



MIDWEST WIRELINE

BOREHOLE COMPENSATED SONIC LOG

Company MG Oil, Inc.
Well Lawrence Unit #15-2
Field N&J
County Lane **State** Kansas

Company MG Oil, Inc.
 Well Lawrence Unit #15-2
 Field N&J
 County Lane
 State Kansas

Location: API #: 15-101-22659-00-00
 SE SE SE NW
 2400 FNL & 2453 FWL
 SEC 15 TWP 16S RGE 28W
 Permanent Datum Ground Level Elevation 2576
 Log Measured From Kelly Bushing
 Drilling Measured From Kelly Bushing
 Other Services
 CNL/CDL
 MEL/DIL
 K.B. 2584
 D.F.
 G.L. 2576

Date	10/25/2021						
Run Number	Two						
Type Log	BHCS						
Depth Driller	4510						
Depth Logger	4509						
Bottom Logged Interval	4498						
Top Logged Interval	250						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	2300						
Density	9.3						
Level	Full						
Max. Rec. Temp. F	121						
Operating Rig Time	4 Hours						
Equipment -- Location	P-108 HAYS						
Recorded By	T. Martin						
Witnessed By	Chad Counts						
Borehole Record							
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	264	8.625	23#	00	264
Two	7.875	264	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

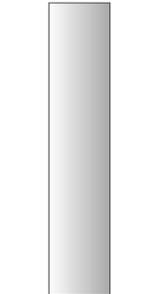
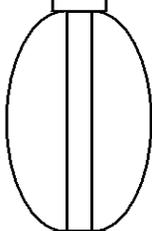
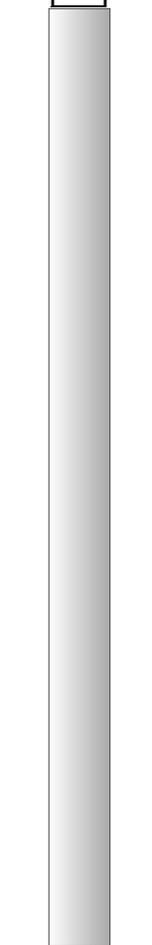
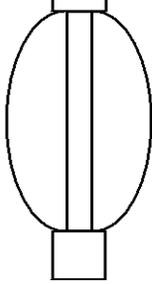
N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Shields, KS, E side, N on Laredo Rd to 280th
1.5 E to Newton Rd, S & E into

Log Measured From: Kelly Bushing 8 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew	This Log Record Was Witnessed By
Engineer: T. Martin	Primary Witness: Chad Counts
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
MCAL MI MN	28.00 28.00 28.00		ML-Armadillo (Armadillo-1) Pengo micro log tool mandrel with Armadillo Electronics	5.00	3.50	100.00
			CENT-PENGO	5.50	3.00	70.00
WVF4 WVF1	13.50 13.50		SLT-PENGO (0001)	16.00	3.50	300.00
WVF3 WVF2	11.50 11.50		CENT-PENGO	5.50	3.00	70.00

Dataset: mgoil_lawrence unit #15-2.db: field/well/SonMel/pass3
 Total length: 32.00 ft
 Total weight: 540.00 lb
 O.D.: 3.50 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\mgoil_lawrence unit #15-2.db
 Dataset field/well/Stack/pass3.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	121	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	650	40	Off	4509



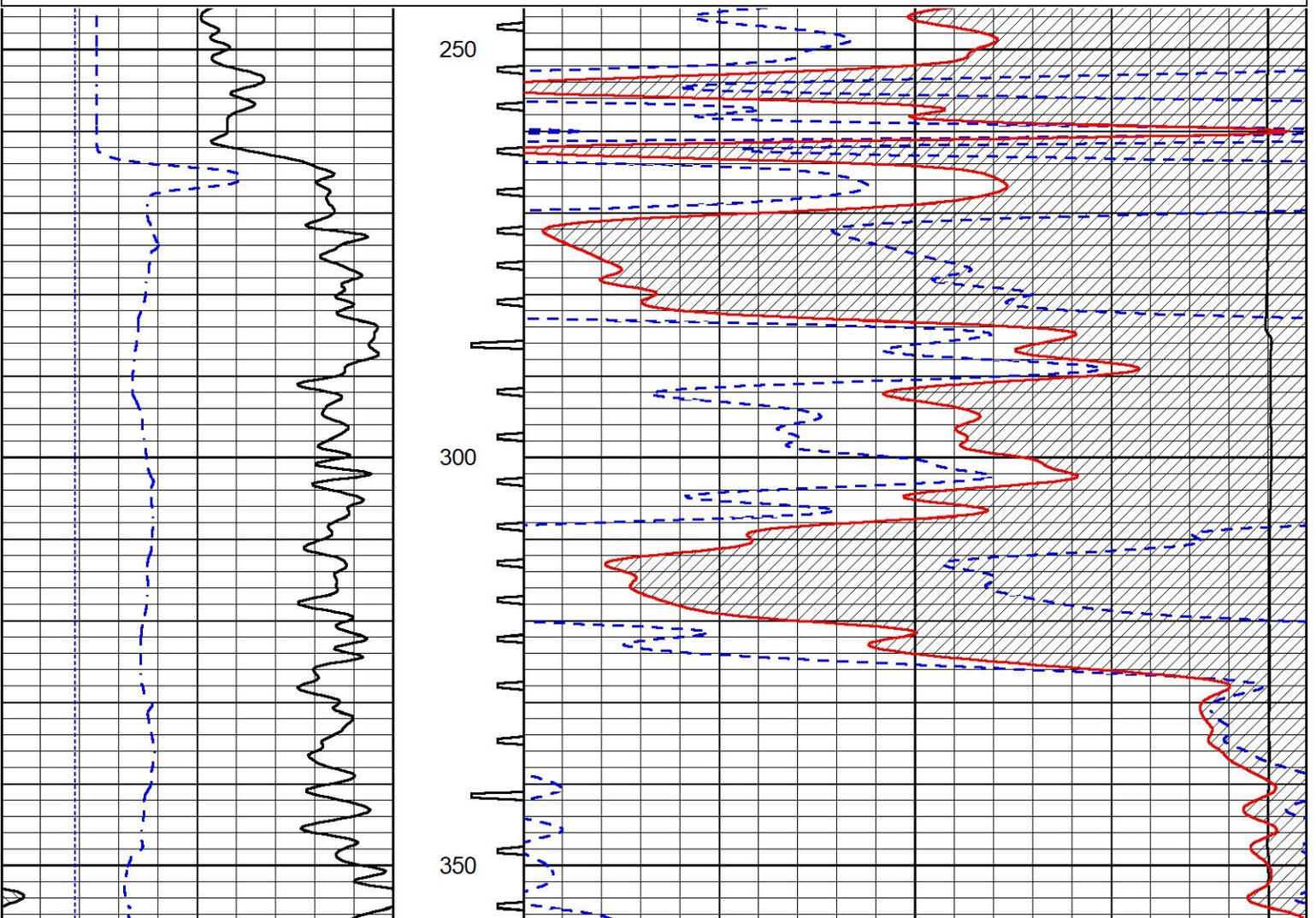
MIDWEST WIRELINE

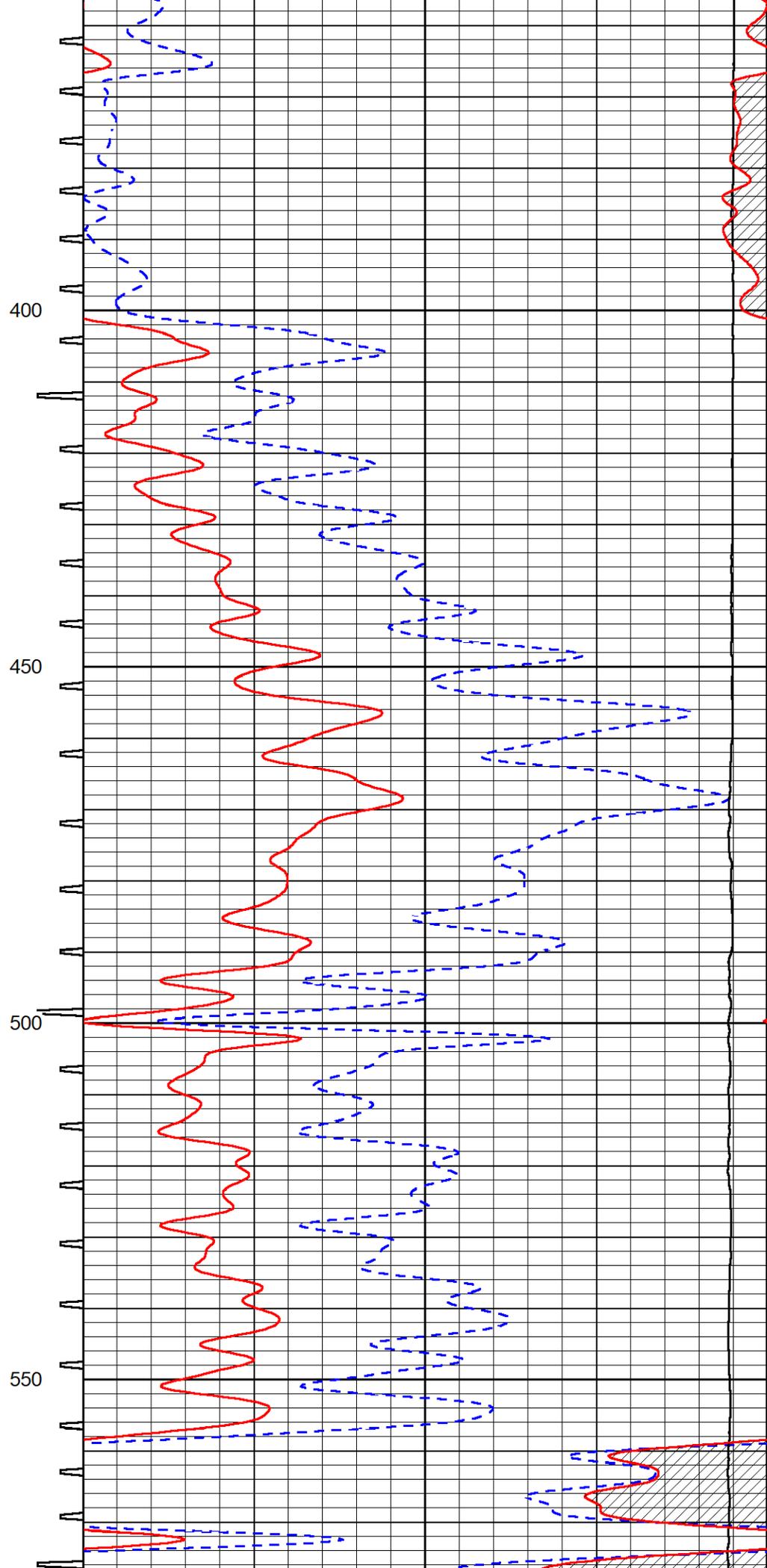
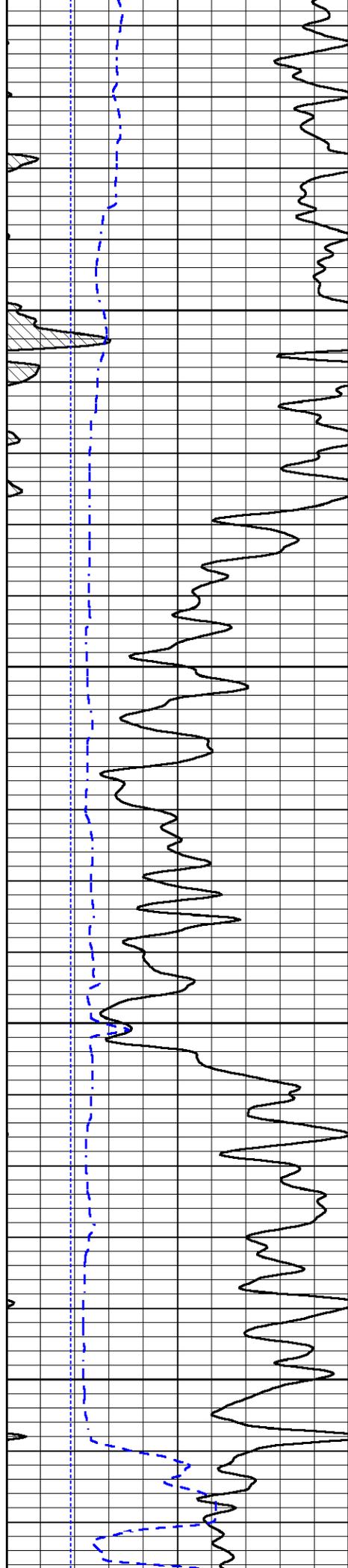
DETAIL SECTION

