



DUAL INDUCTION LOG

MIDWEST WIRELINE

Company Carmen Schmitt, Inc.

Well Molly #1-22

Field

County Ford State Kansas

Location: API #: 15-057-21076-00-00

SEC 22 TWP 28S RGE 26W

Permanent Datum Ground Level Elevation 2681

Log Measured From Kelly Bushing

Drilling Measured From Kelly Bushing

Other Services

CNL/CDL
MEL

Elevation
K.B. 2689
D.F.
G.L. 2681

Date 10/10/2022

Run Number One

Depth Driller 5450

Depth Logger 5455

Bottom Logged Interval 5454

Top Log Interval 0

Casing Driller 8.625 @ 1254

Casing Logger 1251

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 5700

Density / Viscosity 9.05 46

pH / Fluid Loss 10.0 8.8

Source of Sample FLOWLINE

Rm @ Meas. Temp 0.30 @ 76

Rmt @ Meas. Temp 0.23 @ 76

Rmc @ Meas. Temp 0.41 @ 76

Source of Rmt / Rmc CHARTS

Rm @ BHT 0.17 @ 131

Operating Rig Time 3 Hours

Max Rec. Temp. F 131

Equipment Number P-108

Location HAYS

Recorded By D. Schmidt

Witnessed By Brad Rine

<<< 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.

Dodge City,
South on Hwy 283 to Saddle Rd,
6 West, 4 South to Warrior Rd, 2 West, 1/4 North,
East 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

Engineer: D. Schmidt
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Brad Rine
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\carmen schmitt_molly 1-22.db
Dataset field/well/stkml/pass3.11/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	131	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	1010	50		5455

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

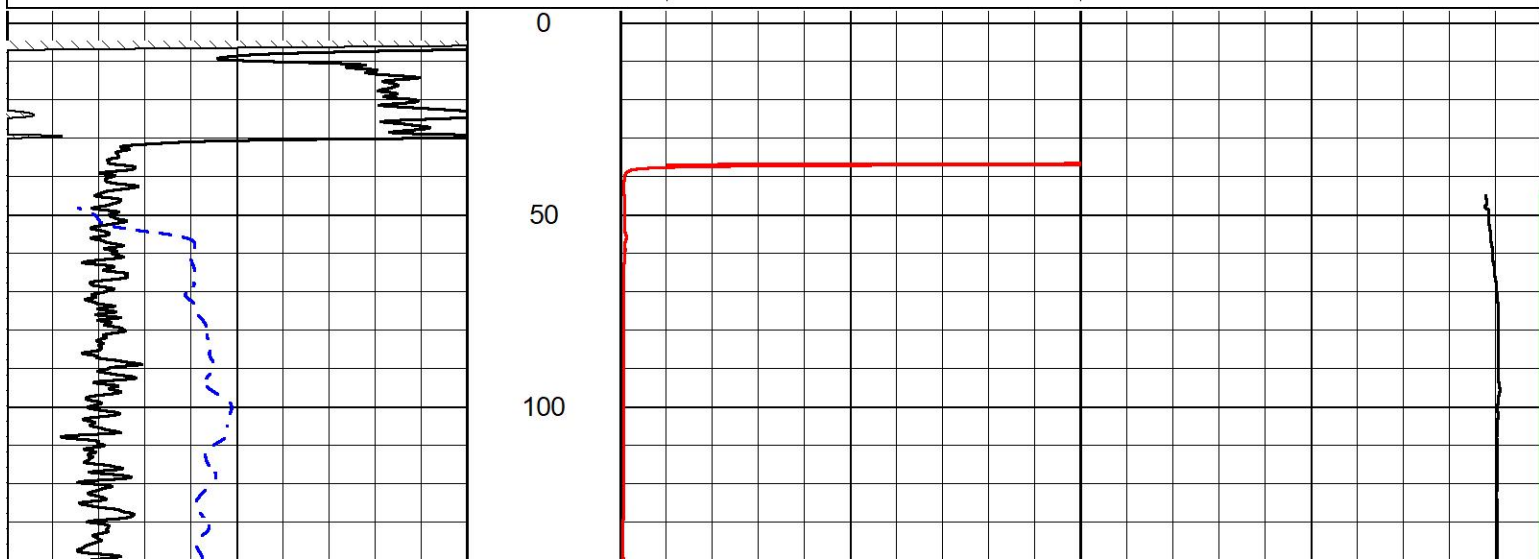


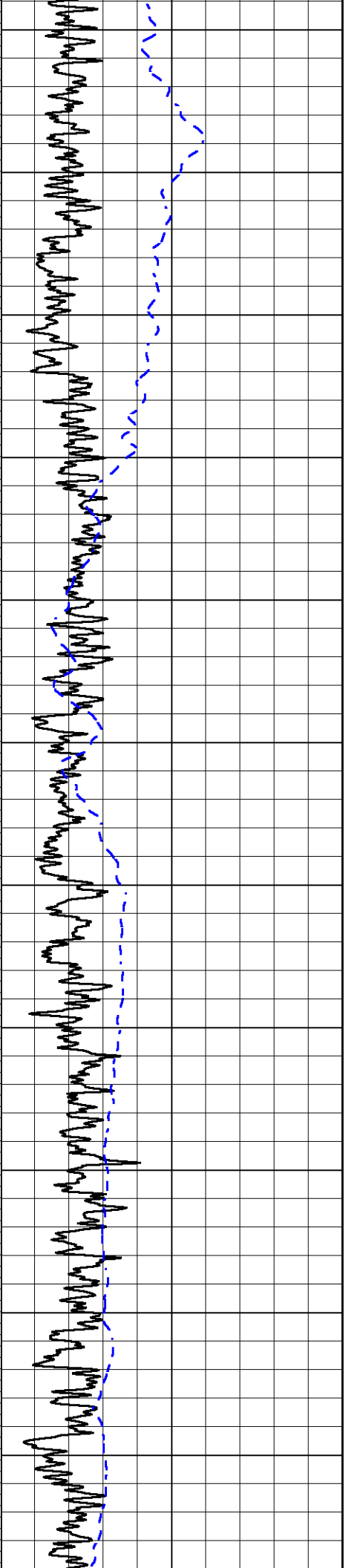
2" SCALE RESISTIVITY

MAIN PASS

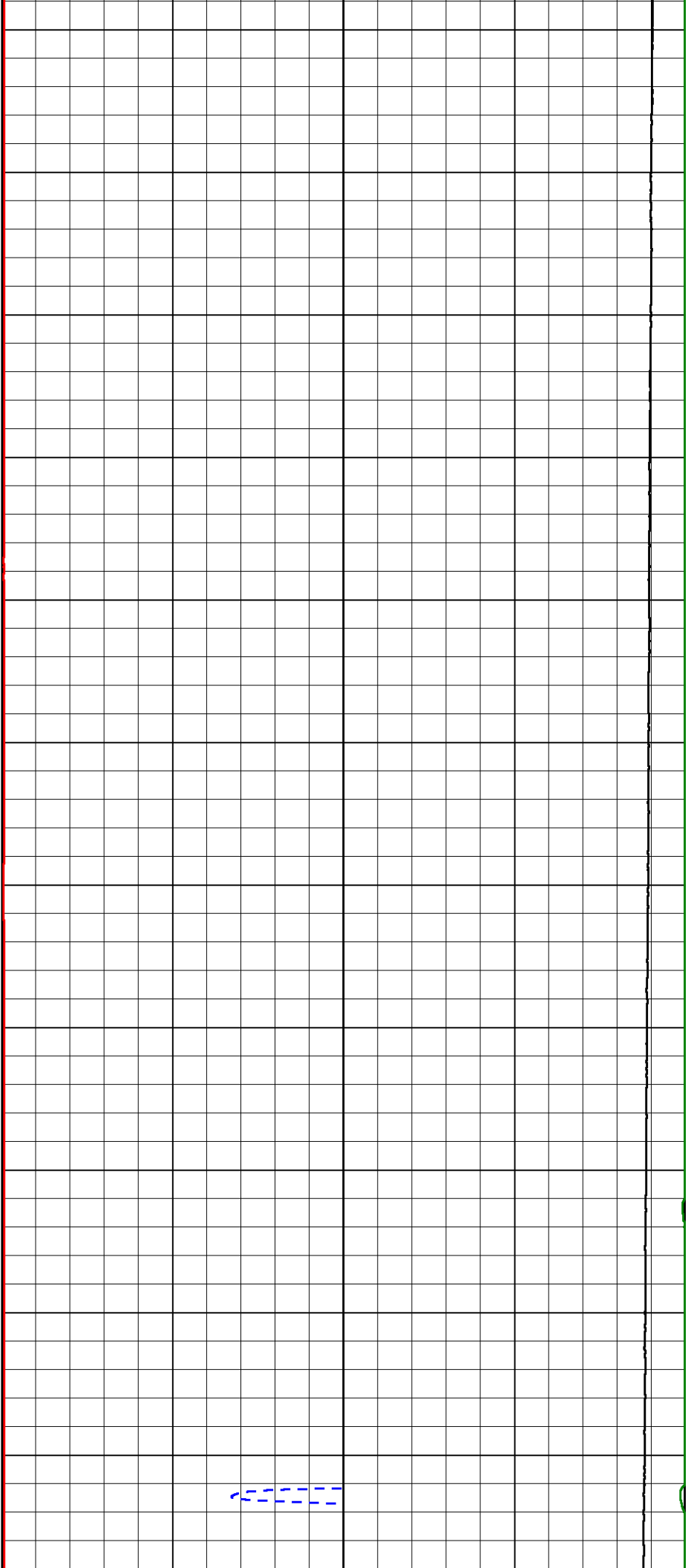
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Presentation Format _dil2in
Dataset Creation Mon Oct 10 07:55:27 2022
Charted by Depth in Feet scaled 1:600

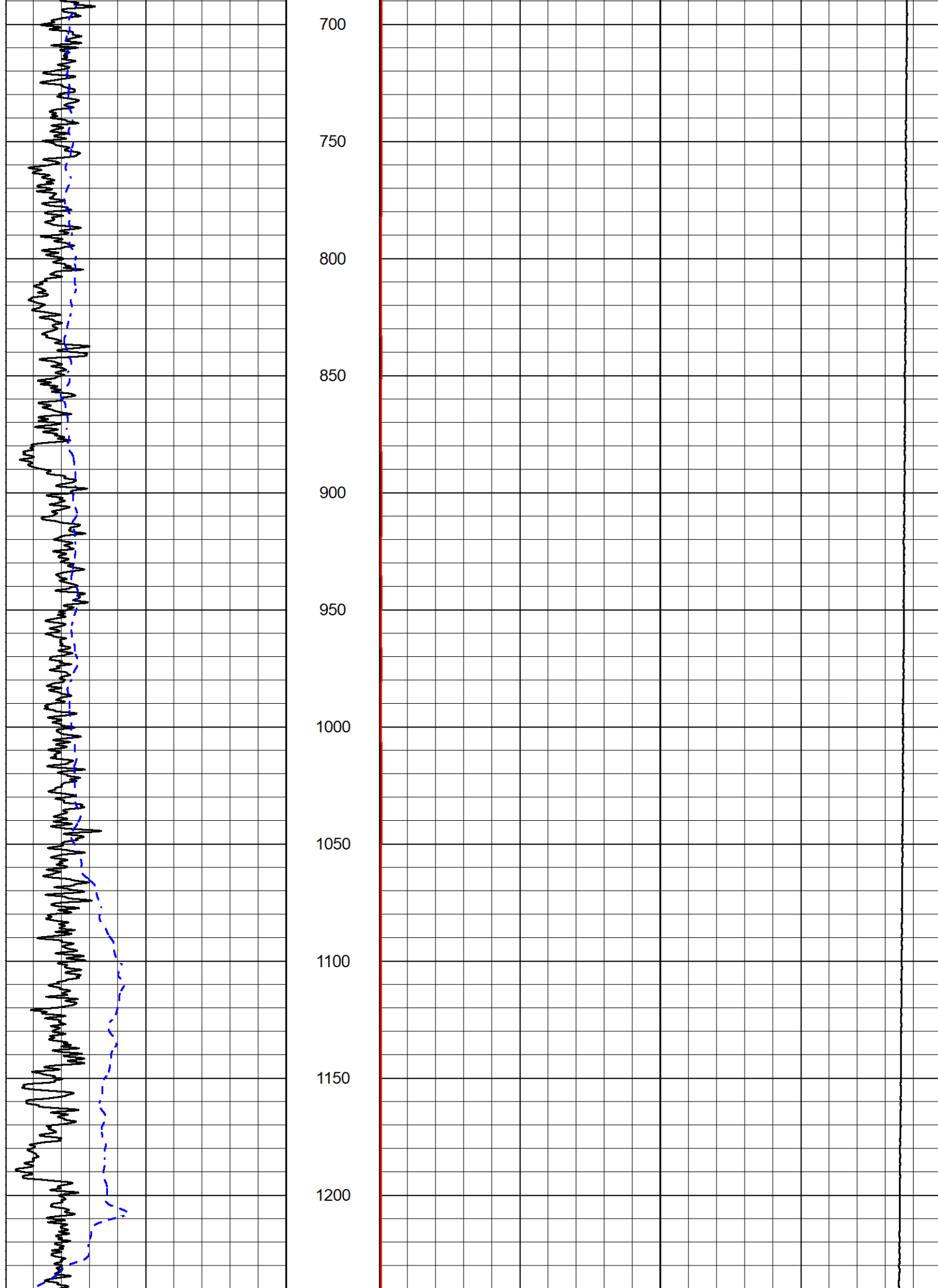
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-200	SP (mV)	0	15000	Line Tension (lb)	0
			0	Shallow Resistivity (Ohm-m)	50
			0	Deep Resistivity (Ohm-m)	50
			Shallow Resistivity		
			50	(Ohm-m)	200
			50	Deep Resistivity (Ohm-m)	200



