SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

MICRO LOG

Company ATLAS OPERATING, LLC.
Well SANDERS - SCHMISSEUR #4
Field SPIVEY - GRABS BASIL
County HARPER State KANSAS

Location: API # : 15-077-21784

1500' FNL & 2170' FWL

SEC 27 TWP 31S RGE 8W

Other Services
CDL/CNL/PE
DIL

Elevation
K.B. 1594
D.F.
G.L. 1584

Permanent Datum GROUND LEVEL Elevation 1584
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING

Date	1-4-12		
Run Number	TWO		
Depth Driller	4955		
Depth Logger	4956		
Bottom Logged Interval	4953		
Top Log Interval	2900		
Casing Driller	263		
Casing Logger	258		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.4 / 52		
pH / Fluid Loss	10.0 / 9.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.55 @ 80F		
Rmf @ Meas. Temp	0.41 @ 80F		
Rmc @ Meas. Temp	0.66 @ 80F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.350 @ 124F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	9:45 A.M.		
Maximum Recorded Temperature	124F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	PAT DEENIHAN		

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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.

Comments

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: SPIVEY MAG PLANT, 2S, 2E, 1S, 1/2E, S INTO.

MAIN SECTION

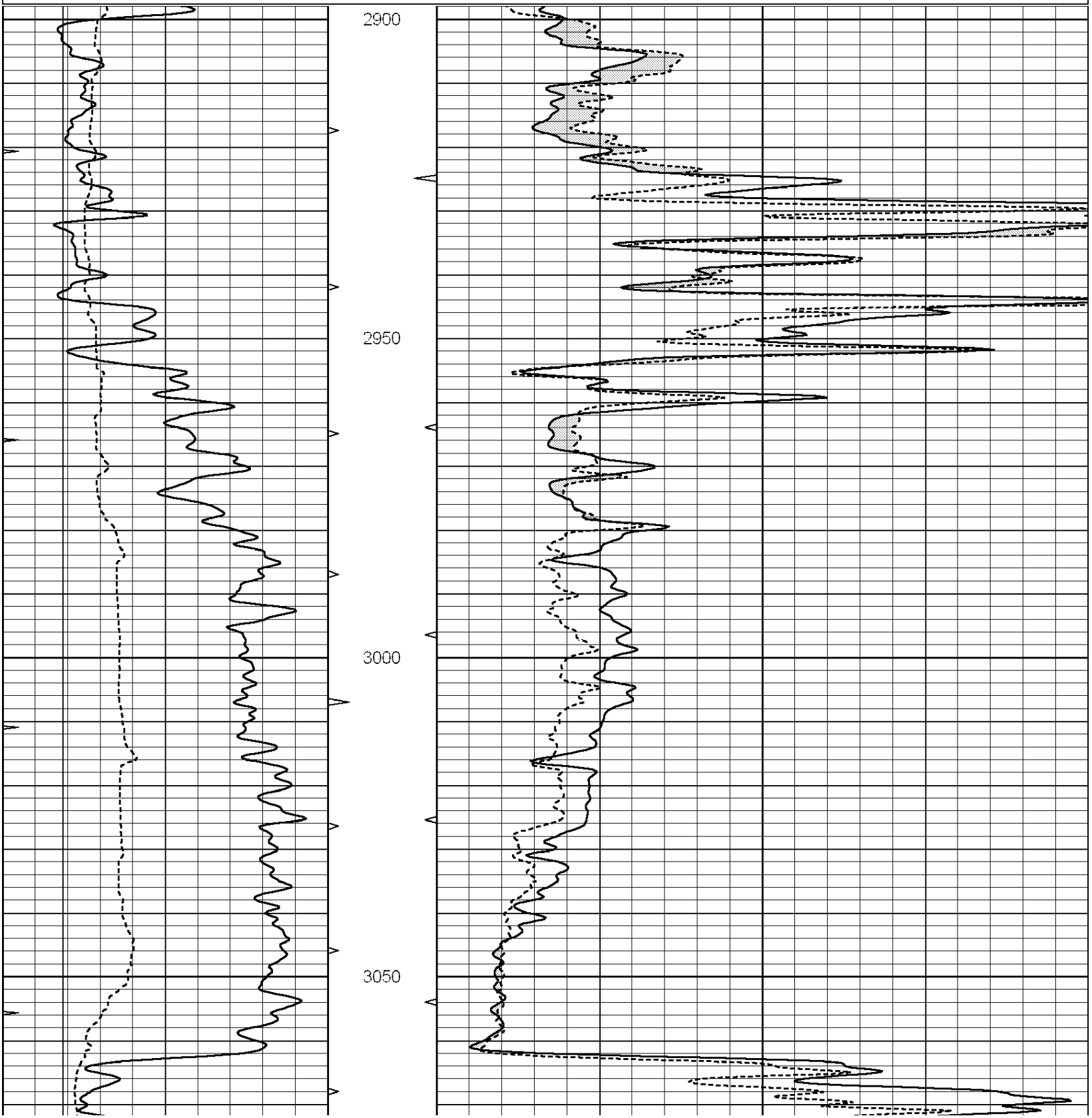
SUPERIOR
Hays,

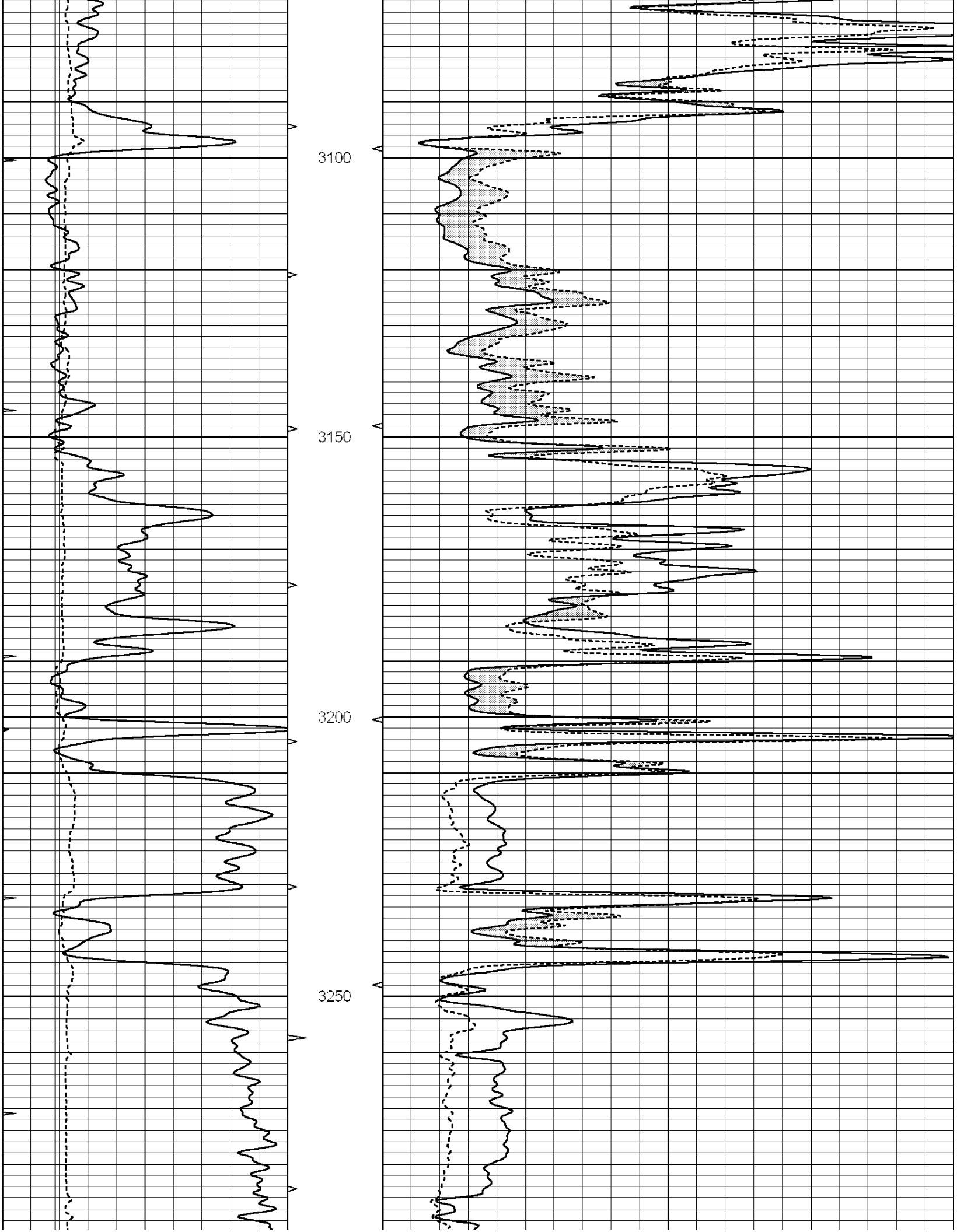
Kansas

Database File:	001224pdn.db
Dataset Pathname:	pass5.A
Presentation Format:	micro
Dataset Creation:	Wed Jan 04 14:11:04 2012
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	20
0	MEL2.0 (Ohm-m)	20