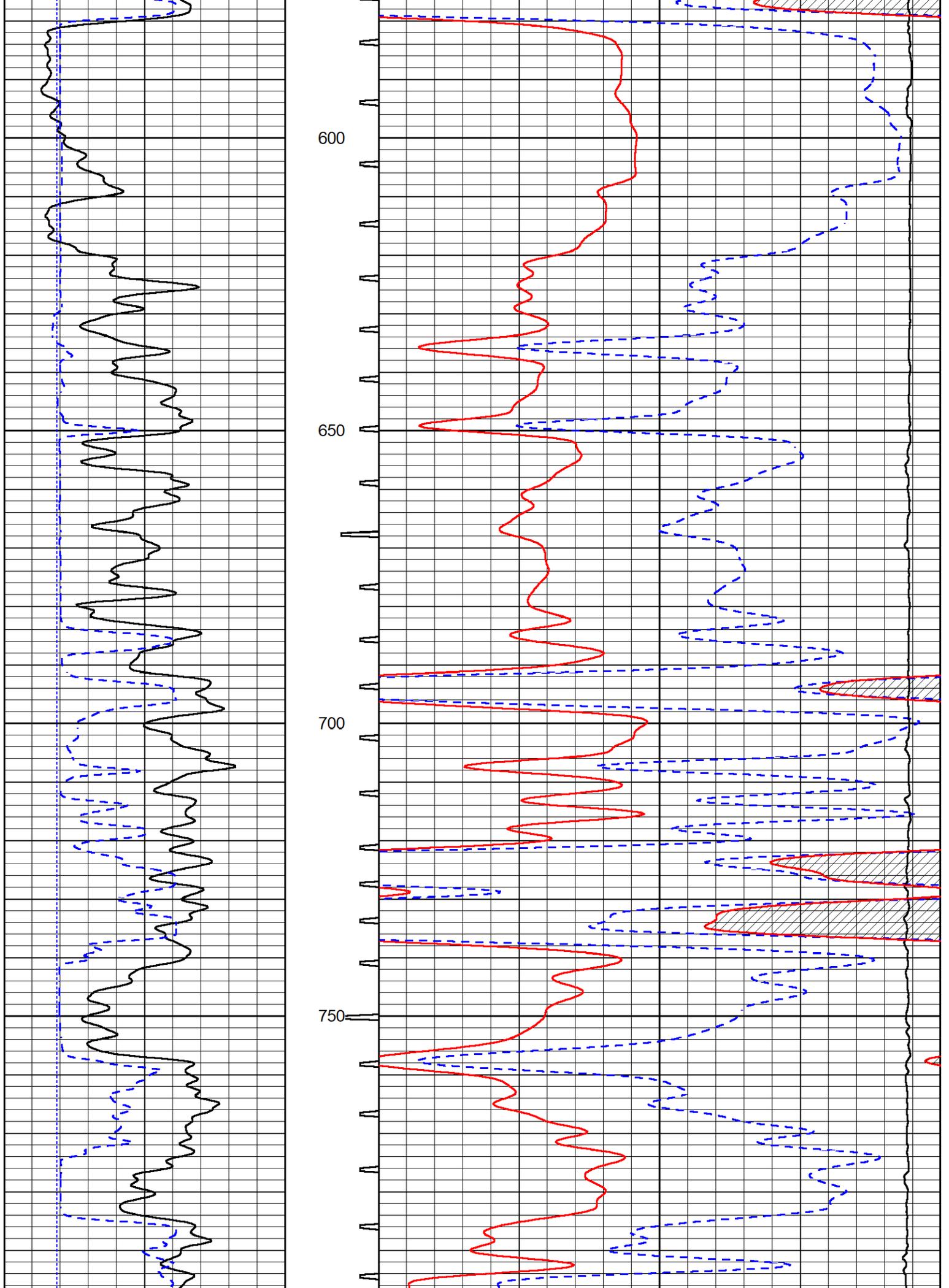
MAIN PASS

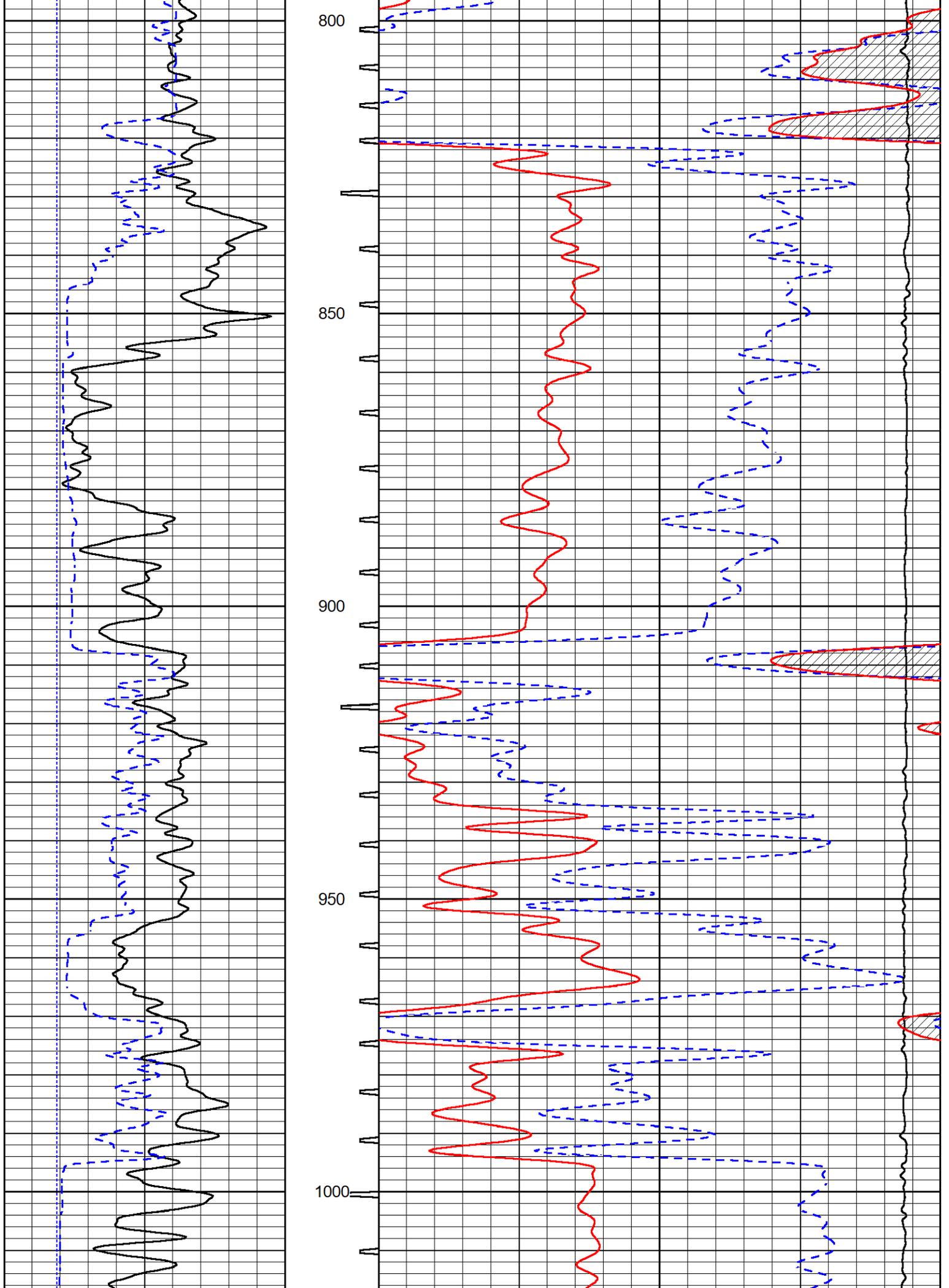
Database File mgoil_lawrence unit #15-2.db
 Dataset Pathname Stack/pass3.1
 Presentation Format _sonic
 Dataset Creation Mon Oct 25 13:03:14 2021
 Charted by Depth in Feet scaled 1:240

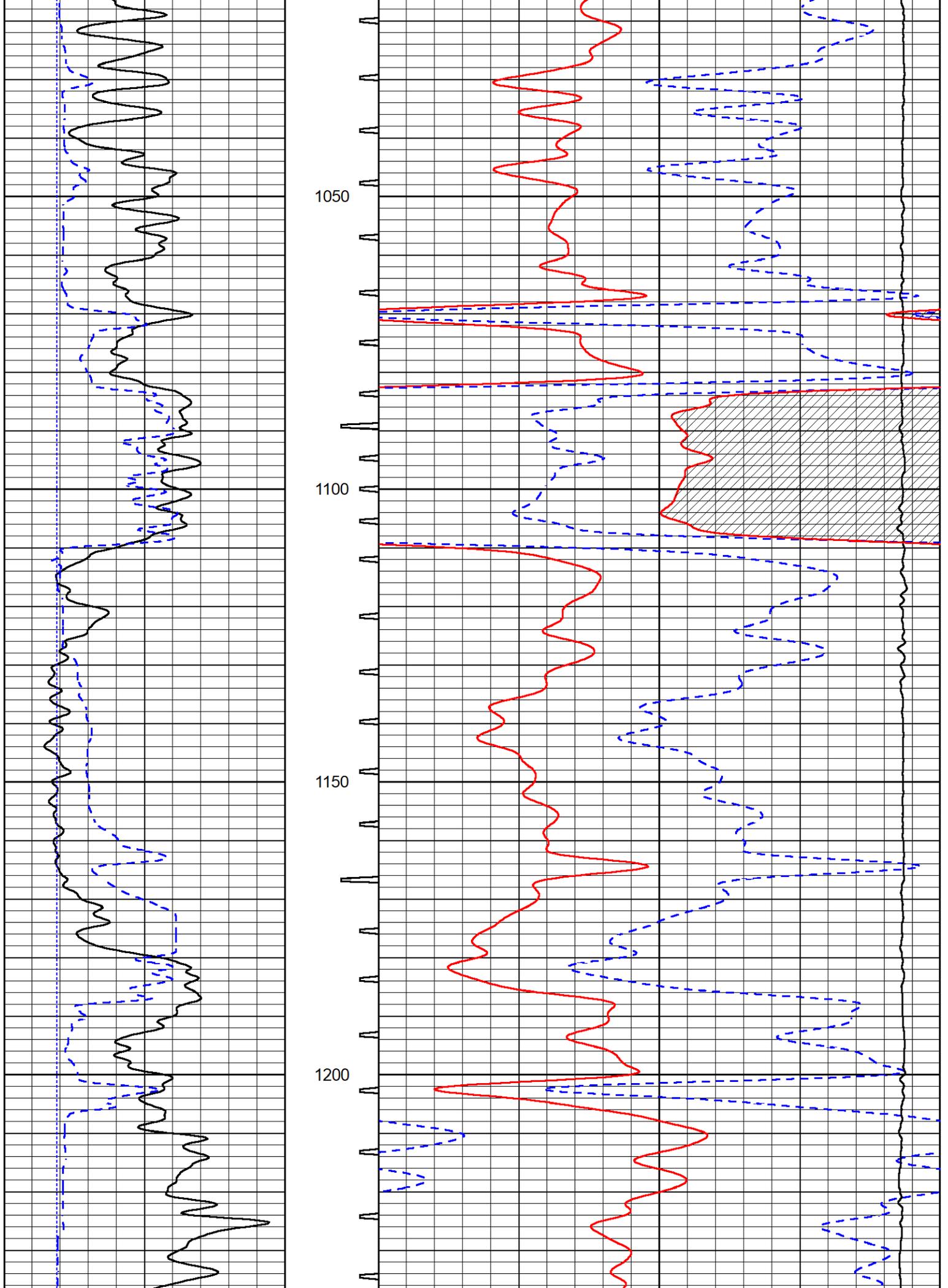
0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	GR (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu) (pu)	-10
6	Caliper (in)	16		15000	Line Tension (lb)	0

