DUAL INDUCTION LOG

Company RAYMOND OIL COMPANY, INC.
Well GERSTBERGER #22-2
Field UNNAMED
County WICHITA State KANSAS
Location: API # : 15-203-20386-0000
321 FNL & 2164 FWL
NW - NE - NE - NW
SEC 22 TWP 20S RGE 36W

Other Services
CDL/CNL
MEL

Permanent Datum GROUND LEVEL Elevation 3239
Log Measured From KELLY BUSHING 5' A.G.L
Drilling Measured From KELLY BUSHING

Elevation
K.B. 3244
D.F. 3242
G.L. 3239

Company	RAYMOND OIL COMPANY, INC.			
Well	GERSTBERGER #22-2			
Field	UNNAMED			
County	WICHITA			
State	KANSAS			
Date	11/21/23			
Run Number	ONE			
Depth Driller	5050			
Depth Logger	5050			
Bottom Logged Interval	5048			
Top Log Interval	00			
Casing Driller	8.625 @ 263			
Casing Logger	263			
Bit Size	7.875			
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 7,600 PPM		
Density / Viscosity	9.5/55			
pH / Fluid Loss	10.0/12.0			
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	.950 @ 55F			
Rmf @ Meas. Temp	.713 @ 55F			
Rmc @ Meas. Temp	1.14 @ 55F			
Source of Rmf / Rmc	MEASUREMENT			
Rm @ BHT	.418 @ 125F			
Time Circulation Stopped	2 HOURS			
Time Logger on Bottom	3:00 A.M.			
Maximum Recorded Temperature	125F			
Equipment Number	3802			
Location	HAYS, KANSAS			
Recorded By	COLE ROBBEN			
Witnessed By	KIM SHOEMAKER			

<<< Fold Here >>>

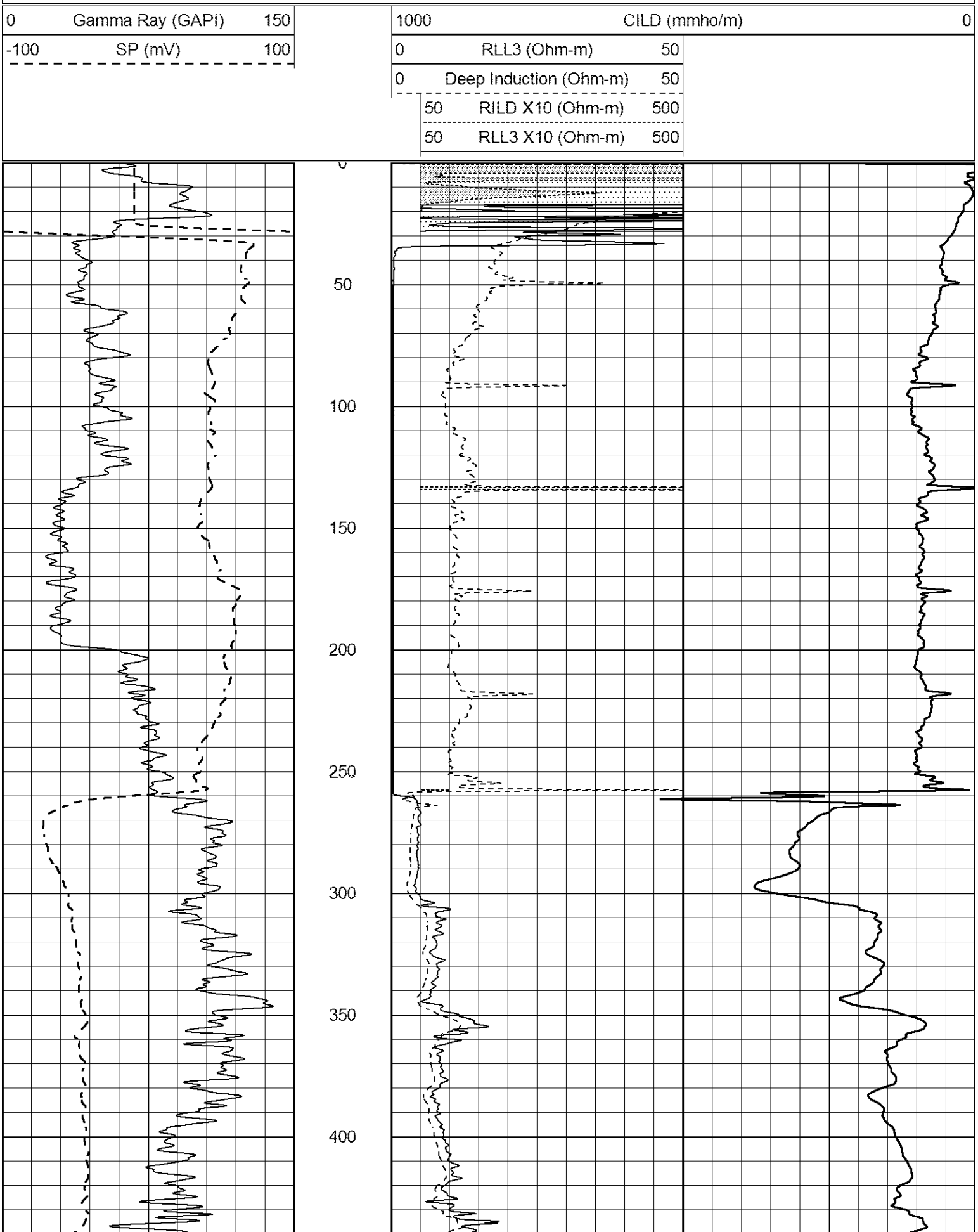
Comments

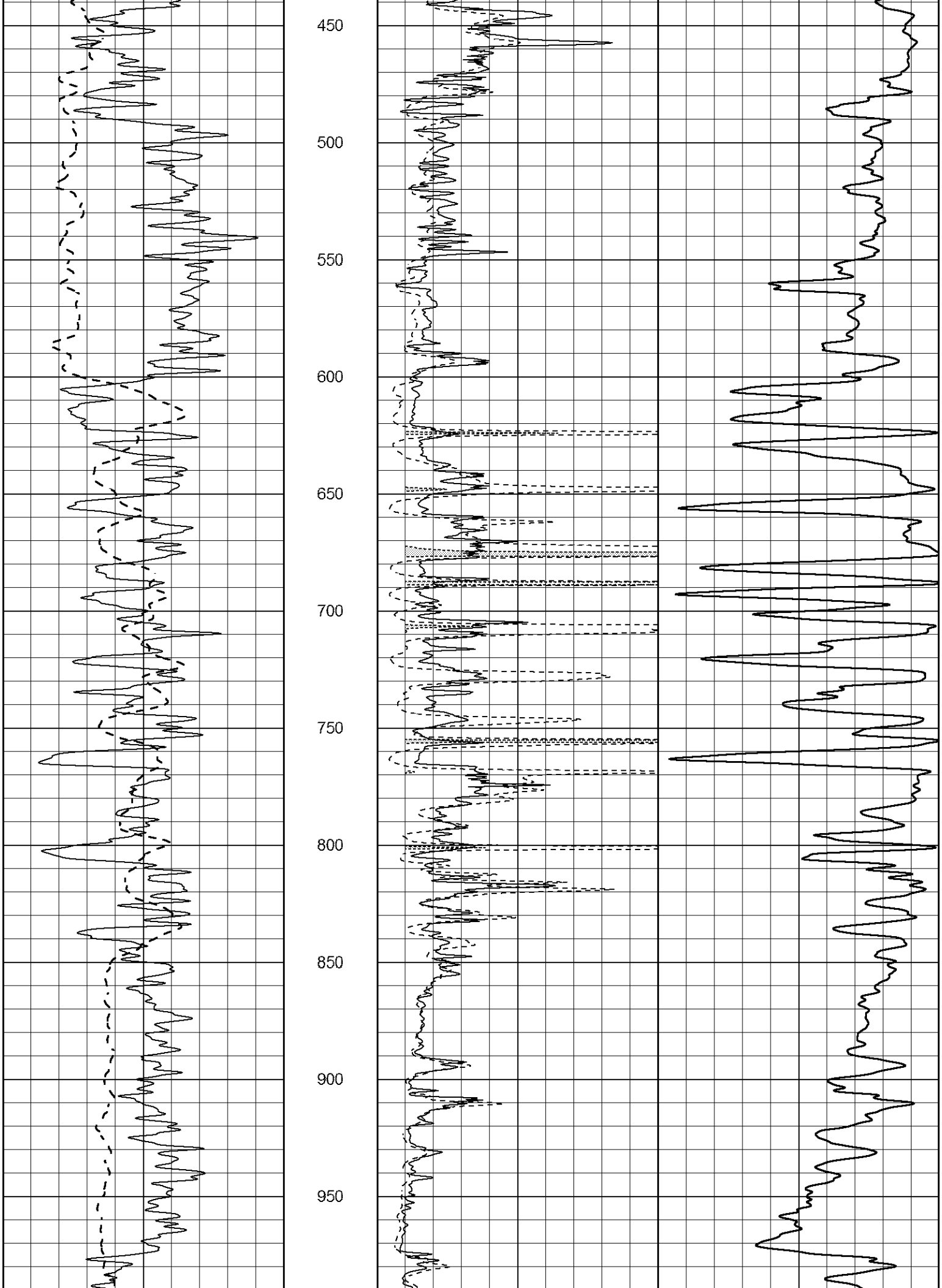
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395

DIRECTIONS:
FROM LEOTI, KANSAS GO 18 MILES SOUTH THEN EAST ON HIGHWAY 25, NORTH ON 17 ROAD FOR 2 MILES, NORTHWEST INTO

MAIN SECTION

Database File	7796ddn.db
Dataset Pathname	pass3M
Presentation Format	_dil2
Dataset Creation	Tue Nov 21 04:56:57 2023
Charted by	Depth in Feet scaled 1:600