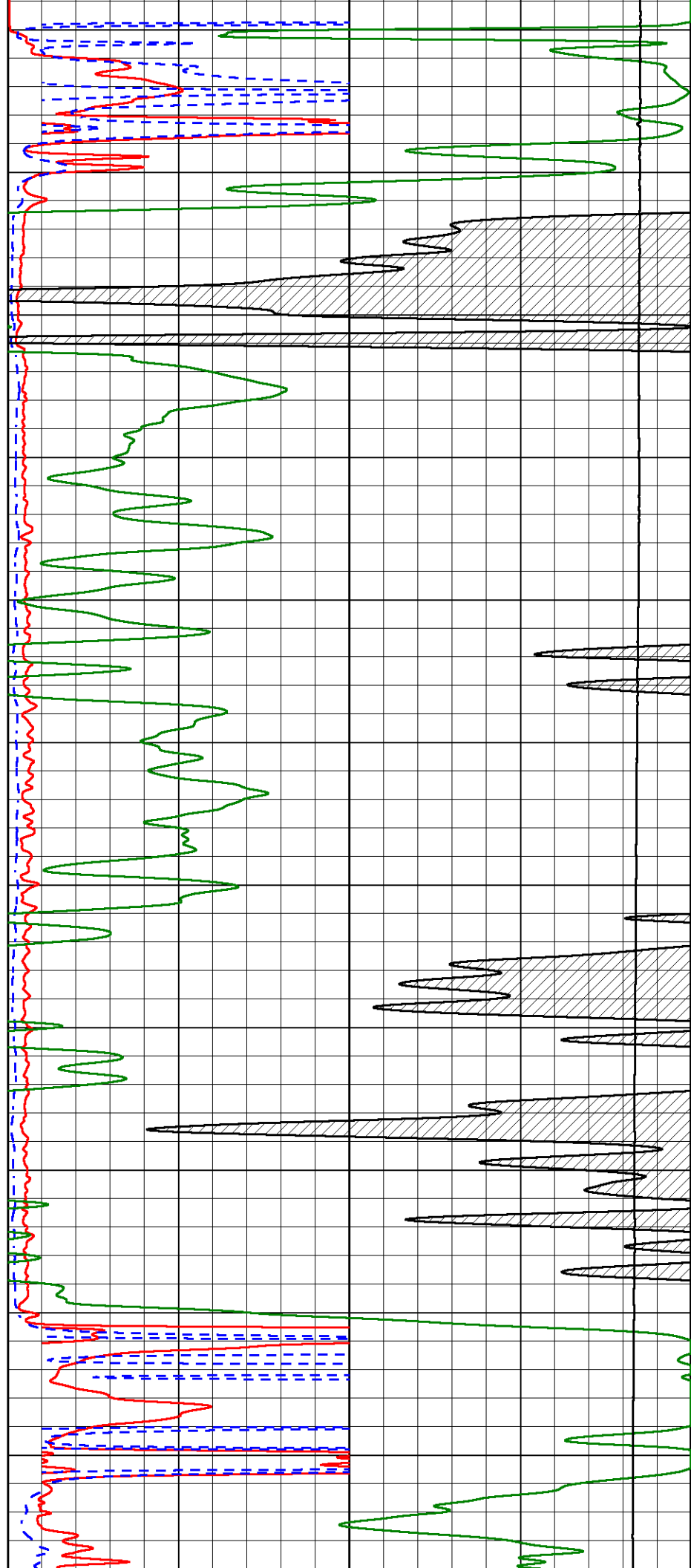
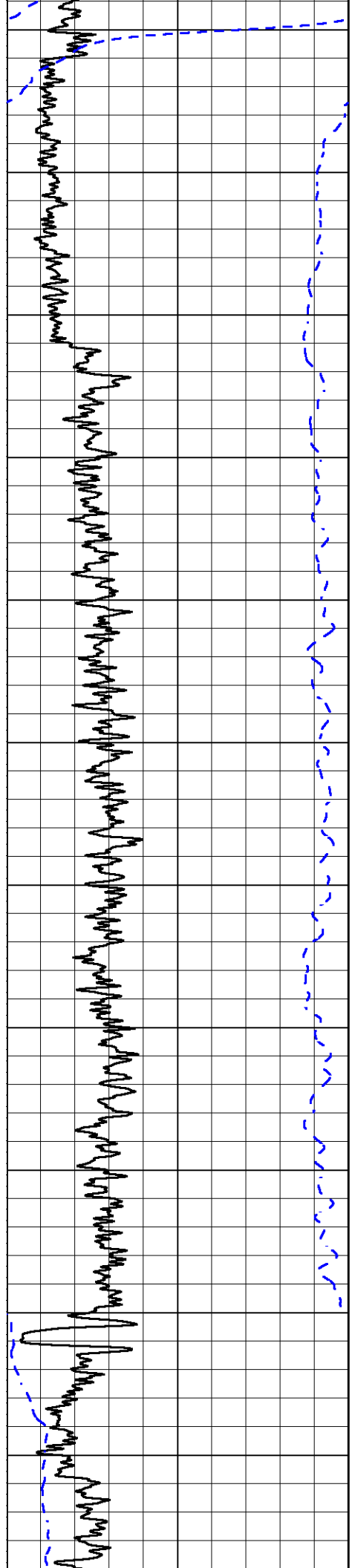


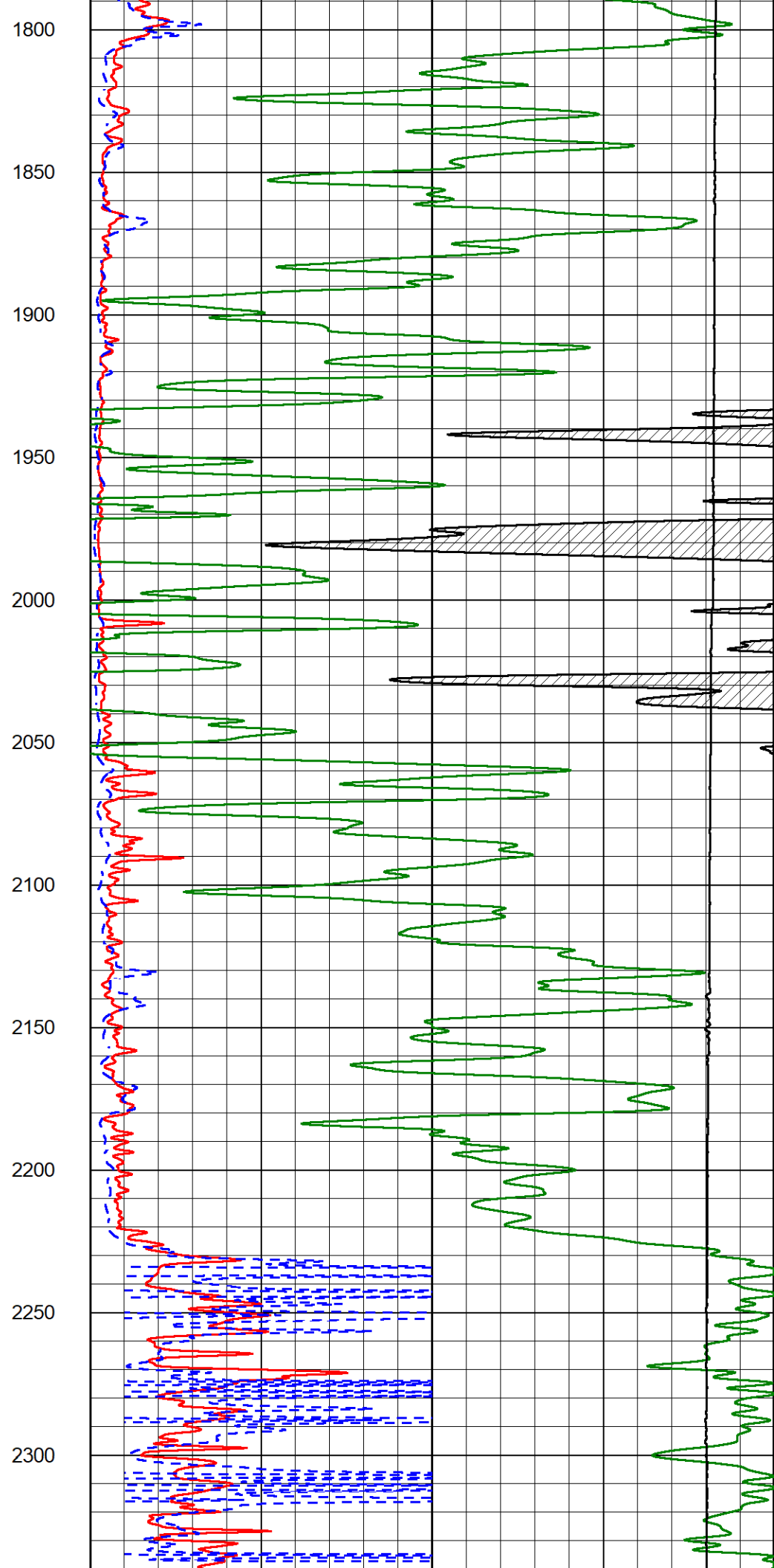
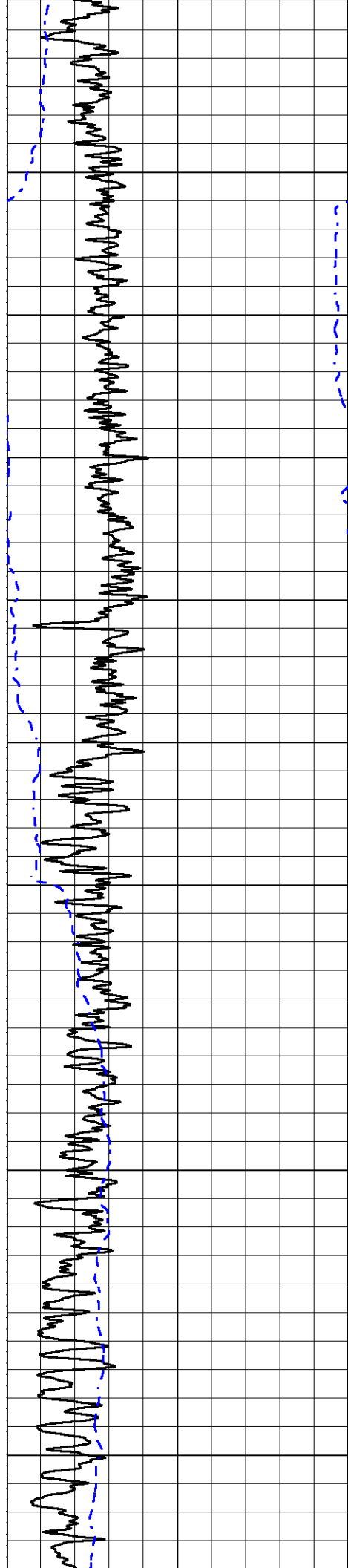
150
200
250
300
350
400
450
500
550
600
650

