



Pioneer Energy Services

Borehole Compensated Sonic Log

APL No.

15-167-23871-00-00

Company RJM Company

Well Feist #1

Field Ney

County **Russell** State **Kansas**

Location

SW SW SE

330' FSL / 2310' FEL

Sec: 31	Twp: 15S	Rge: 12W
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um	Ground Level	Elevation 1880
From	Kelly Bishing	Et Above Perm Datum

ed From Kelly Bushing	D.L. 1880
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4/14/2013	TWO
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	BHC Sonic

3425	
3425	

Interval	3414
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Interval	400
Hole	Chemical

MCL	8000
	63

Full	
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np. F	110
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Location	15	Ha
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R. Barnhart	
Krist Talbot	

	Borehole Record
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From	To
00	432

432	TD
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[illegible]

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.

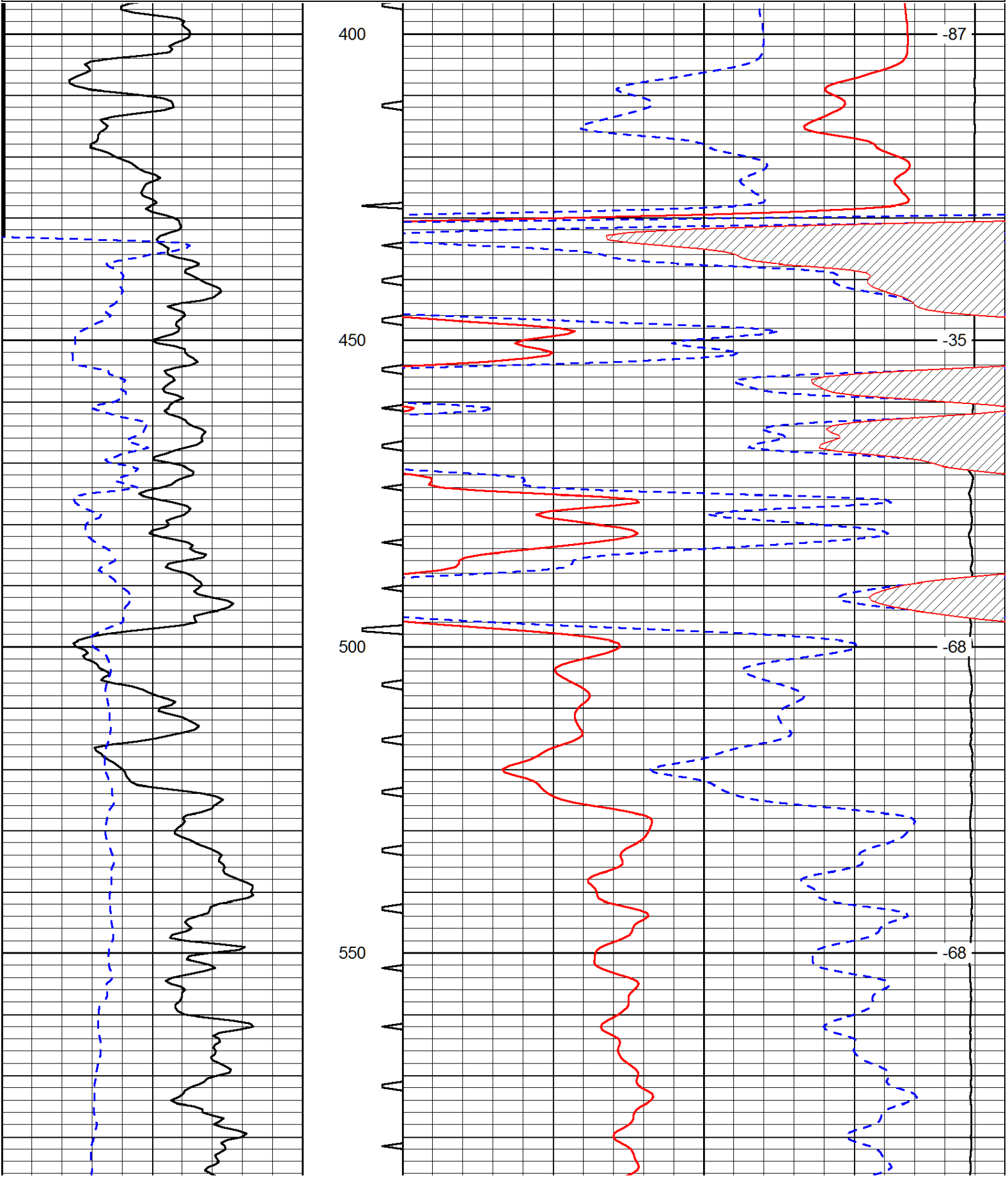
Comments

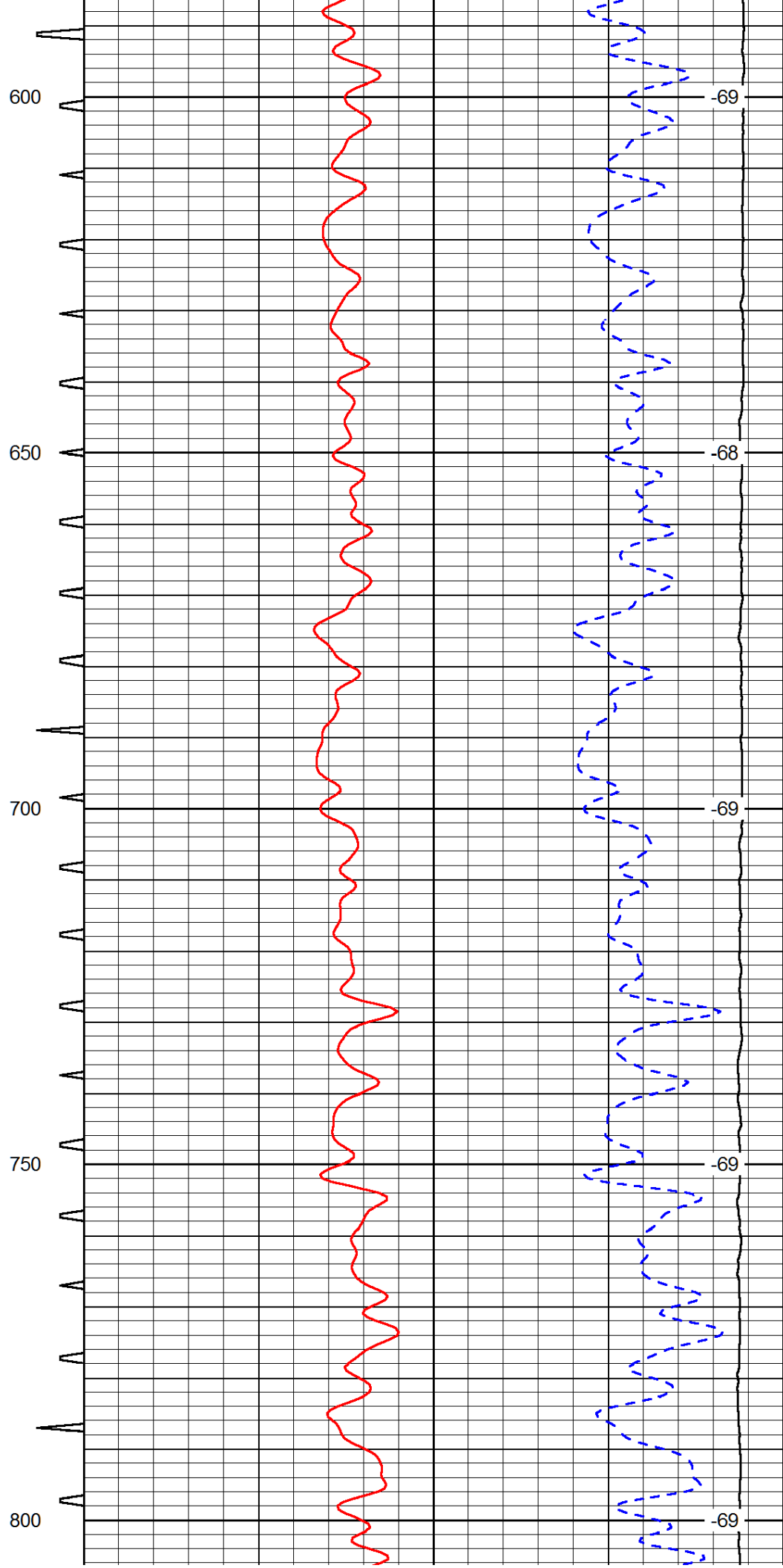
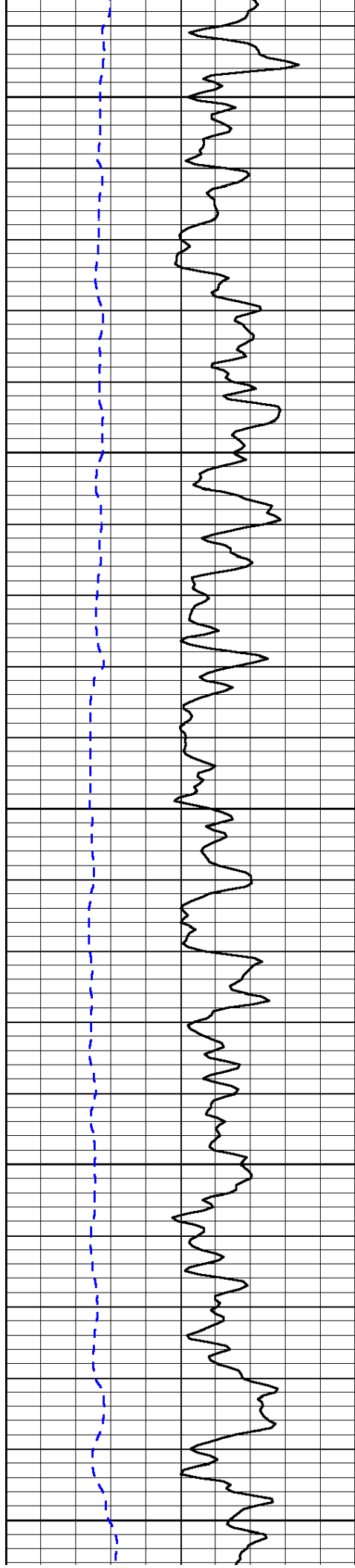
Thank you for using Log-Tech, Inc.
(785) 625-3858

