

Borehole Compensated Sonic Log

(785) 625-3858

Company **H&C Oil Operating, Inc.**

Well Kraus # 18-1

Field Unknown

County Graham State Kansas

SW - NE - NW - SW
2150' FSL & 700' FWL

Other Services
CNL/CDL
MEL/DIL

Sec: 18 Twp: 8 S Rge: 21 W

Elevation

Permanent Datum	Ground Level	Elevation 2045
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

K.B.	2050
D.F.	2045

Run Number	Two
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Depth Driller	33333
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Depill Loggel	0000
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Top Logged Interval	250
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Salinity: PPM CL 1500

25	7
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Max. Rec. Temp.	113
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Equipment -- Location	15	Ha
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Witnessed By
Marc Downir

Bit	From	To
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31

[illegible]

	07/1	8	207
-	07/1	8	207

2

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[illegible]

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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.

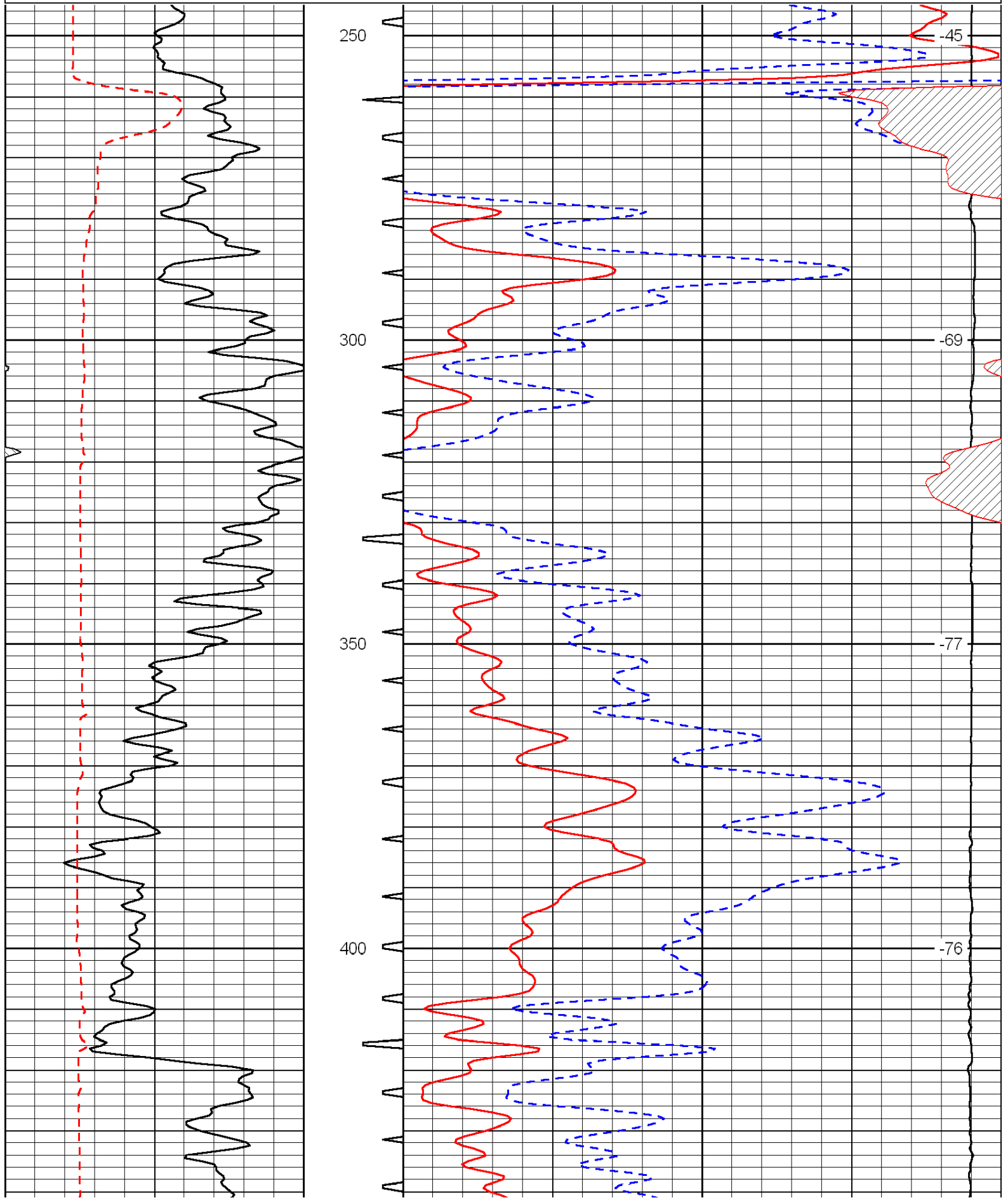
Comments

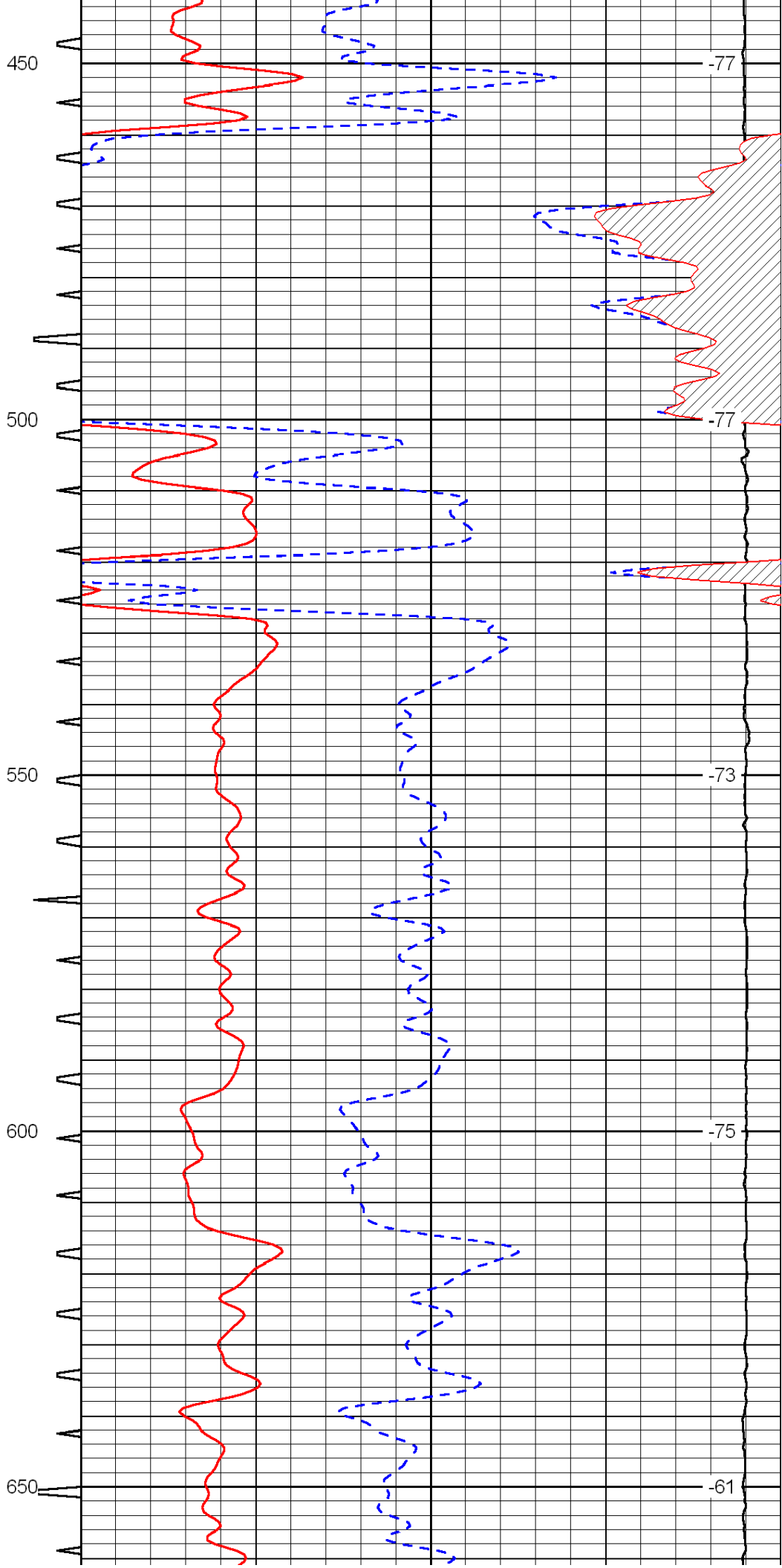
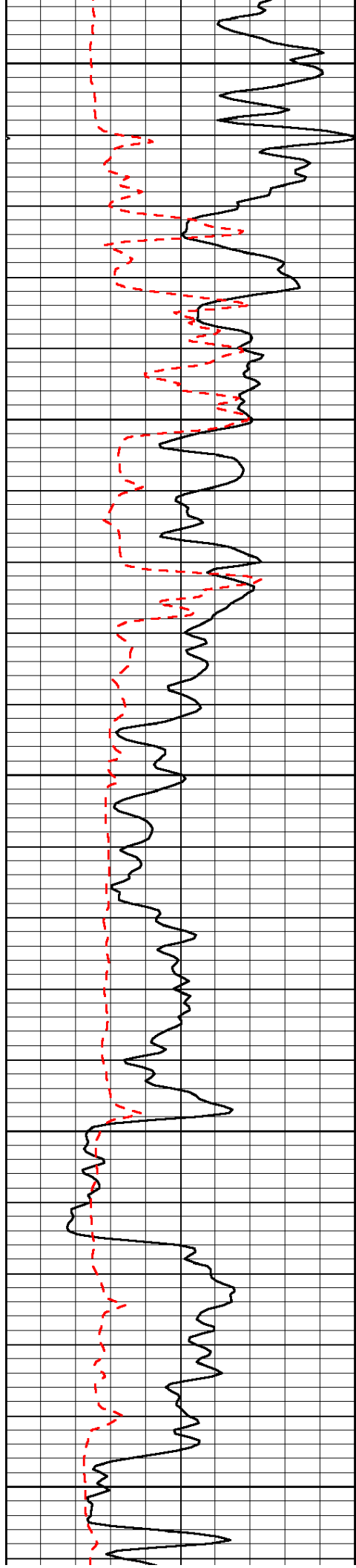
Thank you for using Log-Tech, Inc.
(785) 625-3858

