



MIDWEST WIRELINE

BOREHOLE COMPENSATED SONIC LOG

Company Murfin Drilling Company, Inc.
 Well Rusco-Davis #4-1
 Field Star Southwest
 County Ellis
 State Kansas

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Location: API #: 15-051-27025-00-00
 1000 FNL & 2250 FWL
 SEC 1 TWP 12S RGE 20W
 Permanent Datum Ground Level Elevation 2045
 Log Measured From Kelly Bushing
 Drilling Measured From Kelly Bushing
 Other Services
 DIL/MEL
 CNL/CDL
 Elevation
 K.B. 2050
 D.F.
 G.L. 2045

Date	2/13/2022						
Run Number	Two						
Type Log	BHCS						
Depth Driller	3700						
Depth Logger	3700						
Bottom Logged Interval	3689						
Top Logged Interval	250						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	4500						
Density	9.3						
Level	Full						
Max. Rec. Temp. F	113						
Operating Rig Time	5 Hours						
Equipment -- Location	P-108 HAYS						
Recorded By	J. Henrickson						
Witnessed By	Jeff Lawler						
Borehole Record		Casing Record					
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	0	262	8.625	24	0	262
Two	7.875	262	TD				

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All interpretations are opinions based on inferences from electrical or other measurements and Midwest Wireline LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Midwest Wireline LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Ellis Kansas
 North to Homestead, 2 1/2 East,
 South Into

Log Measured From: Kelly Bushing 5 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC
 785-625-3858

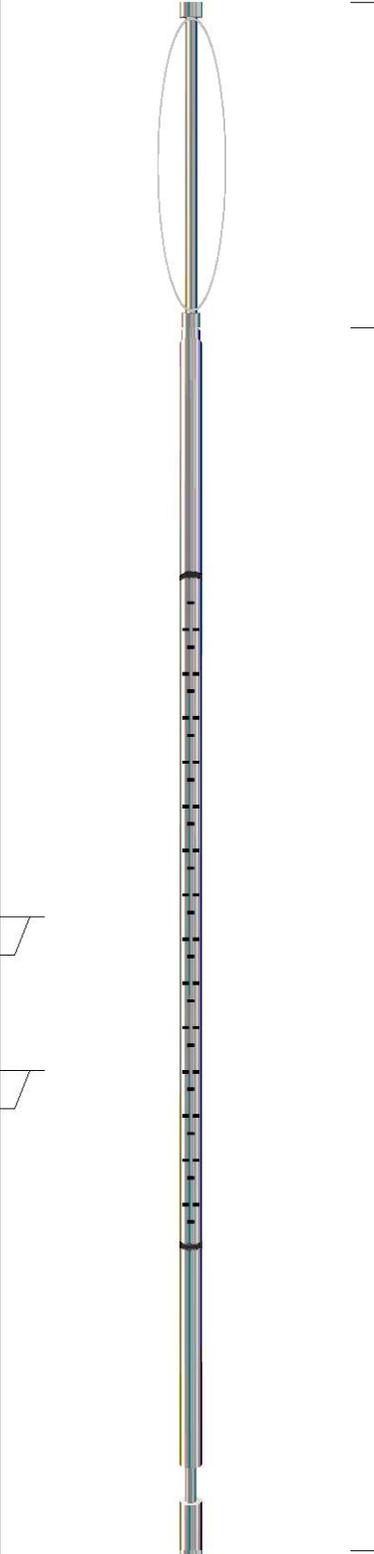
Your Midwest Wireline Crew	This Log Record Was Witnessed By
Engineer: J. Henrickson Operator: Operator: Operator:	Primary Witness: Jeff Lawler Secondary Witness: Secondary Witness: Secondary Witness:

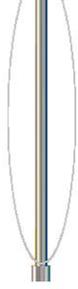
Log Variables

DatabaseC:\ProgramData\Warrior\Data\murfin_rusco_davis_4_1_1.db
 Dataset field/well/stackml/pass4.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	113	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	380	50	Off	3700

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CENT-PENGO	4.25	3.00	70.00
WVF4 WVF1	12.50 12.50		SLT-PENGO (602)	15.92	3.50	300.00
WVF3 WVF2	10.50 10.50					



CENT-PENGO

4.25

3.00

70.00

Dataset: murfin_rusco_davis_4_1.db: field/well/sonic/pass2
 Total length: 24.42 ft
 Total weight: 440.00 lb
 O.D.: 3.50 in