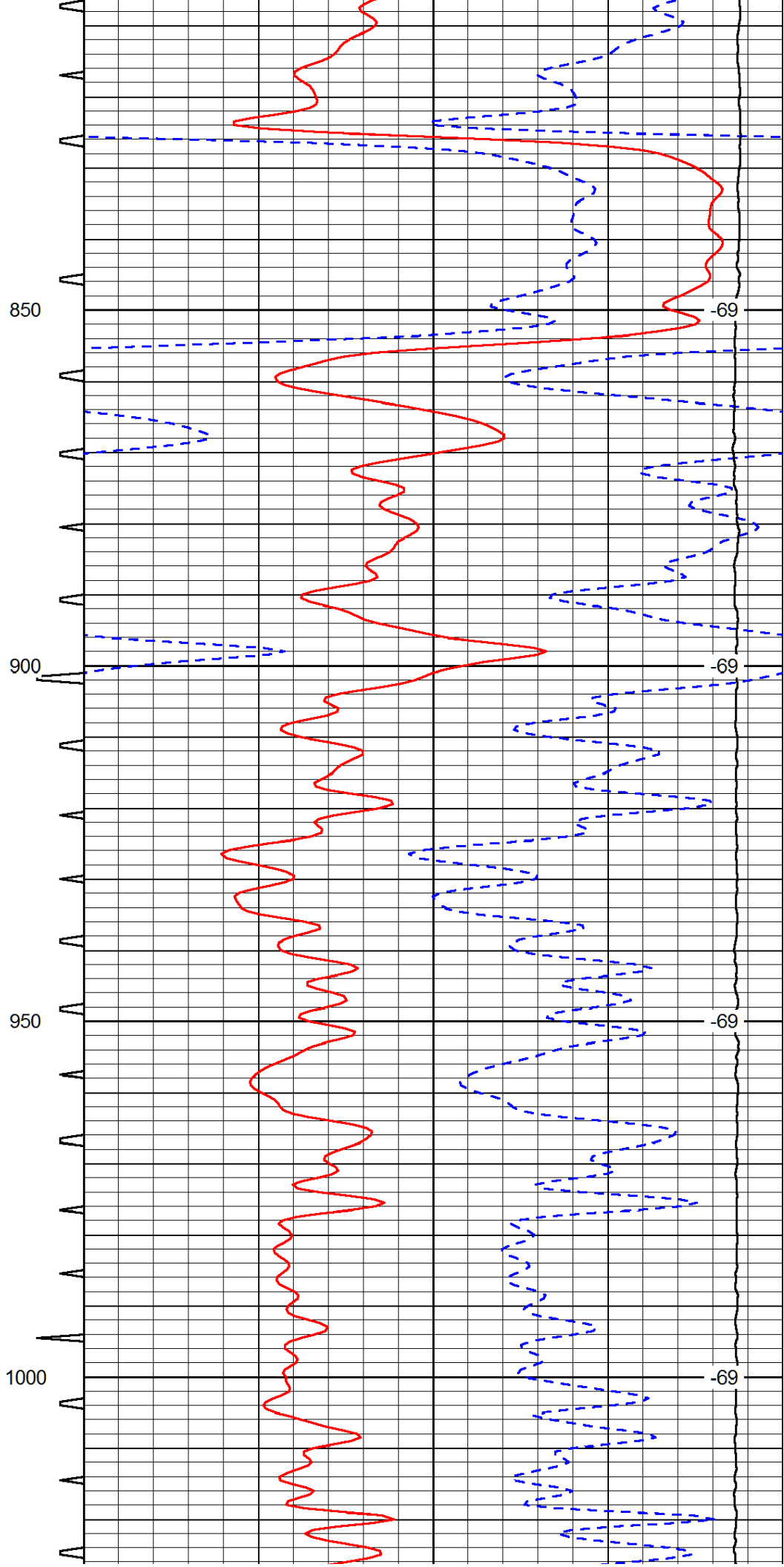
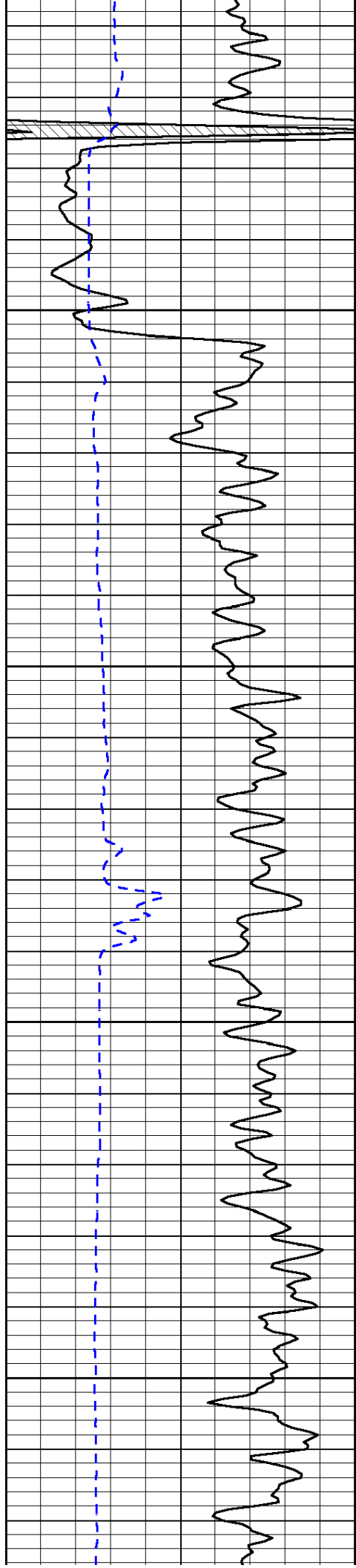
Russell, KS:
S to Co. Line, 8E, N into

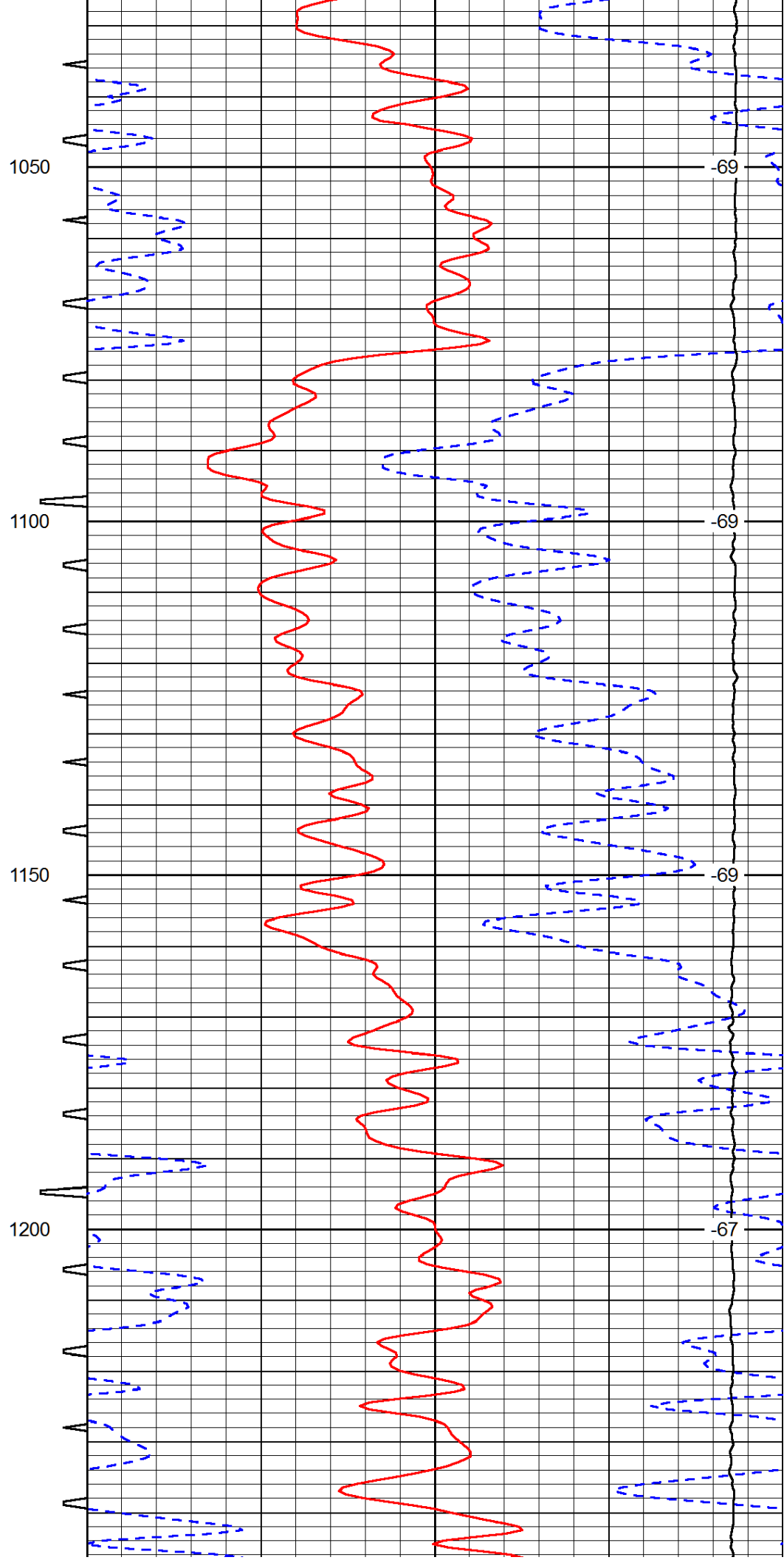
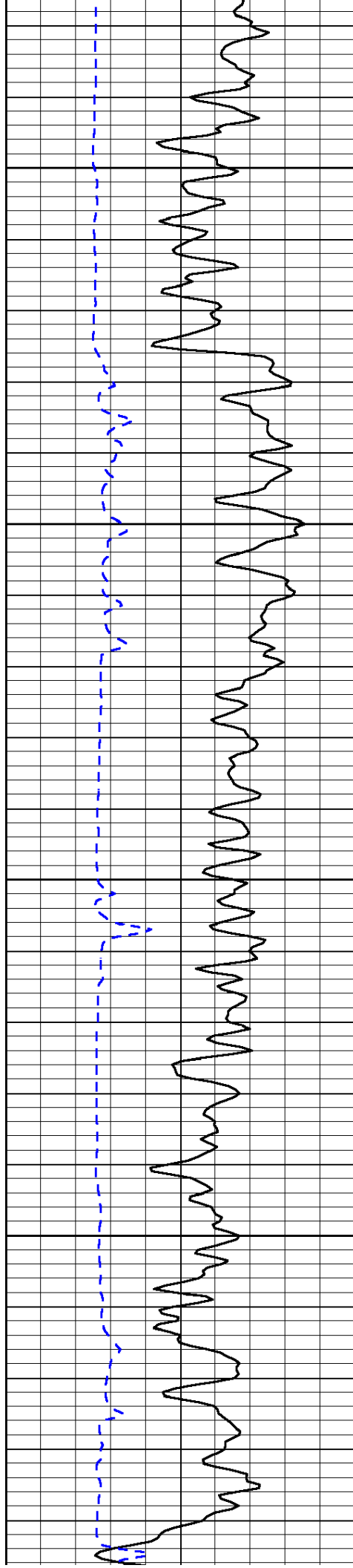
Database File: rjm_hd.db
Dataset Pathname: dil/rjmmain
Presentation Format: sonic
Dataset Creation: Sun Apr 14 02:08:14 2013
Charted by: Depth in Feet scaled 1:240