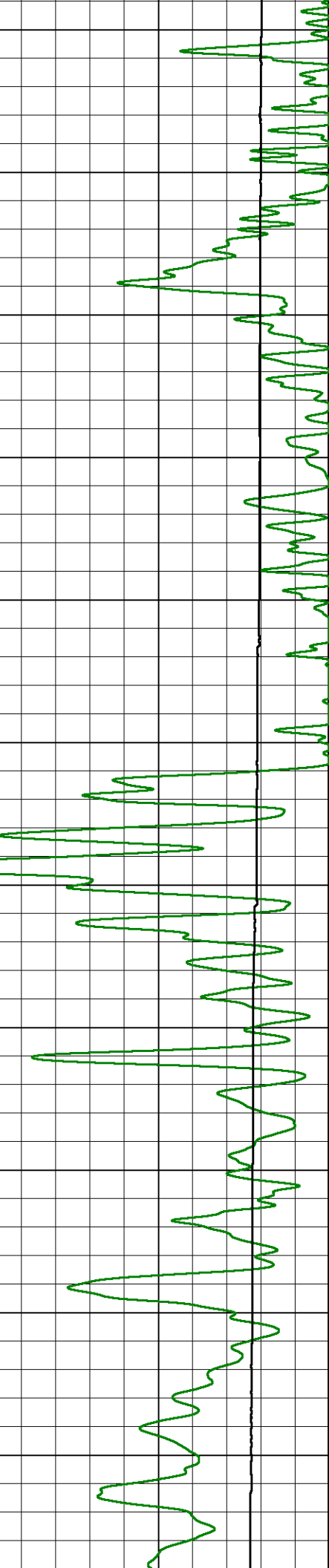
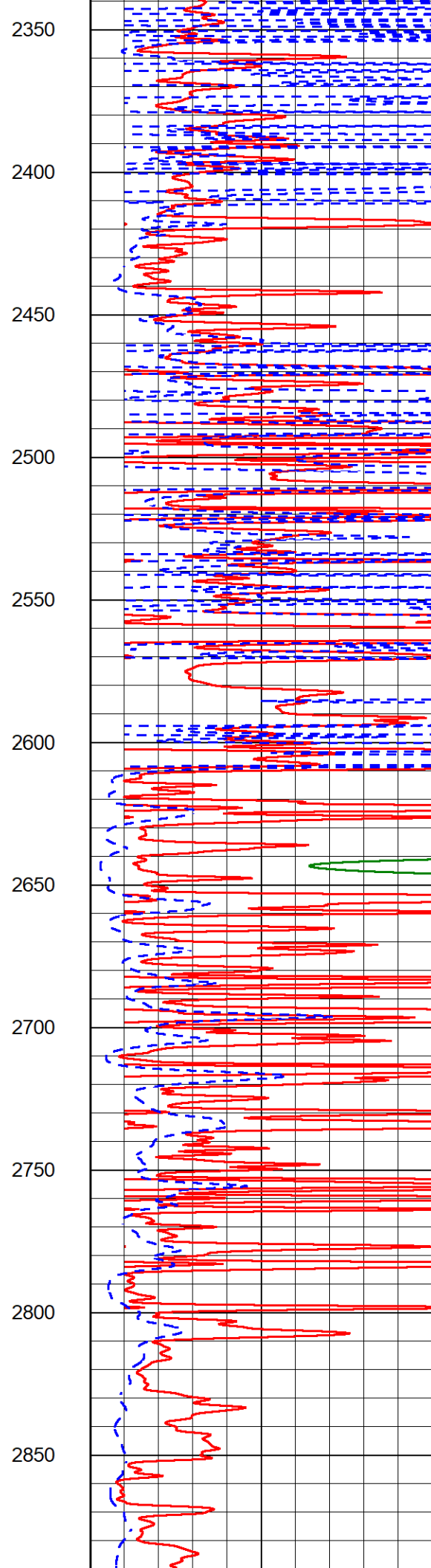
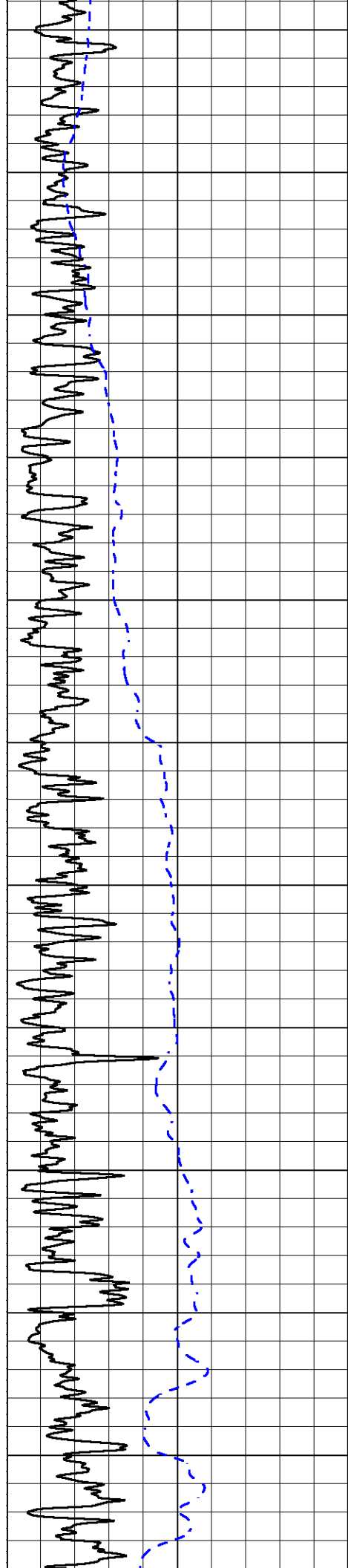




1250
1300
1350
1400
1450
1500
1550
1600
1650
1700
1750







2900

2950

3000

3050

3100

3150

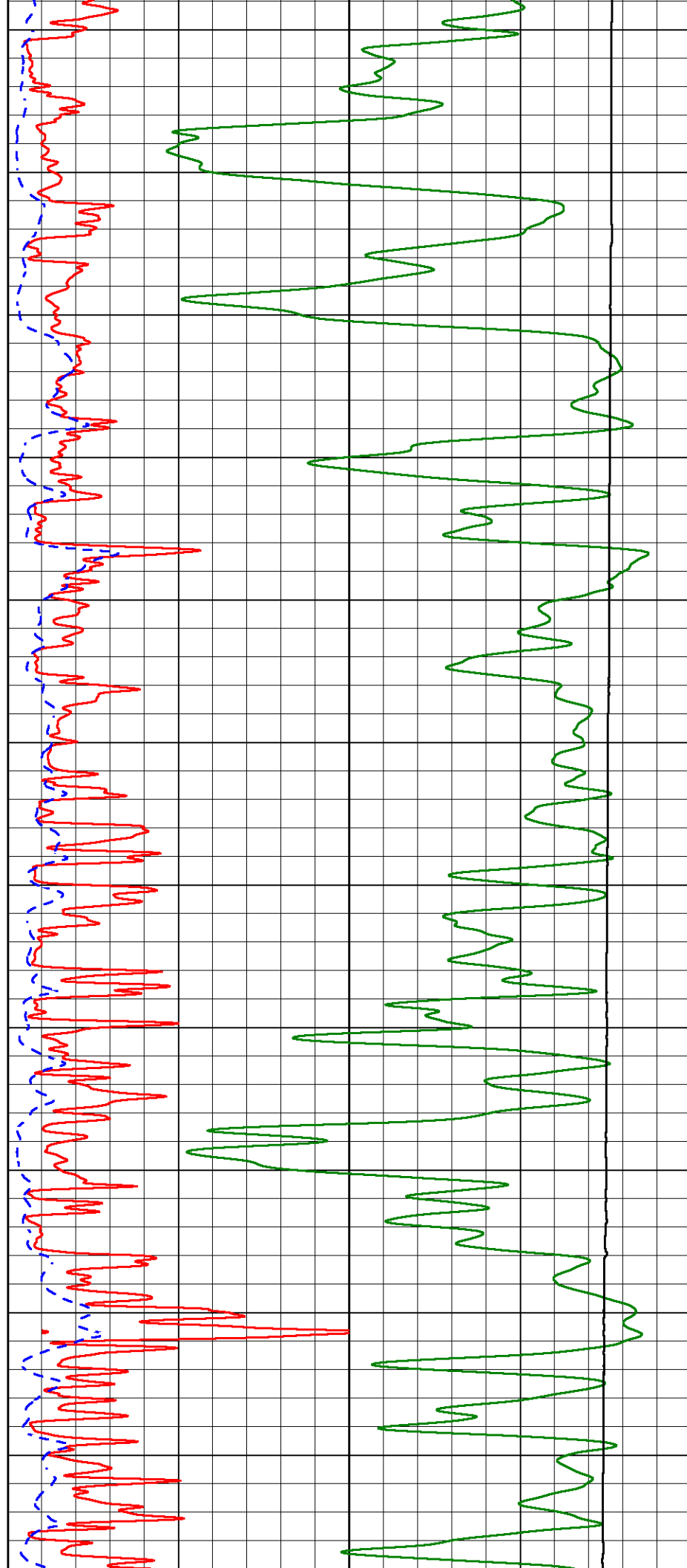
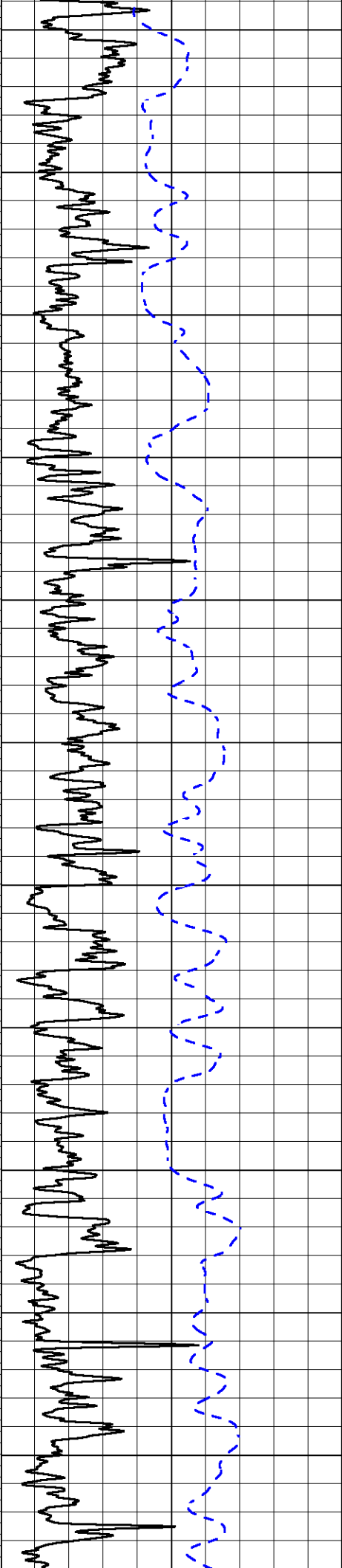
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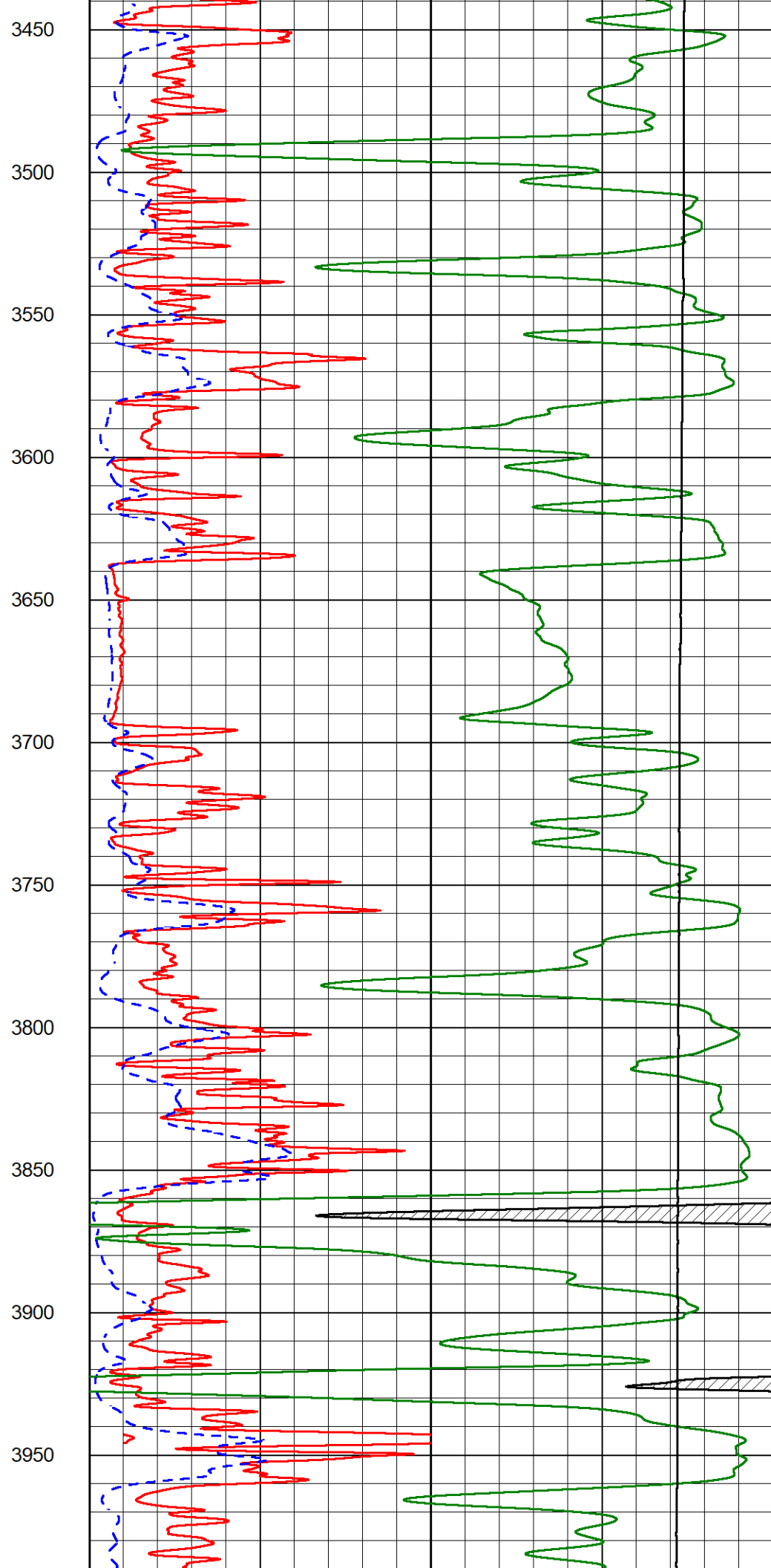
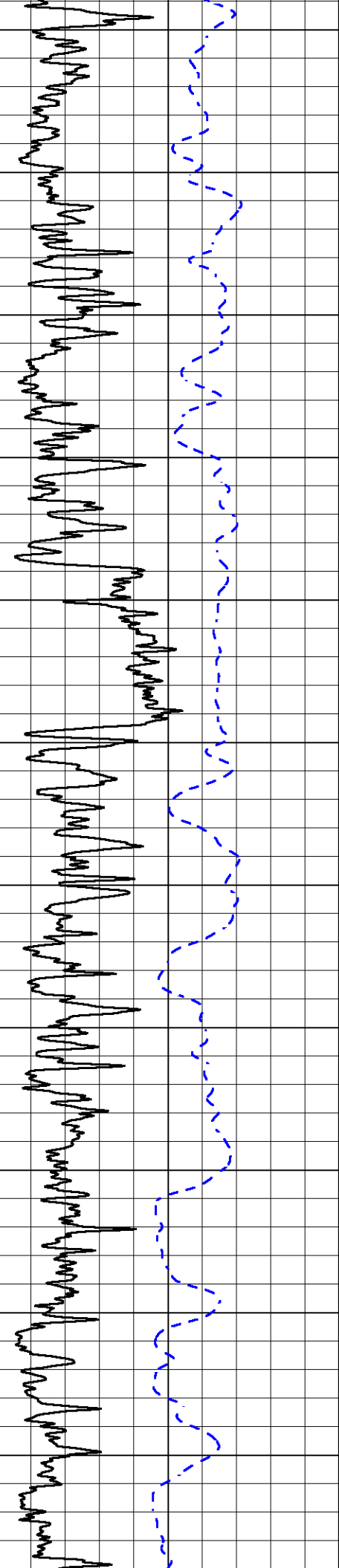
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3300

