



PIONEER

Pioneer Energy Services

BOREHOLE COMPENSATED SONIC LOG

Company **MAREXCO, INC.**
Well **STUCKY #14-2**
Field **WILDCAT**
County **SCOTT** State **KANSAS**

Location: API #: 15-171-21243-00-00

Other Services

SEC 2 TWP 19S RGE 31W
875' FSL & 920' FWL

DIL/MEL
CNL/CDL

Permanent Datum GROUND LEVEL Elevation 2928'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2933'
D.F. N/A
G.L. 2928'

Date 5/1/2019

Run Number TWO

Type Log BHCS

Depth Driller 4670'

Depth Logger 4668'

Bottom Logged Interval 4657'

Top Logged Interval 200'

Type Fluid In Hole CHEMICAL

Salinity, PPM CL 3000

Density 8.9

Level FULL

Max. Rec. Temp. F 123 DEG/F

Operating Rig Time 4 HOURS

Equipment -- Location P-108 HAYS

Recorded By J. HENRICKSON

Witnessed By RICK HALL

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
ONE	12.25"	0	219'	8.625"	23#	0	219'
TWO	7.875"	219'	TD				

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, 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.
DIGHTON KANSAS
14 WEST TO VENISON ROAD, 3 SOUTH, EAST INTO

Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

Your Pioneer Energy Services Crew

Engineer: J. HENRICKSON
Operator:
Operator:
Operator:

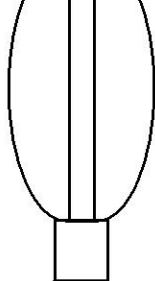
This Log Record Was Witnessed By

Primary Witness: RICK HALL
Secondary Witness:
Secondary Witness:
Secondary Witness:

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 123	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m 0	mmho/m 0	mV 143	degF 53	Off	ft 4668

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
MCAL MI MN	22.50		ML-Armadillo (Armadillo-1) Pengo micro log tool mandrel with Armadillo Electronics	5.00	3.50	100.00
	22.50					
	22.50					
WVF4 WVF1	13.50 13.50		SLT-PENGO (0001)	16.00	3.50	300.00
WVF3 WVF2	11.50 11.50					



CENT-PENGO

5.50

3.00

70.00

Dataset: marexco_stucky_14_2.db: field/well/SONMEL/pass2
Total length: 26.50 ft
Total weight: 470.00 lb
O.D.: 3.50 in

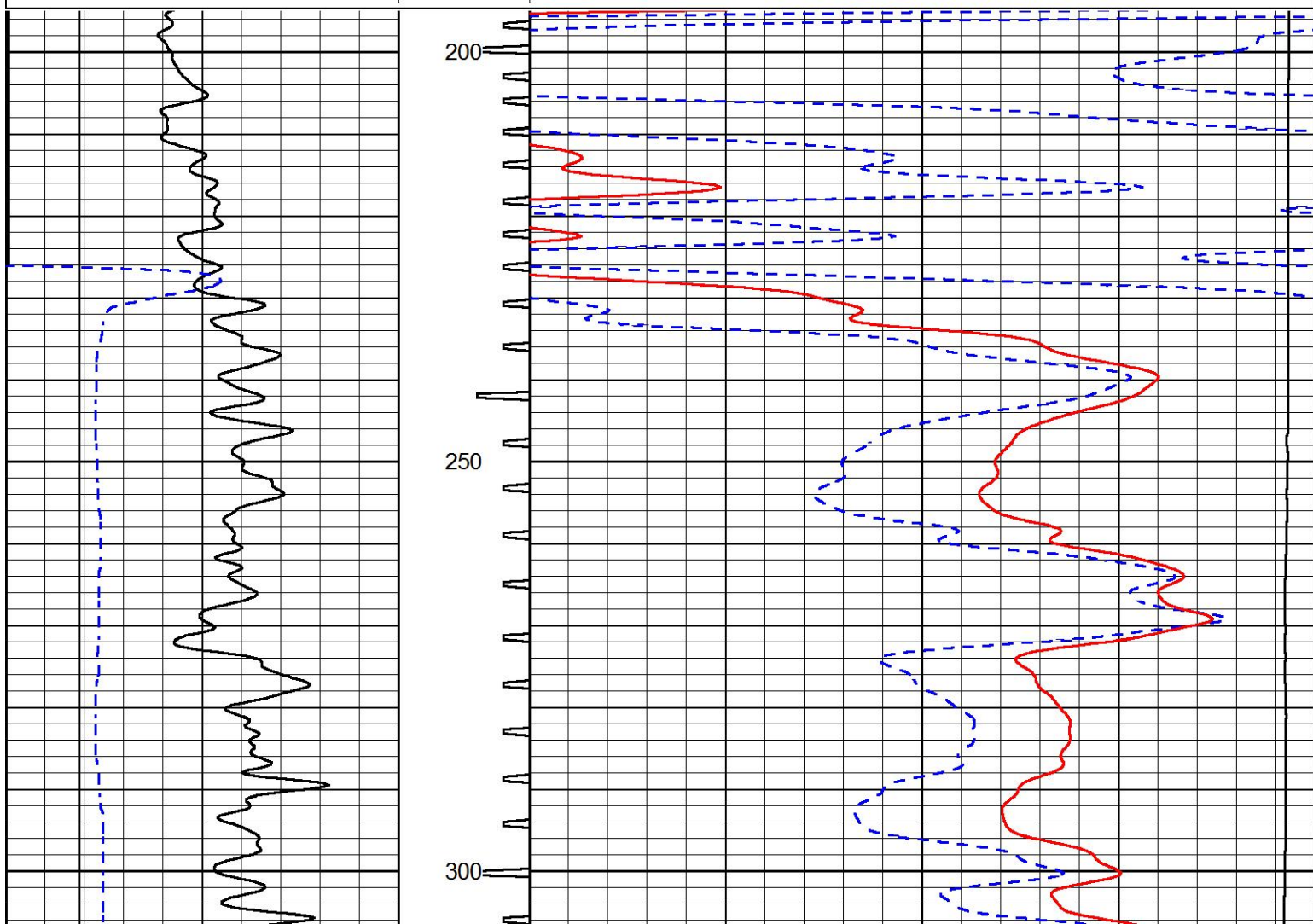
**PIONEER**

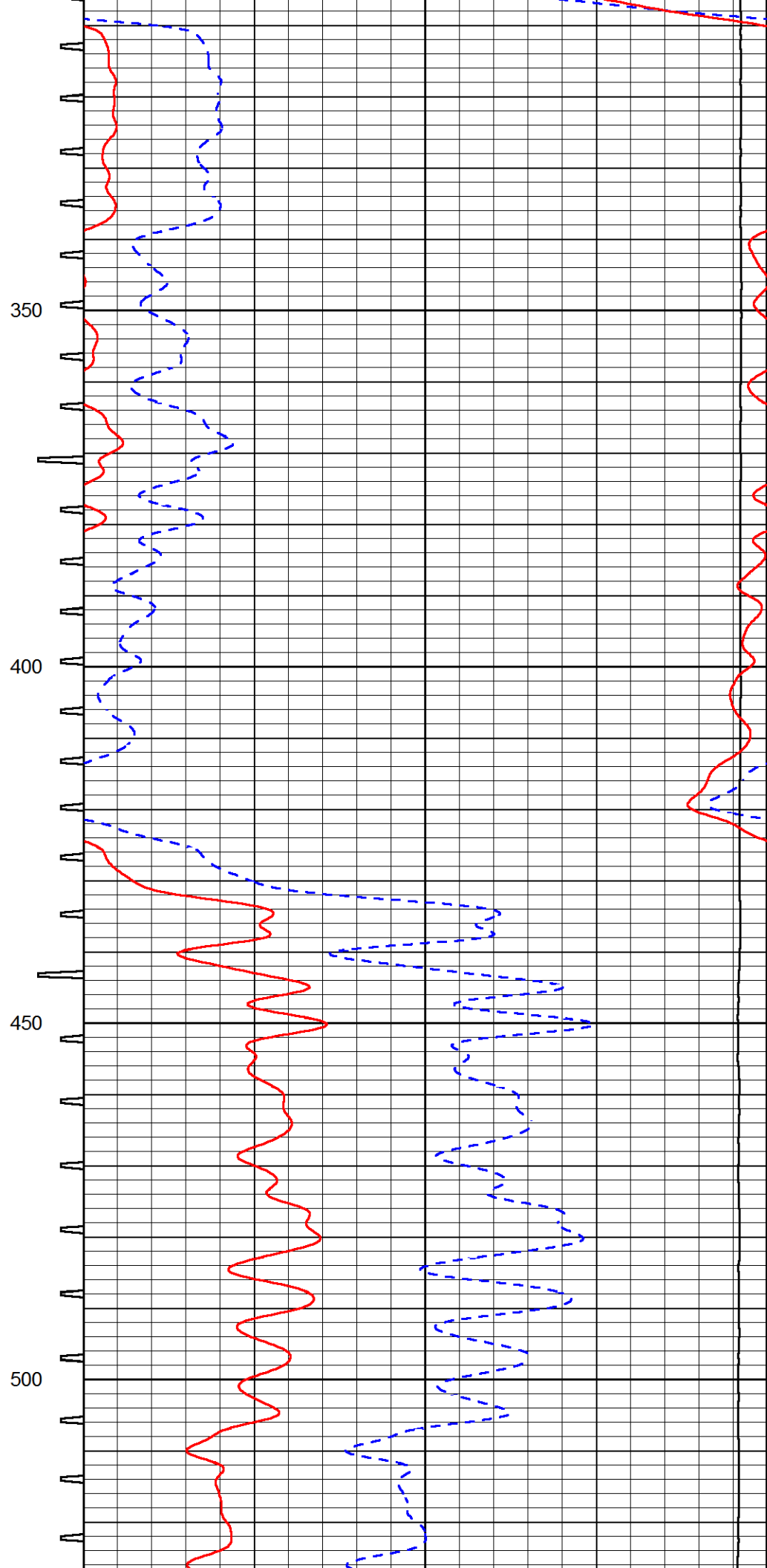
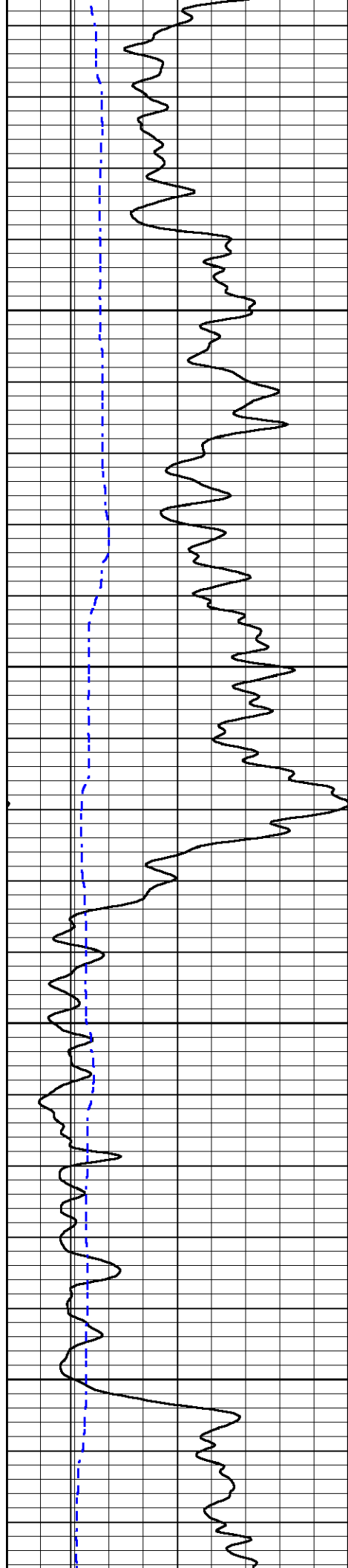
Pioneer Energy Services

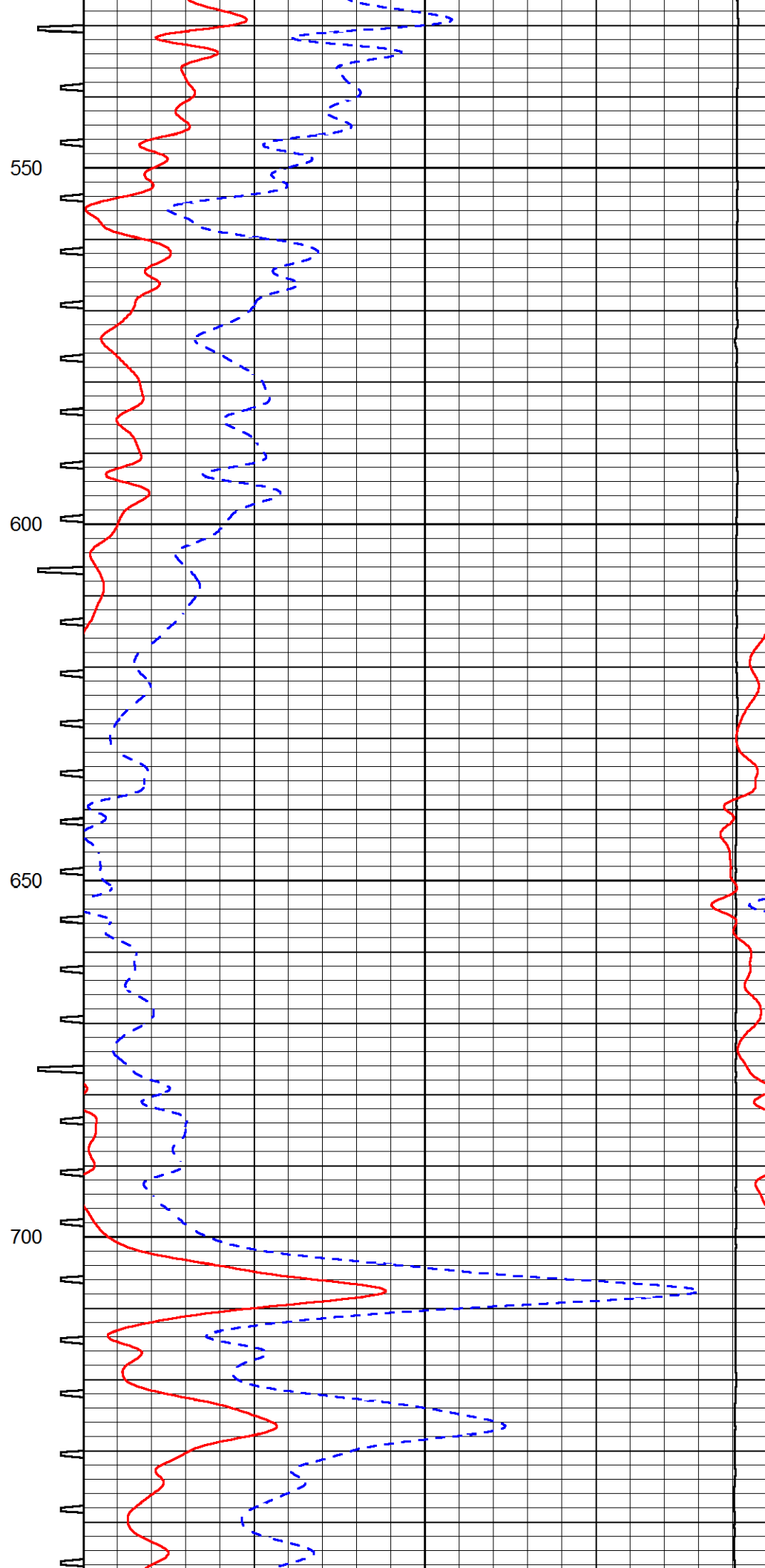
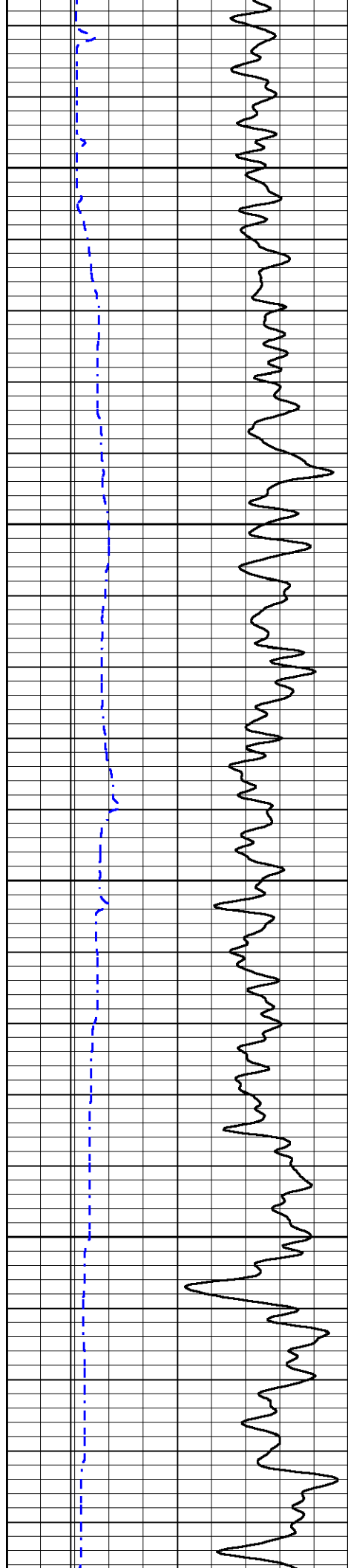
MAIN PASS