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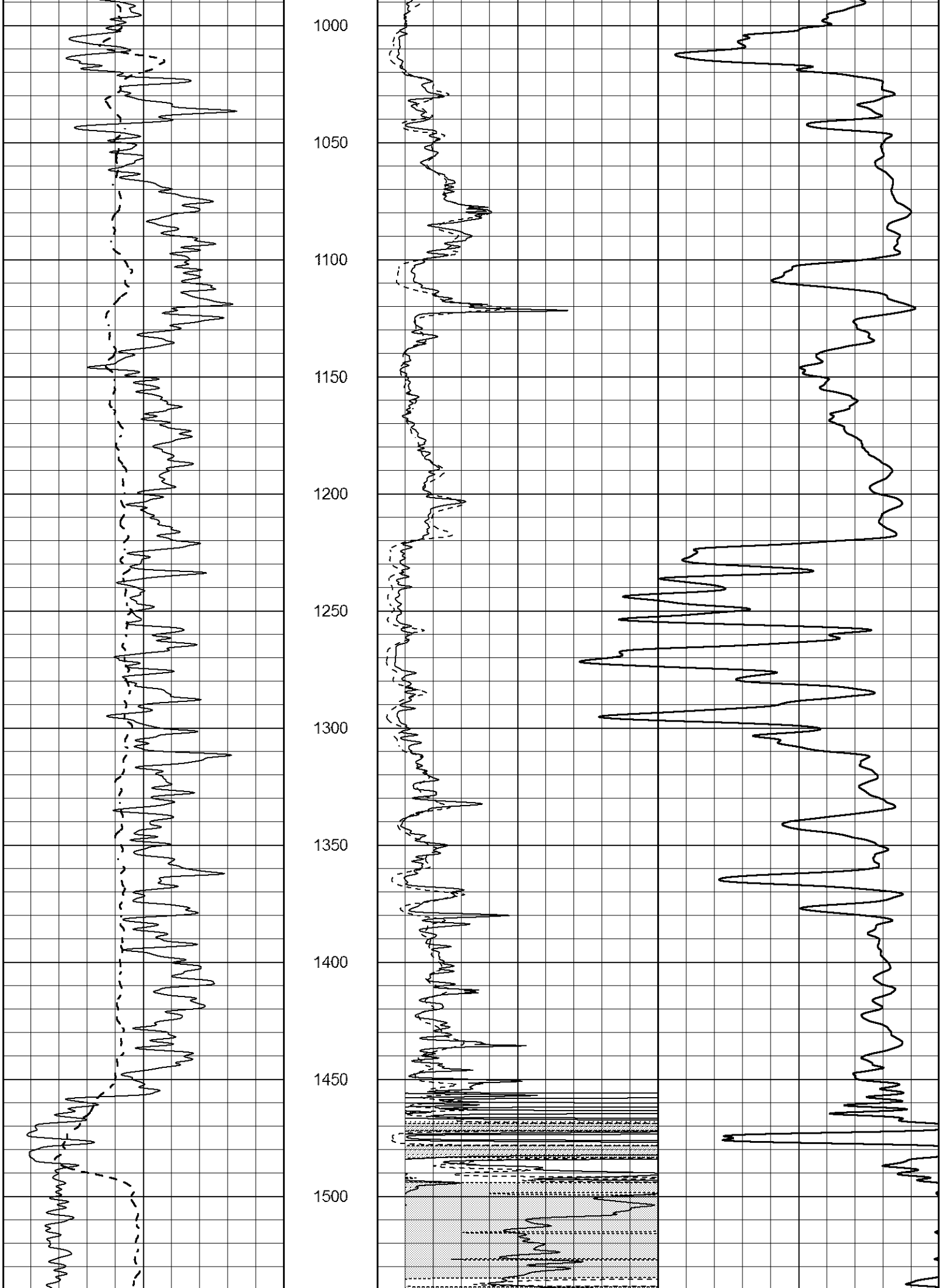
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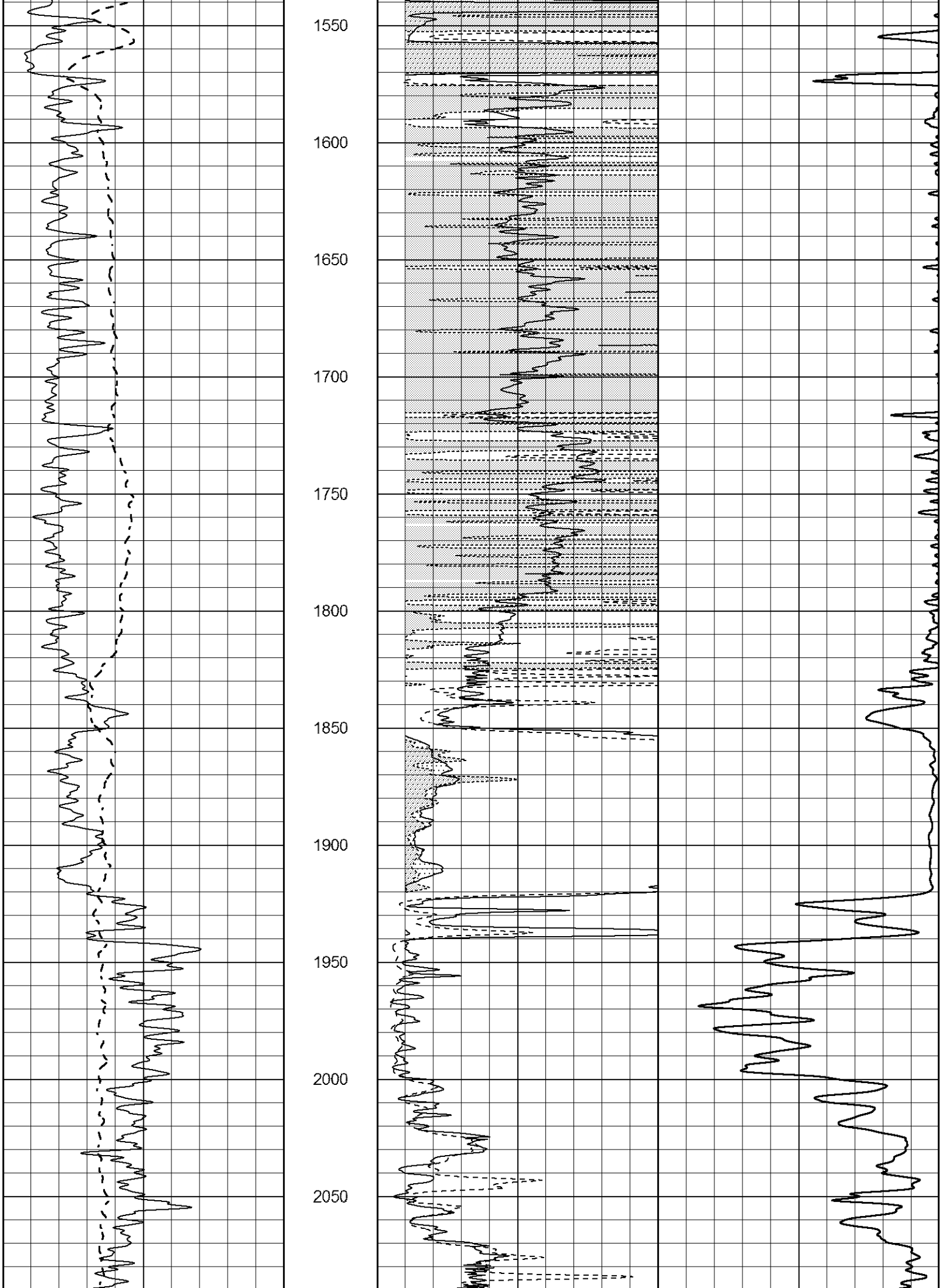
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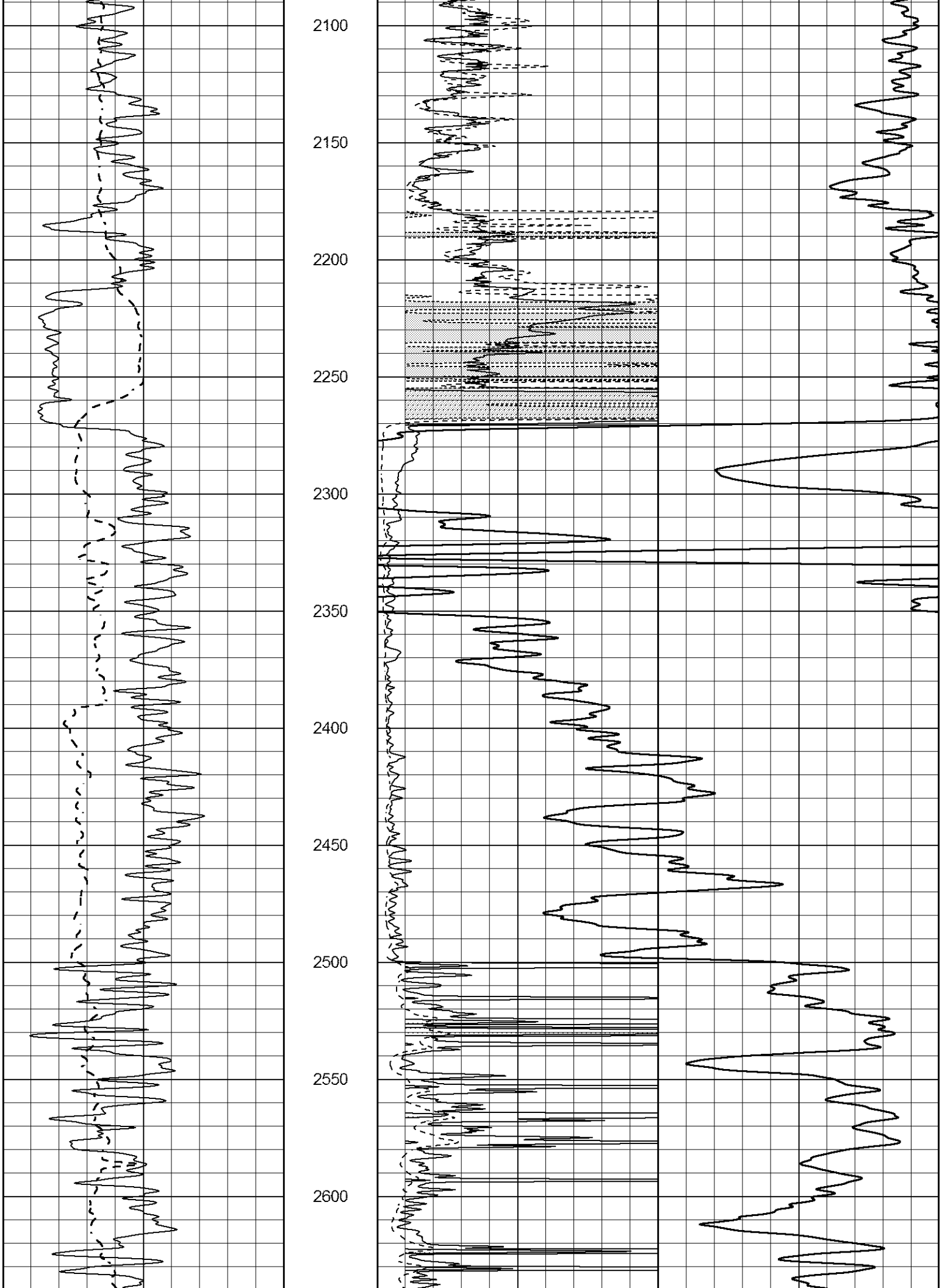
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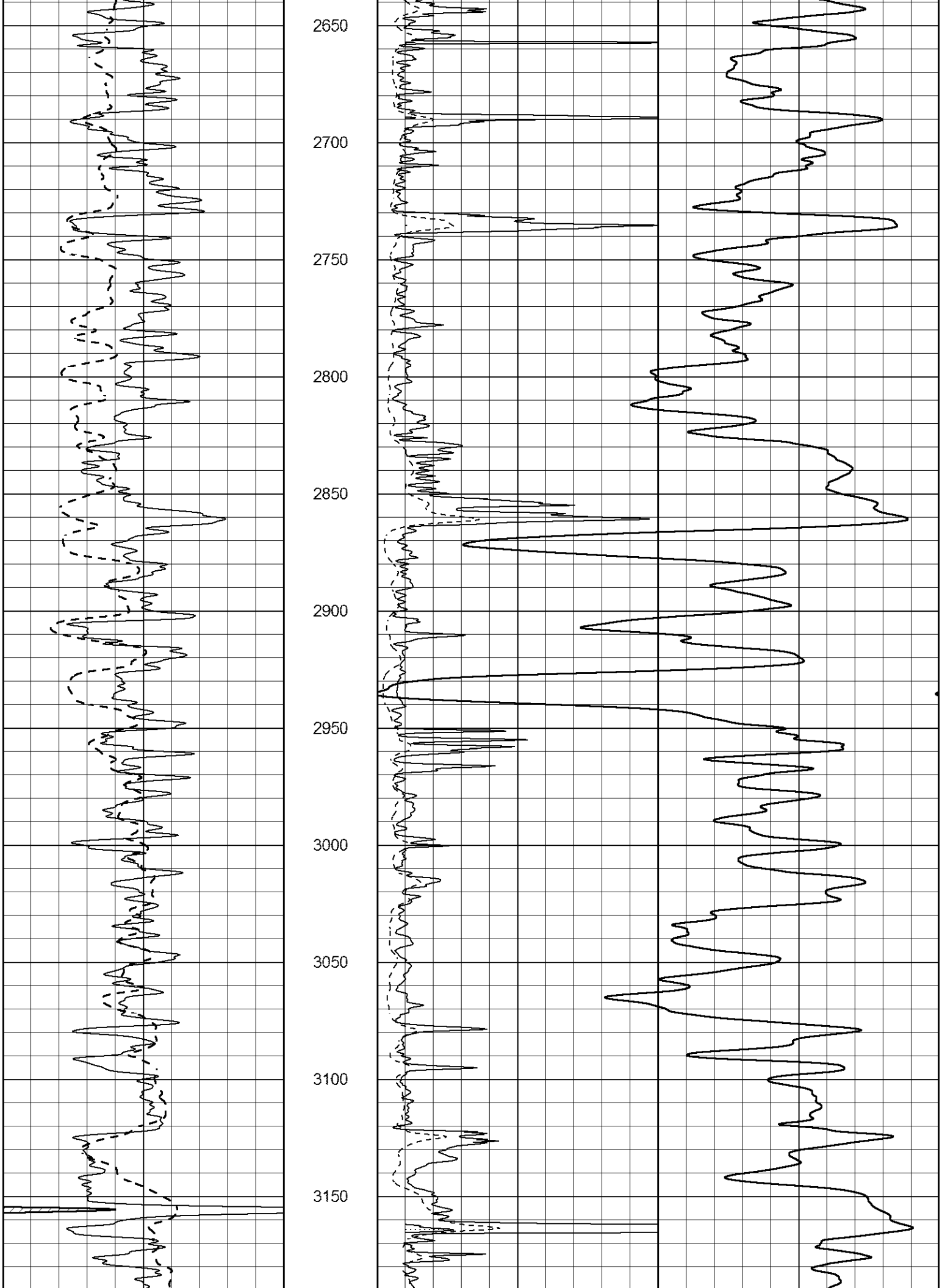
