



MIDWEST WIRELINE

BOREHOLE COMPENSATED SONIC LOG

Company Satchell Creek Petroleum, LLC
 Well Worcester "A" #2-34
 Field Last Hope Northeast
 County Graham
 State Kansas

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Location: API #: 15-065-24278
 NE NE SW SE
 1217' FSL & 1448' FEL
 SEC 34 TWP 6S RGE 22W
 Permanent Datum Ground Level Elevation 2267
 Log Measured From Kelly Bushing
 Drilling Measured From Kelly Bushing
 Other Services
 CNL/CDL
 MEL/DIL
 K.B. 2274
 D.F. 2272
 G.L. 2267

Date	8/8/2023						
Run Number	One						
Type Log	BHCS						
Depth Driller	3900						
Depth Logger	3878						
Bottom Logged Interval	3867						
Top Logged Interval	Surface Csg.						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	1,500 ppm						
Density	9.3						
Level	Full						
Max. Rec. Temp. F	117						
Operating Rig Time	4 Hours						
Equipment -- Location	P-108 HAYS						
Recorded By	D. Legleiter						
Witnessed By	Mr. Sean Deenihan						
Borehole Record							
Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	220	8.625	24#	00	220
2	7.875	220	3900				
Casing Record							

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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.

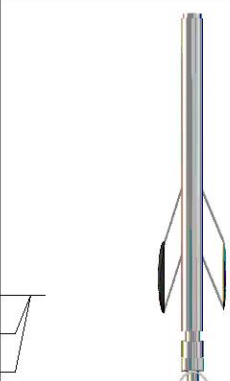
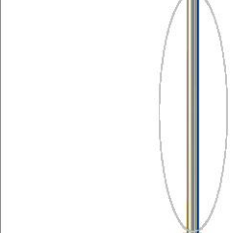
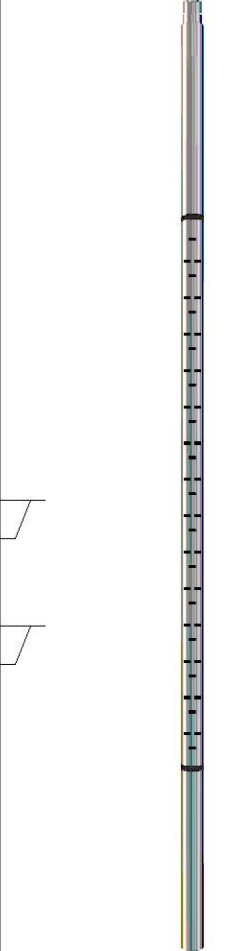
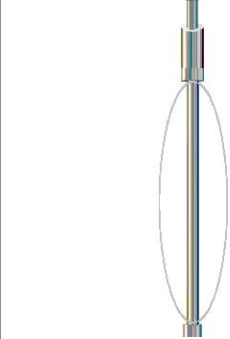
Hill City, KS 3 East to Rd.310
 7N to Rd. Y, 3/4 E N Into

Log Measured From: Kelly Bushing 7 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew	This Log Record Was Witnessed By
Engineer: D. Legleiter	Primary Witness: Mr. Sean Deenihan
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Case No.	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
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Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
MCAL MI MN	25.50 25.50 25.50		ML-PENGO (P003)	5.50	3.50	100.00
			CENT-PENGO	4.25	3.00	70.00
WVF4 WVF1	12.50 12.50		SLT-PENGO Short (607)	16.00	3.50	300.00
WVF3 WVF2	10.50 10.50		CENT-PENGO	4.25	3.00	70.00

Dataset: satchell_worcester_a_2-34.db: field/well/sonmel/pass2
 Total length: 30.00 ft
 Total weight: 540.00 lb
 O.D.: 3.50 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\satchell_worcester_a_2-34.db
 Dataset field/well/Stack/pass4.4/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	100	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	No	4	17	210	80	Off	0

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

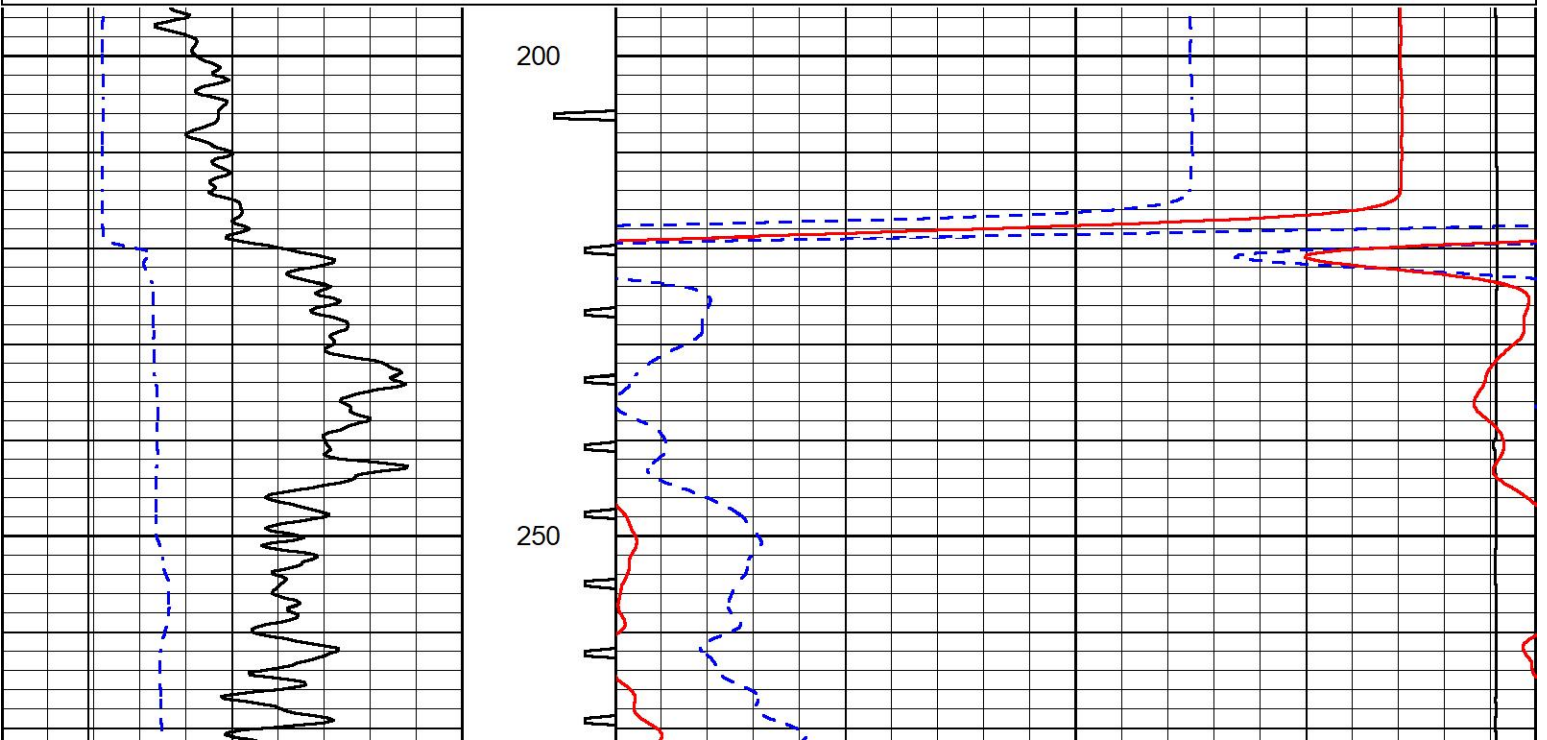
NPORSEL : Neutron Porosity Curve Select
 PERFS : Perforation Flag
 SNDERR : Deep Sonde Error Correction
 SNDERRM : Medium Sonde Error Correction
 SPSHIFT : S.P. Baseline Offset
 SRFTEMP : Surface Temperature
 SZCOR : CN Size Cor. ?
 TDEPTH : Total Depth

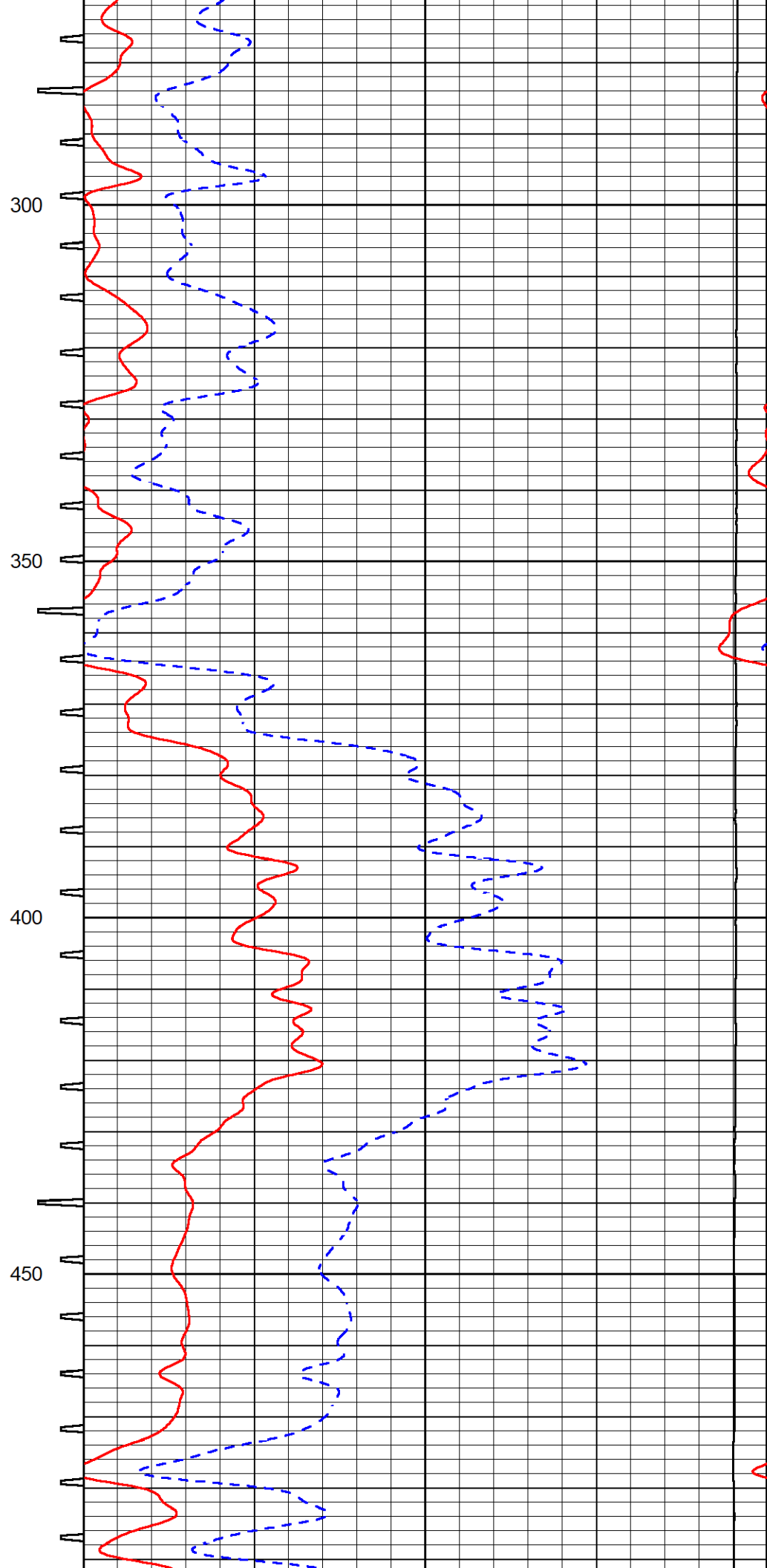
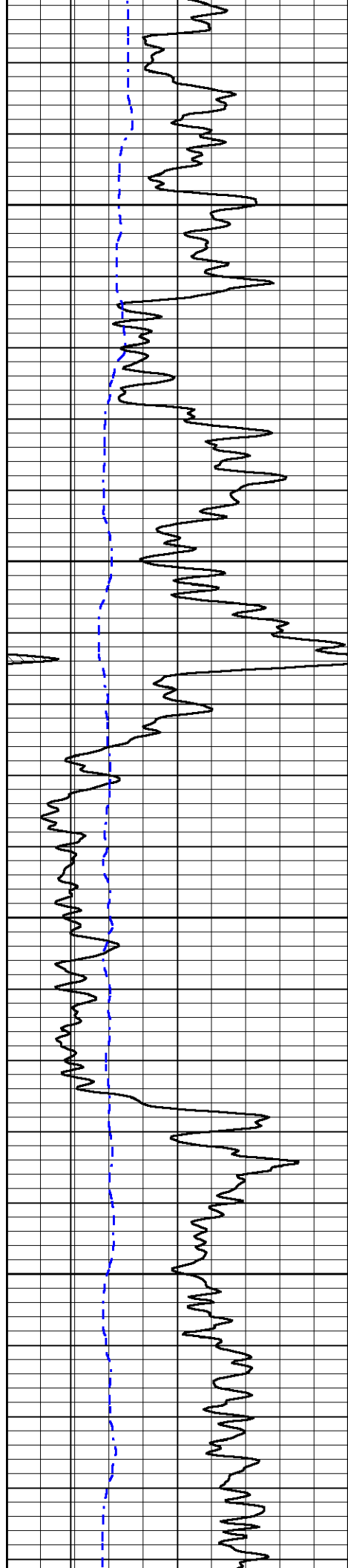


