



MIDWEST WIRELINE

BOREHOLE COMPENSATED SONIC

Company Satchell Creek Petroleum LLC
Well Winchester A #5-22
Field Alda South
County Graham **State** Kansas

Company Satchell Creek Petroleum LLC
Well Winchester A #5-22
Field Alda South
County Graham
State Kansas

Location: API #: 15-065-24258-00-00
 E2 NW/NW/SW
 2310 FSL & 484 FWL
 SEC 22 TWP 7S RGE 22W
Permanent Datum Ground Level Elevation 2270
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing
 Other Services: CNL/CDL MEL/DIL
 K.B. 2277
 D.F. G.L. 2270

Date	6/19/2023						
Run Number	One						
Type Log	BHCS						
Depth Driller	3841						
Depth Logger	3835						
Bottom Logged Interval	3823						
Top Logged Interval	250						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	900						
Density	9.1						
Level	Full						
Max. Rec. Temp. F	114						
Operating Rig Time	4 Hours						
Equipment -- Location	P-24 Hays						
Recorded By	T. Martin						
Witnessed By	Sean Deenihan						
Borehole Record							
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	265	8.625	23	00	265
Two	7.875	265	TD				
Casing Record							

<<< 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.

Hill City, KS, 3 E to Rd 310, 3.5 N, E & S into

Log Measured From: Kelly Bushing 7 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: Sean Deenihan Secondary Witness: Secondary Witness: Secondary Witness:
---	---

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CENT-PENGO (3-PENGO)	4.25	3.00	70.00
WVF4 WVF1	12.25 12.25		SLT-PENGO (601) 3 1/2 BHC Sonic	16.00	3.50	300.00
WVF3 WVF2	10.25 10.25					
			CENT-PENGO (4-PENGO)	4.25	3.00	70.00

Dataset: satchell_winchester a #5-22.db: field/well/Sonic/pass3
 Total length: 24.50 ft
 Total weight: 440.00 lb
 O.D.: 3.50 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\satchell_winchester a #5-22.db
 Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	114	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	No	-5	-2.5	20	70	Off	3835

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

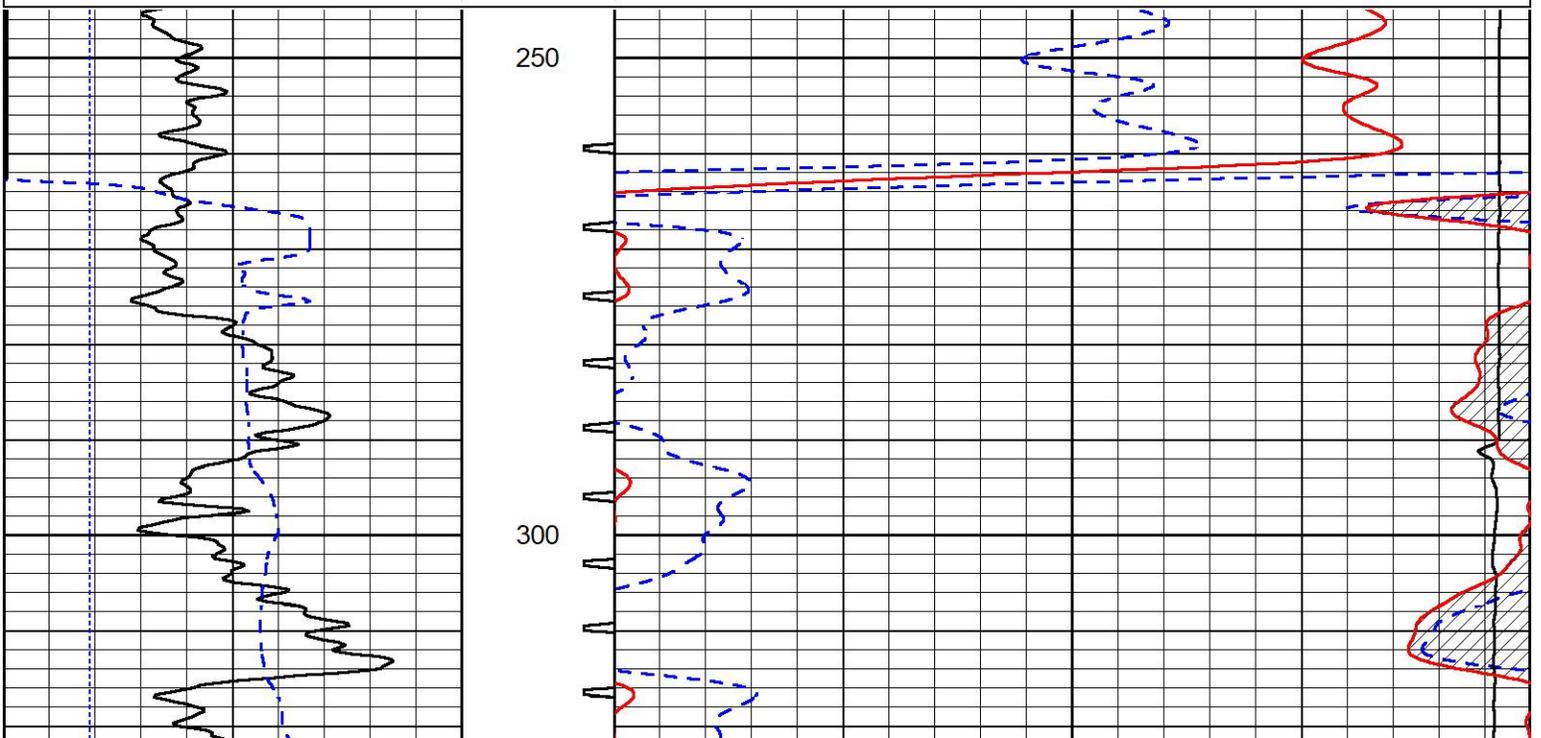


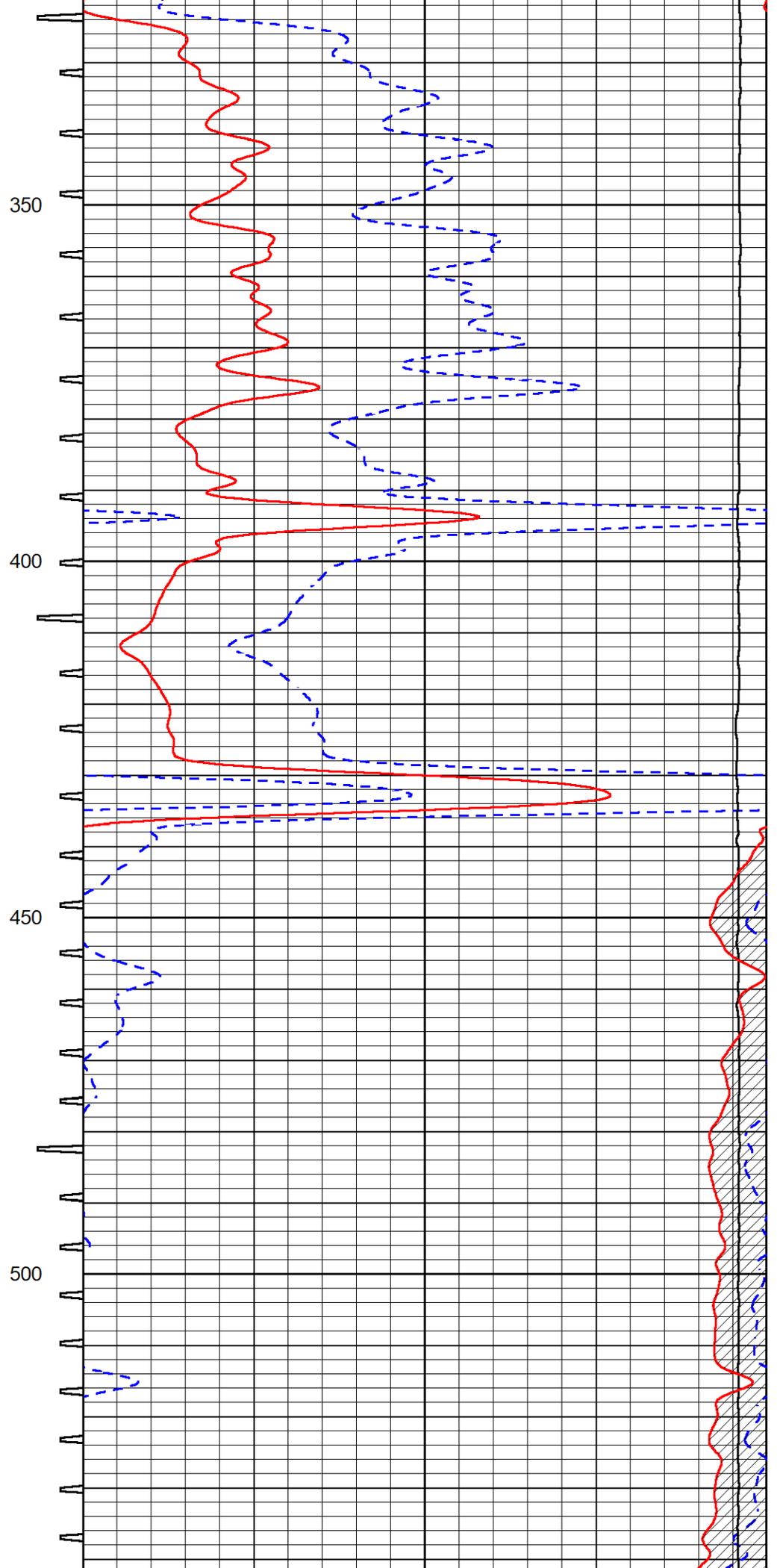
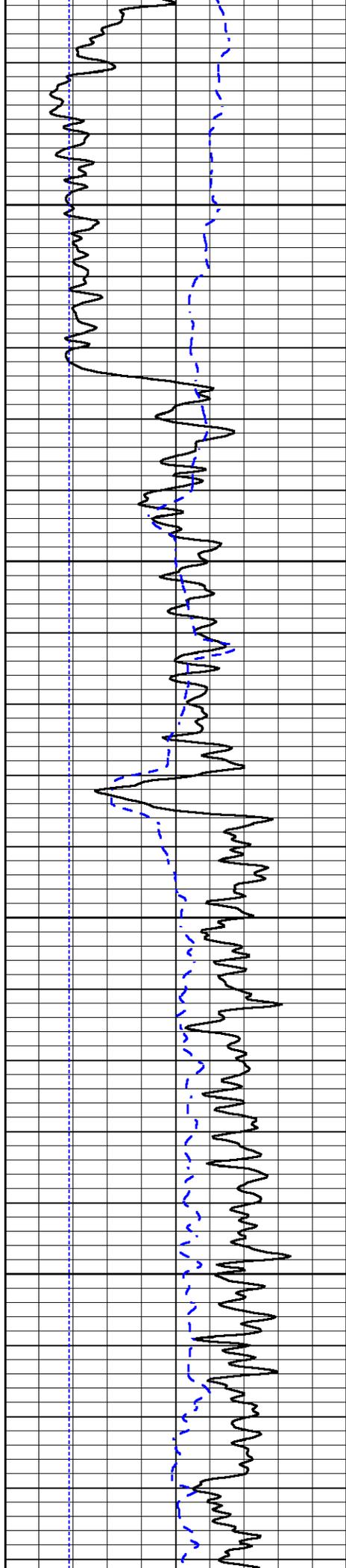
DETAIL SECTION

