



BOREHOLE COMPENSATED SONIC

MIDWEST WIRELINE

Company LB Exploration, Inc.
Well Prochaska/Rathbun Unit #1
Field Ellsworth
County Ellsworth
State Kansas

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Location: API #: 15-053-21389-00-00
SW SE SE SE
153 FSL & 381 FEL
SEC 9 TWP 16S RGE 8W
Permanent Datum Ground Level Elevation 1613
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing
Other Services
CNL/CDL
MEL/DIL
K.B. 1623
D.F.
G.L. 1613

Date 8/24/2023

Run Number Two
Type Log BHCS
Depth Driller 3060
Depth Logger 3059
Bottom Logged Interval 3047
Top Logged Interval 200
Type Fluid In Hole Chemical
Salinity, PPM CL 5000
Density 9.4
Level Full
Max. Rec. Temp. F 107
Operating Rig Time 4 Hours
Equipment -- Location P-24 Hays
Recorded By T. Martin
Witnessed By Jim Musgrove

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	223	8.625	23	00	223
Two	7.875	223	TD				

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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.

Ellsworth, KS, S of town at 156/14 Junction,
3.5 S on 14 to Ave O, W & N into

Log Measured From: Kelly Bushing 10 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Jim Musgrove
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\lb_prochaska-rathbun unit #1.db
Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 107	CASEOD in 5.5	CASETHCK in 0	FLUIDDEN g/cc 1	MATRXDEN g/cc 2.71	NPORSEL Limestone	PERFS No
SNDERR mmho/m 0	SNDERRM mmho/m 0	SPSHIFT mV -30	SRFTEMP degF 80	SZCOR Off	TDEPTH ft 3059		

Variable Description

BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
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



