

BOREHOLE COMPENSATED SONIC LOG

MIDWEST WIRELINE

Company Shakespeare Oil Co., Inc.

Well Ottley #3-21

Field Chalk Buttes

County Logan State Kansas

Location: API #: 15-109-21618-00-00

SW/4

1150' FSL & 335' FWL

SEC 21 TWP 14S RGE 32W

Permanent Datum Ground Level Elevation 2712'
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

CNL/CDL
DIL/MEL

Other Services

Date 5/9/2021

Run Number Two

Type Log BHCS

Depth Driller 4450'

Depth Logger 4453'

Bottom Logged Interval 4452'

Top Logged Interval 250'

Type Fluid In Hole Chemical

Salinity, PPM CL 4400

Density 9.3

Level Full

Max. Rec. Temp. F 121

Operating Rig Time 5 Hours

Equipment -- Location P-108 HAYS

Recorded By D. Schmidt

Witnessed By Kent Matson

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

One 12.25" 0' 255' 8.625" 23# 0' 255'

Two 7.875" 255' 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.

Oakley,
South on Hwy 83 to Jayhawk Rd,
1/2 West to 430 Rd, 1/2 South, 1/2 West, 1/4 South,
West to location

Log Measured From: Kelly Bushing 9 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: D. Schmidt
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Kent Matson
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\shakespeare_ottley 3-21.db
Dataset field/well/stkml/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	121	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	245	70		4453

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

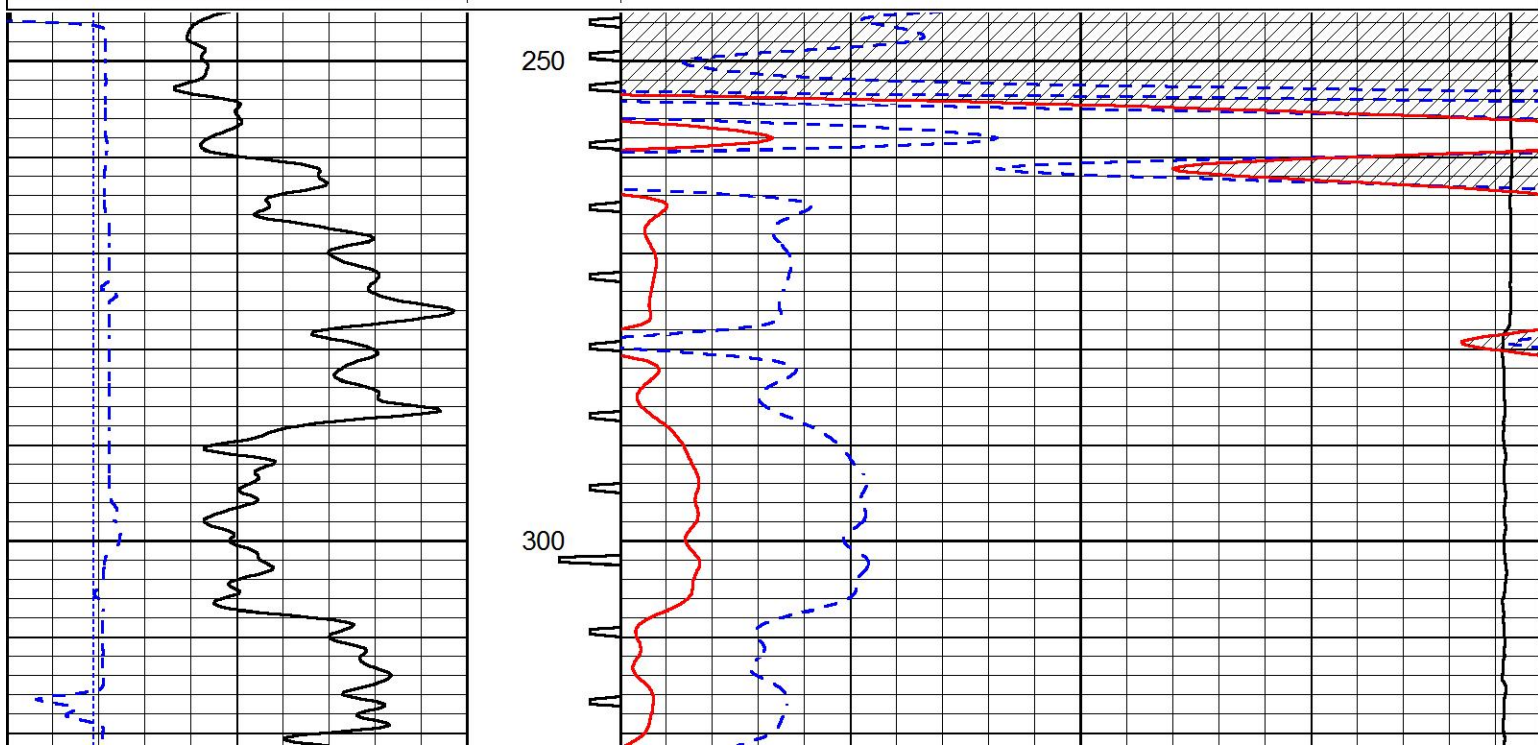


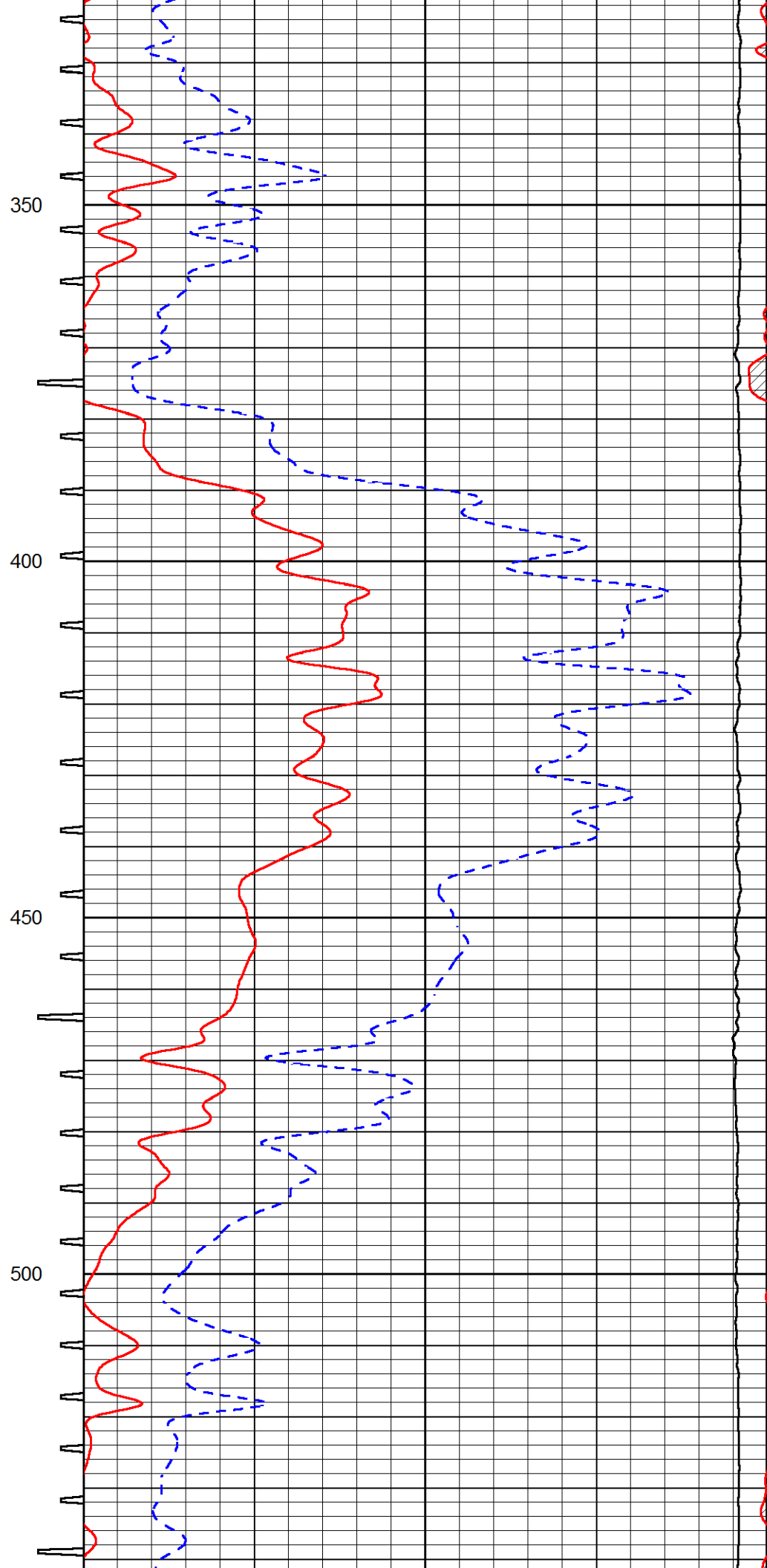
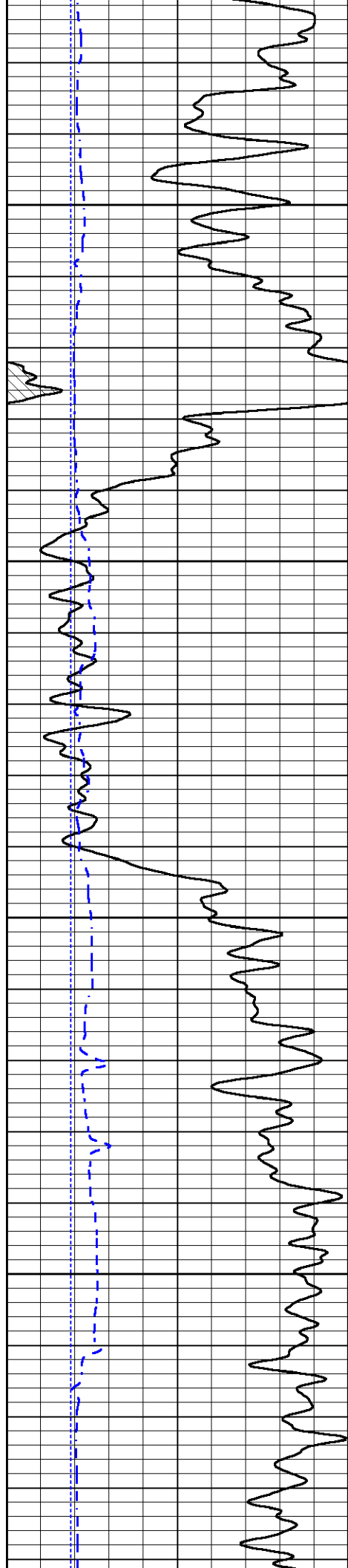
SONIC

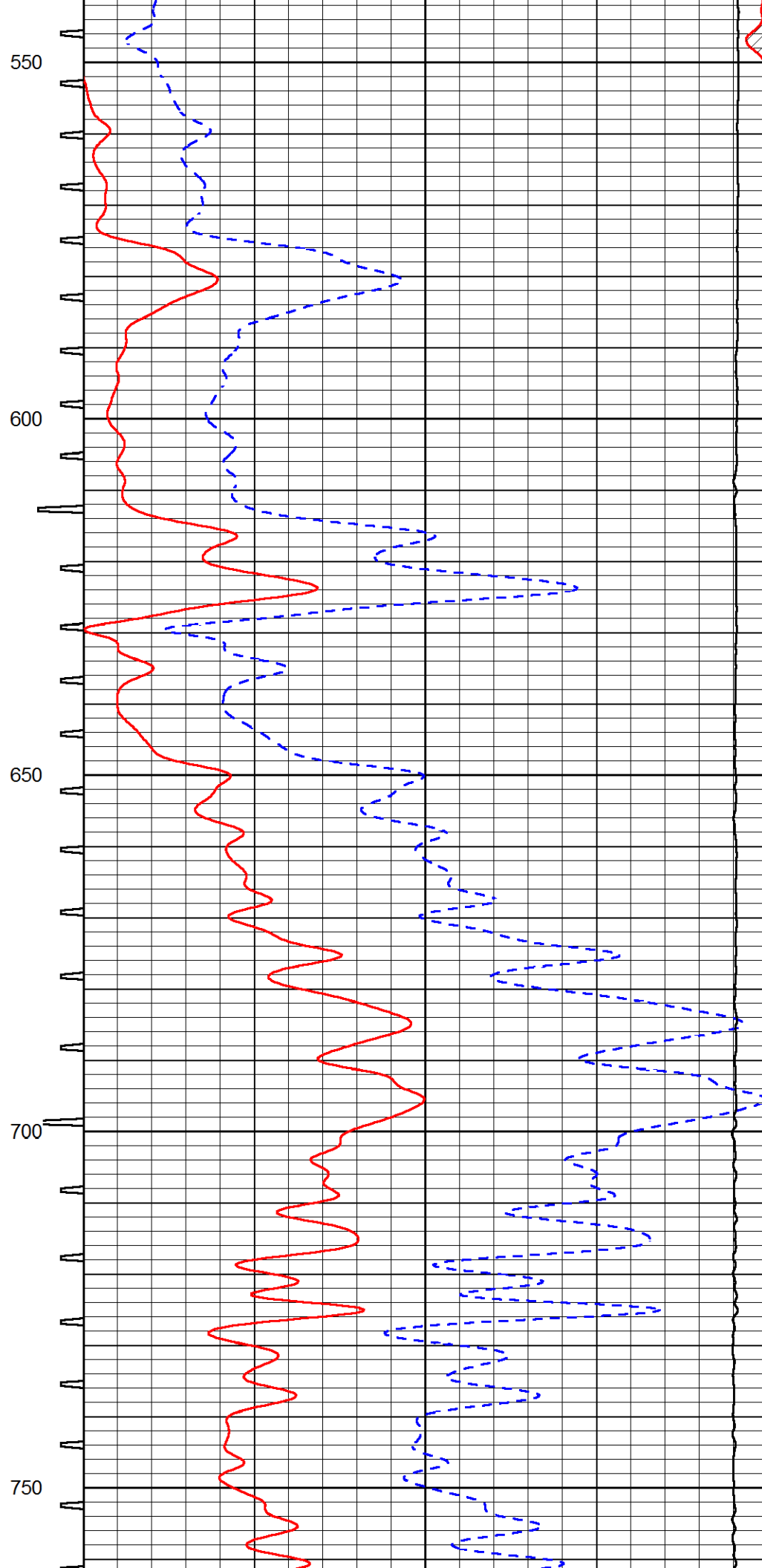
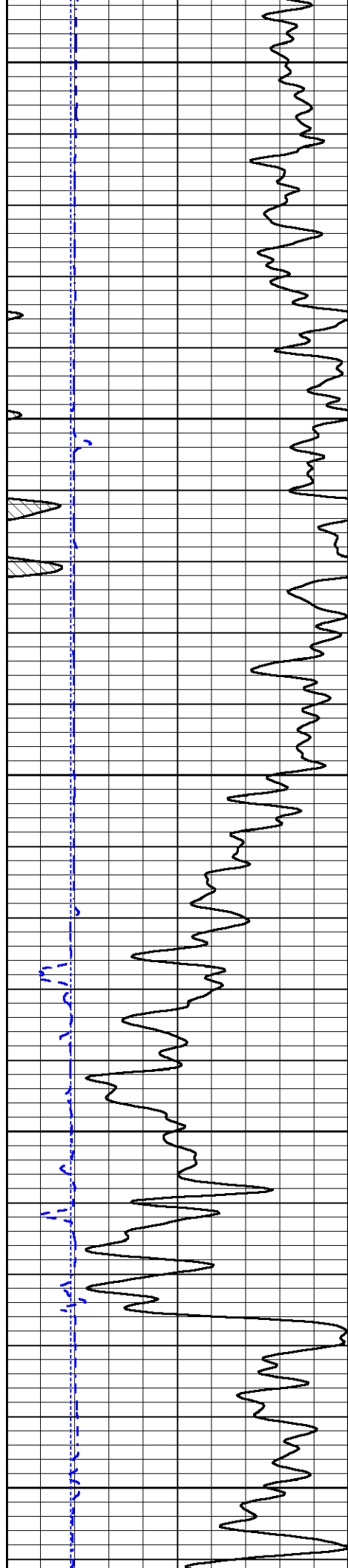
MAIN PASS