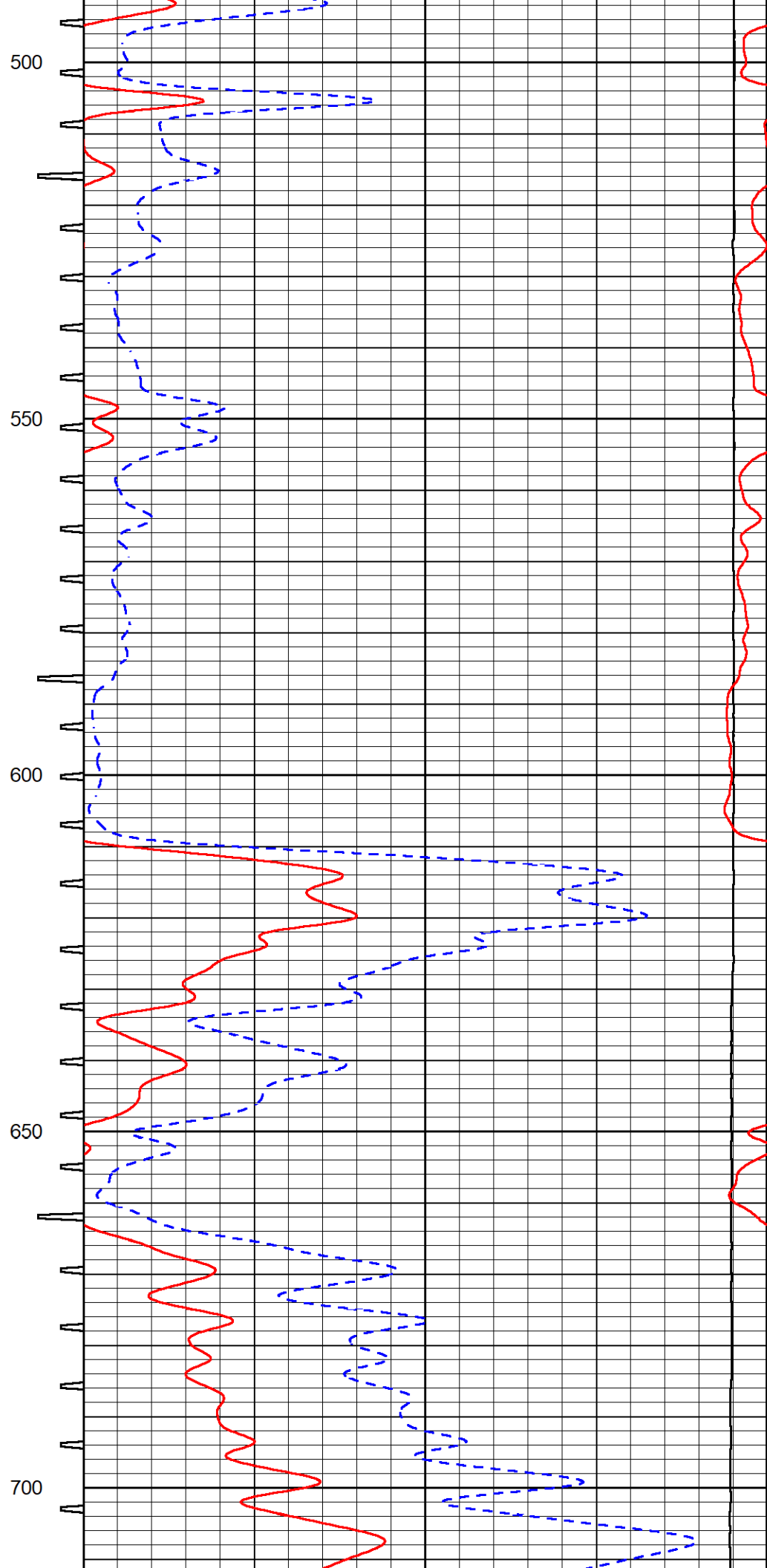
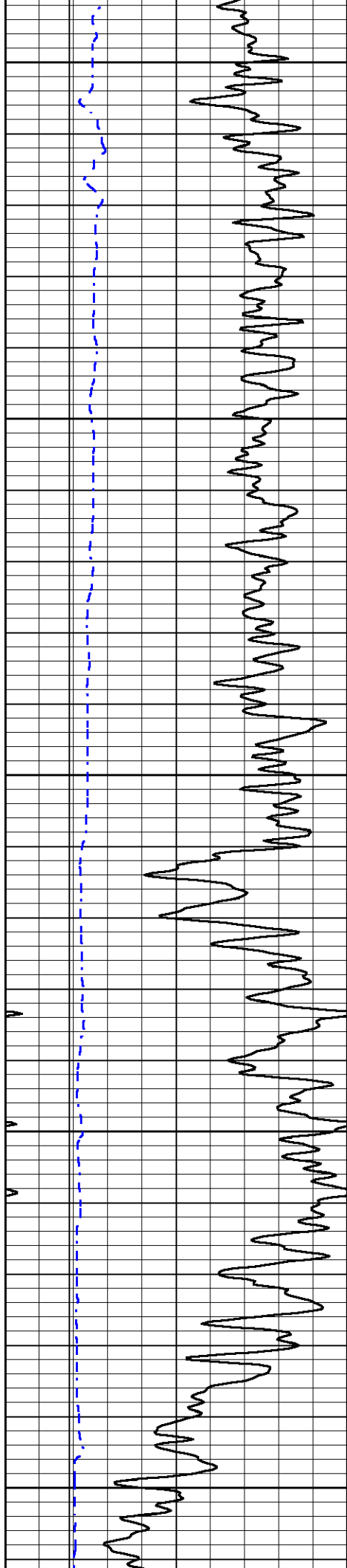
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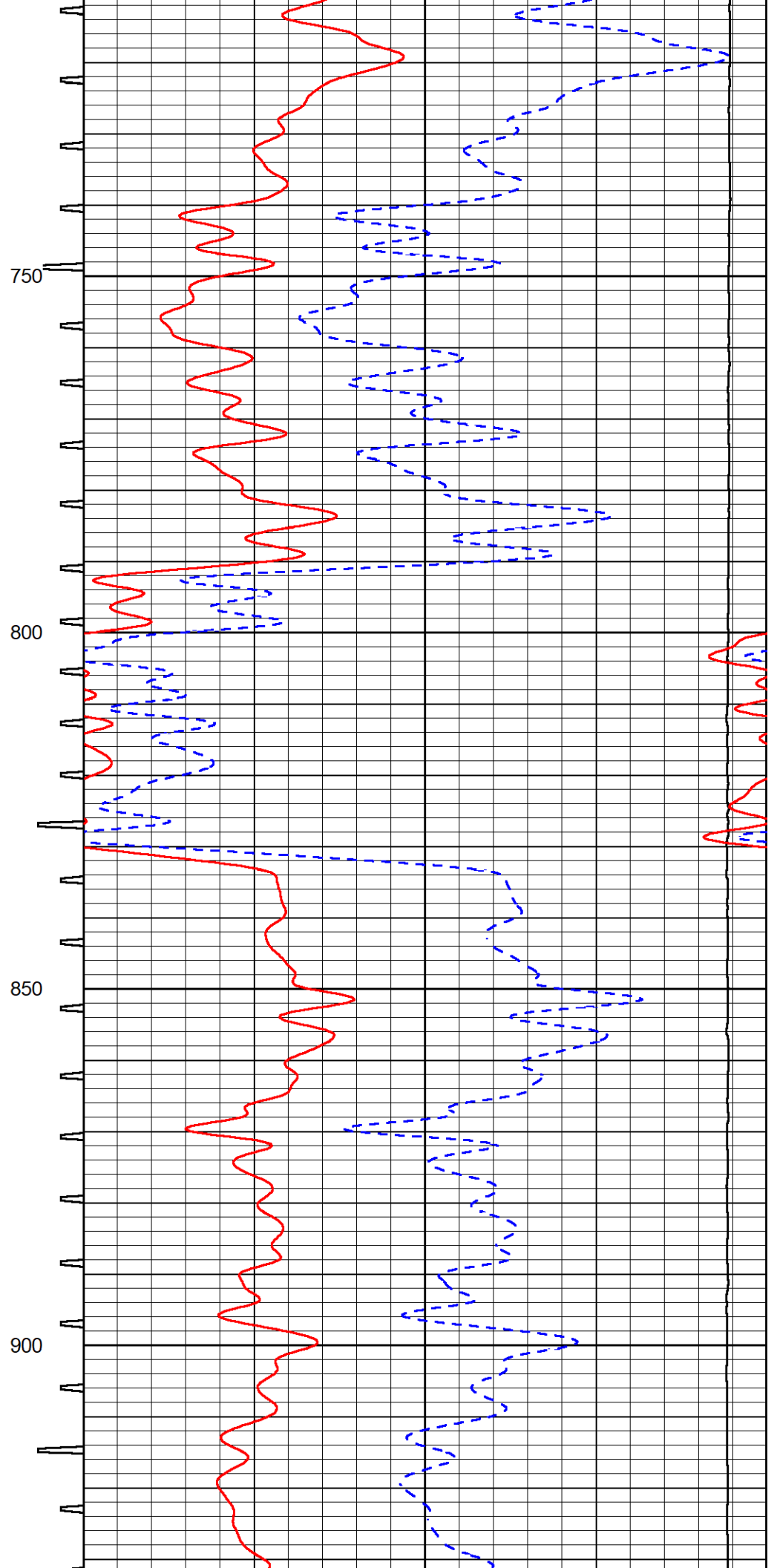
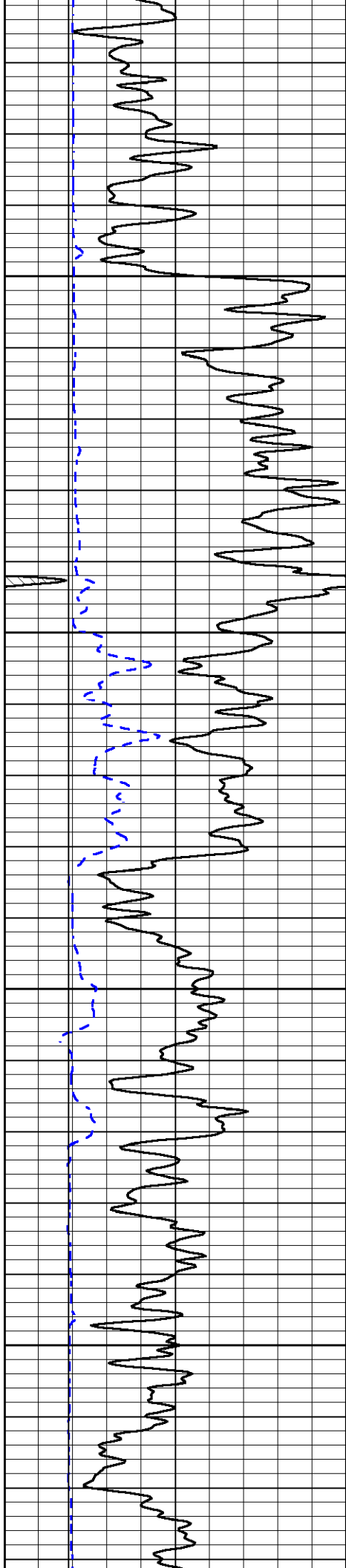
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 Dataset Creation Tue Aug 08 18:22:38 2023
 Charted by Depth in Feet scaled 1:240