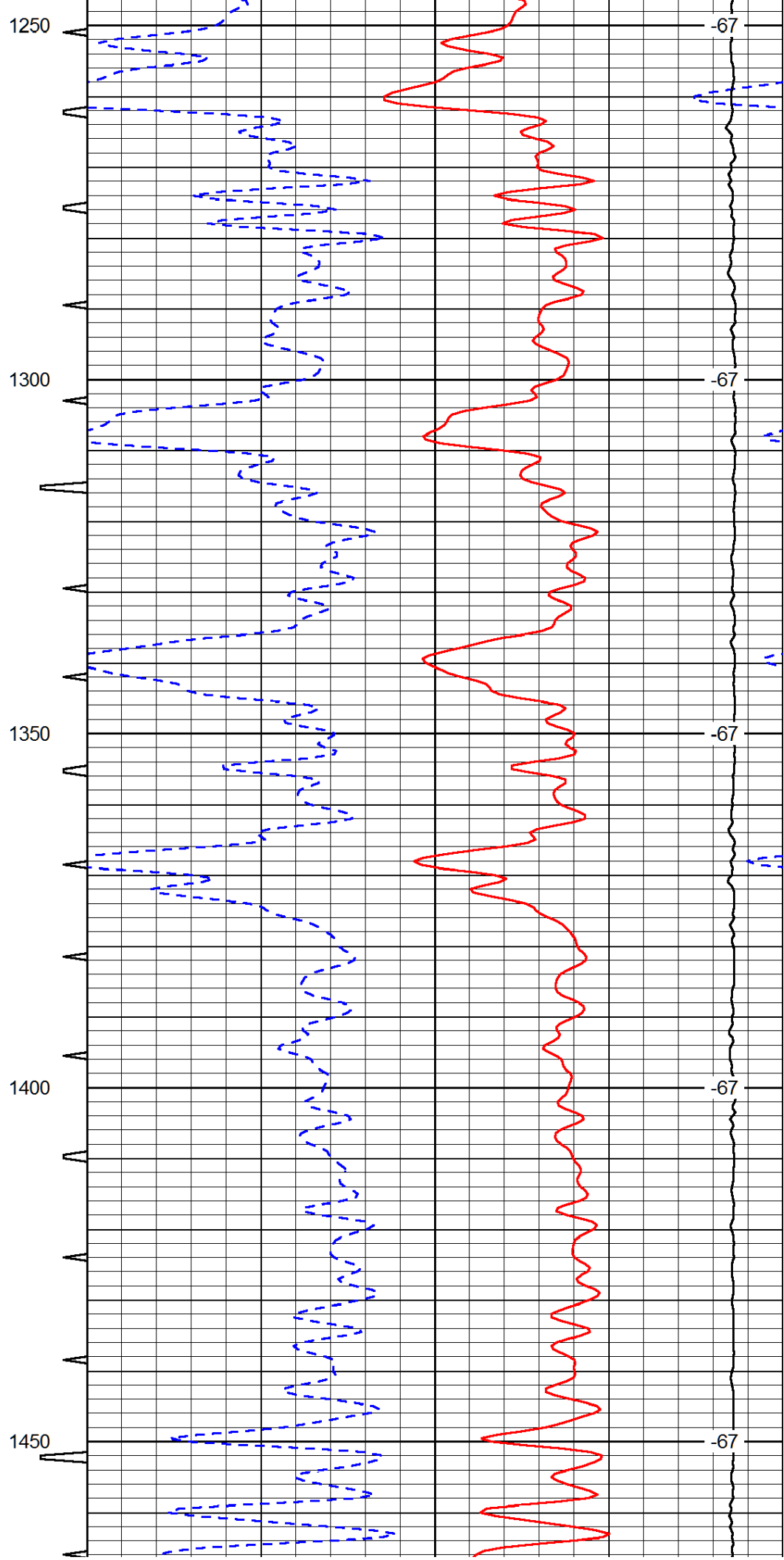
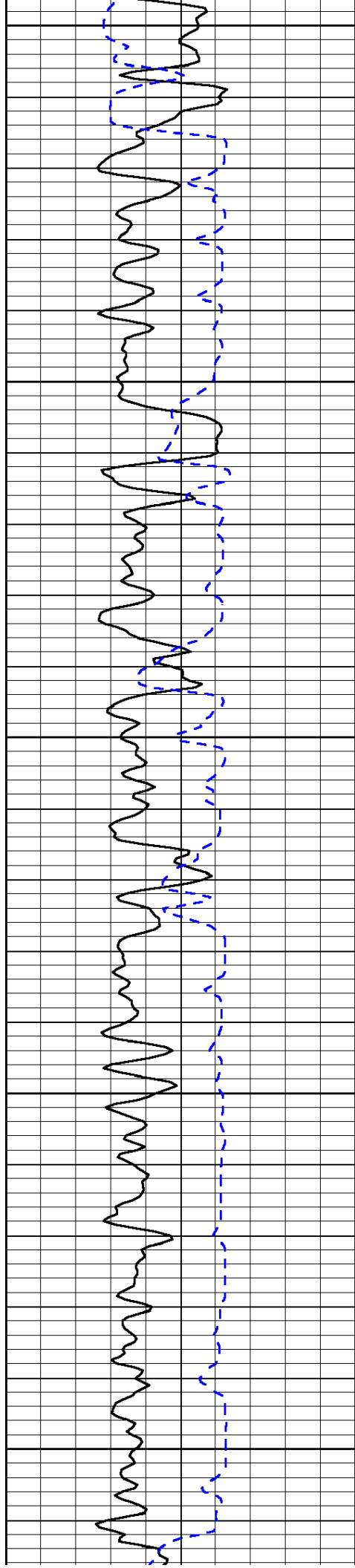
0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	Gamma Ray (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu)	-10
6	dCAL (in)	16		15000	LTEN (lb) (lb)	0
						LSPD (ft/min)