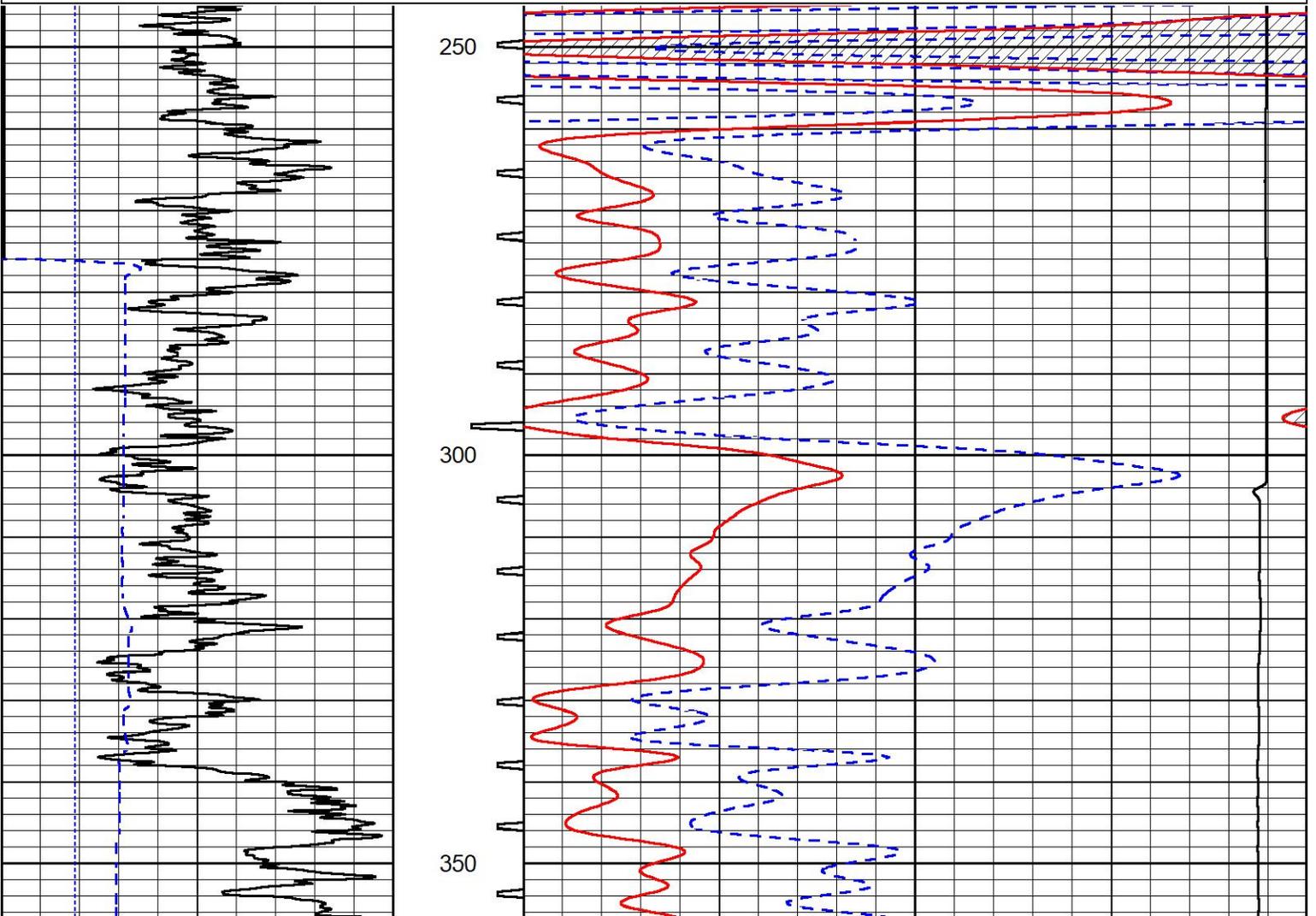
MIDWEST WIRELINE

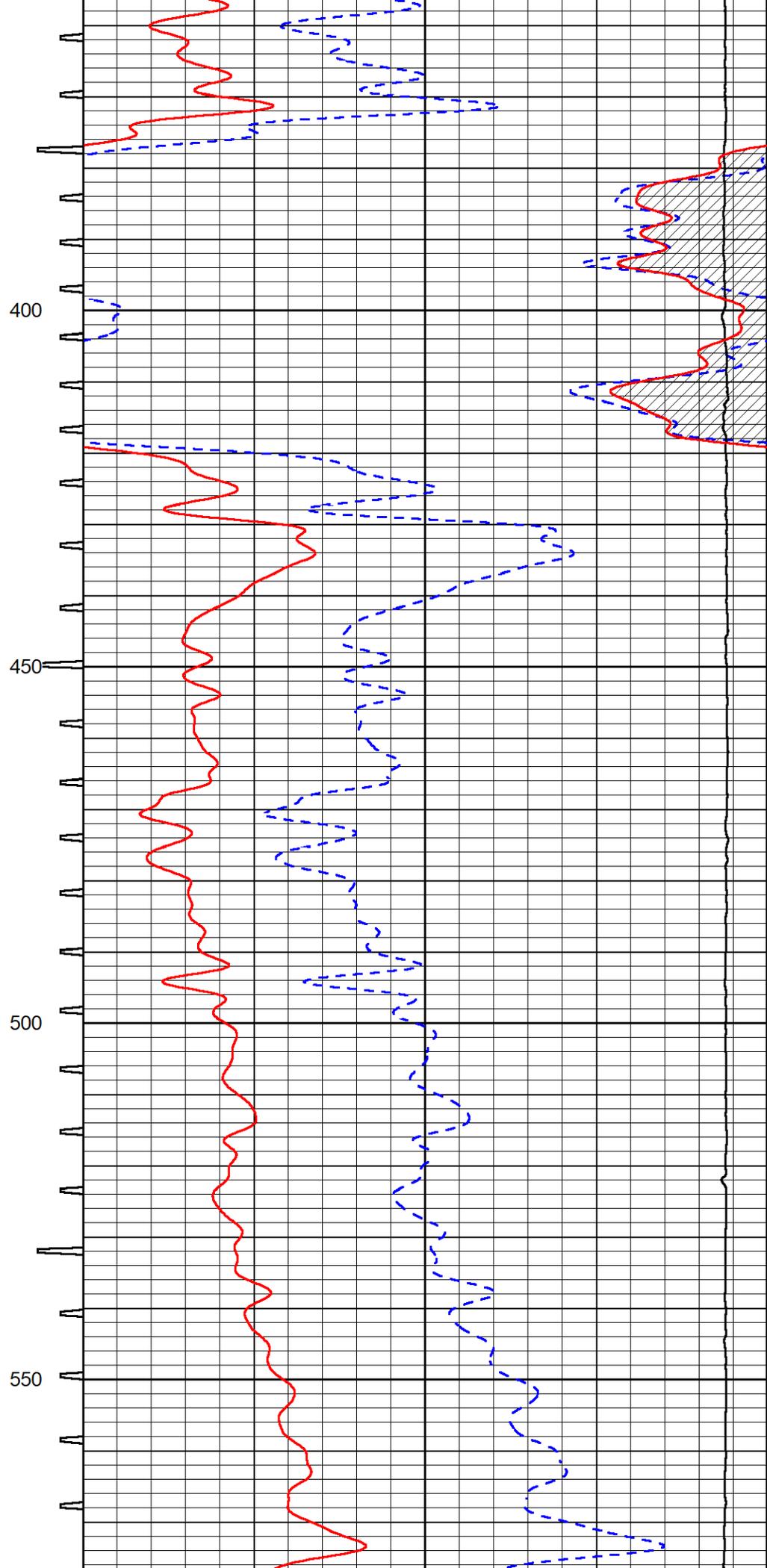
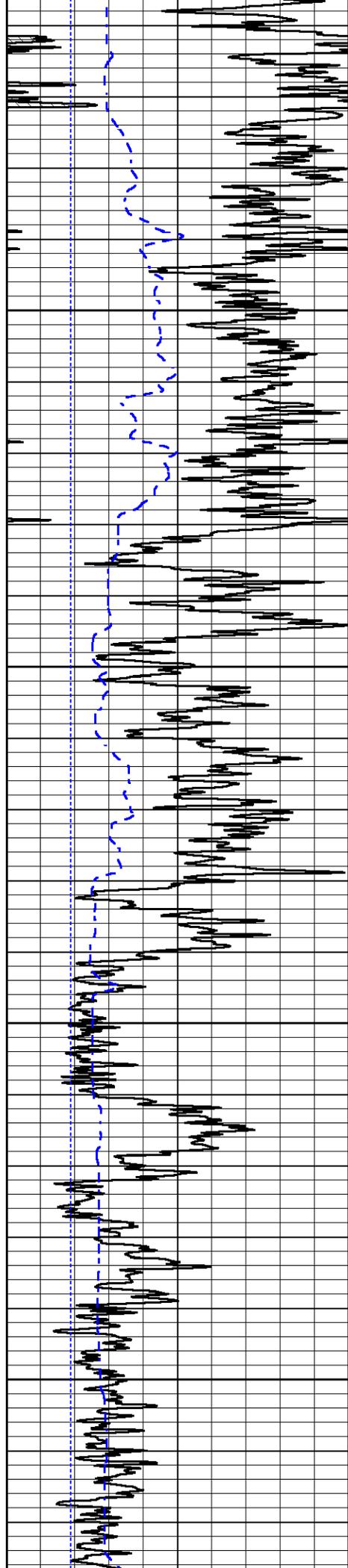
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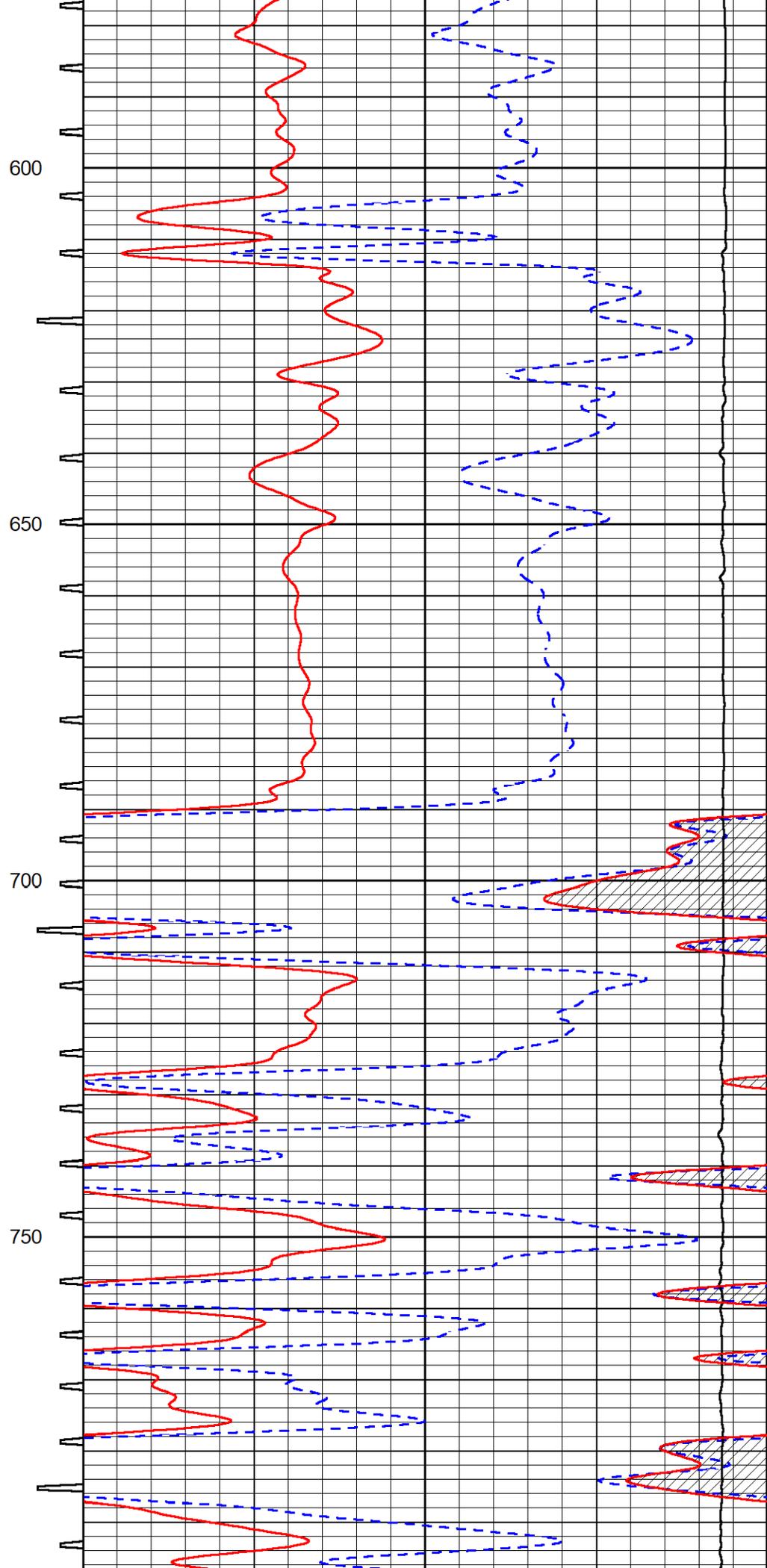
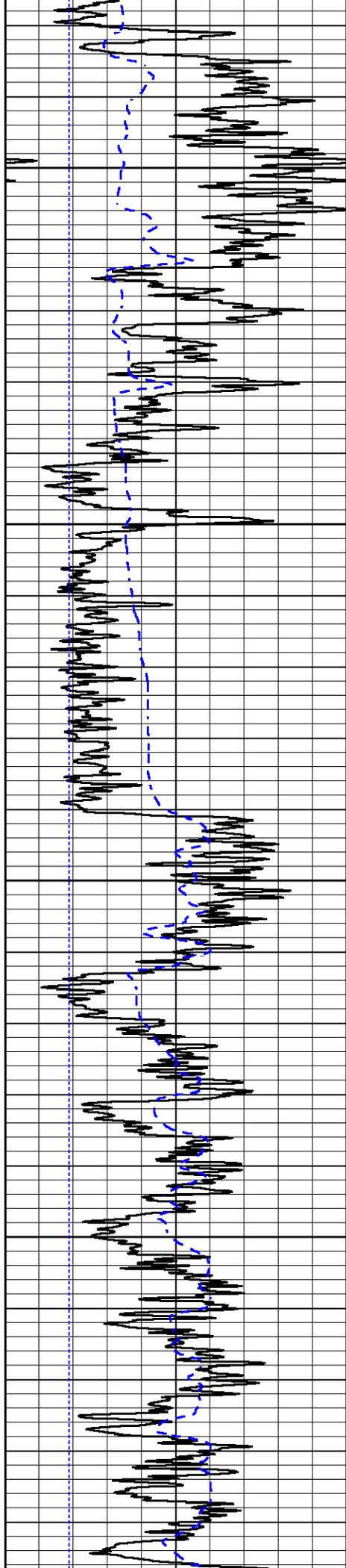
MAIN PASS

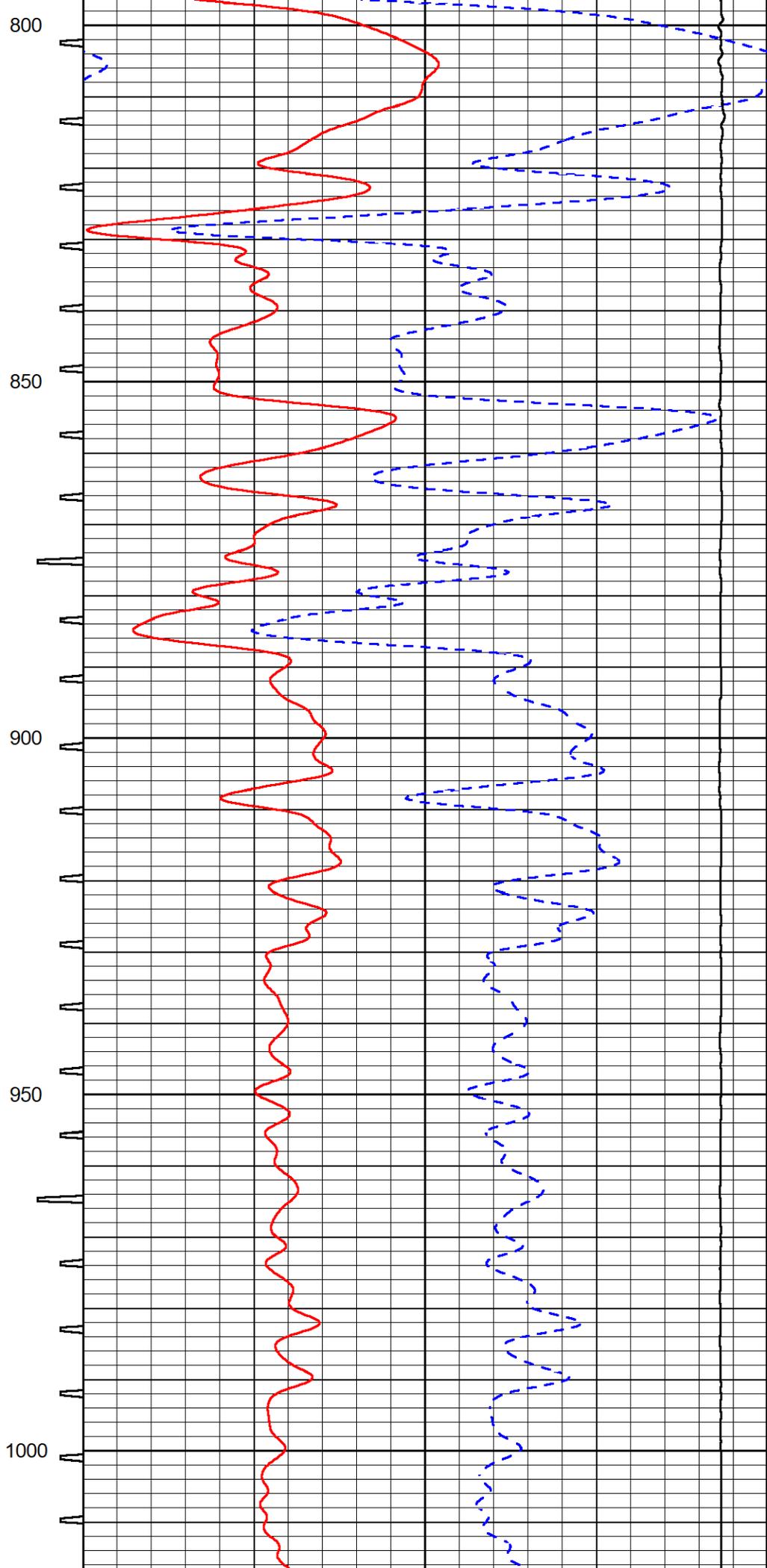
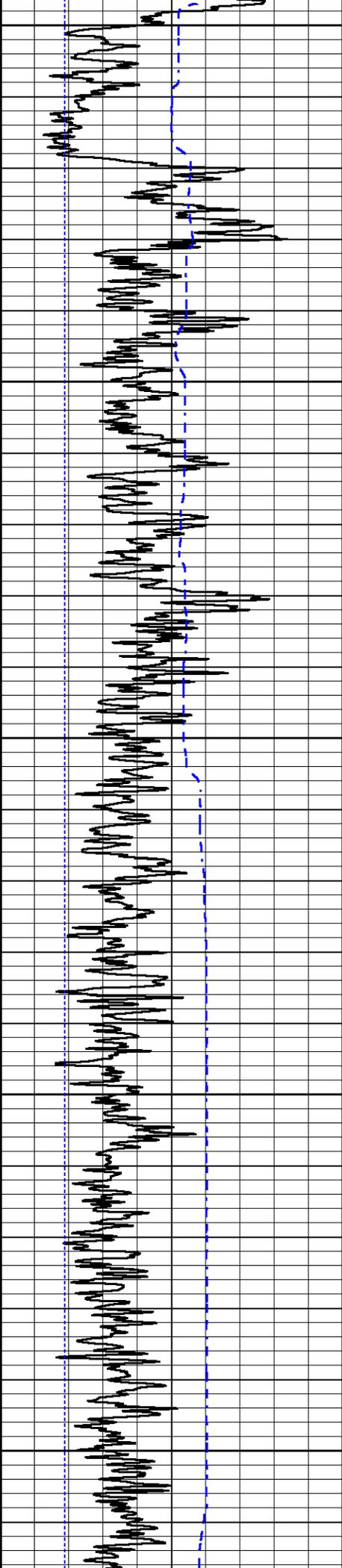
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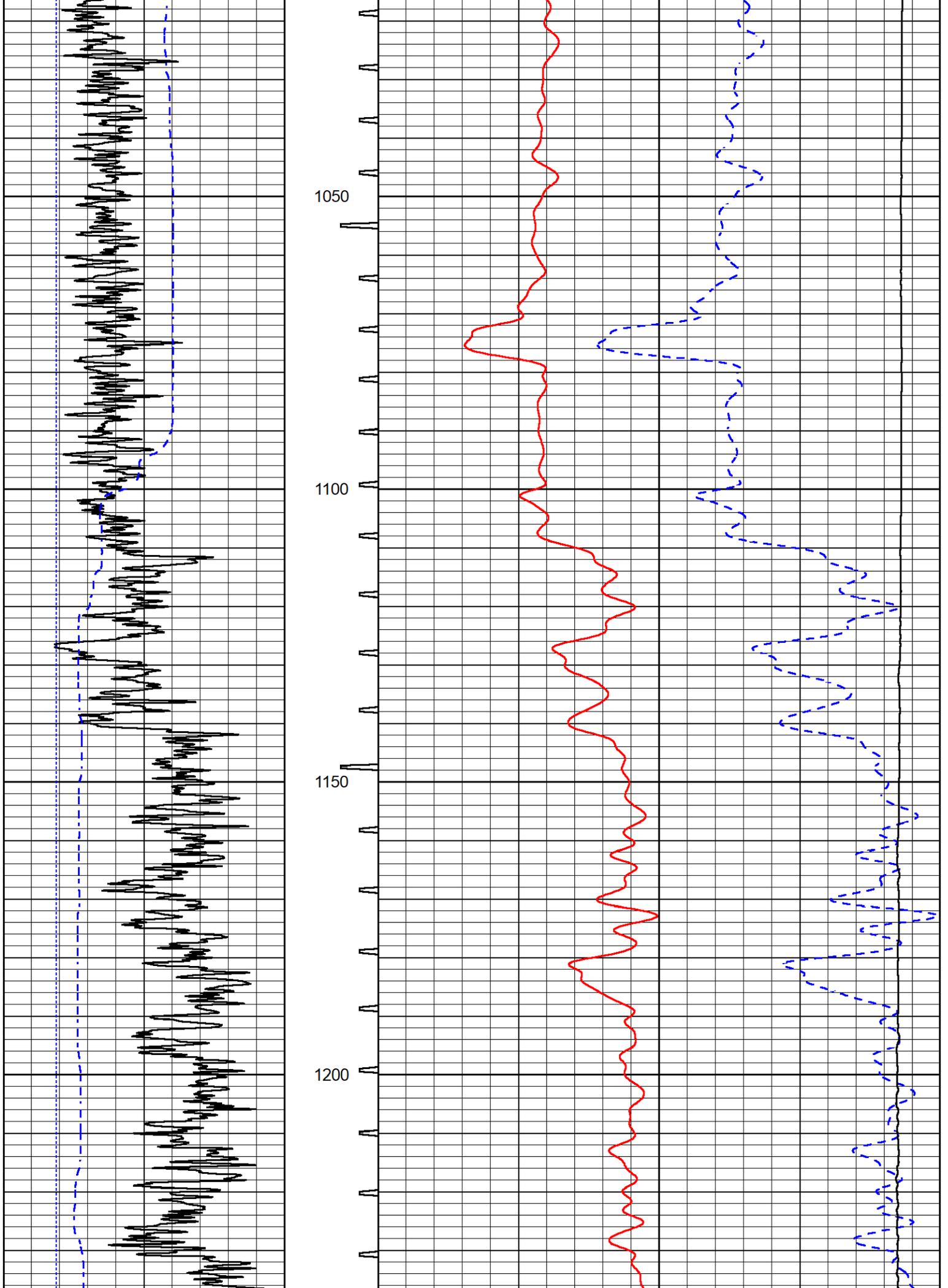
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150	GR (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu) (pu)	-10
6	Caliper (in)	16		15000	Line Tension (lb)	0

