



COMPENSATED DENSITY / NEUTRON PE LOG

Company SATCHELL CREEK PETROLEUM, LLC.

Well CATHEDRAL "A" 2

Field CATHERINE EAST

County ELLIS State KANSAS

Location: API #: 15-051-27050-0000

835' FNL & 345' FEL
NW - SE - NE - NE

Other Services
DIL/MEL
SONIC

SEC 11 TWP 13S RGE 17W

Permanent Datum GROUND LEVEL Elevation 2029
Log Measured From KELLY BUSHING 6' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2035
D.F. 2033
G.L. 2029

Date 9/11/22

Run Number ONE

Depth Driller 3655

Depth Logger 3645

Bottom Logged Interval 3621

Top Log Interval 00

Casing Driller 8 5/8" @ 214'

Casing Logger 214

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD CHLORIDES 12,000 PPM

Density / Viscosity 9.6/49

pH / Fluid Loss 10.0/8.8

Source of Sample FLOWLINE

Rm @ Meas. Temp .400 @ 82F

Rmf @ Meas. Temp .300 @ 82F

Rmc @ Meas. Temp .480 @ 82F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .290 @ 113F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 2:30 P.M.

Maximum Recorded Temperature 113F

Equipment Number 922339

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By KEATON JONES

CHRIS LEIKER

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

15-051-27050-0000

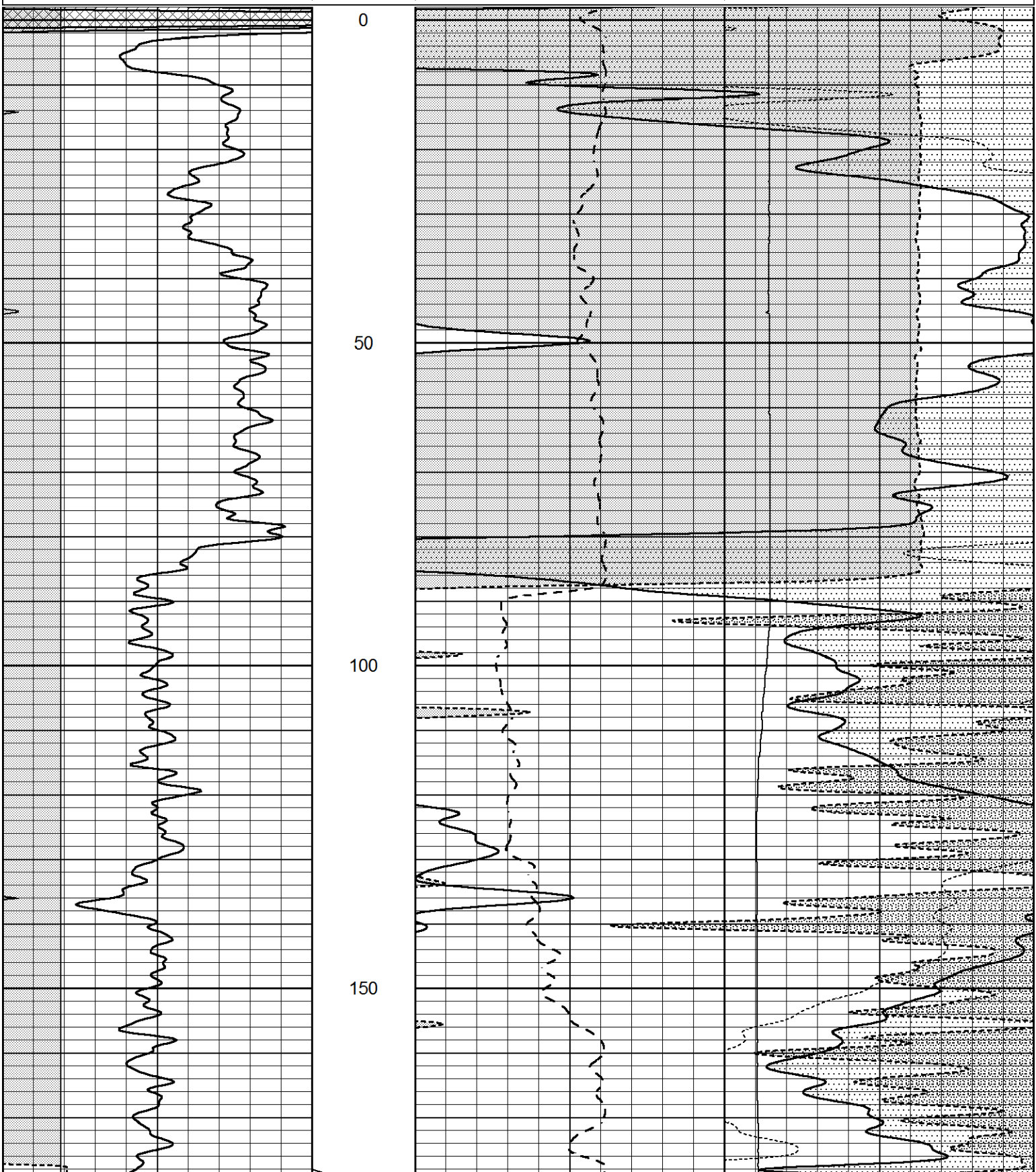
Comments

THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
VICTORIA, KS. & I-70, N. TO CATHERINE BLKTOP, 1W. TO "330TH", 1/2N., W. INTO



MAIN SECTION

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10
			0 (ft3) 10		-0.25	CORRECTION (g/cc) 0.25
					0	LTEN (lb) 5000



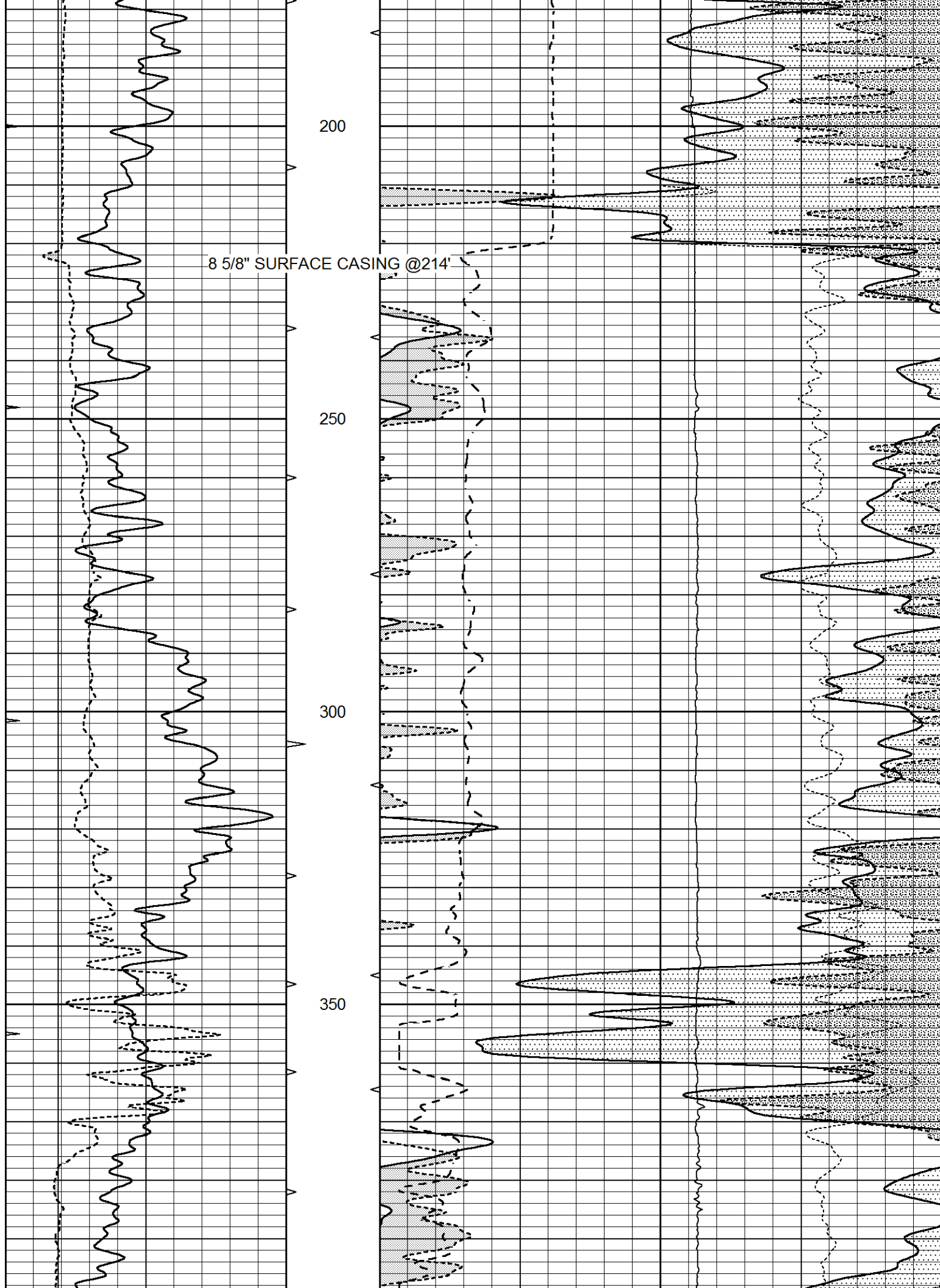
8 5/8" SURFACE CASING @214'

