



PIONEER

Pioneer Energy Services

BOREHOLE COMPENSATED SONIC LOG

Company **SHAKESPEARE OIL CO. INC.**

Well **CL COMMUNITY #1-30**

Field **WILDCAT**

County **SCOTT** State **KANSAS**

Location: API #: 15-171-21256-00-00

118' FNL & 2456' FWL

Other Services
DIL/MEL
CNL/CDL

SEC 30 TWP 16S RGE 32W

Permanent Datum
Log Measured From
Drilling Measured From

GROUND LEVEL
KELLY BUSHING
KELLY BUSHING

Elevation
K.B. 2931'
D.F. N/A
G.L. 2921'

Date 7/21/2019

Run Number

TWO

Type Log

BHCS

Depth Driller

4725'

Depth Logger

4724'

Bottom Logged Interval

4713'

Top Logged Interval

250'

Type Fluid In Hole

CHEMICAL

Salinity, PPM CL

4000

Density

9.3

Level

FULL

Max. Rec. Temp. F

123 DEG/F

Operating Rig Time

5 HOURS

Equipment -- Location

P-108 HAYS

Recorded By

J. HENRICKSON

Witnessed By

VERN SCHRAG

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

ONE 12.25"

0

265'

8.625"

23#

0

265'

TWO 7.875"

265'

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.

SCOTT CITY KANSAS
11 NORTH TO INGRESS, 1/2 NW ON TRAIL, NORTH INTO

Log Measured From: KELLY BUSHING 10 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:

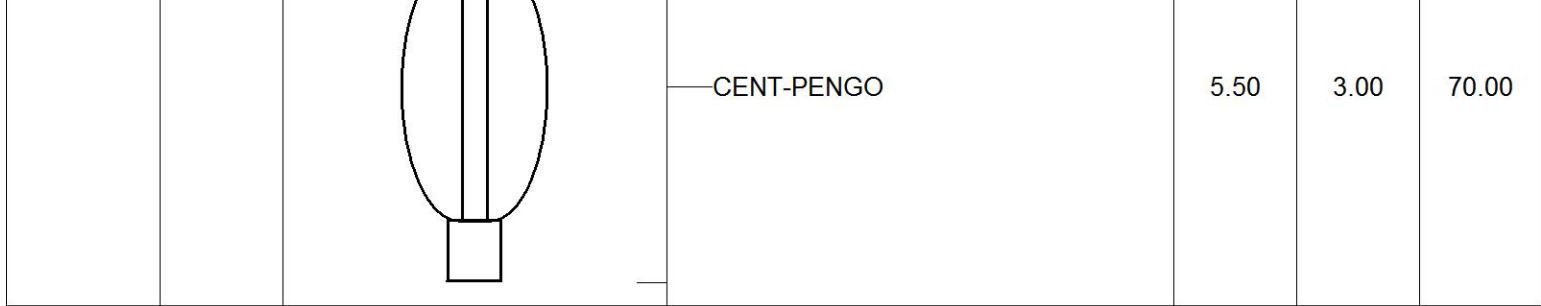
This Log Record Was Witnessed By

Primary Witness: VERN SCHRAG
Secondary Witness:
Secondary Witness:
Secondary Witness:

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 100	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 0	degF 0	Off	ft 0

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					



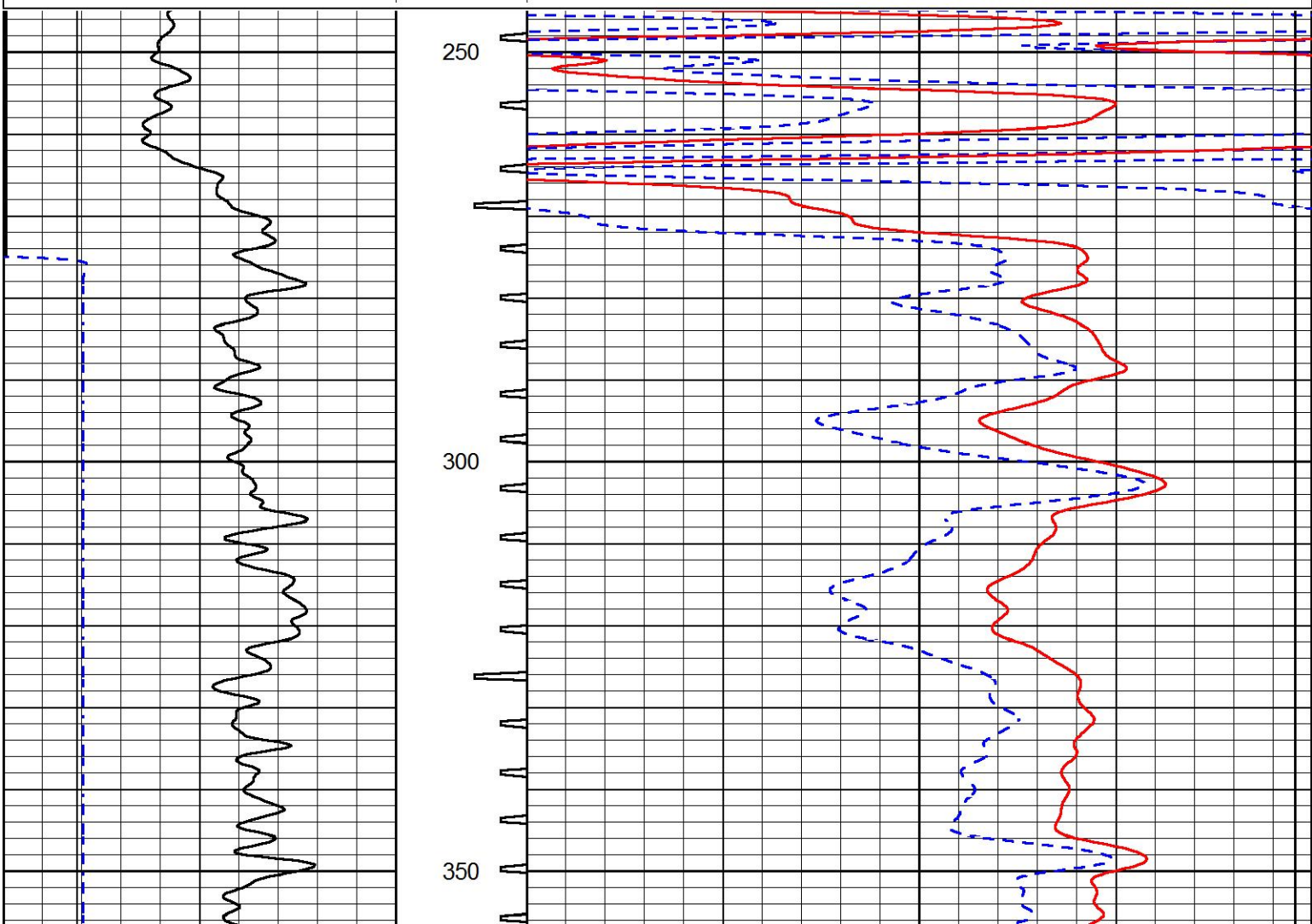
Dataset: shakespeare_cl_community_1_30.db: field/well/SONMEL/pass3
 Total length: 26.50 ft
 Total weight: 470.00 lb
 O.D.: 3.50 in

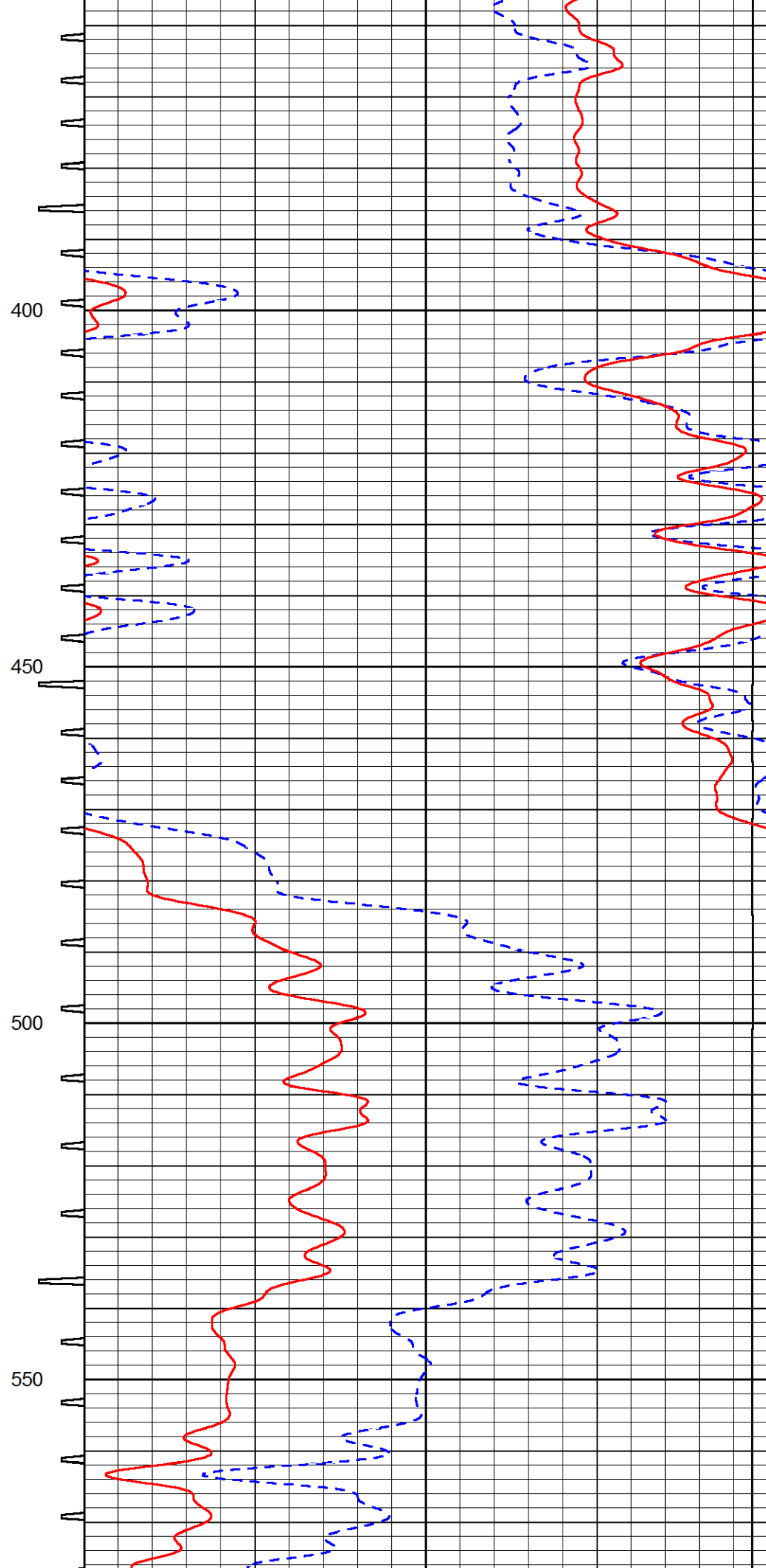
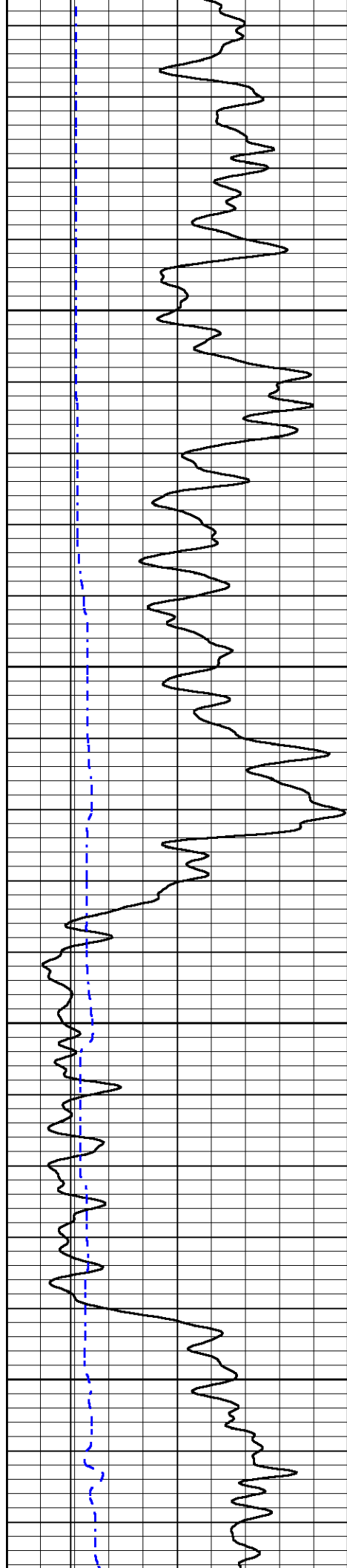


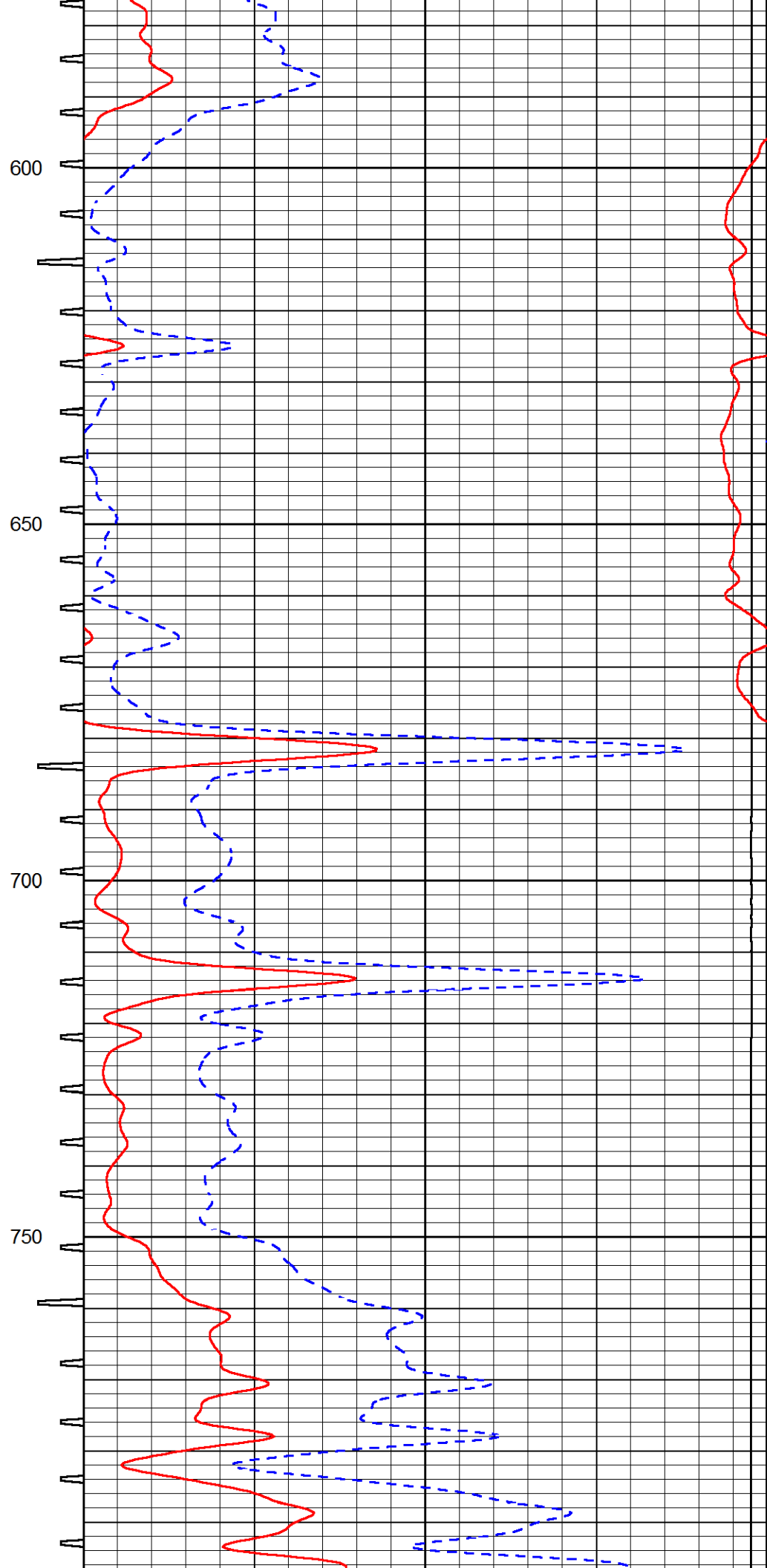
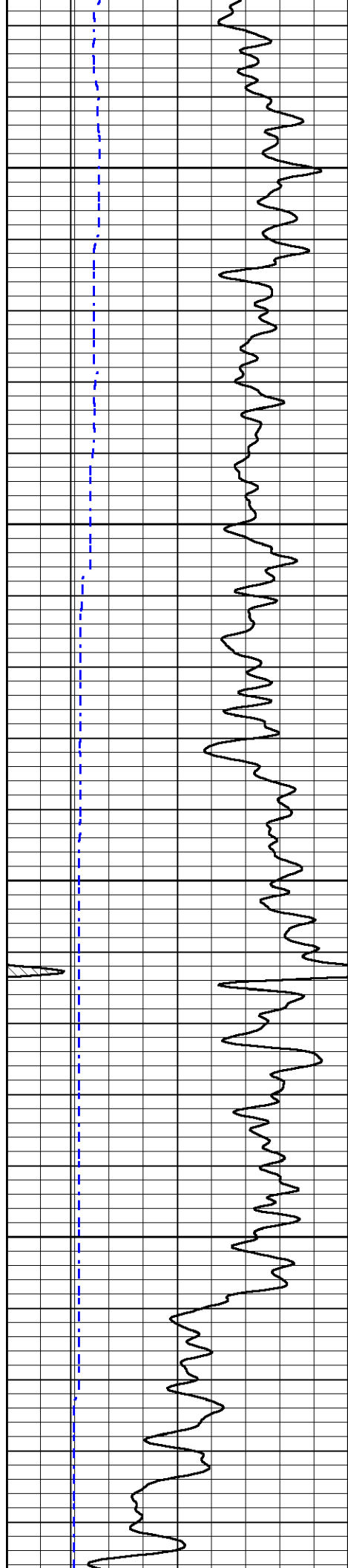
MAIN PASS

