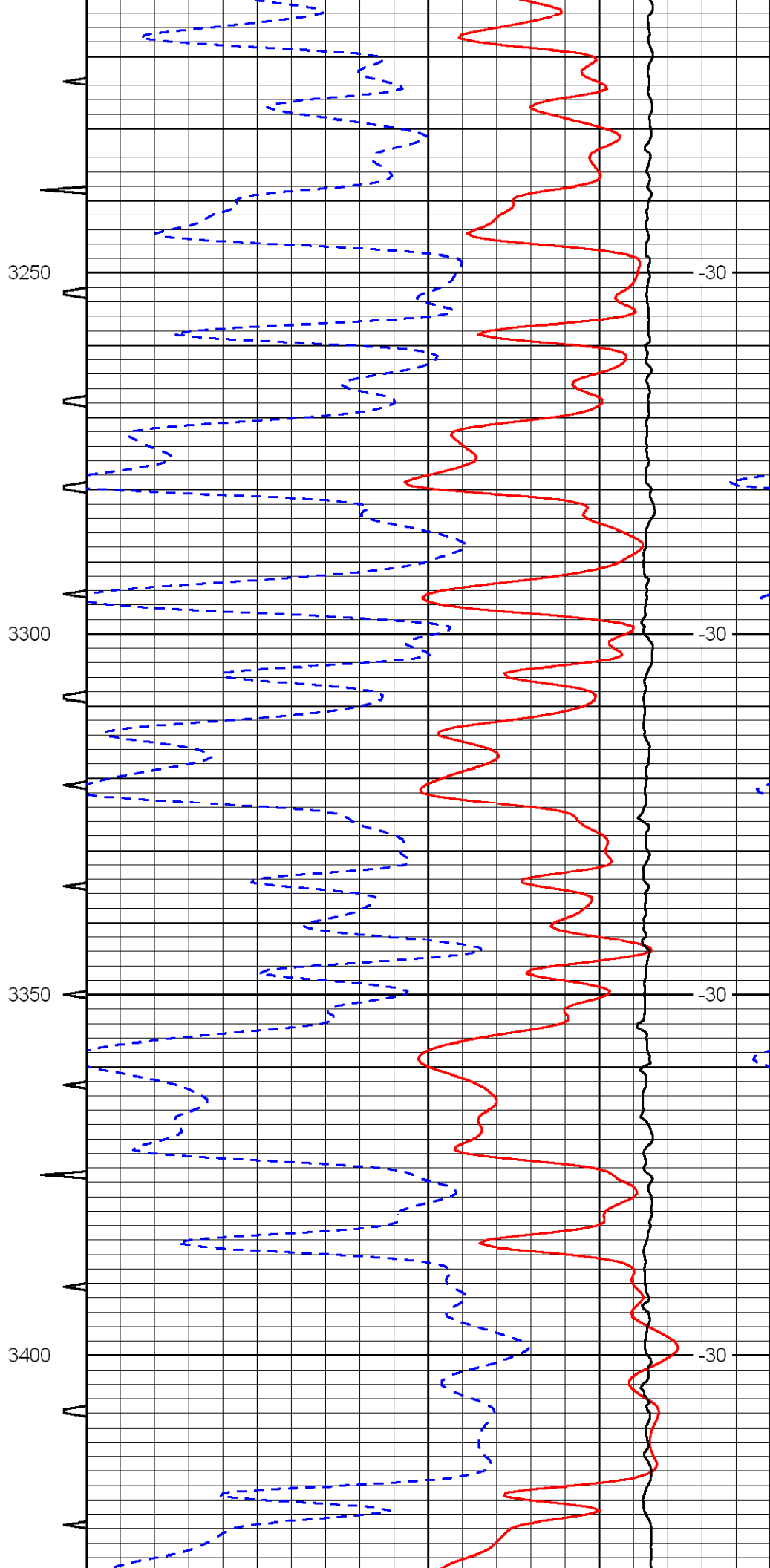
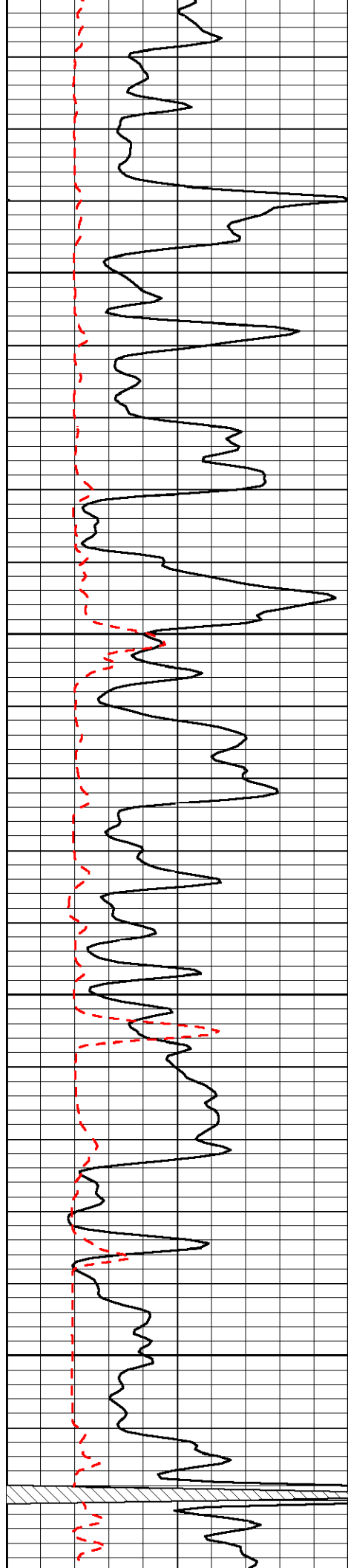


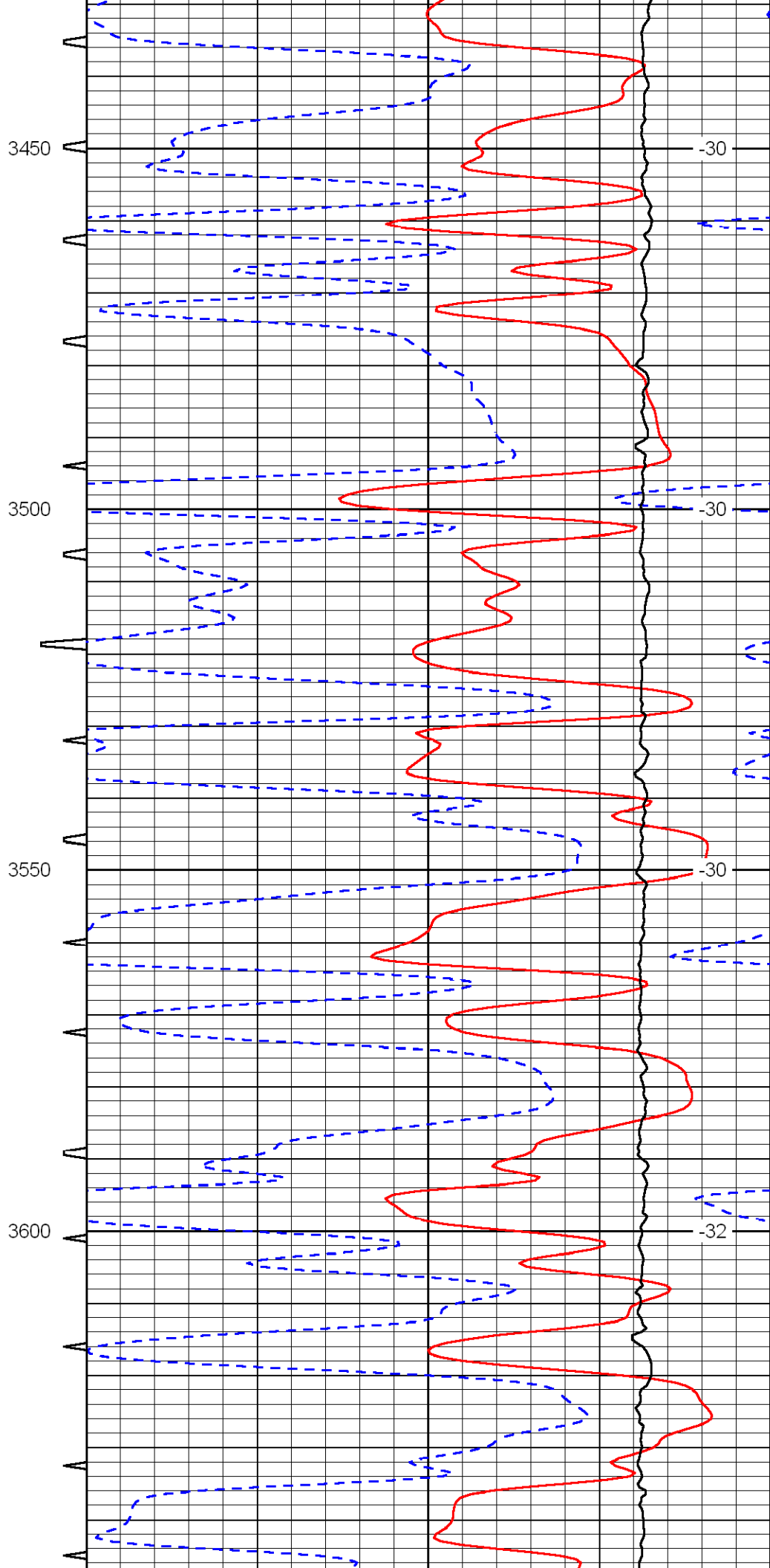
