



PIONEER

Pioneer Energy Services

**BOREHOLE COMPENSATED
SONIC LOG**

Company MURFIN DRILLING COMPANY, INC.

Well DORSCH #1-24
Field WILDCAT
County CHEYENNE
State KANSAS

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Location: API #: 15-023-21533-00-00

Other Services

SEC 24 TWP 2S RGE 38W
2310' FSL & 1980' FEL

DIL/MEL
CNL/CDL

Permanent Datum GROUND LEVEL Elevation 3373'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 3378'
D.F. N/A
G.L. 3373'

Date 2/25/2020

Run Number TWO

Type Log BHCS

Depth Driller 5100'

Depth Logger 5103'

Bottom Logged Interval 5092'

Top Logged Interval 300'

Type Fluid In Hole CHEMICAL

Salinity, PPM CL 600

Density 9.2

Level FULL

Max. Rec. Temp. F 127 DEG/F

Operating Rig Time 4 HOURS

Equipment -- Location P-108 HAYS

Recorded By J. HENRICKSON

Witnessed By BRAD RINE

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
ONE	12.25"	0	306'	8.625"	24#	0	306'
TWO	7.875"	306'	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.

BIRD CITY KANSAS
NORTH TO U ROAD, 1/2 EAST, NORTH 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: BRAD RINE
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\murfin_dorsch_1_24.db
Dataset field/well/stackml/pass3.1/_vars_

Top - Bottom

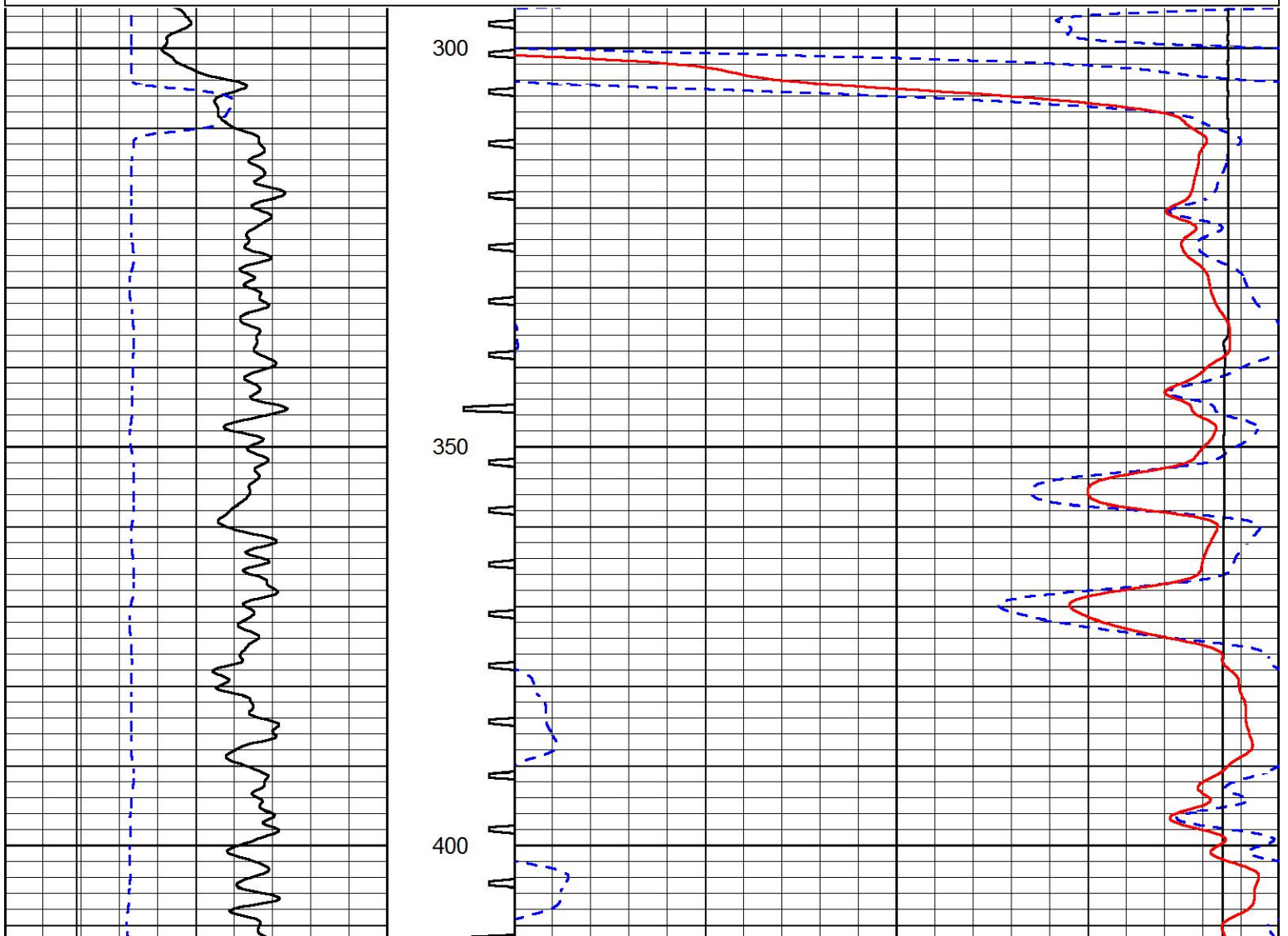
A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	127	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	400	50	Off	5103

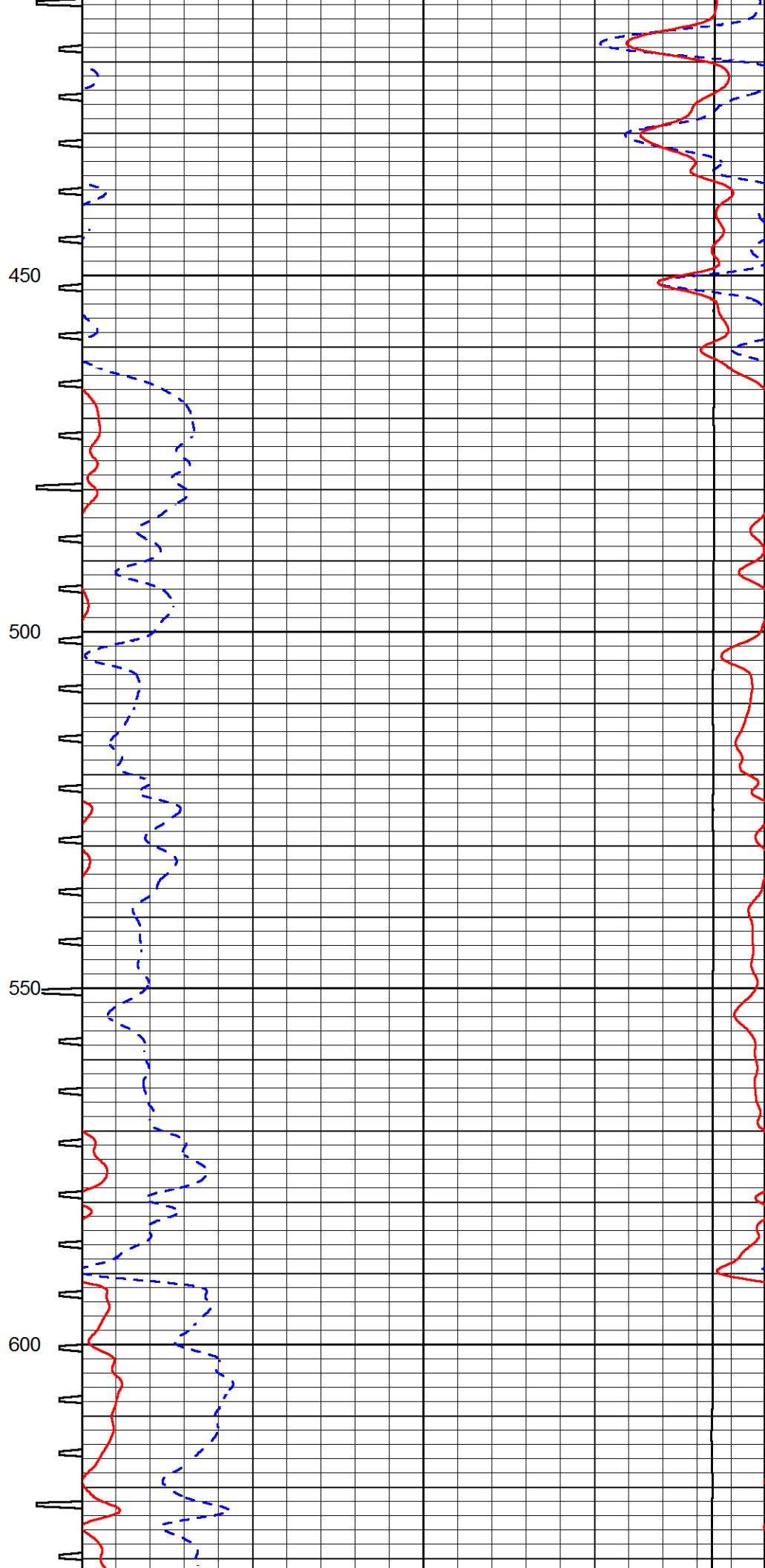
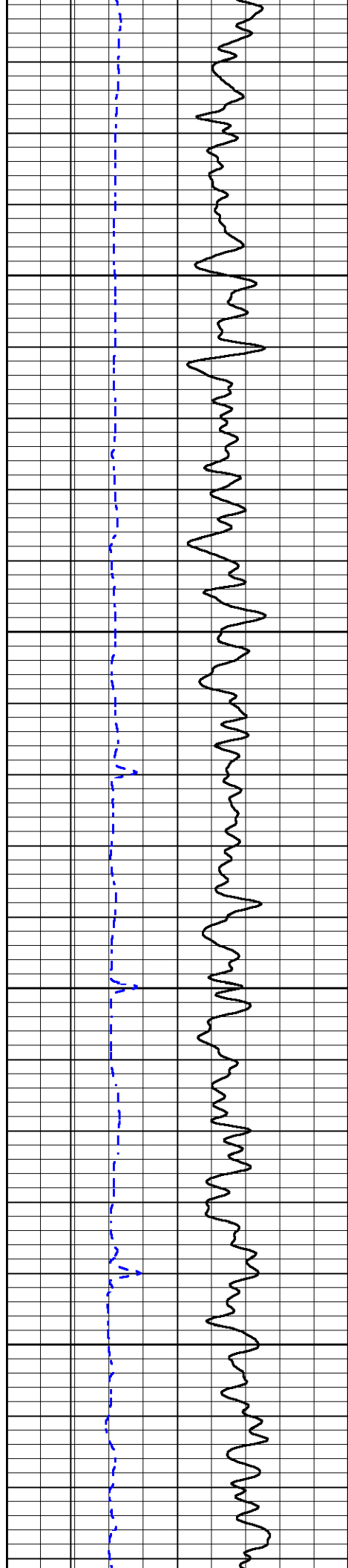


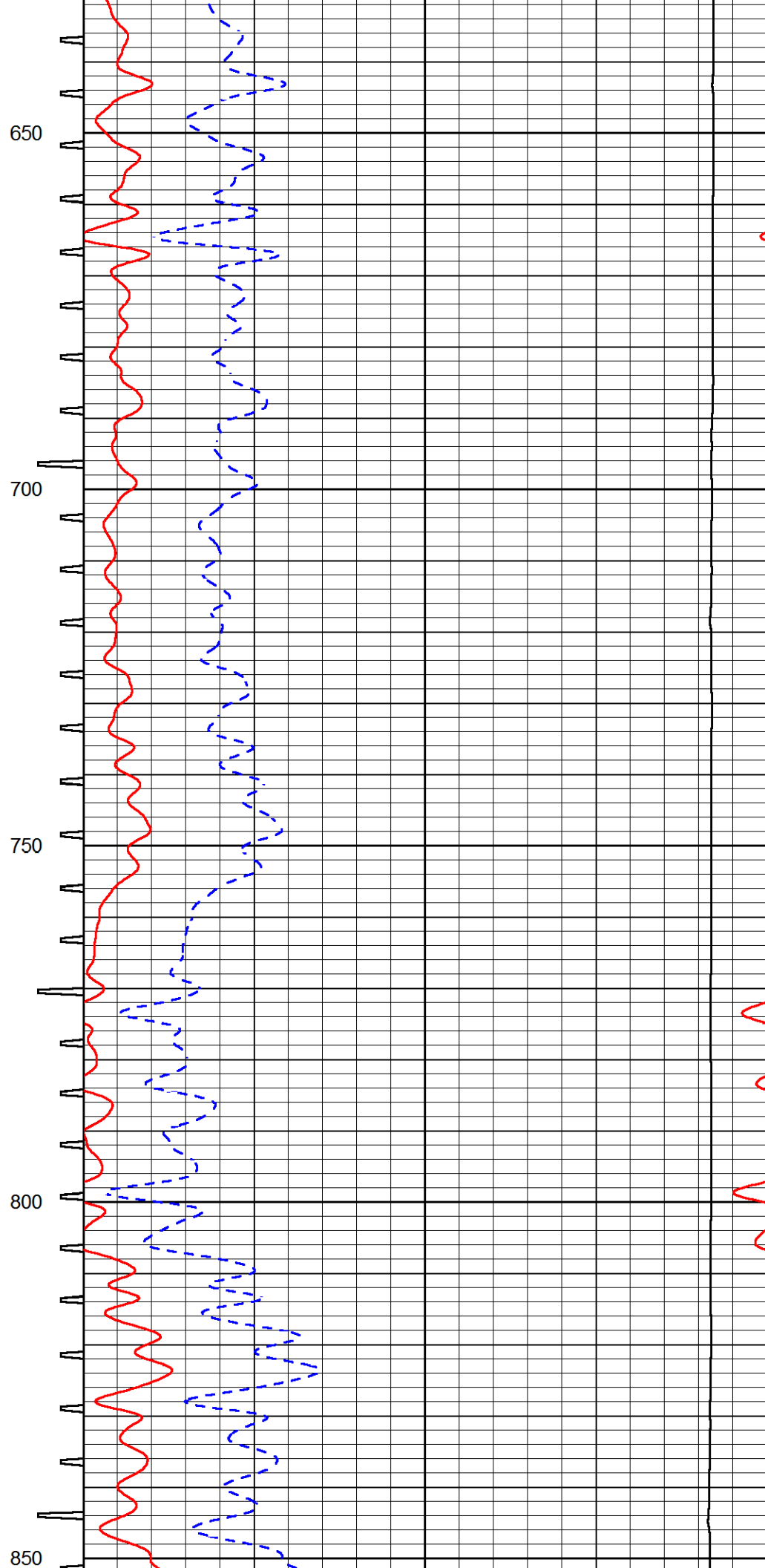
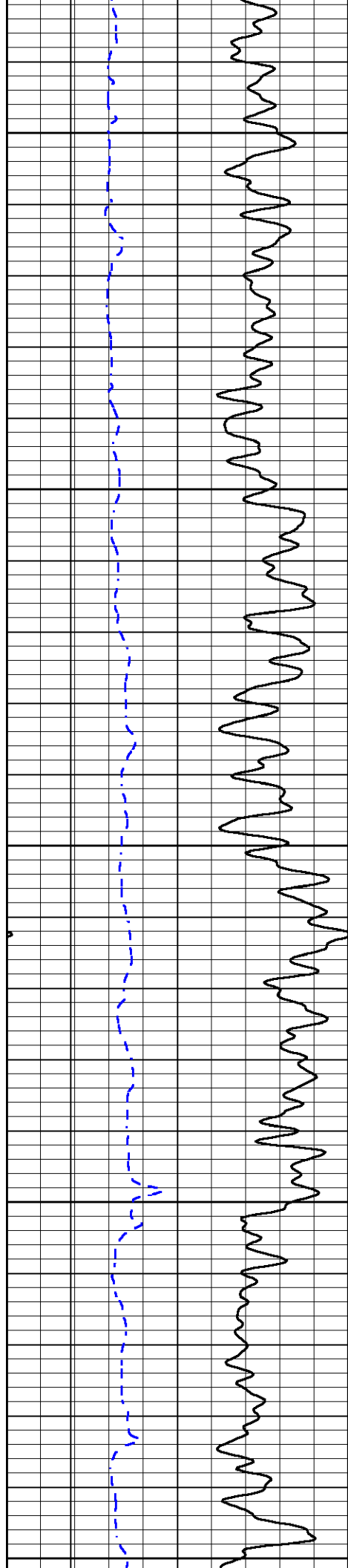
MAIN PASS