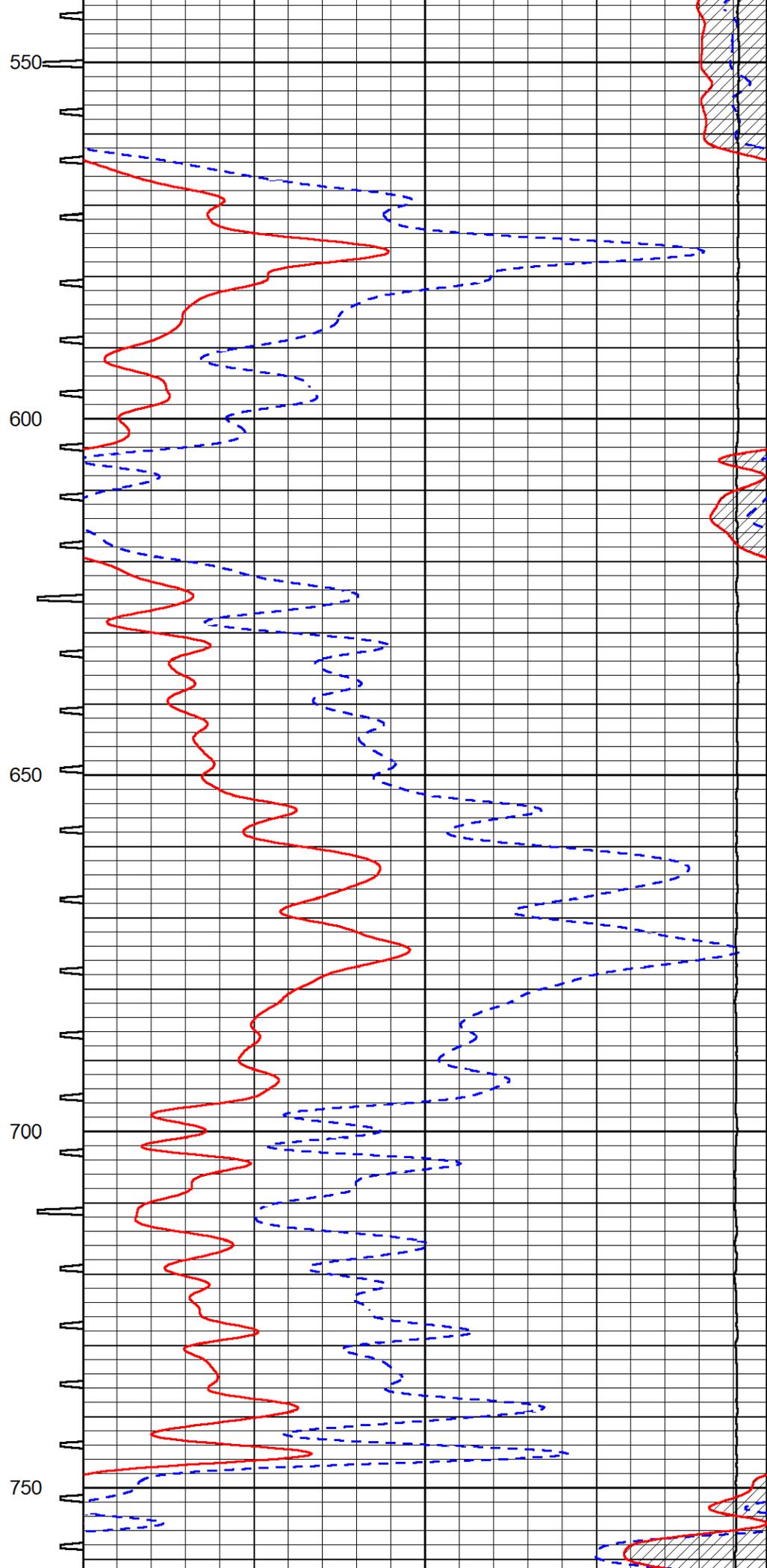
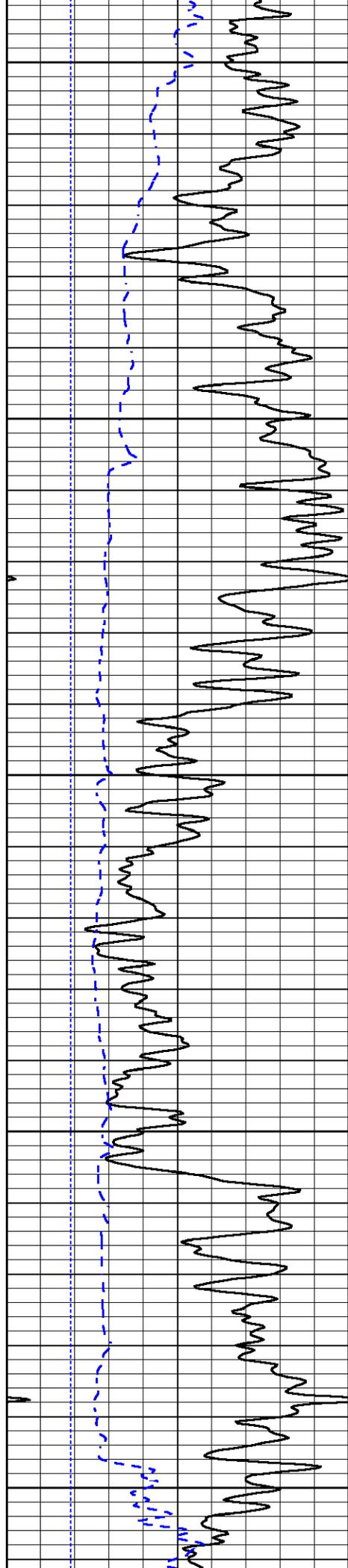
MAIN PASS

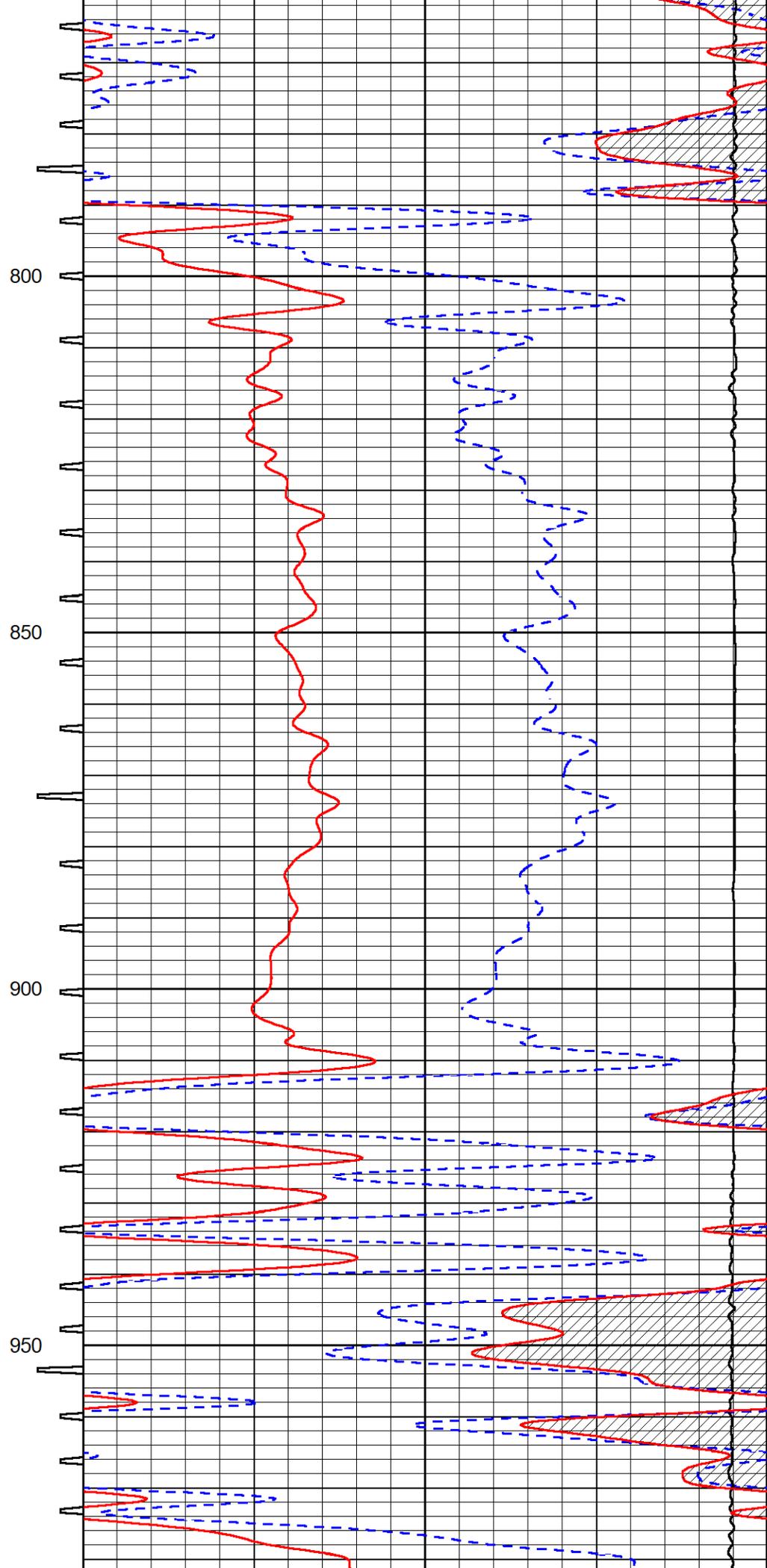
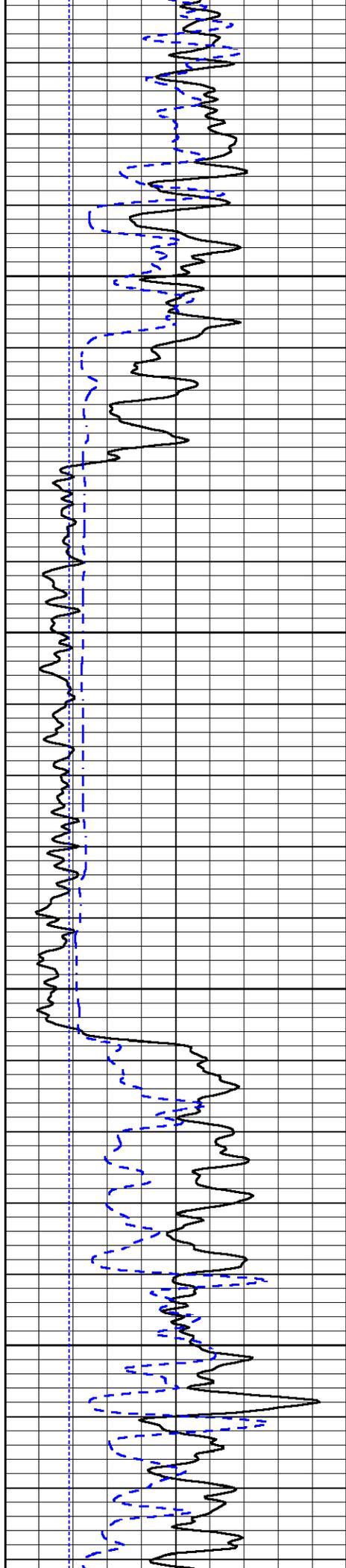
Database File satchell_winchester a #5-22.db
 Dataset Pathname StkMI/pass3.1
 Presentation Format _sonic
 Dataset Creation Mon Jun 19 04:36:21 2023
 Charted by Depth in Feet scaled 1:240

