

BOREHOLE COMPENSATED SONIC LOG

MIDWEST WIRELINE

Company ARP Operating LLC
Well Hudson #1-15
Field Unnamed
County Ellis
State Kansas

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Well Hudson #1-15
Field Unnamed
County Ellis
State Kansas

Location: API #: 15-051-27027-00-00

Other Services

SEC 15 TWP 12S RGE 20W
SW SE NW NW
1150 FNL & 950 FWL

CNL/CDL
MEL/DIL

Permanent Datum Ground Level Elevation 2281
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

K.B. 2289
D.F.
G.L. 2281

Date 3/13/2022

Run Number Two

Type Log BHCS

Depth Driller 4096

Depth Logger 4094

Bottom Logged Interval 4082

Top Logged Interval 200

Type Fluid In Hole Chemical

Salinity, PPM CL 4000

Density 9.0

Level Full

Max. Rec. Temp. F 117

Operating Rig Time 4 Hours

Equipment -- Location P-24 Hays

Recorded By T. Martin

Witnessed By Sean Deenihan

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	224	8.625	23	00	224
Two	7.875	224	TD				

<<< Fold Here >>>

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, KS, 5 N, E into

Log Measured From: Kelly Bushing 8 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Sean Deenihan
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)
MCAL MI MN	25.42			ML-GO (0002G)	5.00	3.50	100.00
	25.42						
	25.42						
				CENT-PENGO (4-PENGO)	4.25	3.00	70.00
WVF4 WVF1	12.50 12.50			SLT-PENGO (603)	15.92	3.50	300.00
WVF3 WVF2	10.50 10.50						
				CENT-PENGO (3-PENGO)	4.25	3.00	70.00
Dataset: arp_hudson #1-15.db: field/well/SonMel/pass3 Total length: 29.42 ft Total weight: 540.00 lb O.D.: 3.50 in							

Log Variables

DatabaseC:\ProgramData\Warrior\Data\arp_hudson #1-15.db
Dataset field/well/Stack/pass4.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	117	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	80	60		4094

Variable Description

A : Cement Factor (a)
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
M : Cement Exp (m)
MATRXDEN : Matrix Density

NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
SNDERR : Deep Sonde Error Correction
SNDERRM : Medium Sonde Error Correction
SPSHIFT : S.P. Baseline Offset
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth