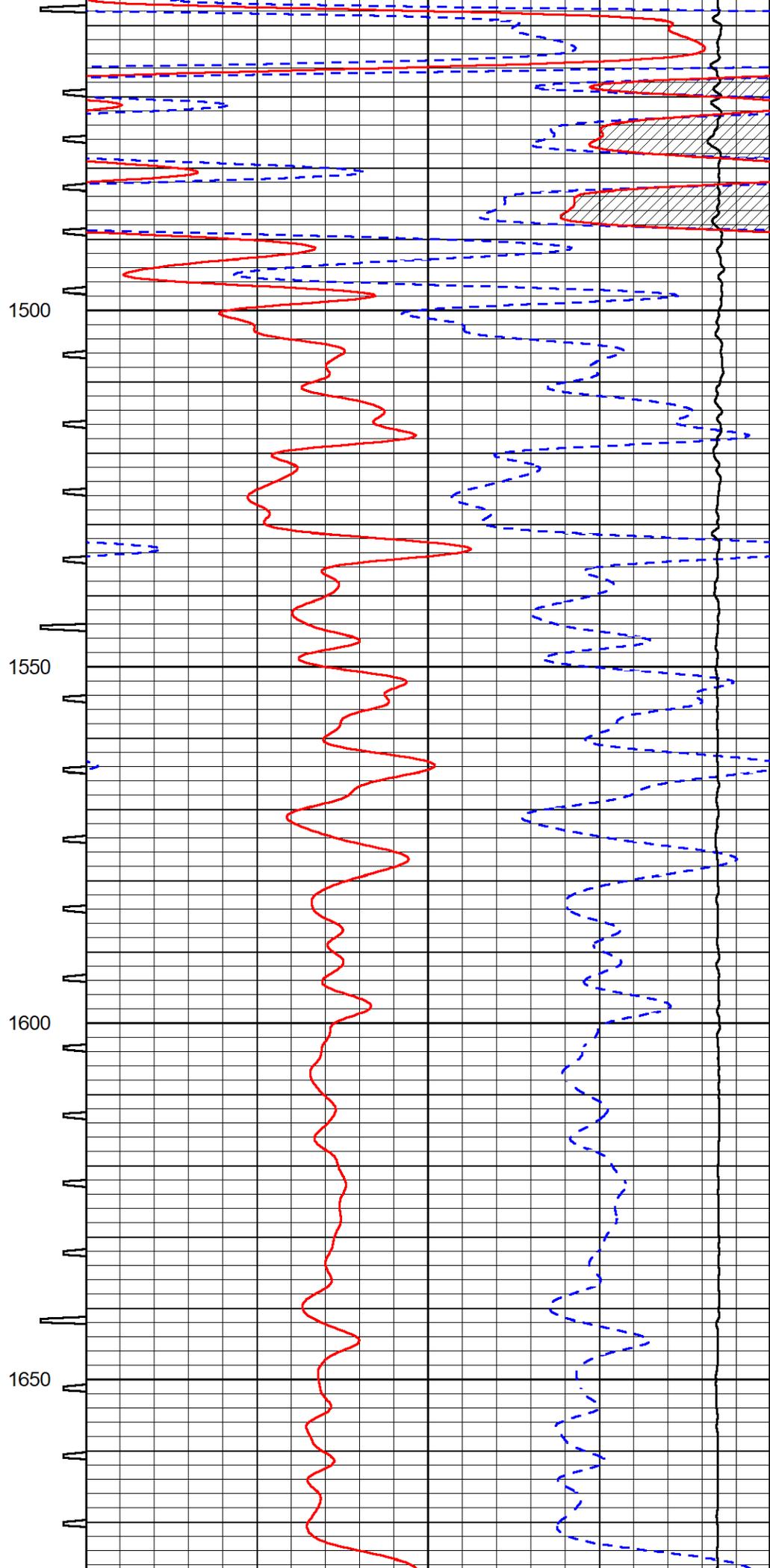
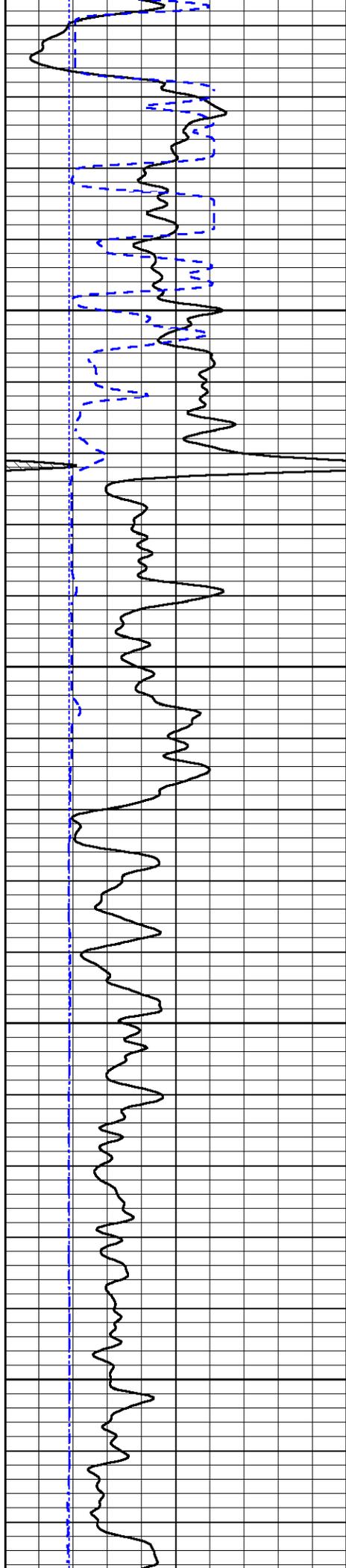