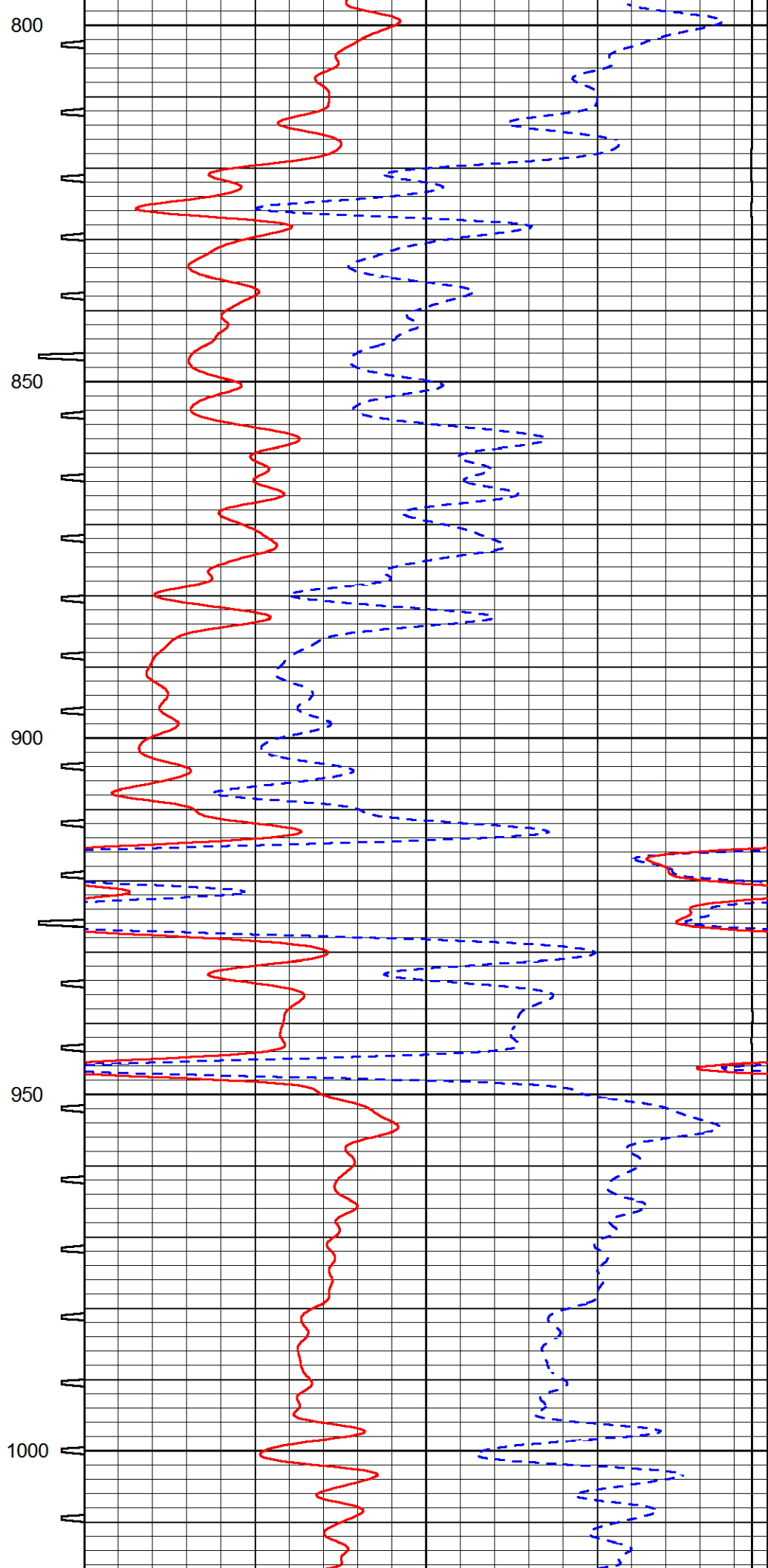
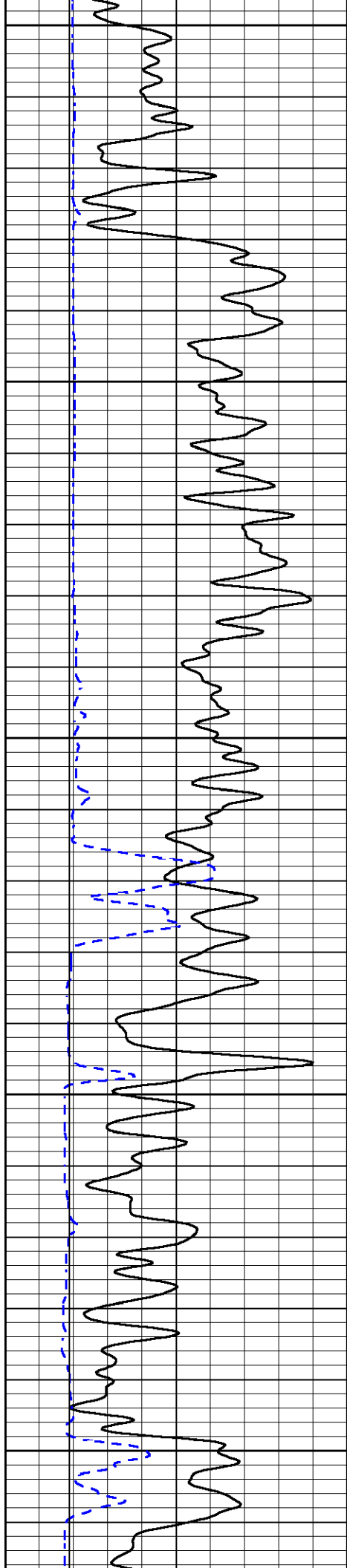
Database File	shakespeare_cl_community_1_30.db
Dataset Pathname	stack/pass3.1
Presentation Format	sonic
Dataset Creation	Sun Jul 21 18:48:39 2019
Charted by	Depth in Feet scaled 1:240

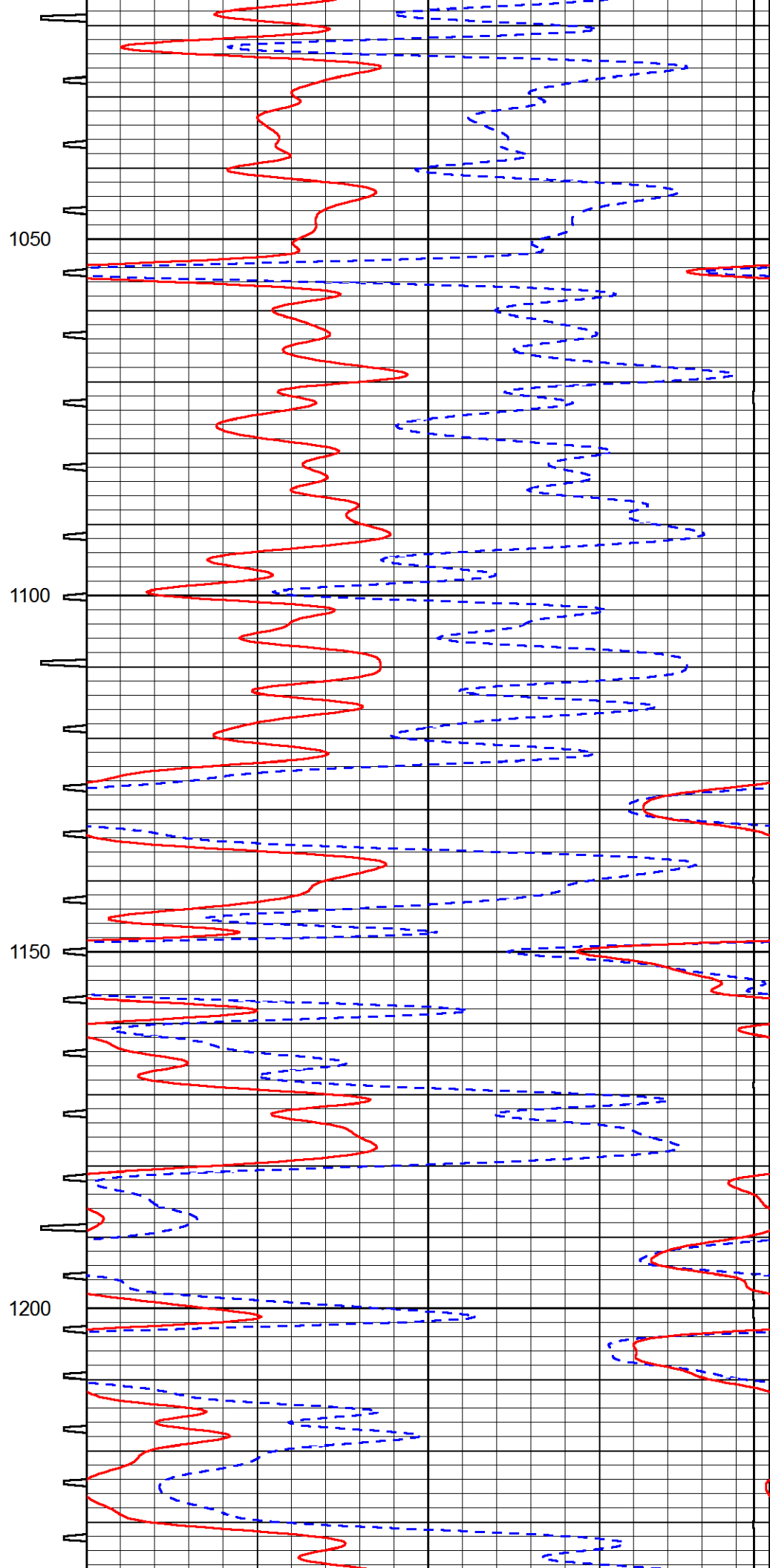
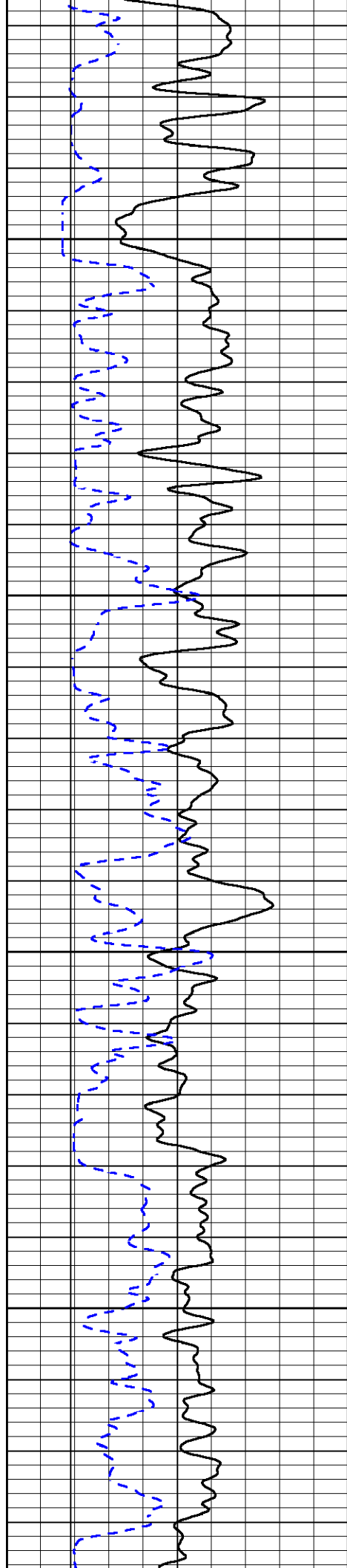
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6	CALIPER (in)	16	TRAVEL TIME	30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0