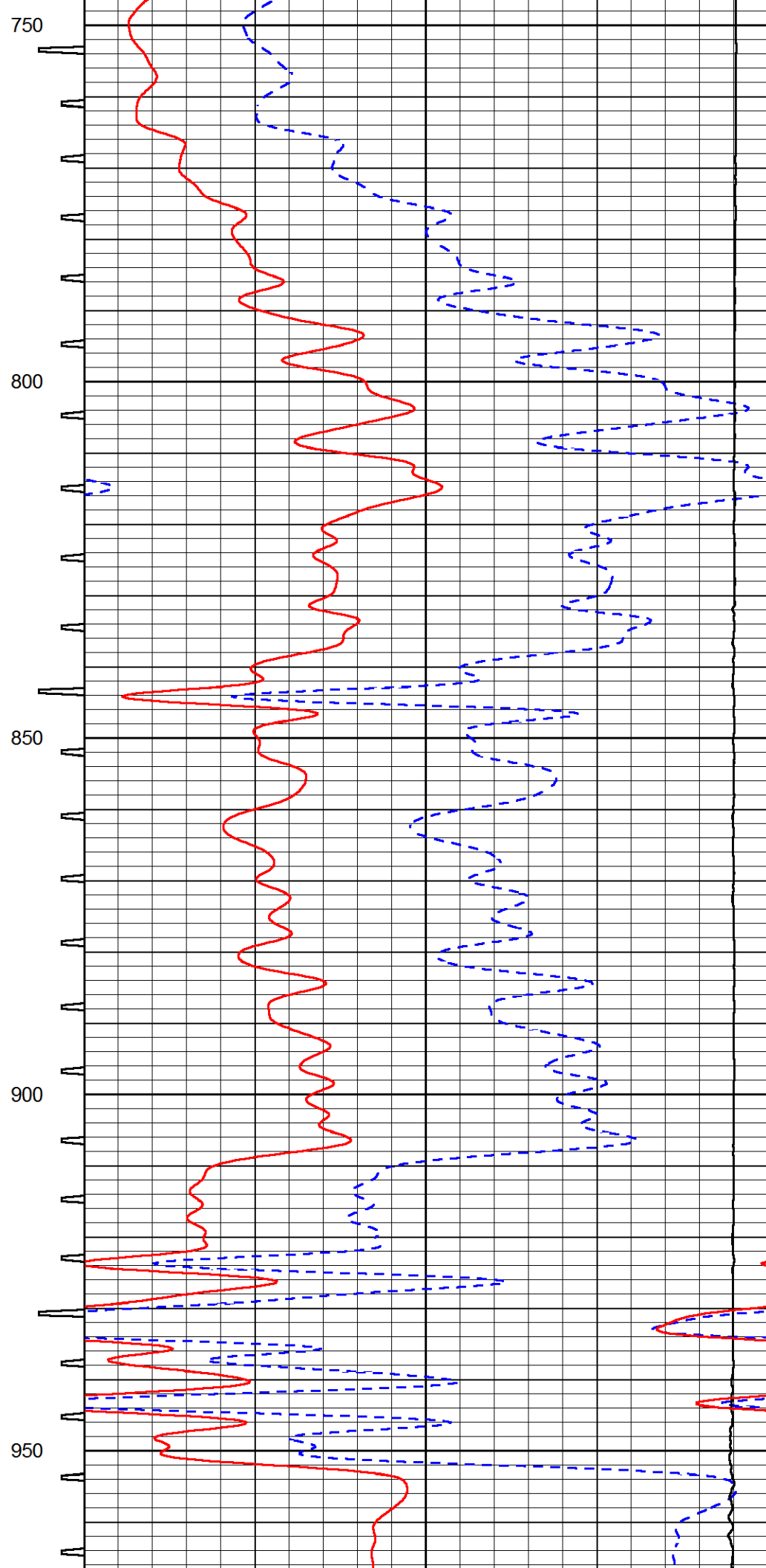
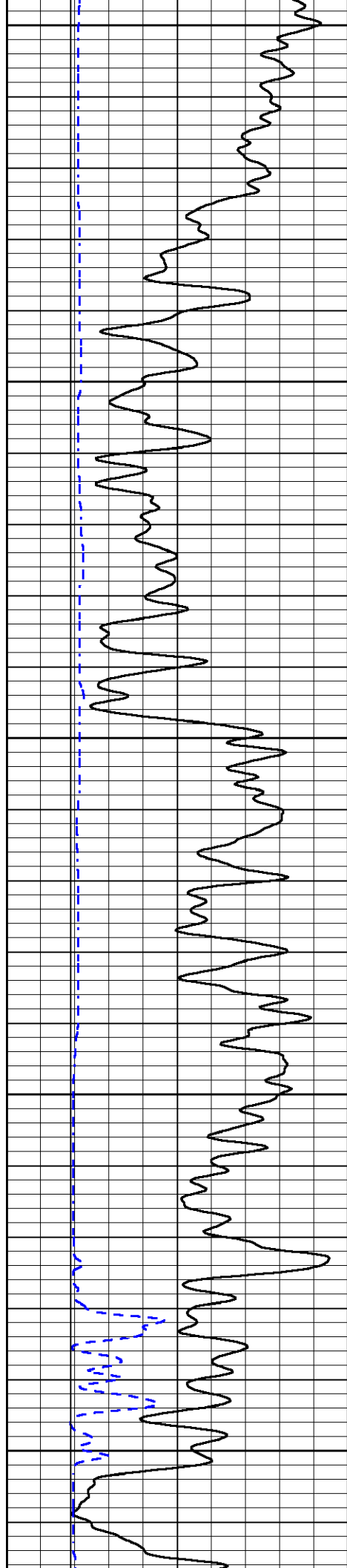
Database File marexco_stucky_14_2.db
Dataset Pathname stack/pass3.1
Presentation Format sonic
Dataset Creation Wed May 01 13:59:50 2019
Charted by Depth in Feet scaled 1:240

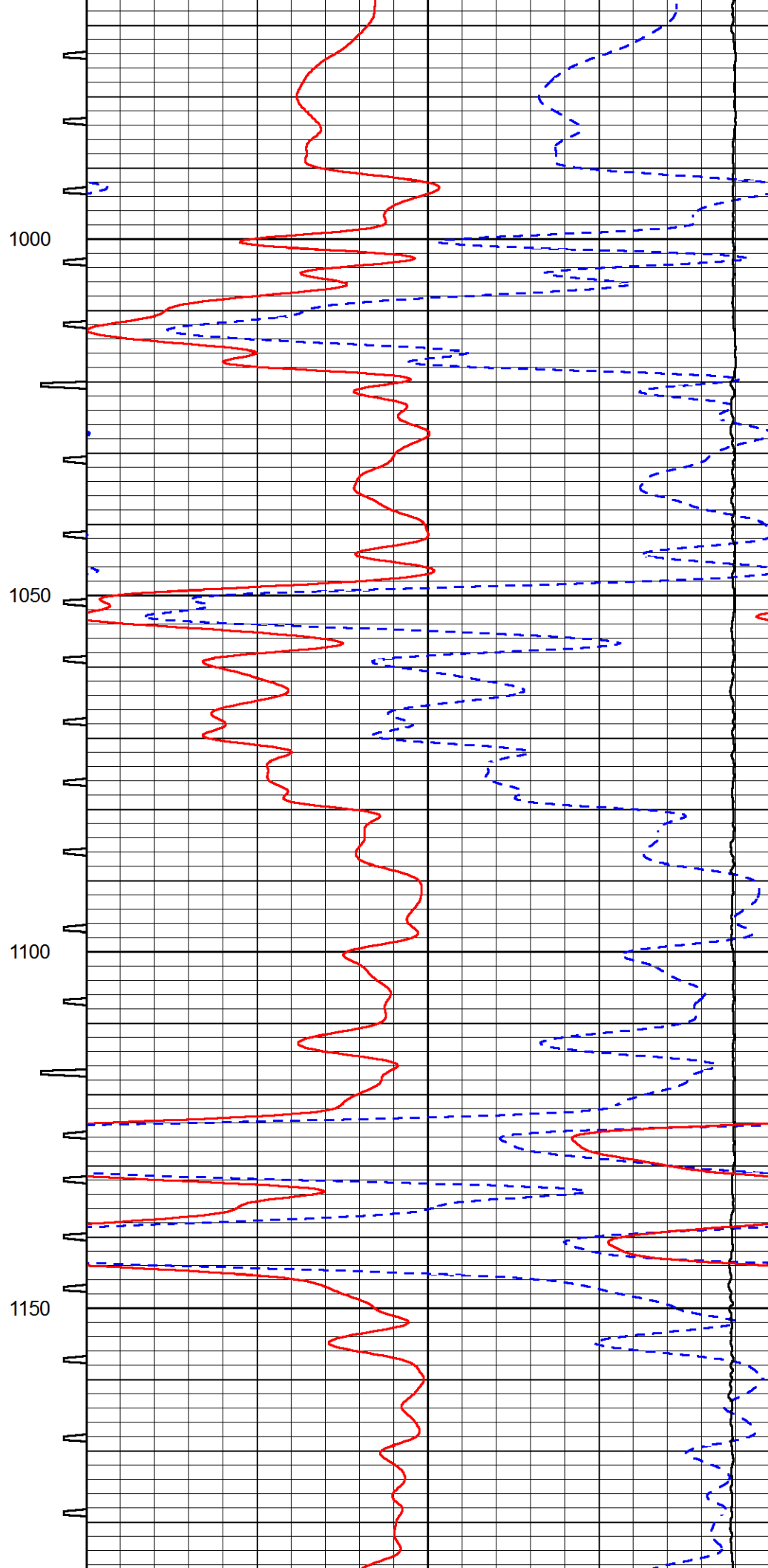
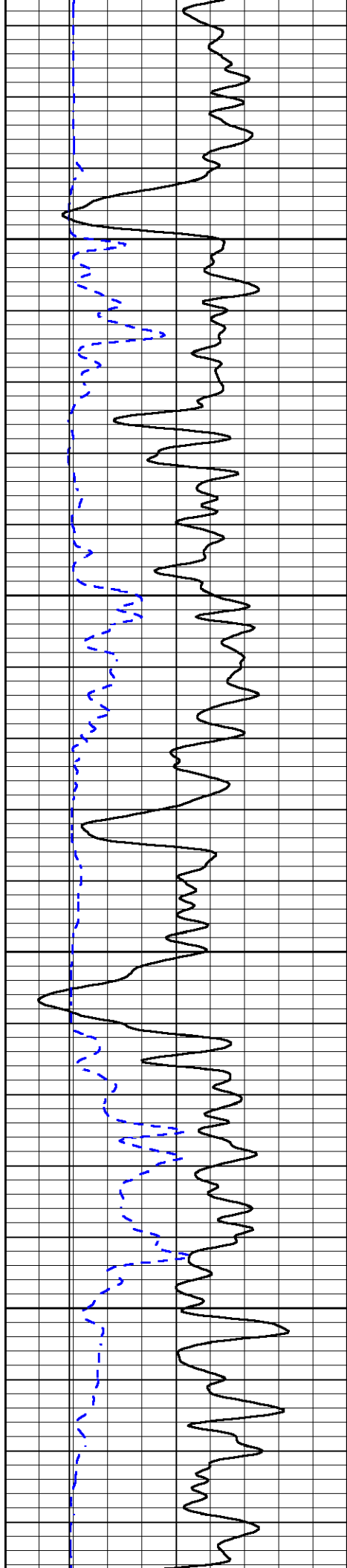
0	GAMMA RAY (GAPI)	150	SONIC INT	140	DELTA TIME (usec/ft) (usec/ft)	40
6	CALIPER (in)	16	TRAVEL TIME	30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0