3350

3400





4000

4050

4100

4150

4200

4250

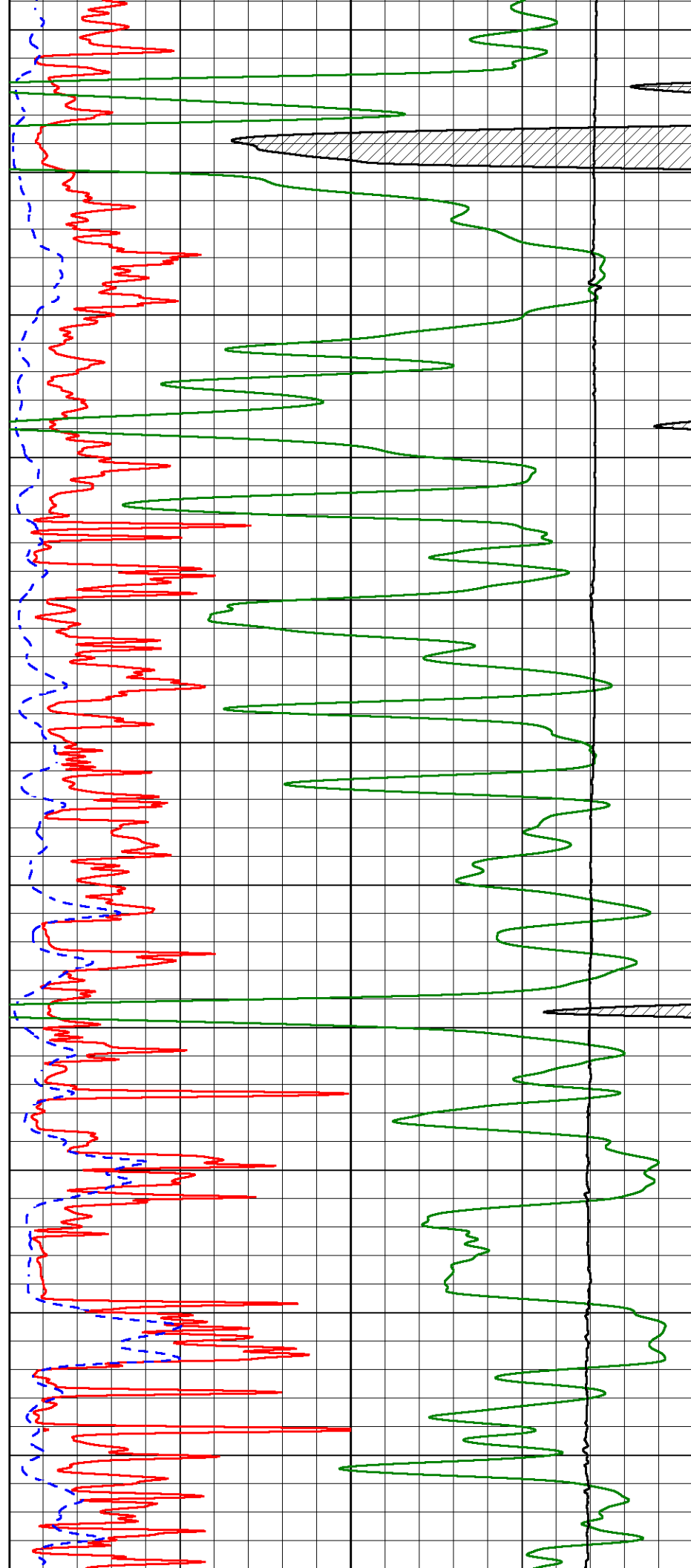
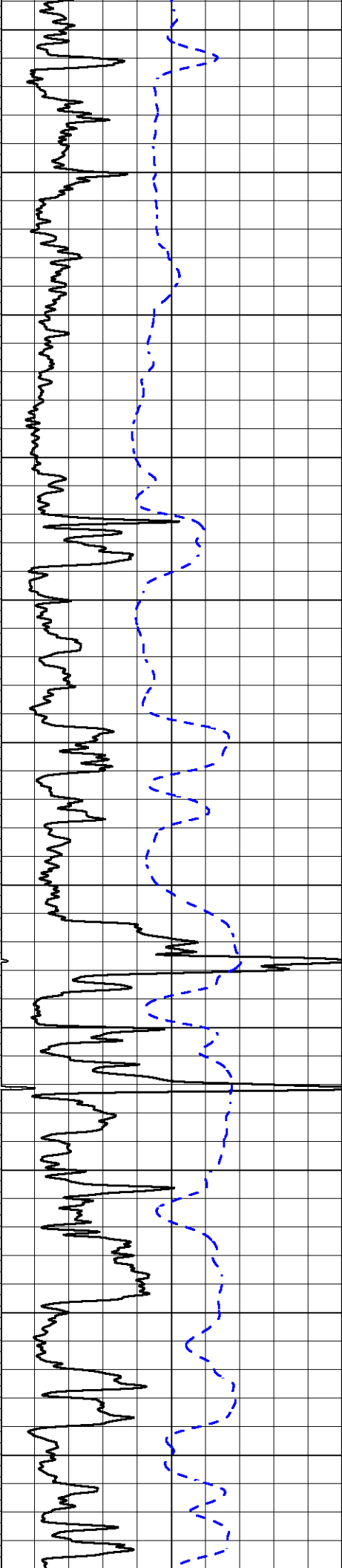
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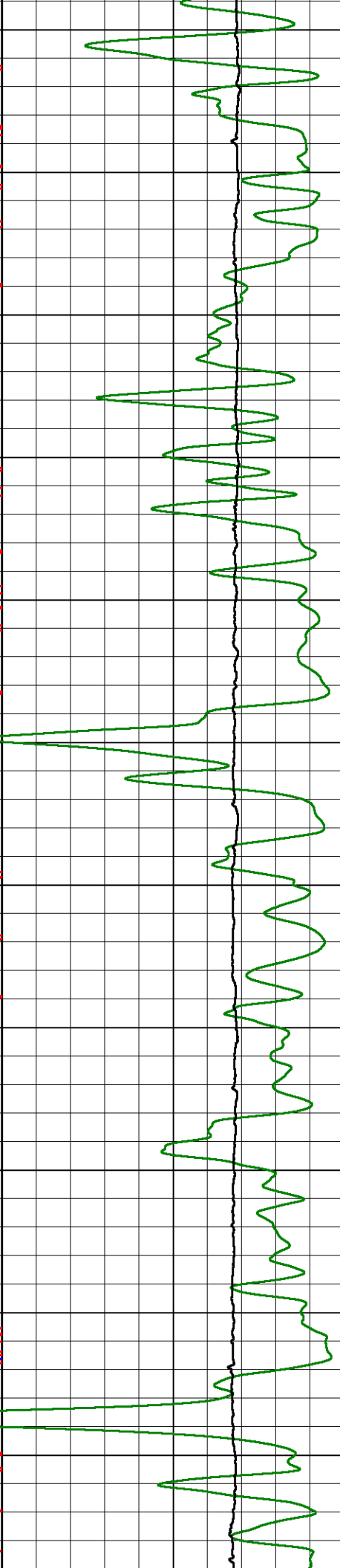
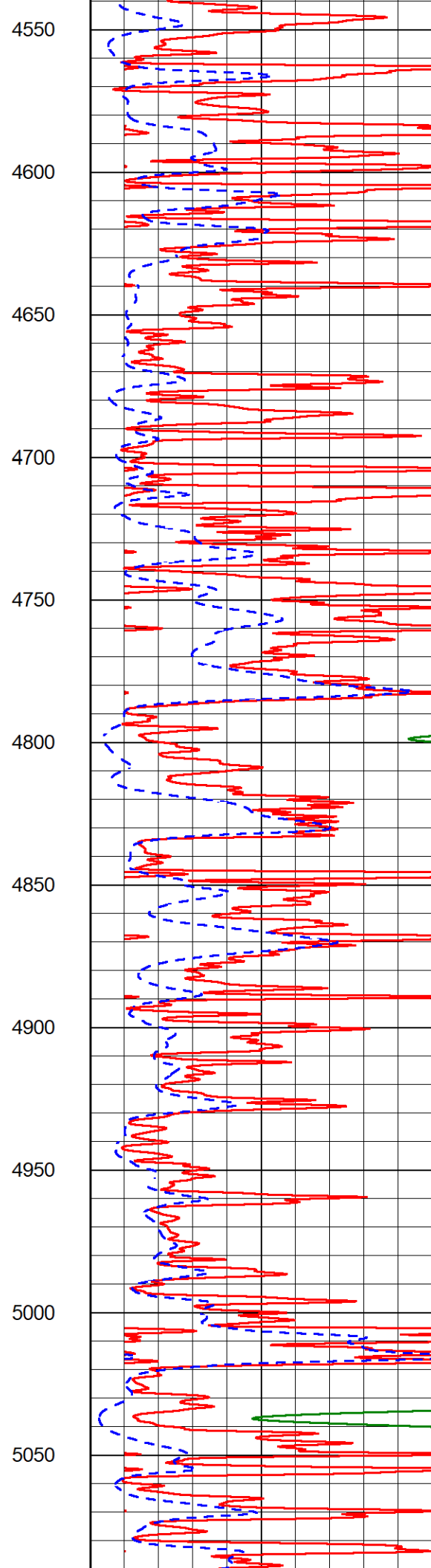
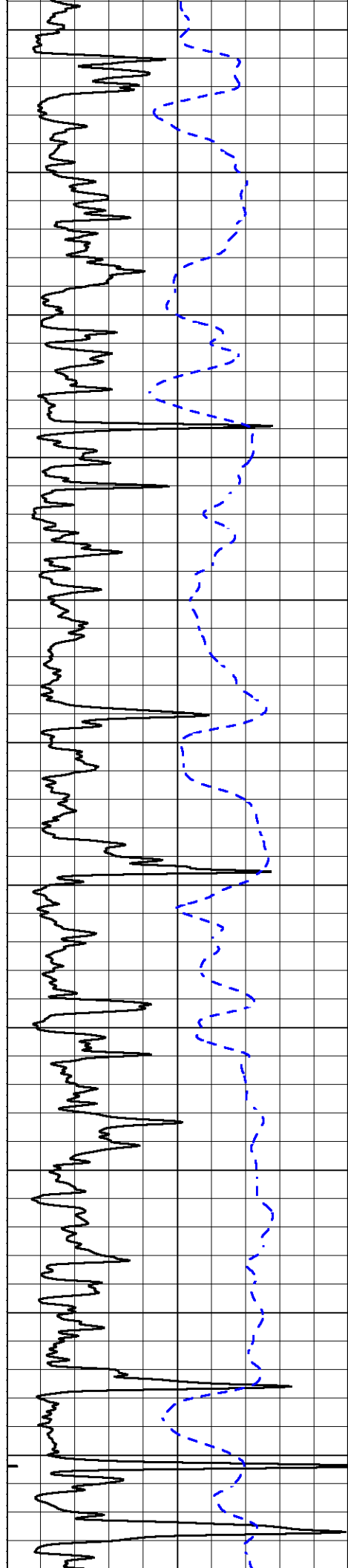
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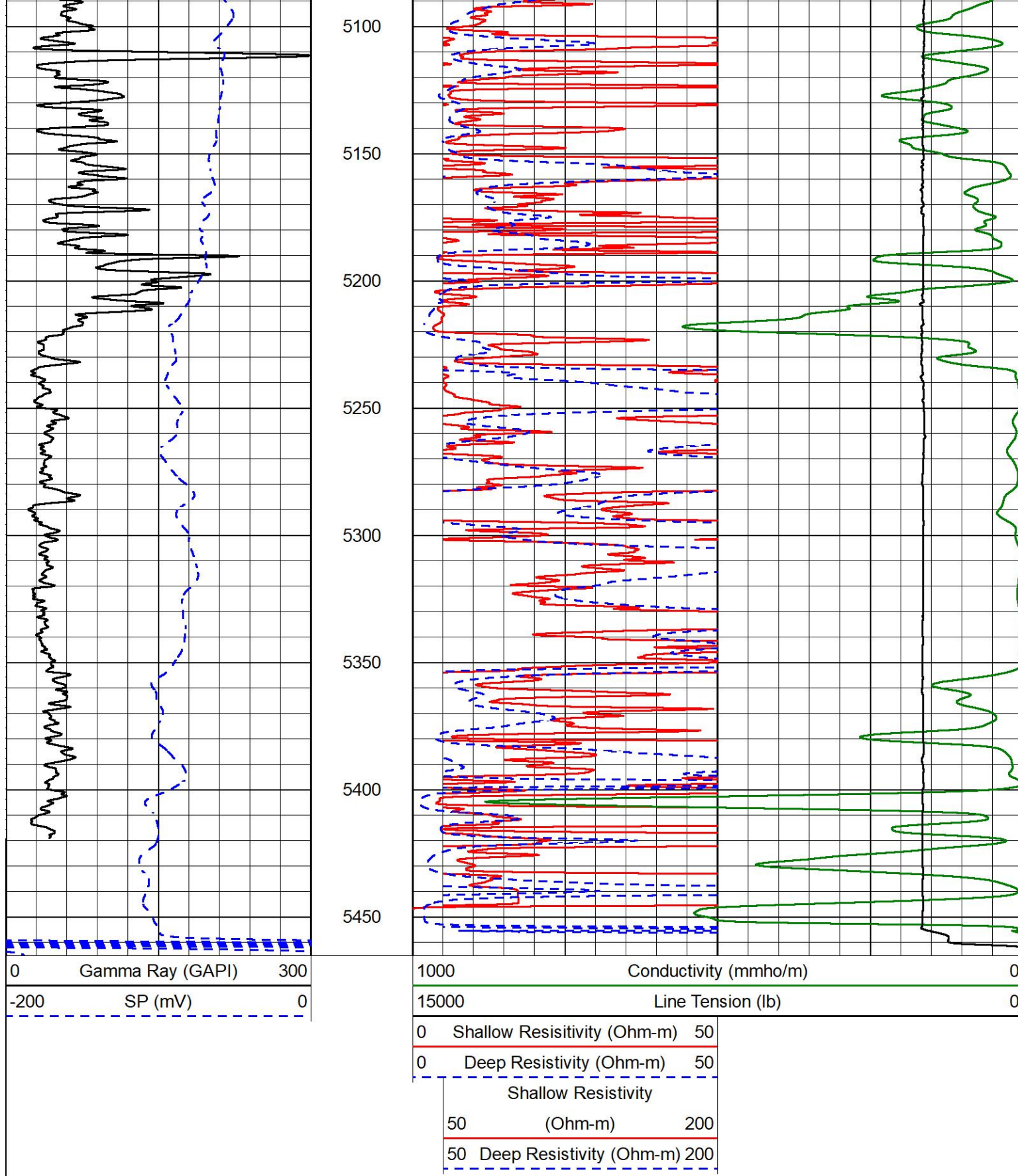
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4450