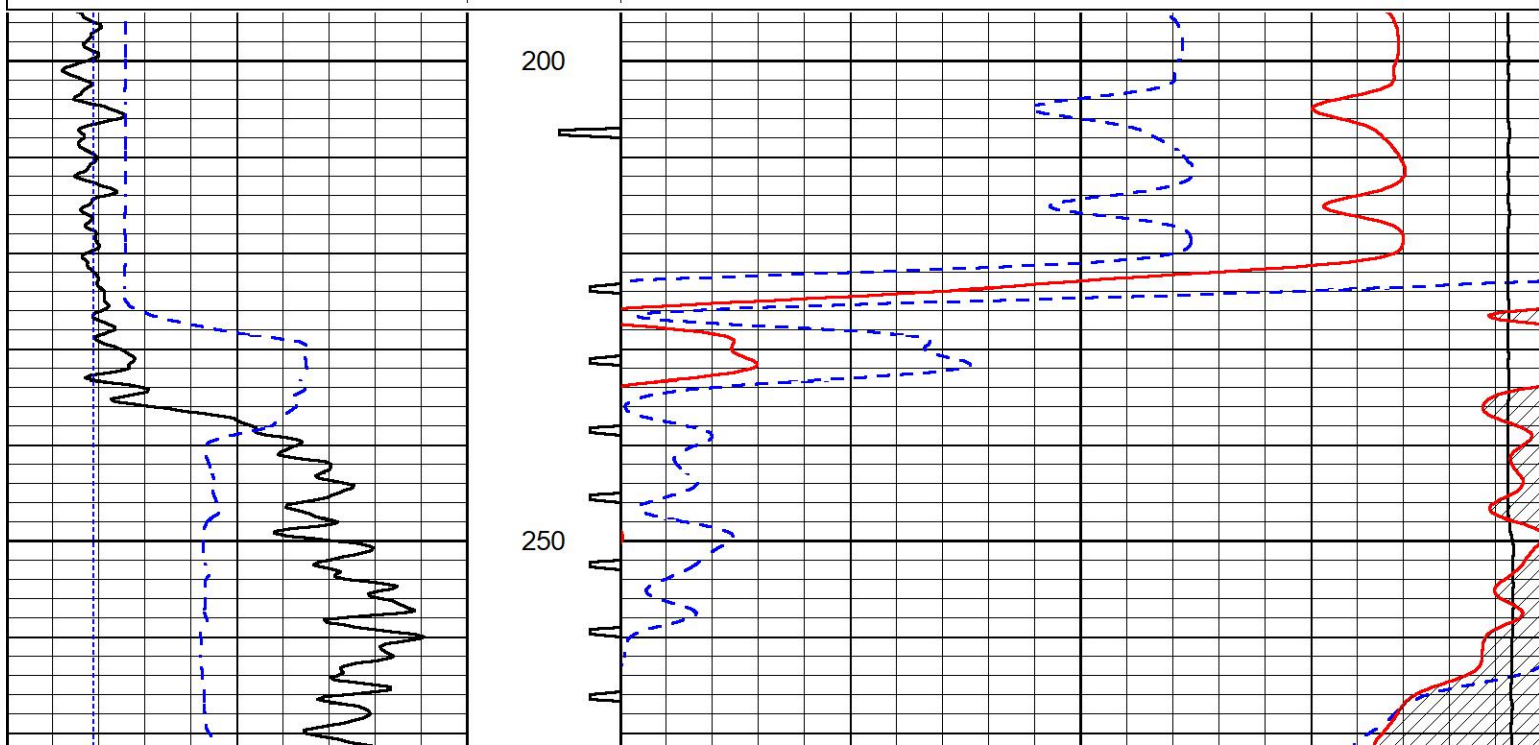
MIDWEST WIRELINE

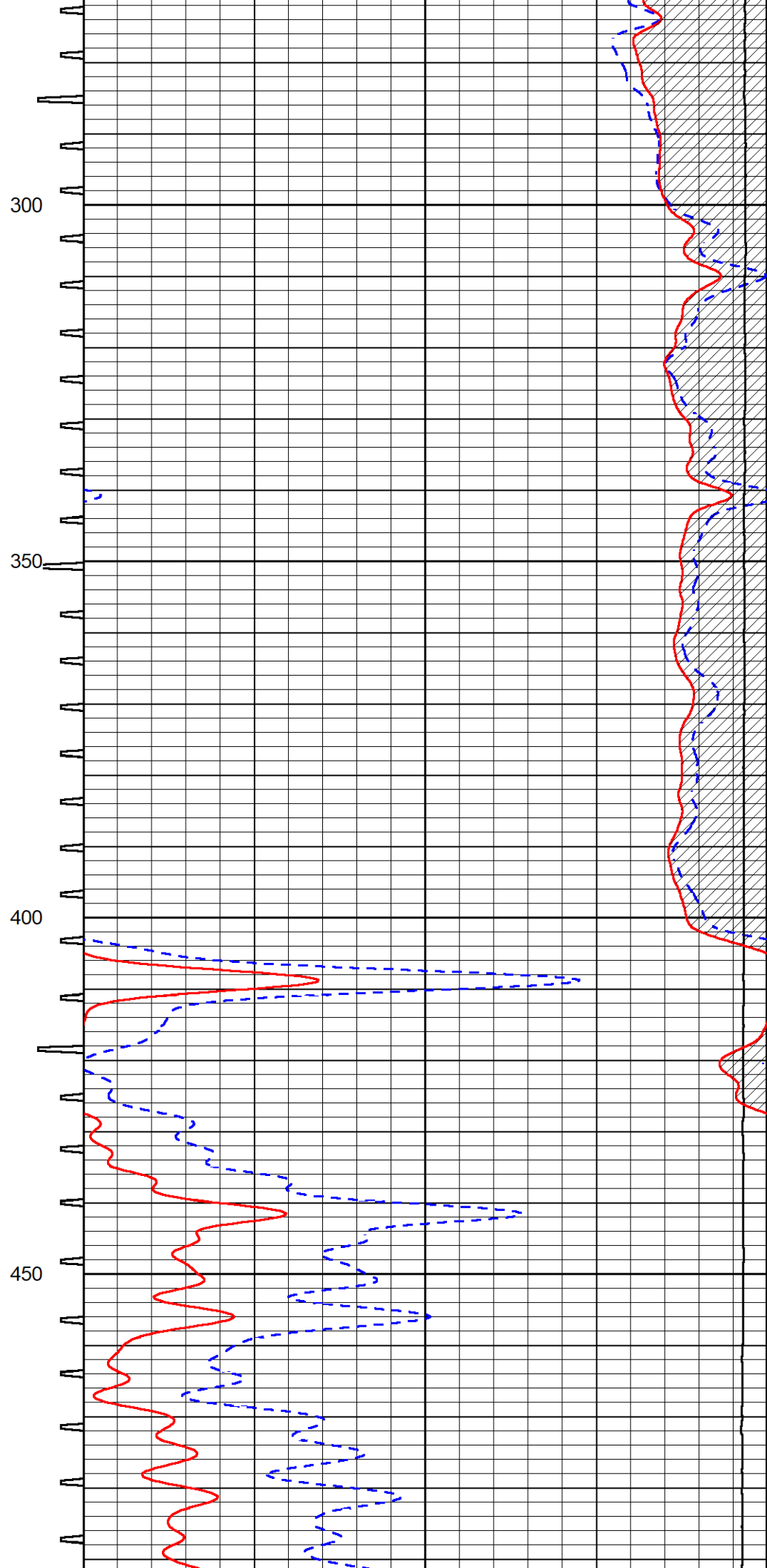
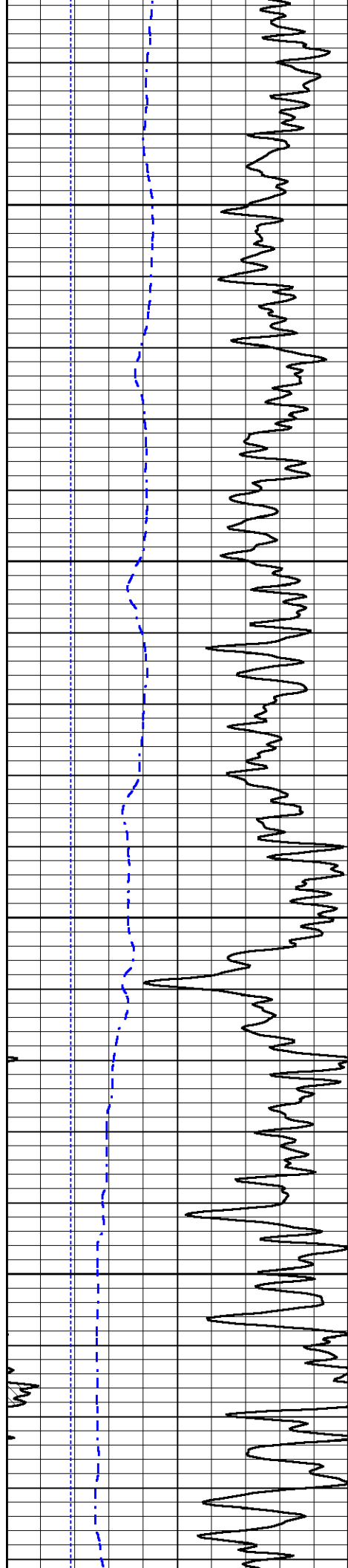
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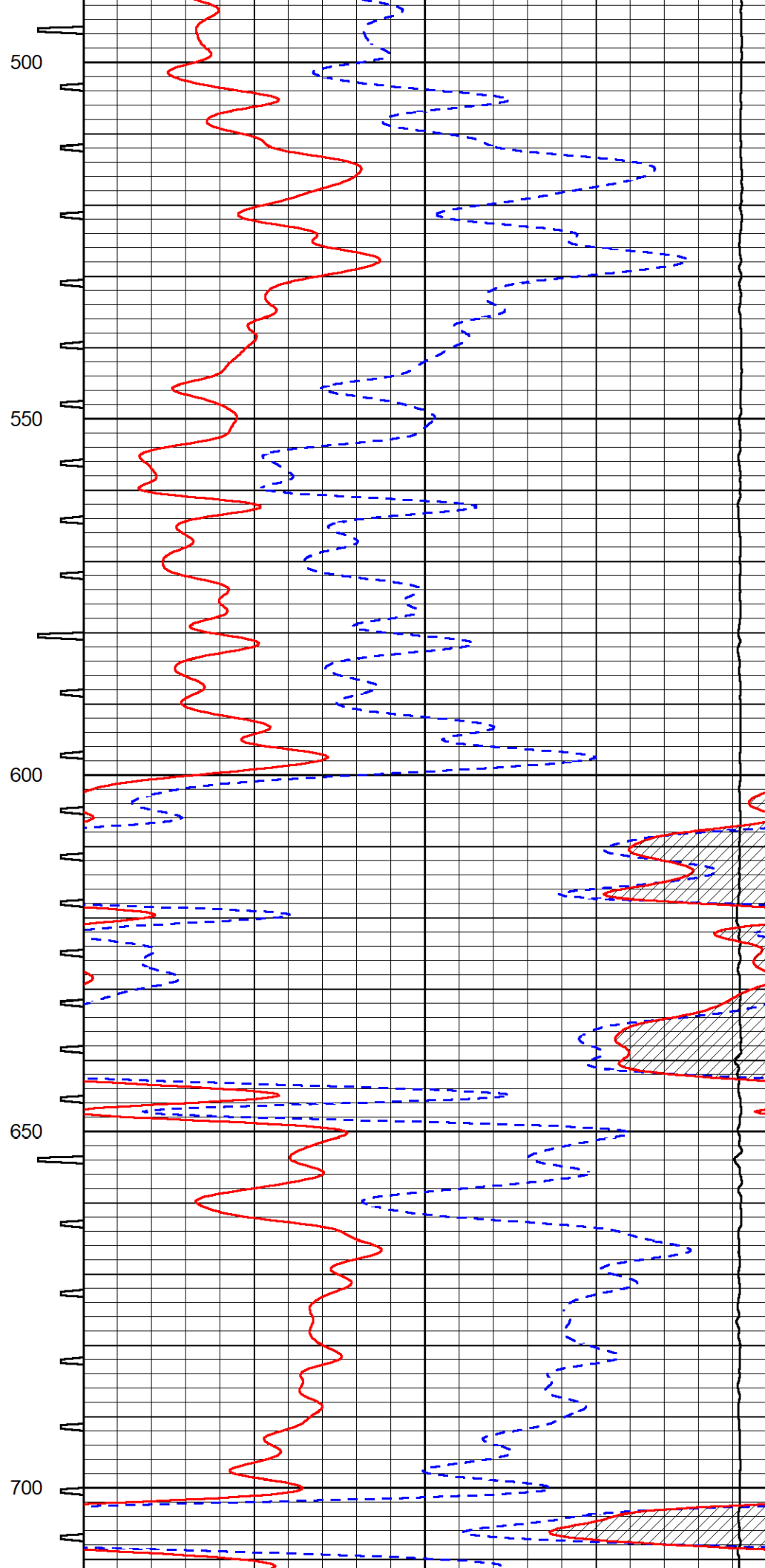
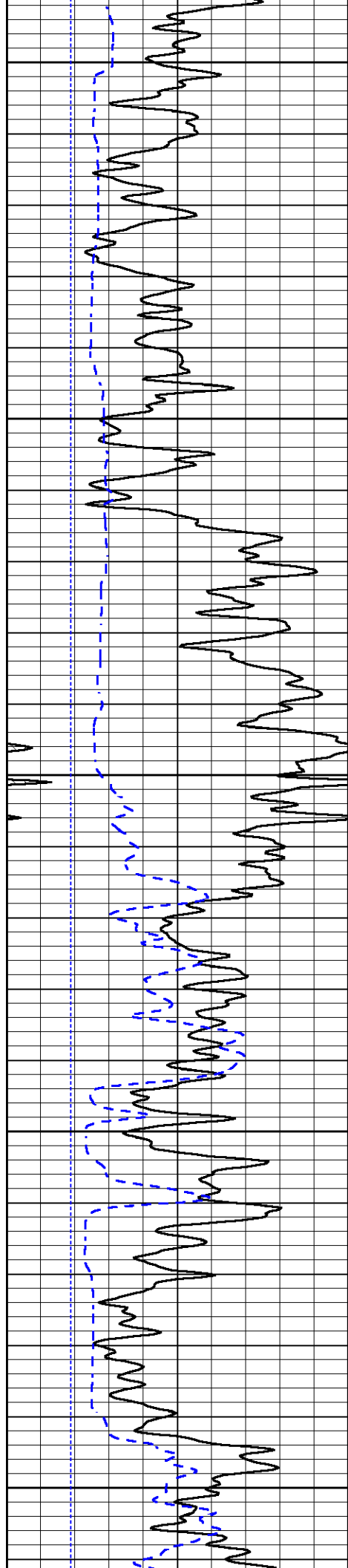
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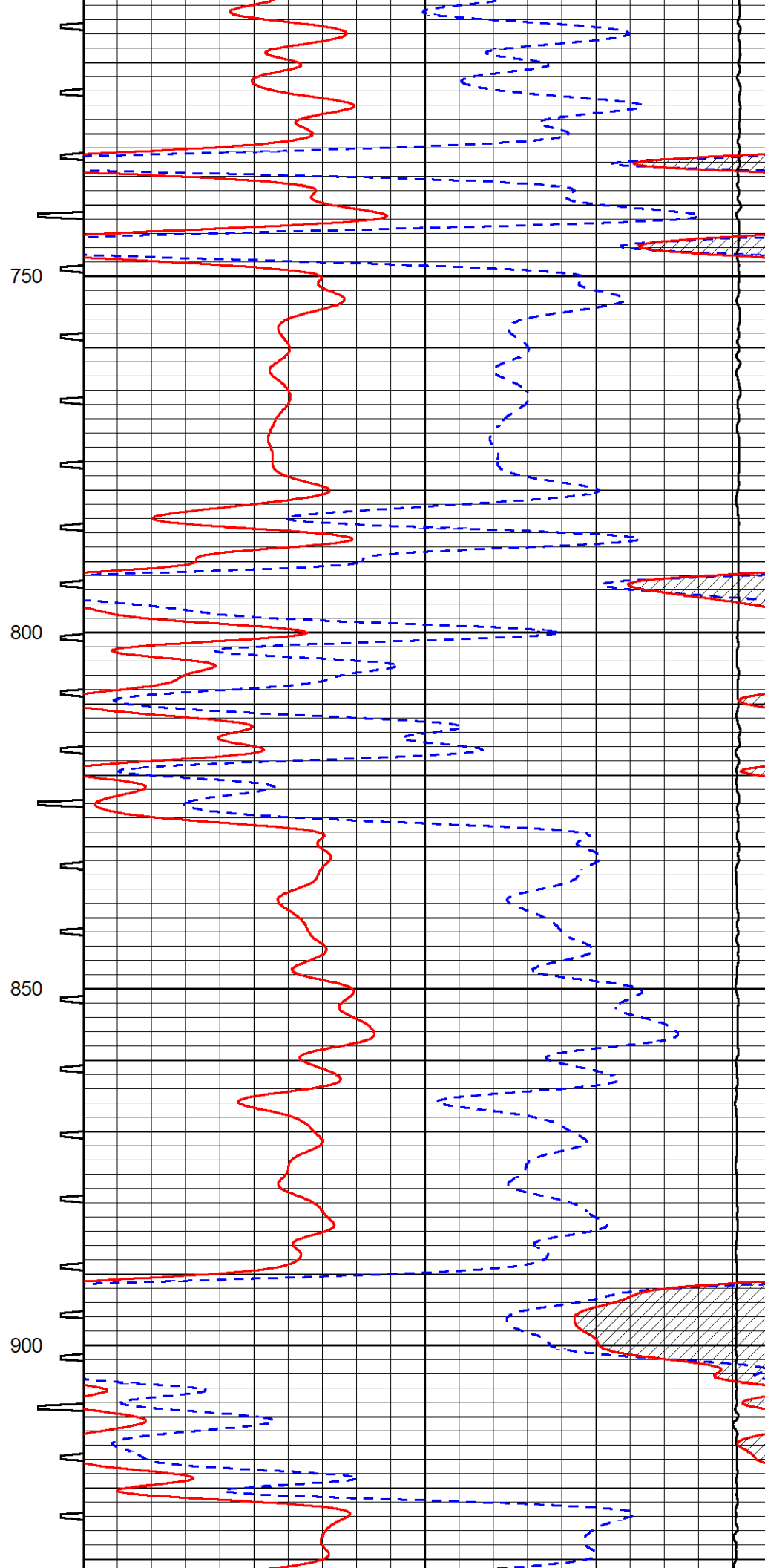
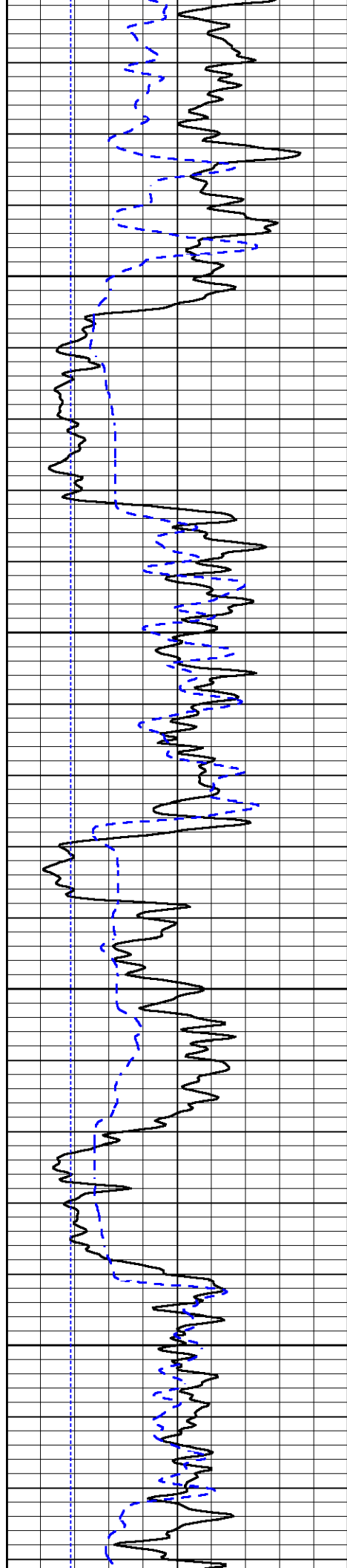
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Dataset Pathname Stack/pass4.1
Presentation Format _sonic
Dataset Creation Sun Mar 13 22:00:59 2022
Charted by Depth in Feet scaled 1:240

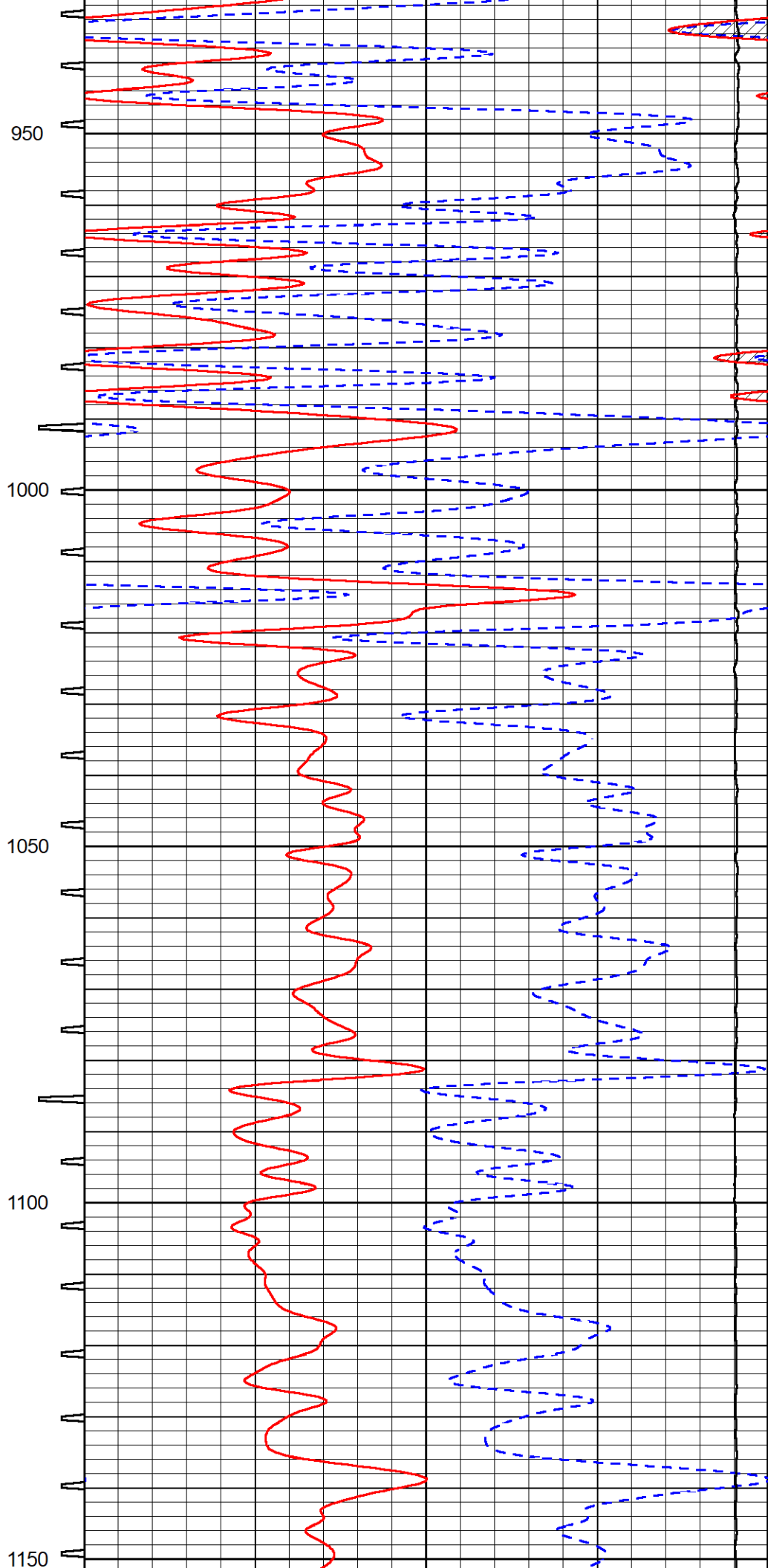
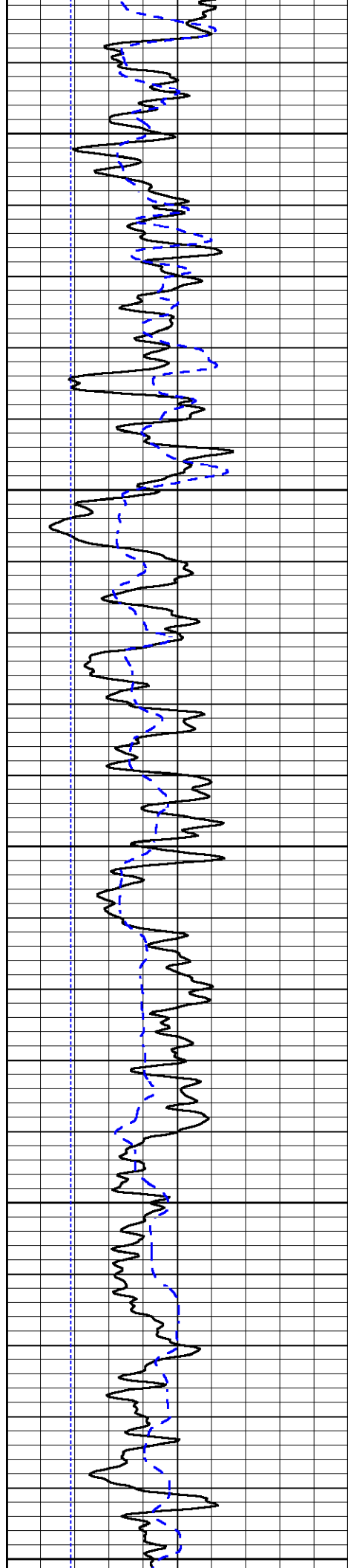
0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	GR (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu) (pu)	-10
6	Caliper (in)	16		15000	Line Tension (lb)	0