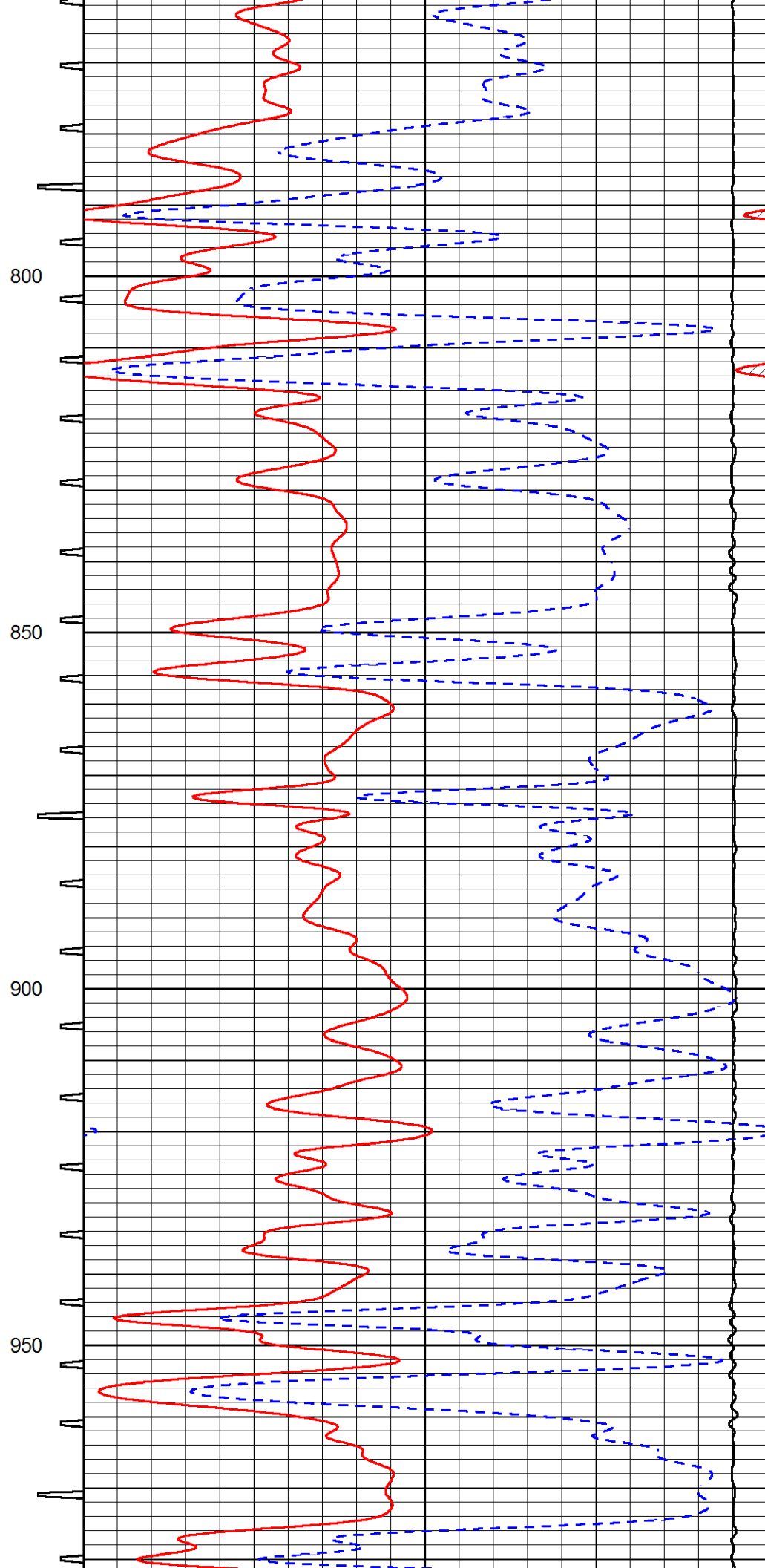
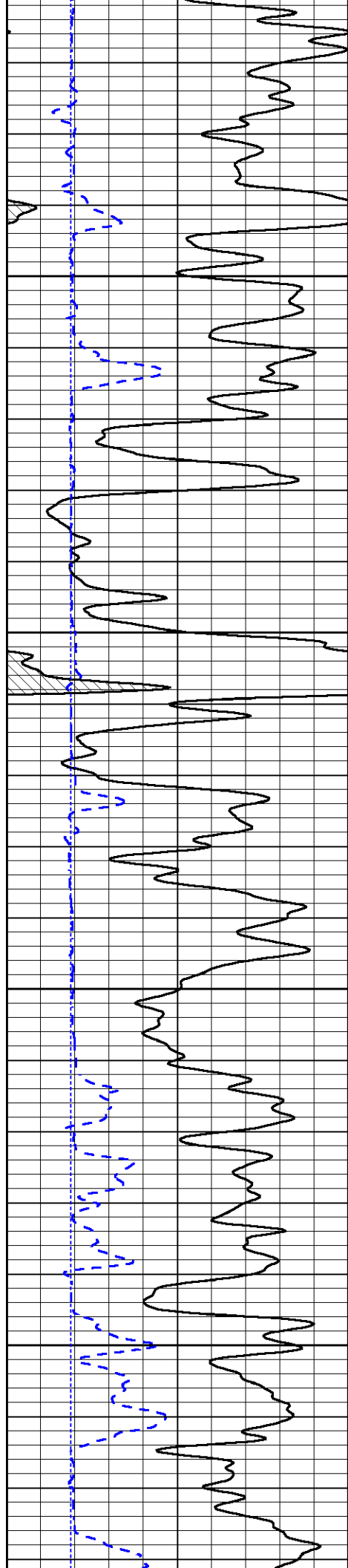
Database File shakespeare_ottley 3-21.db
Dataset Pathname stkml/pass3.1
Presentation Format _sonic
Dataset Creation Sun May 09 20:30:06 2021
Charted by Depth in Feet scaled 1:240

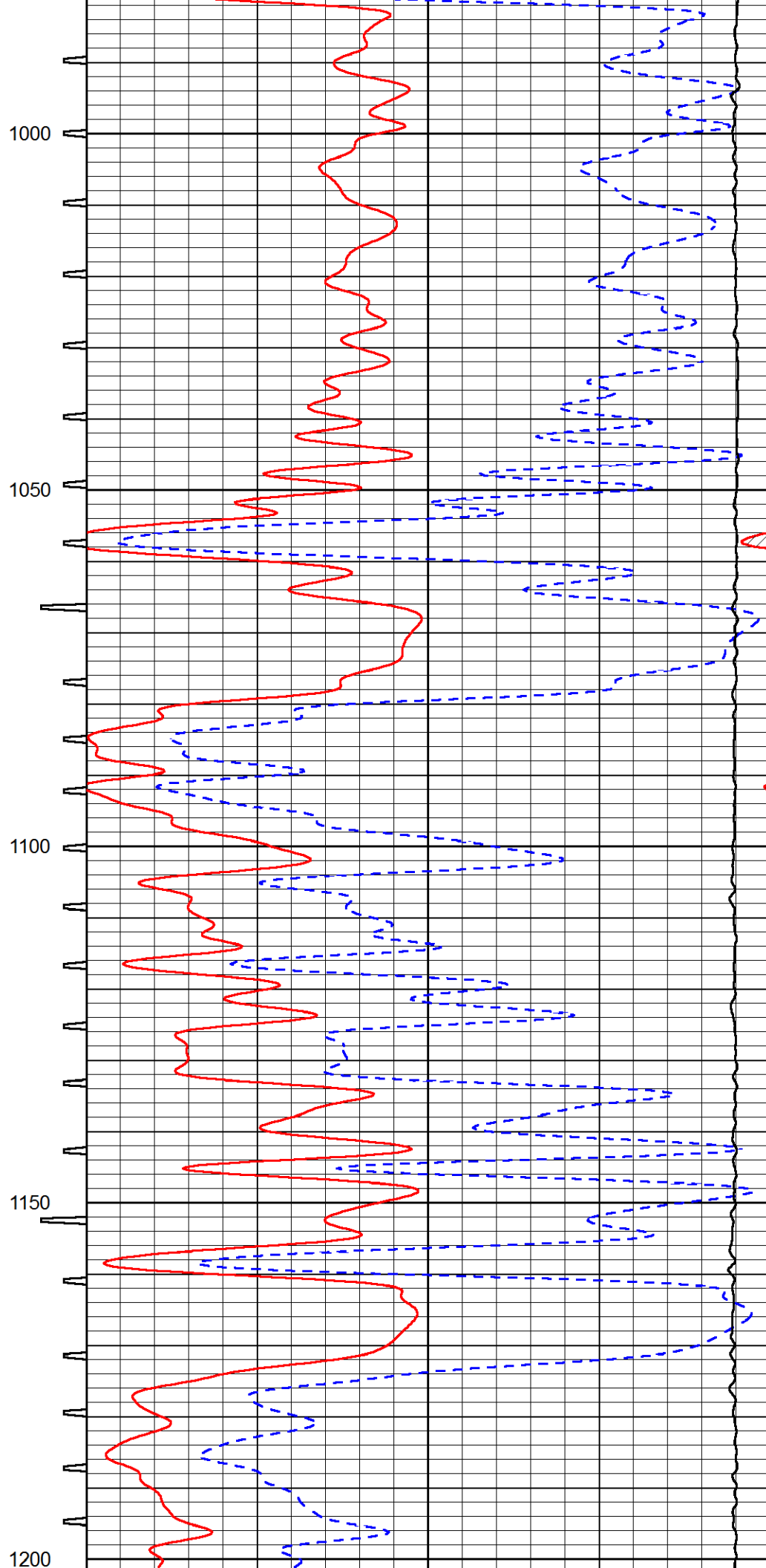
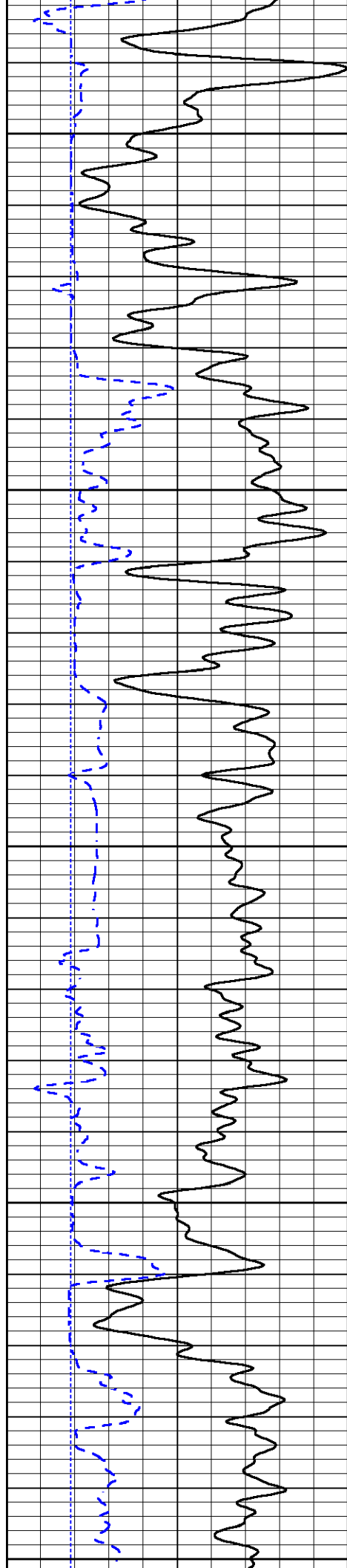
0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	GR (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu)	-10
6	DCAL (in)	16		15000	LTEN (lb) (lb)	0