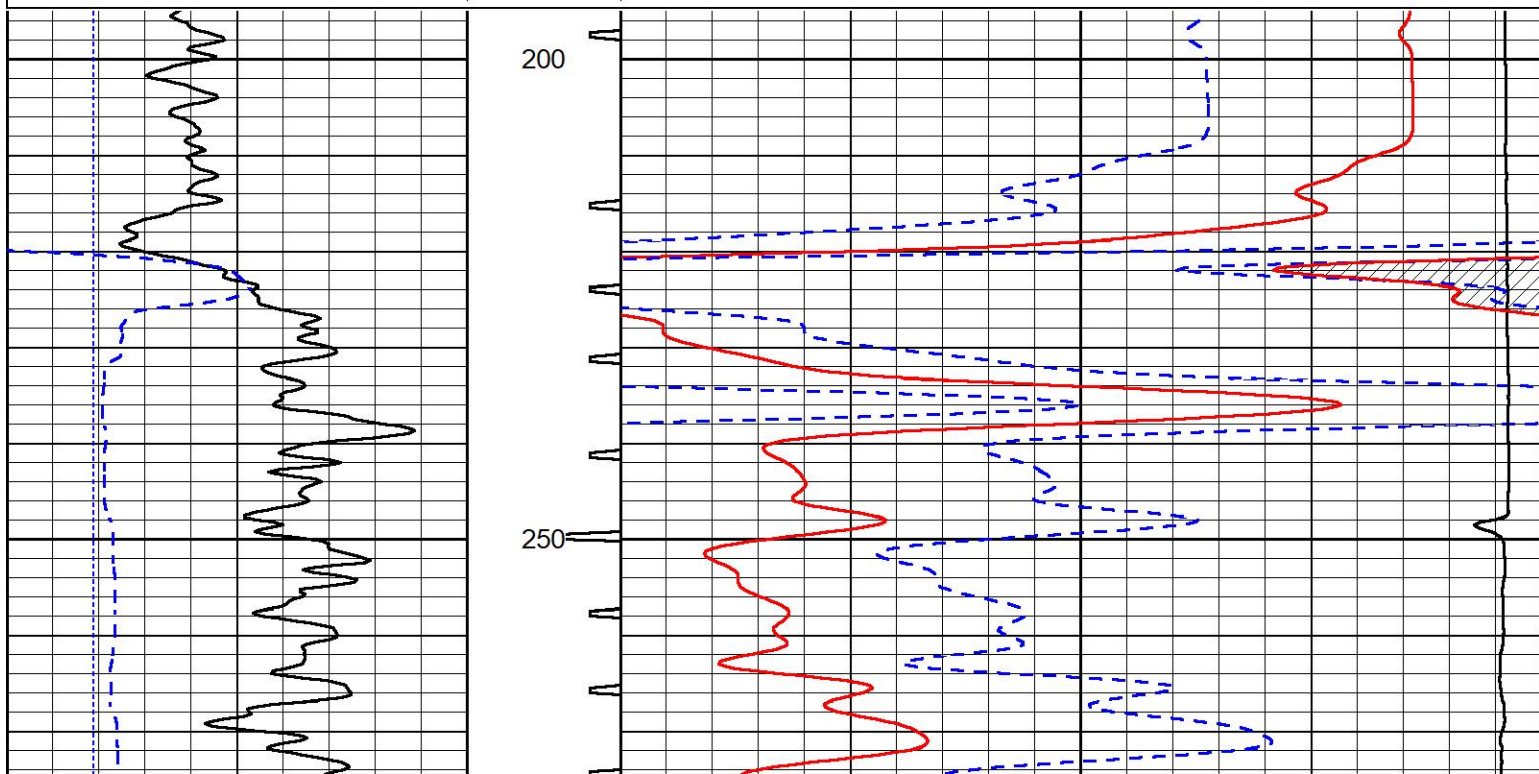
MIDWEST WIRELINE

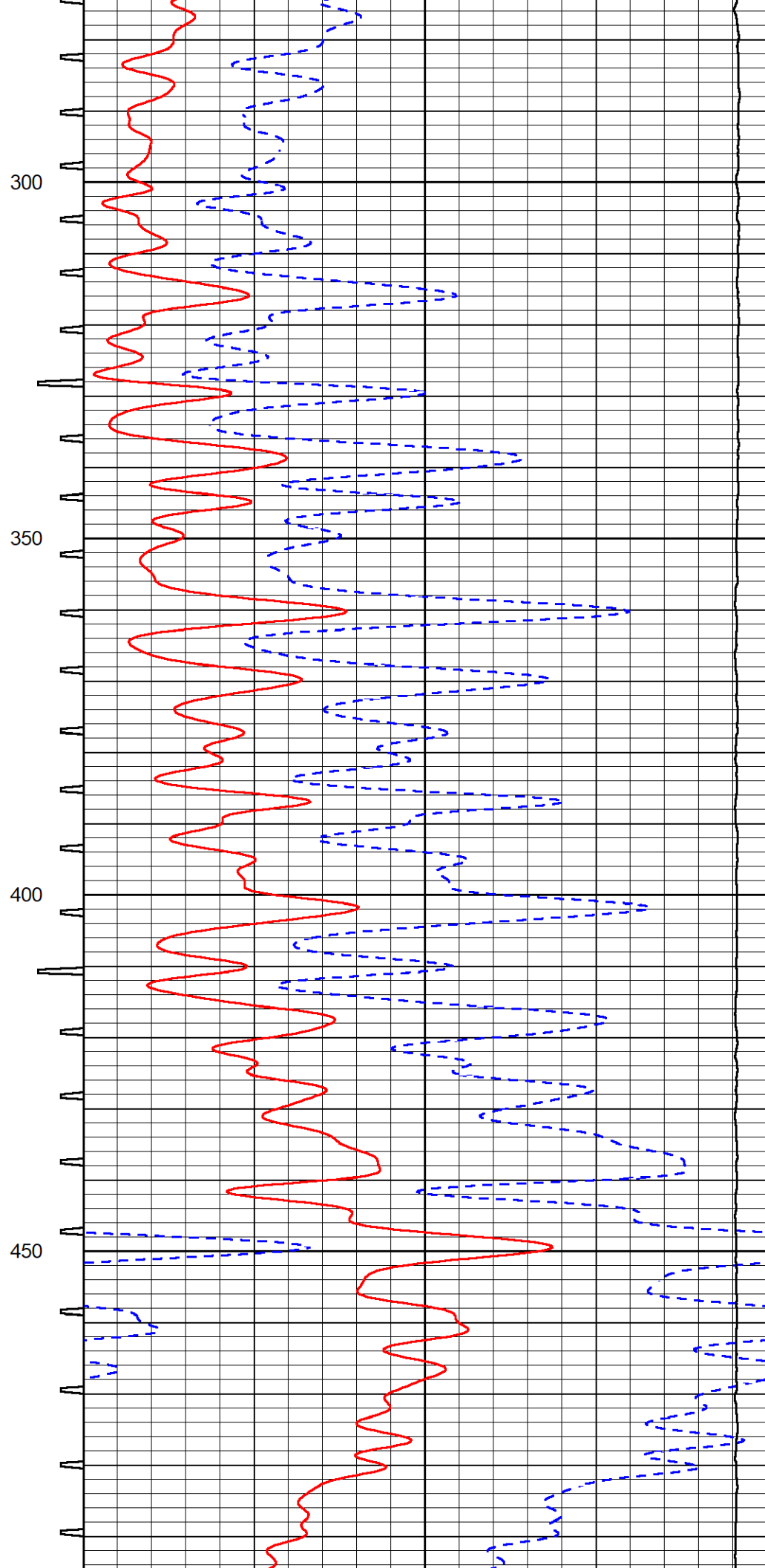
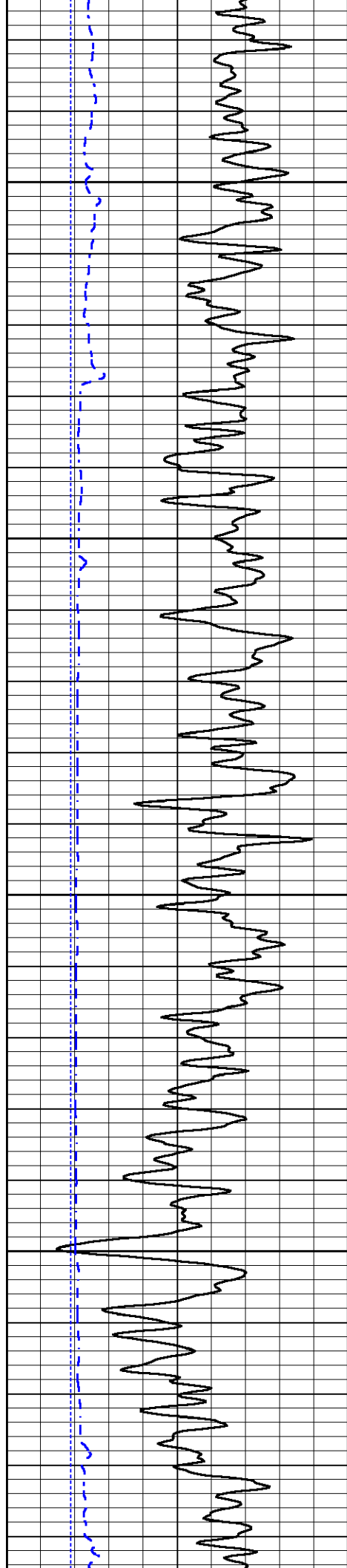
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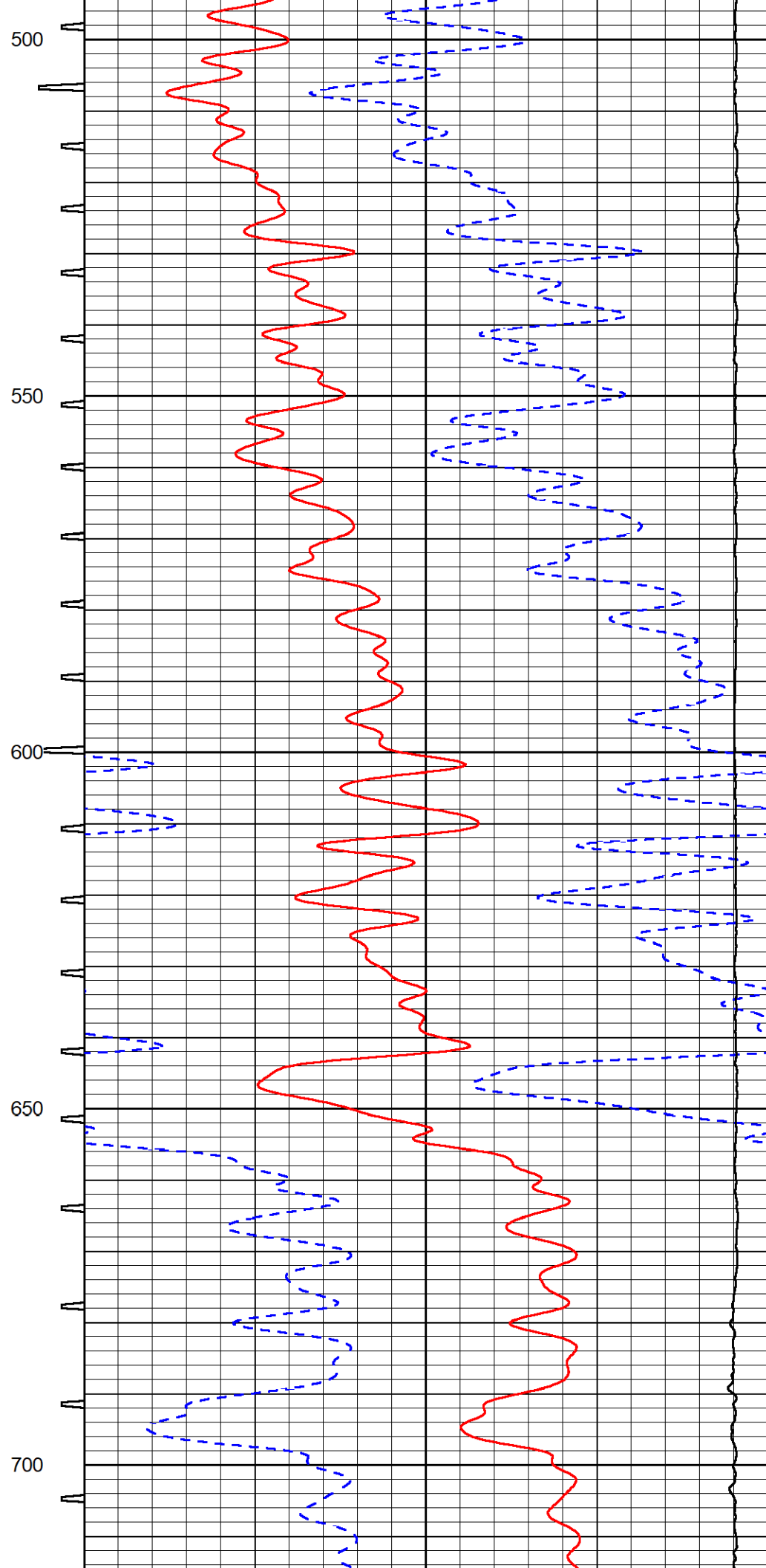
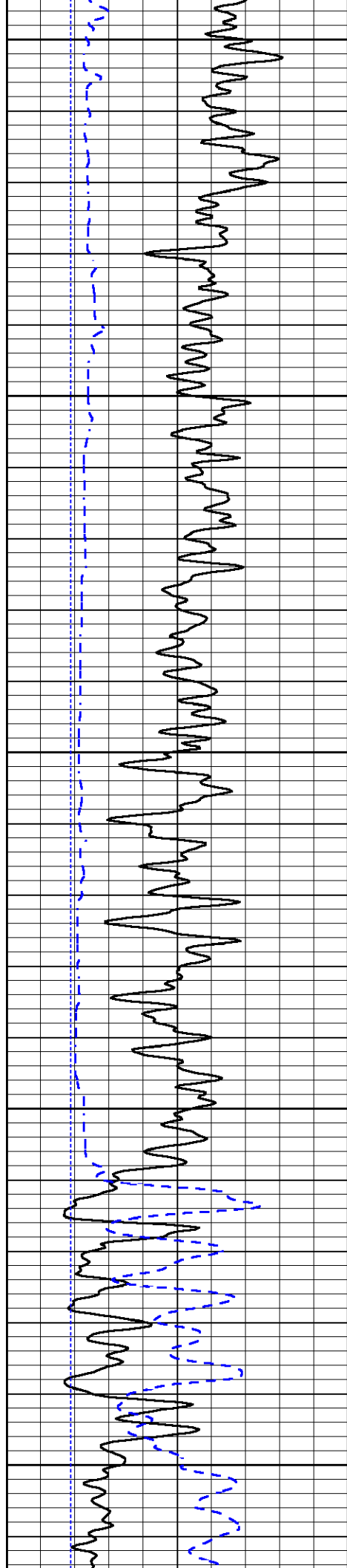
MAIN PASS

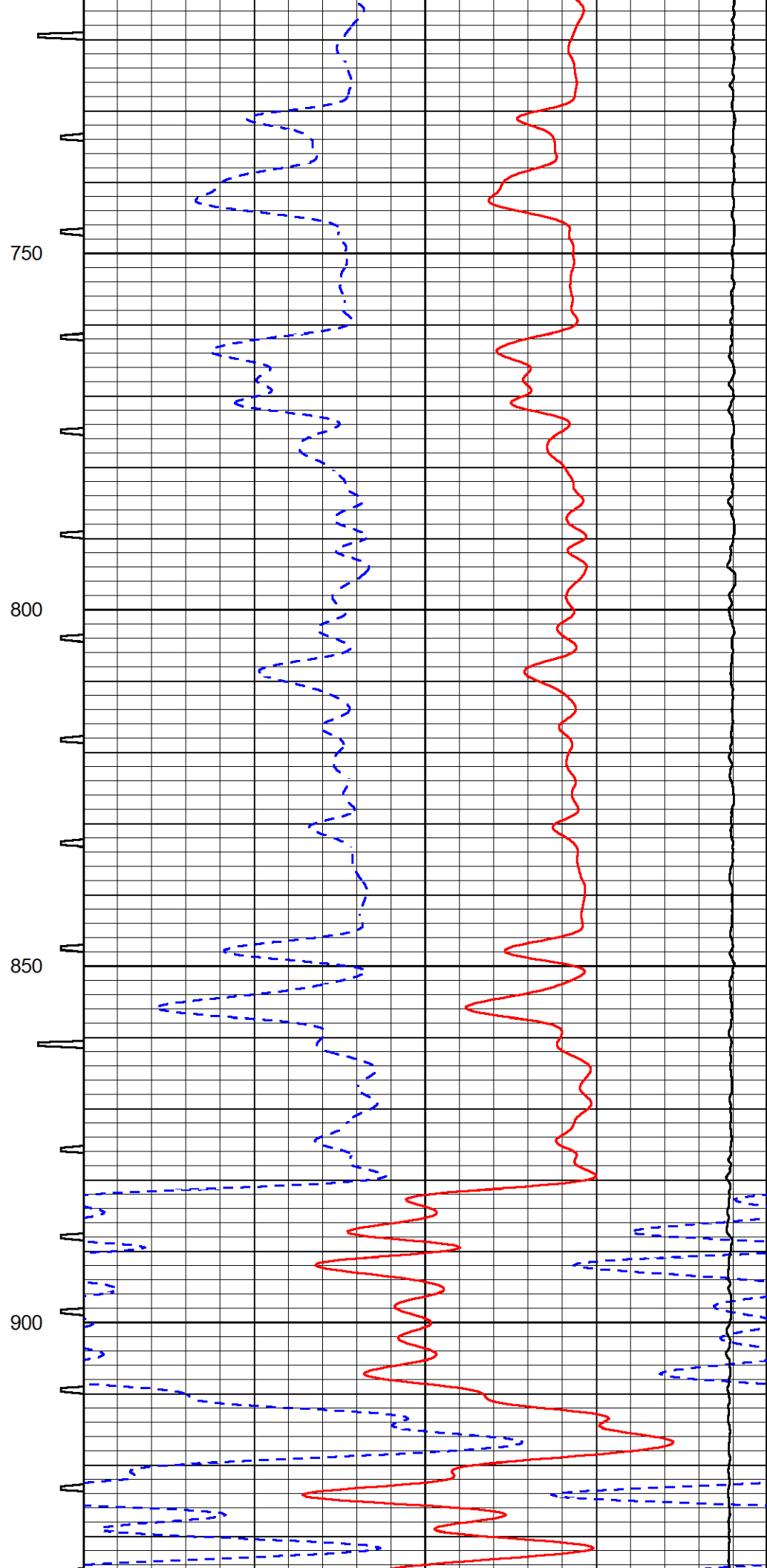
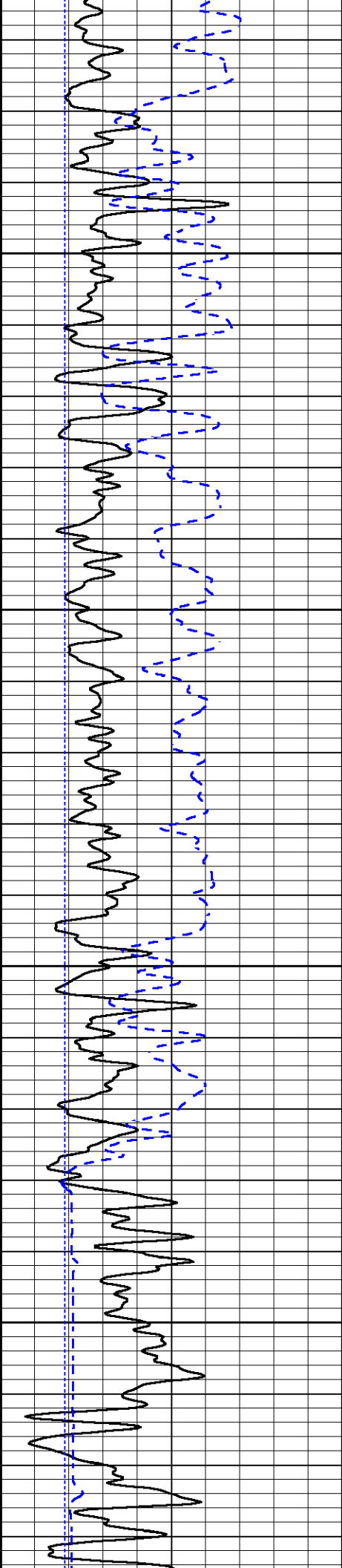
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Dataset Pathname StkMI/pass3.1
Presentation Format _sonic
Dataset Creation Thu Aug 24 09:53:52 2023
Charted by Depth in Feet scaled 1:240

