NABORS COMPLETION & PRODUCTION SERVICES CO.

SONIC LOG

Company	DOWNING-NELSON OIL COMPANY, INC.
Well	HILLMAN-DUBACH #1-31
Field	WILDCAT
County	TREGO
State	KANSAS

Company DOWNING-NELSON OIL COMPANY, INC.

Well HILLMAN-DUBACH #1-31

Field WILDCAT

County TREGO State KANSAS

Location: API # : 15-195-22809-0000
600' FNL & 270' FEL
SE - NE - NE - NE
SEC 31 TWP 12S RGE 21W

Other Services
CDL/CNL
DIL/MEL

Permanent Datum	GROUND LEVEL	Elevation 2275	Elevation
Log Measured From	KELLY BUSHING 8' A.G.L.		K.B. 2283
Drilling Measured From	KELLY BUSHING		D.F. 2281
			G.L. 2275

Date	10/7/12		
Run Number	TWO		
Depth Driller	4048		
Depth Logger	4048		
Bottom Logged Interval	4038		
Top Log Interval	200		
Casing Driller	8 5/8" @ 219		
Casing Logger	217		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1000 PPM	
Density / Viscosity	9.0/53		
pH / Fluid Loss	10.0/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.0 @ 55F		
Rmf @ Meas. Temp	.75 @ 55F		
Rmc @ Meas. Temp	1.20 @ 55F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.47 @ 117F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	117F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	AL DOWNING		

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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

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
HWY 40 & RIGA ELEVATOR - 1 W. - 1 1/4 N. - 1 W. - S. INTO

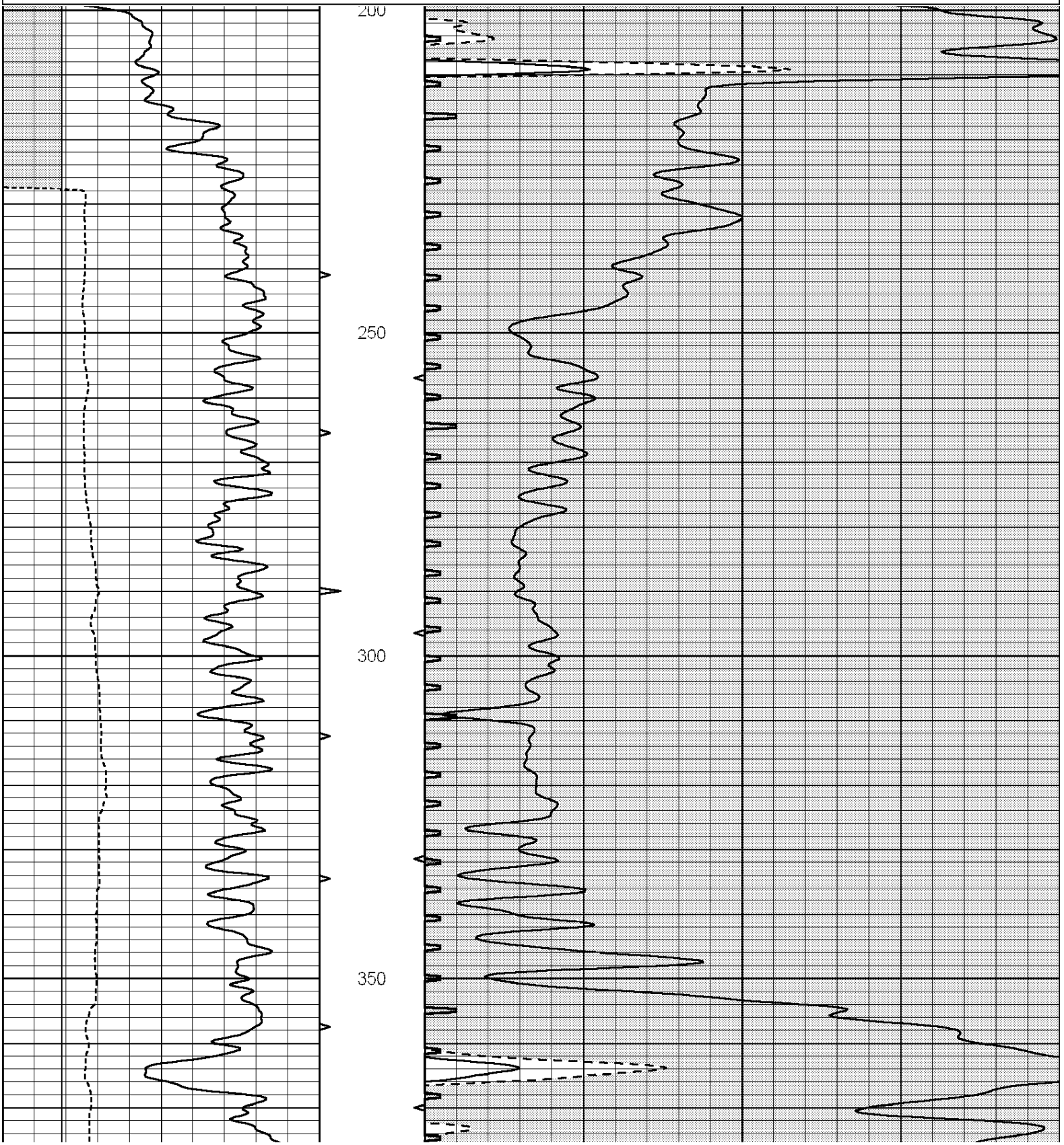
NABORS COMPLETION & PRODUCTION SERVICES CO.