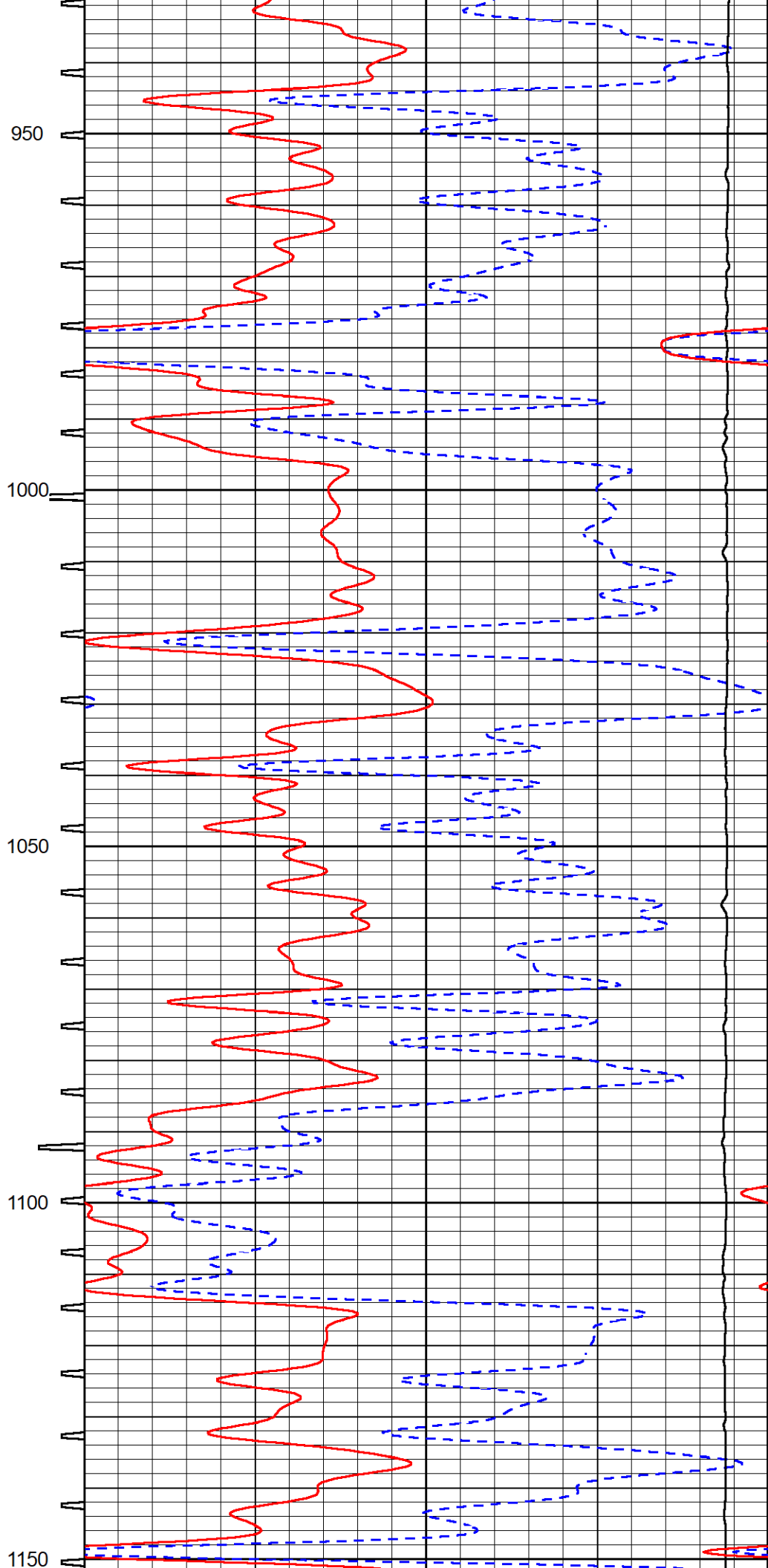
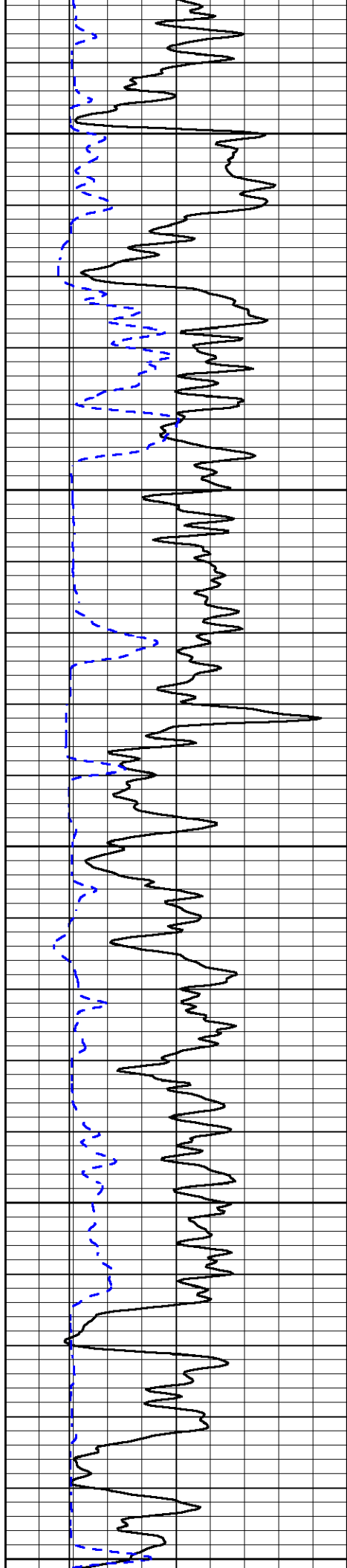
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6	CALIPER (in)	16	TRAVEL TIME	30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0

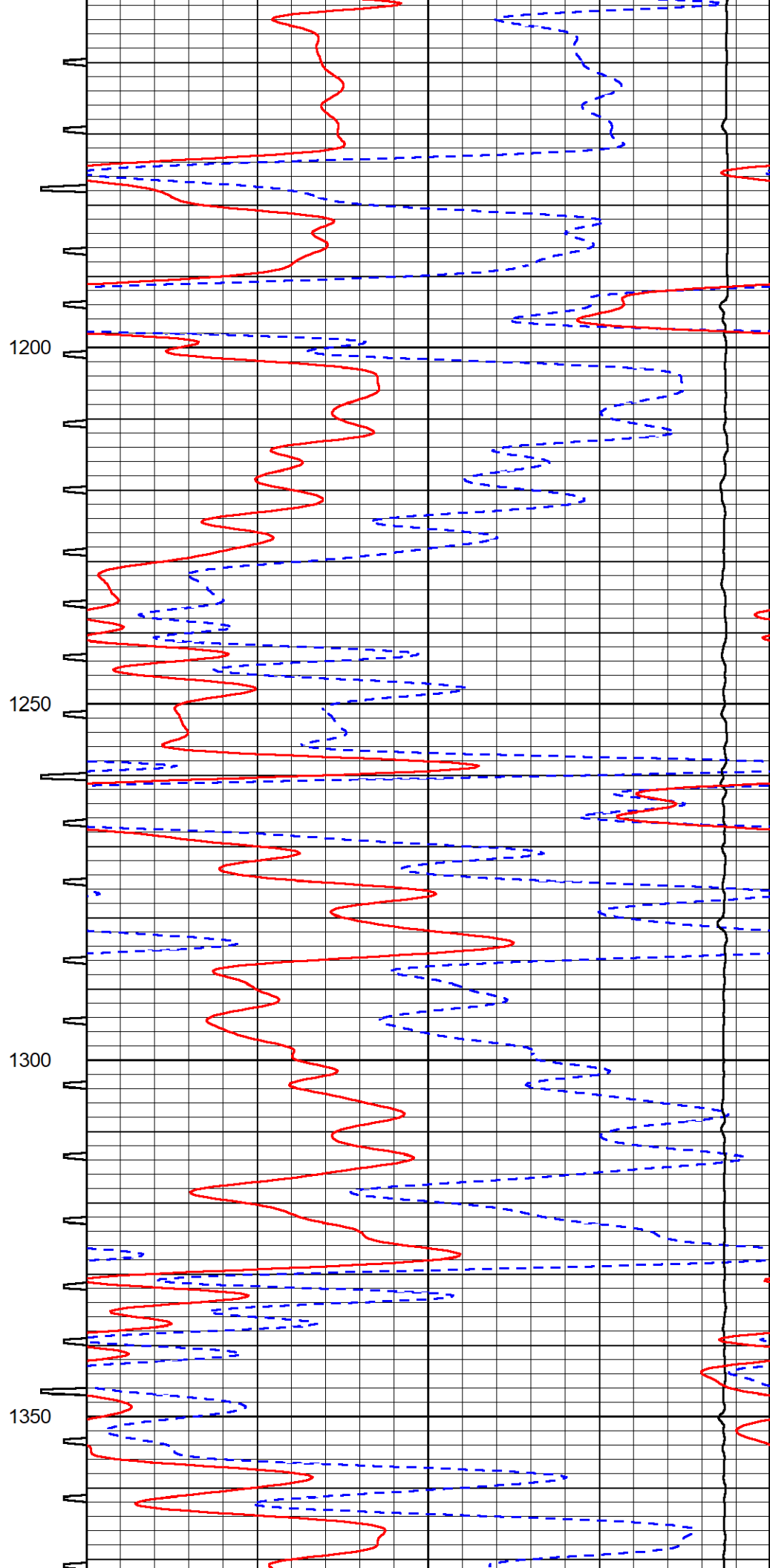
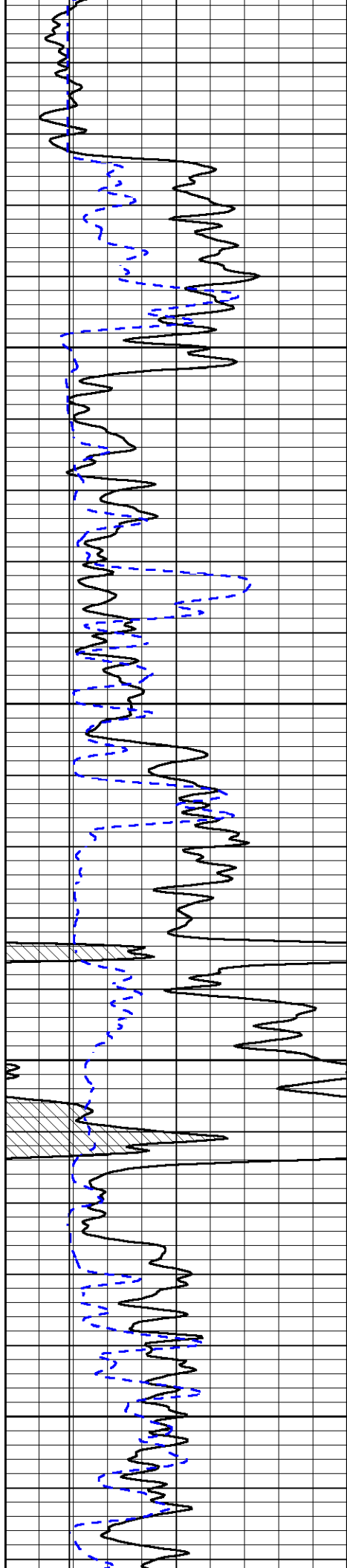