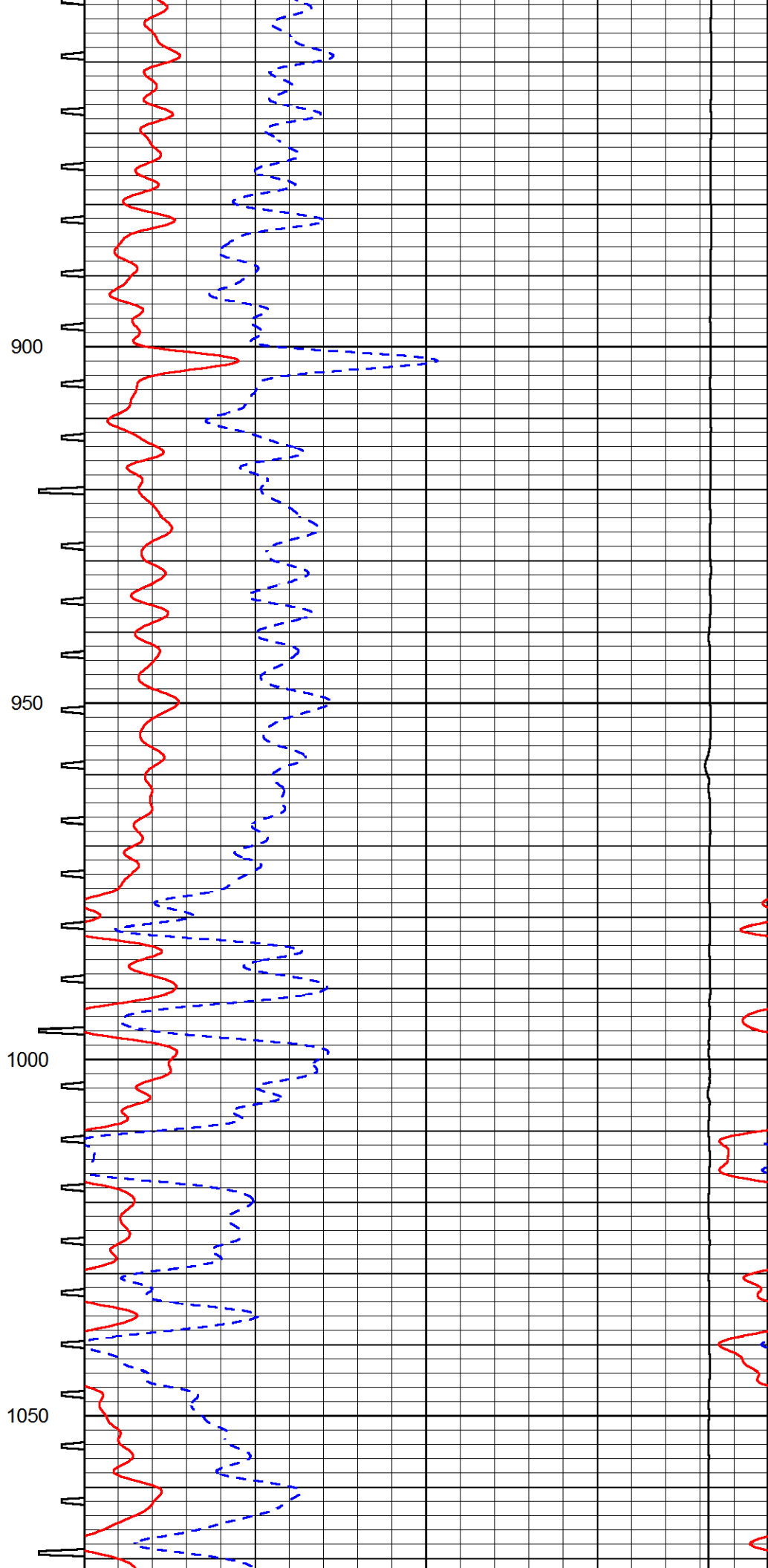
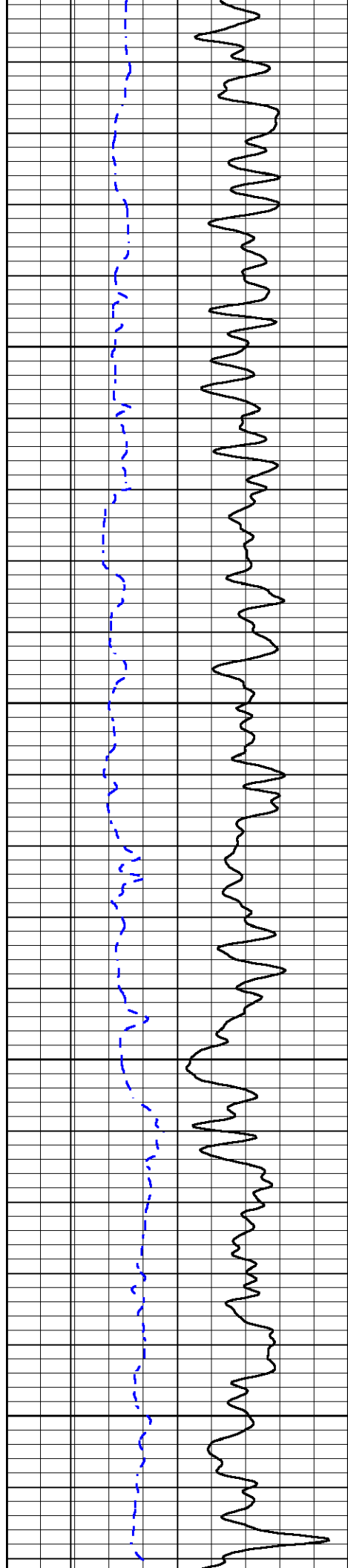
Database File murfin_dorsch_1_24.db
Dataset Pathname stackml/pass3.1
Presentation Format sonic
Dataset Creation Wed Feb 26 06:17:31 2020
Charted by Depth in Feet scaled 1:240

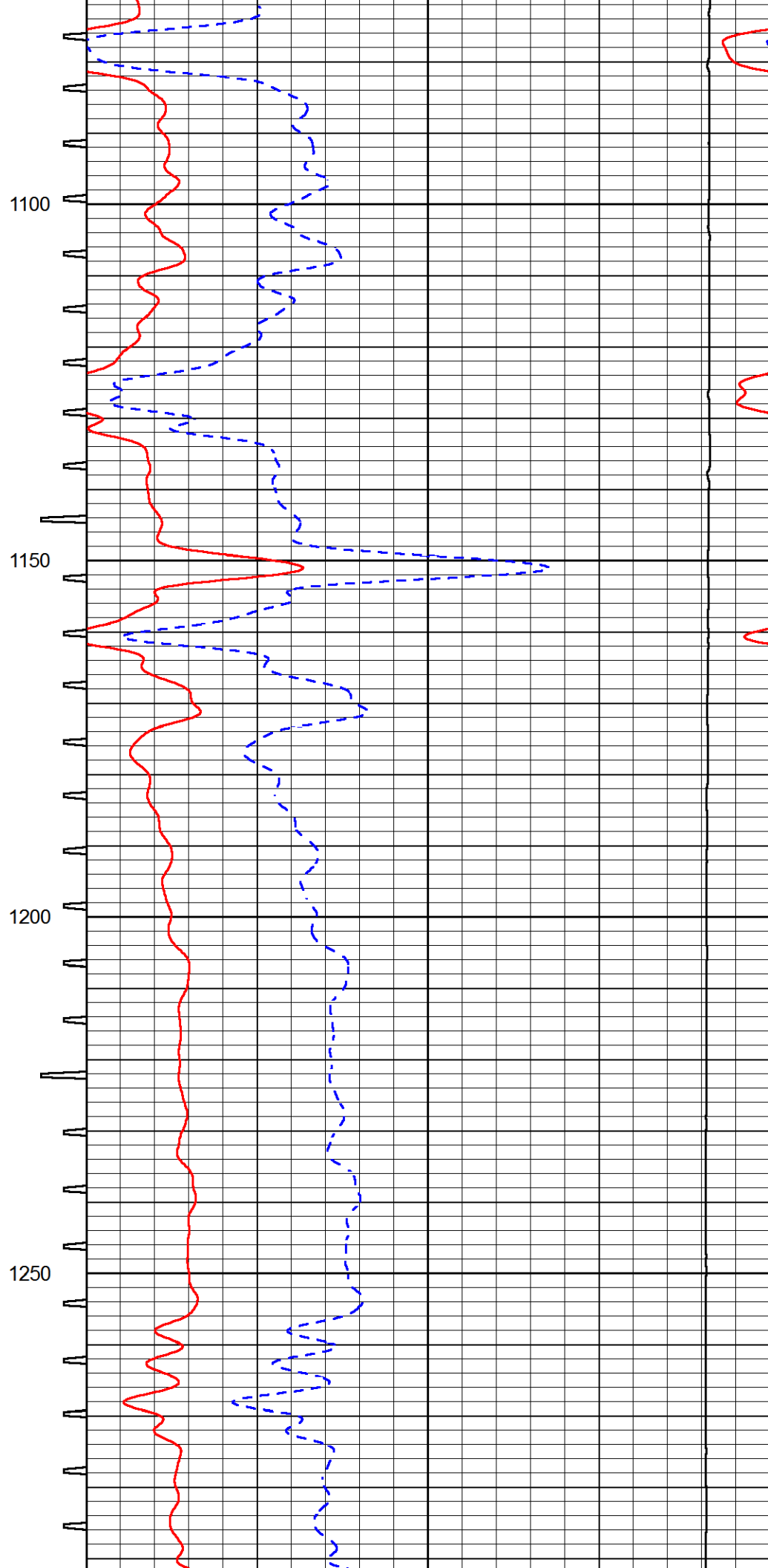
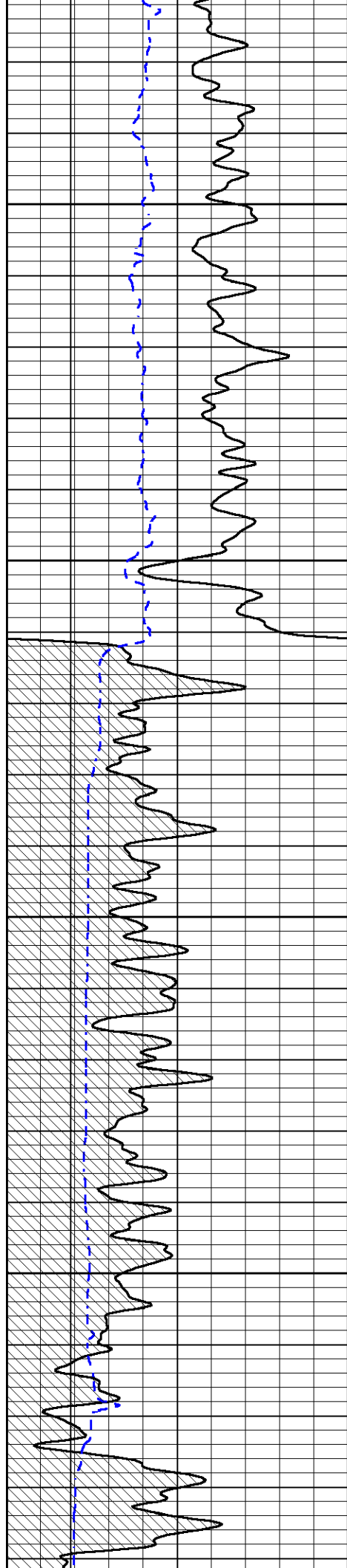
0	GAMMA RAY (GAPI)	150	SONIC INT	140	DELTA TIME (usec/ft) (usec/ft)	40
6	CALIPER (in)	16	TRAVEL TIME	30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0

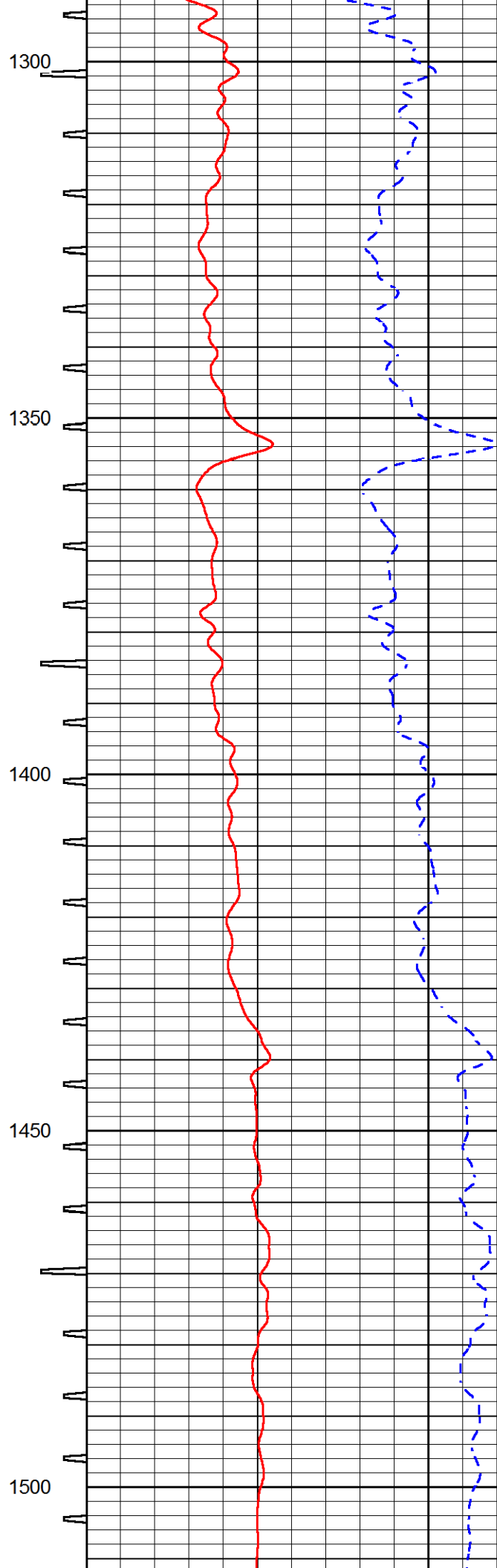
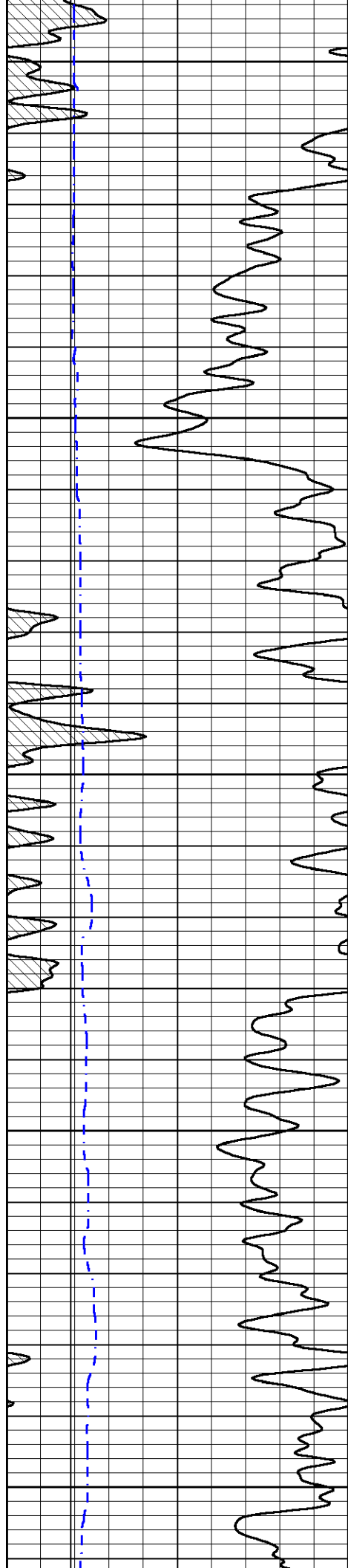


