



DUAL INDUCTION LOG

MIDWEST WIRELINE

Company Griffin Management, LLC
Well Whitley #2
Field Moffett West
County Barber
State Kansas

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Well Whitley #2
Field Moffett West
County Barber State Kansas

Location: API #: 15-007-24414-00-00

1465 FNL & 2115 FEL

SEC 8 TWP 30S RGE 15W

Permanent Datum Ground Level Elevation 1977
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
MEL
Elevation
K.B. 1982
D.F.
G.L. 1977

Date 5/16/2022

Run Number One

Depth Driller 4834

Depth Logger 4838

Bottom Logged Interval 4837

Top Log Interval 250

Casing Driller 8.625 @ 263

Casing Logger 261

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 7500

Density / Viscosity 9.5 57

pH / Fluid Loss 9.0 10.8

Source of Sample FLOWLINE

Rm @ Meas. Temp 0.30 @ 70

Rmt @ Meas. Temp 0.23 @ 70

Rmc @ Meas. Temp 0.41 @ 70

Source of Rmt / Rmc CHARTS

Rm @ BHT 0.17 @ 124

Operating Rig Time 3 Hours

Max Rec. Temp. F 124

Equipment Number P-108

Location HAYS

Recorded By D. Schmidt

Witnessed By Charles Griffin

<<< 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.

Croft,
South to 110, 1 East, South to county line,
South to location

Log Measured From: Kelly Bushing 5 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: D. Schmidt
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Charles Griffin
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\griffin_whitley 2.db
Dataset field/well/stkml/pass4.10/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 124	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m 0	mmho/m 0	mV 460	degF 70	Off	ft 4838

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

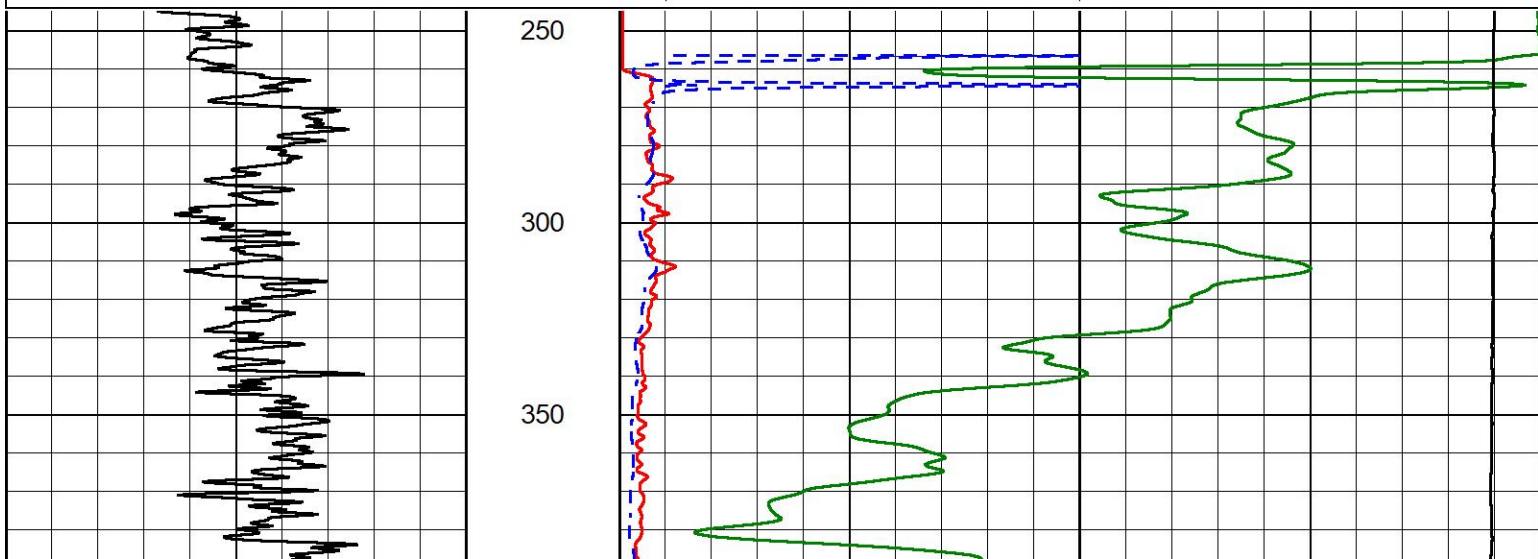


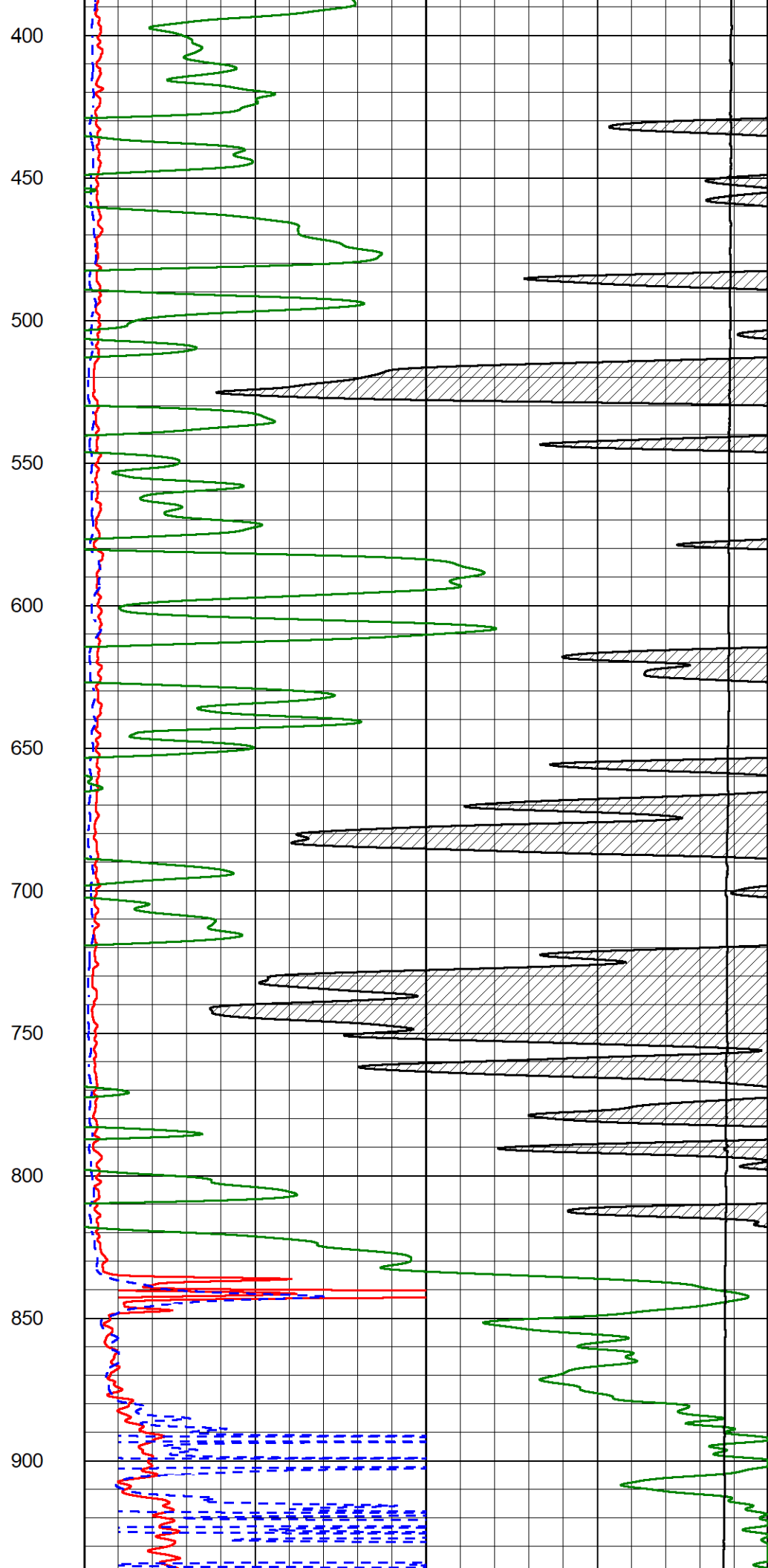
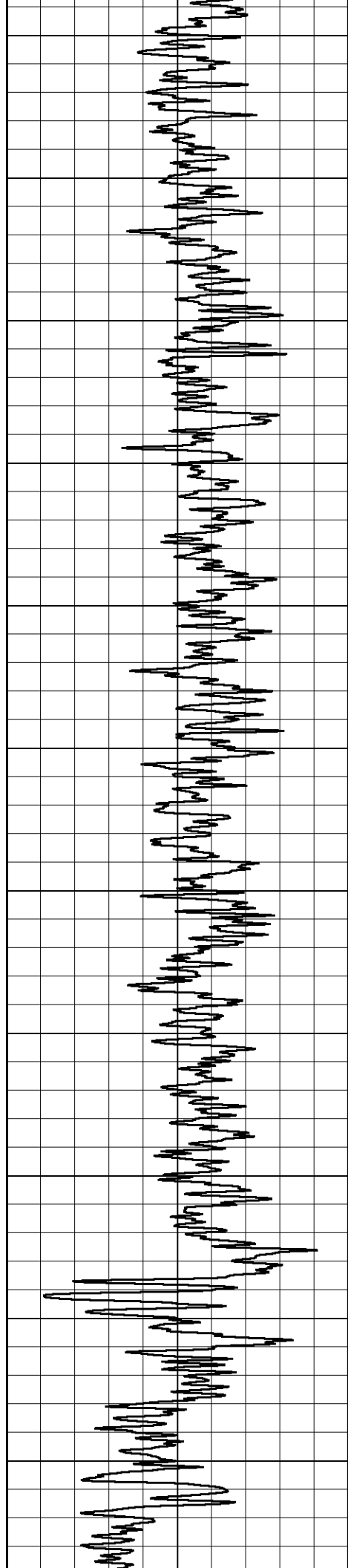
2" SCALE RESISTIVITY

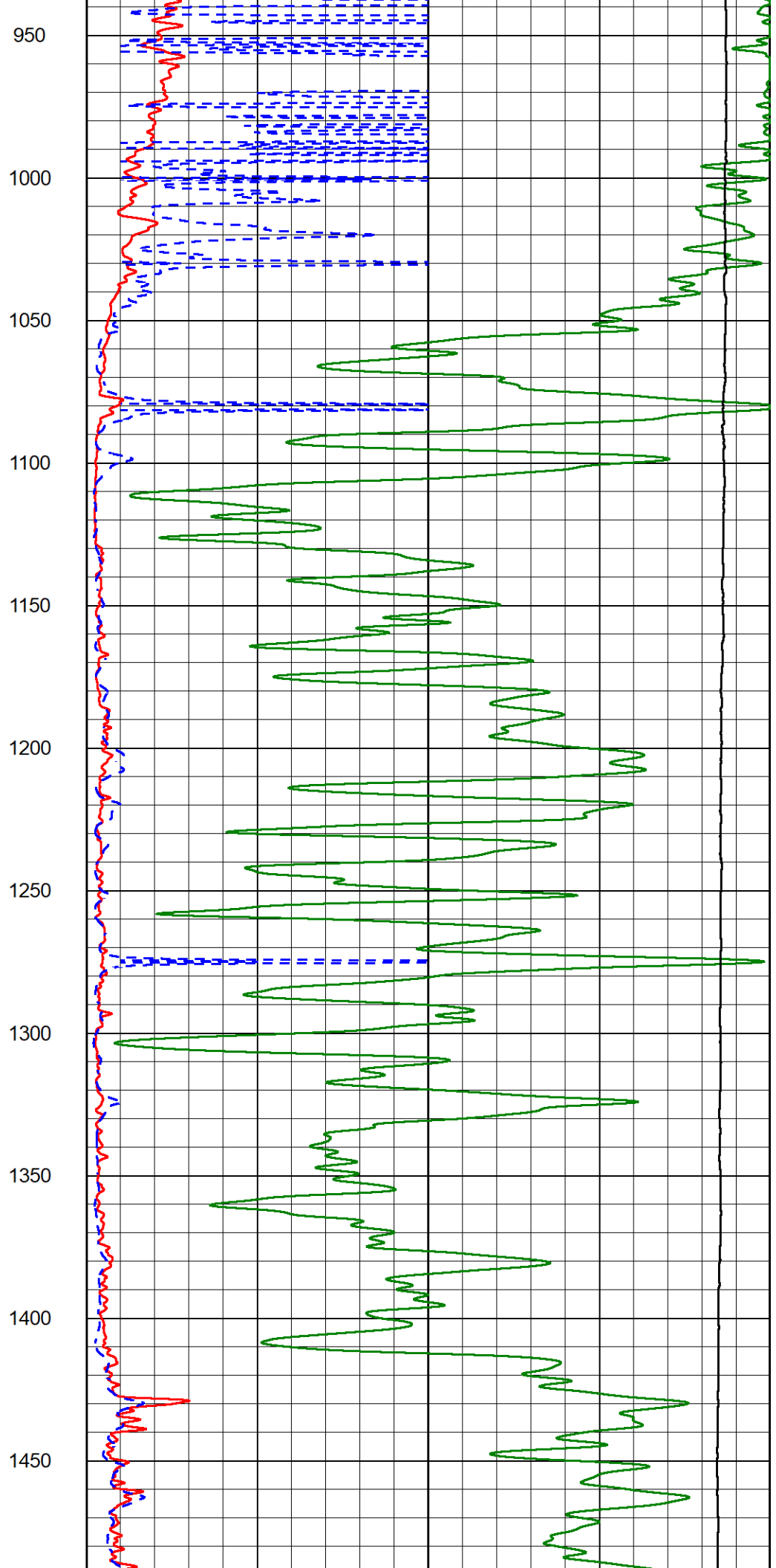
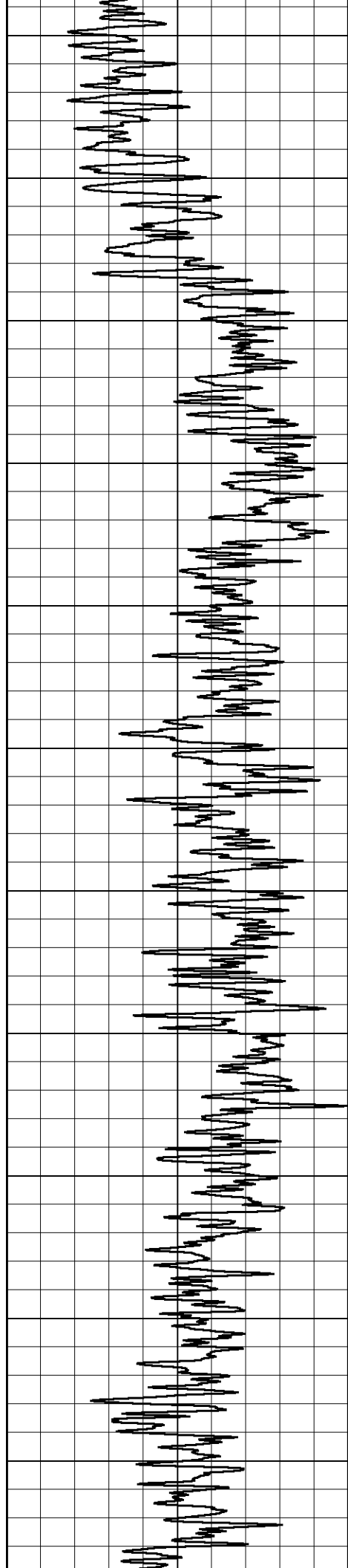
MAIN PASS