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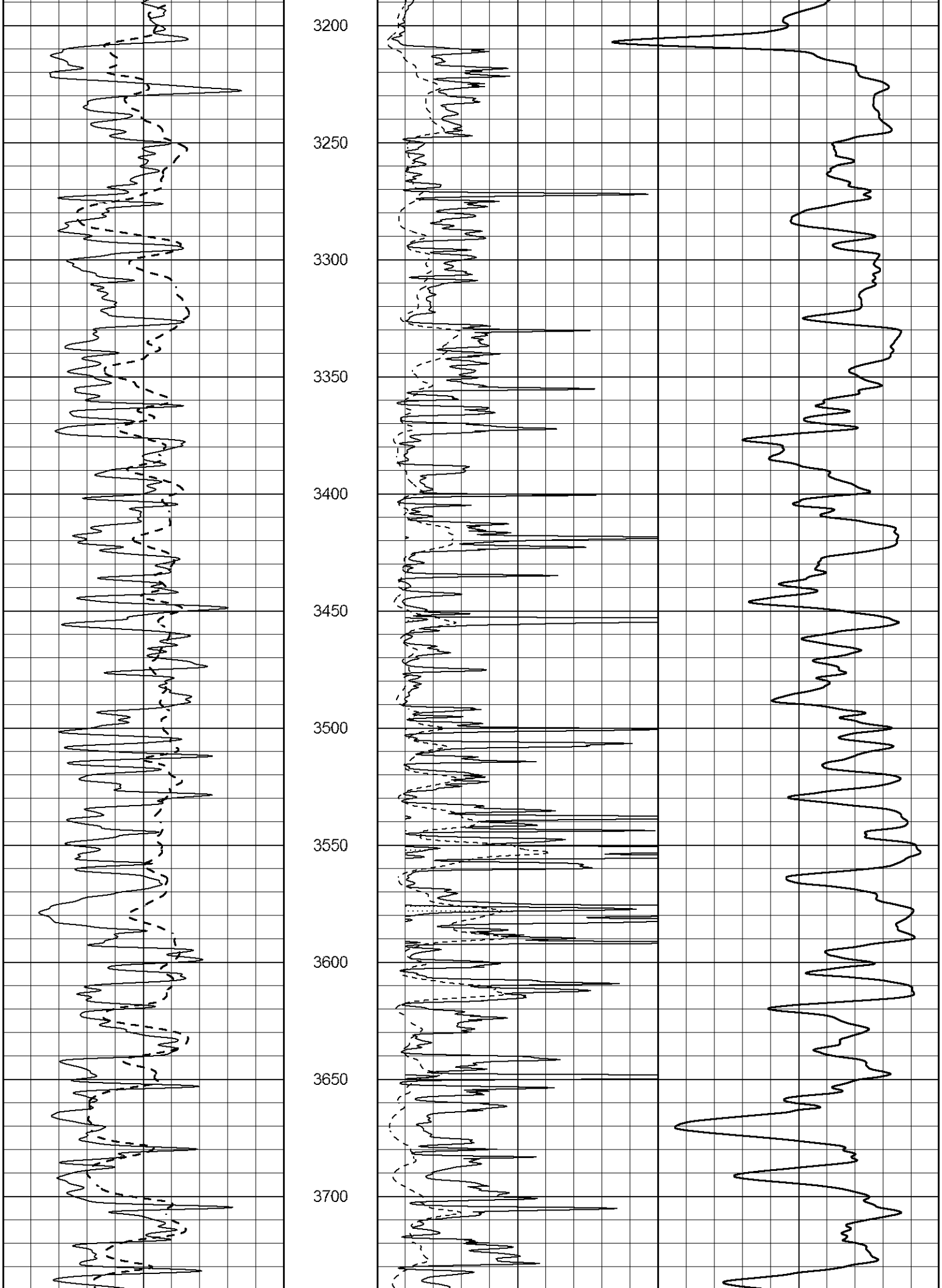
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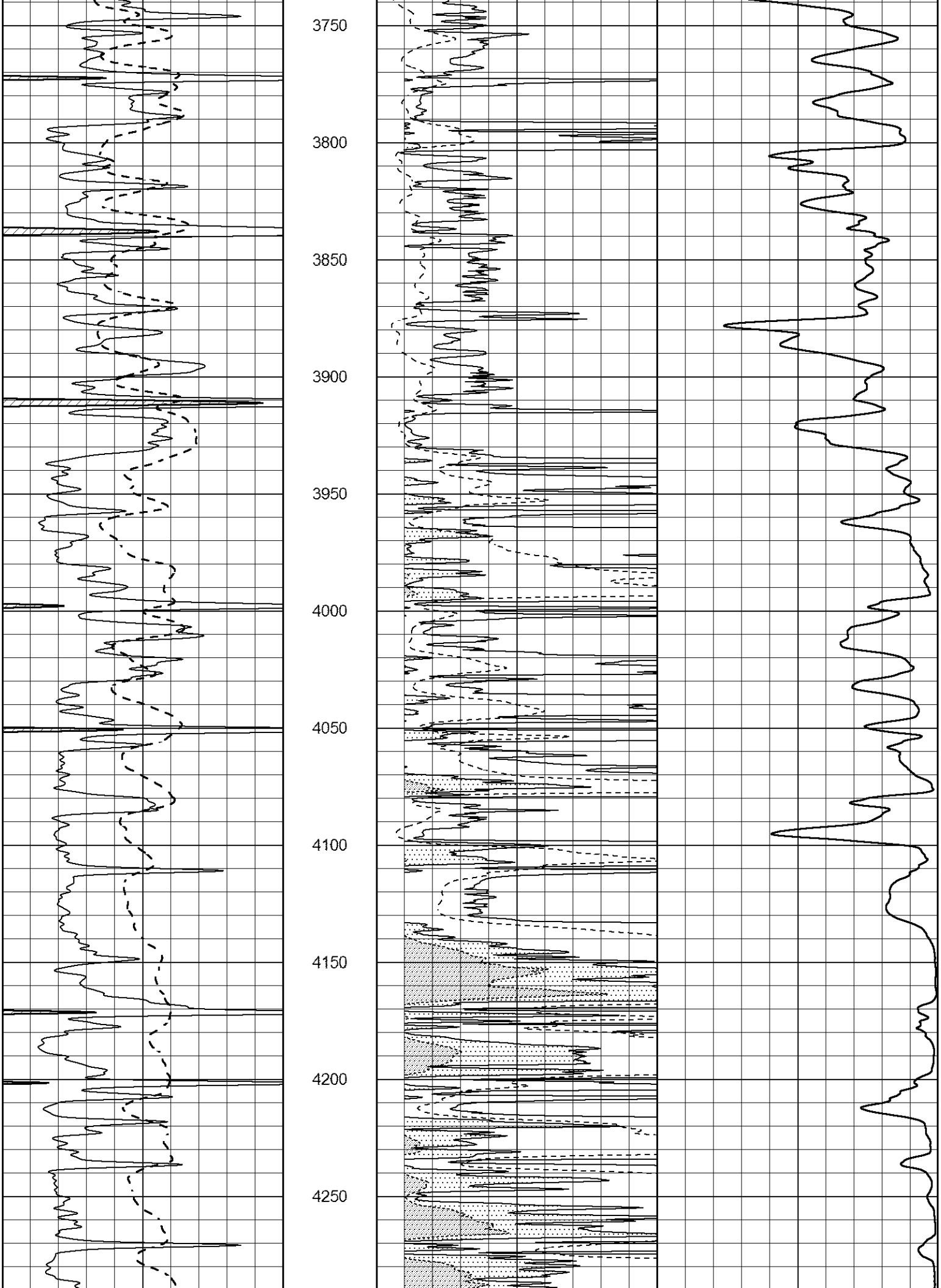
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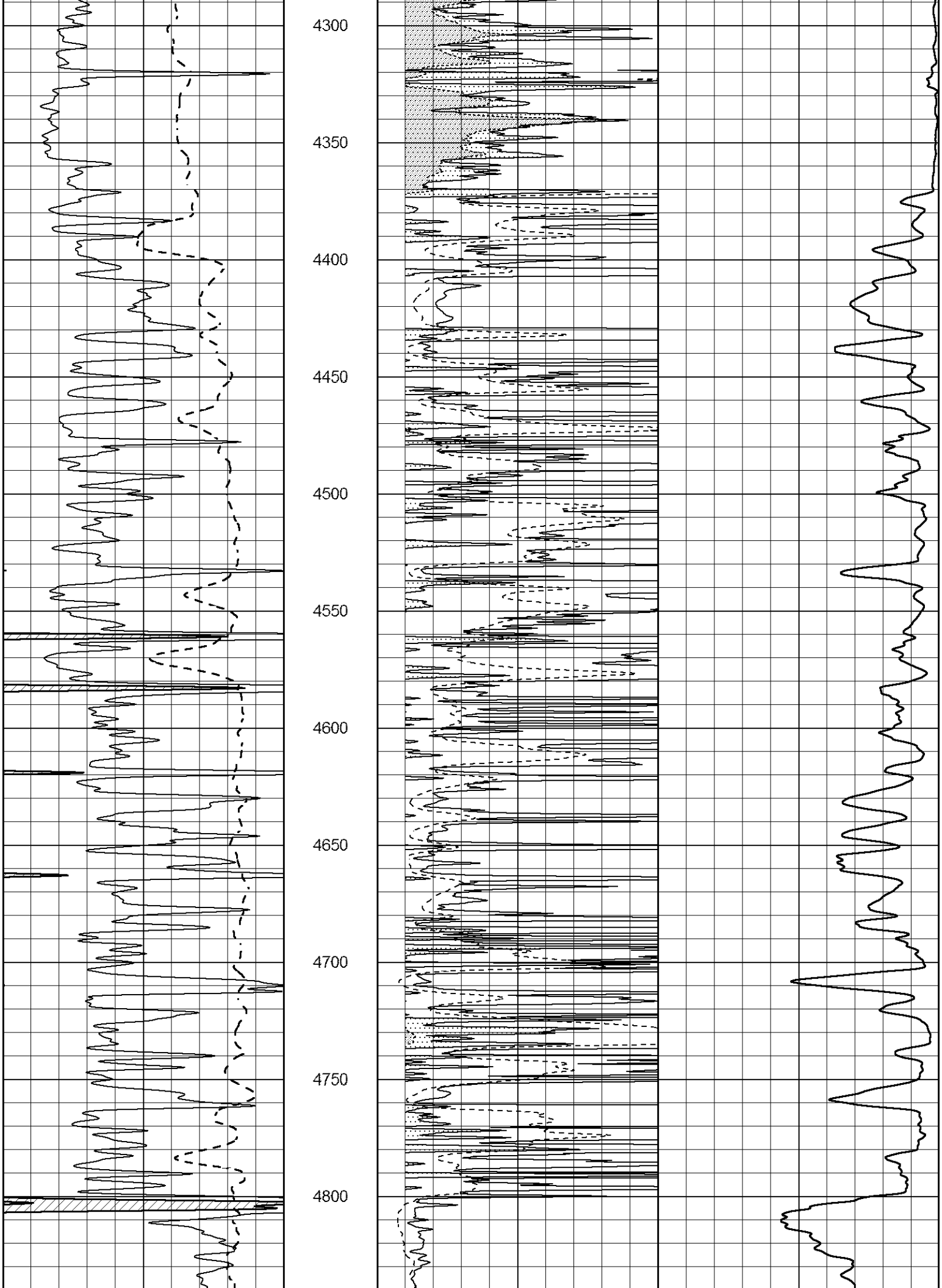
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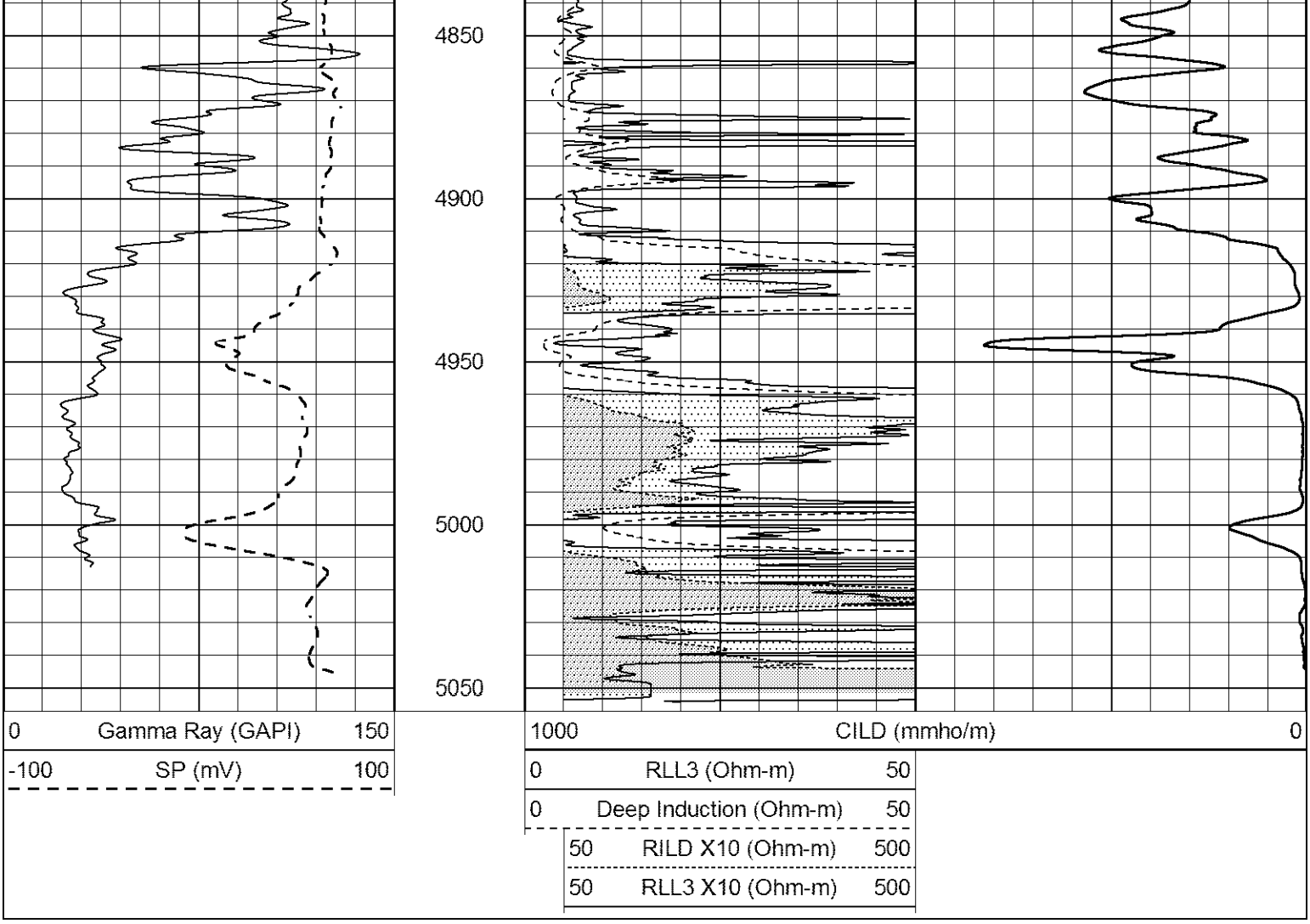
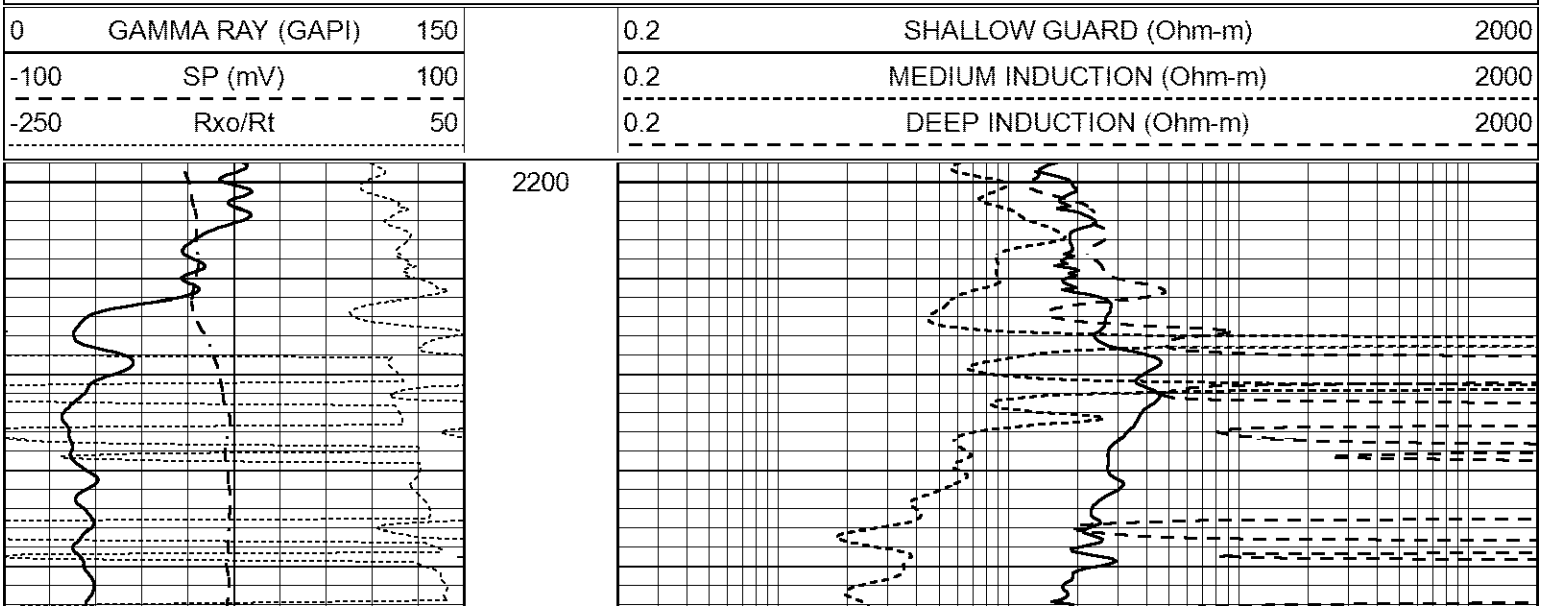
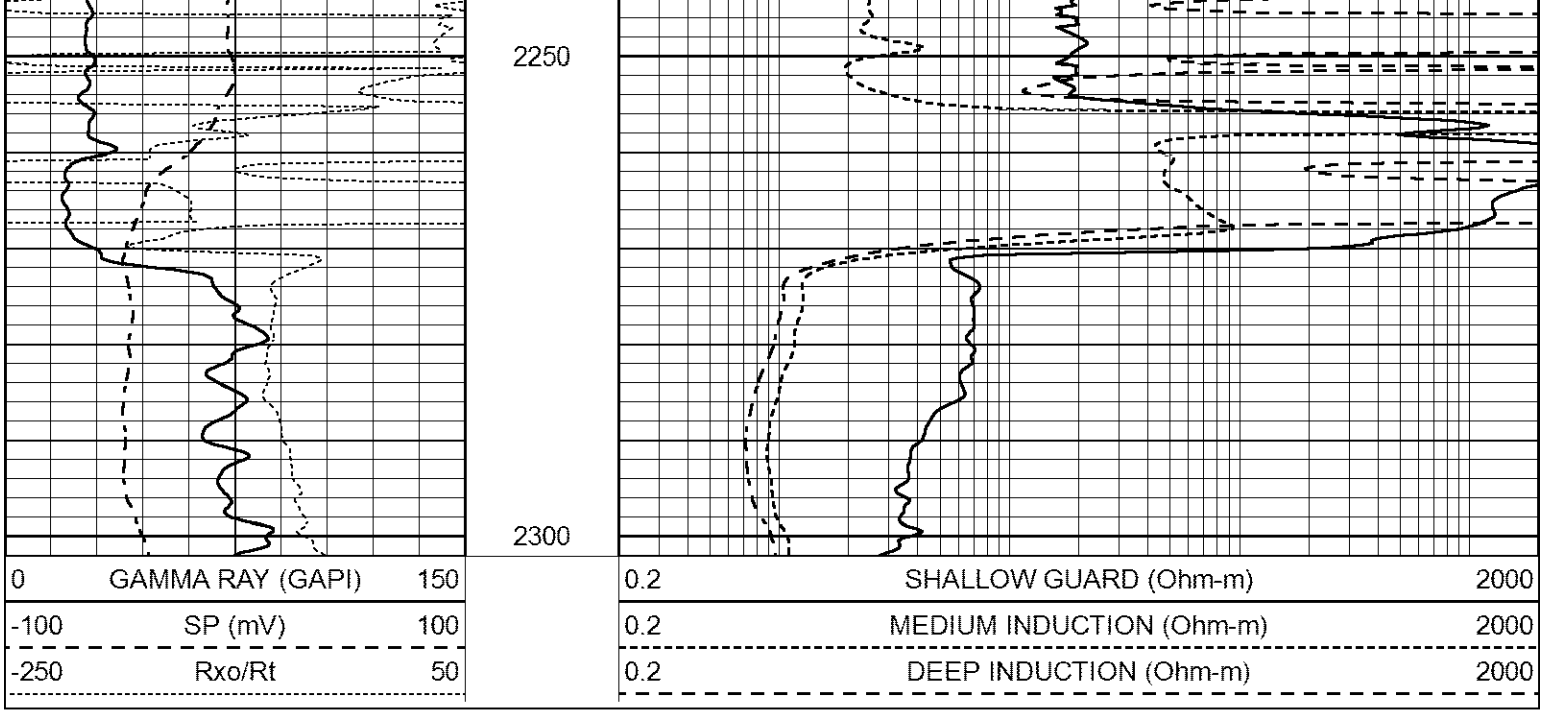