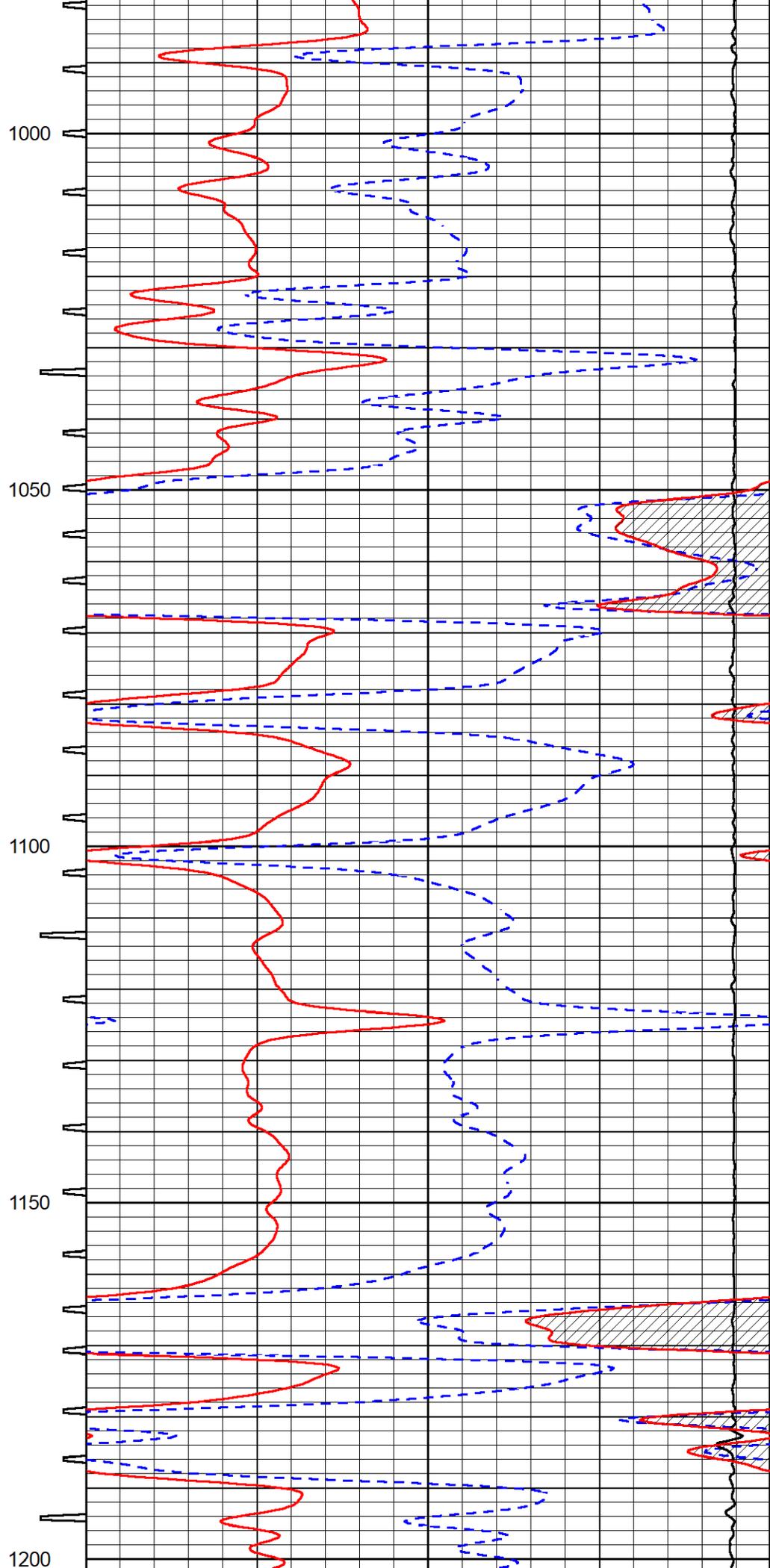
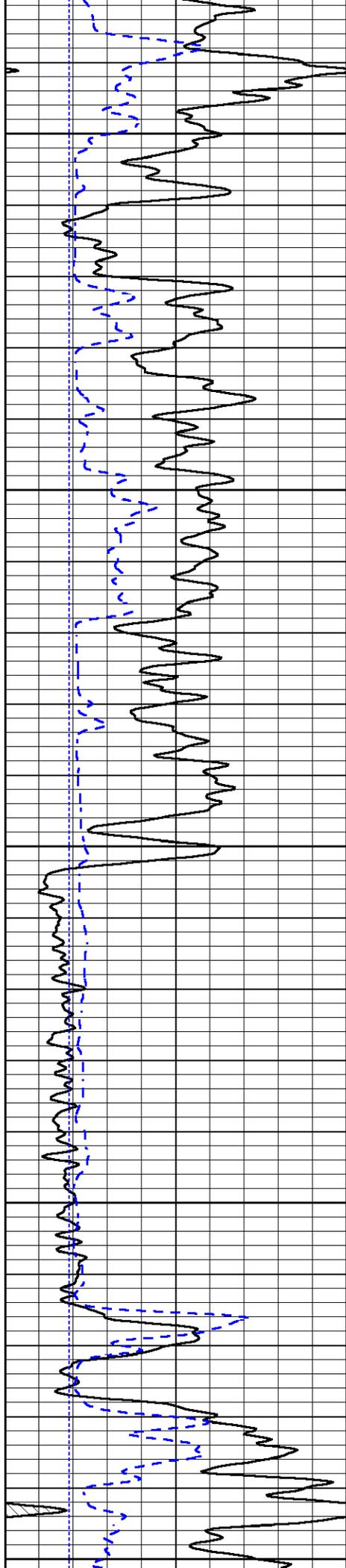
0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	GR (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu) (pu)	-10
6	Caliper (in)	16		15000	Line Tension (lb)	0

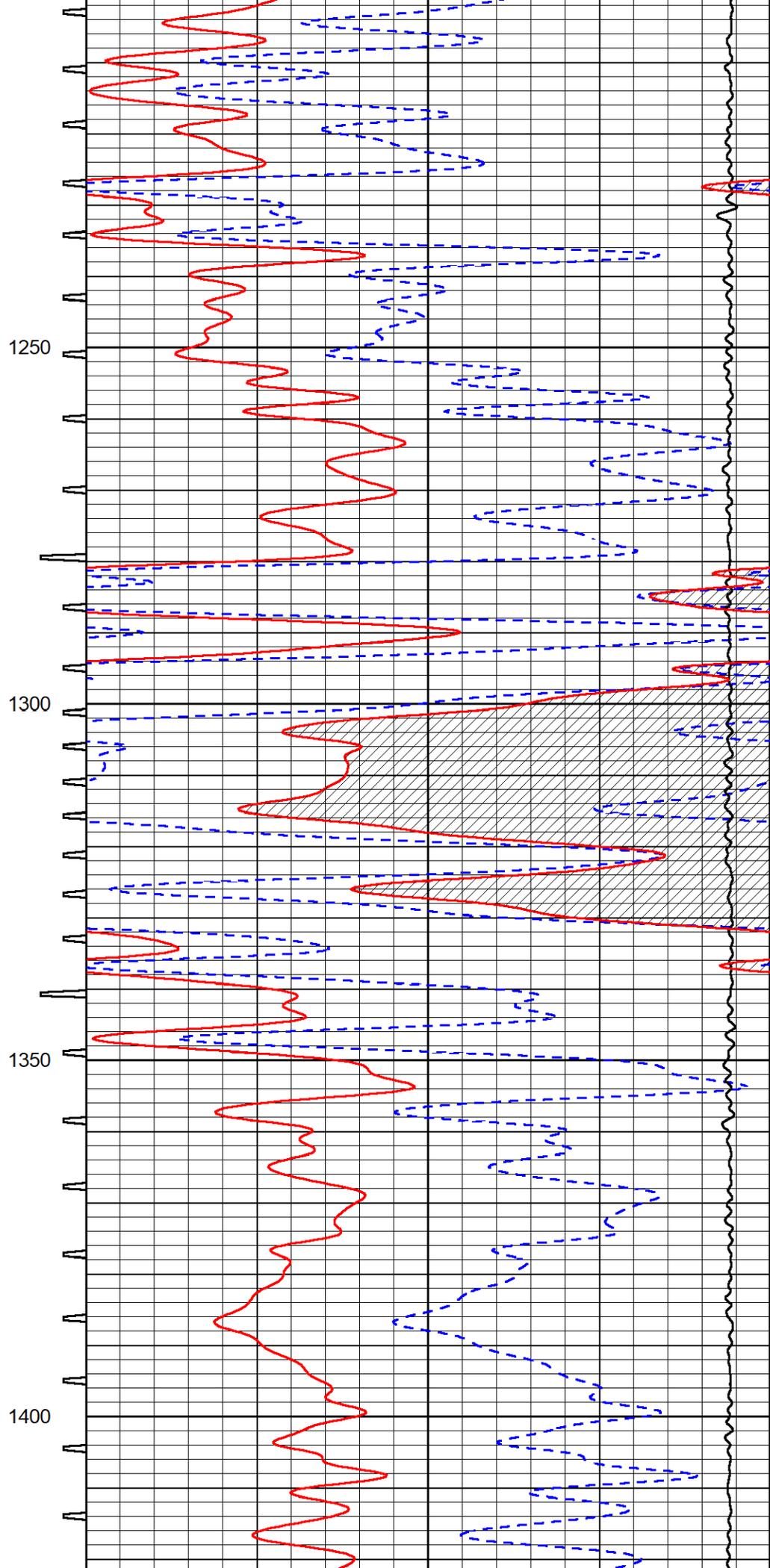
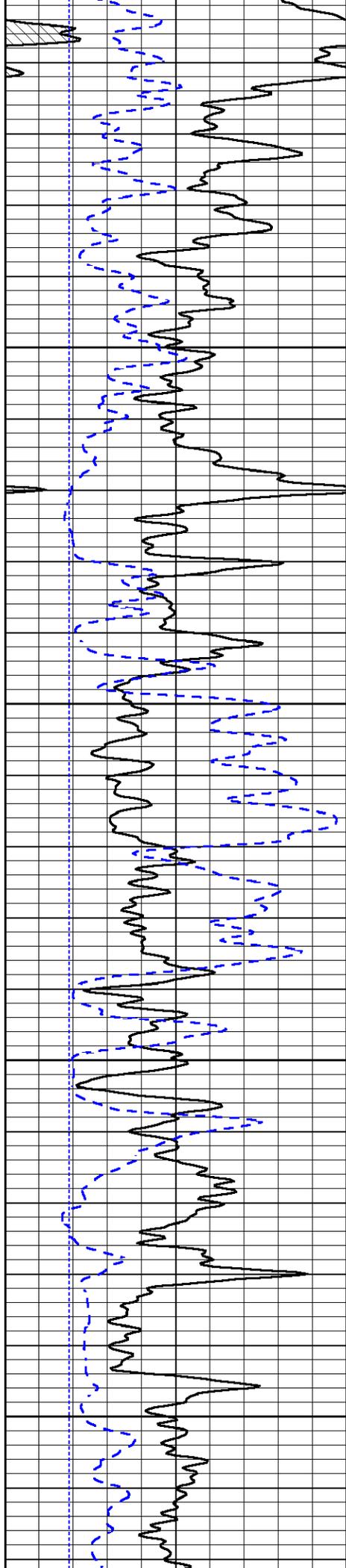