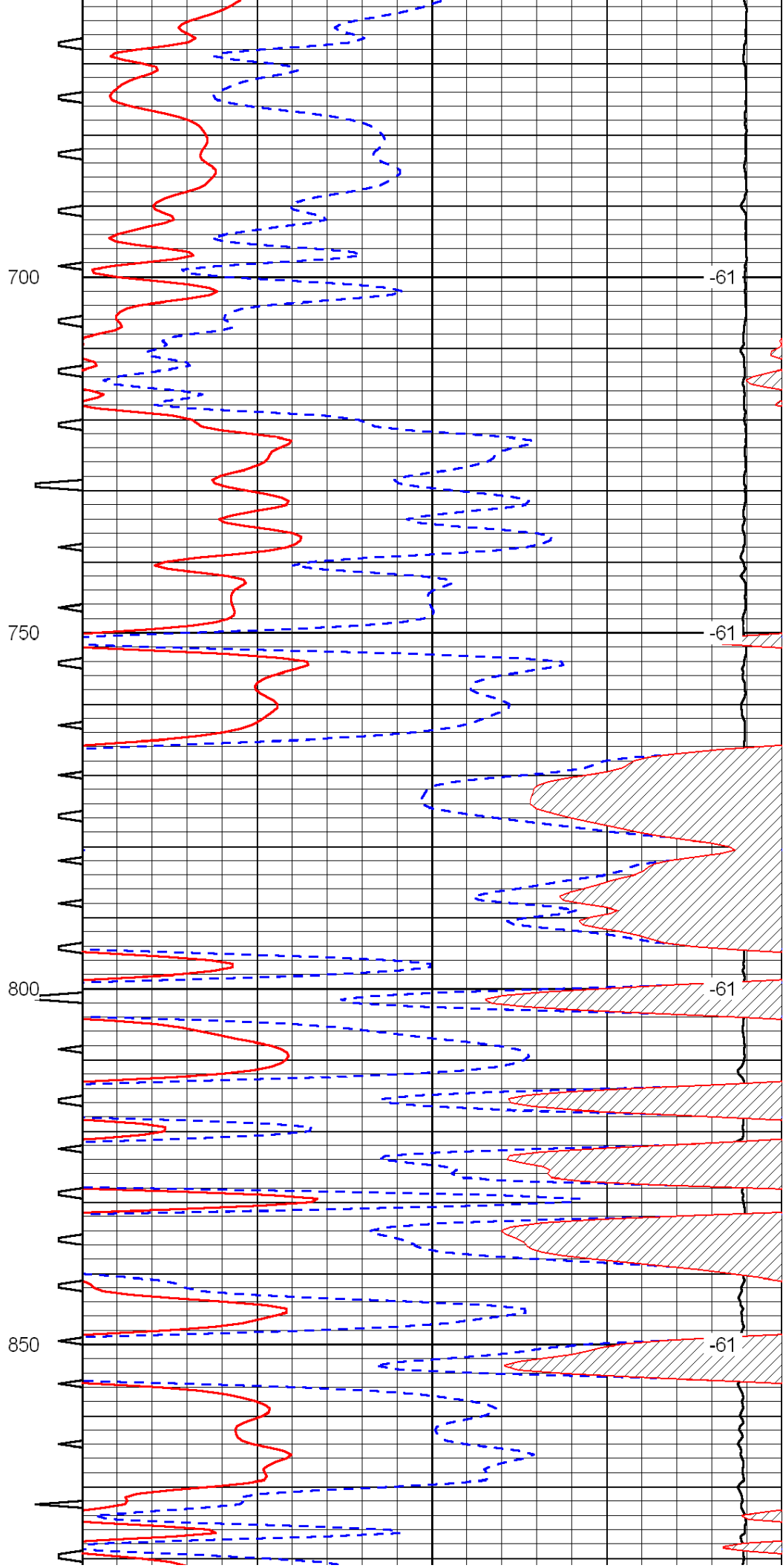
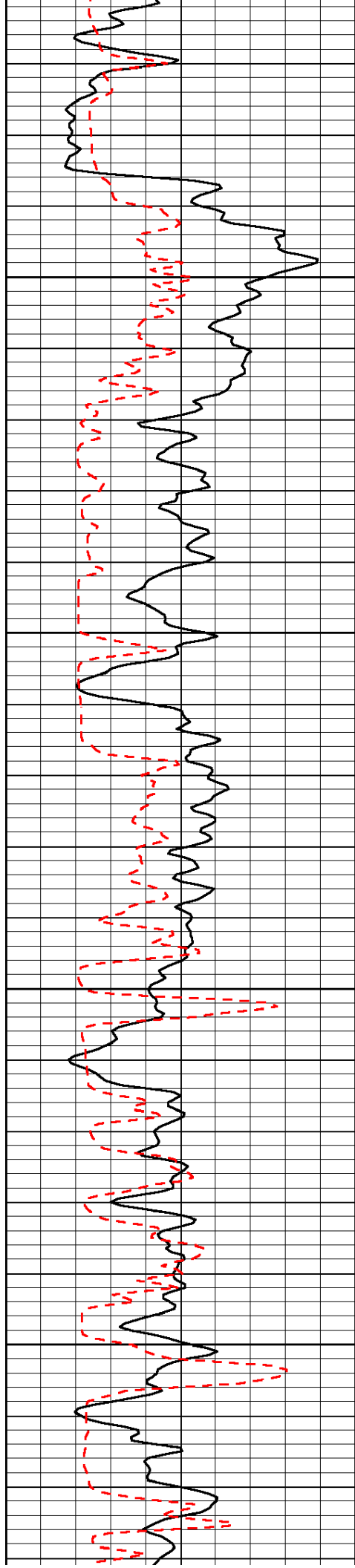
Boque, Ks; 1-1/2 West; South and East into

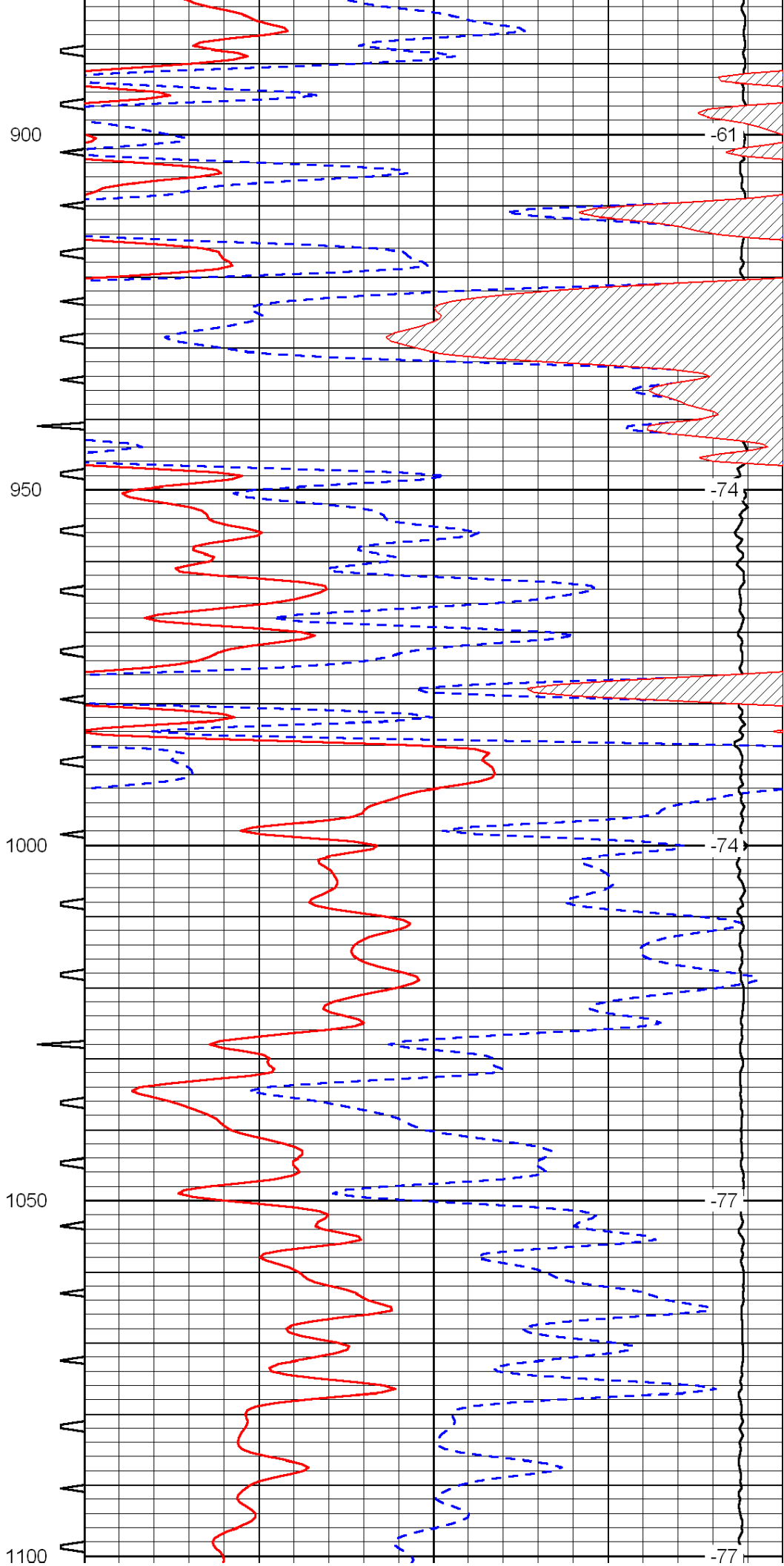
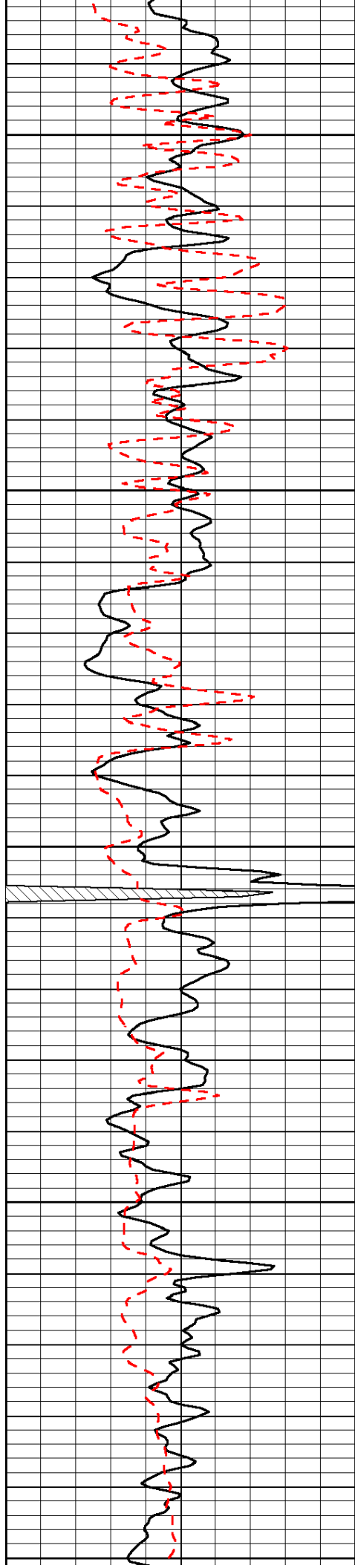
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Dataset Pathname: DIL/h&cstk
Presentation Format: sonic
Dataset Creation: Tue Apr 06 11:44:16 2010
Charted by: Depth in Feet scaled 1:240