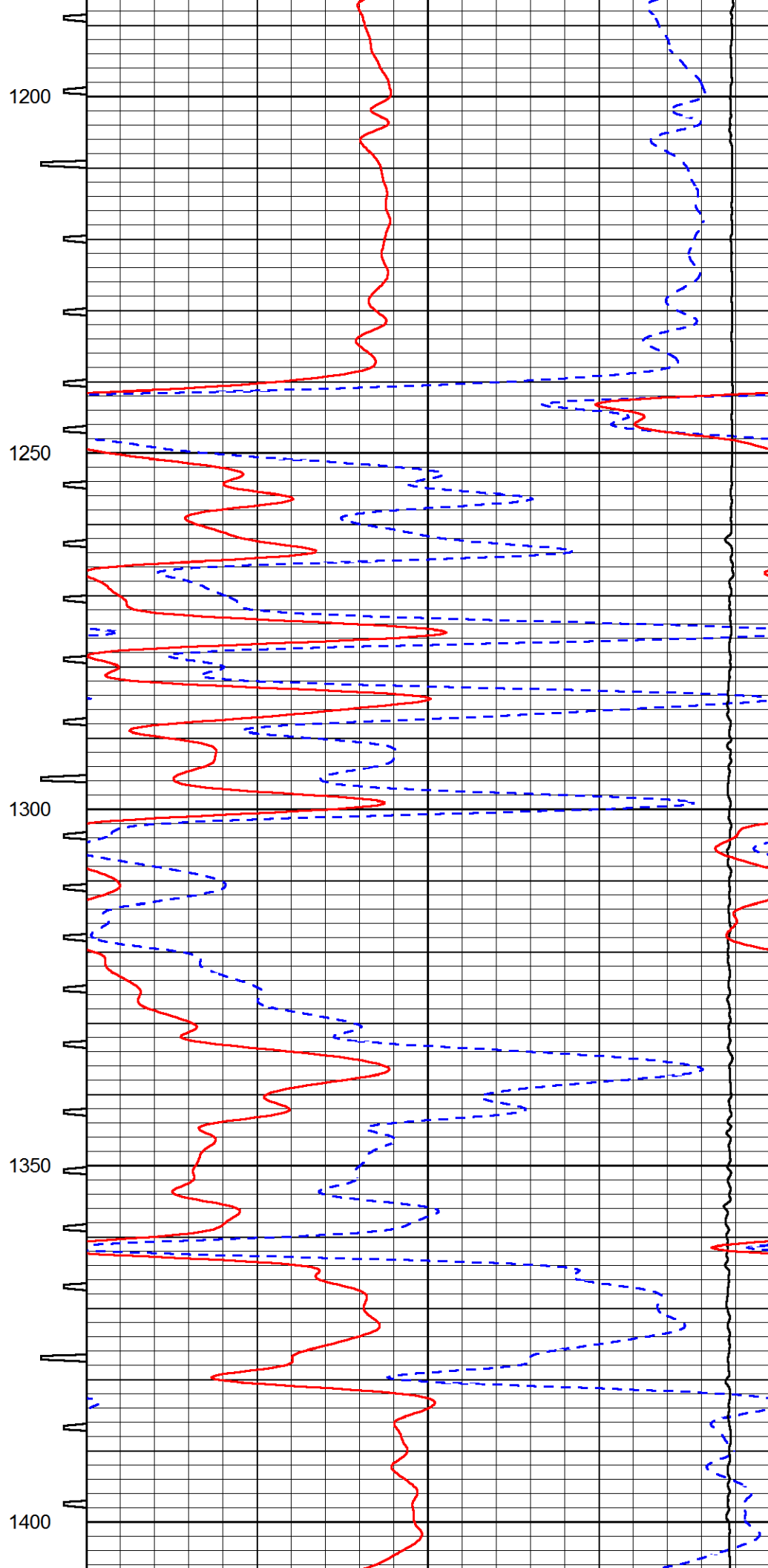
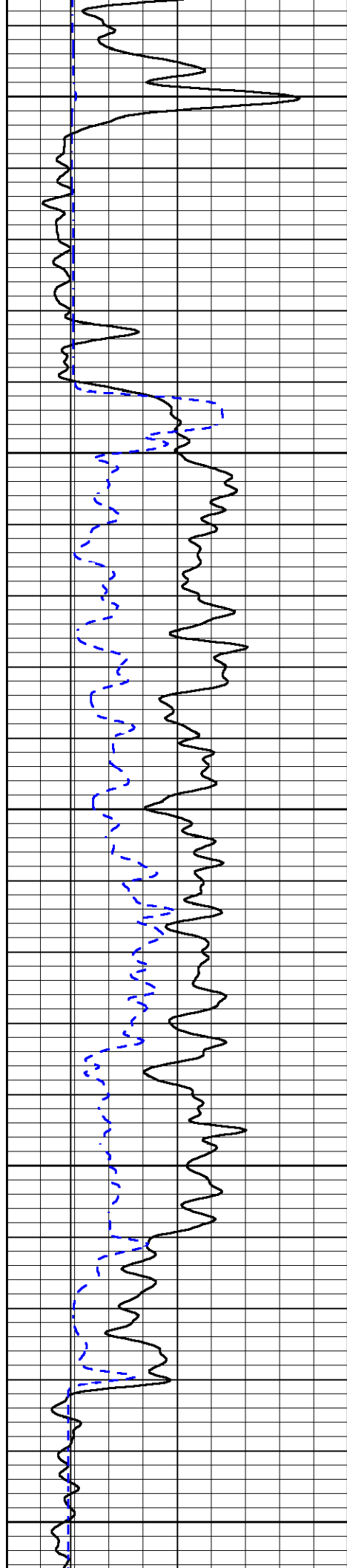


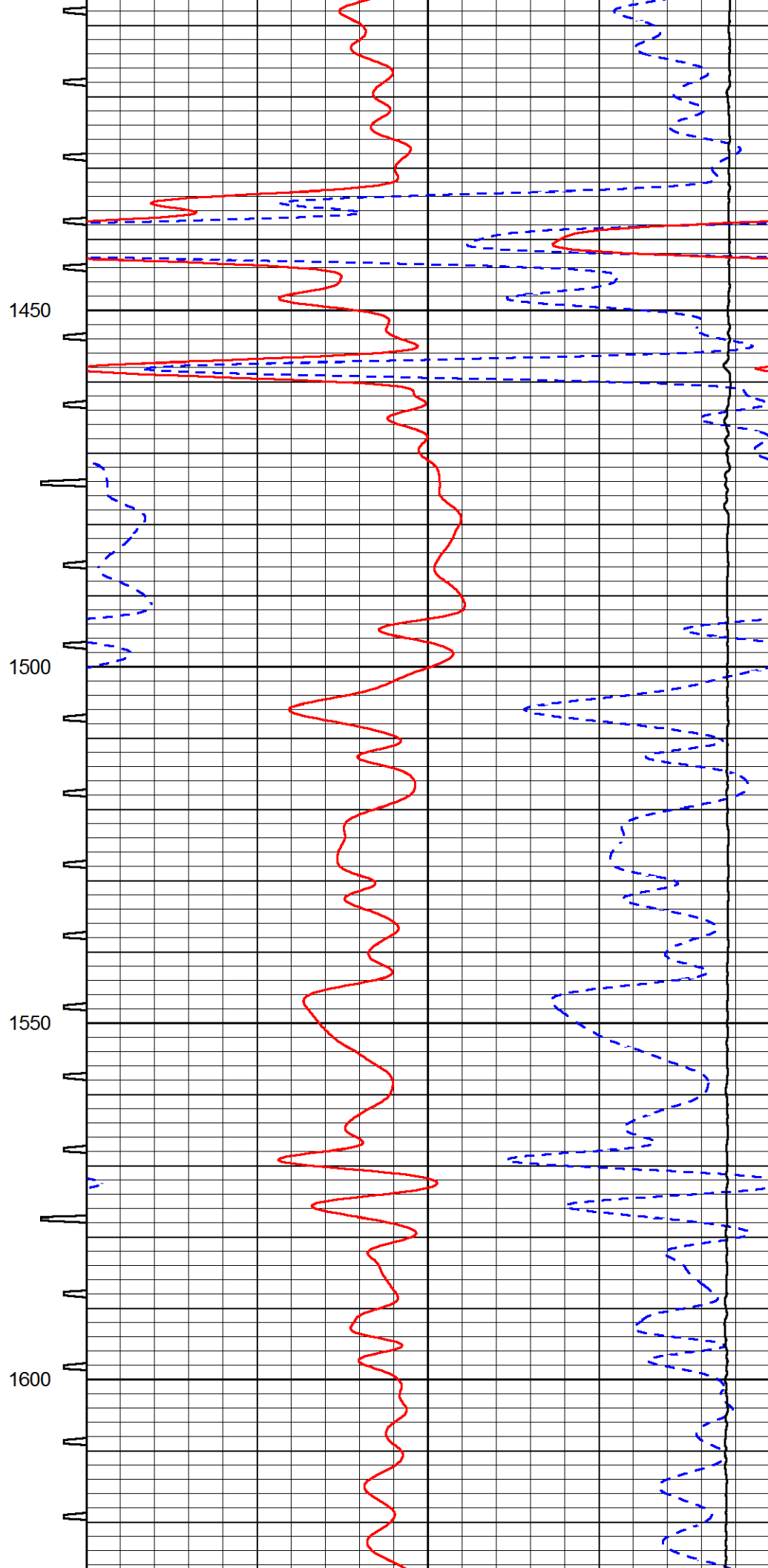
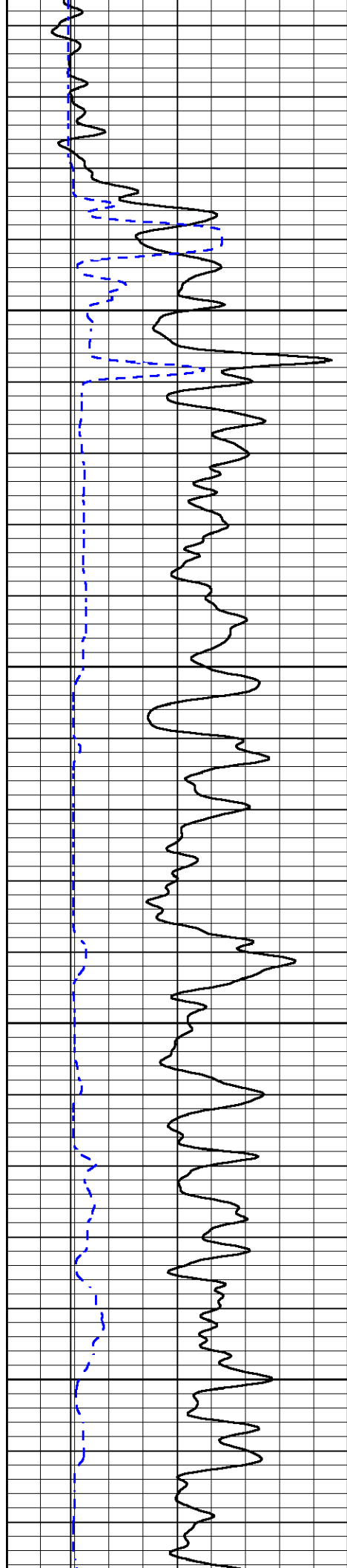


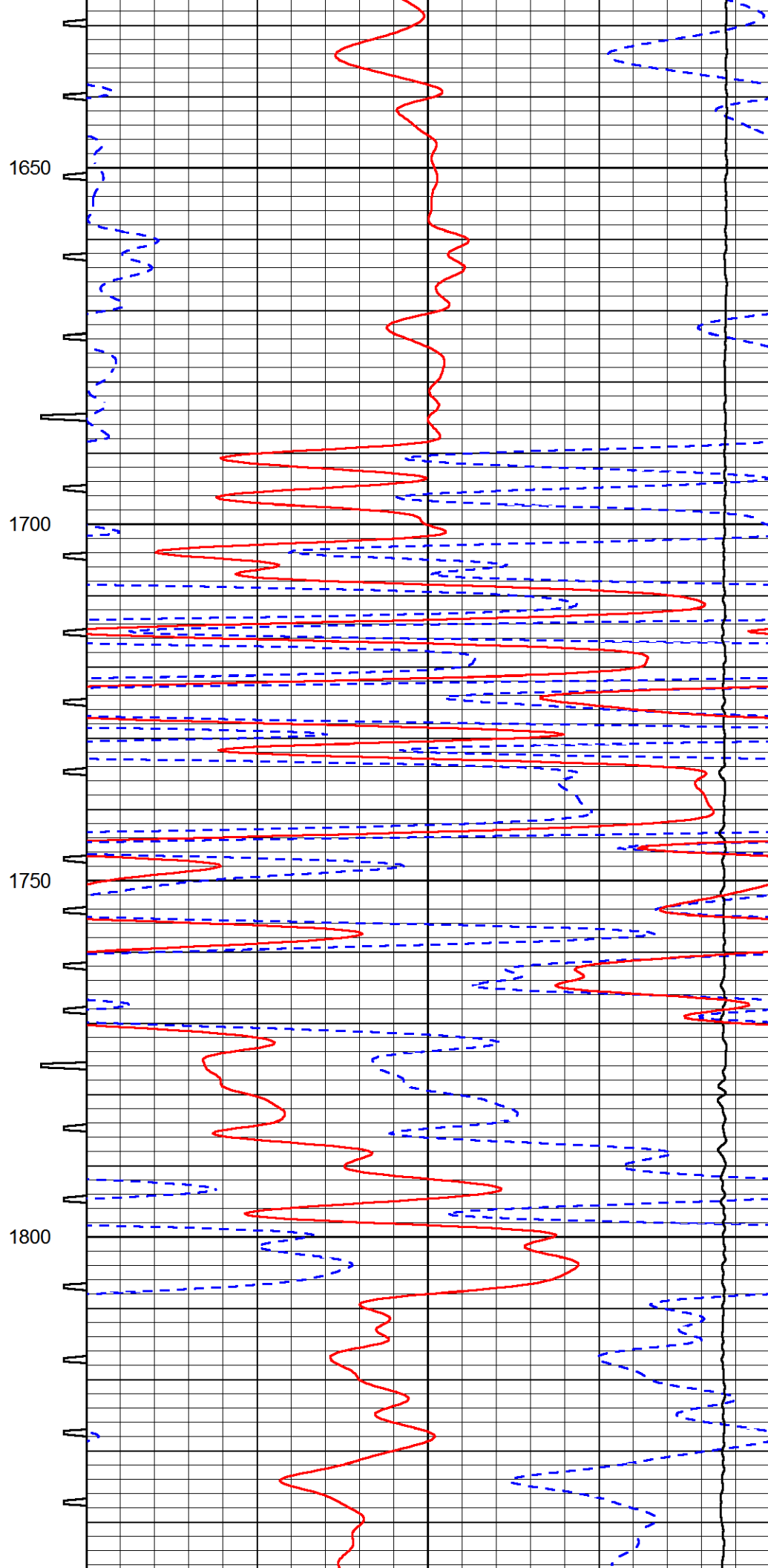
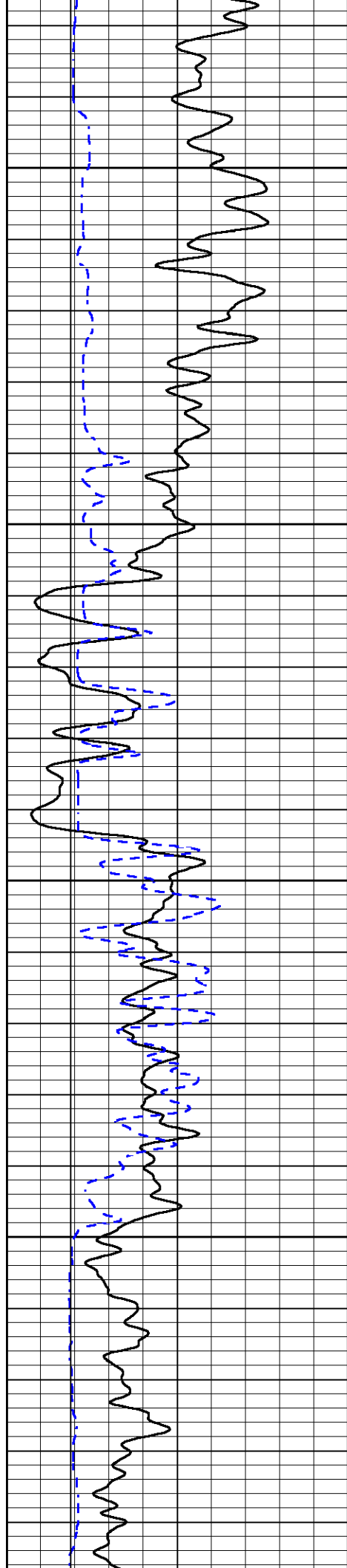