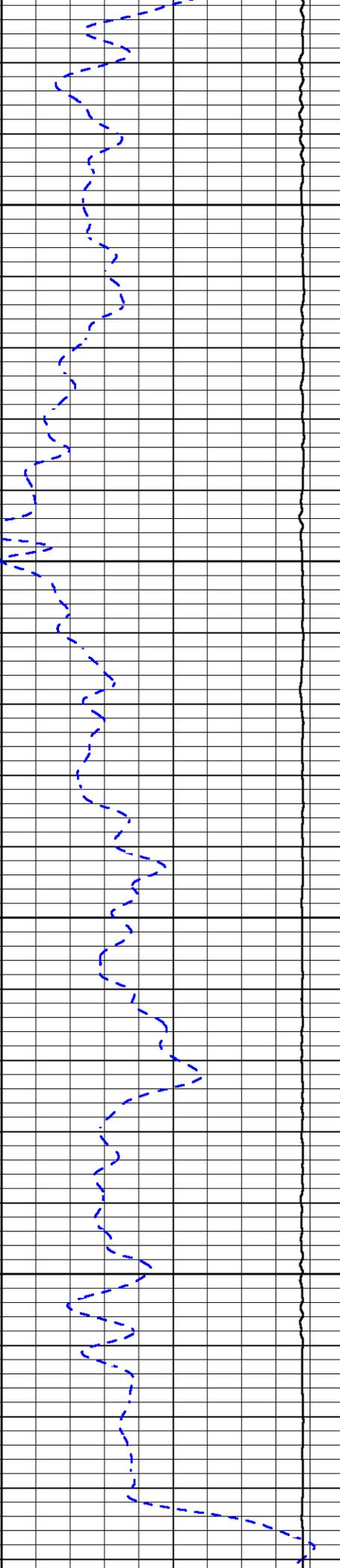
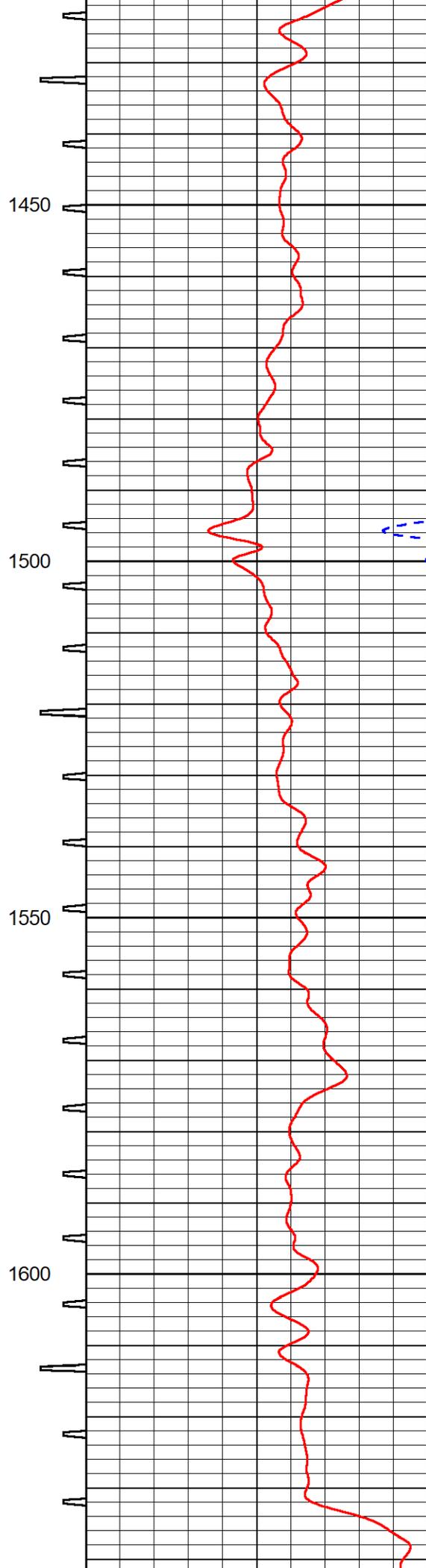
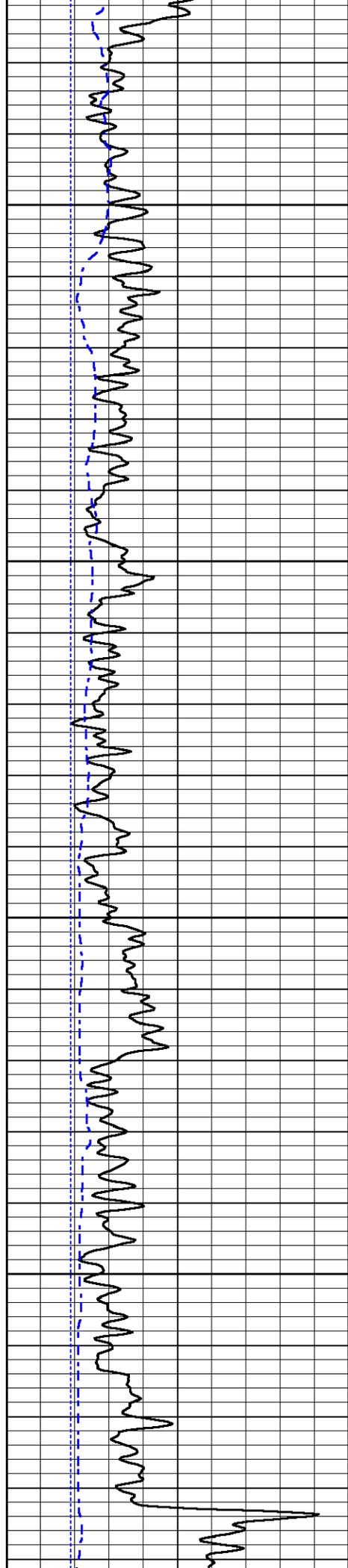