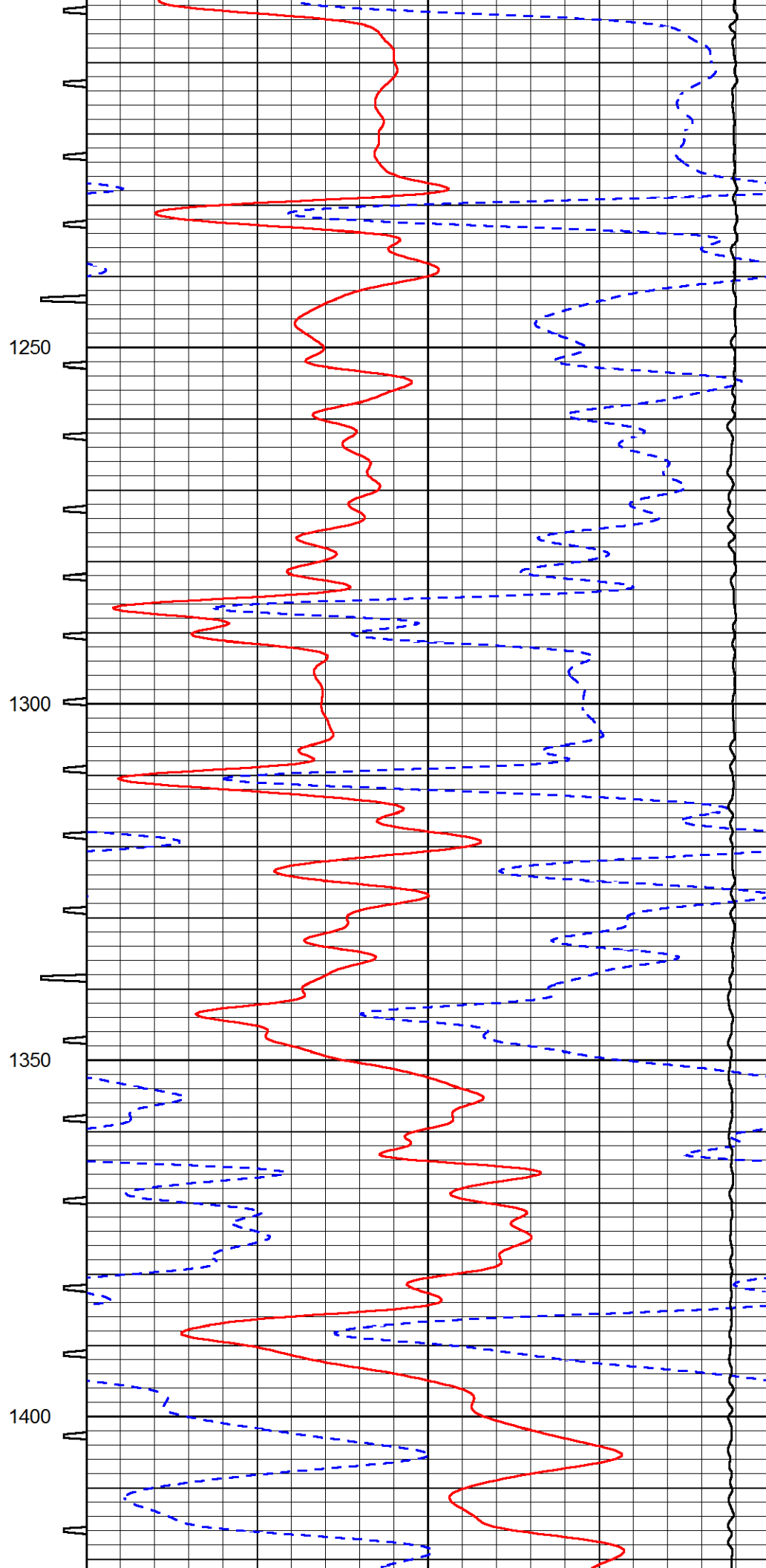
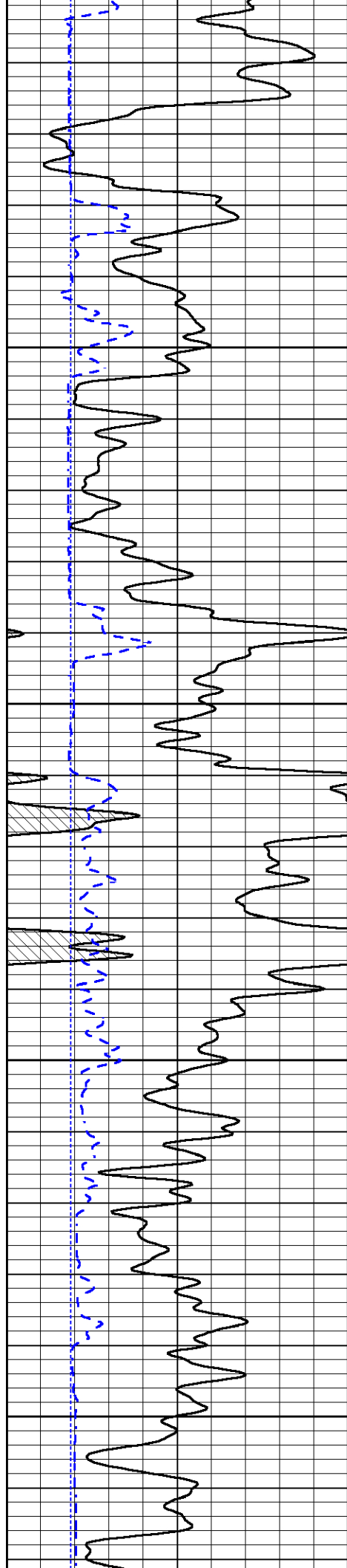


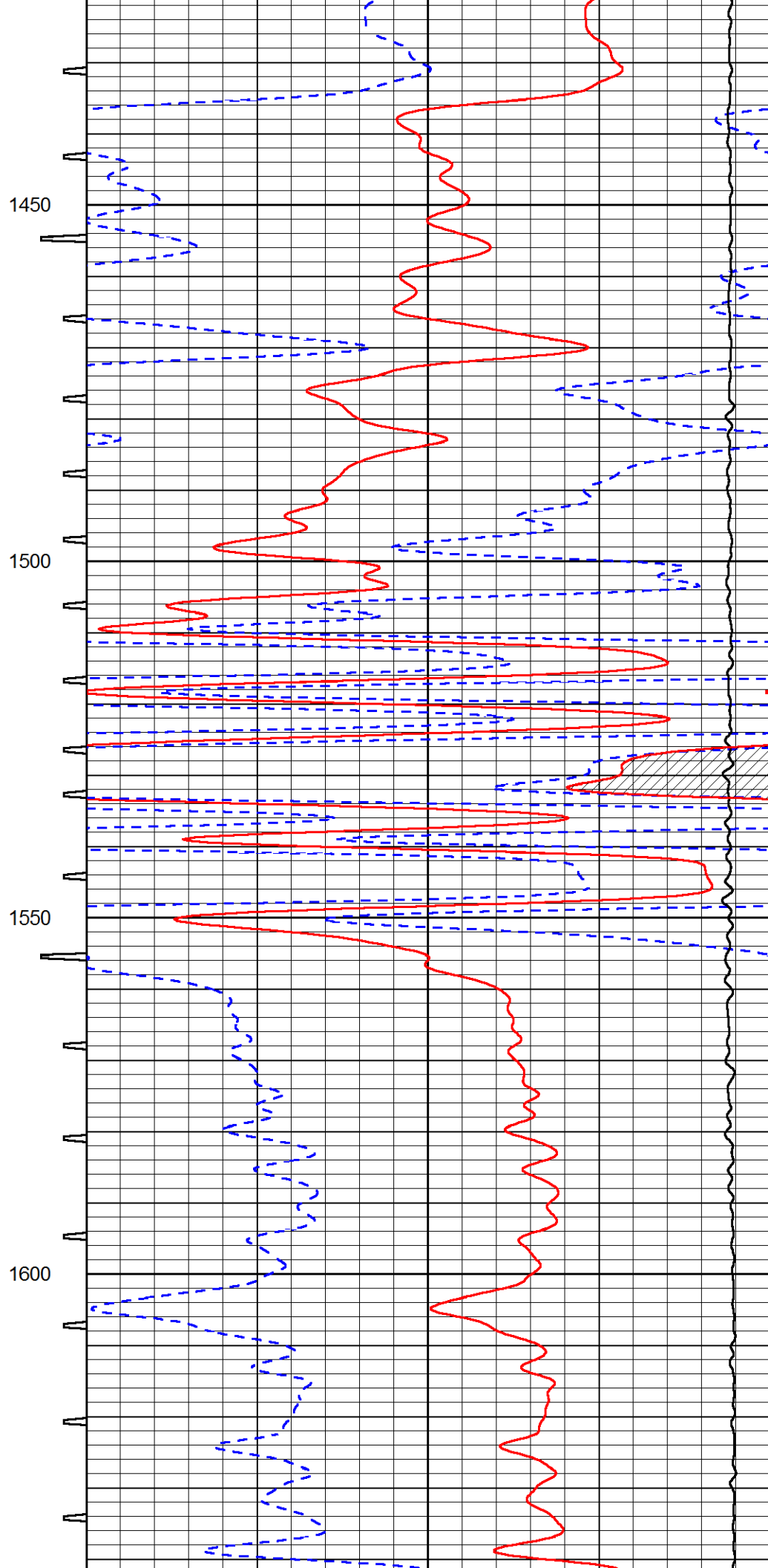
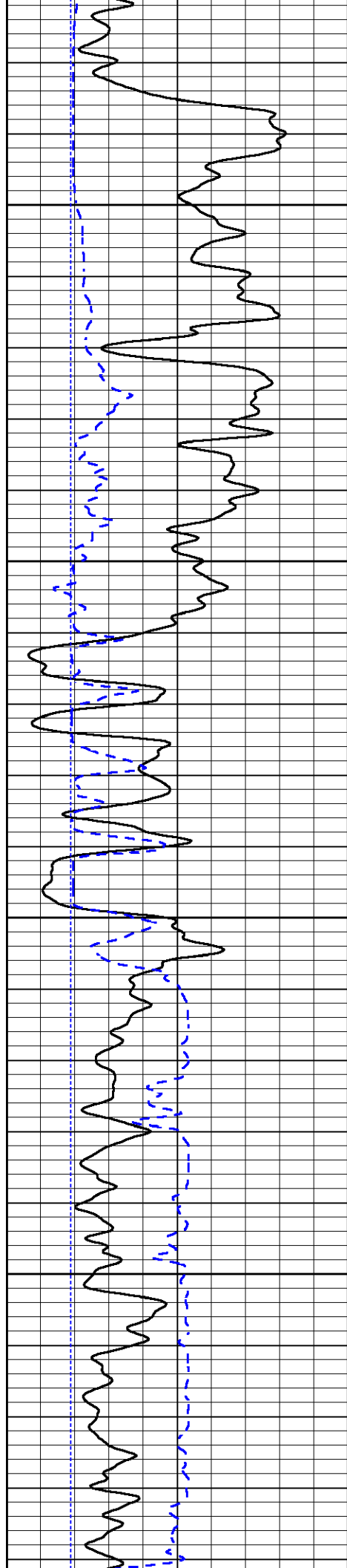


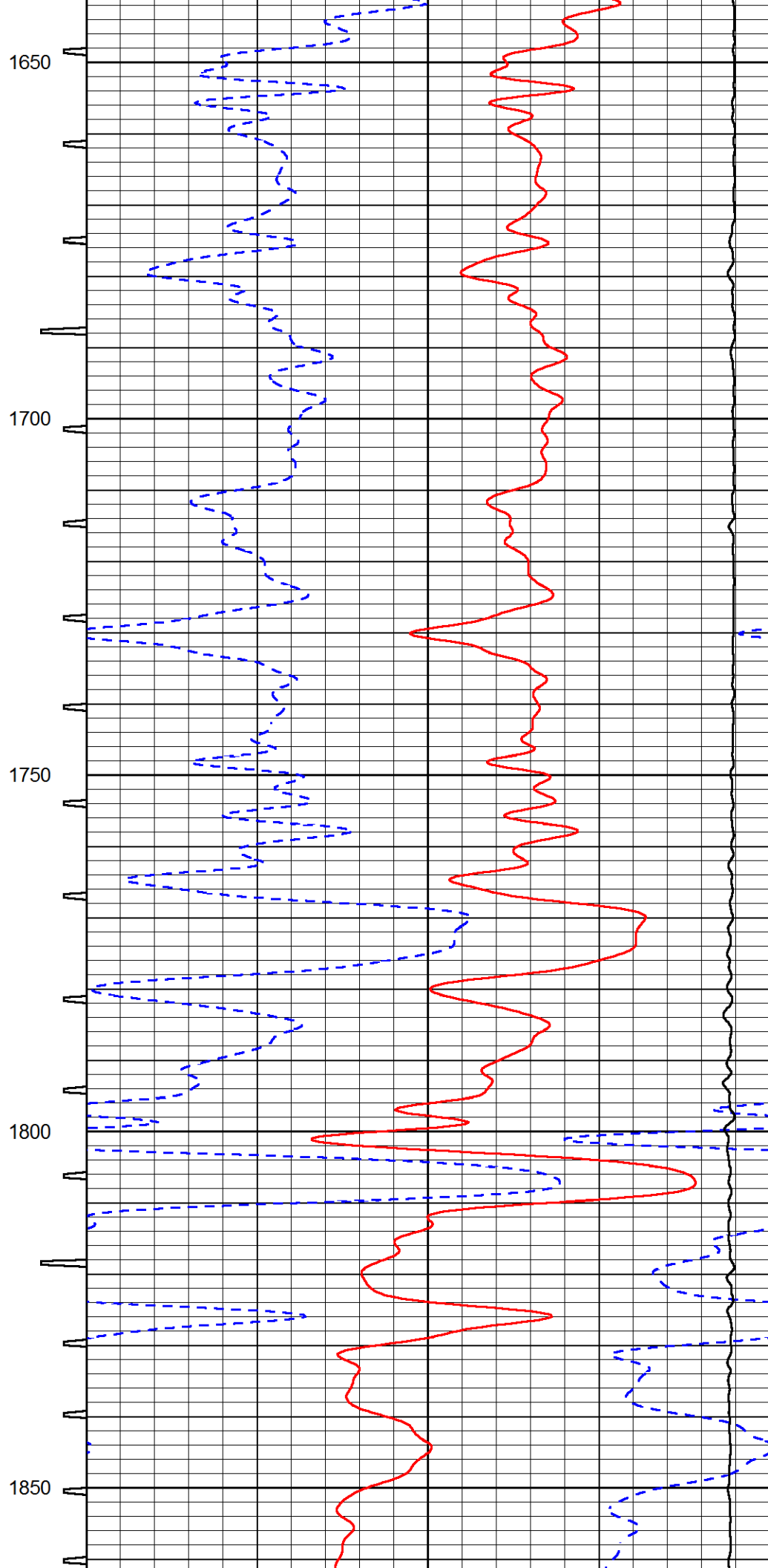
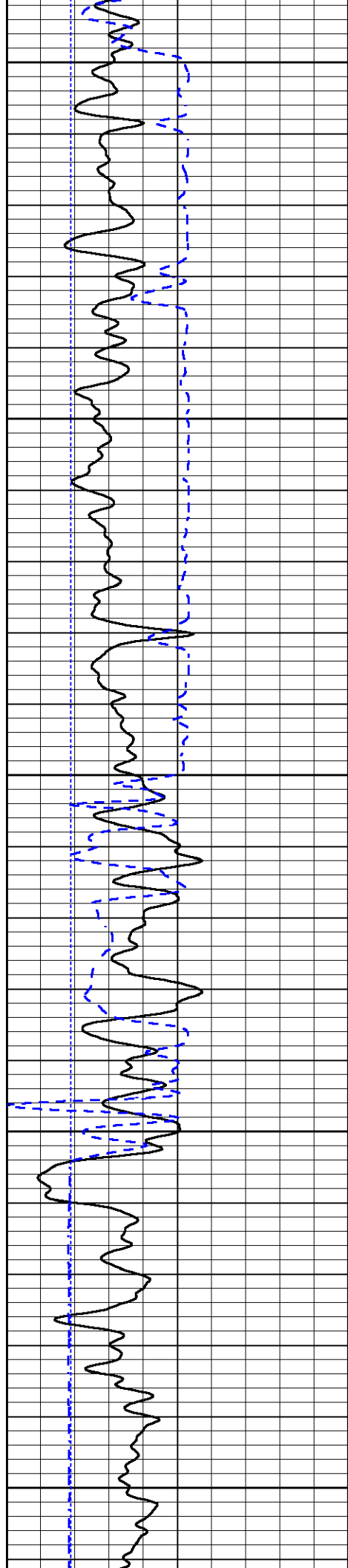