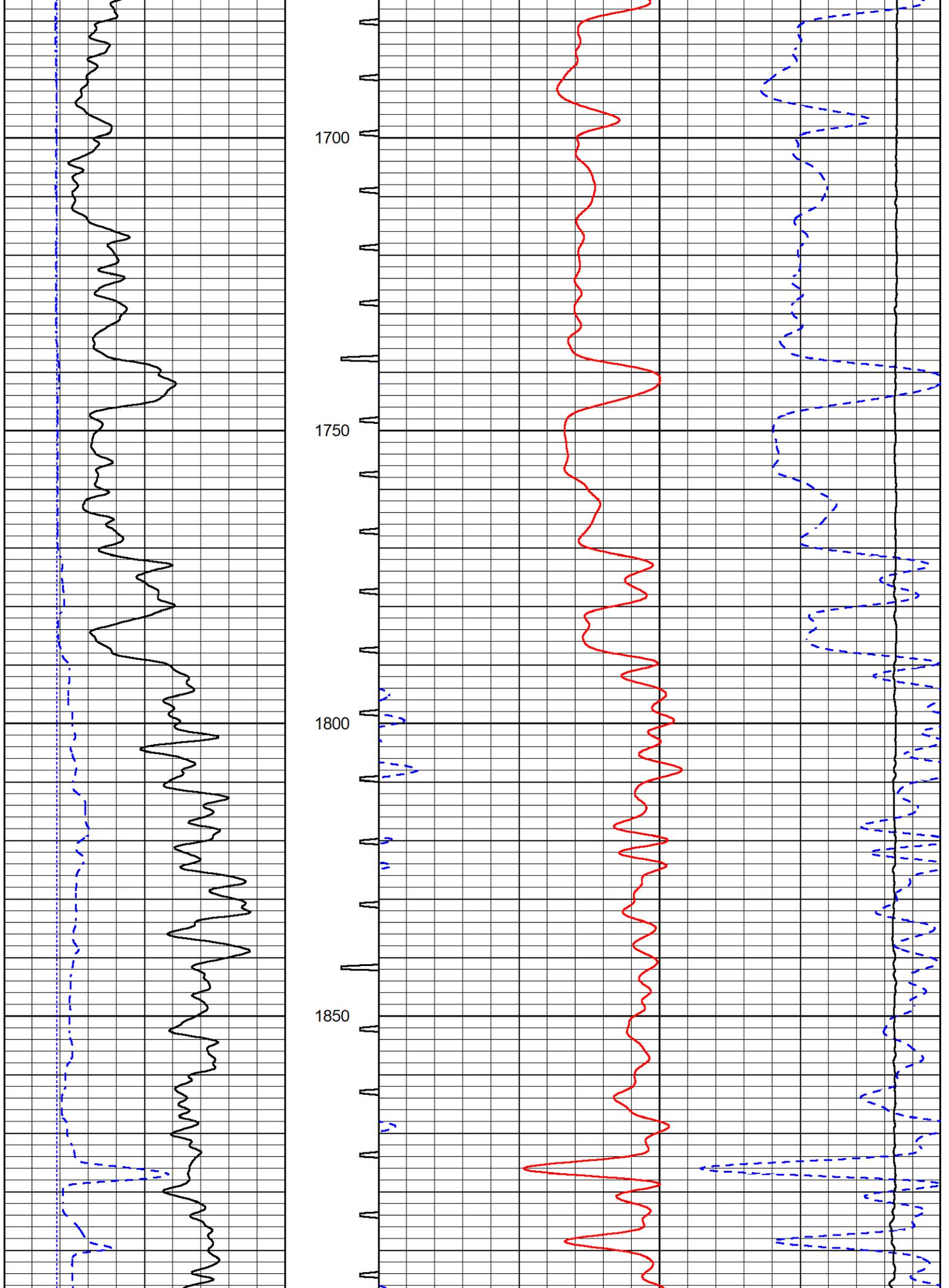


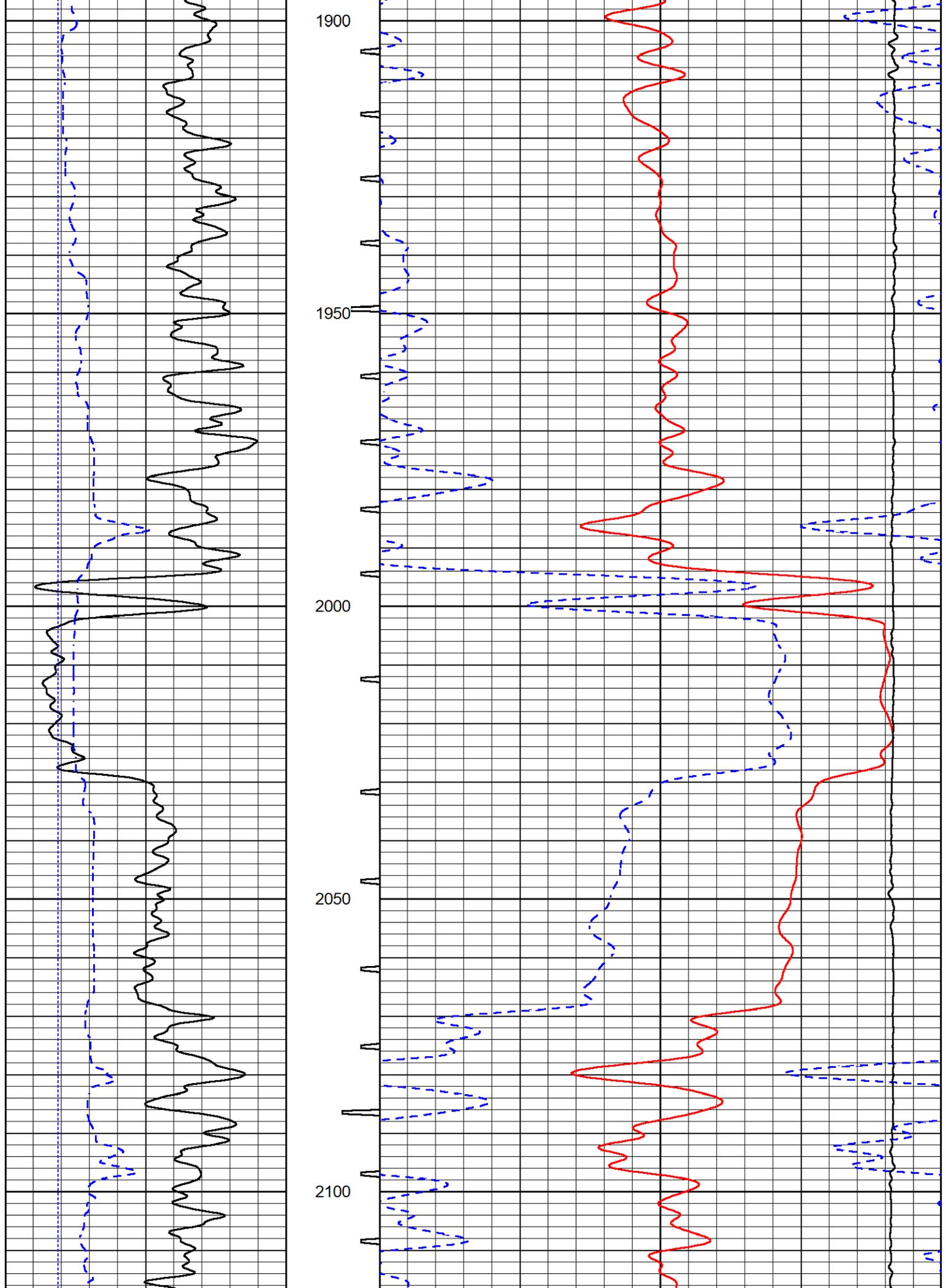


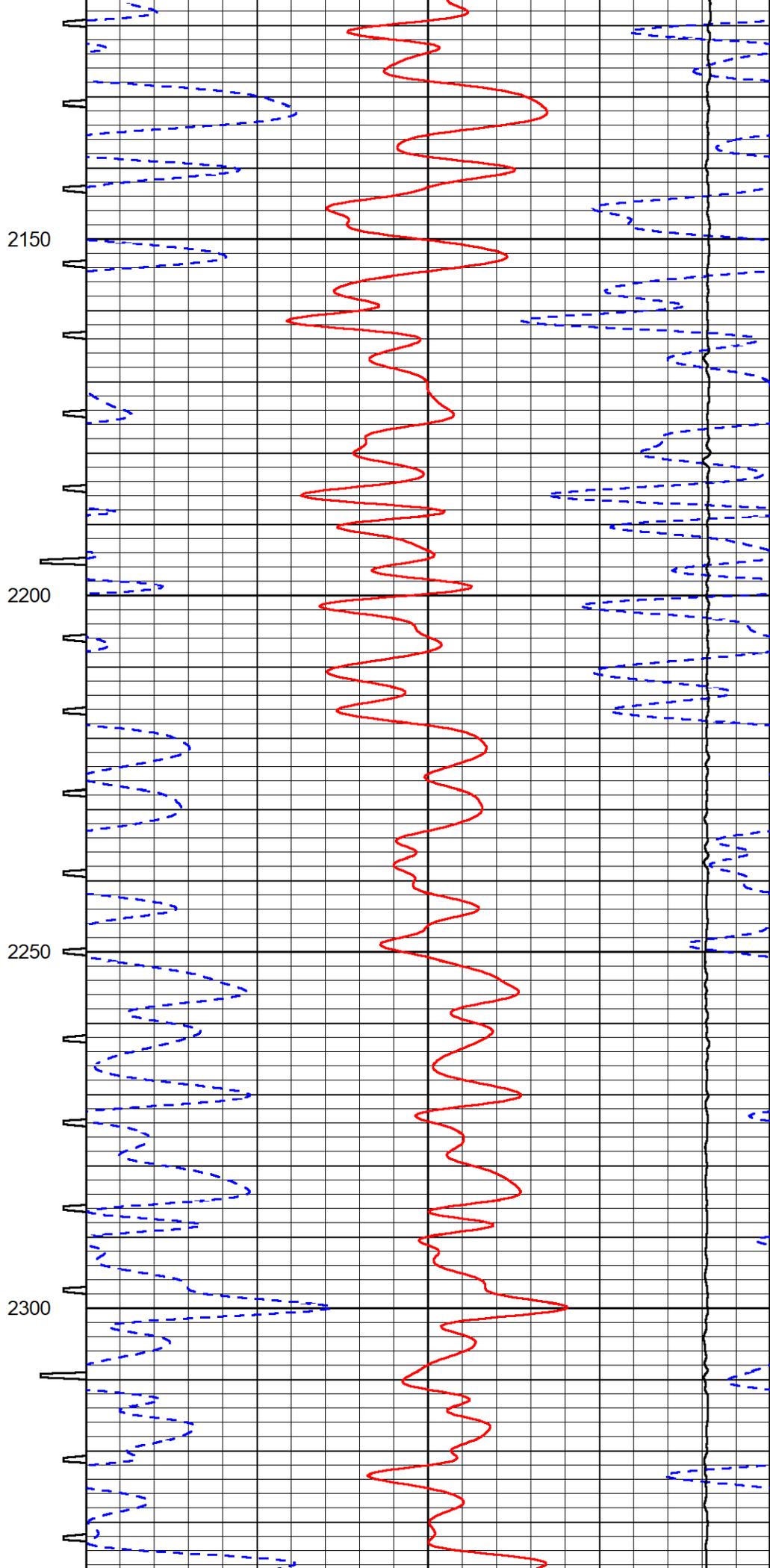
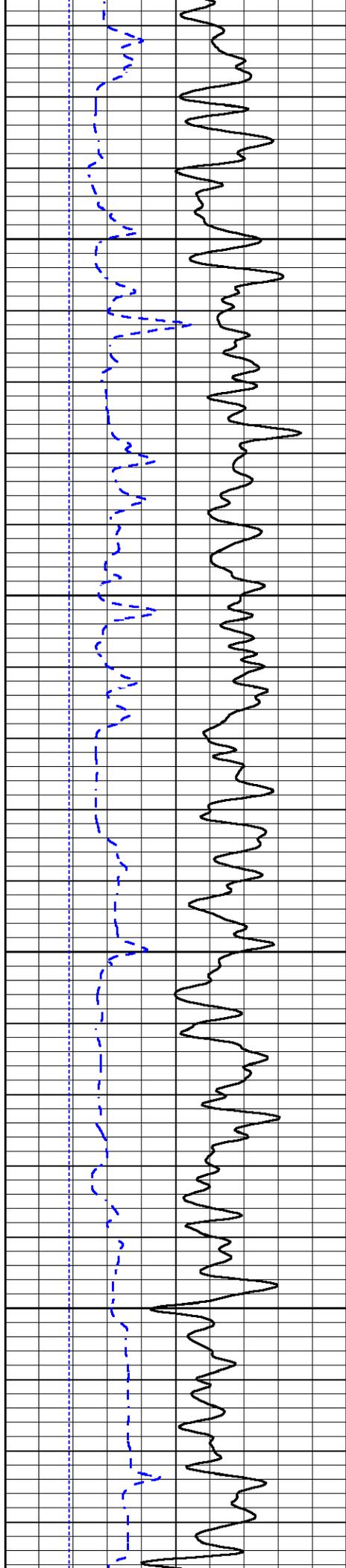


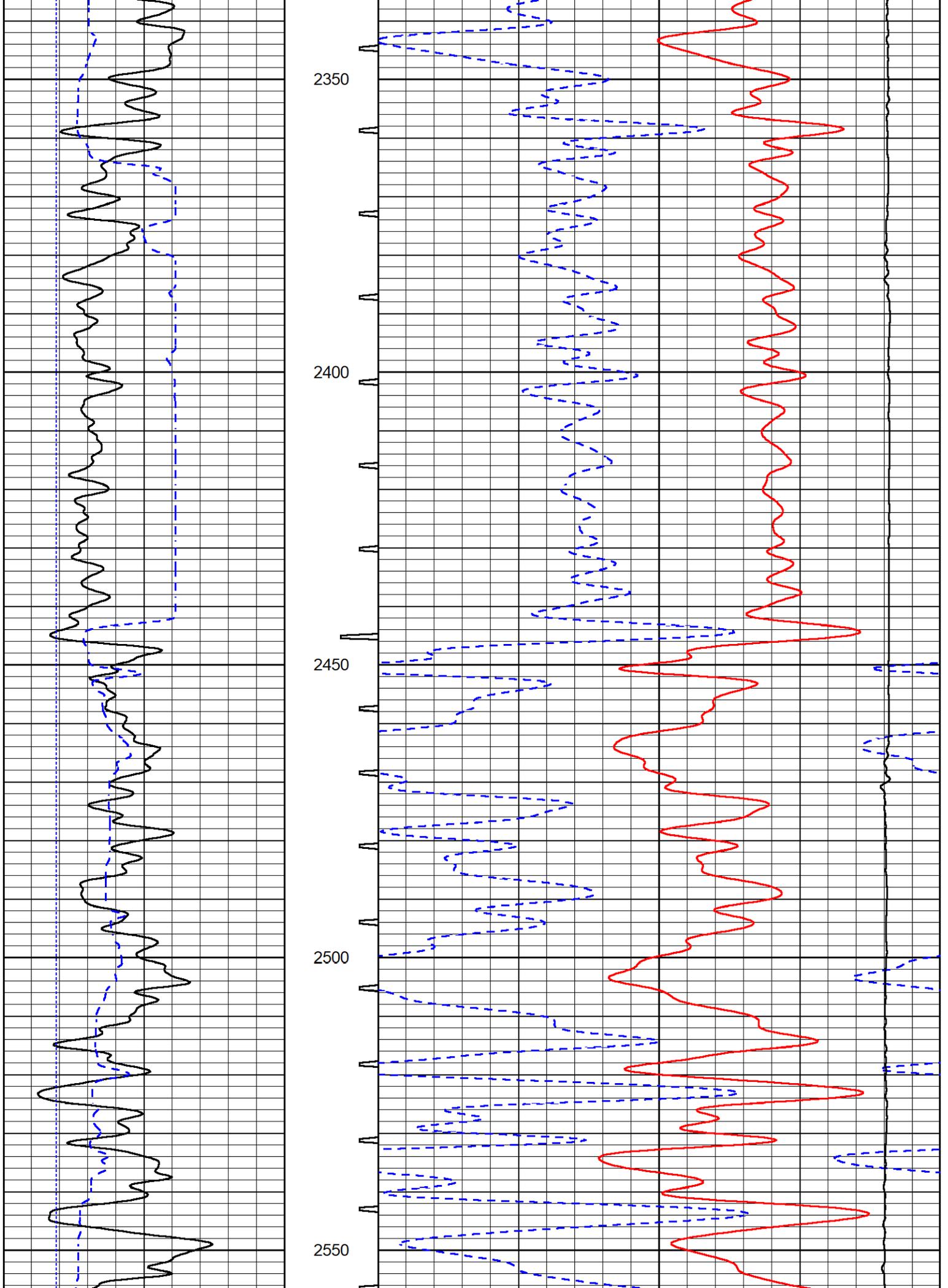


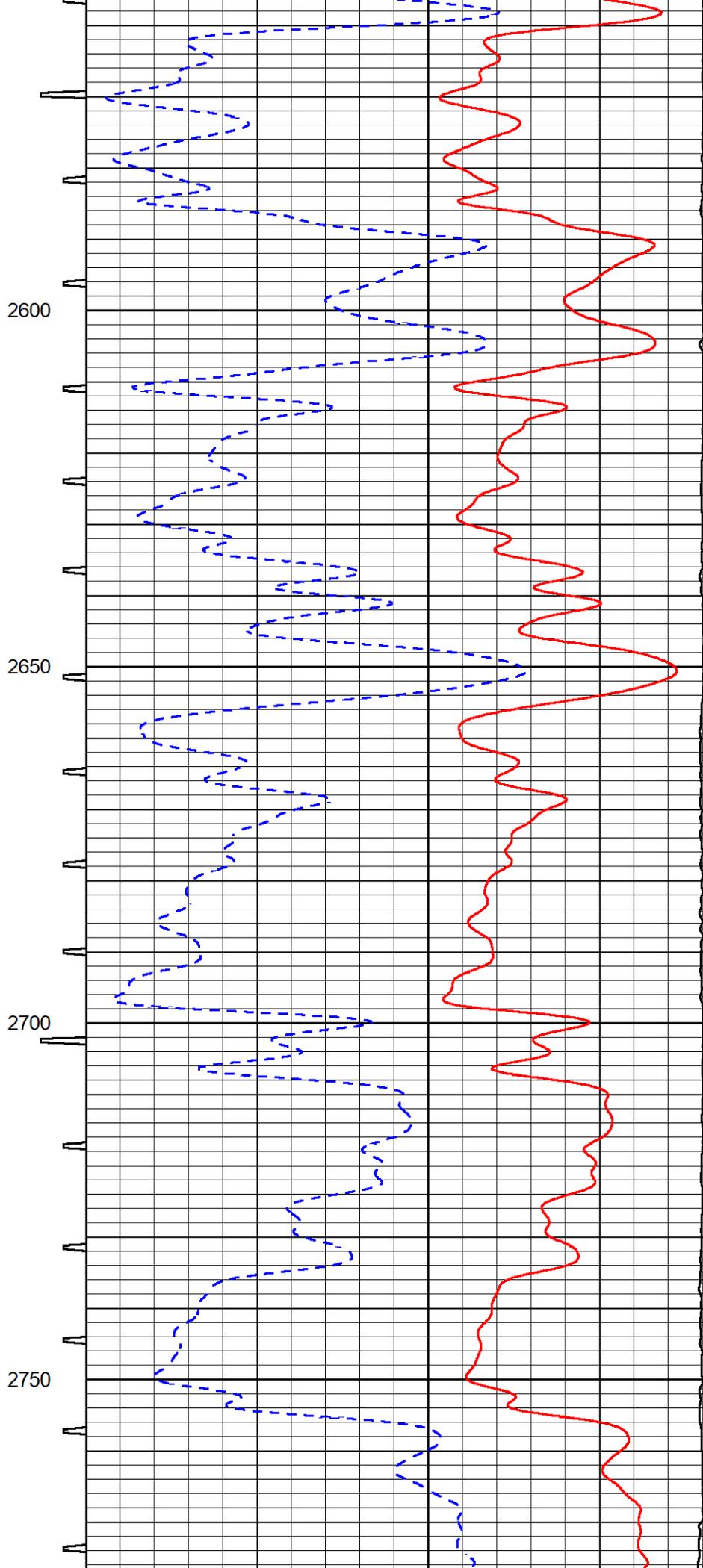
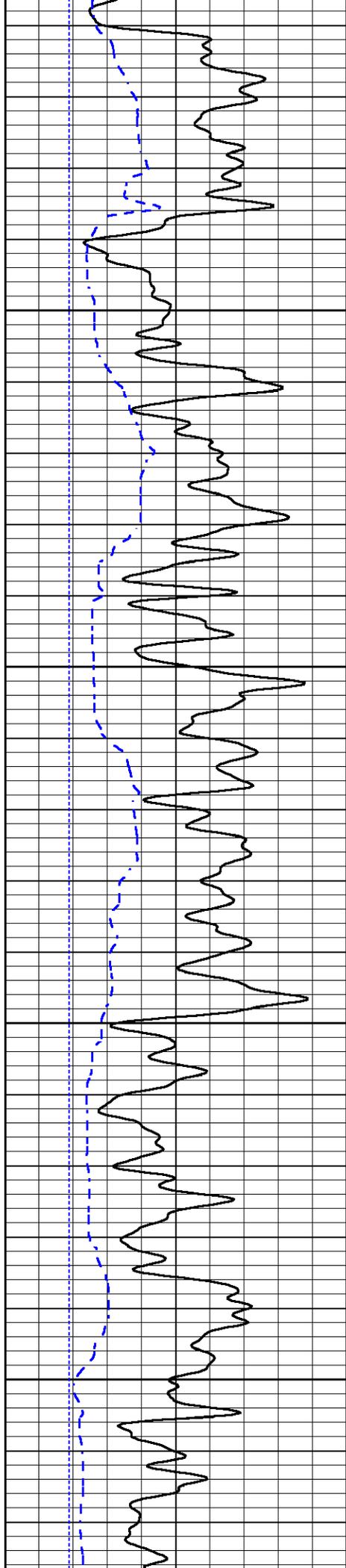