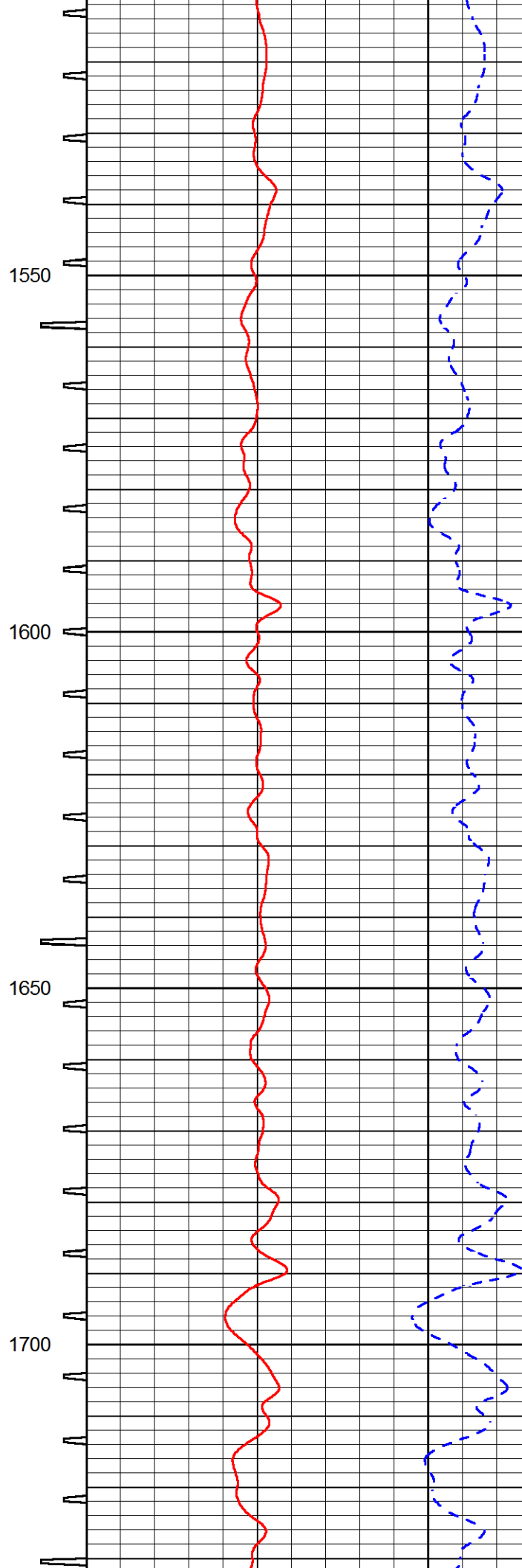
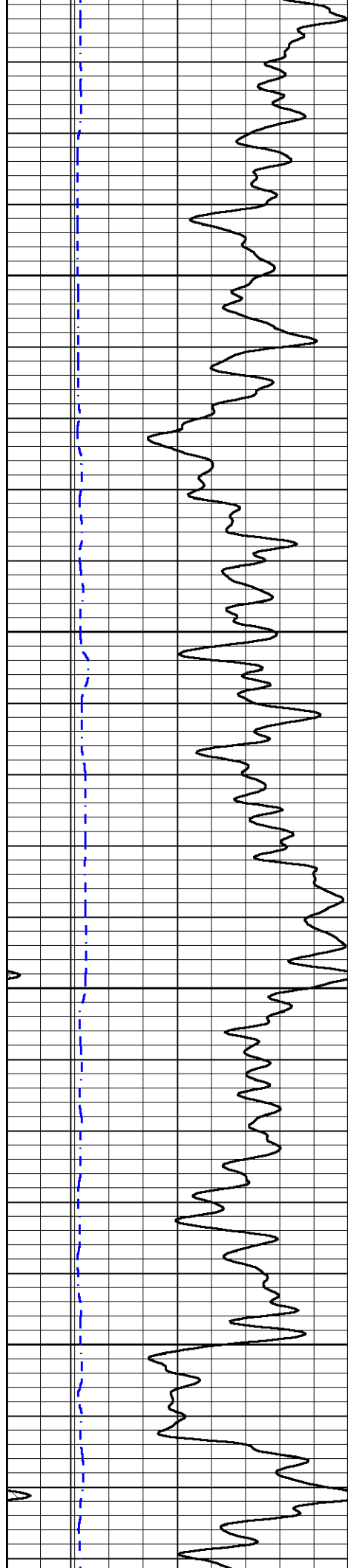


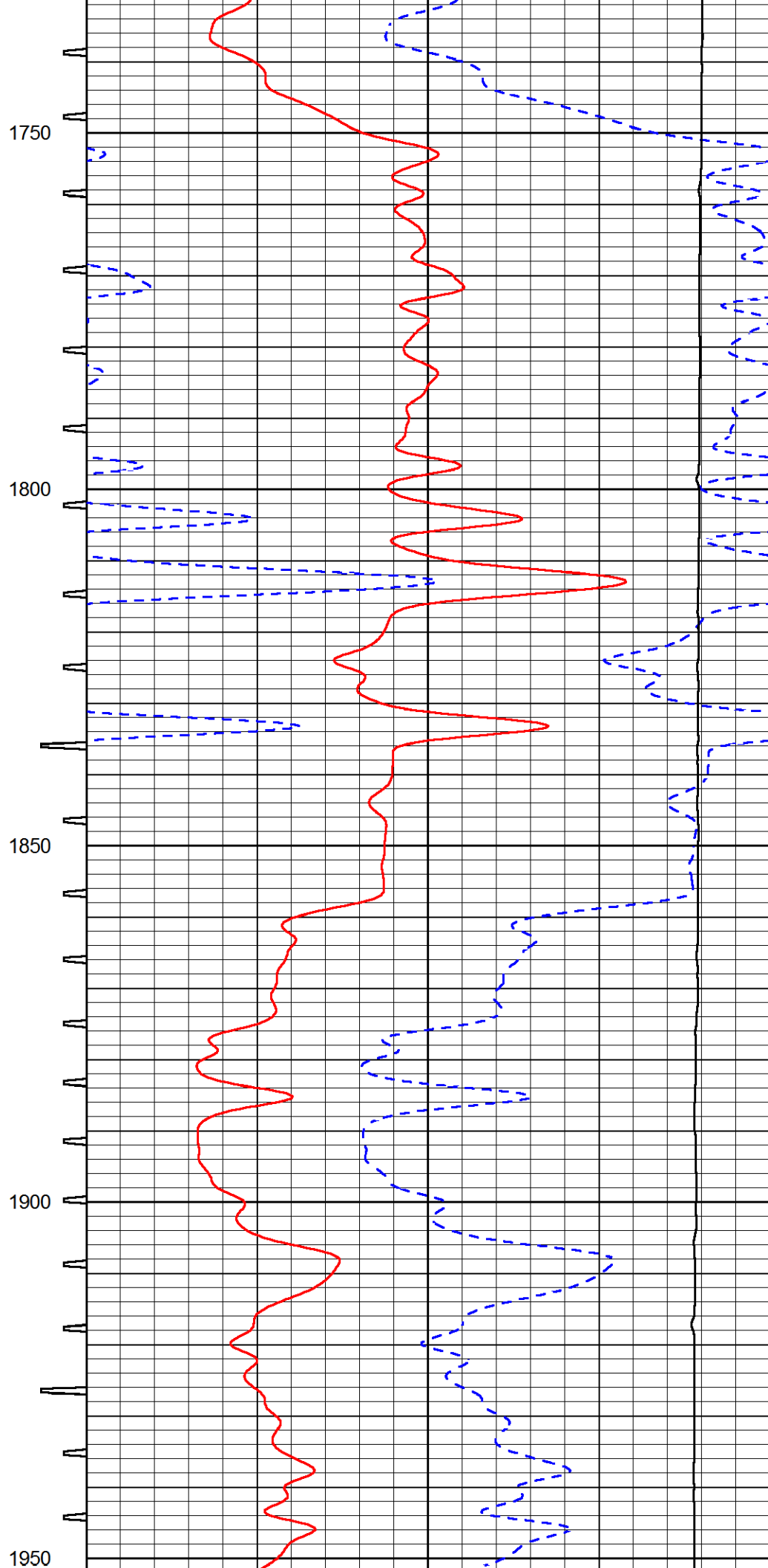
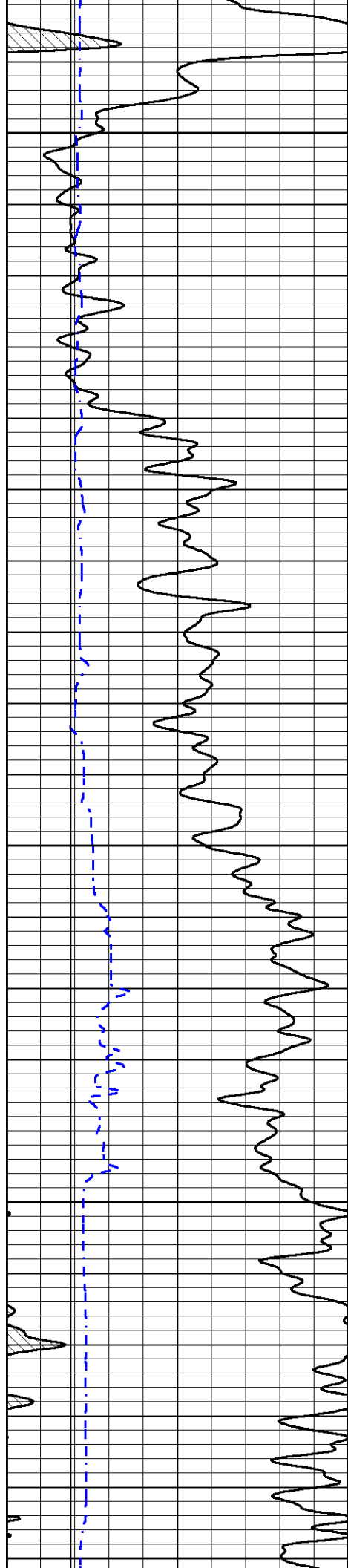


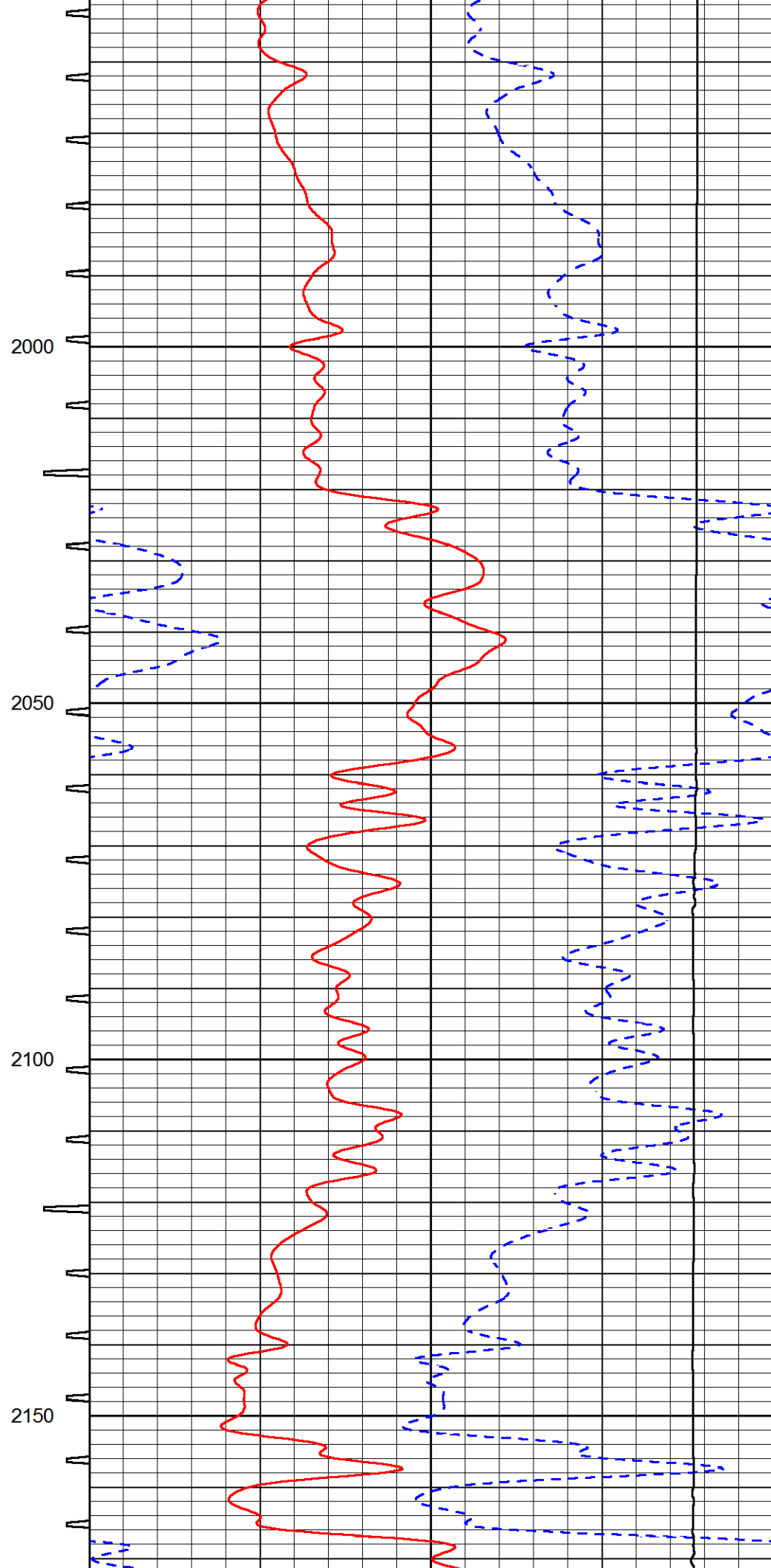
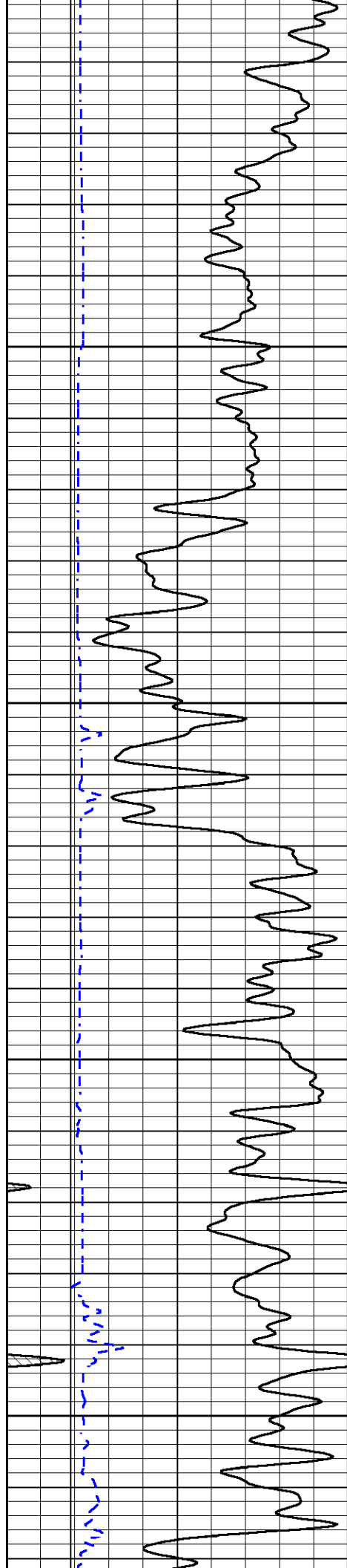