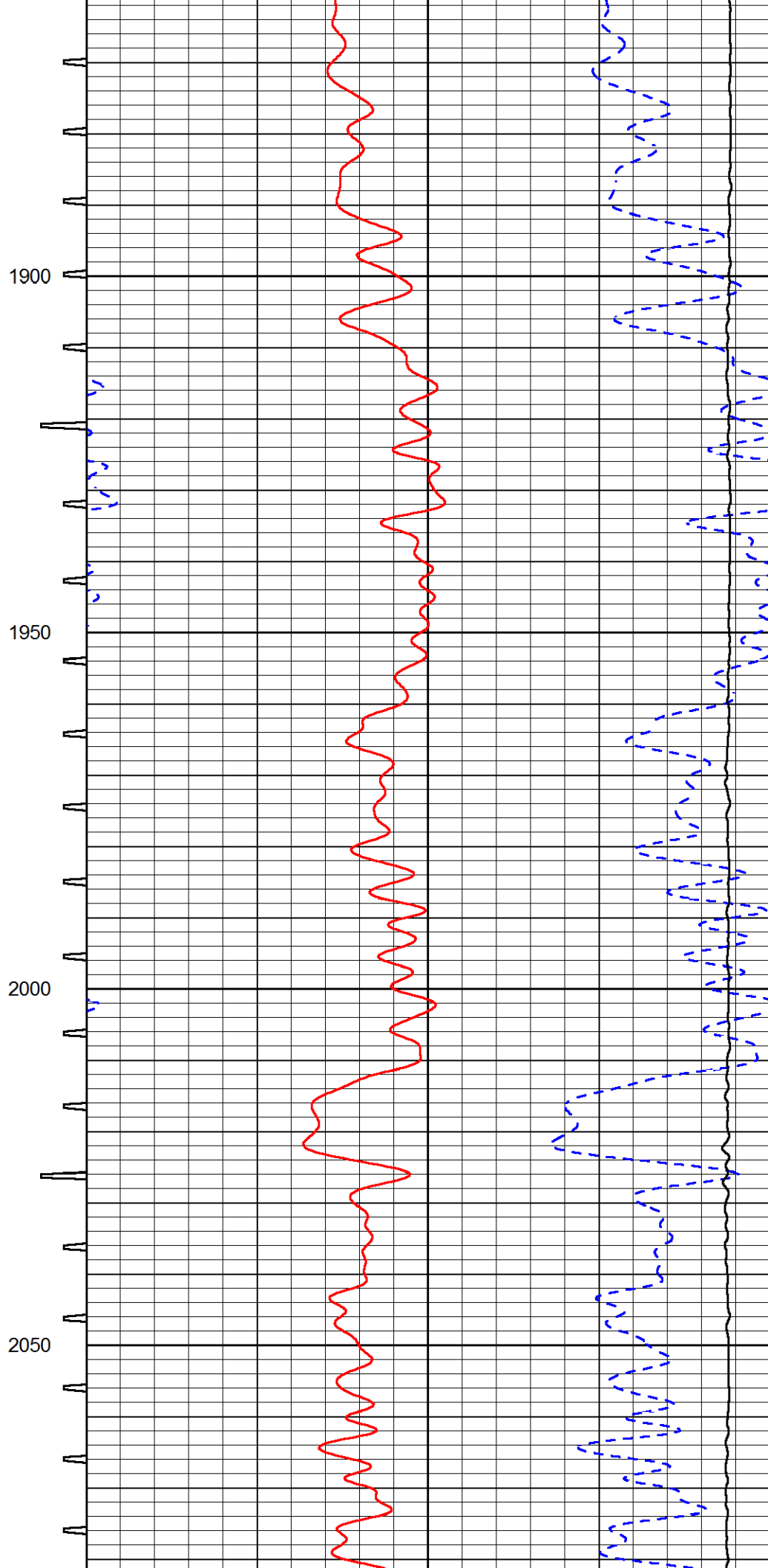
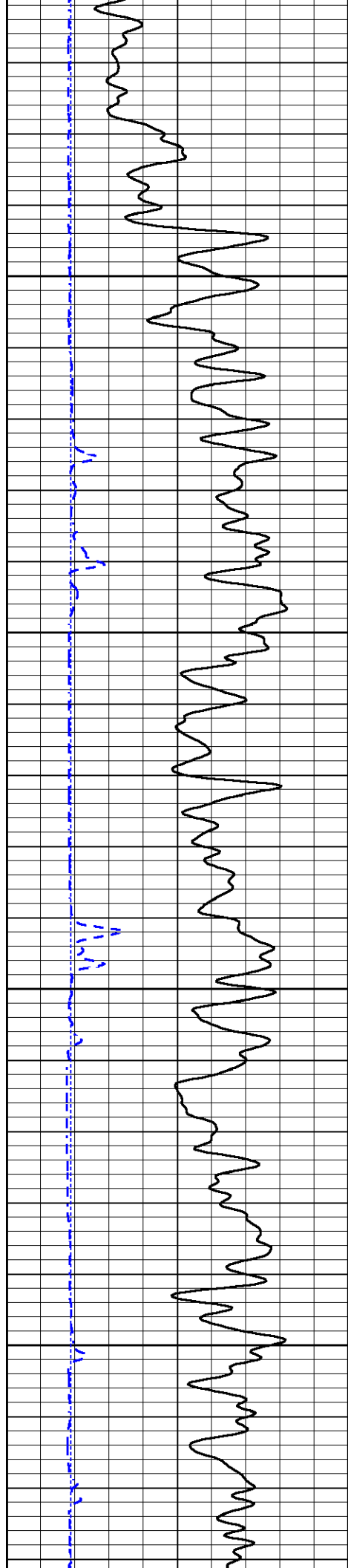


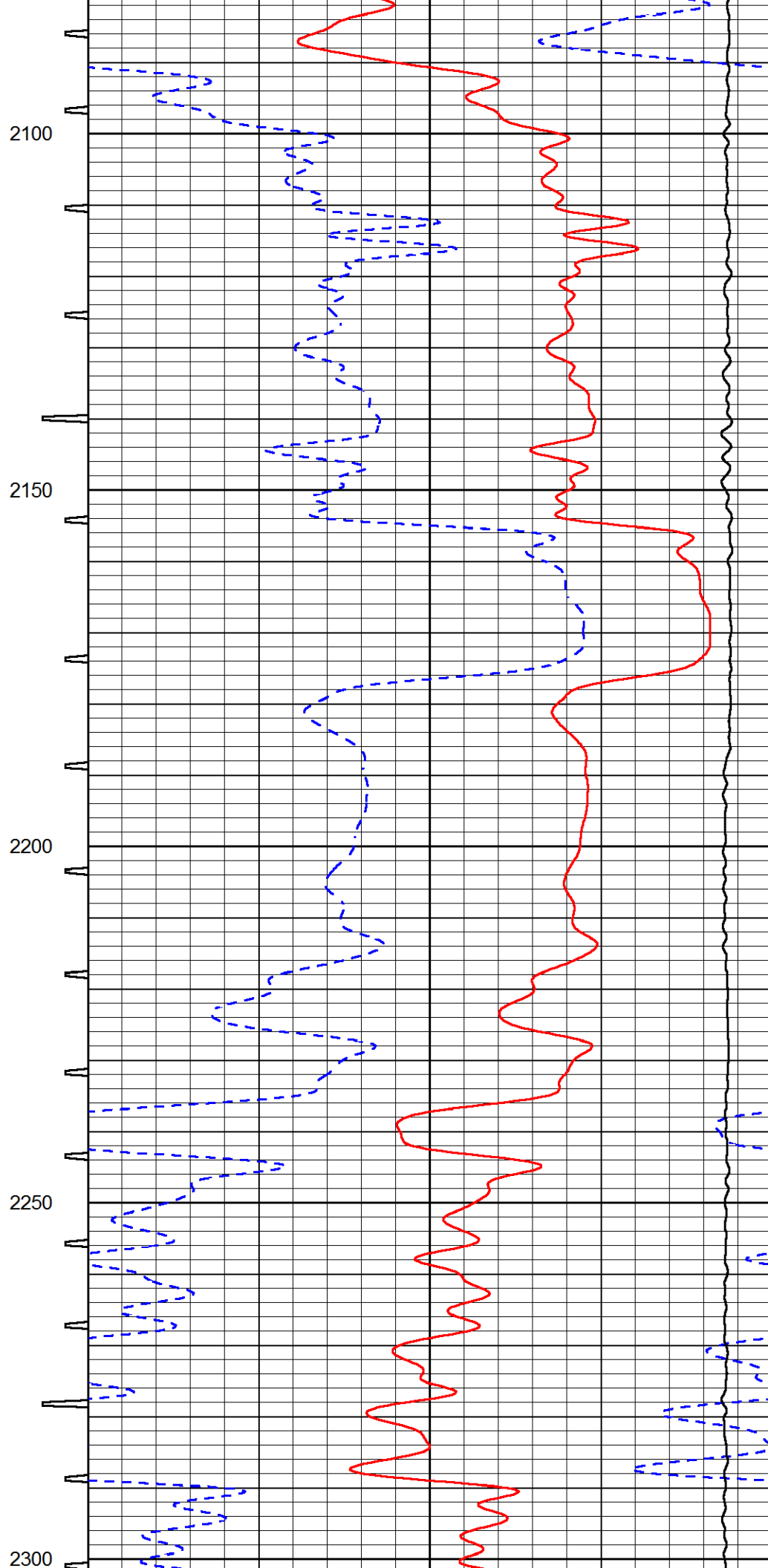
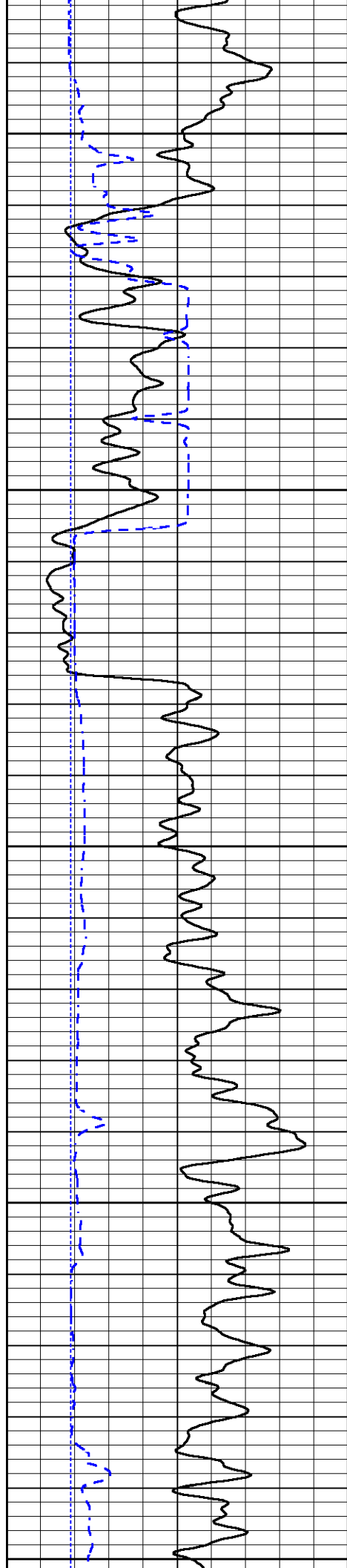