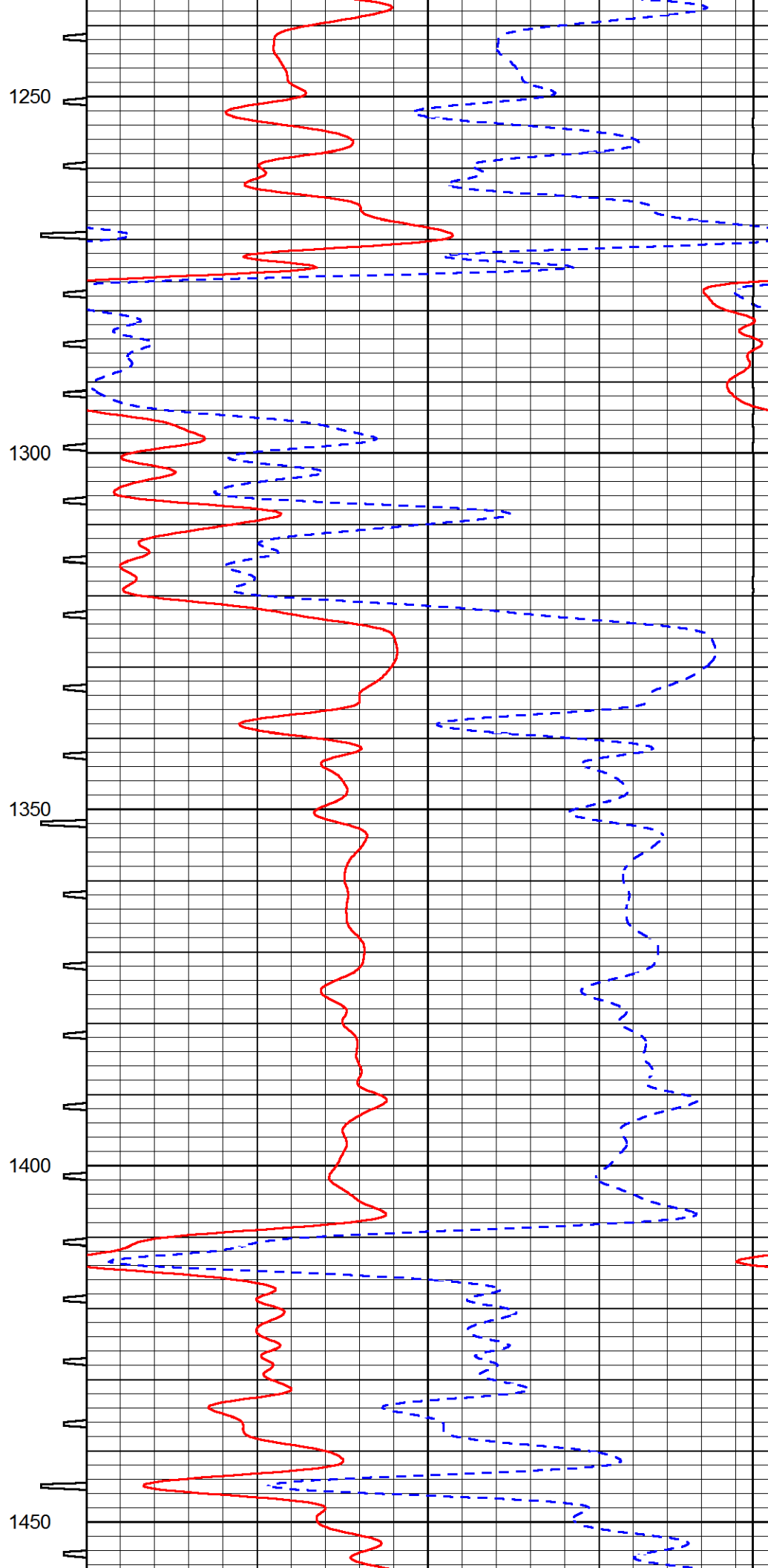
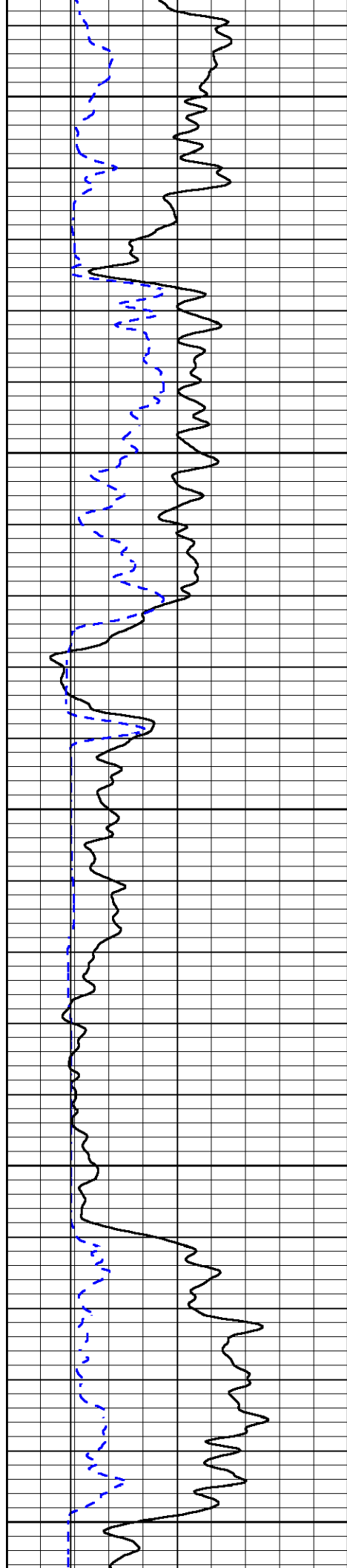


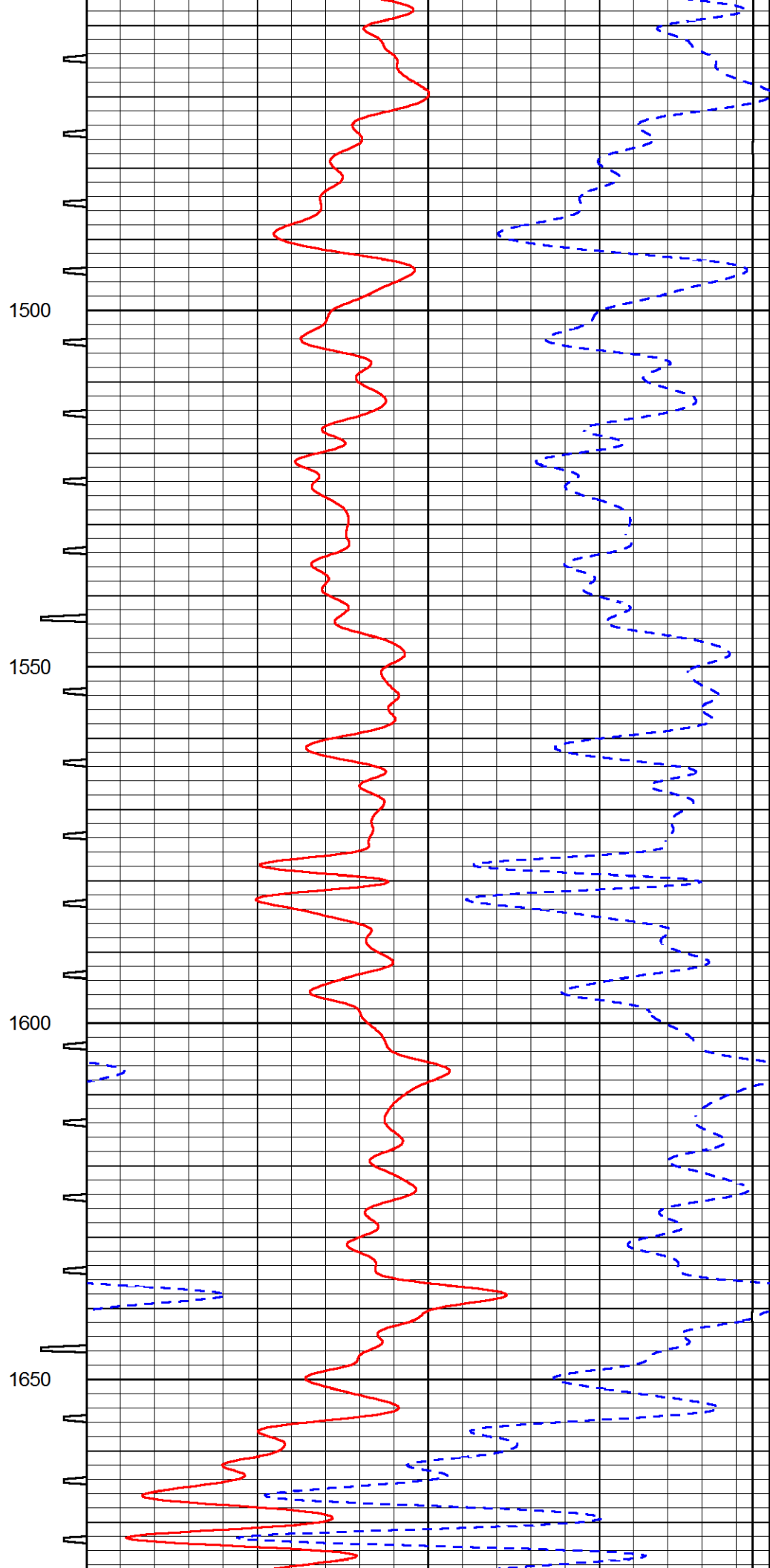
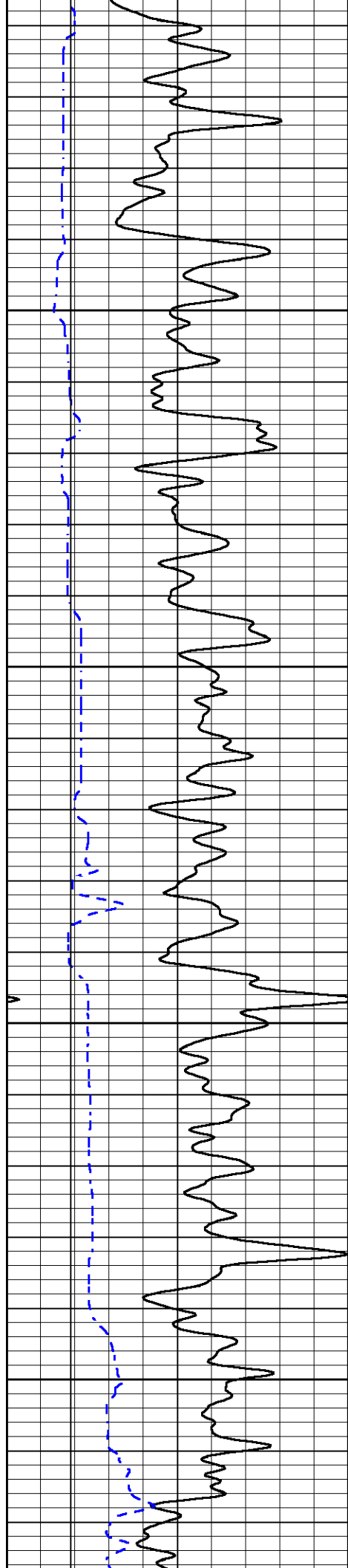


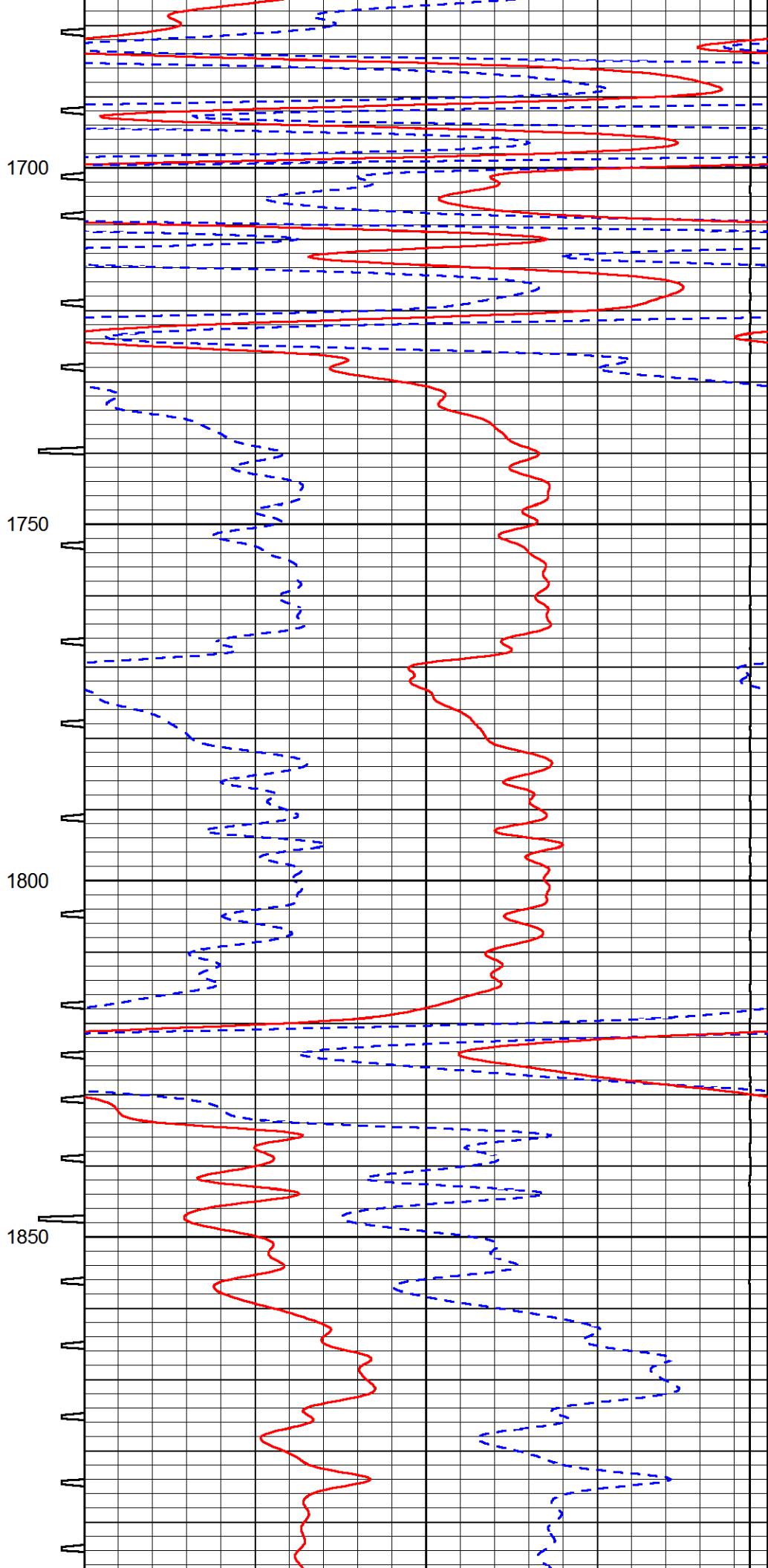
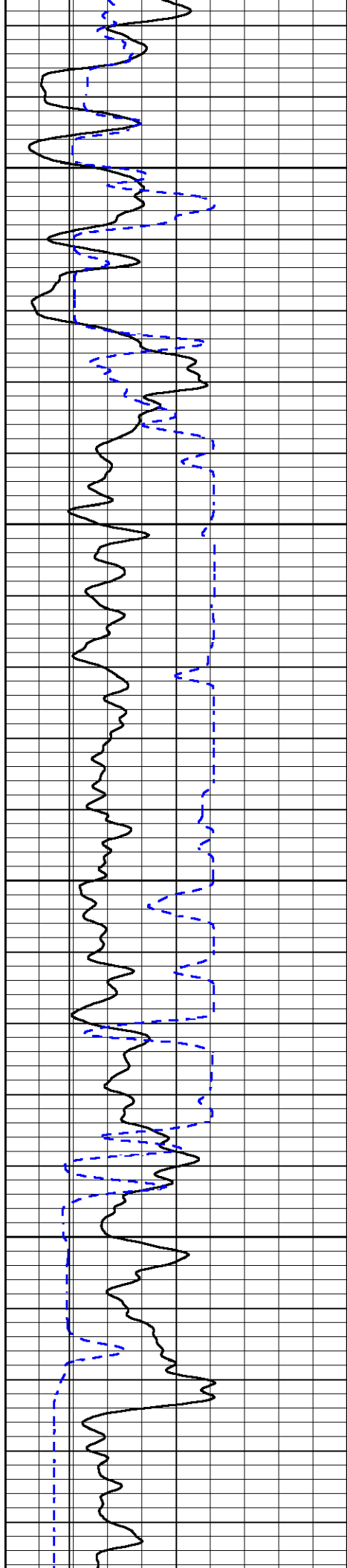


