



PIONEER

Pioneer Energy Services

BOREHOLE COMPENSATED SONIC LOG

Company MURFIN DRILLING COMPANY, INC.

Well HENDERSON G #7

Field BEMIS SHUTTS

County ELLIS

State KANSAS

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Location: API #: 15-051-26971-00-00

Other Services

S2 NE SW NW
1905' FNL & 990' FWL
SEC 27 TWP 11S RGE 18W

CNL/CDL
MEL/DIL

Permanent Datum GROUND LEVEL Elevation 2087'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2092'
D.F. N/A
G.L. 2087'

Date 9/25/2019

Run Number TWO

Type Log BHCS

Depth Driller 3711'

Depth Logger 3710'

Bottom Logged Interval 3699'

Top Logged Interval 300'

Type Fluid In Hole CHEMICAL

Salinity, PPM CL 3200

Density 9.2

Level FULL

Max. Rec. Temp. F 113 DEG F

Operating Rig Time 4 HOURS

Equipment -- Location P-108 HAYS

Recorded By J. HENRICKSON

Witnessed By ROBERT HENDRIX

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
ONE	12.25"	00'	302'	8.625"	23#	00'	302'
TWO	7.875"	302'	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.

HAYS, N TO HOMESTEAD RD, 1.5 N, E INTO, S & E UP HILL TO LOCATION

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: ROBERT HENDRIX
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\murfin_henderson g #7.db
Dataset field/well/stack/pass3.1/_vars_

Top - Bottom

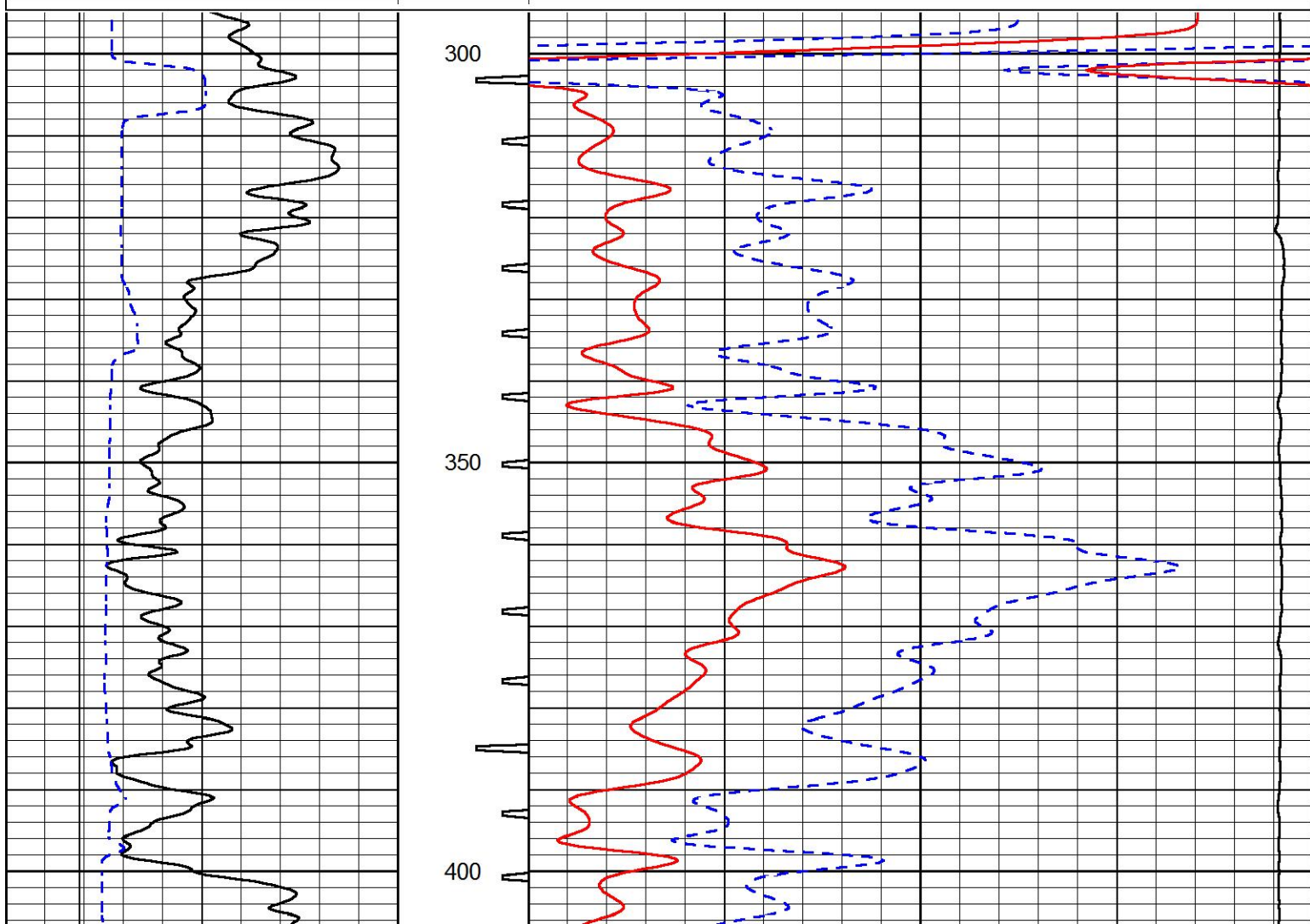
A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	113	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	70	70		3710

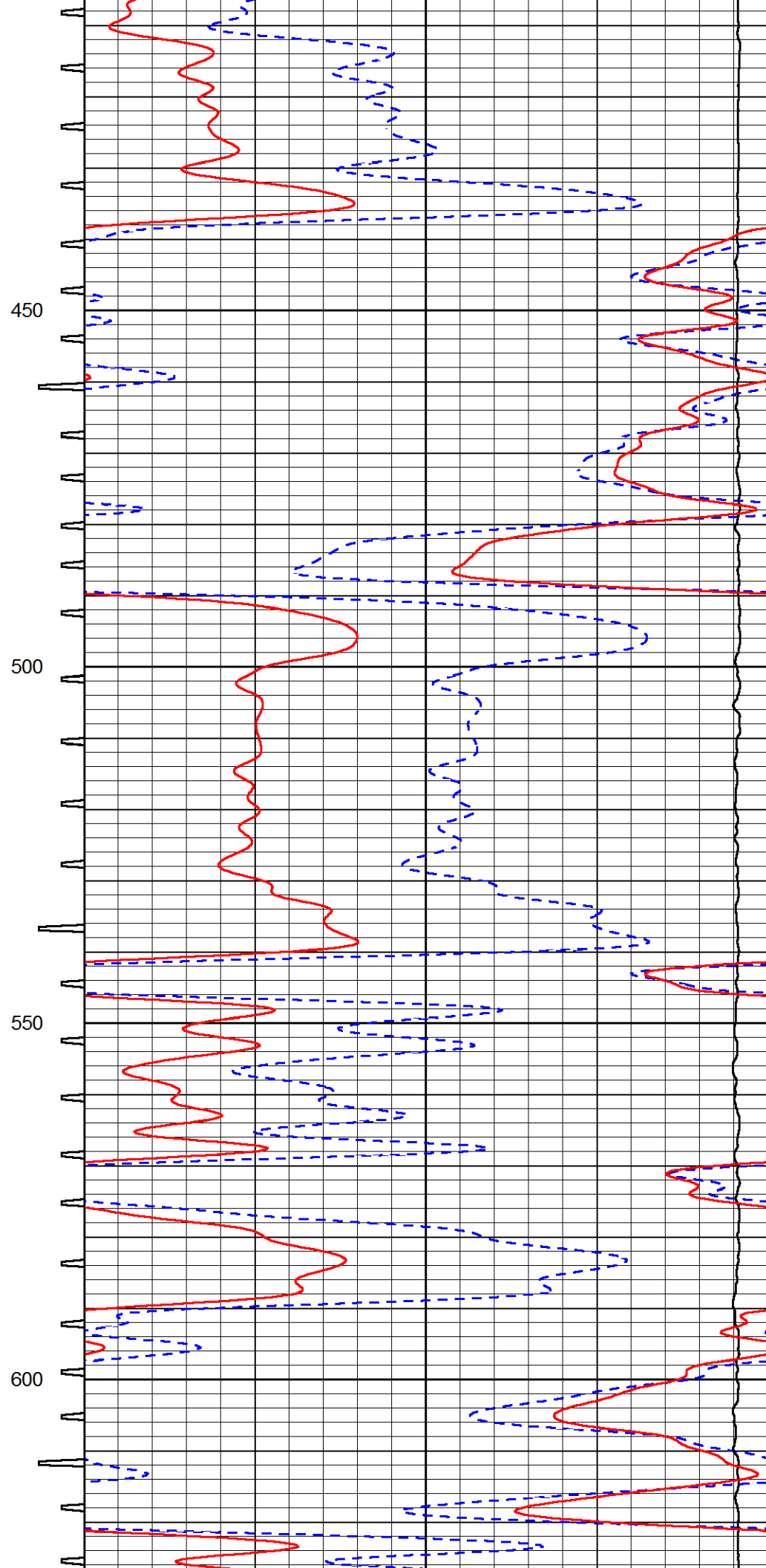
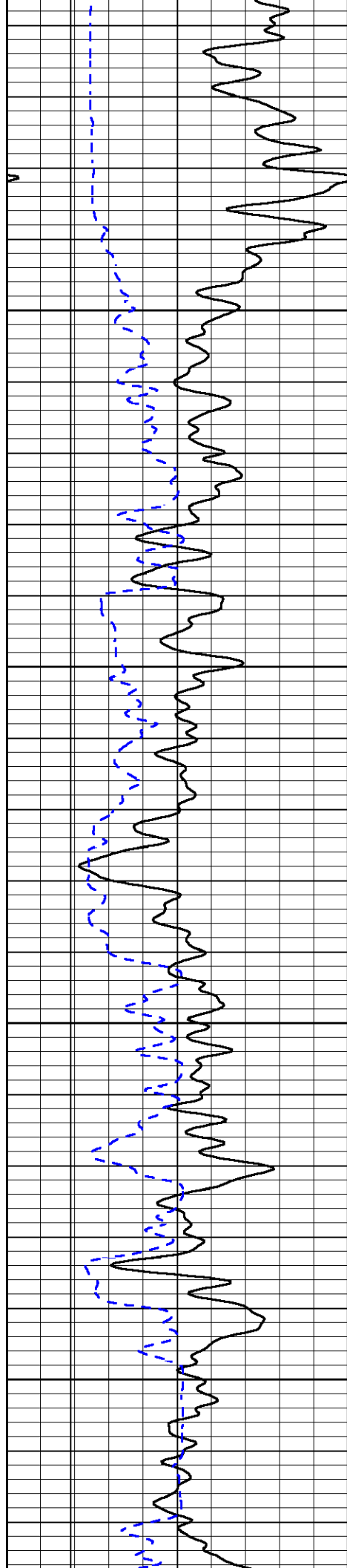