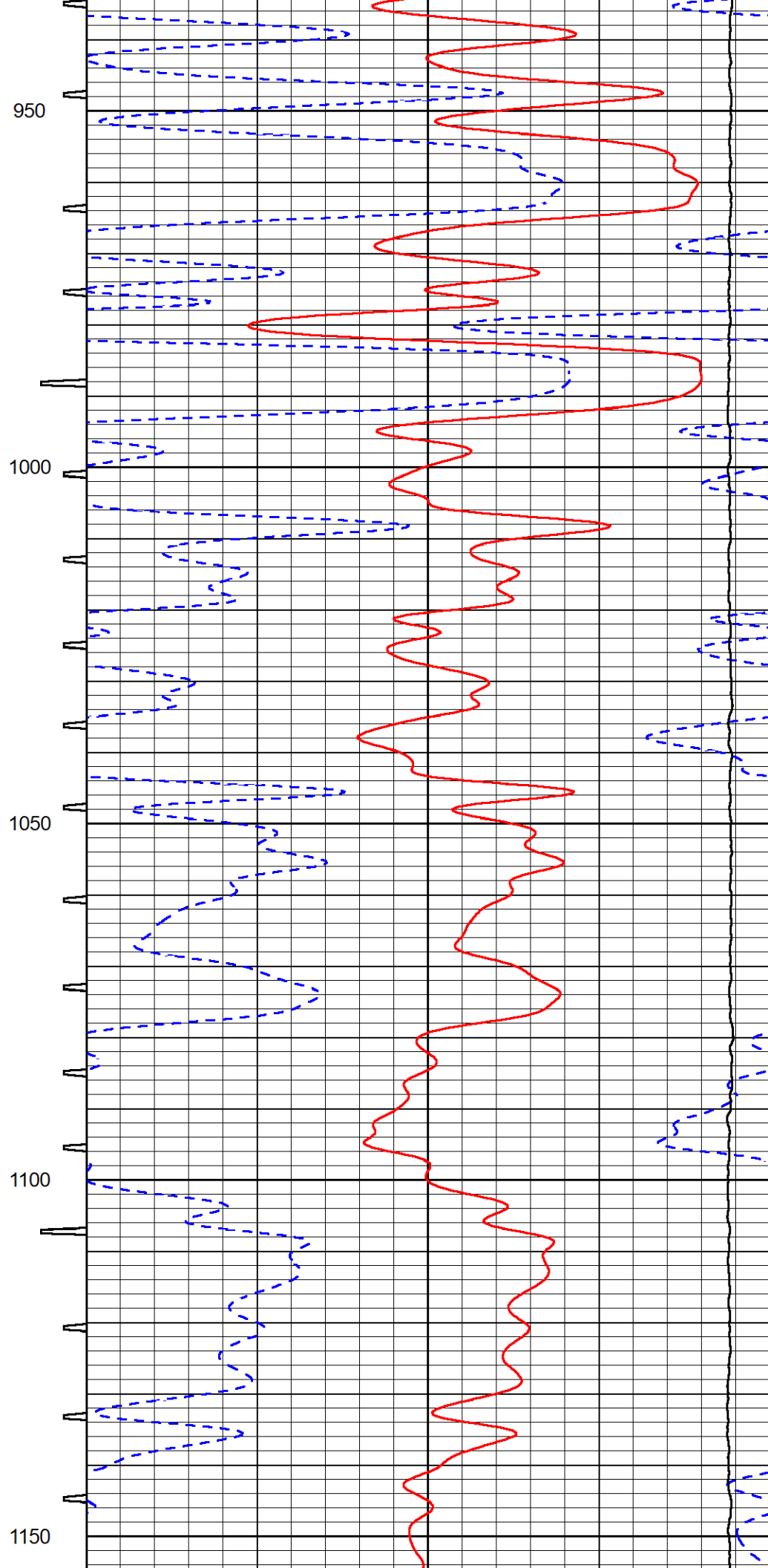
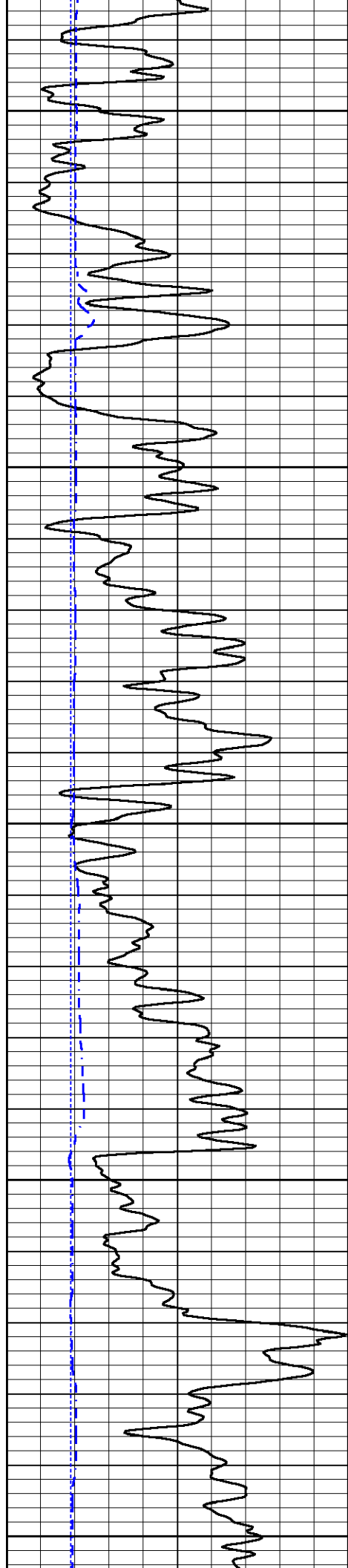
0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	GR (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu) (pu)	-10
6	LCAL (in)	16		15000	Line Tension (lb)	0