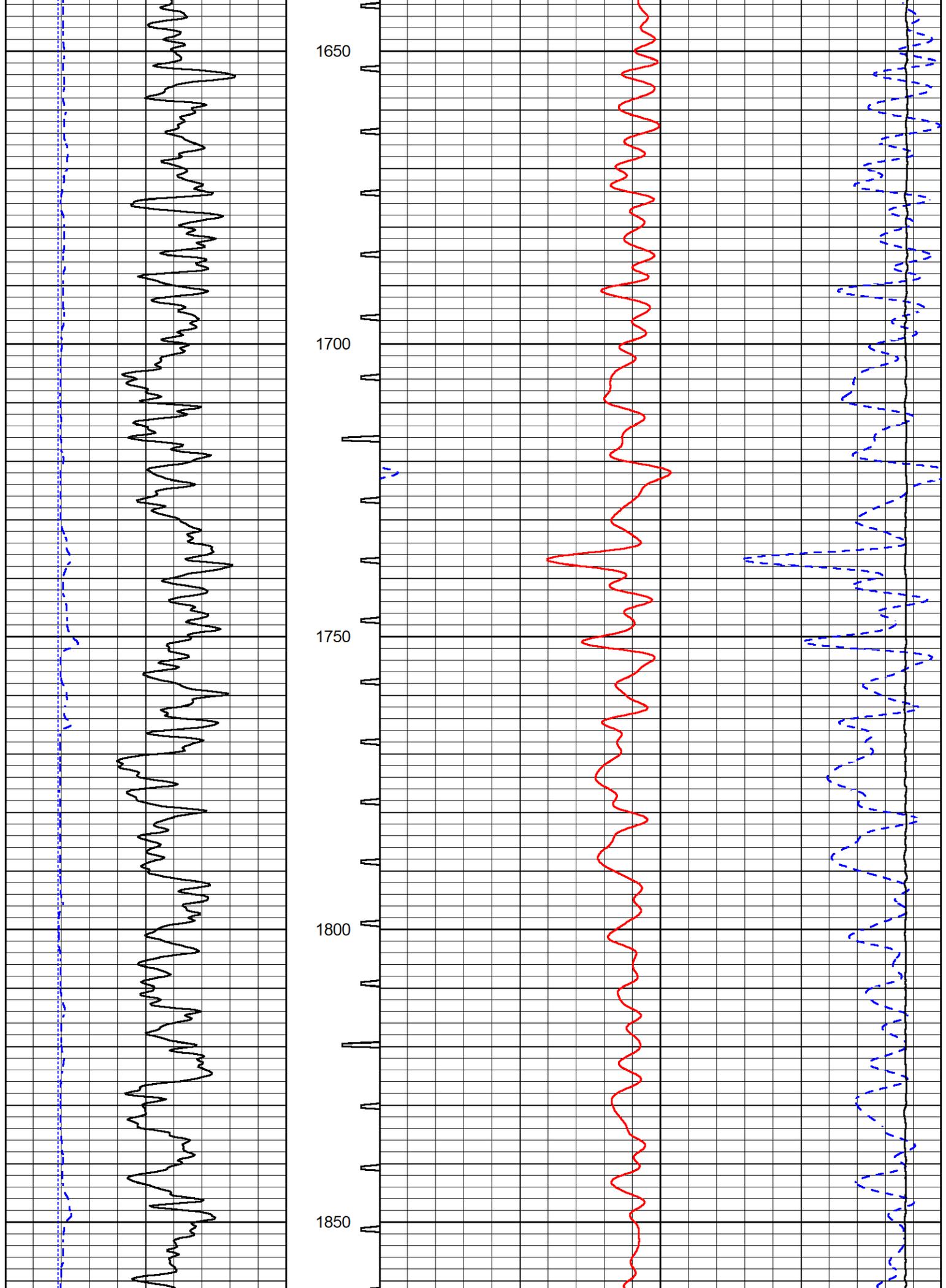


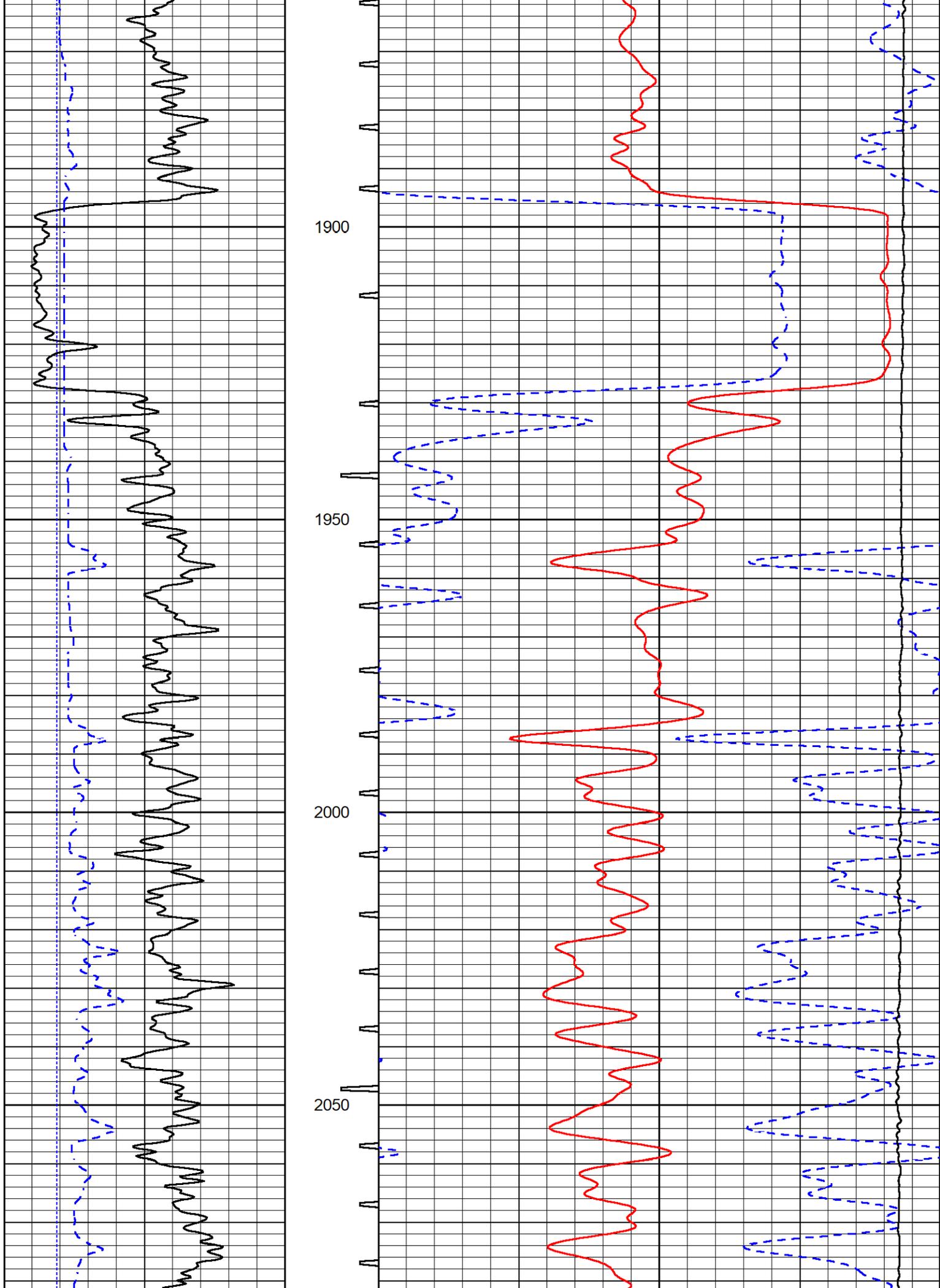


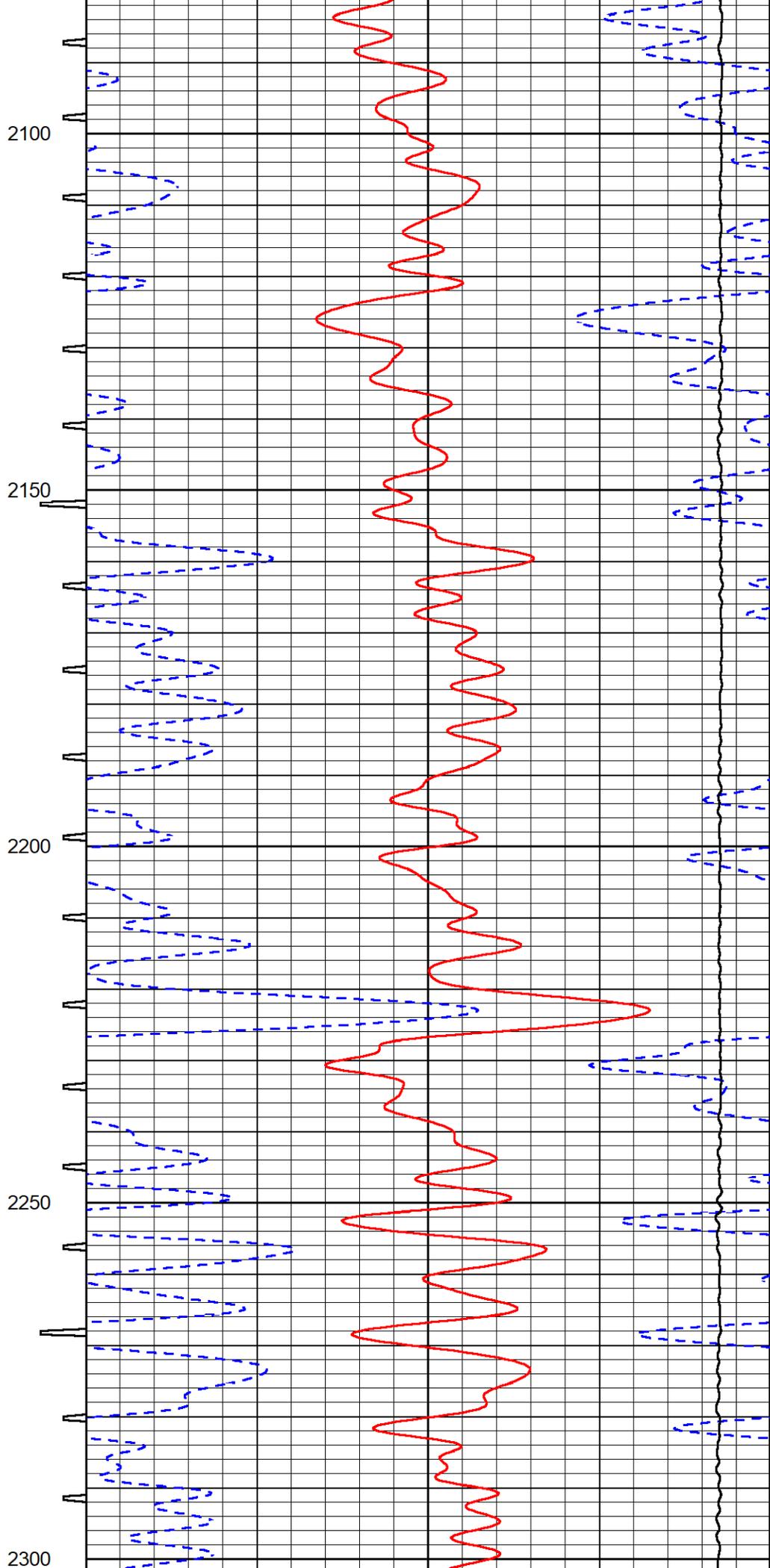
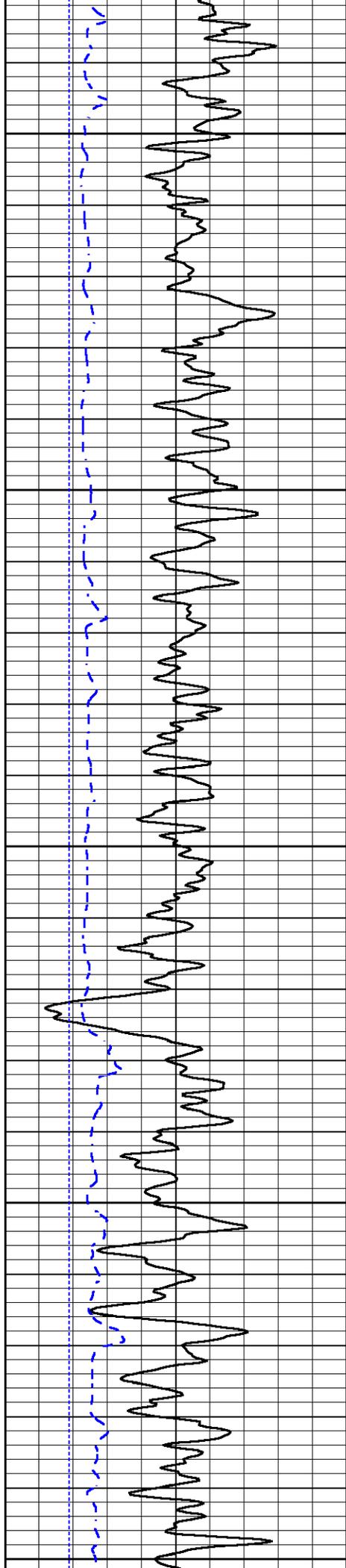


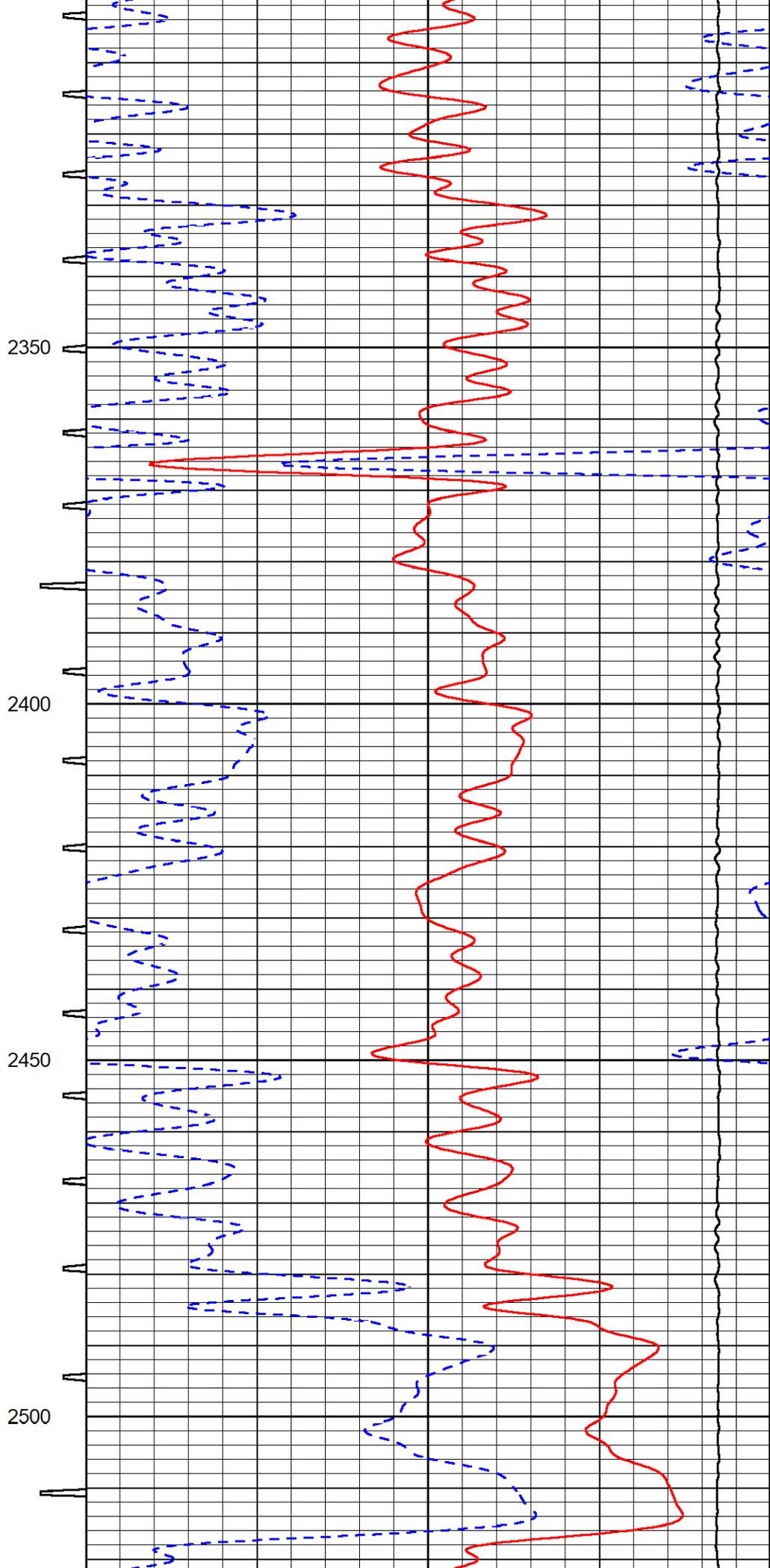
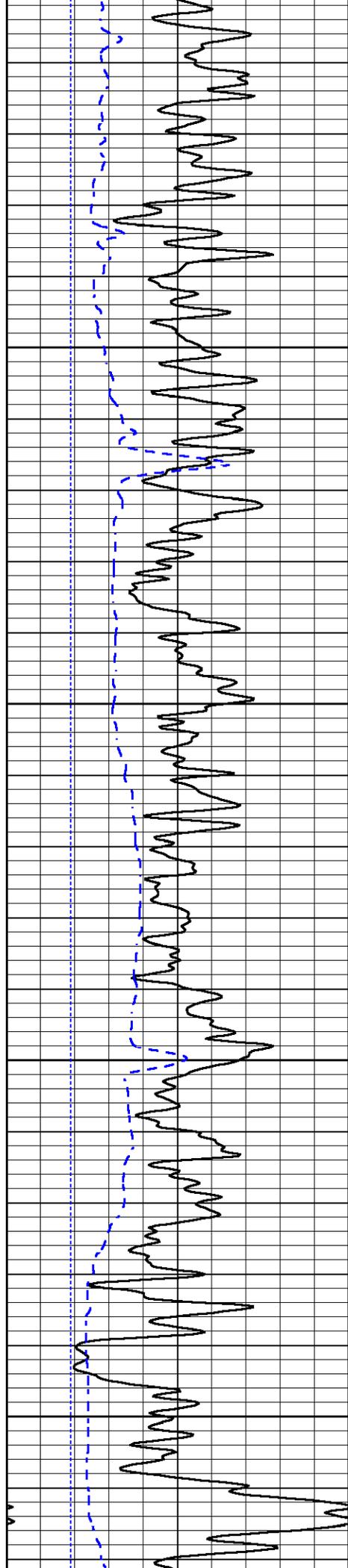