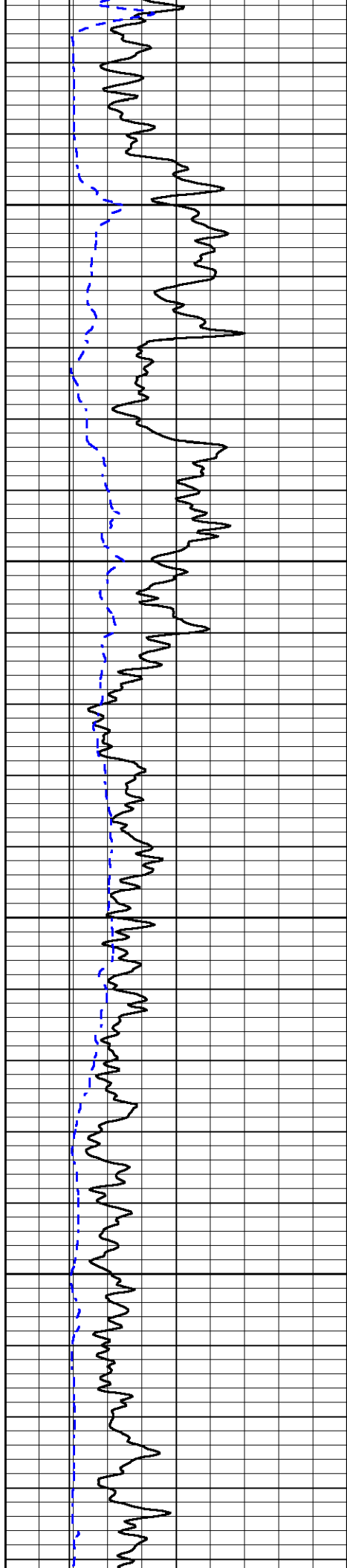










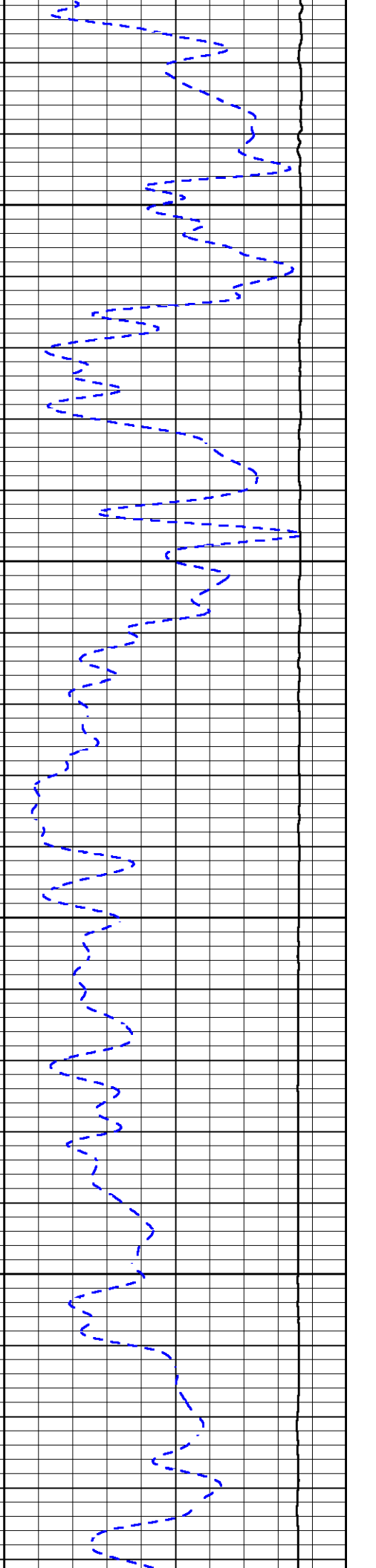
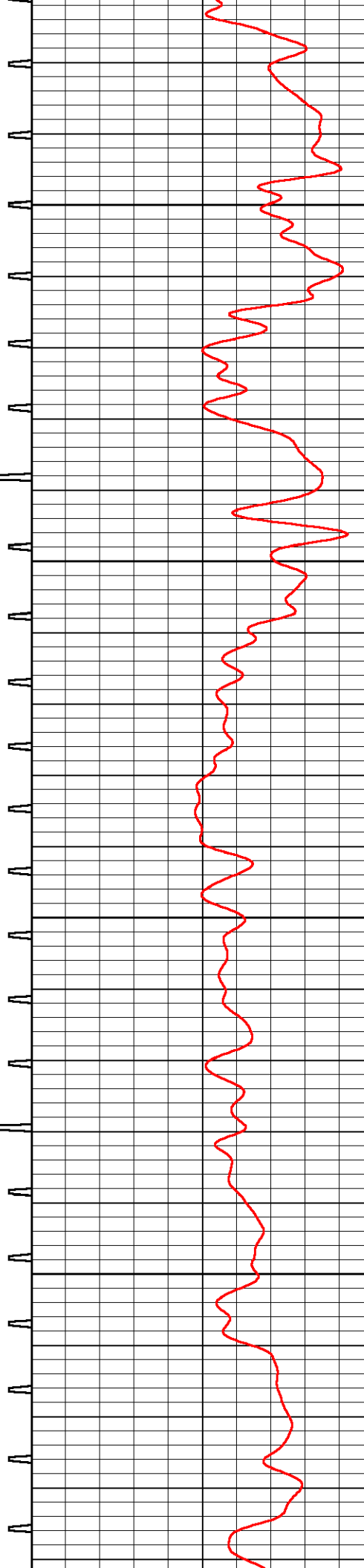