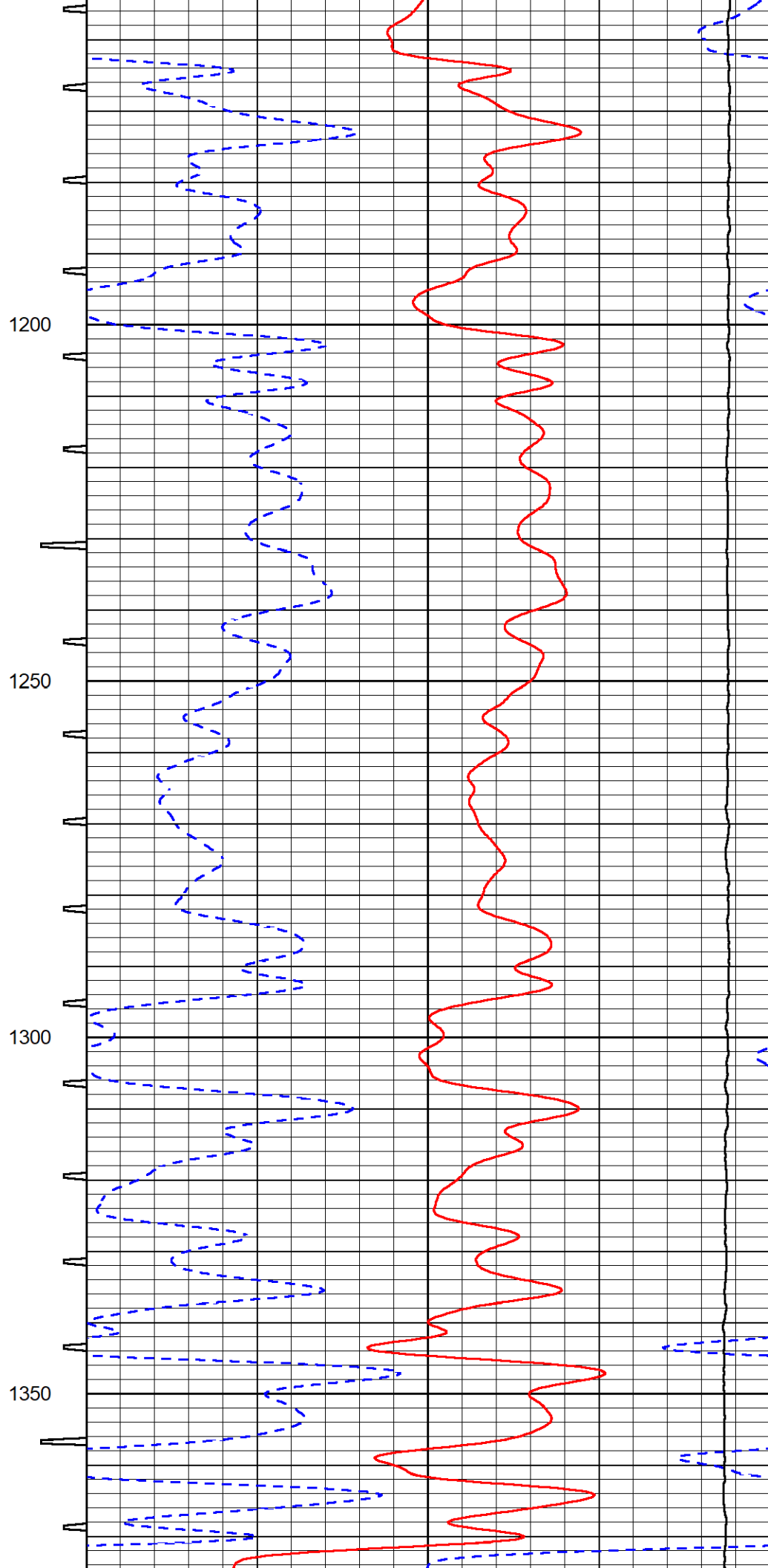
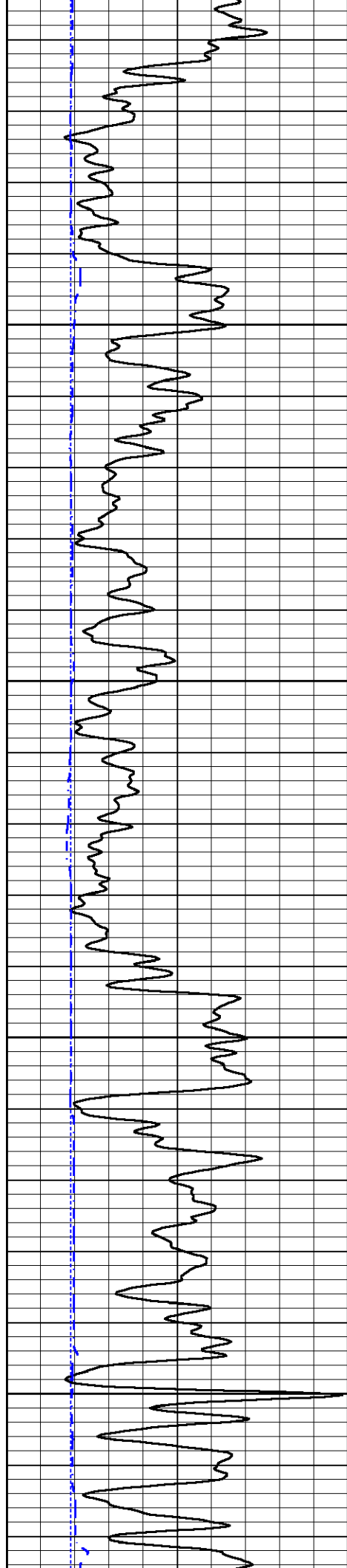


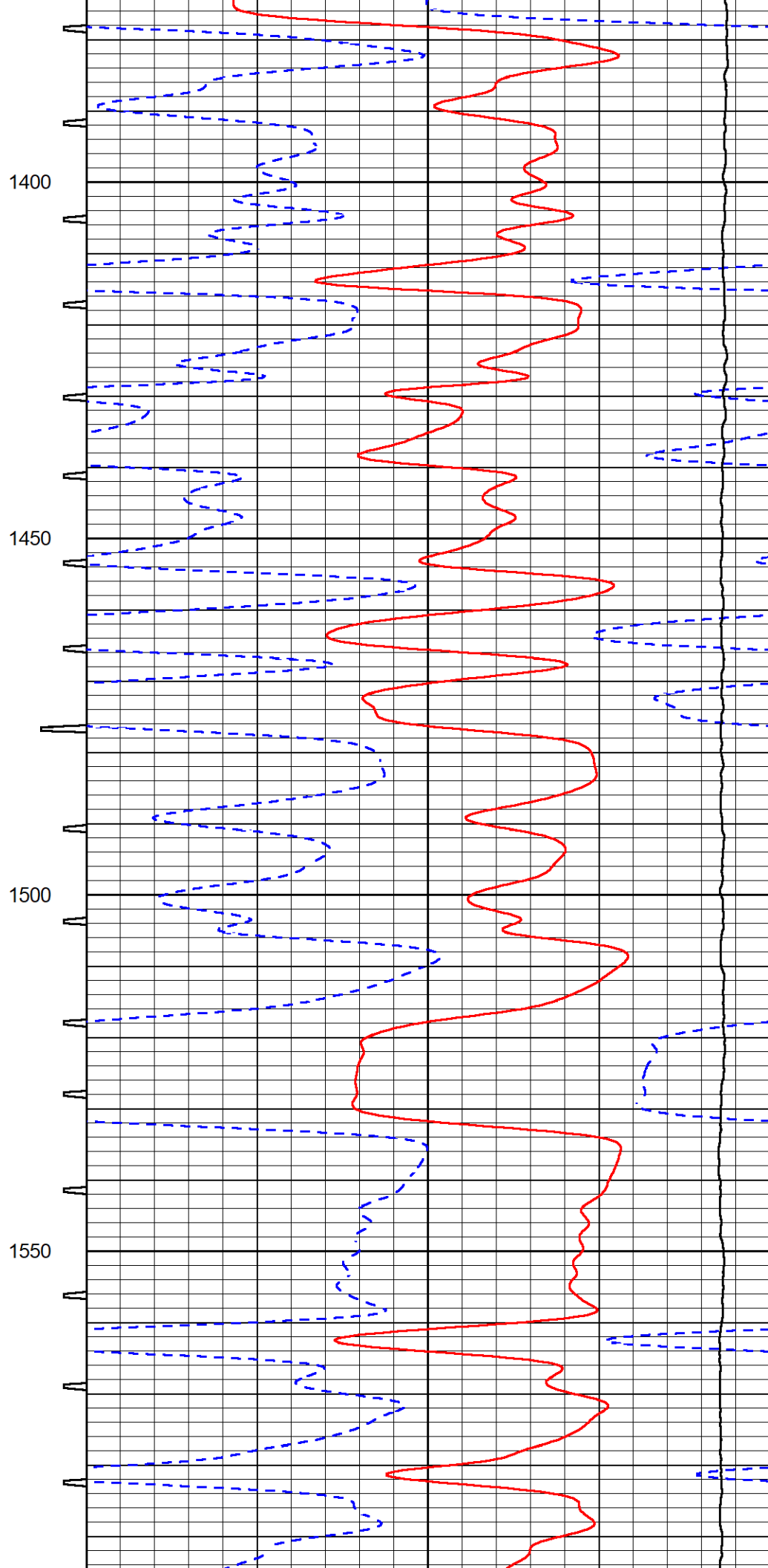
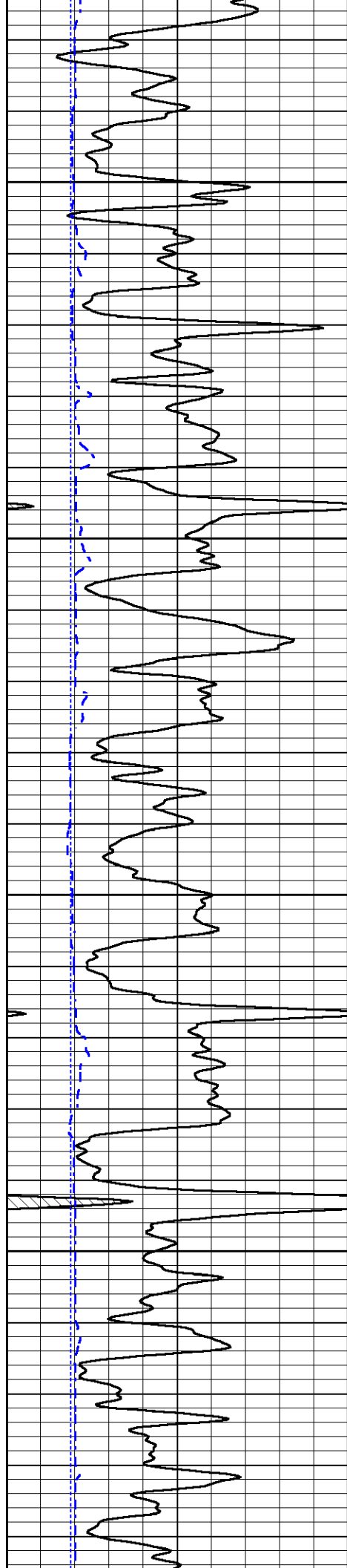