4500







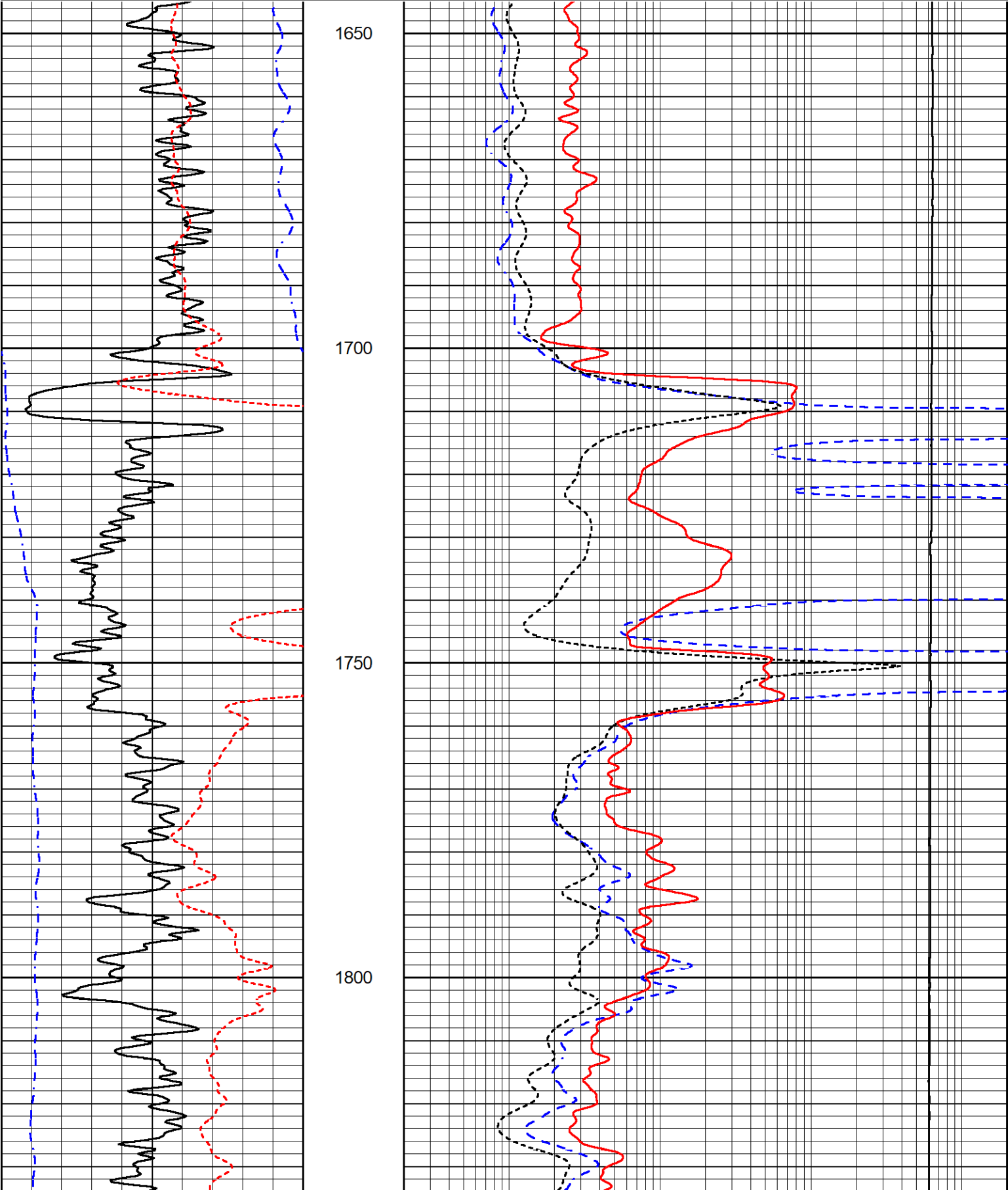
MIDWEST WIRELINE

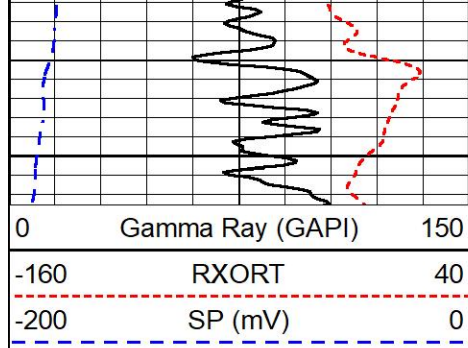
ANHYDRITE SECTION

MAIN PASS

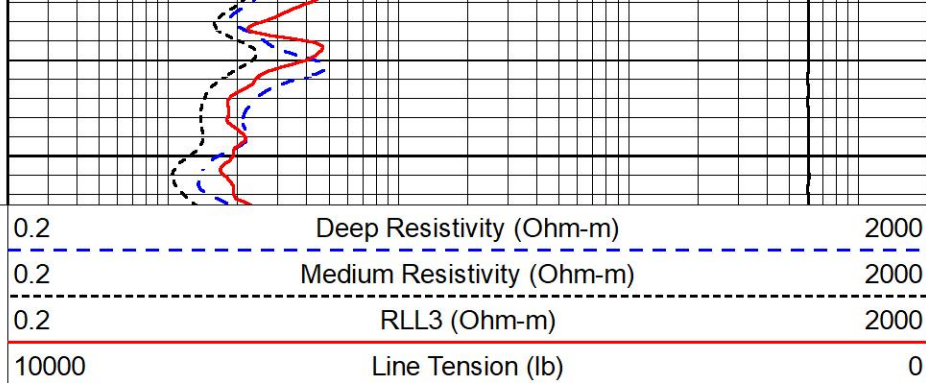
Database File carmen schmitt_molly 1-22.db
 Dataset Pathname stkml/pass3.4
 Presentation Format dil

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-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





1850

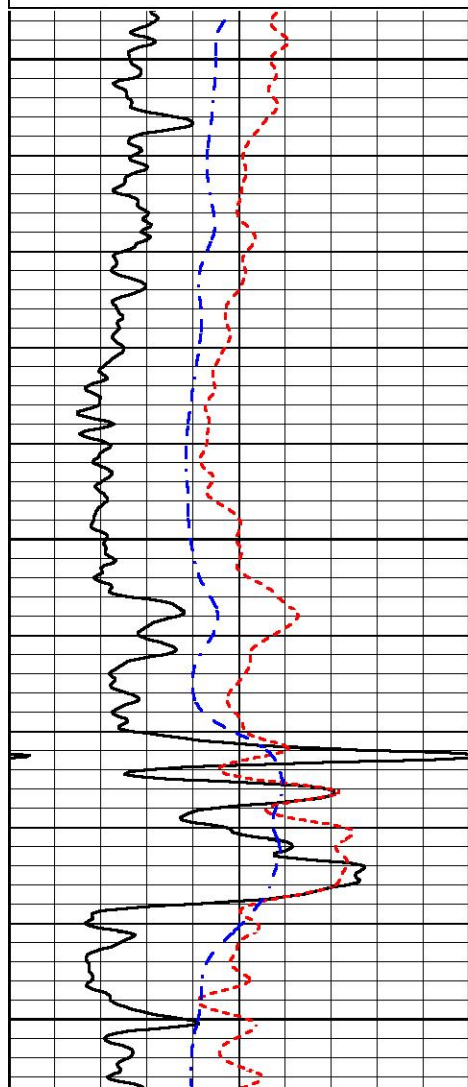
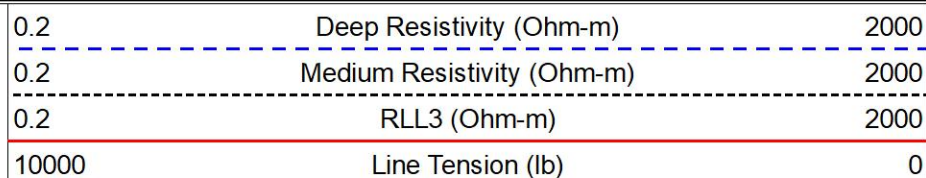
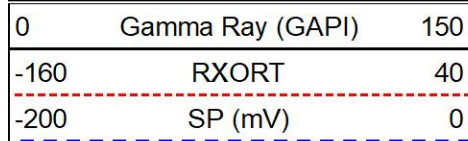


MIDWEST WIRELINE

DETAIL SECTION

MAIN PASS

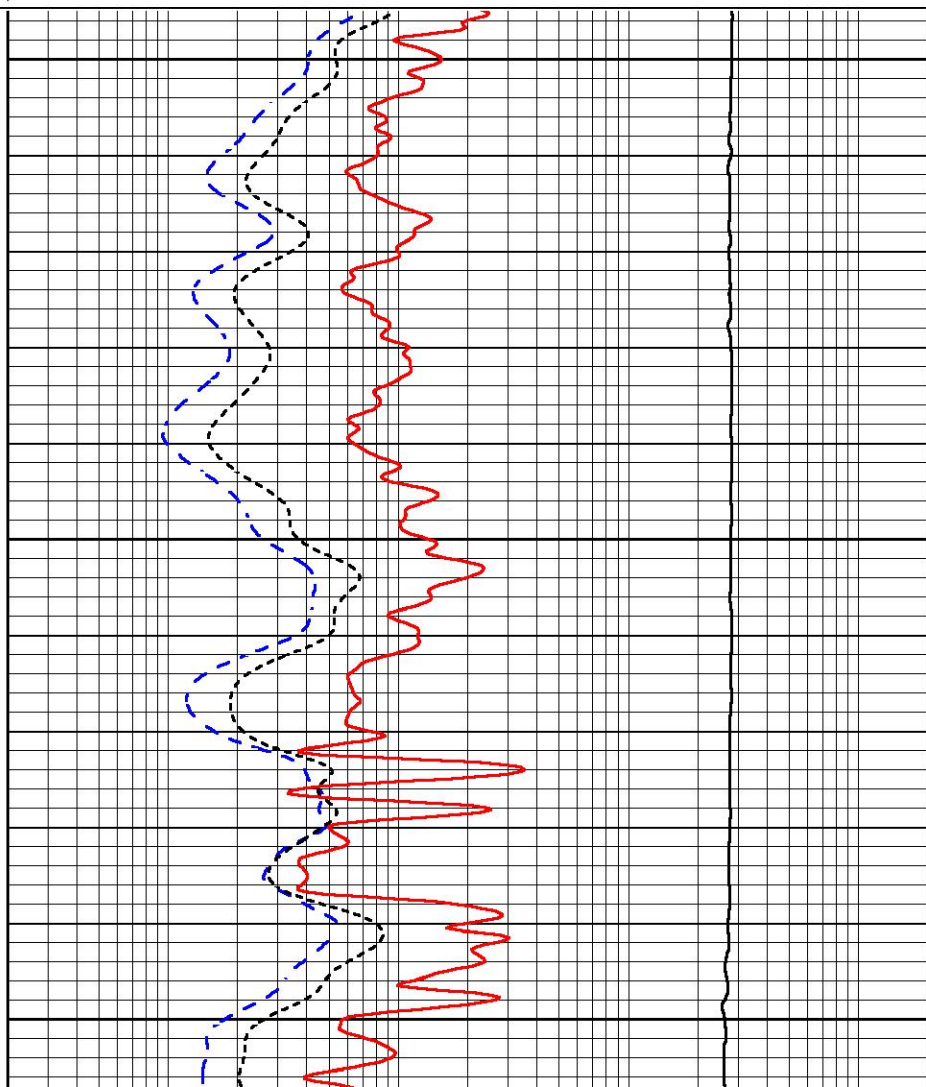
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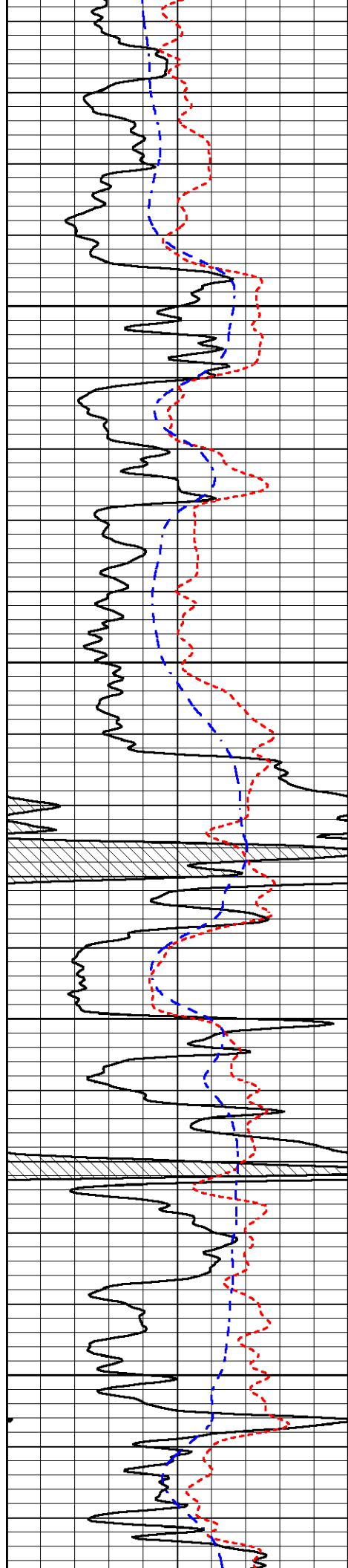