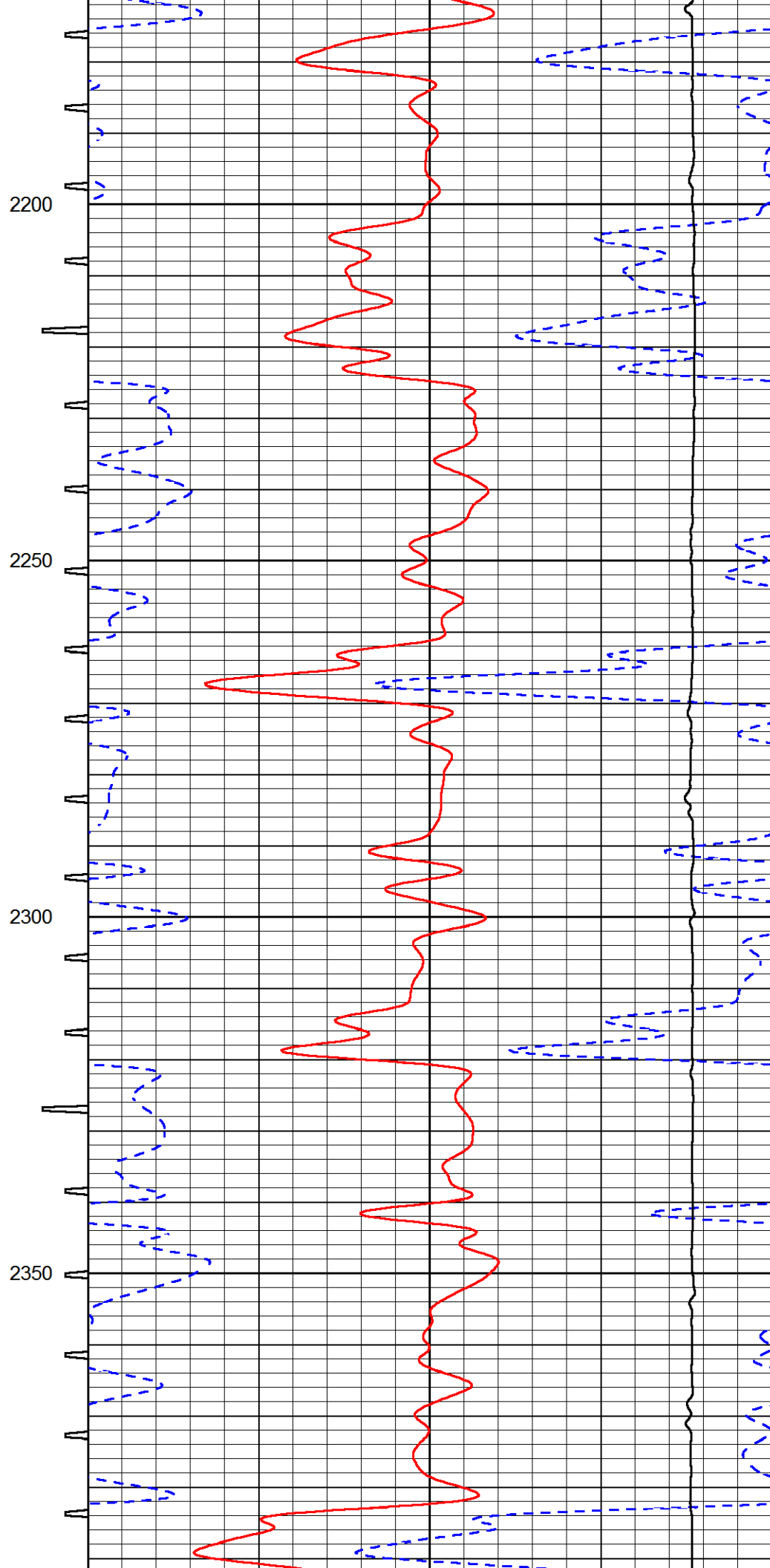
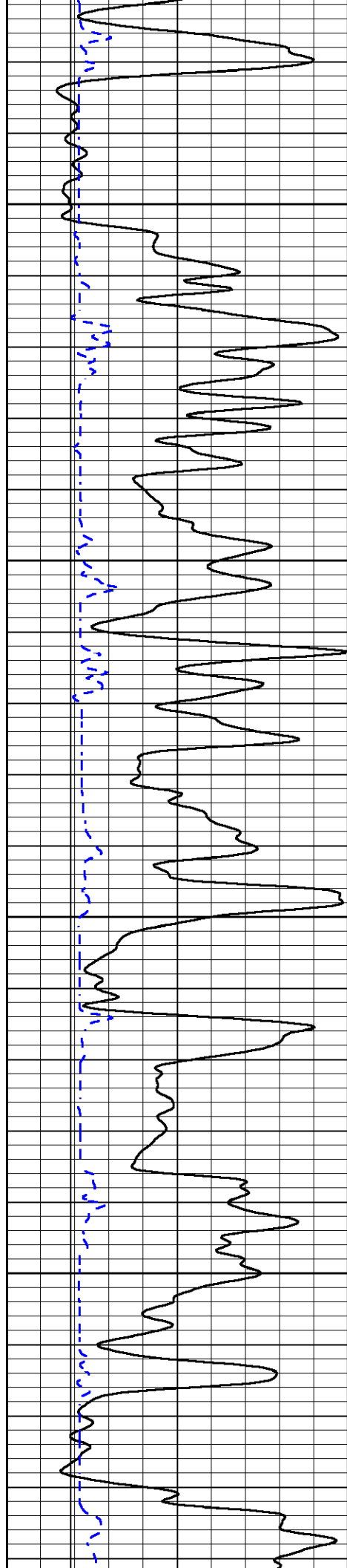


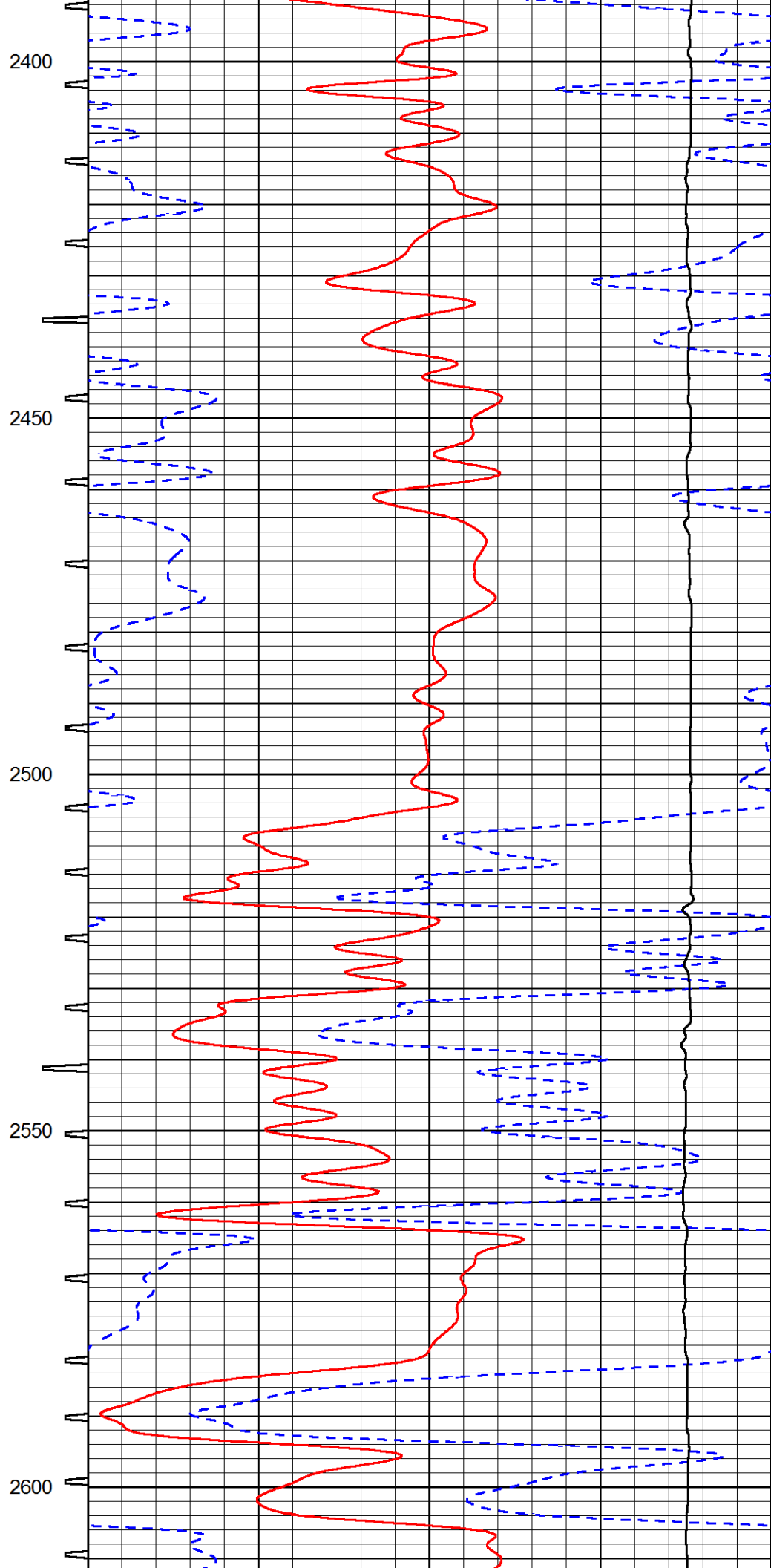
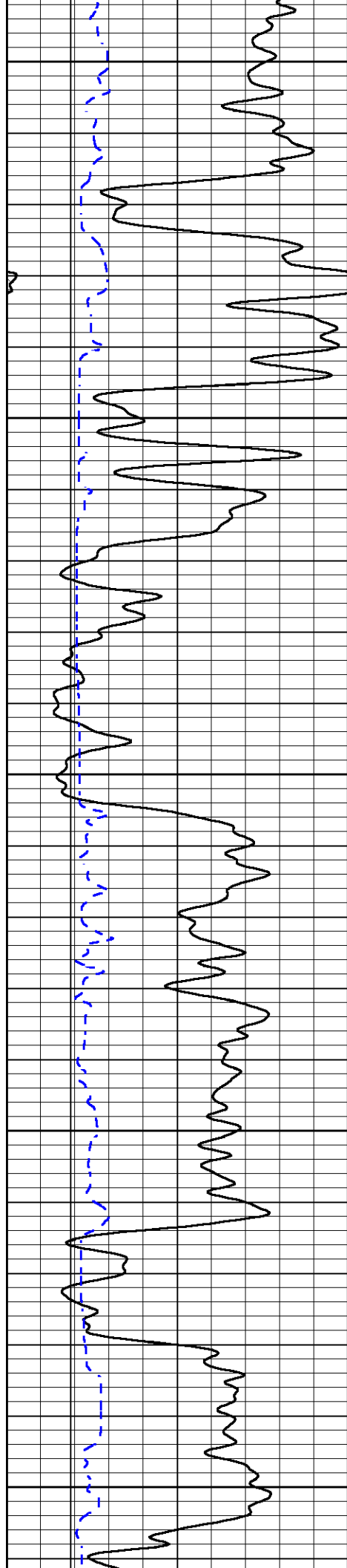


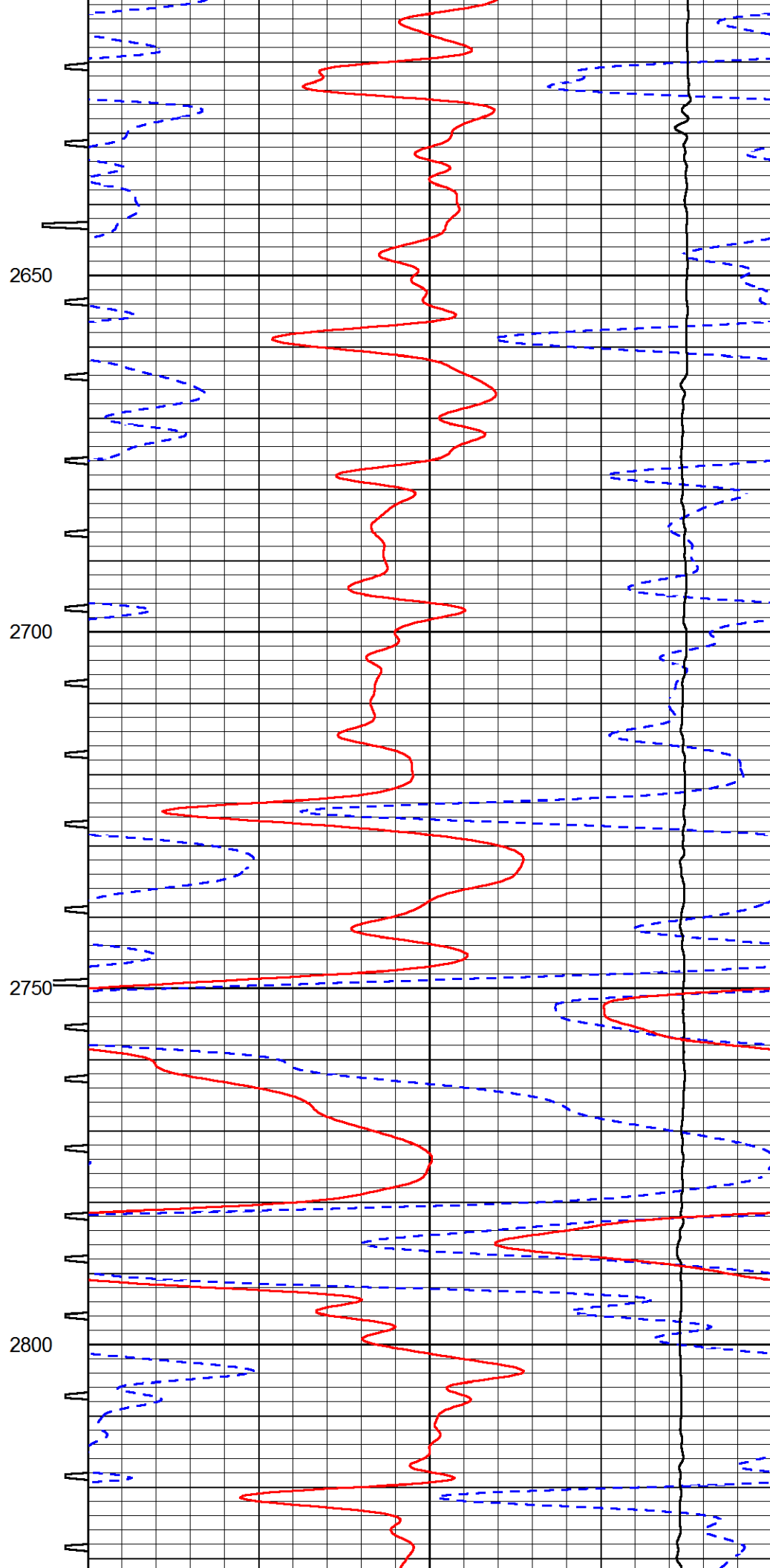
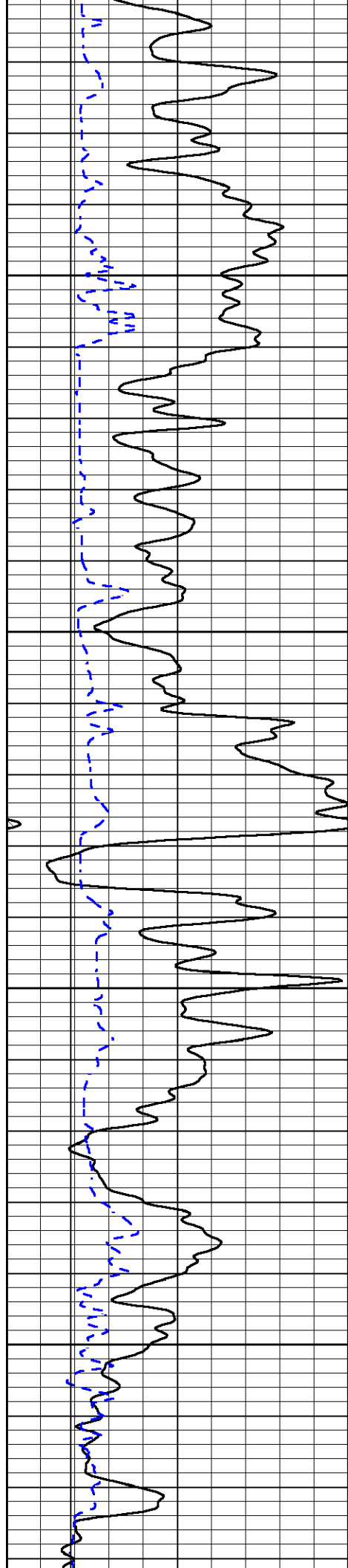