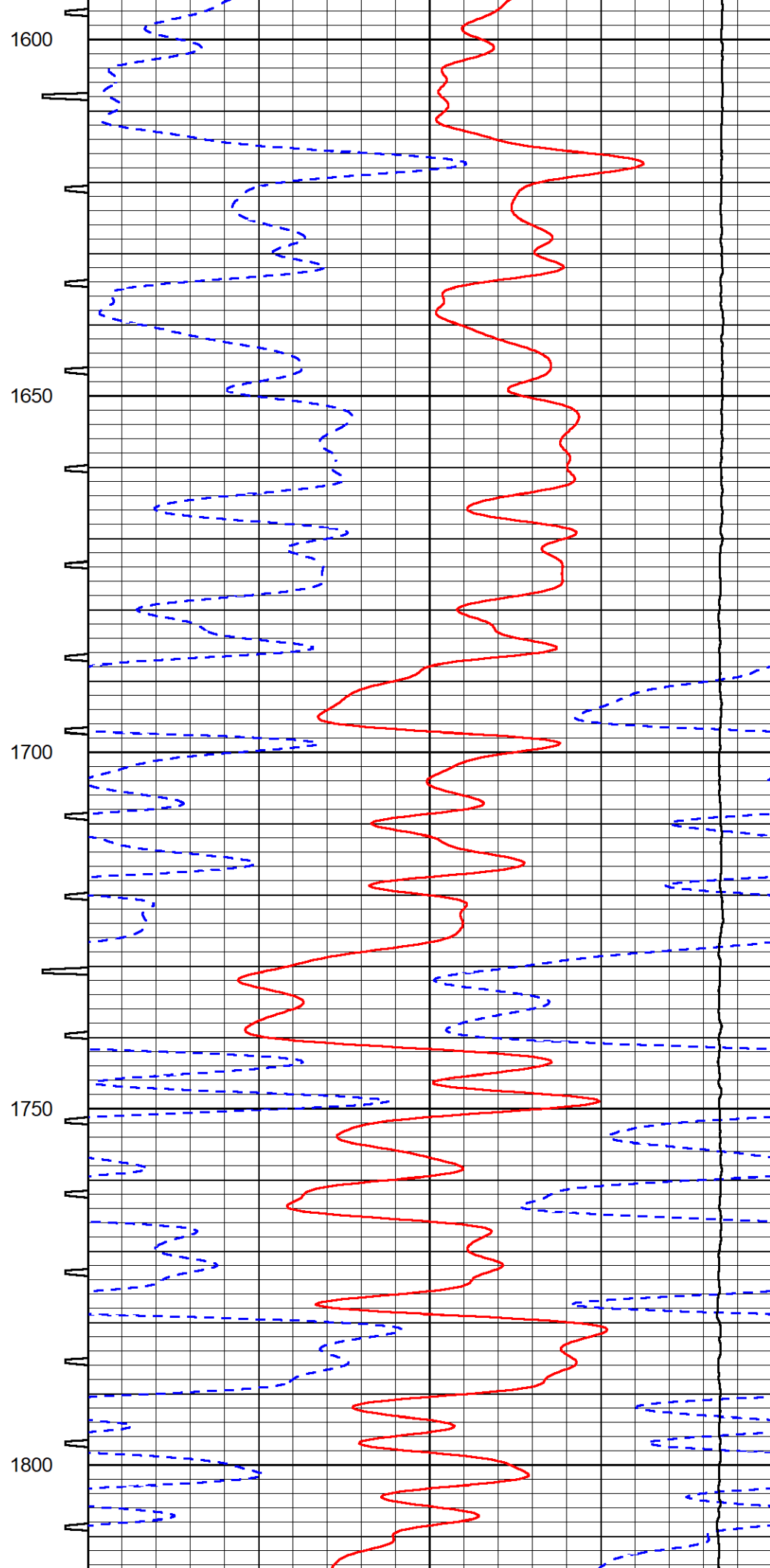


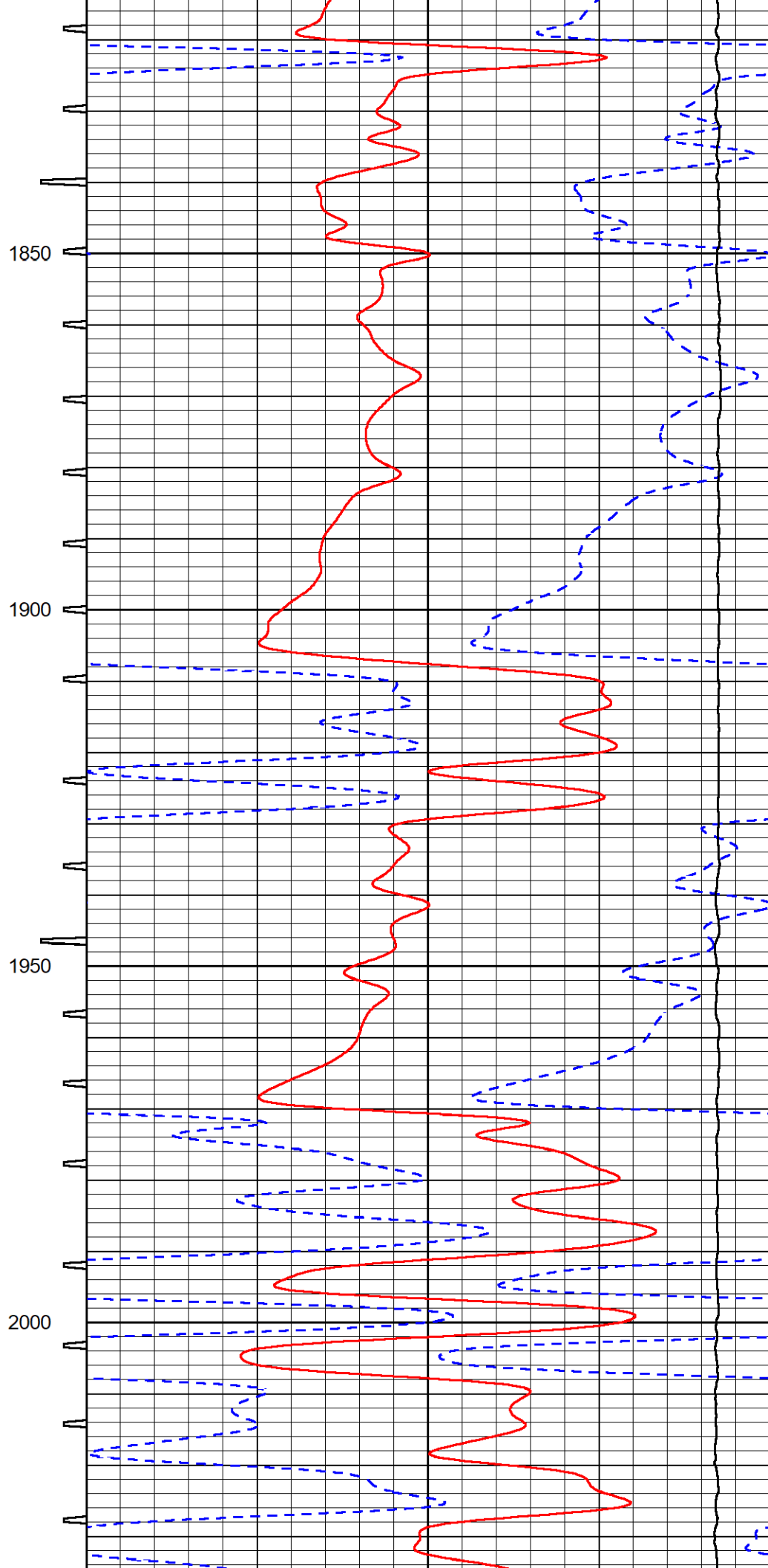
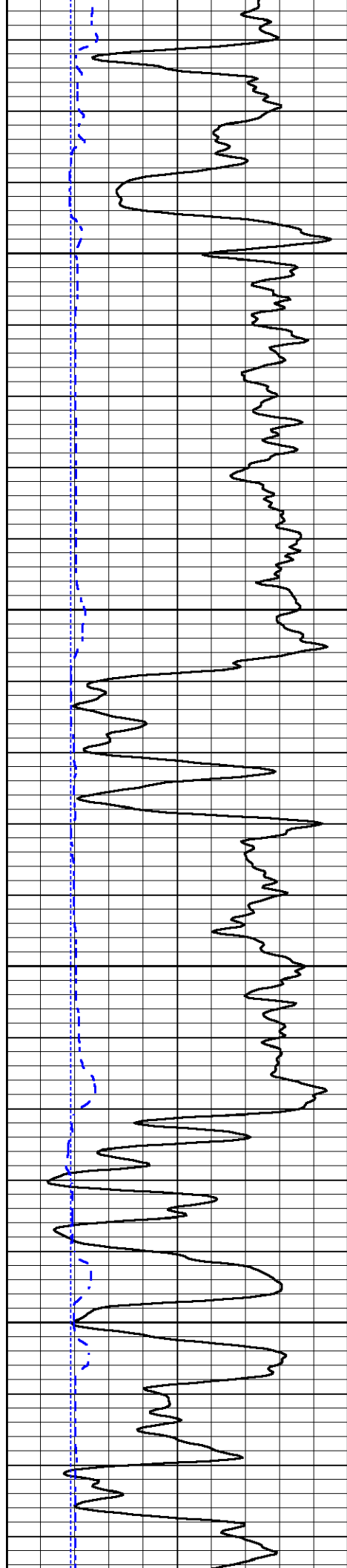