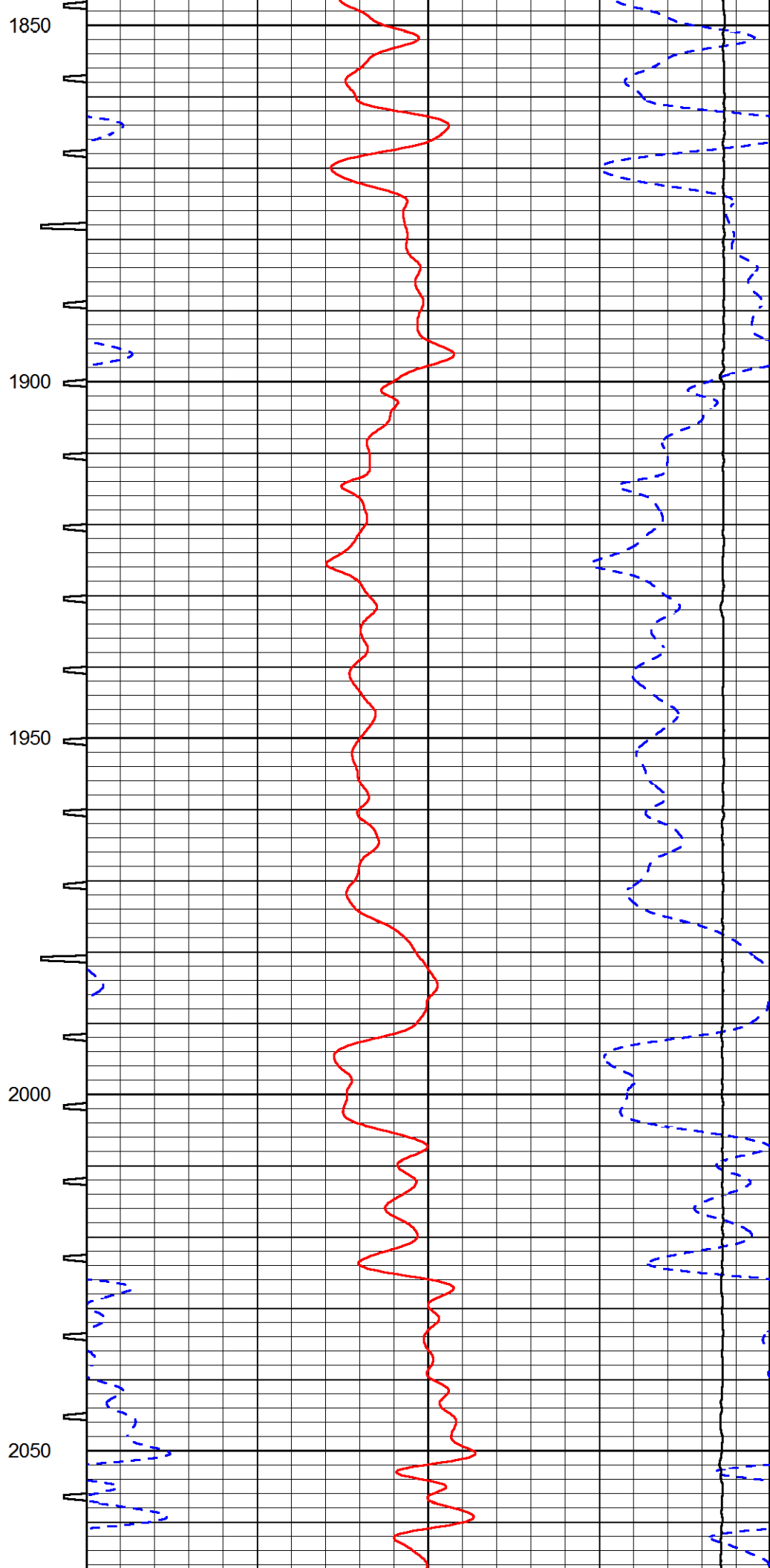
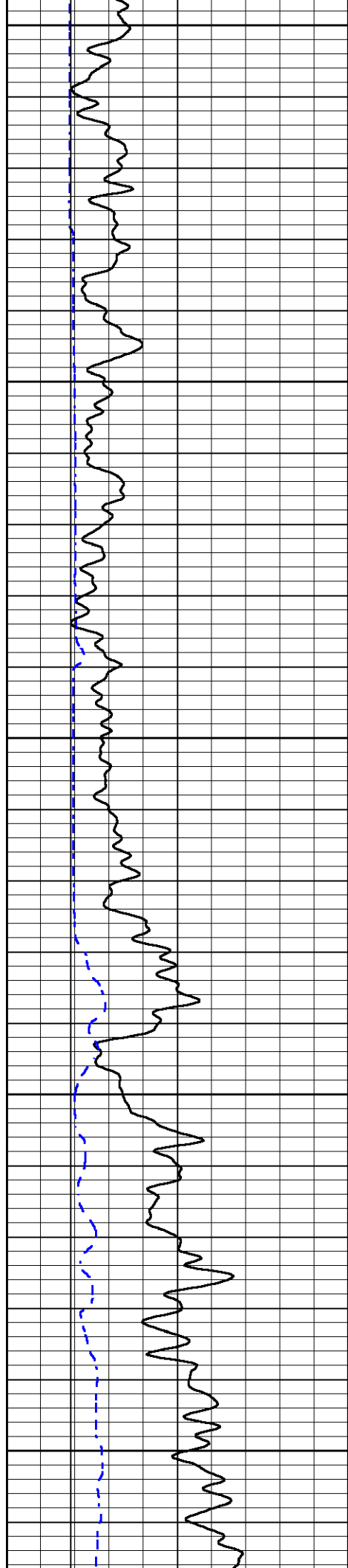


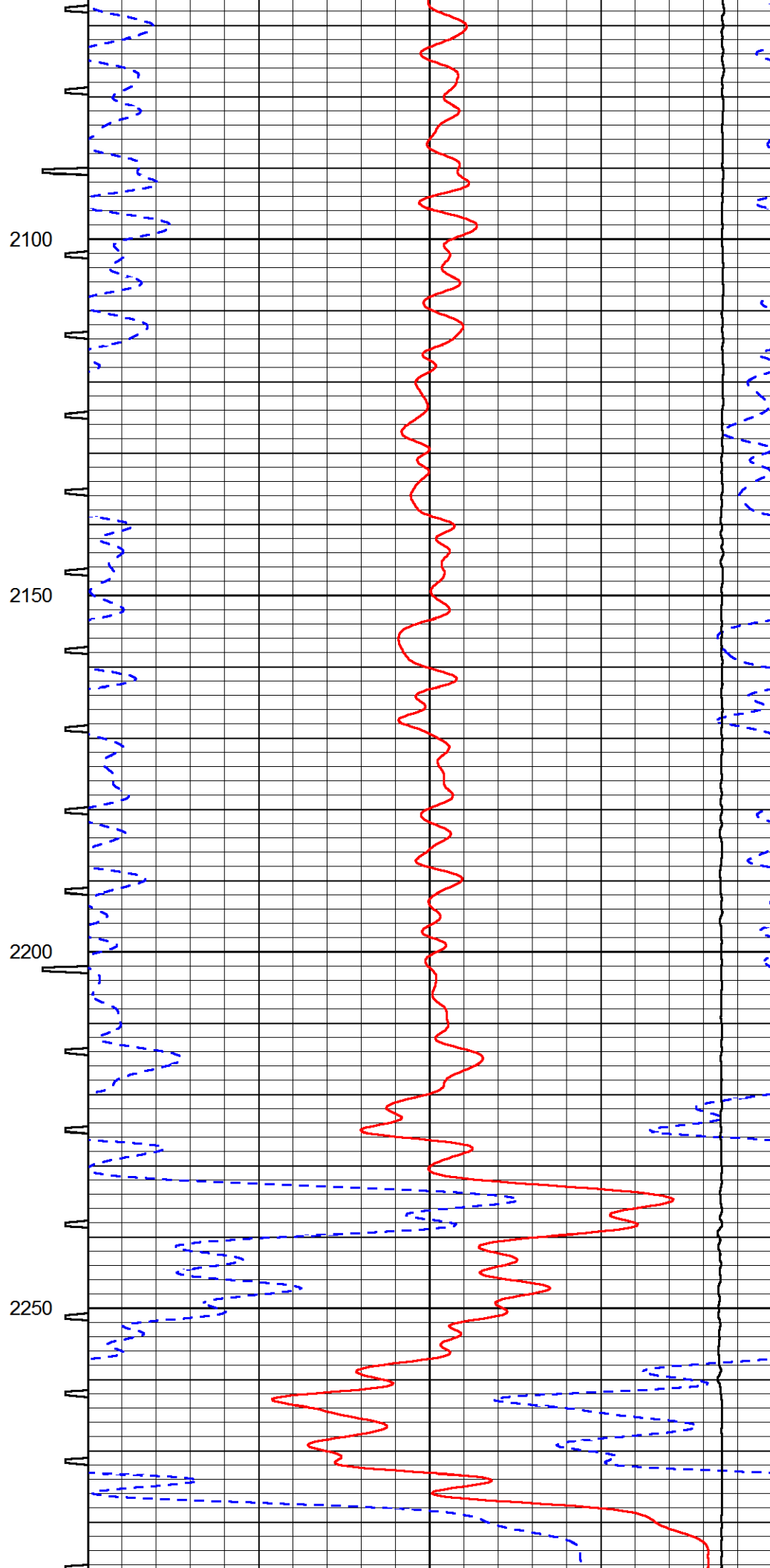
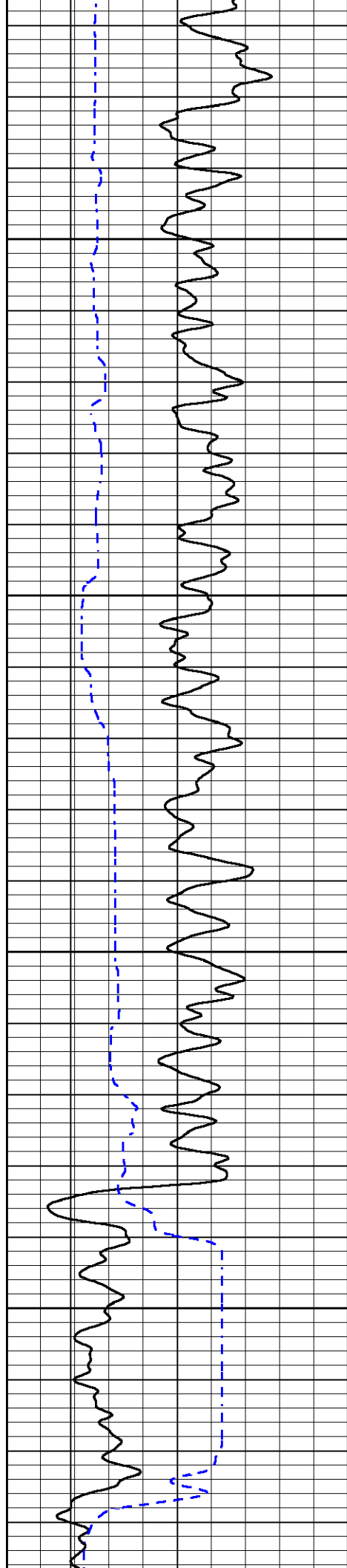


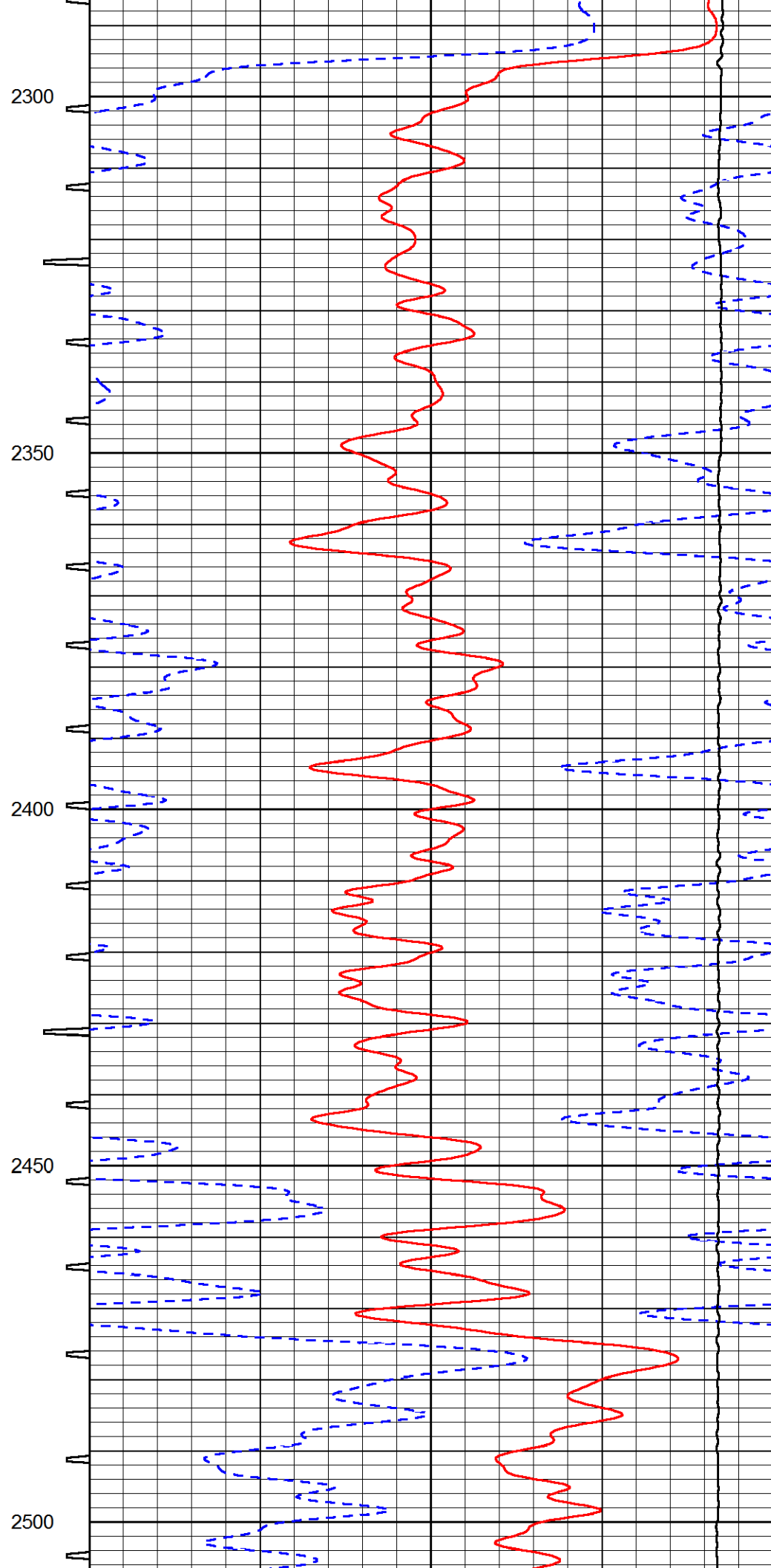
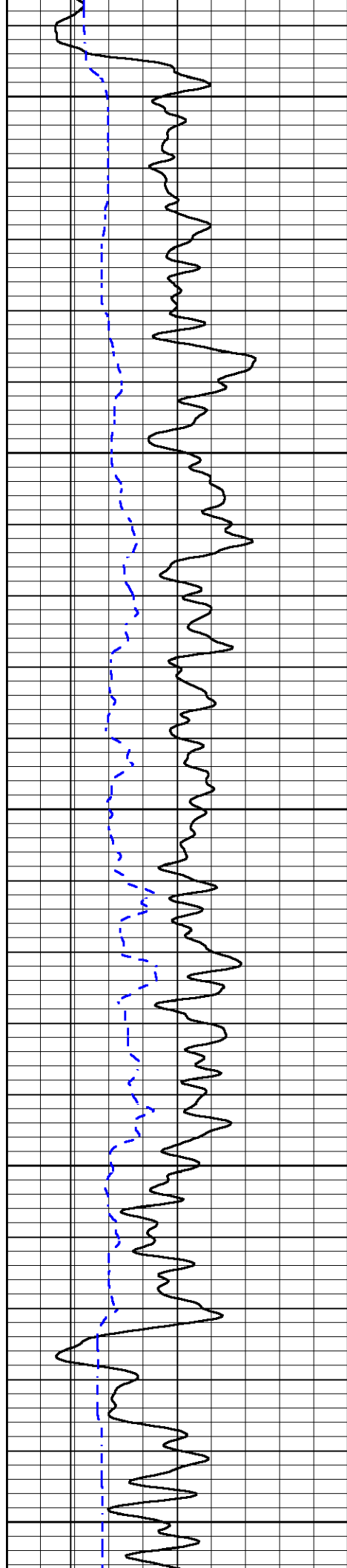