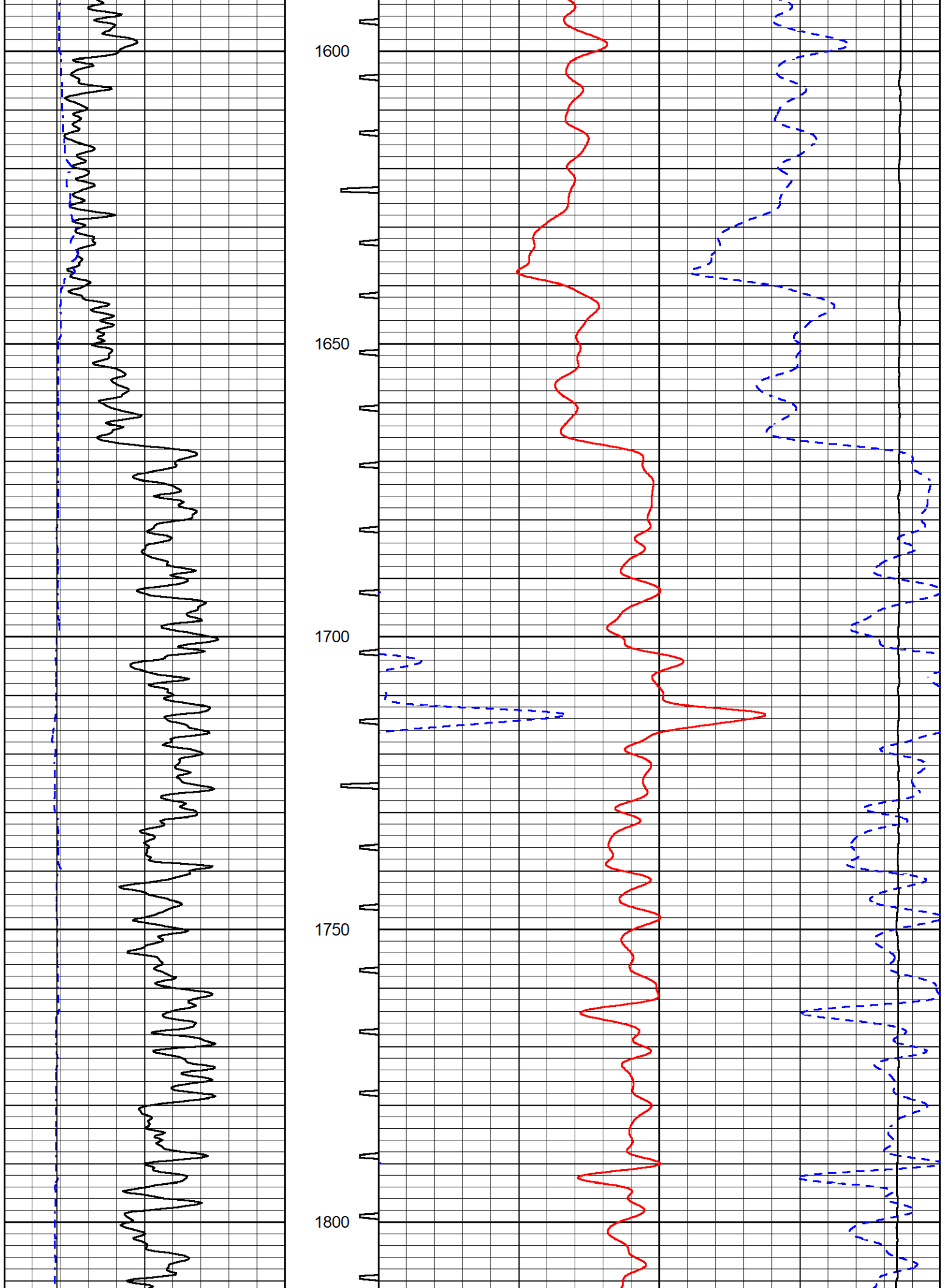
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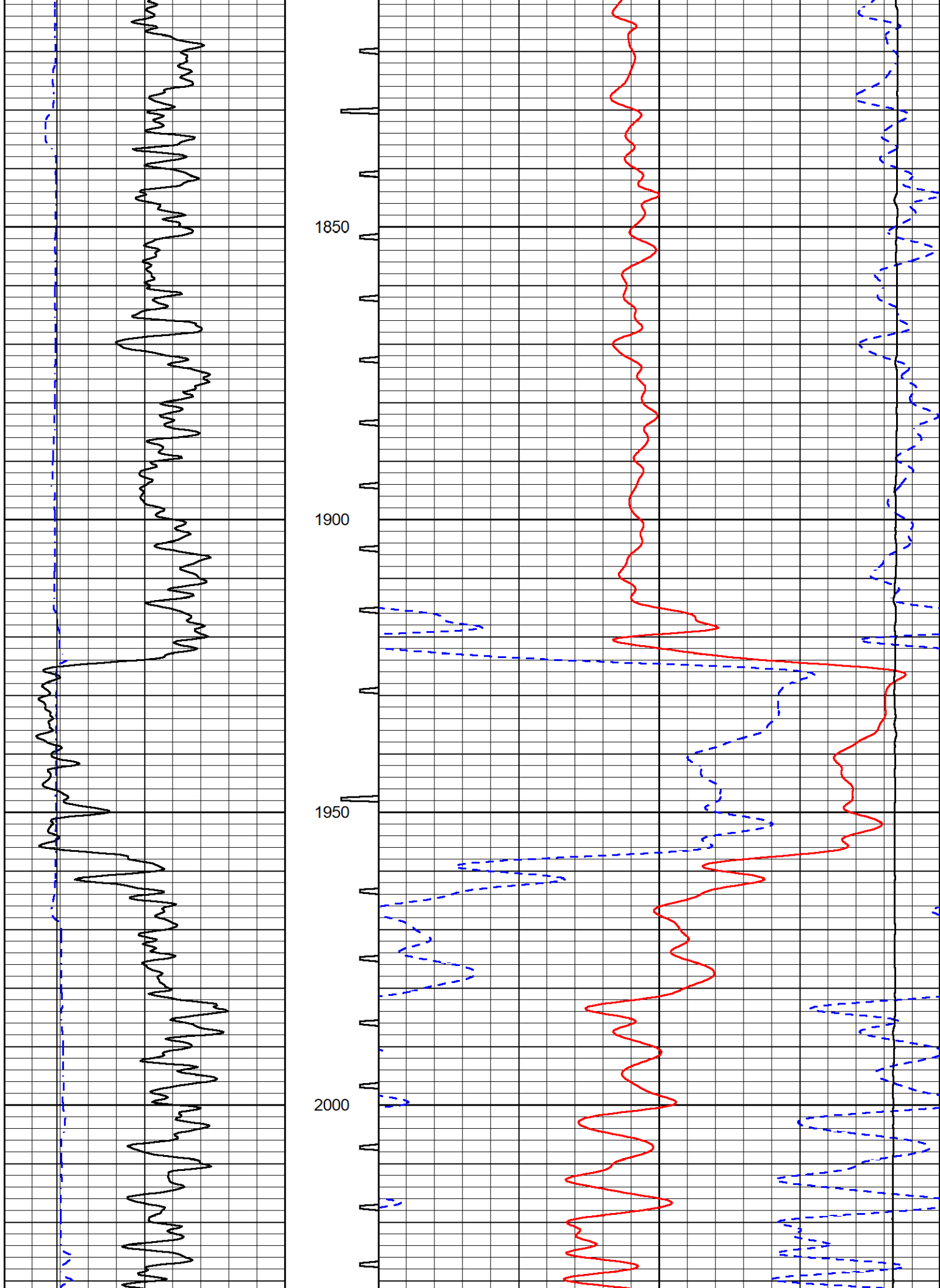
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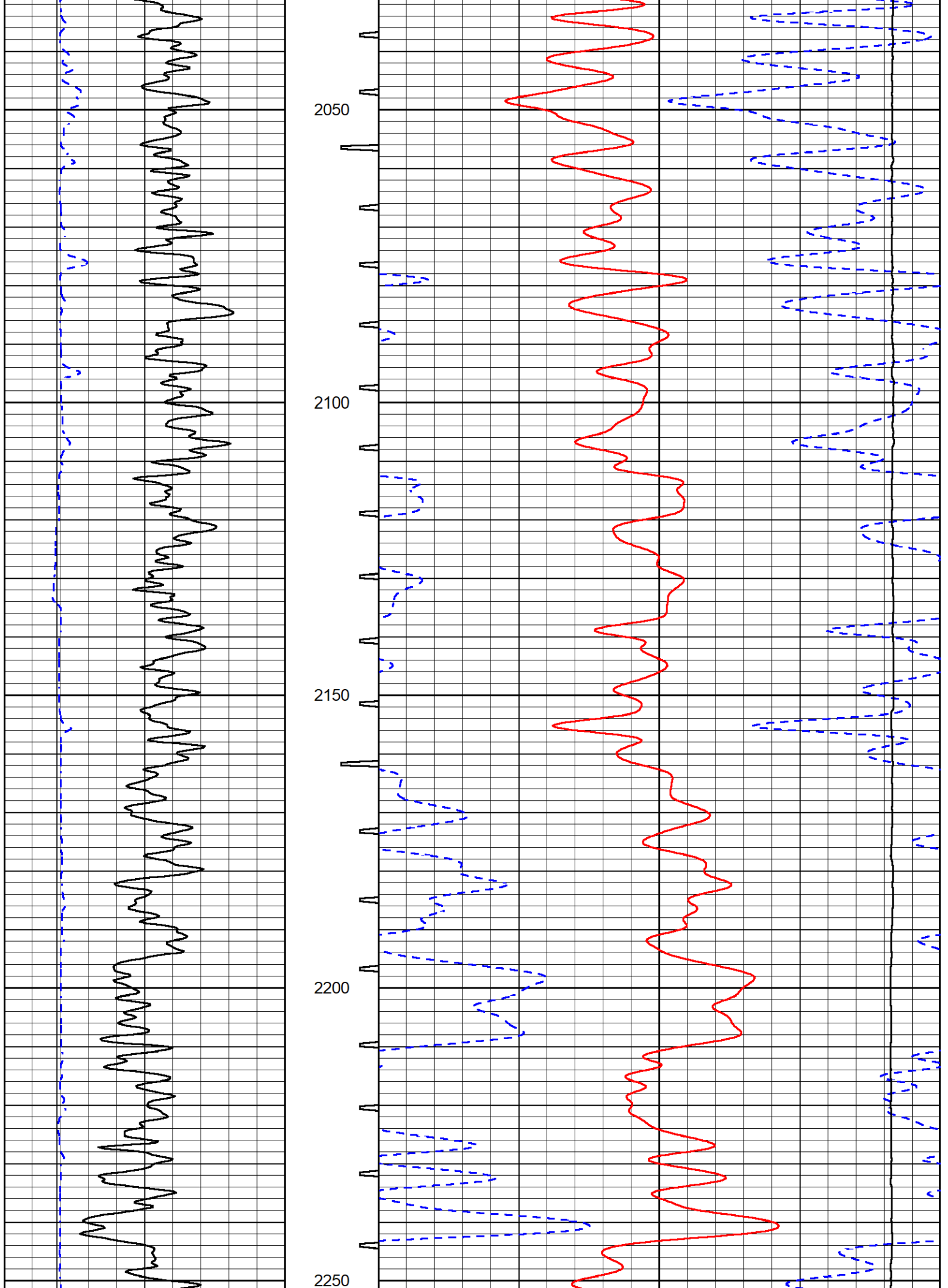
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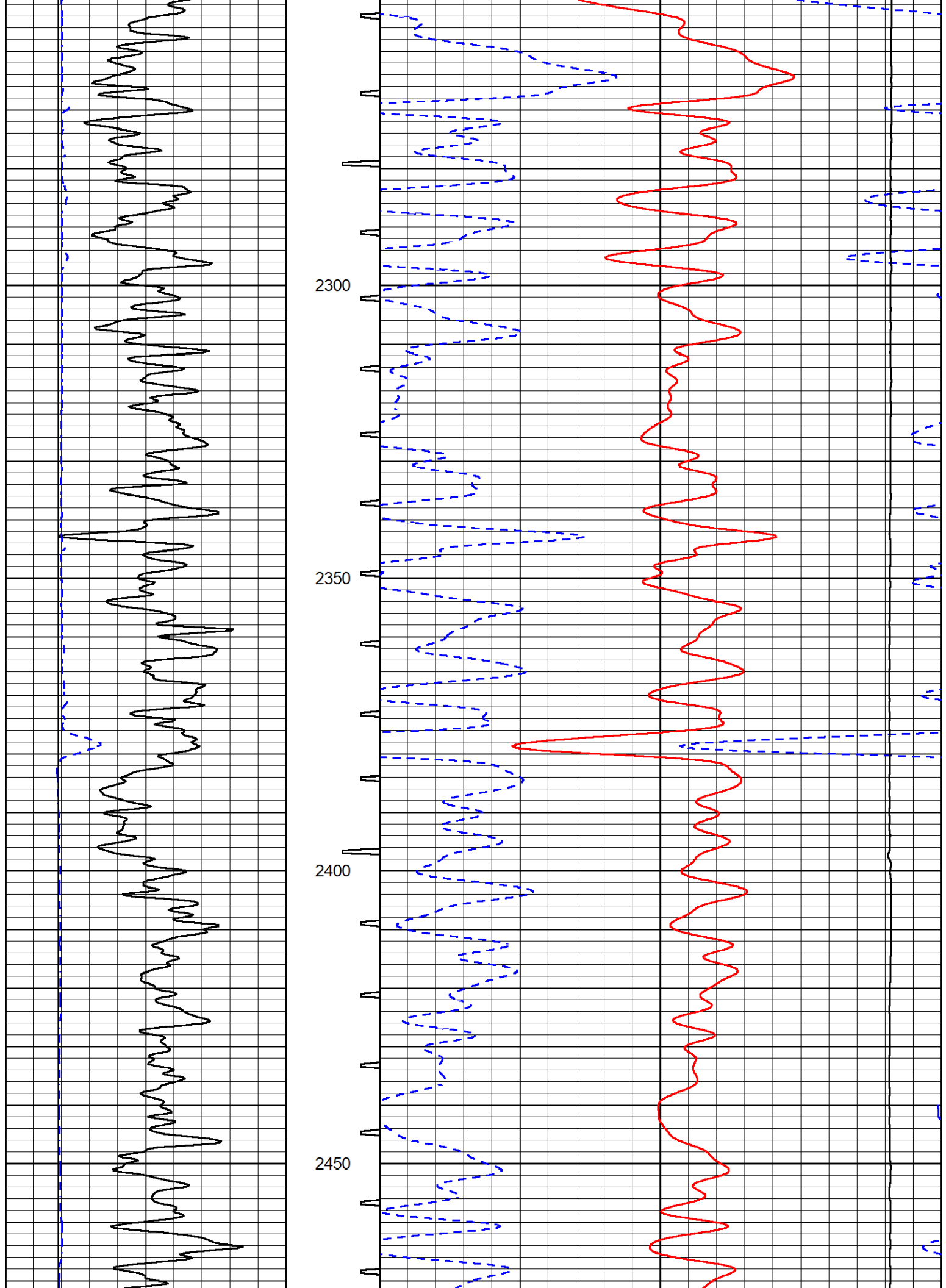
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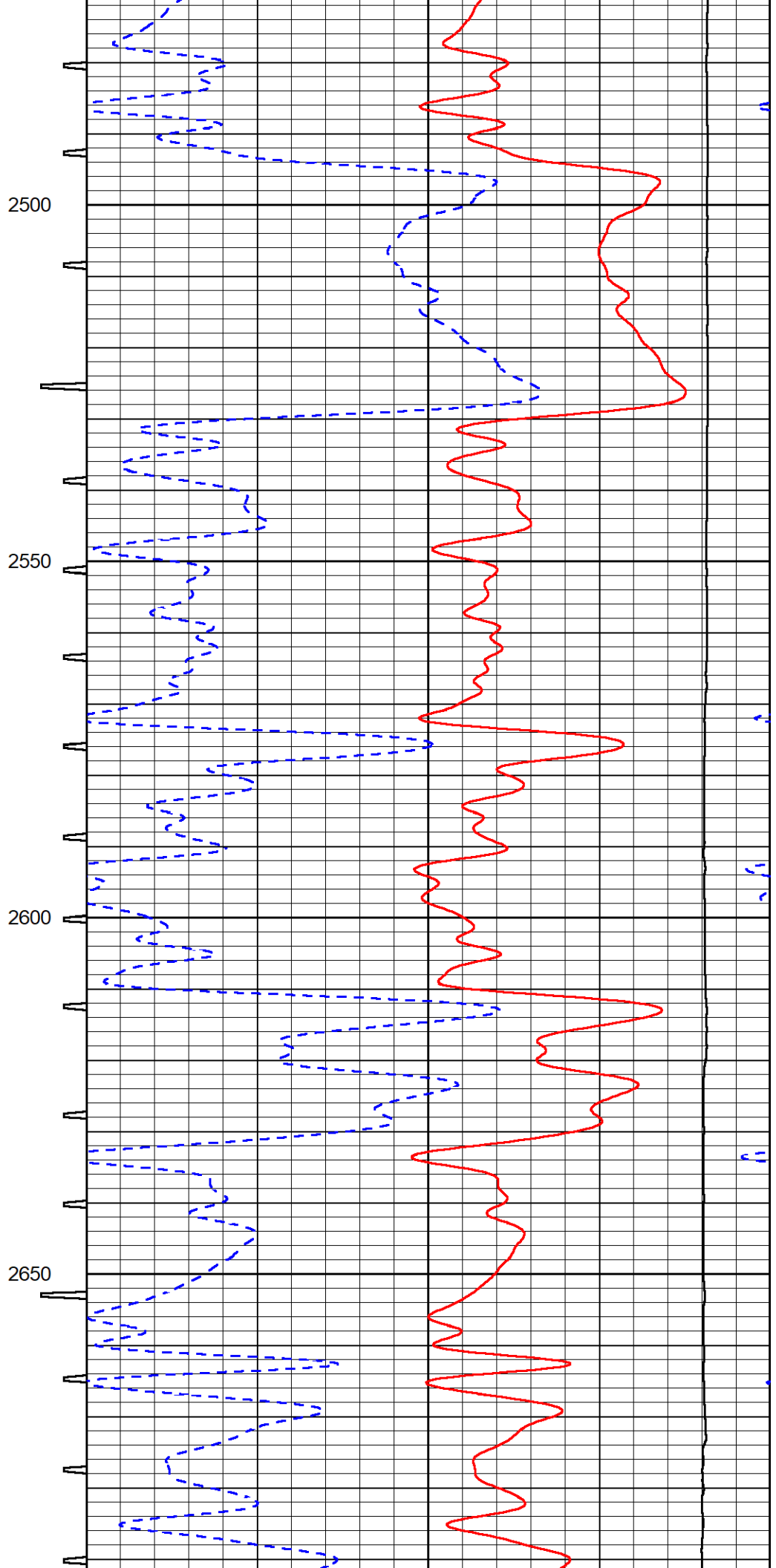
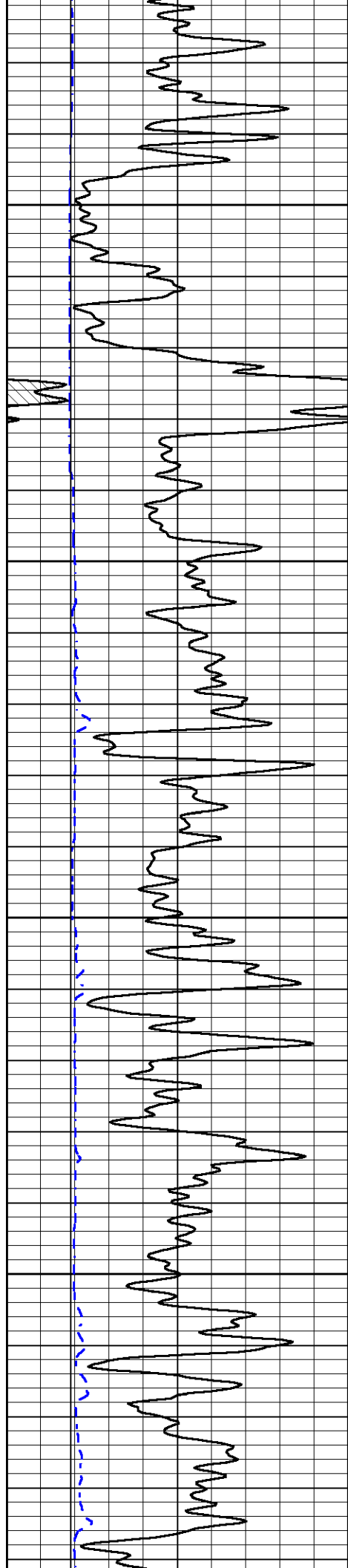