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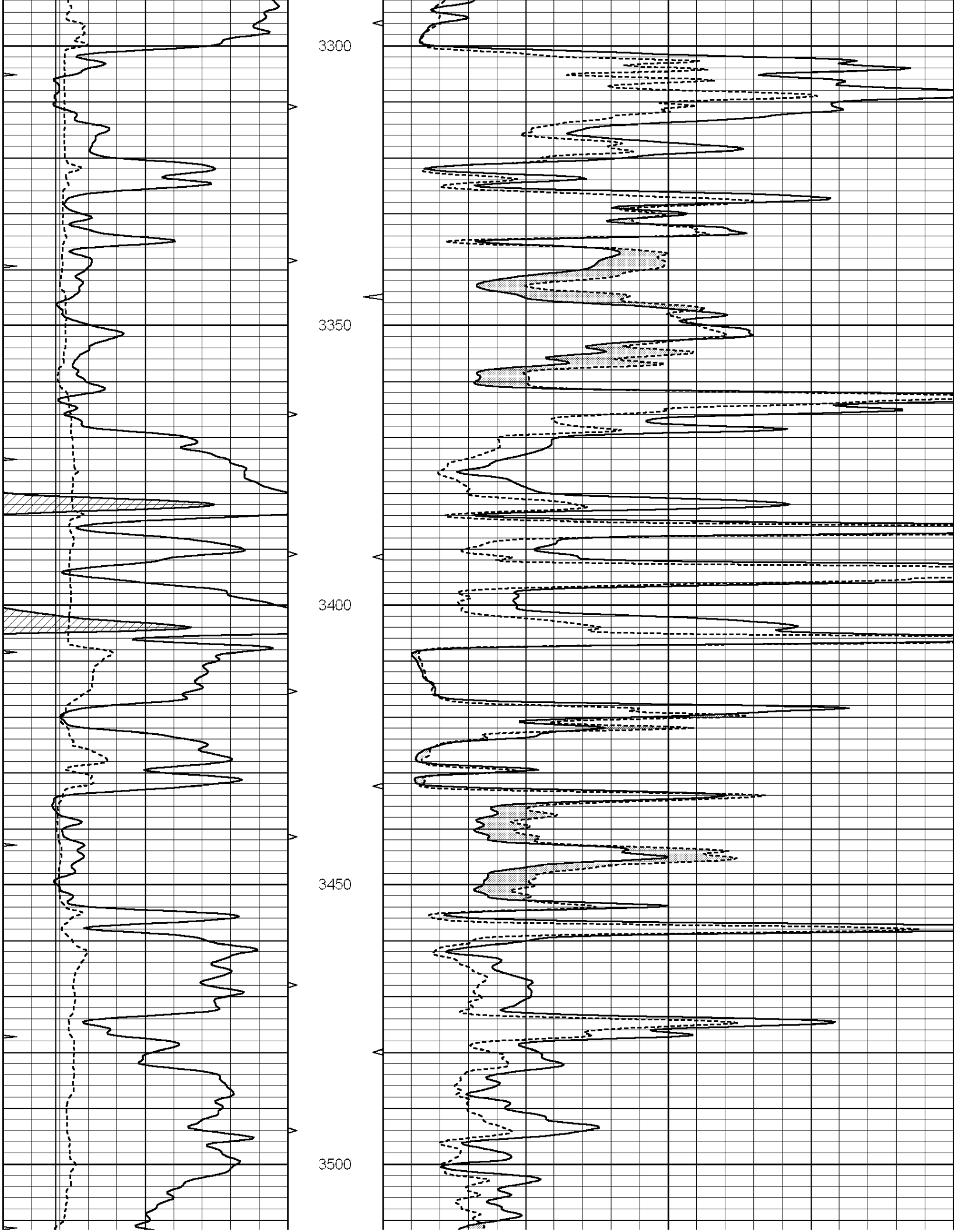
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