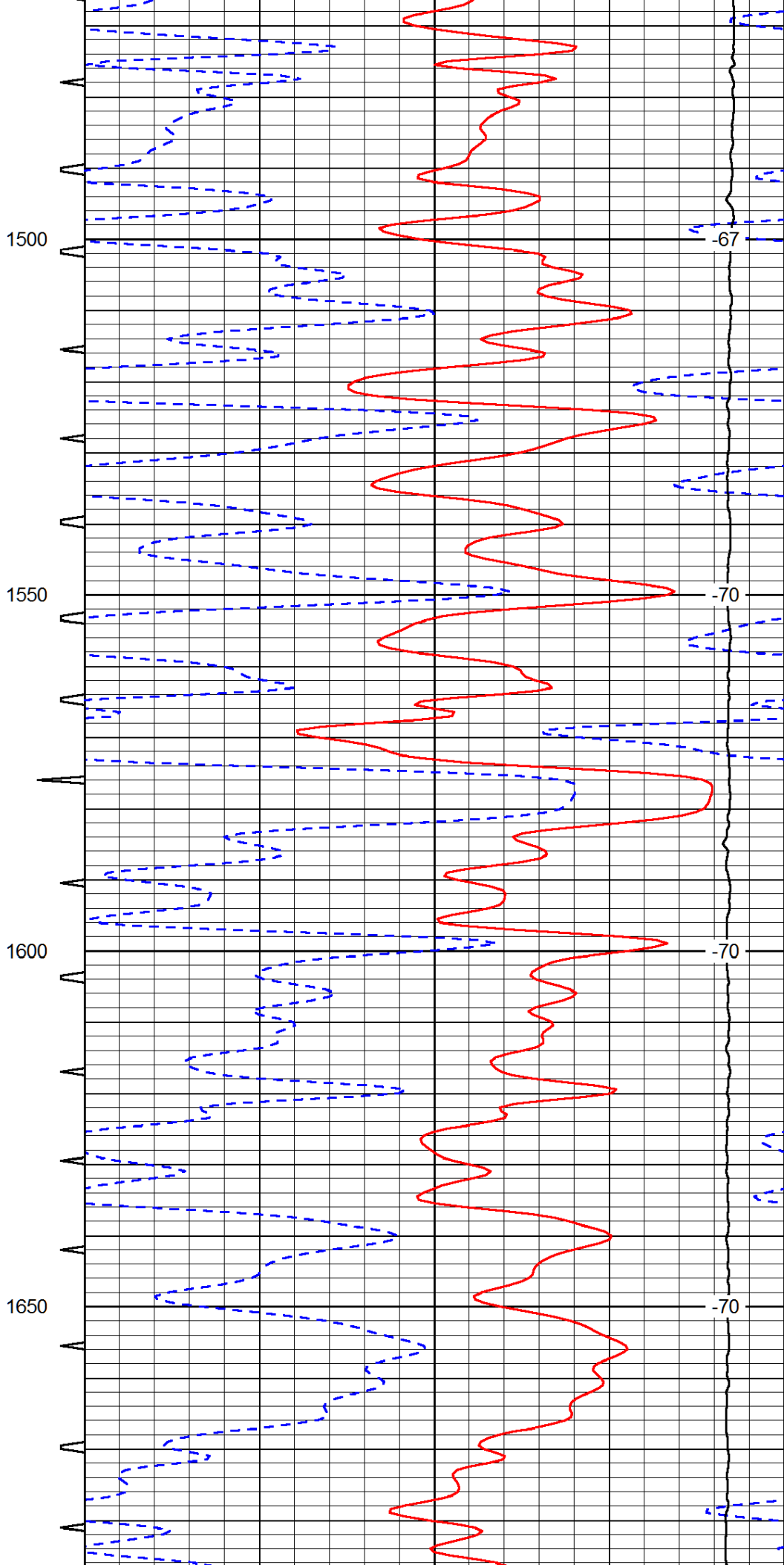
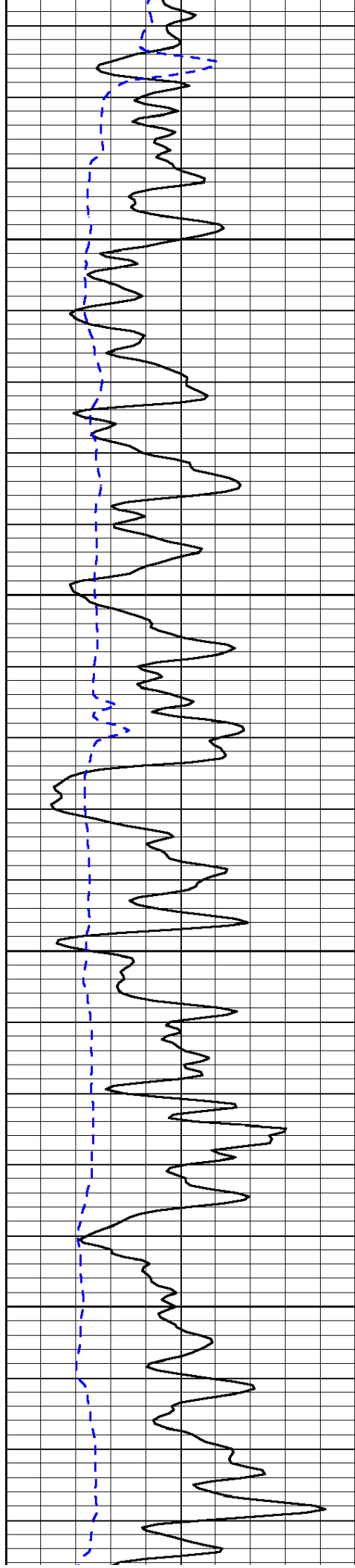


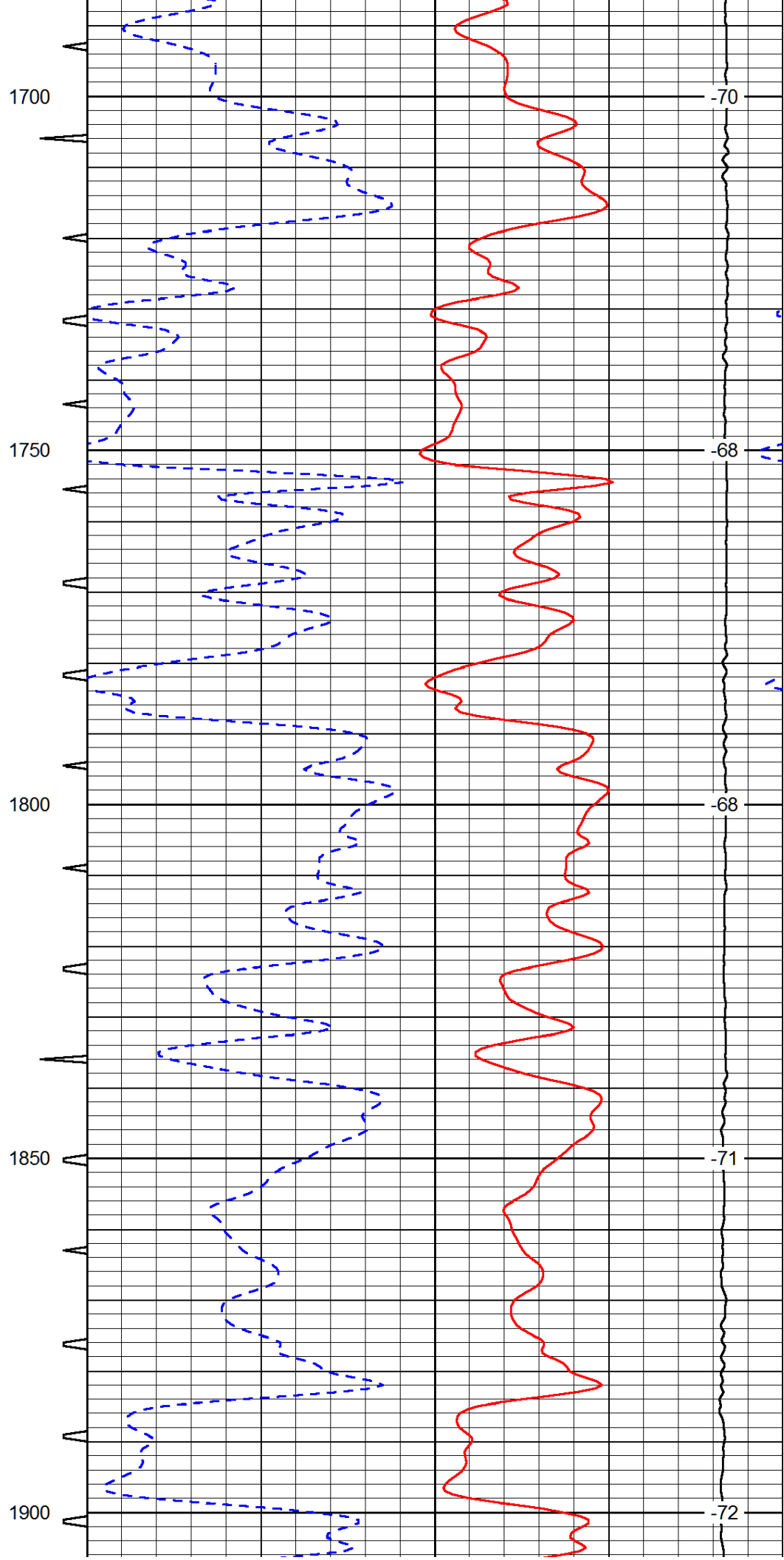
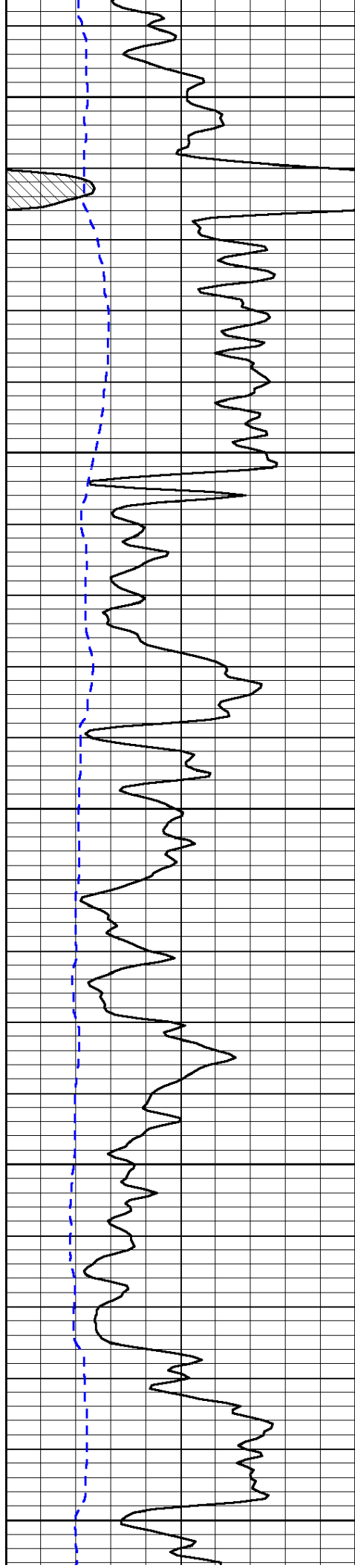