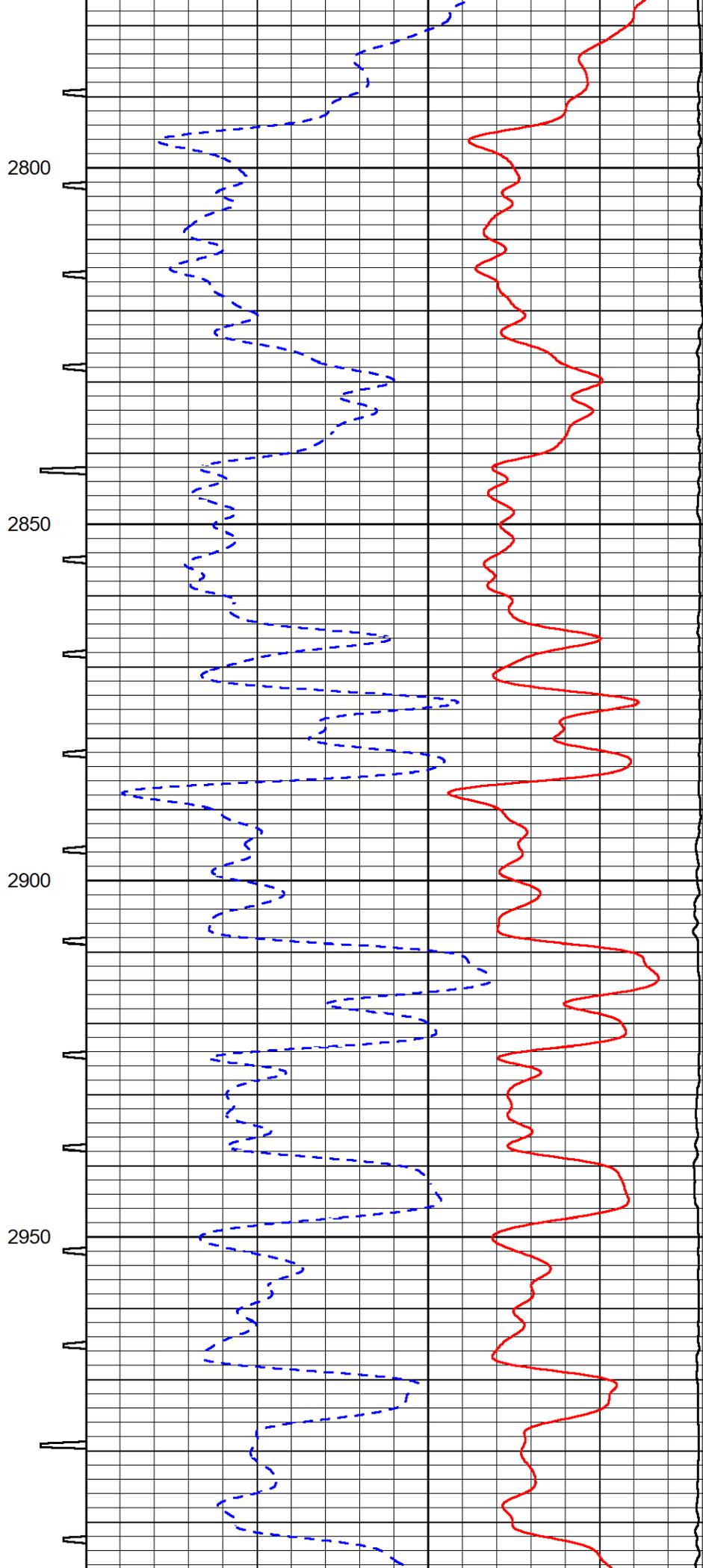
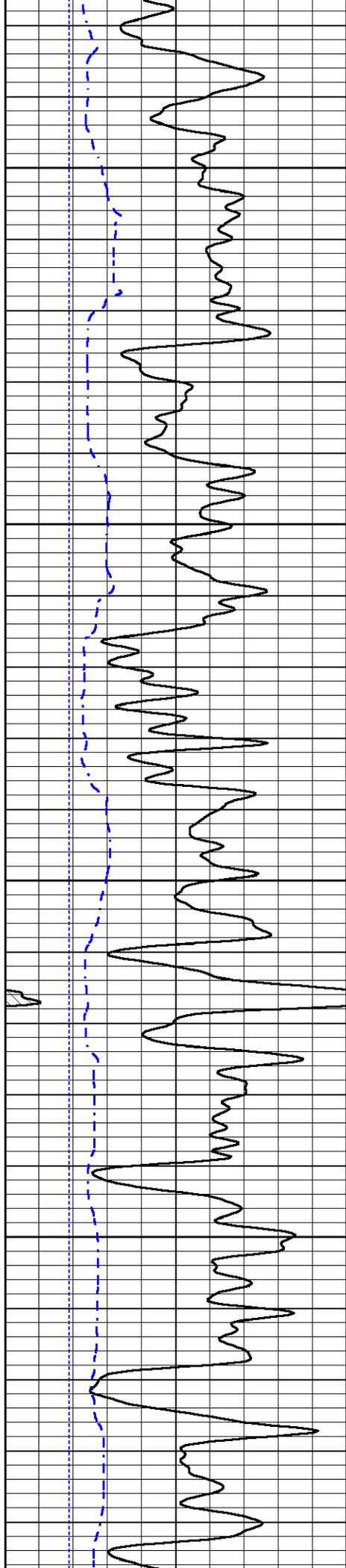


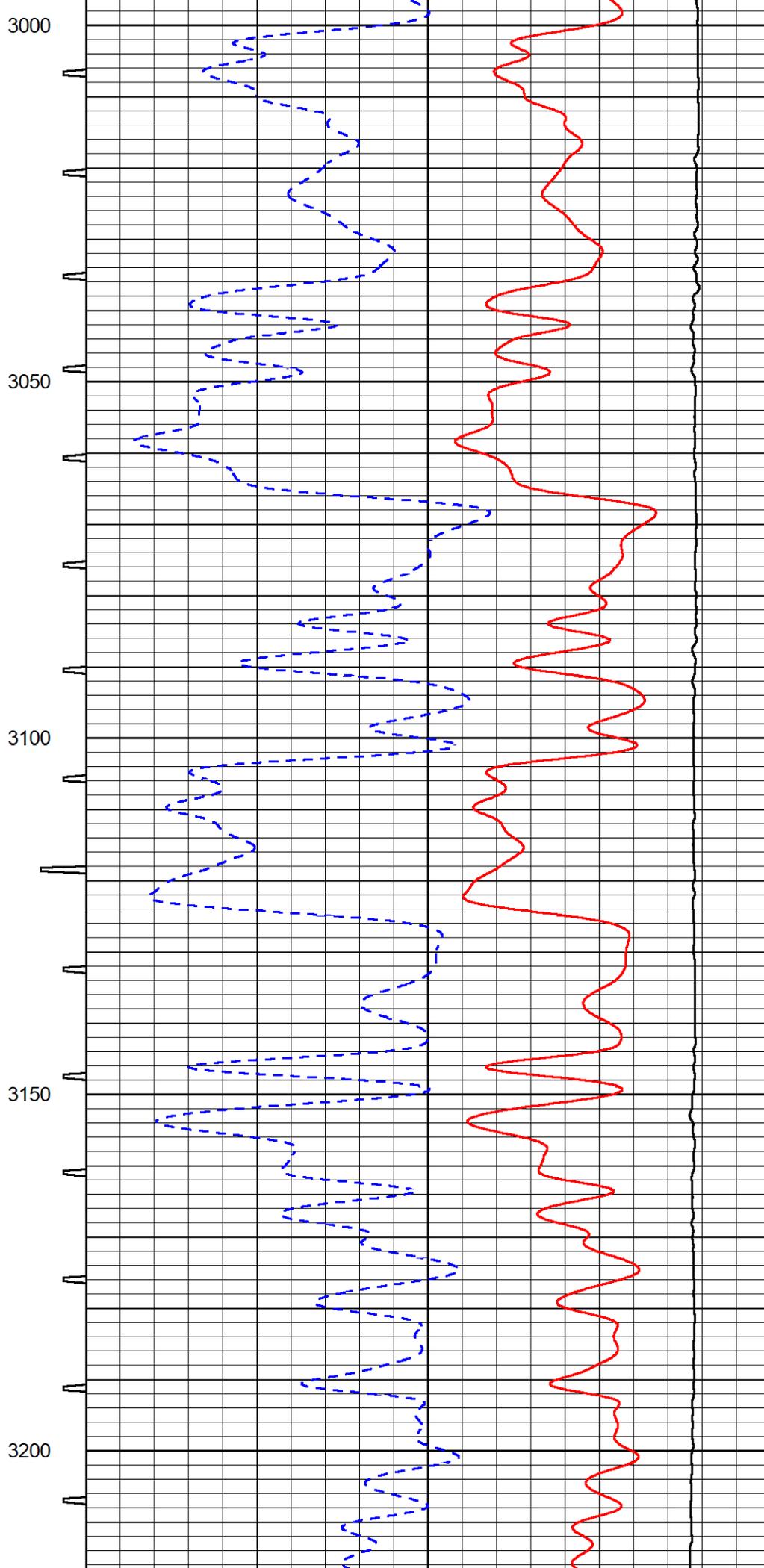
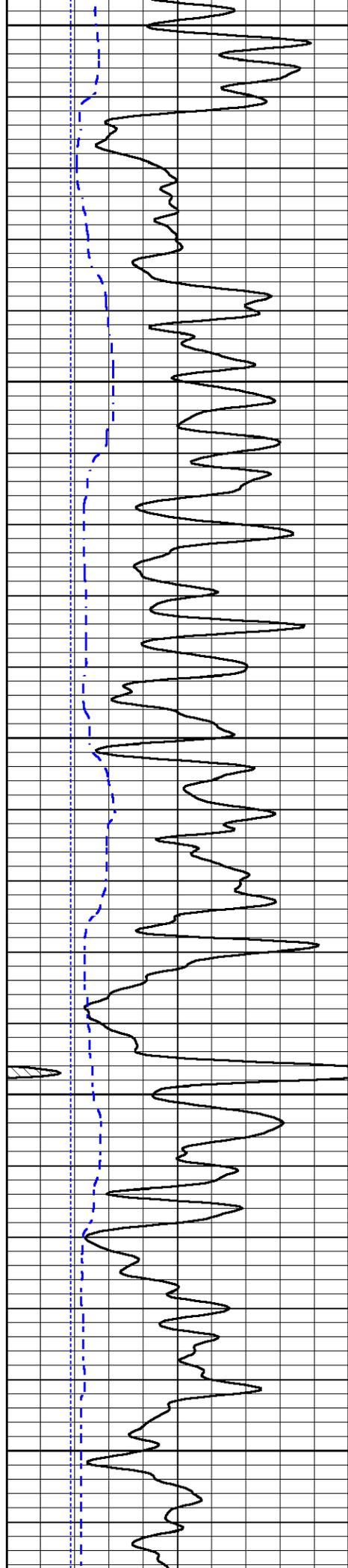