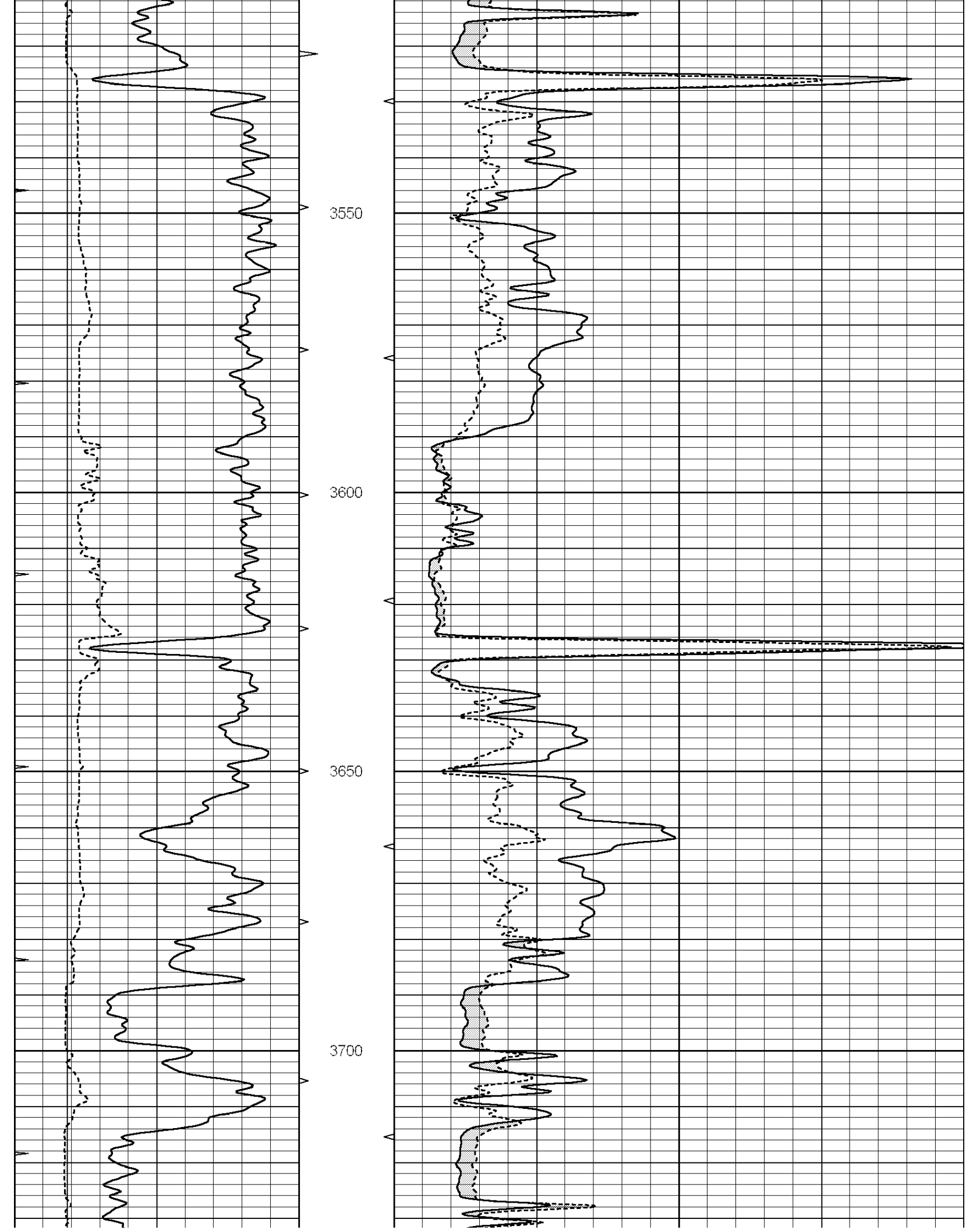
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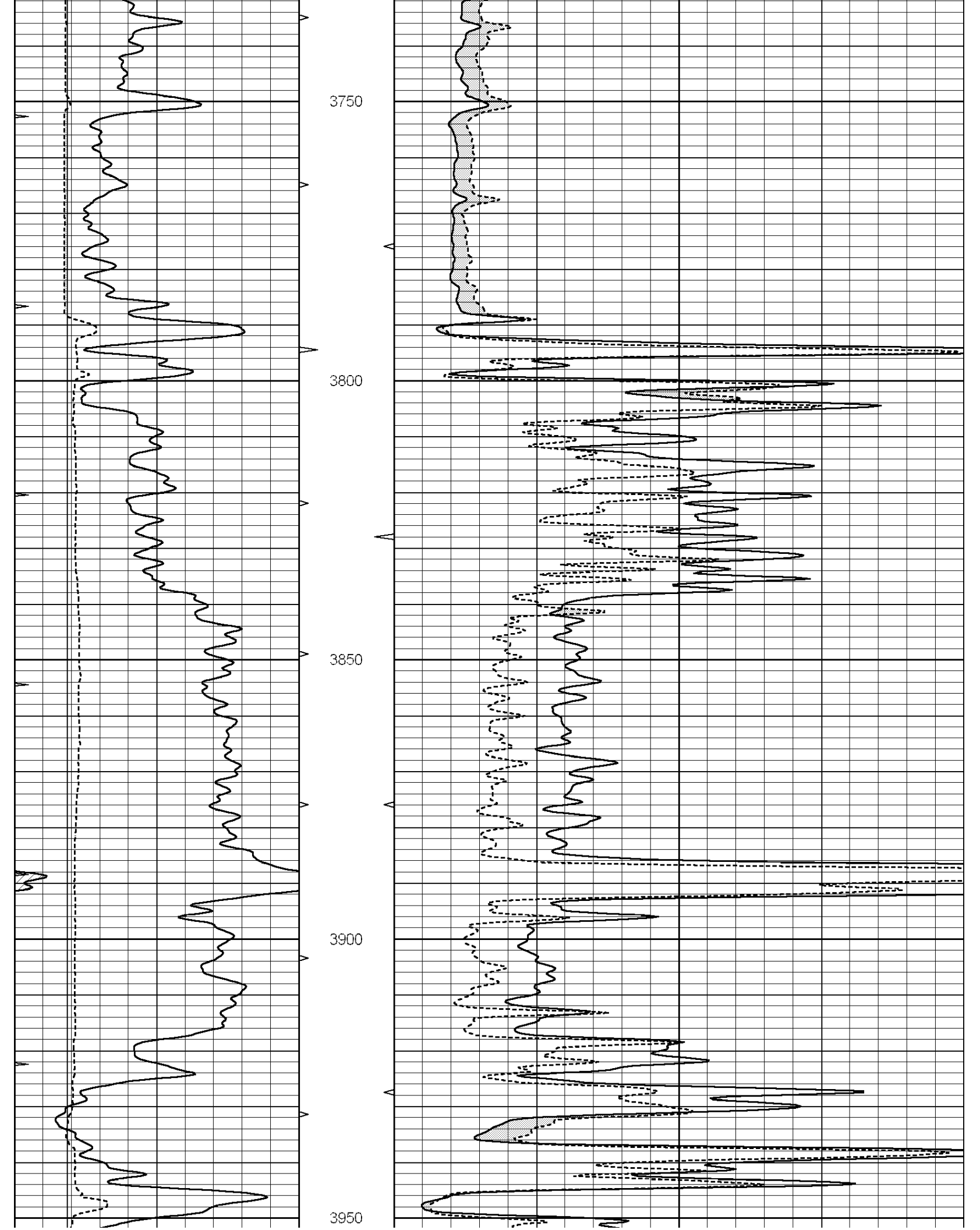