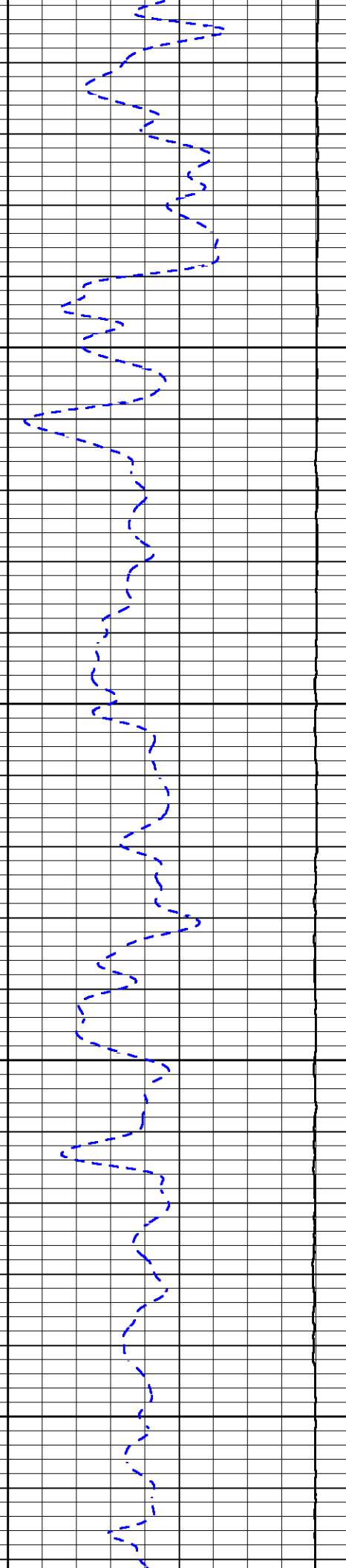
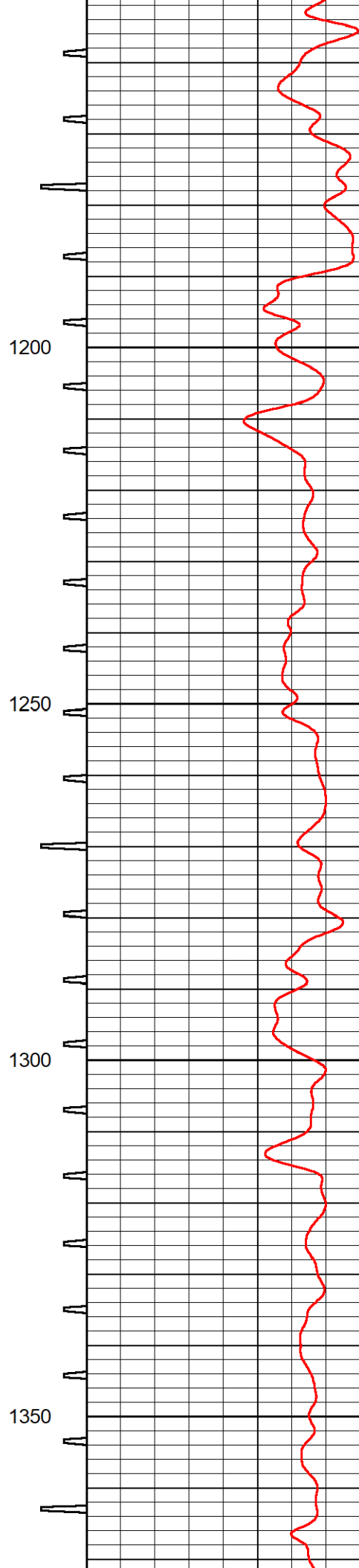
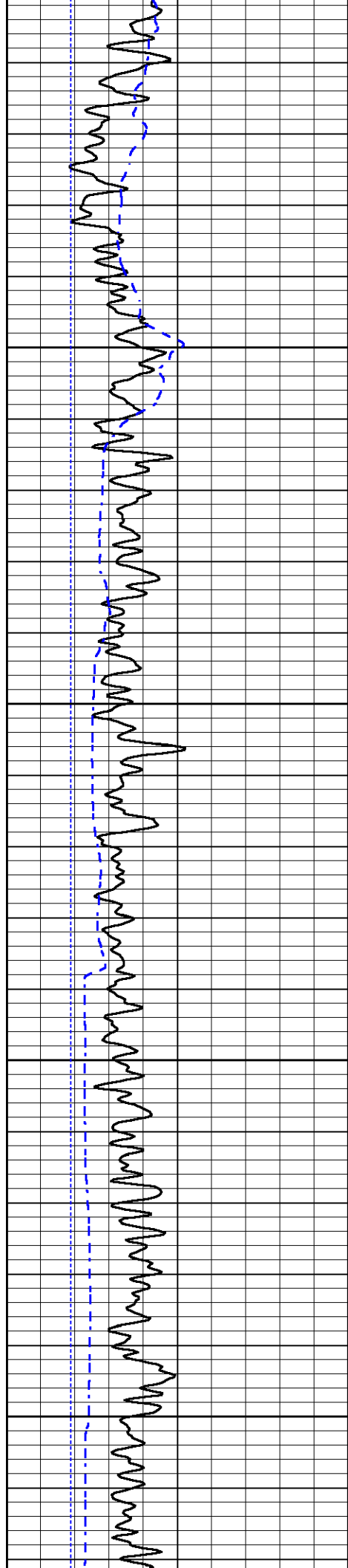


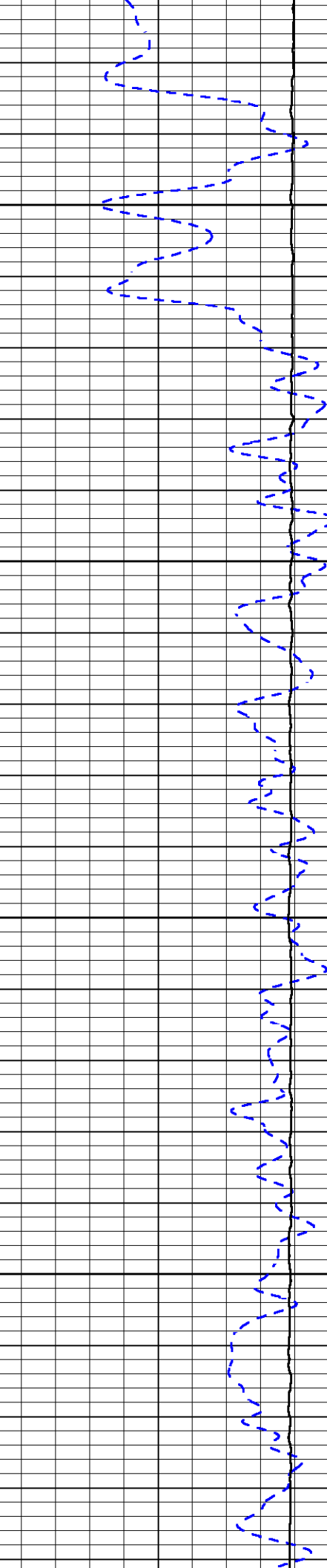
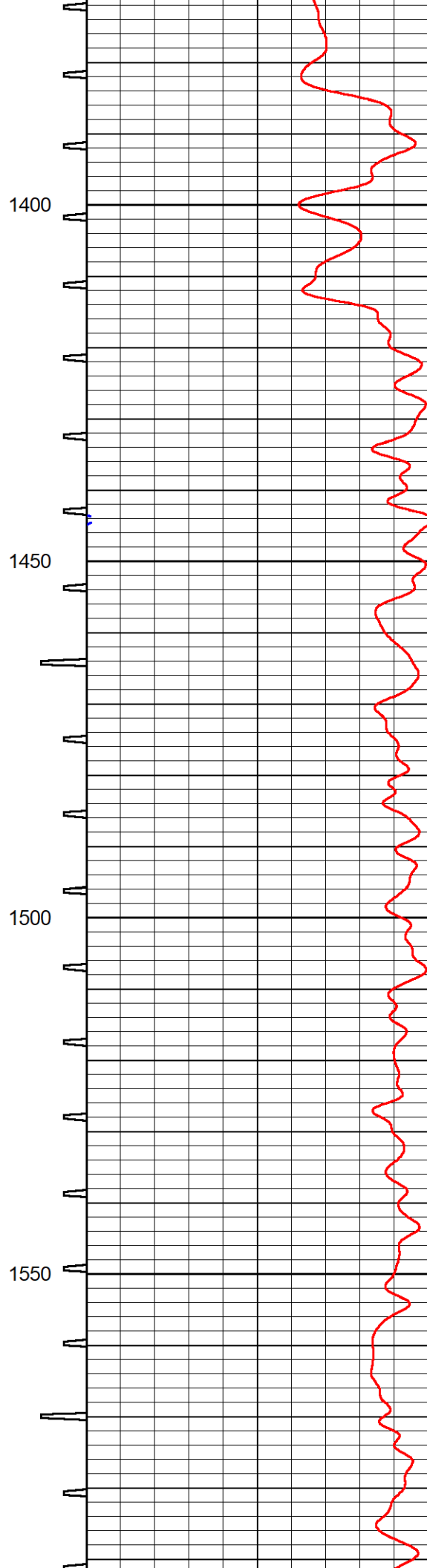
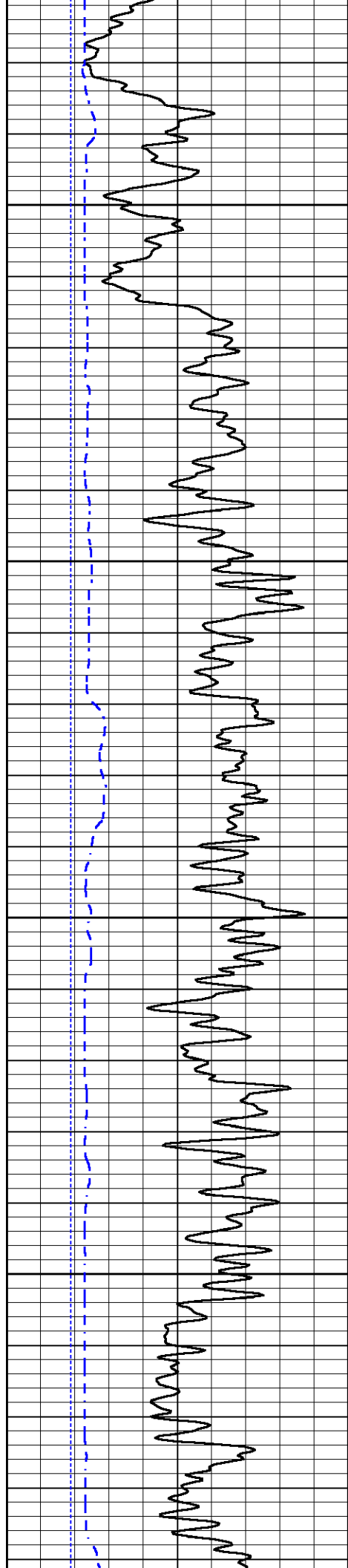