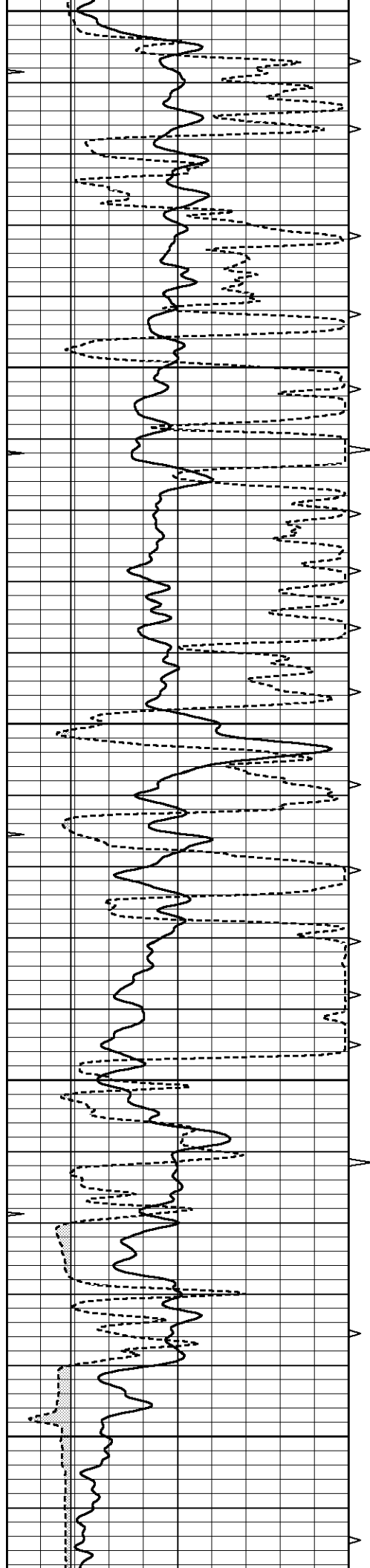
200

250

300

350





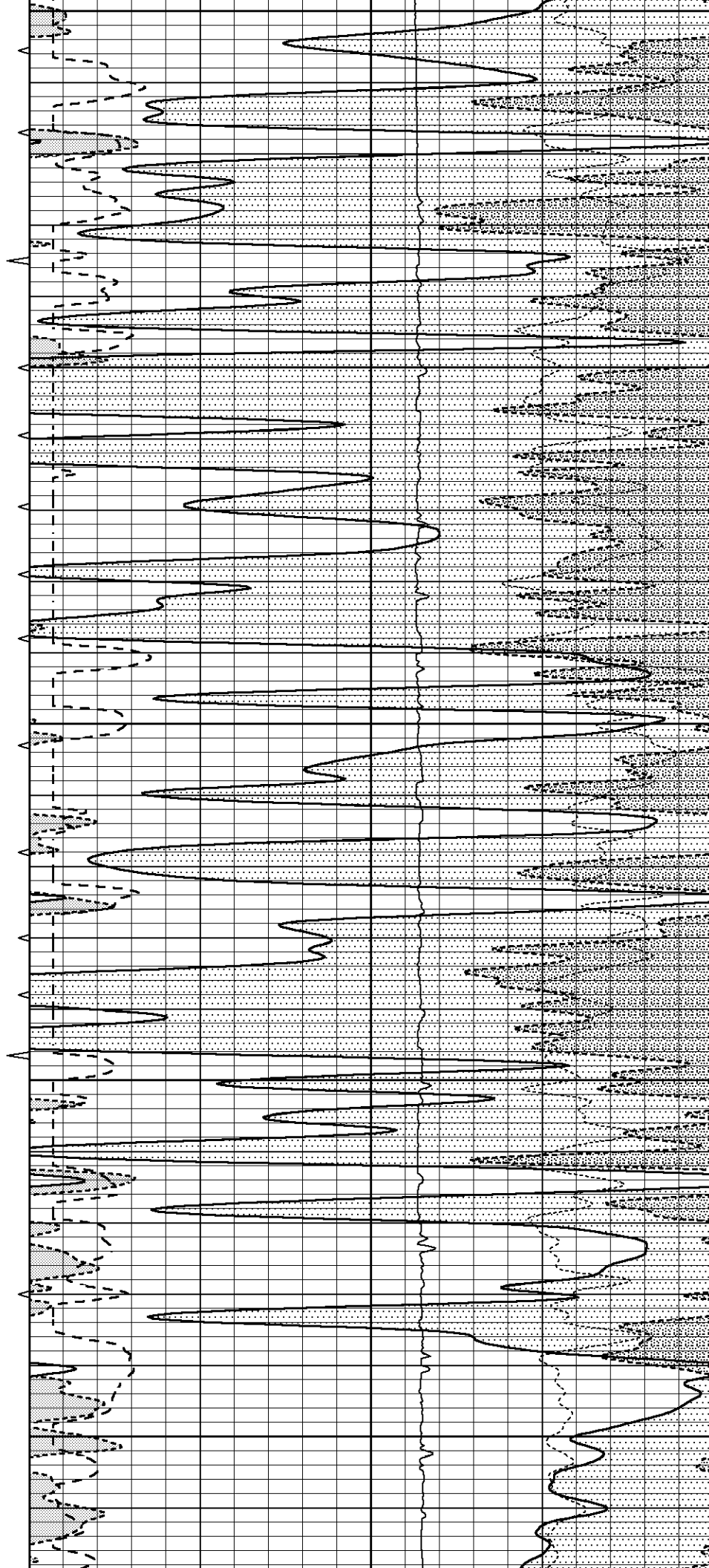
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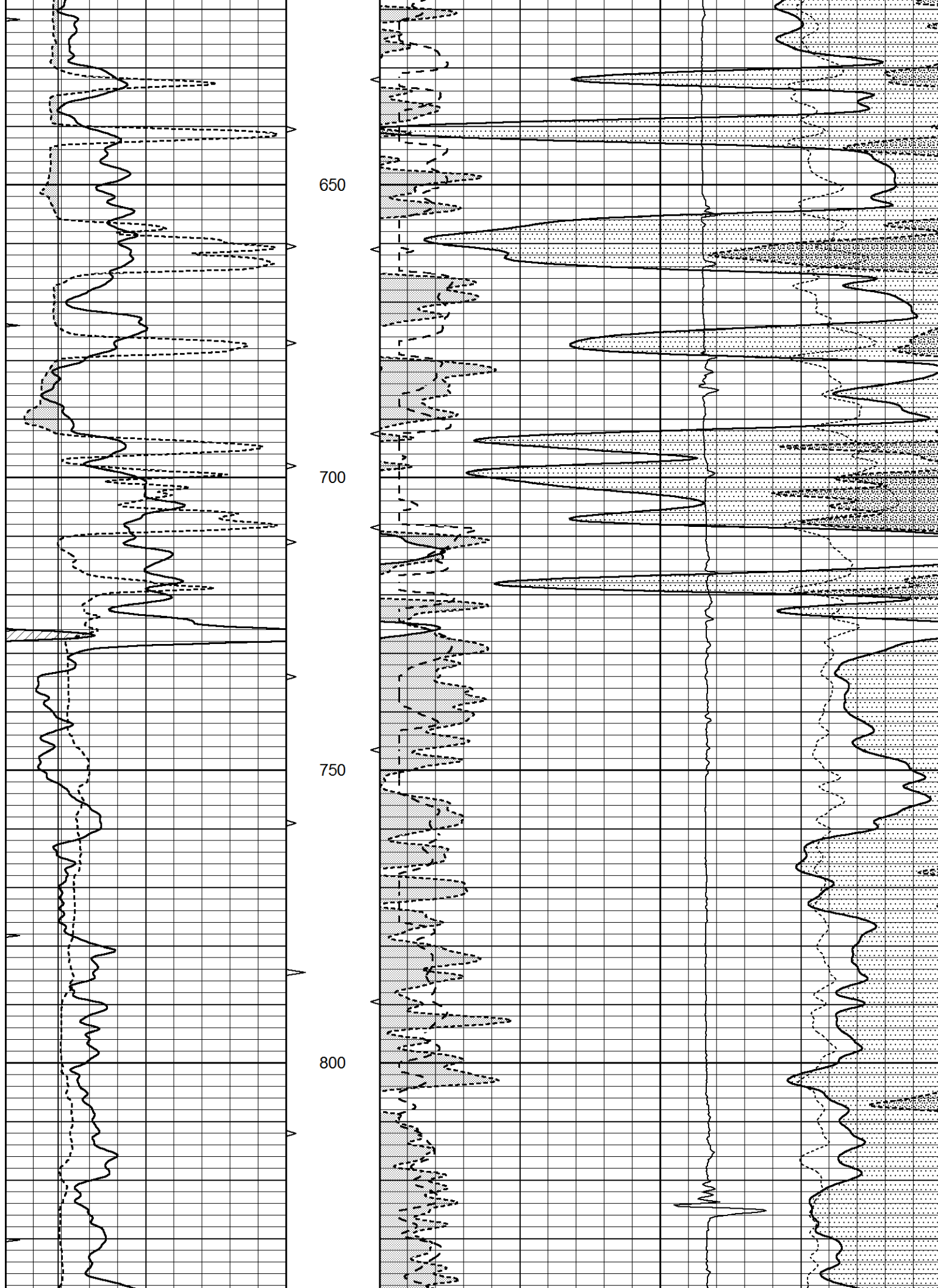
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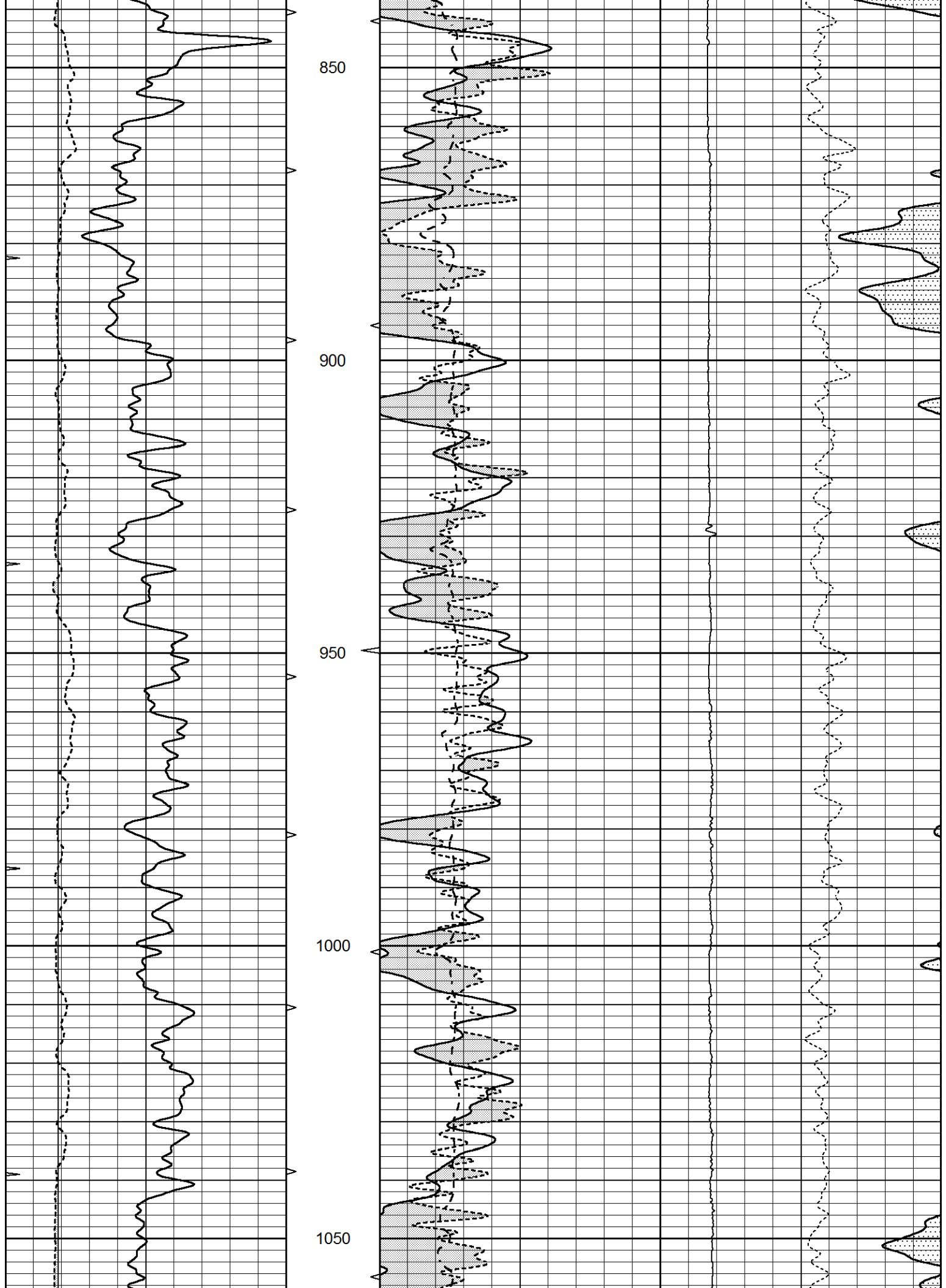
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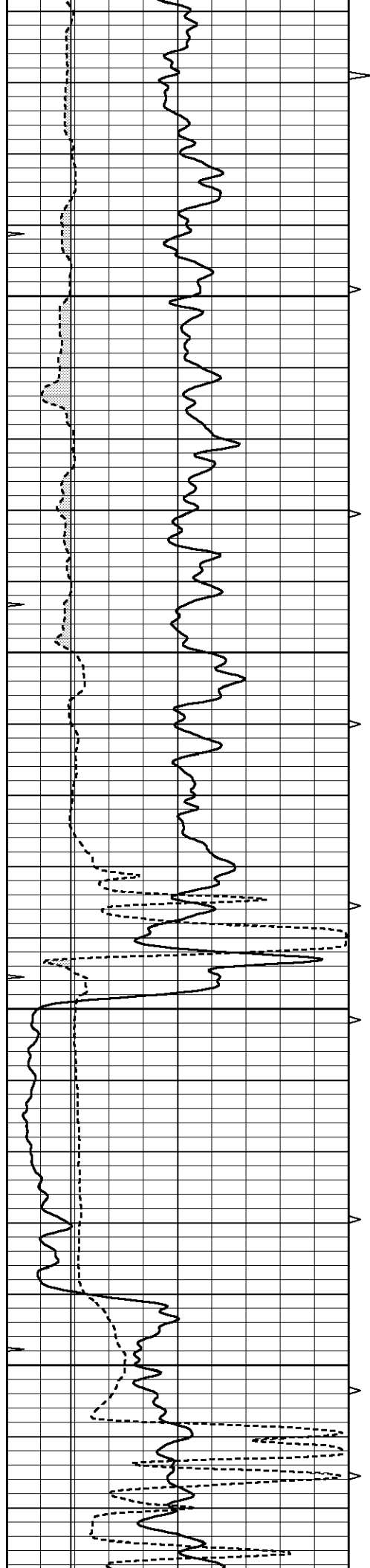
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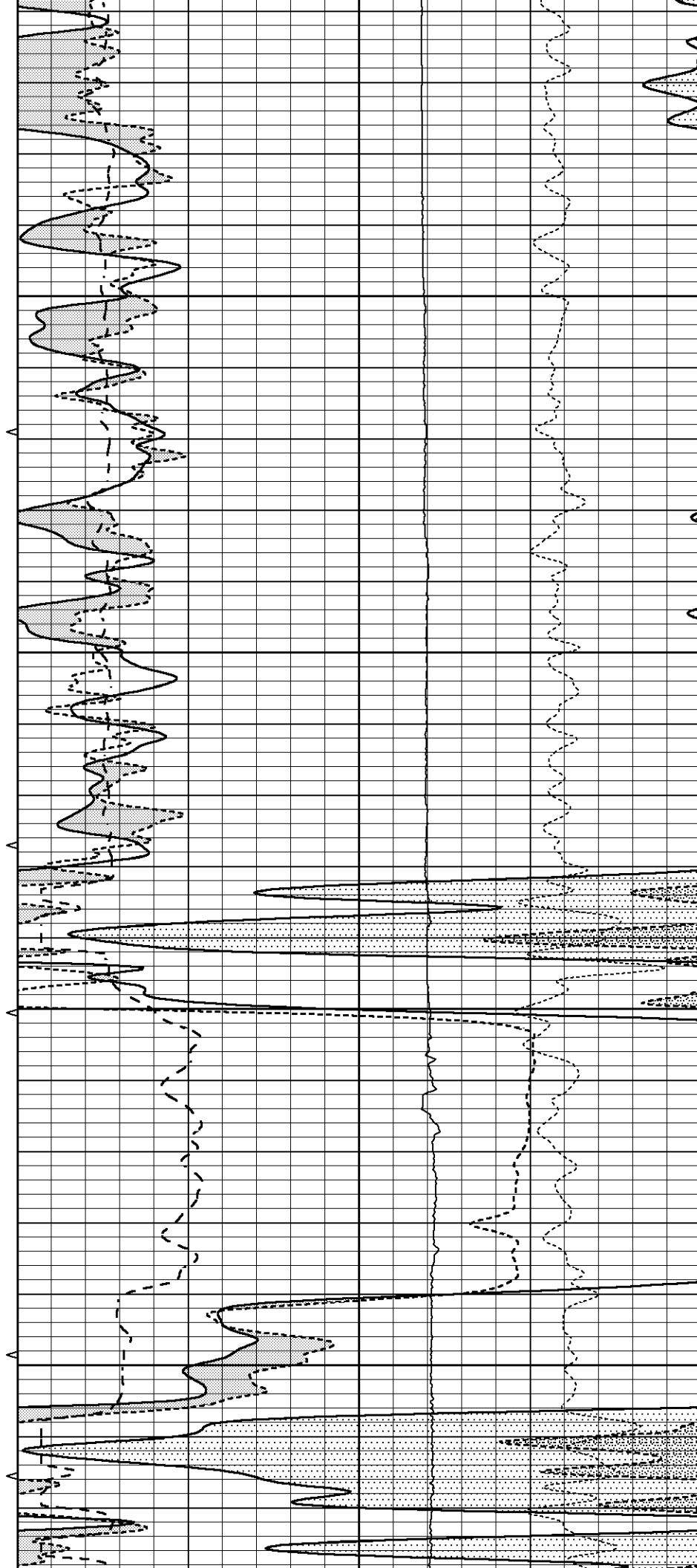