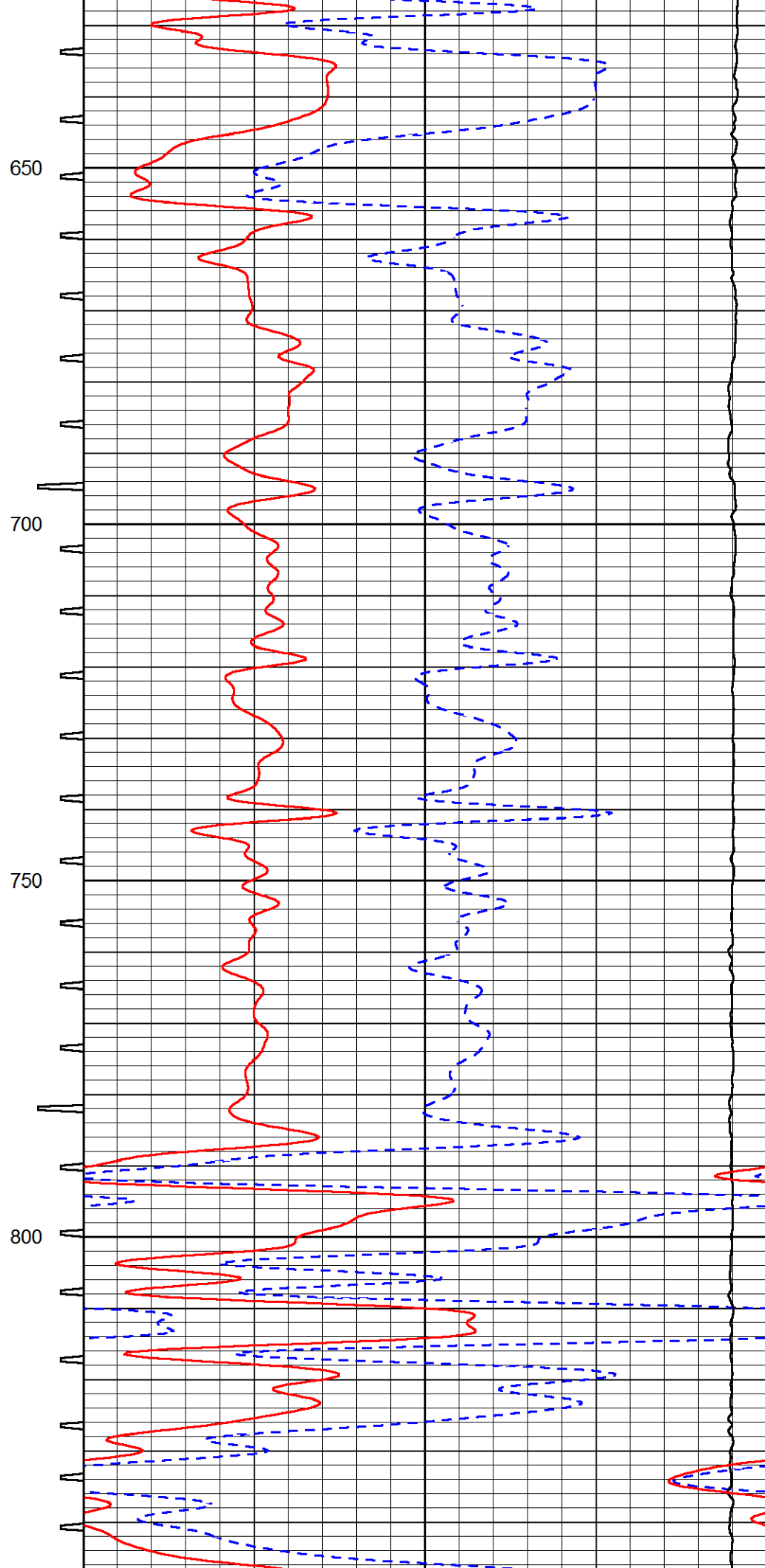
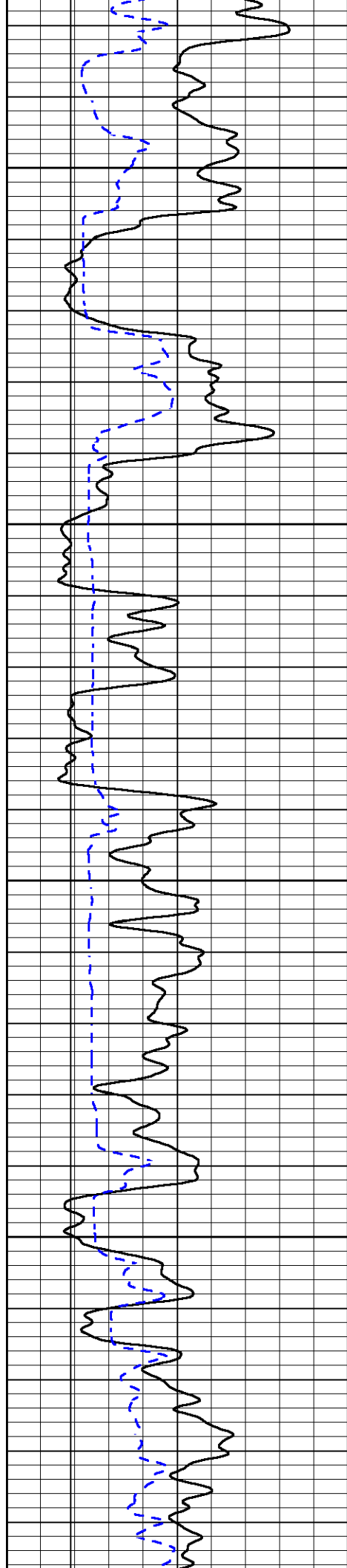
MAIN PASS

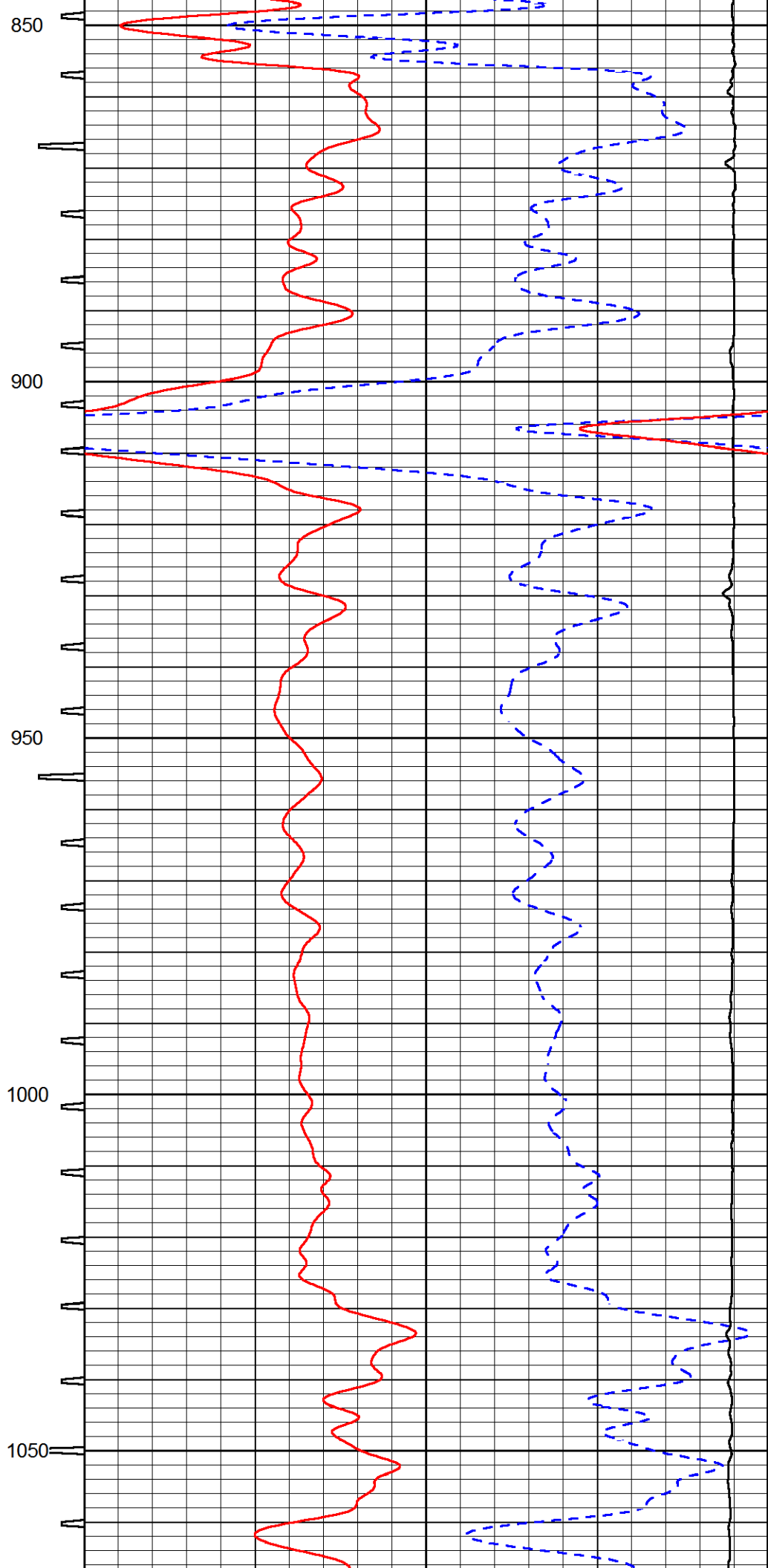
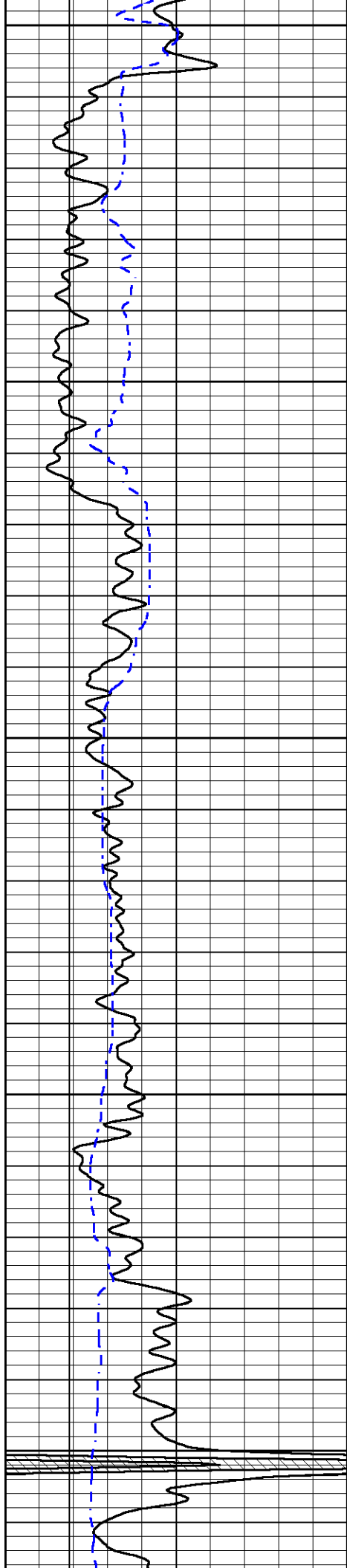
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Dataset Pathname stack/pass3.1
Presentation Format sonic
Dataset Creation Wed Sep 25 06:29:42 2019
Charted by Depth in Feet scaled 1:240