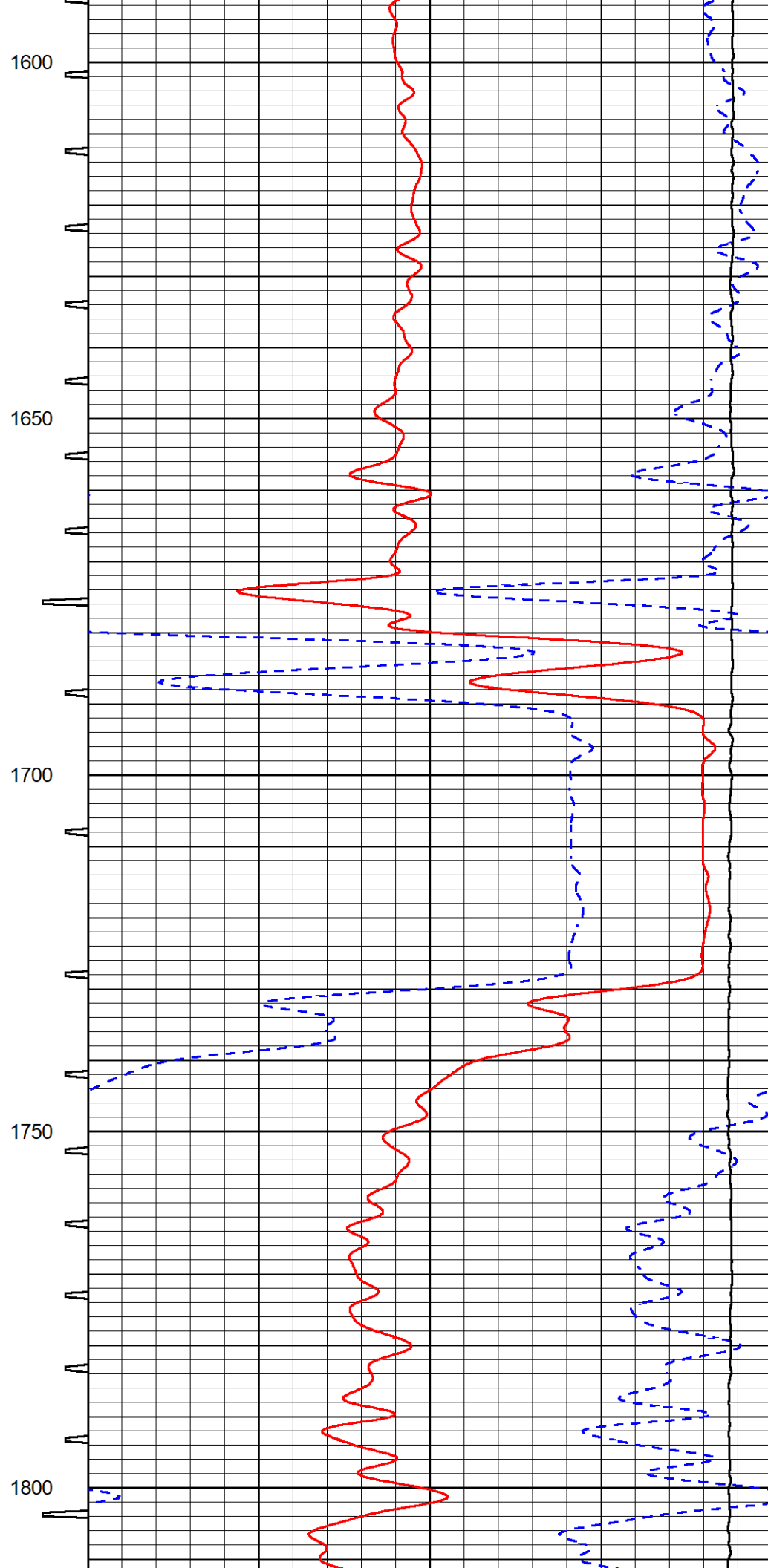
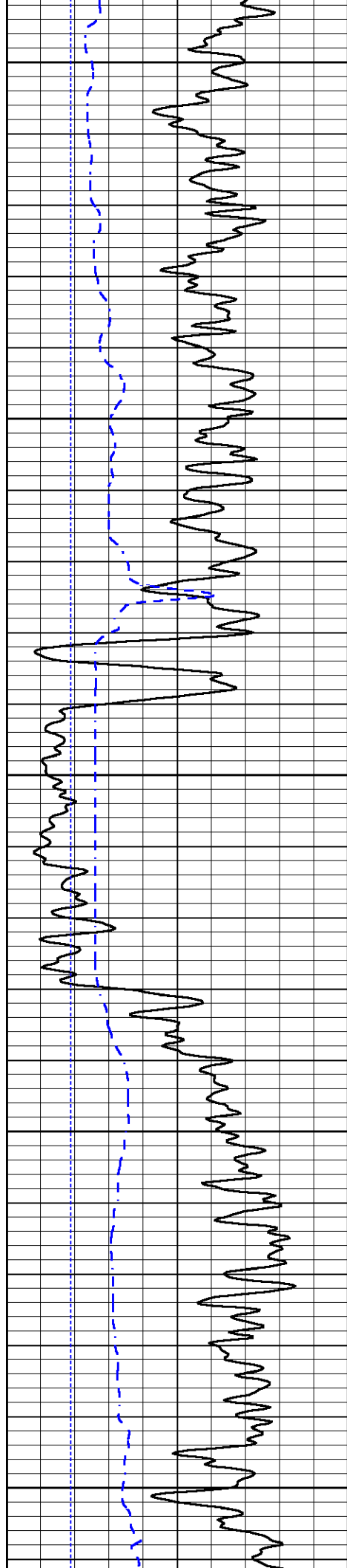


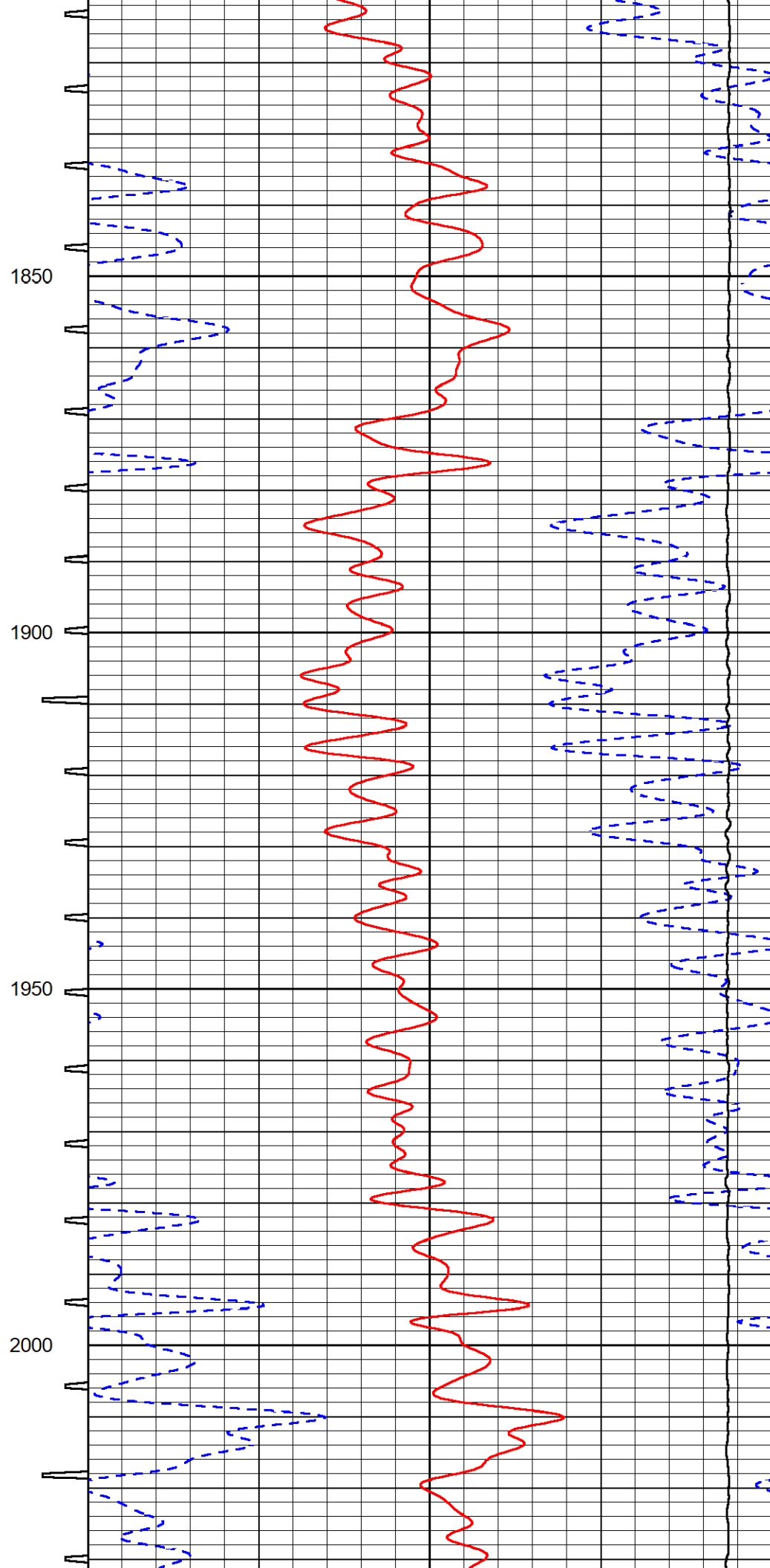
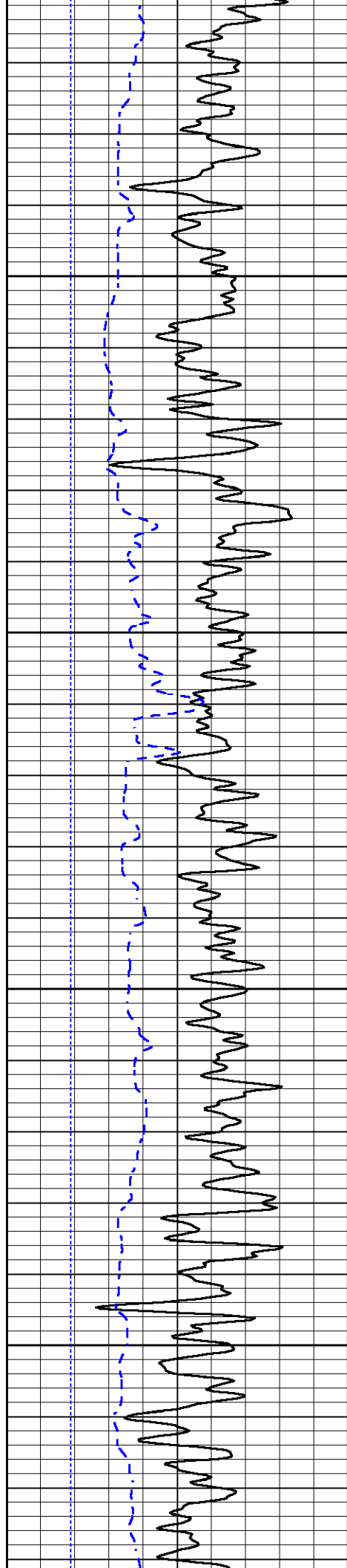


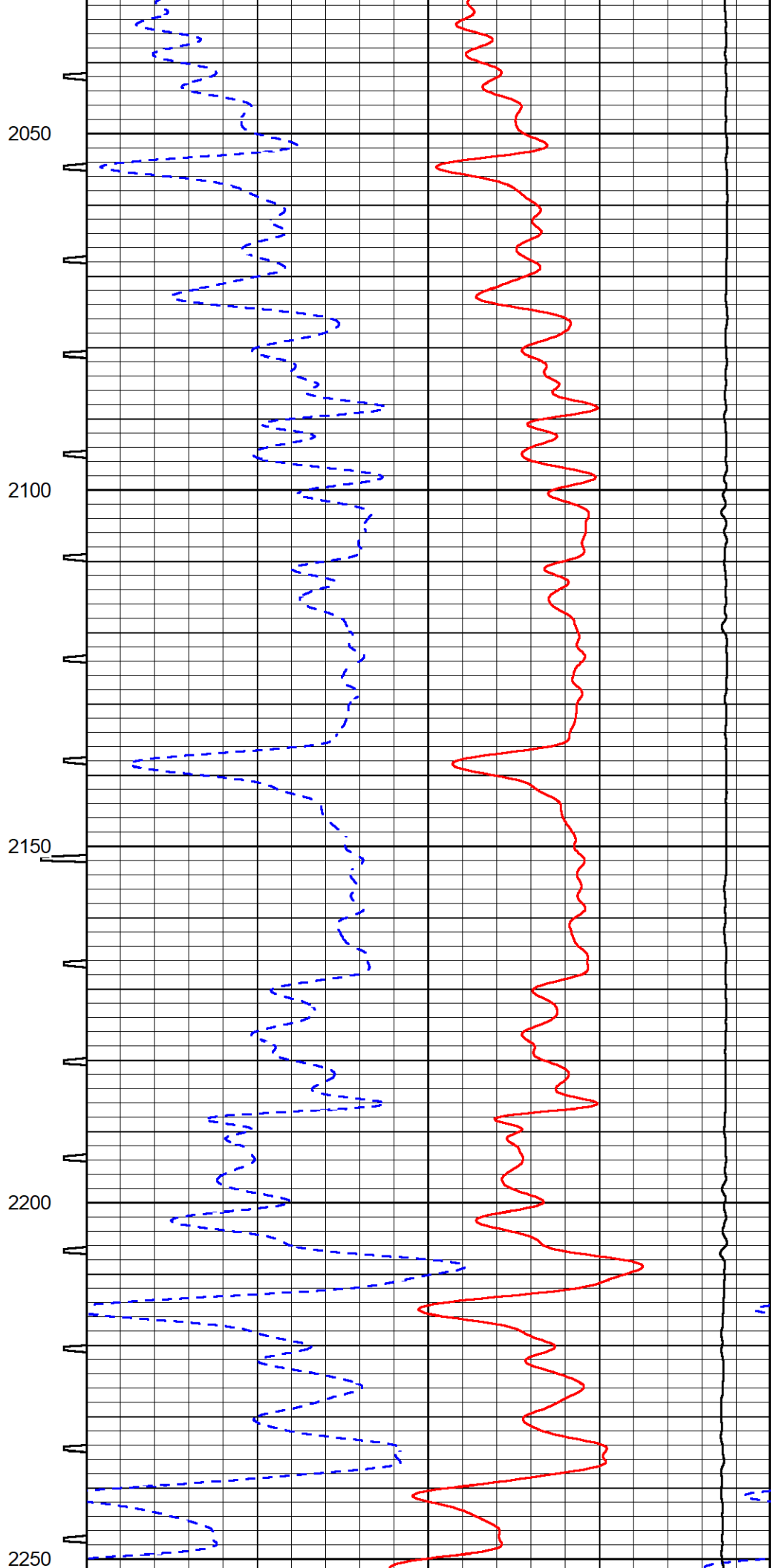
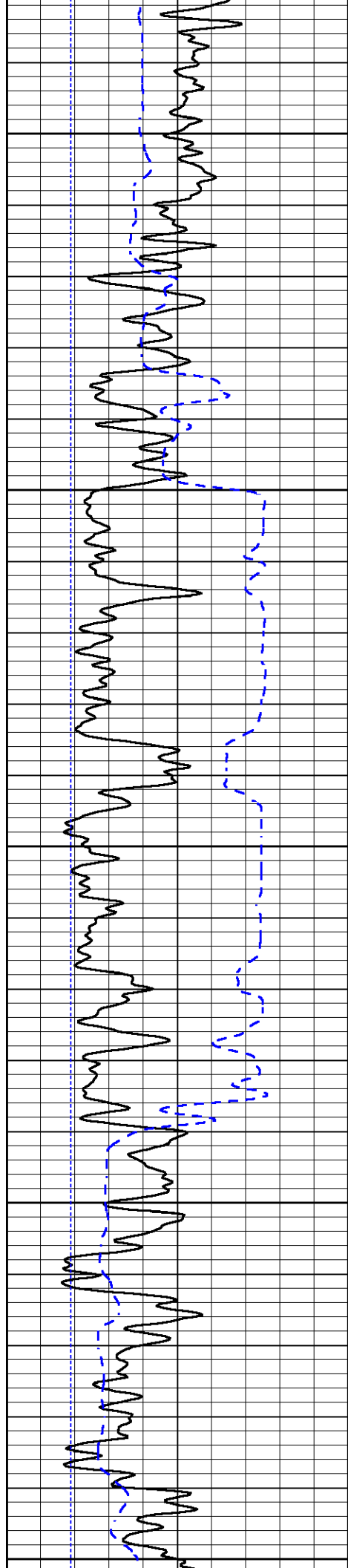