4100

4150

4200



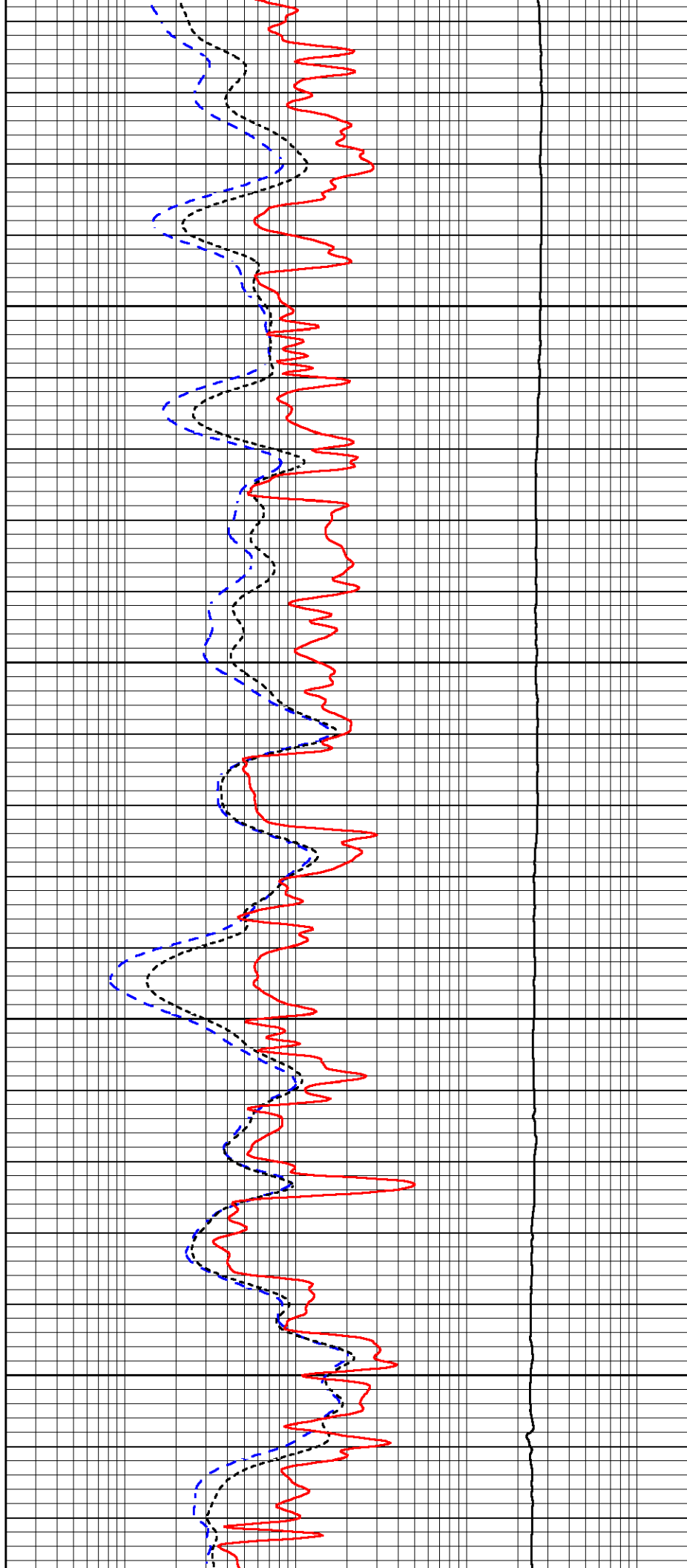


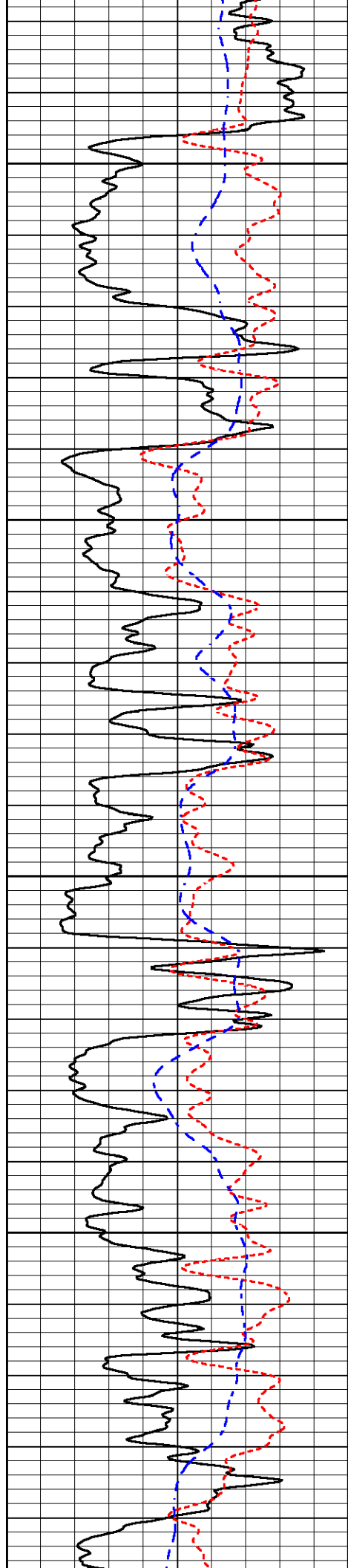
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4300

4350

4400



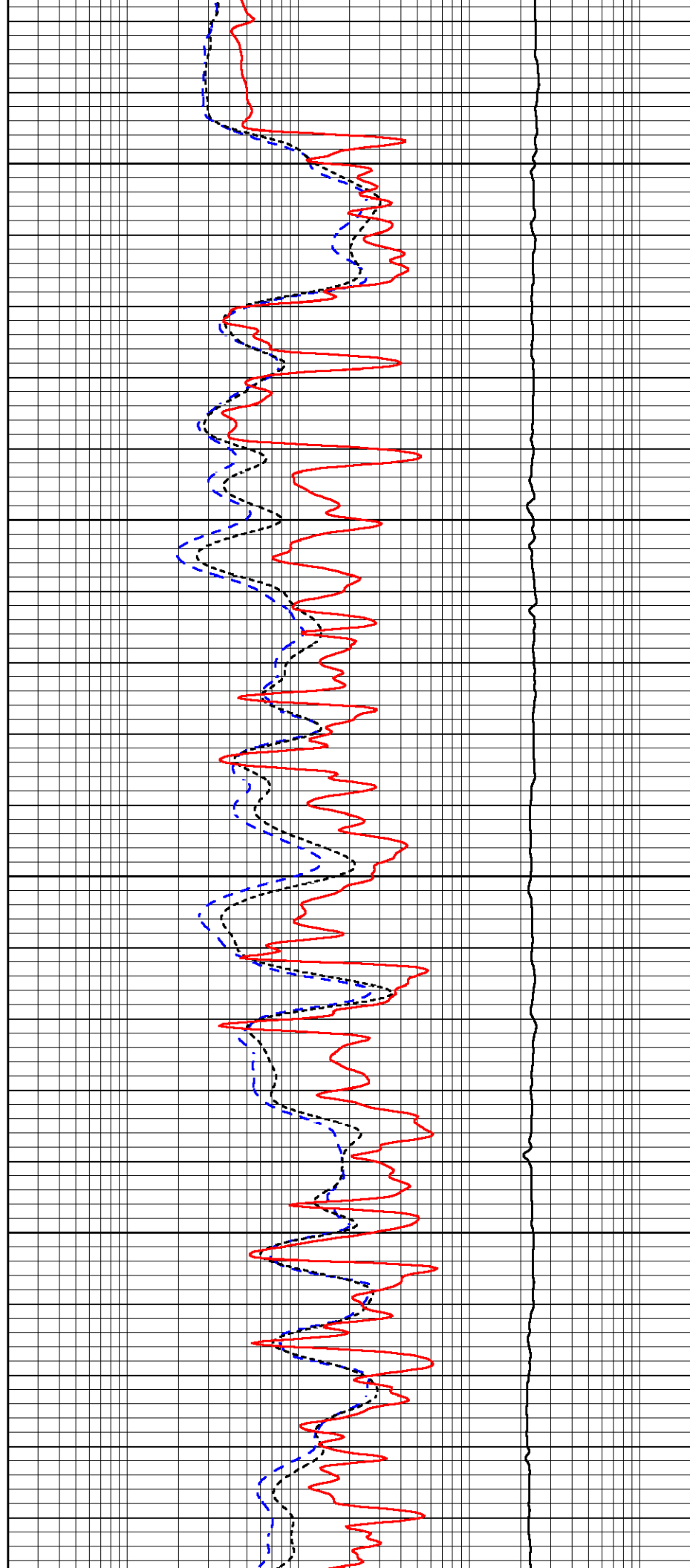


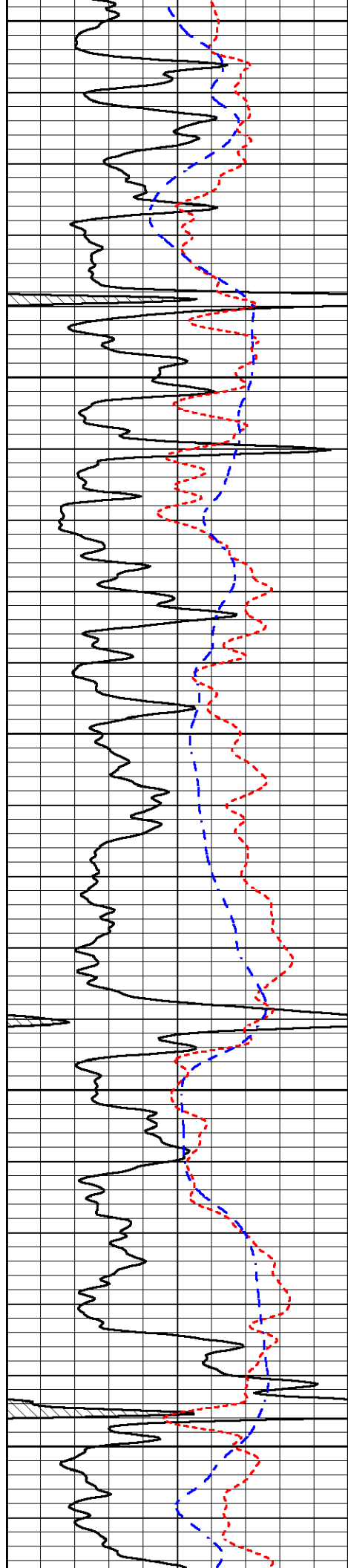
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4550