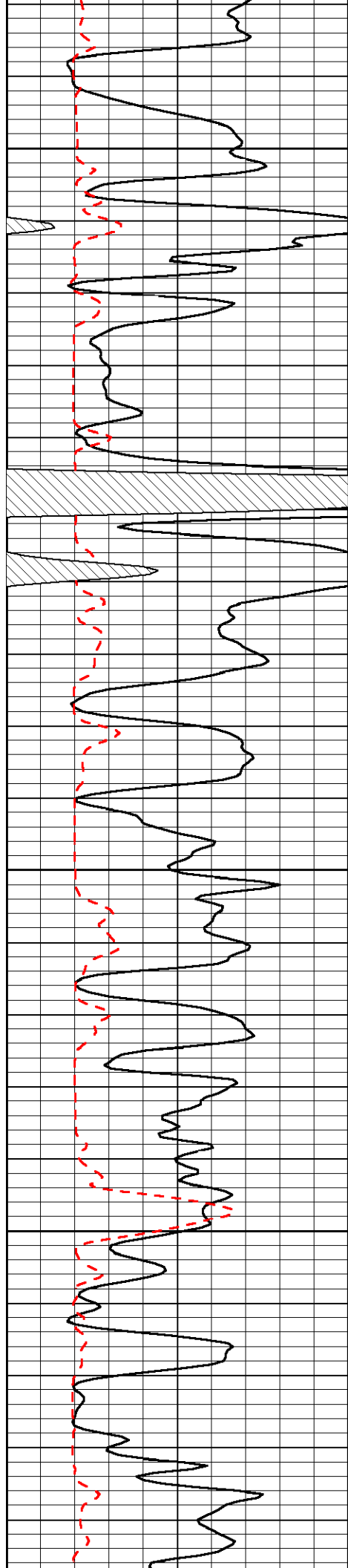


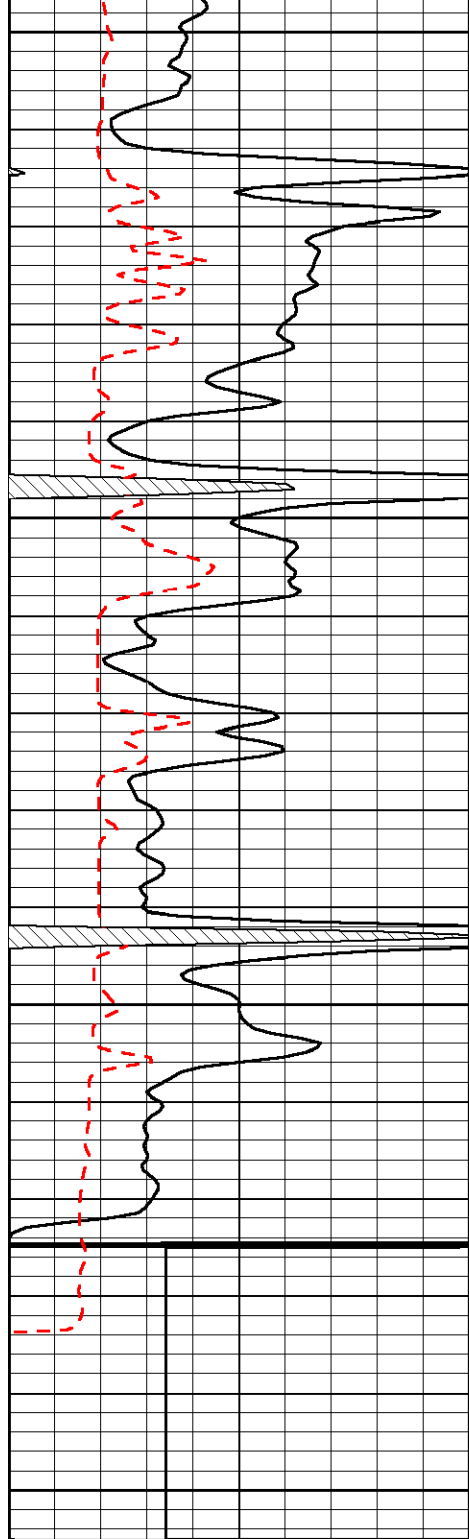