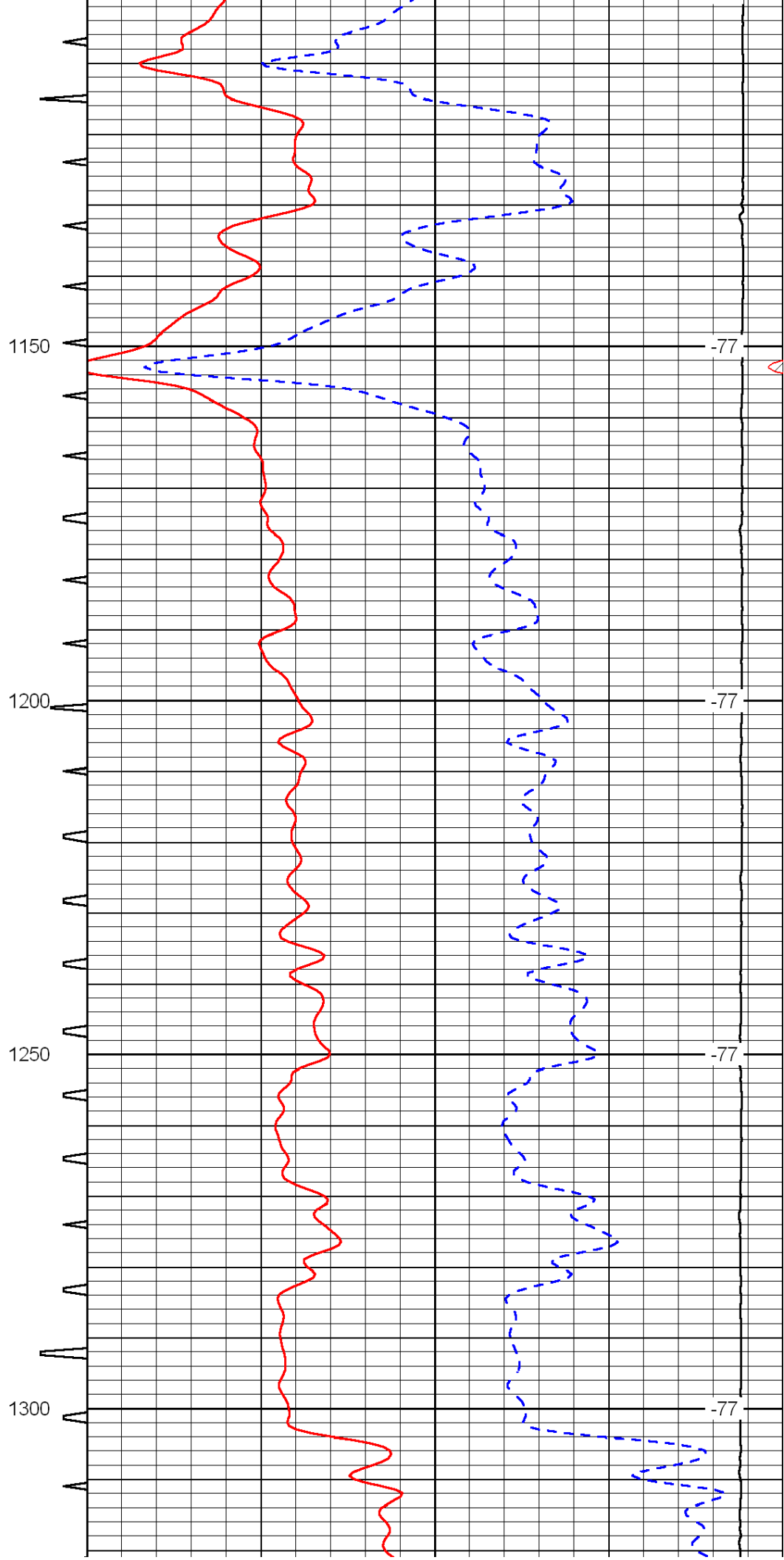
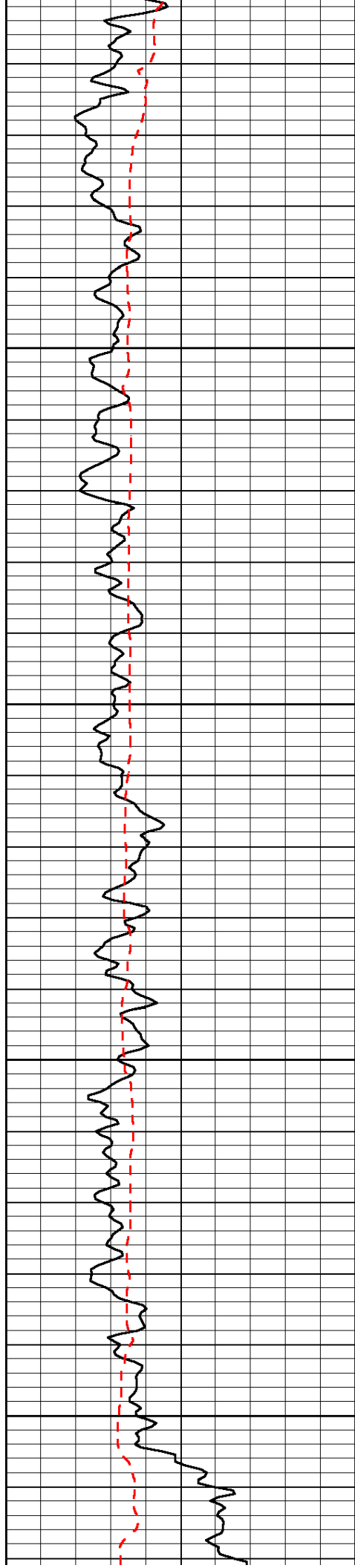
Charted by:		Depth in Feet scaled 1:2.15					
0	Gamma Ray	150	5	0	140	Delta Time (usec/ft)	40
150	Gamma Ray	300			30	SPOR	-10
6	Caliper (GAPI)	16			15000	LTEN (lb)	0
							LSPD

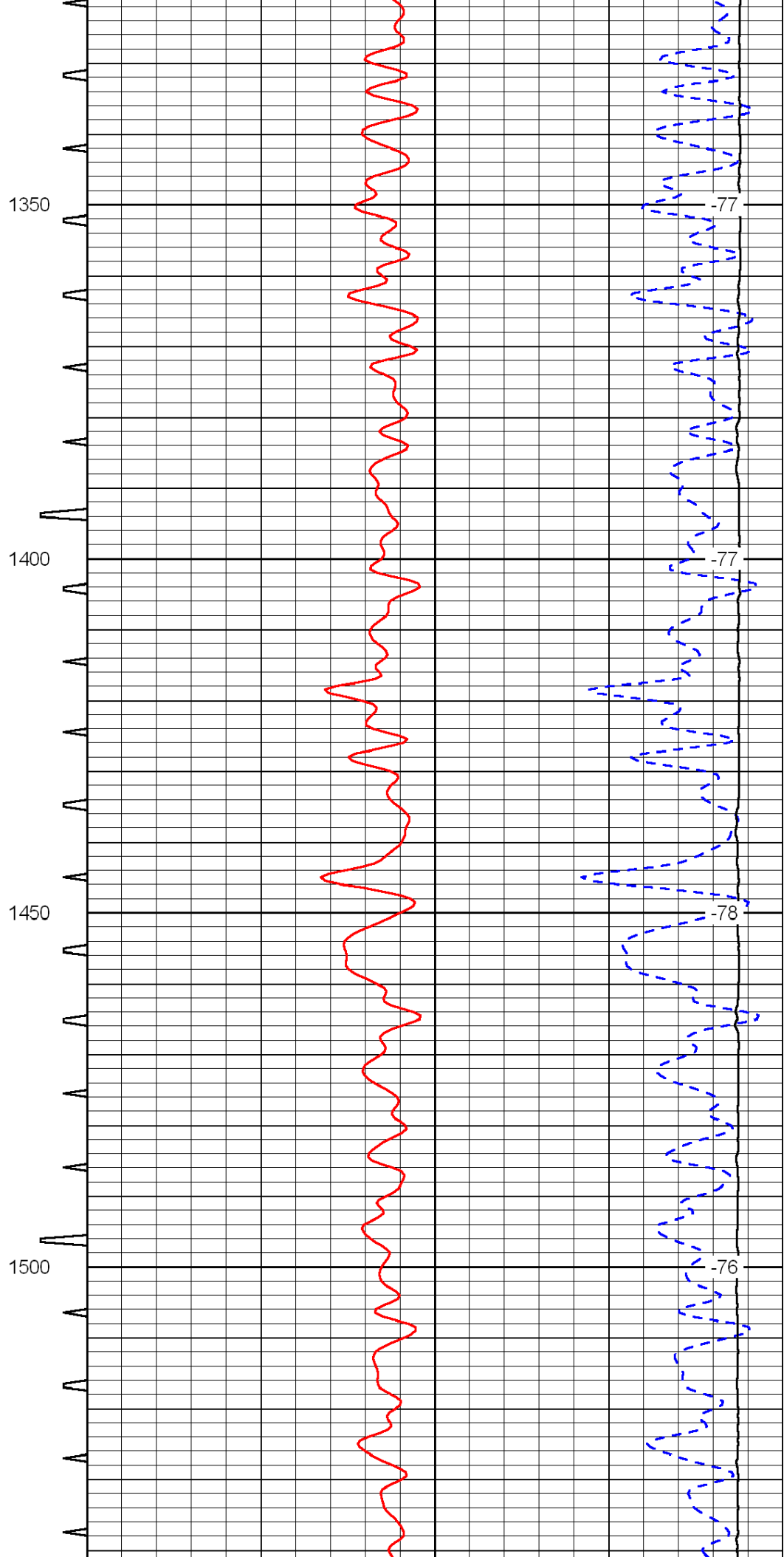
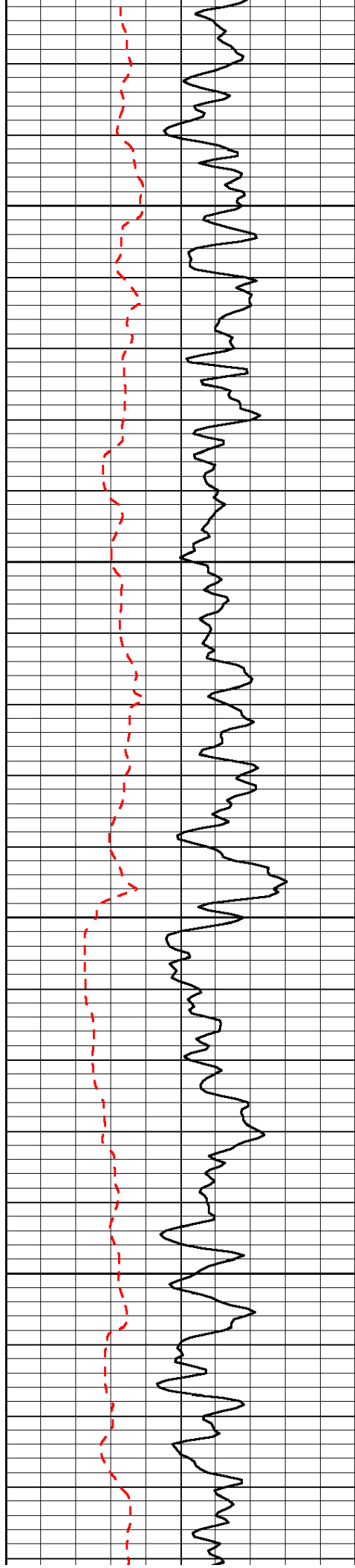