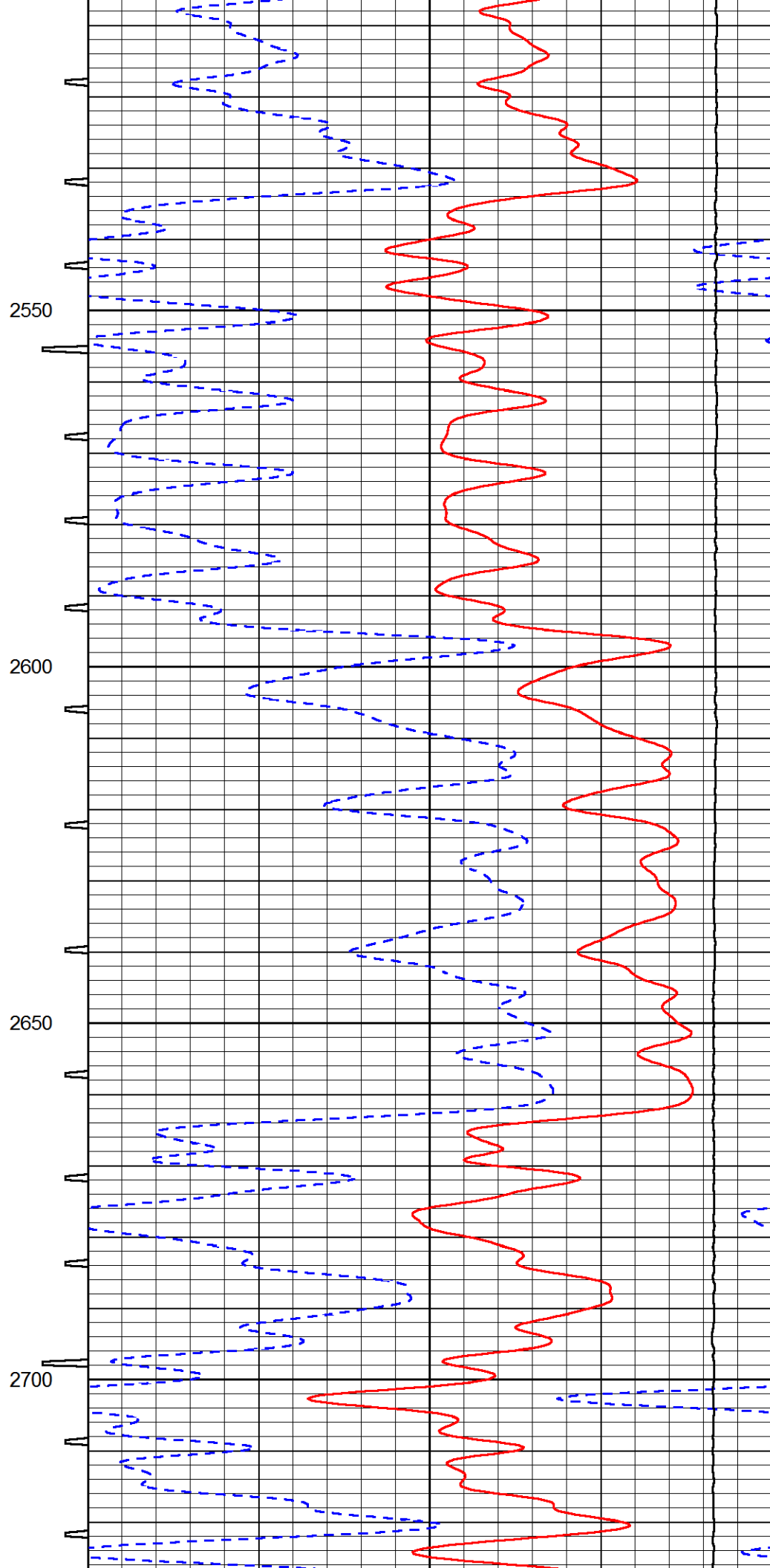
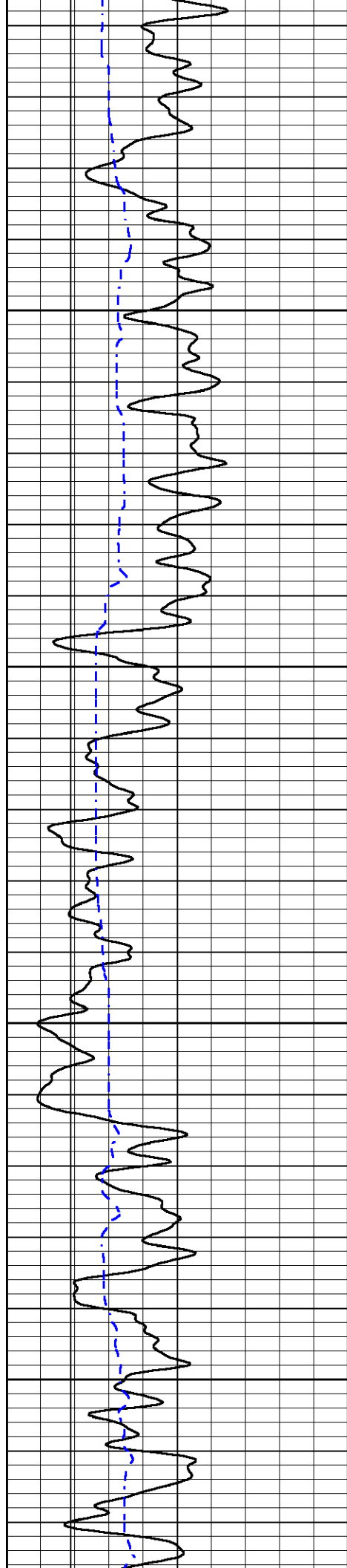


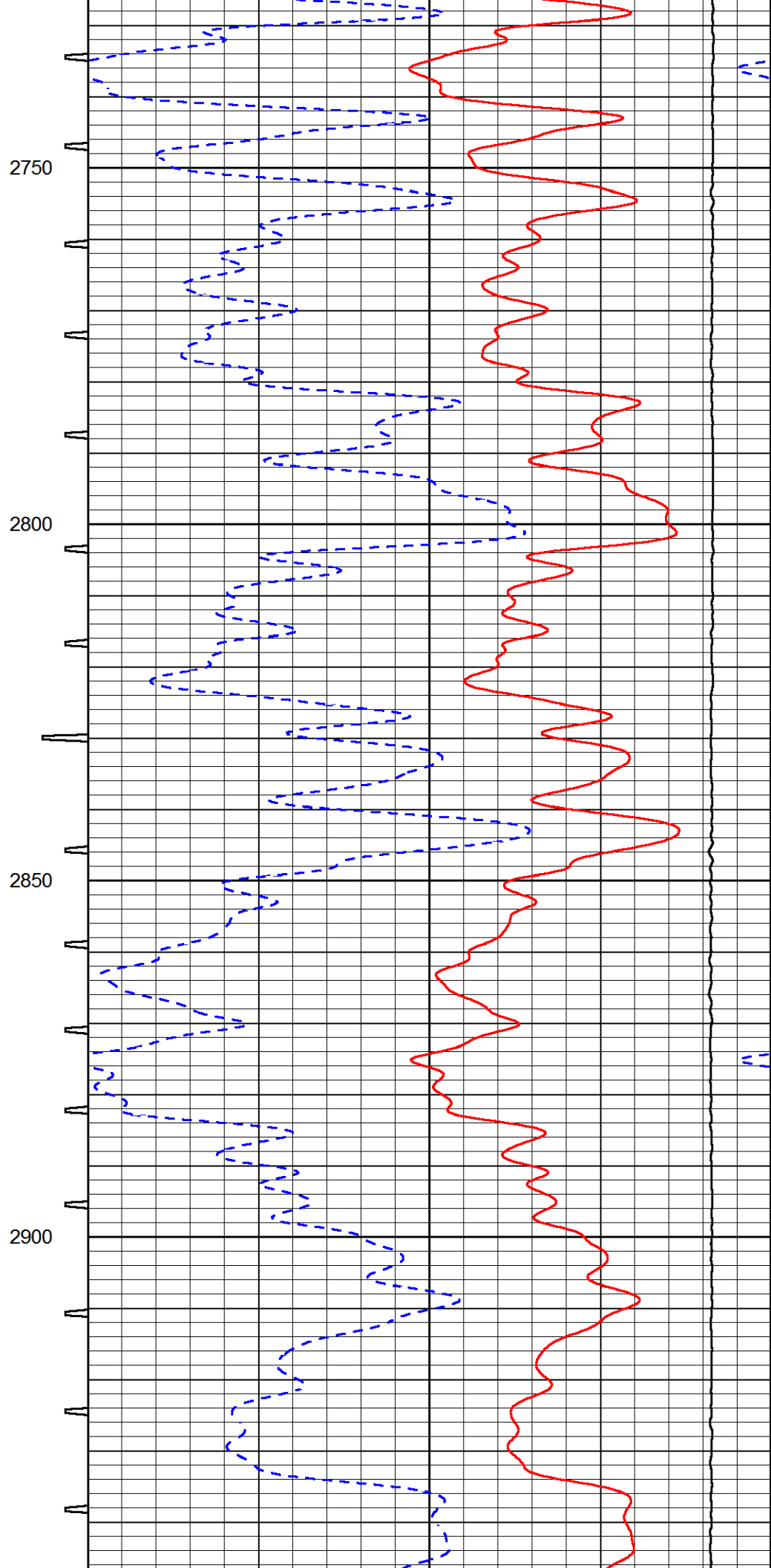
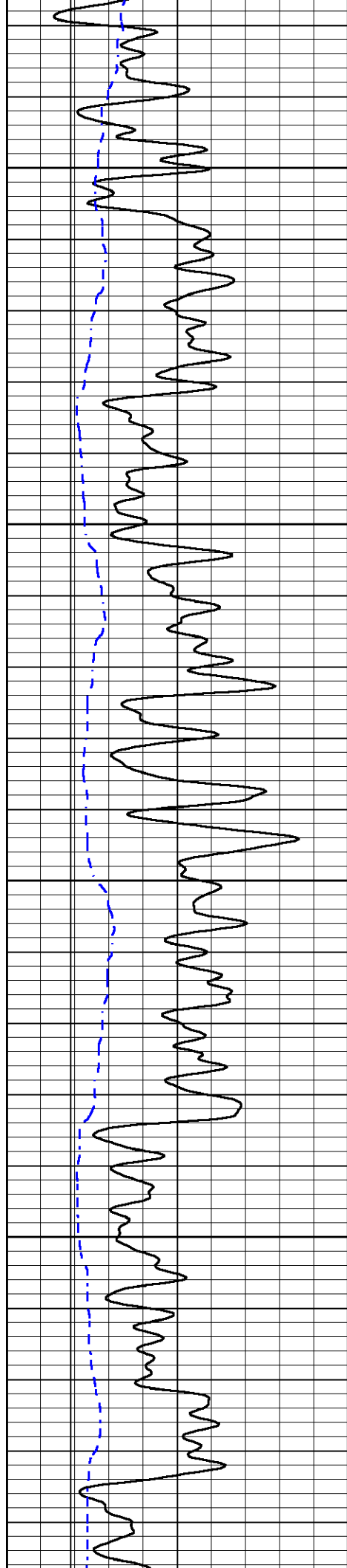


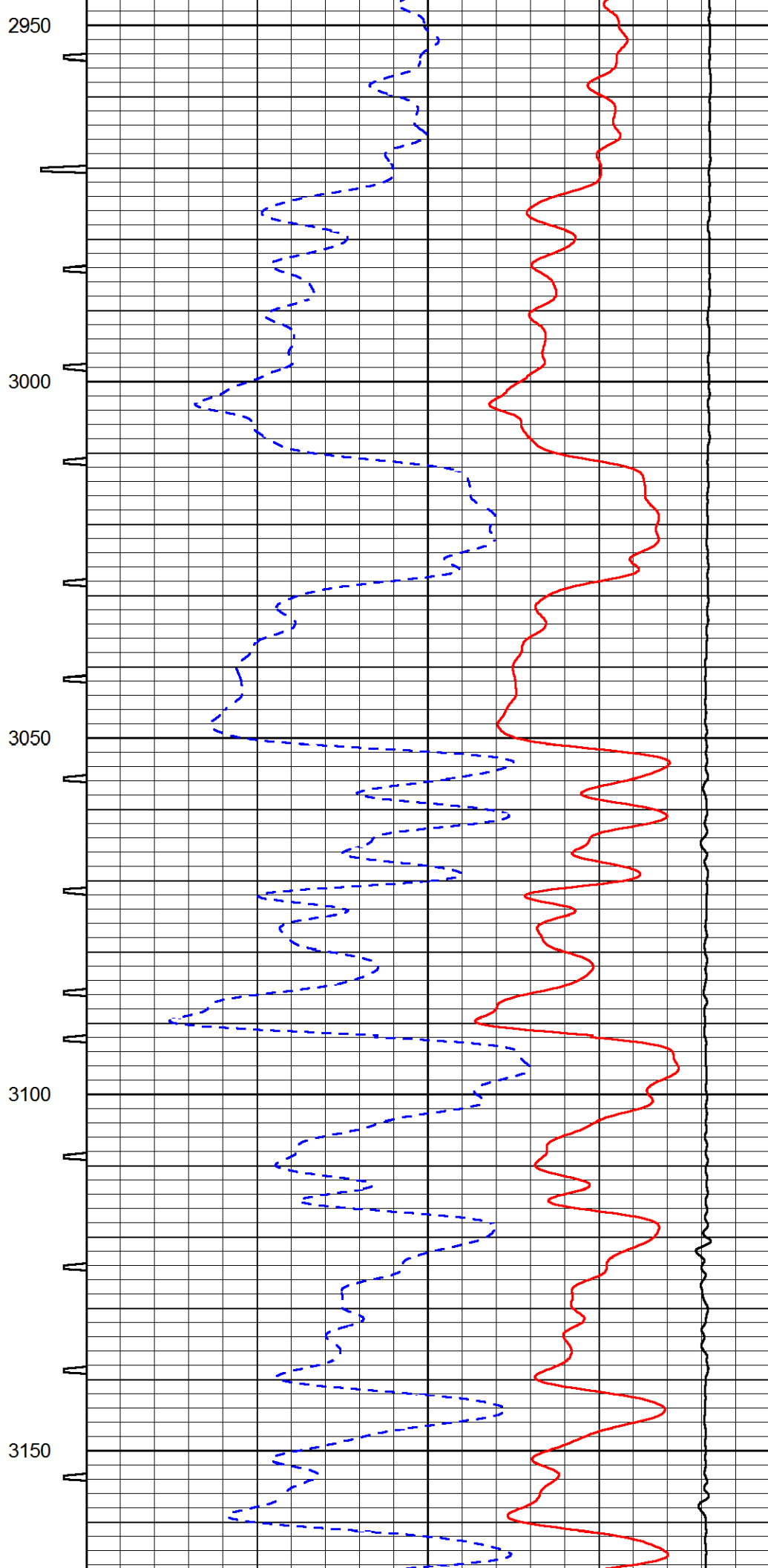
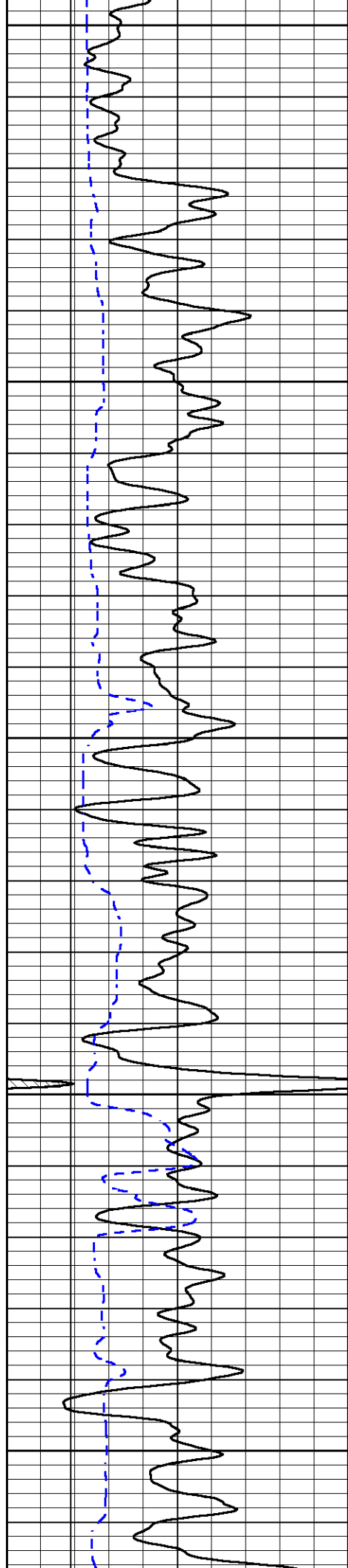