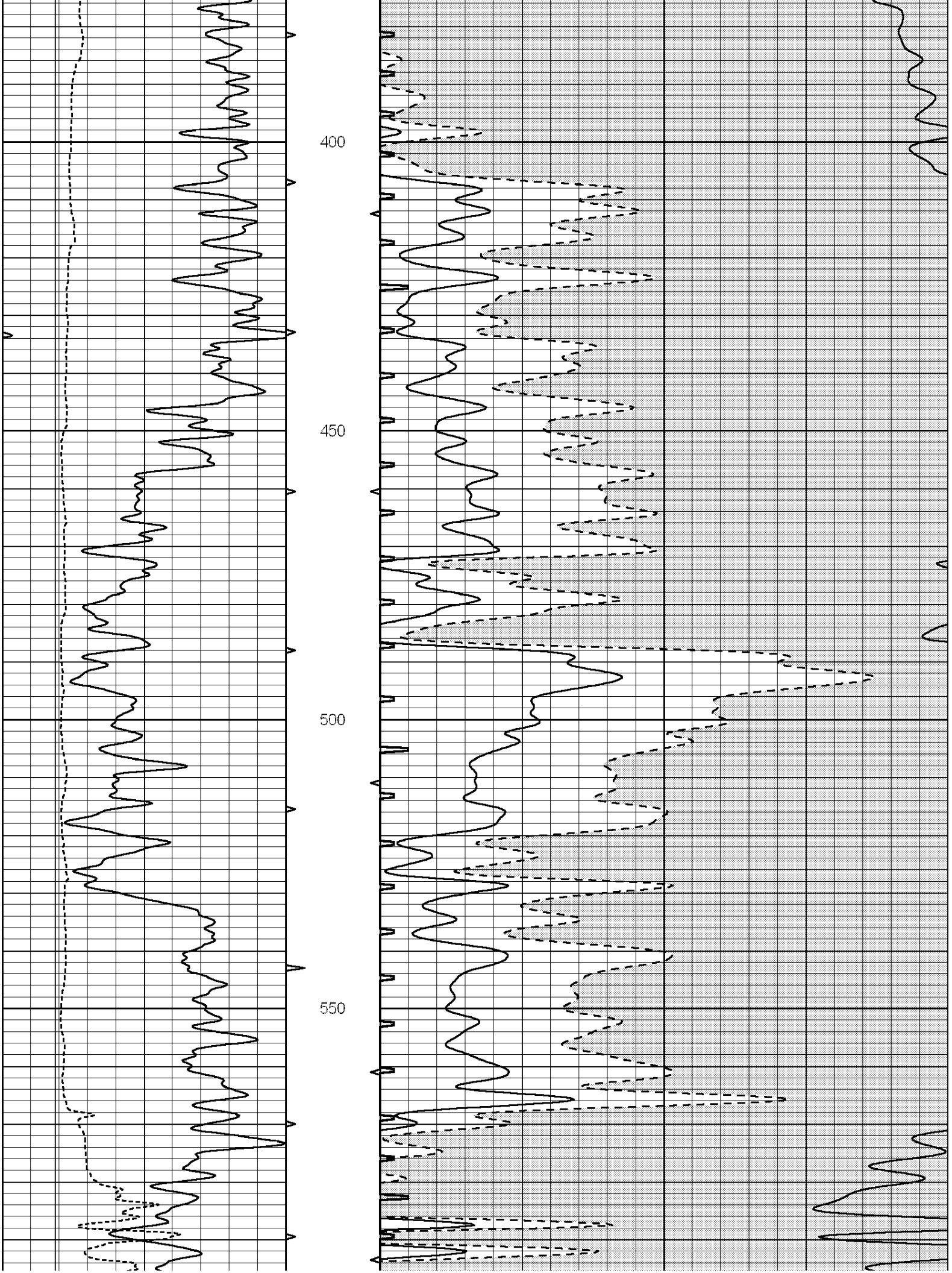
MAIN SECTION

SERVICES CO.