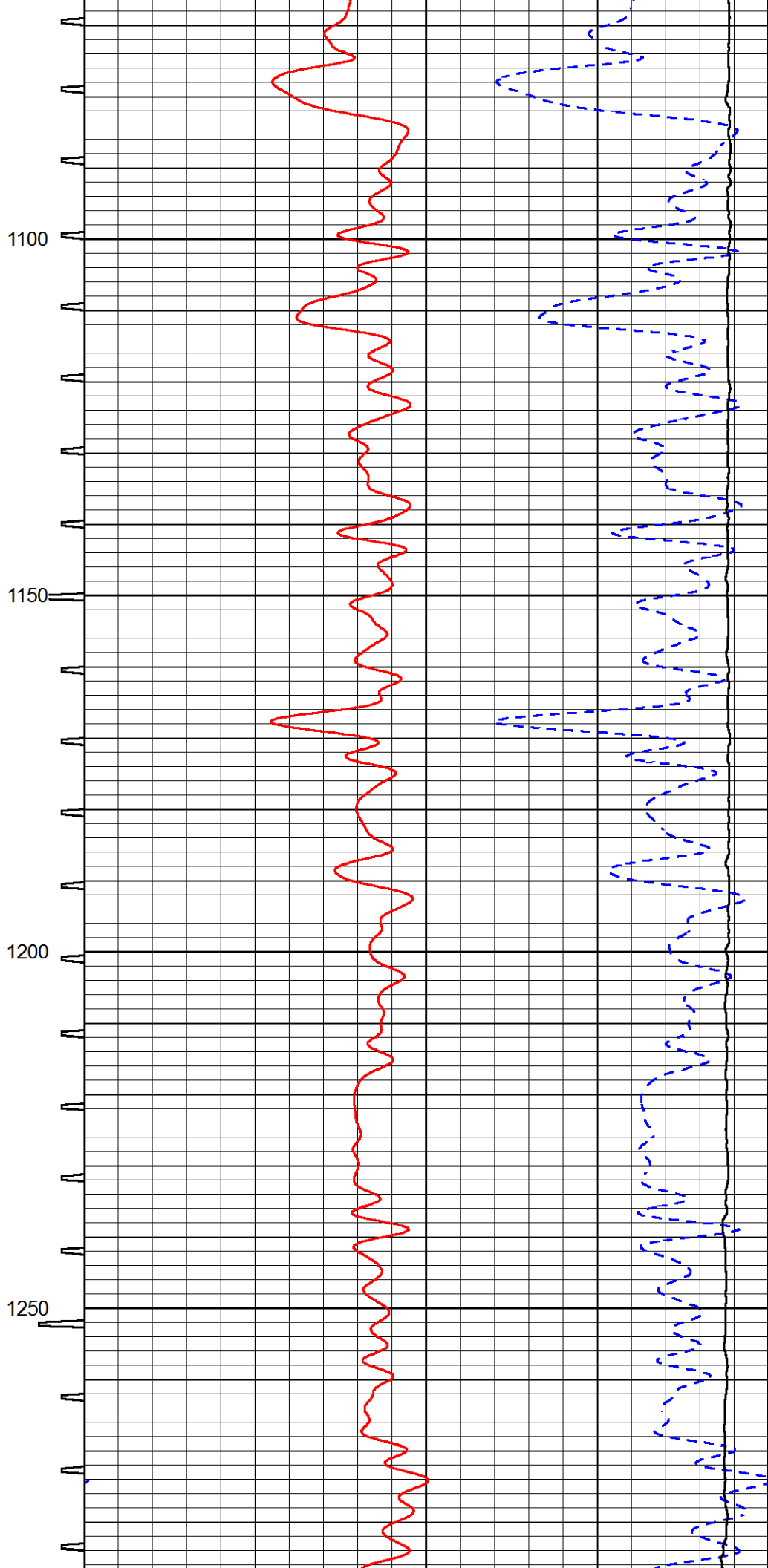
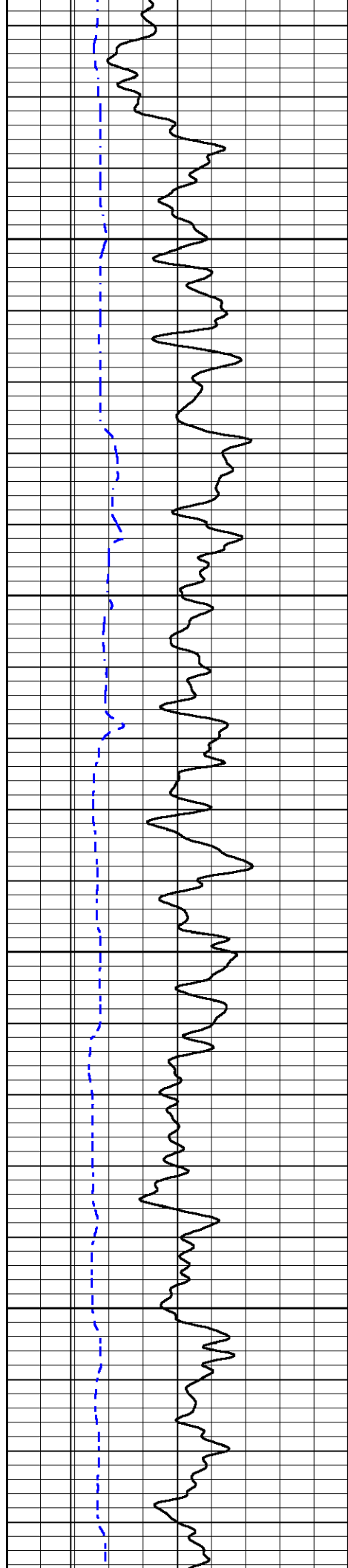
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6	CALIPER (in)	16	RAVEL TIM	30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0

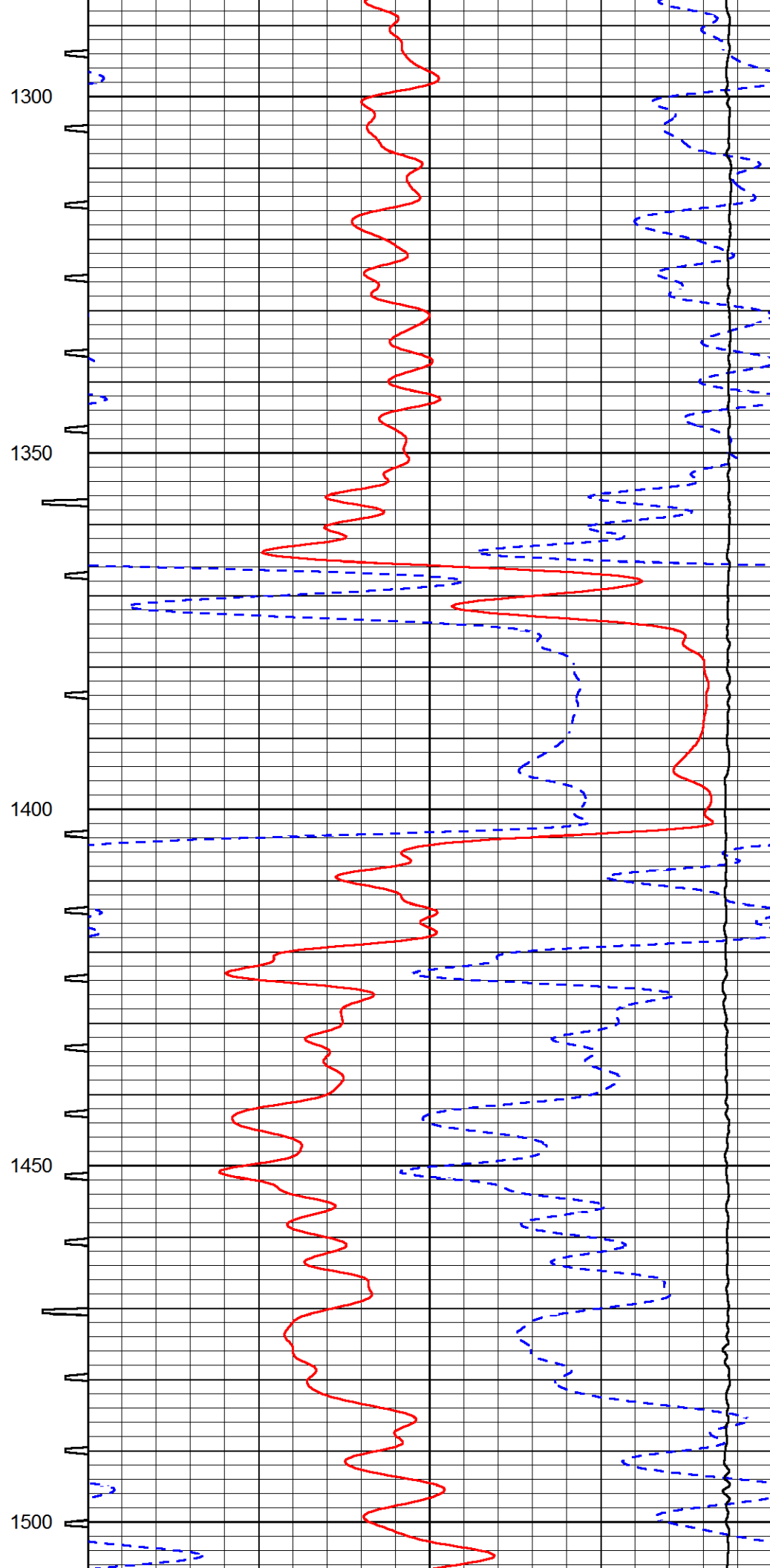
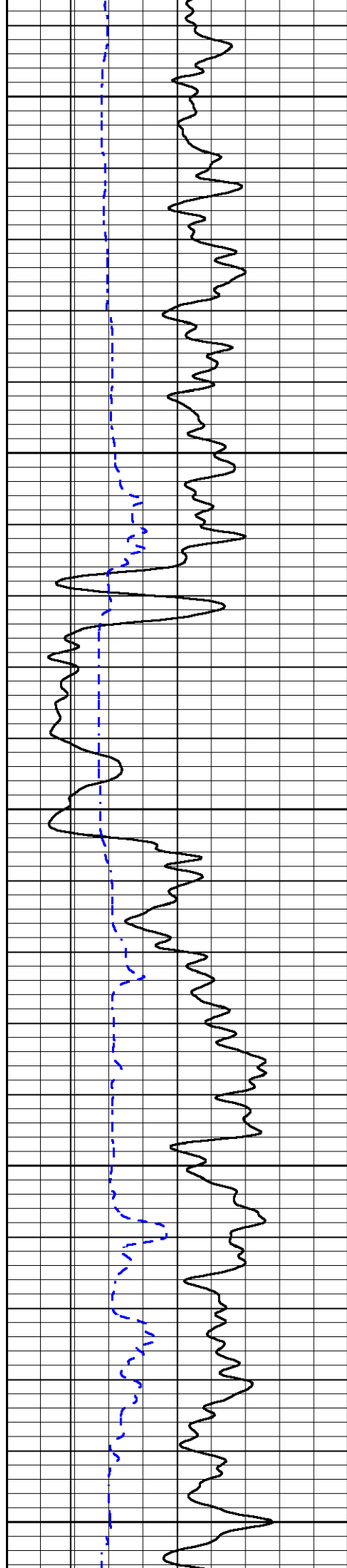