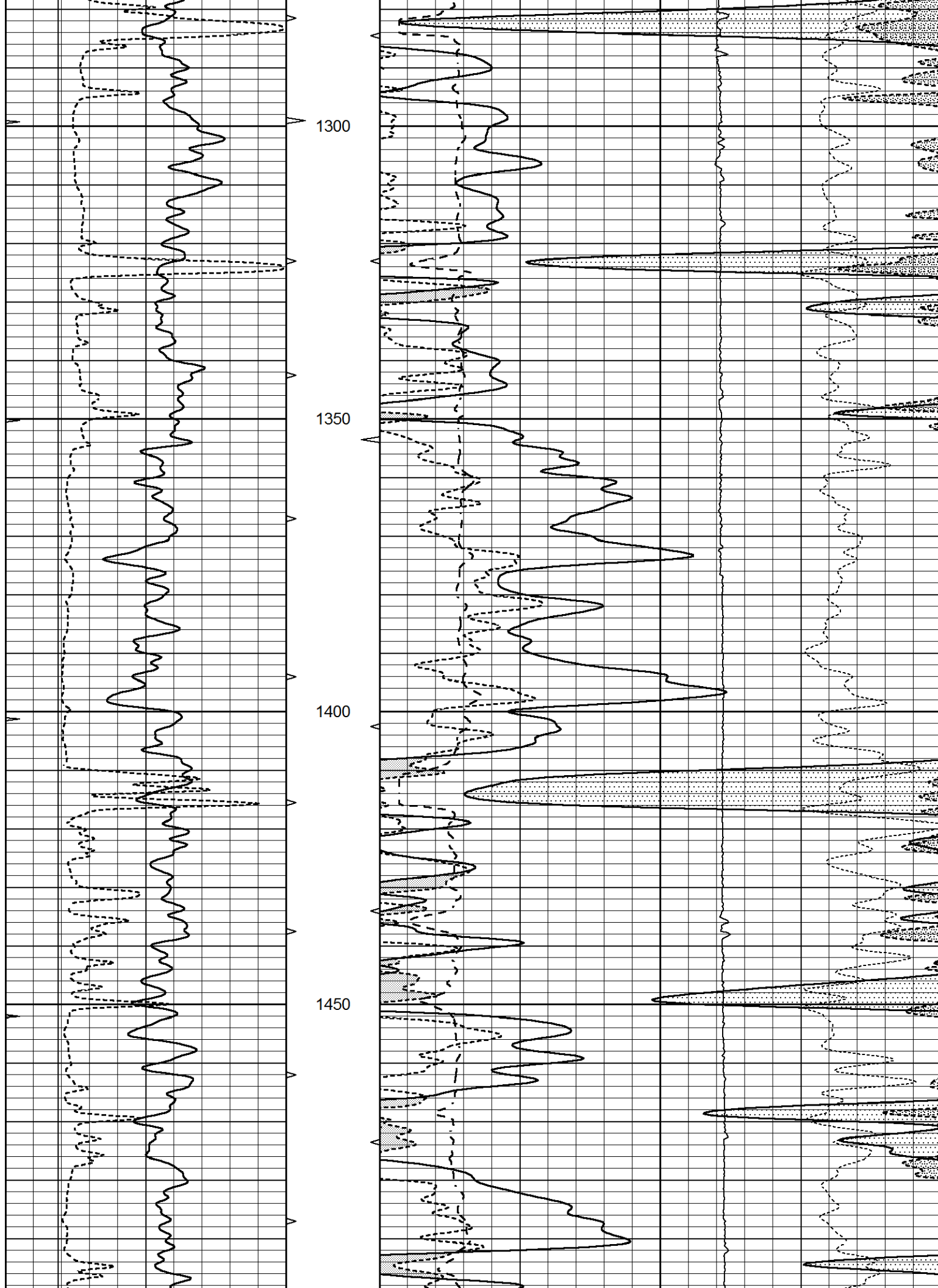
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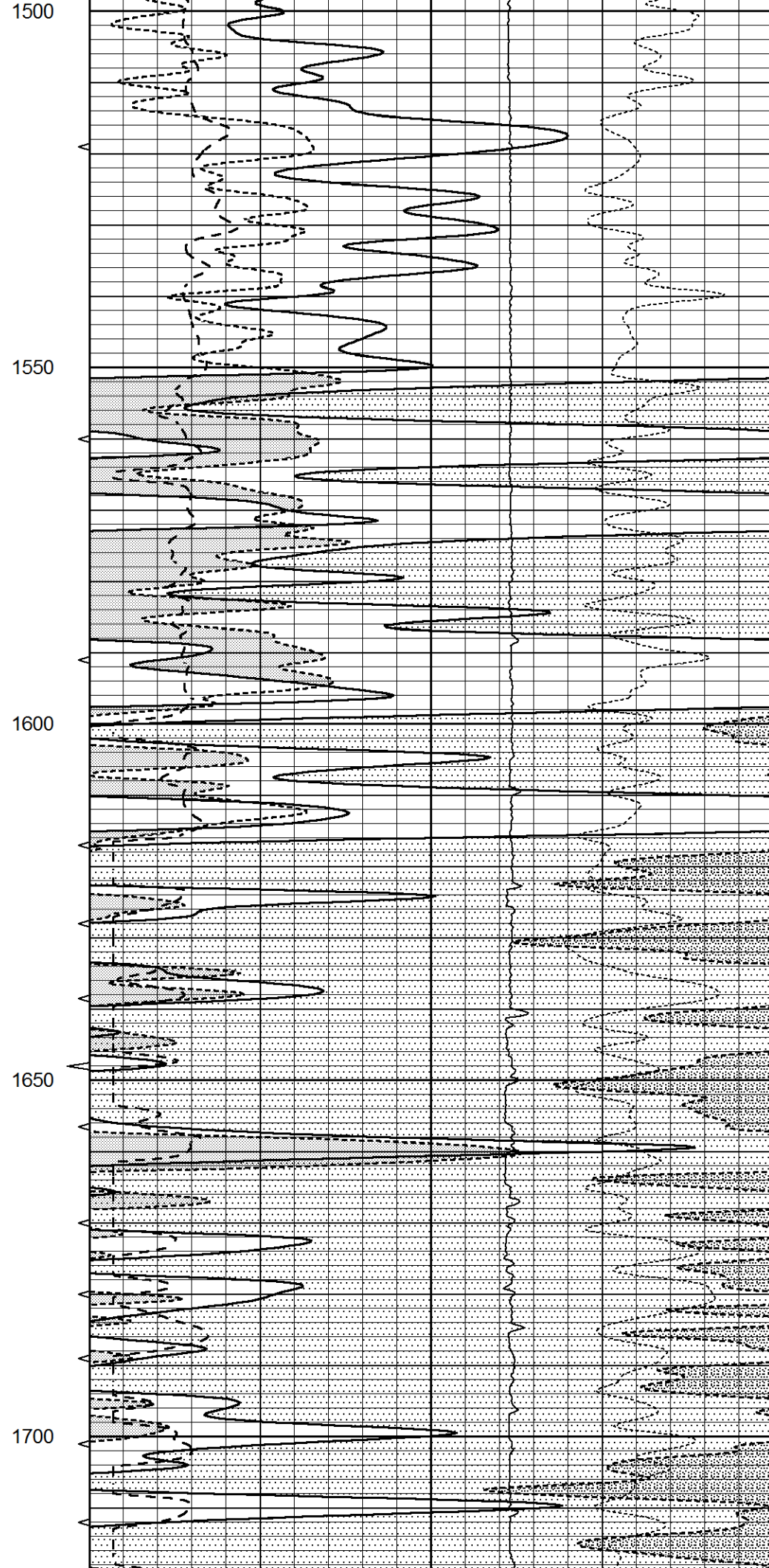
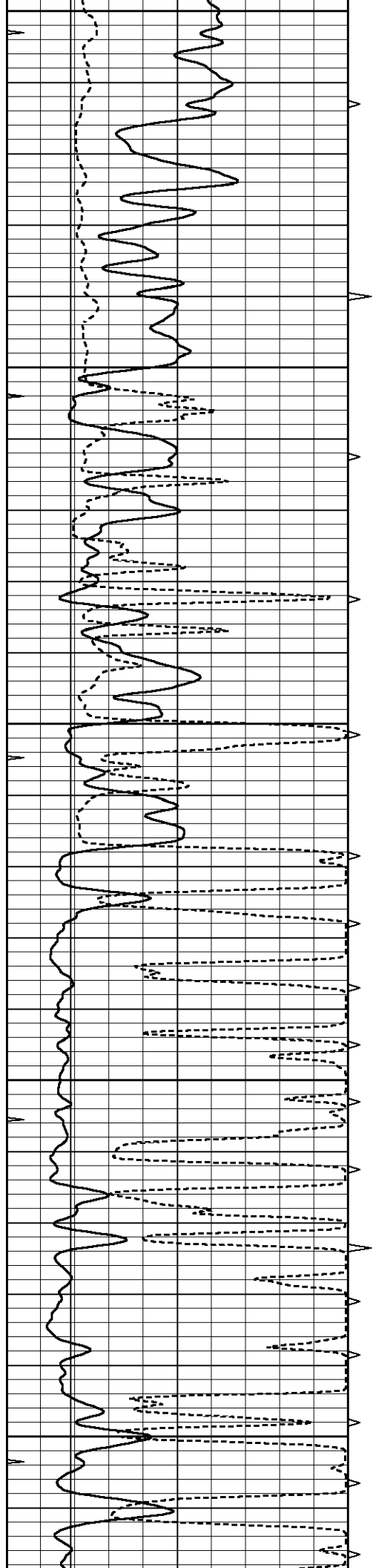
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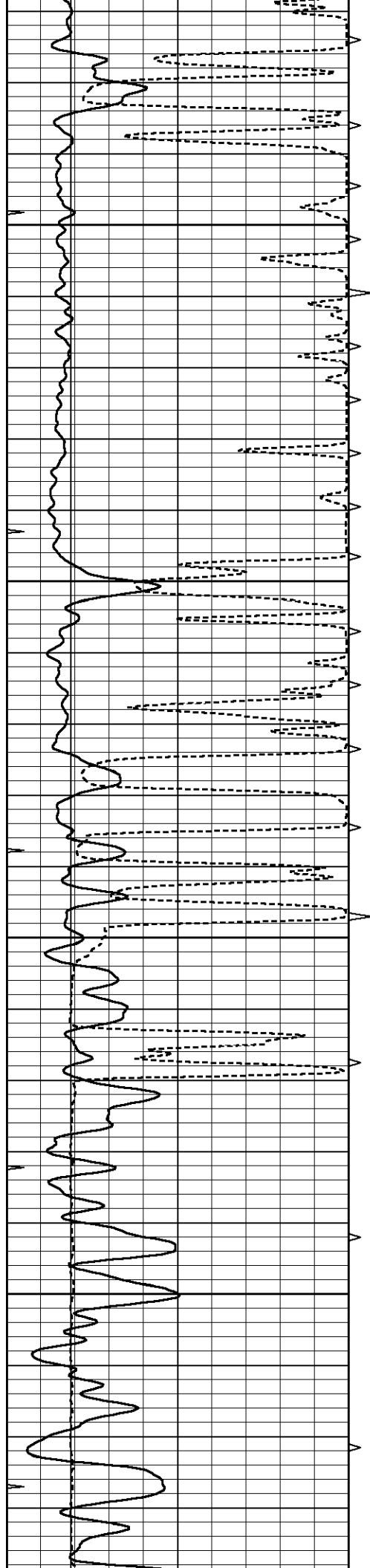
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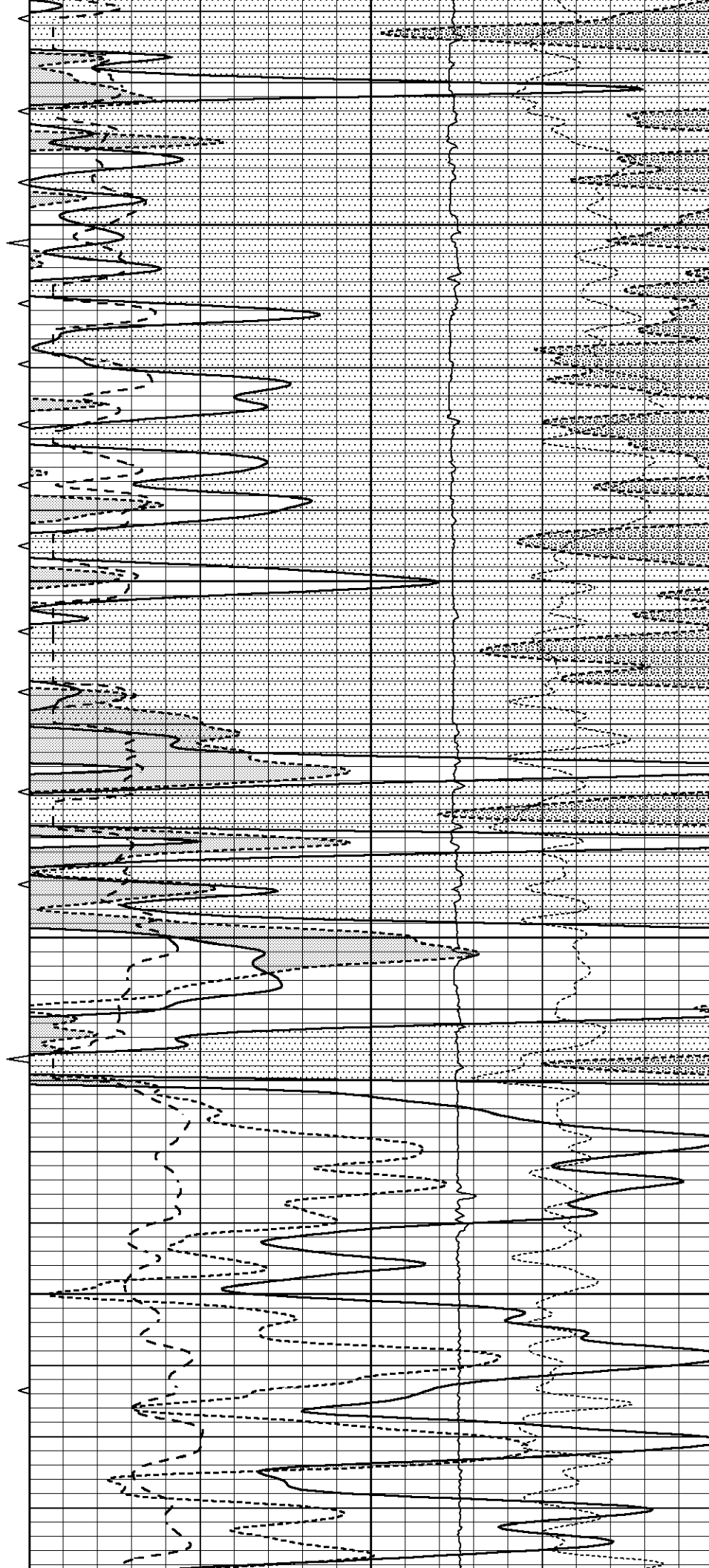