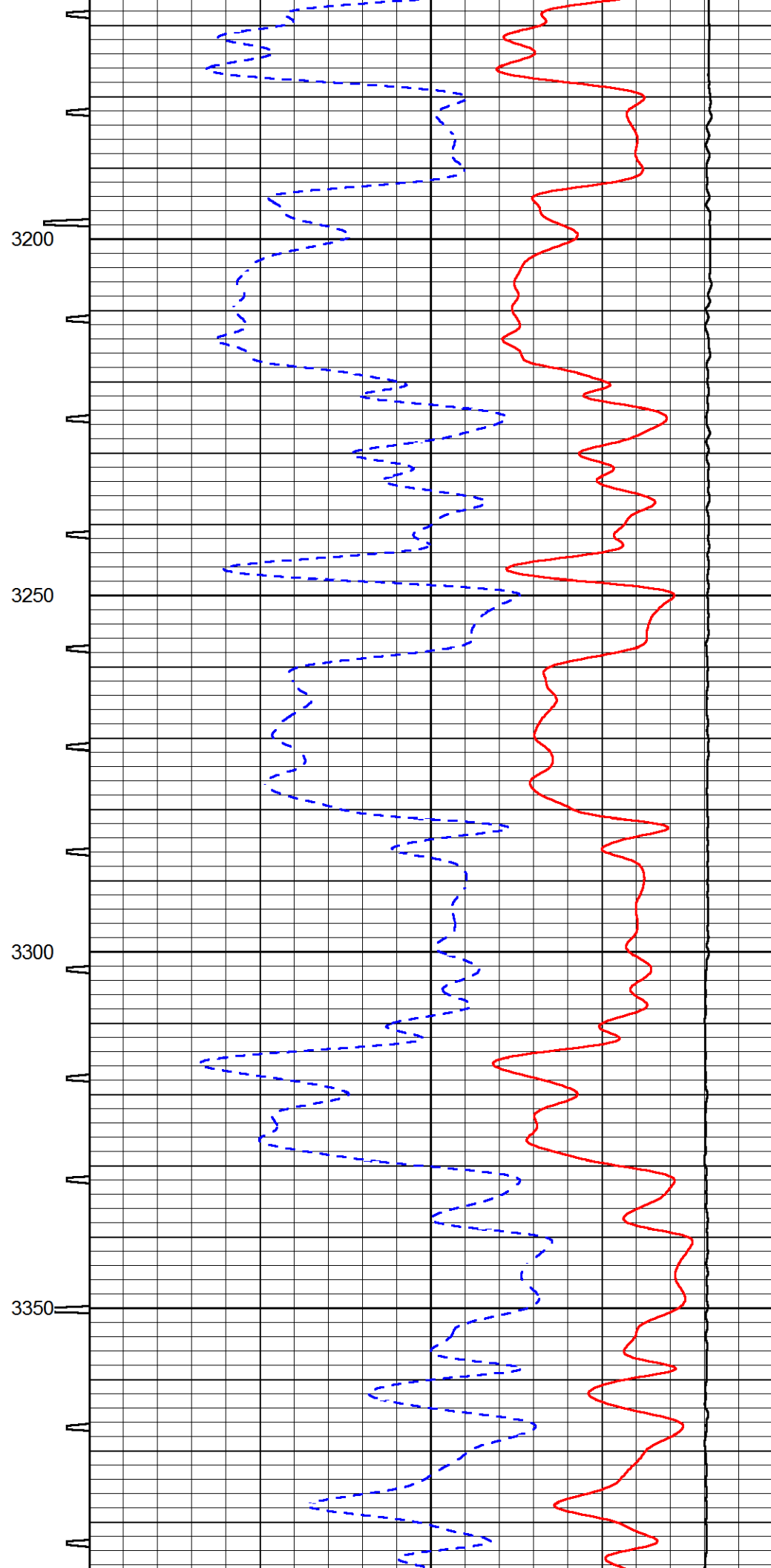
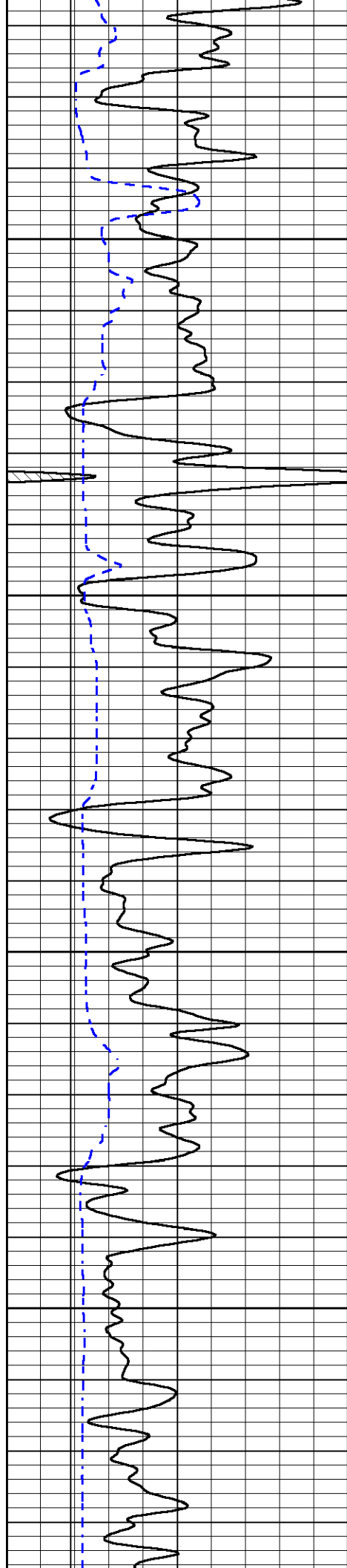


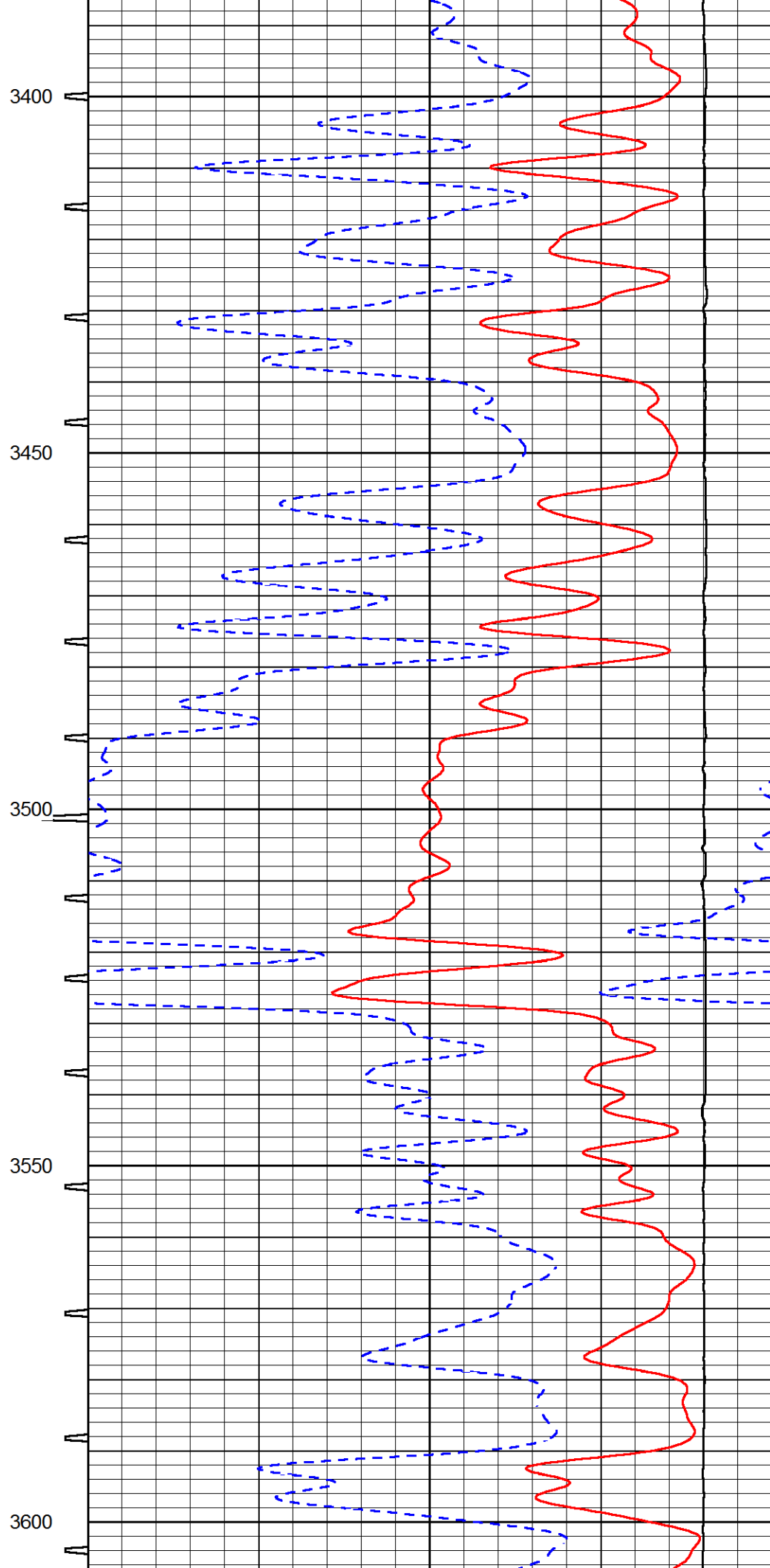
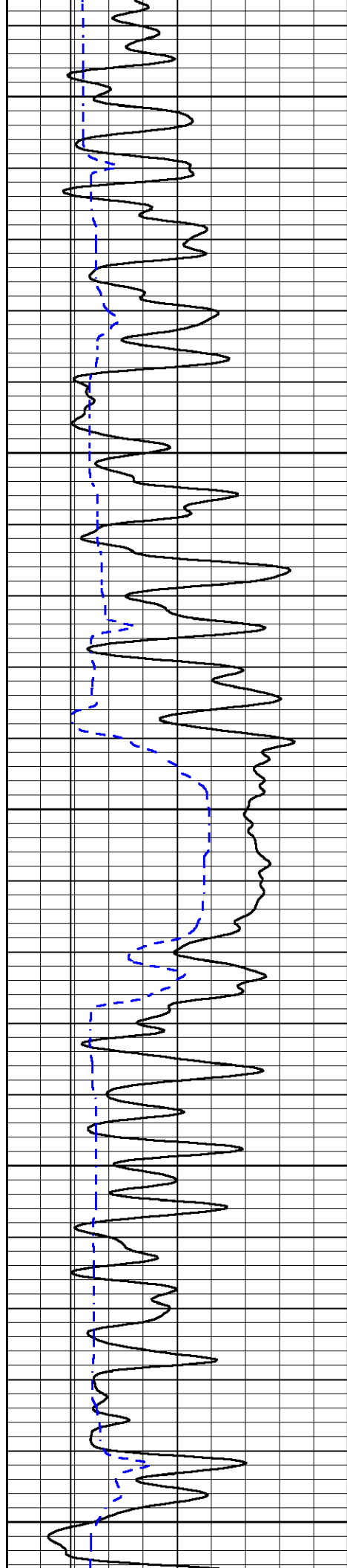