ANHYDRITE

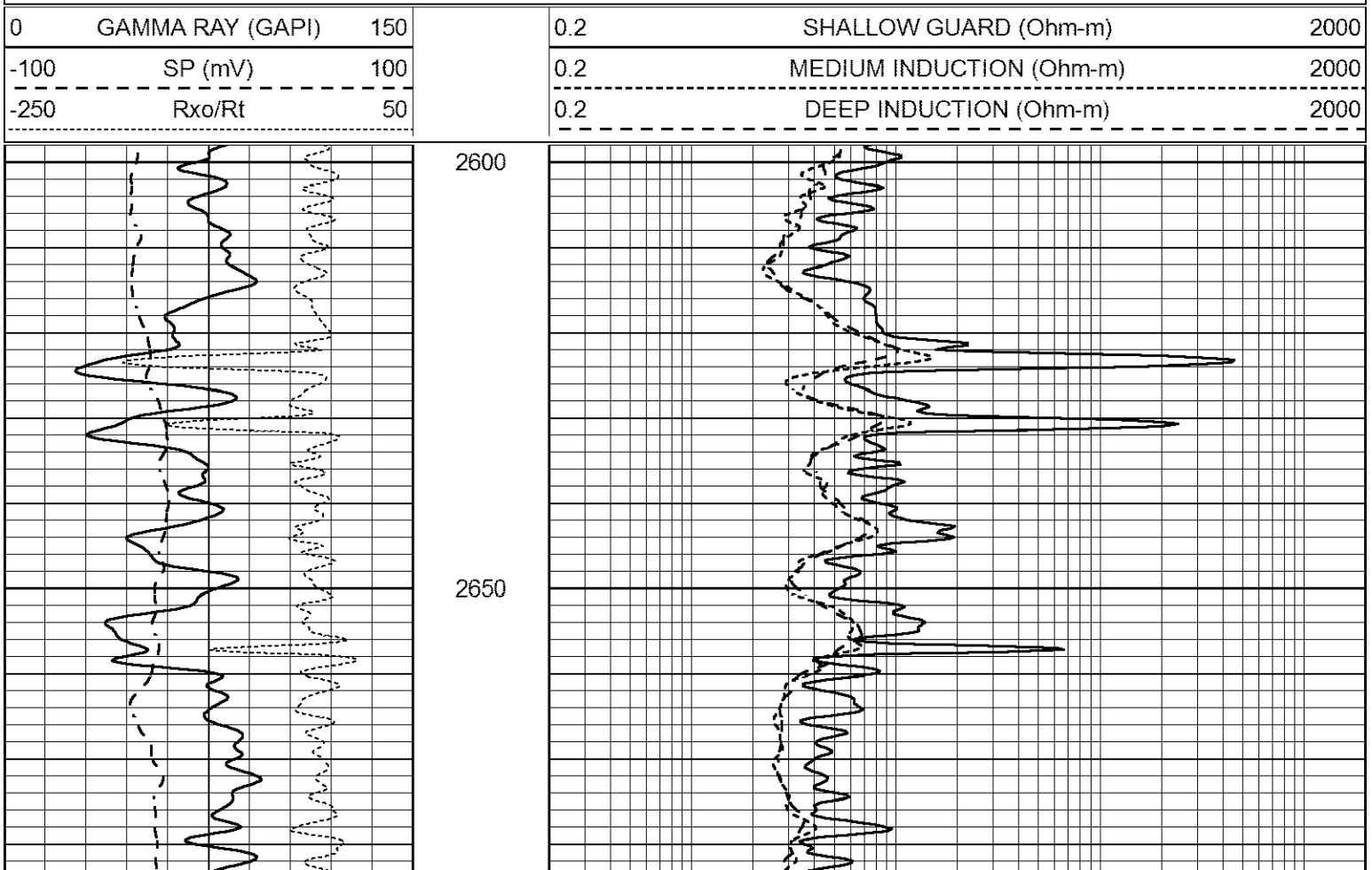
Database File	7796ddn.db
Dataset Pathname	pass3A
Presentation Format	_dil
Dataset Creation	Tue Nov 21 05:00:04 2023
Charted by	Depth in Feet scaled 1:240