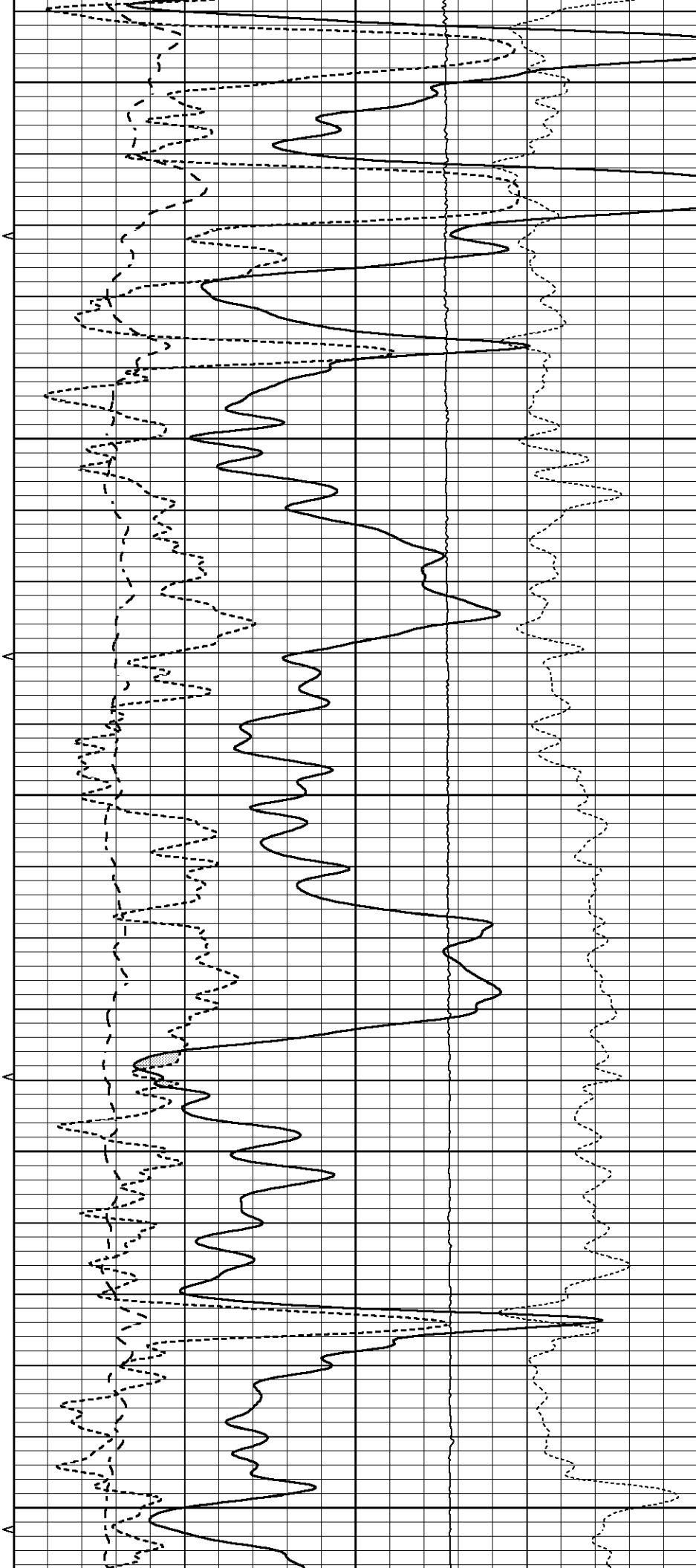
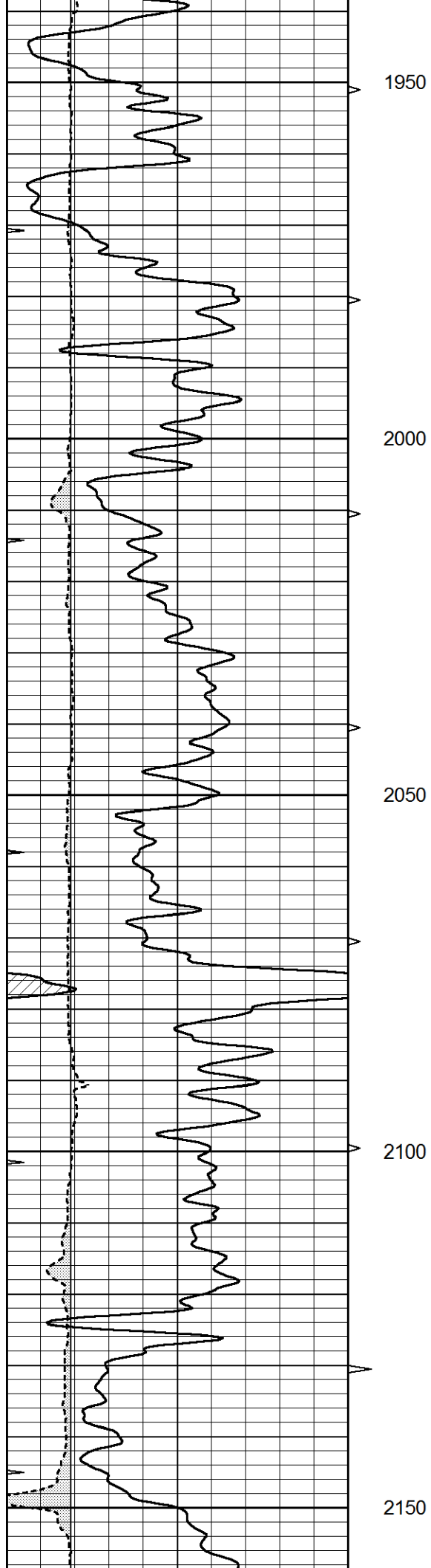
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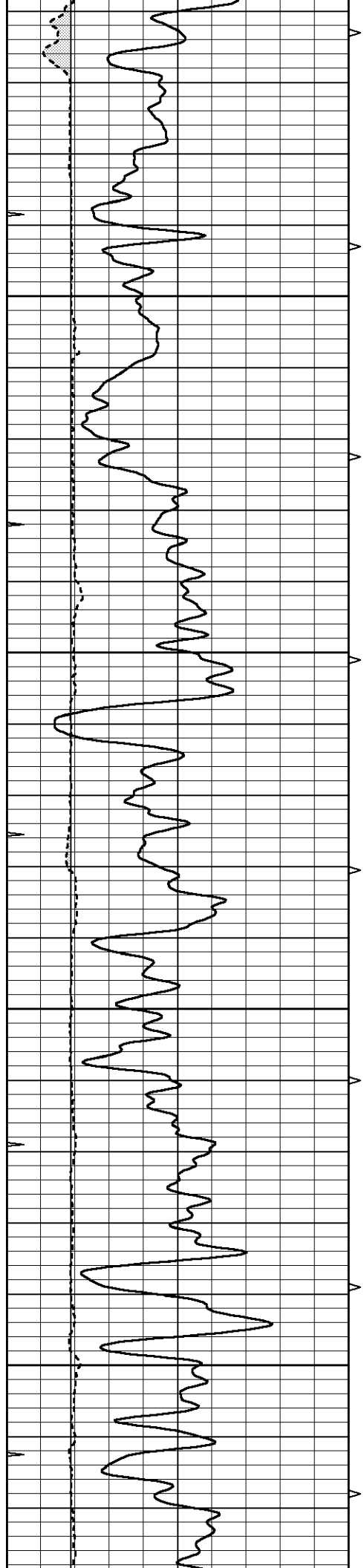
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1900