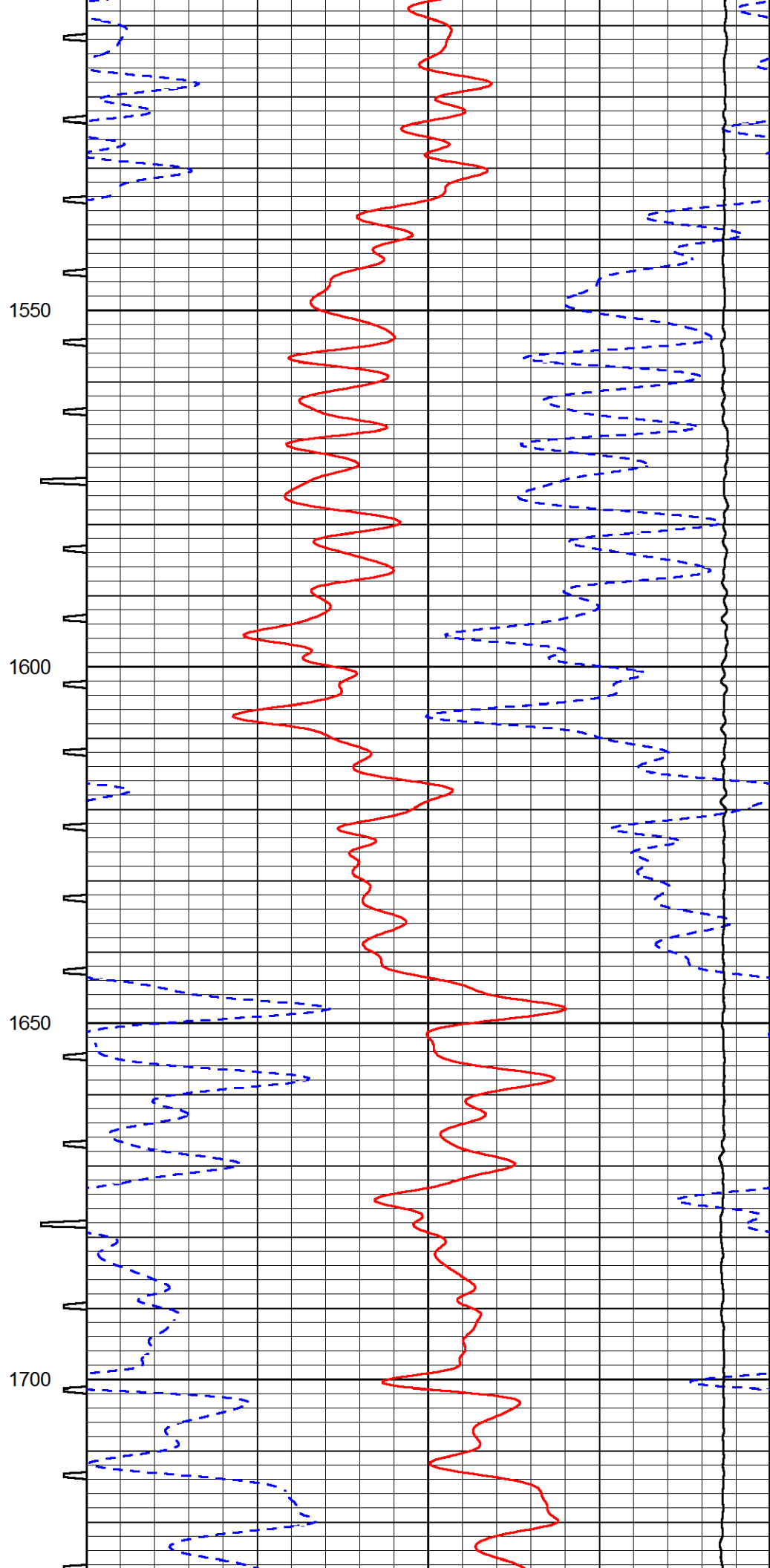
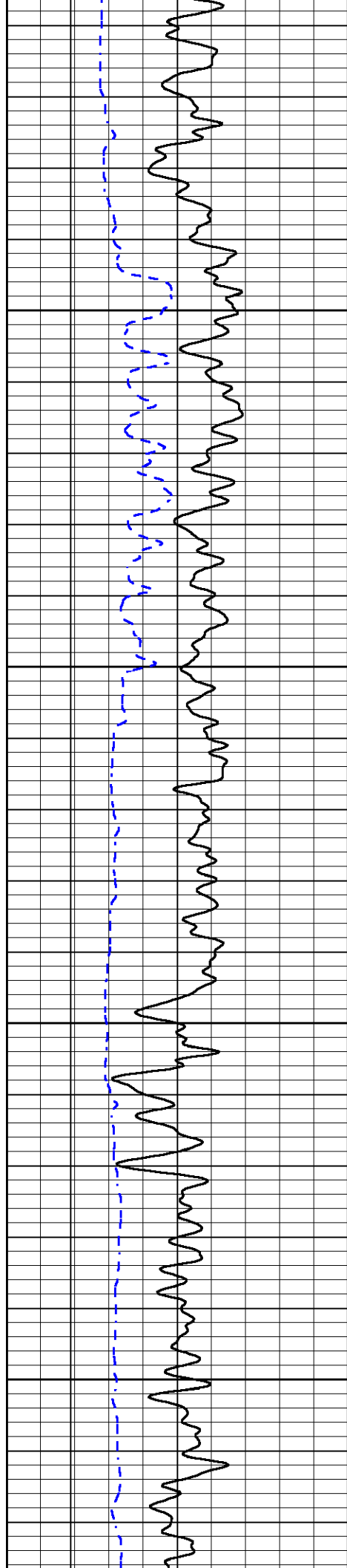


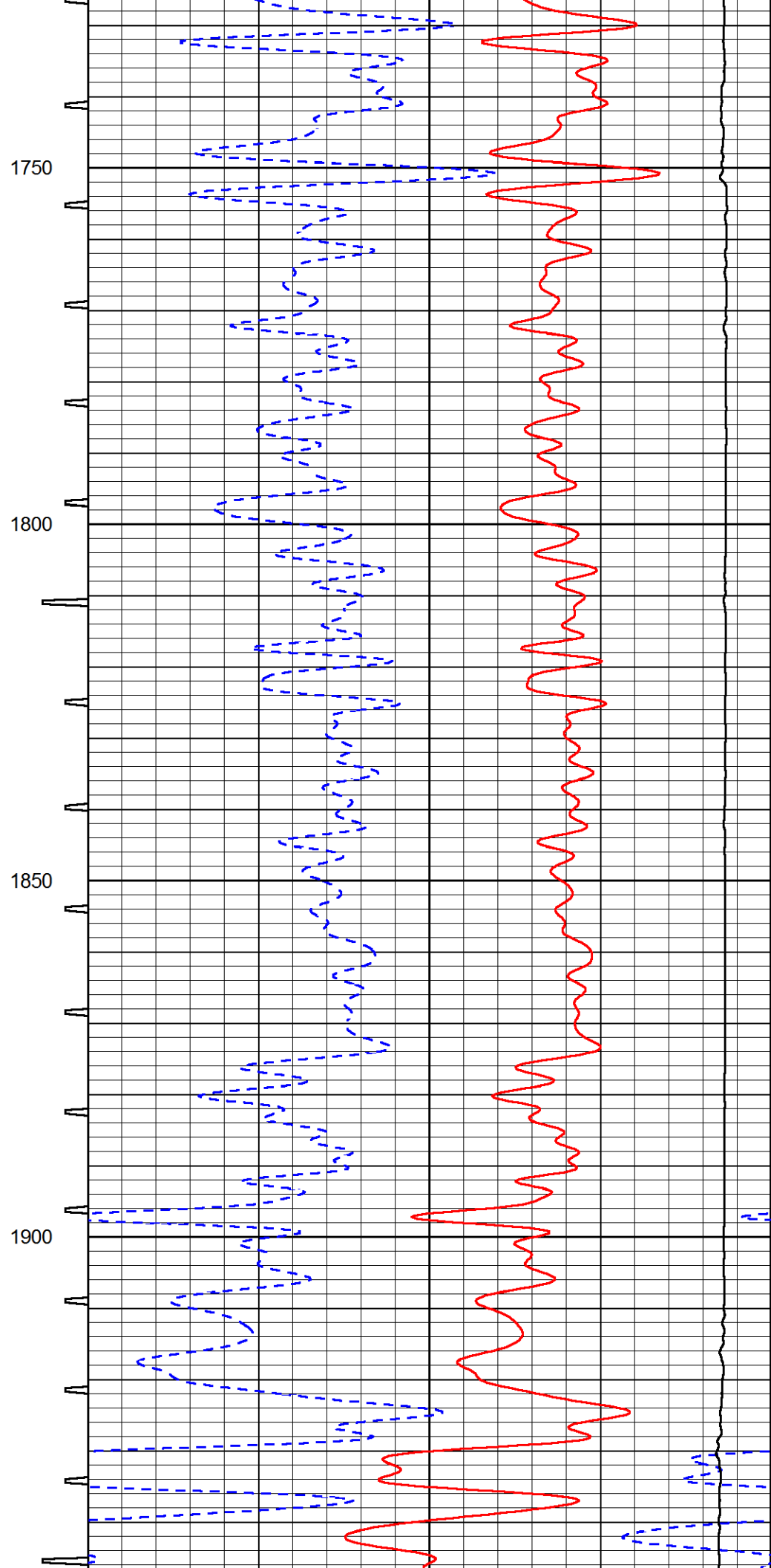


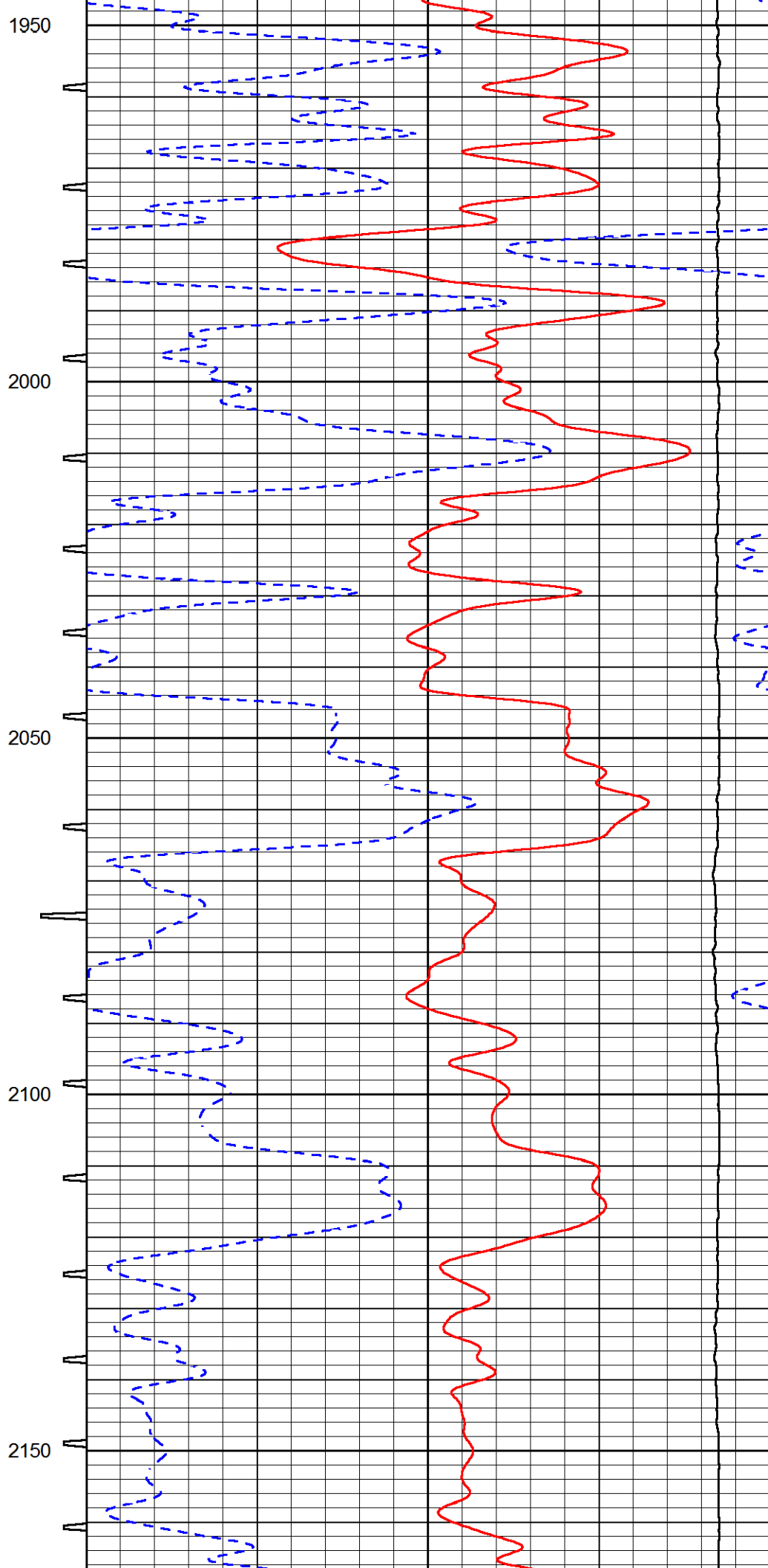
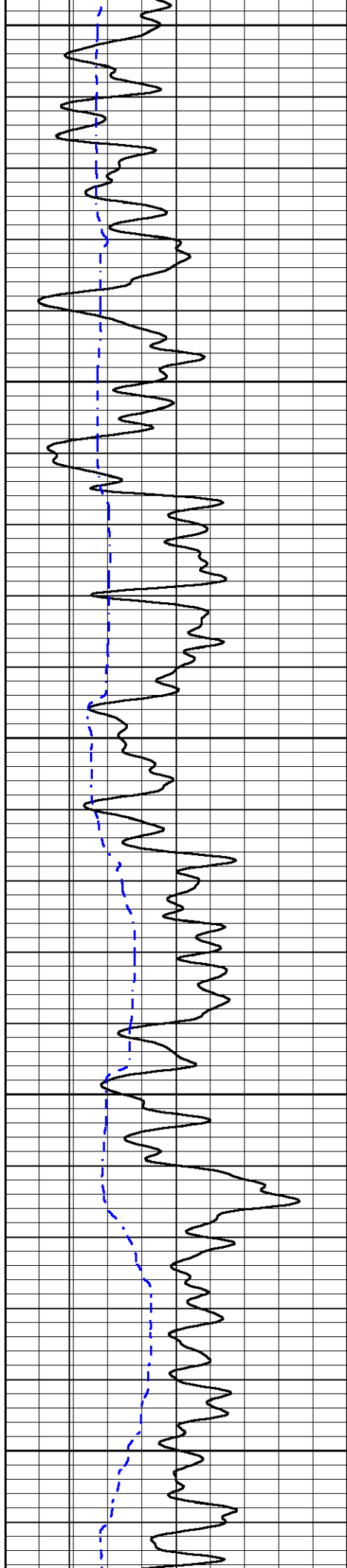