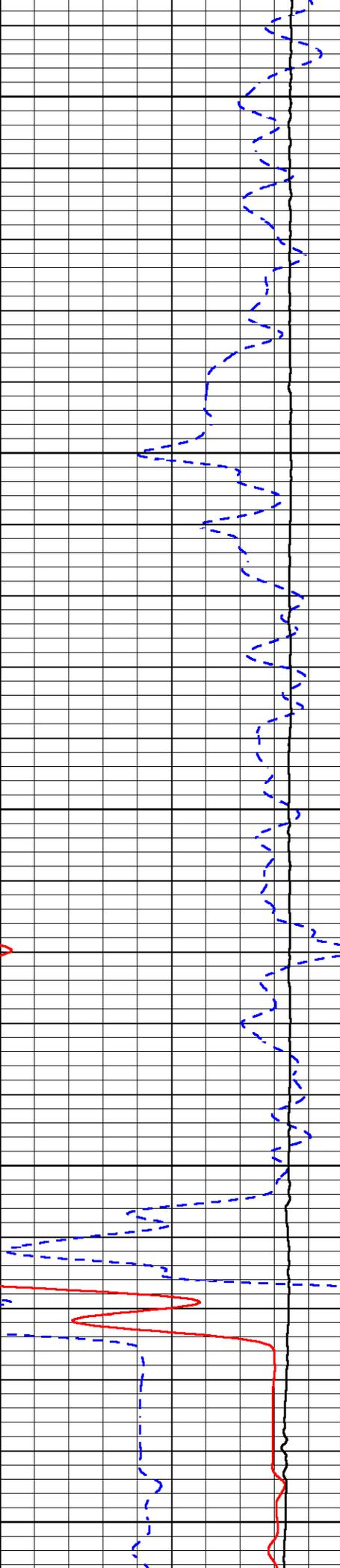
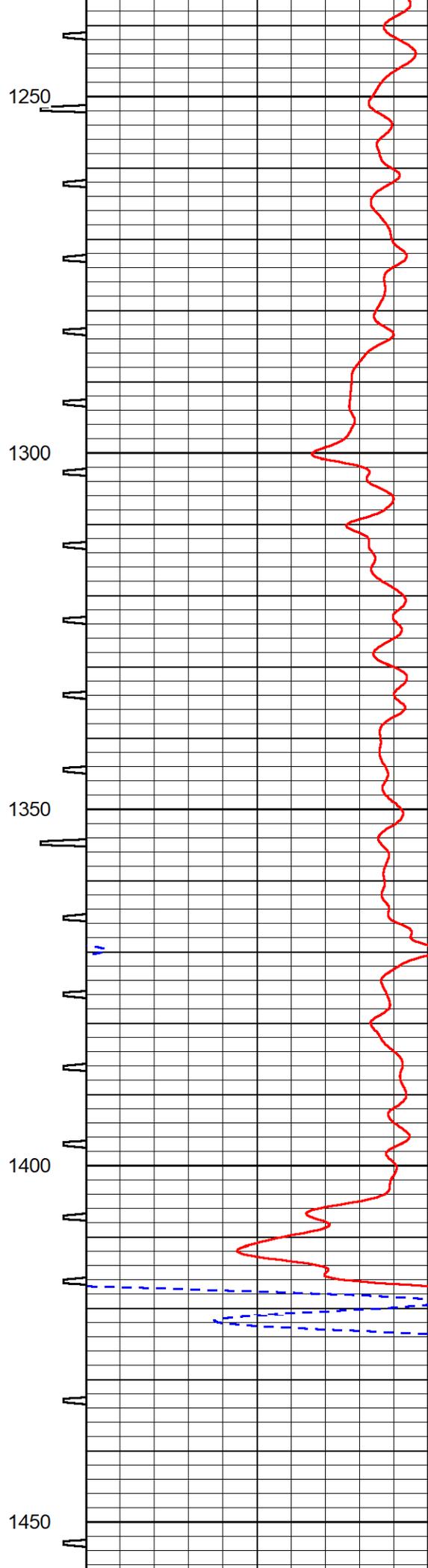
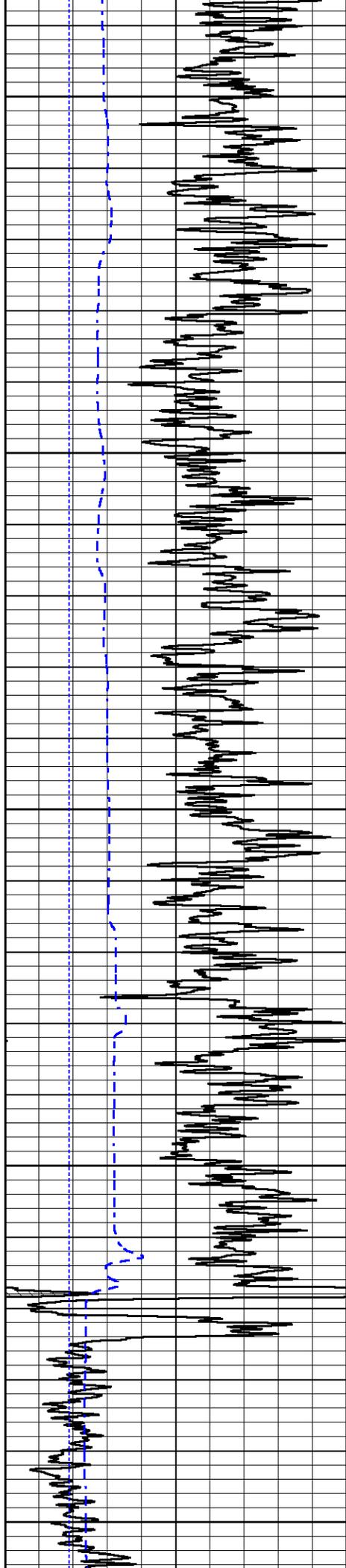


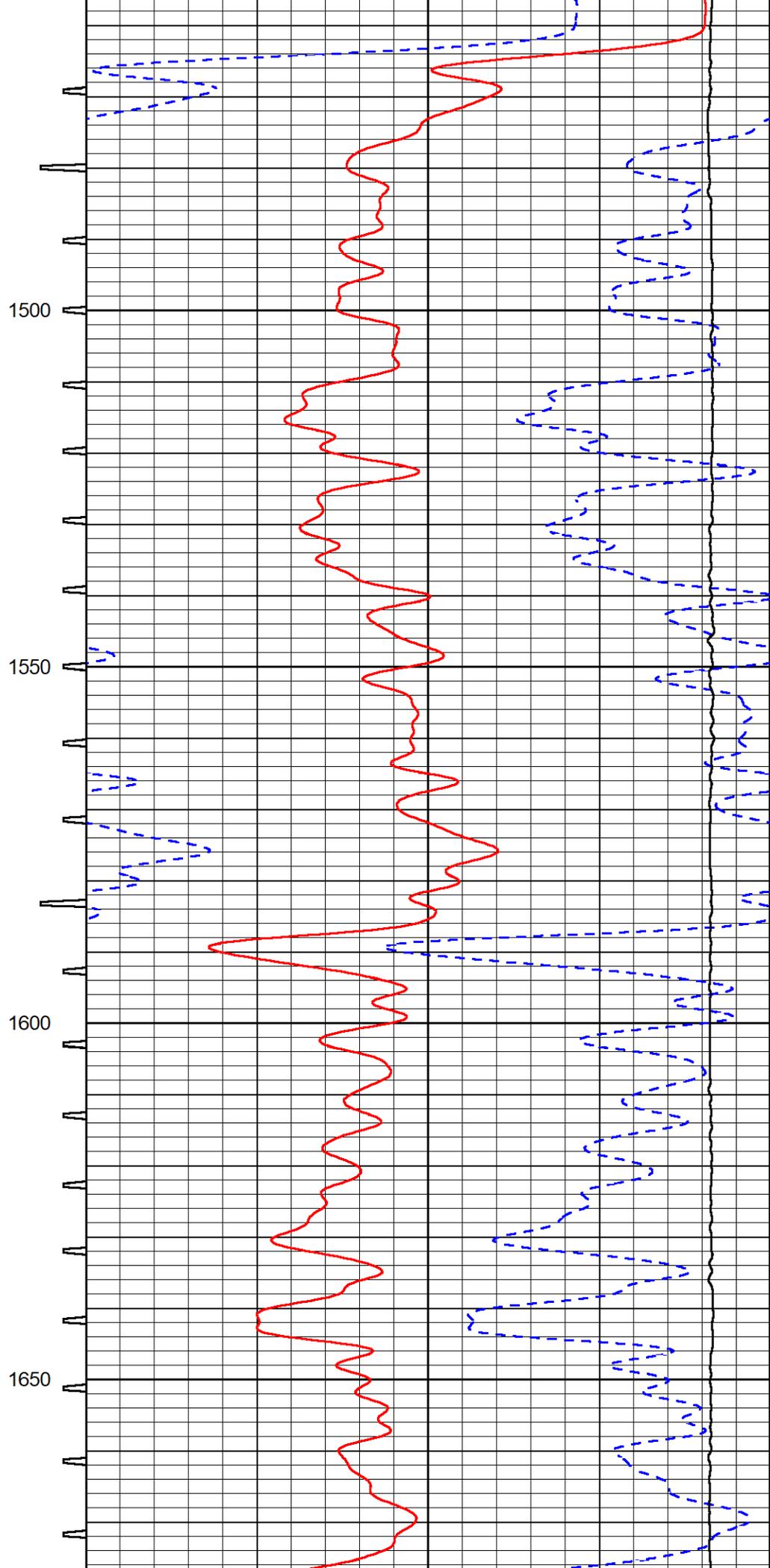
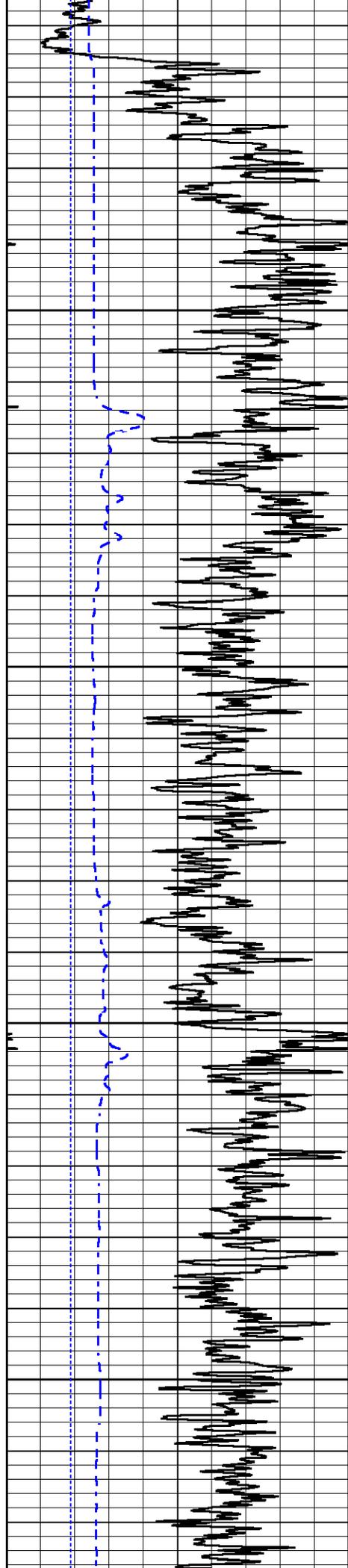