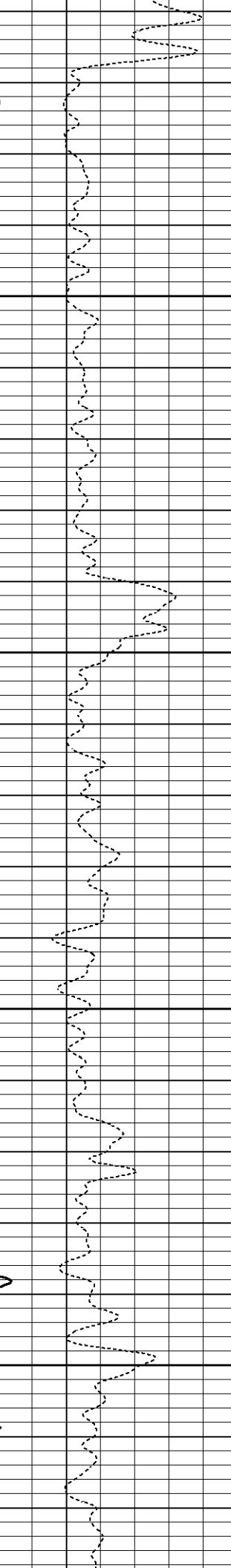
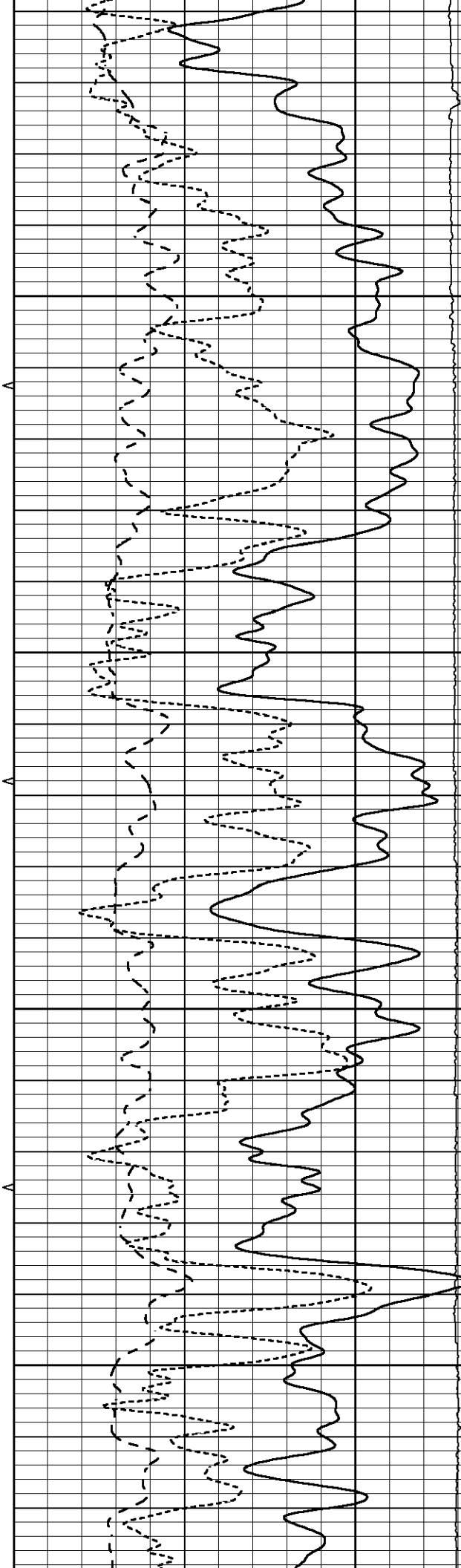