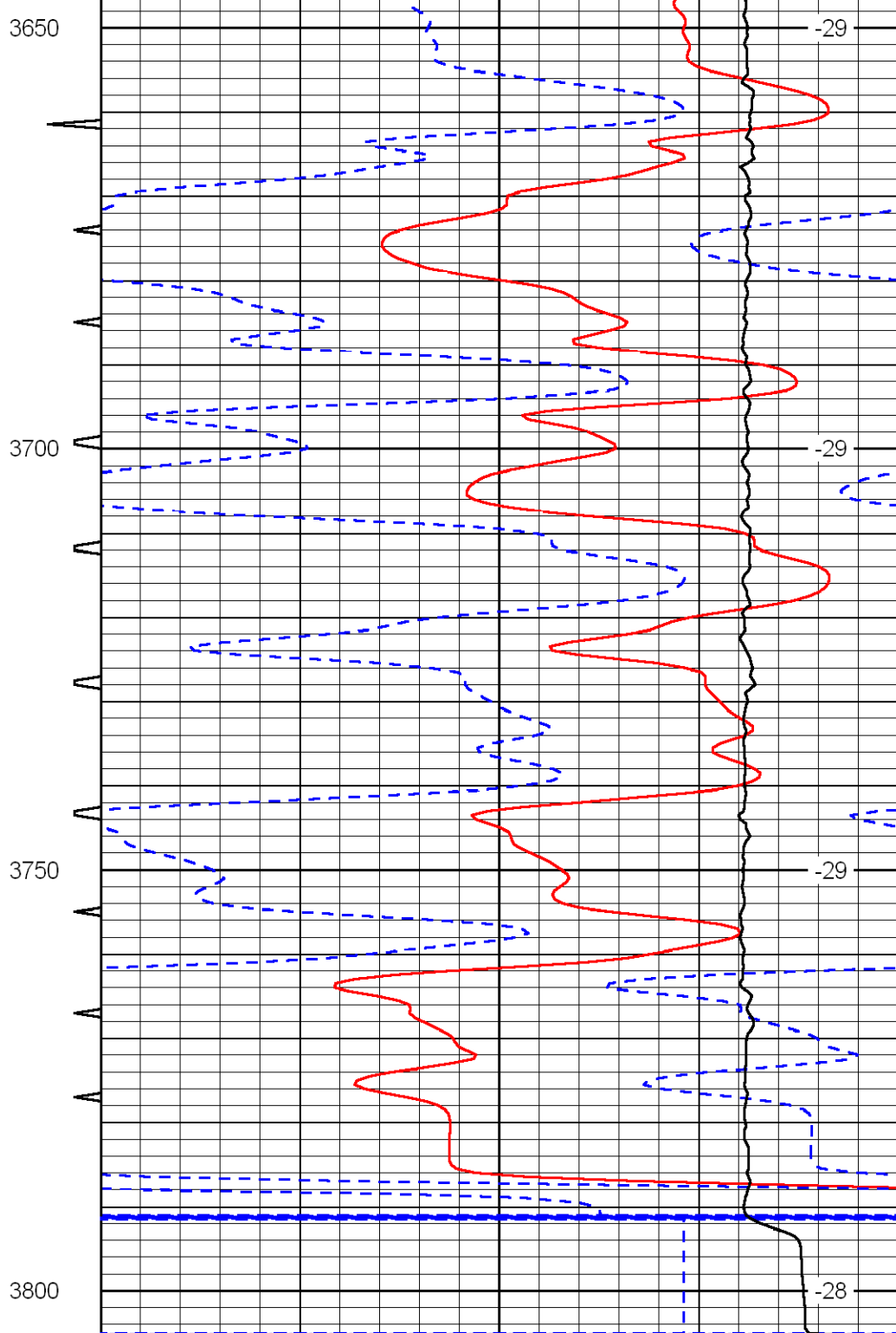








0	Gamma Ray	150
150	Gamma Ray	300
6	Caliper (in)	16



Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
5 (msec) 0	30	SPOR (pu)	-10
	10000	LTEN (lb) (lb)	0

LSPD
(ft/min)