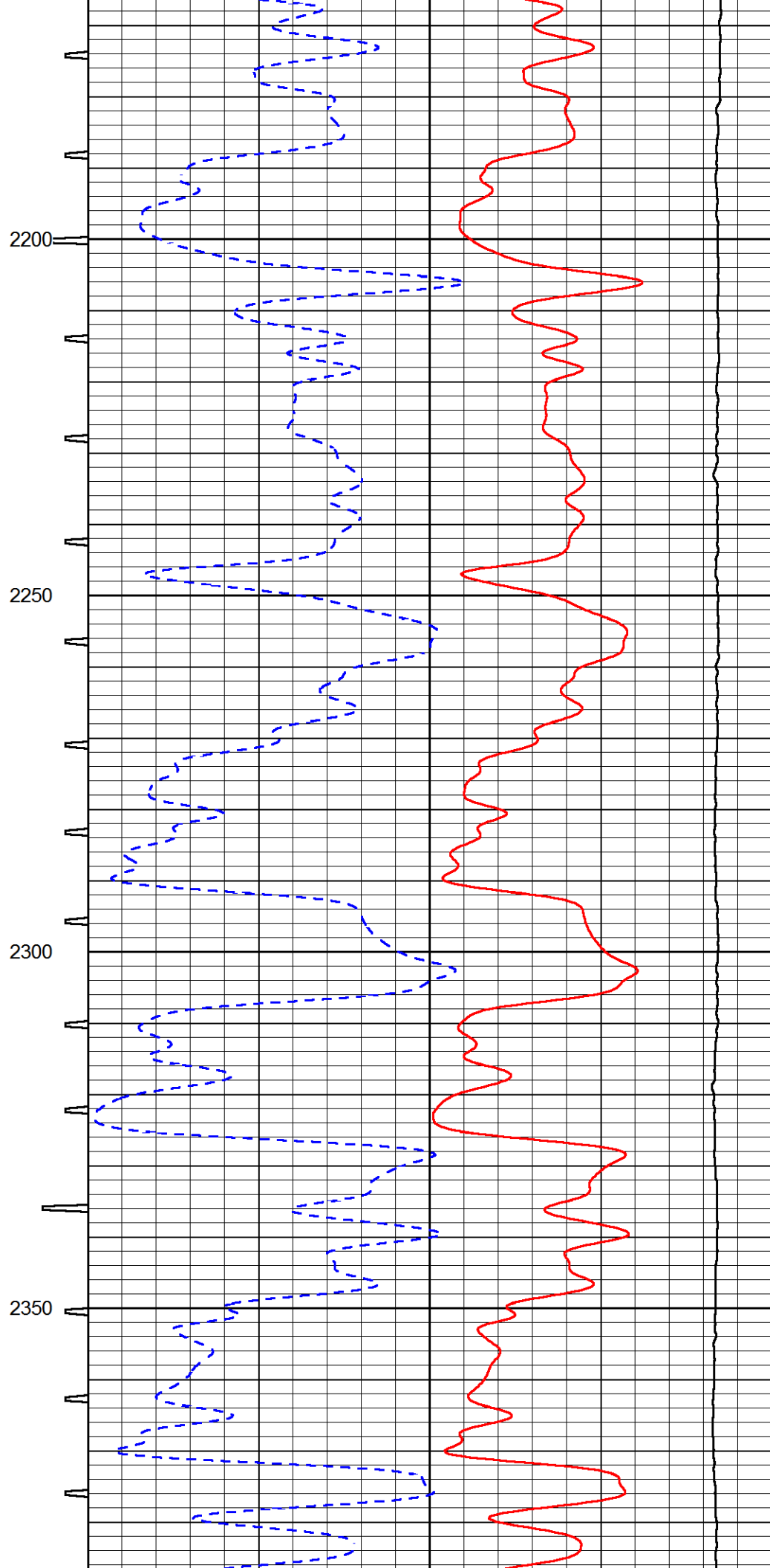
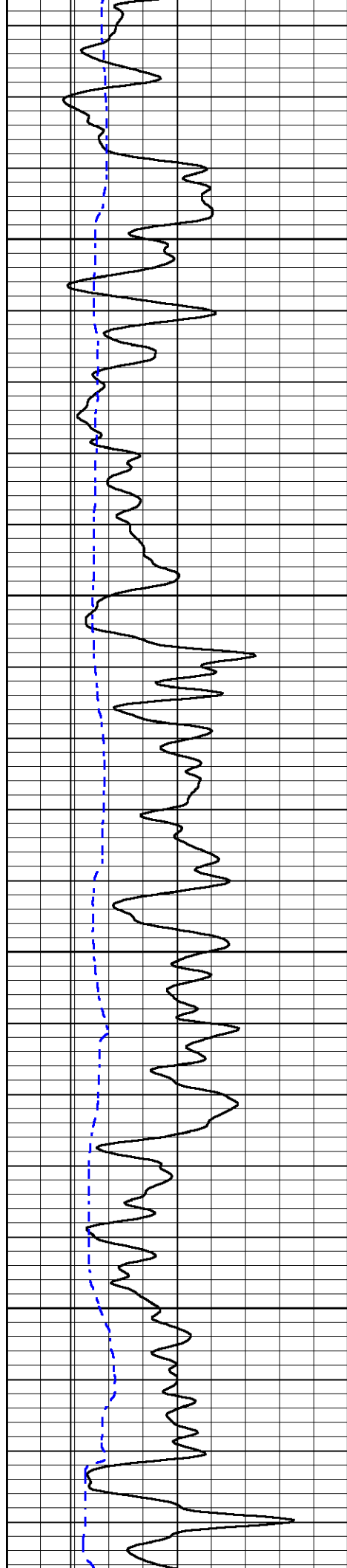


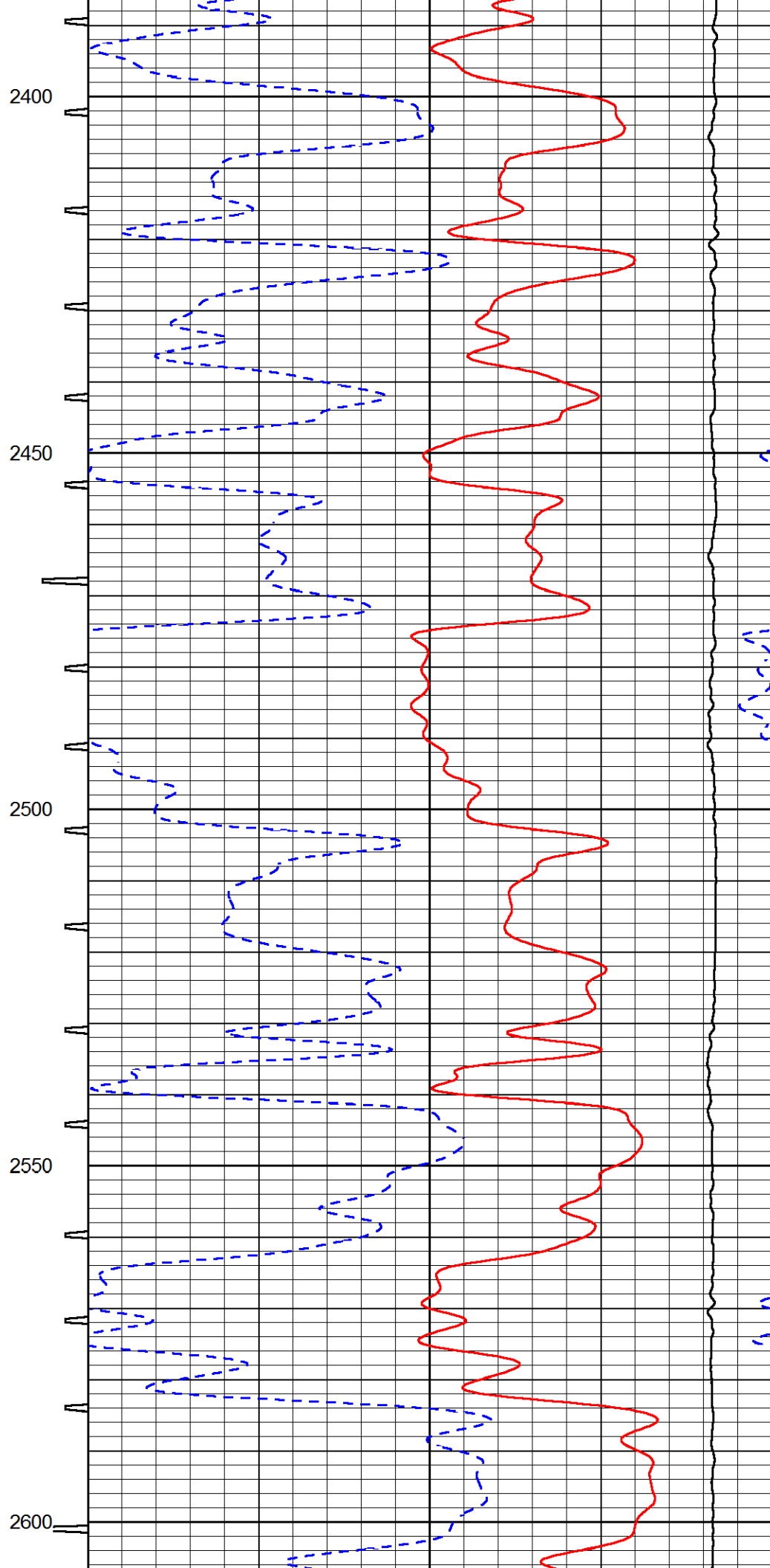
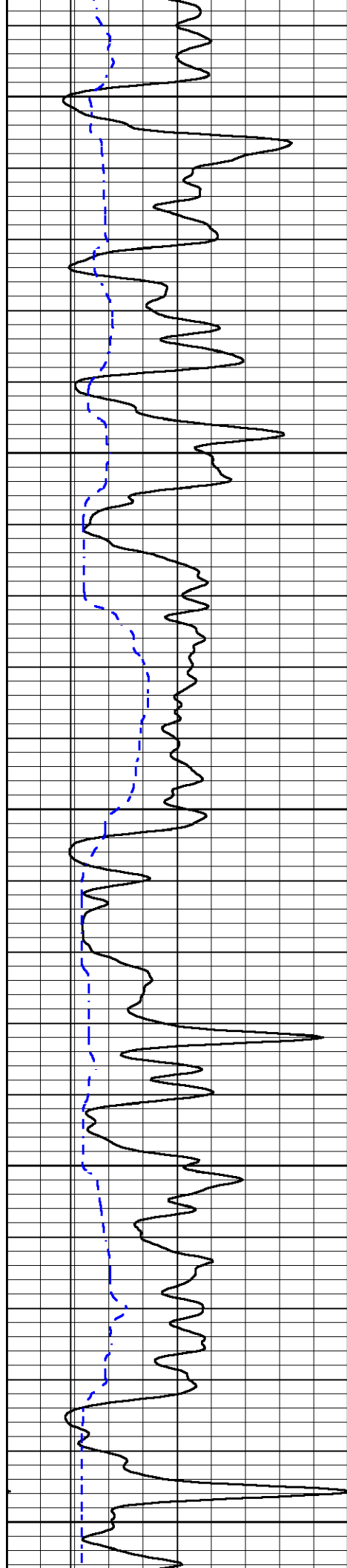