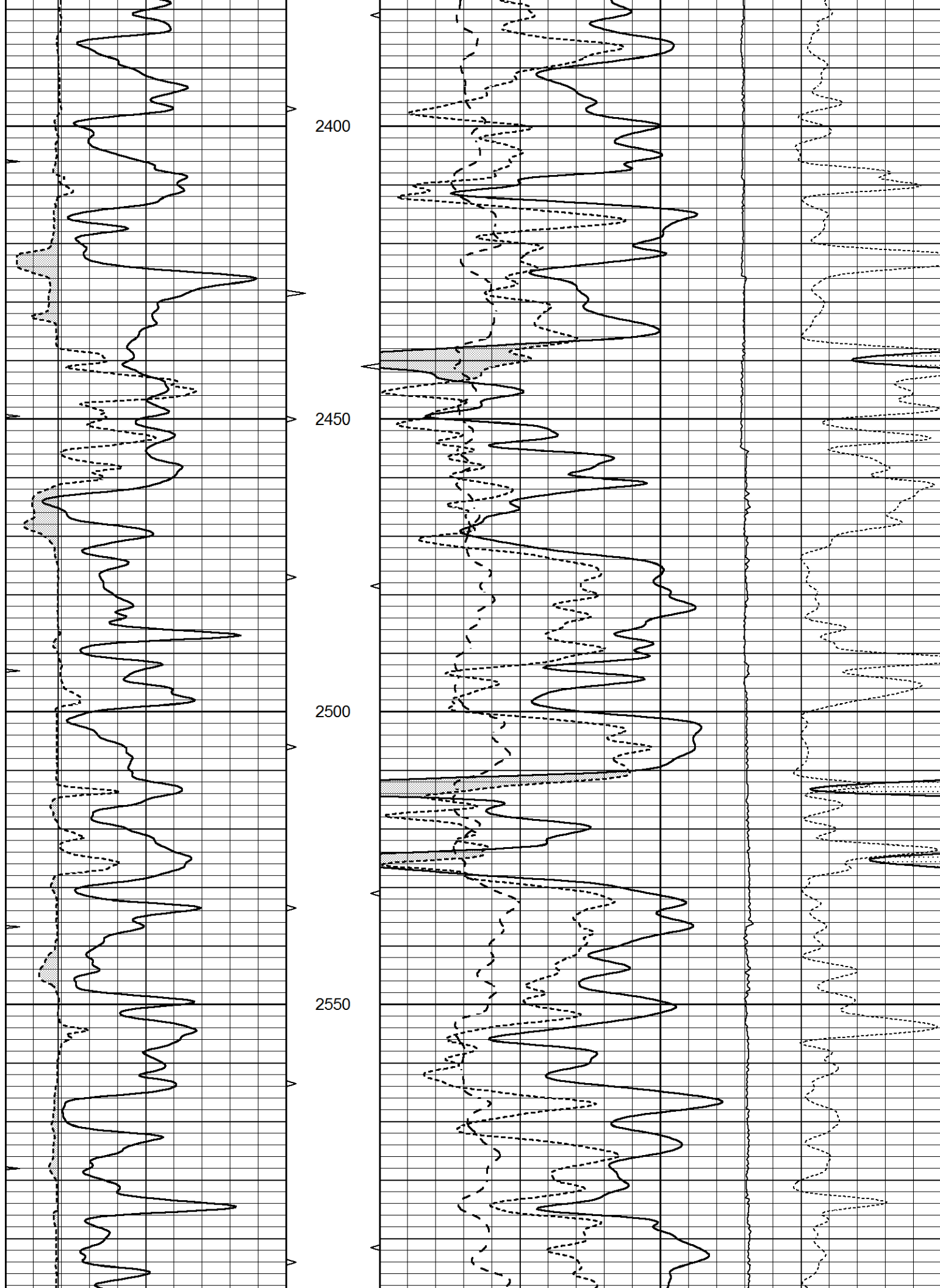
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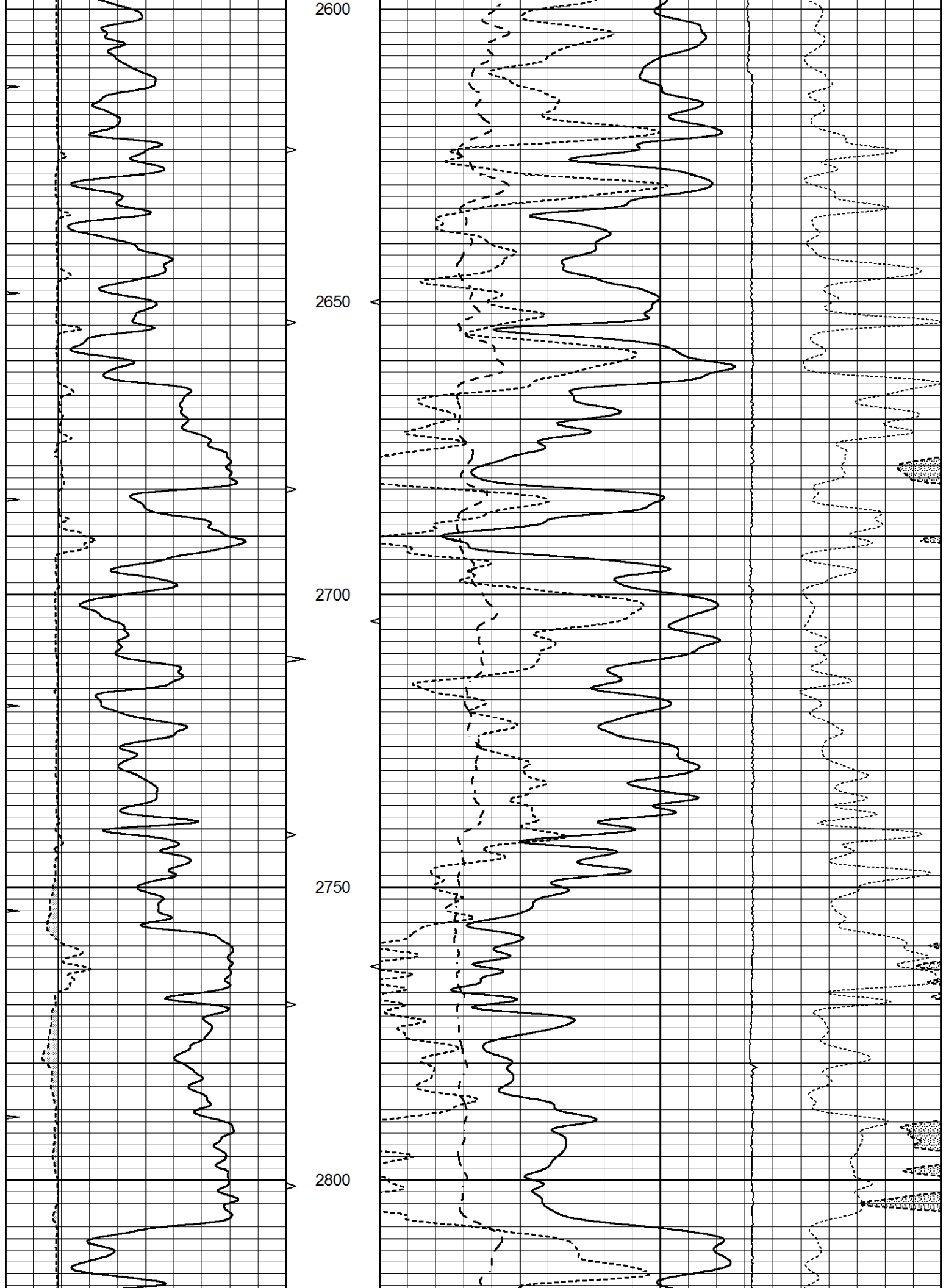
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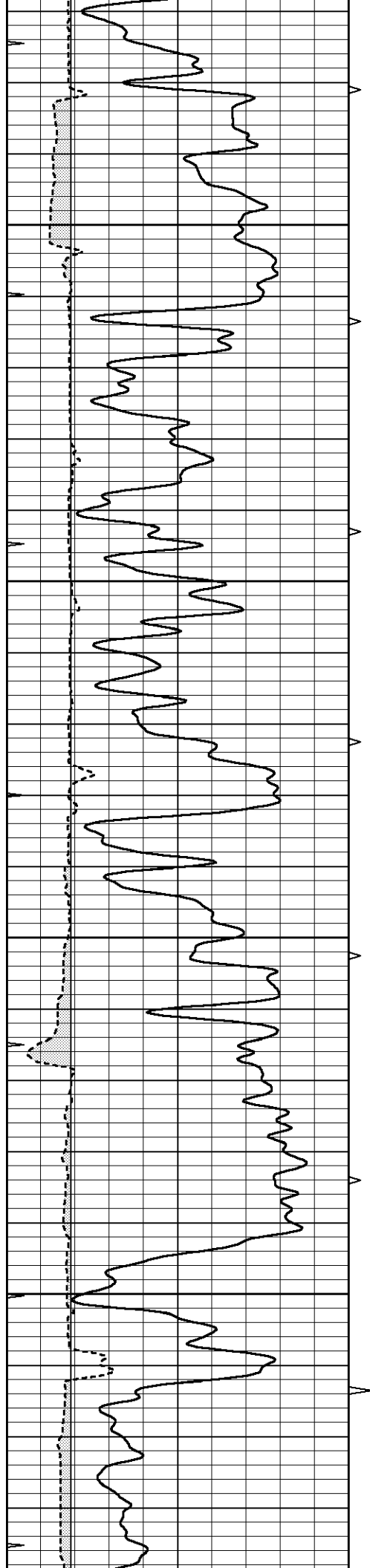
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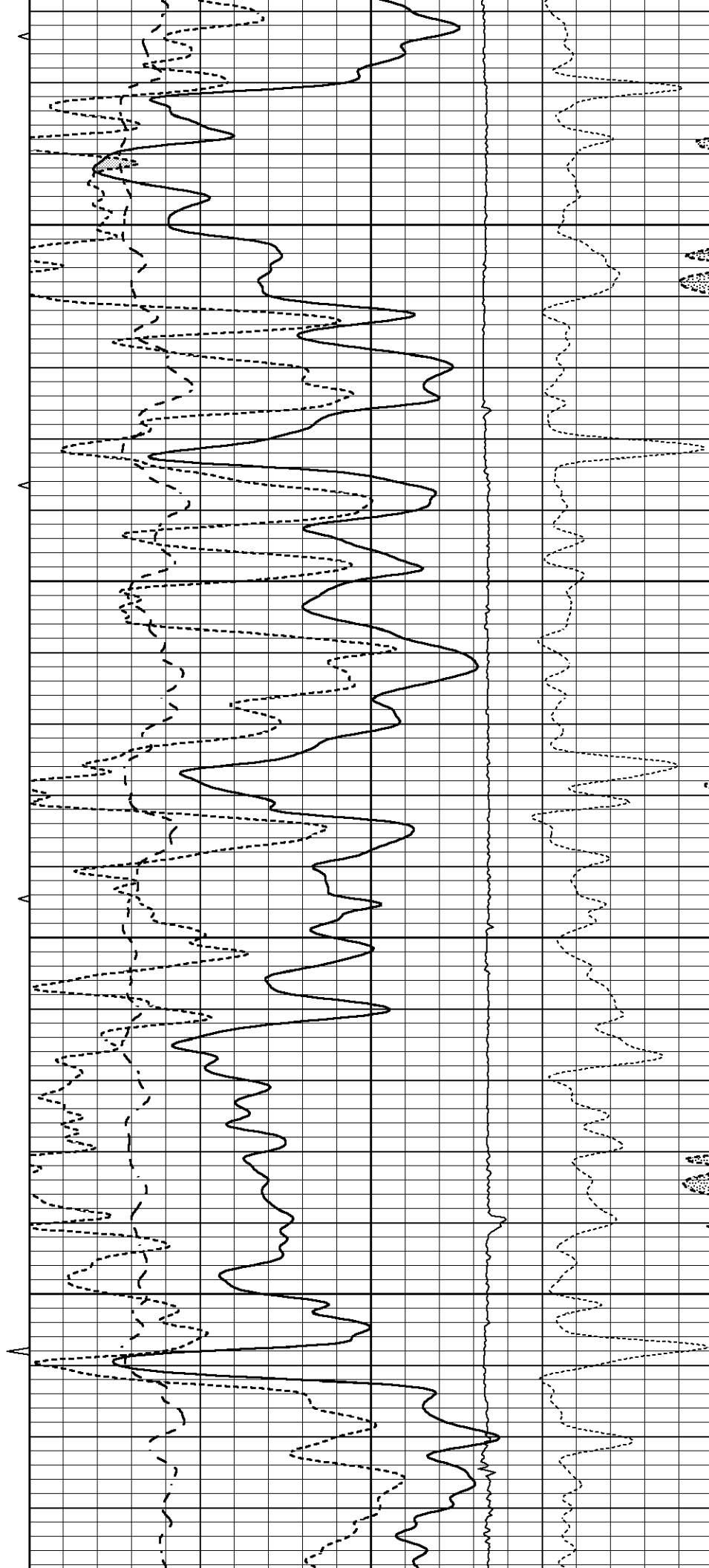