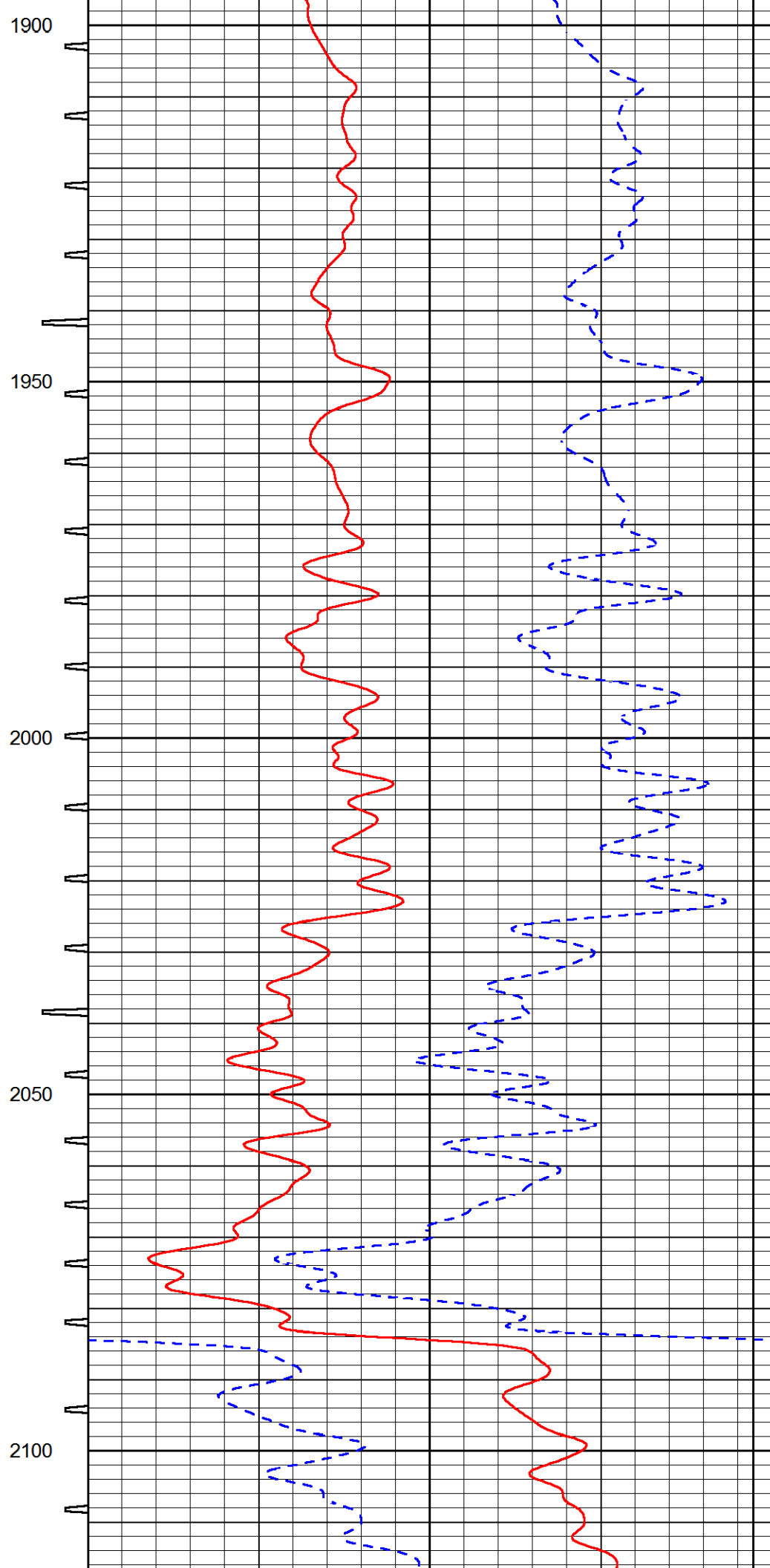
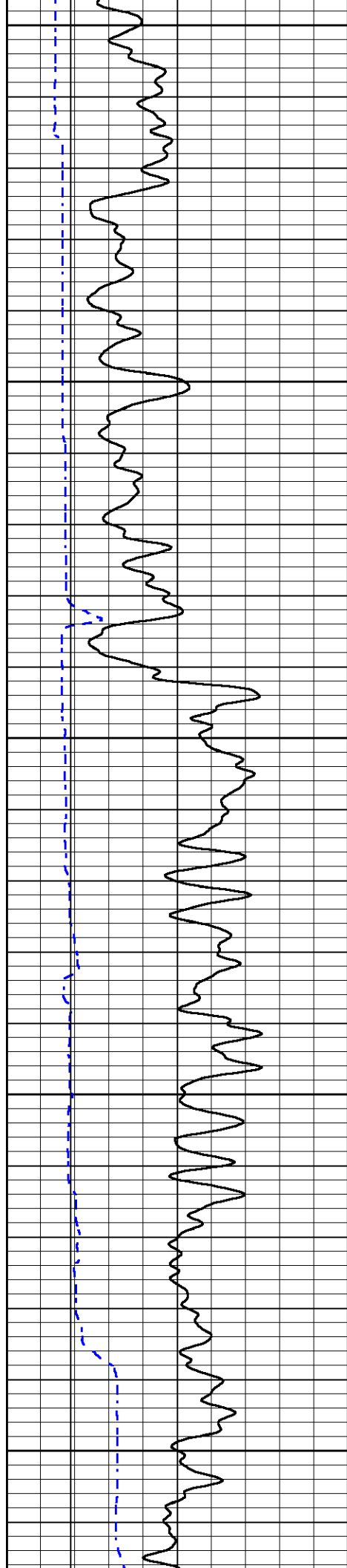


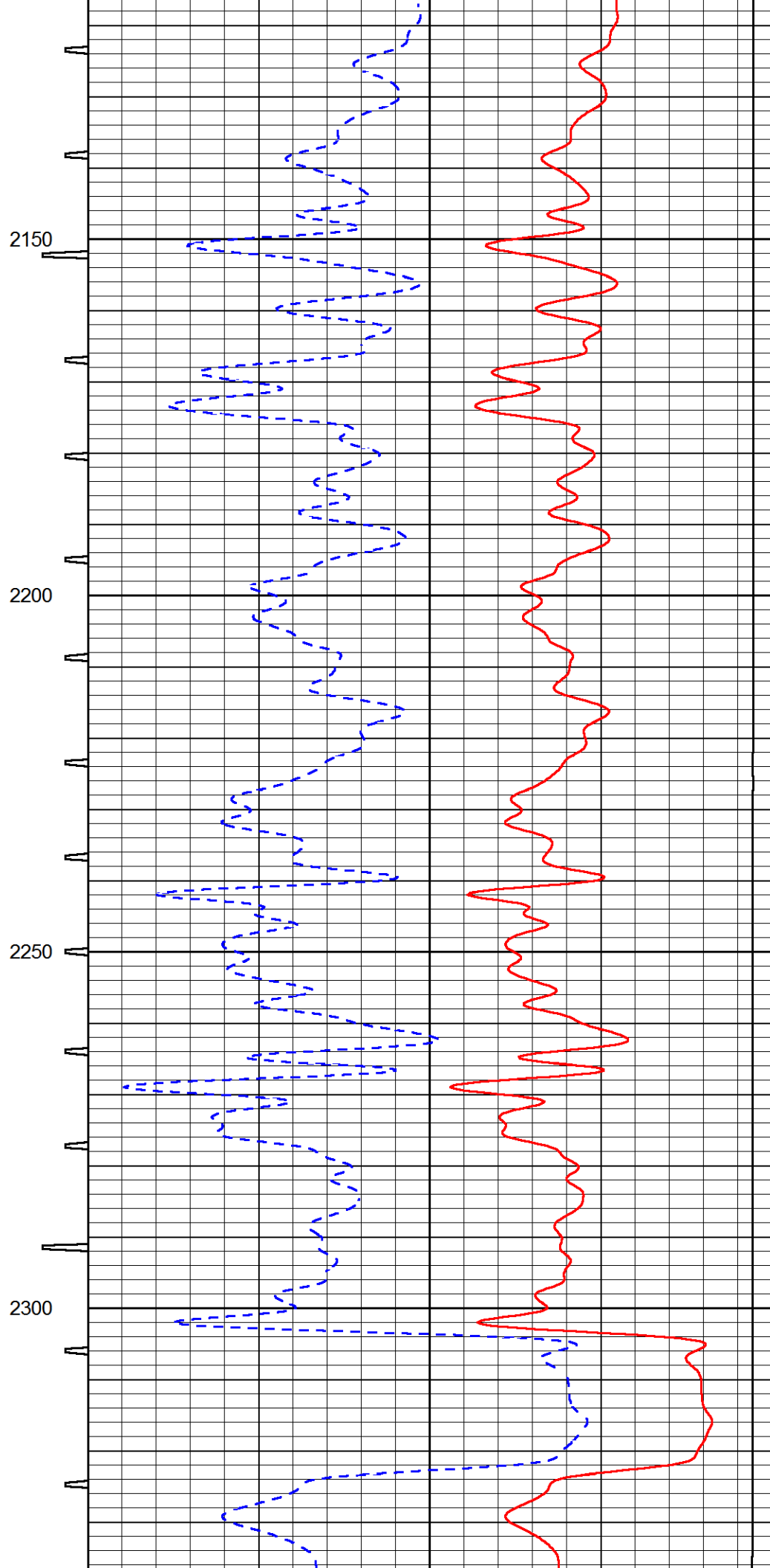
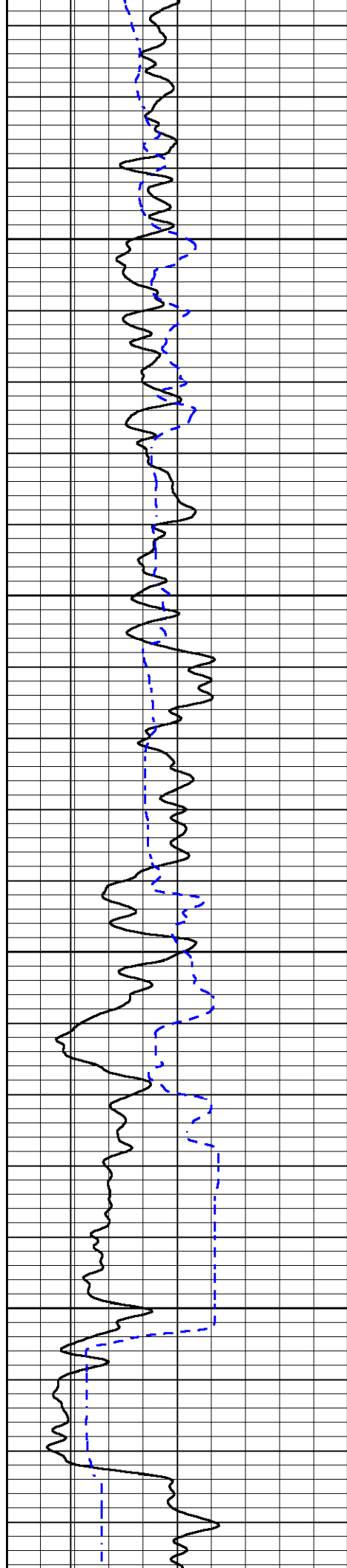


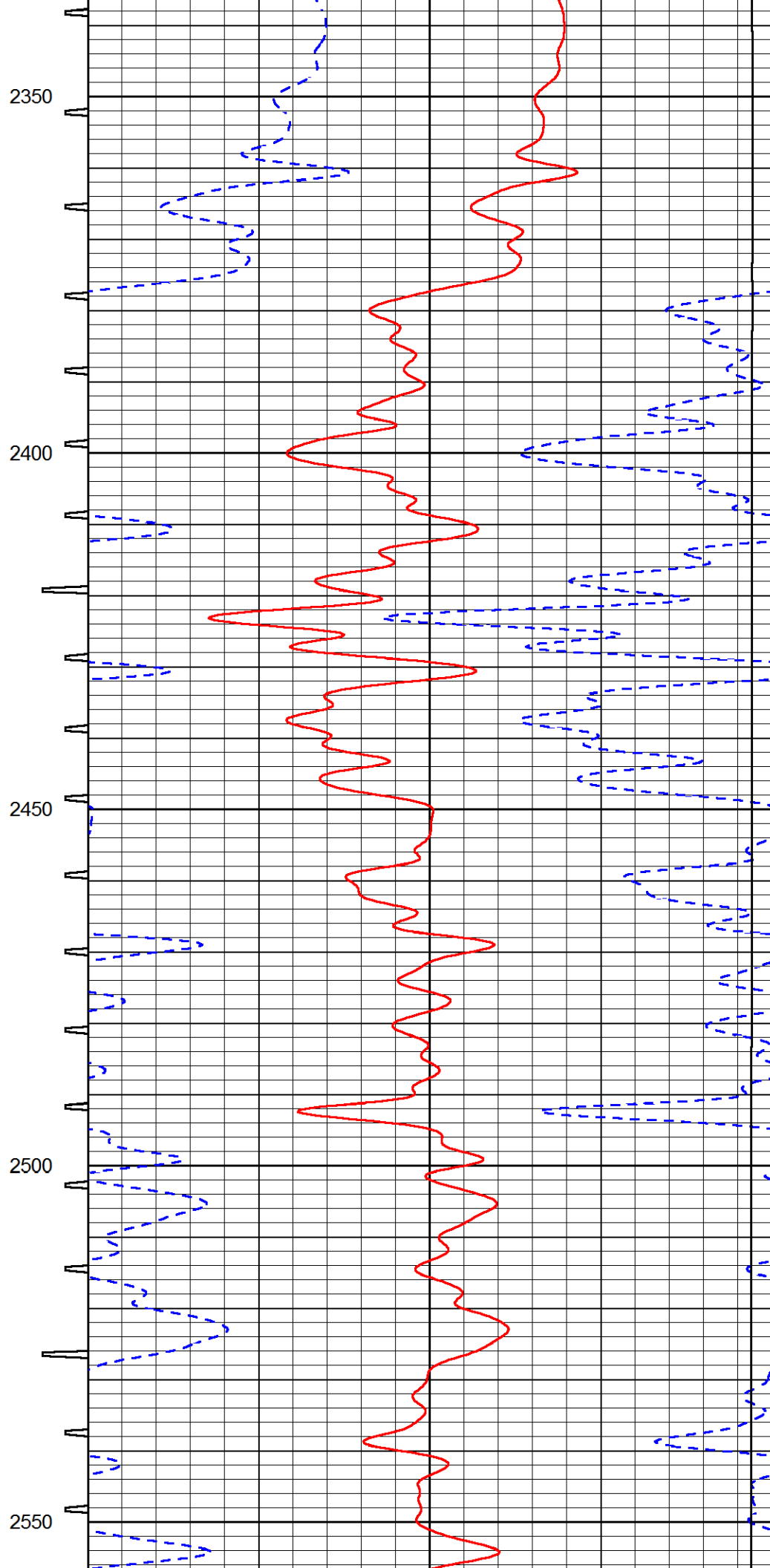
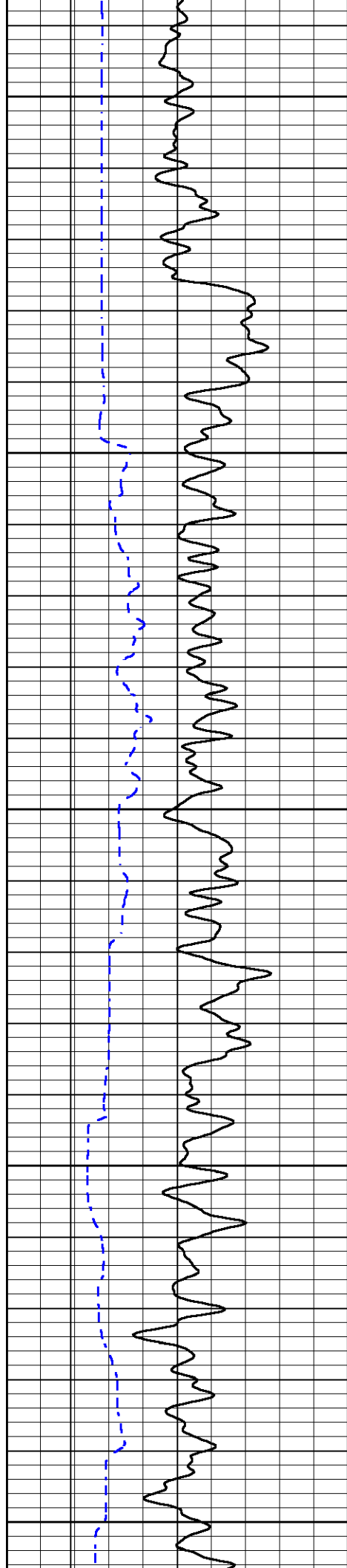