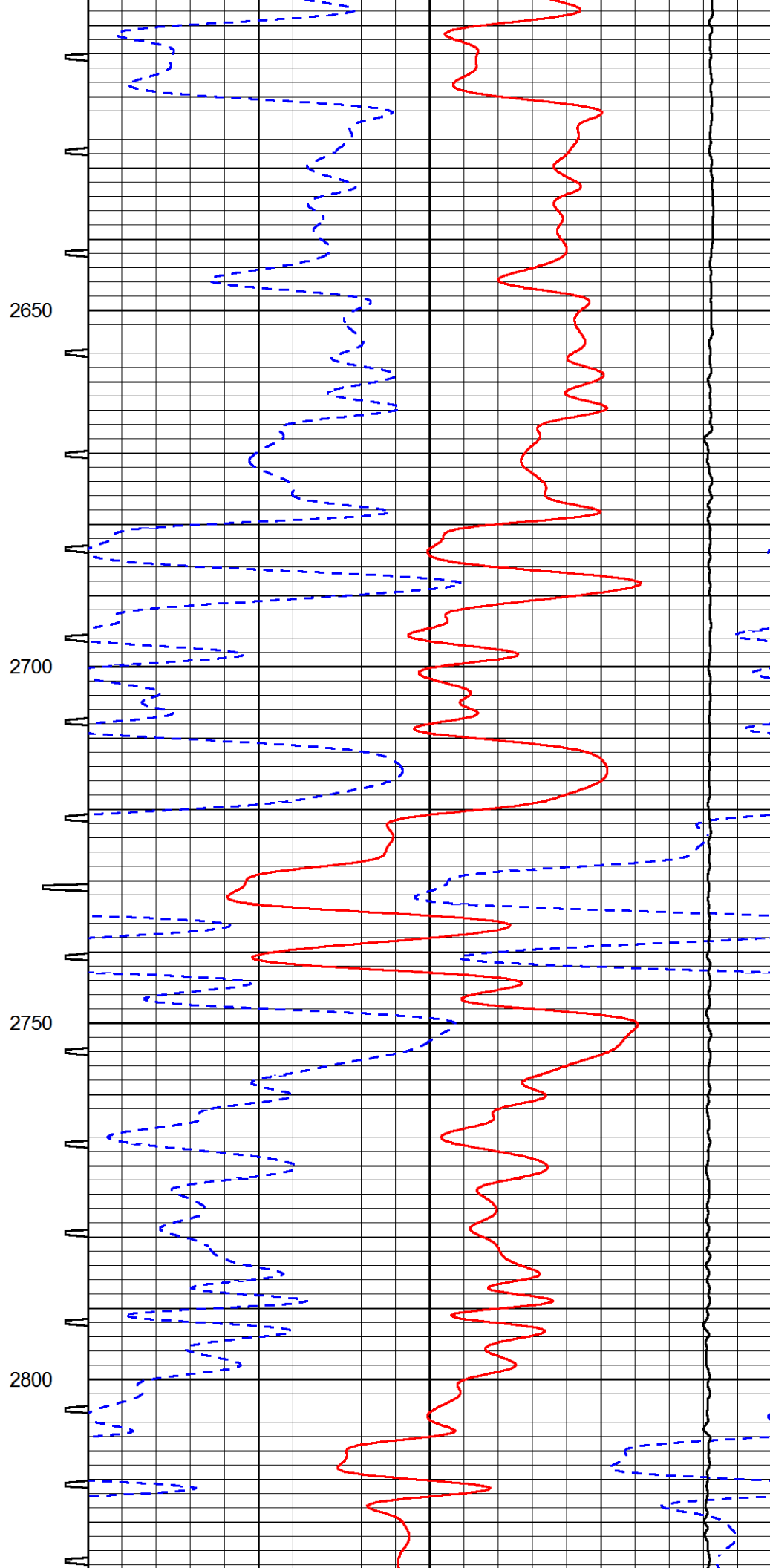
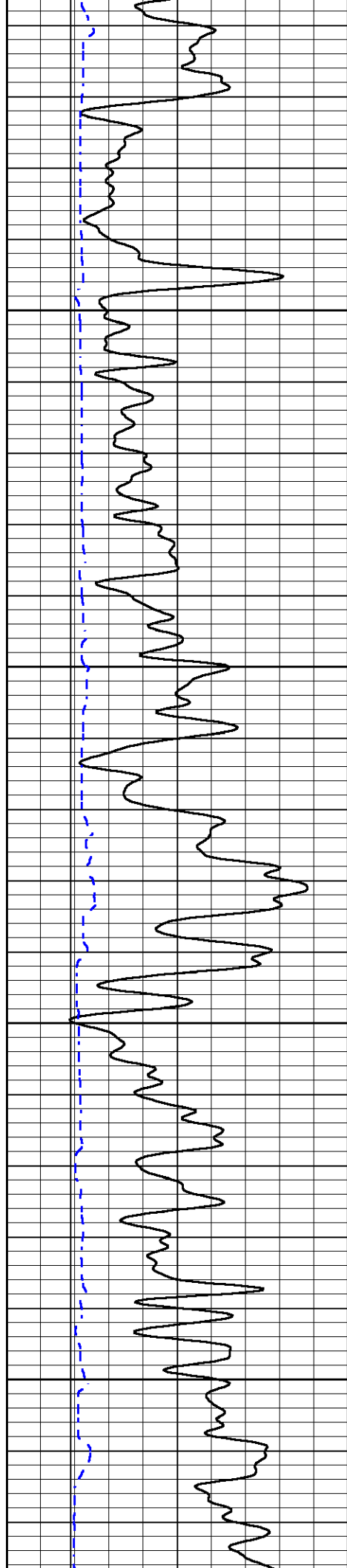


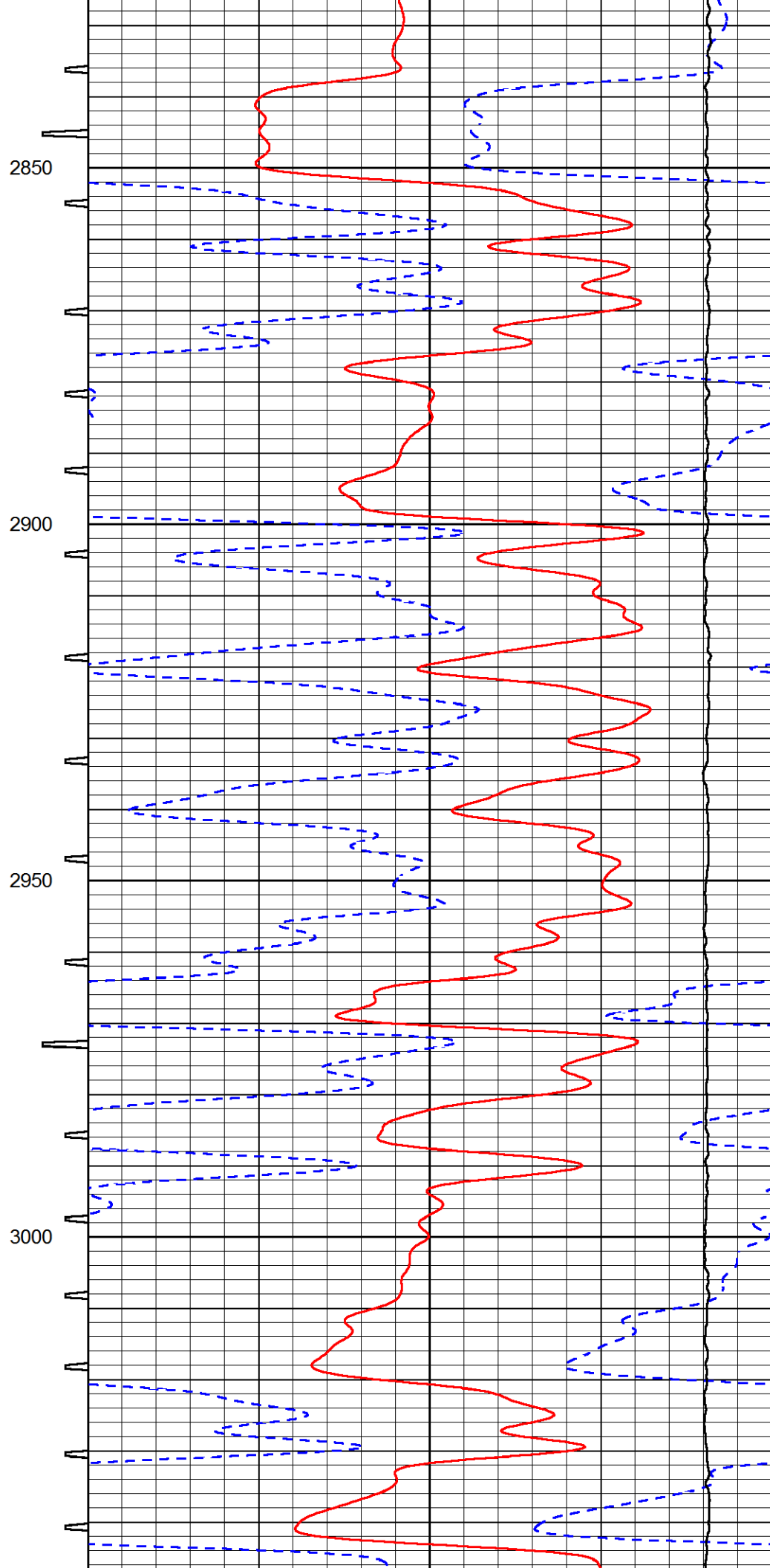
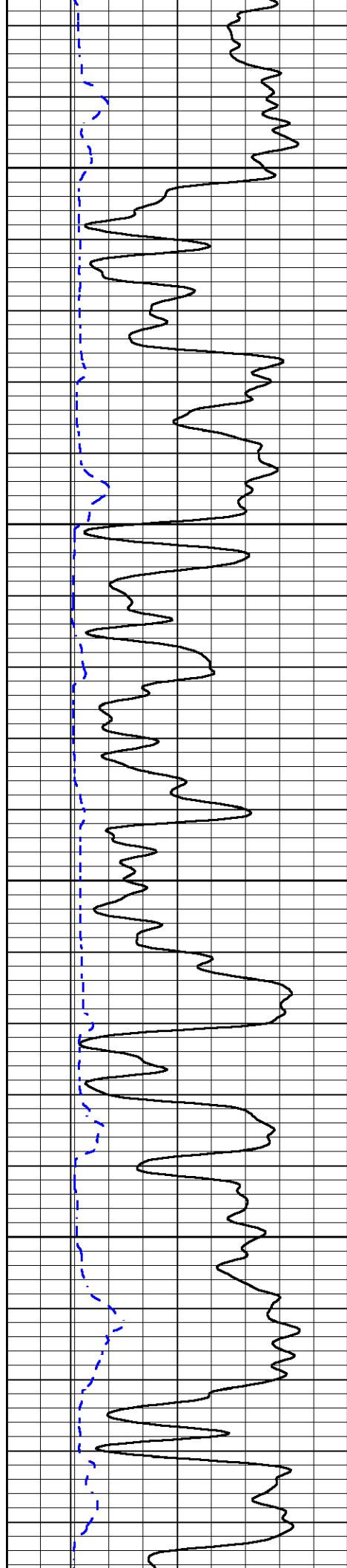