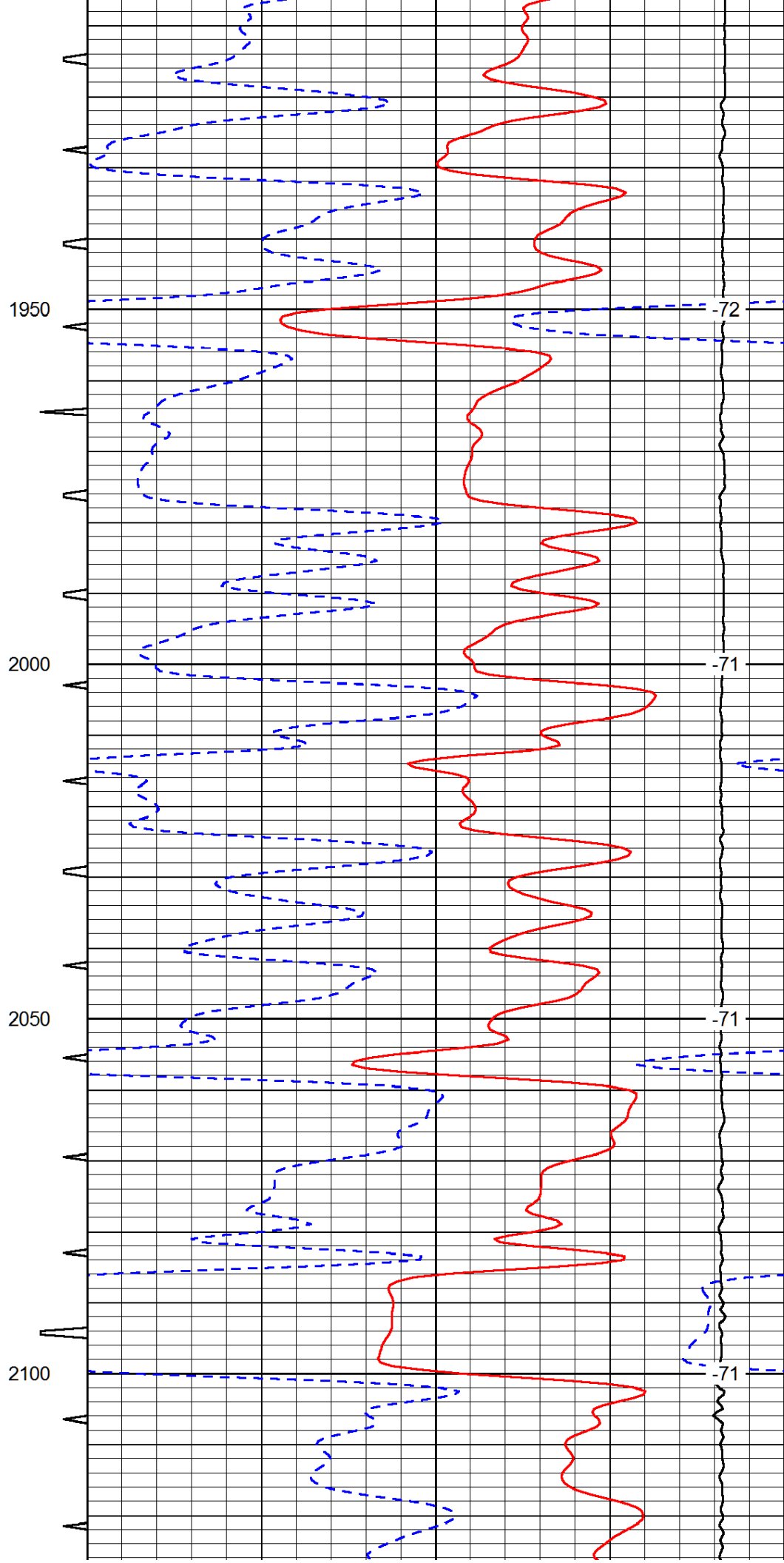
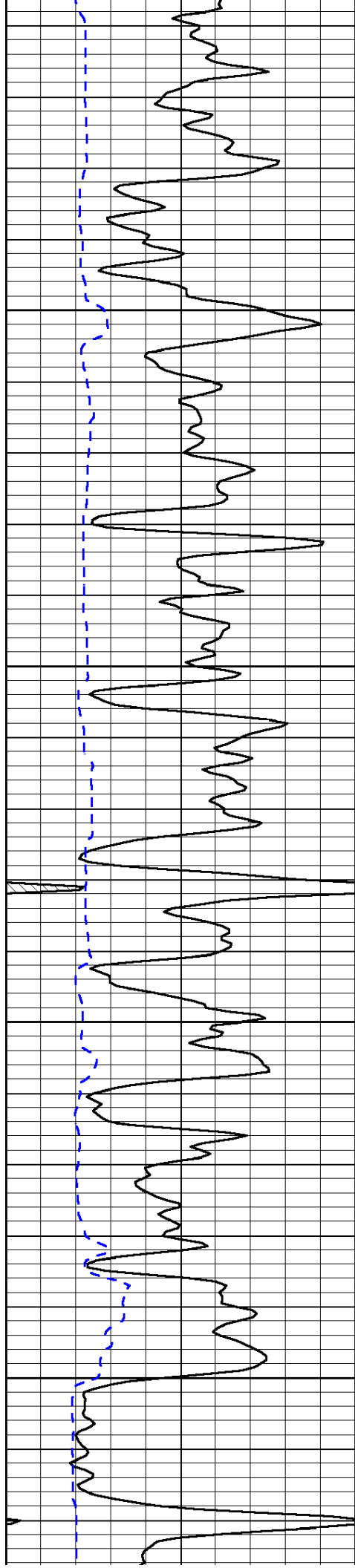


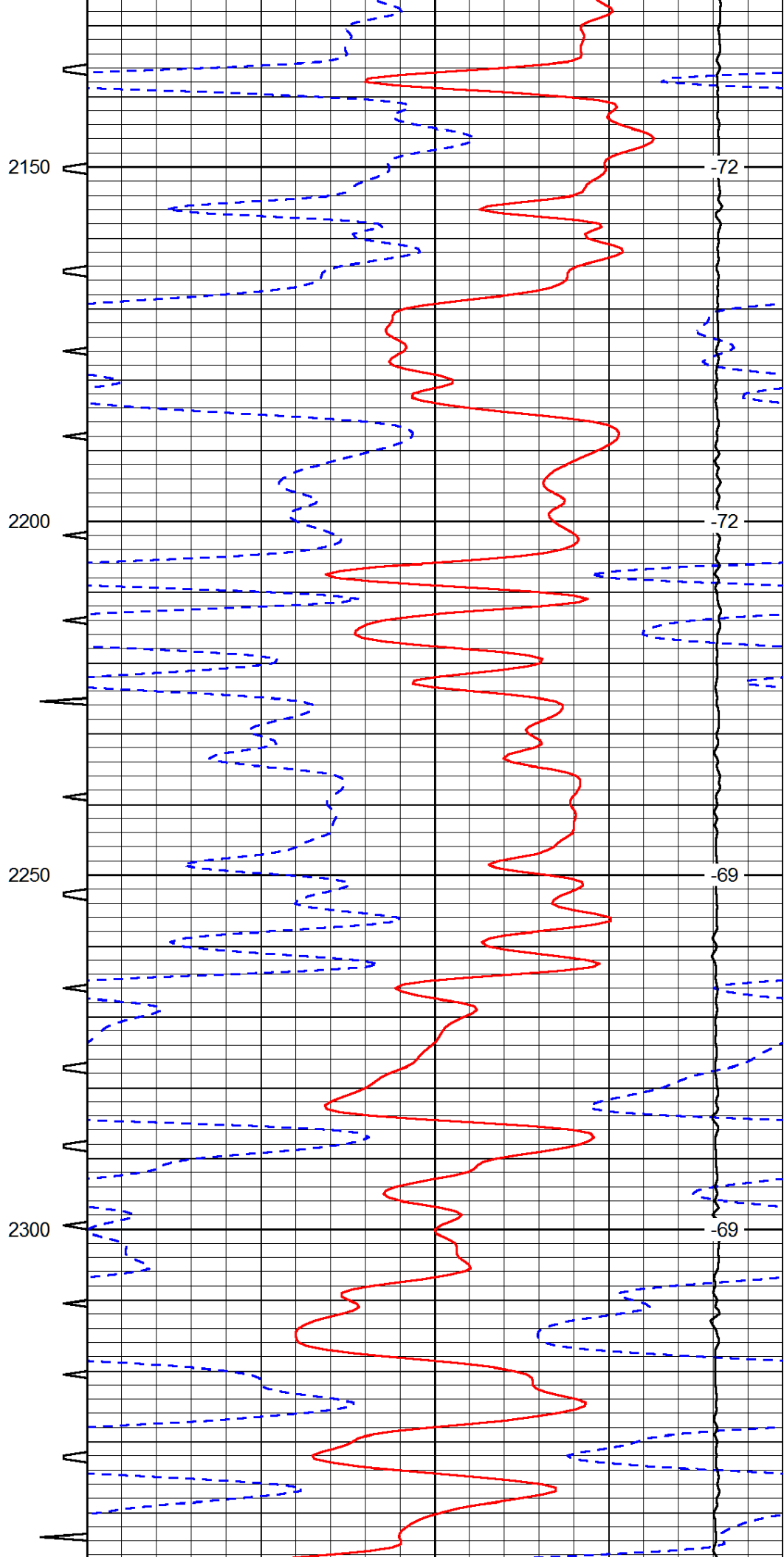
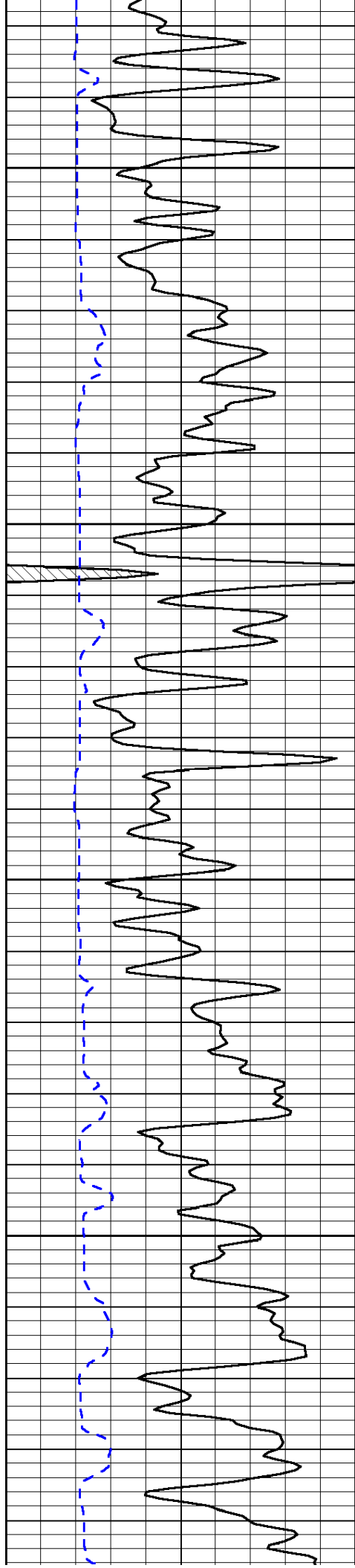