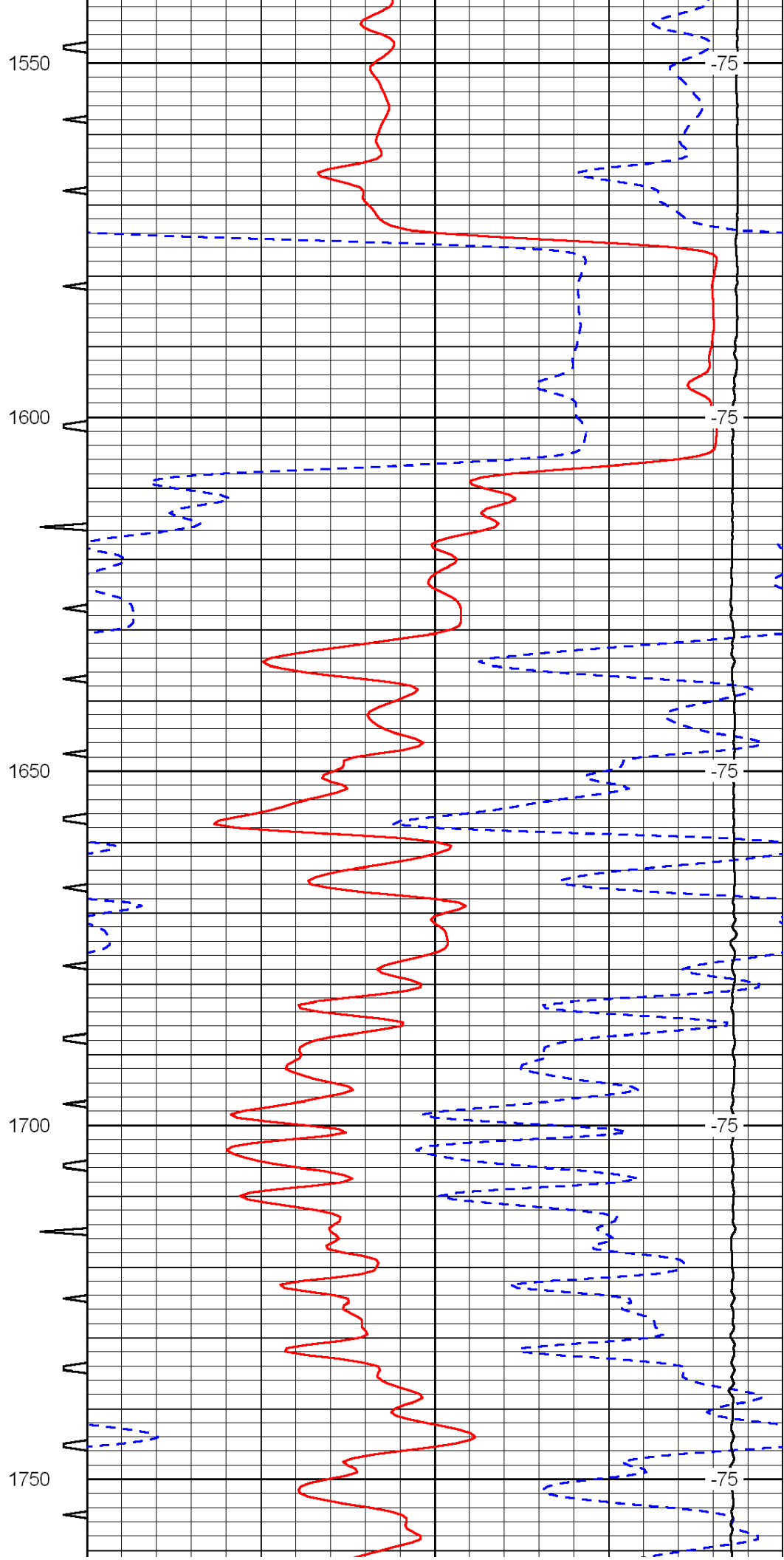
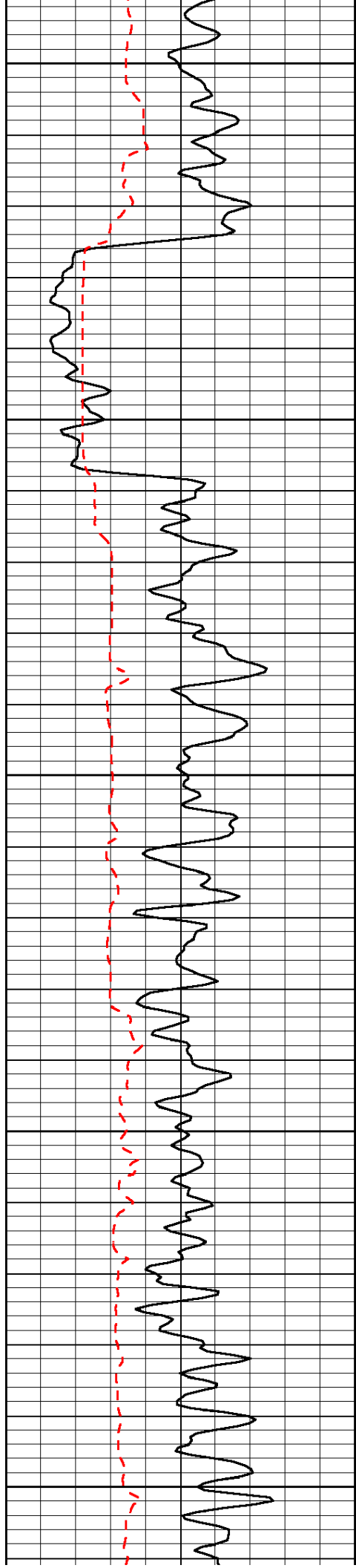


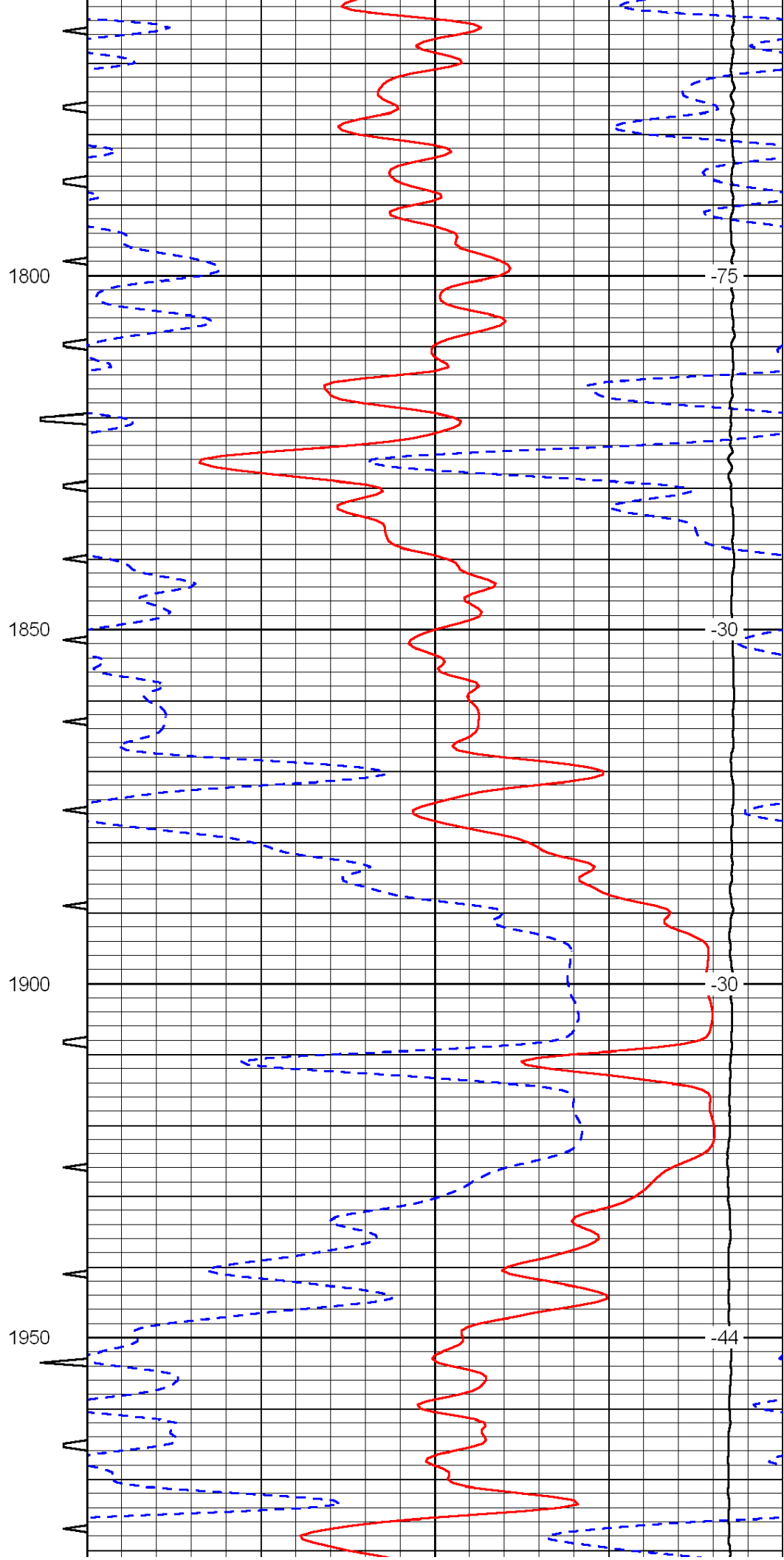
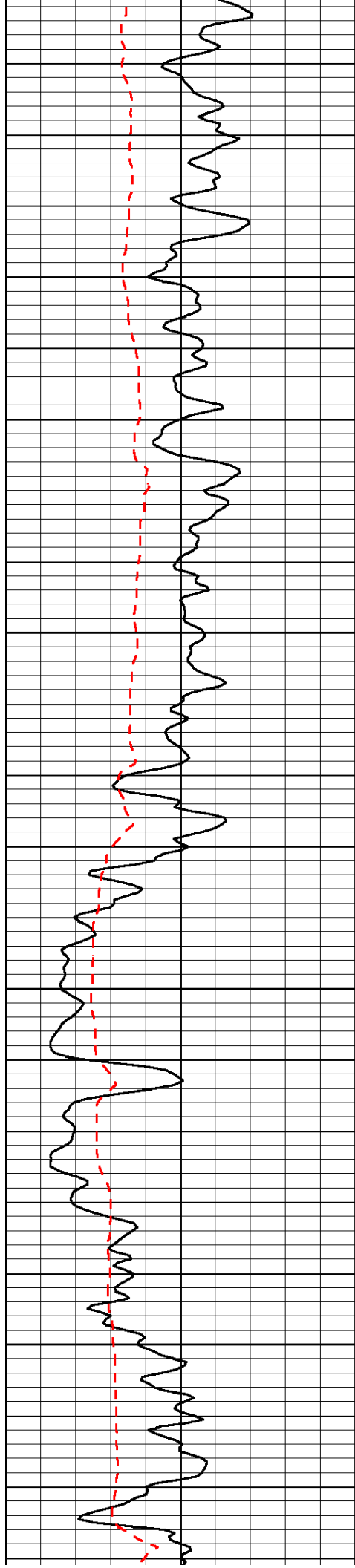