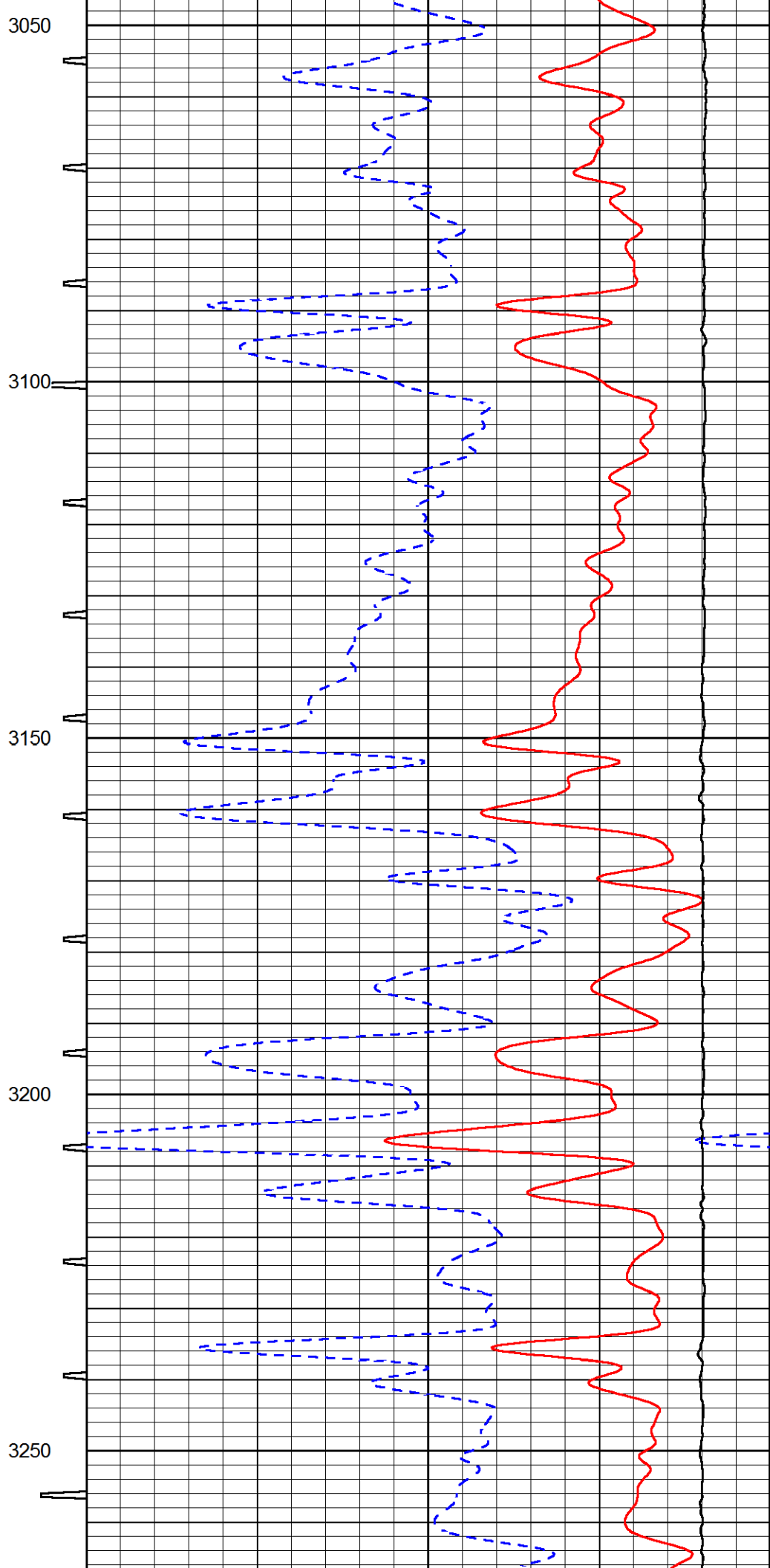
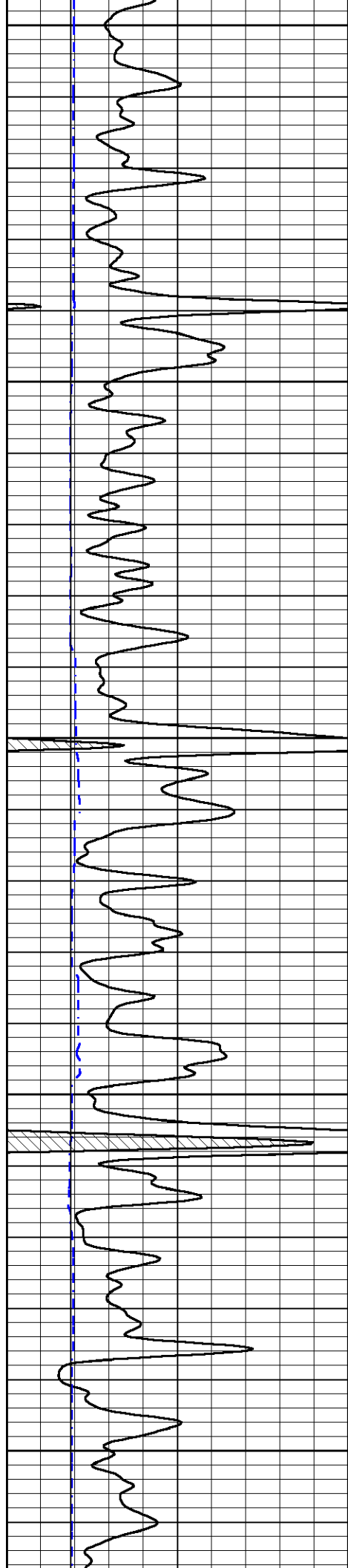


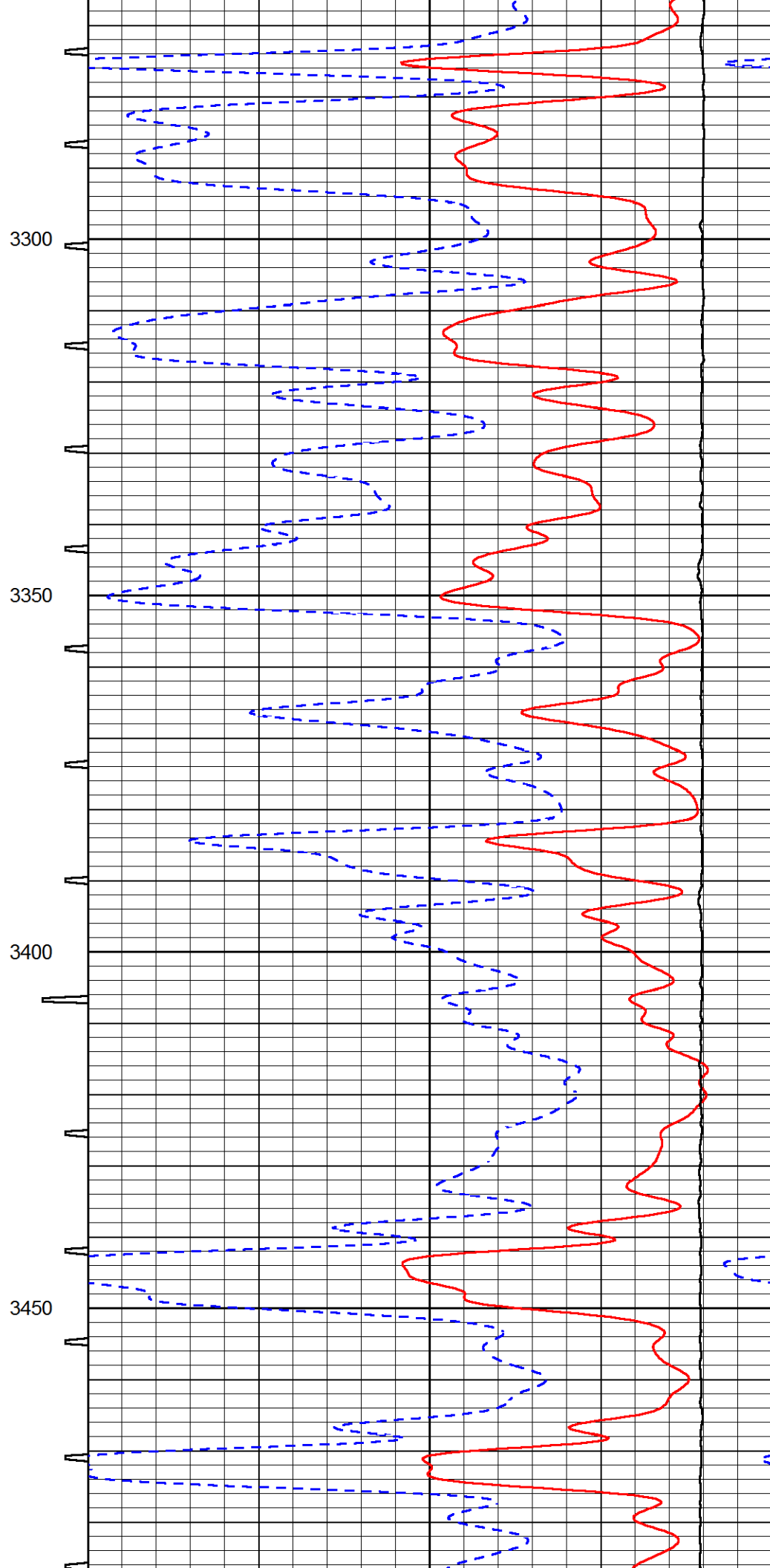
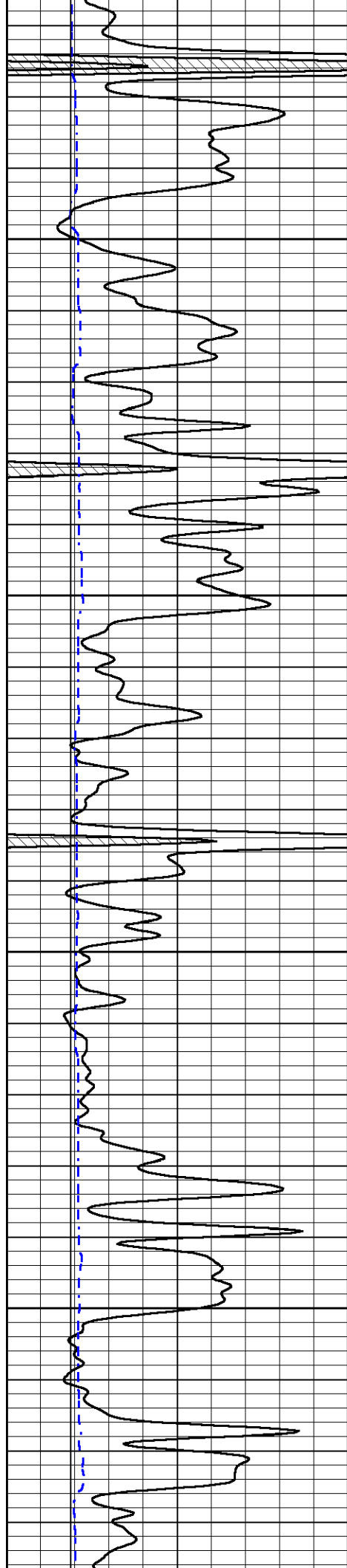