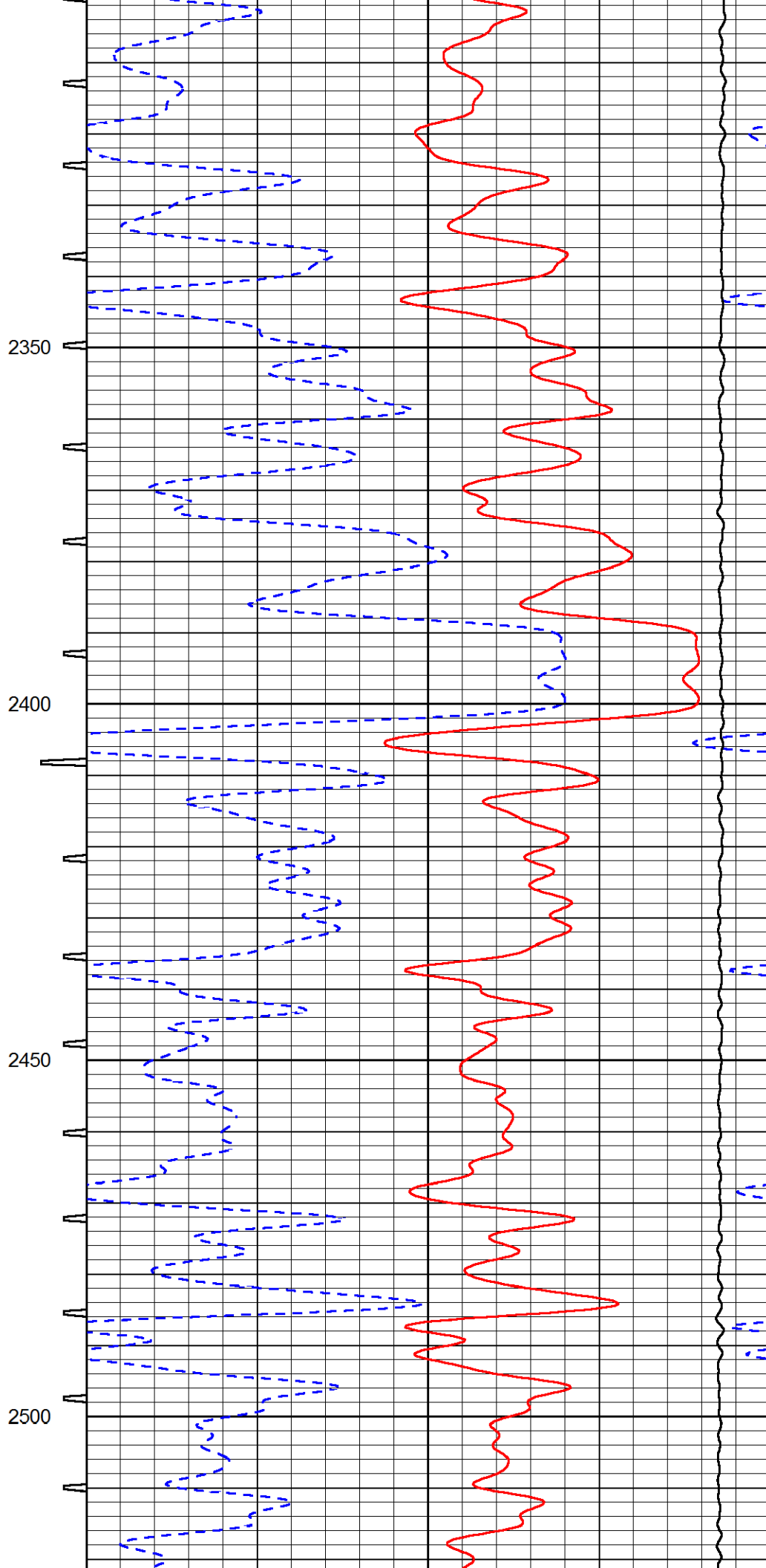
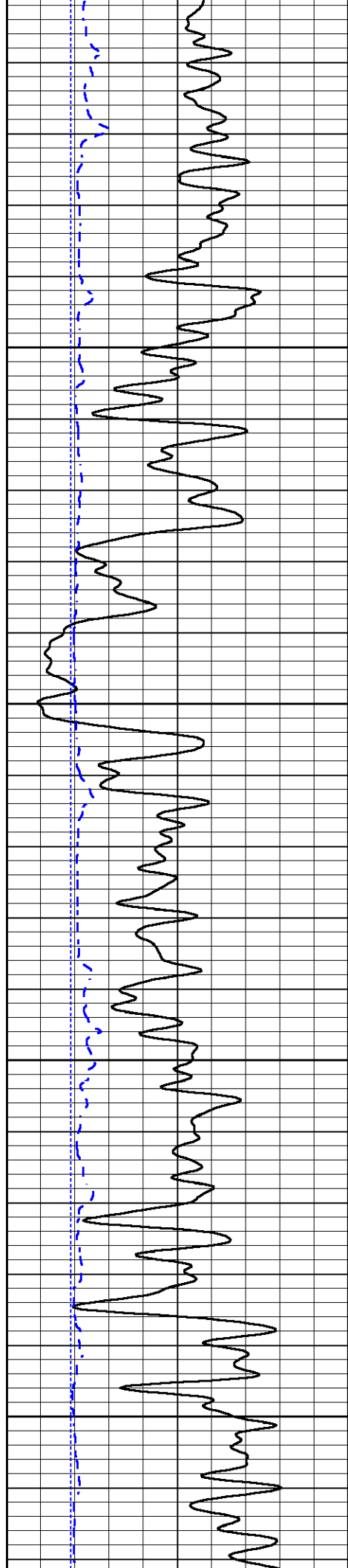


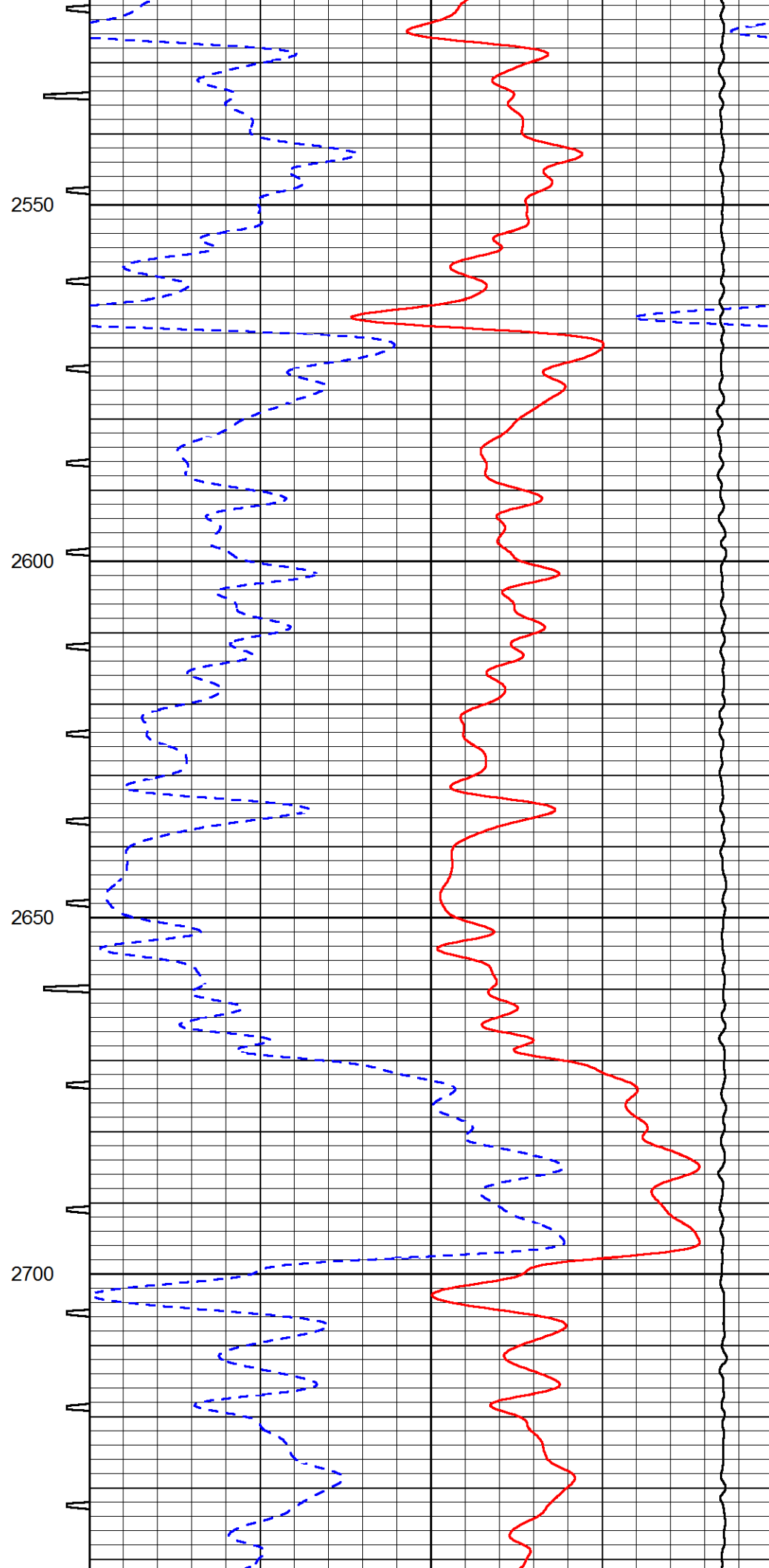
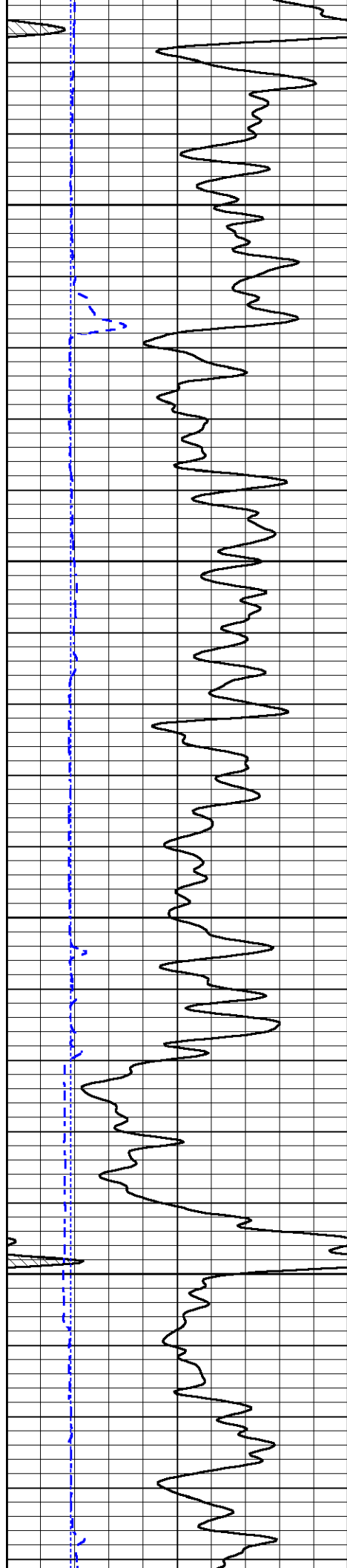


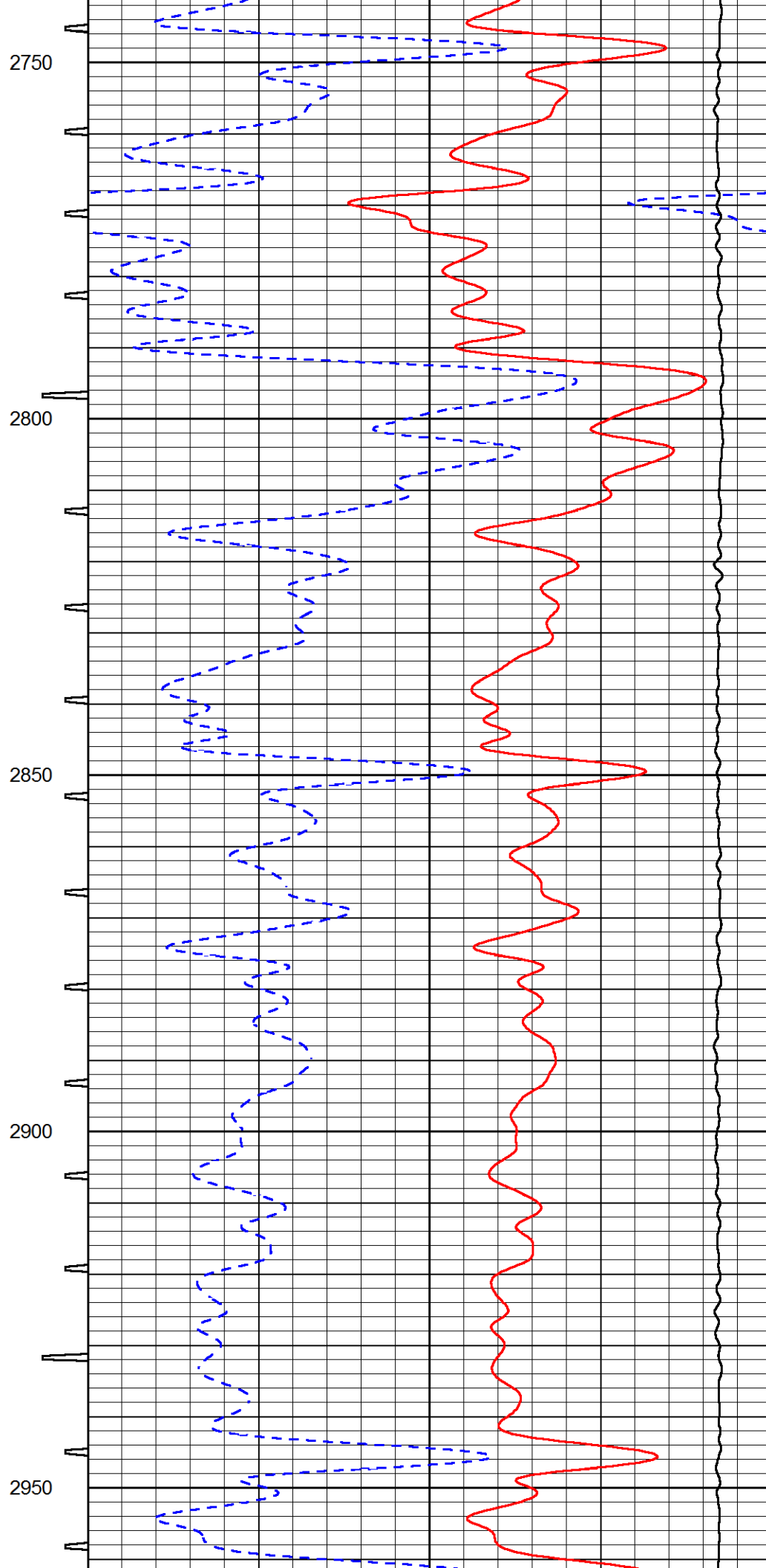
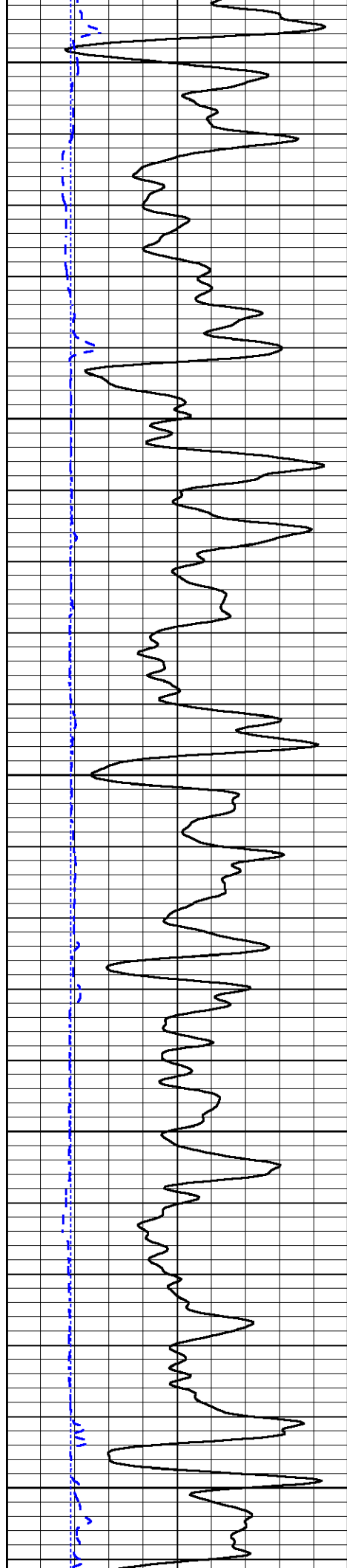