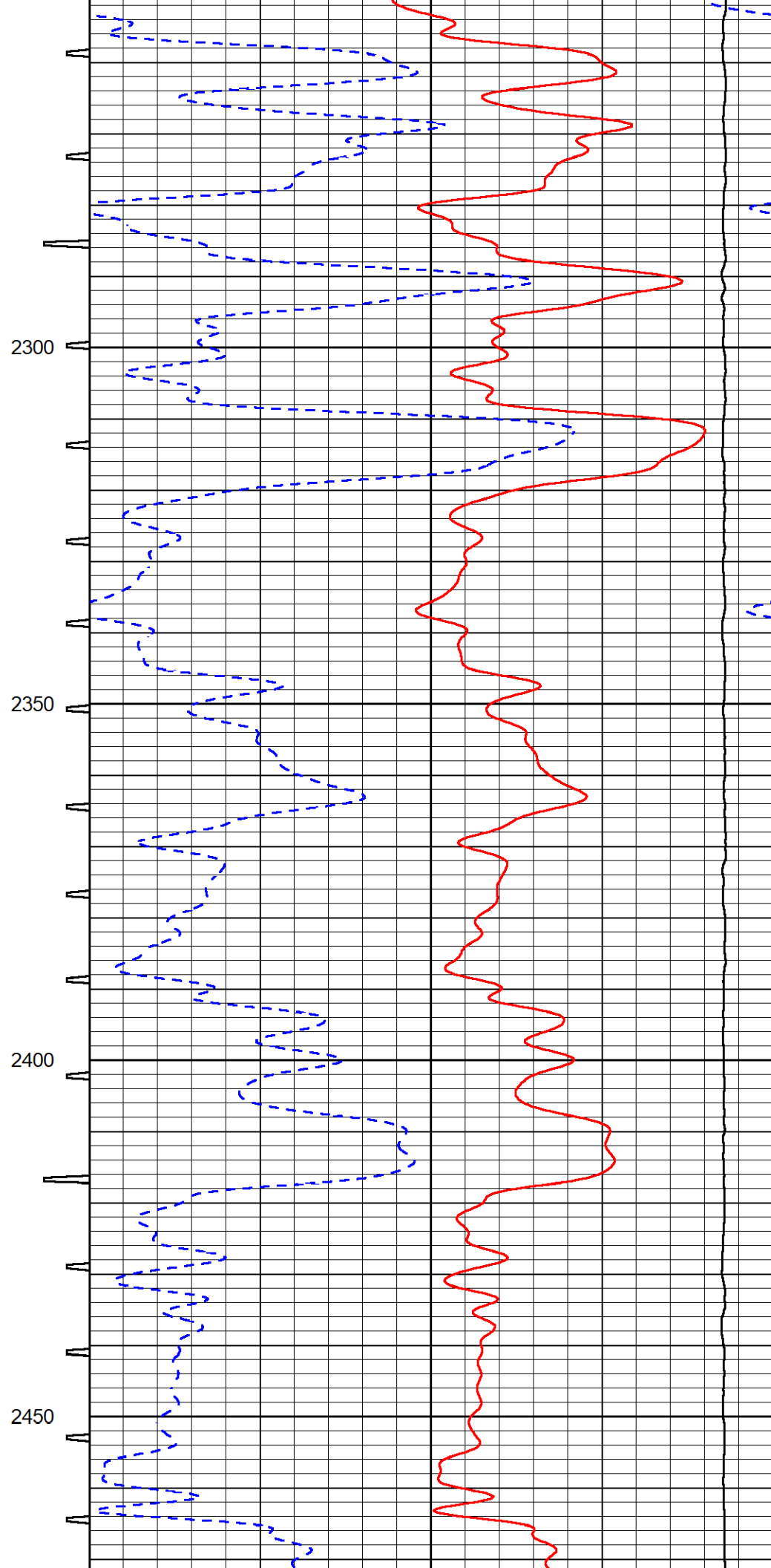
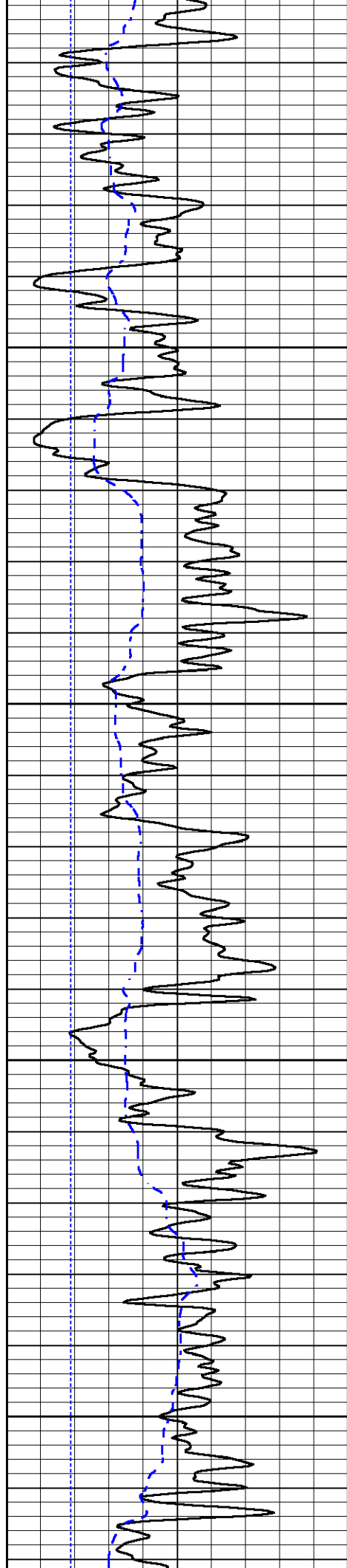


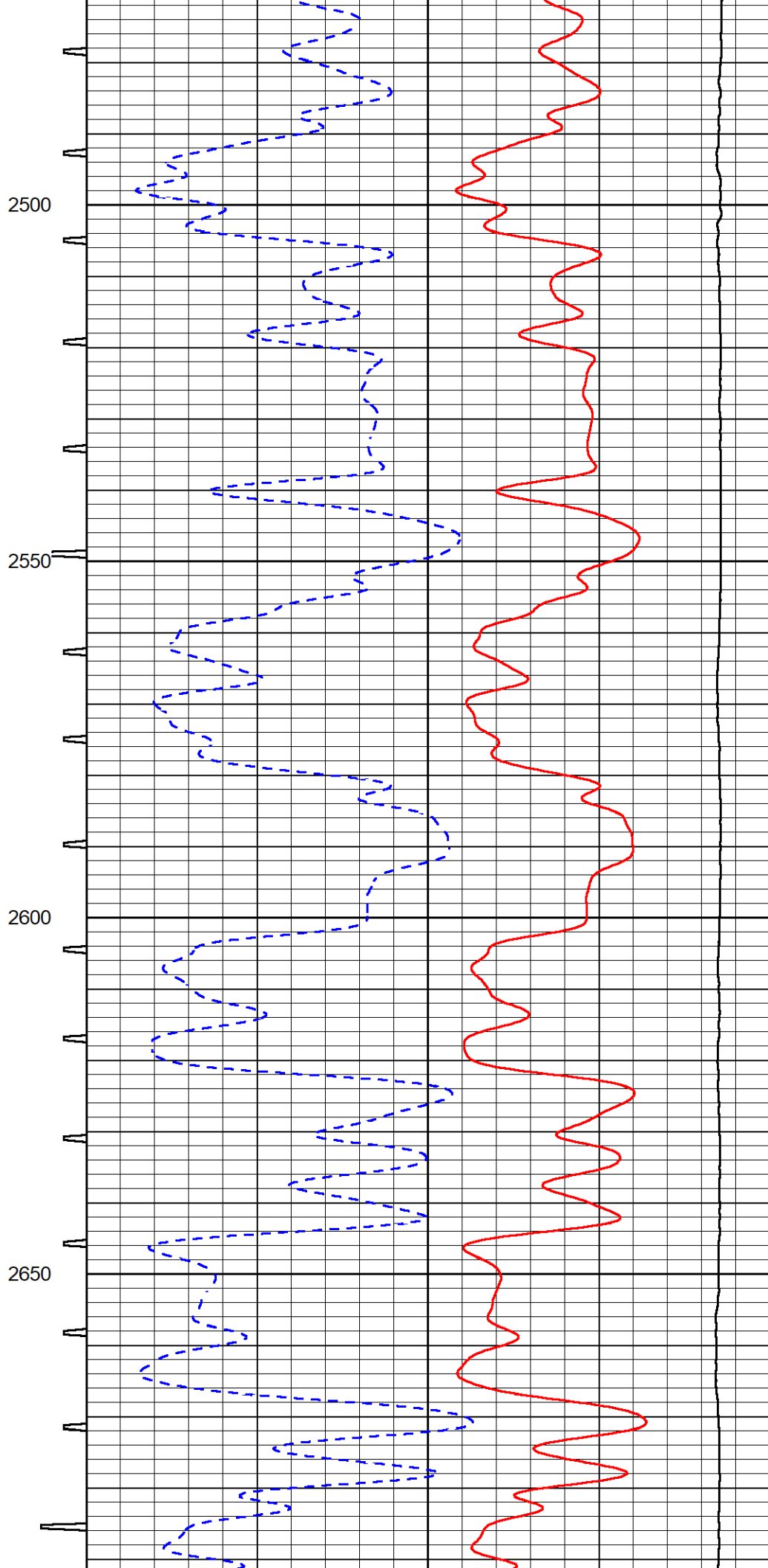
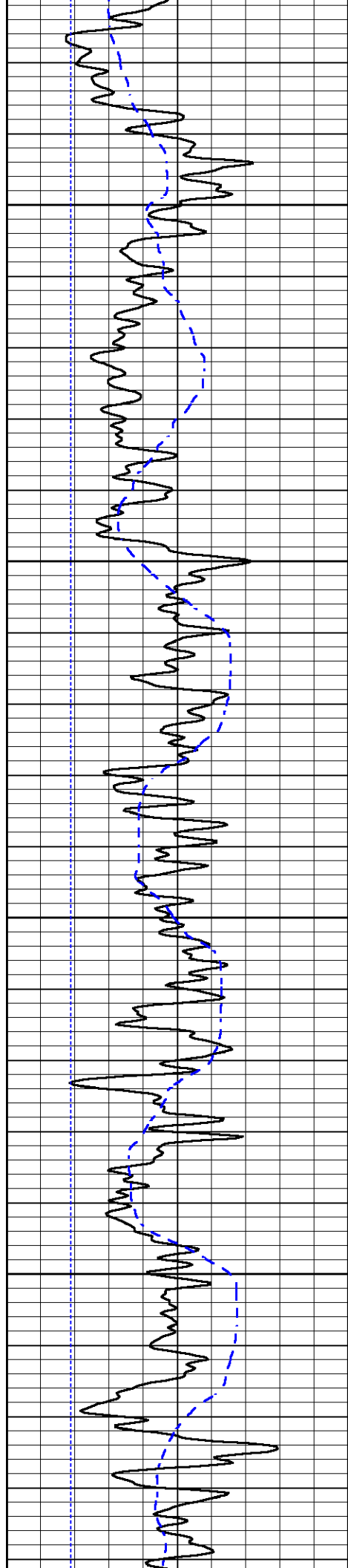