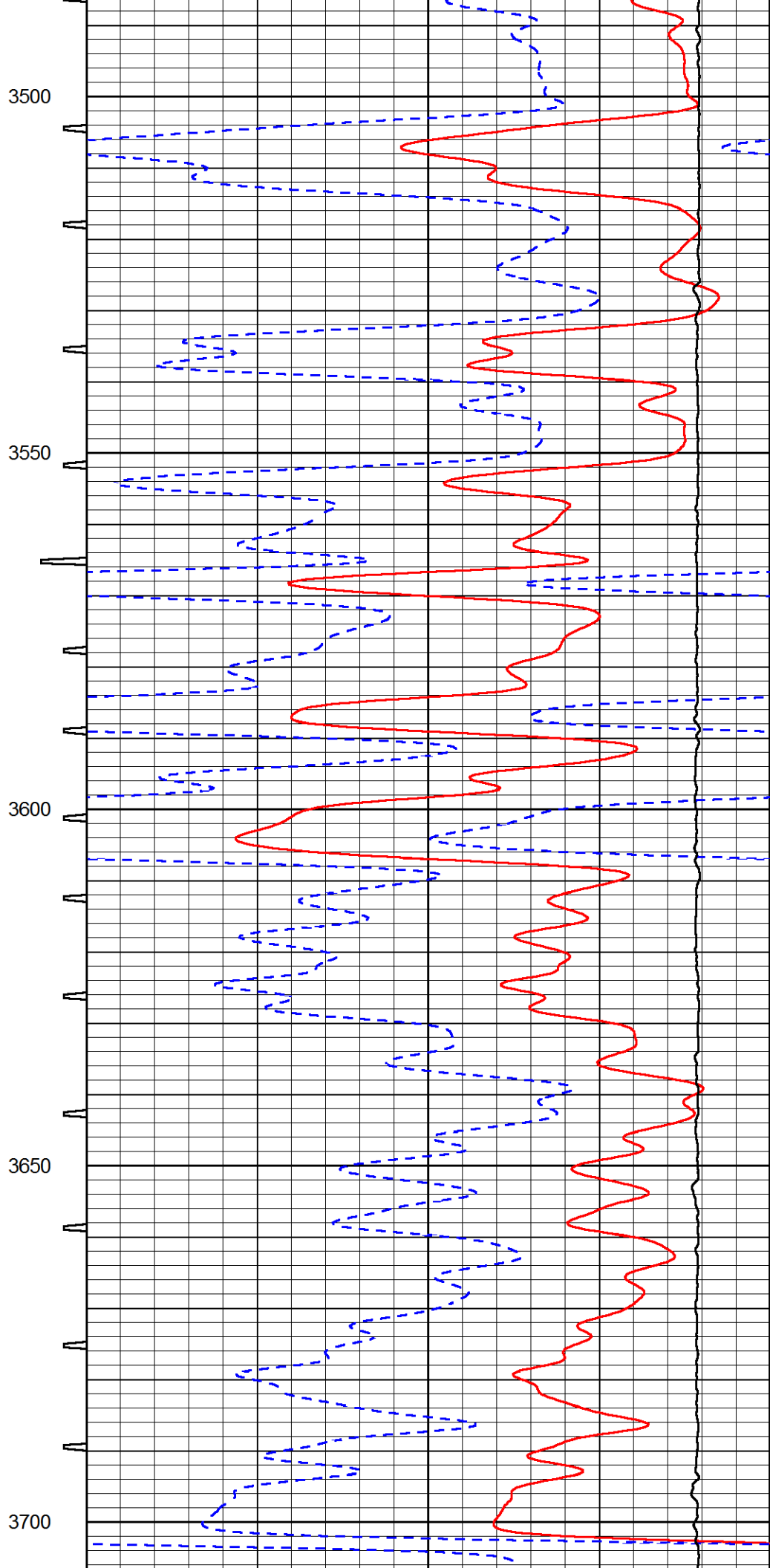
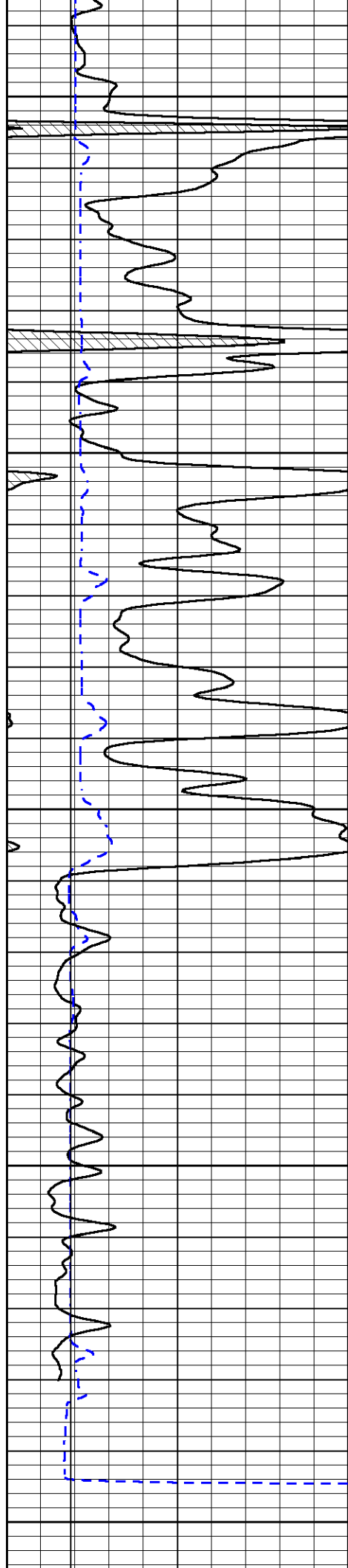












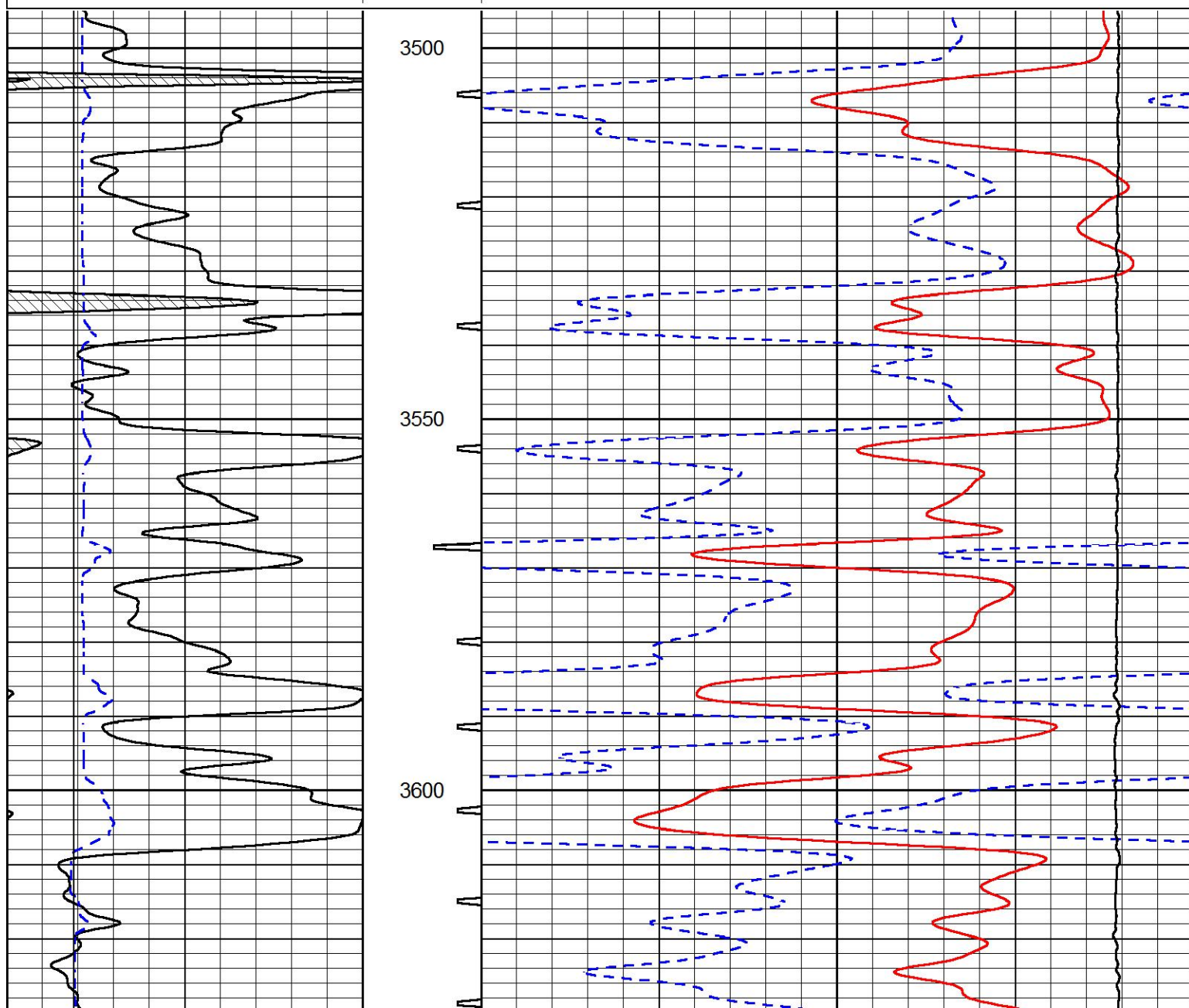
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6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0

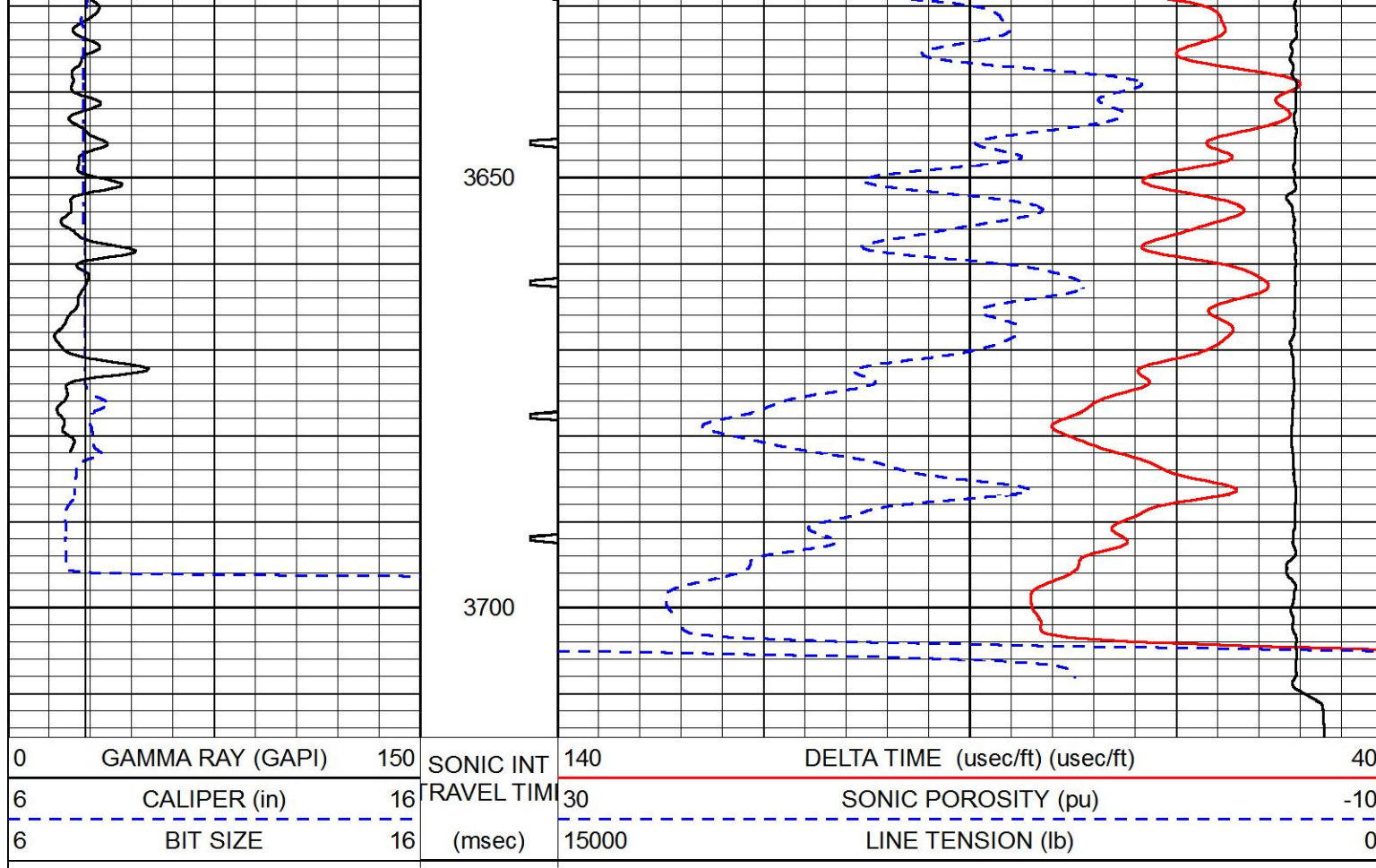


REPEAT SECTION

Database File murfin_henderson g #7.db
Dataset Pathname stack/pass2.1
Presentation Format sonic
Dataset Creation Wed Sep 25 05:58:24 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





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