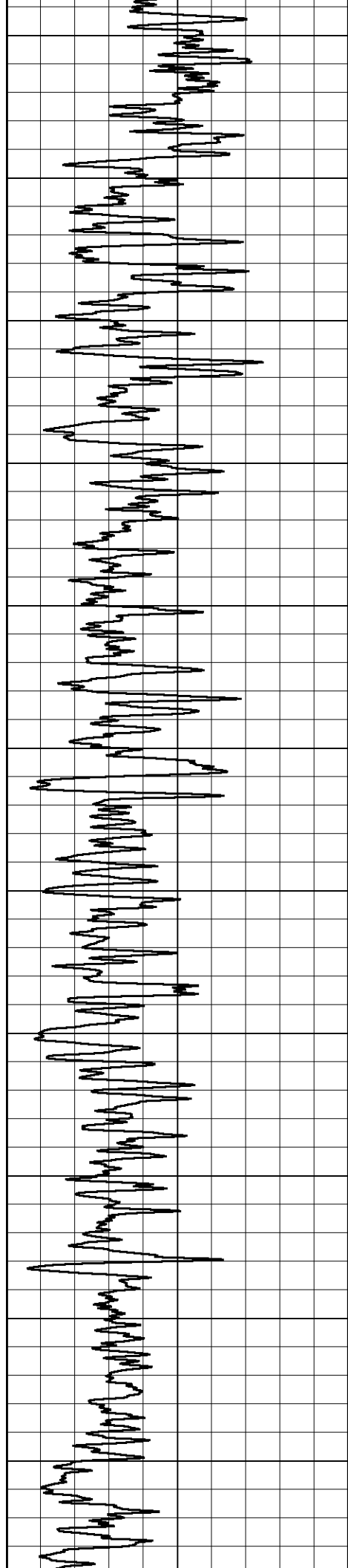
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Dataset Pathname stkml/pass4.3
Presentation Format _dil2in
Dataset Creation Mon May 16 06:36:05 2022
Charted by Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150	1000	Conductivity (mmho/m)	0
			15000	Line Tension (lb)	0
			0	Shallow Resistivity (Ohm-m)	50
			0	Deep Resistivity (Ohm-m)	50
				Shallow Resistivity	
			50	(Ohm-m)	200
			50	Deep Resistivity (Ohm-m)	200

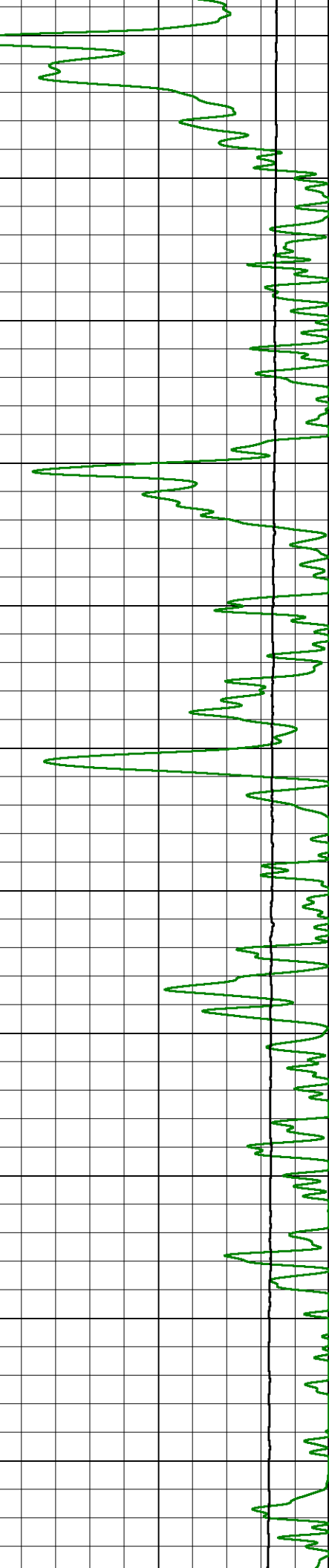
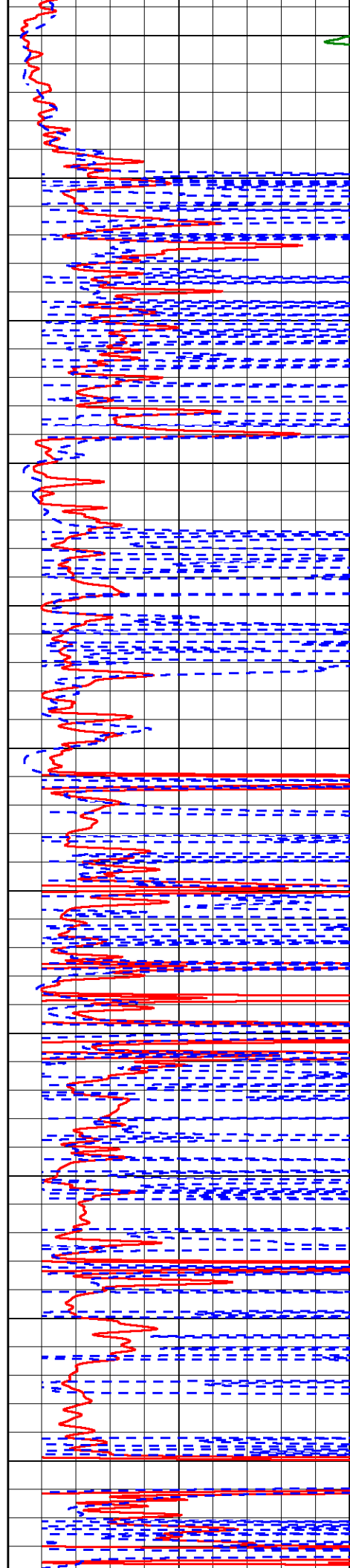


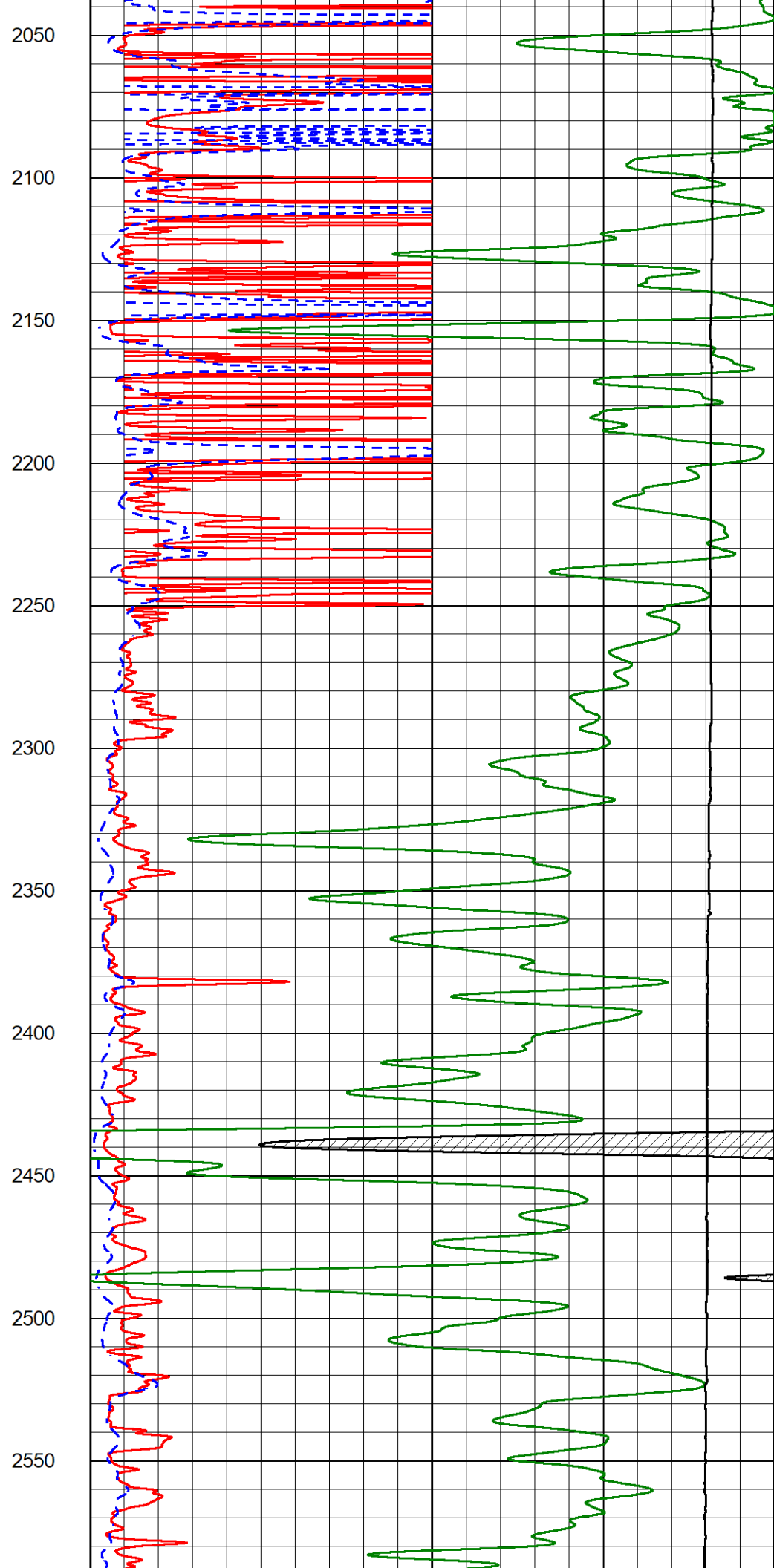
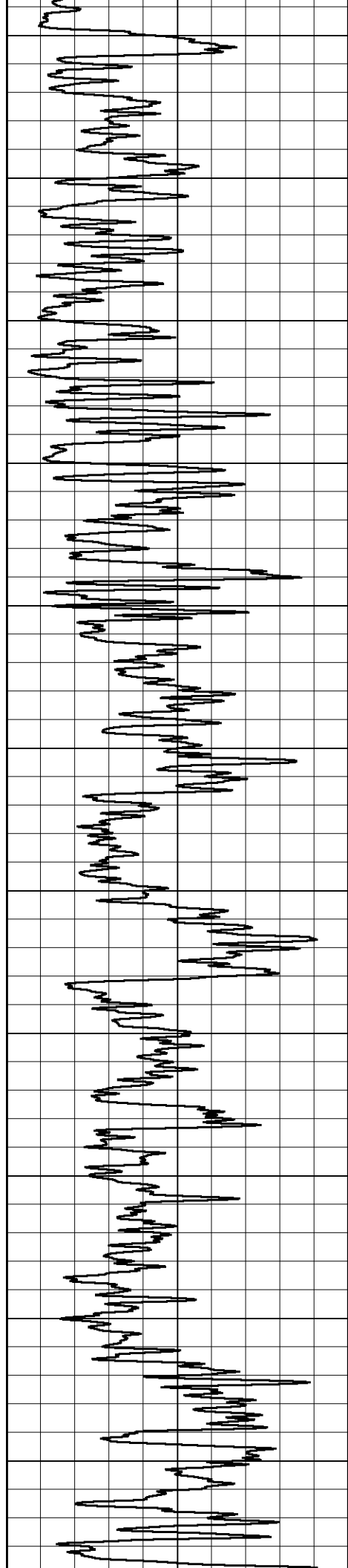