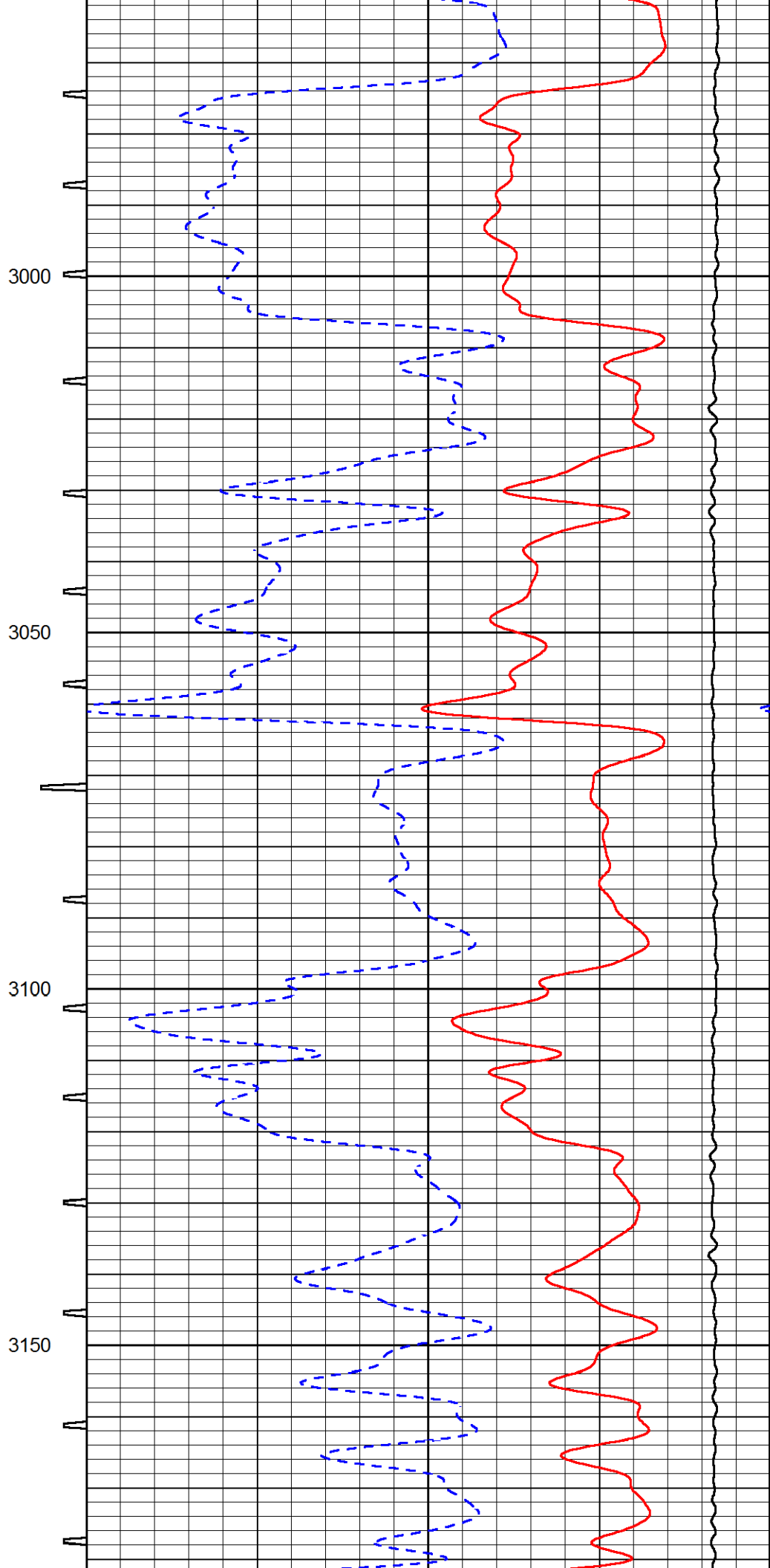
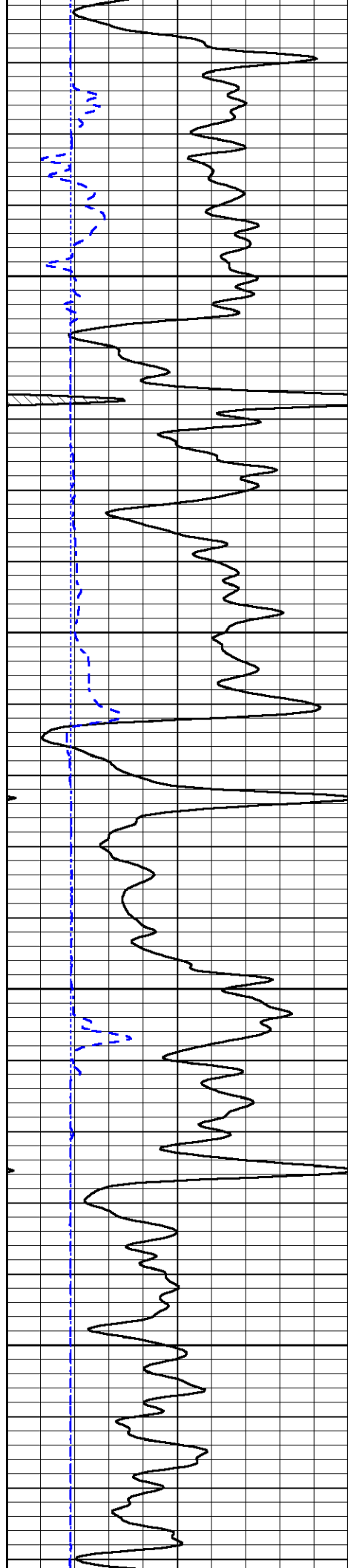


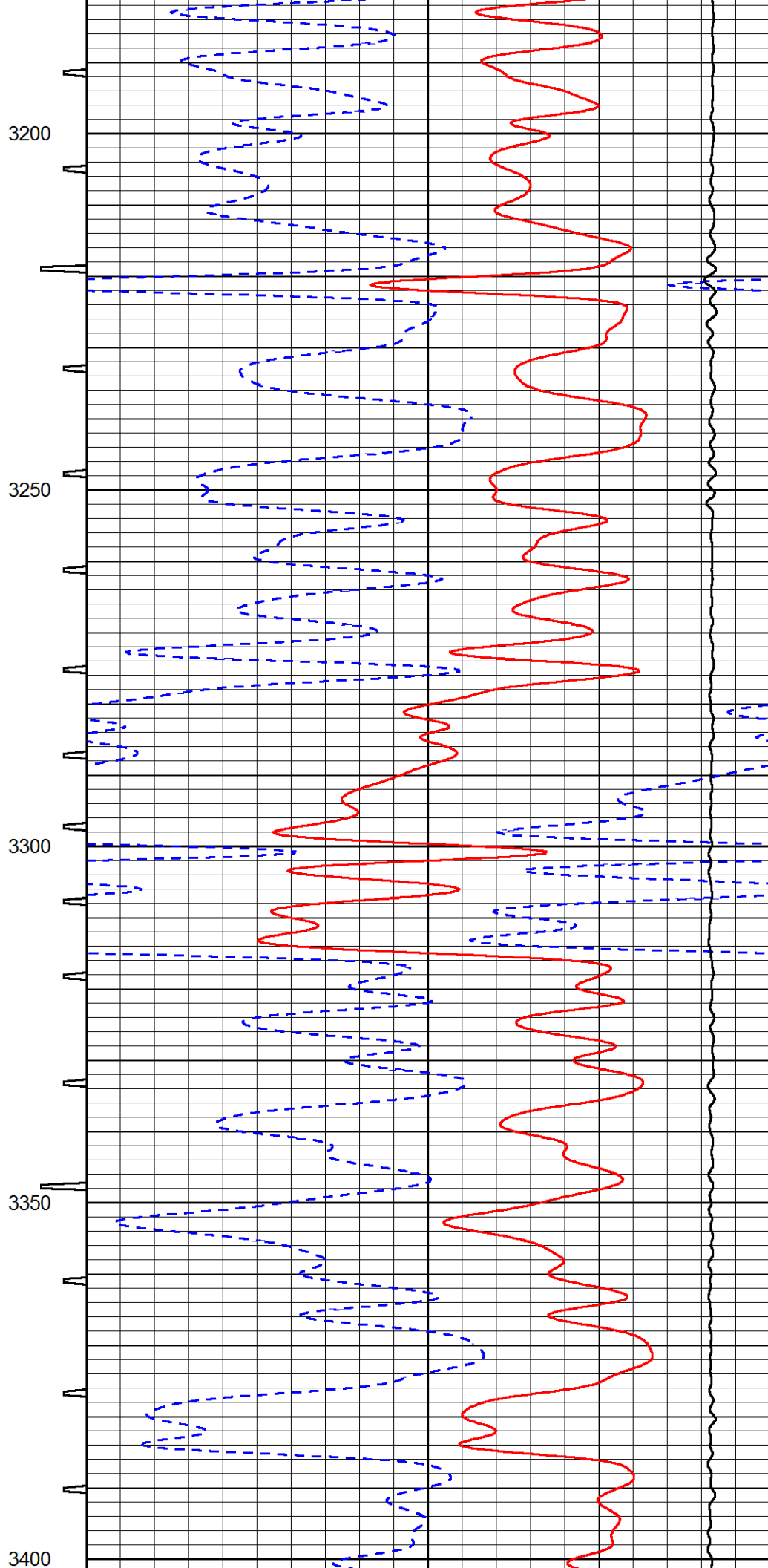


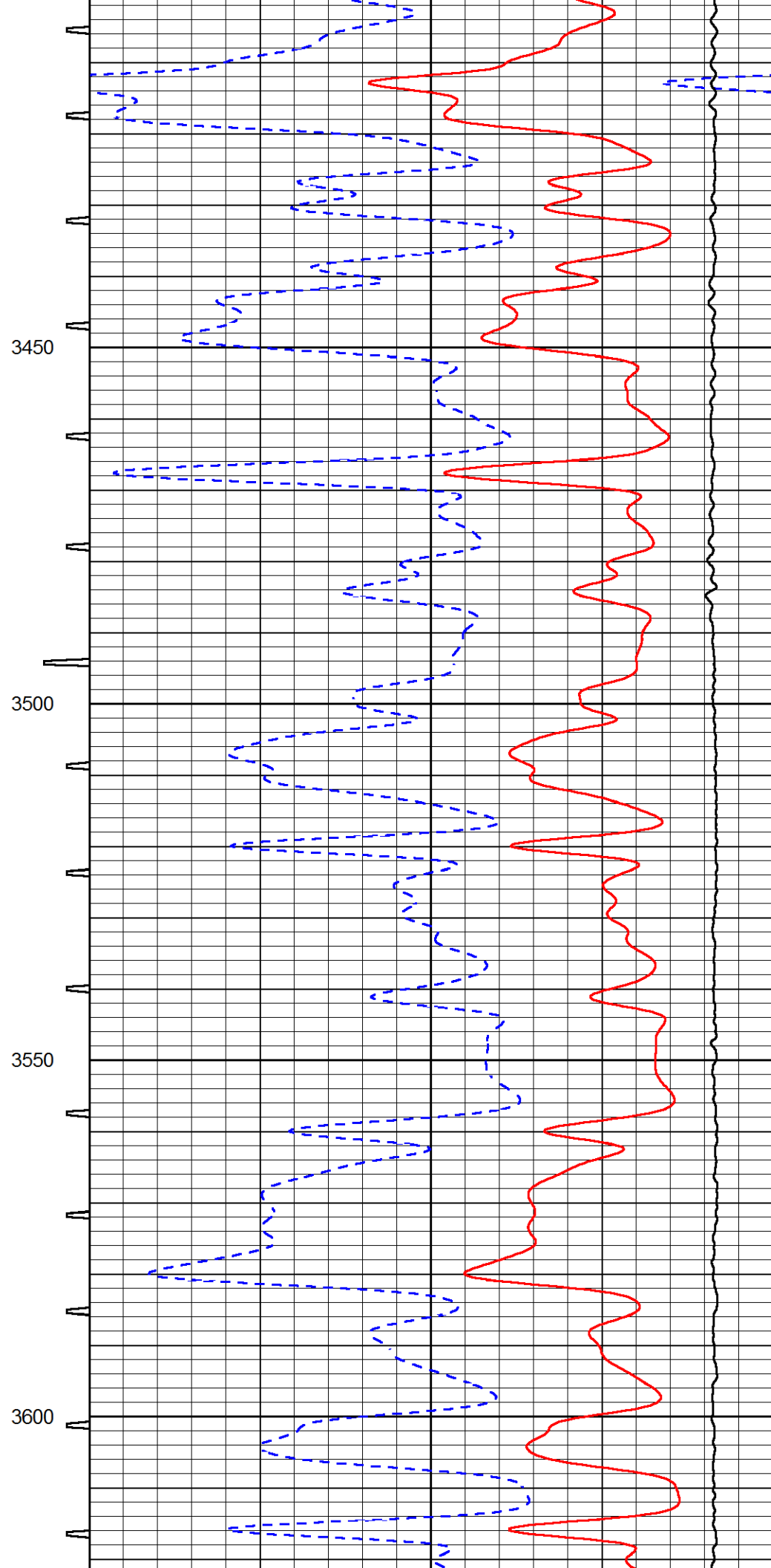
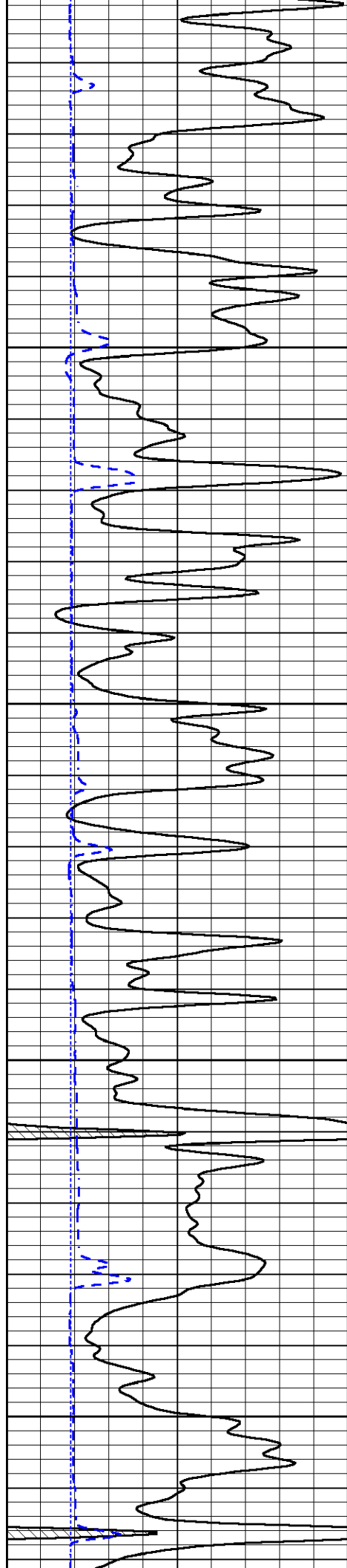