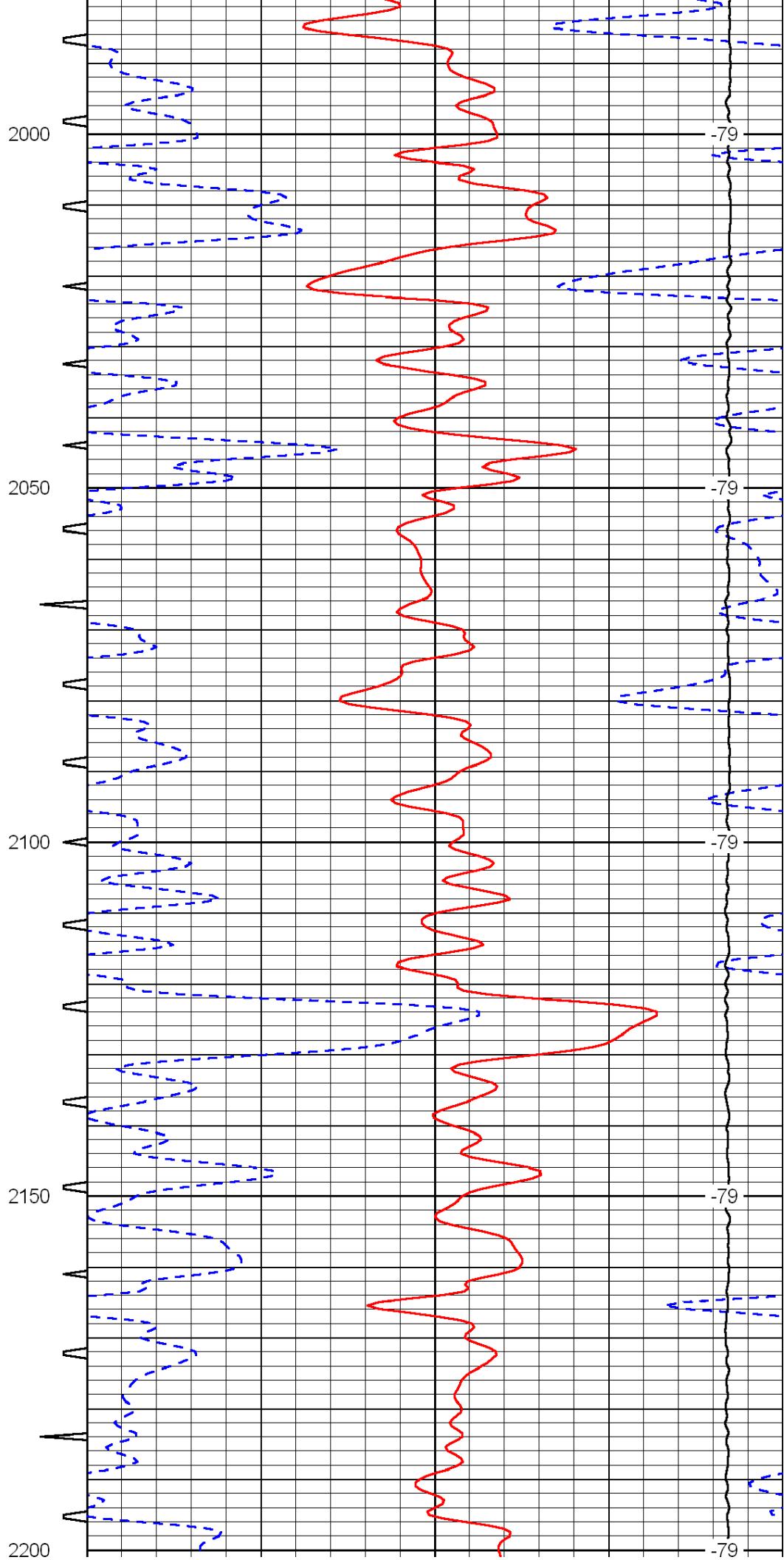
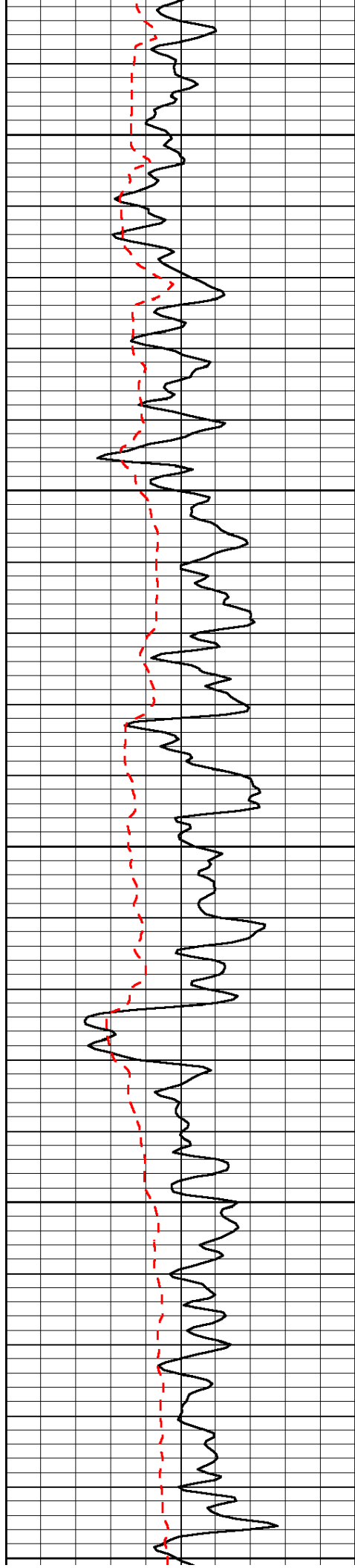


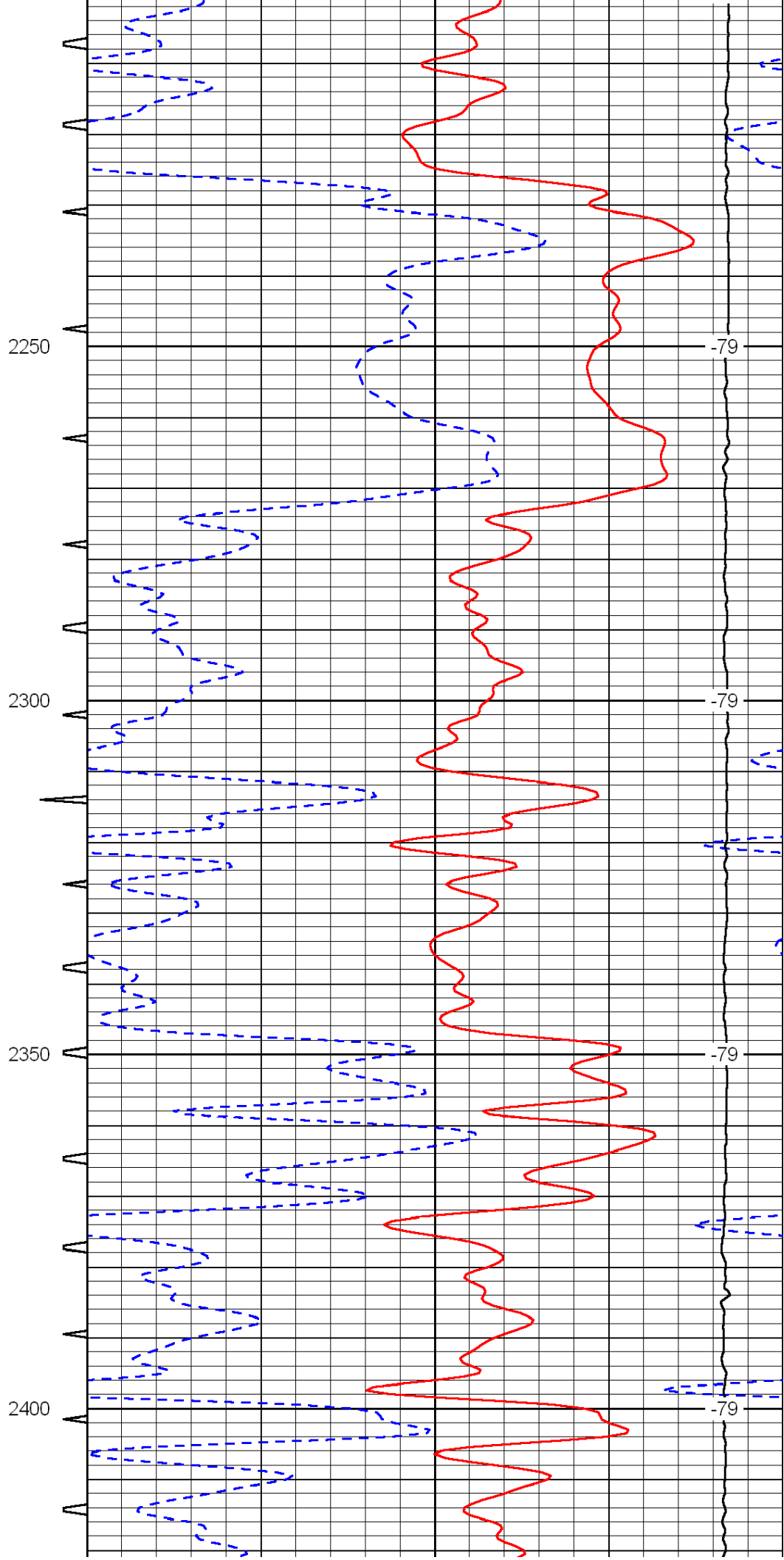
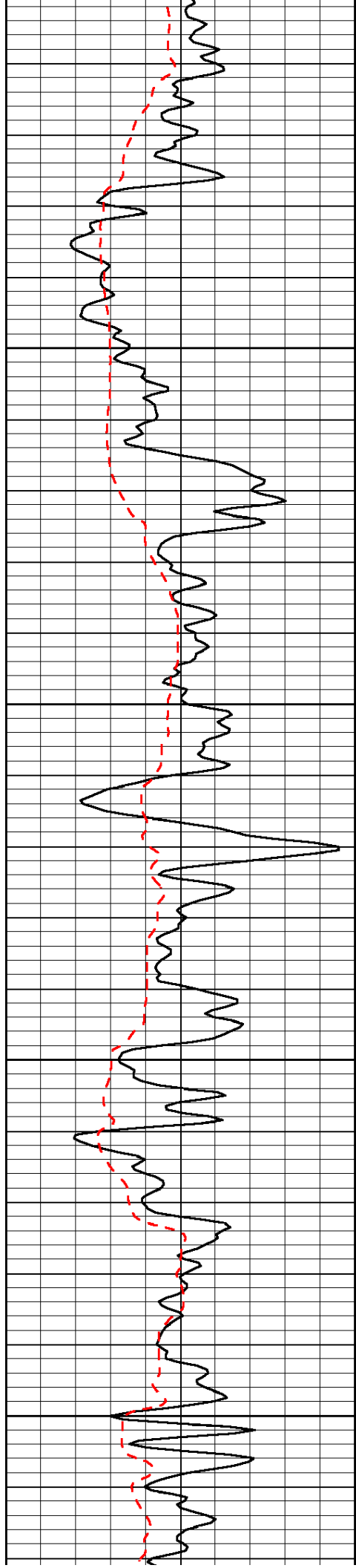