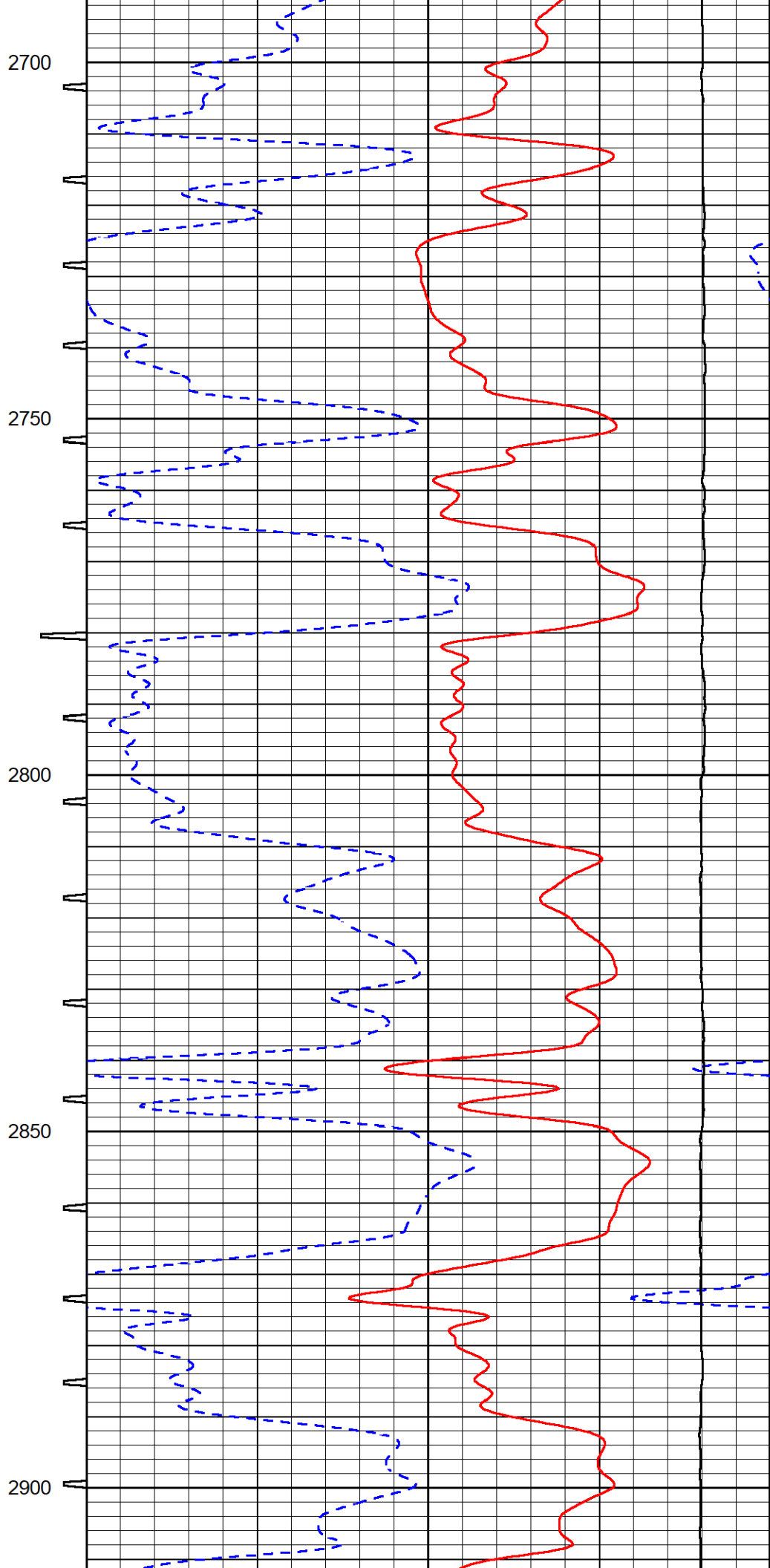
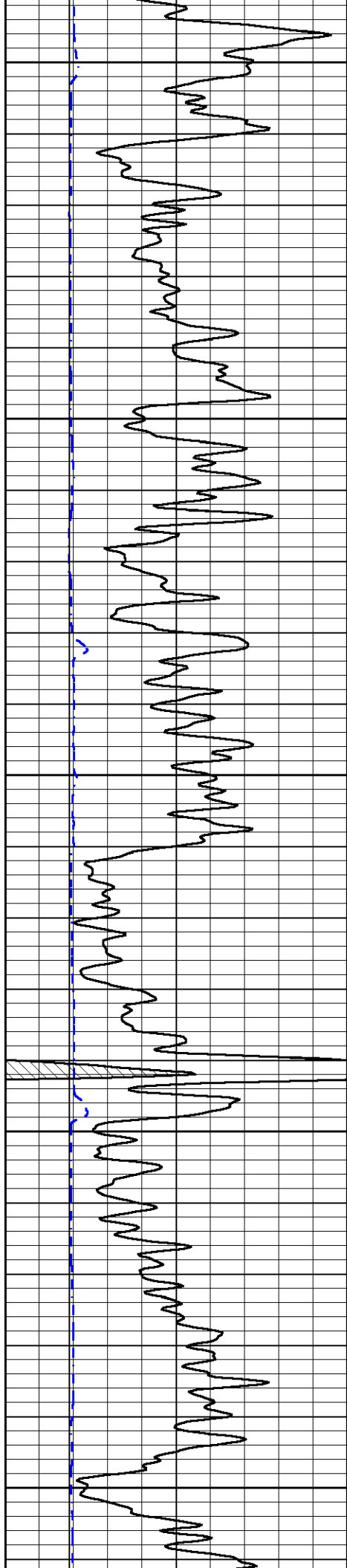


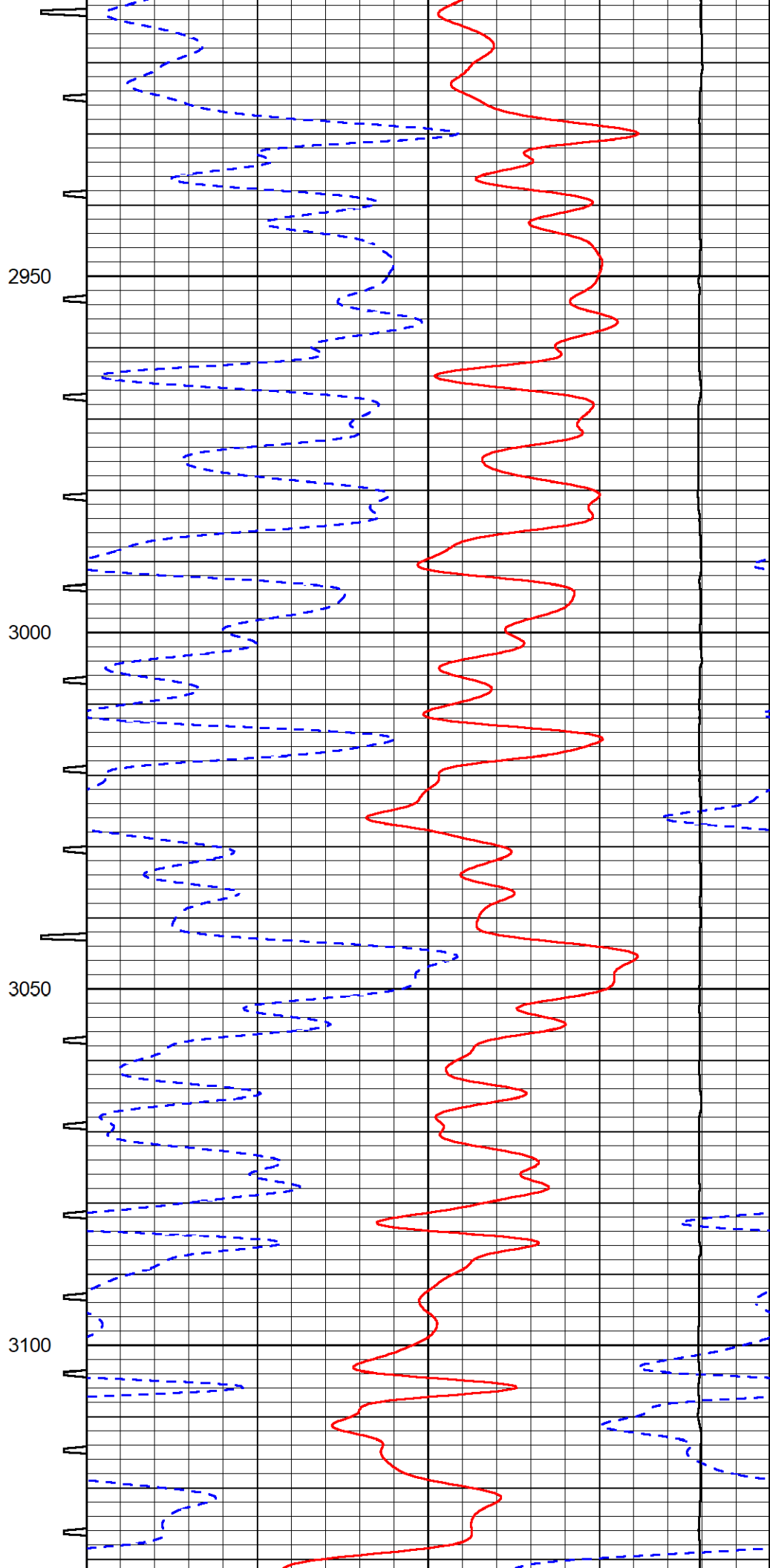
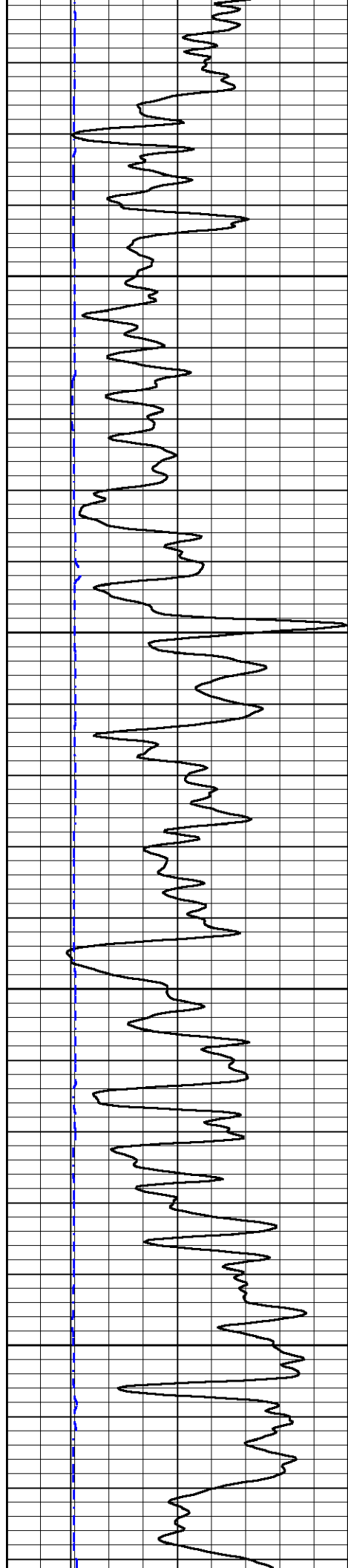