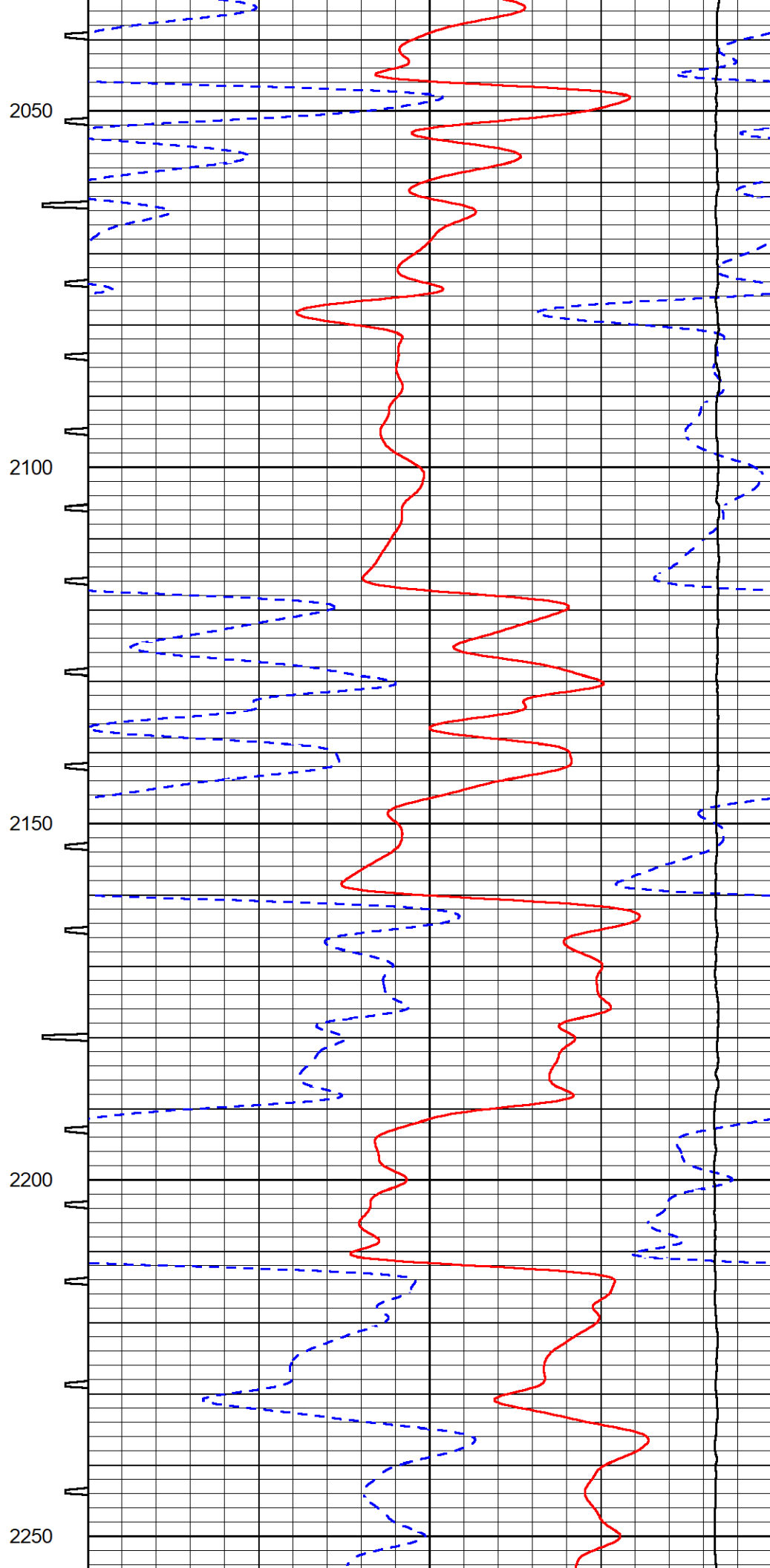
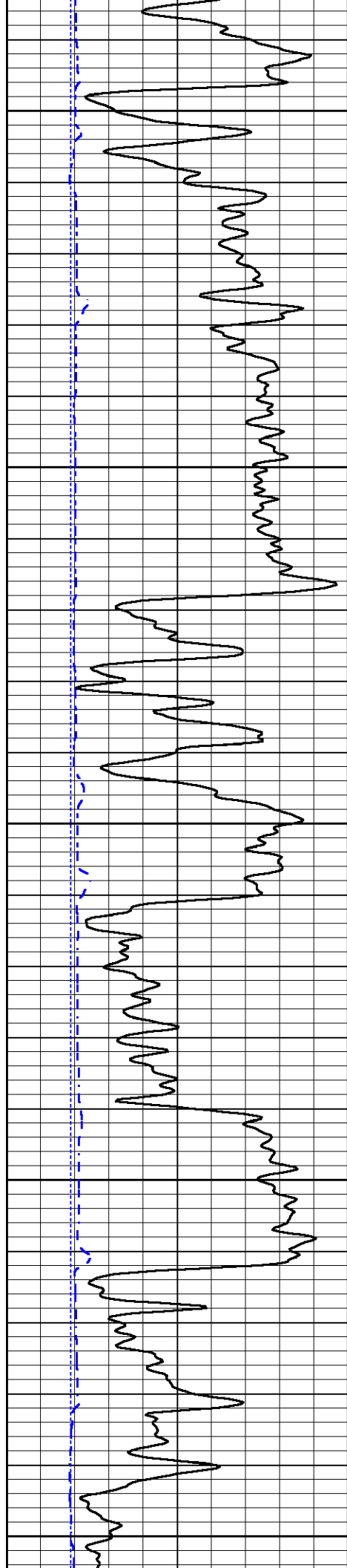


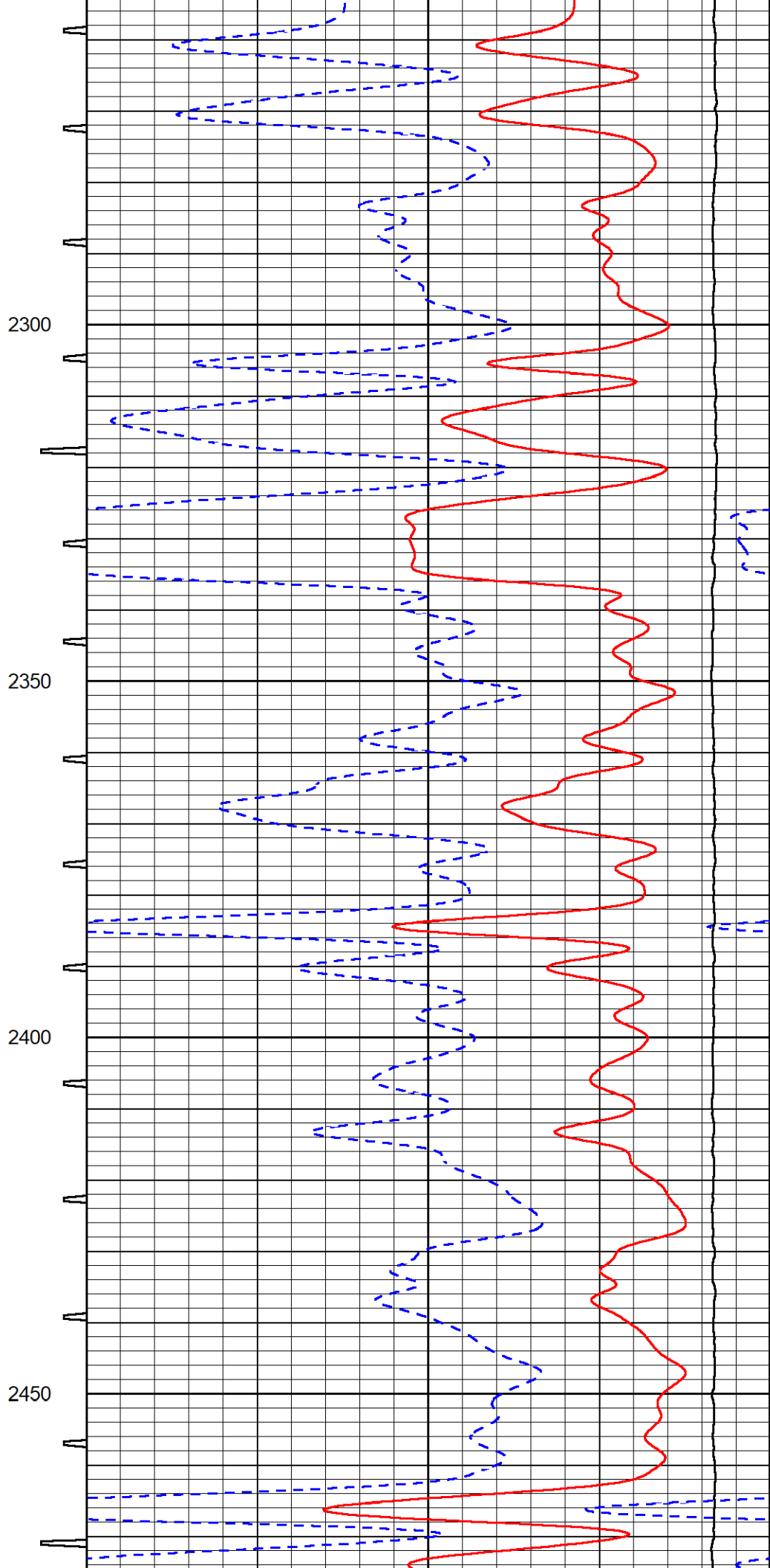
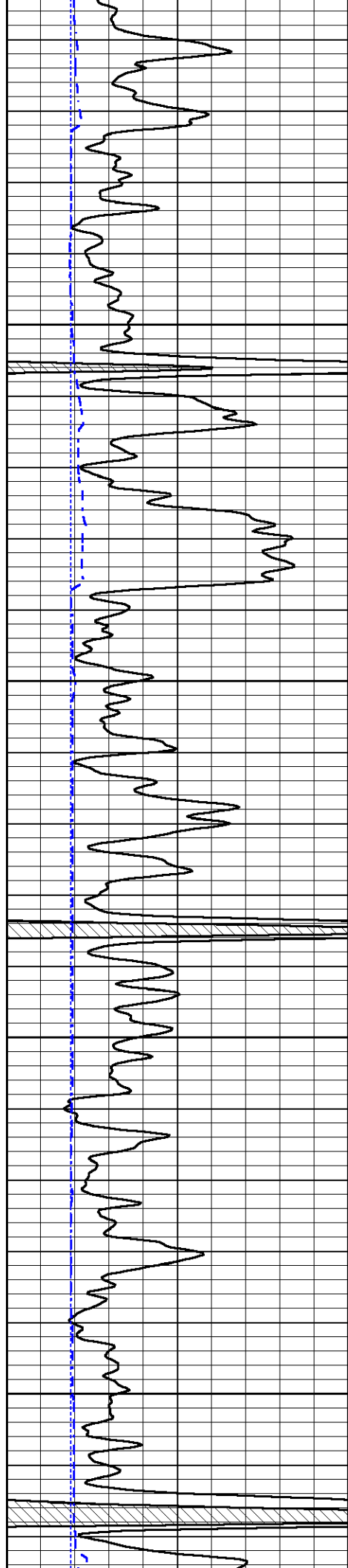