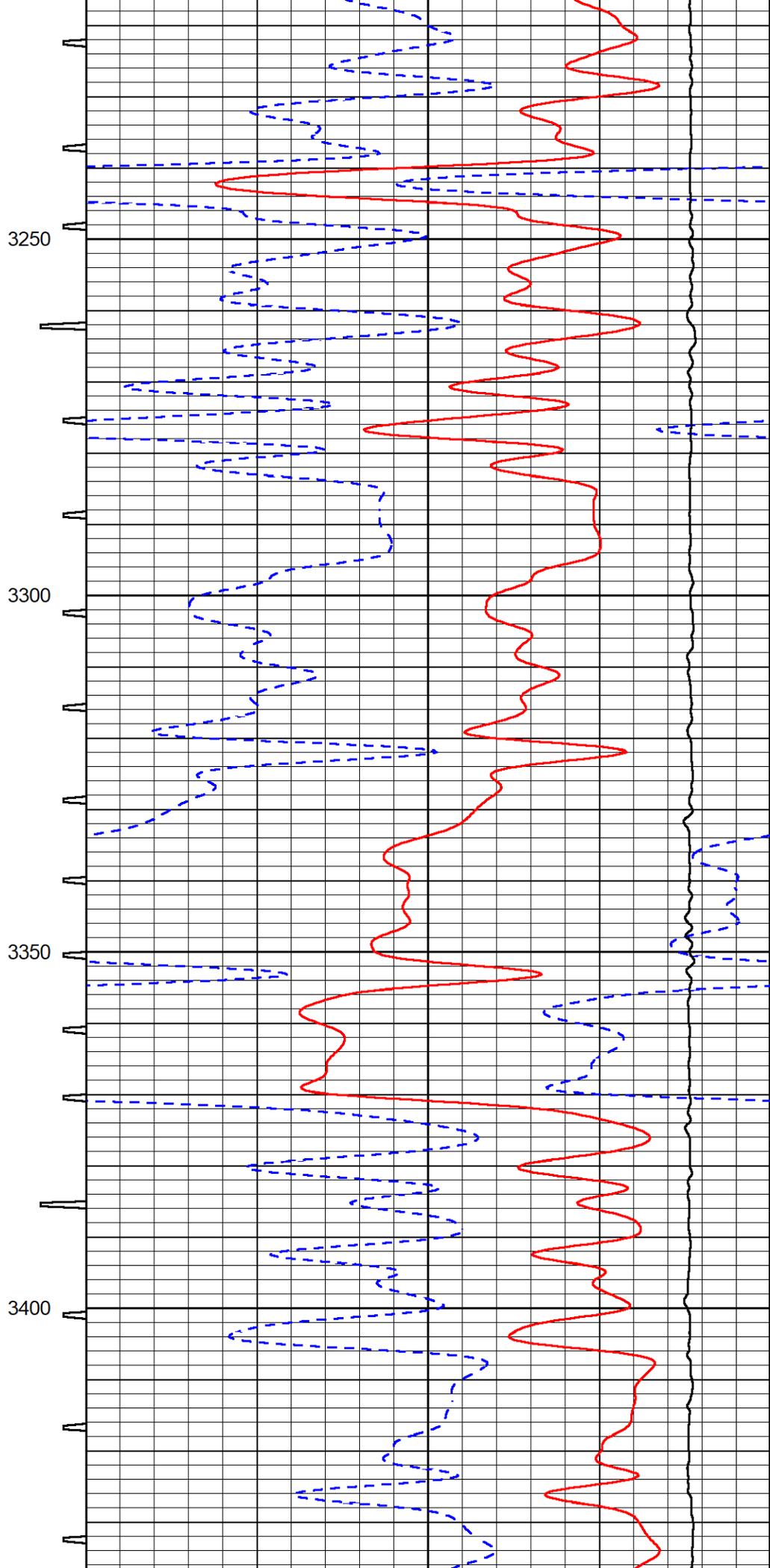
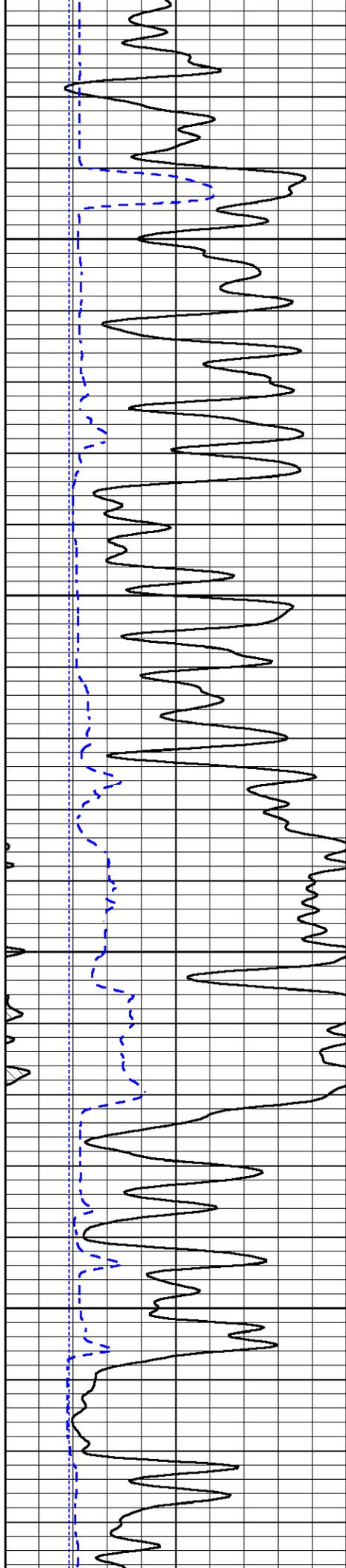


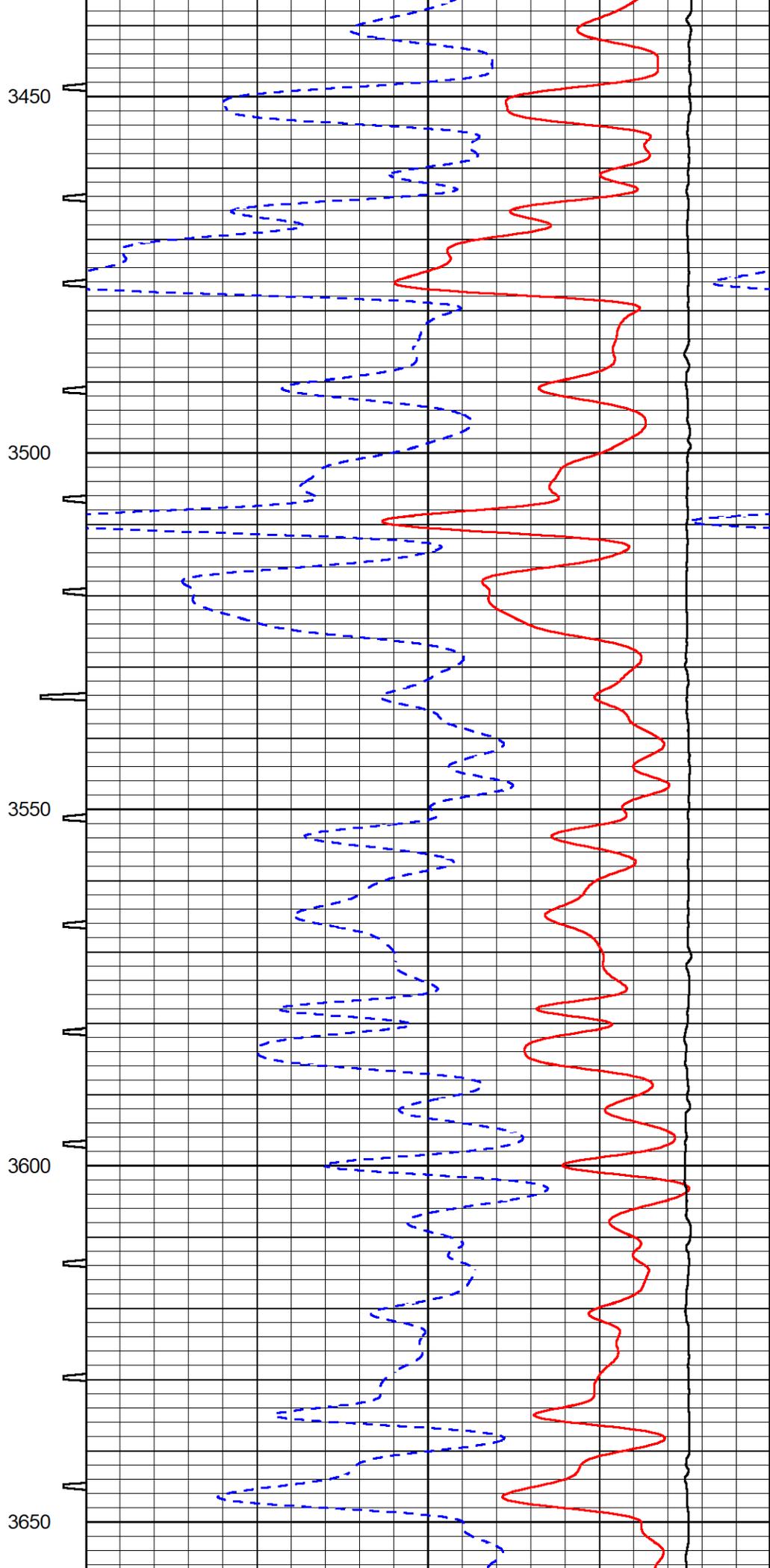
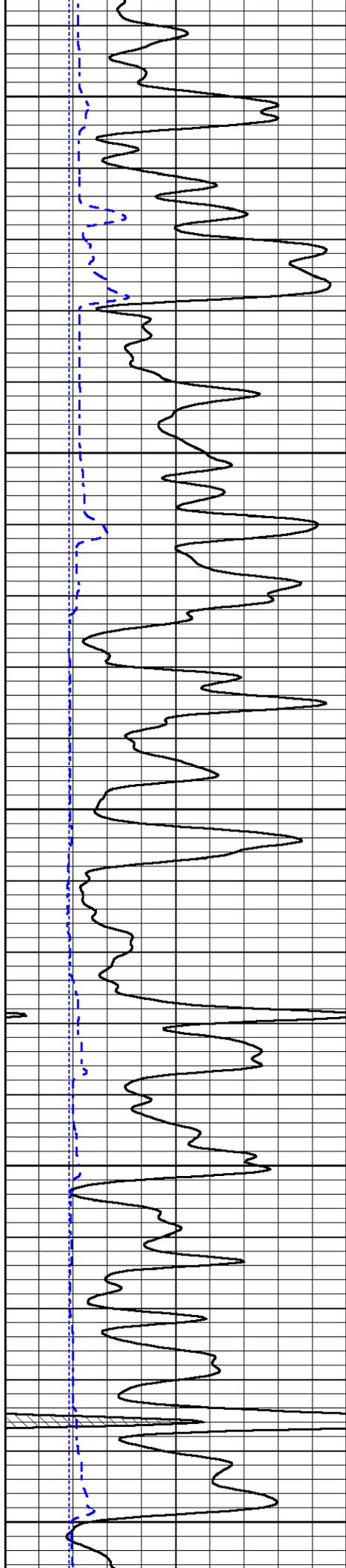