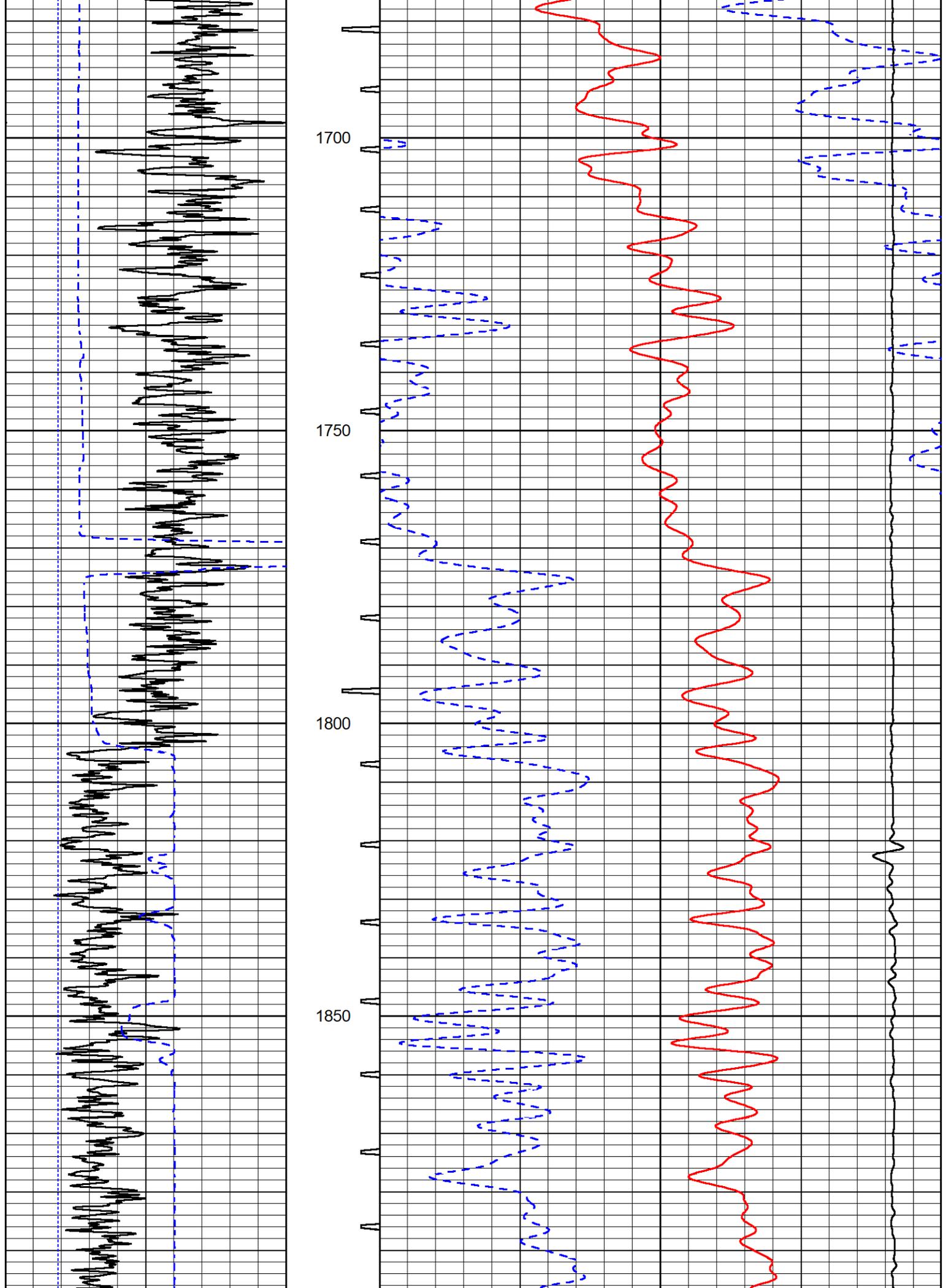


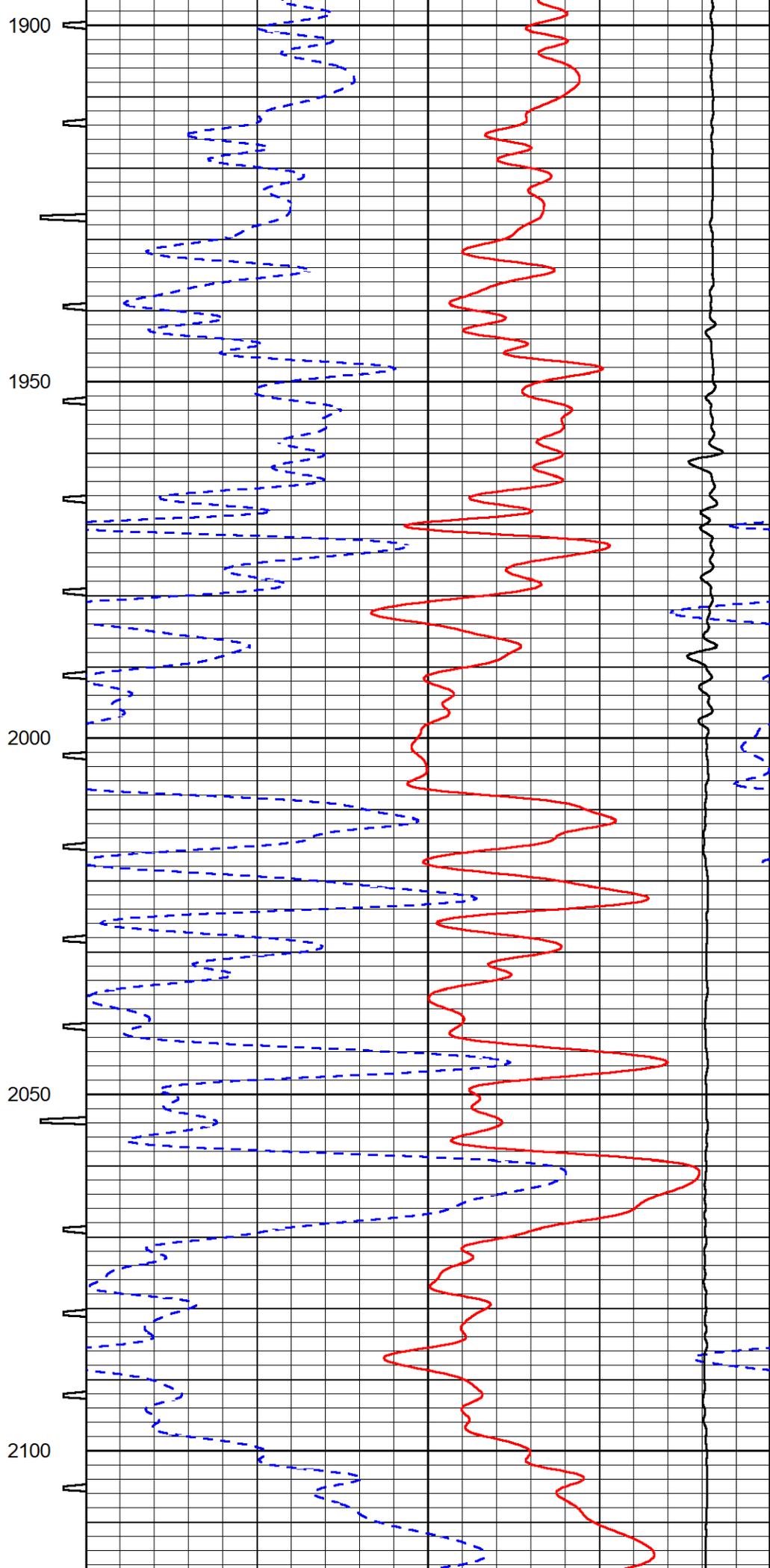
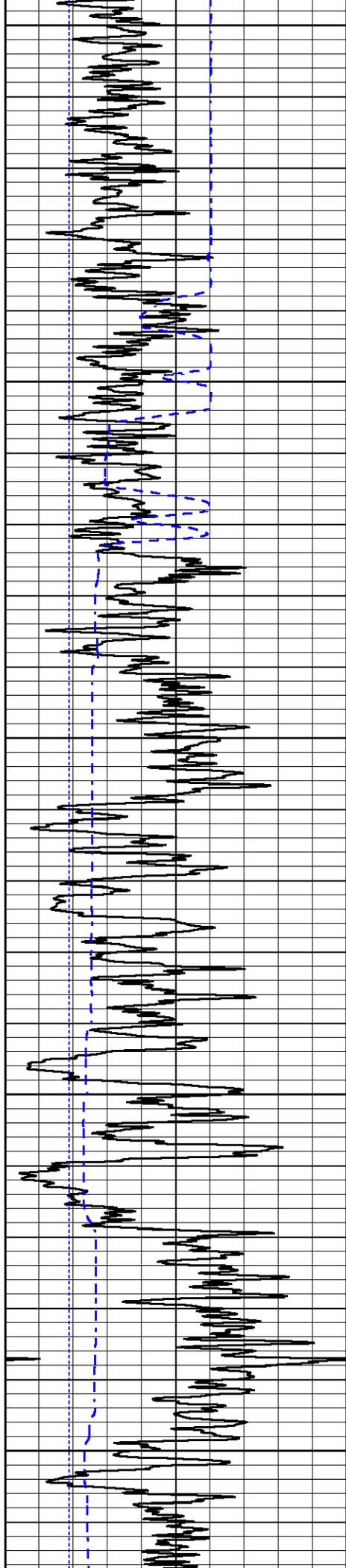


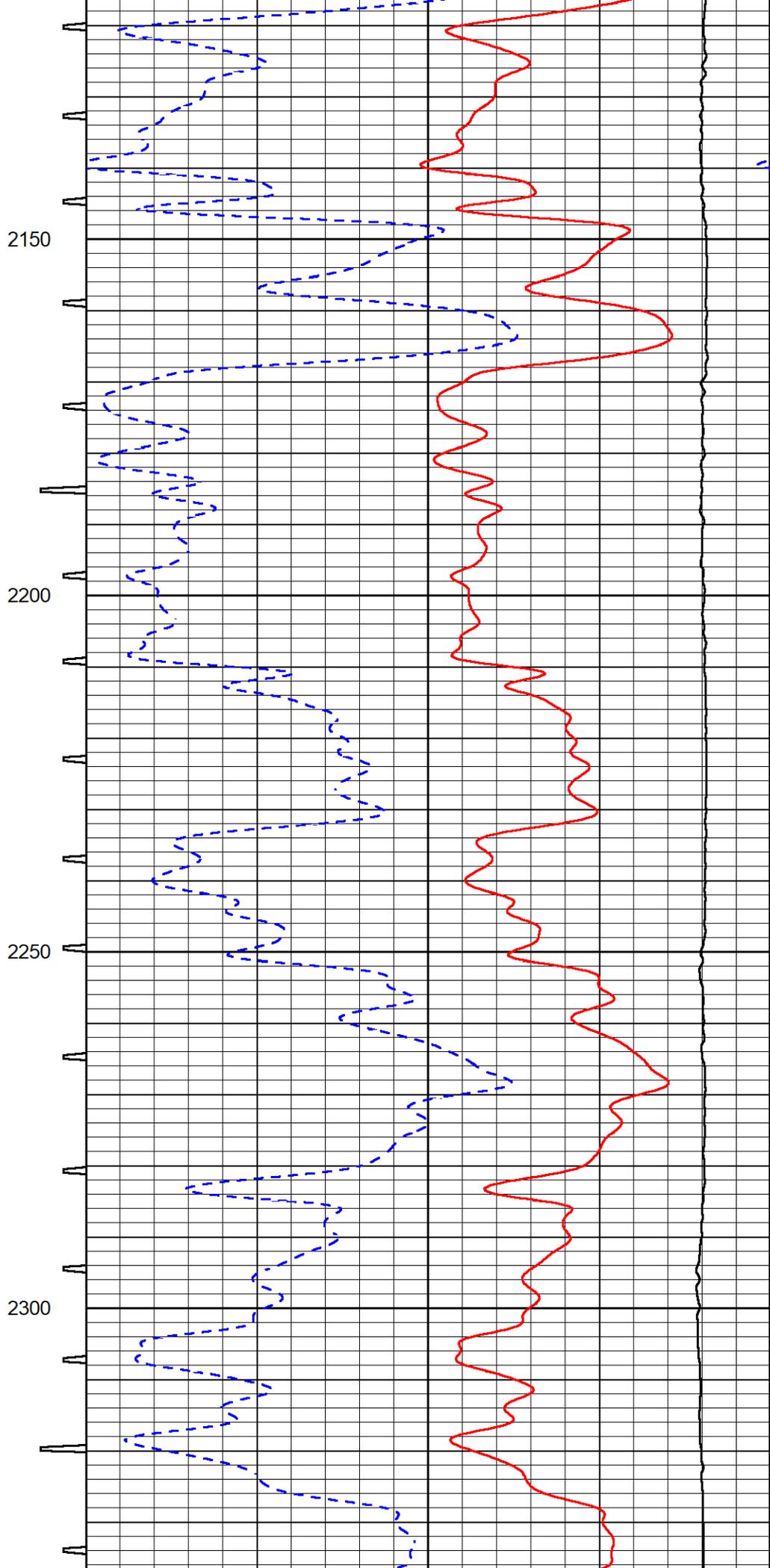
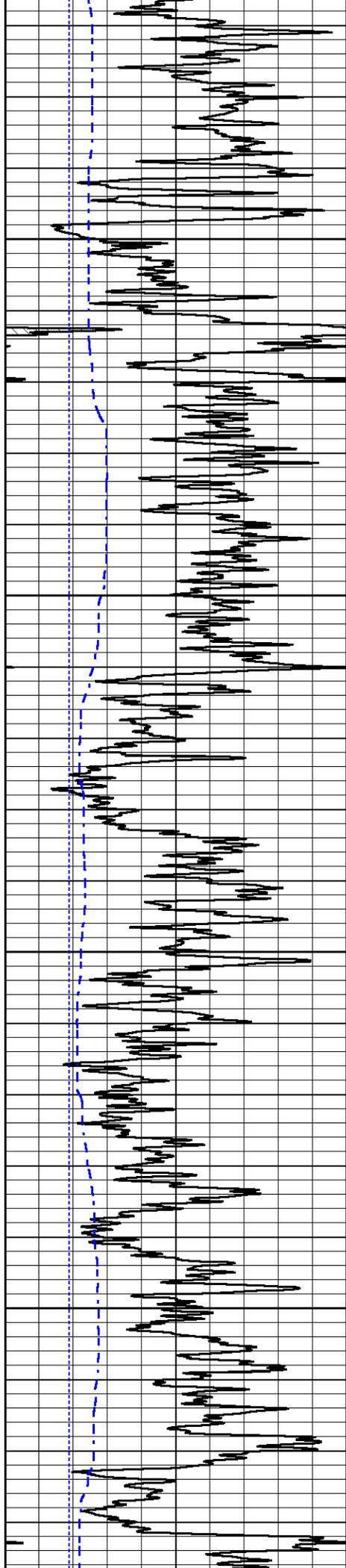