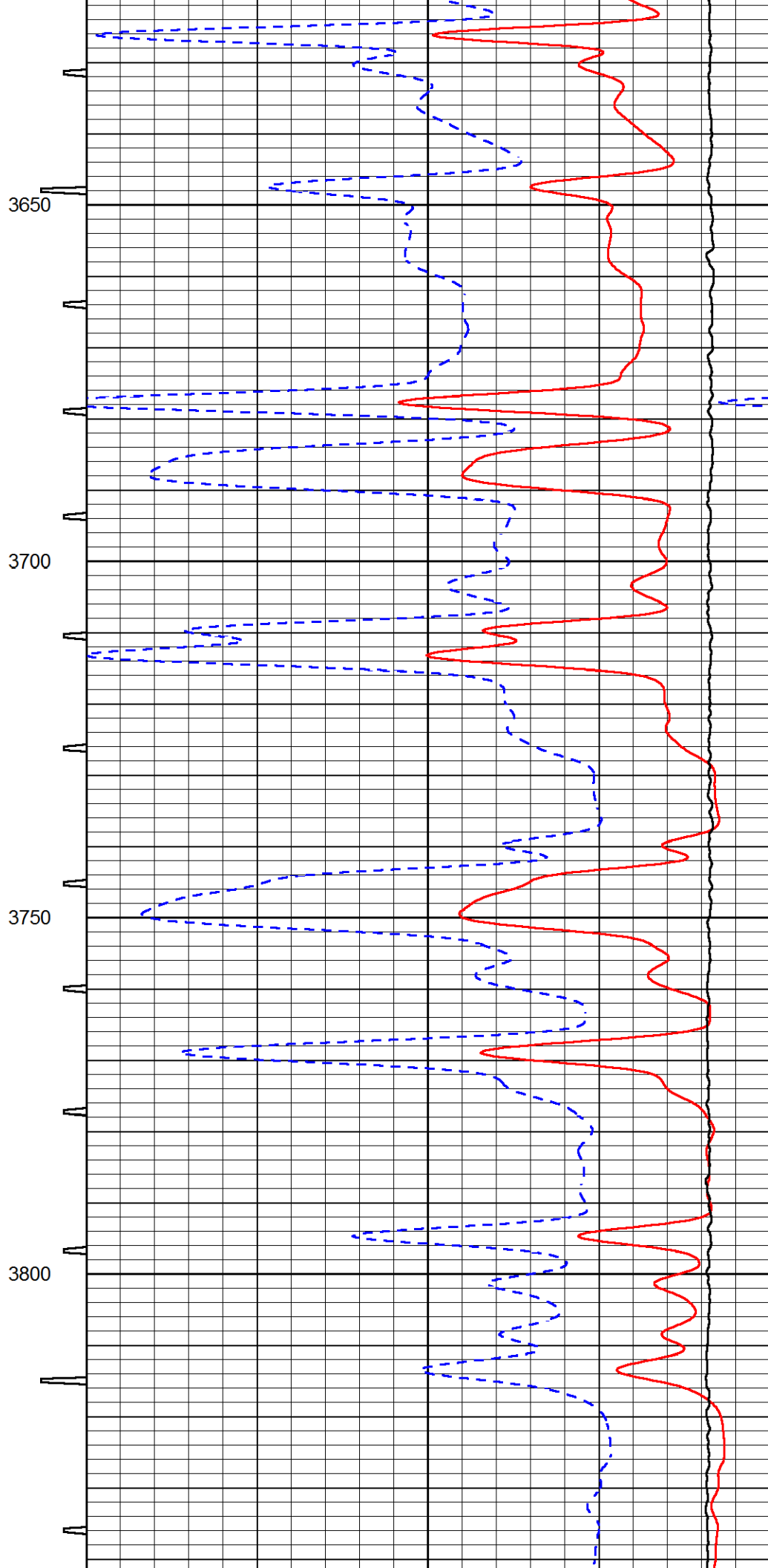
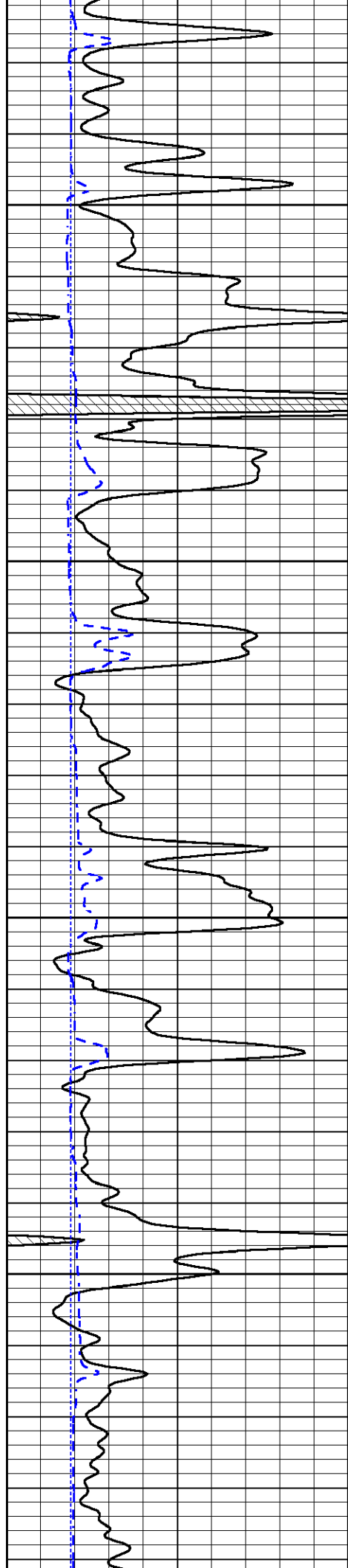


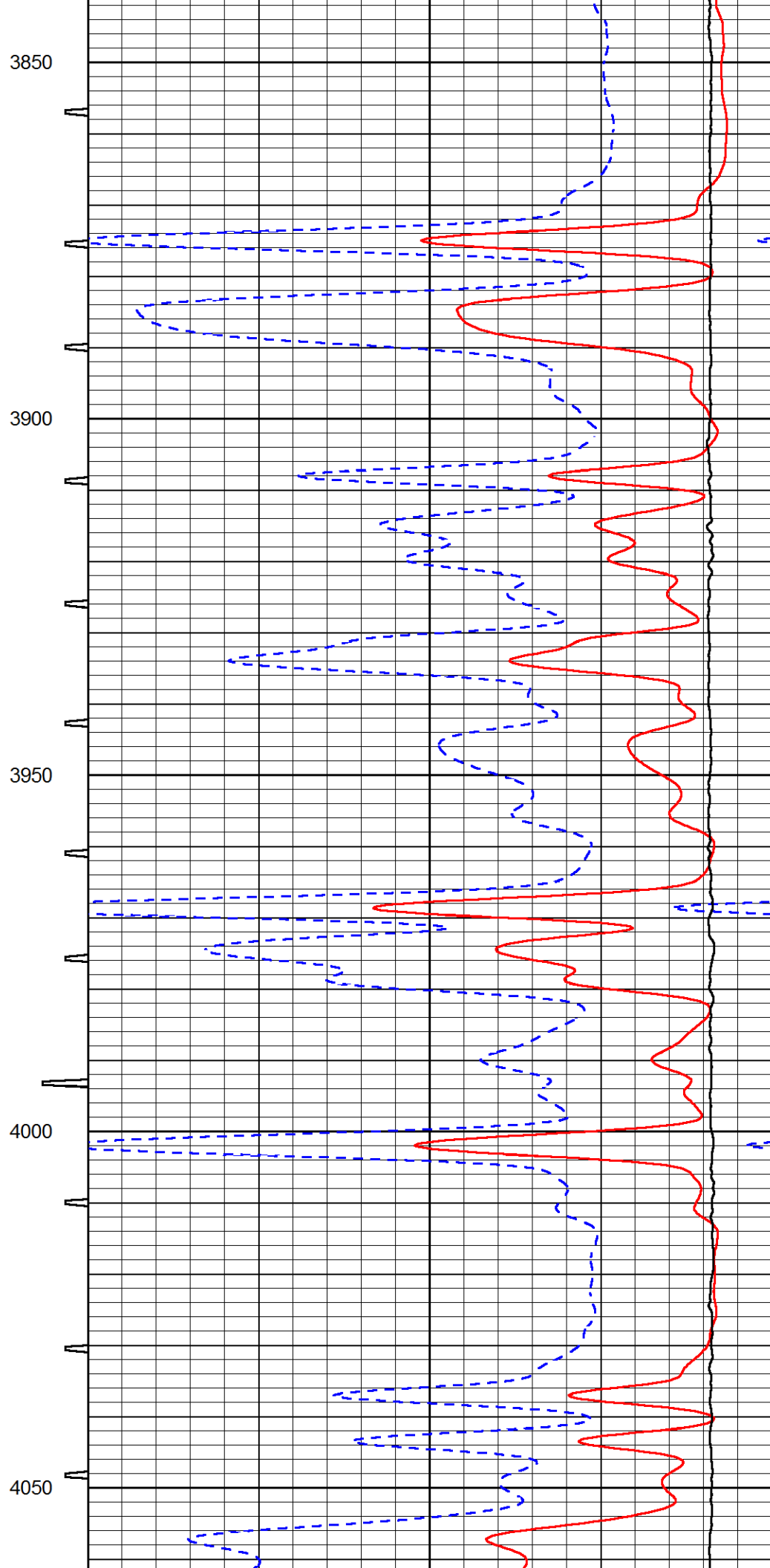
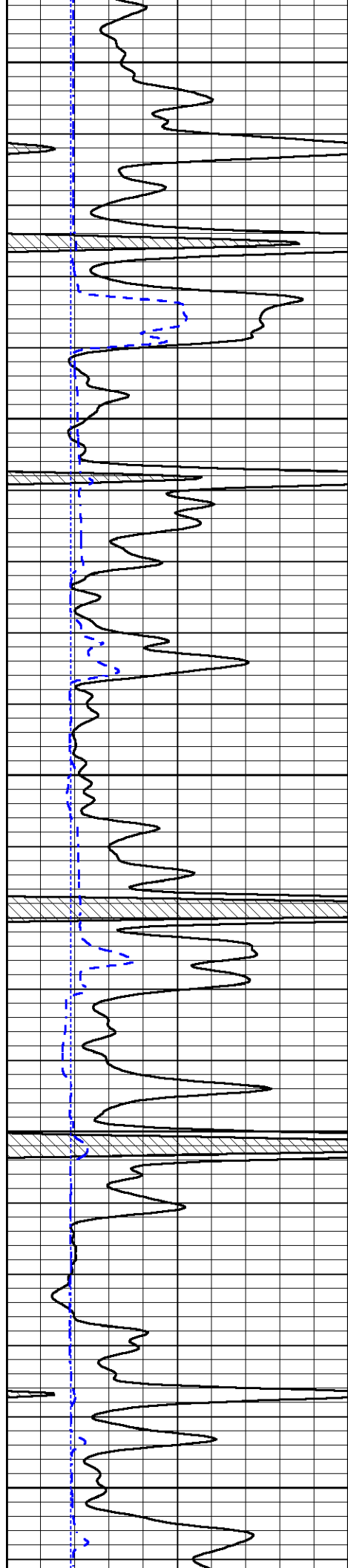