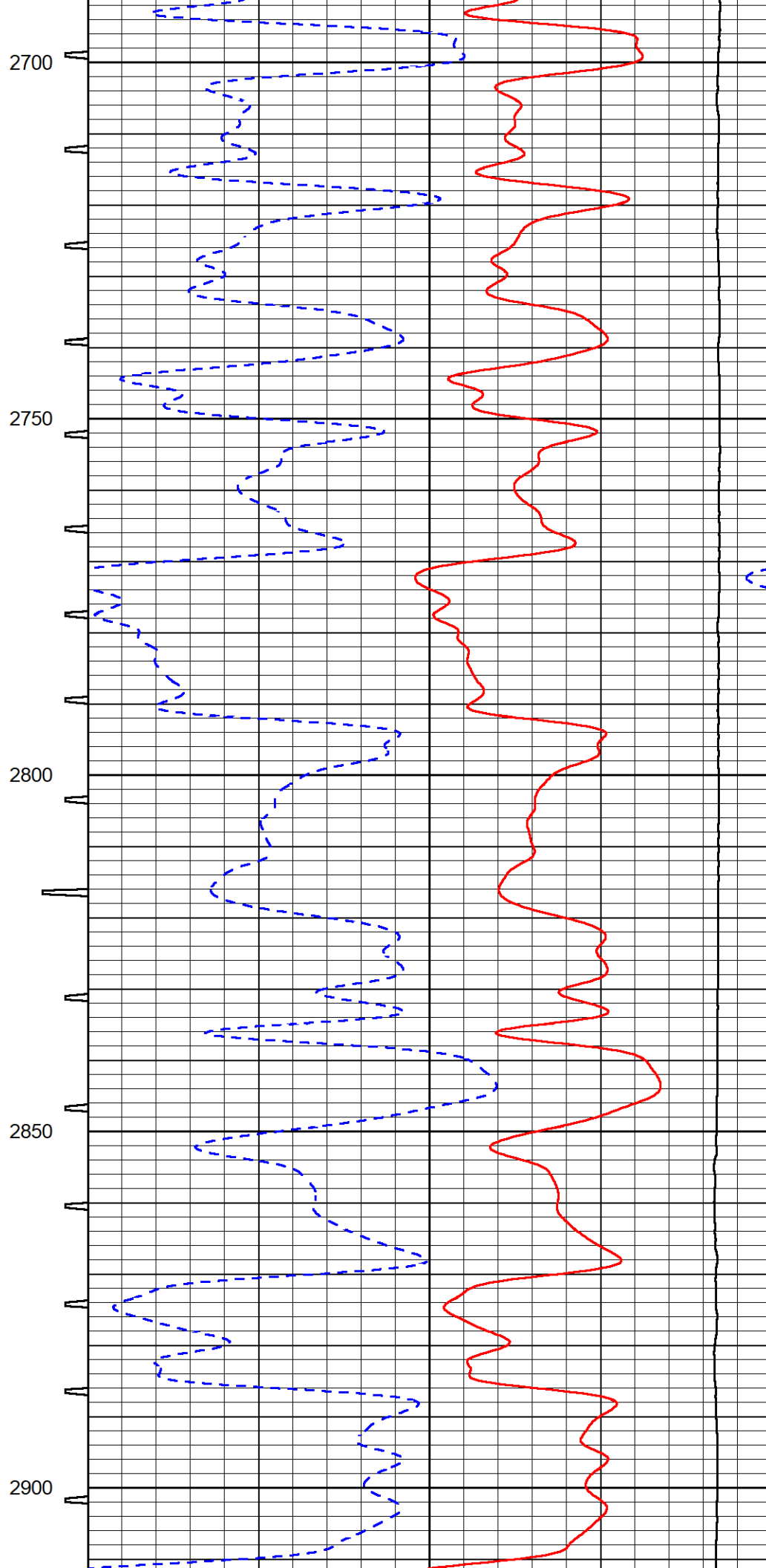
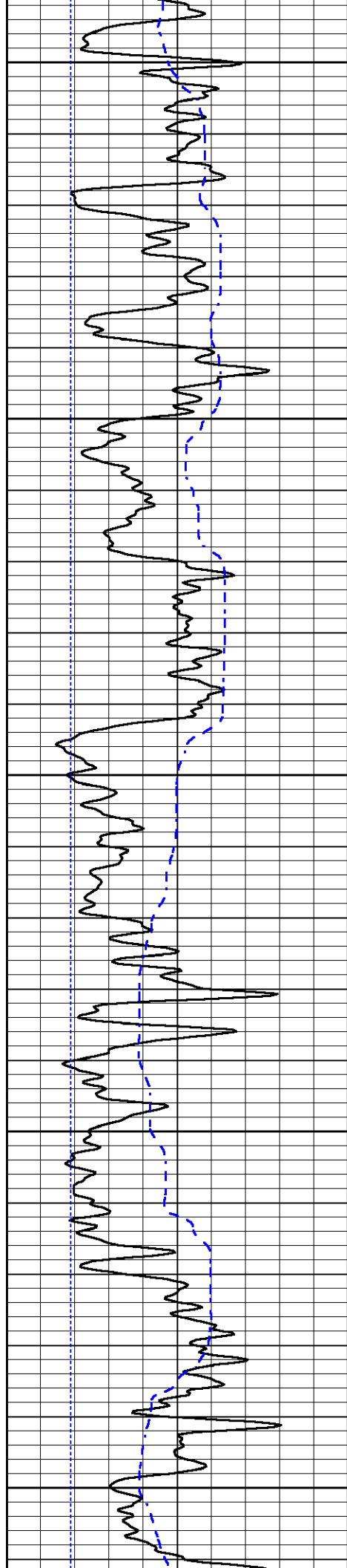


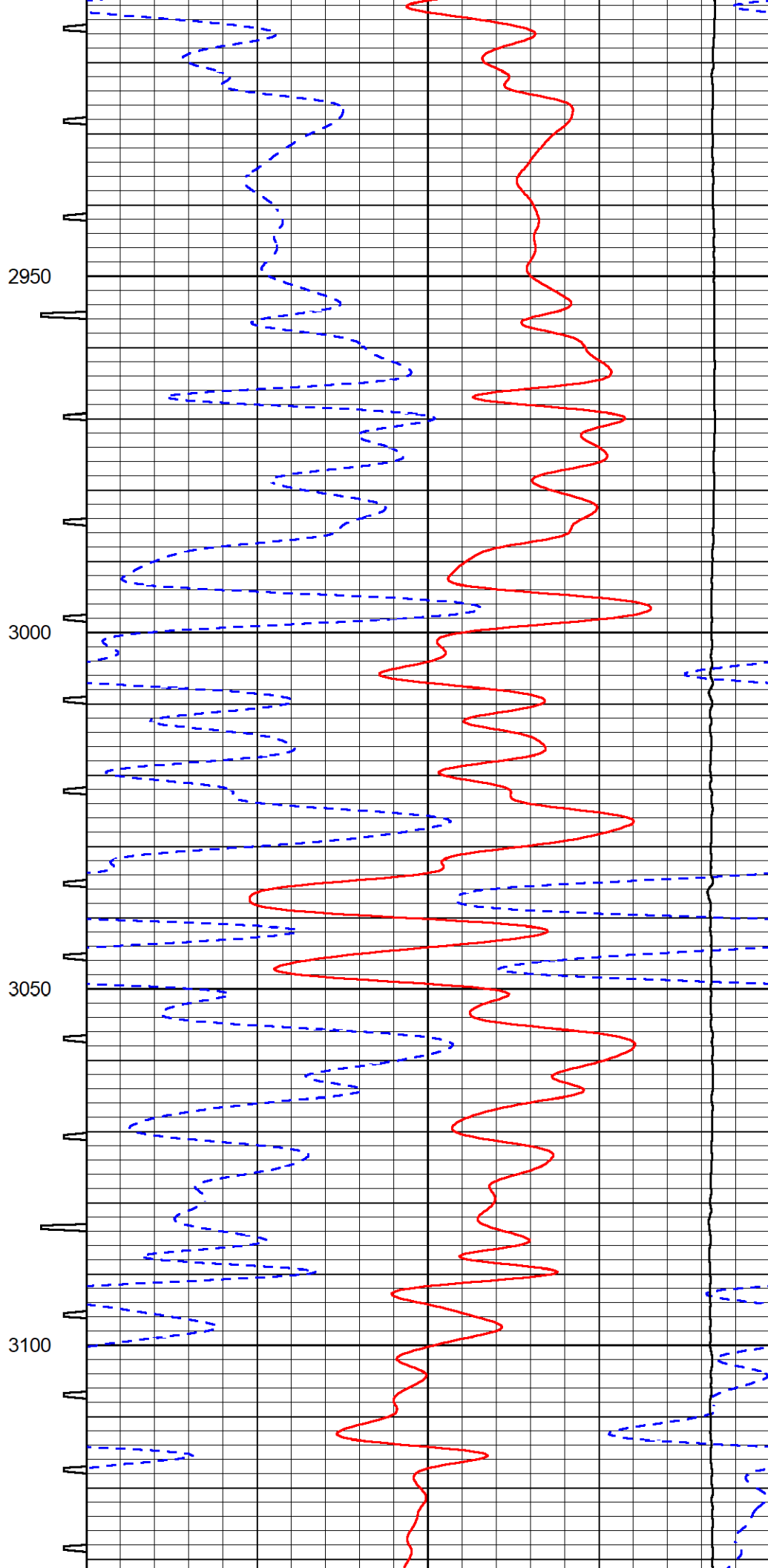
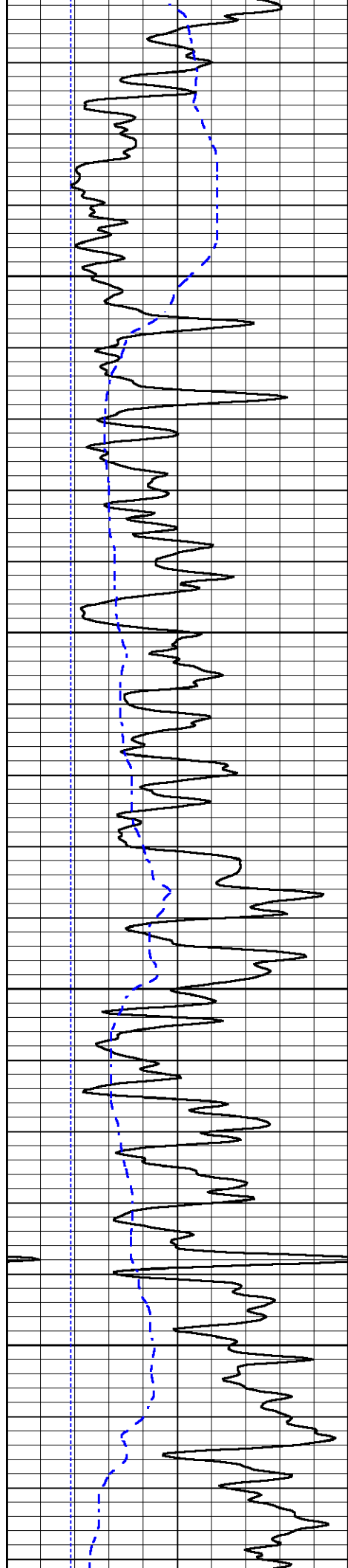


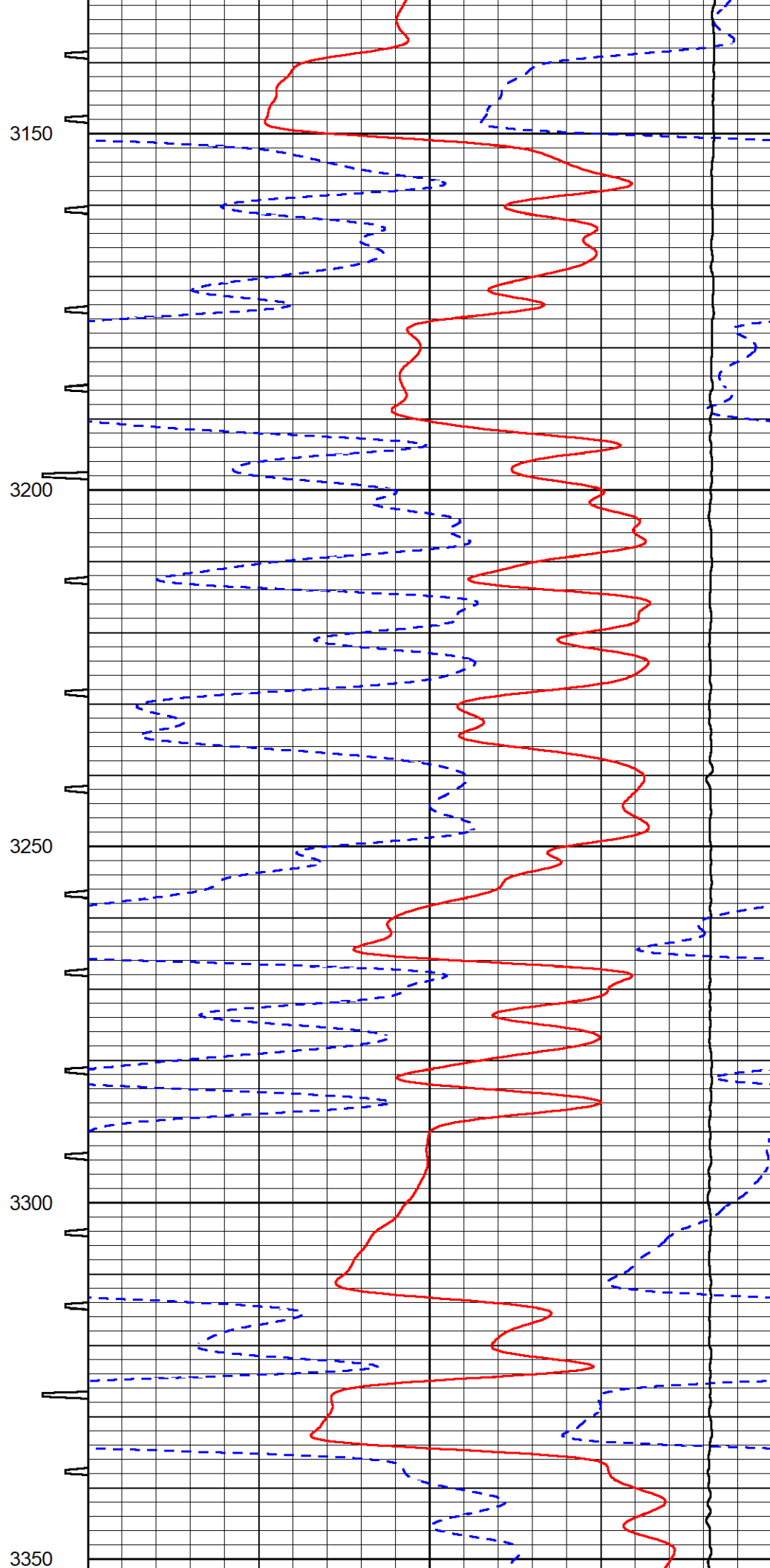
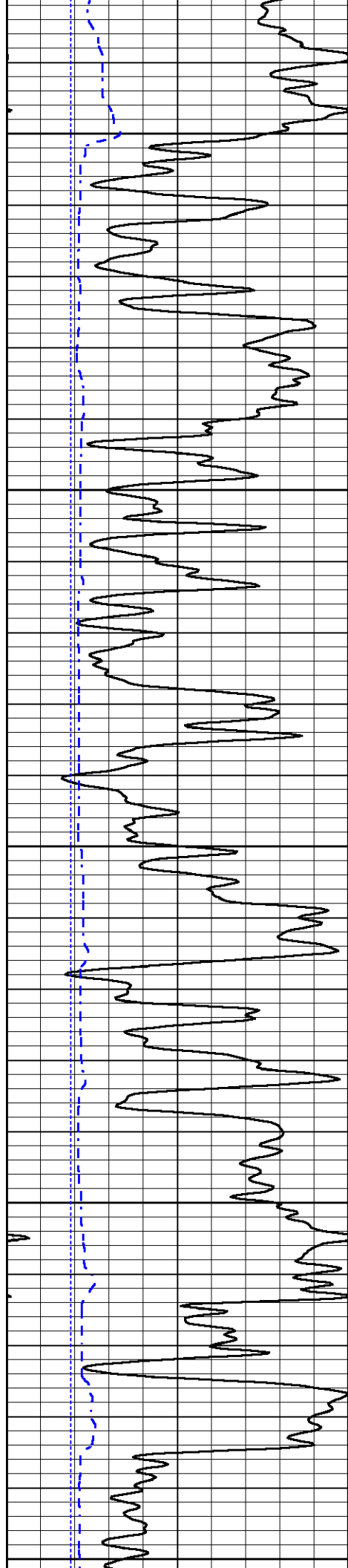