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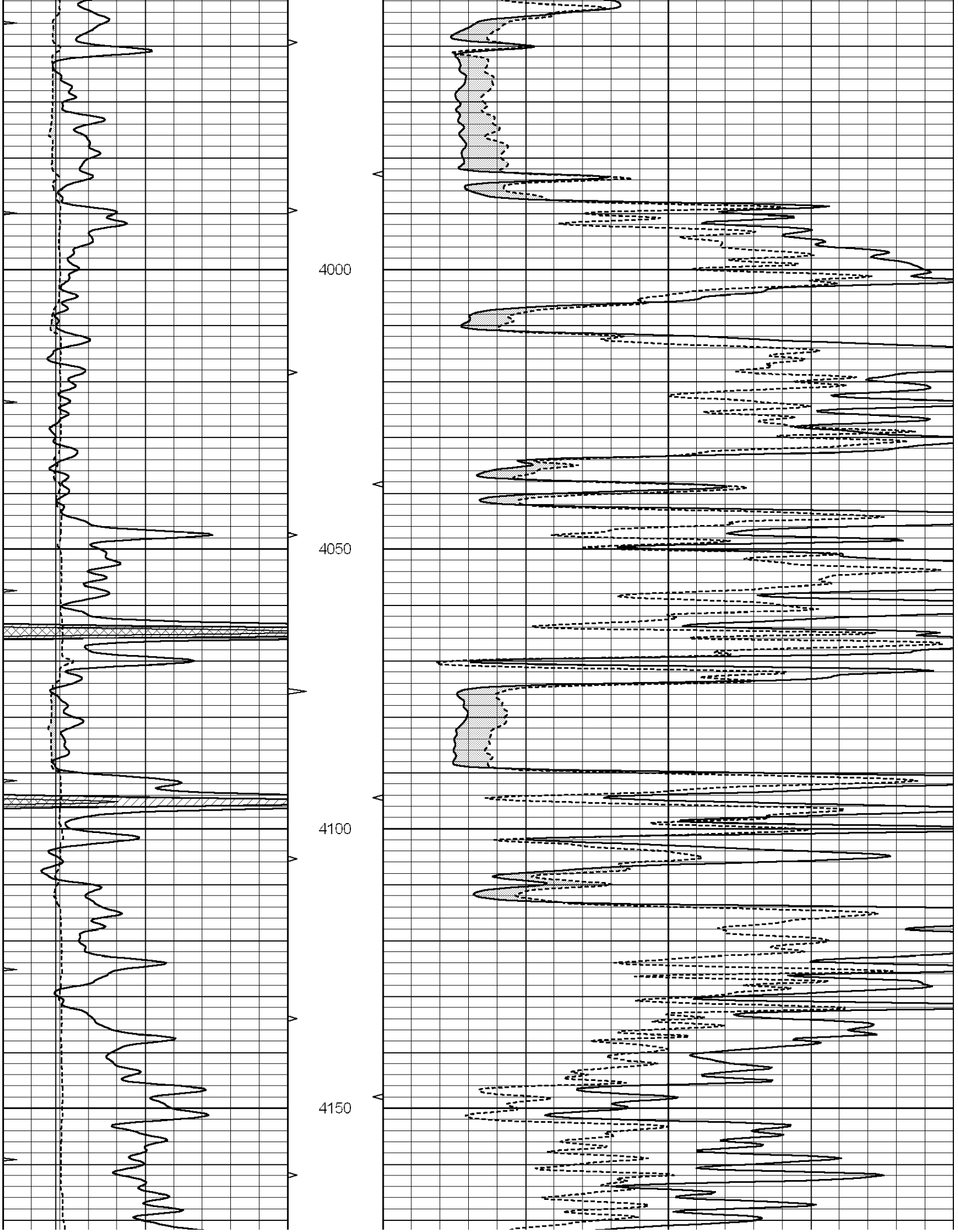
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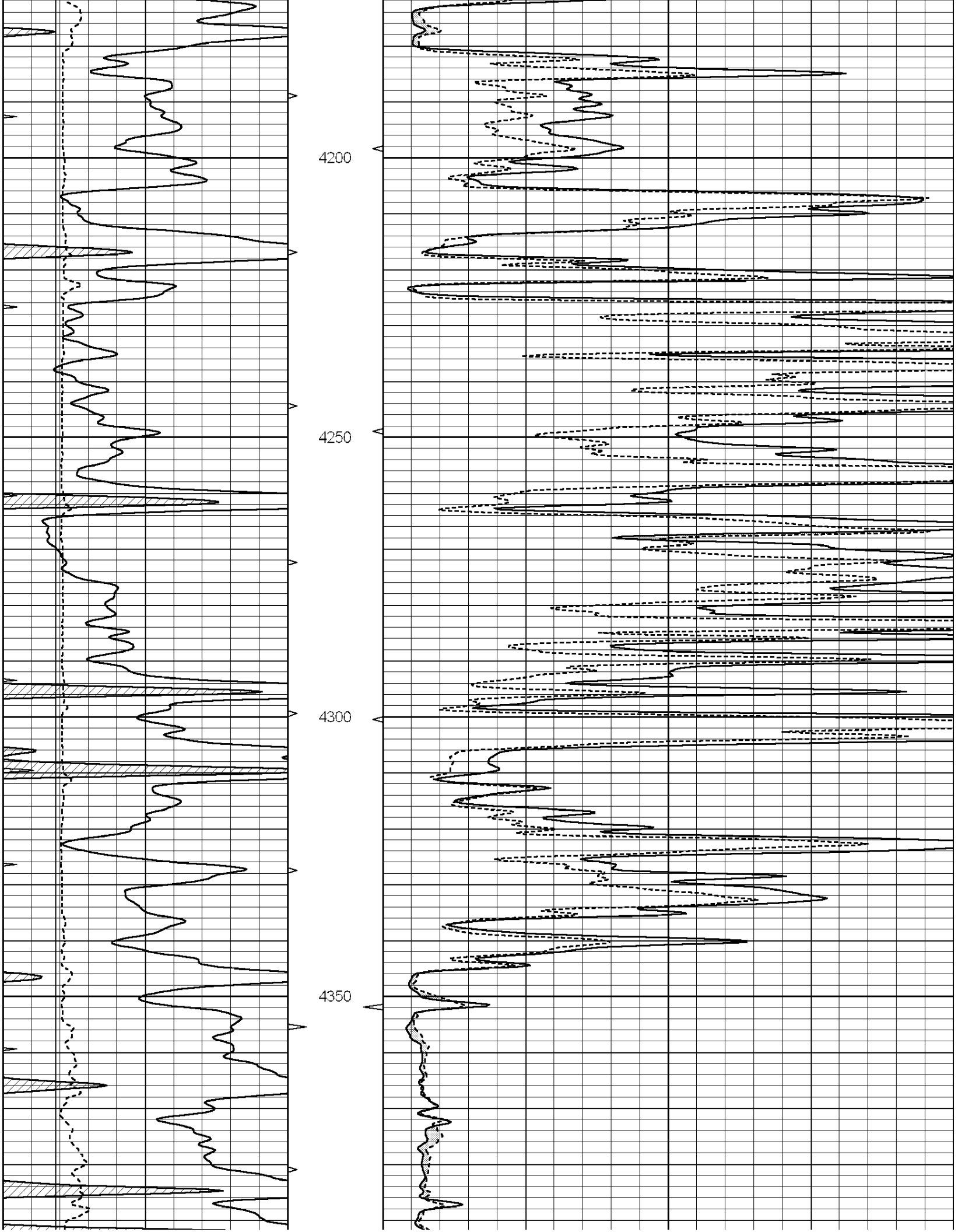