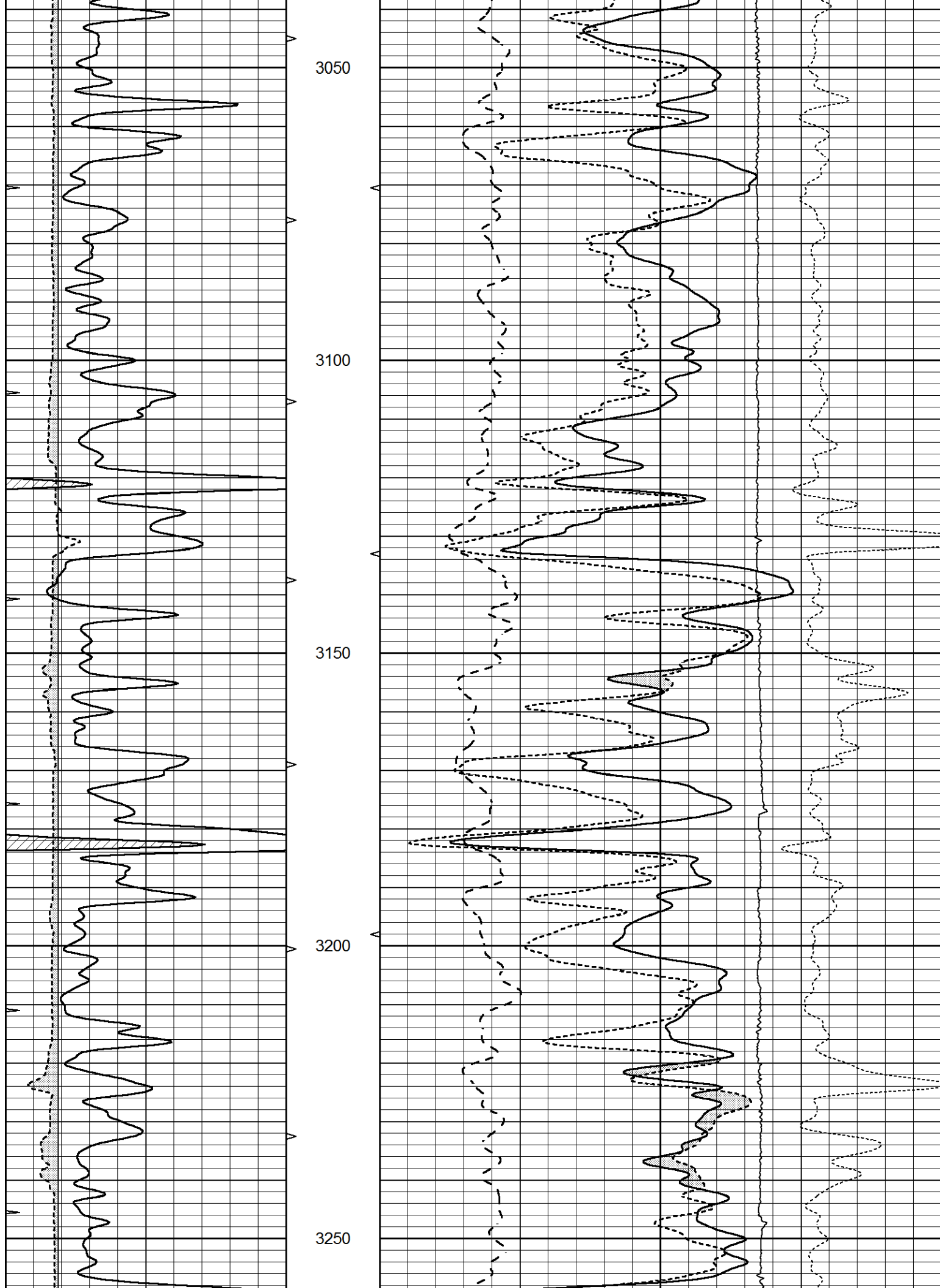
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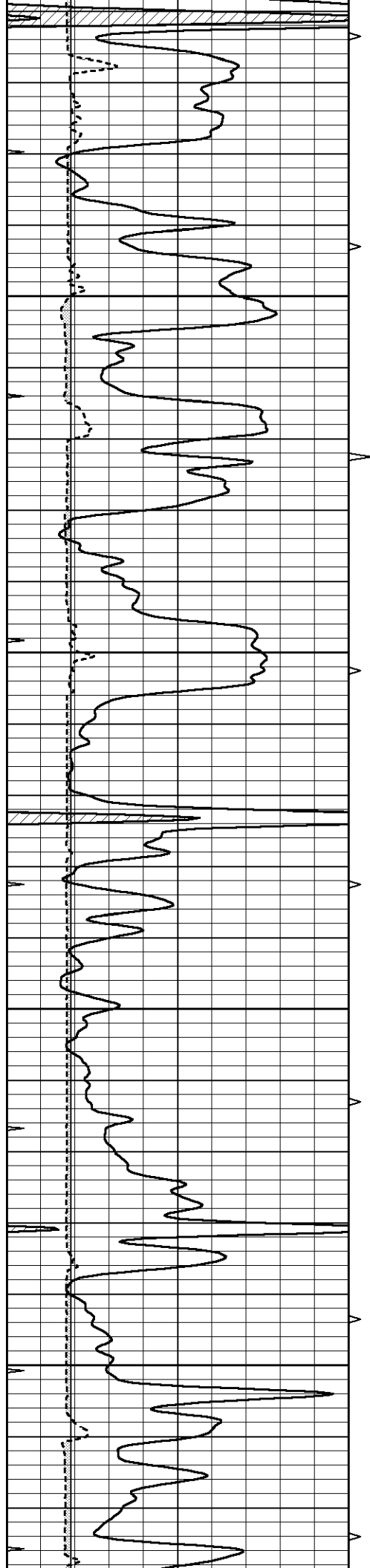
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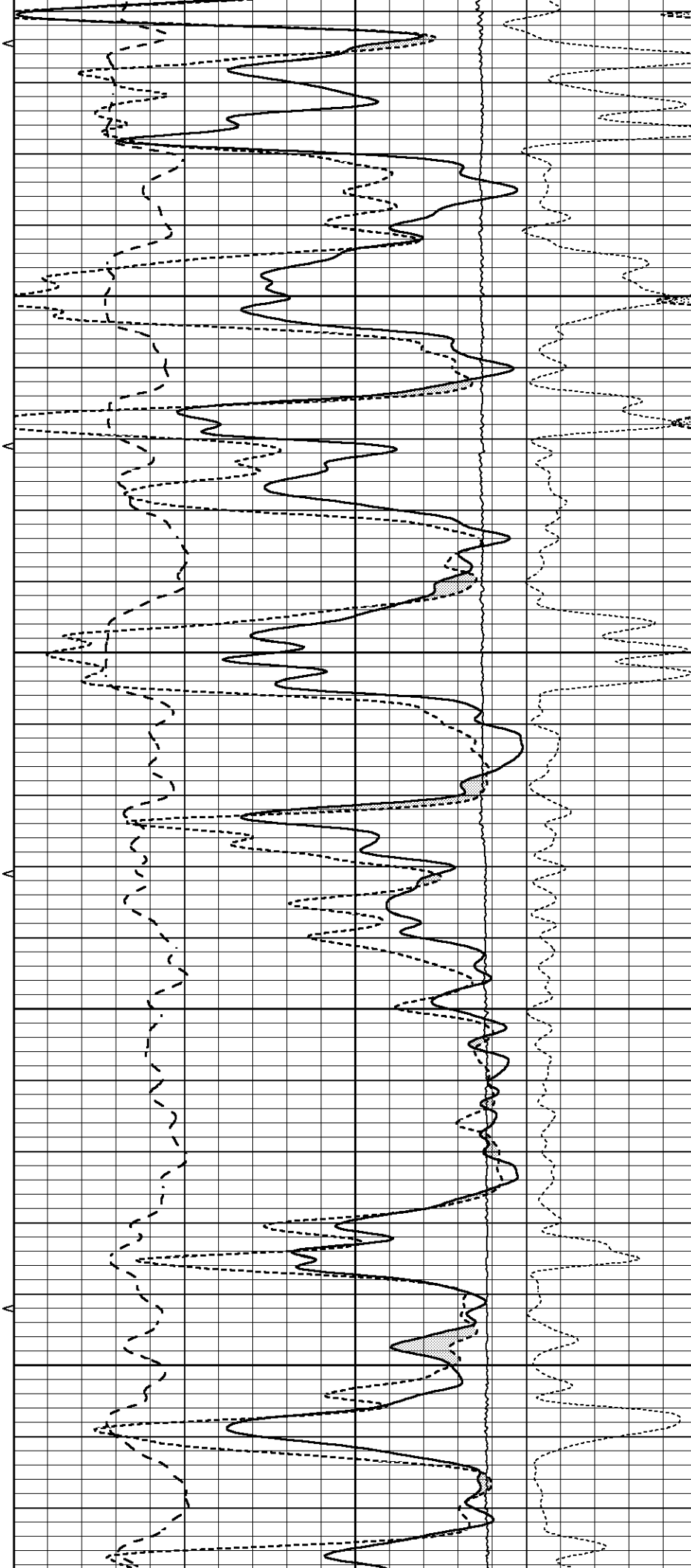