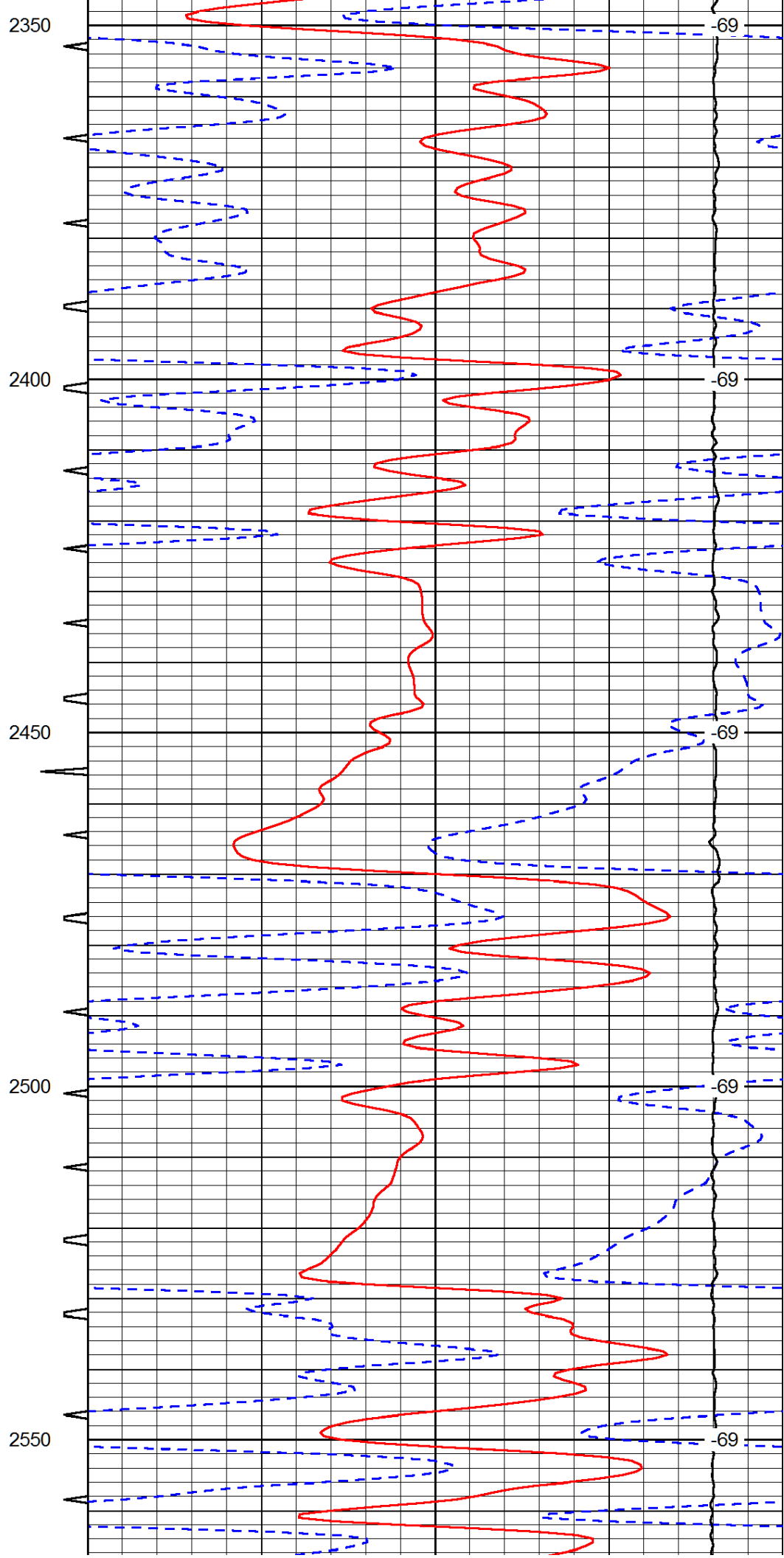
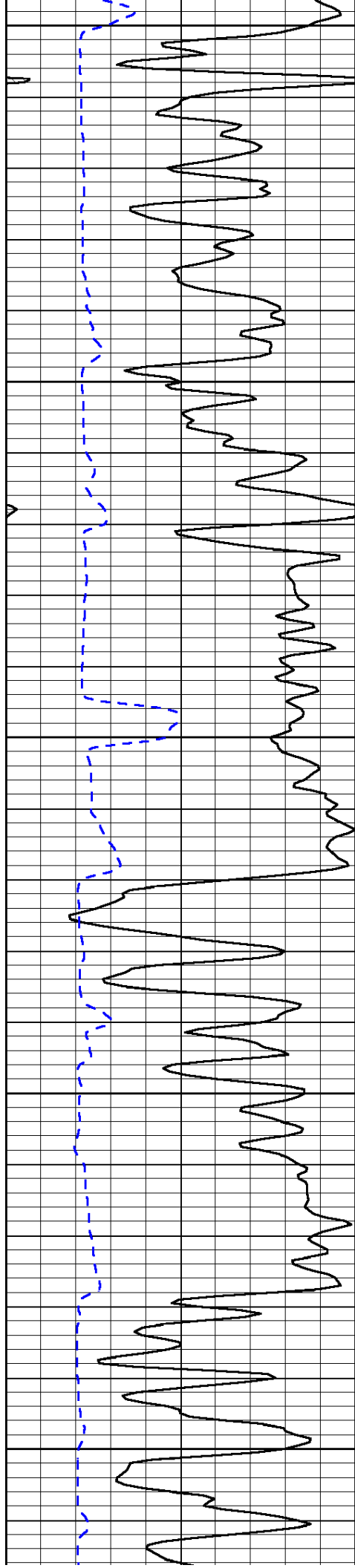


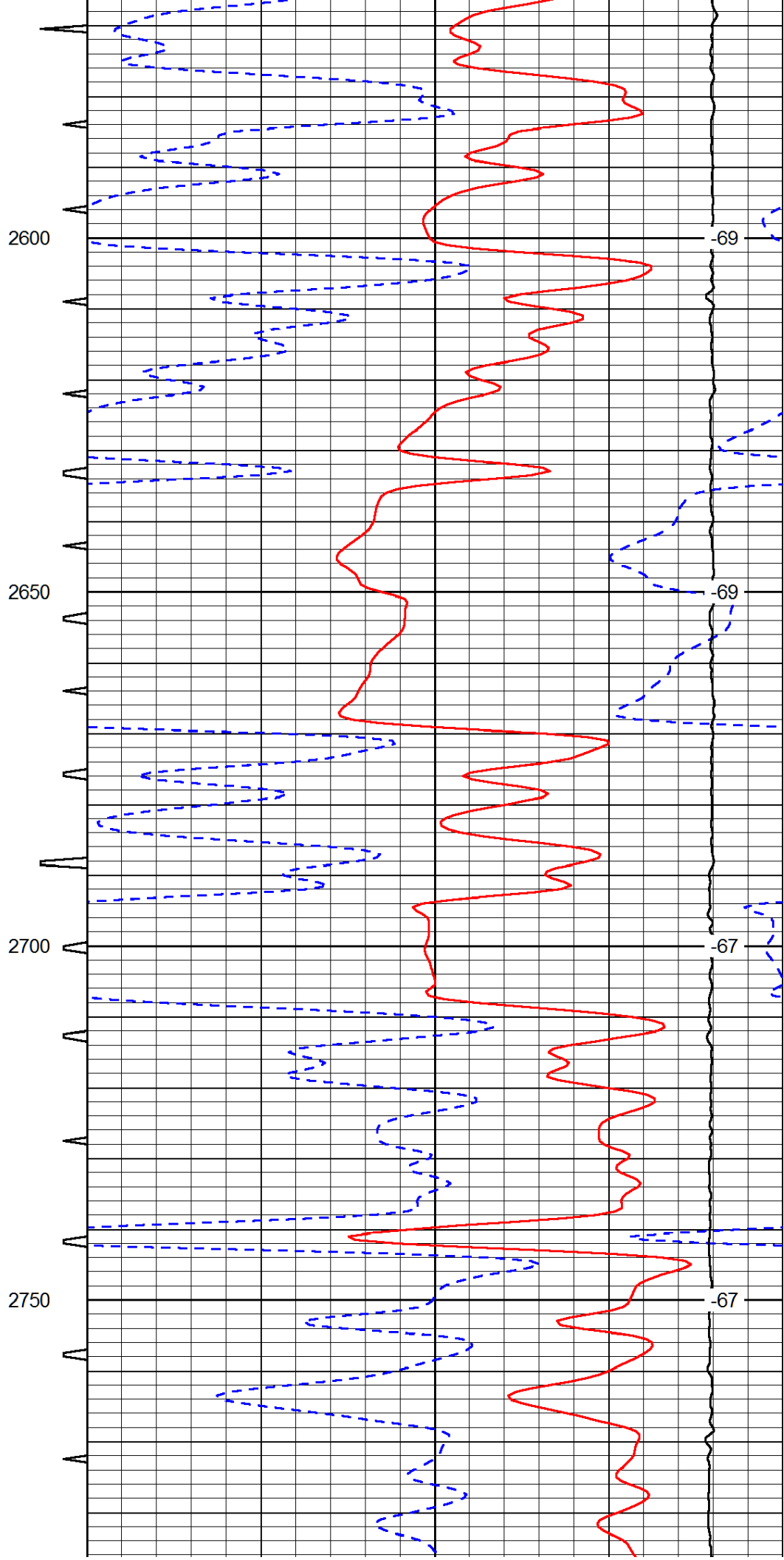
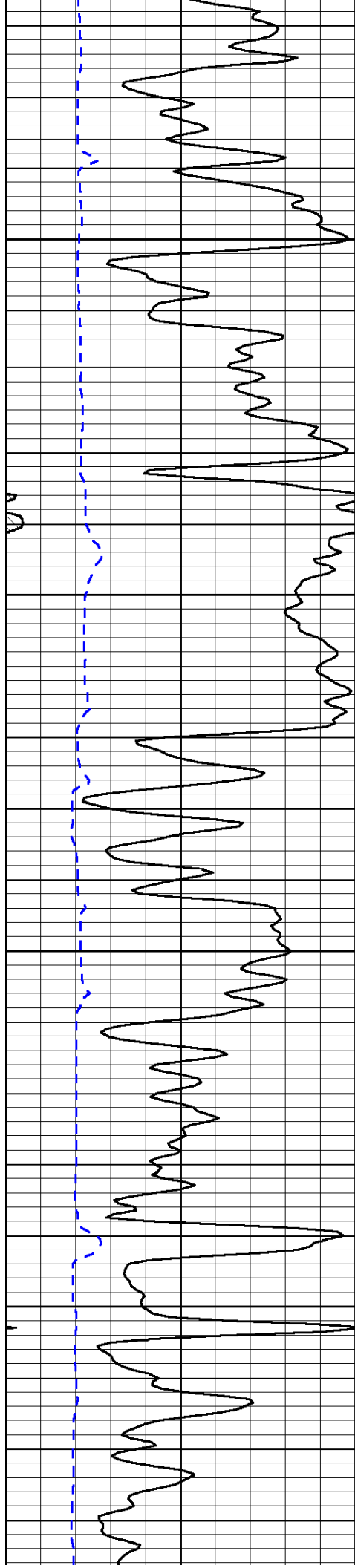