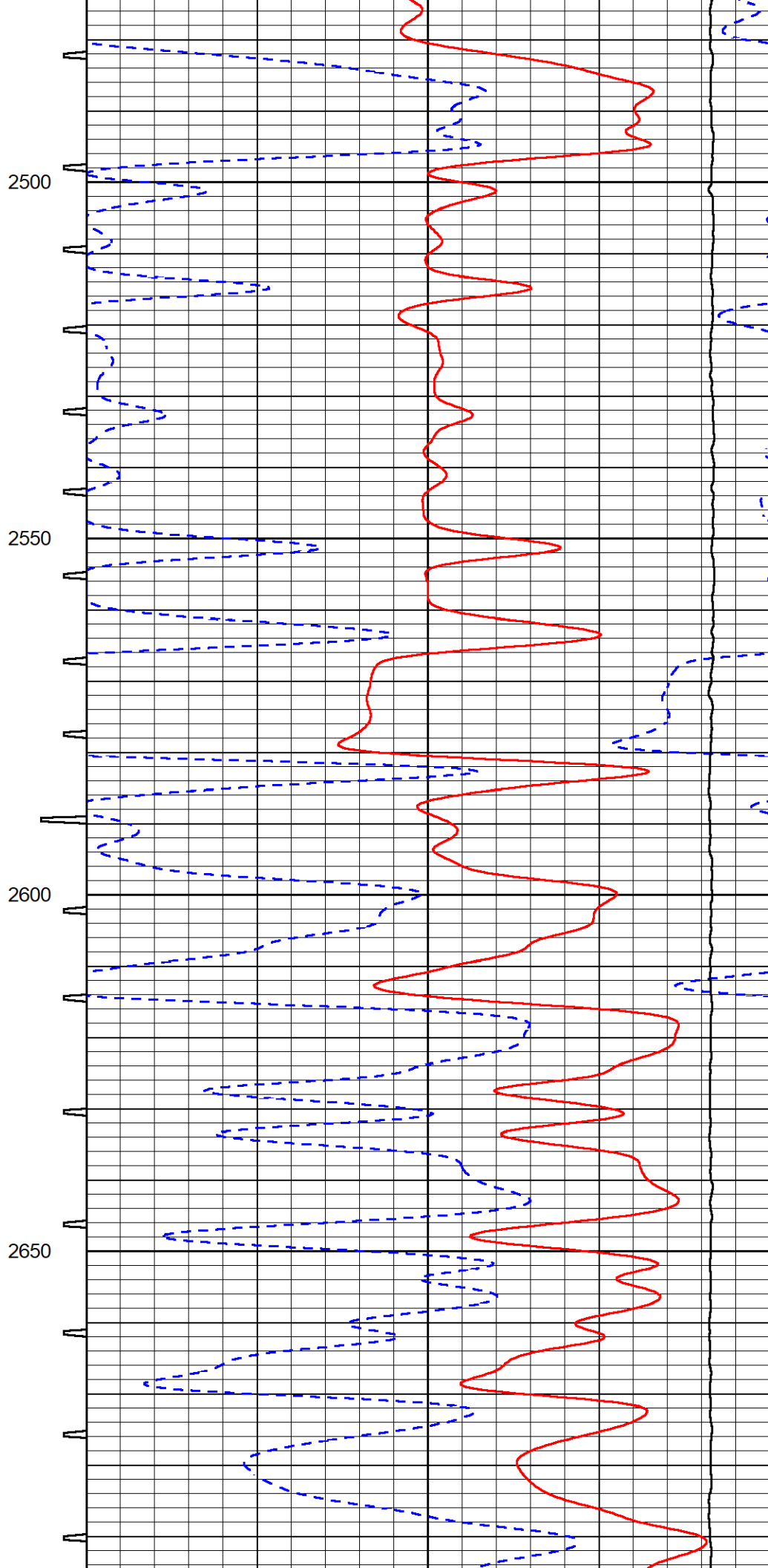
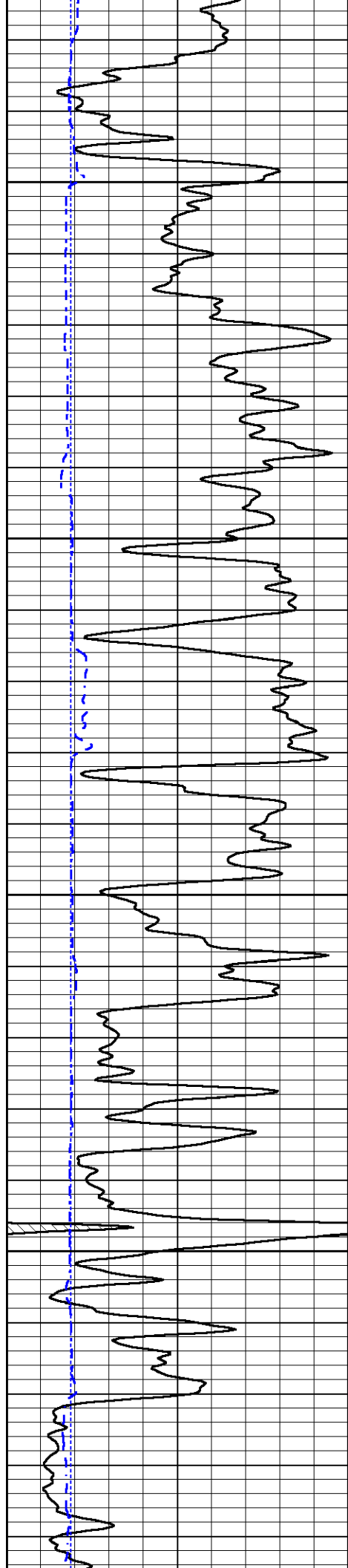