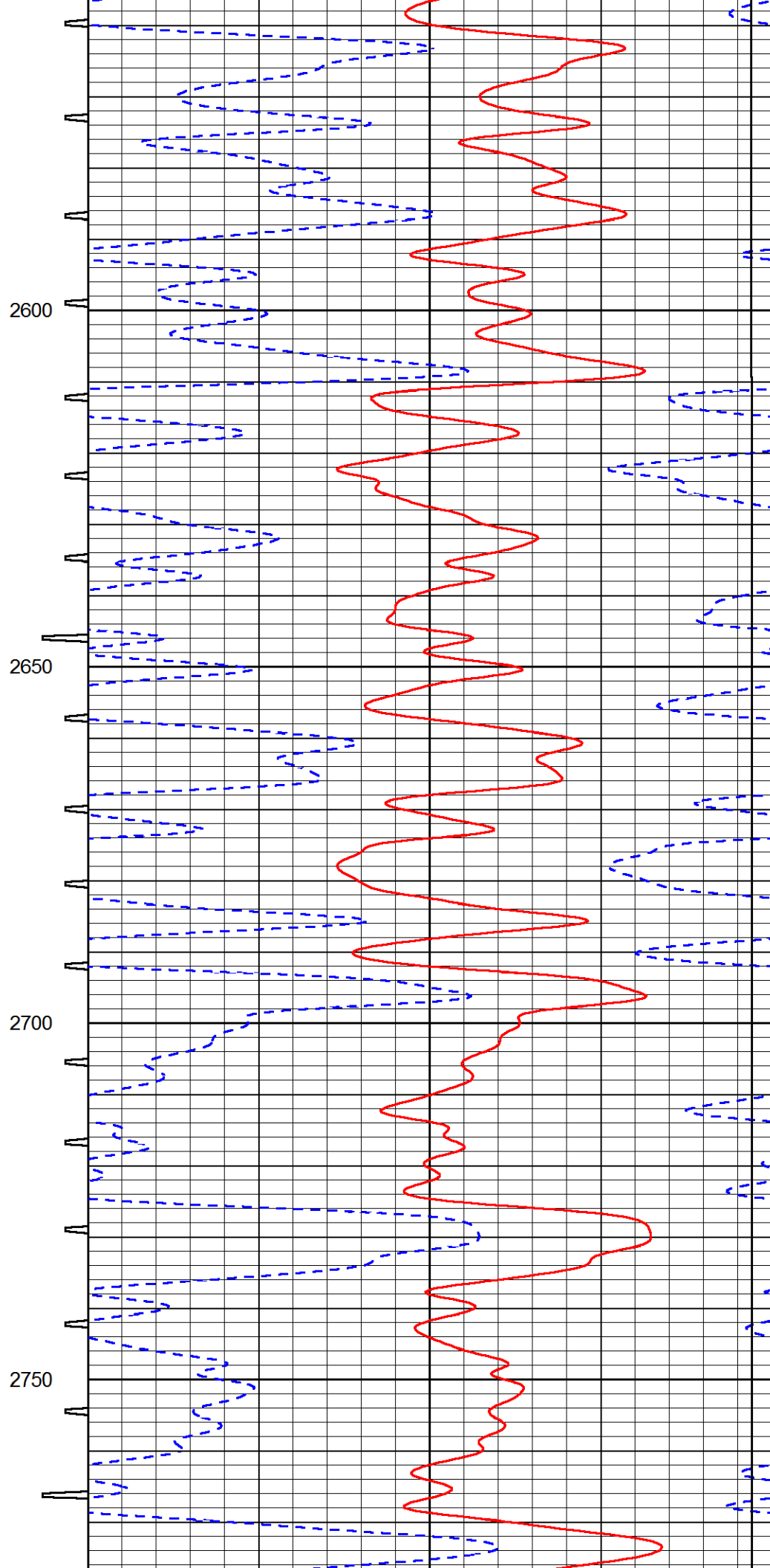
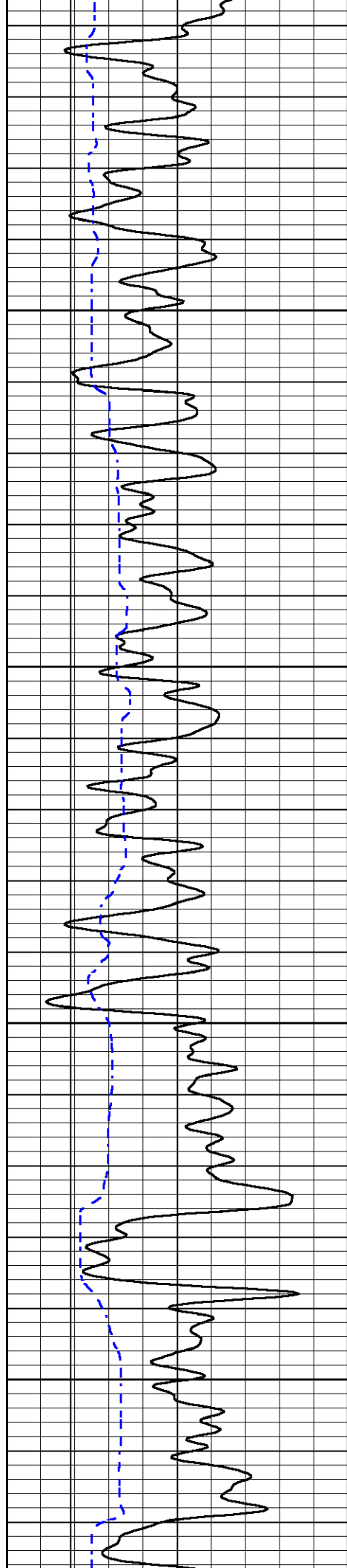


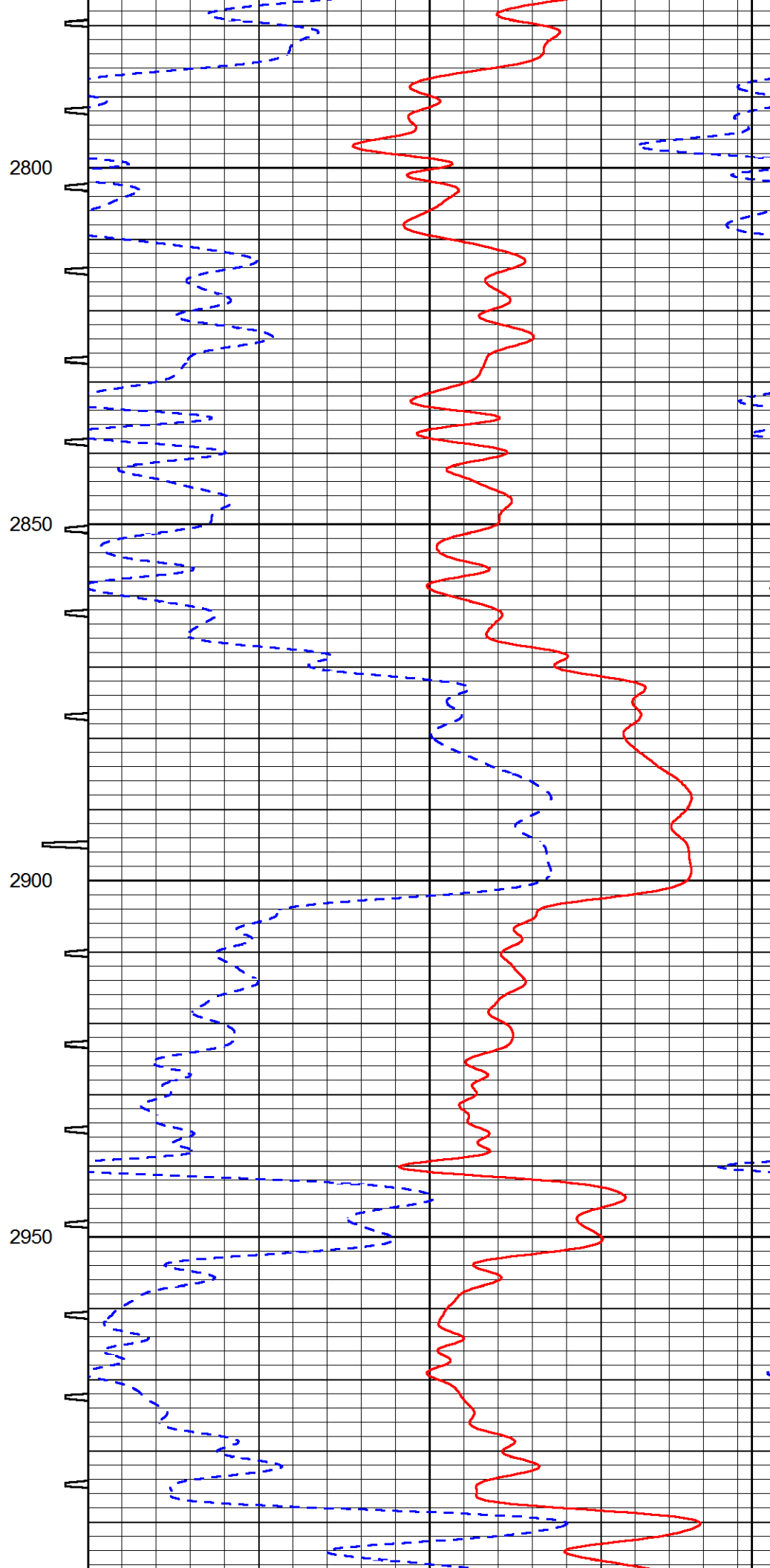
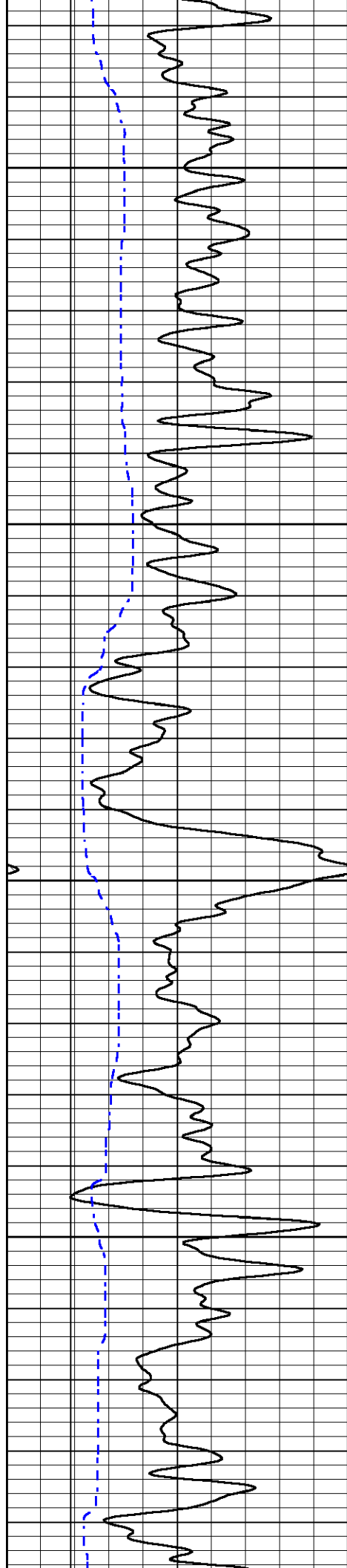


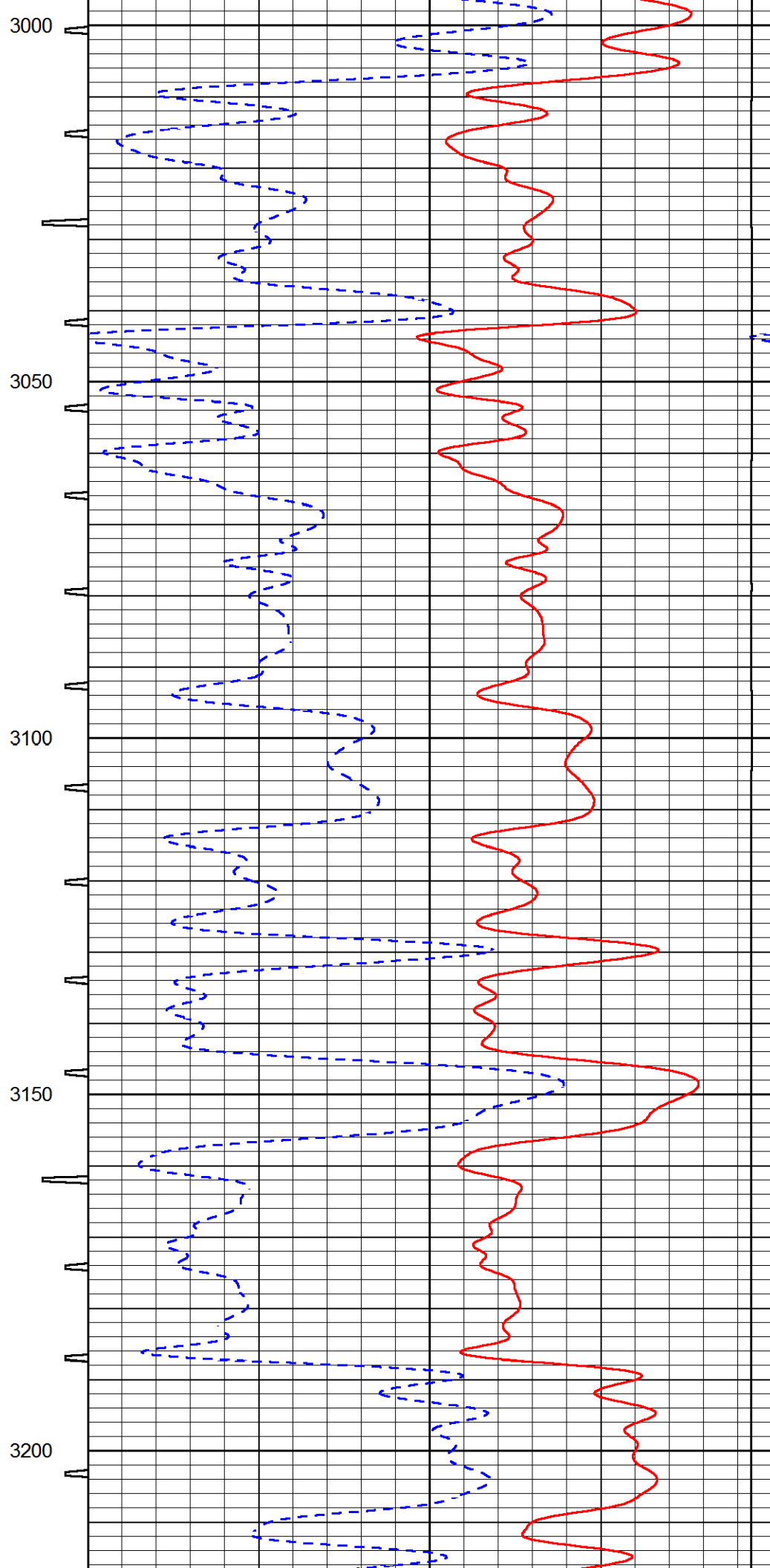
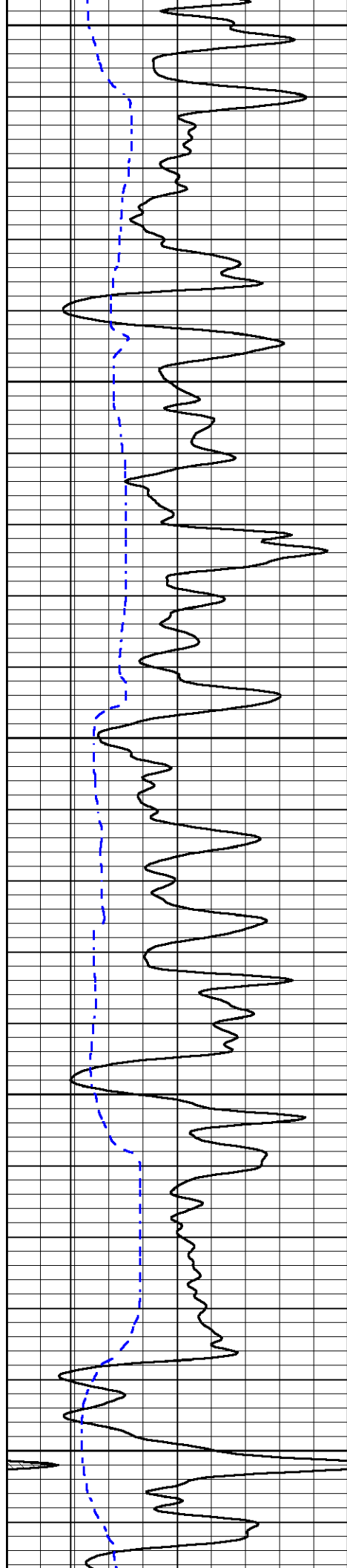