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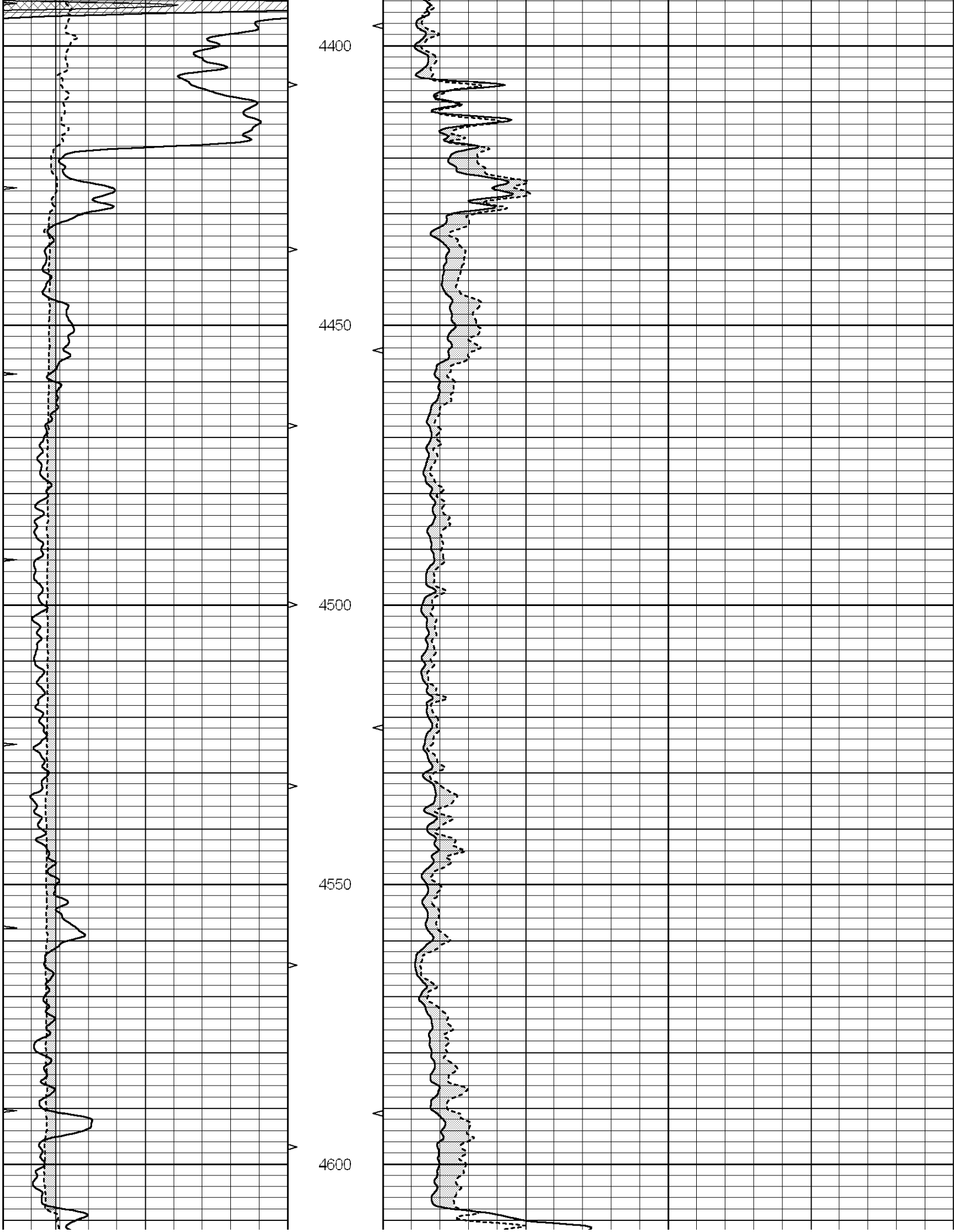
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