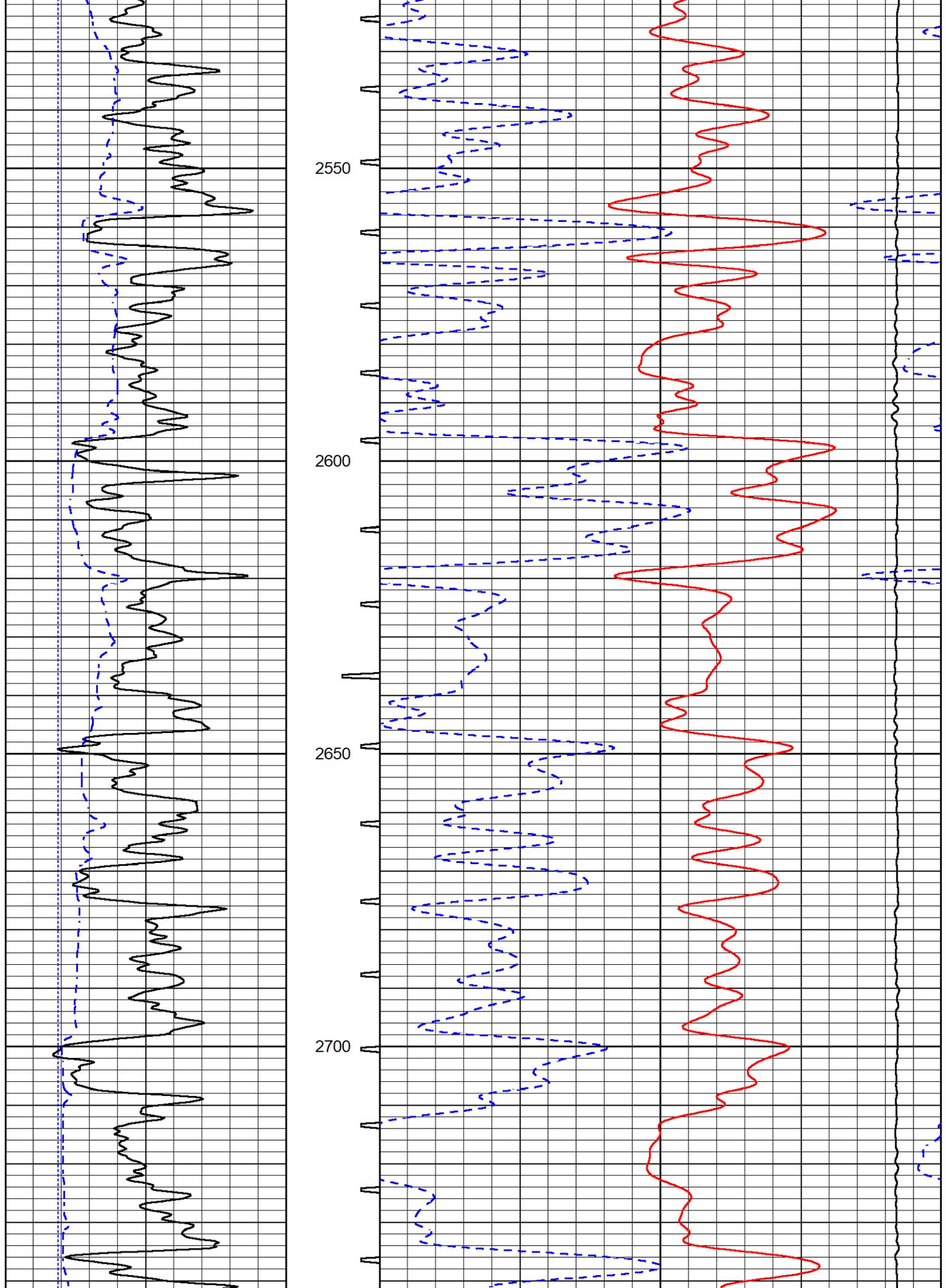


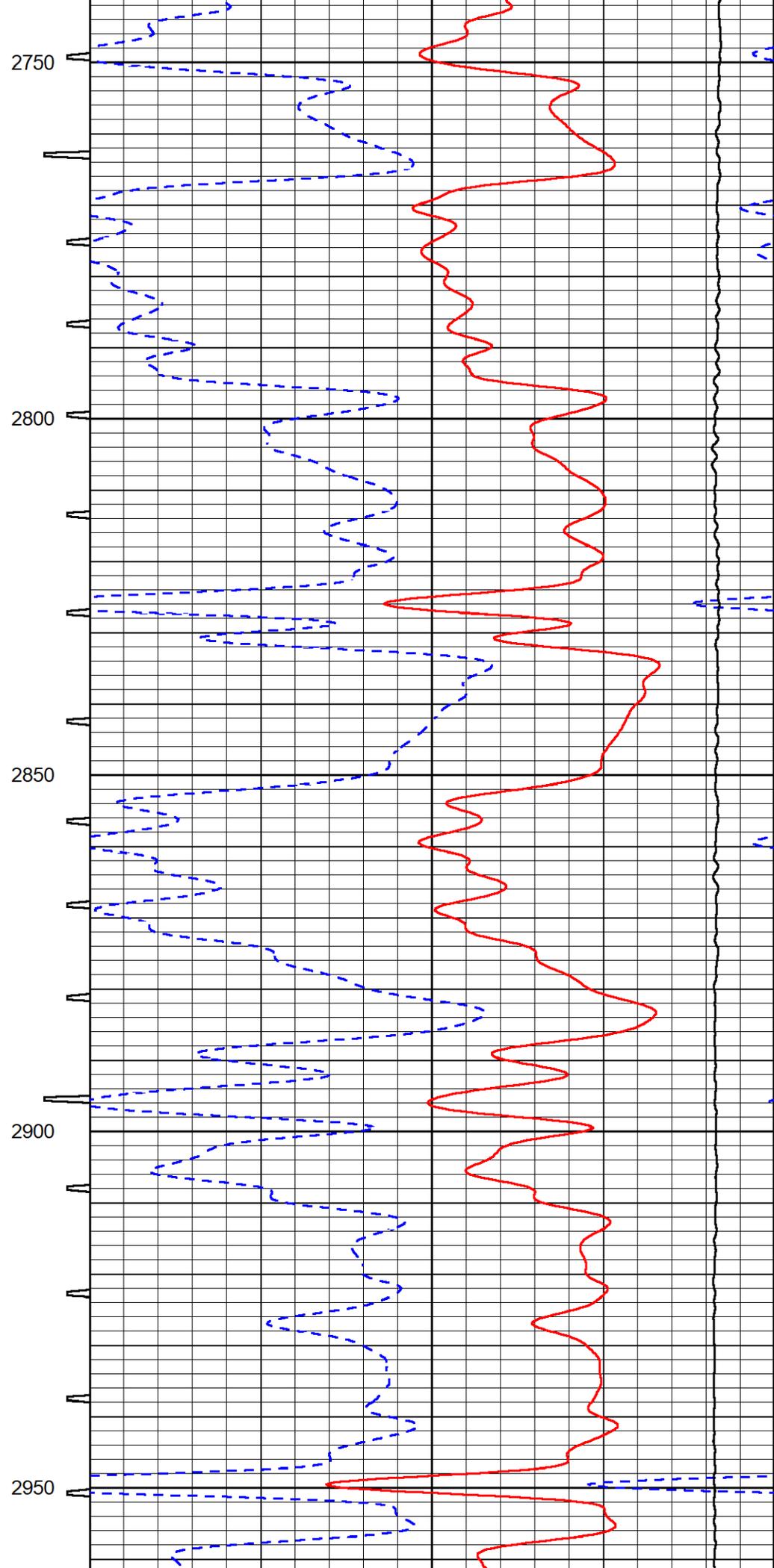
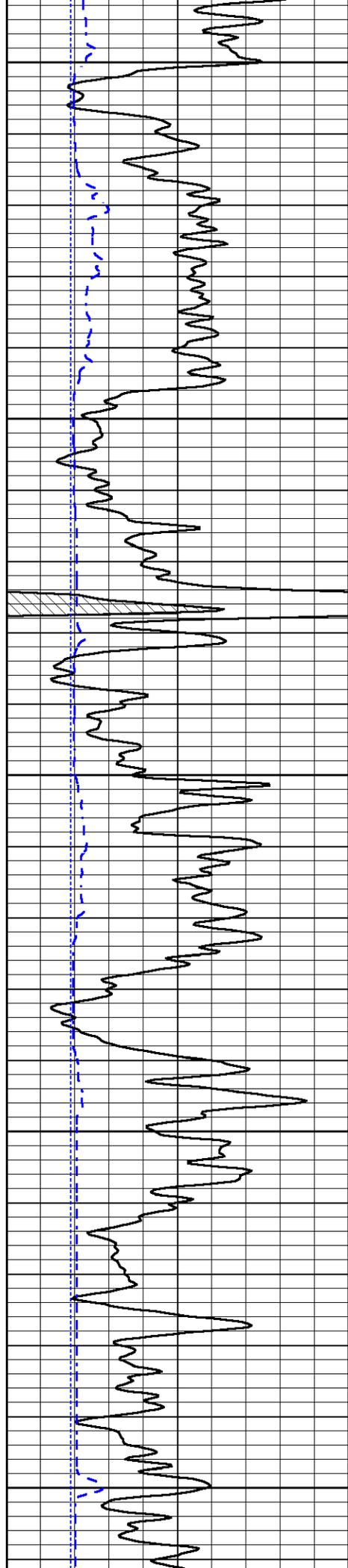


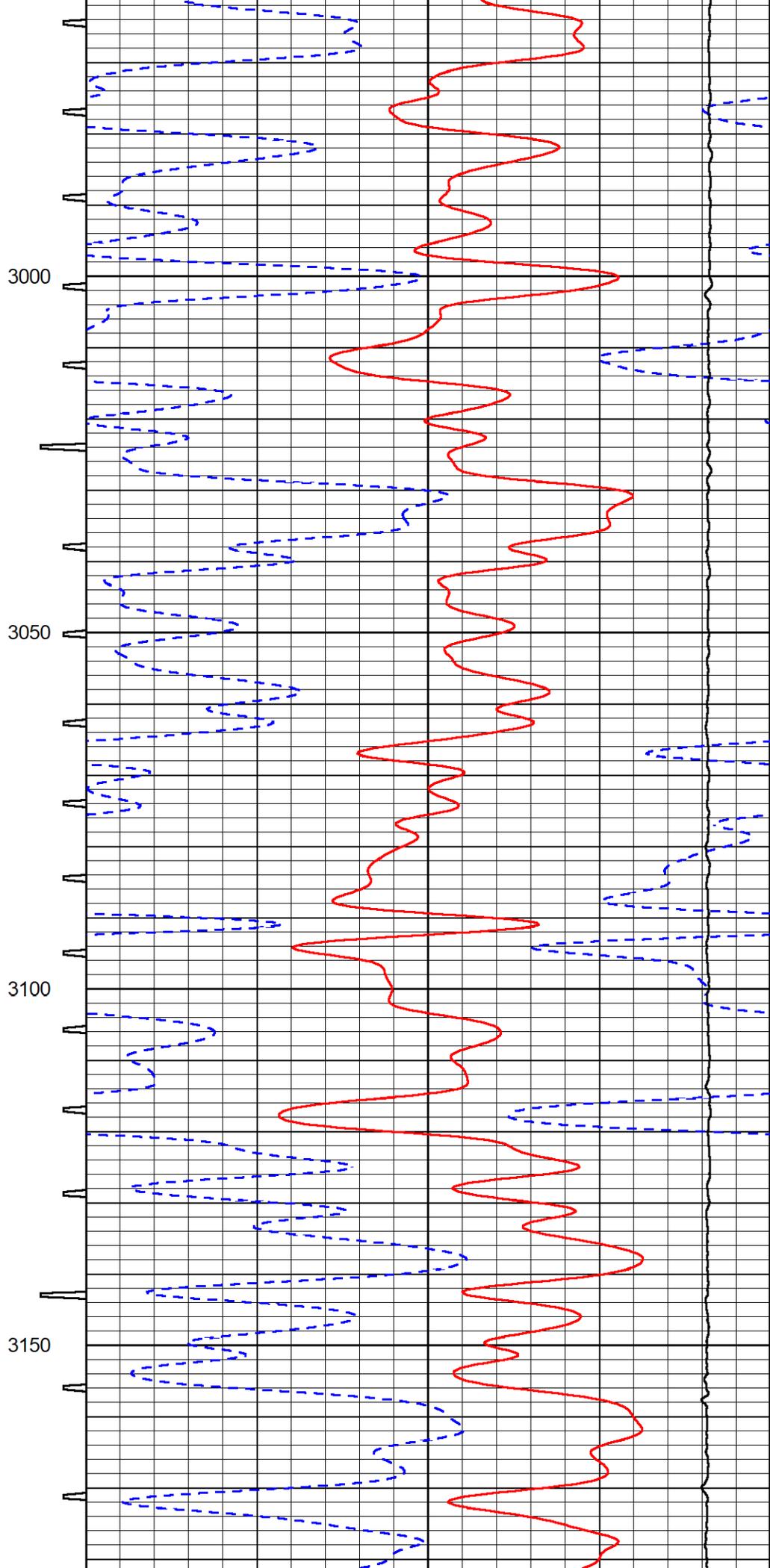
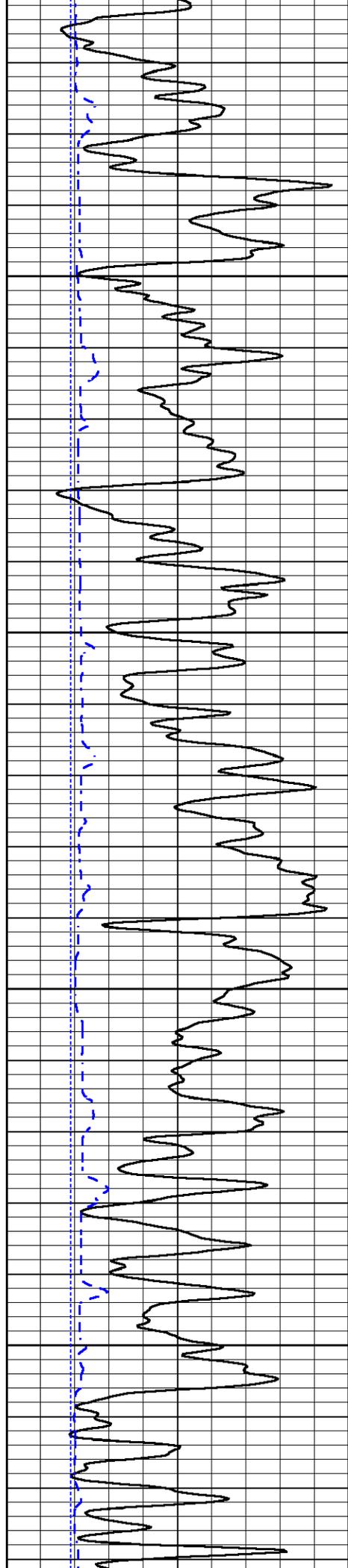