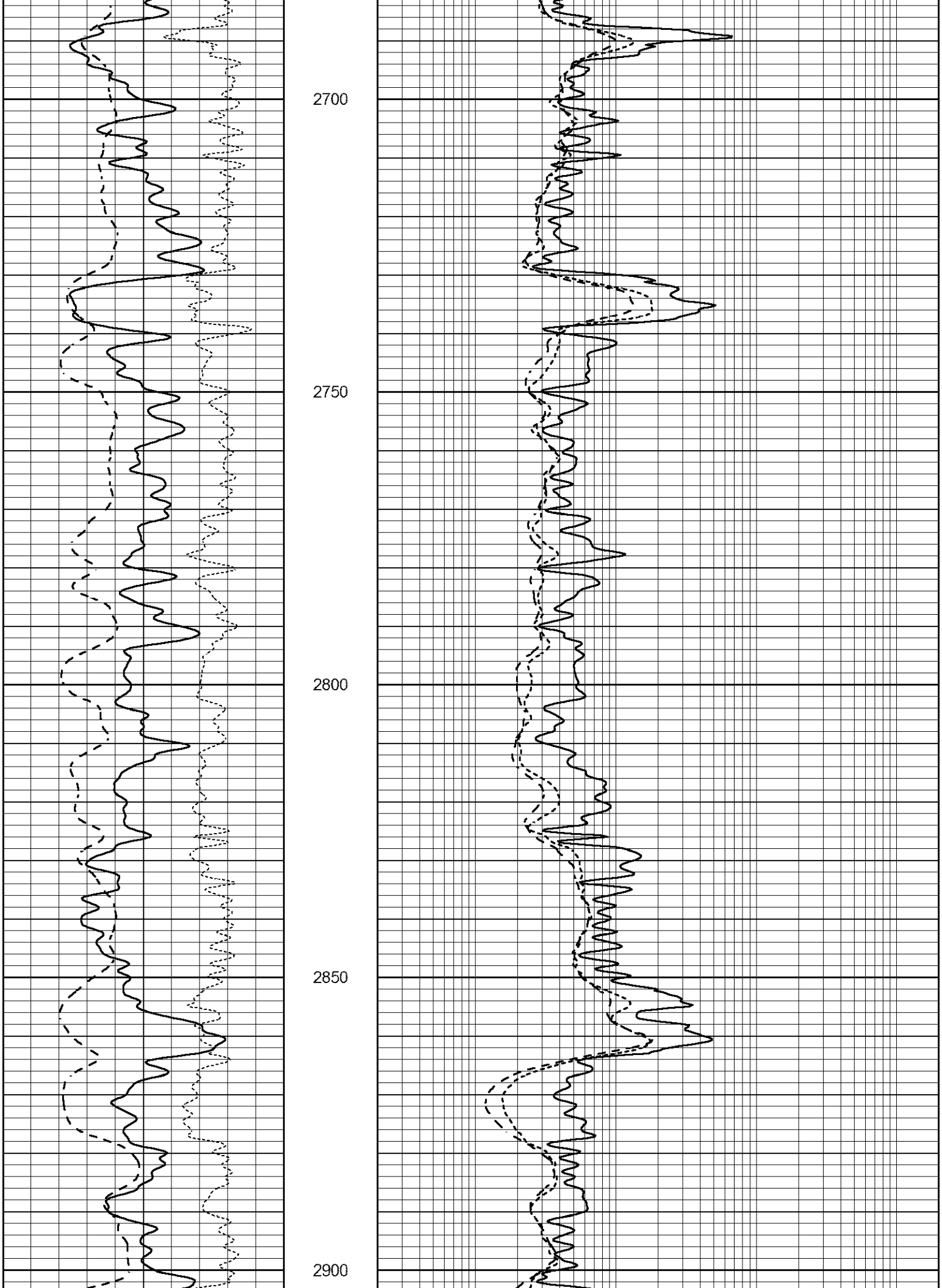




MAIN SECTION

Database File	7796ddn.db
Dataset Pathname	pass3D
Presentation Format	_dil
Dataset Creation	Tue Nov 21 04:33:34 2023
Charted by	Depth in Feet scaled 1:240