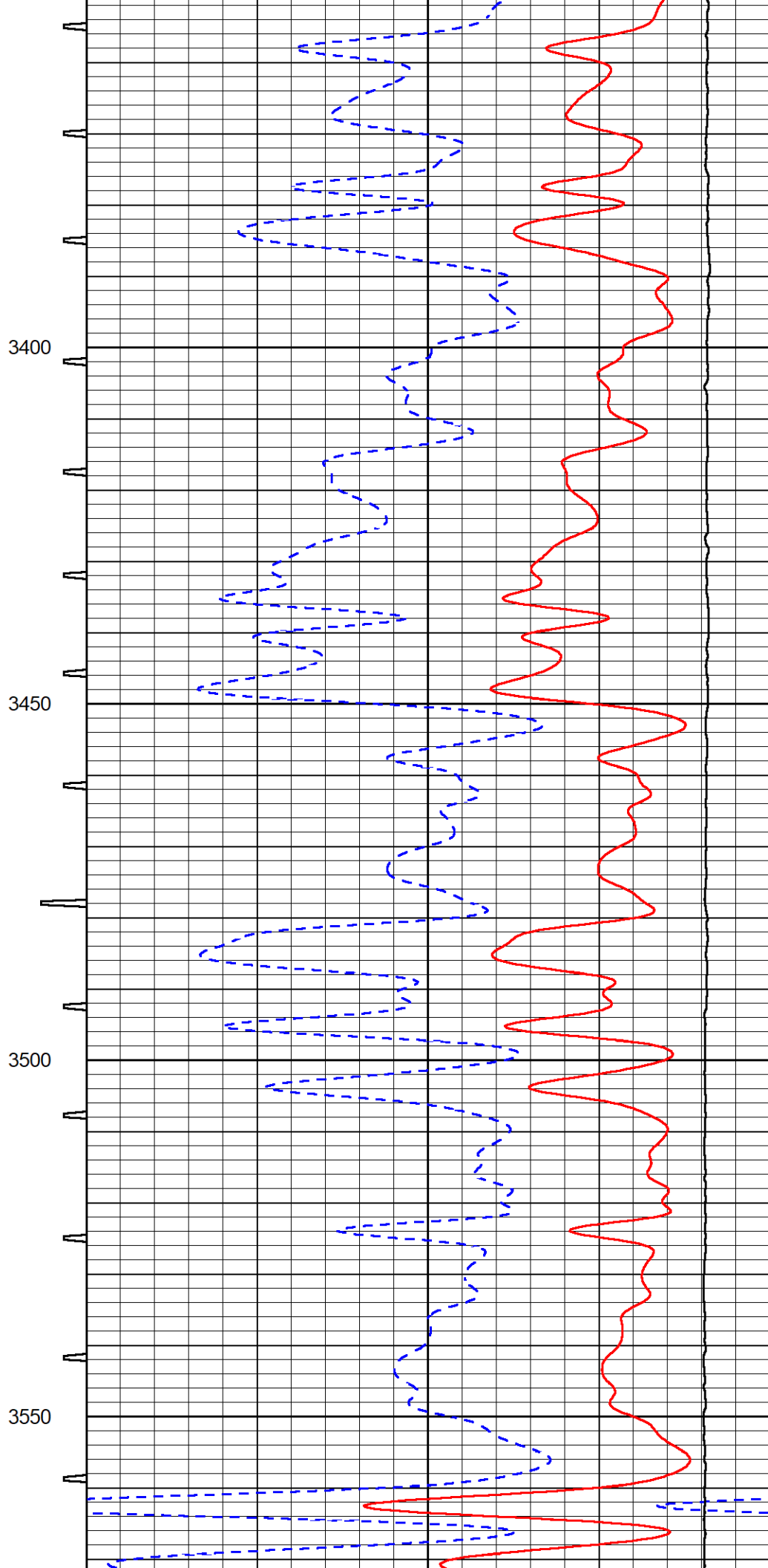
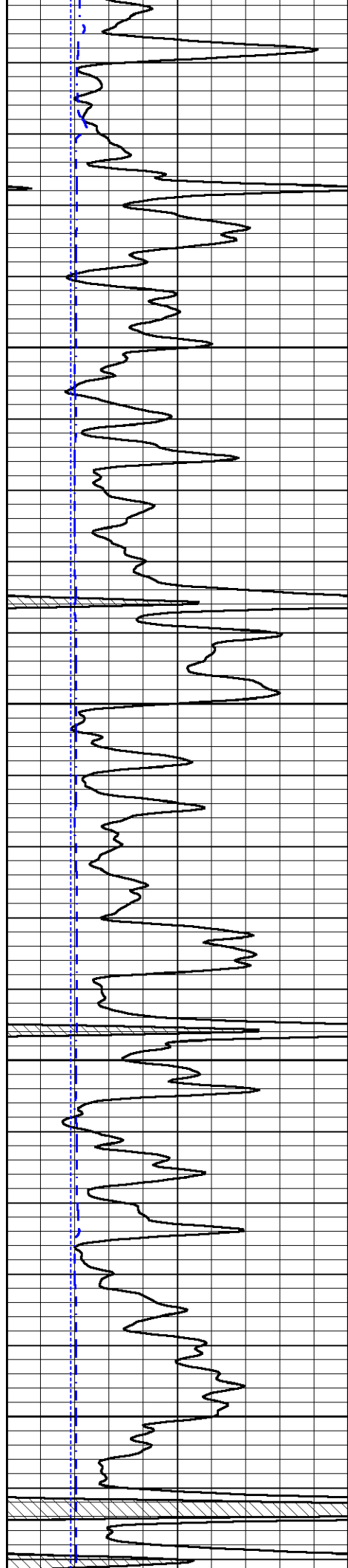


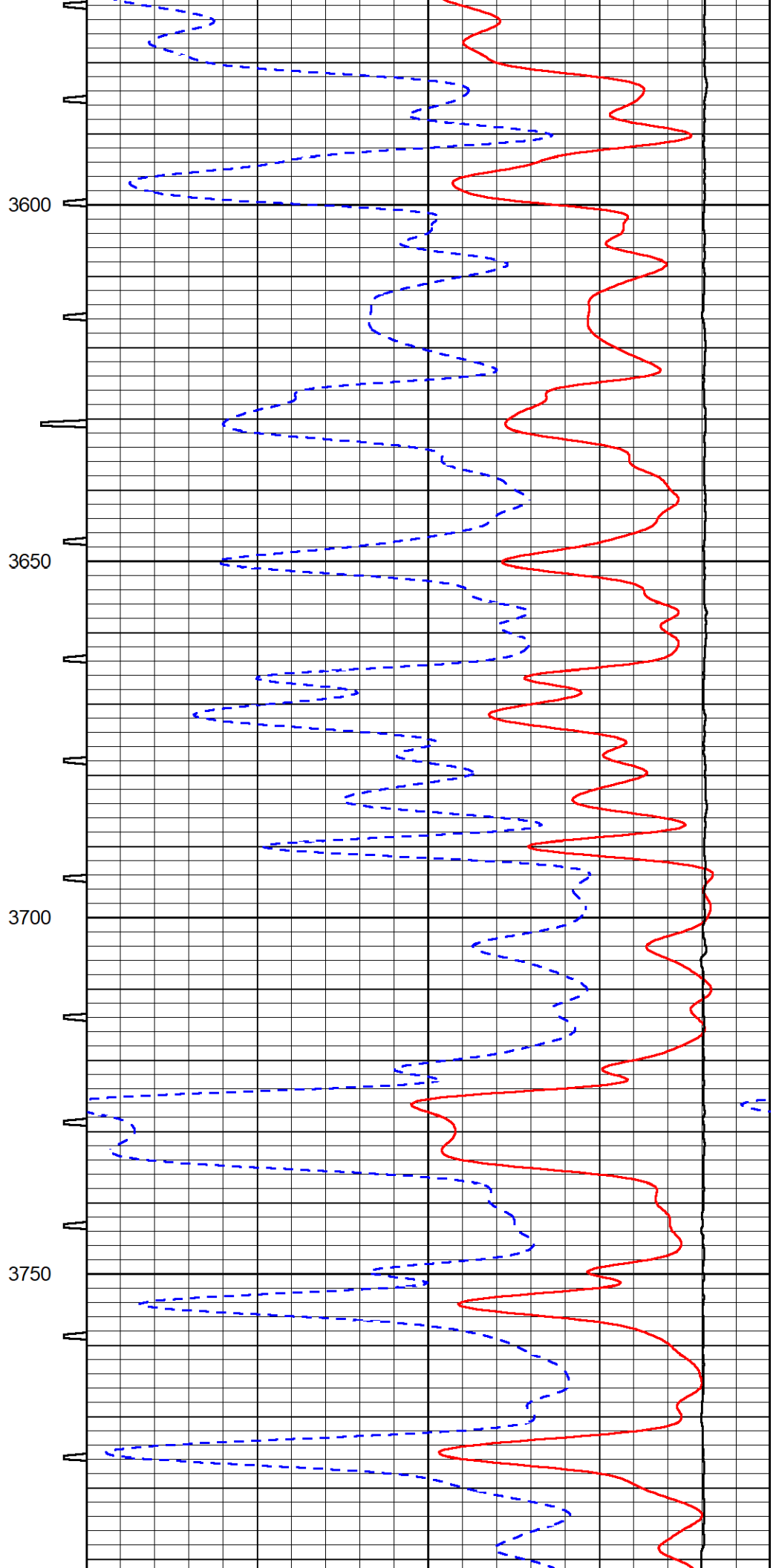
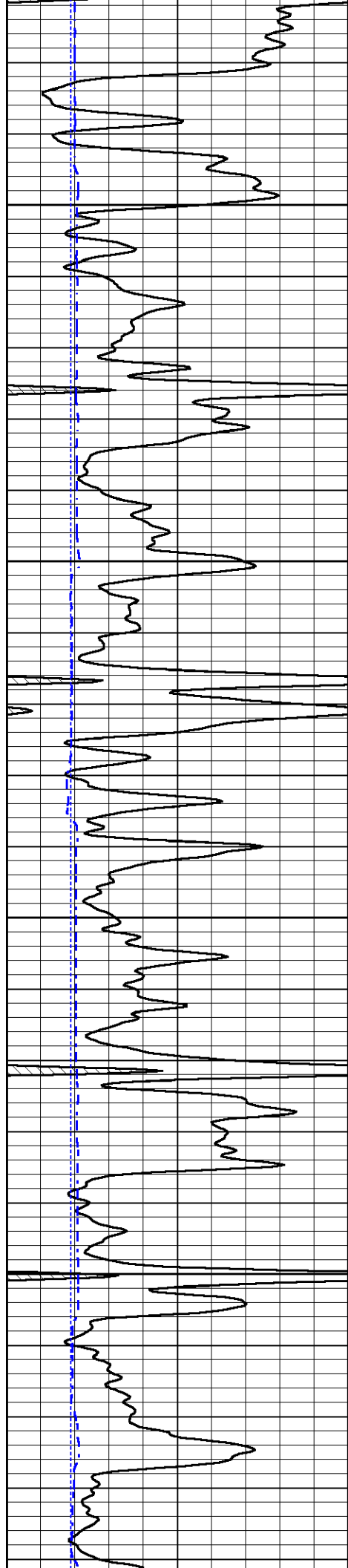