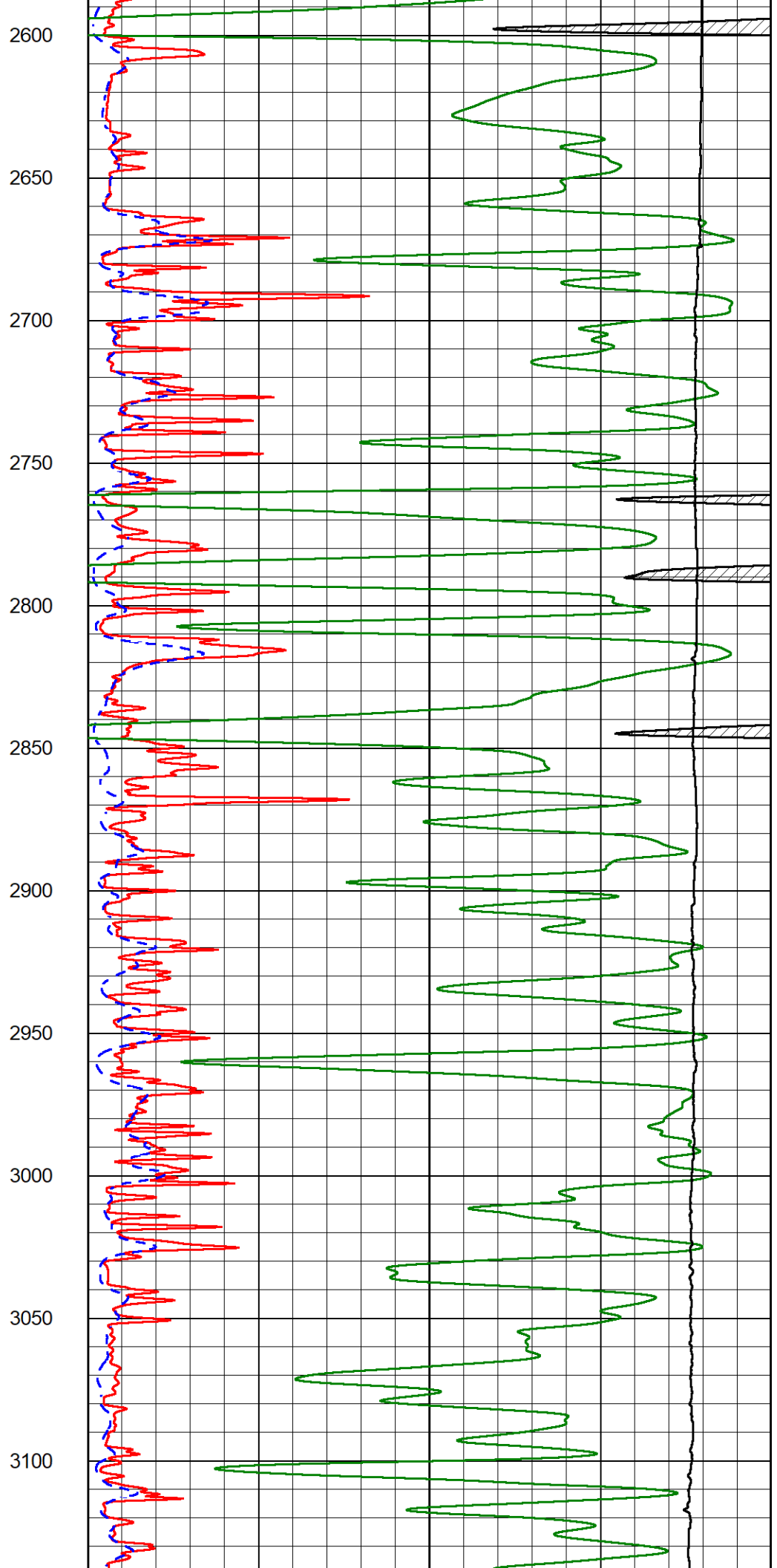
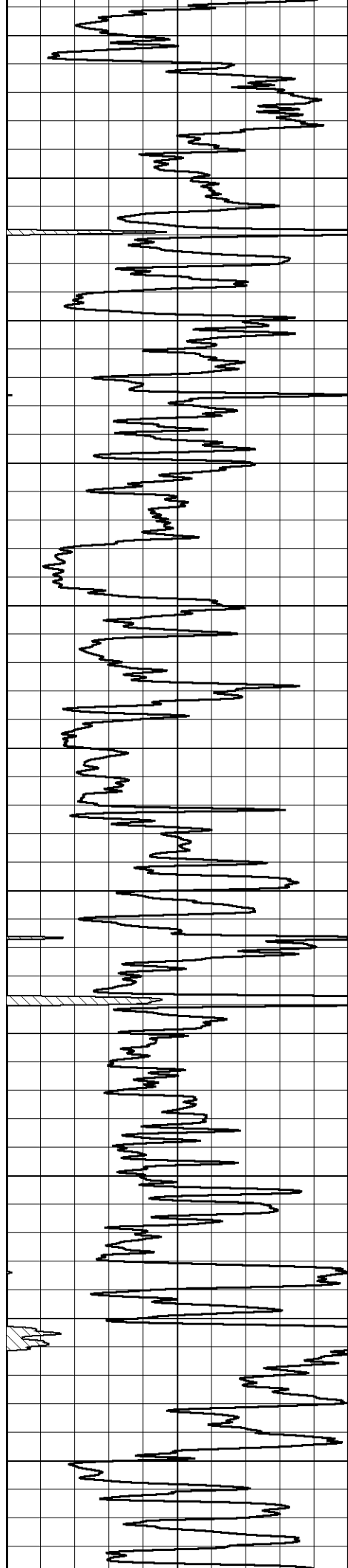


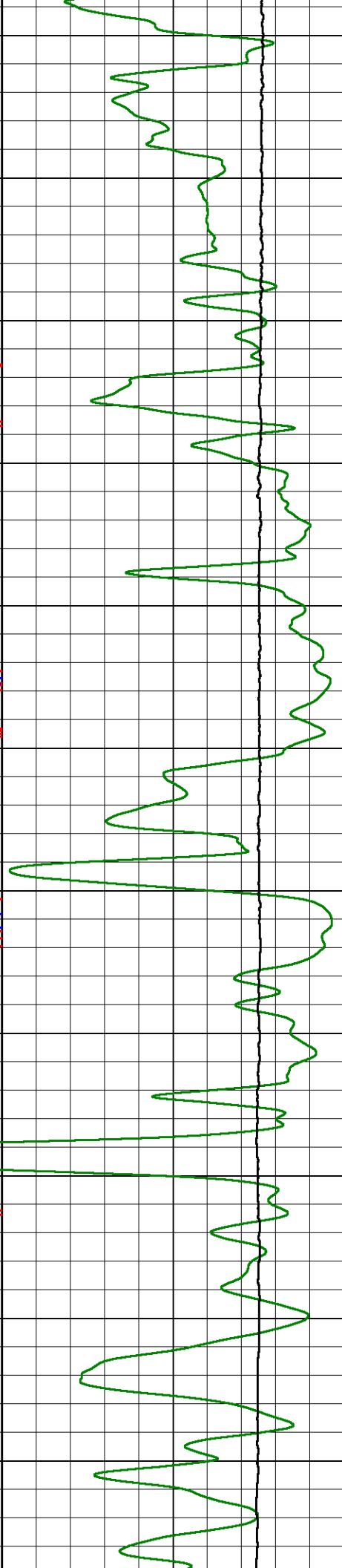
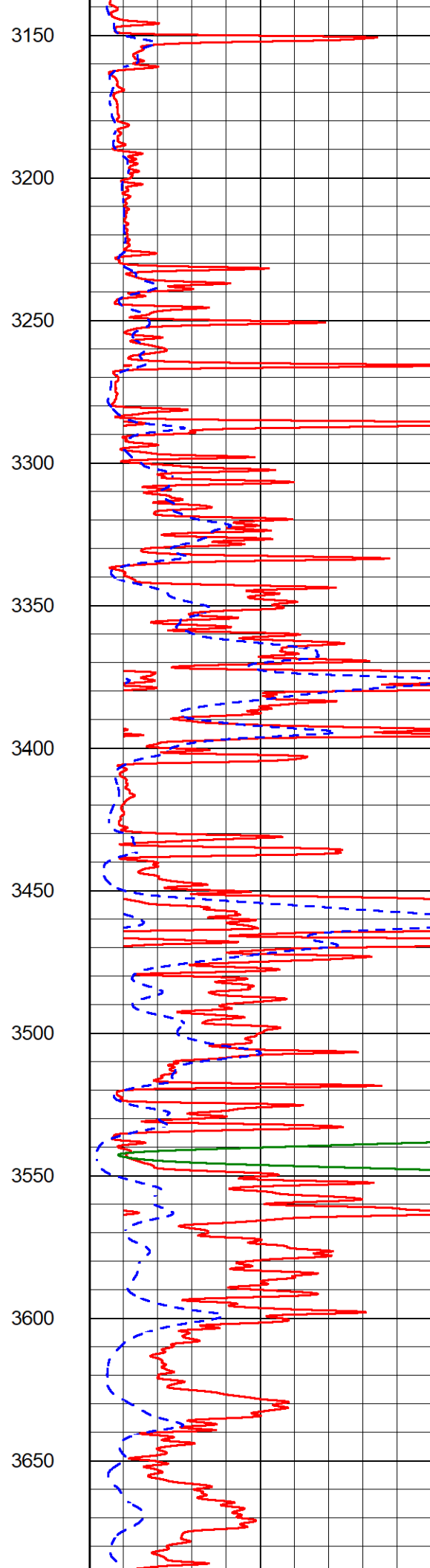
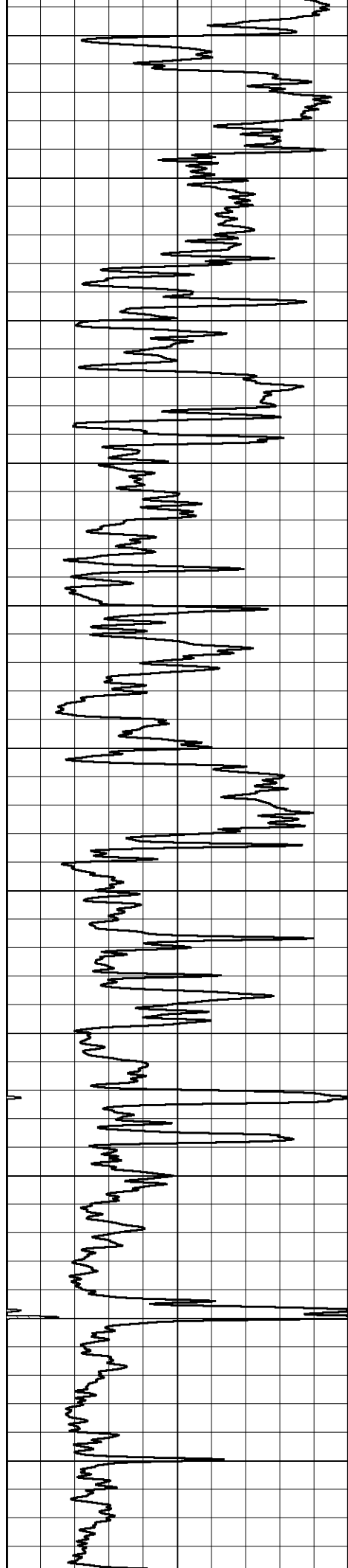


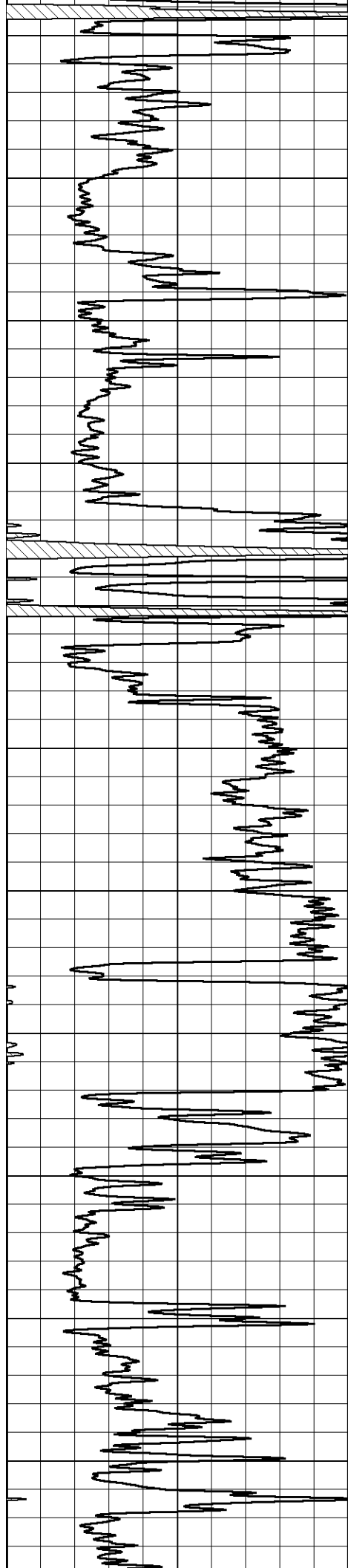
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1600
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1950
2000