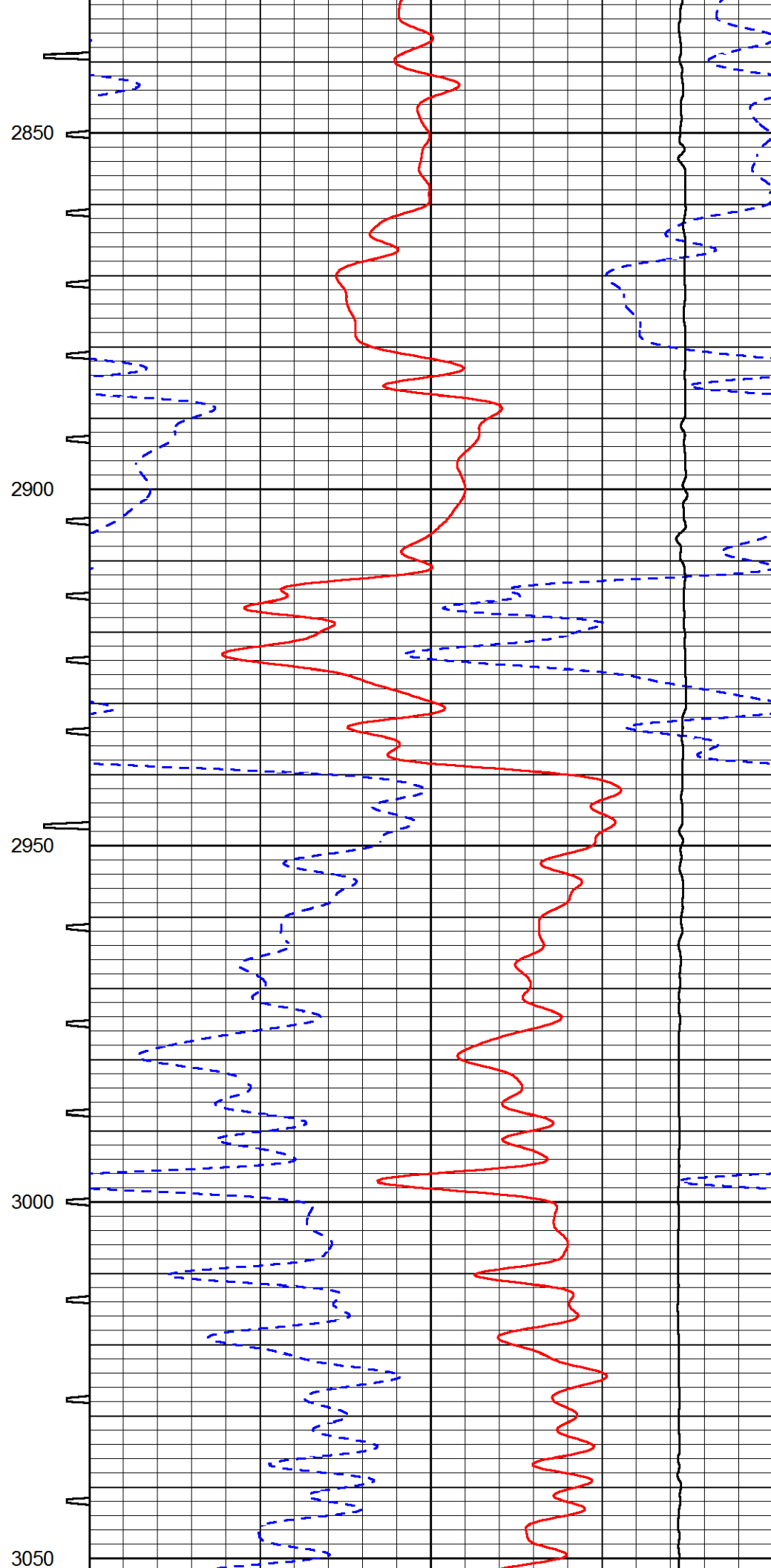
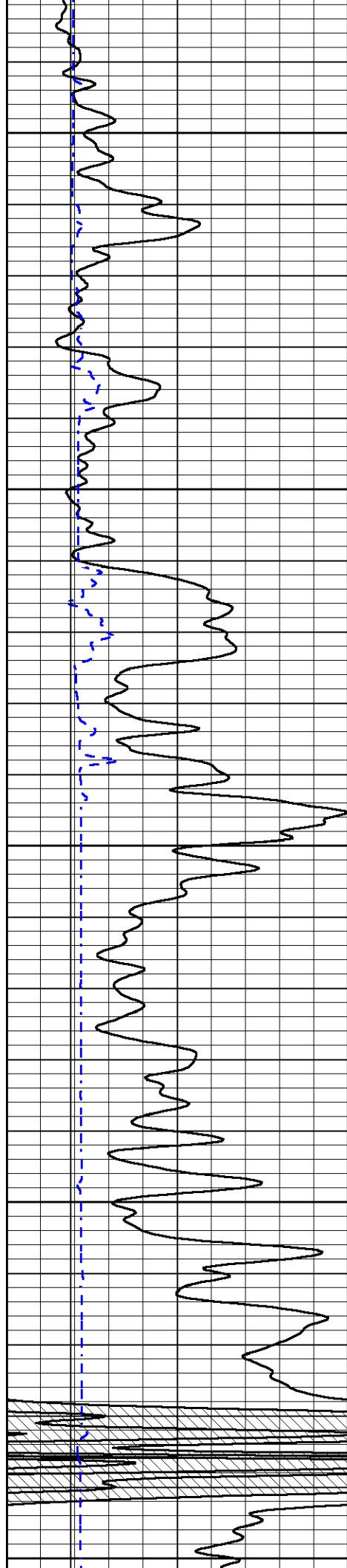


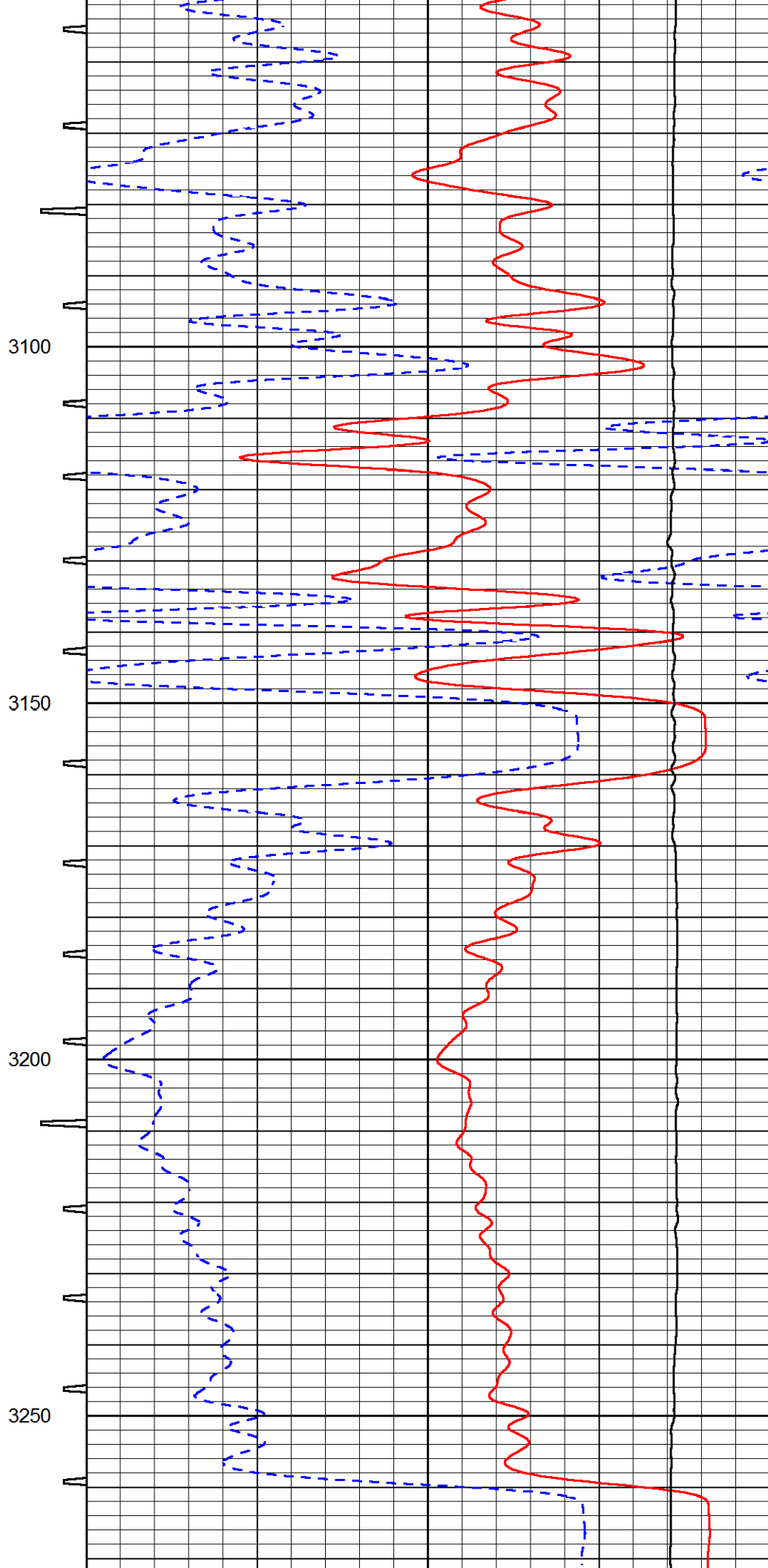
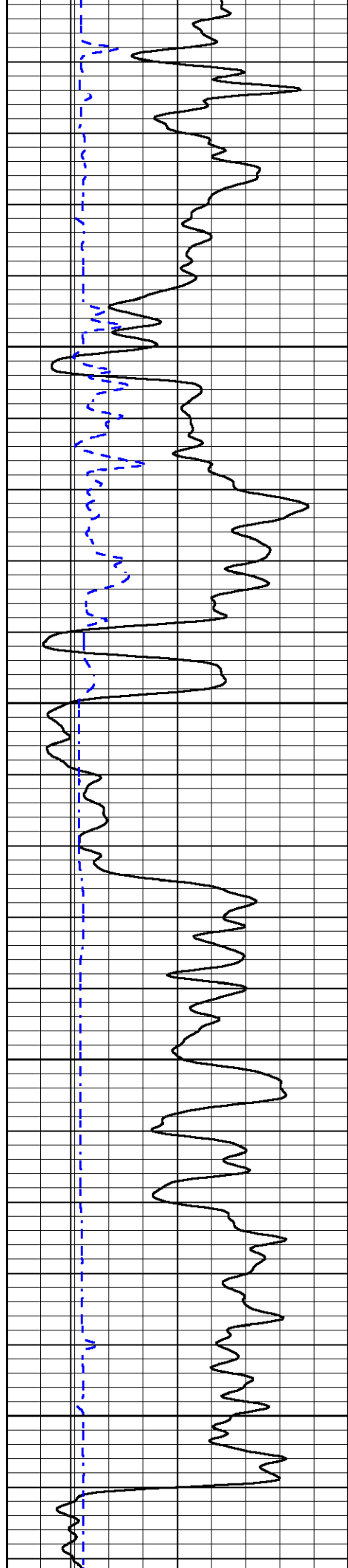


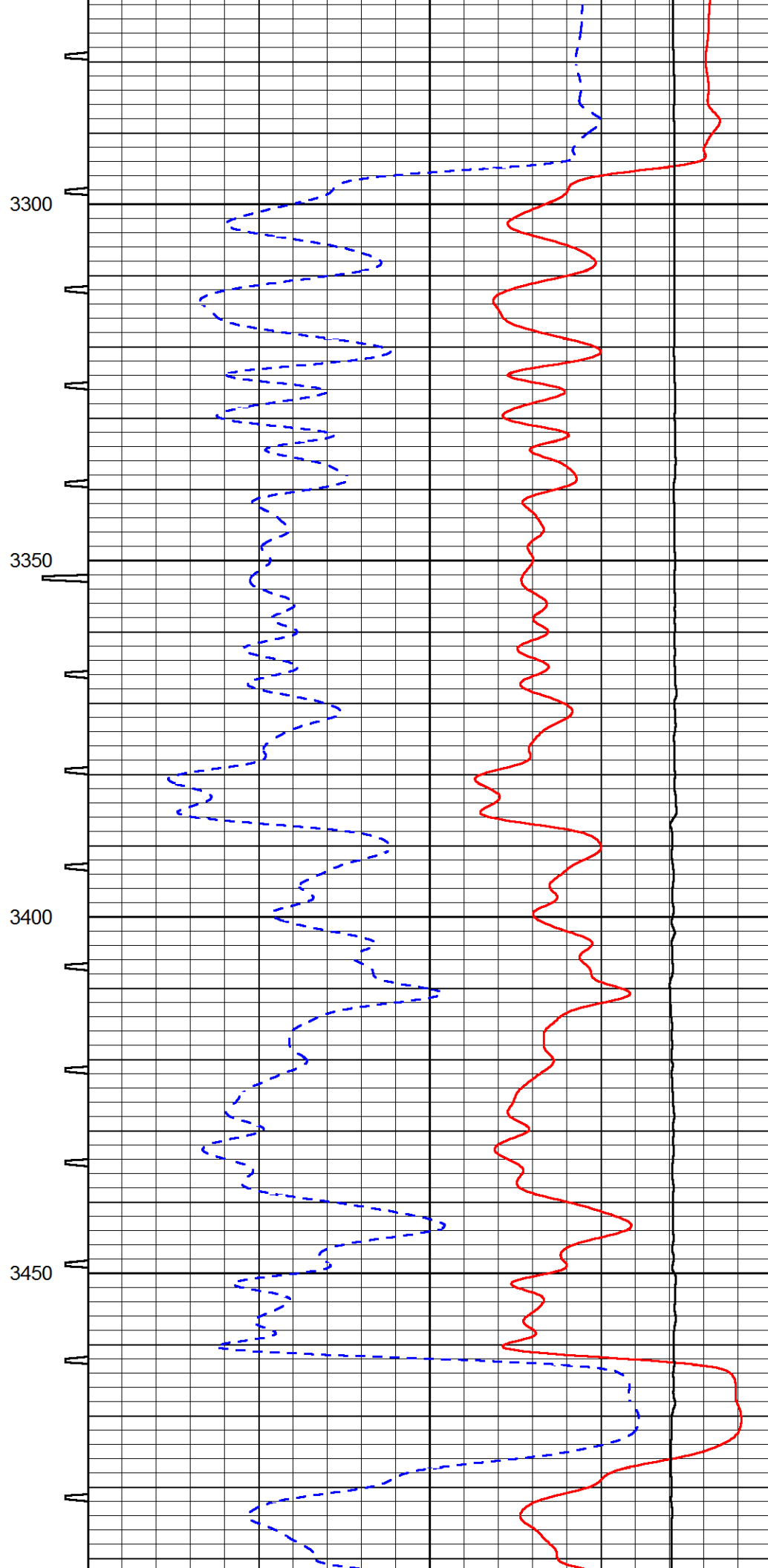
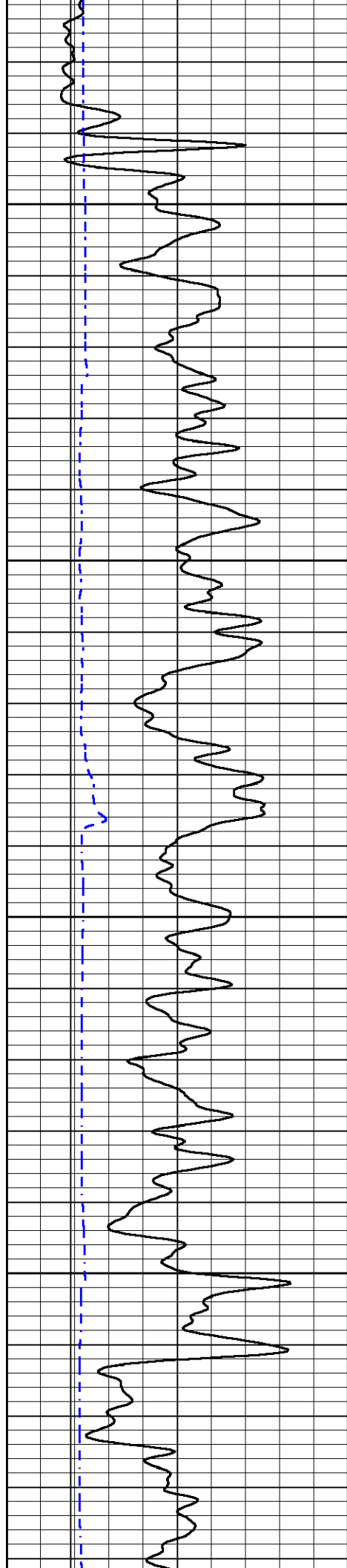