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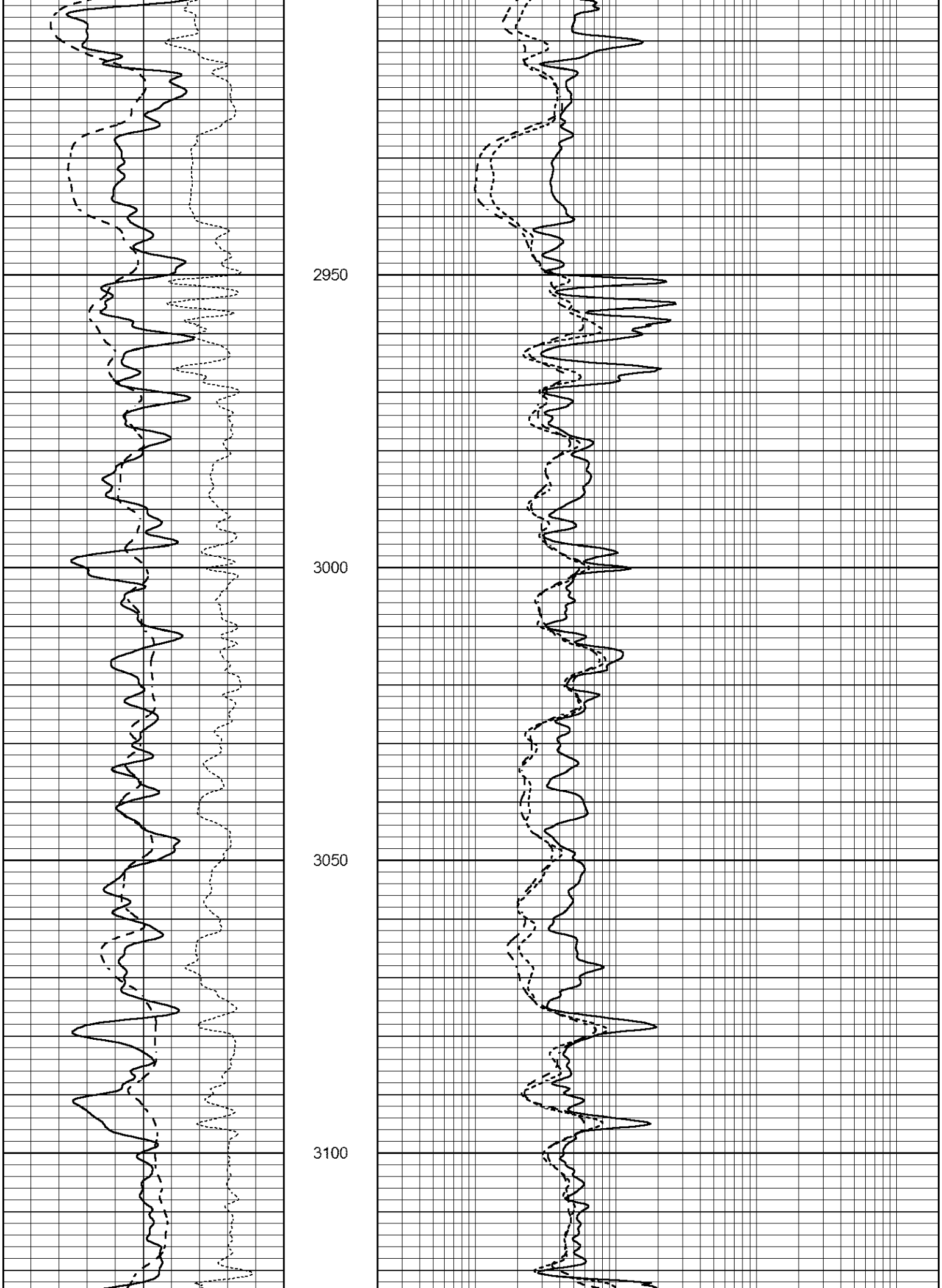
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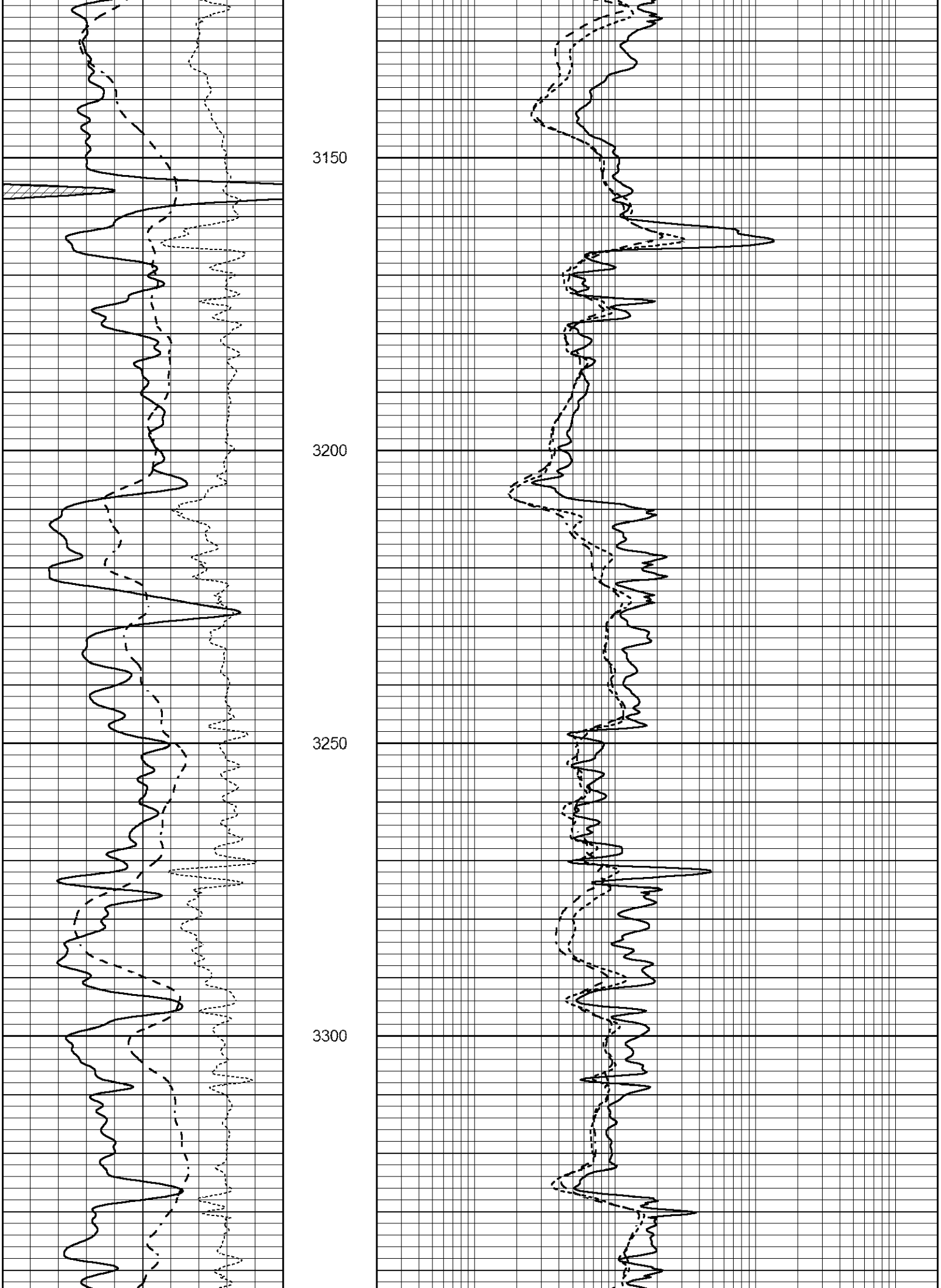
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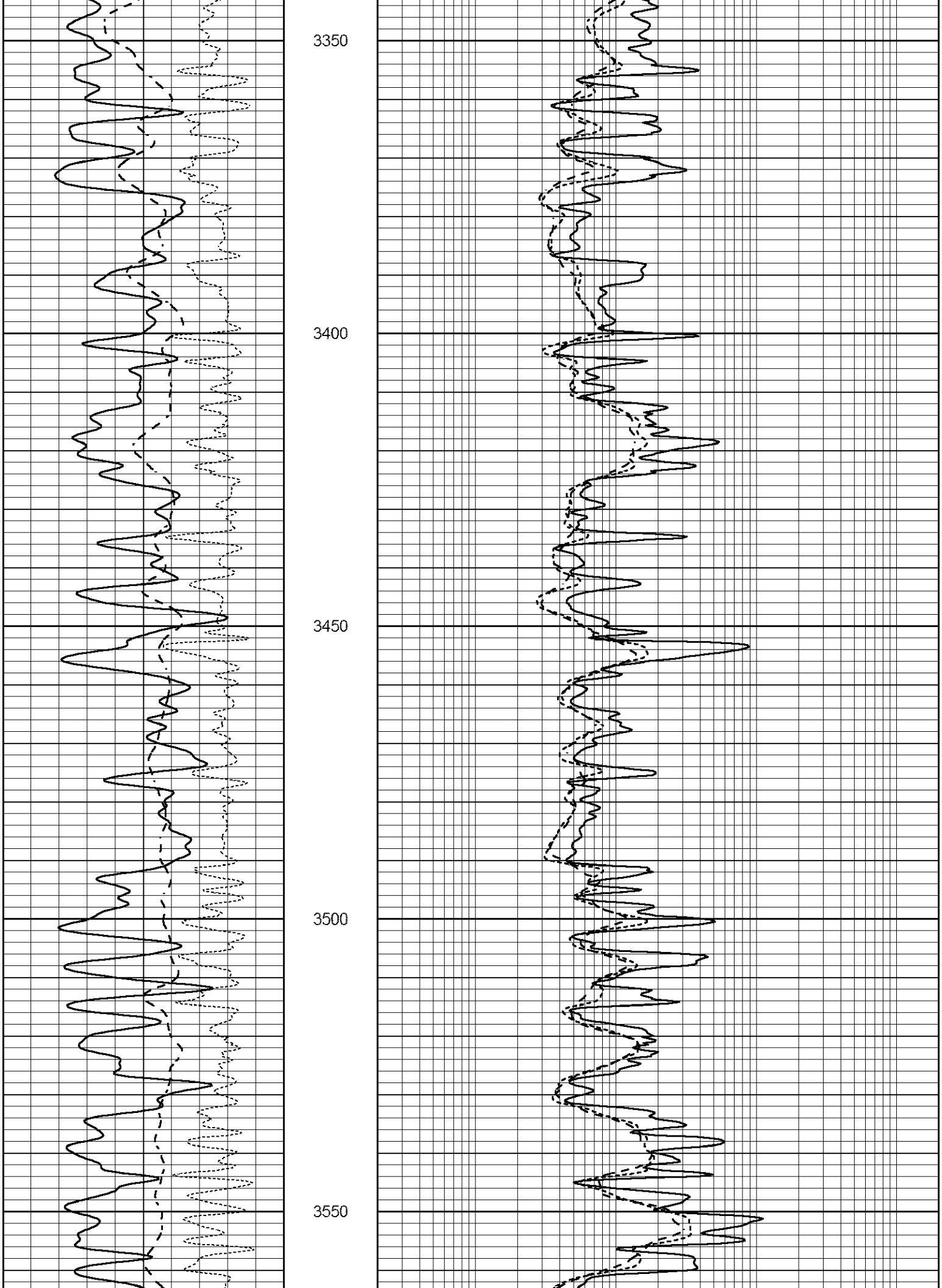
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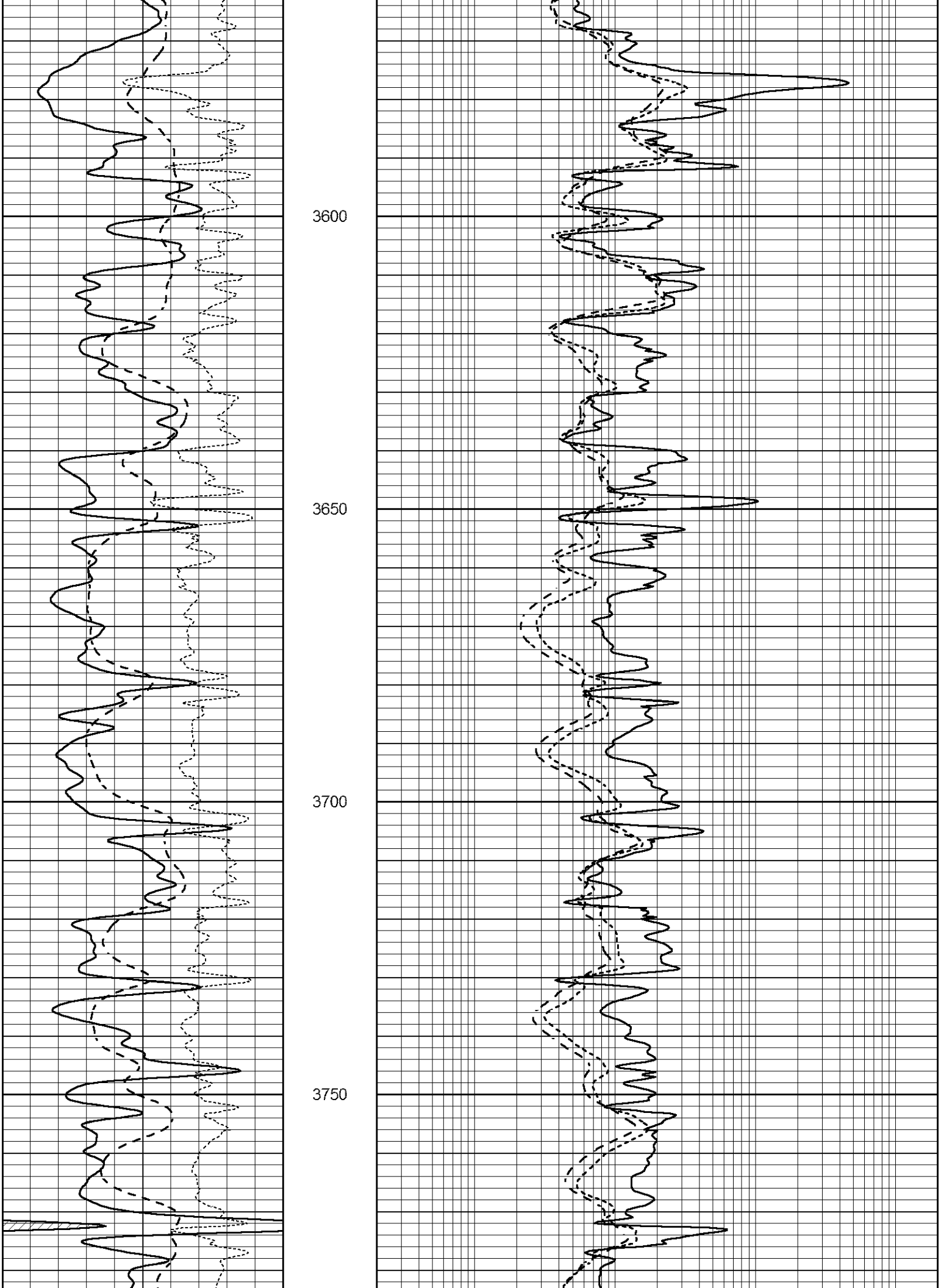
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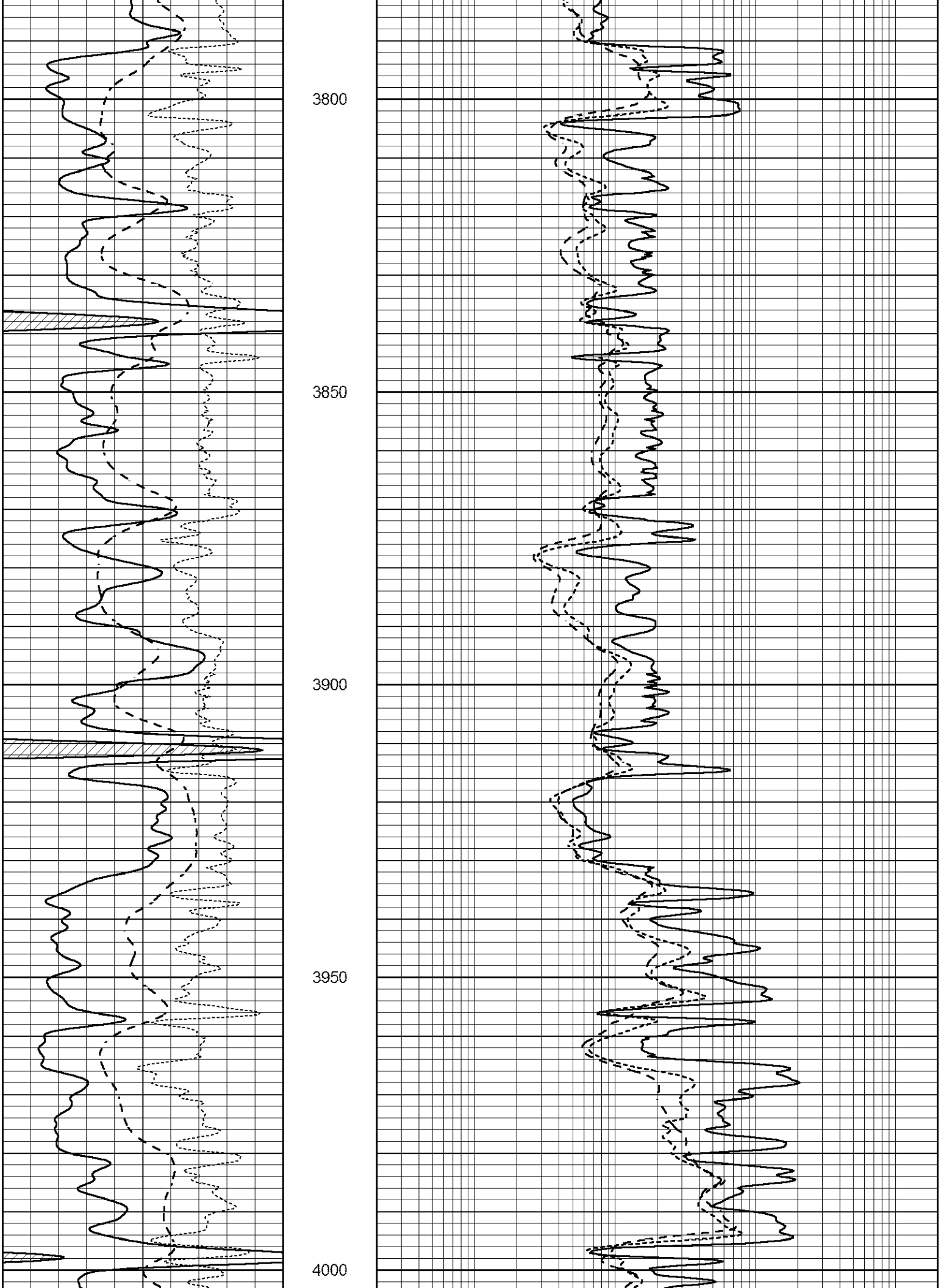