3700

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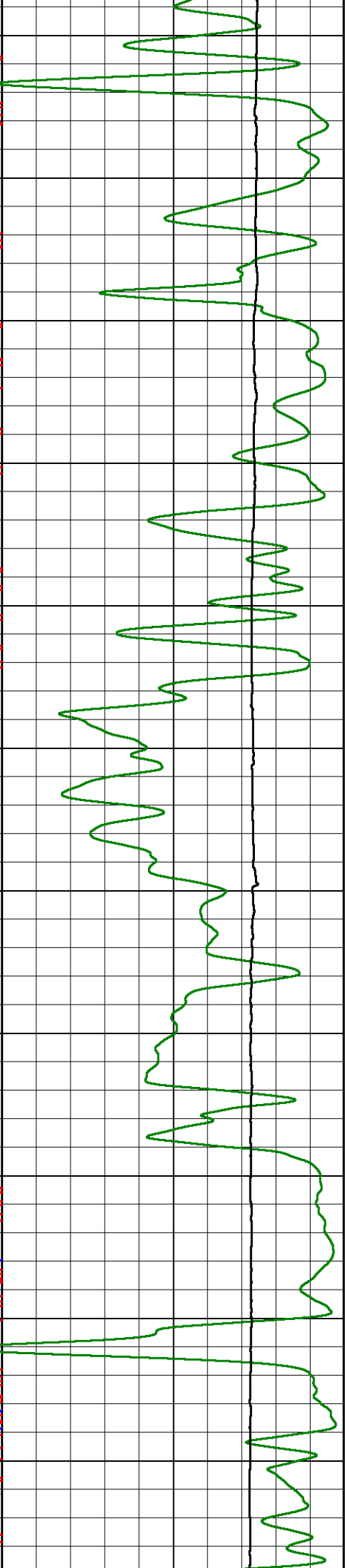
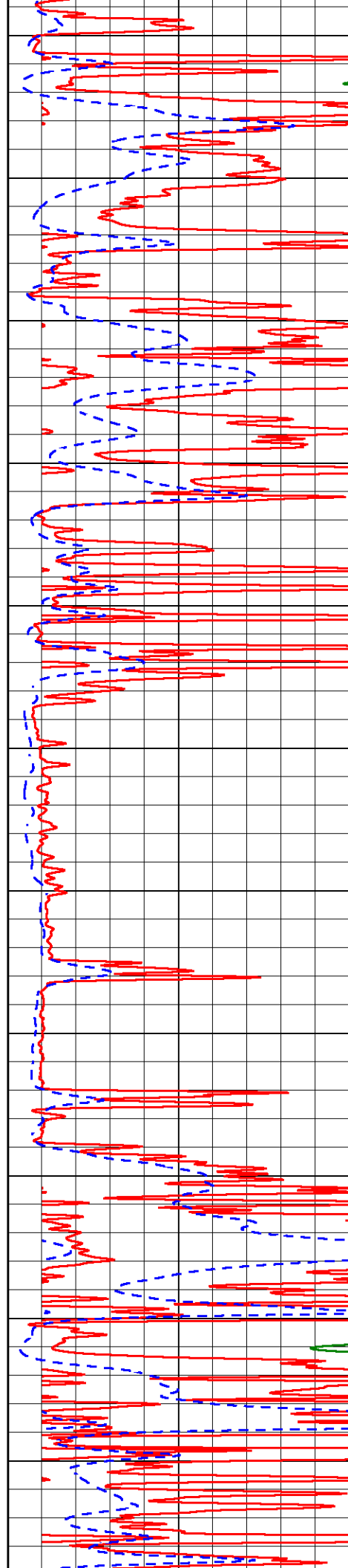
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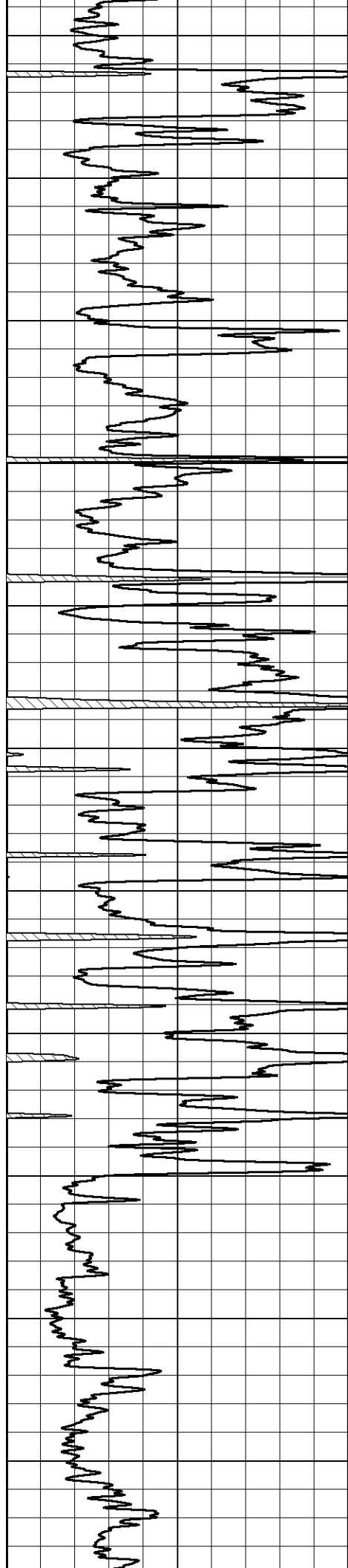
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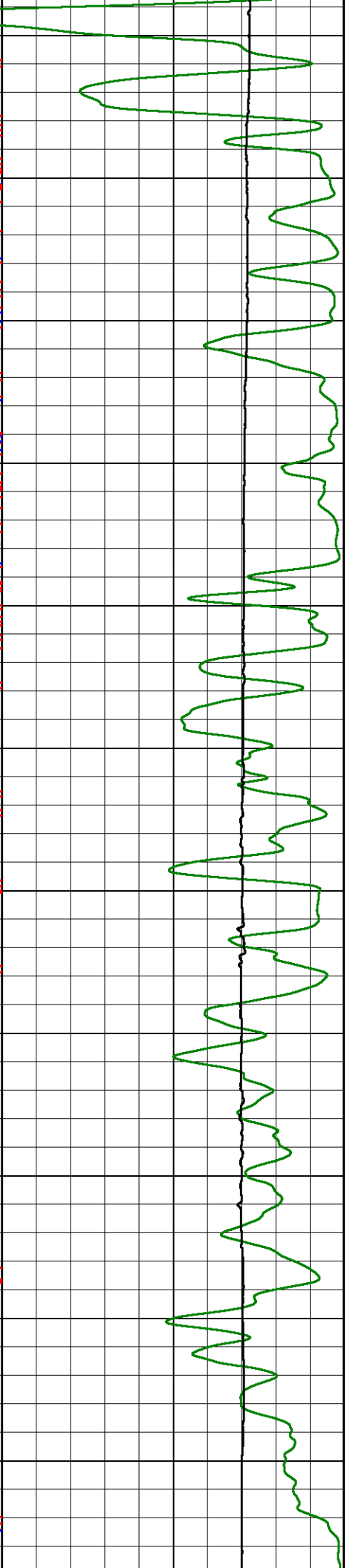
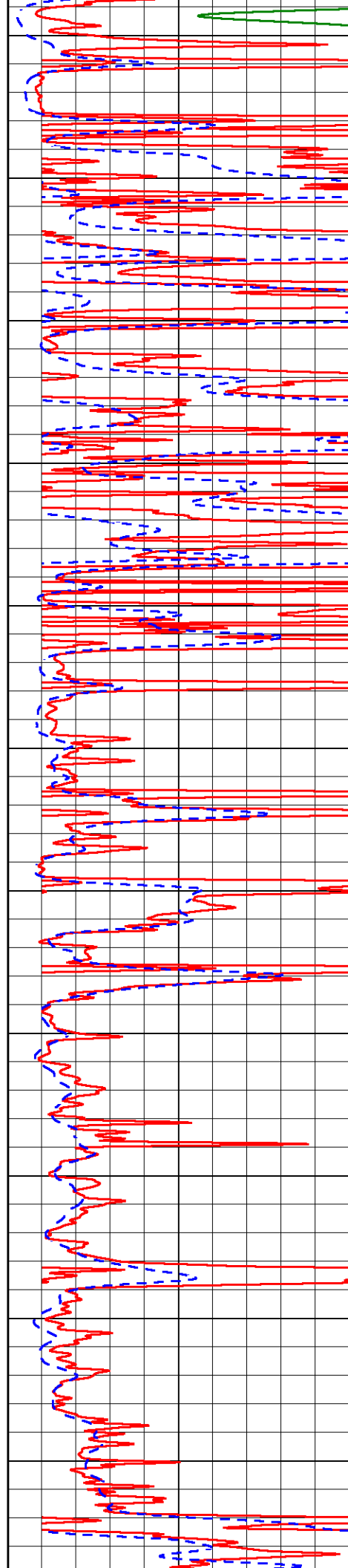
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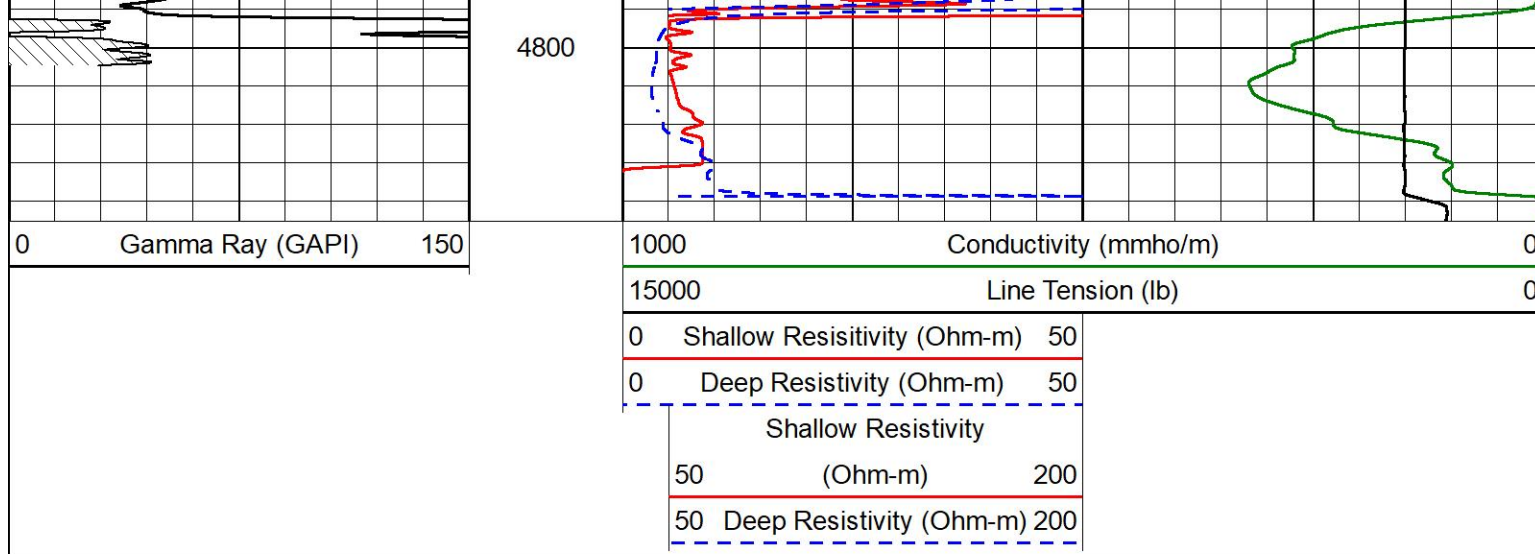
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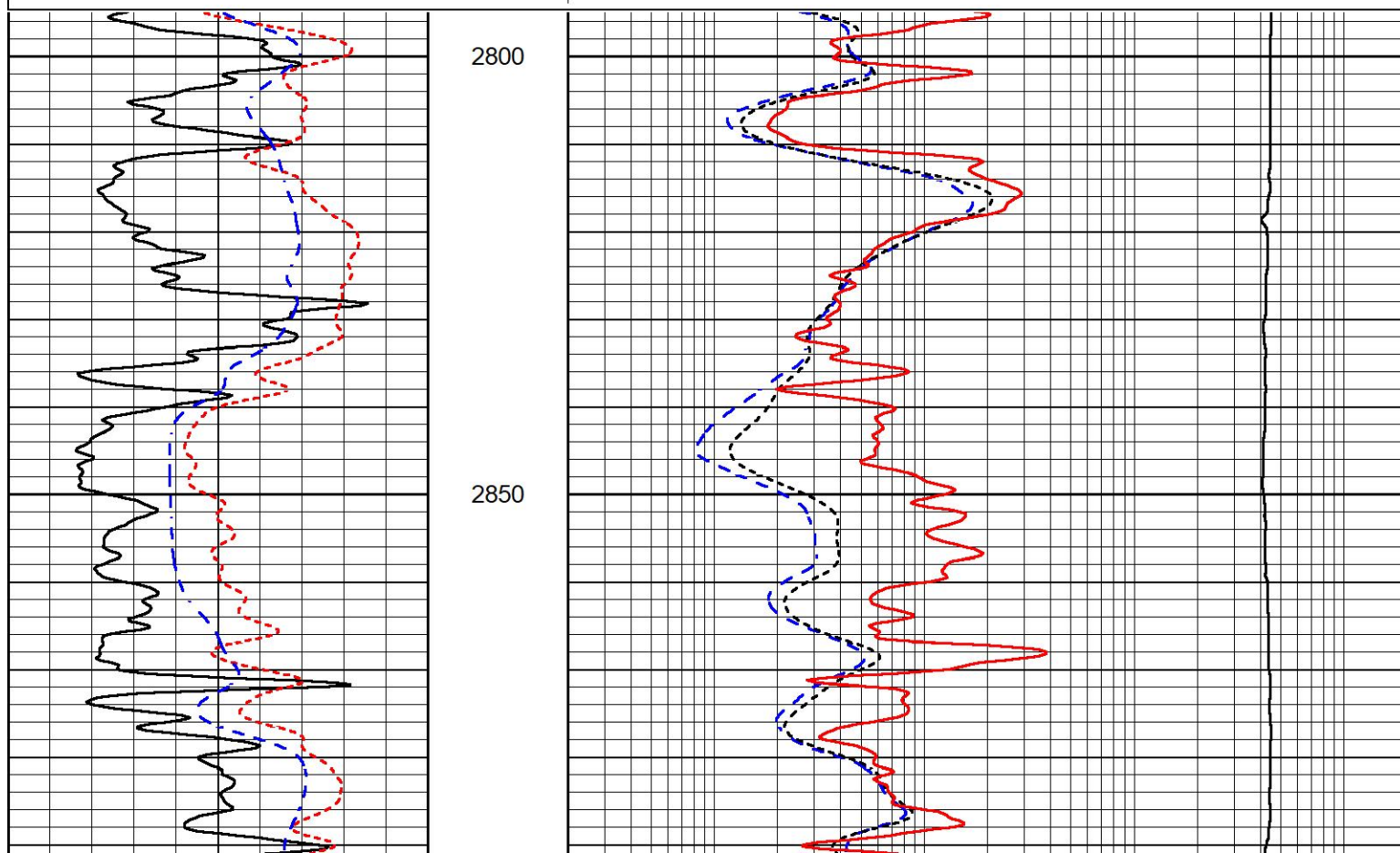