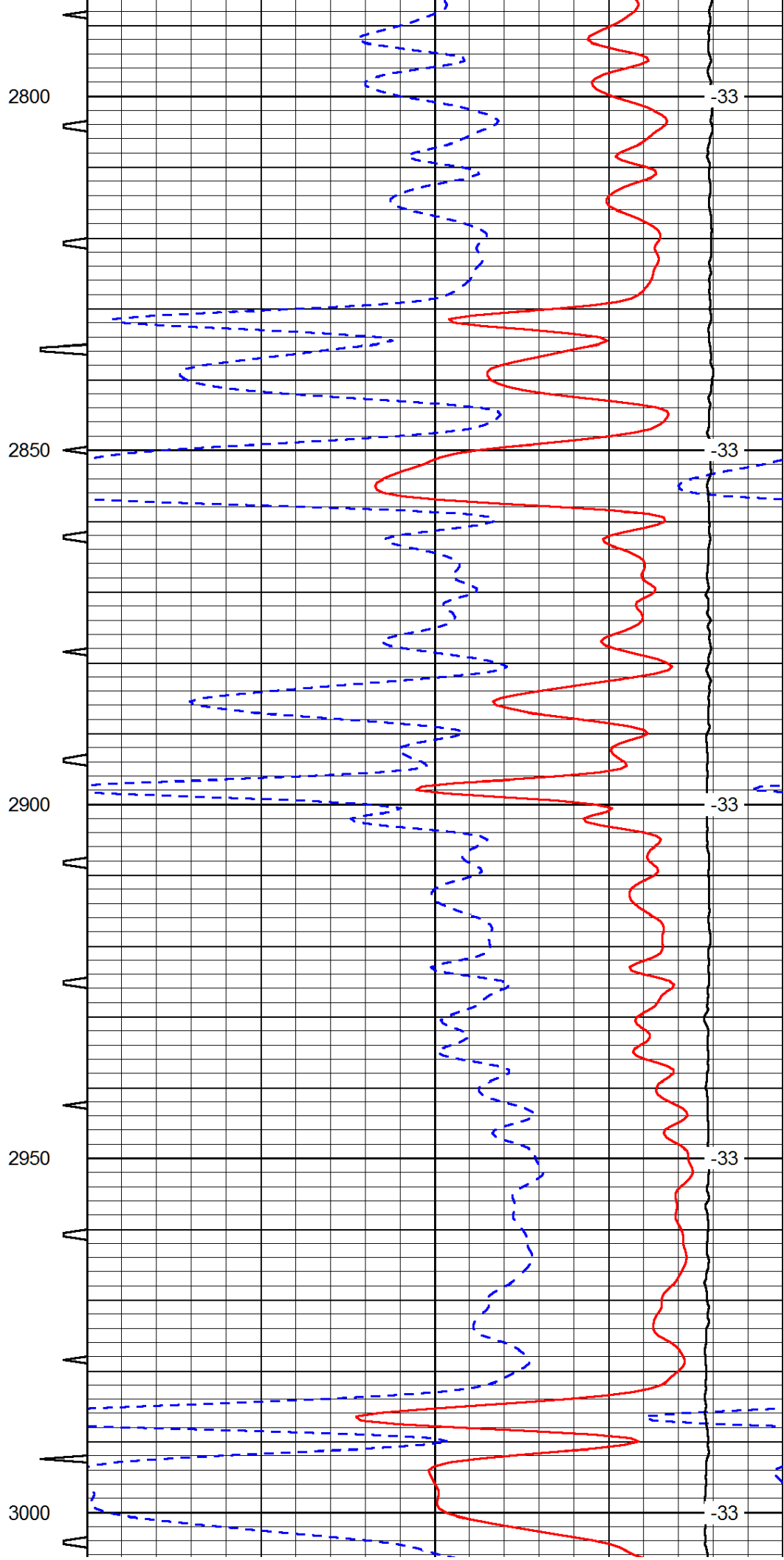
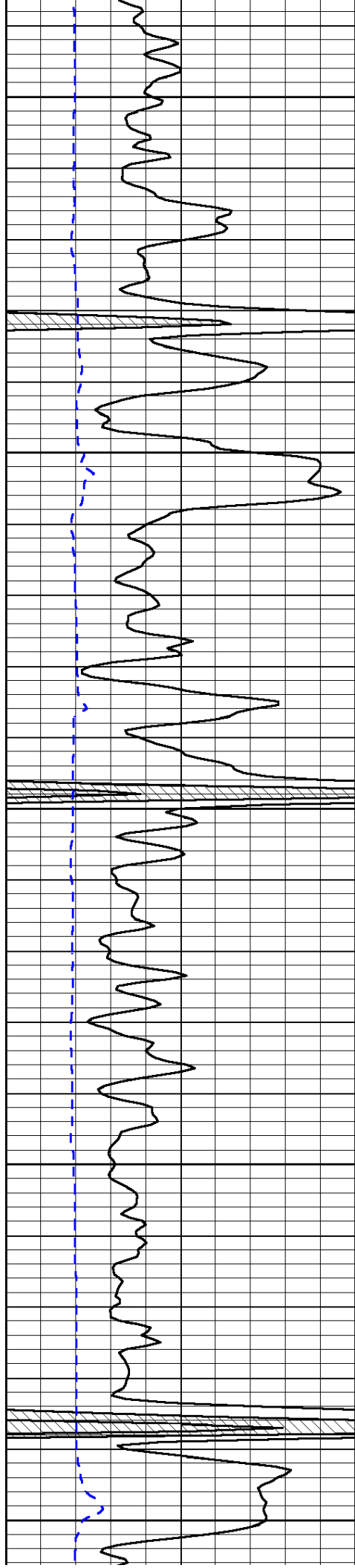