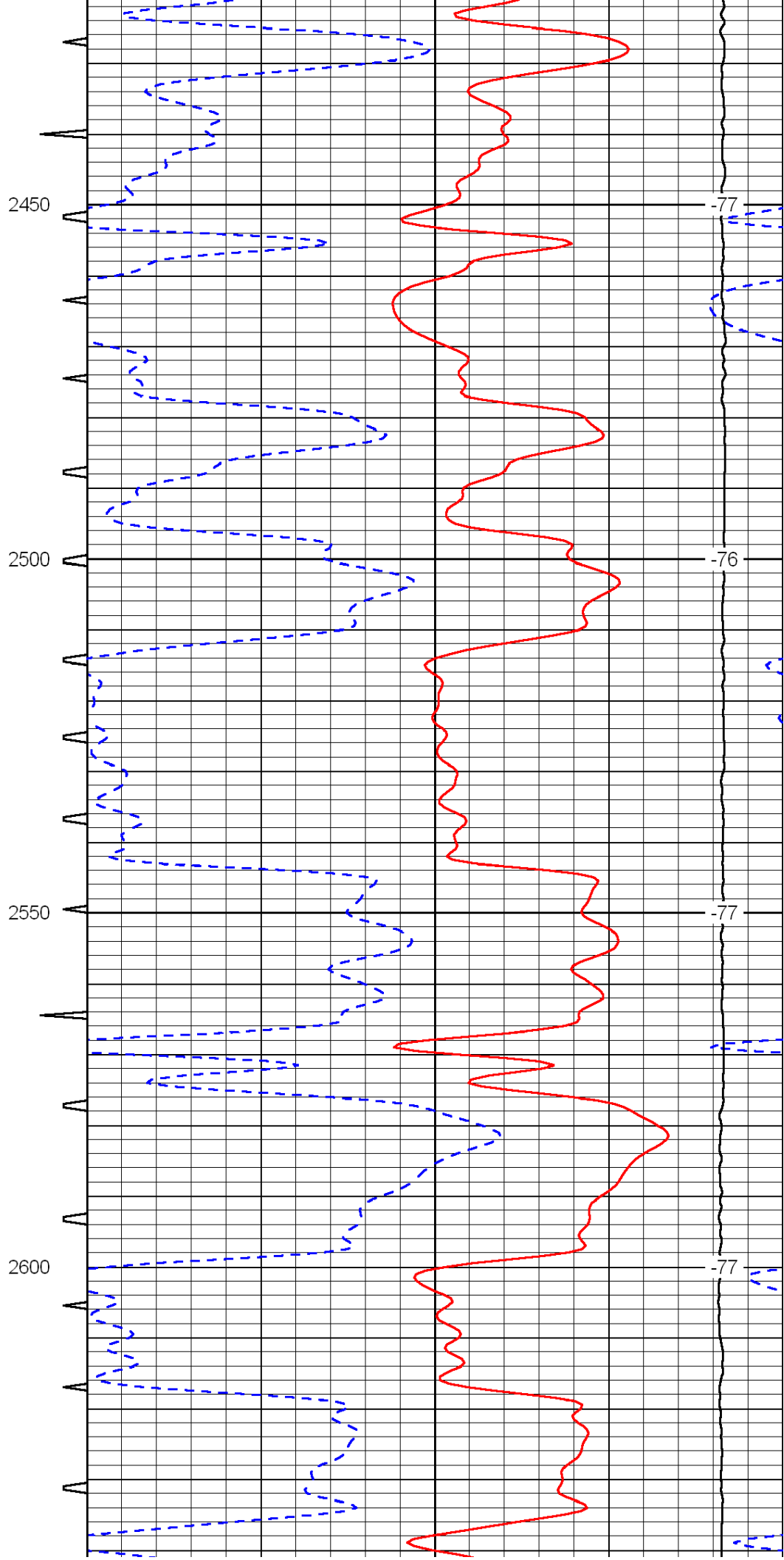
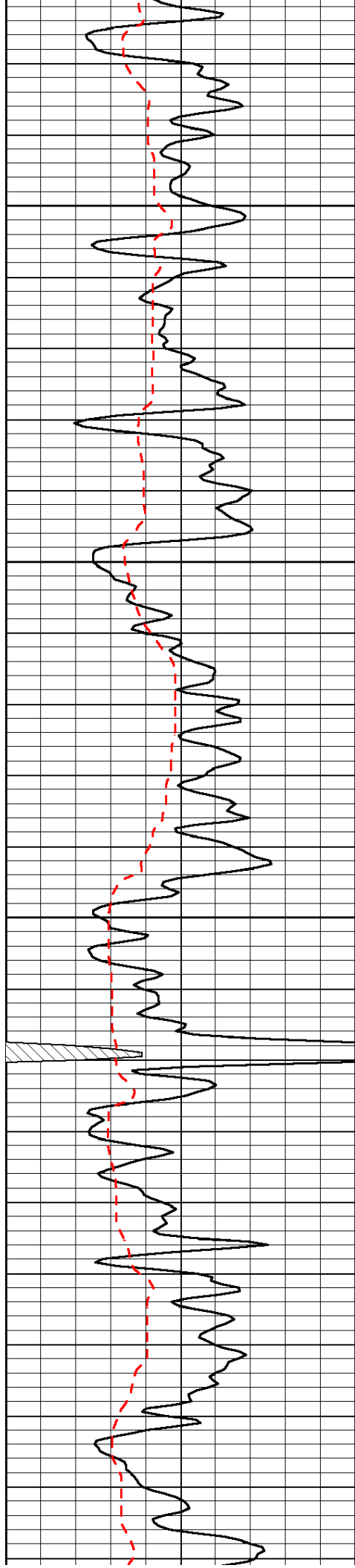


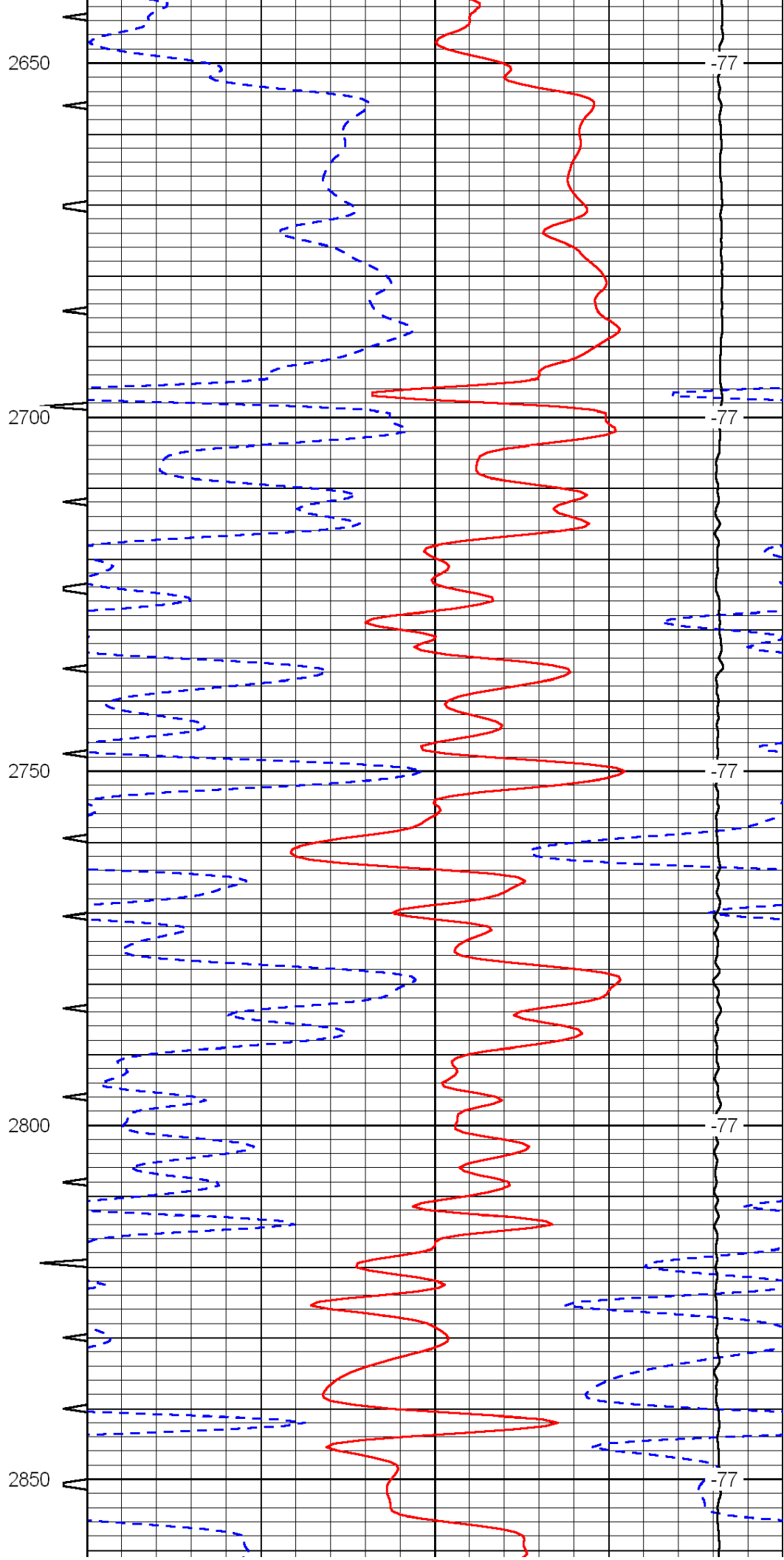
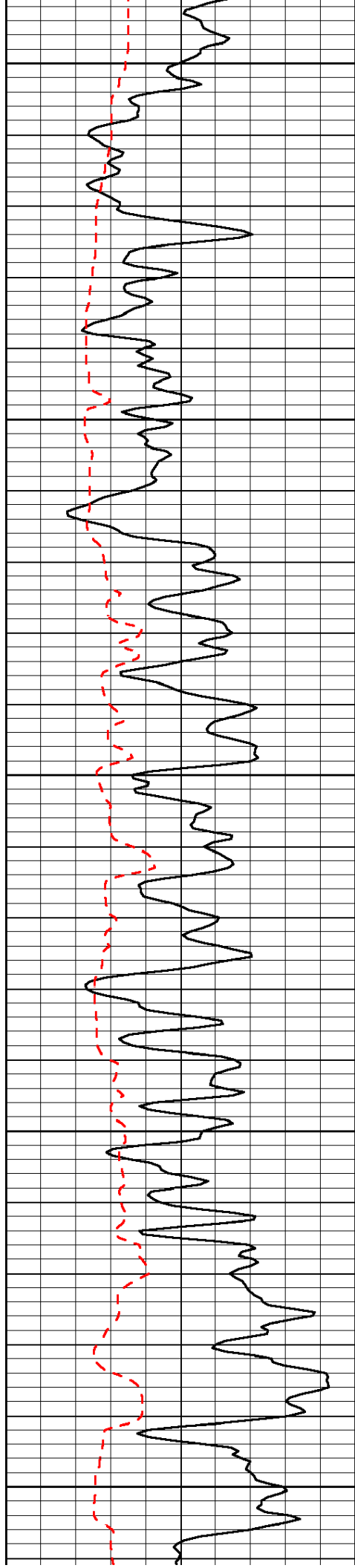