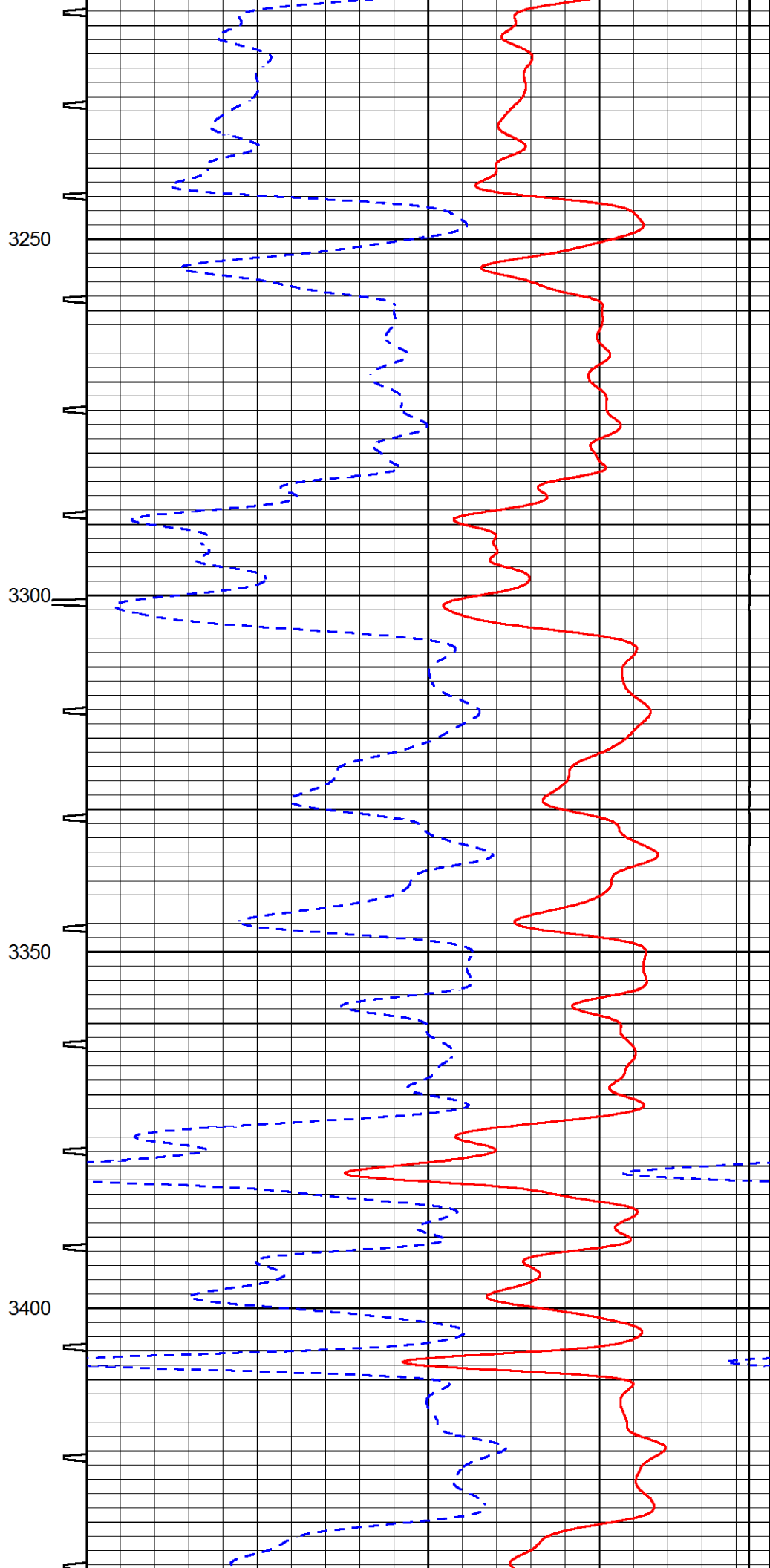
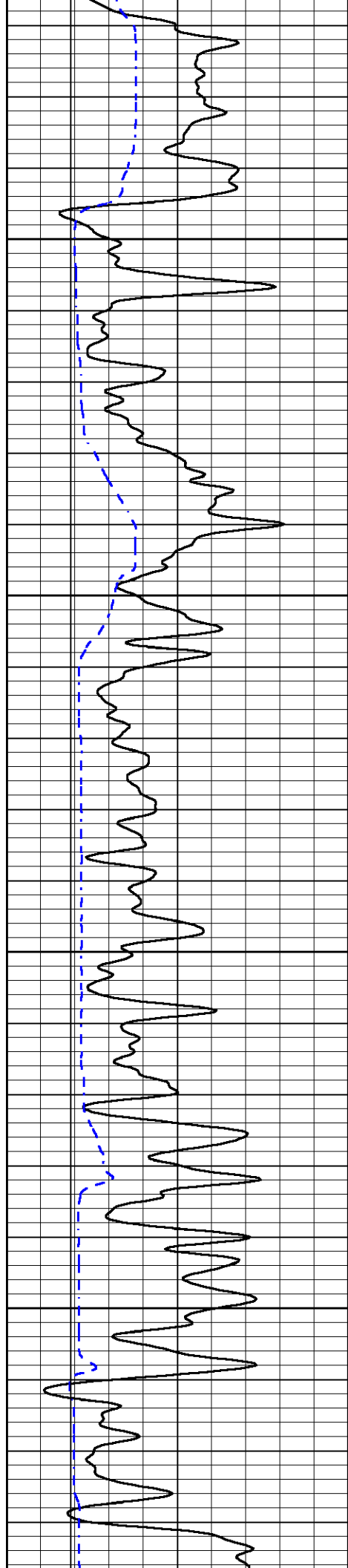


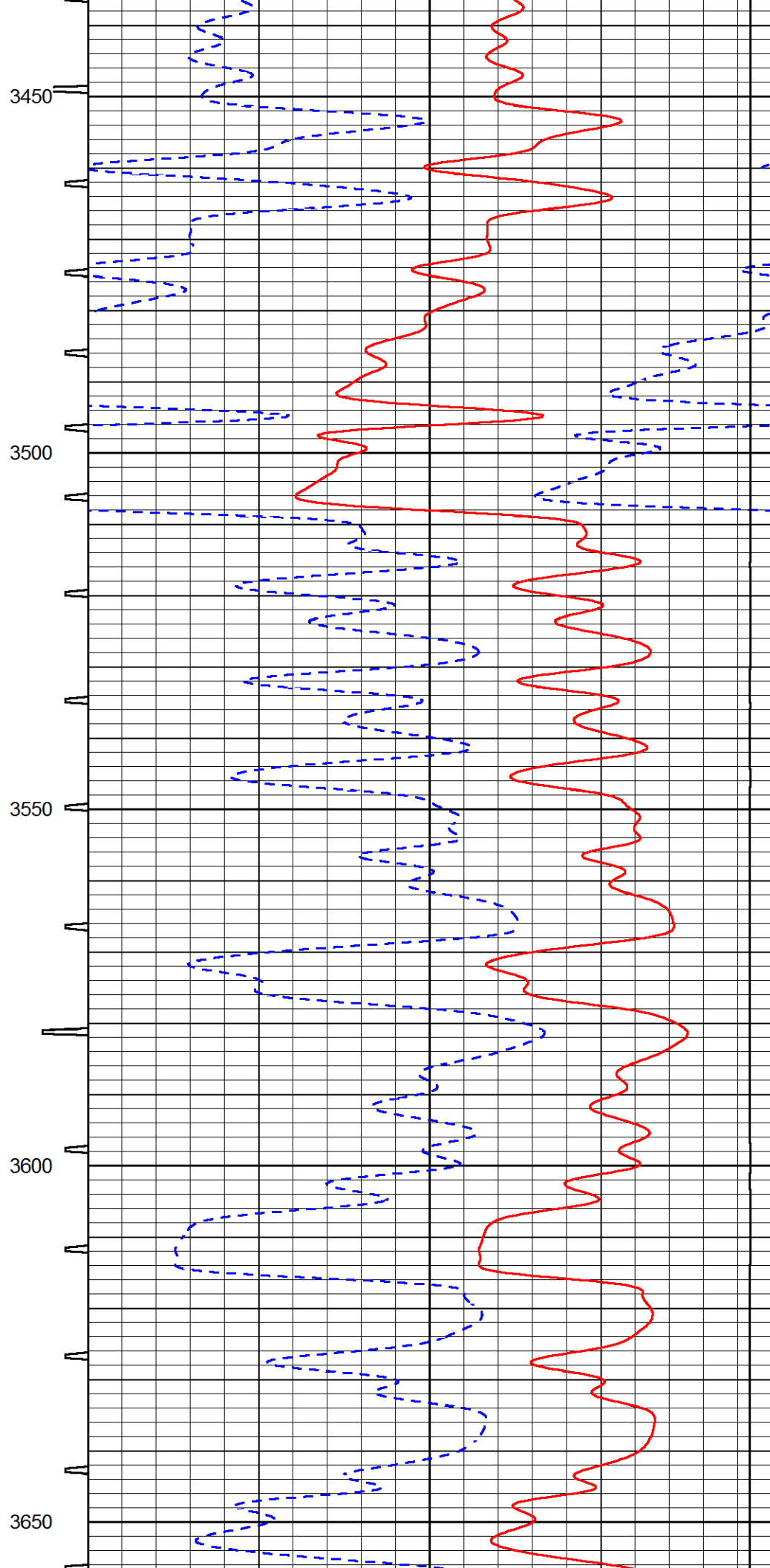
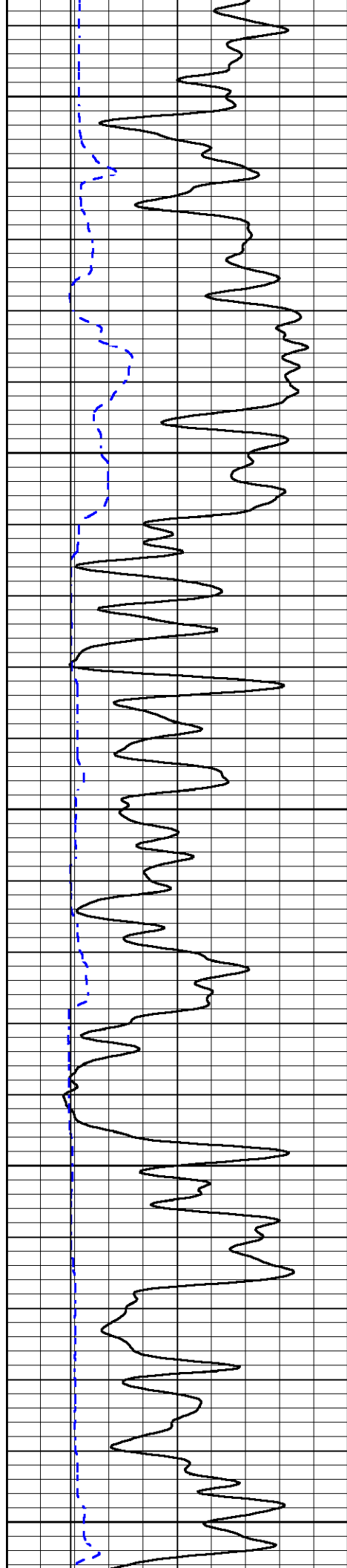


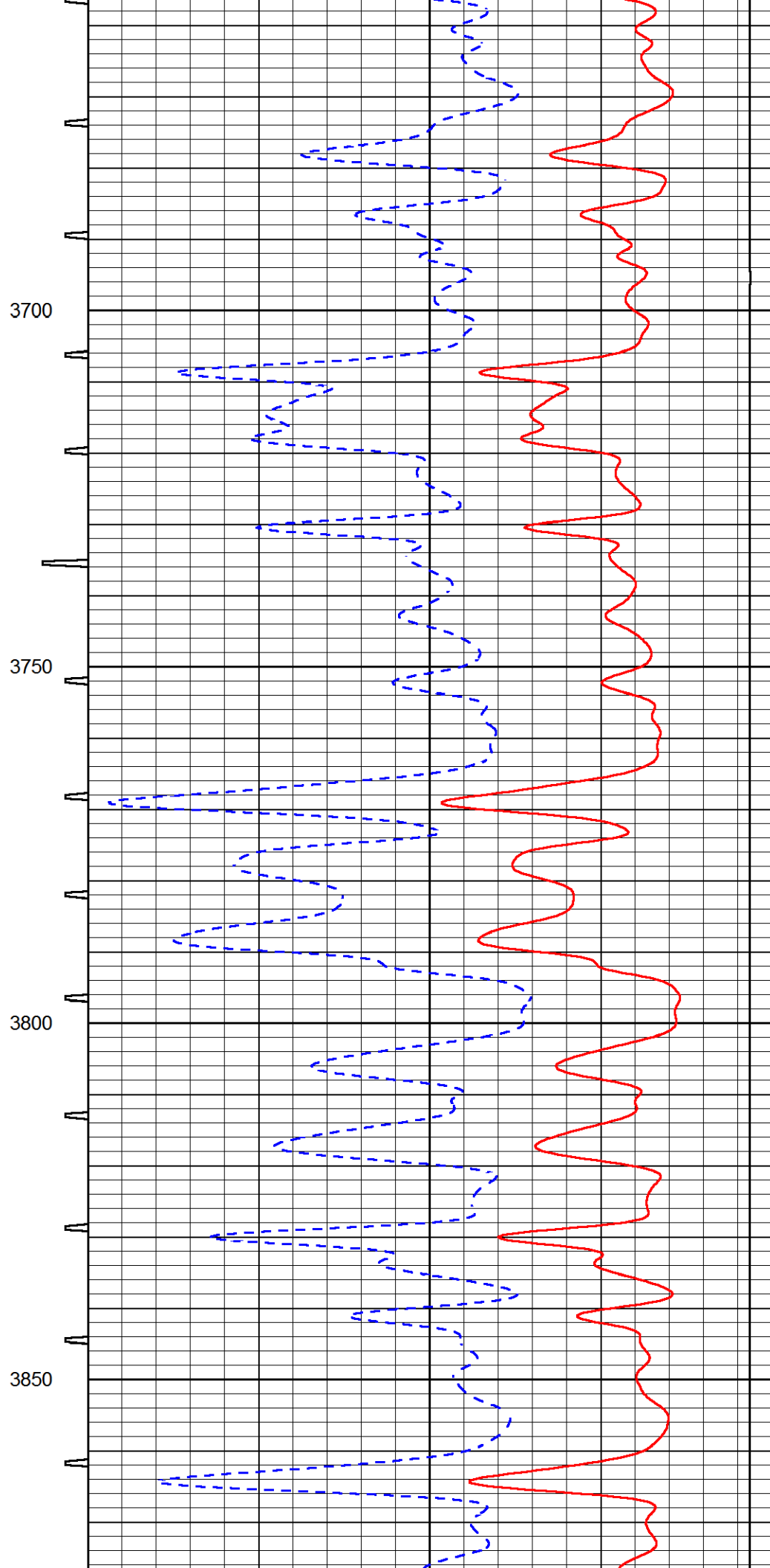
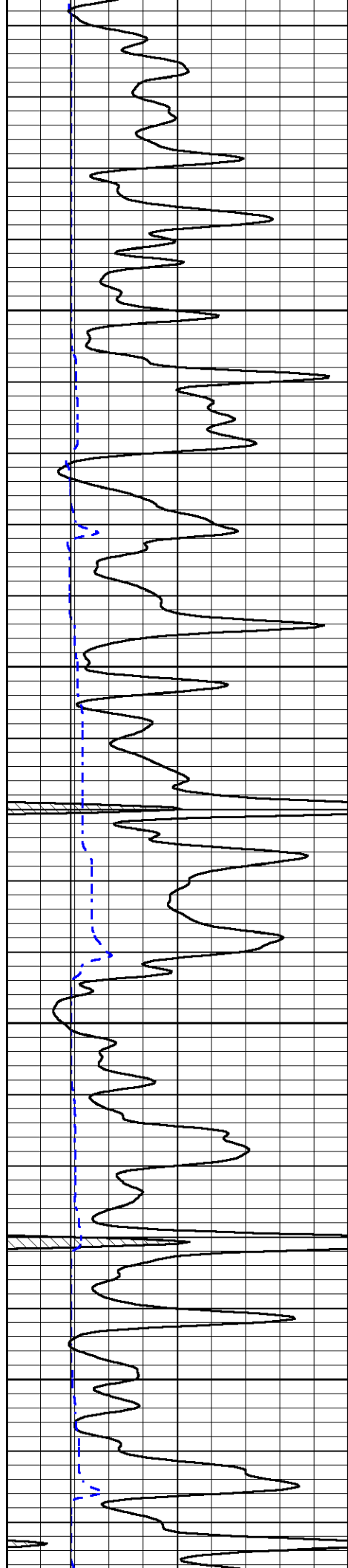