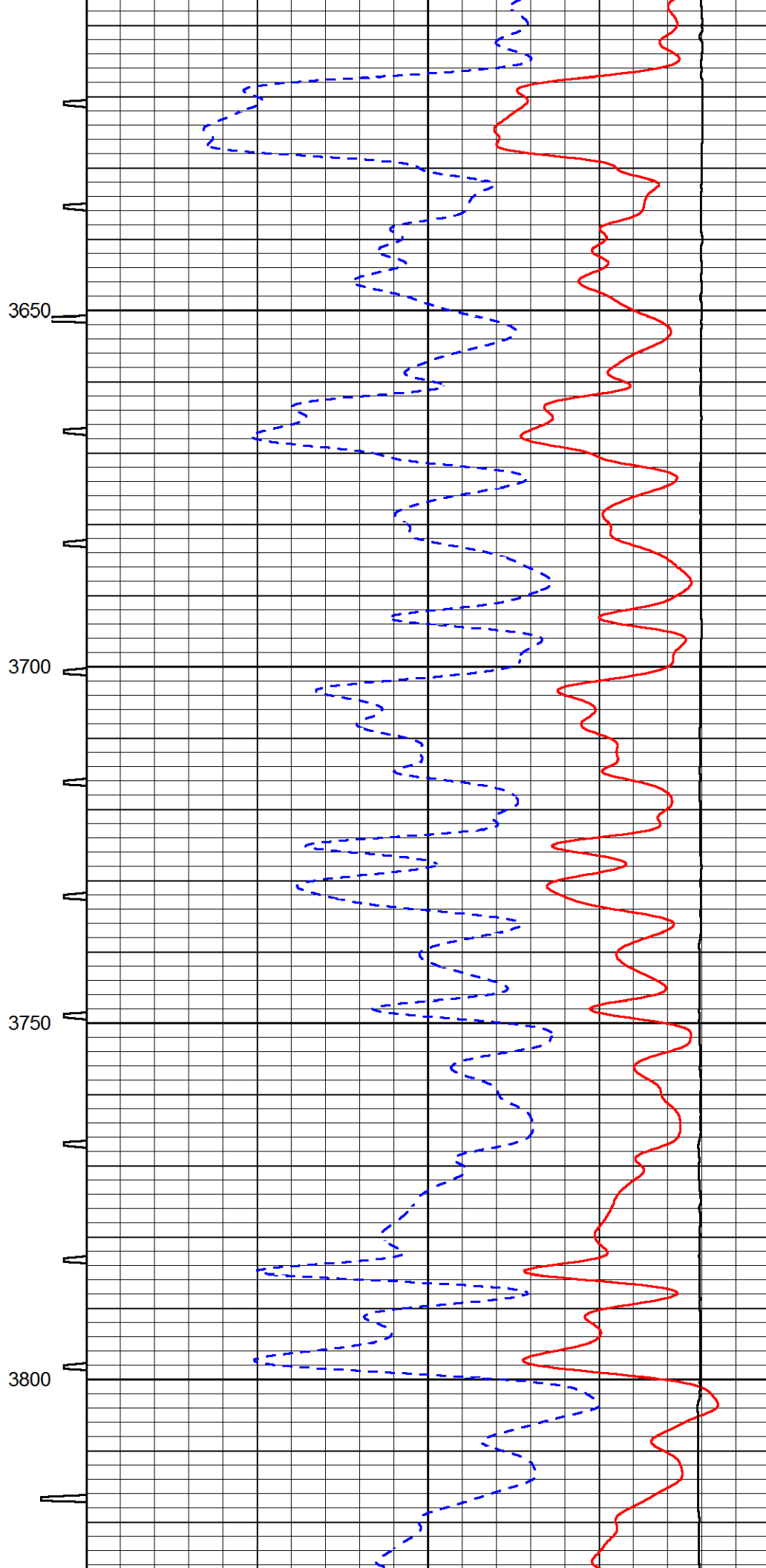
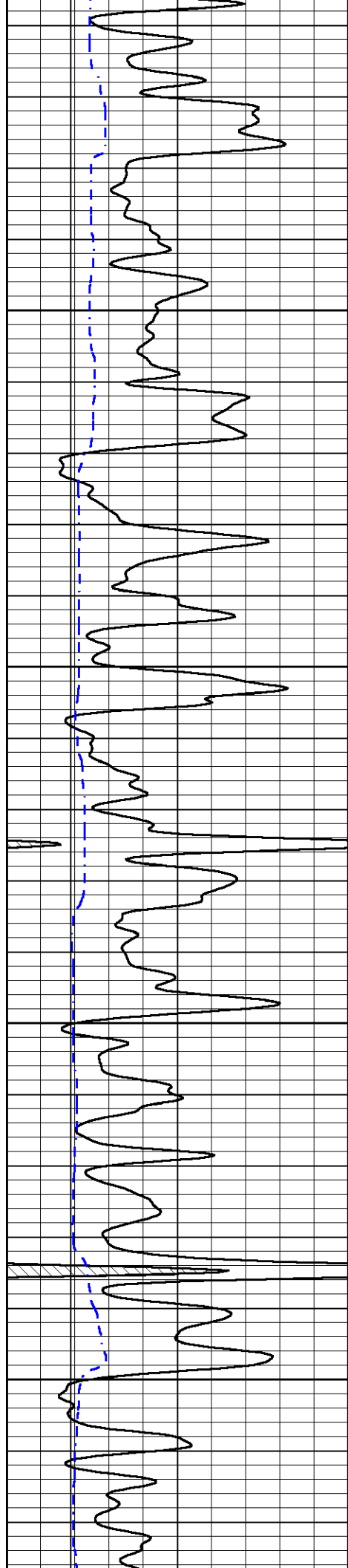


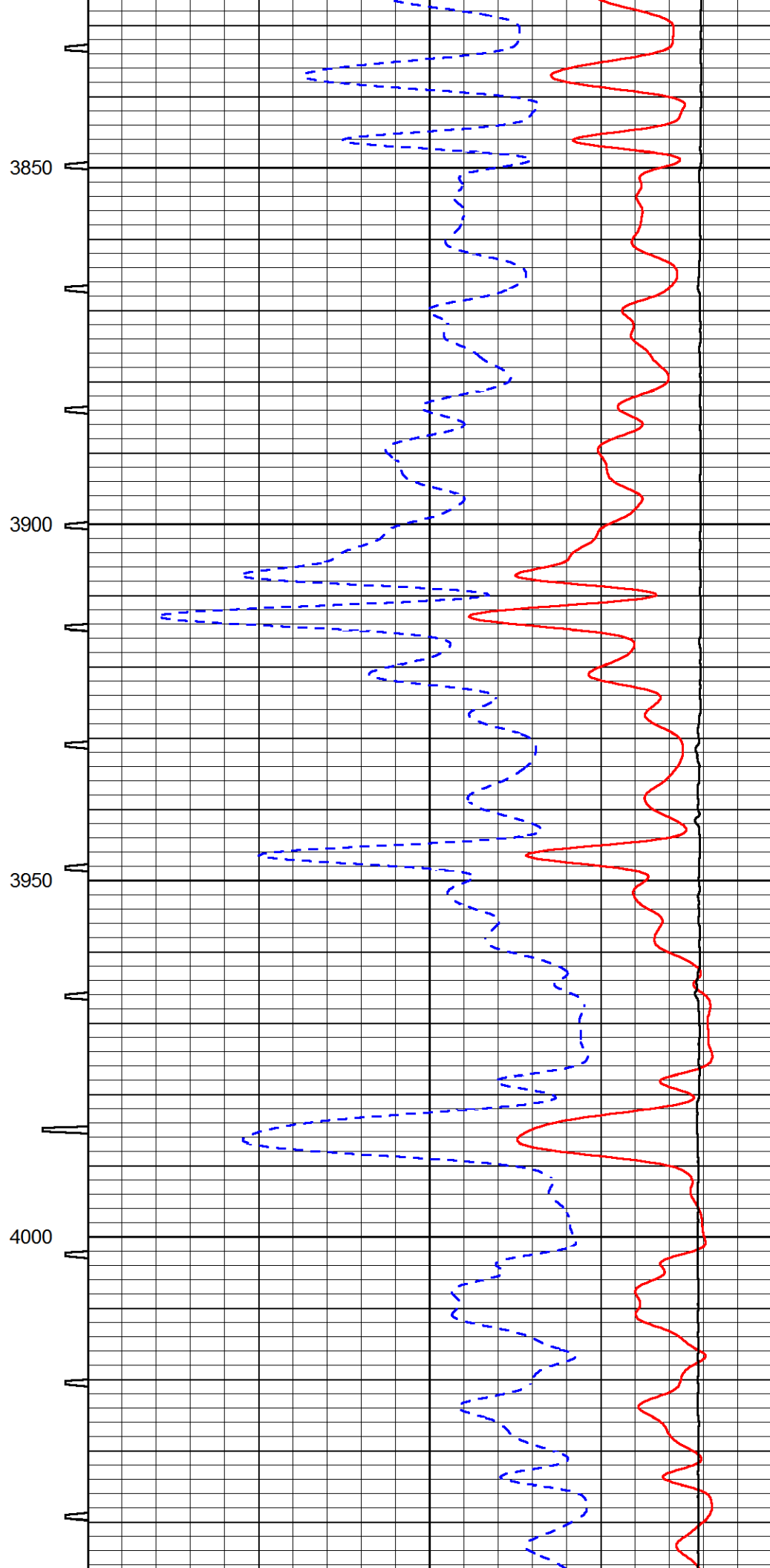
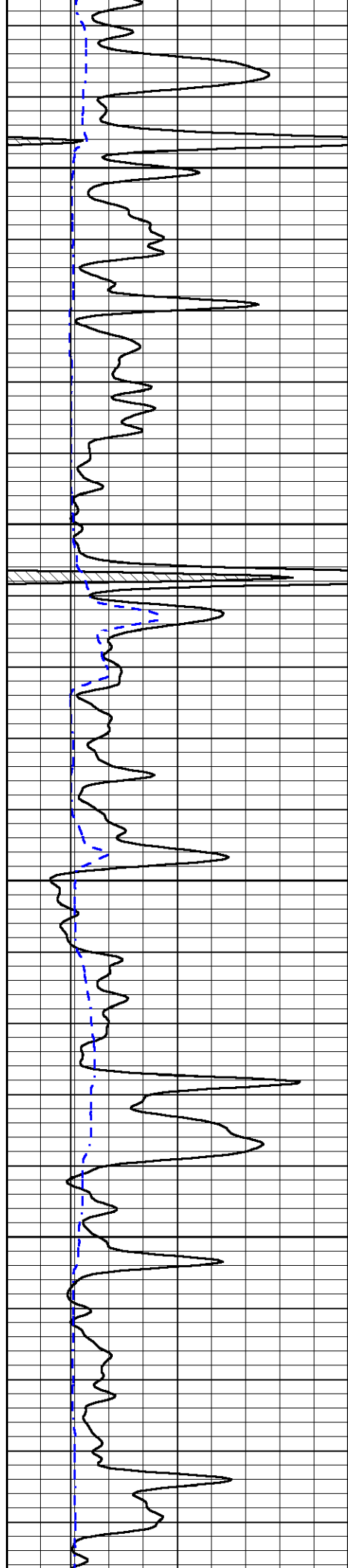


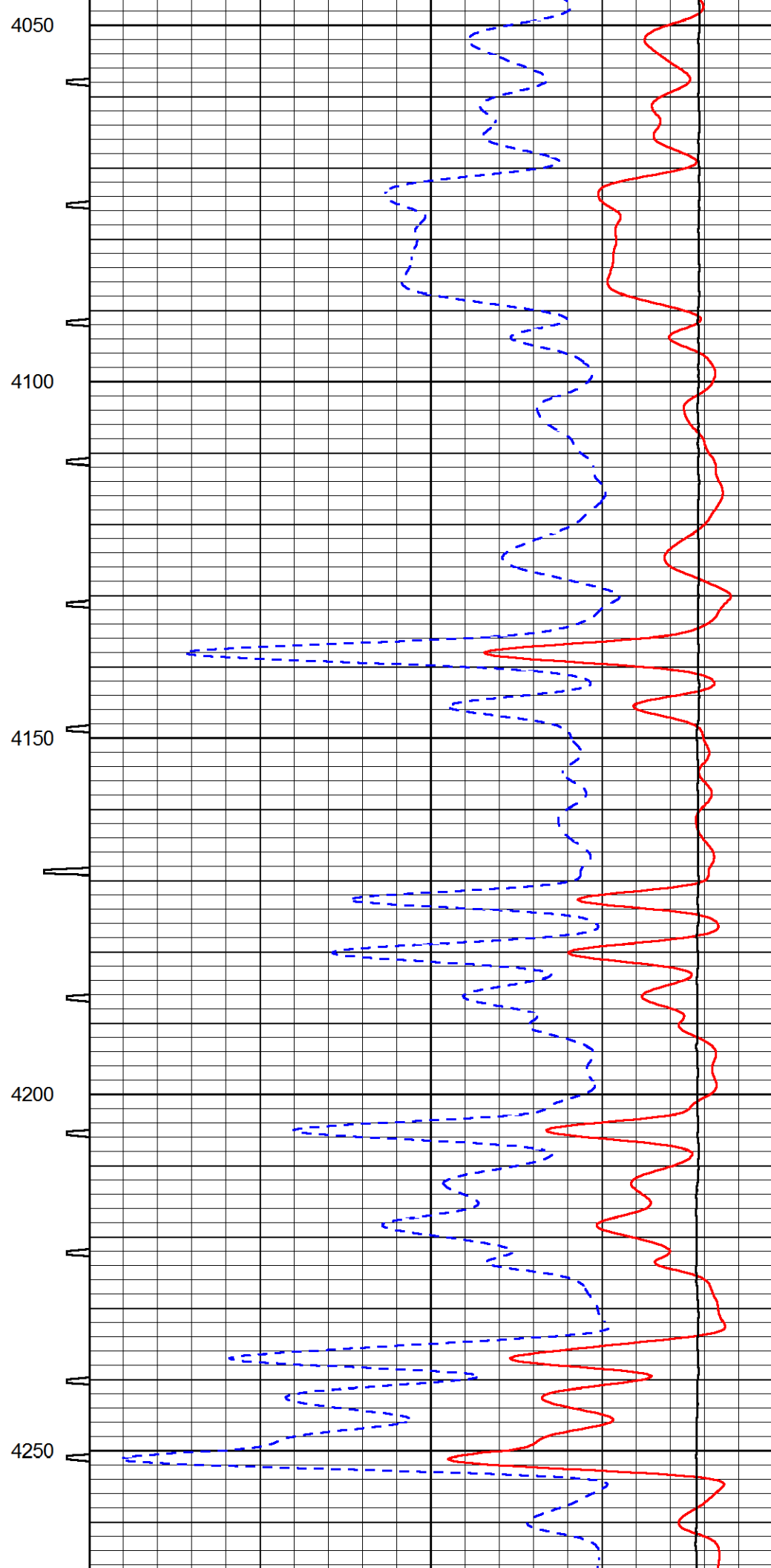
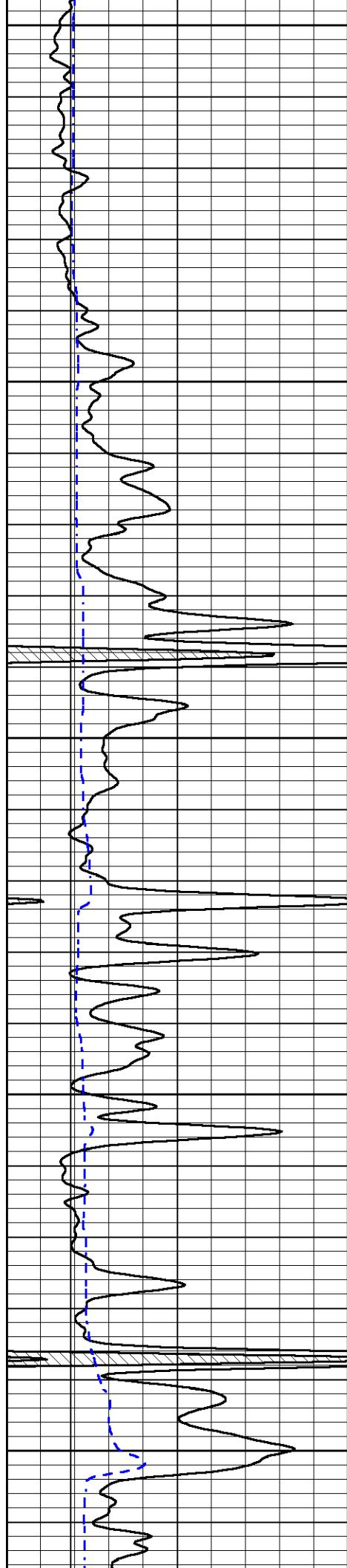