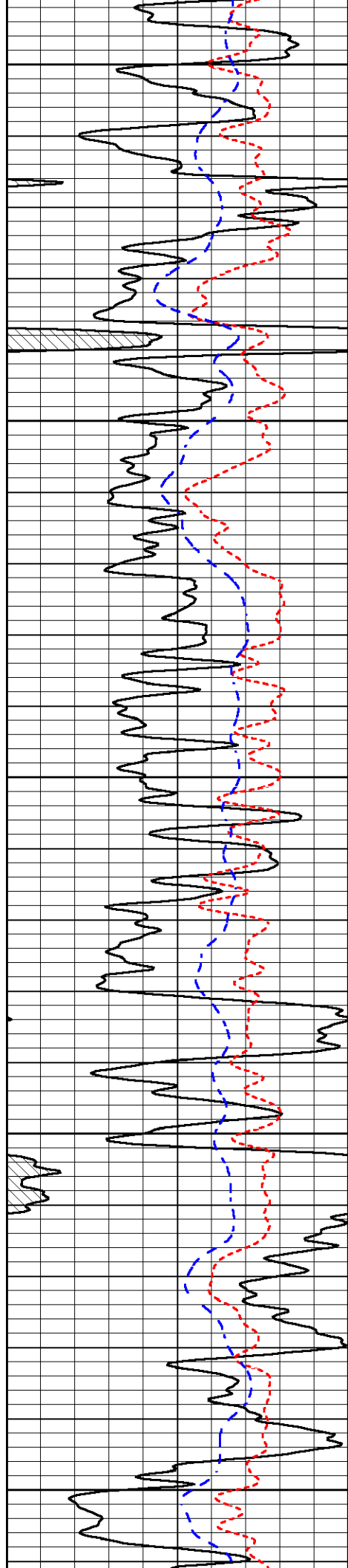
DETAIL SECTION

MAIN PASS

Database File griffin_whitley 2.db
 Dataset Pathname stkml/pass4.1
 Presentation Format _dil
 Dataset Creation Mon May 16 06:28:49 2022
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	0.2	Deep Resistivity (Ohm-m)	2000
-160	RXORT	40	0.2	Medium Resistivity (Ohm-m)	2000
-200	SP (mV)	0	0.2	RLL3 (Ohm-m)	2000
			10000	Line Tension (lb)	0





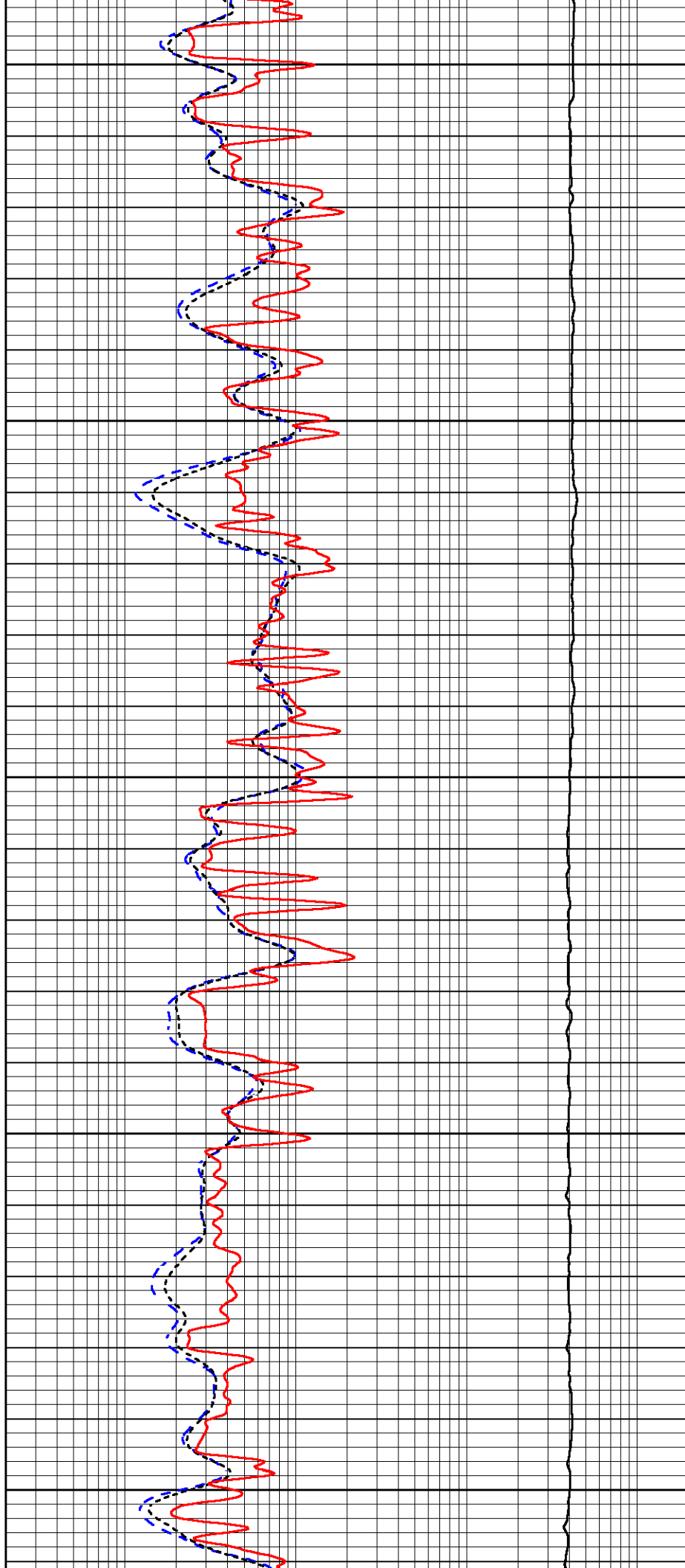
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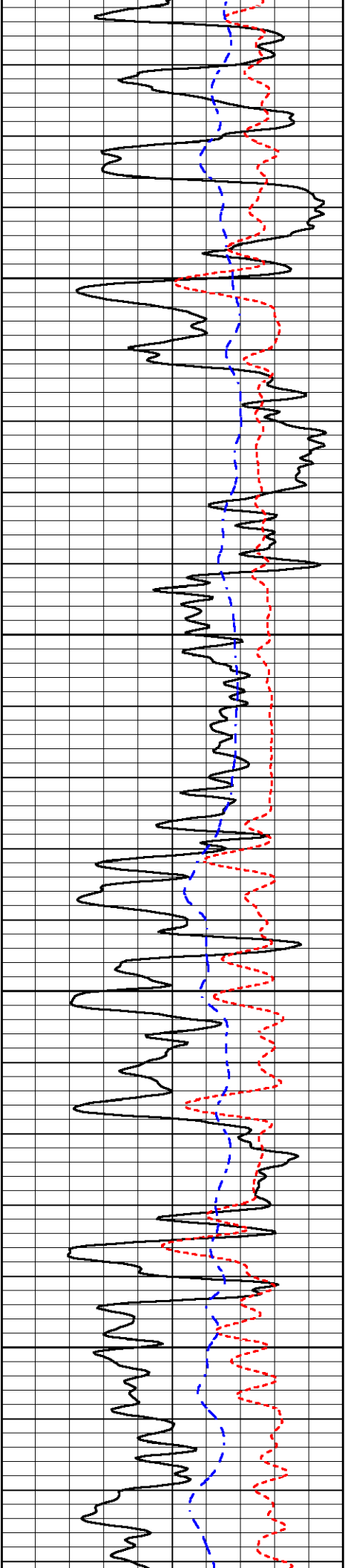
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3050