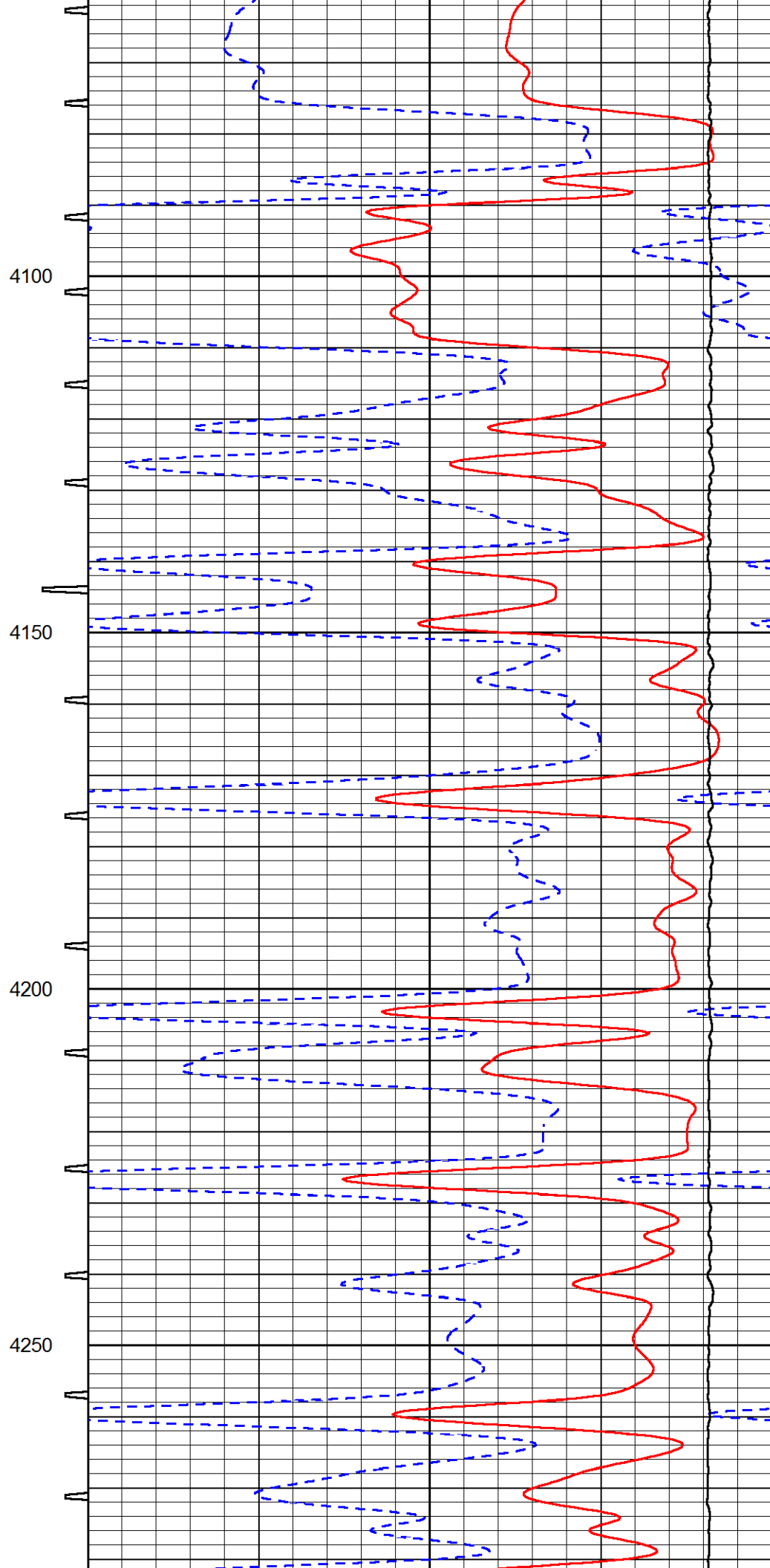
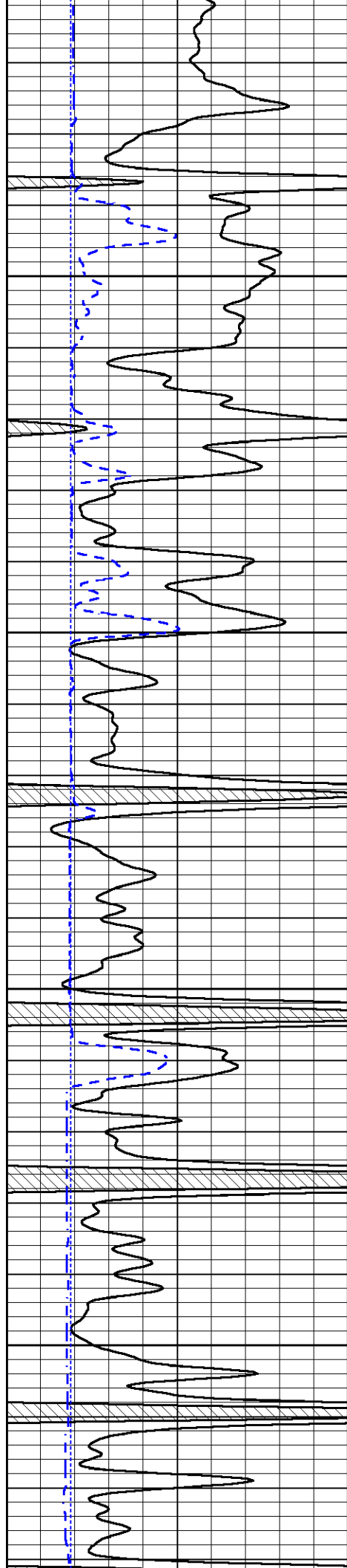


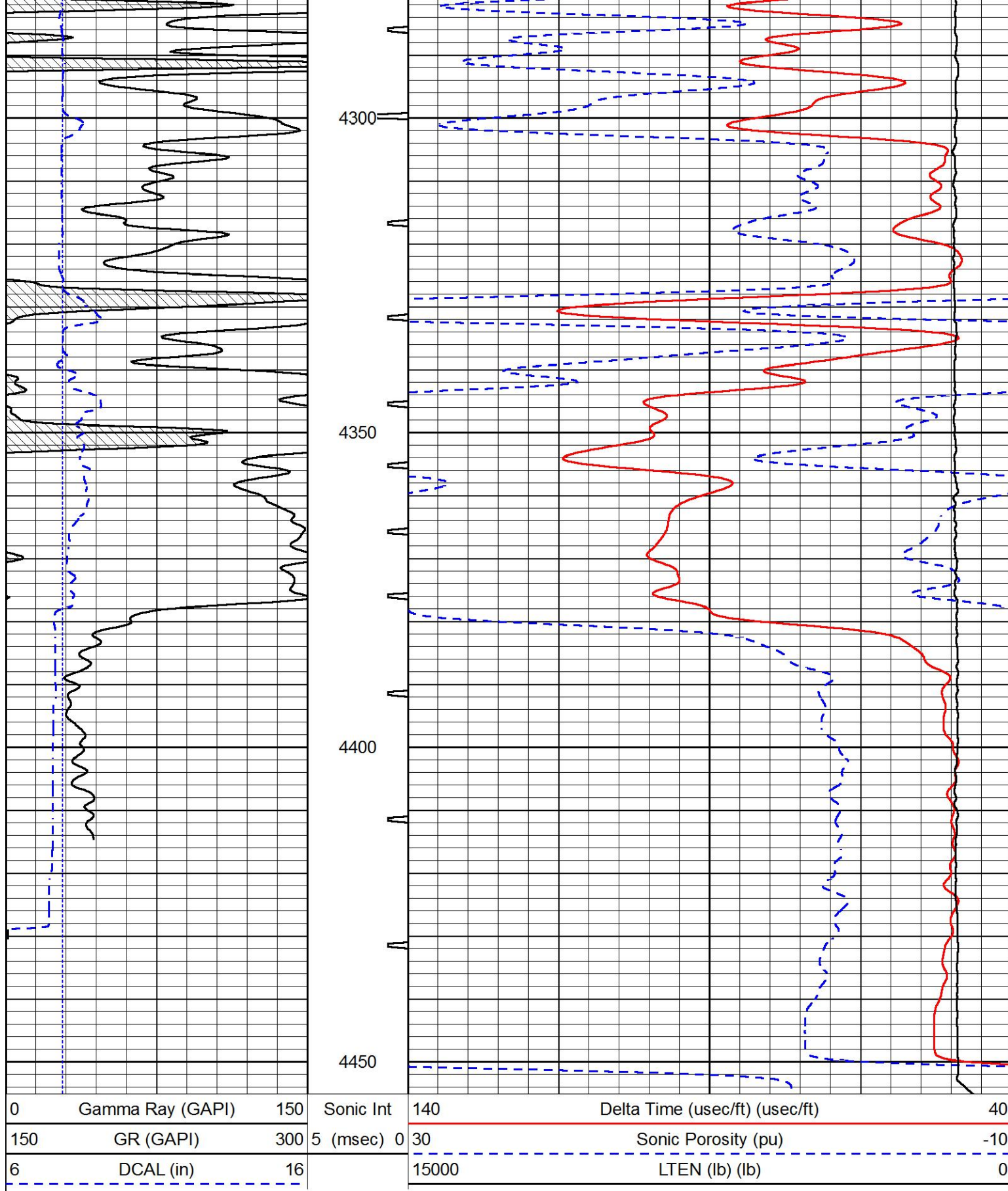








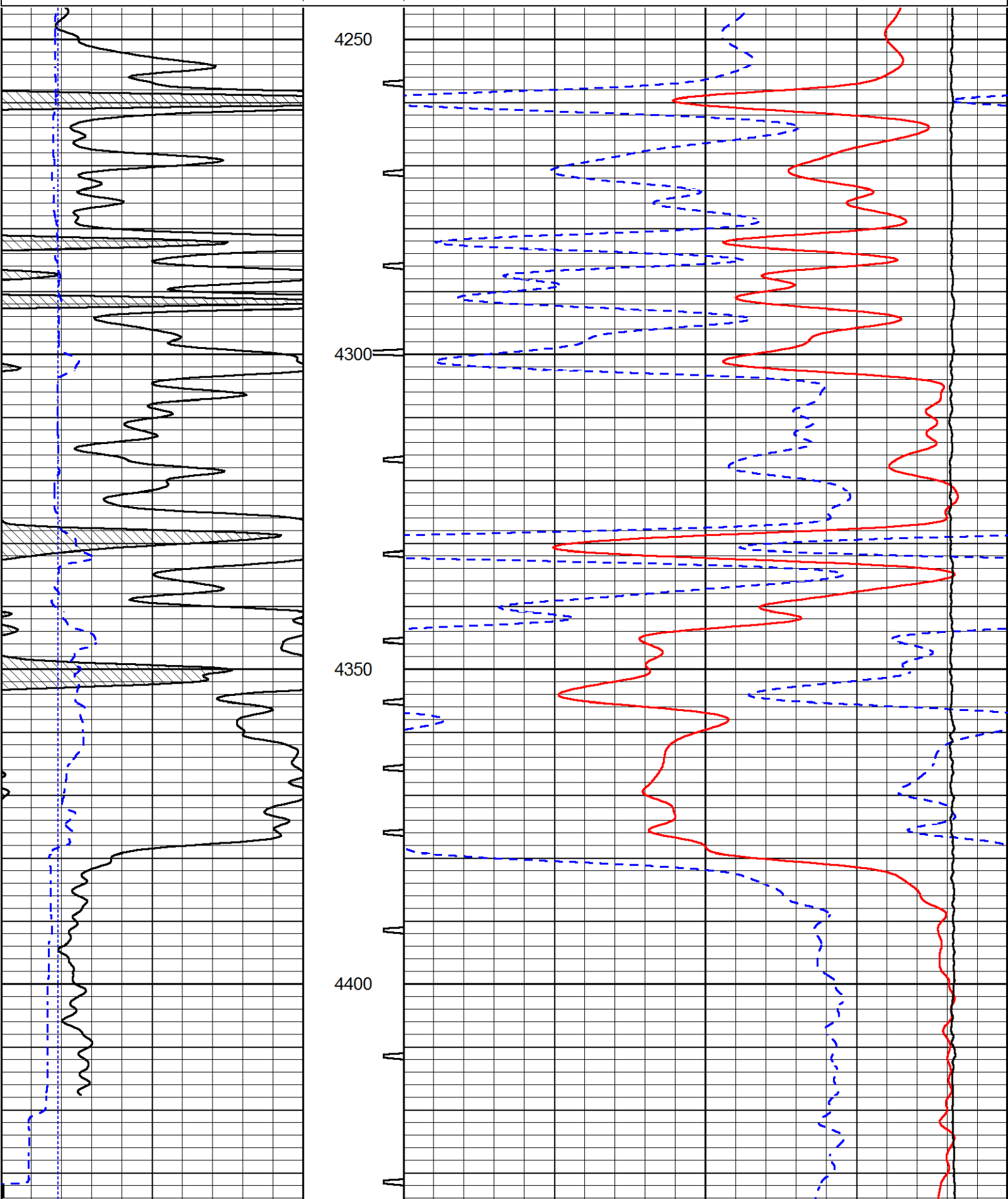


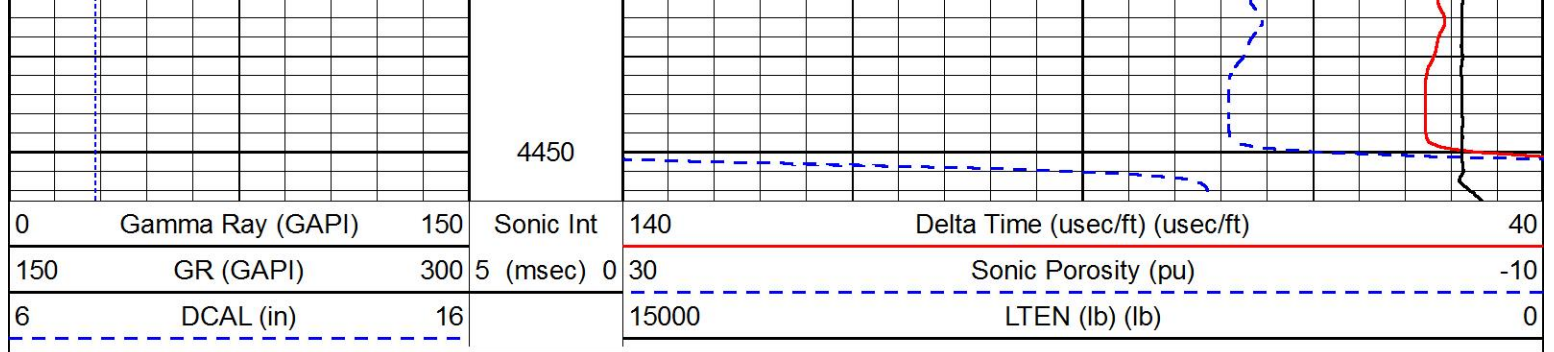


REPEAT SECTION

REPEAT PASS

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





Company	Shakespeare Oil Co., Inc.
Well	Ottley #3-21
Field	Chalk Buttes
County	Logan
State	Kansas