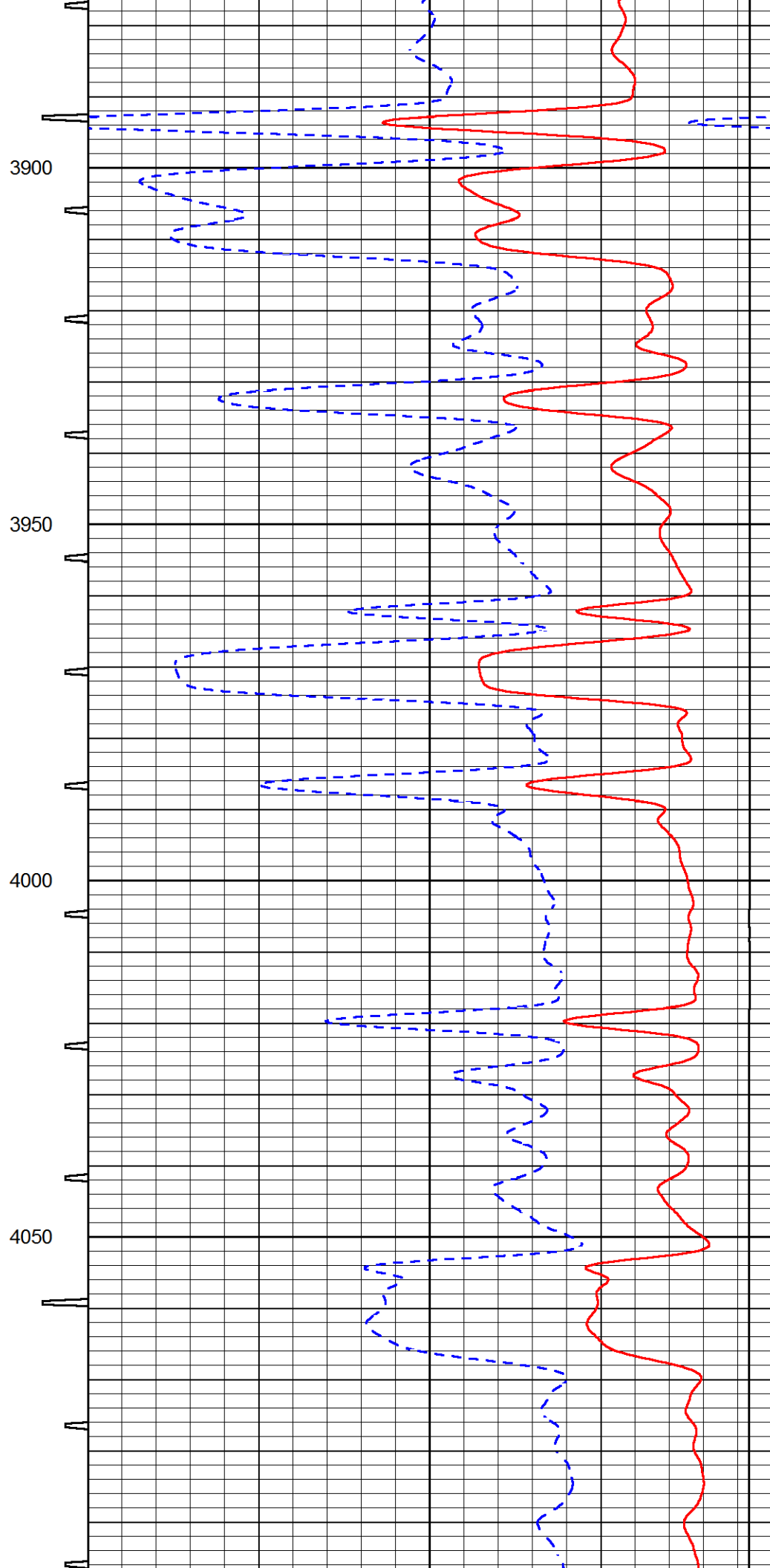
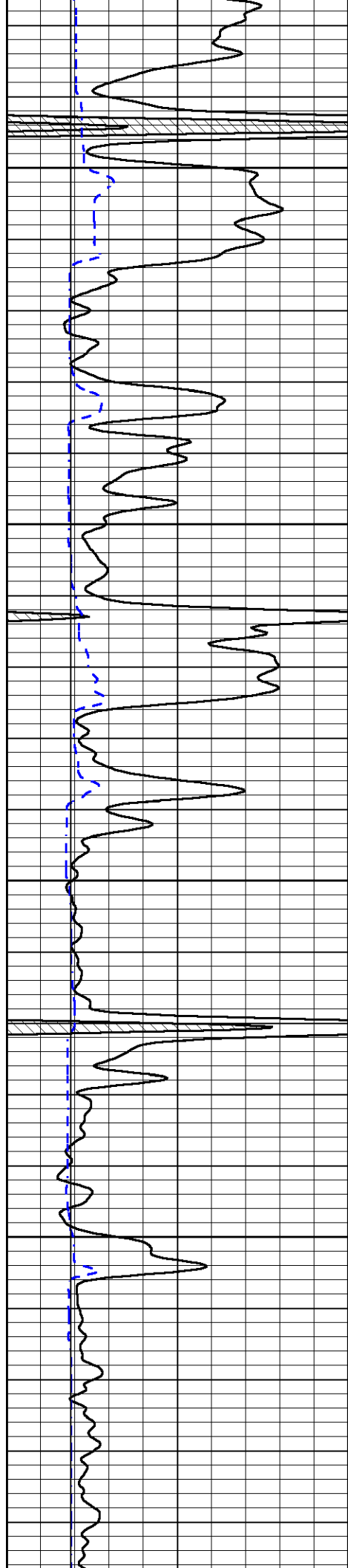


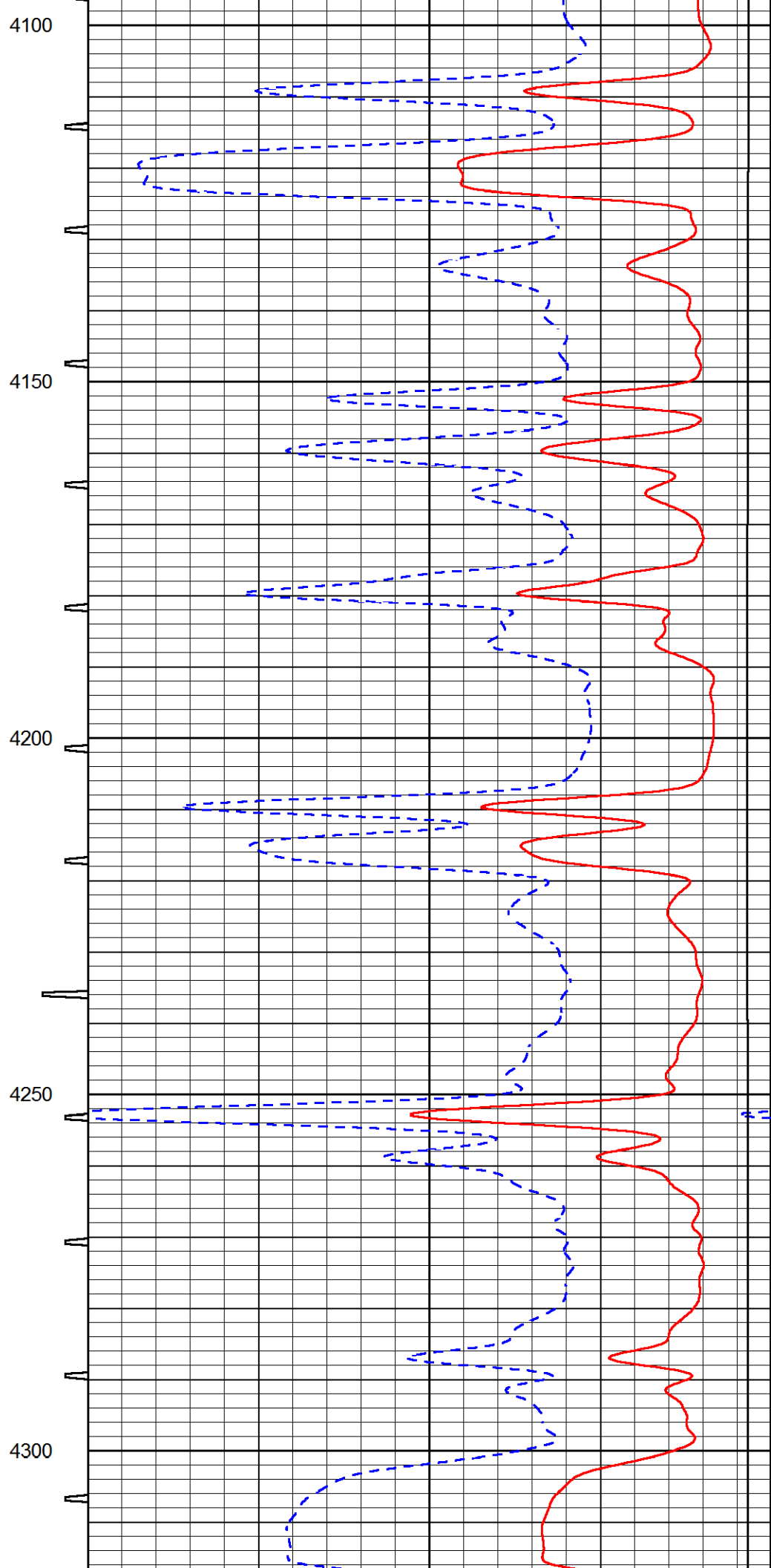
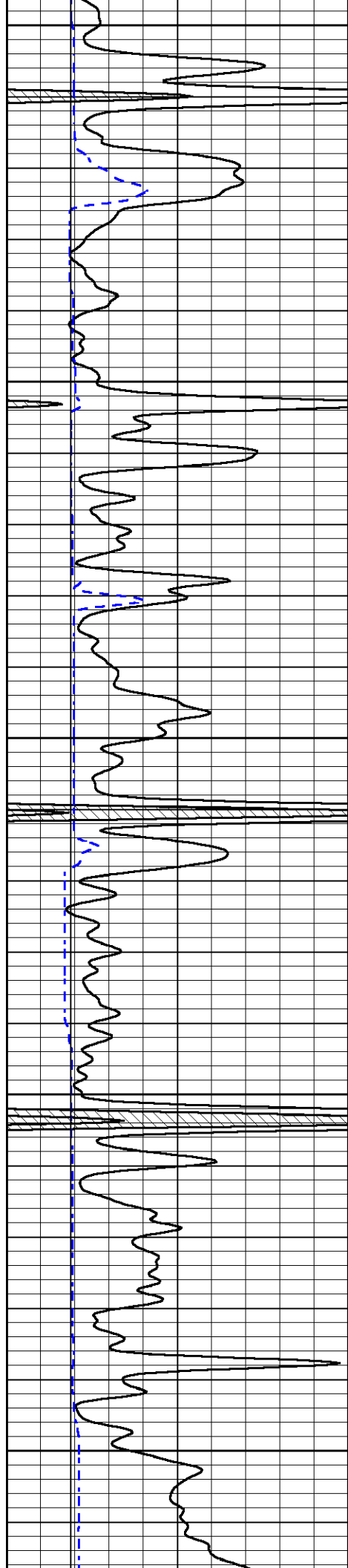


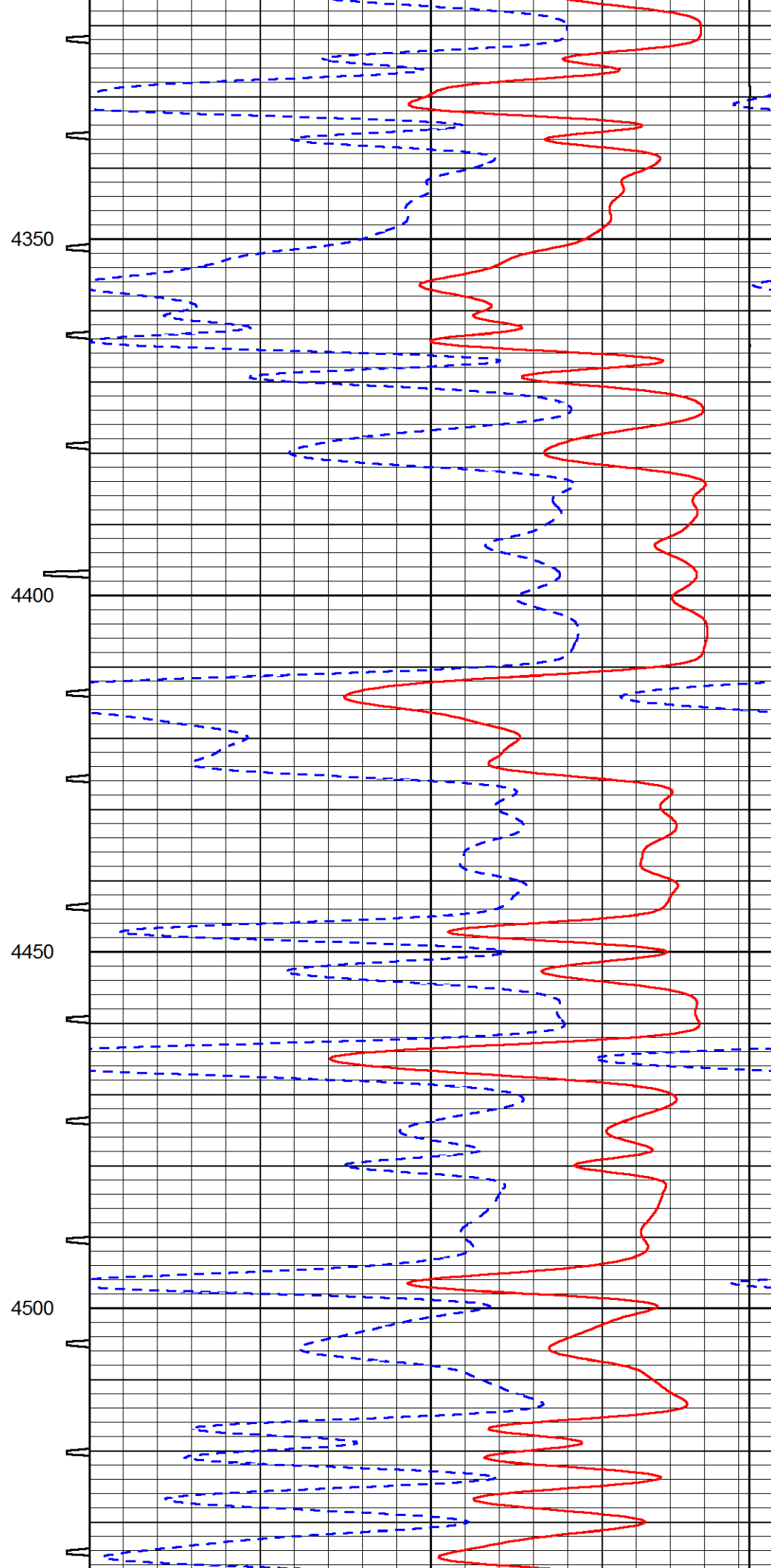
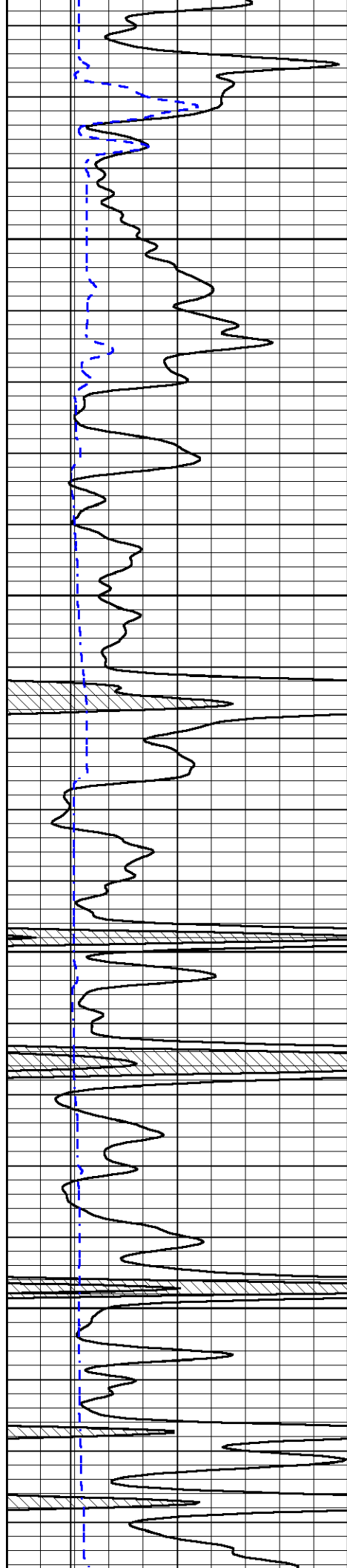