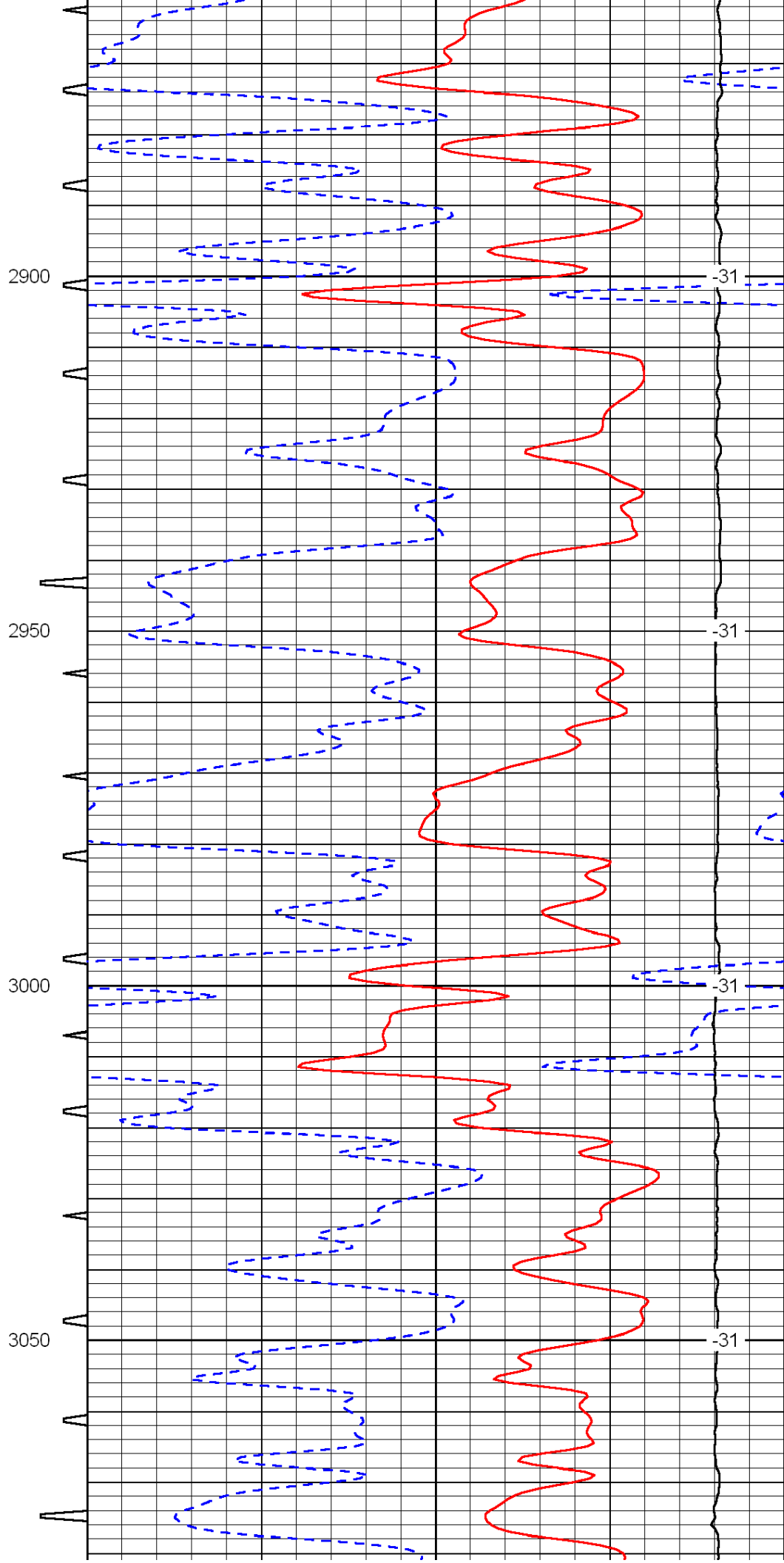
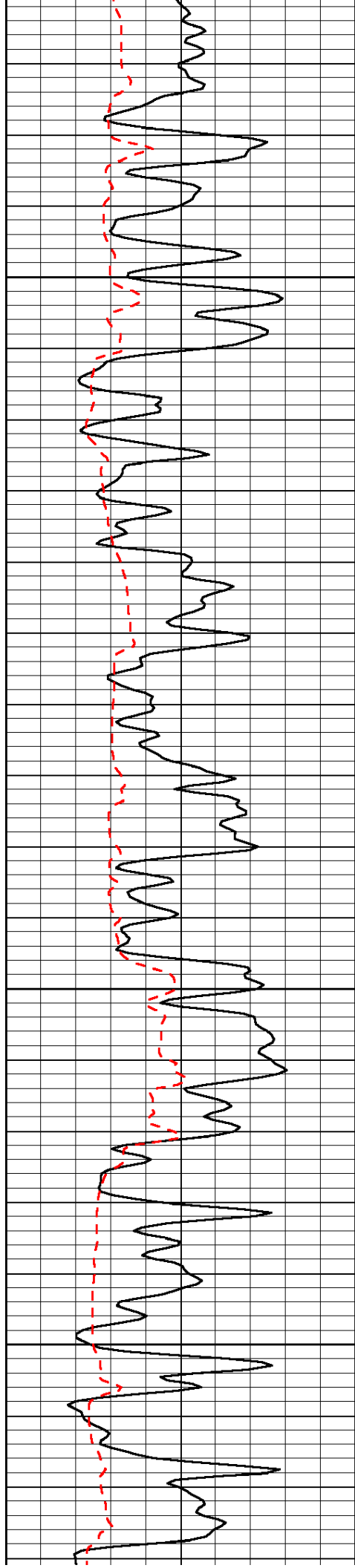


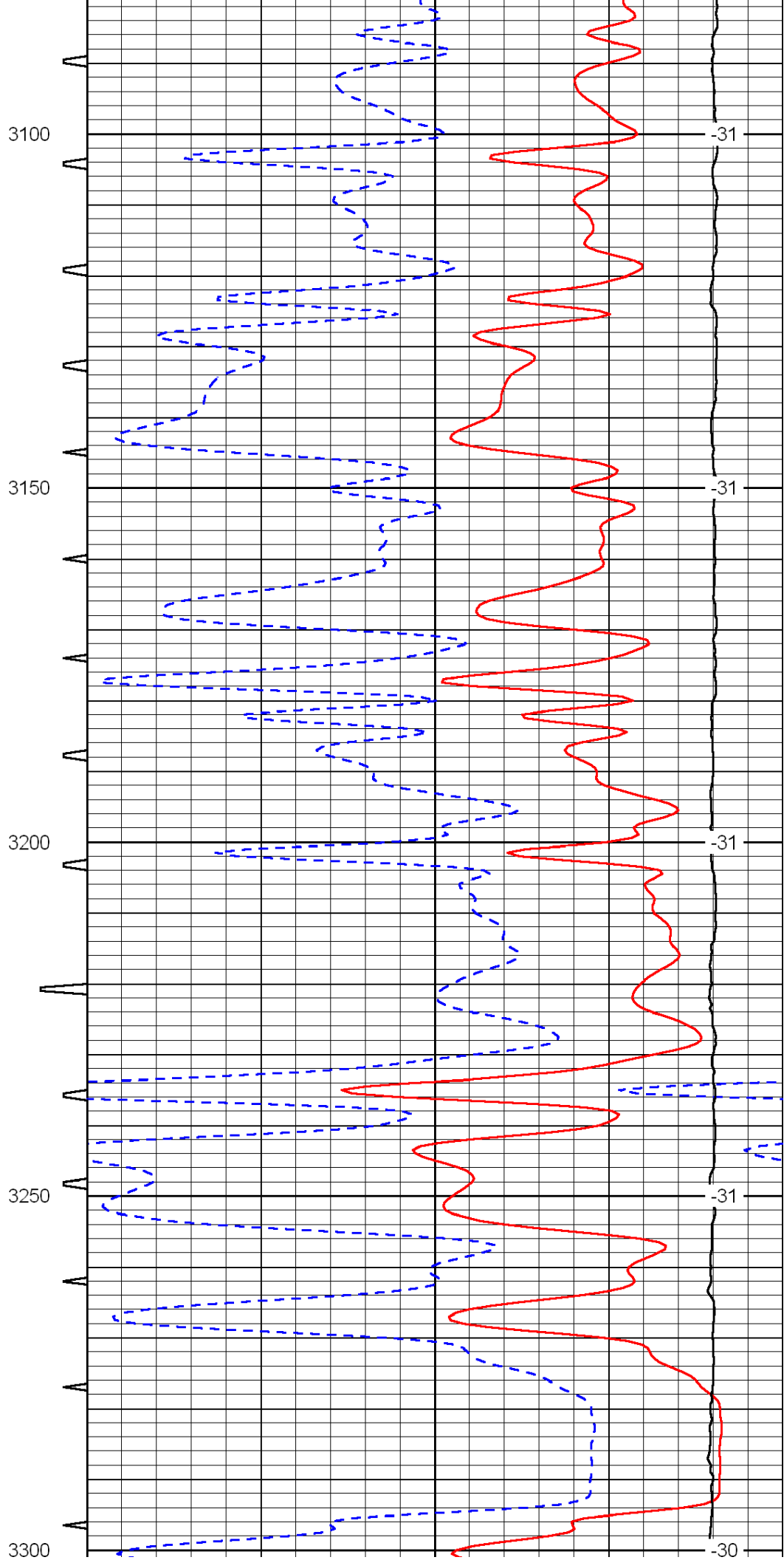
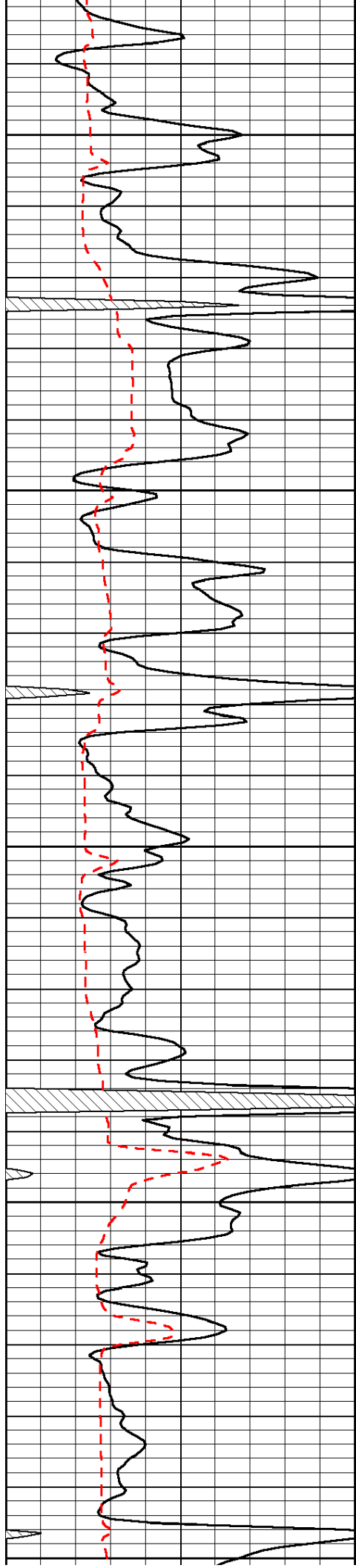