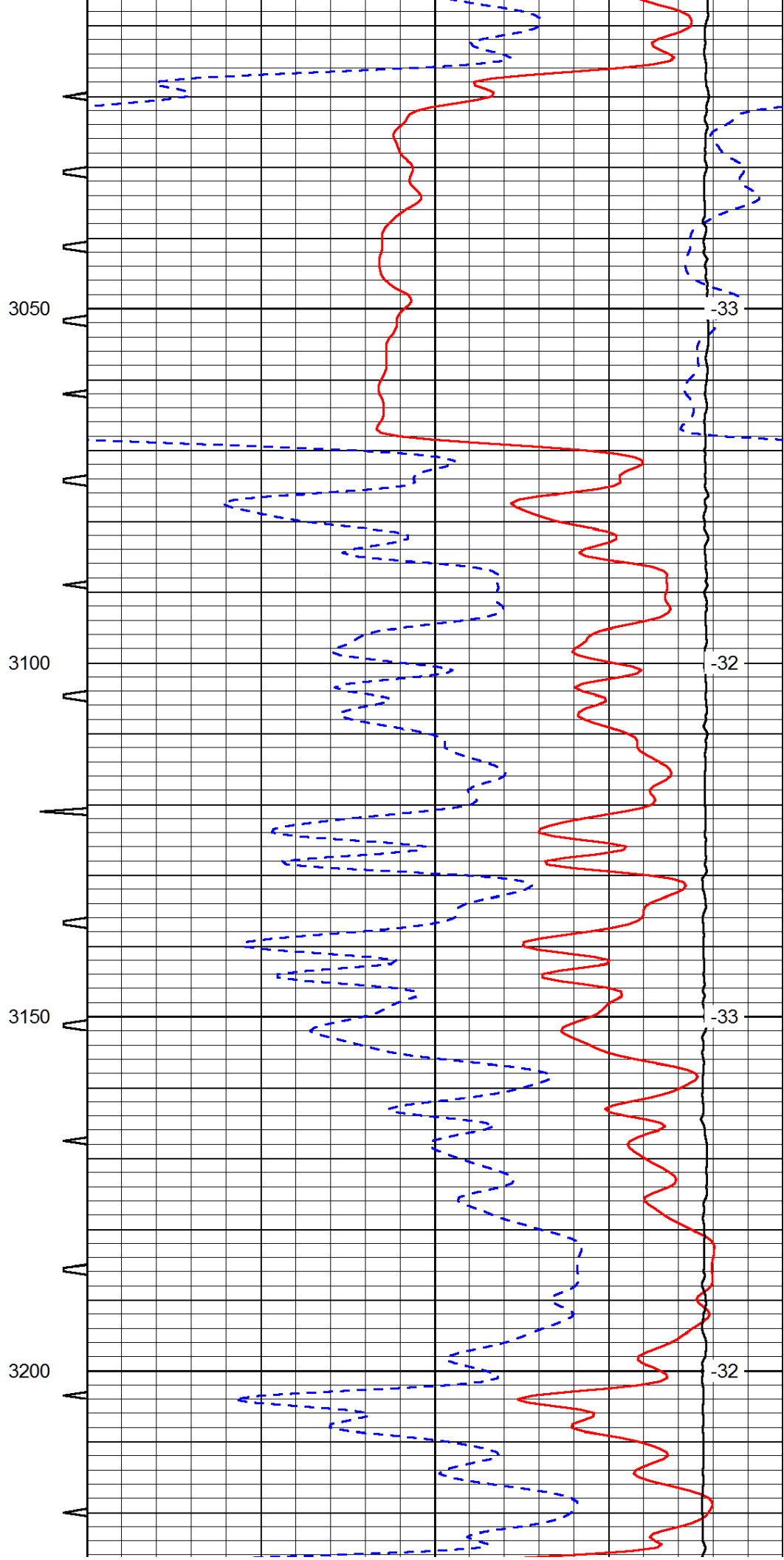
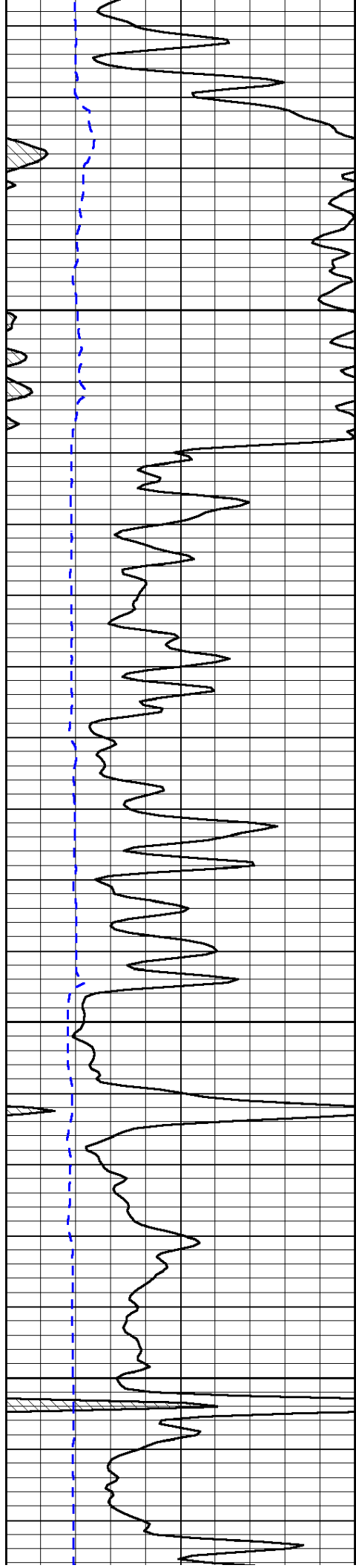


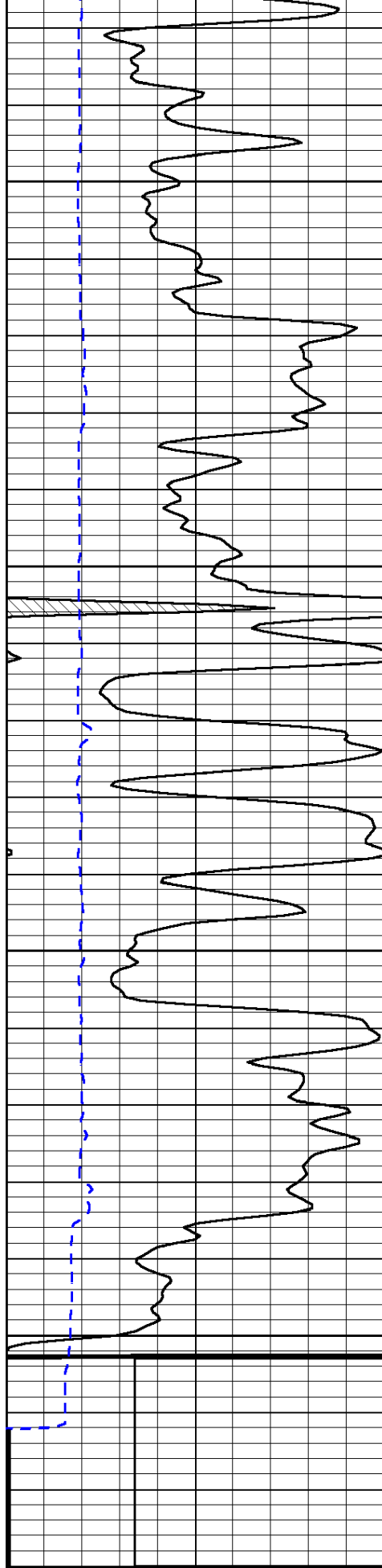




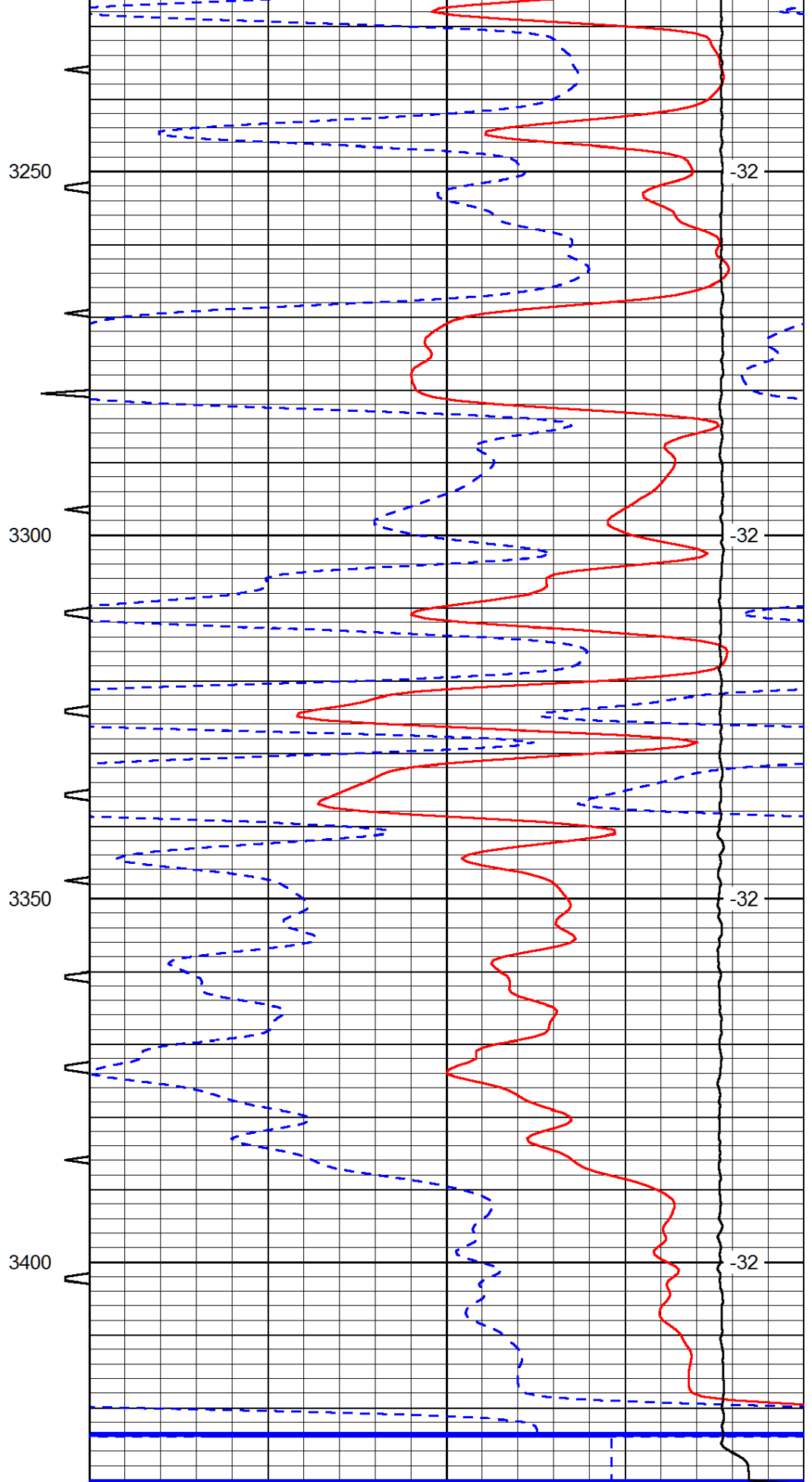








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6	dCAL (in)	16



Sonic Int	140	Delta Time (u sec/ft) (u sec/ft)	40
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	15000		