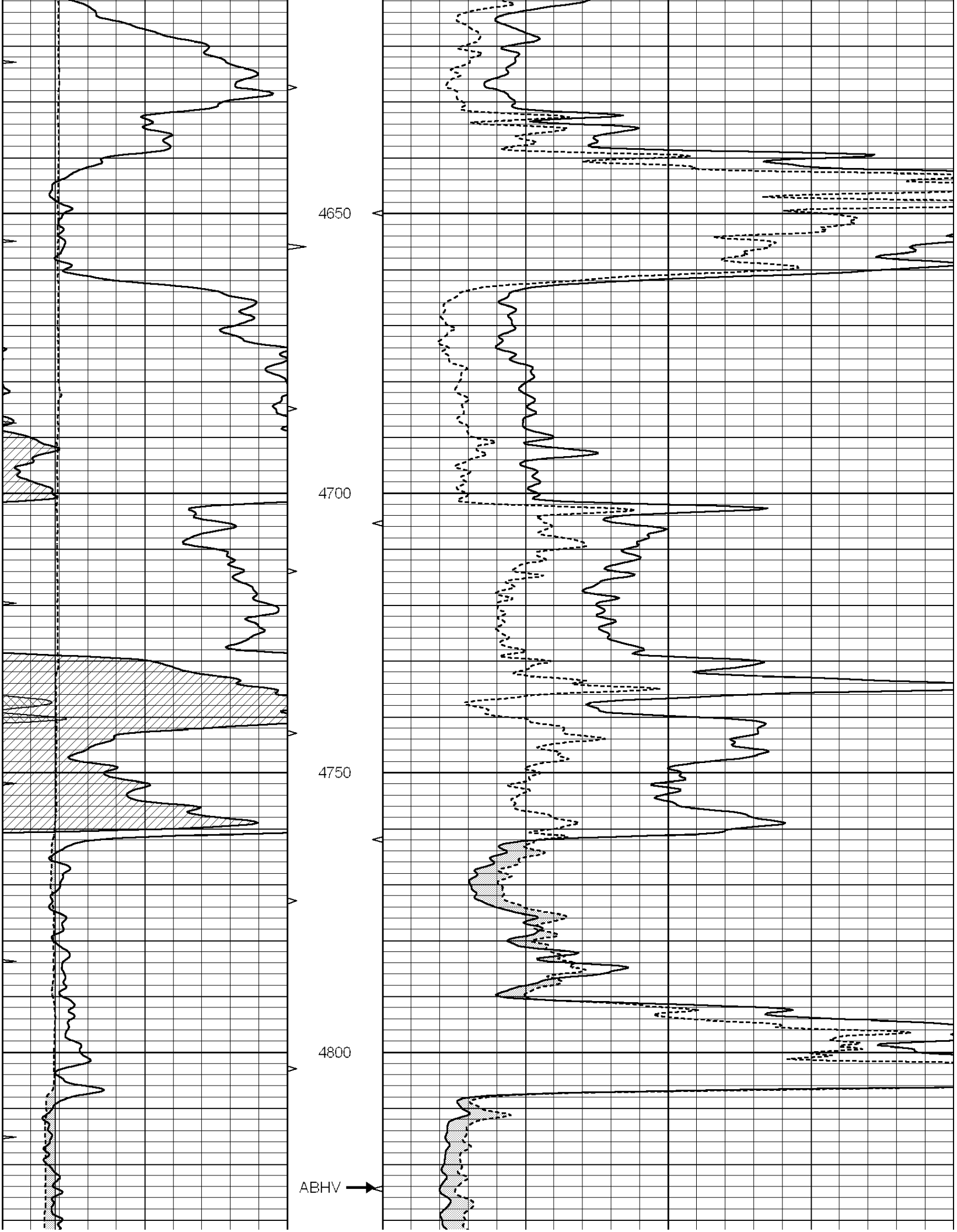
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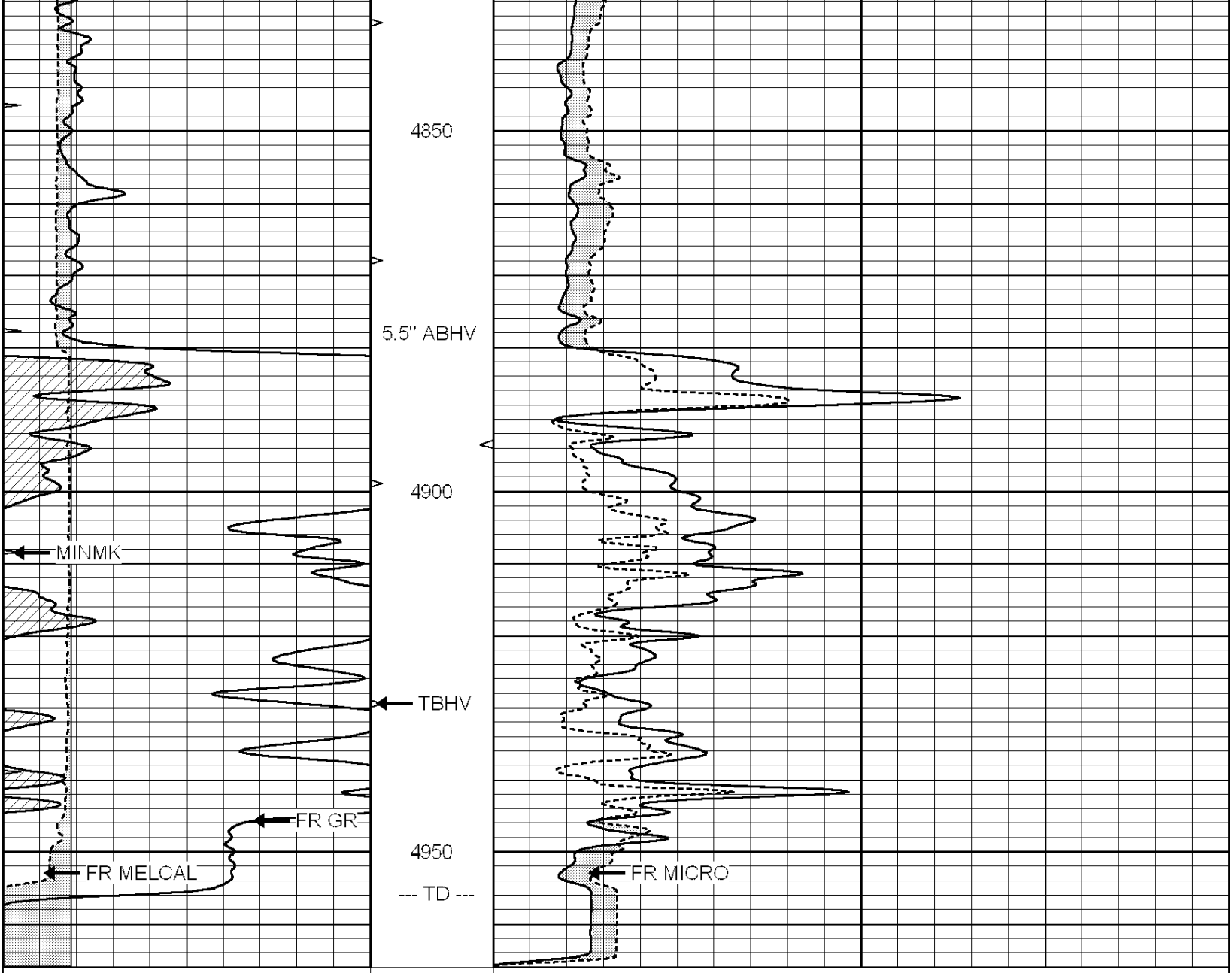