3100



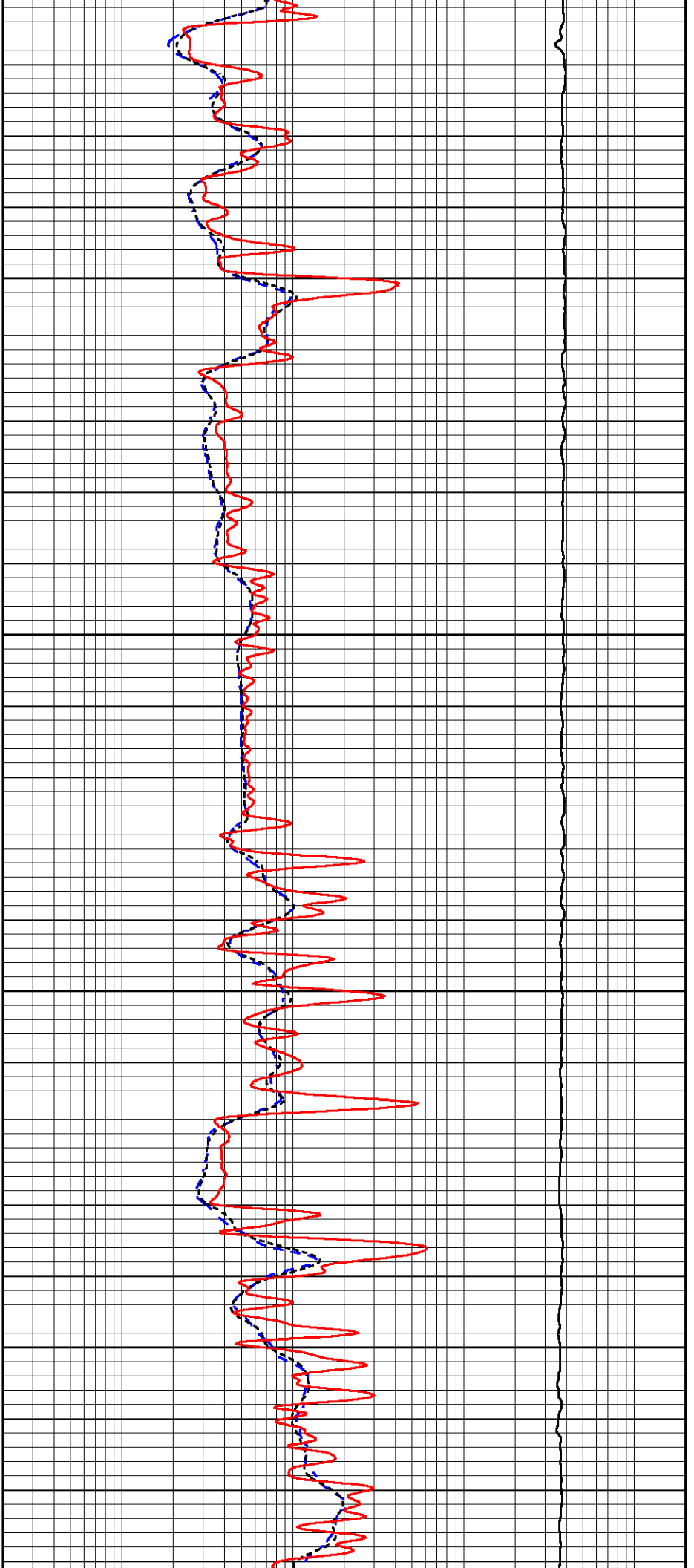


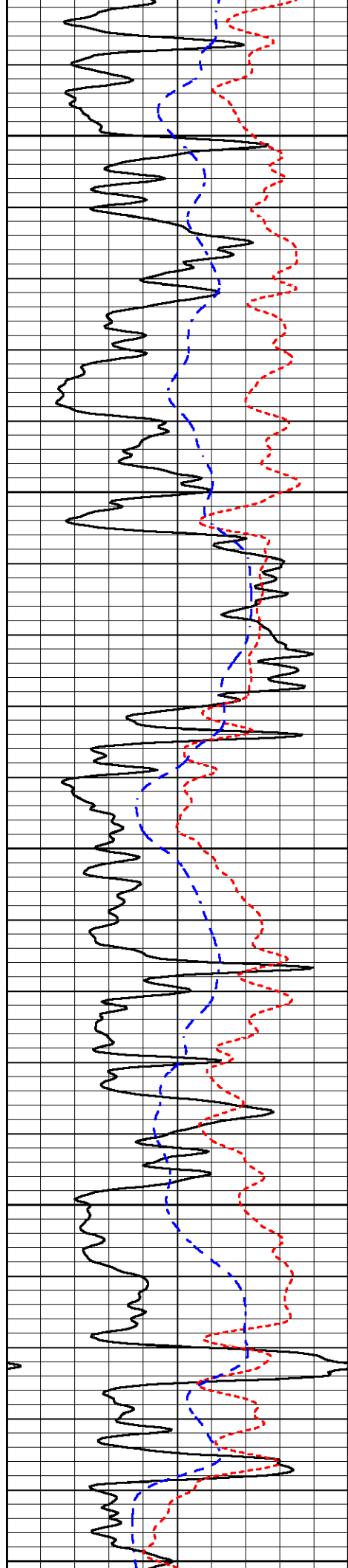
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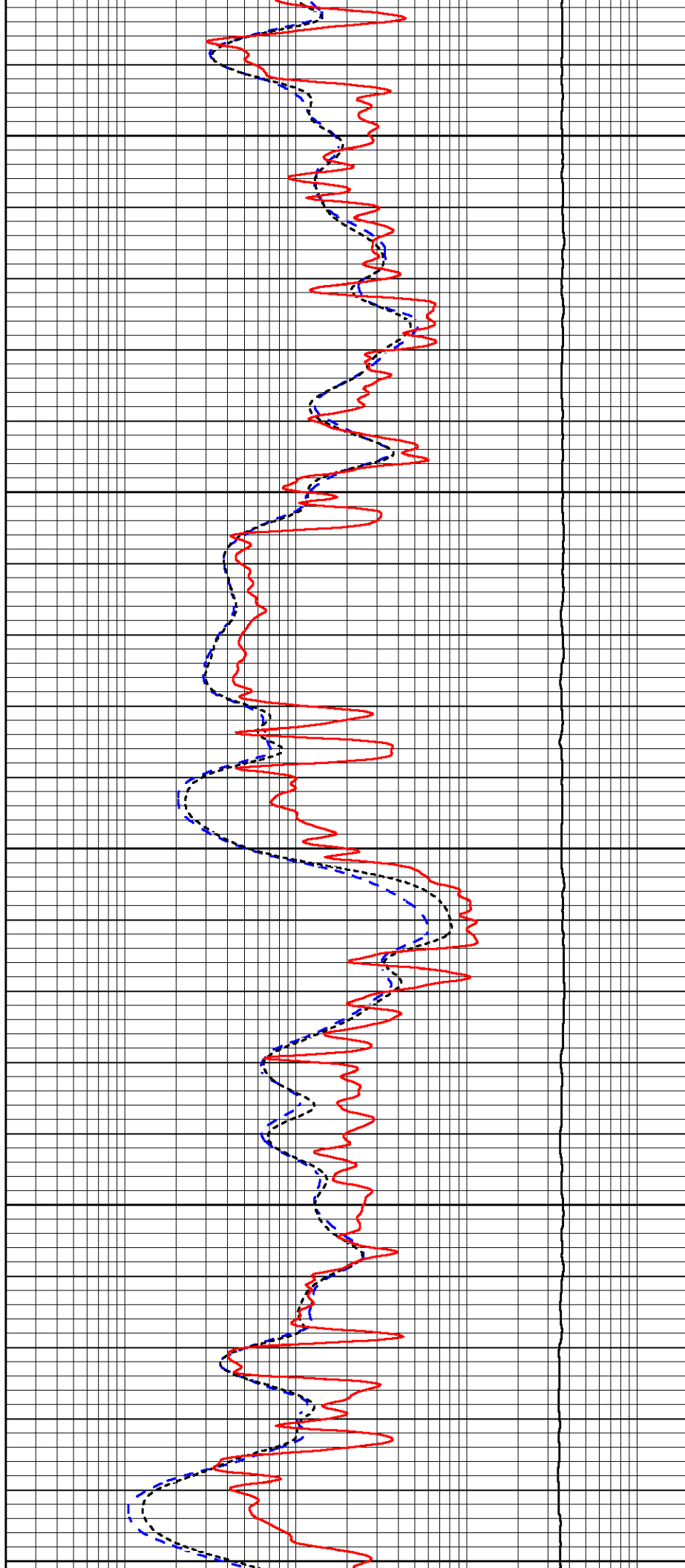
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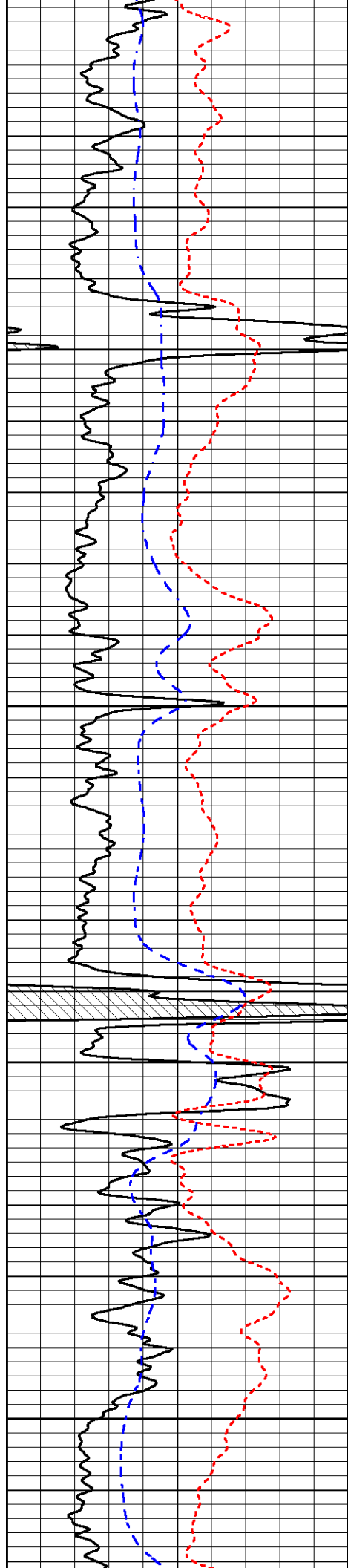
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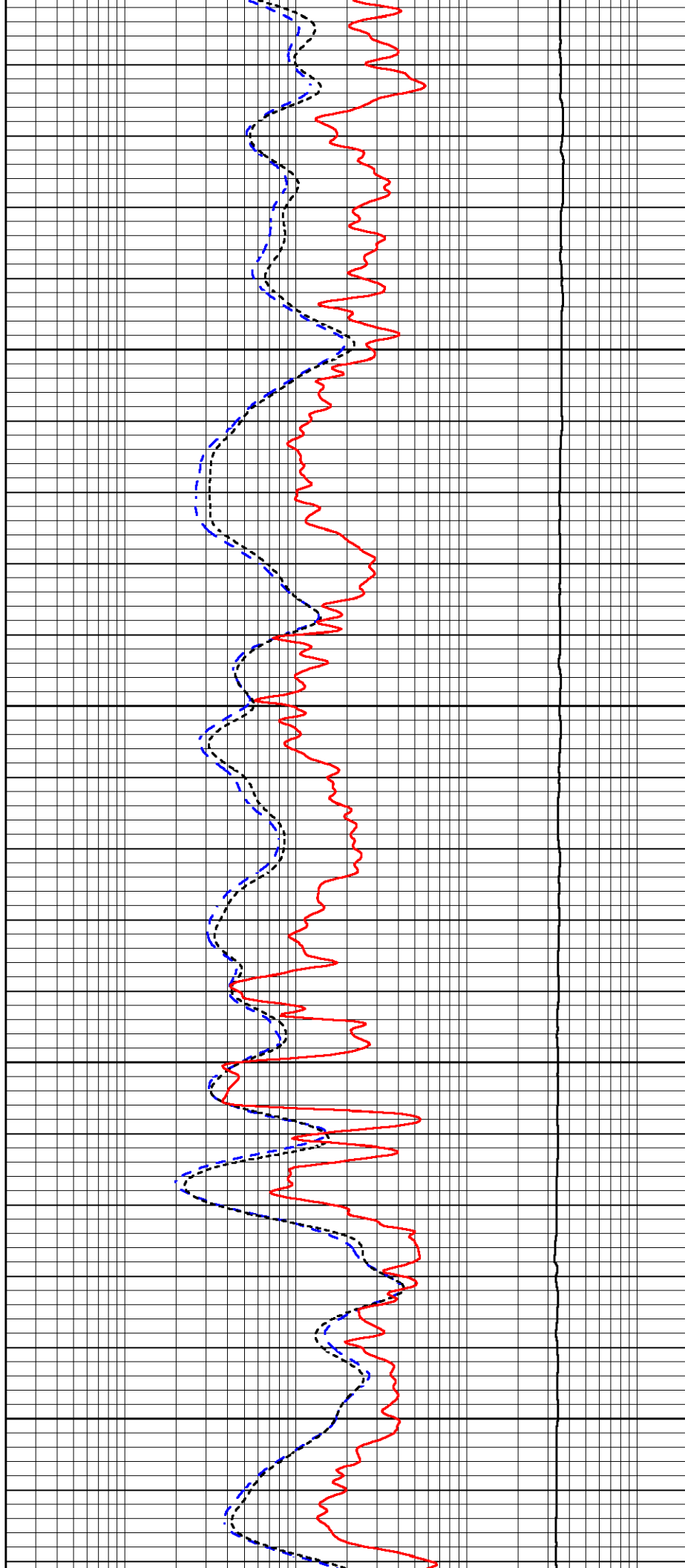


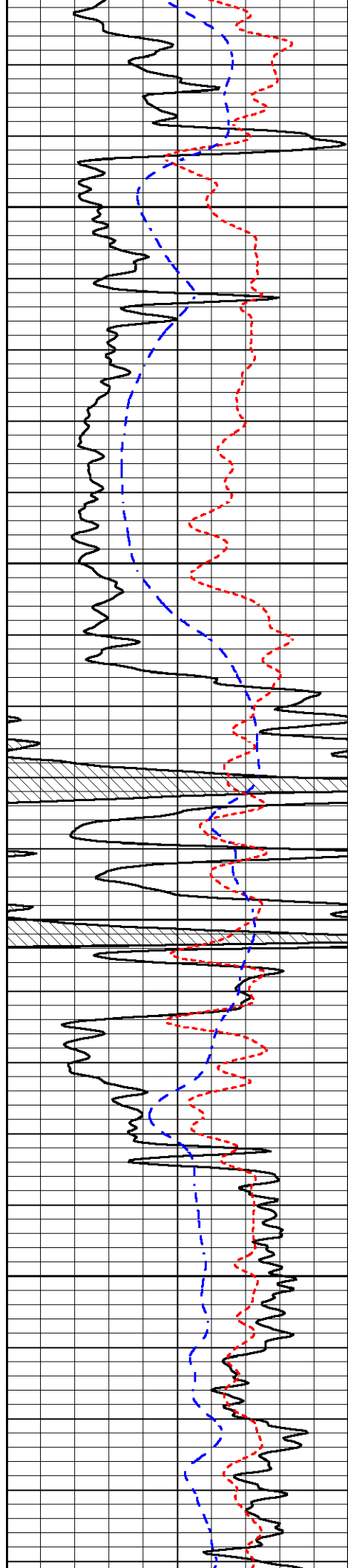
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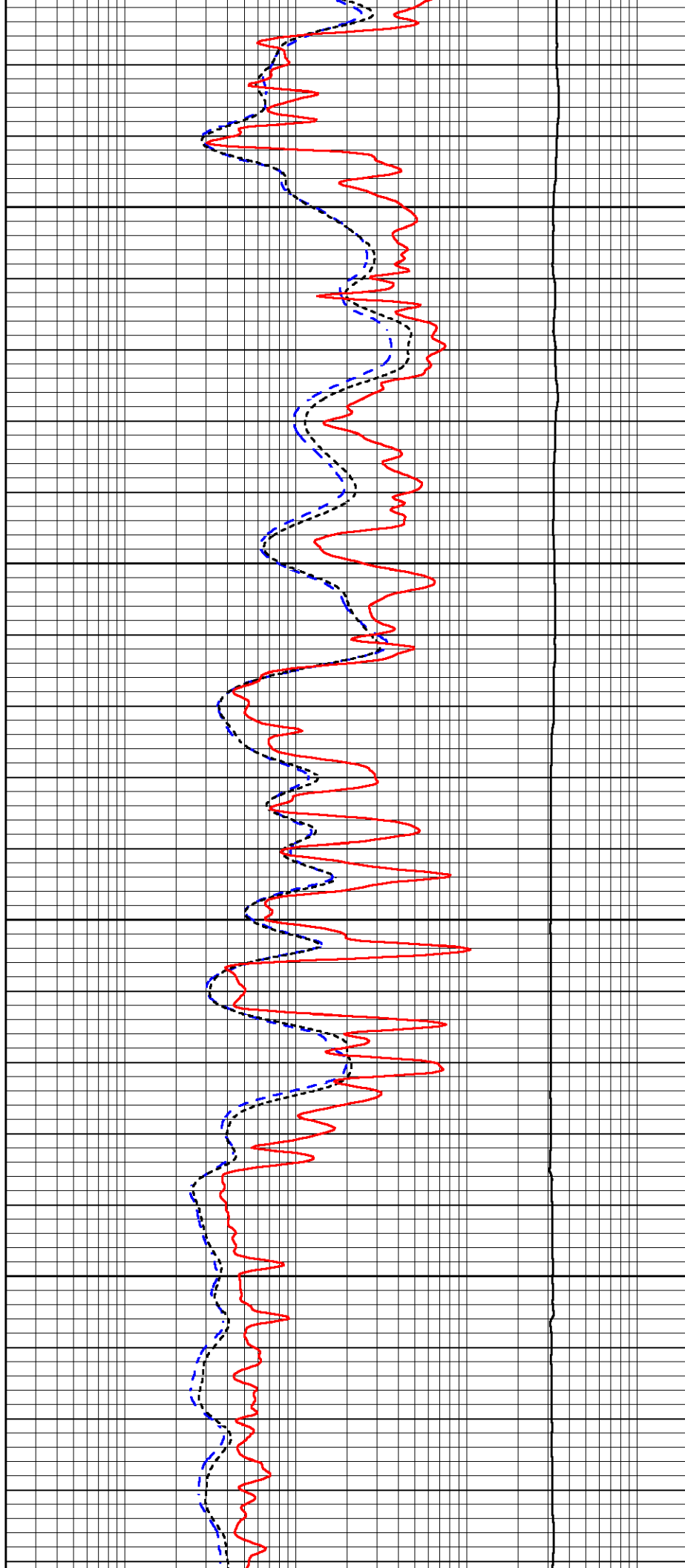