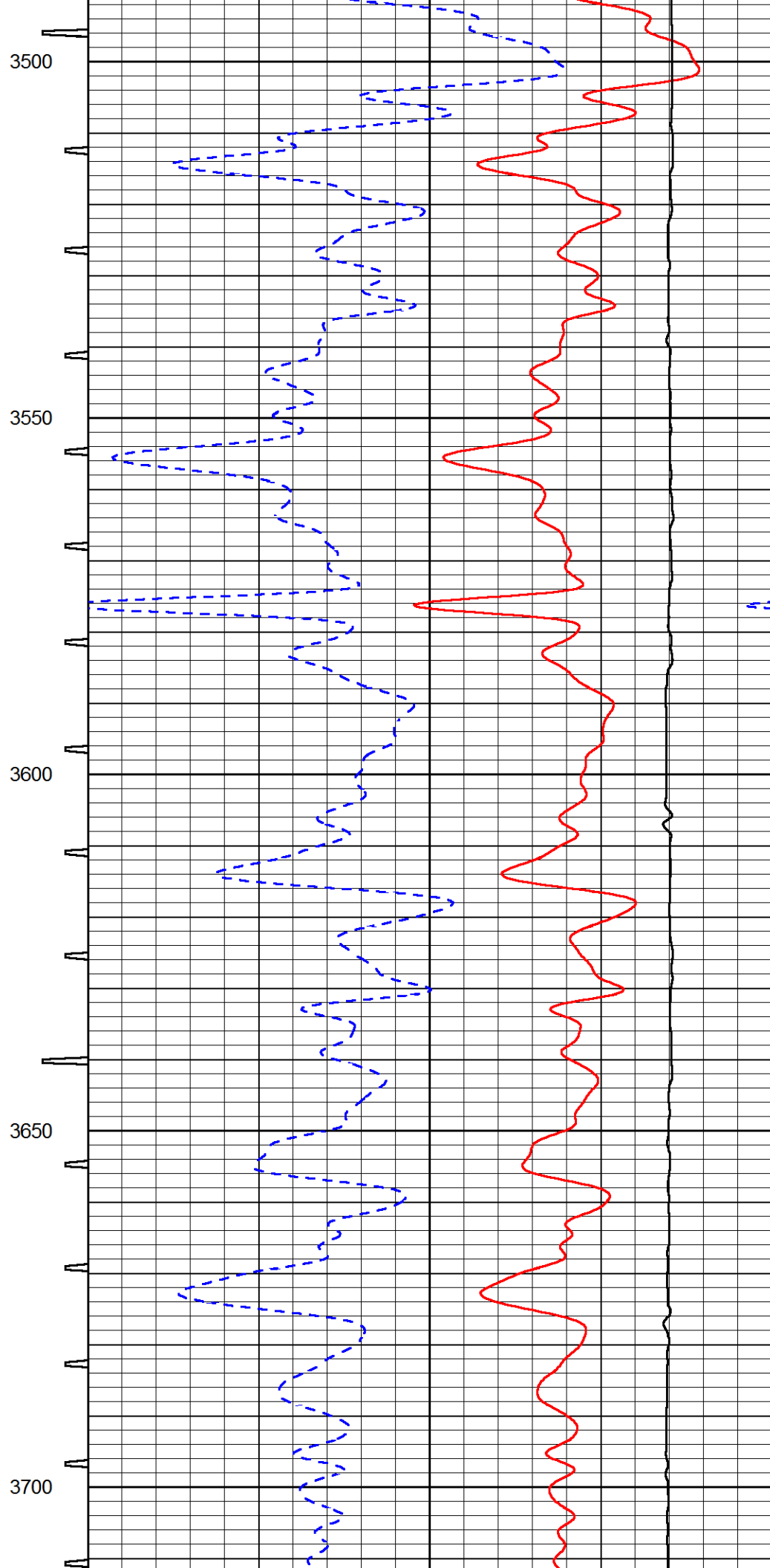
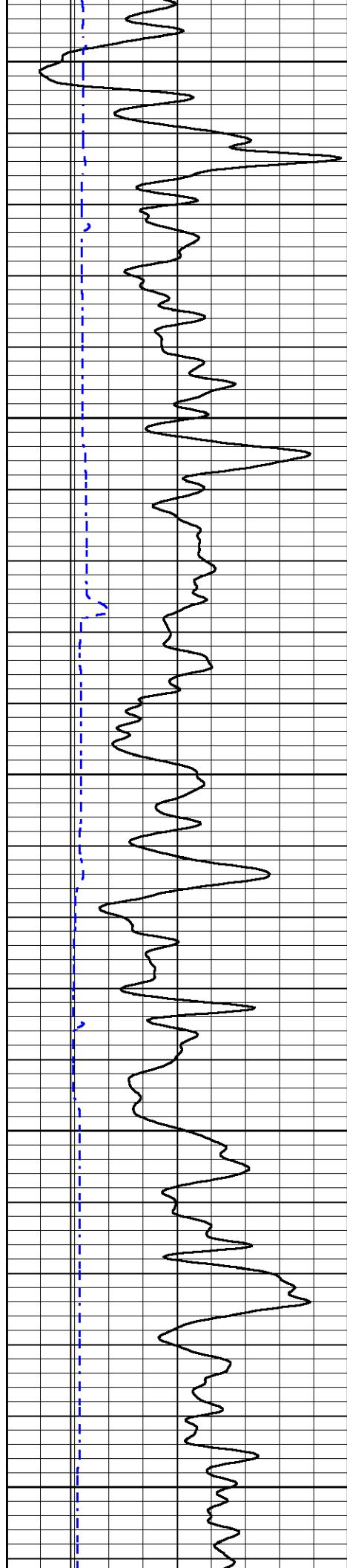


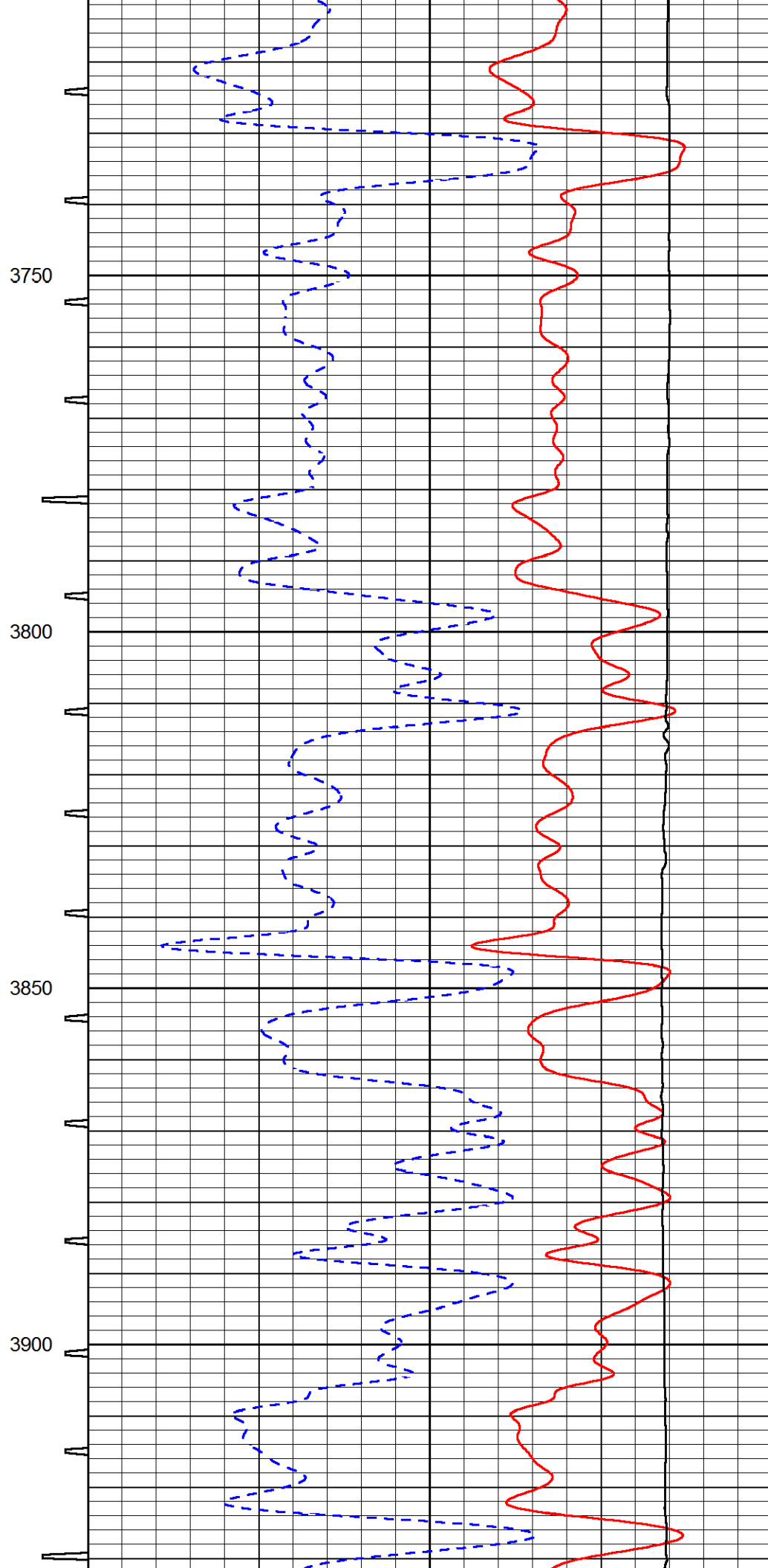
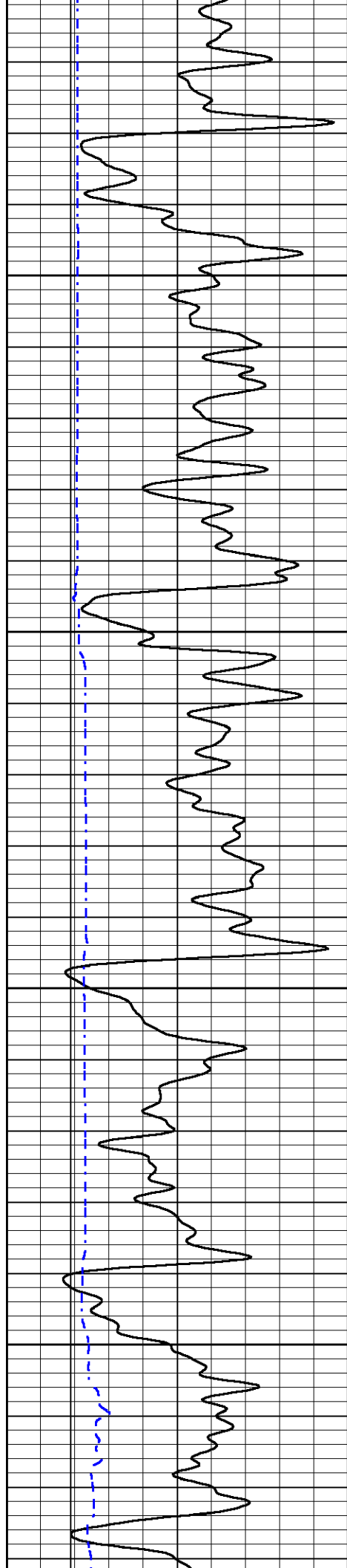


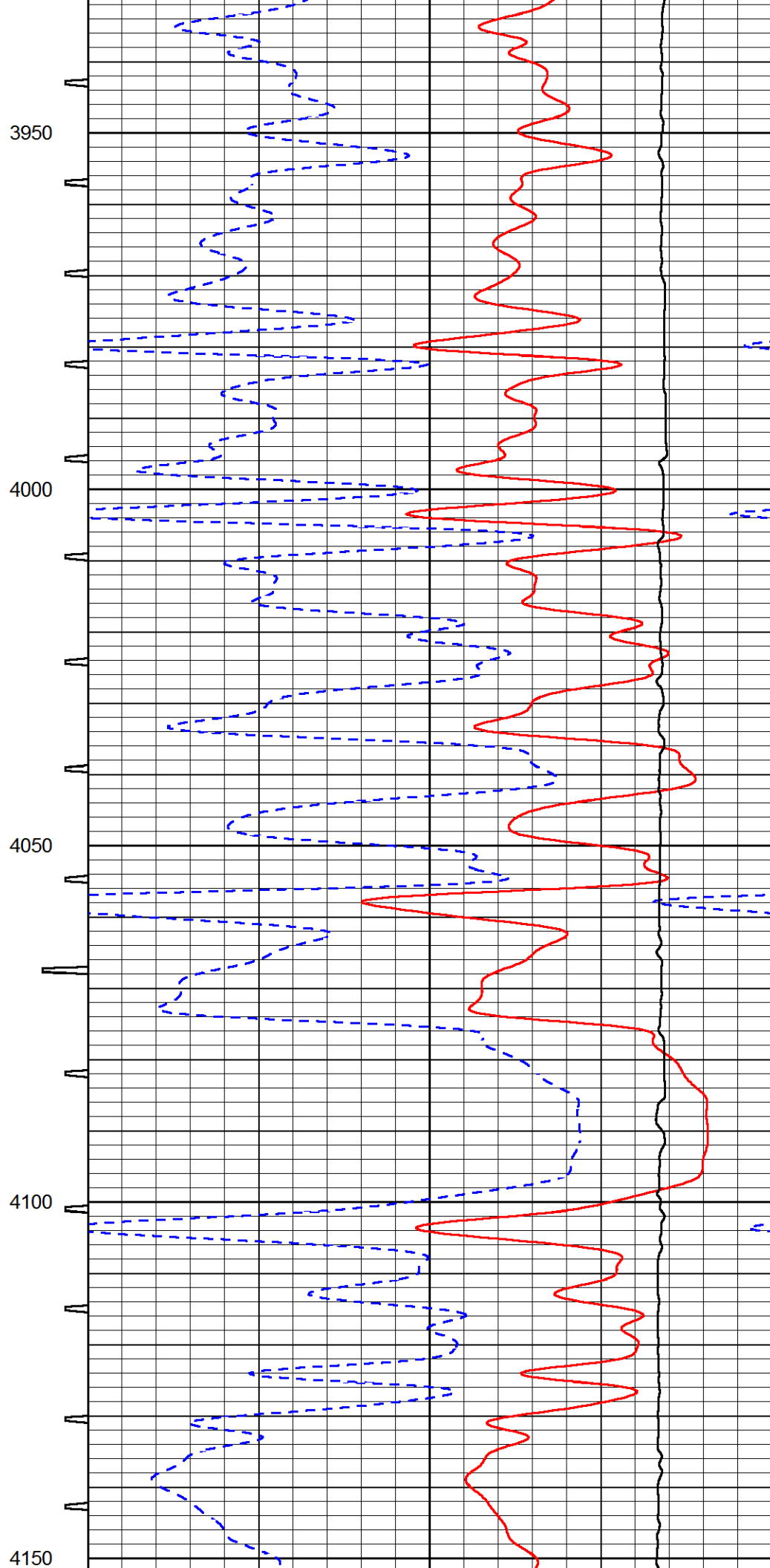
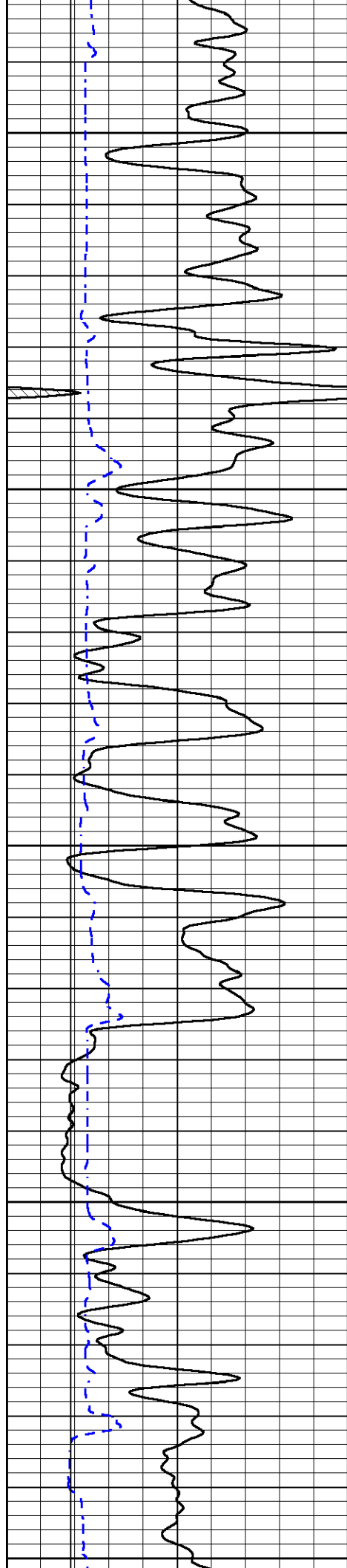