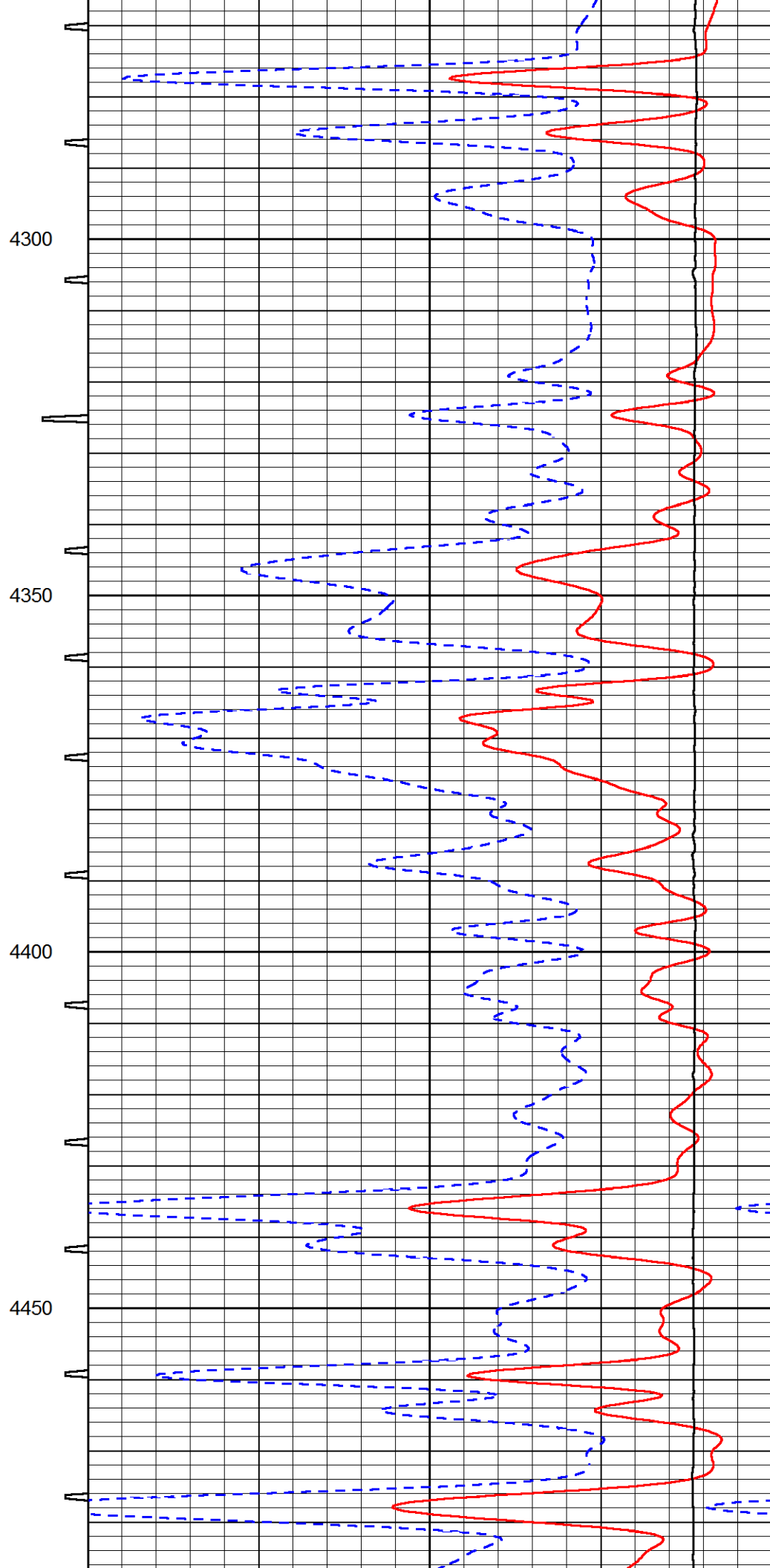
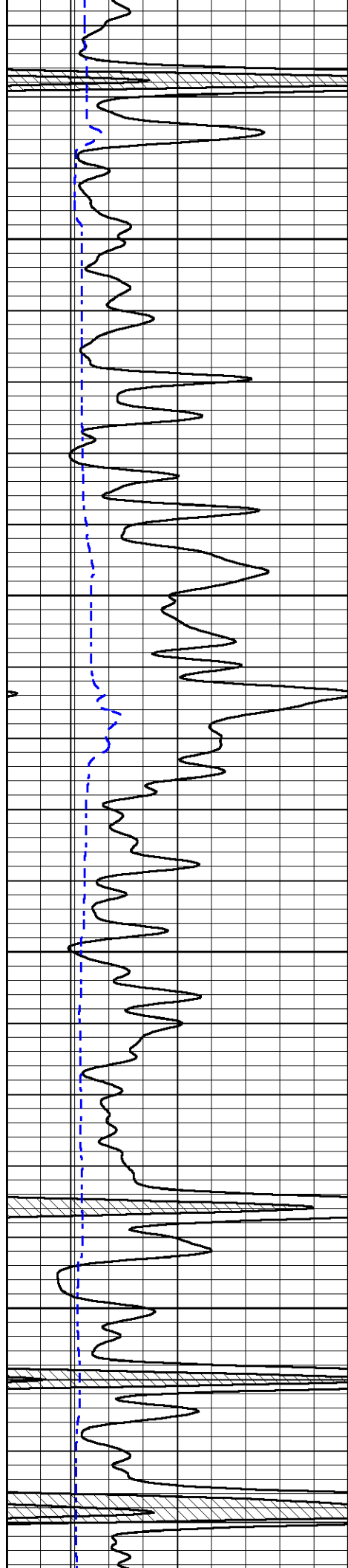


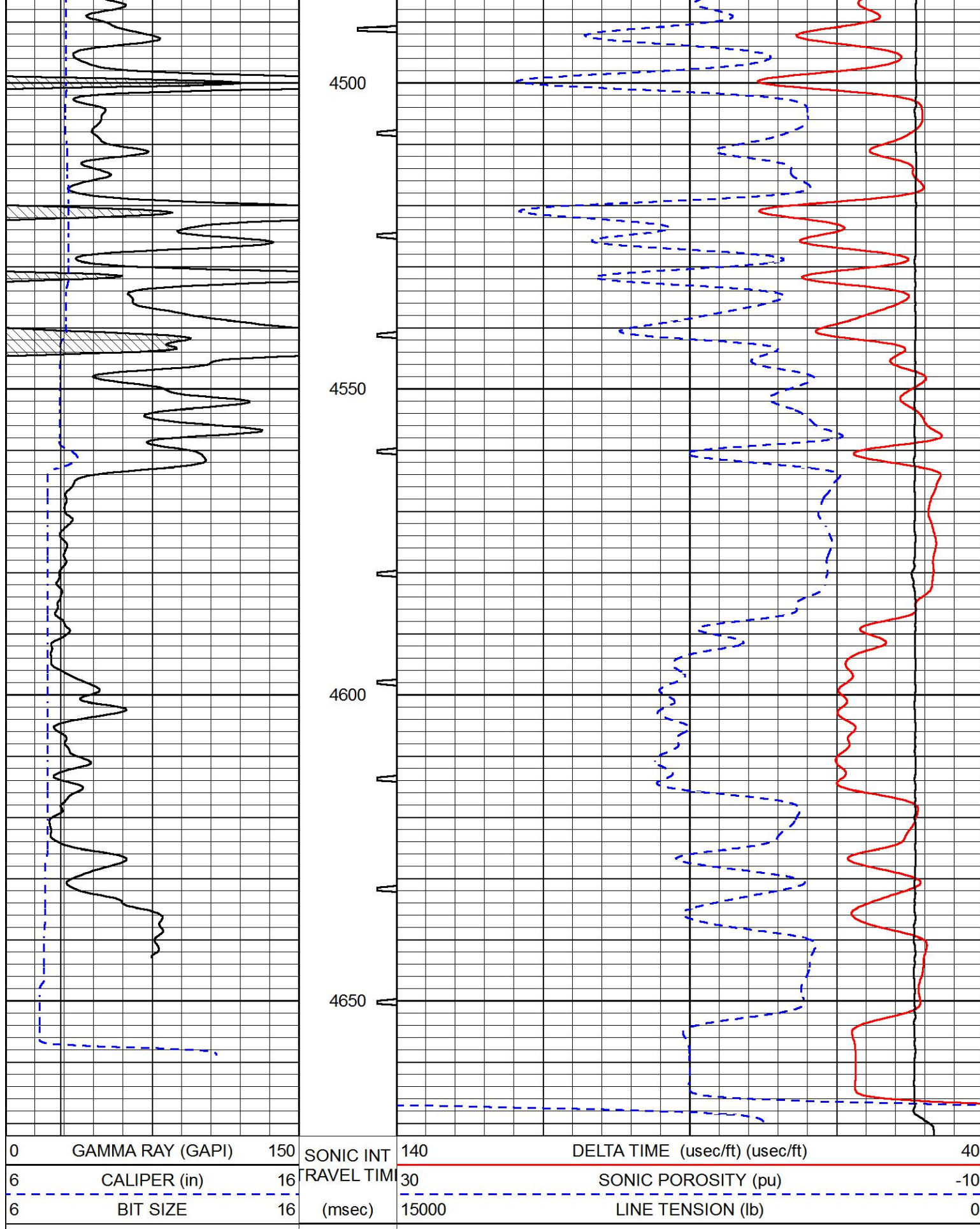












Database File

marexco_stucky_14_2.db

Dataset Pathname

stack/pass2.1

Presentation Format

sonic

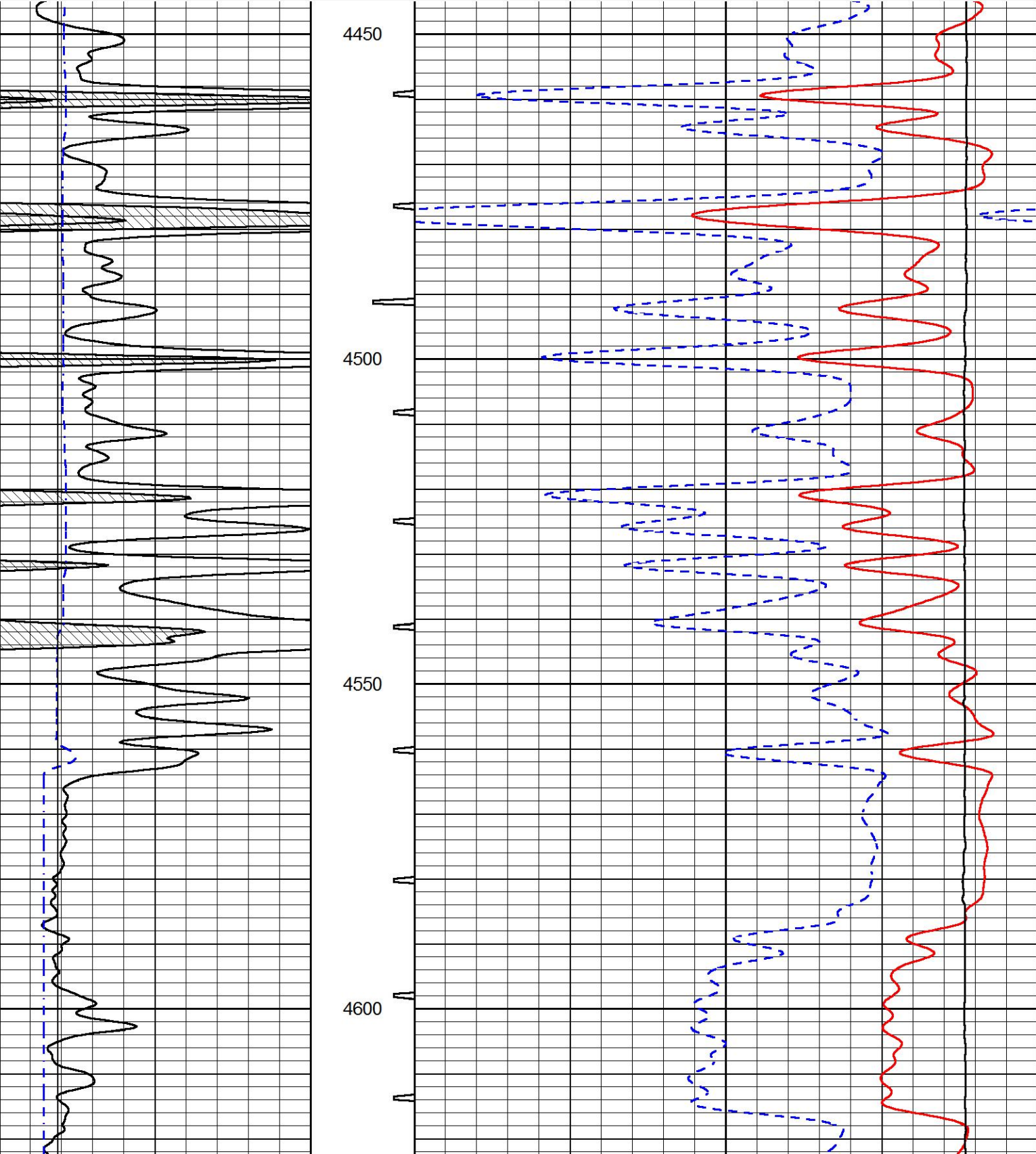
Dataset Creation

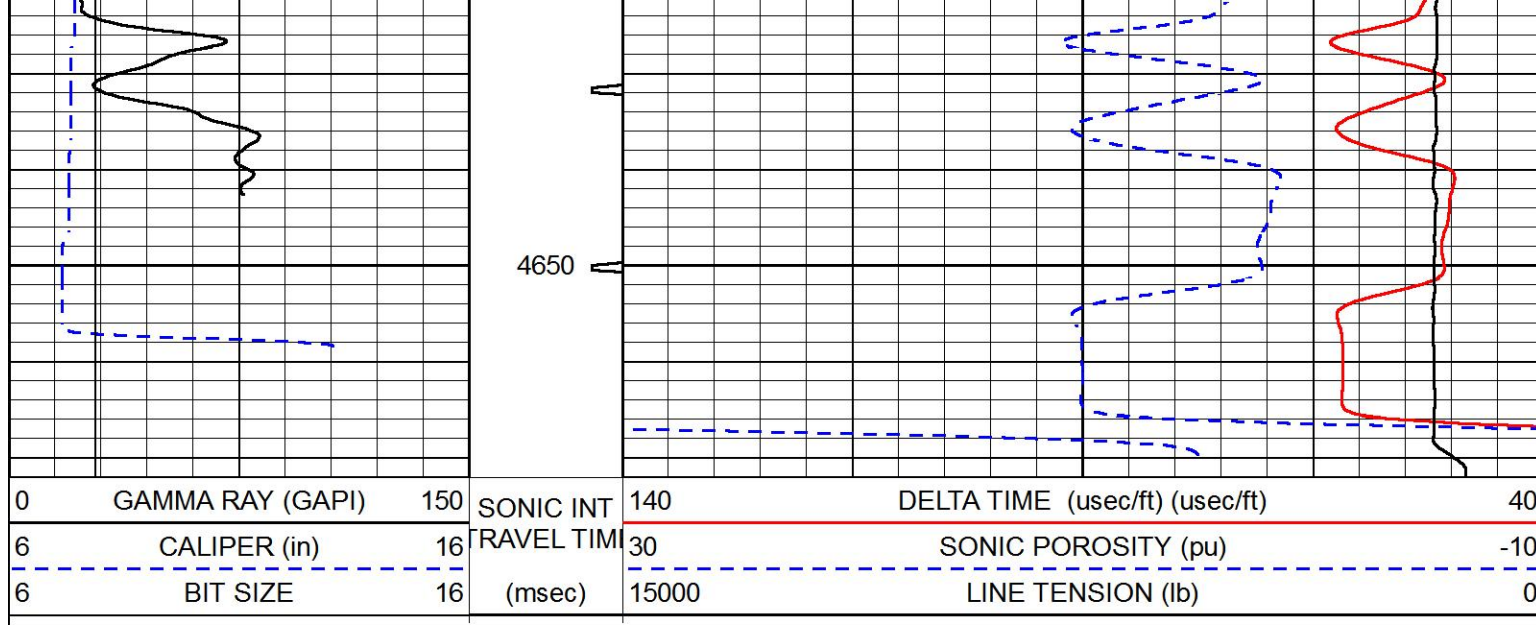
Wed May 01 13:08:22 2019

Charted by

Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	SONIC INT	140	DELTA TIME (usec/ft) (usec/ft)	40
6	CALIPER (in)	16	RAVEL TIME	30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0





		Company	MAREXCO, INC.
		Well	STUCKY #14-2
		Field	WILDCAT
		County	SCOTT
		State	KANSAS