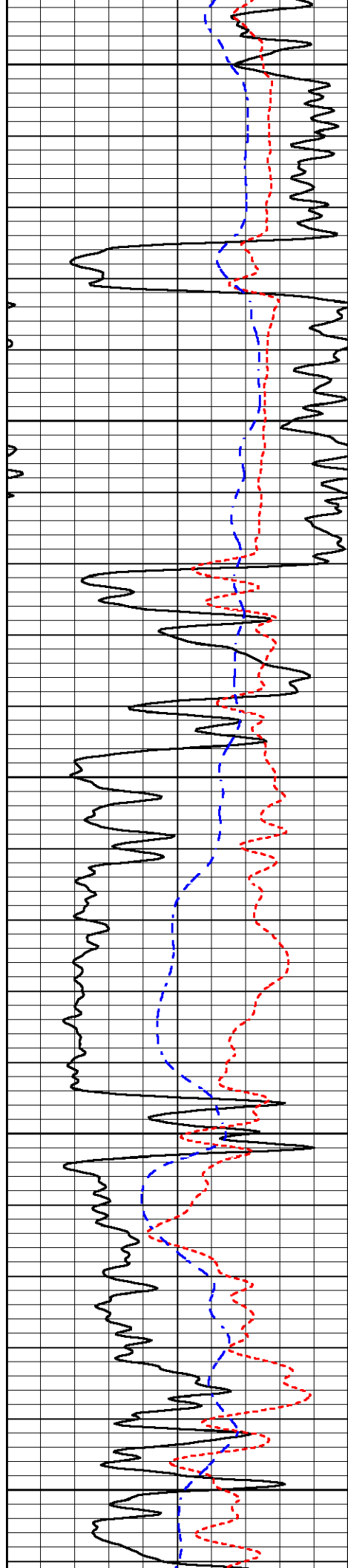
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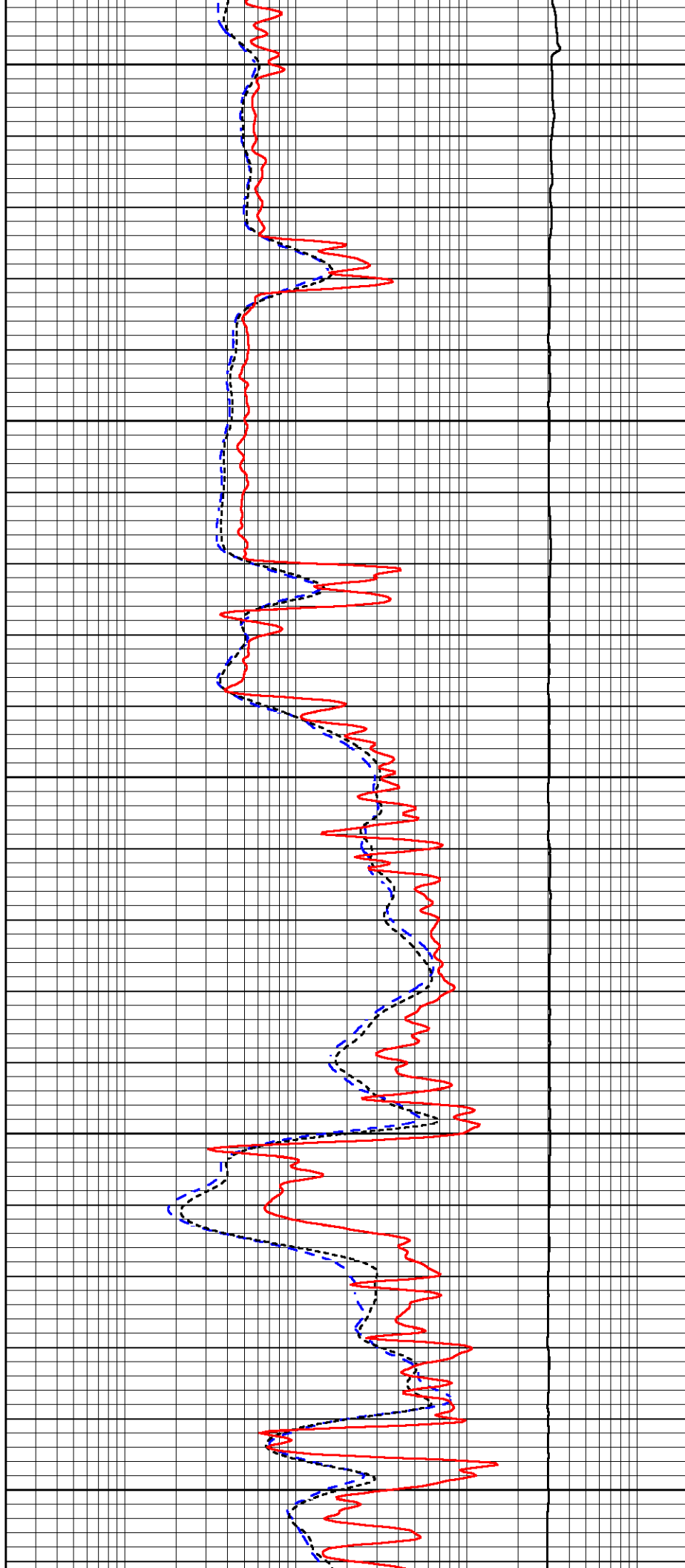
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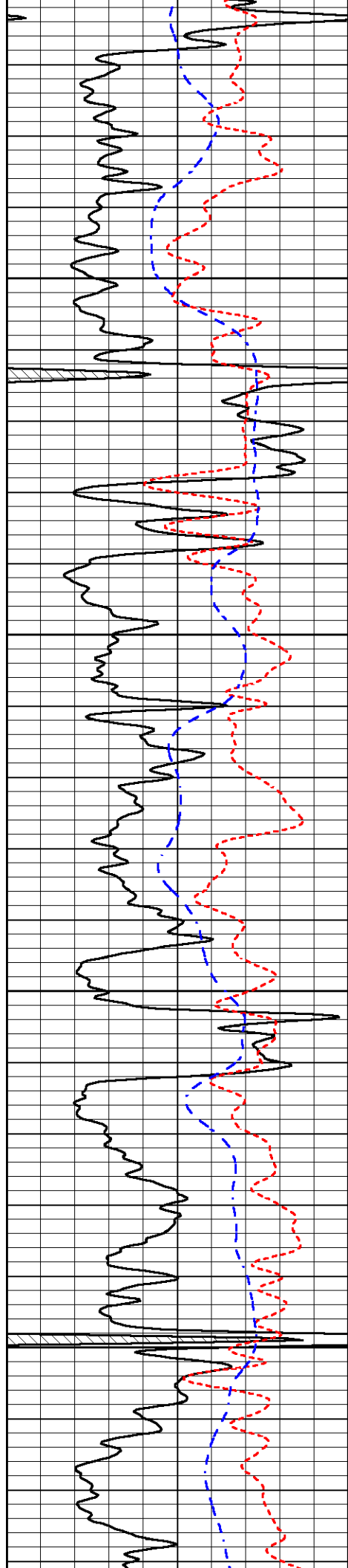
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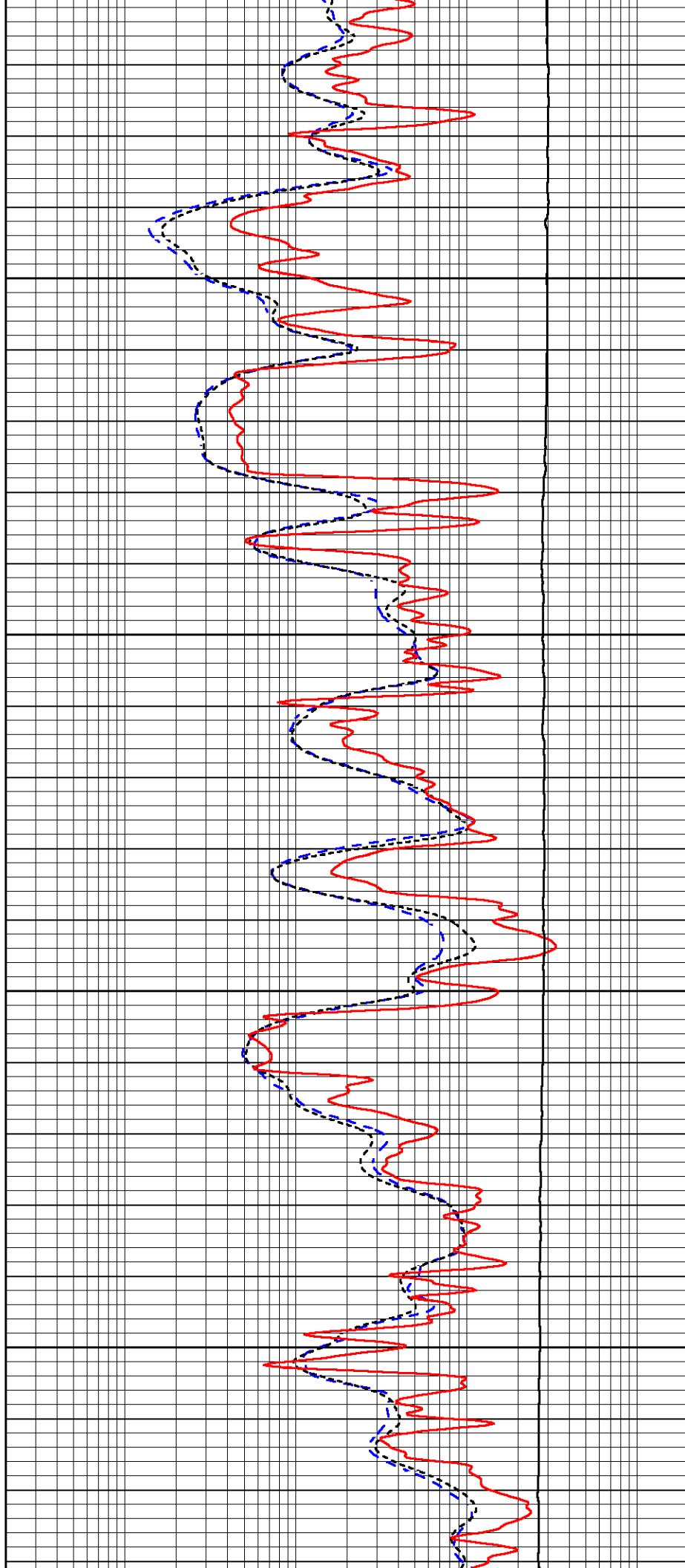