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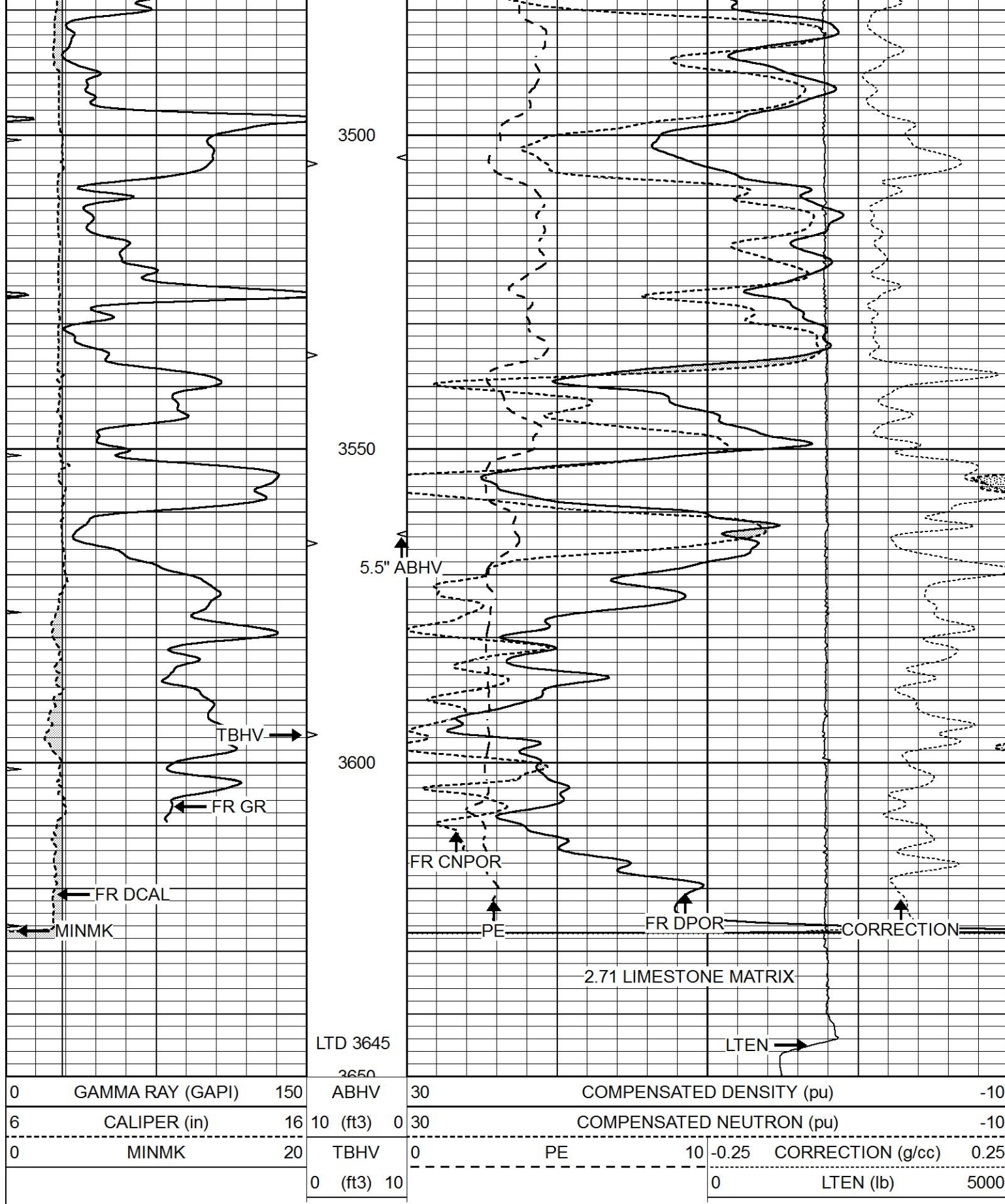
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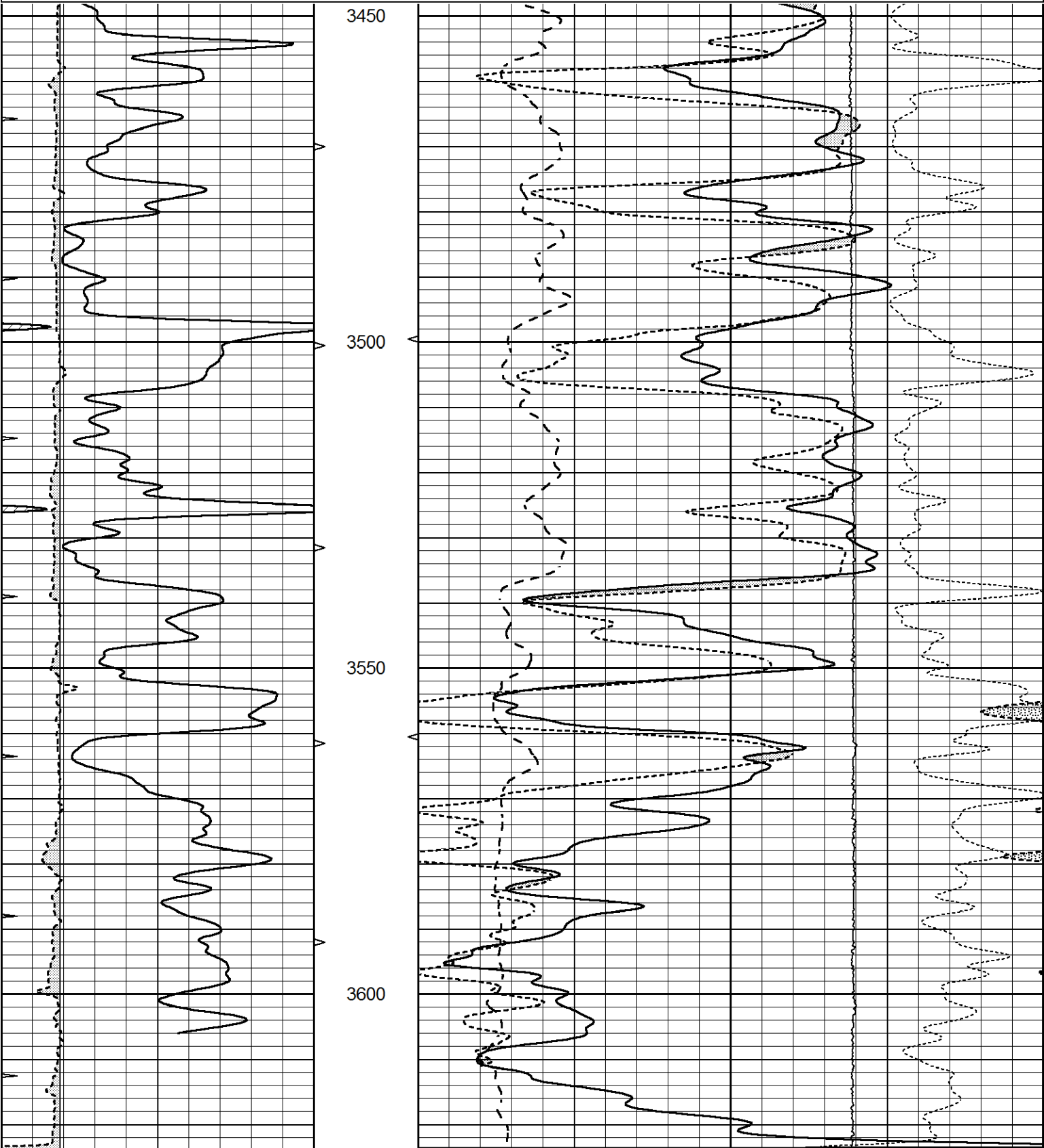
3500



REPEAT SECTION

Database File	6924pe.db
Dataset Pathname	pass2.1R
Presentation Format	ldt_neu
Dataset Creation	Sun Sep 11 17:01:25 2022
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)				-10	
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)				-10
0	MINMK	20	TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3)	10		0	LTEN (lb)		5000	



Master Calibration		Performed Tue Aug 02 11:29:35 2022			
	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	1154.2	10019.5	3137.9	2795.6	cps

Window 1	1054.4	8597.6	2733.4	2469.5	cps
Window 2	902.3	5241.4	1832.1	1719.3	cps
Window 3	251.9	261.1	255.8	252.9	cps
Window 4	0.0	7543.2	1679.0	1415.0	cps
Long Space	4.4	2049.3	1321.7	1116.8	cps
Short Space		1.7100	2.5900	0.0000	g/cc
Rho		2.0000	2.7500	5.7900	
Pe					
Rib Angle	: 43.7	Rib Slope	: 0.957	Density/Spine Ratio	: 0.562
Spine Angle	: 73.7	Spine Slope	: 3.426	Spine Intercept	: -17.2

Before Survey Verification			Performed Wed Dec 31 18:00:00 1969		
Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

After Survey Verification			Performed Wed Dec 31 18:00:00 1969		
Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

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Compensated Neutron Calibration Report

Serial Number:	070808PMC
Tool Model:	NABORS

PRE-SURVEY VERIFICATION			
Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

POST-SURVEY VERIFICATION			
Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number:	070558
Tool Model:	OPEN_GR
Performed:	Mon Sep 05 14:32:31 2022

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3000	GAPI/cps