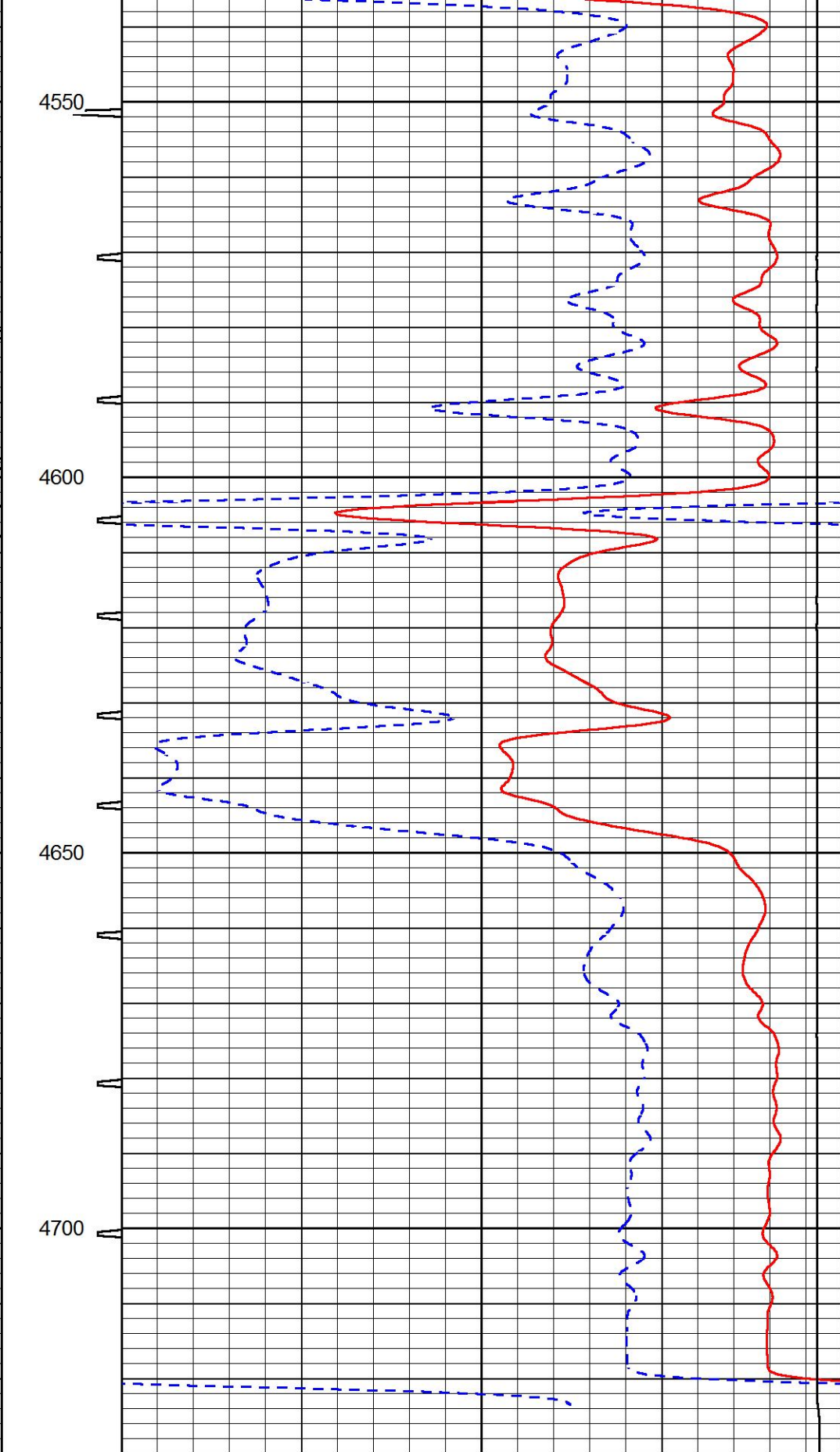
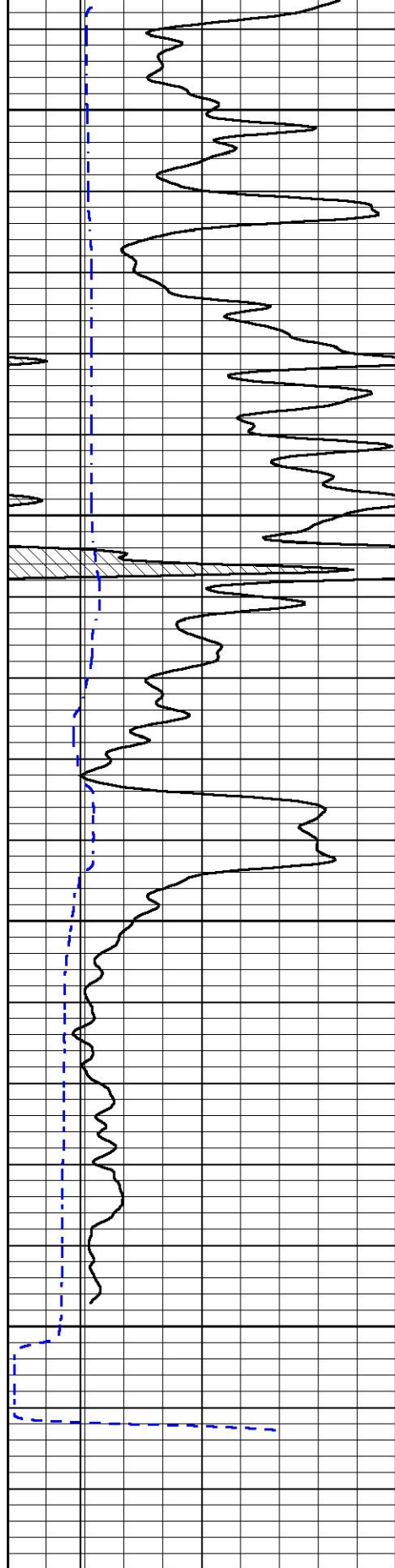




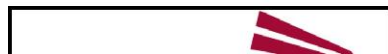








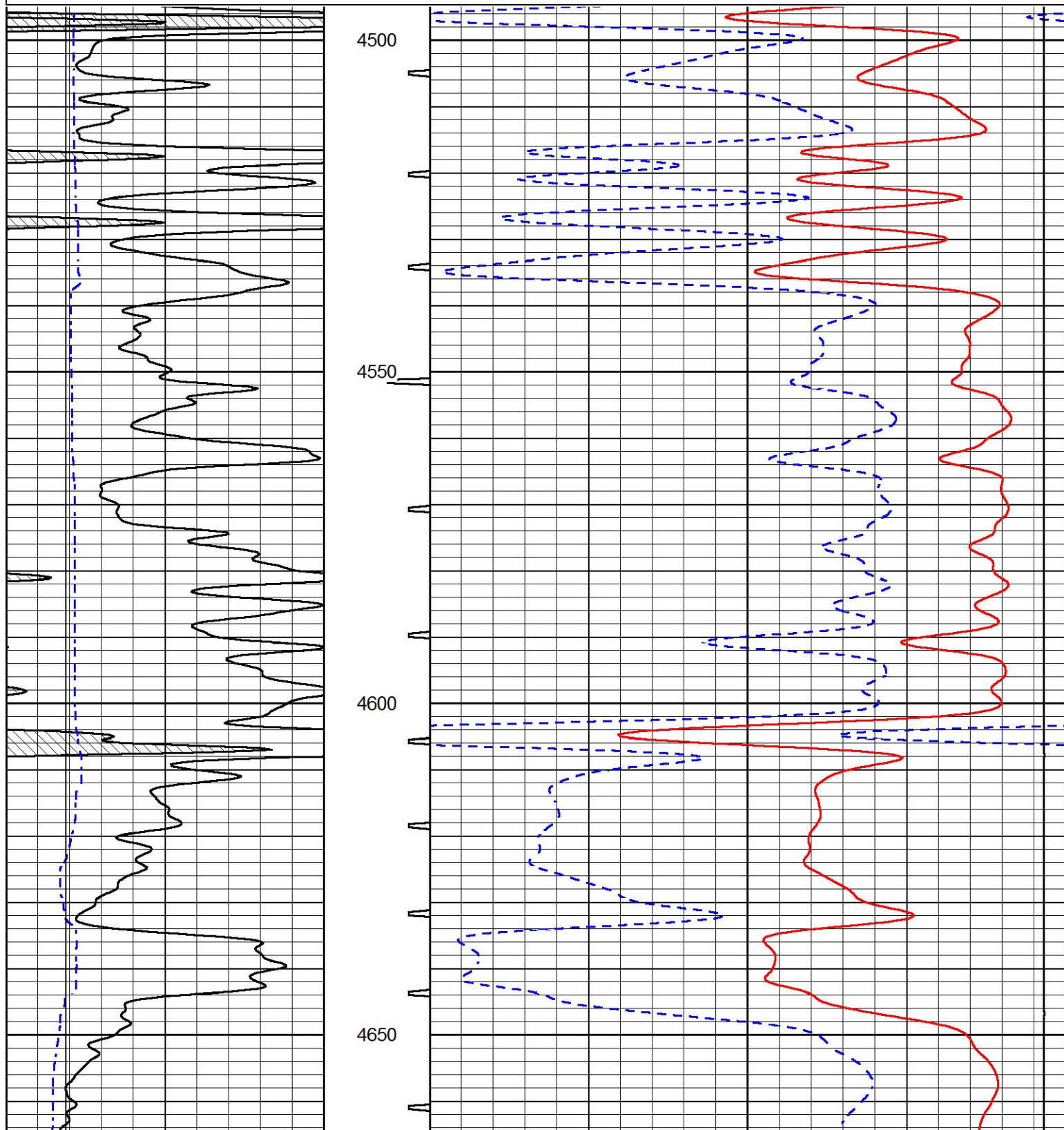
0	GAMMA RAY (GAPI)	150	SONIC INT	140	DELTA TIME (usec/ft) (usec/ft)	40
6	CALIPER (in)	16	TRAVEL TIME	30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0

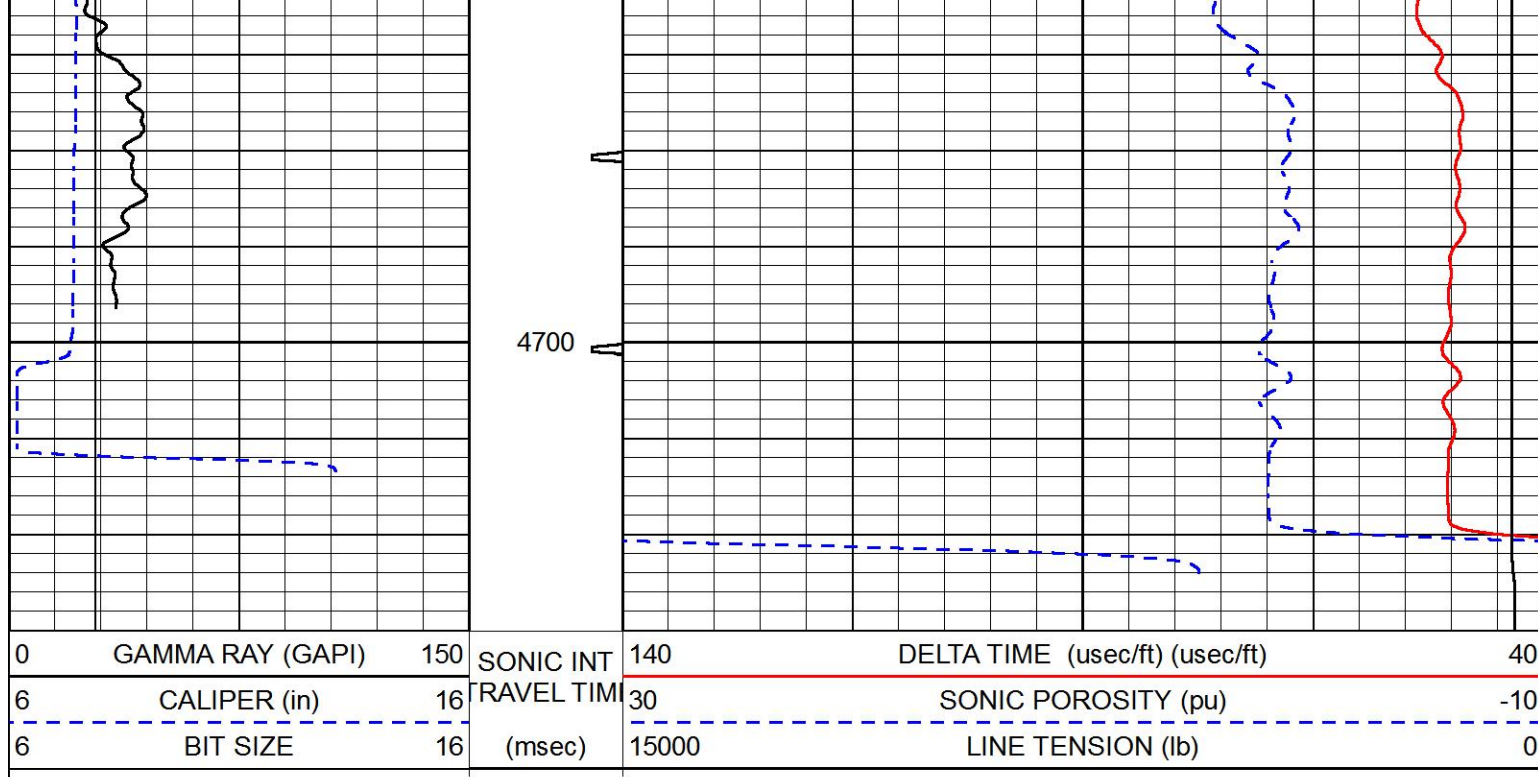


REPEAT SECTION

Database File shakespere_cl_community_1_30.db
Dataset Pathname stack/pass2.1
Presentation Format sonic
Dataset Creation Sun Jul 21 18:10:53 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 TIM	30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0





		Company	SHAKESPEARE OIL CO. INC.
		Well	CL COMMUNITY #1-30
		Field	WILDCAT
		County	SCOTT
		State	KANSAS