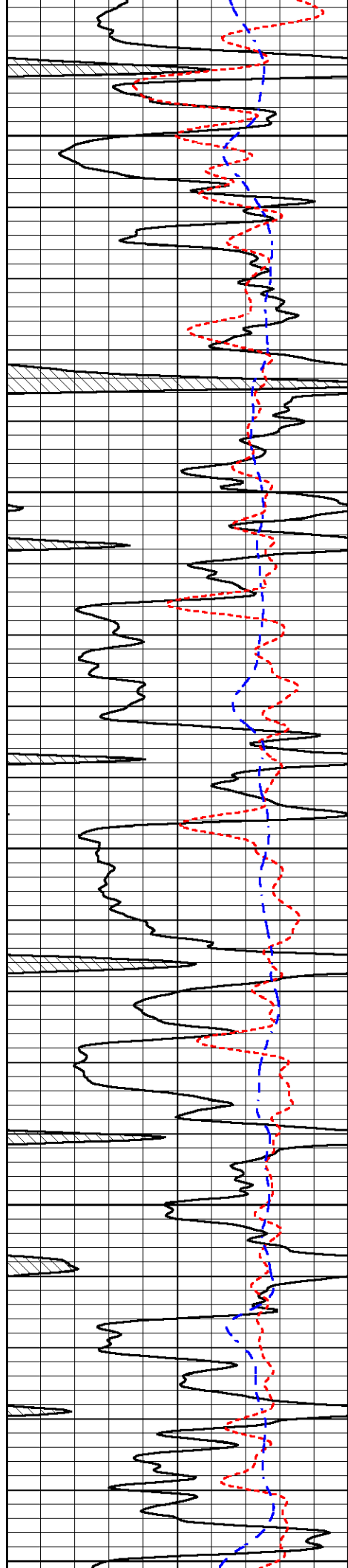
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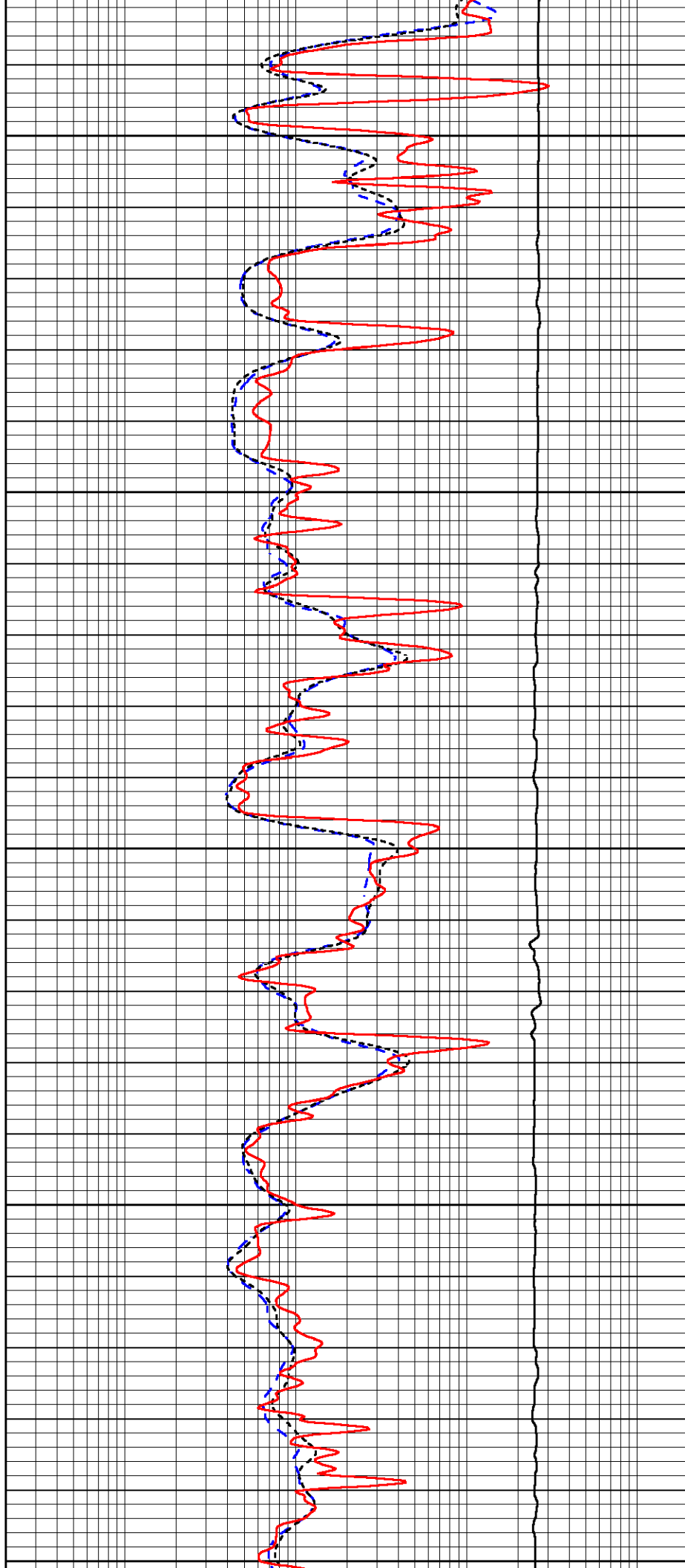
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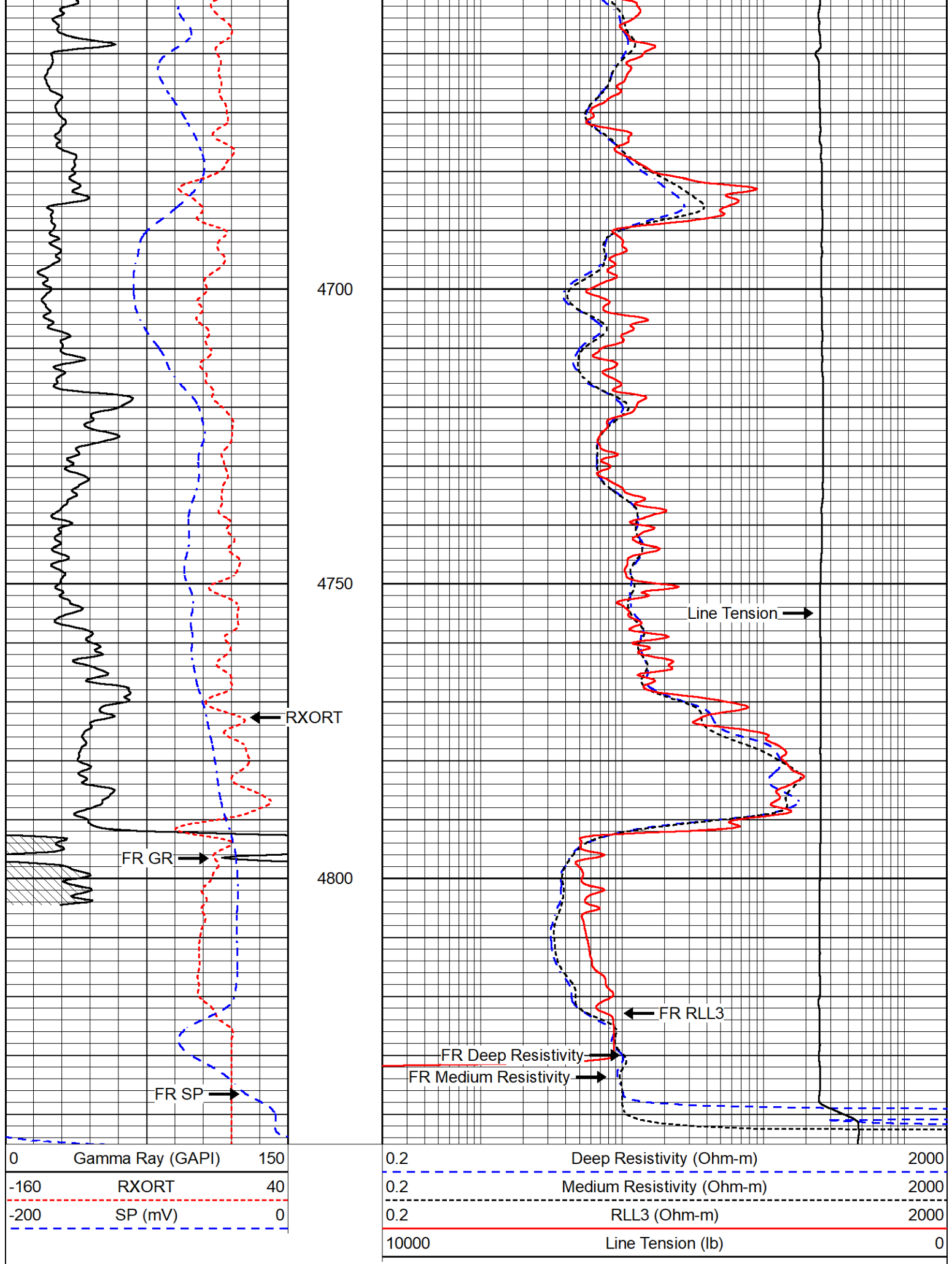
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Database File		griffin_whitley 2.db		Calibration Report			
Dataset Pathname		stkml/pass4.10					
Dataset Creation		Mon May 16 05:26:41 2022					
Dual Induction Calibration Report							
Serial-Model:		504 HT-M&W					
Surface Cal Performed:		Thu Dec 16 22:32:49 2021					
		Readings		References		Results	
Loop:	Air	Loop	Air	Loop		m	b
Deep	178.615	710.235	0.000	255.800	mmho/m	0.650	-19.000
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.450	-45.500
Microlog Calibration Report							
Serial-Model:		402-PSI STKBL ML					
Performed:		Sat Mar 19 19:10:40 2022					
		Readings		References		Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0037	0.0043	0.0000	10.0000	Ohm-m	18000.0000	-1.0000
Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m	15500.0000	0.0000
Caliper	1.0020	1.0834	5.5000	16.5000	in	135.1520	-131.2000
Compensated Density Calibration Report							
Serial-Model:		303-03-M&W					
Source #:		21170B					
Master Calibration Performed:		Thu Dec 16 23:28:34 2021					
Master Calibration							
		Density		Far Detector	Near Detector		
Magnesium		1.755	g/cc	3841.78	5151.73	cps	
Aluminum		2.670	g/cc	700.98	3068.49	cps	
		Spine Angle = 73.06		Density/Spine Ratio = 0.515			
		Size		Reading			
Small Ring		4.00	in	1.17			
Large Ring		14.00	in	1.04			
Compensated Neutron Calibration Report							
Serial-Model:		210-M&W					
Source #:		N-1238					
Master Calibration Performed:		Fri Dec 3 09:16:24 2021					
Master Calibration							
Detector		Readings		Target		Normalization	
Short Space		6240.00	cps	1000.00	cps	1.6025	
Long Space		460.00	cps	1000.00	cps	1.9500	

Gamma Ray Calibration Report

Serial Number:	103	
Tool Model:	M&W	
Performed:	Fri Dec 3 12:13:24 2021	
Calibrator Value:	500.0	GAPI
Background Reading:	28.0	cps
Calibrator Reading:	986.0	cps
Sensitivity:	0.5700	GAPI/cps



Company	Griffin Management, LLC
Well	Whitley #2
Field	Moffett West
County	Barber
State	Kansas



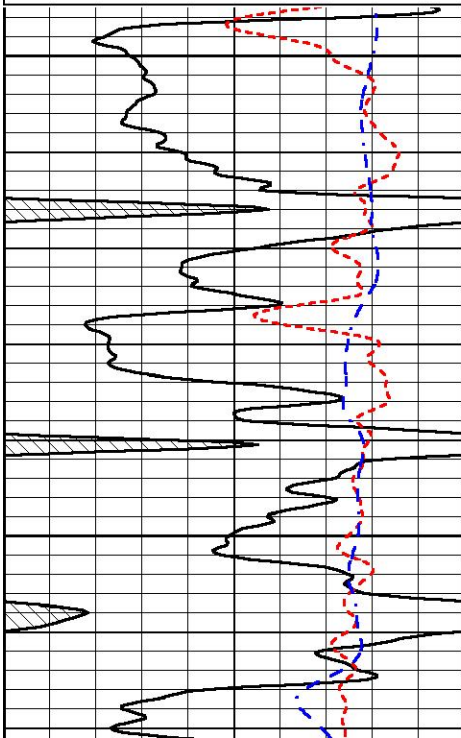
REPEAT SECTION

REPEAT PASS

Database File	griffin_whitley 2.db
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Presentation Format	_dil
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Charted by	Depth in Feet scaled 1:240

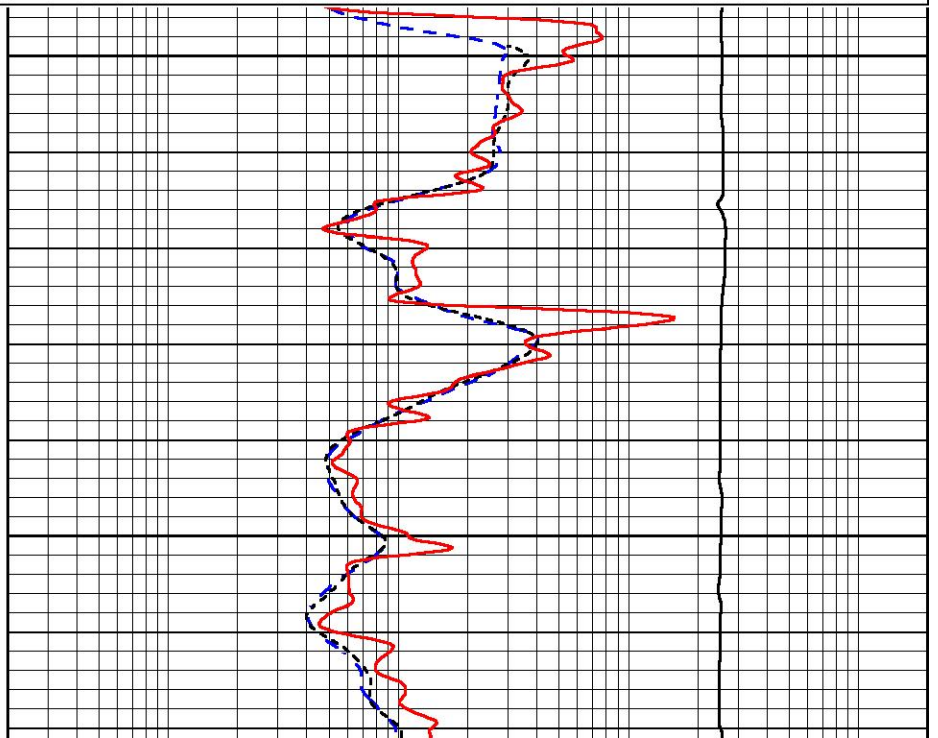
0	Gamma Ray (GAPI)	150
-160	RXORT	40
-200	SP (mV)	0

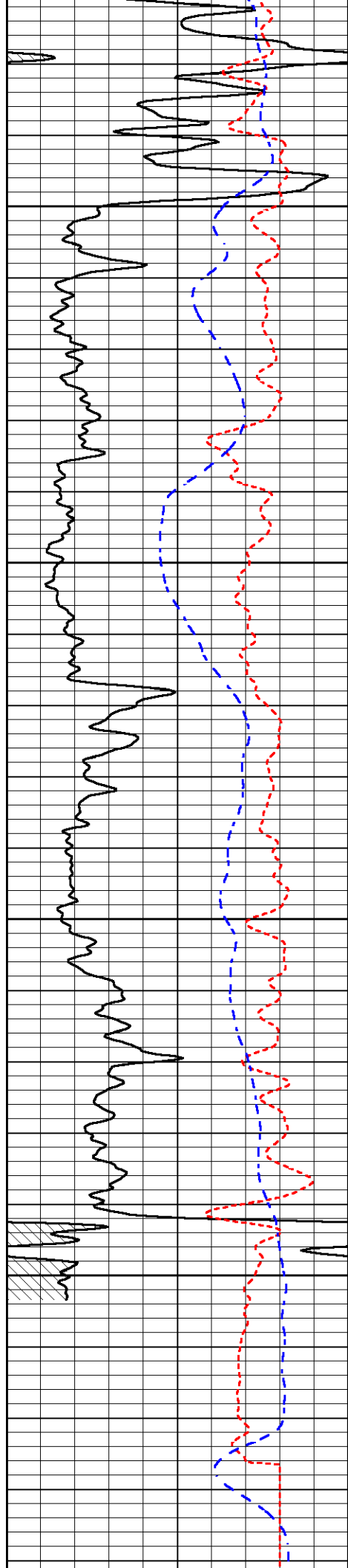
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	Line Tension (lb)	0



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