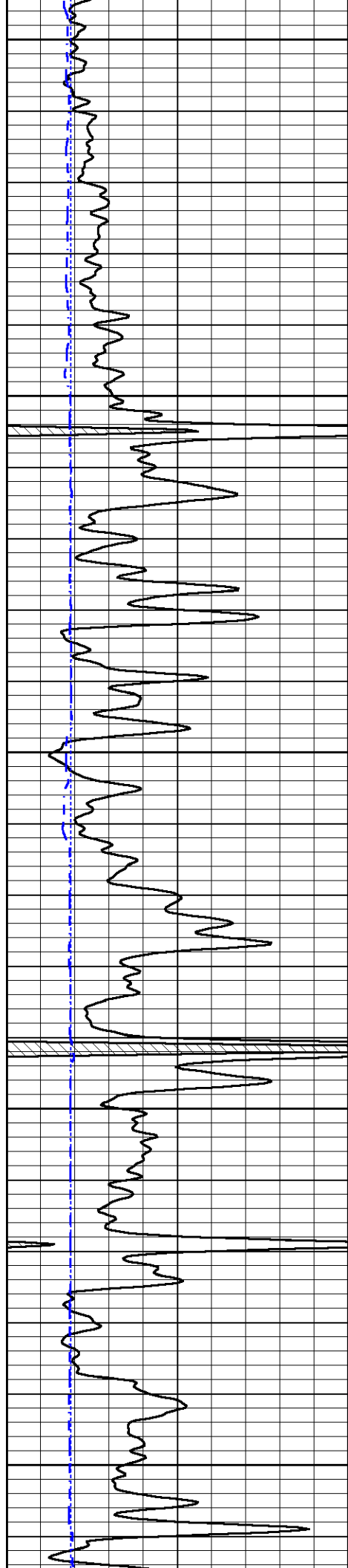












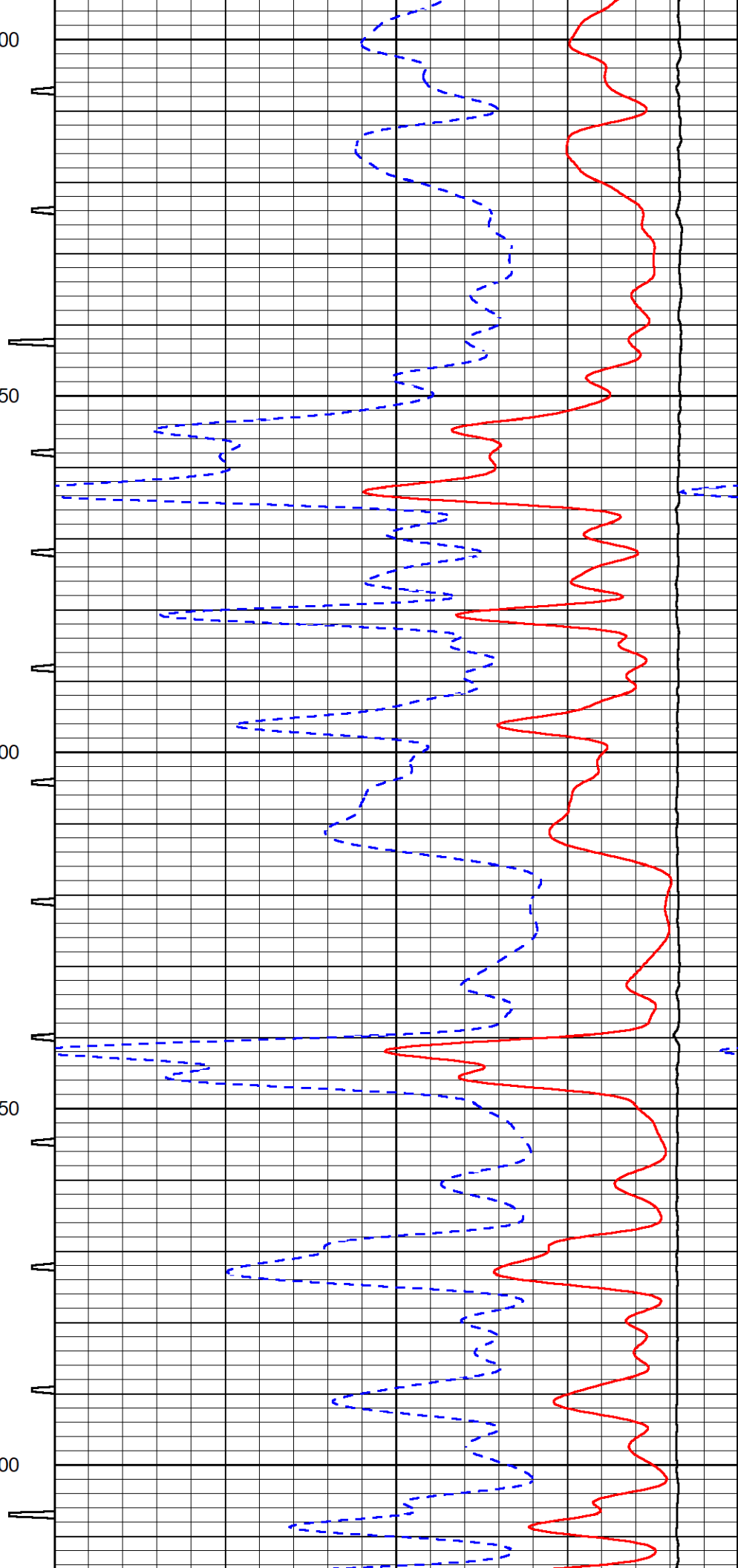
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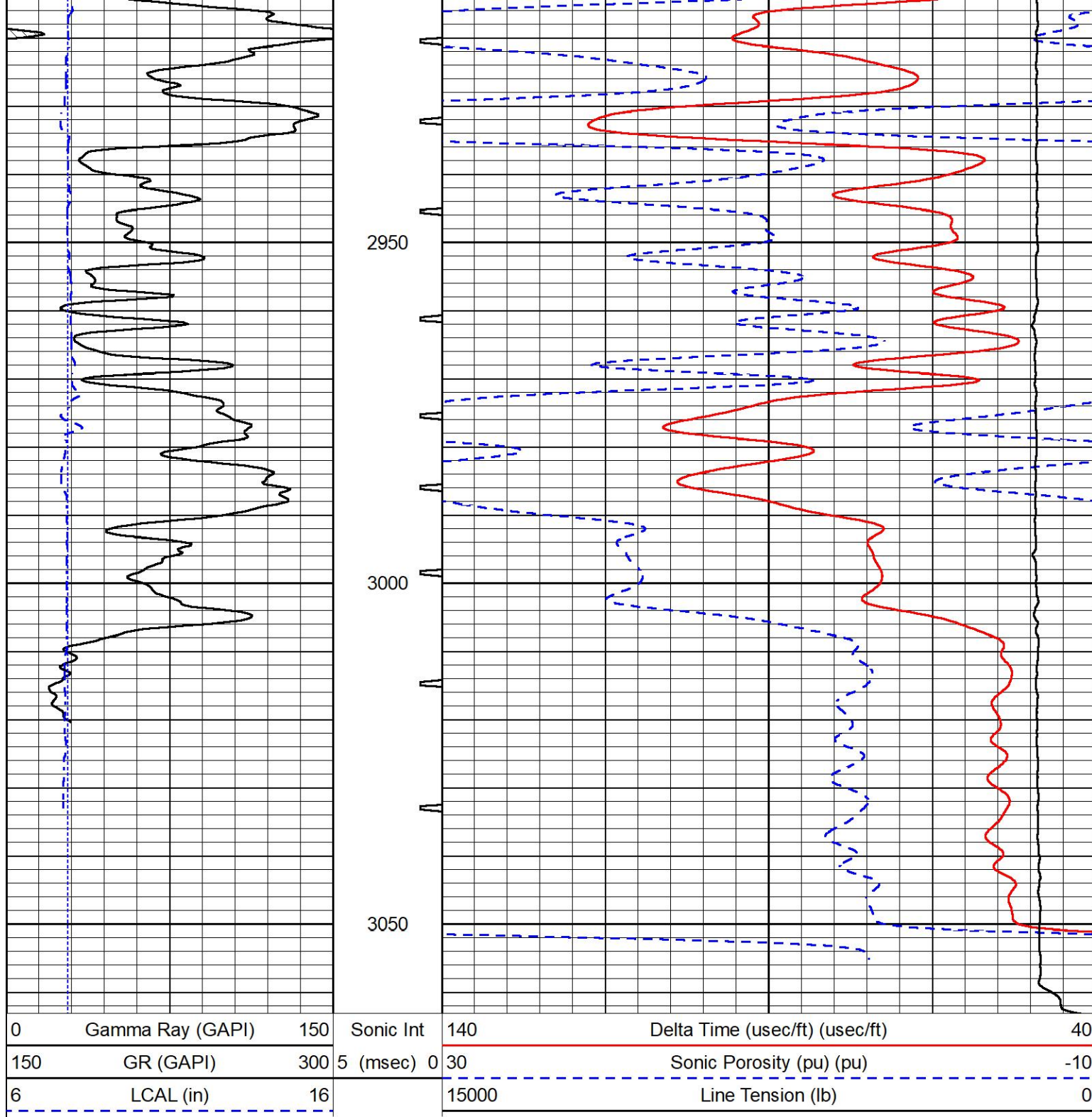
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2850

2900





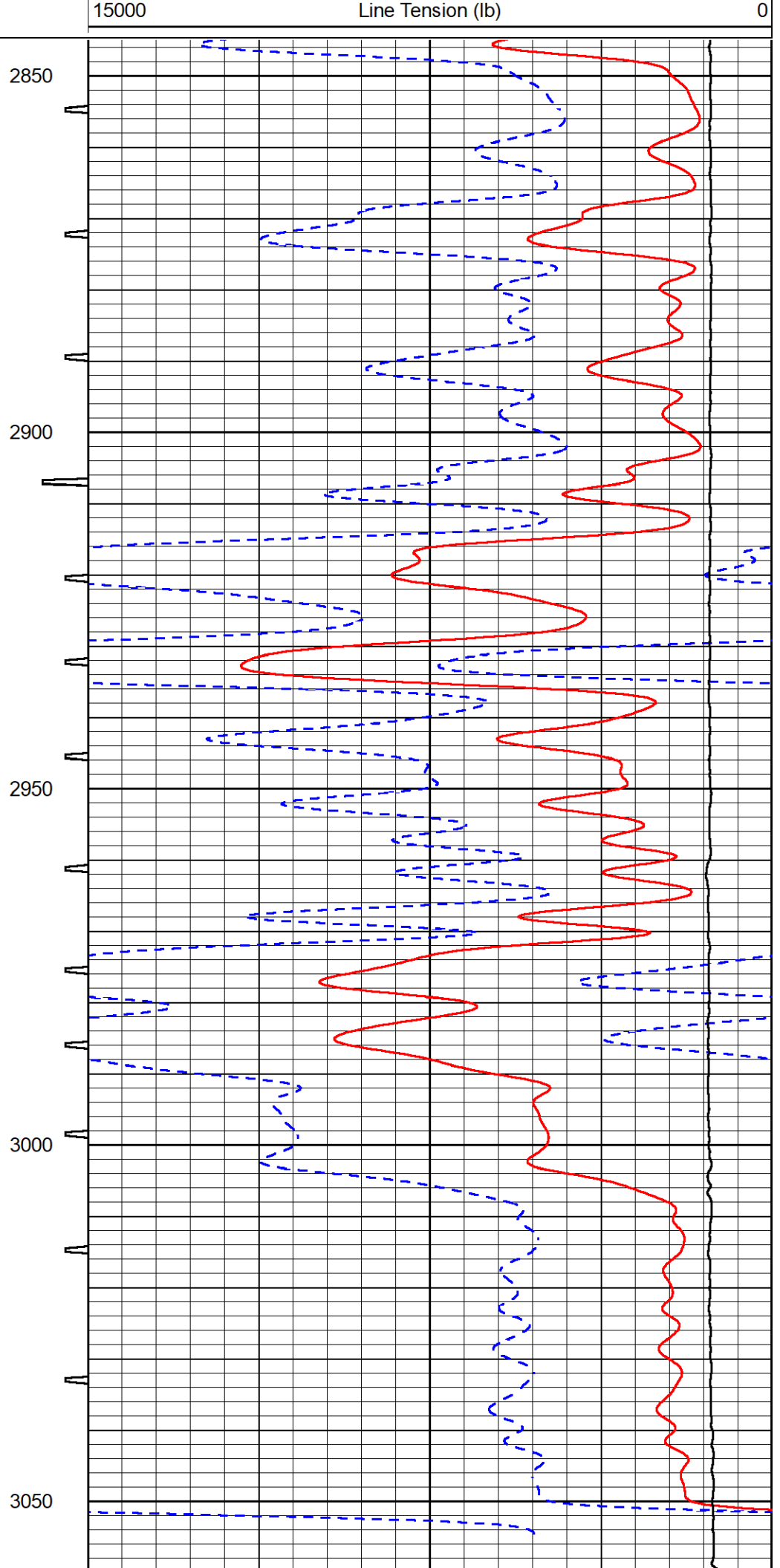
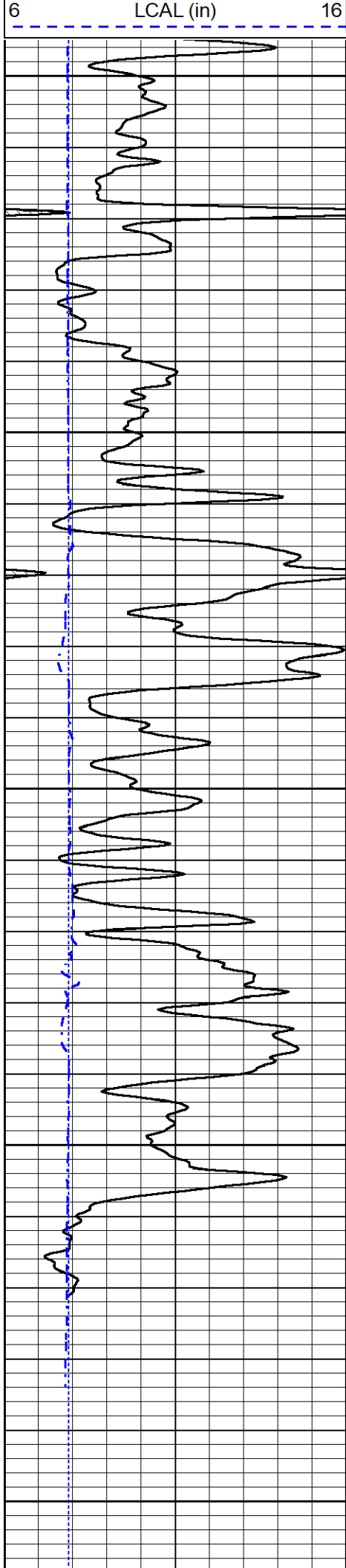
MIDWEST WIRELINE

REPEAT SECTION

REPEAT PASS

Database File lb_prochaska-rathbun unit #1.db
 Dataset Pathname StkMI/pass2.1
 Presentation Format _sonic
 Dataset Creation Thu Aug 24 09:10:04 2023
 Charted by Depth in Feet scaled 1:240

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150	GR (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu) (pu)	-10



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	Field	Ellsworth
	County	Ellsworth
	State	Kansas