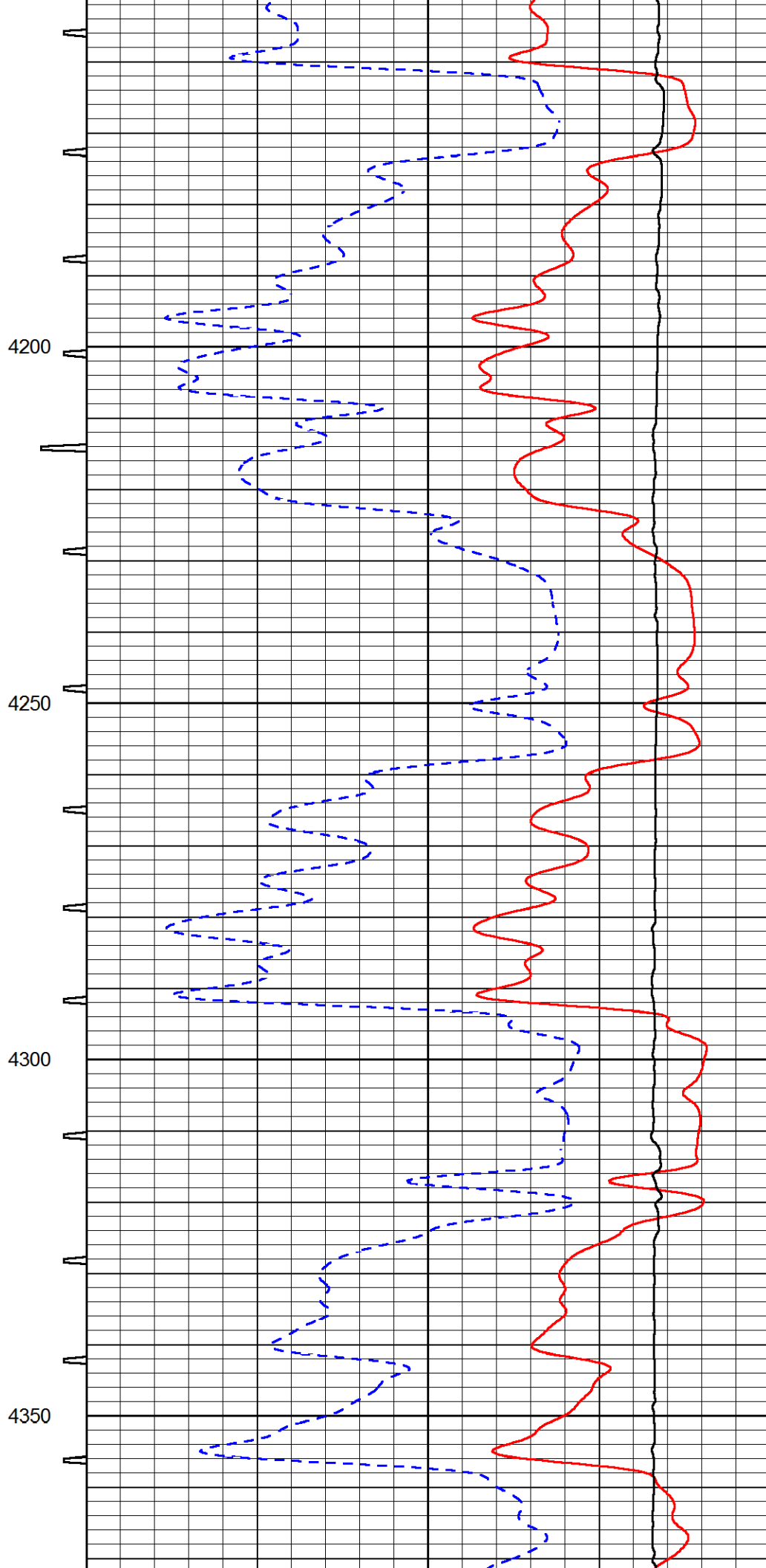
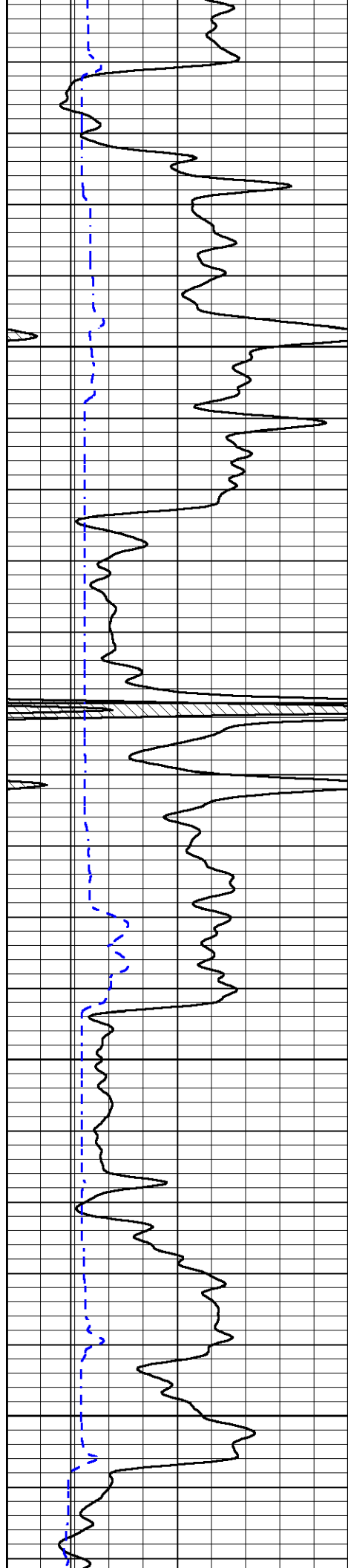


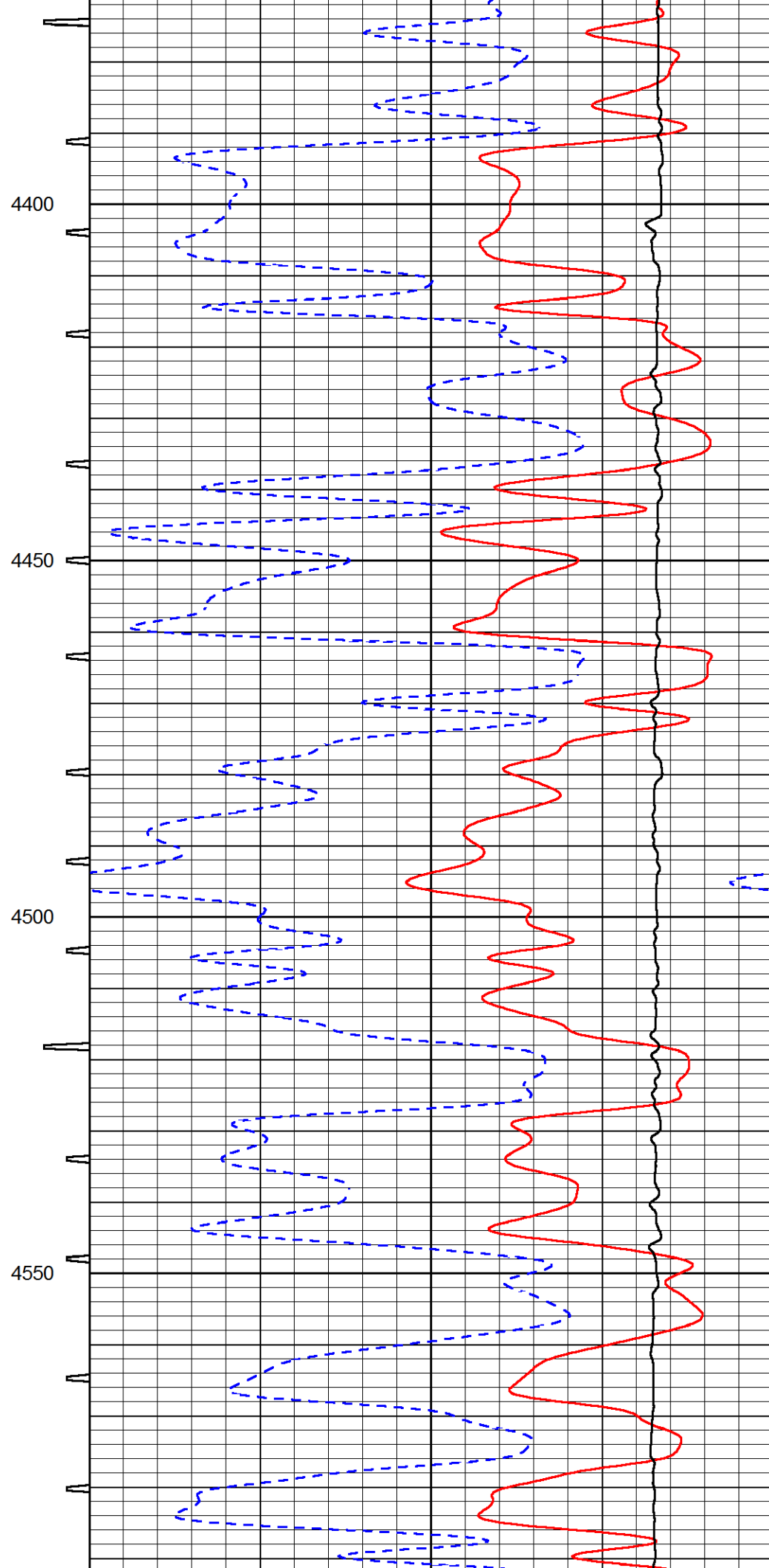
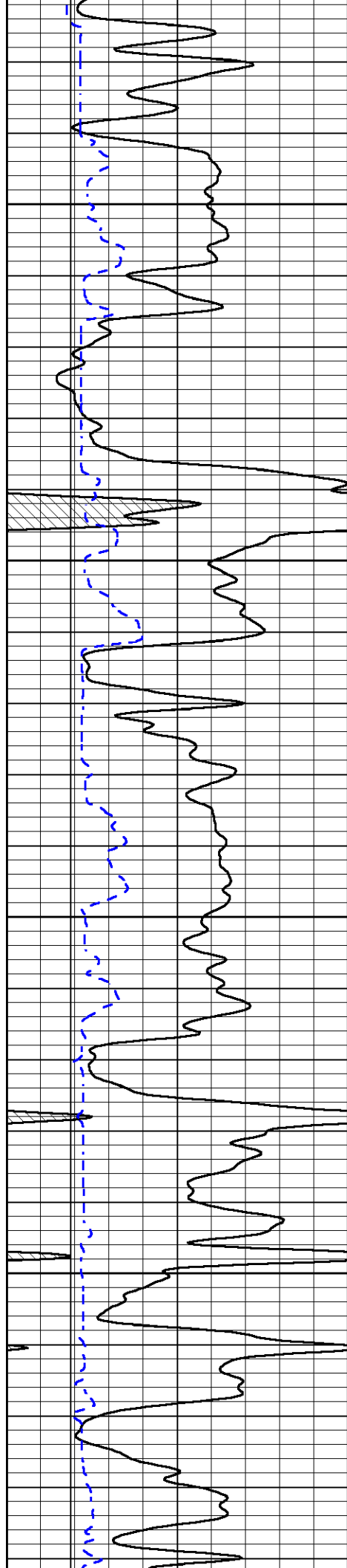