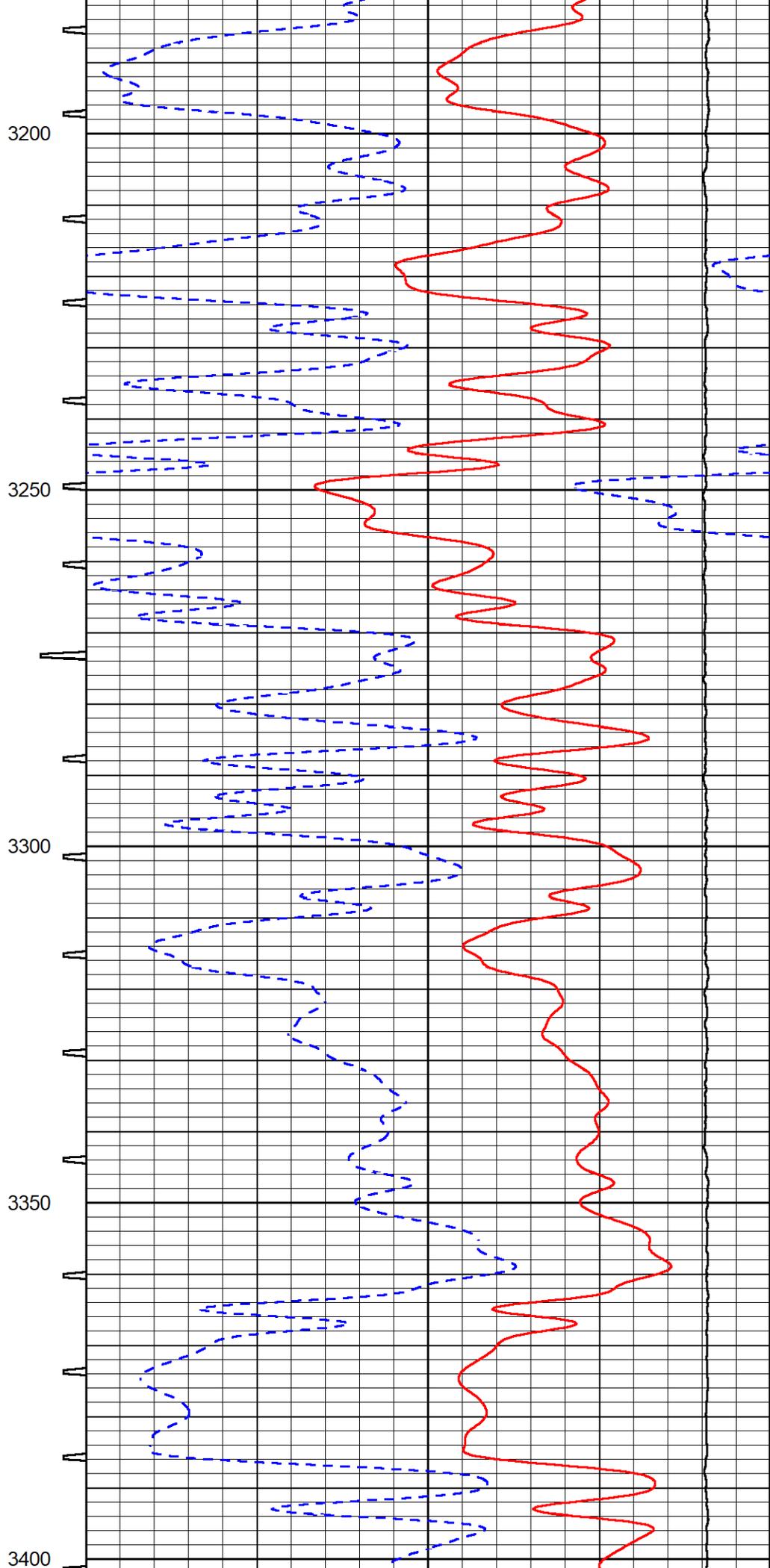
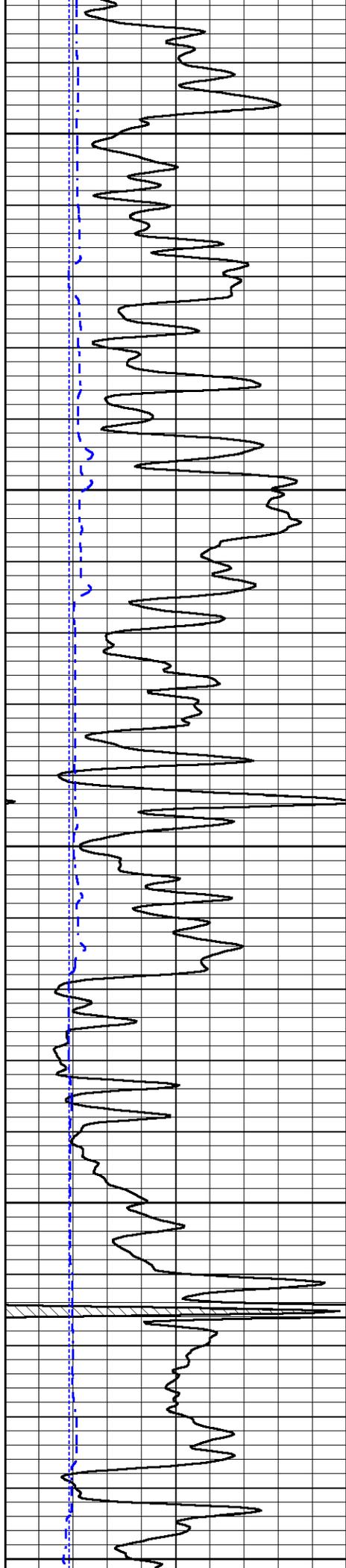


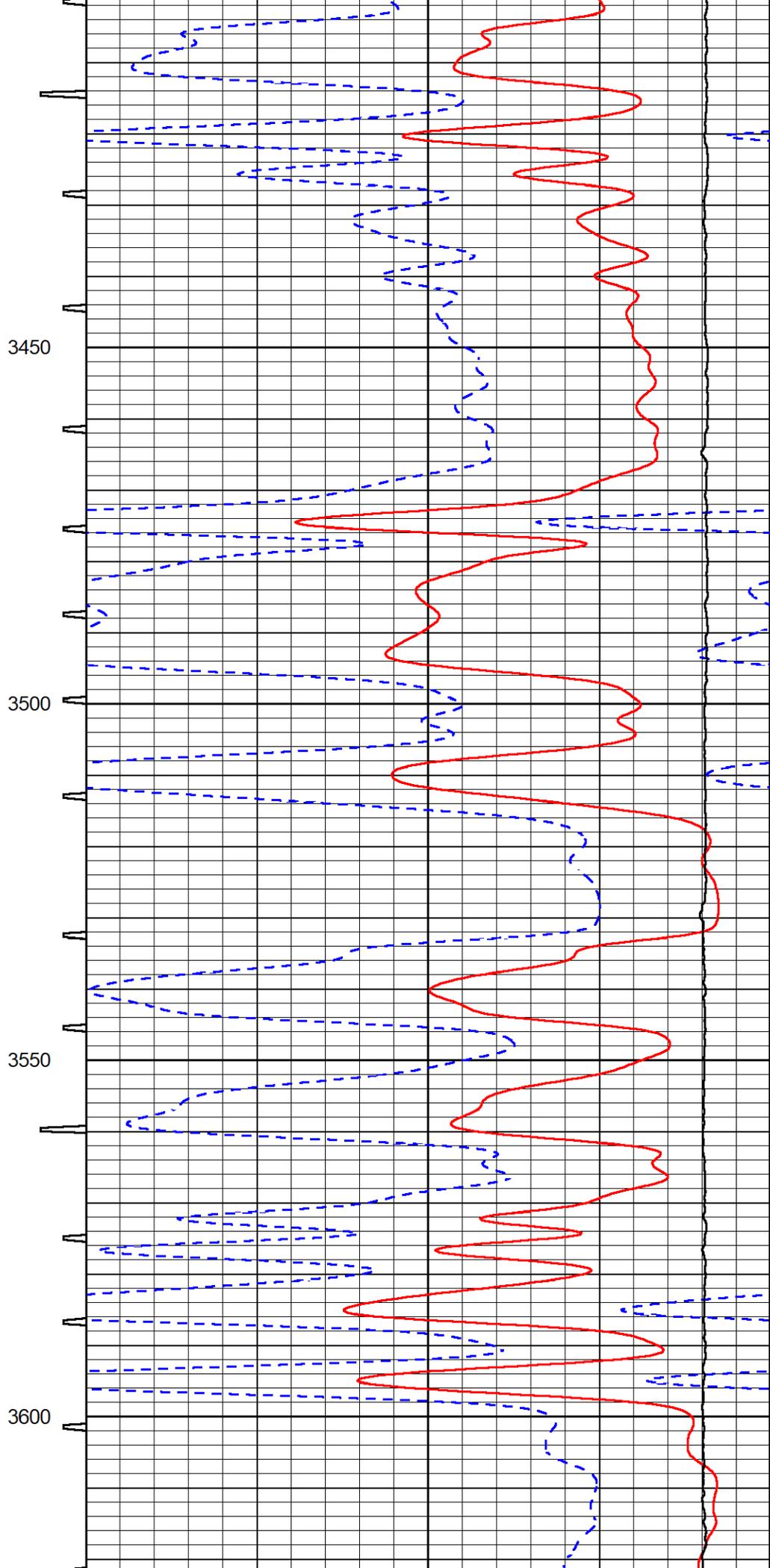
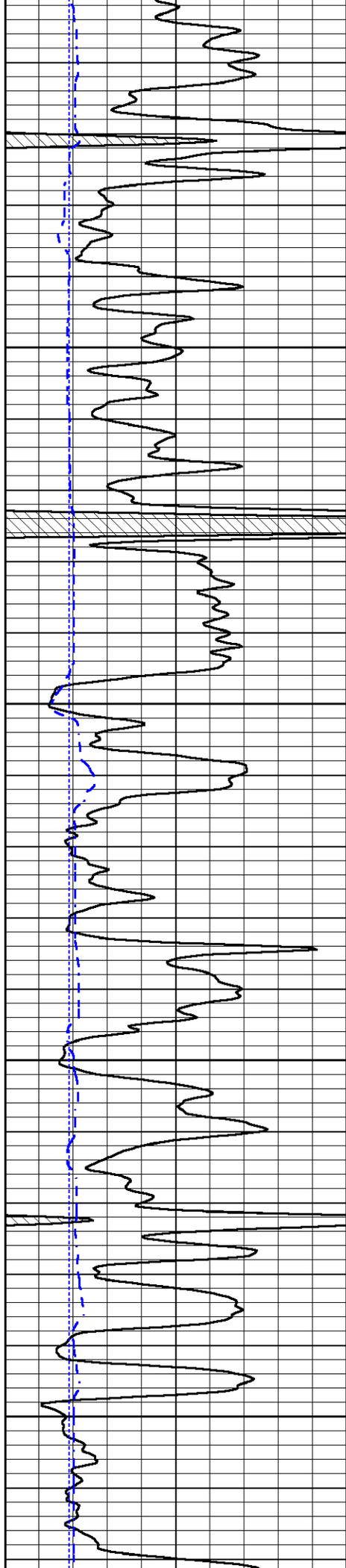