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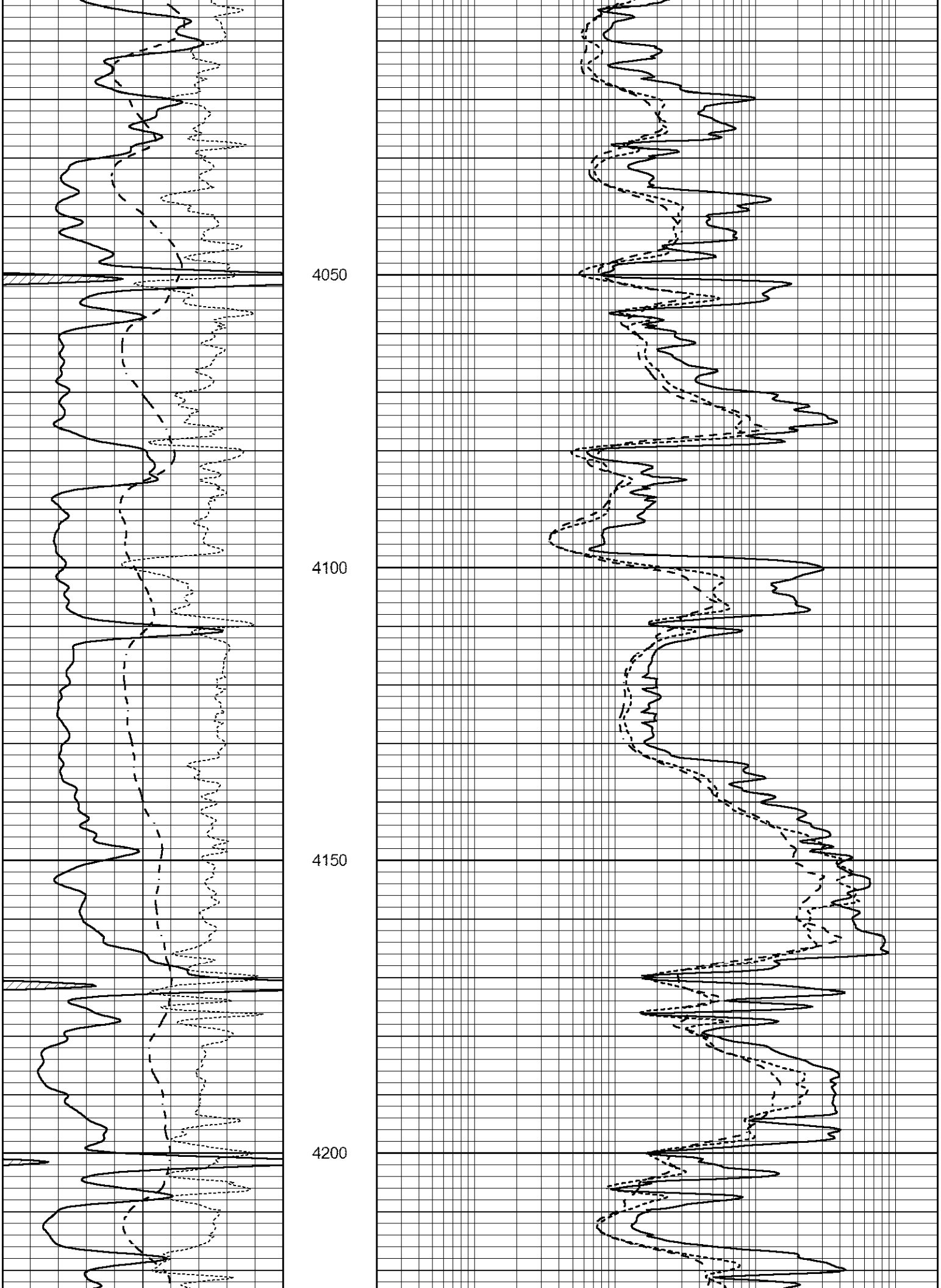
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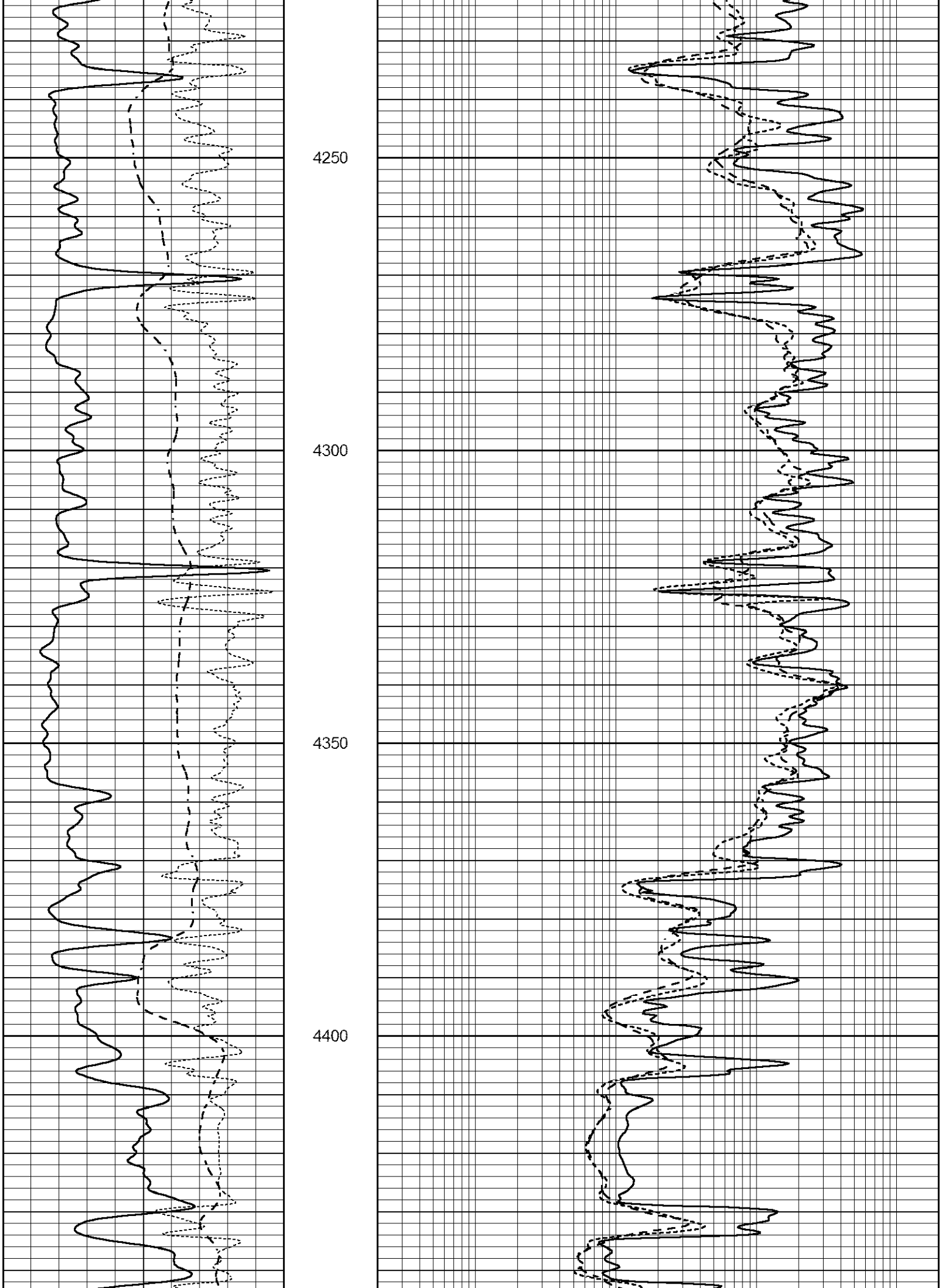
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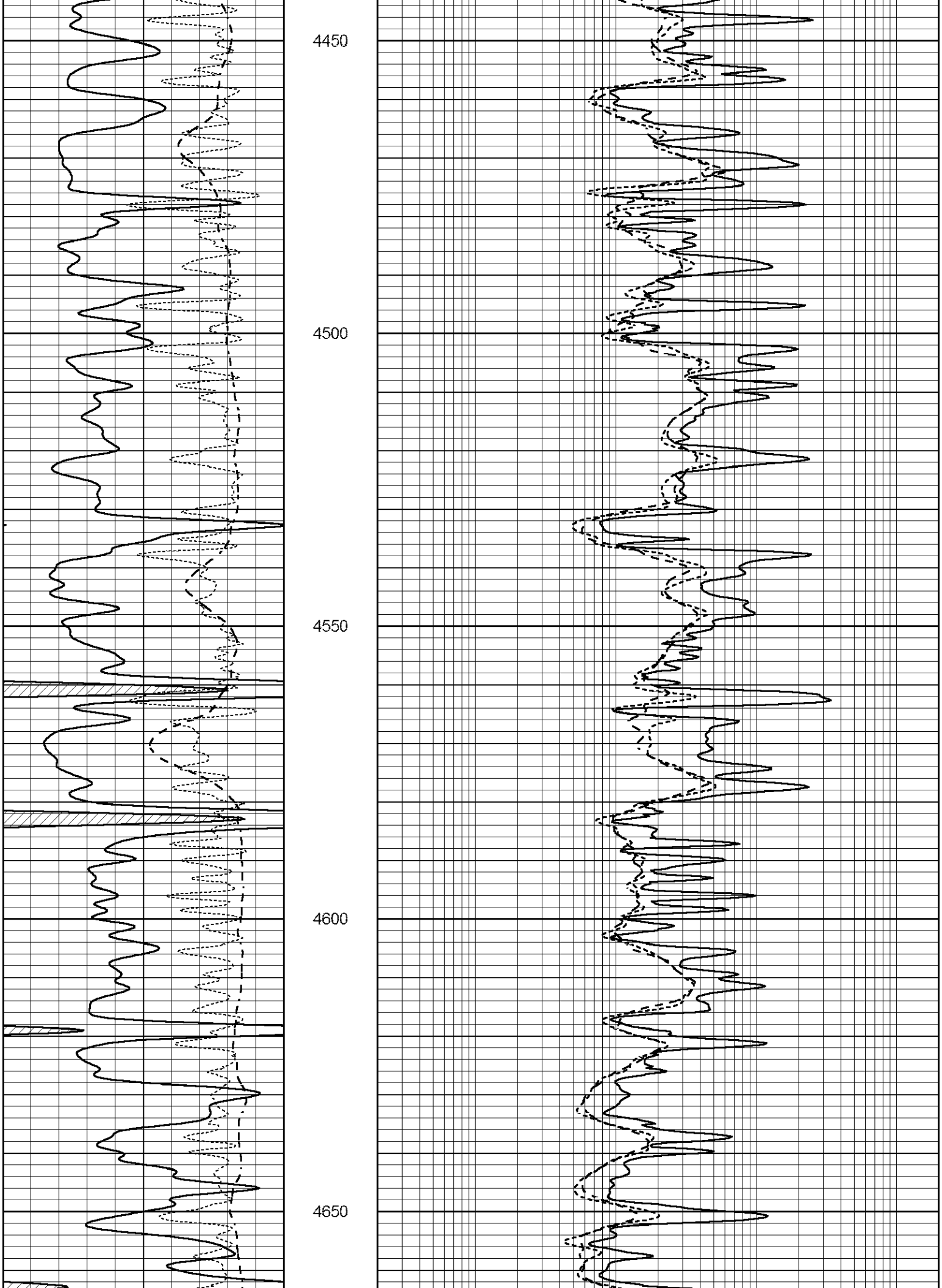
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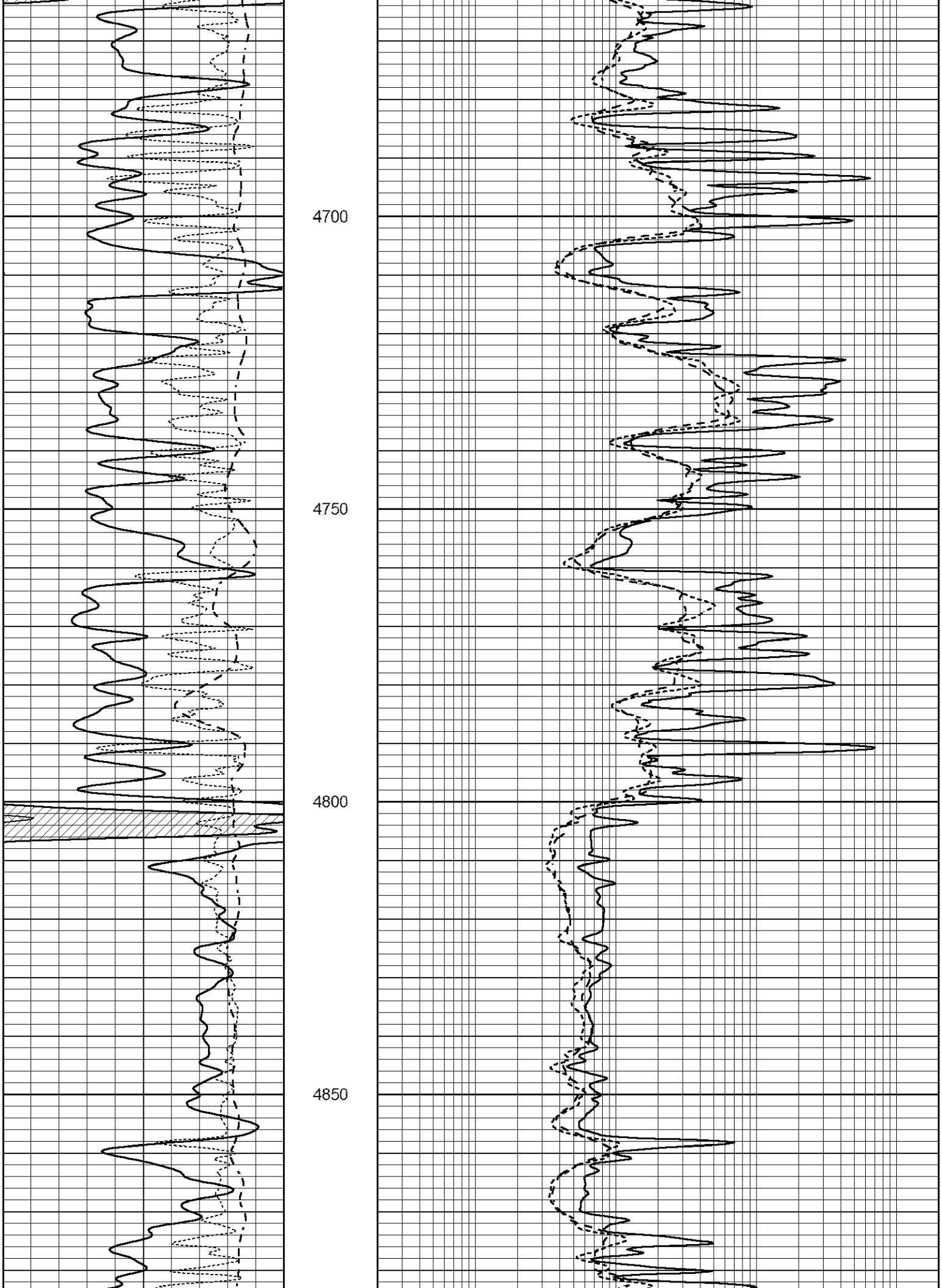
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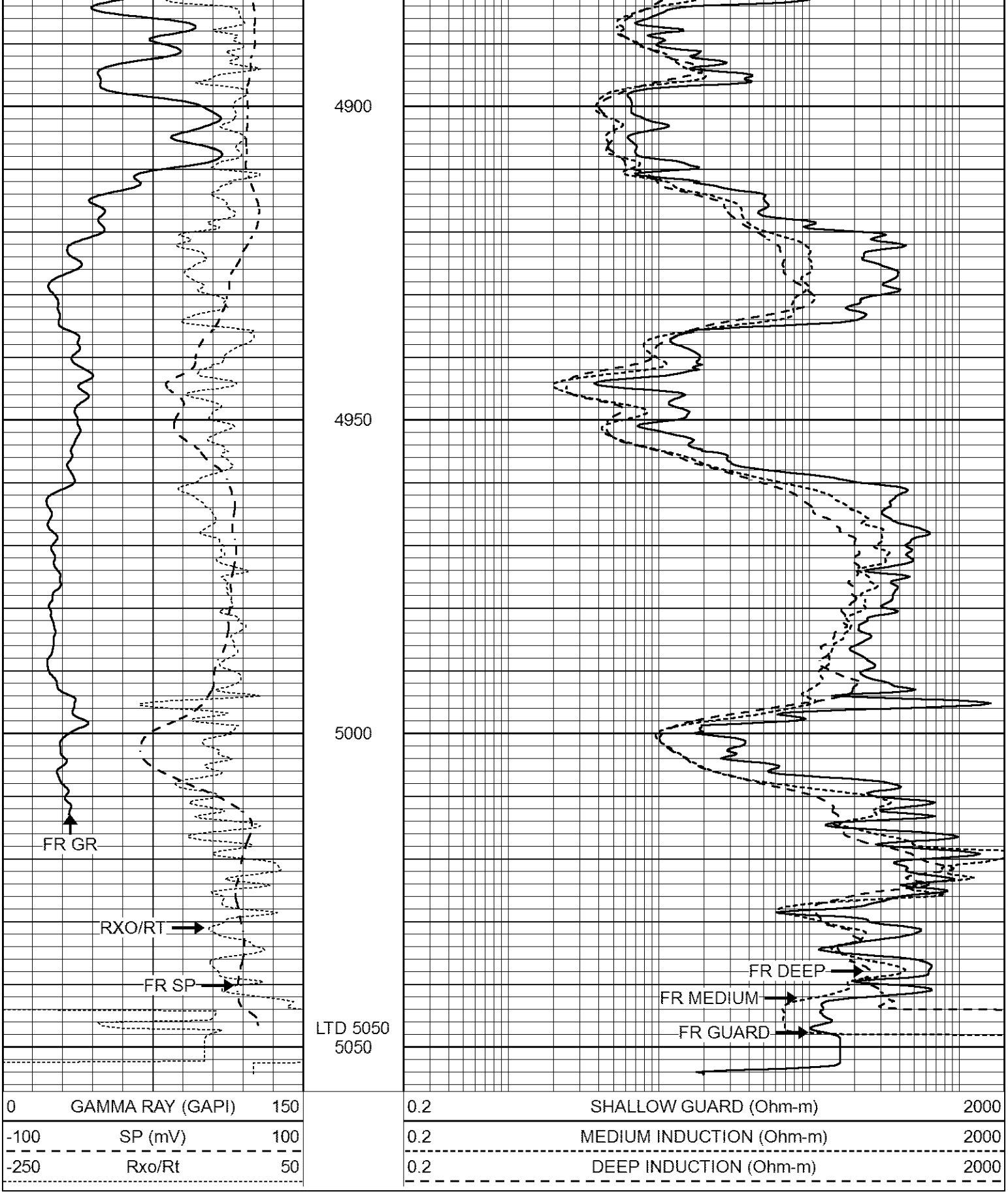