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REPEAT SECTION

Database File:	001224pdn.db
Dataset Pathname:	pass4.A
Presentation Format:	micro
Dataset Creation:	Wed Jan 04 14:16:11 2012 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
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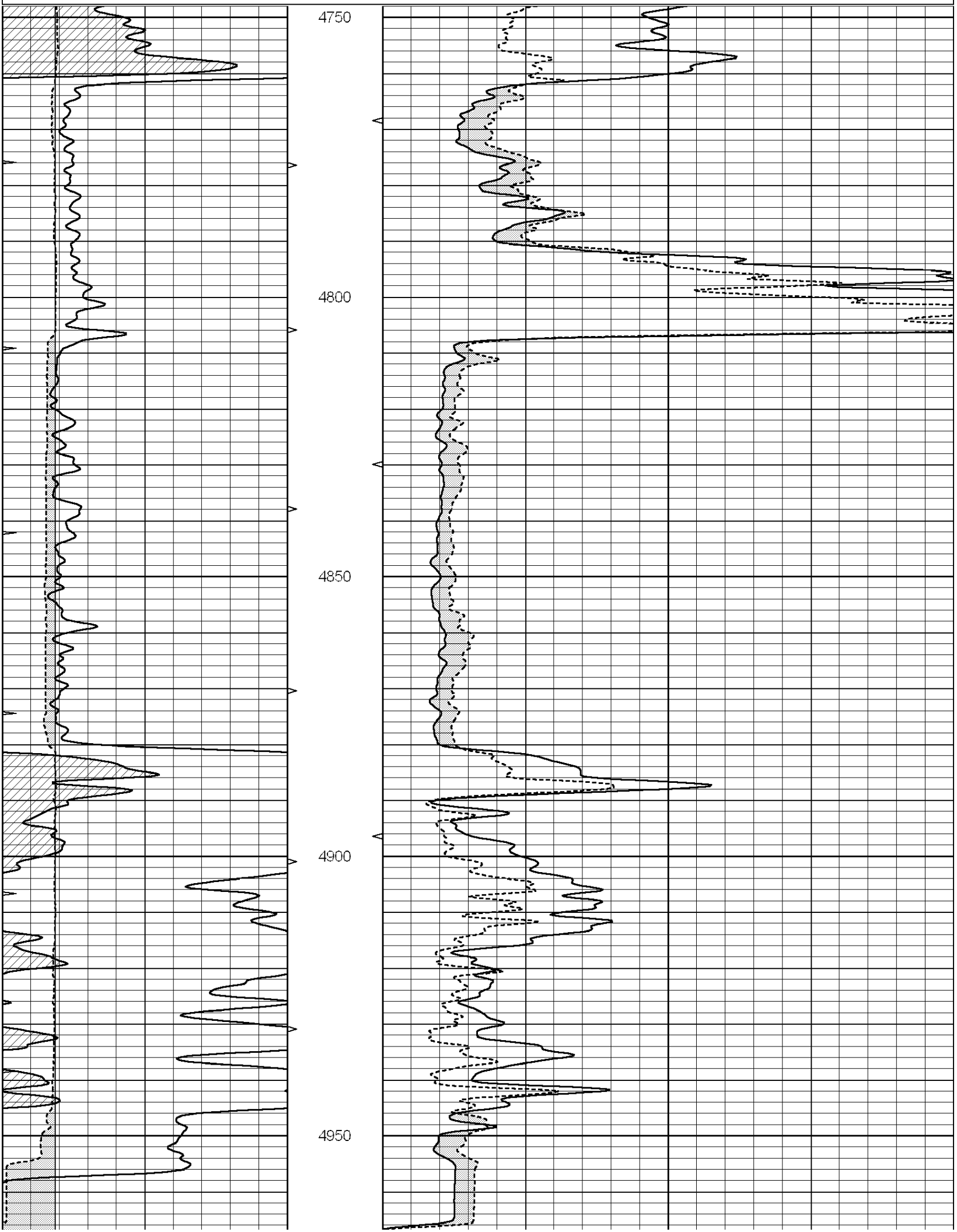
0	MINMK	20

0	MEL1.5 (Ohm-m)	20
0	MEL2.0 (Ohm-m)	20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4950

0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	20
0	MEL2.0 (Ohm-m)	20

Calibration Report

Database File: 001224pdn.db
Dataset Pathname: pass5.A
Dataset Creation: Wed Jan 04 14:11:04 2012

MICRO Calibration Report

Serial Number: Micro1
Tool Model: ProbeL
Performed: Wed Jan 04 13:16:35 2012

Caliper Calibration: Gain=3.203 Offset=-2.593

	Low Cal	High Cal
References	7.800	13.500
Readings	3.245	5.025

1.5" Calibration: Gain=34.000 Offset=-0.300

	Low Cal	High Cal
References	0.000	20.000
Readings	0.003	0.844

2" Calibration: Gain=30.000 Offset=-0.500

	Low Cal	High Cal
References	0.000	20.000
Readings	0.028	0.817

Gamma Ray Calibration Report

Serial Number: GR5
Tool Model: OPEN
Performed: Wed Jan 04 10:16:17 2012

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.6200 GAPI/cps