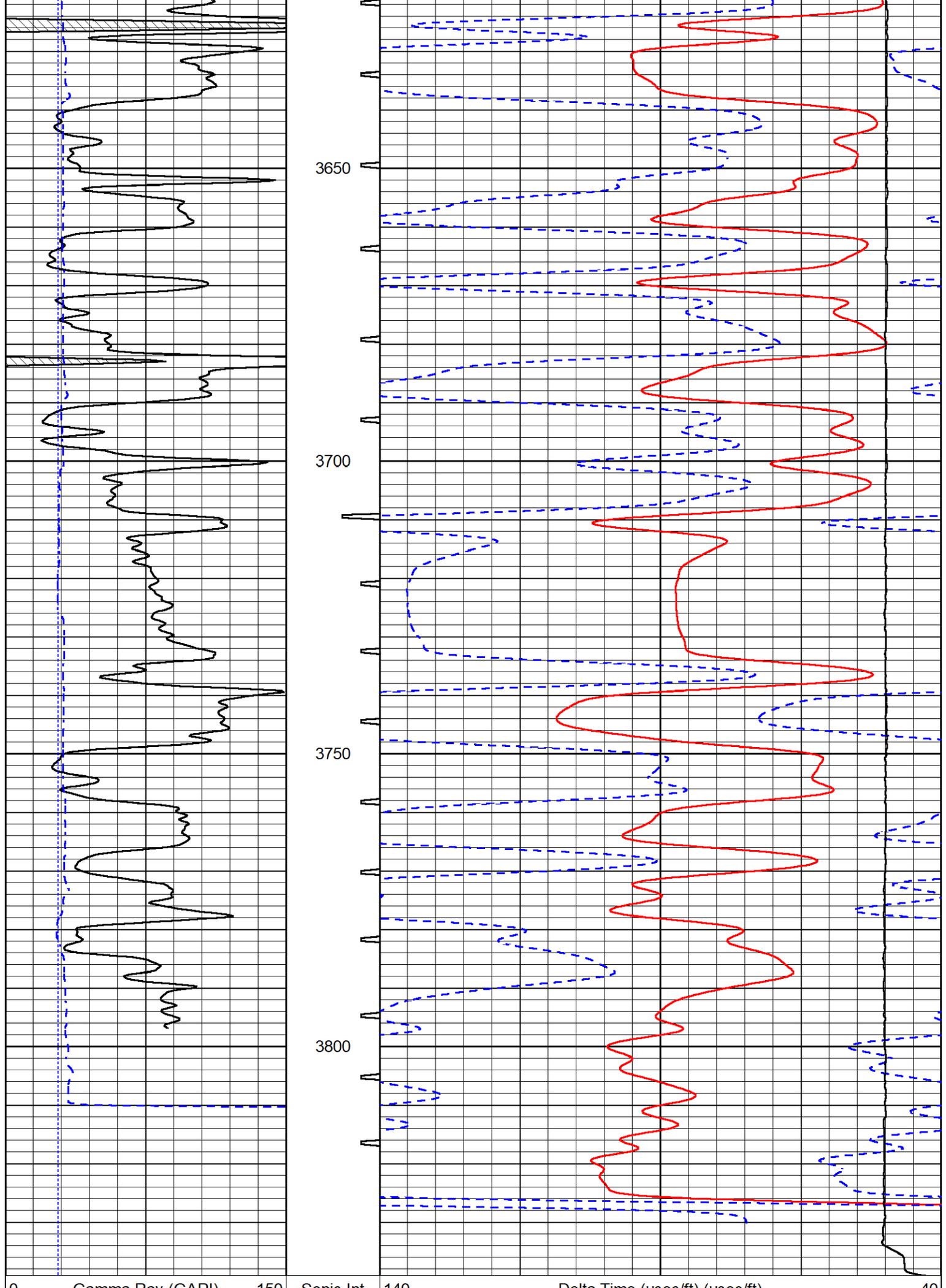












0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	GR (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu) (pu)	-10
6	Caliper (in)	16		15000	Line Tension (lb)	0



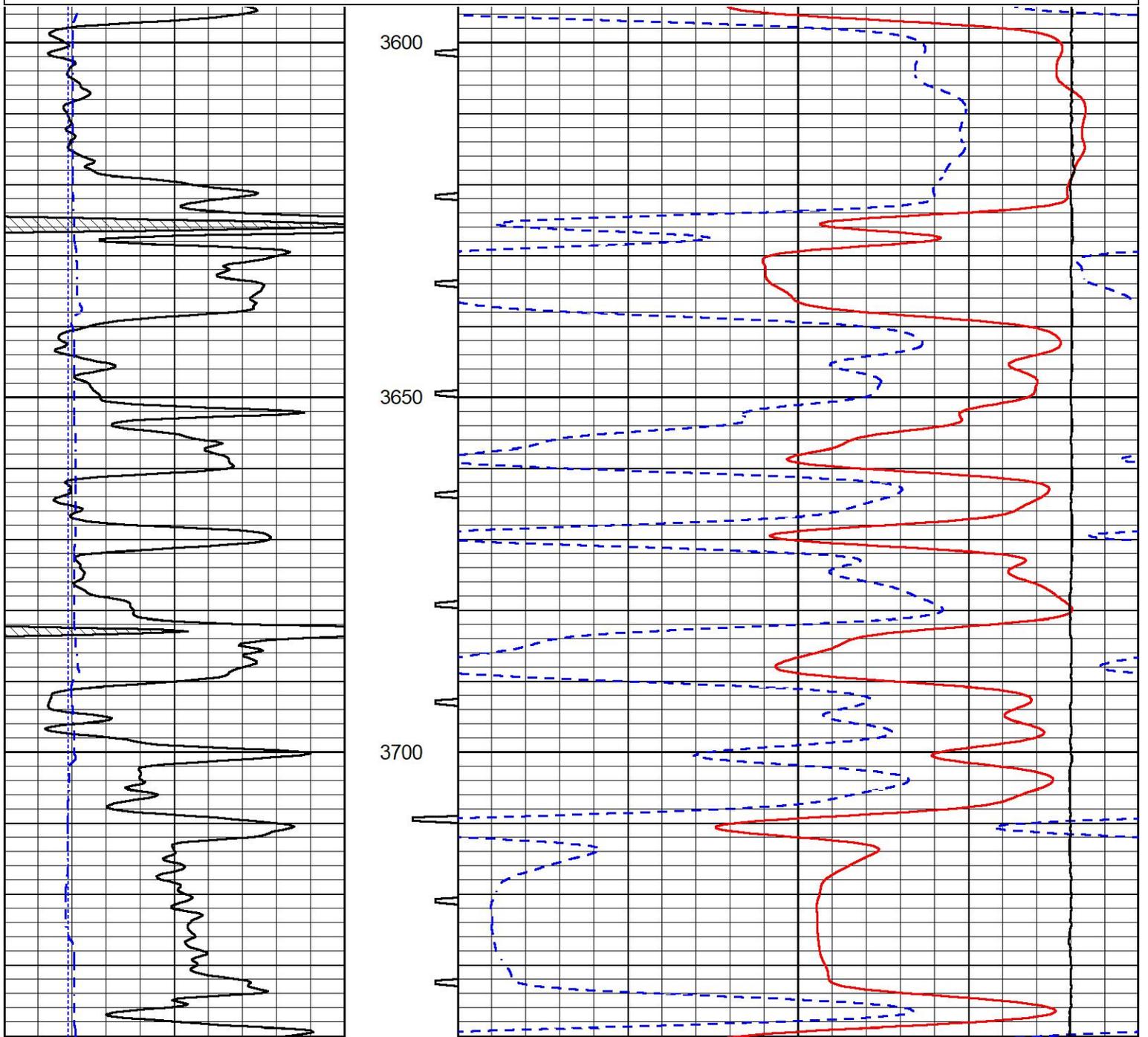
MIDWEST WIRELINE

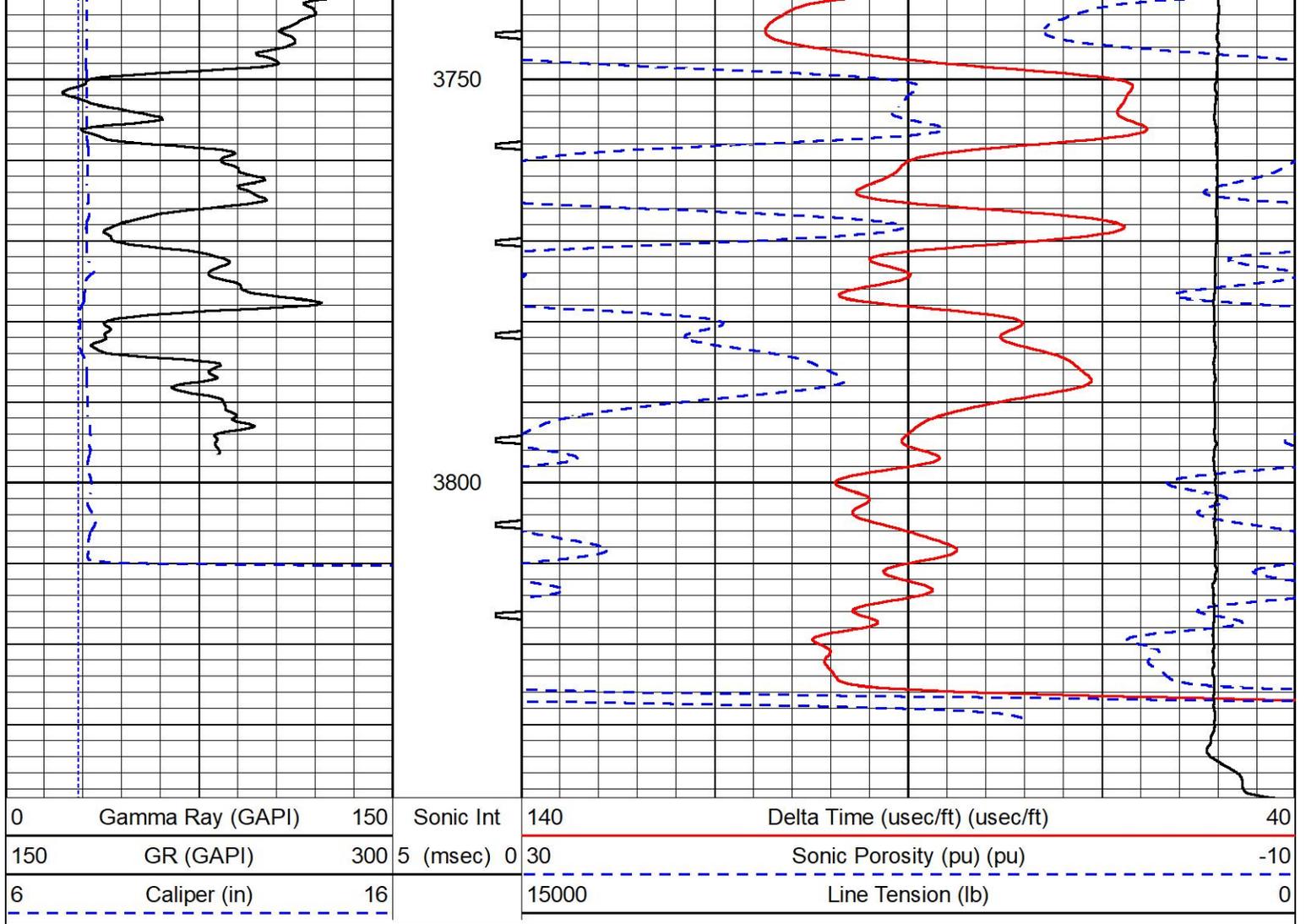
REPEAT SECTION

REPEAT PASS

Database File satchell_winchester a #5-22.db
 Dataset Pathname StkMI/pass2.1
 Presentation Format _sonic
 Dataset Creation Mon Jun 19 03:59:45 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	Caliper (in)	16		15000	Line Tension (lb)	0





Company Satchell Creek Petroleum LLC
Well Winchester A #5-22
Field Alda South
County Graham
State Kansas