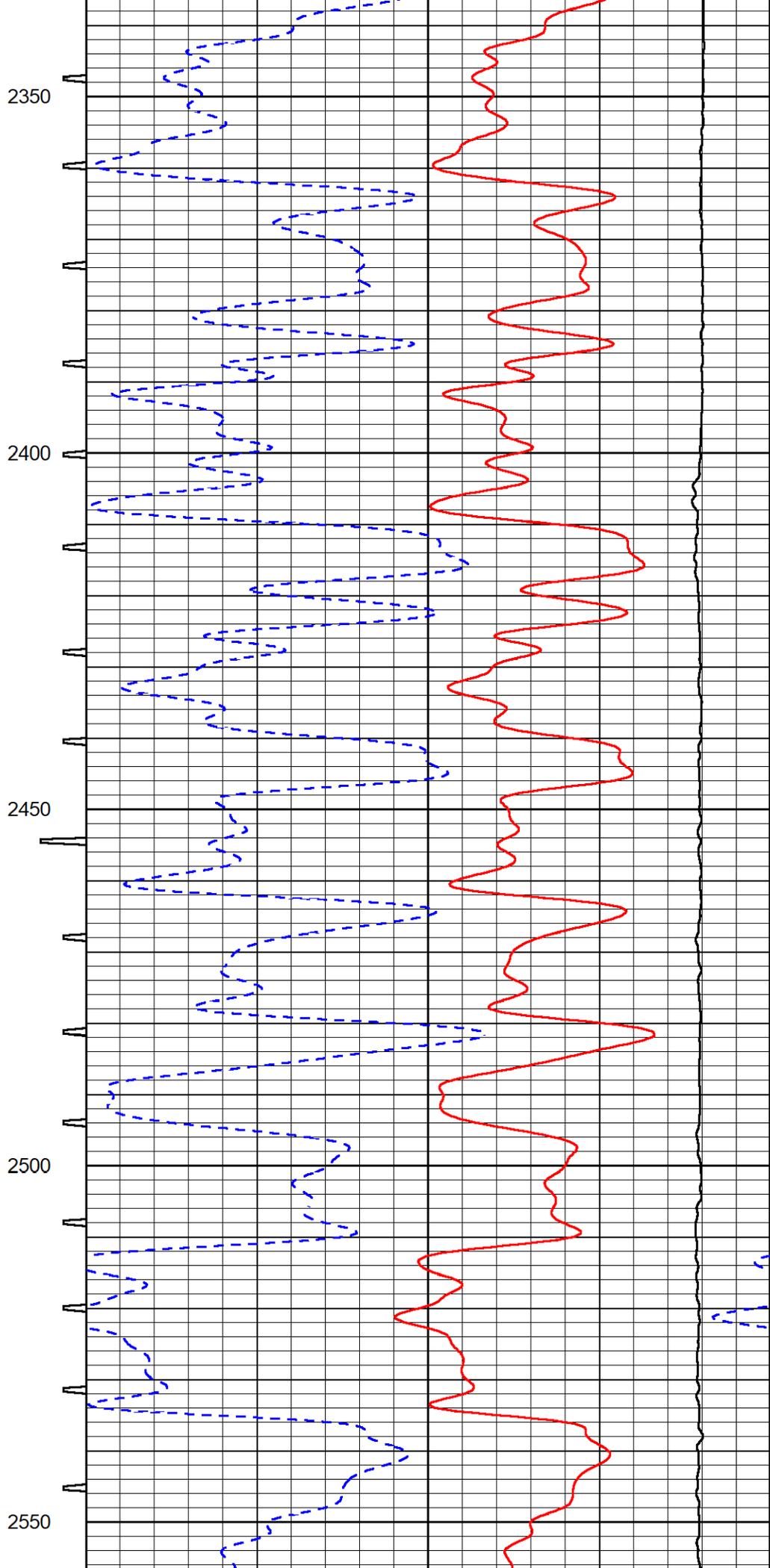
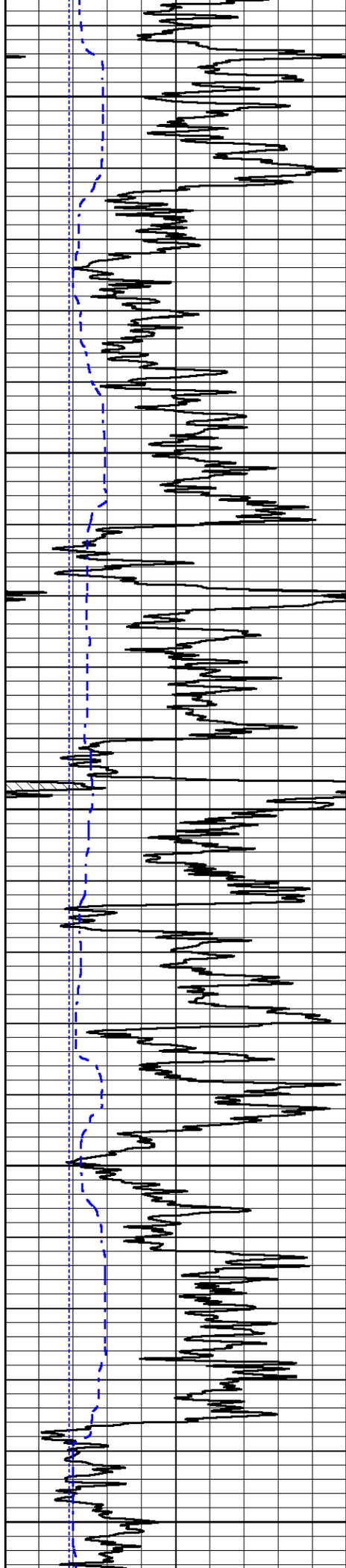


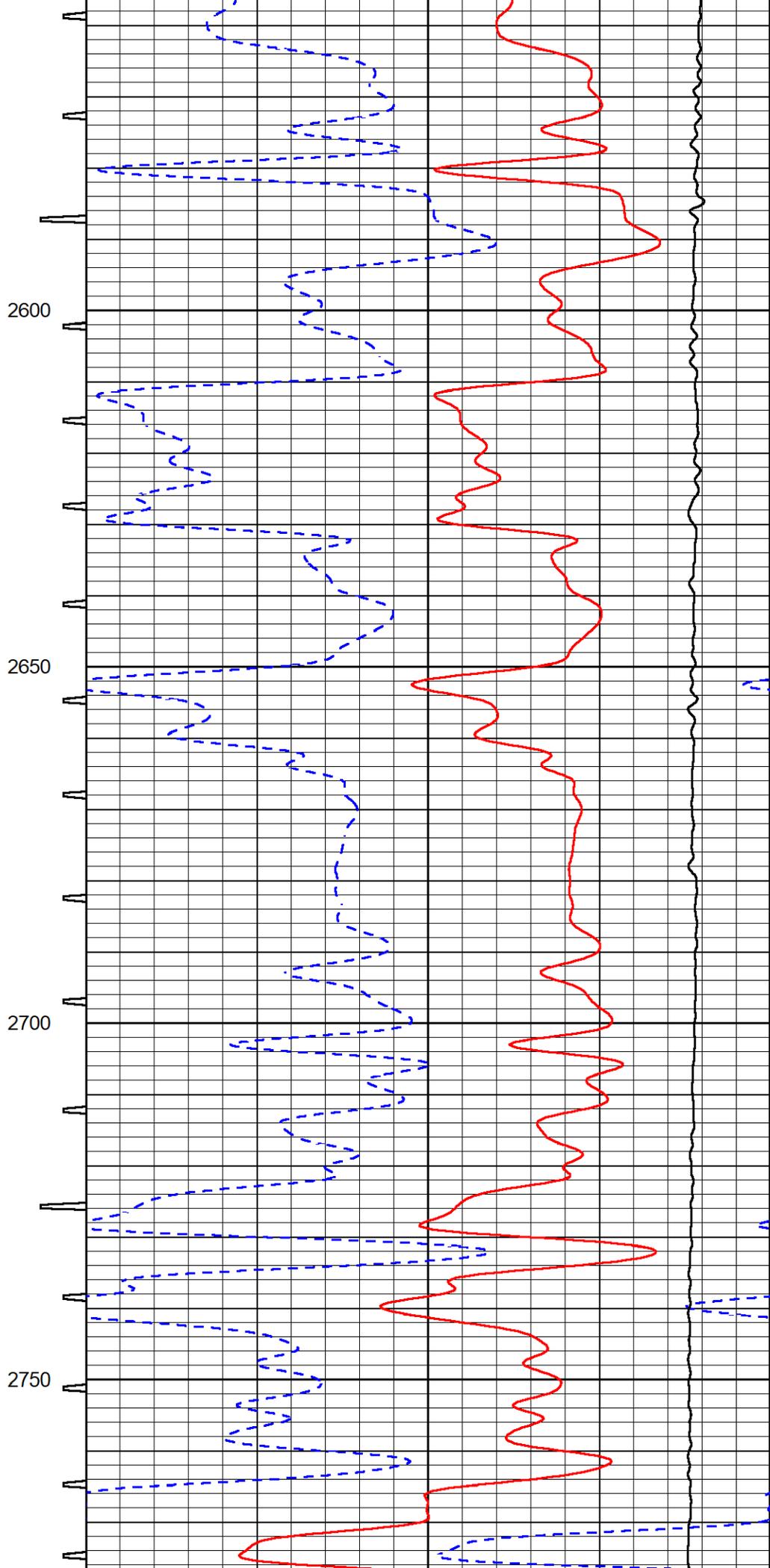
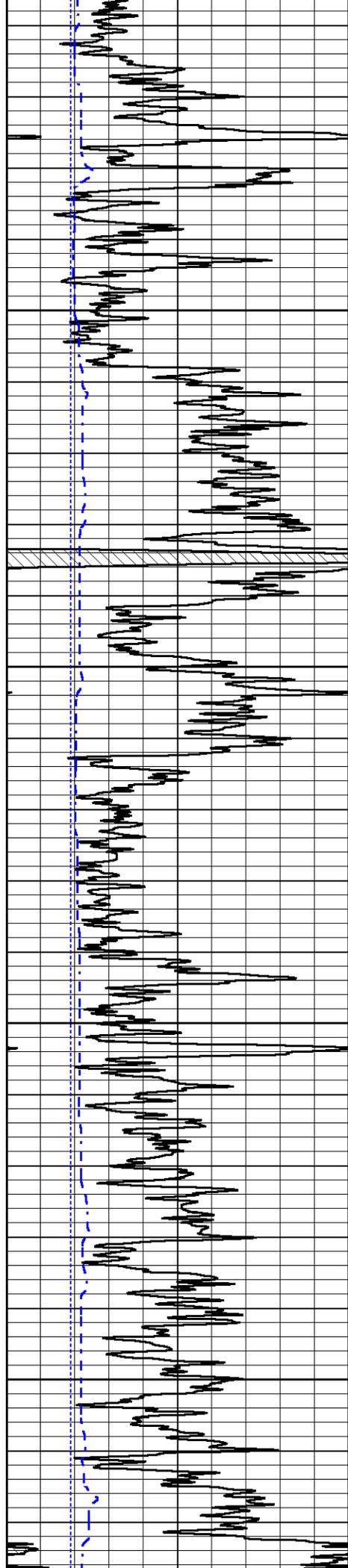