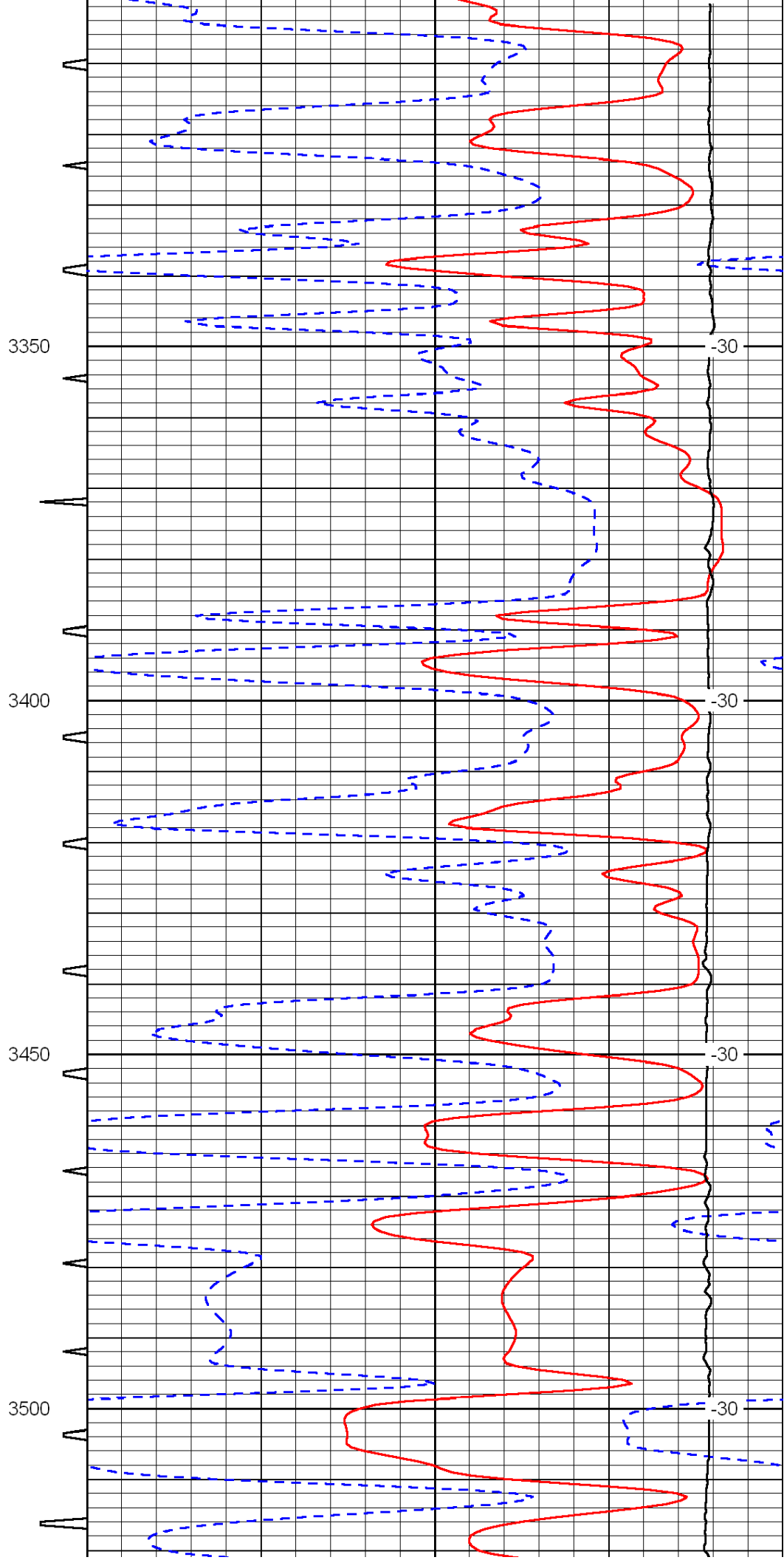
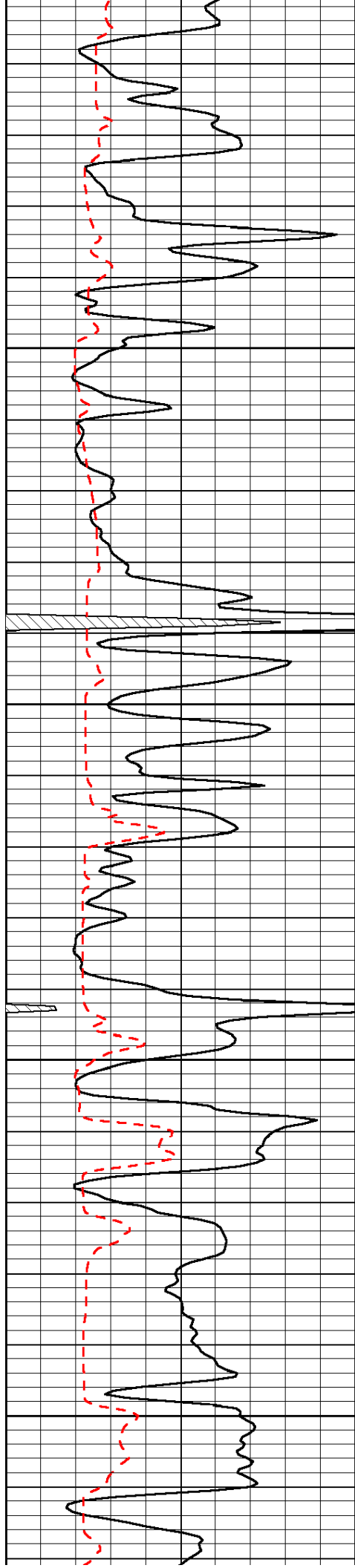


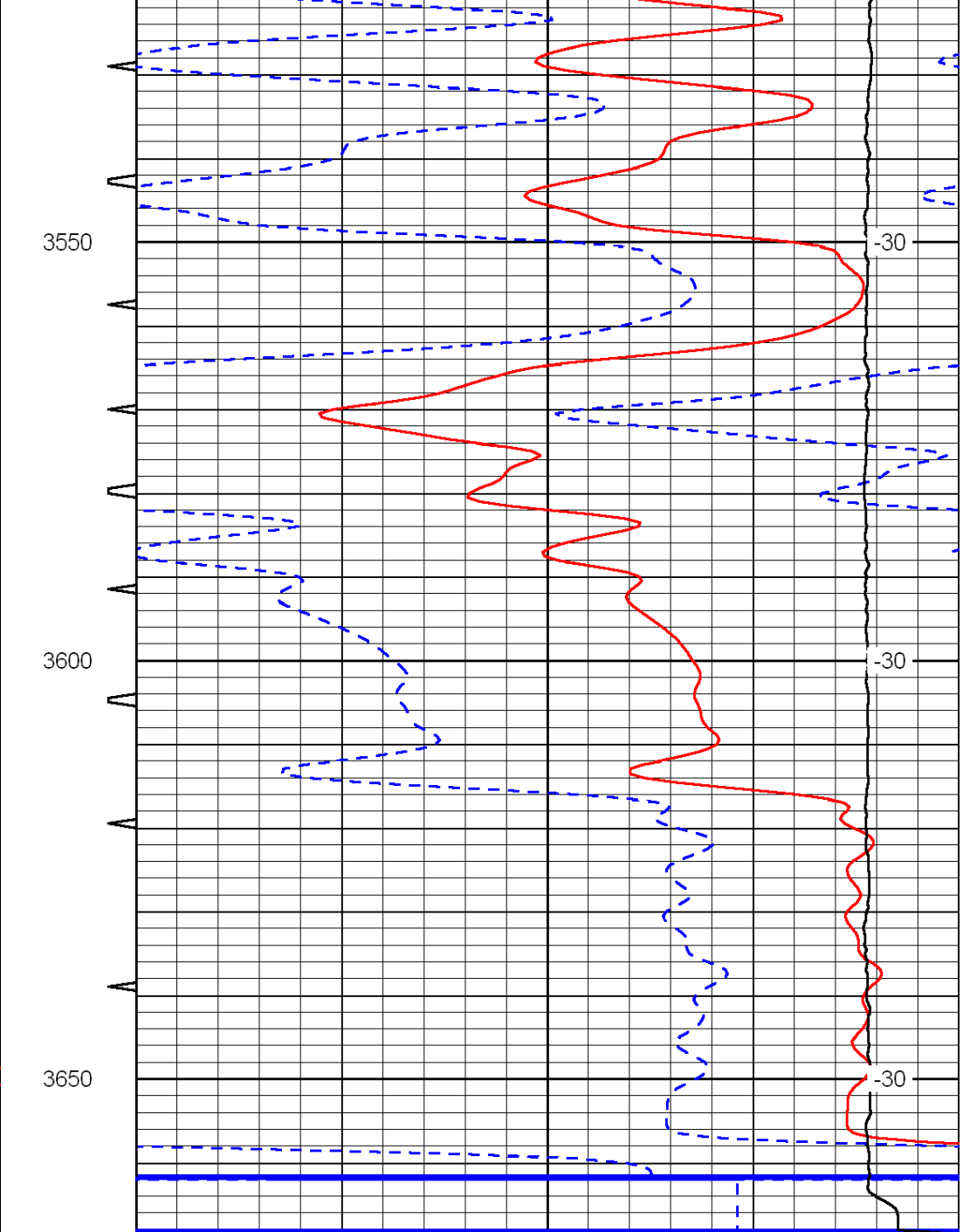
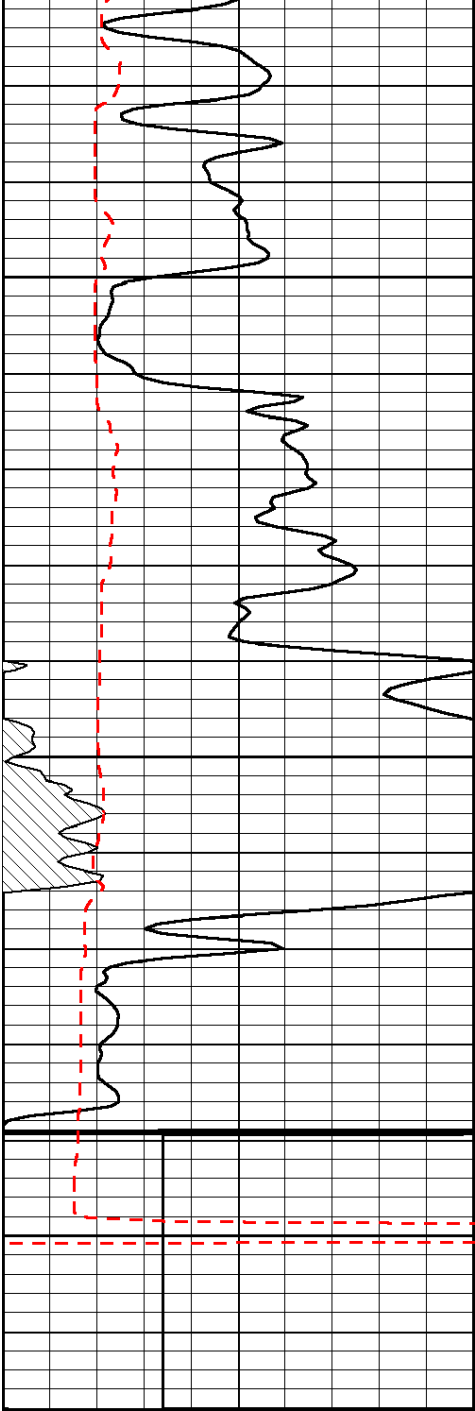












0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40
150	Gamma Ray	300	5	0	SPOR	-10
6	Caliper (GAPI)	16		15000	LTEN (lb)	0
						LSPD