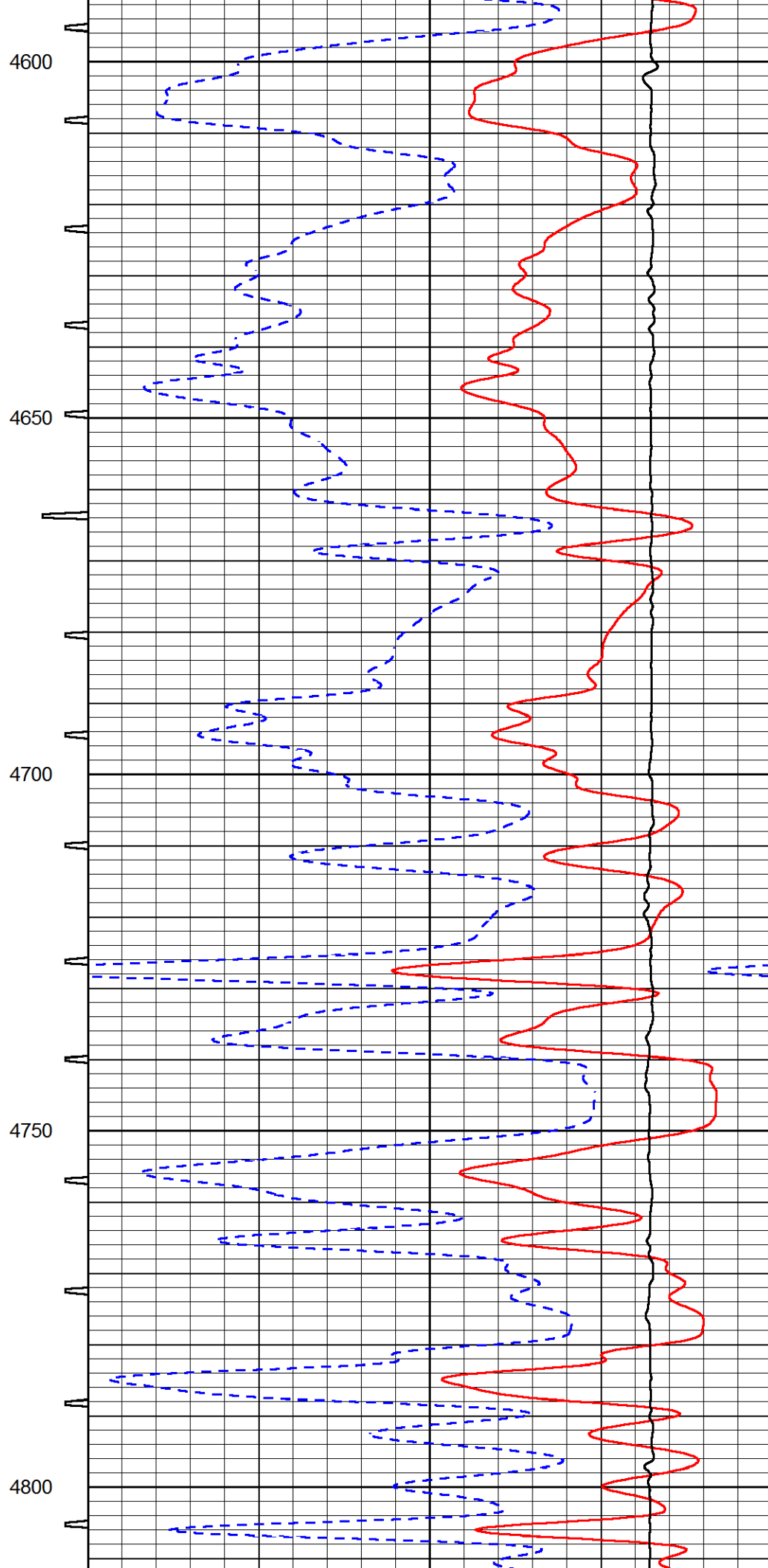


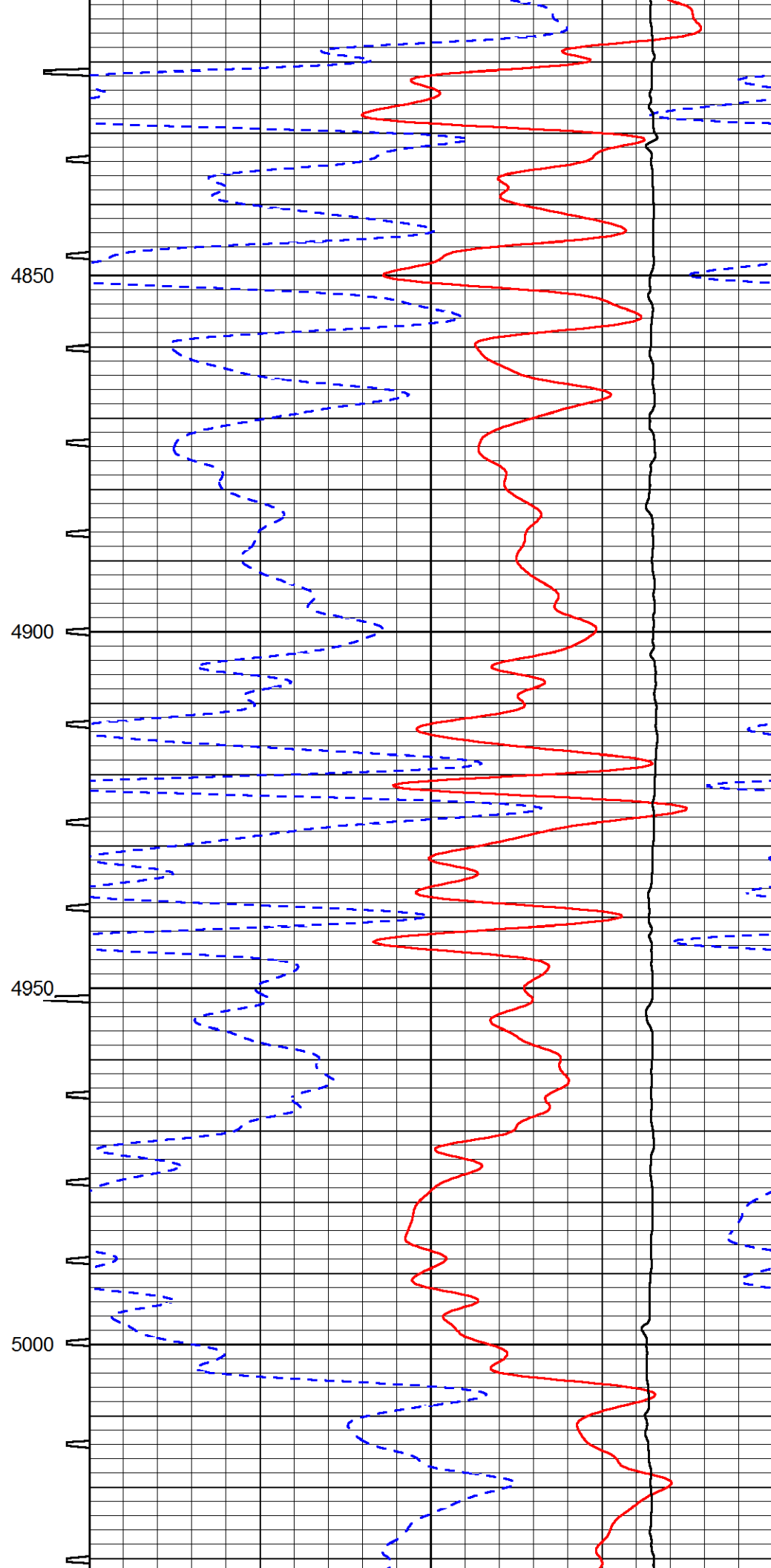
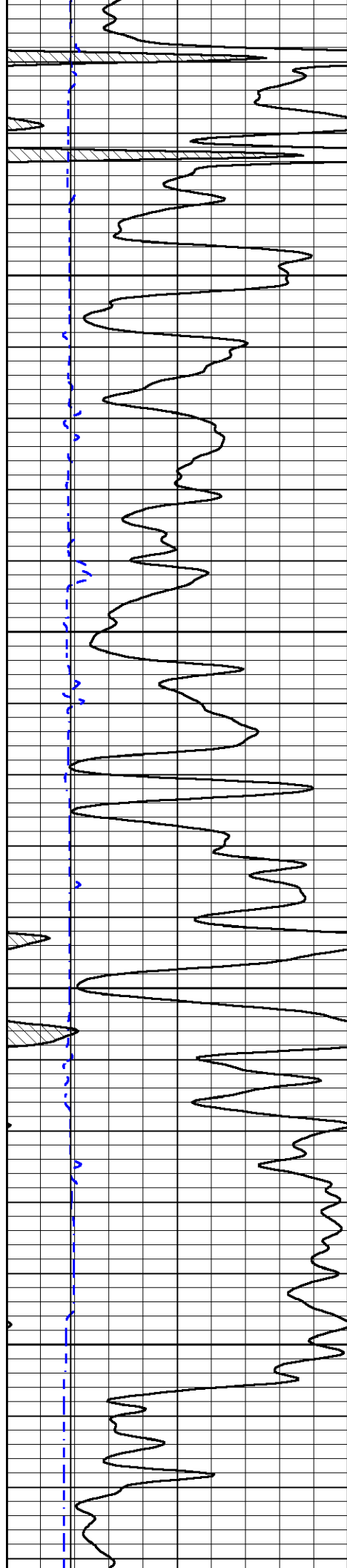


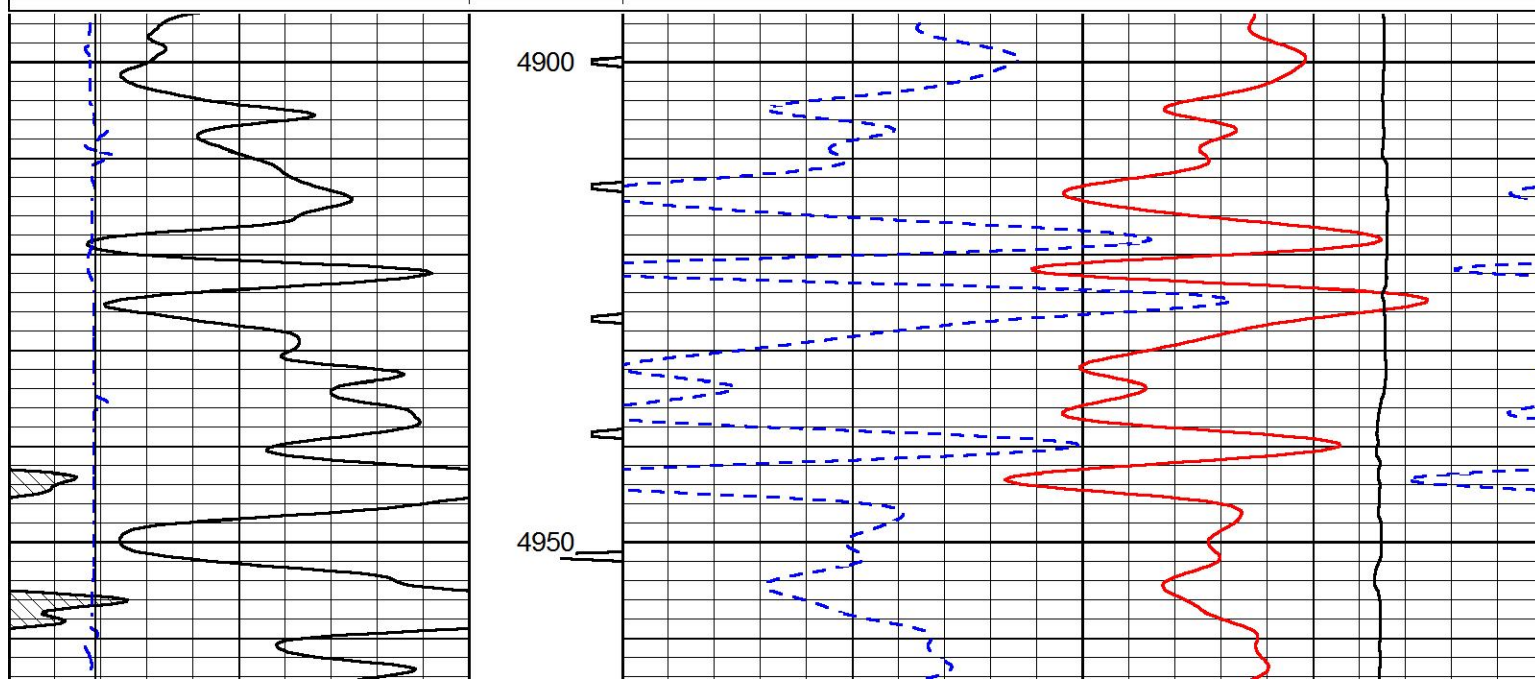
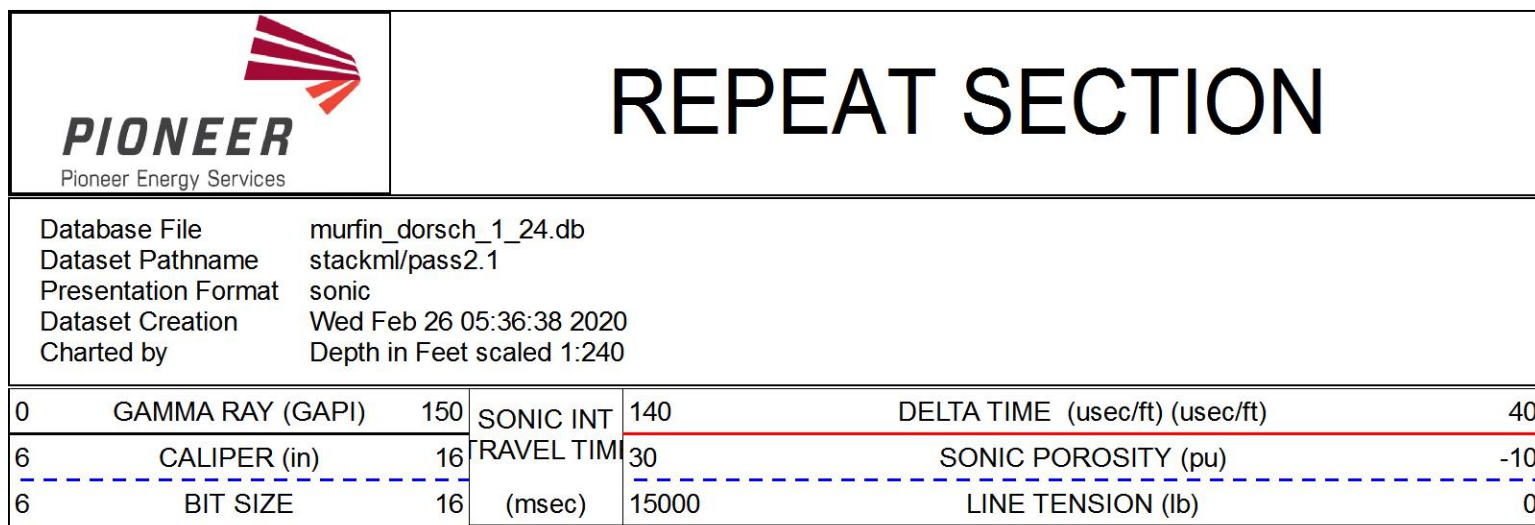
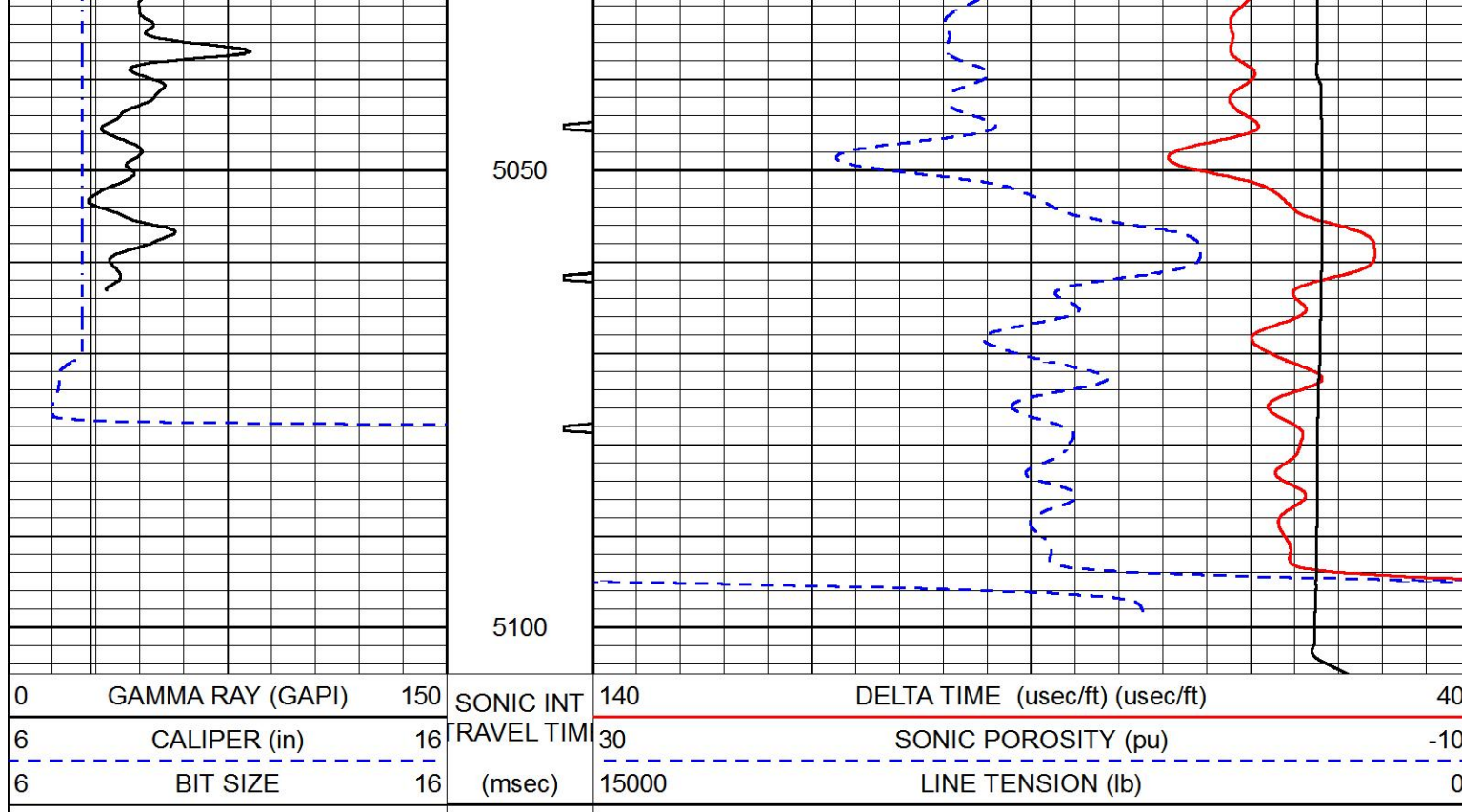


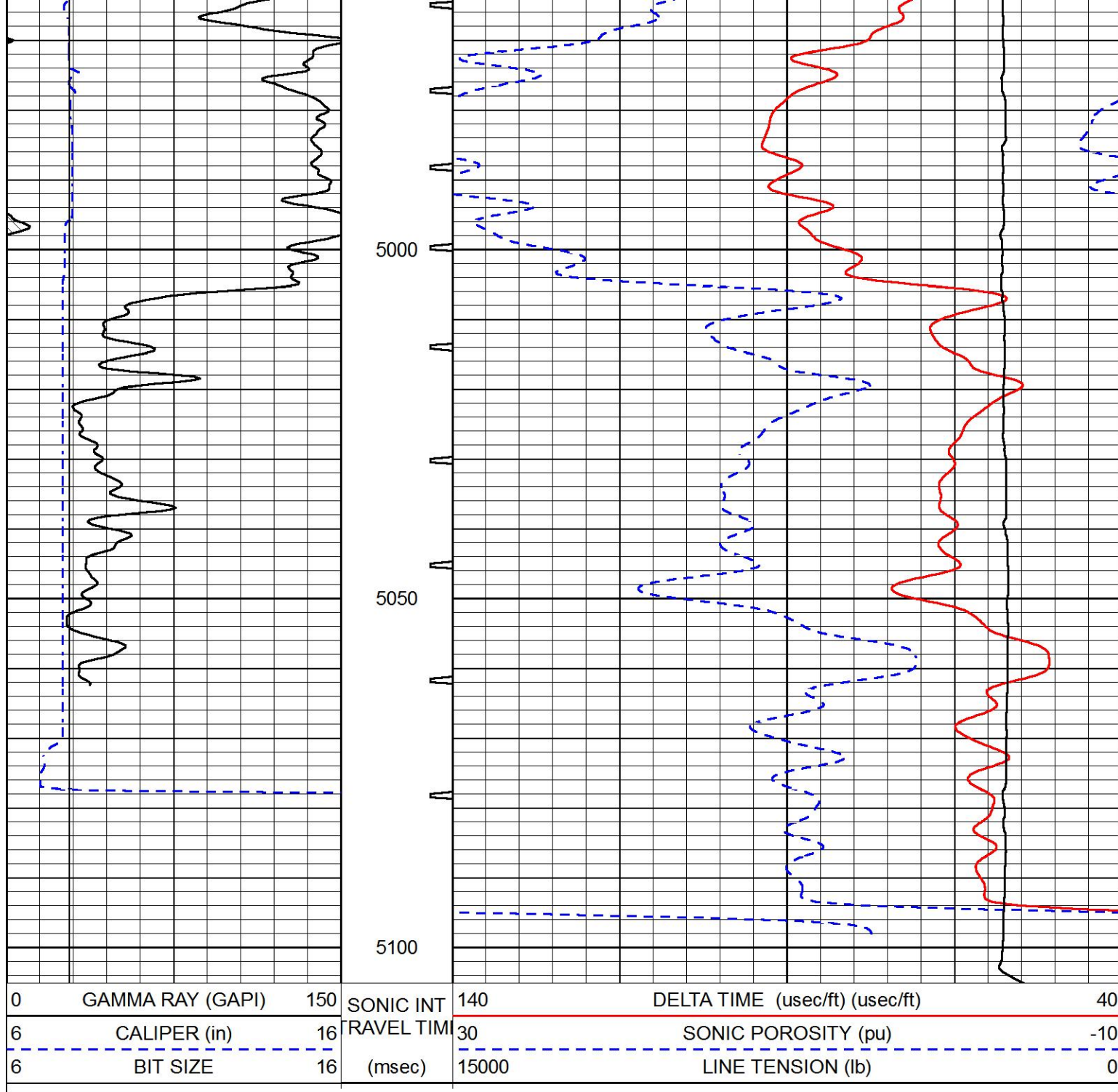














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