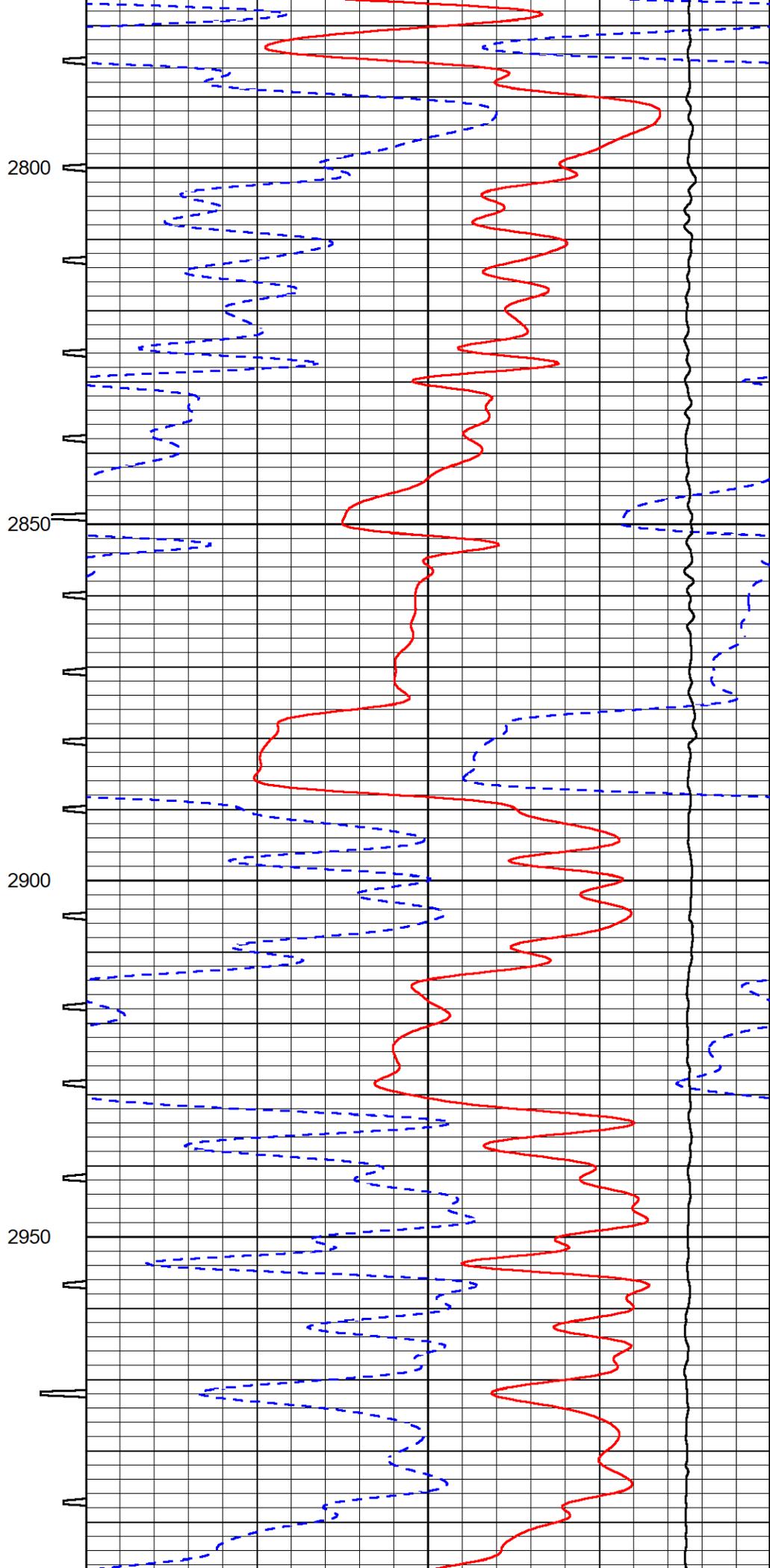
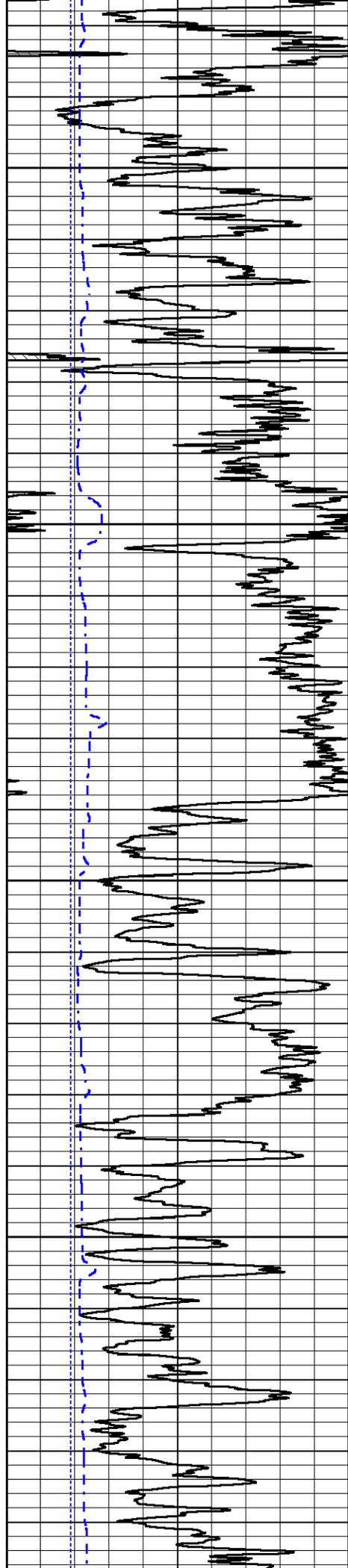


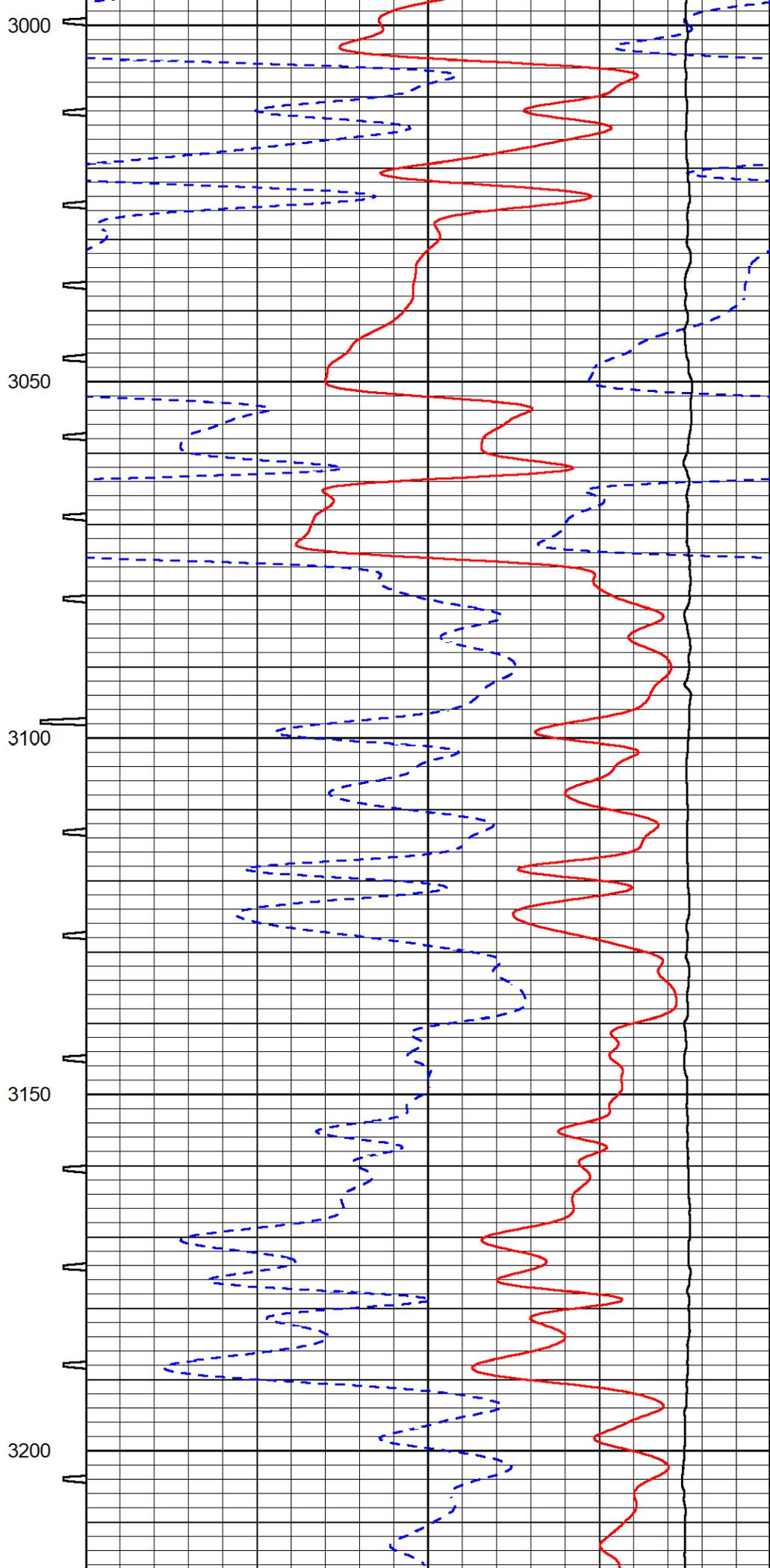
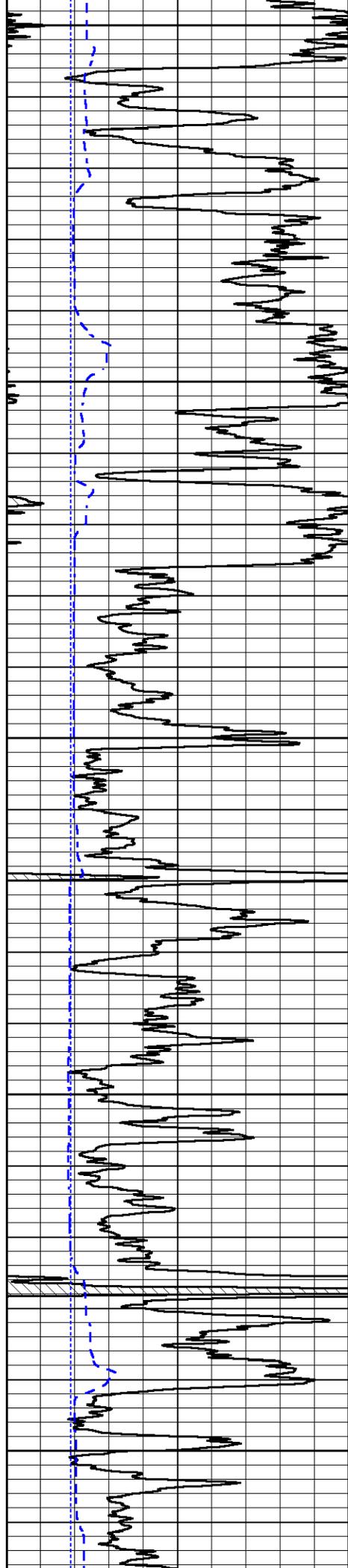