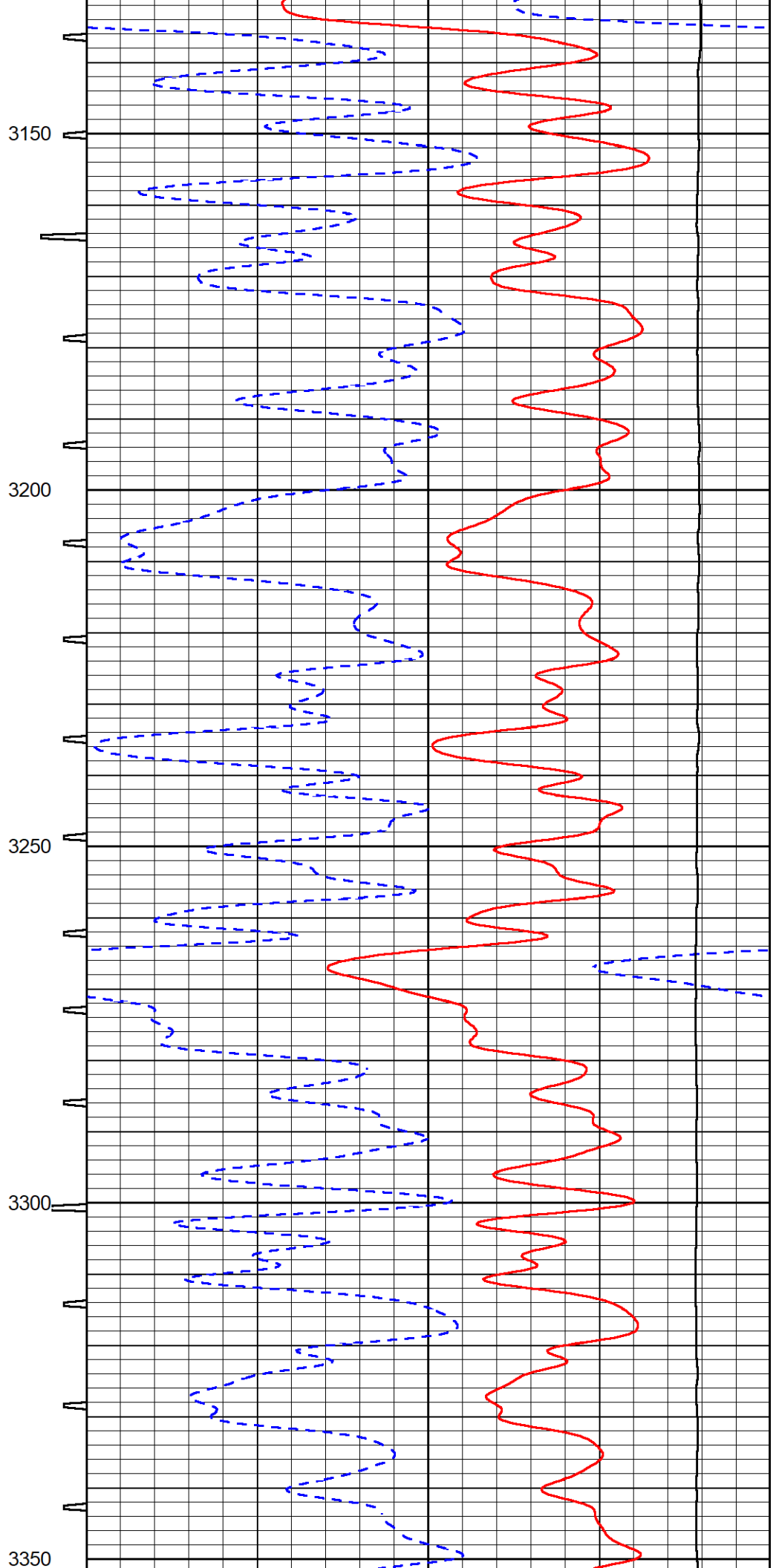
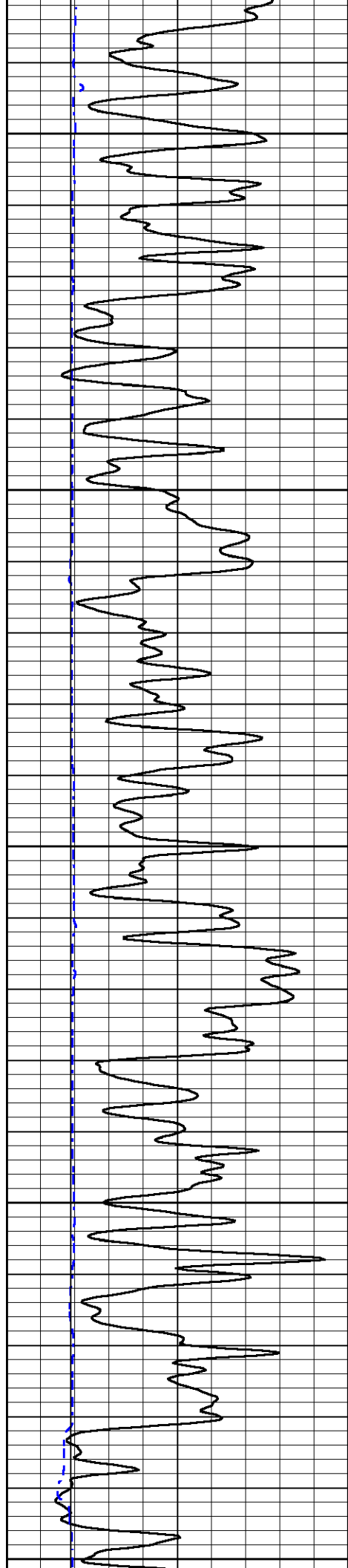


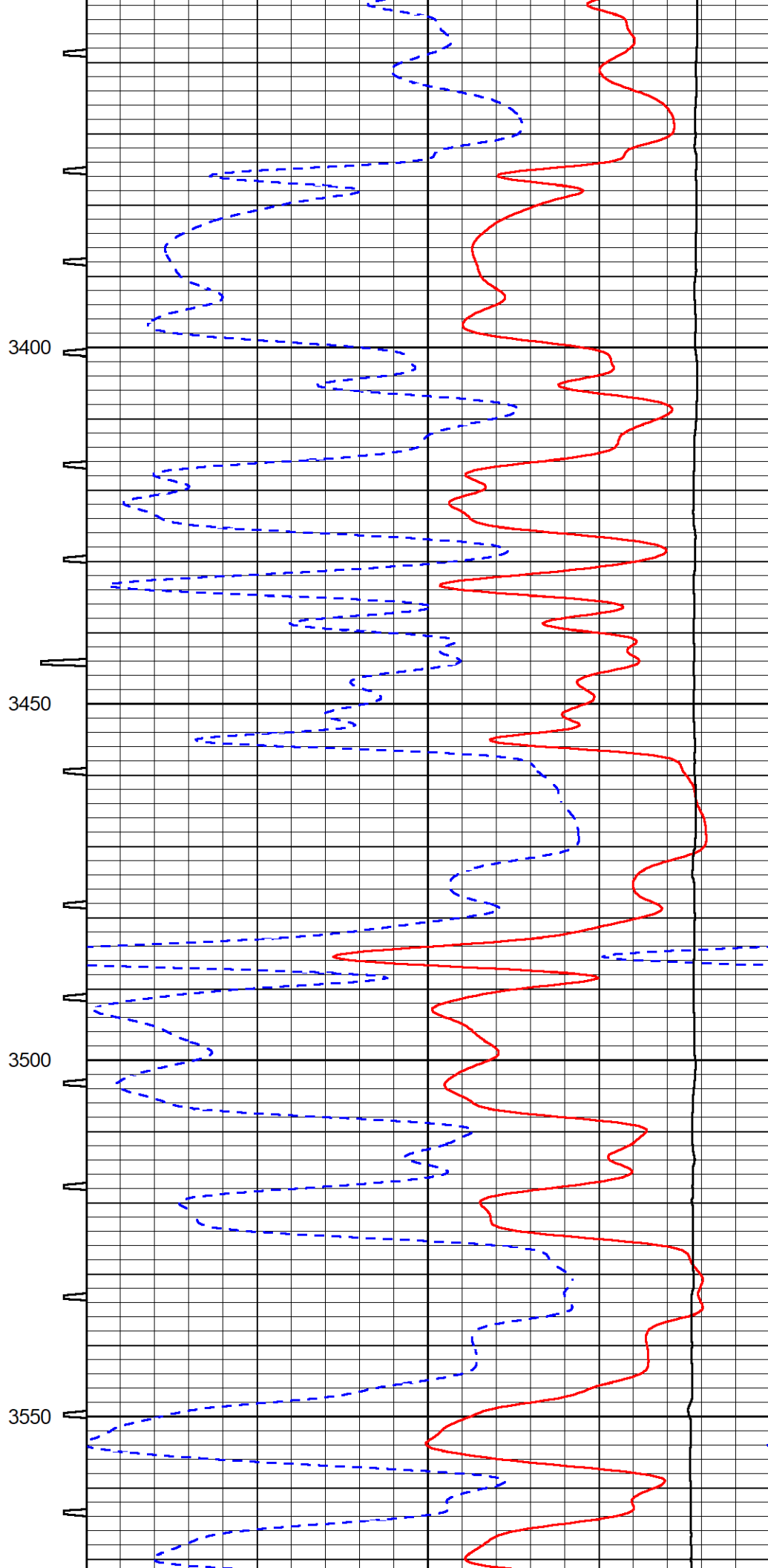
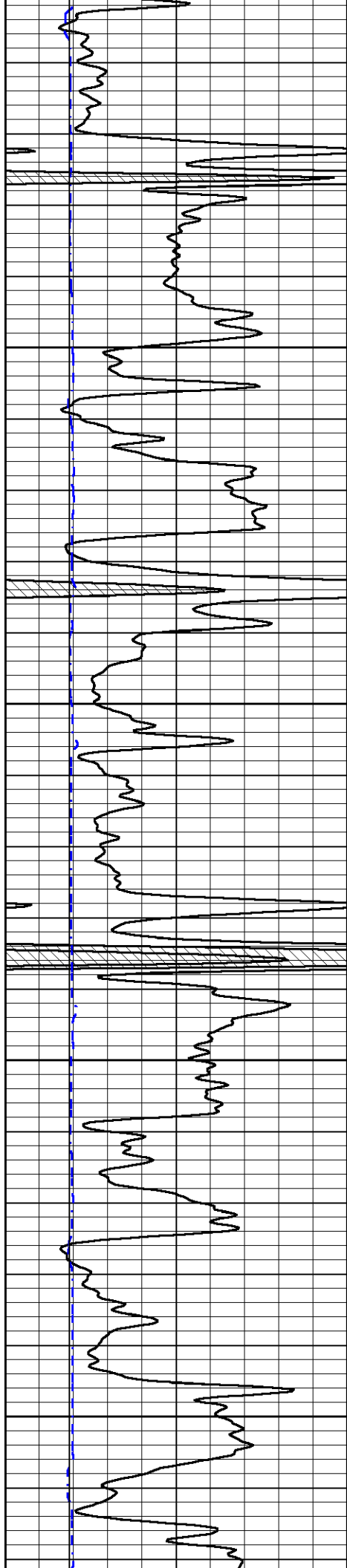


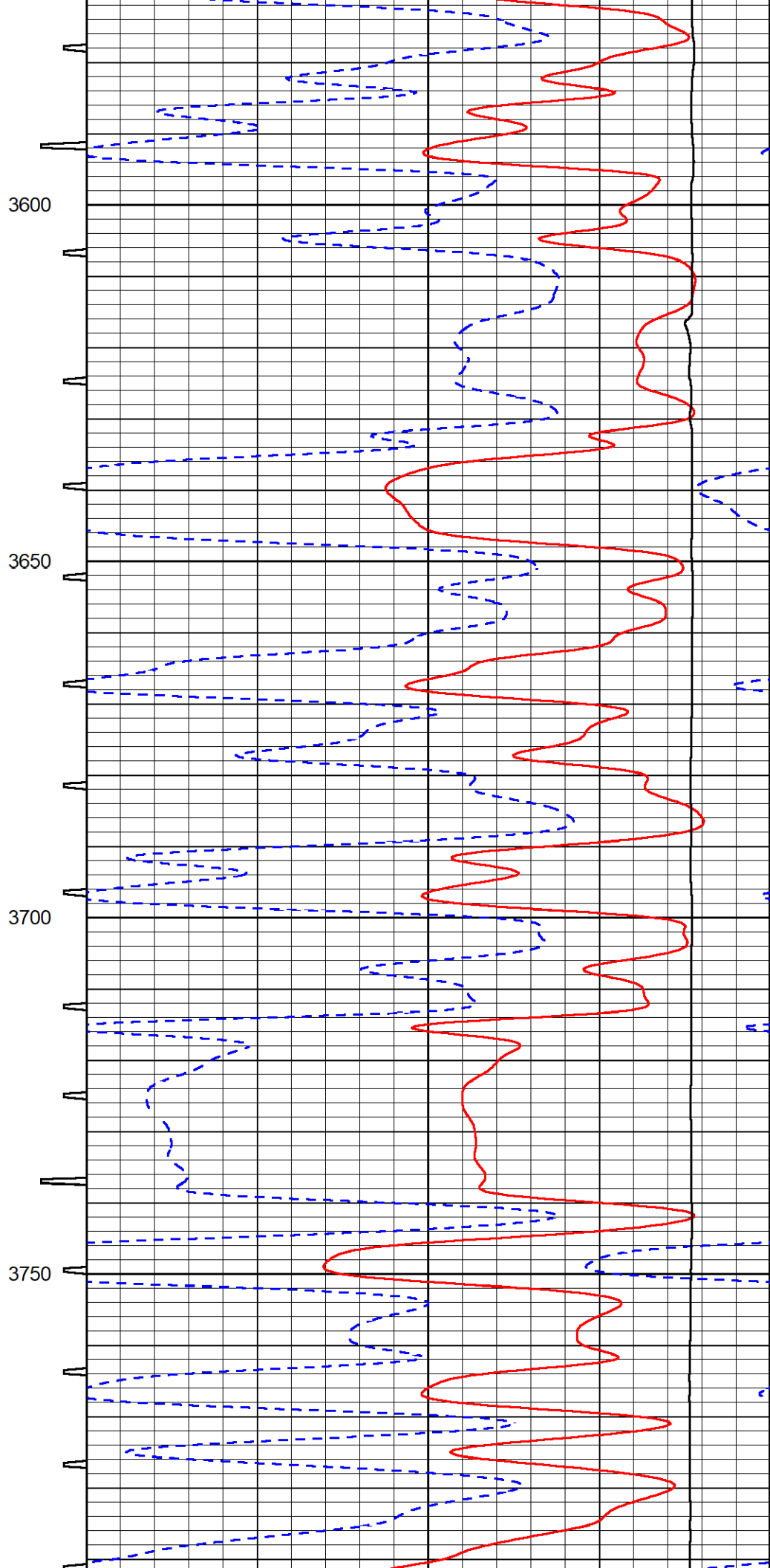
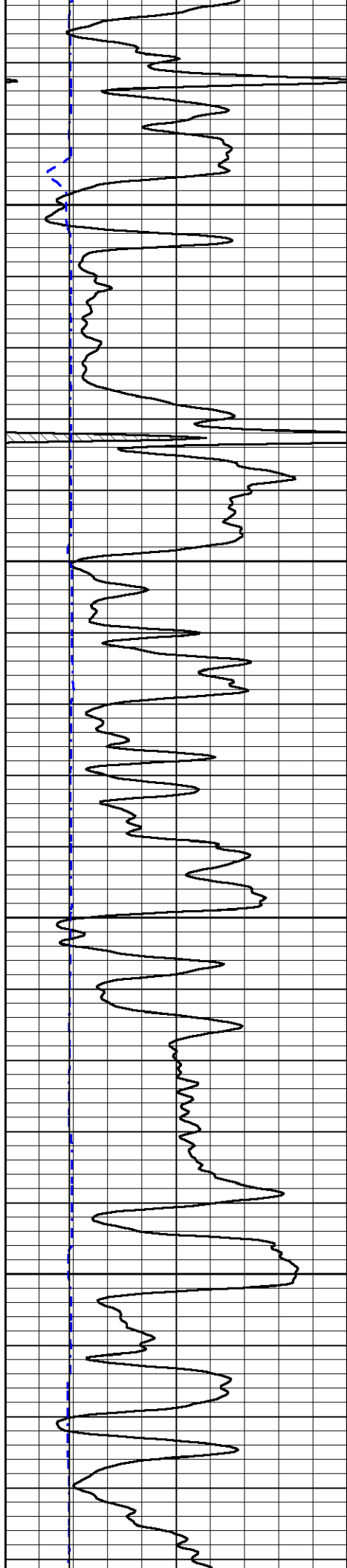