4600





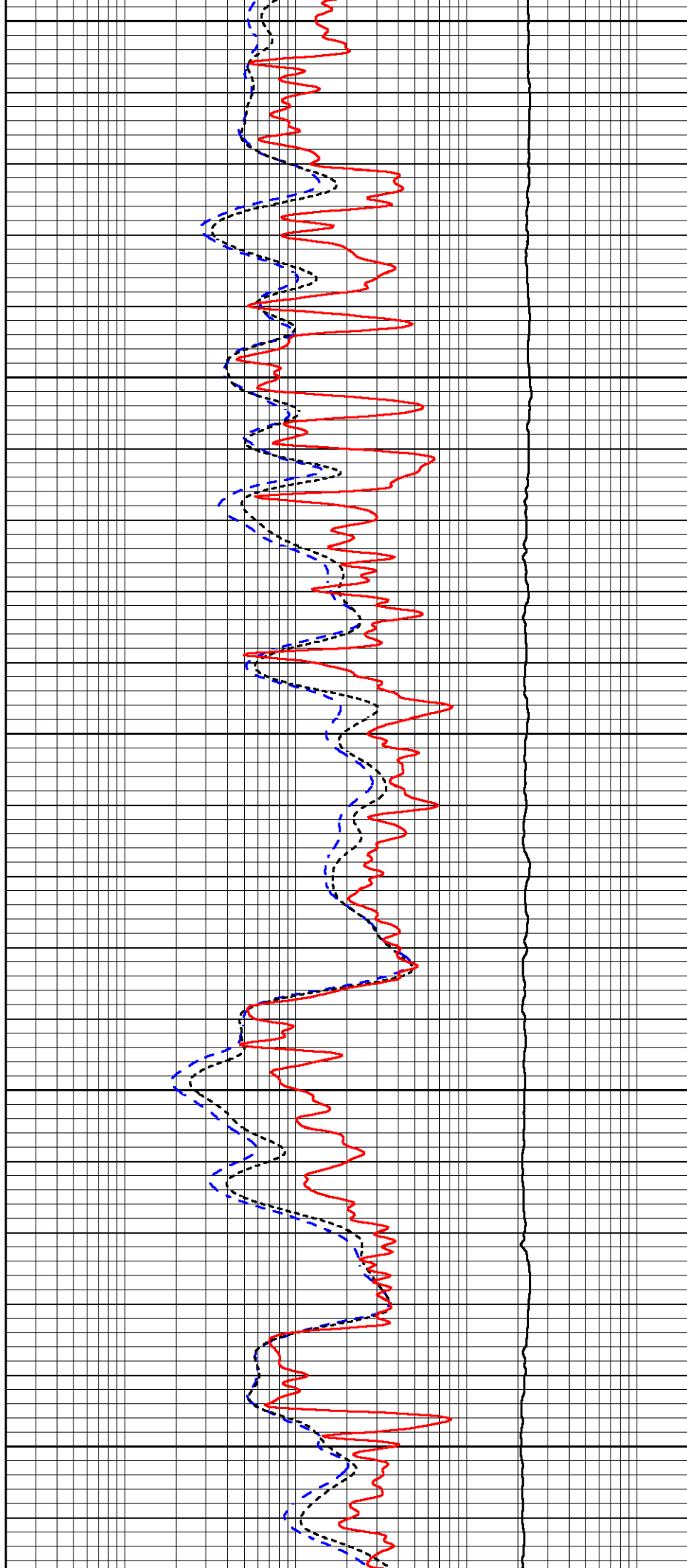
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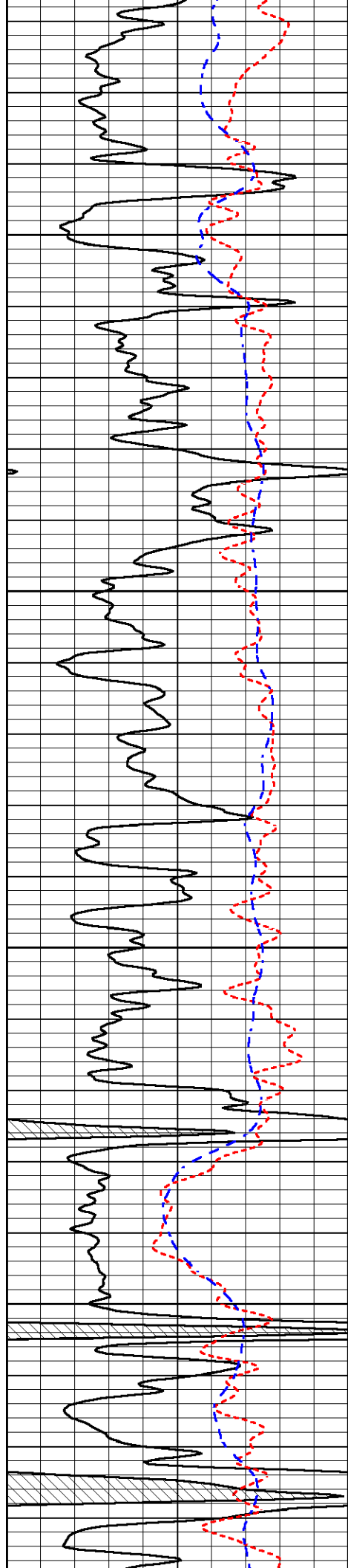
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4750

4800

4850



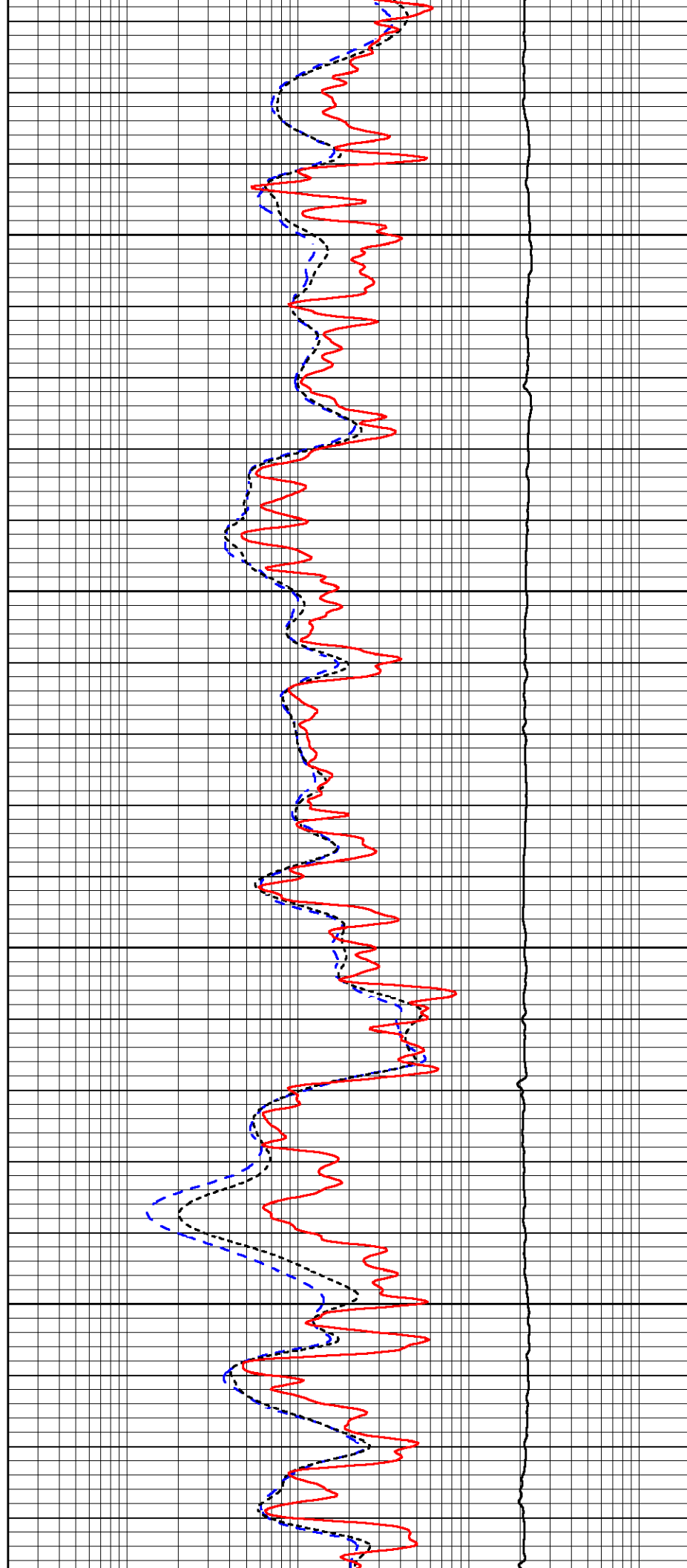


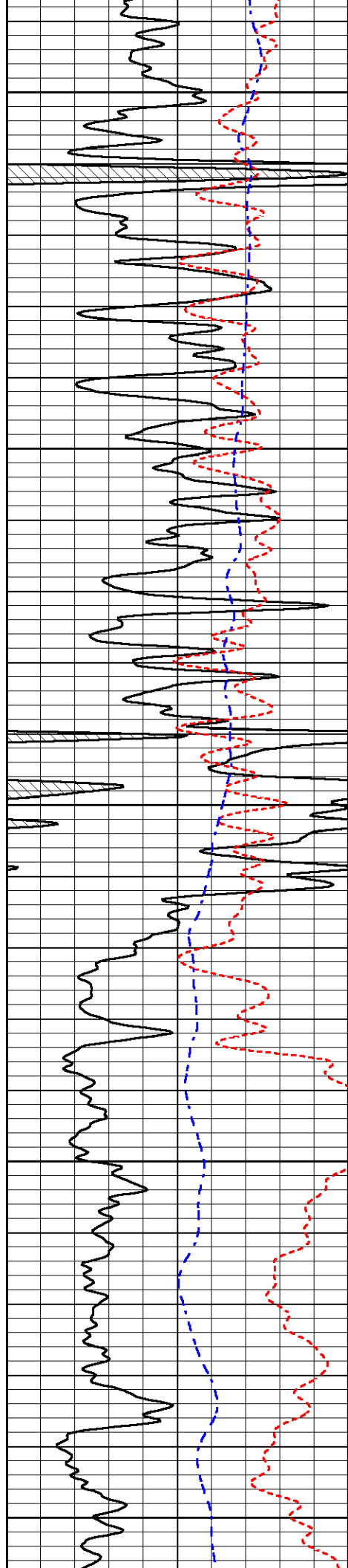
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4950

5000

5050





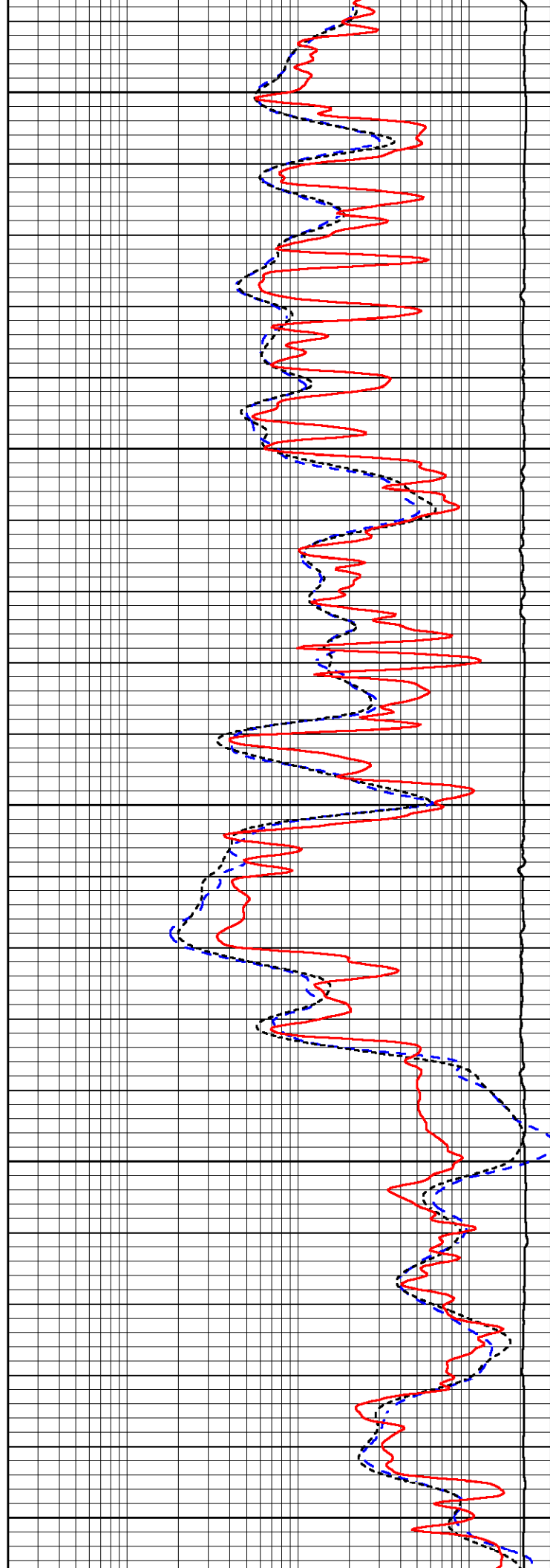
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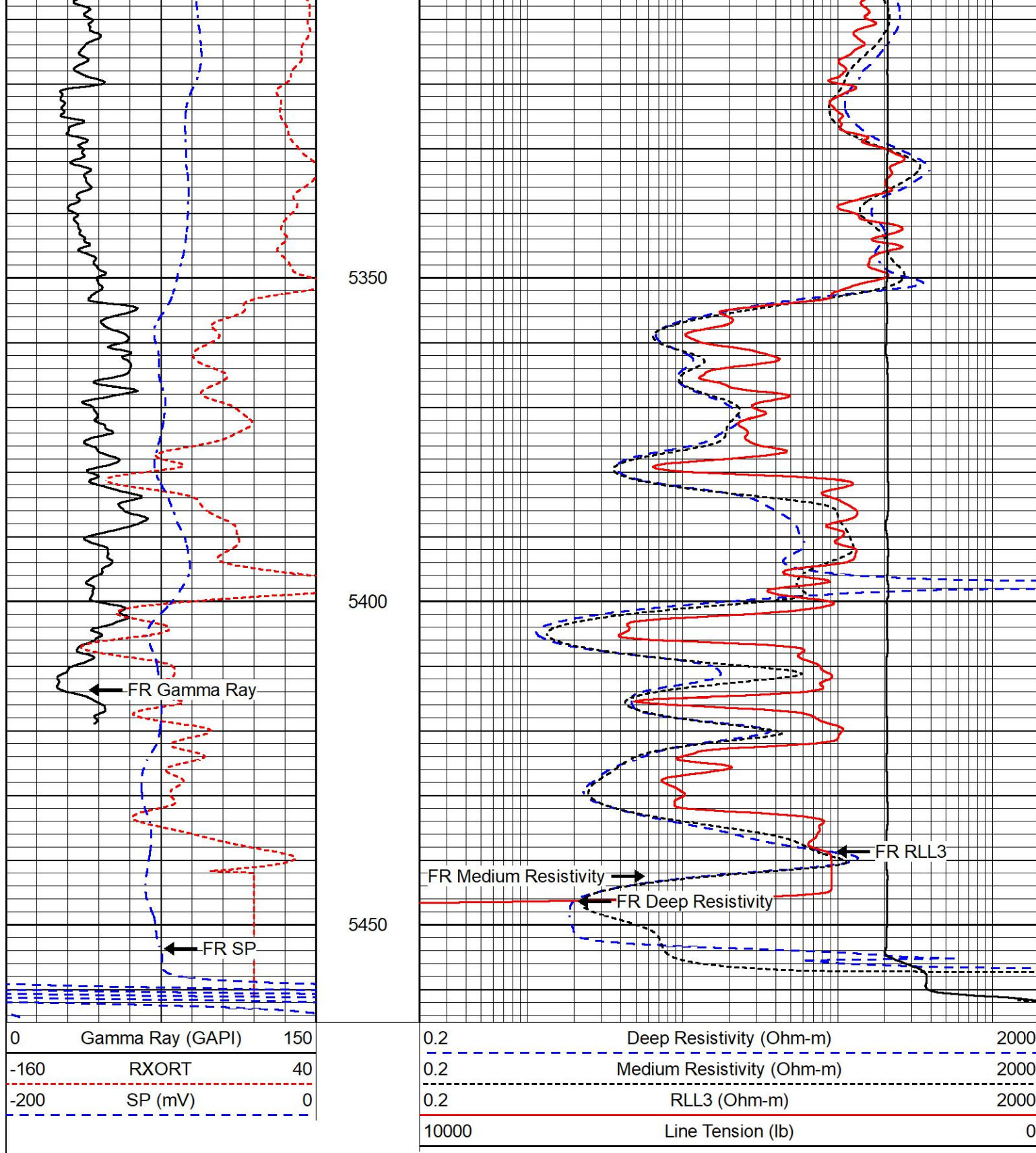
5150