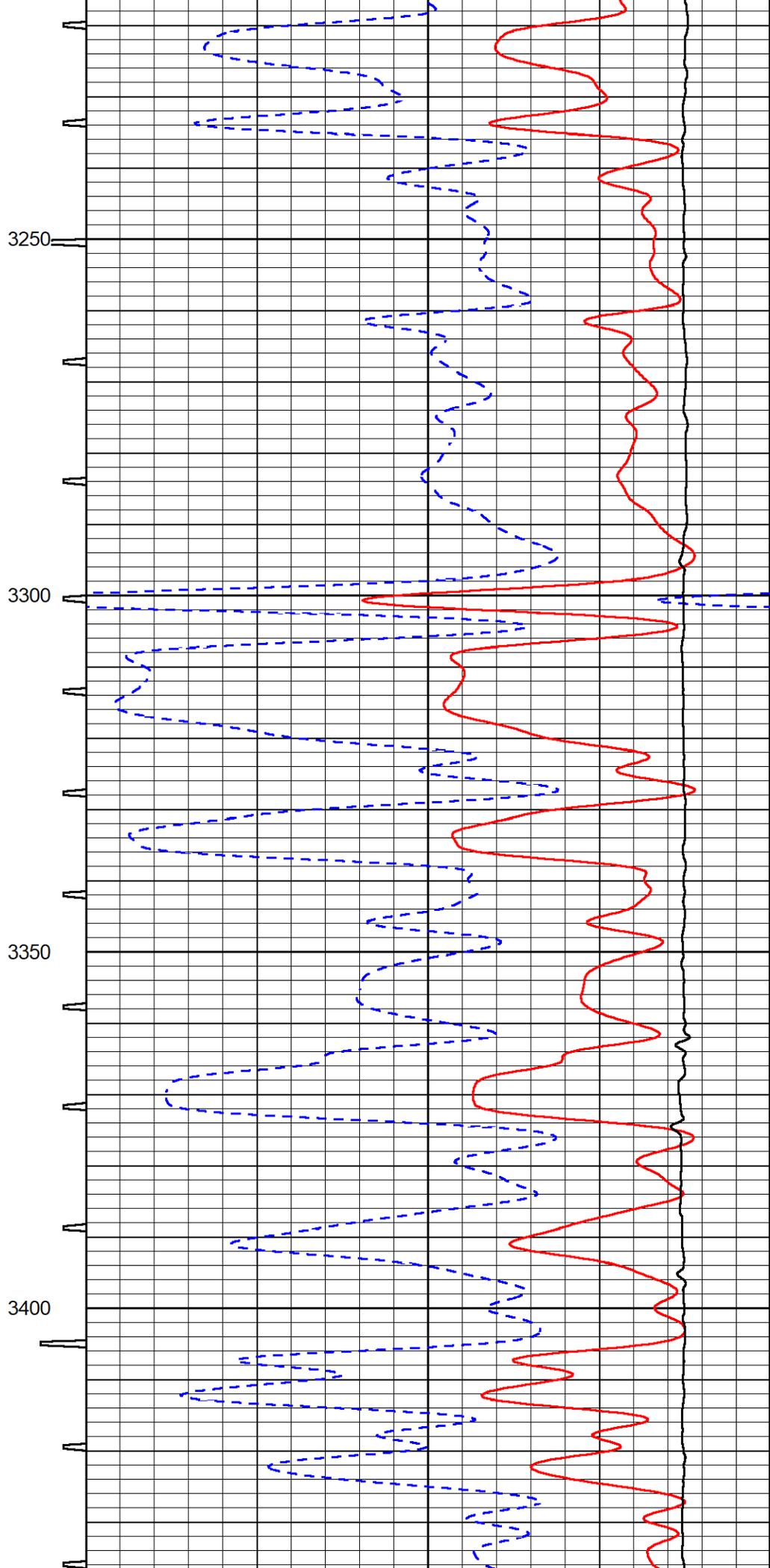
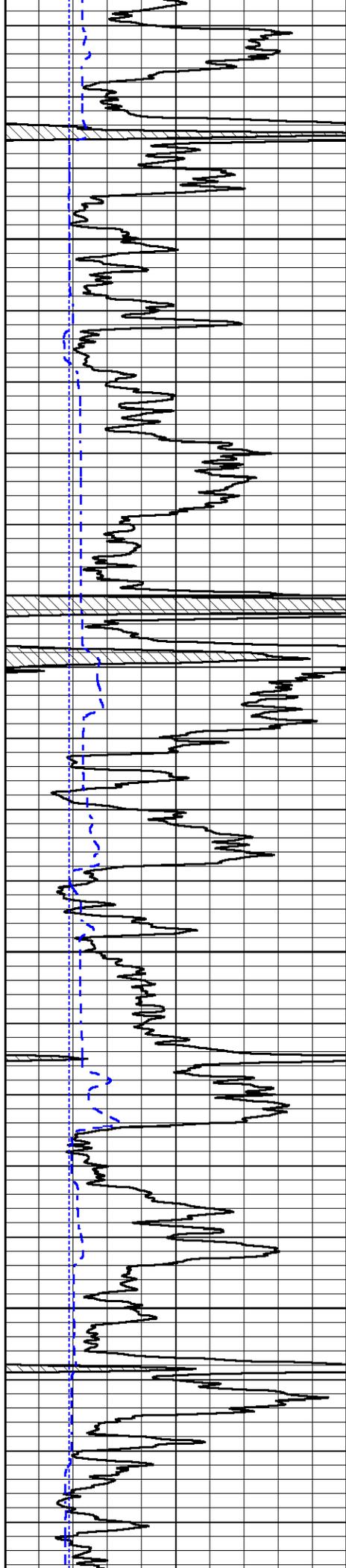


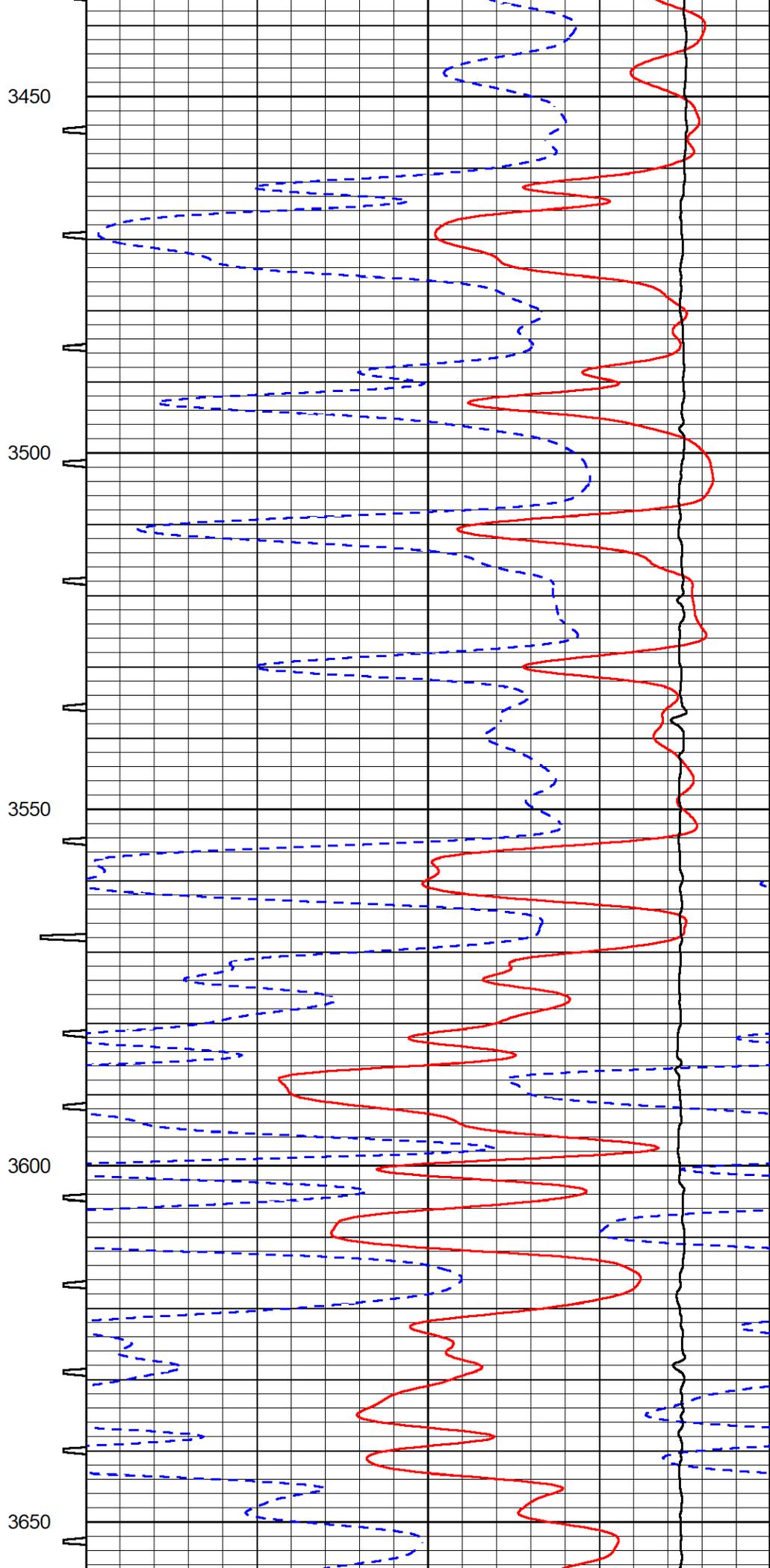
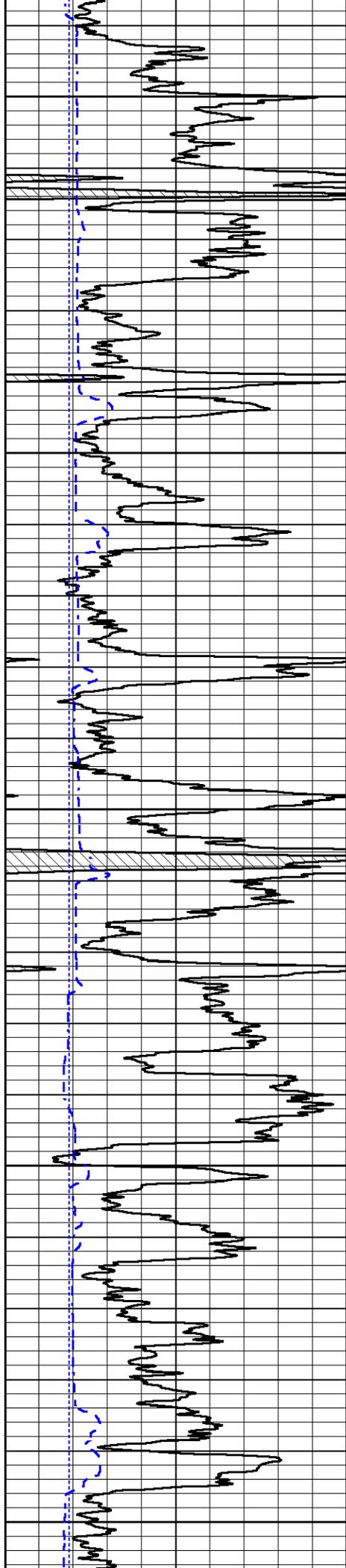