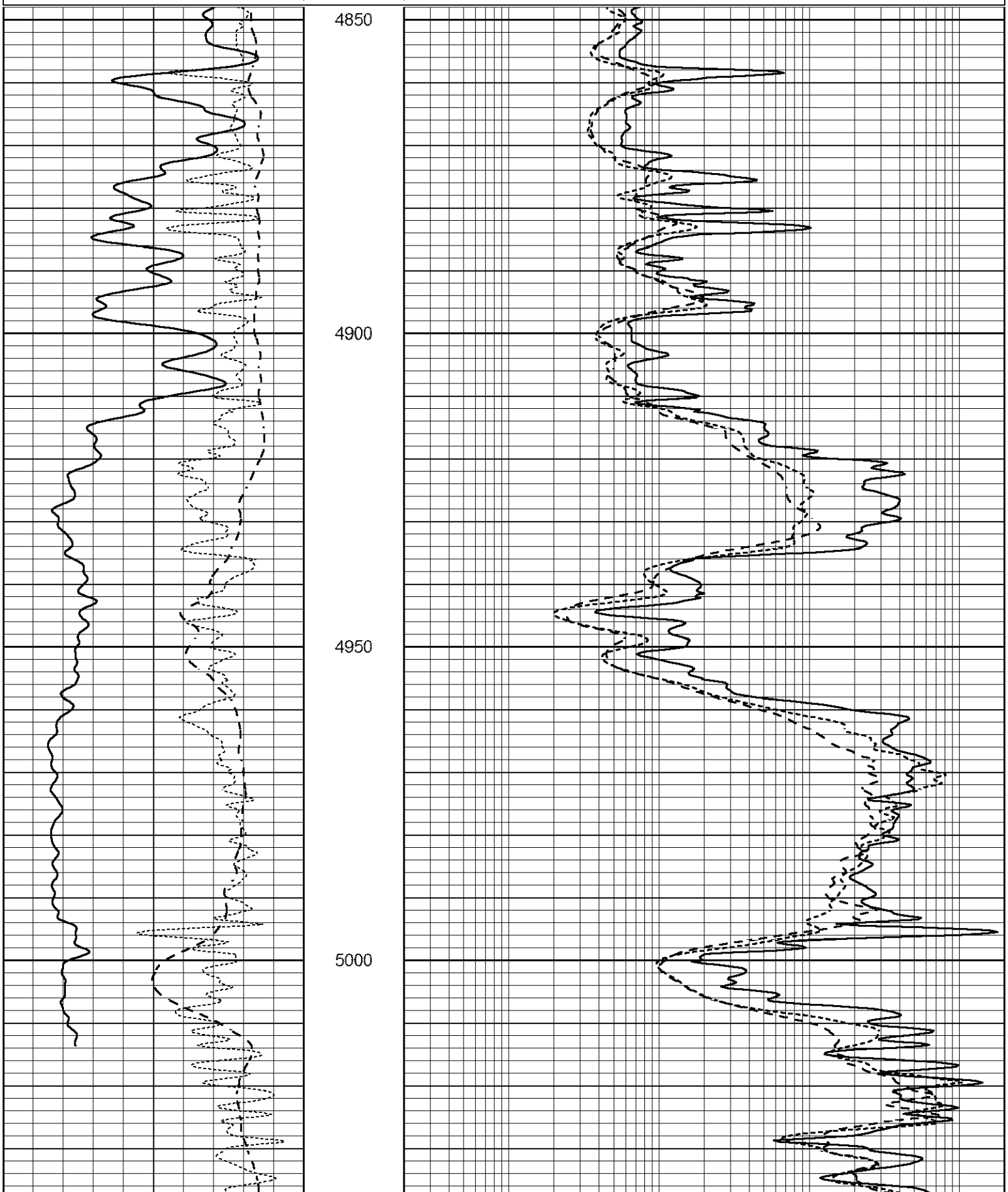
REPEAT SECTION

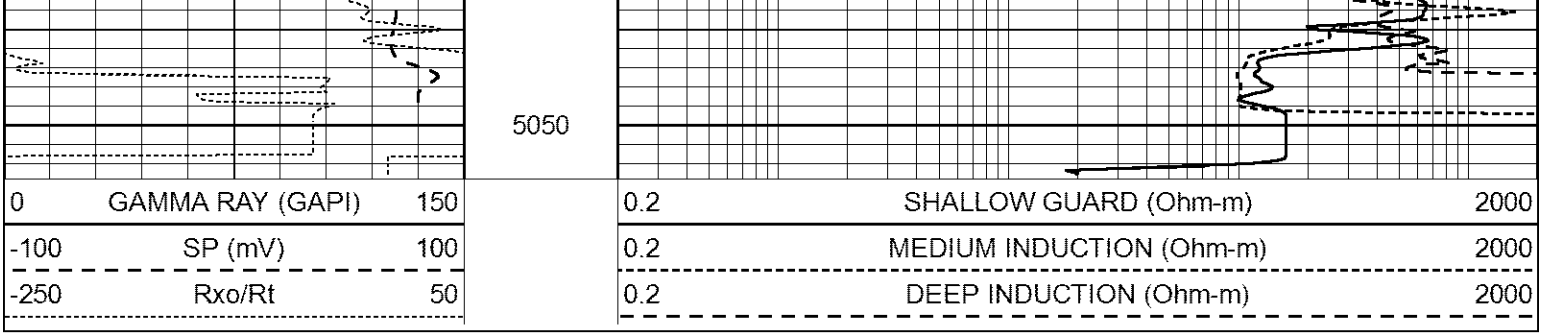
Database File 7796ddn.db

Dataset Pathname	pass2R
Presentation Format	_dil
Dataset Creation	Tue Nov 21 04:09:07 2023
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000





Calibration Report

Database File 7796ddn.db
Dataset Pathname pass3M
Dataset Creation Tue Nov 21 04:56:57 2023

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
Surface Cal Performed: Sat Jul 29 01:57:42 2023
Downhole Cal Performed: Tue Feb 19 11:44:24 2019
After Survey Verification Performed: Tue Feb 19 11:44:27 2019

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	565.000	-7.400
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	530.000	-11.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.649	V	0.000	400.000	mmho/m	623.784	-4.595
Medium	0.004	0.743	V	0.000	464.000	mmho/m	627.284	-2.251

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.824	395.917	mmho/m	-0.976	397.550	mmho/m	1.004	-0.149
Medium	3.565	471.327	mmho/m	3.468	471.590	mmho/m	1.001	-0.099
LL3		7.503	V		1500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.481	V		3745.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Litho Density Calibration Report

Serial: 003 Model: PRB

Master Calibration

Performed Mon May 22 11:42:40 2023

	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	1512.3	7465.7	2749.0	2519.6	cps
Window 2	1398.8	6705.7	2507.3	2313.8	cps

Window 3	1289.2	5259.5	2124.1	2009.6	cps
Window 4	351.1	351.6	351.8	353.2	cps
Long Space	0.0	5306.9	1108.5	915.0	cps
Short Space	3.3	2239.9	1441.2	1212.0	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	

Rib Angle	: 44.3	Rib Slope	: 0.975	Density/Spine Ratio	: 0.541
Spine Angle	: 74.3	Spine Slope	: 3.551	Spine Intercept	: -18.8

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	

Compensated Neutron Calibration Report

Serial Number: 080621PMC
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: 46001
Tool Model: Probe1
Performed: Thu Apr 20 09:55:57 2023

Calibrator Value: 1.0 GAPI

Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.4300	GAPI/cps