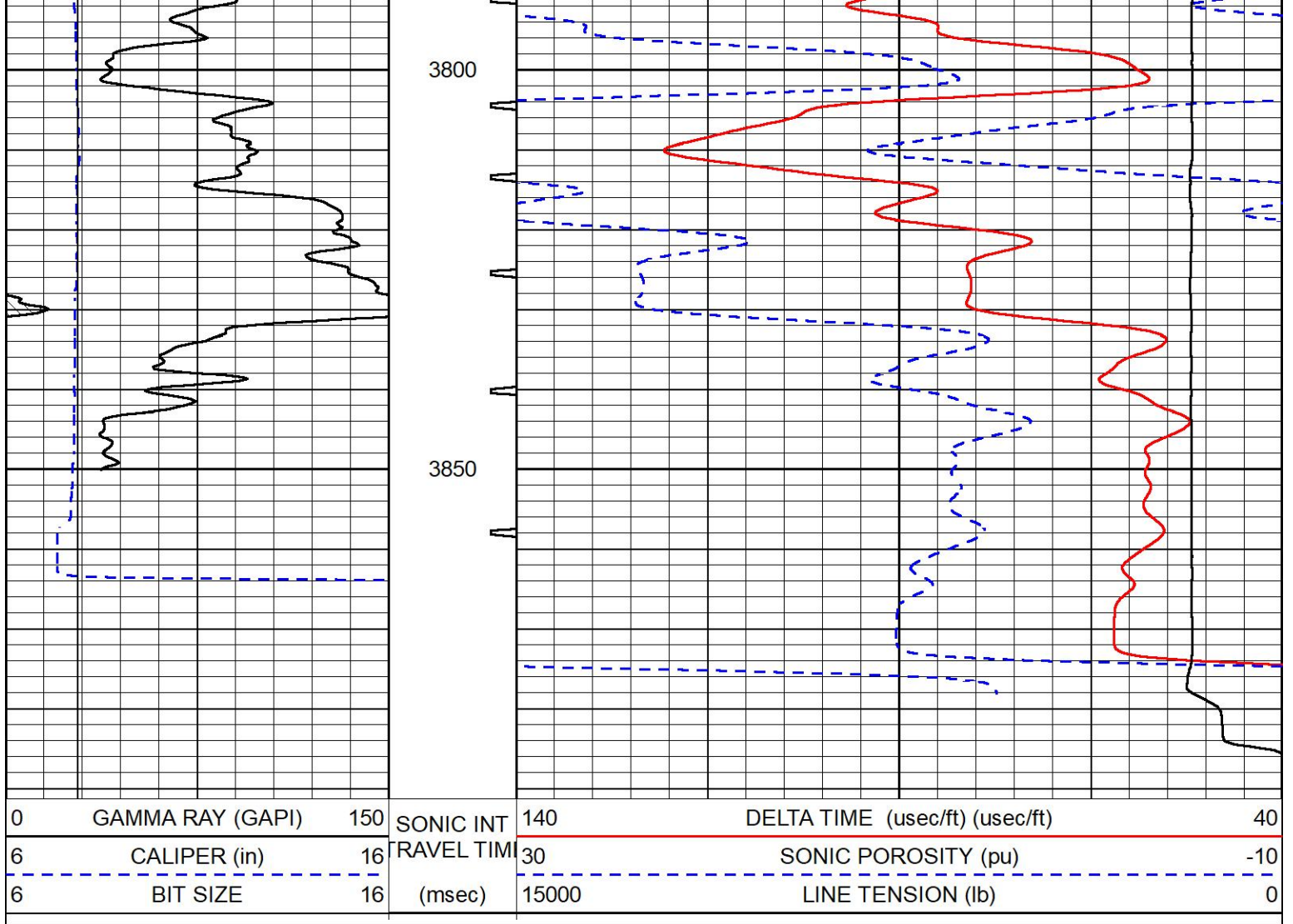








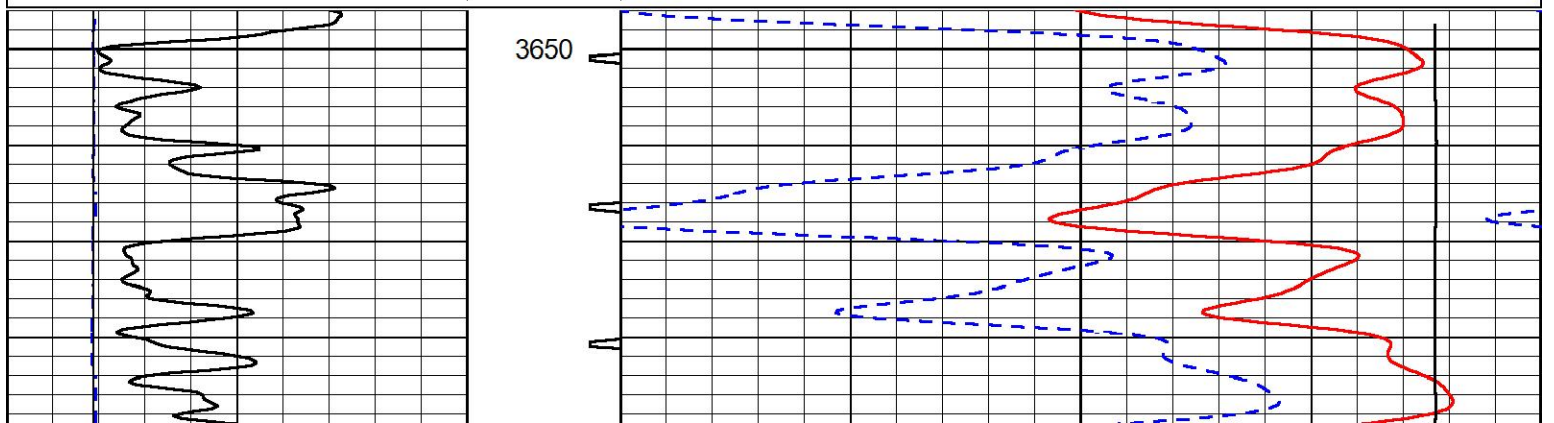


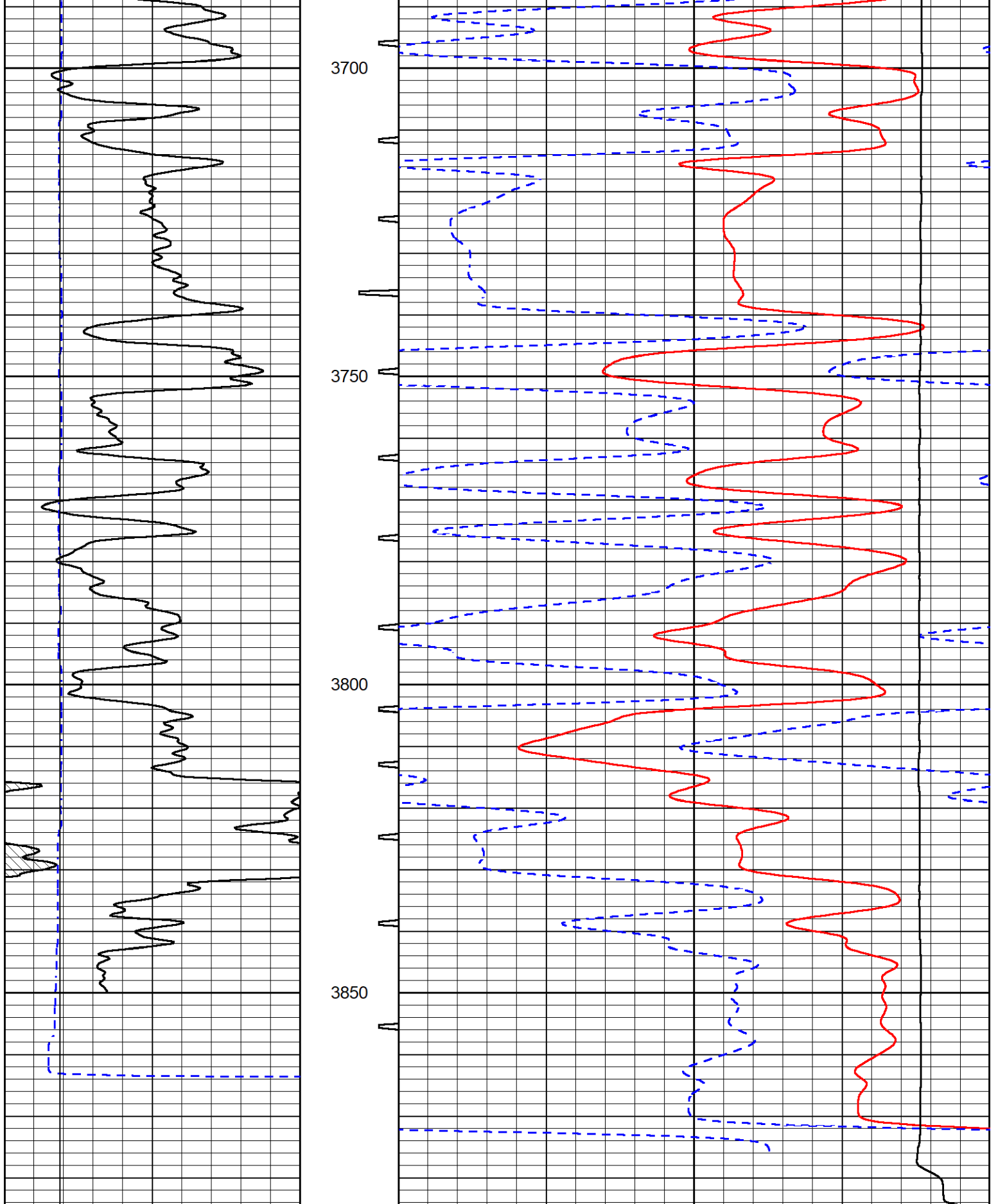


Repeat Section

Database File satchell_worcester_a_2-34.db
 Dataset Pathname Stack/pass3.5
 Presentation Format sonic
 Dataset Creation Tue Aug 08 17:55:40 2023
 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	TRAVEL TIME	30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0





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