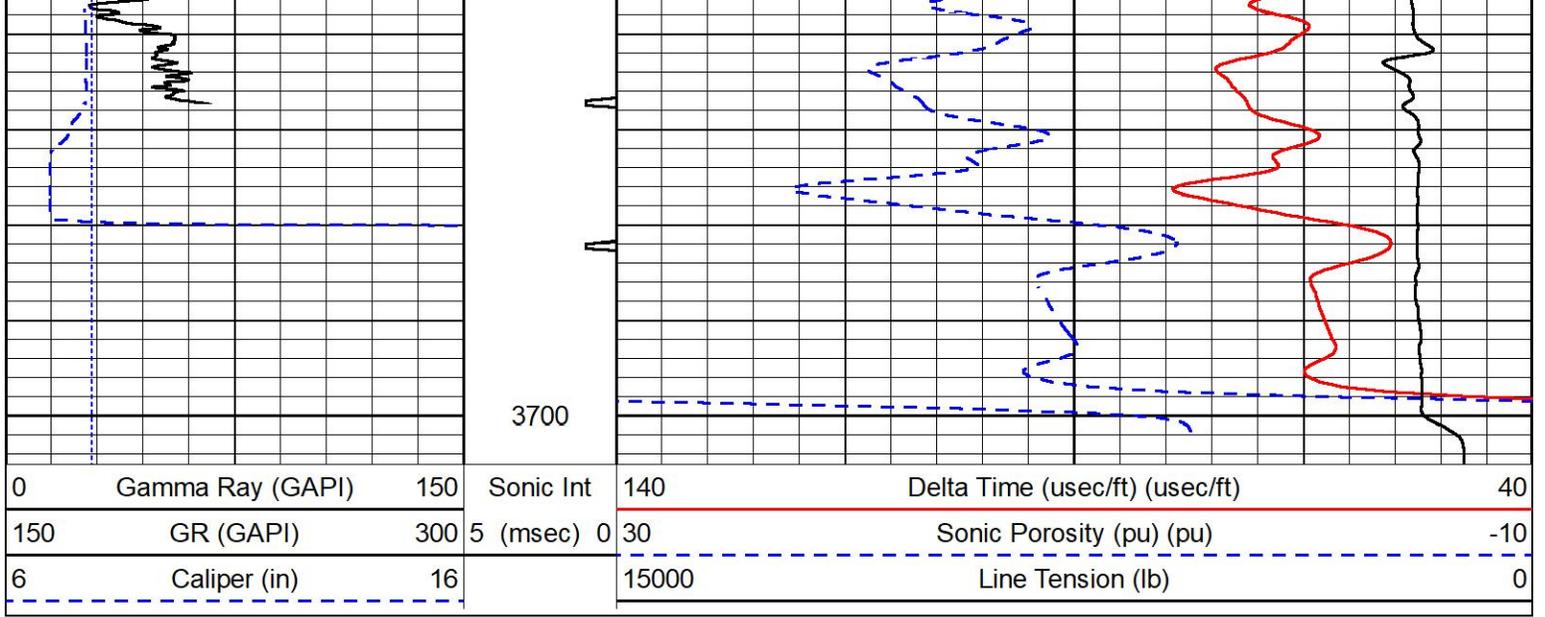












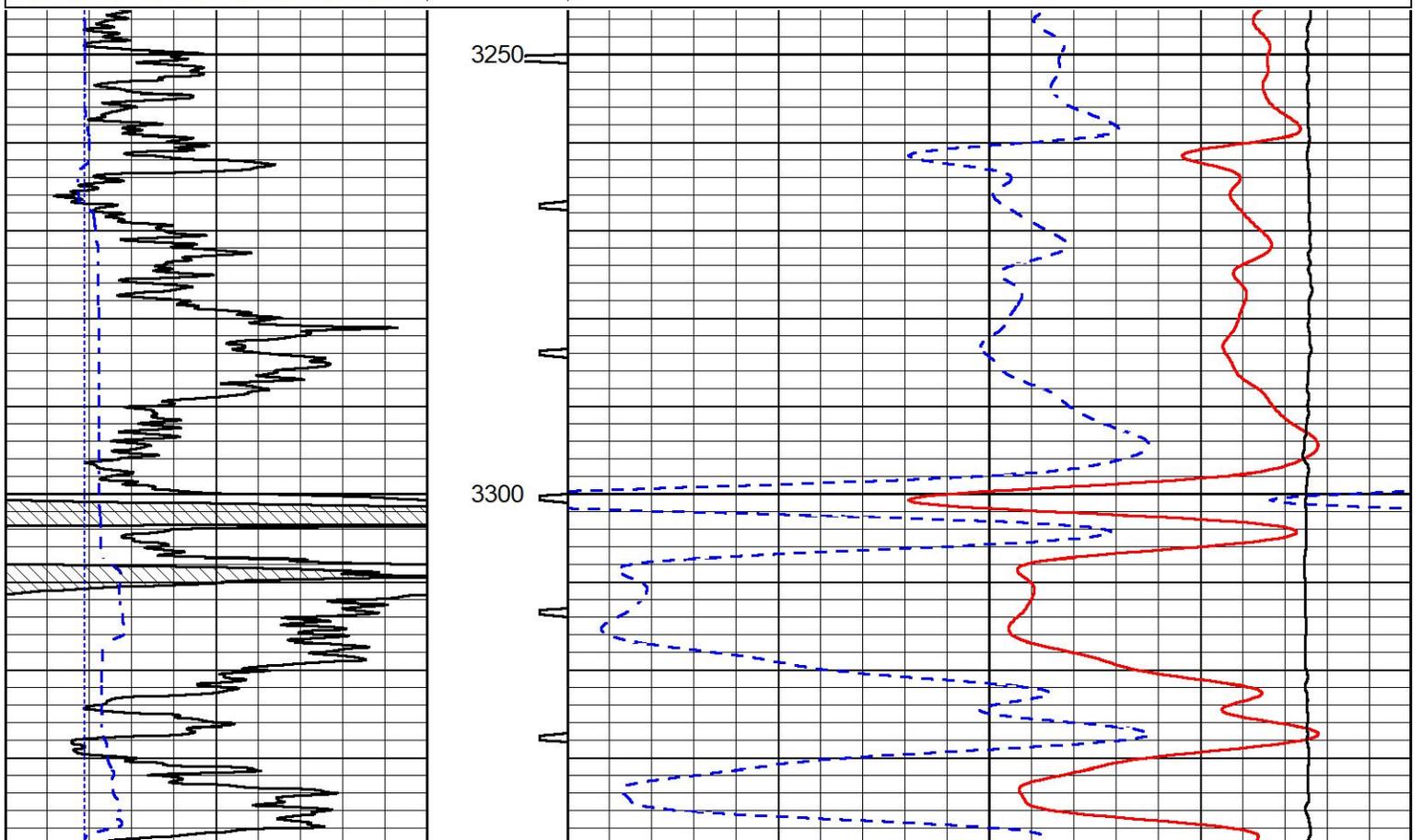
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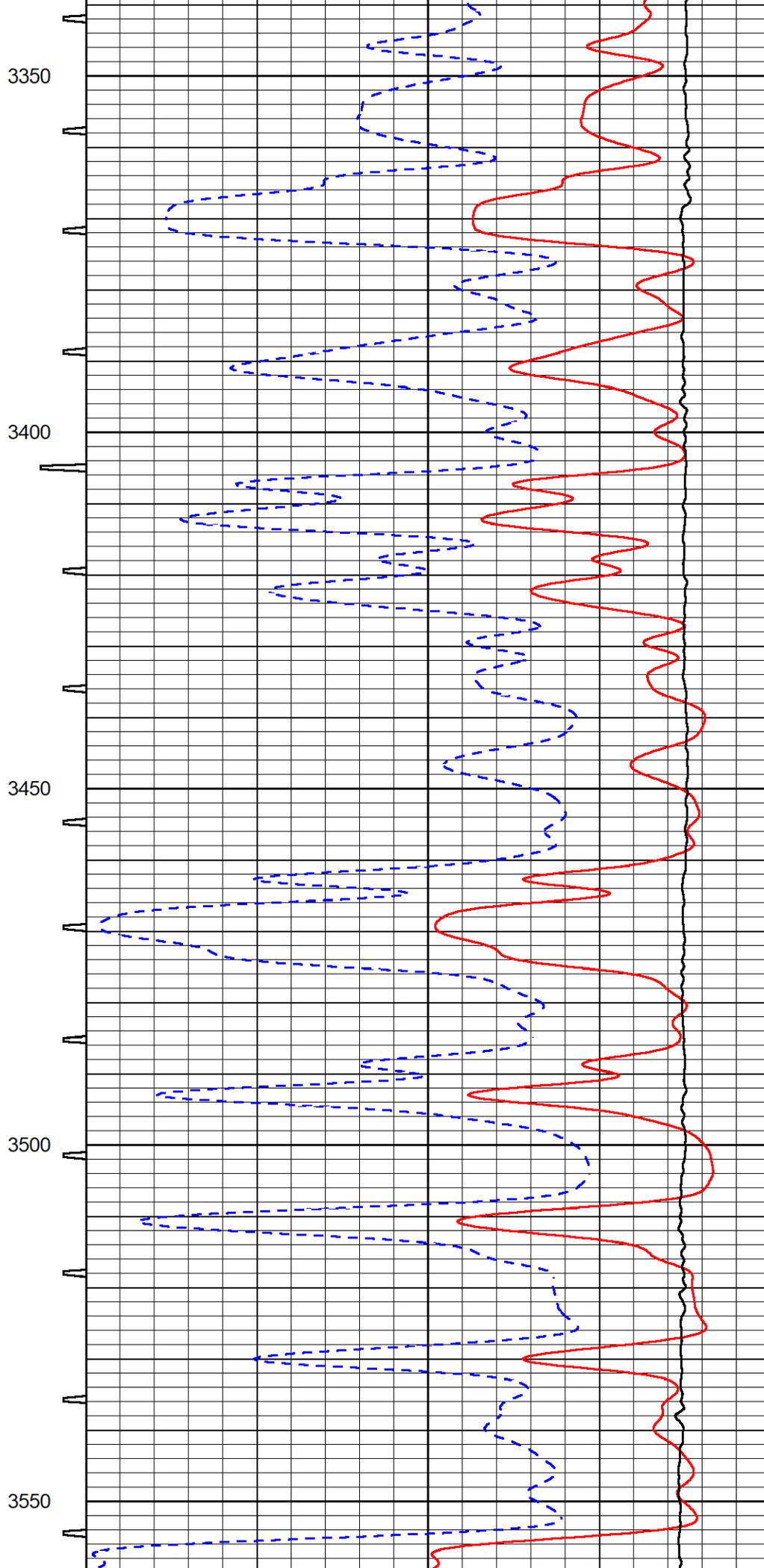
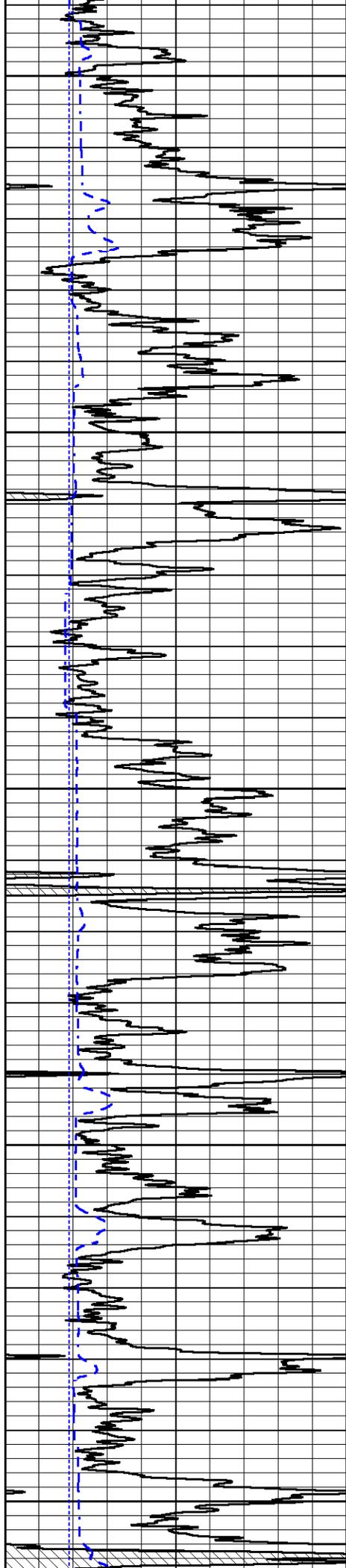
REPEAT SECTION

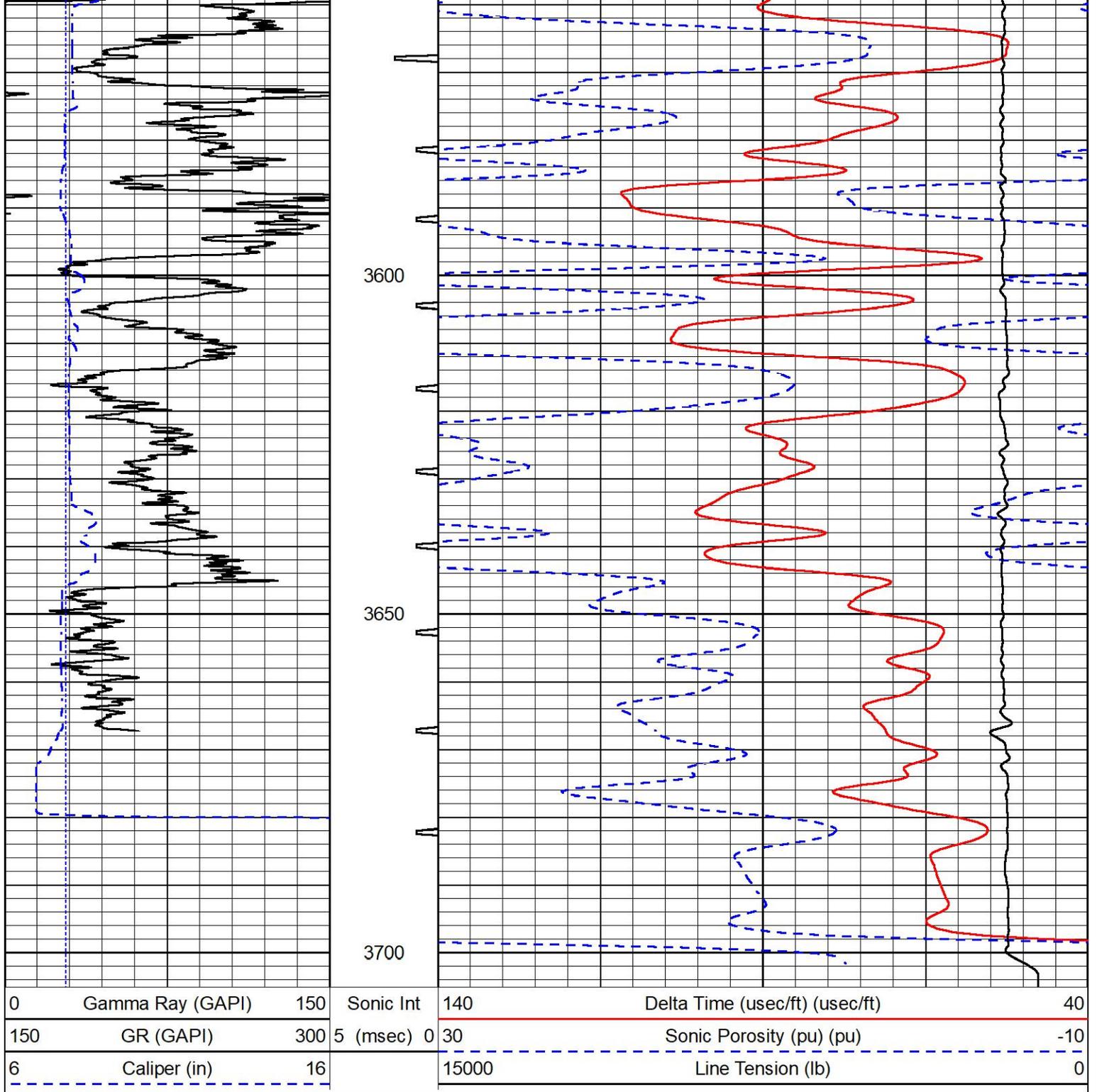
REPEAT PASS

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