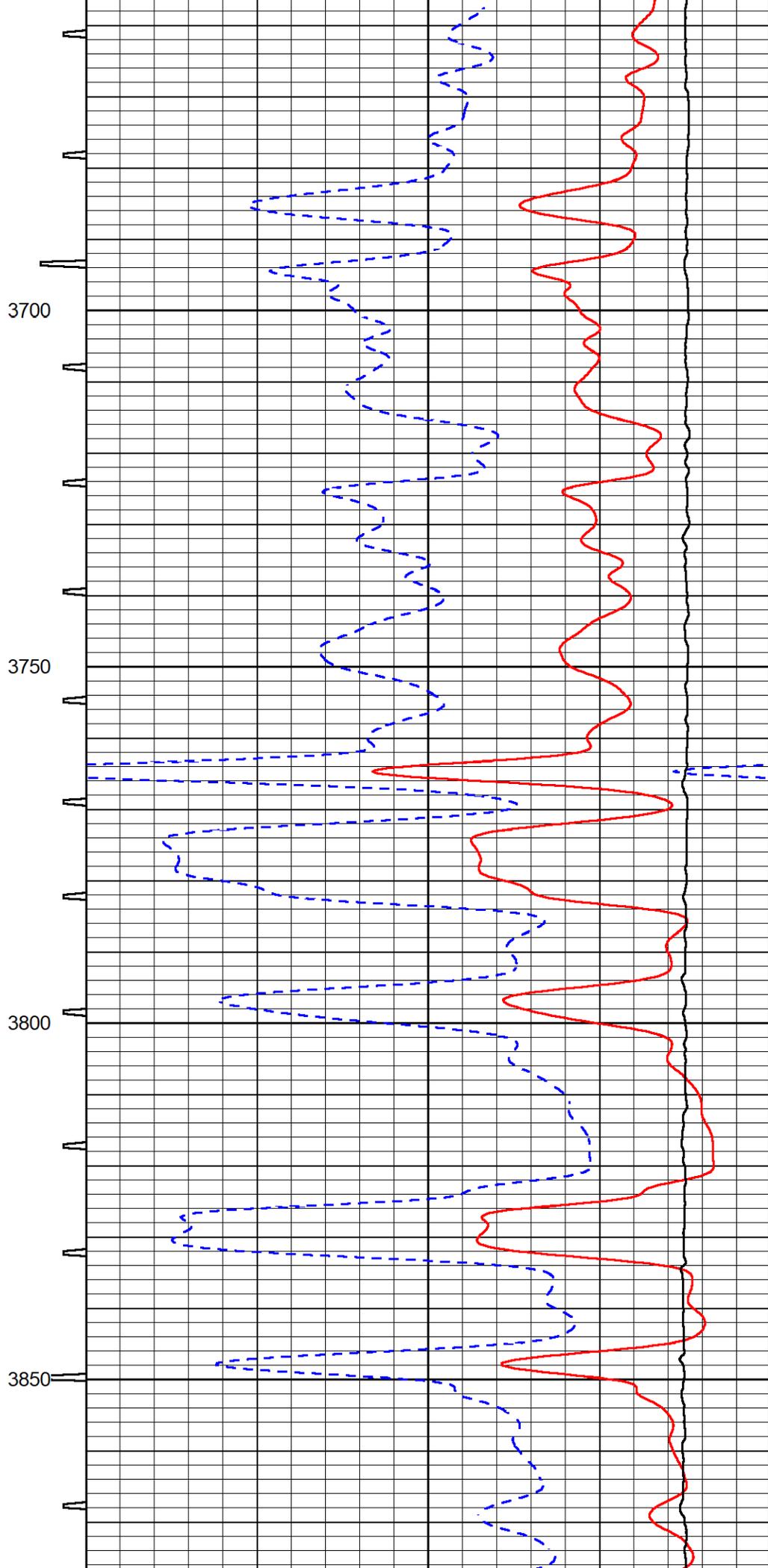
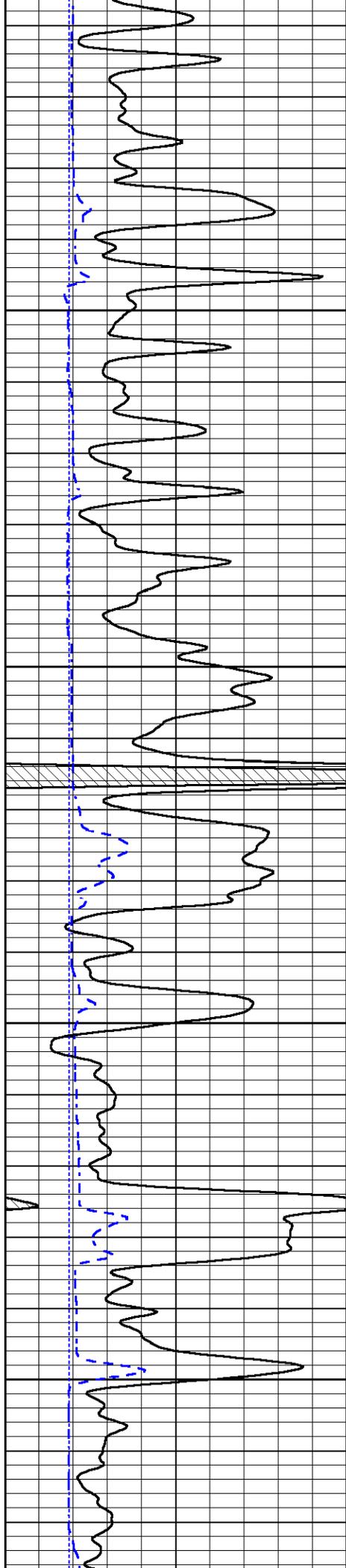


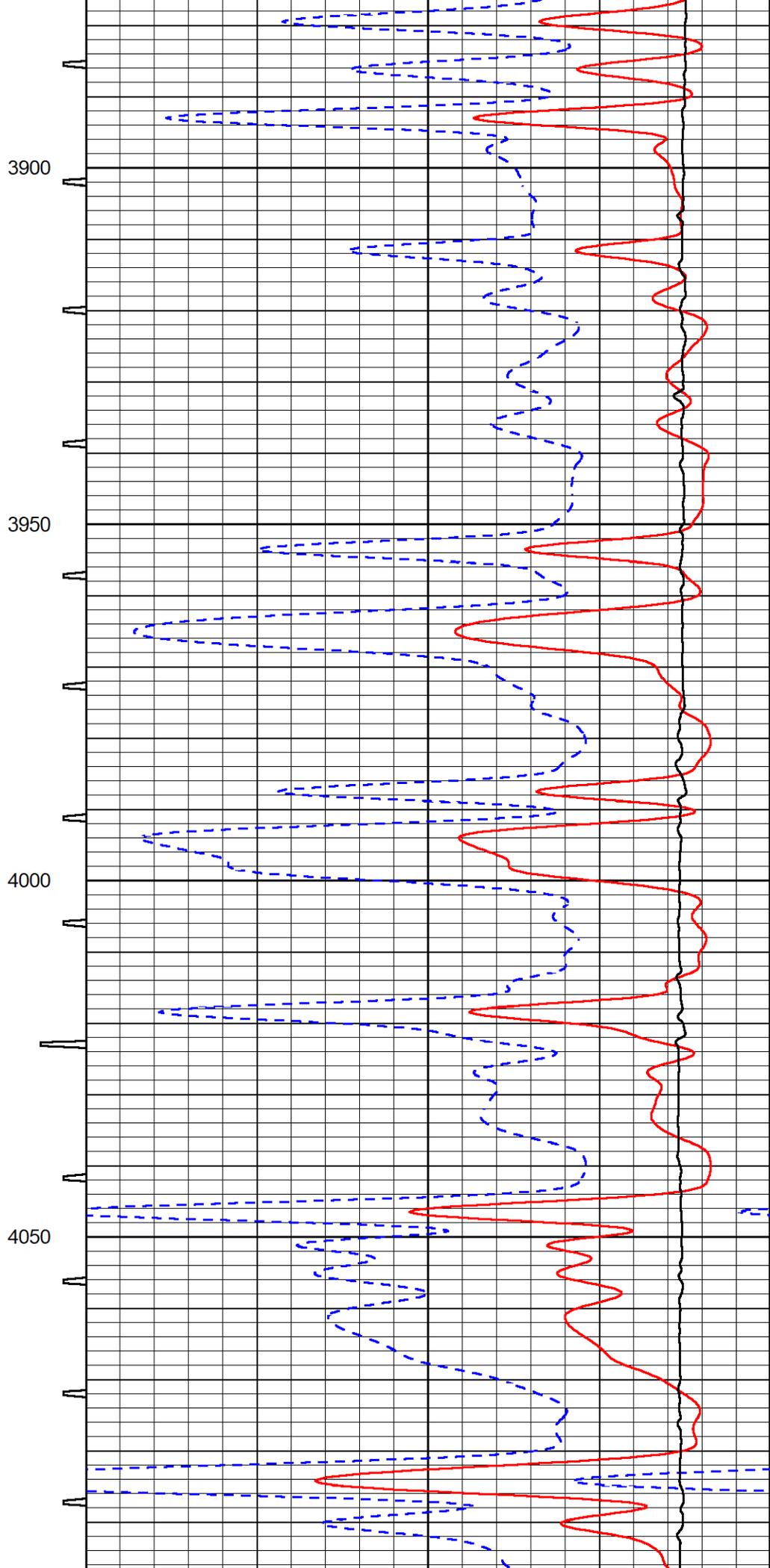
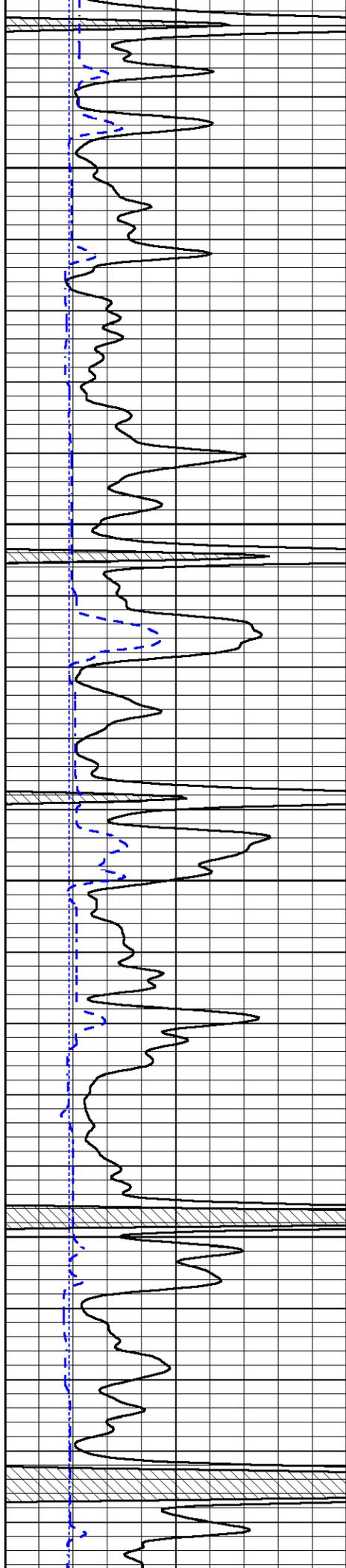


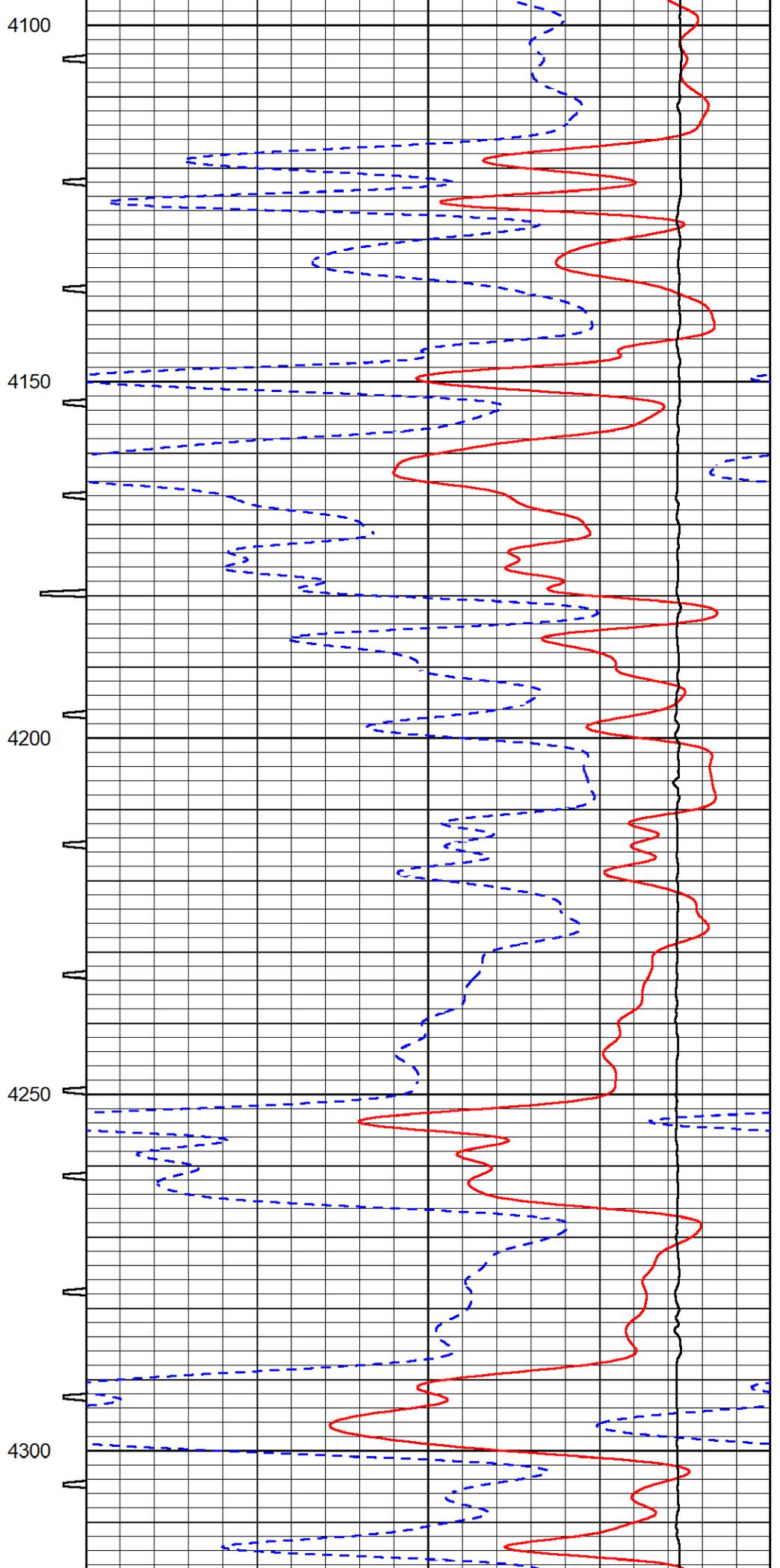
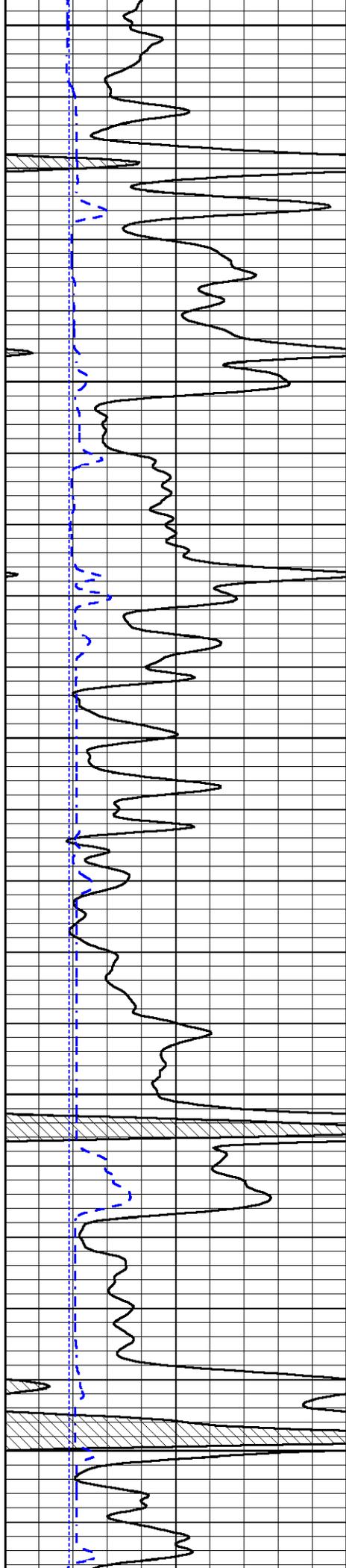