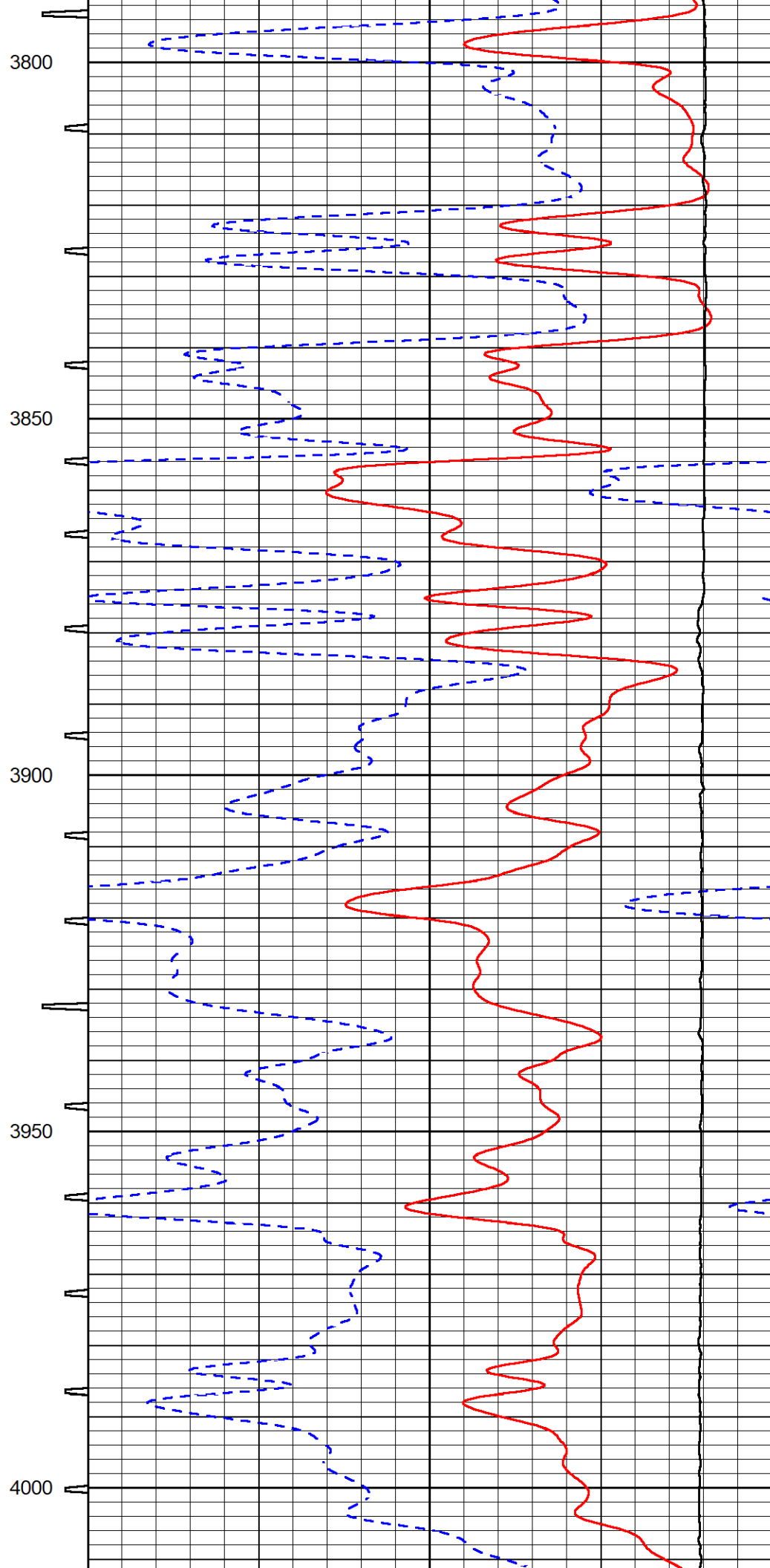
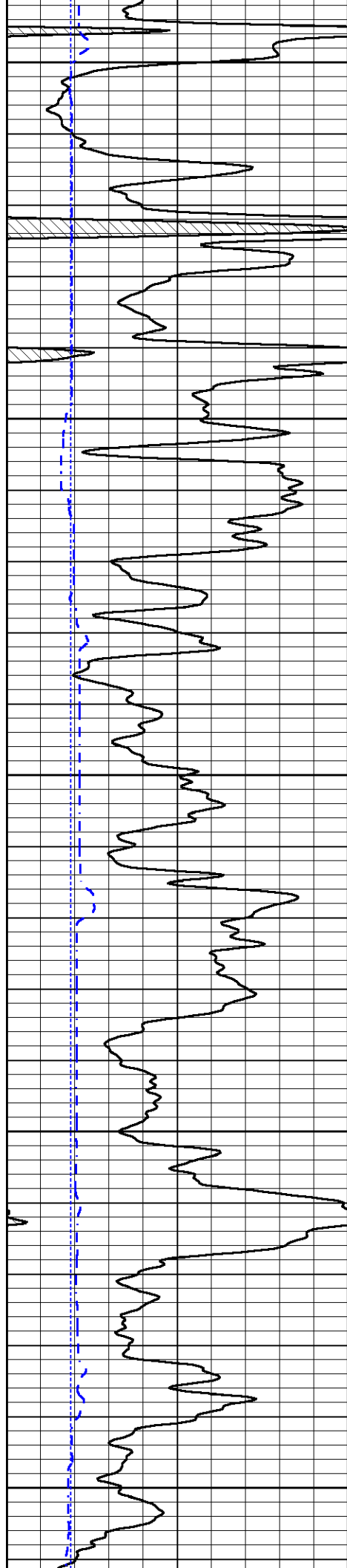


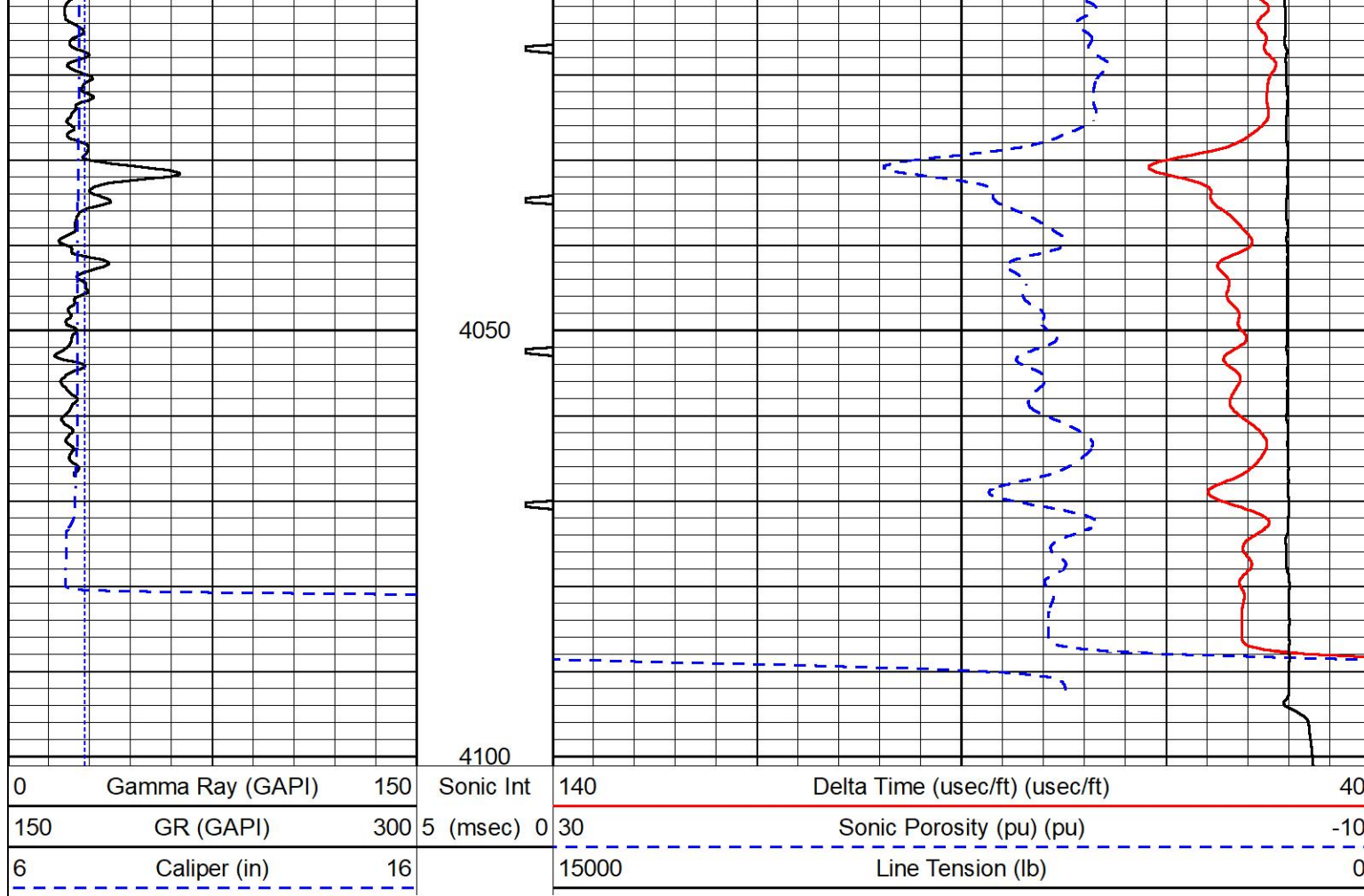










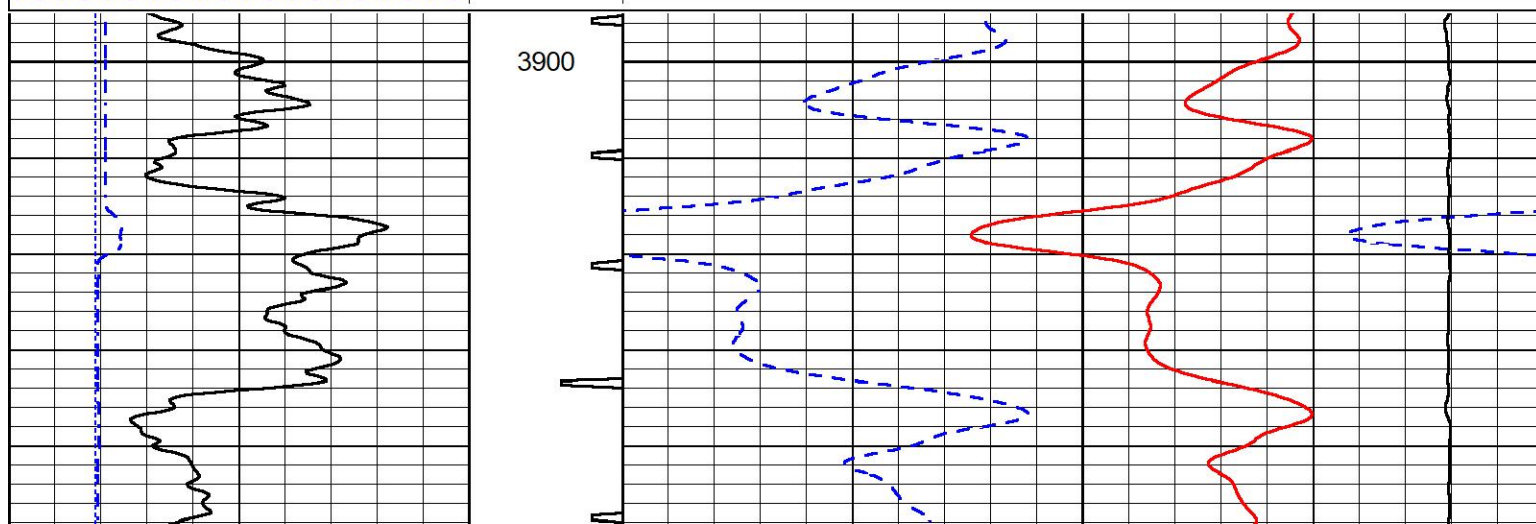


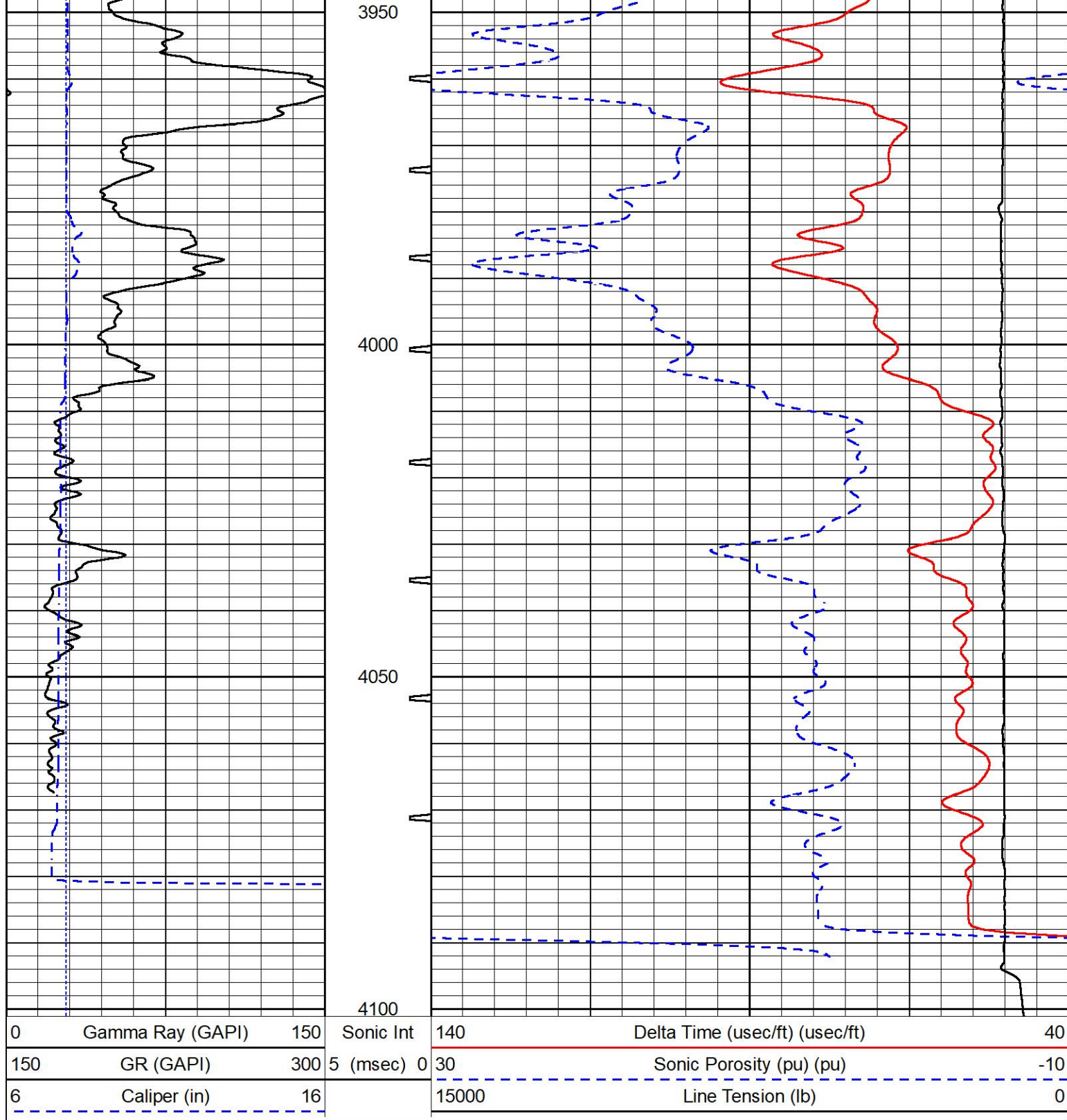
REPEAT SECTION

REPEAT PASS

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State	Kansas