5200

5250

5300





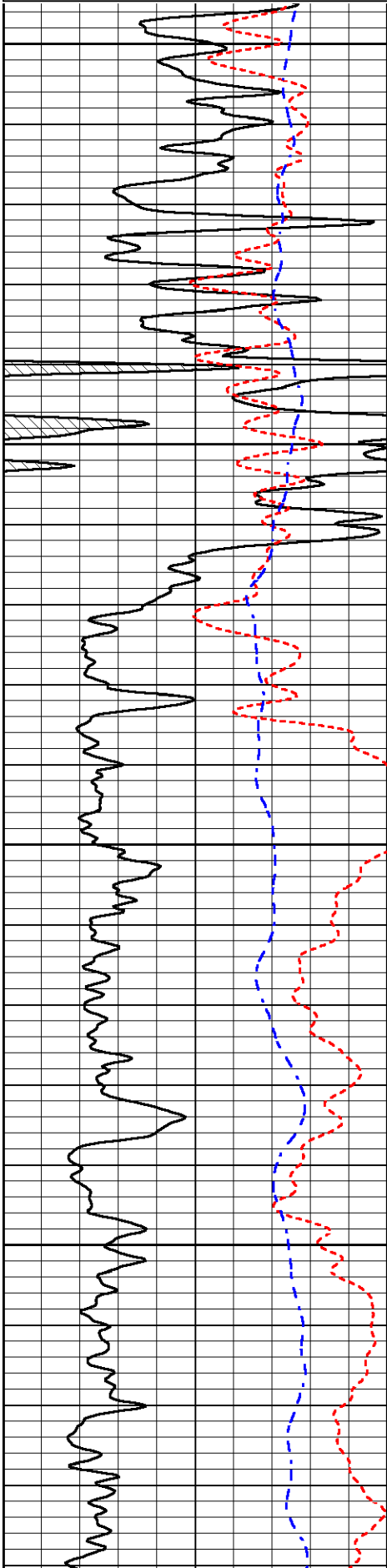
REPEAT SECTION

REPEAT PASS

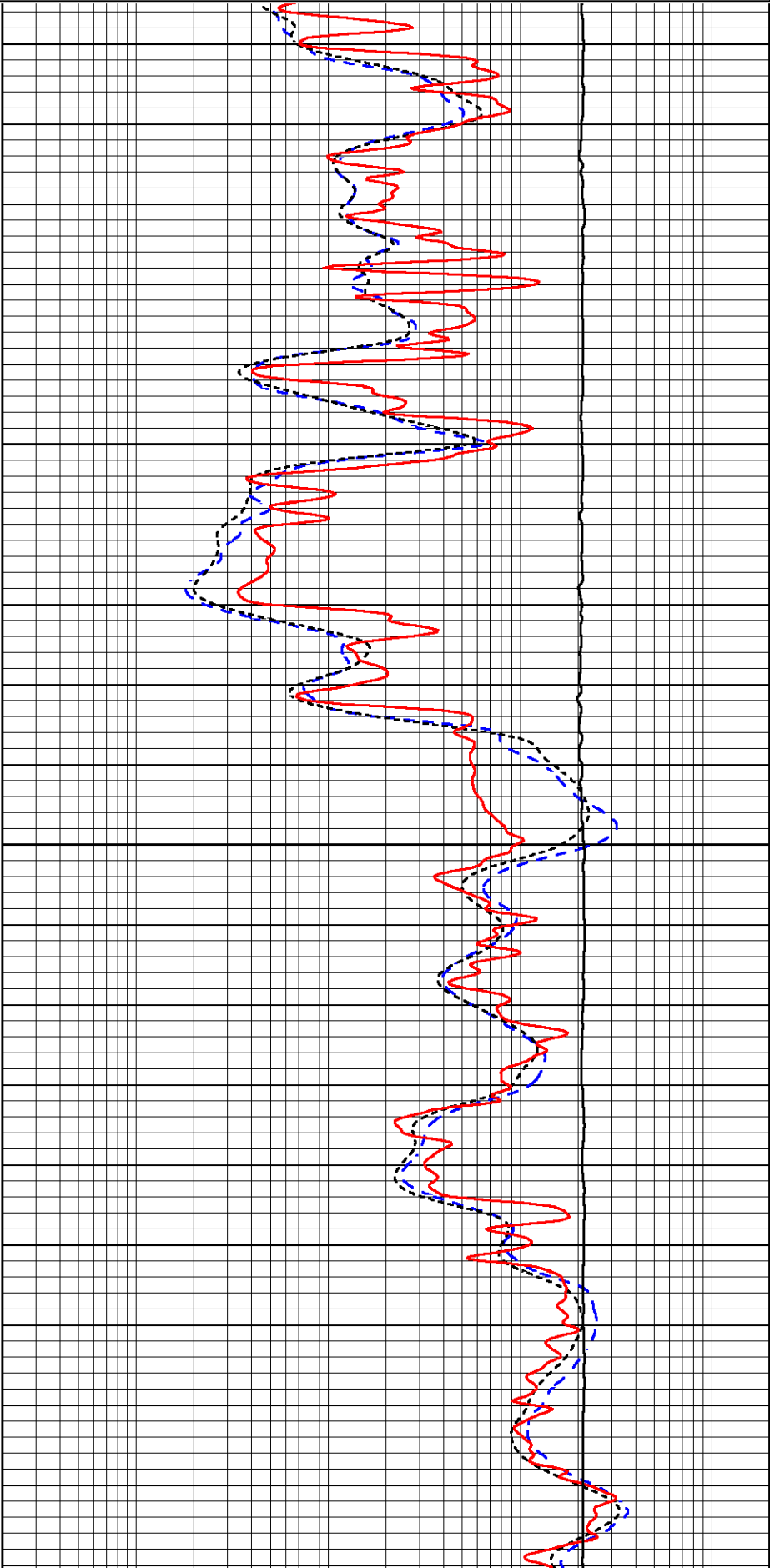
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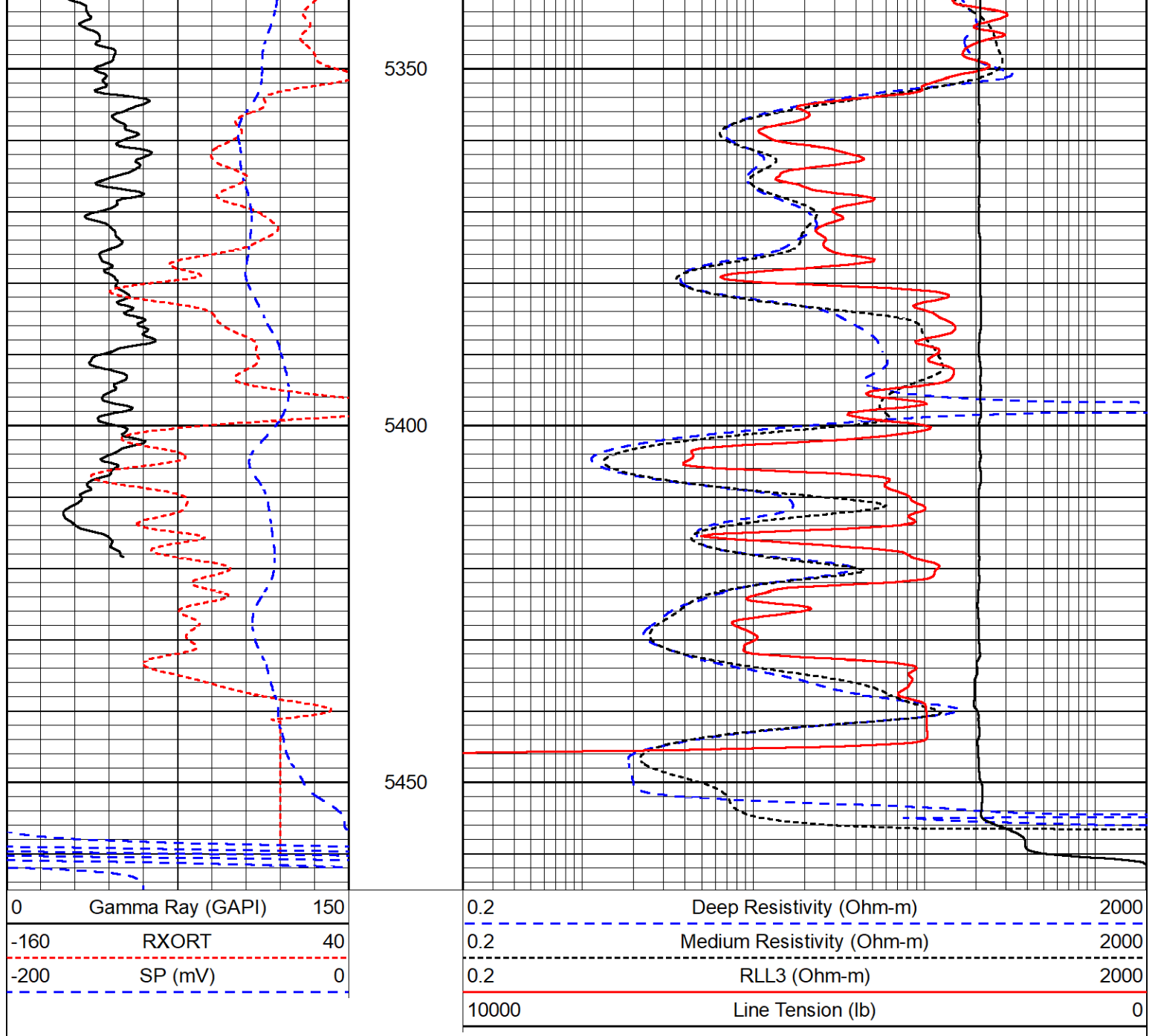
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-160	RXORT	40
-200	SP (mV)	0

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



5150
5200
5250
5300





Calibration Report

Database File carmen schmitt_molly 1-22.db
 Dataset Pathname stkml/pass3.11
 Dataset Creation Mon Oct 10 06:58:15 2022

Dual Induction Calibration Report

Serial-Model: 504 HT-M&W
 Surface Cal Performed: Mon Aug 1 06:26:43 2022

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	178.615	710.235	0.000	255.800	mmho/m	0.650	-18.000
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.450	-46.000

Microlog Calibration Report

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0037	0.0043	0.0000	10.0000	Ohm-m	16000.0000	-1.0000
Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m	16500.0000	-0.2000
Caliper	1.0049	1.0846	5.5000	20.0000	in	135.0000	-131.3200

Compensated Density Calibration Report

Serial-Model: 303-03-M&W
 Source #: 21170B
 Master Calibration Performed: Thu Aug 11 05:43:18 2022

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	3841.78	5151.73	cps
Aluminum	2.650	g/cc	700.98	3068.49	cps
Spine Angle = 73.06			Density/Spine Ratio = 0.503		
	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 Carmen Schmitt, Inc.
 Well Molly #1-22
 Field
 County