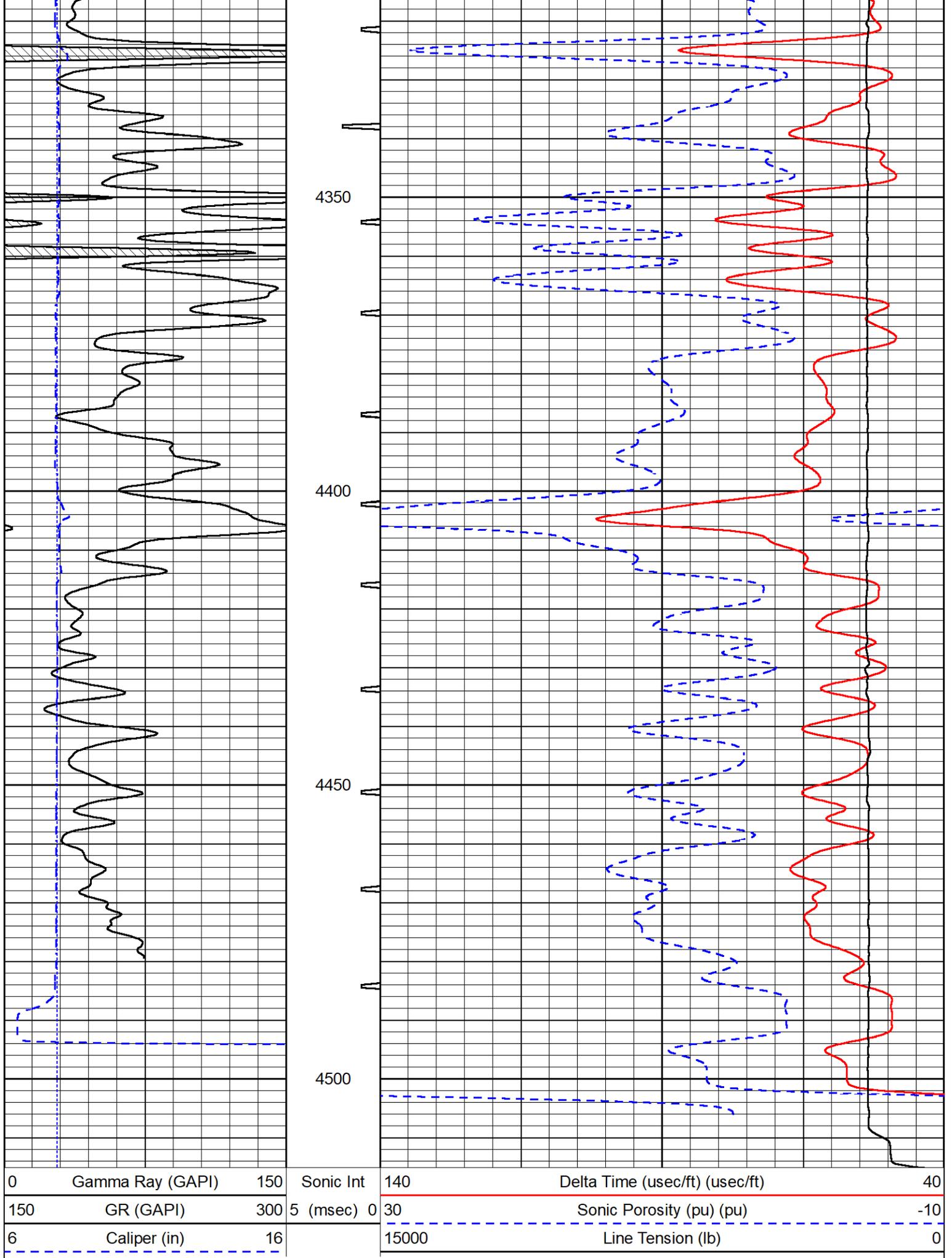












0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	GR (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu) (pu)	-10
6	Caliper (in)	16		15000	Line Tension (lb)	0

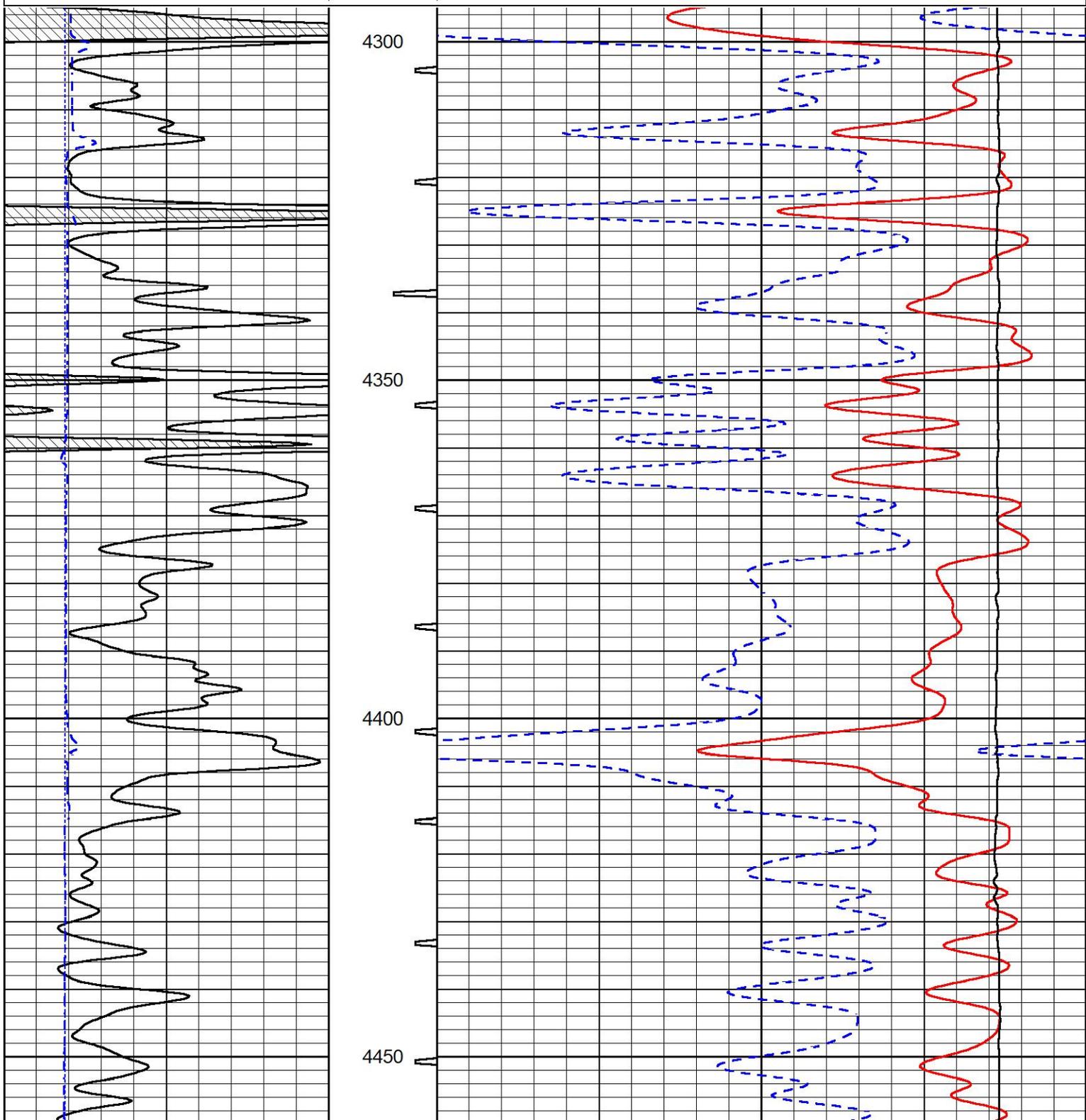


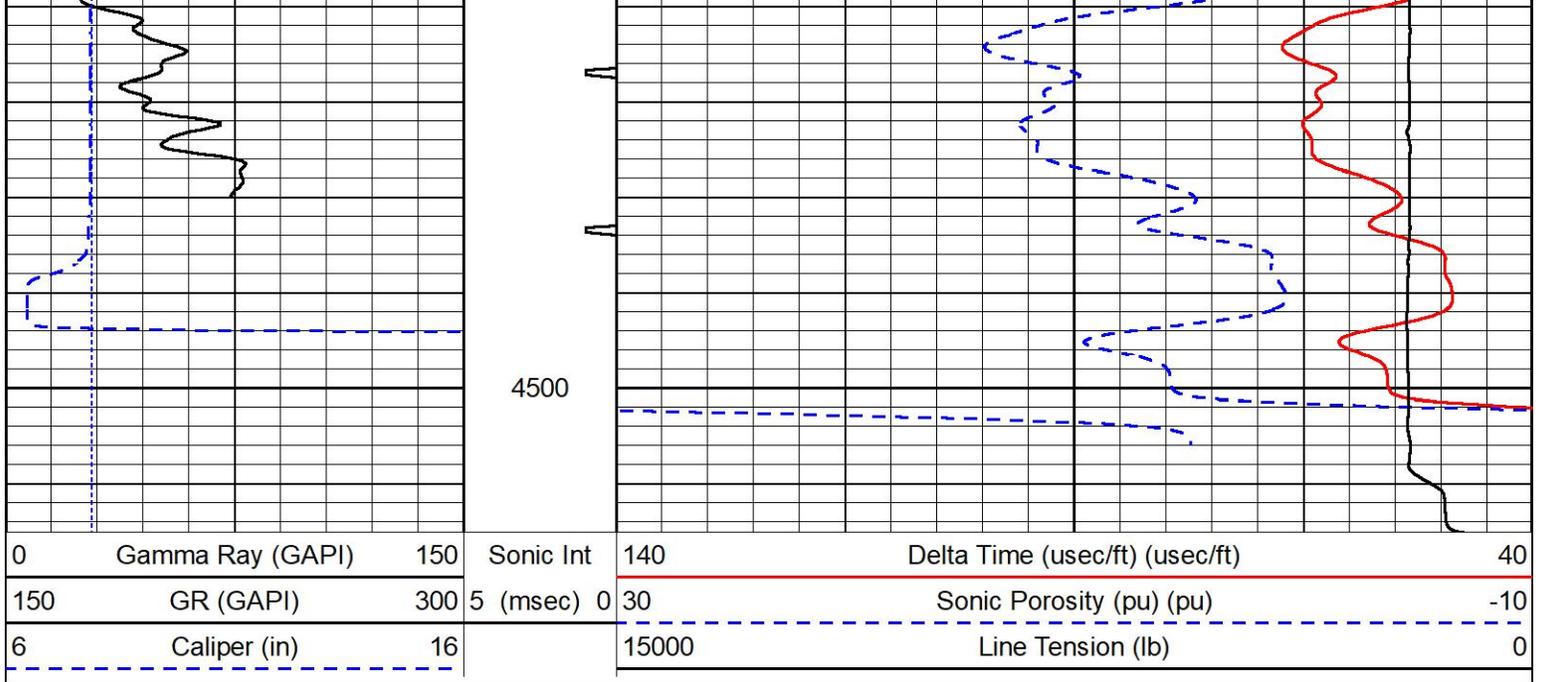
REPEAT SECTION

REPEAT PASS

Database File mgoil_lawrence unit #15-2.db
 Dataset Pathname Stack/pass2.1
 Presentation Format _sonic
 Dataset Creation Mon Oct 25 12:18:16 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) (pu)	-10
6	Caliper (in)	16		15000	Line Tension (lb)	0





Company MG Oil, Inc.
 Well Lawrence Unit #15-2
 Field N&J
 County Lane
 State Kansas