Database File: 009744ddn.db
Dataset Pathname: pass7.2
Presentation Format: _slt
Dataset Creation: Sun Oct 07 10:36:32 2012 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0 GAMMA RAY (GAPI) 150	ABHV	140 DELTA TIME (usec/ft) 40
6 CALIPER (in) 16	10 (ft3) 0	30 SONIC POROSITY (pu) -10
	TBHV	0 ITT (msec) 20
	0 (ft3) 10	

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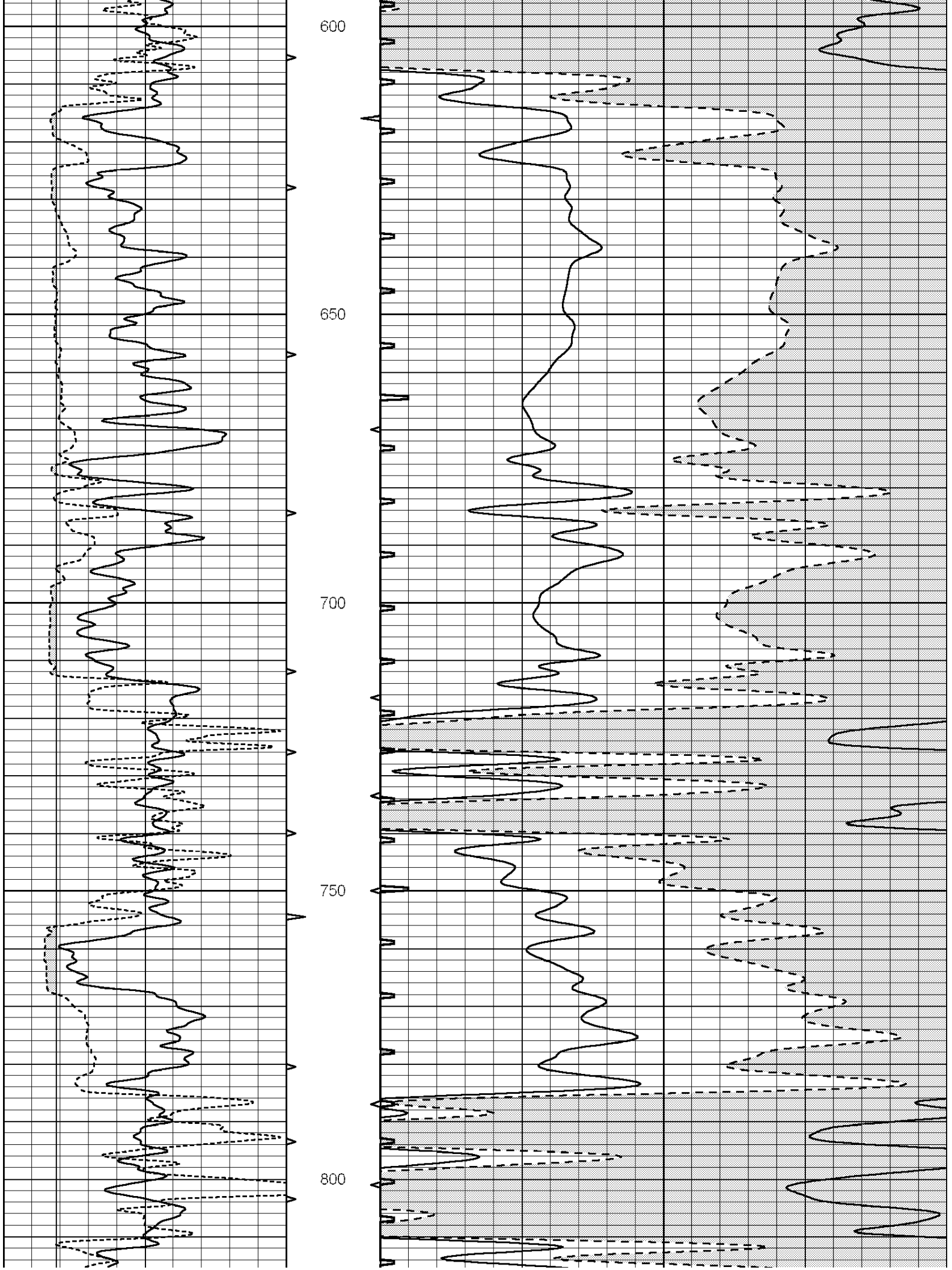
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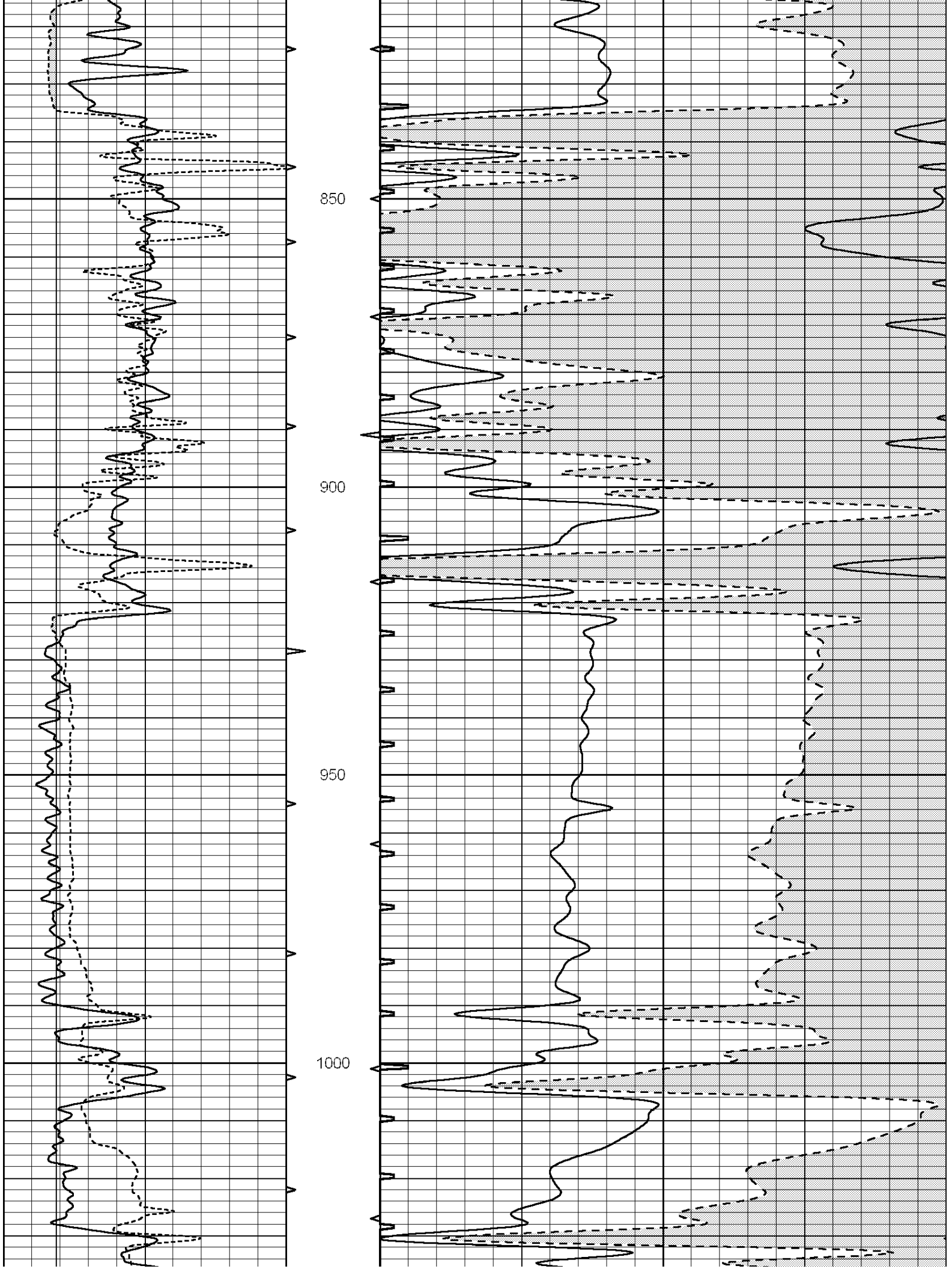
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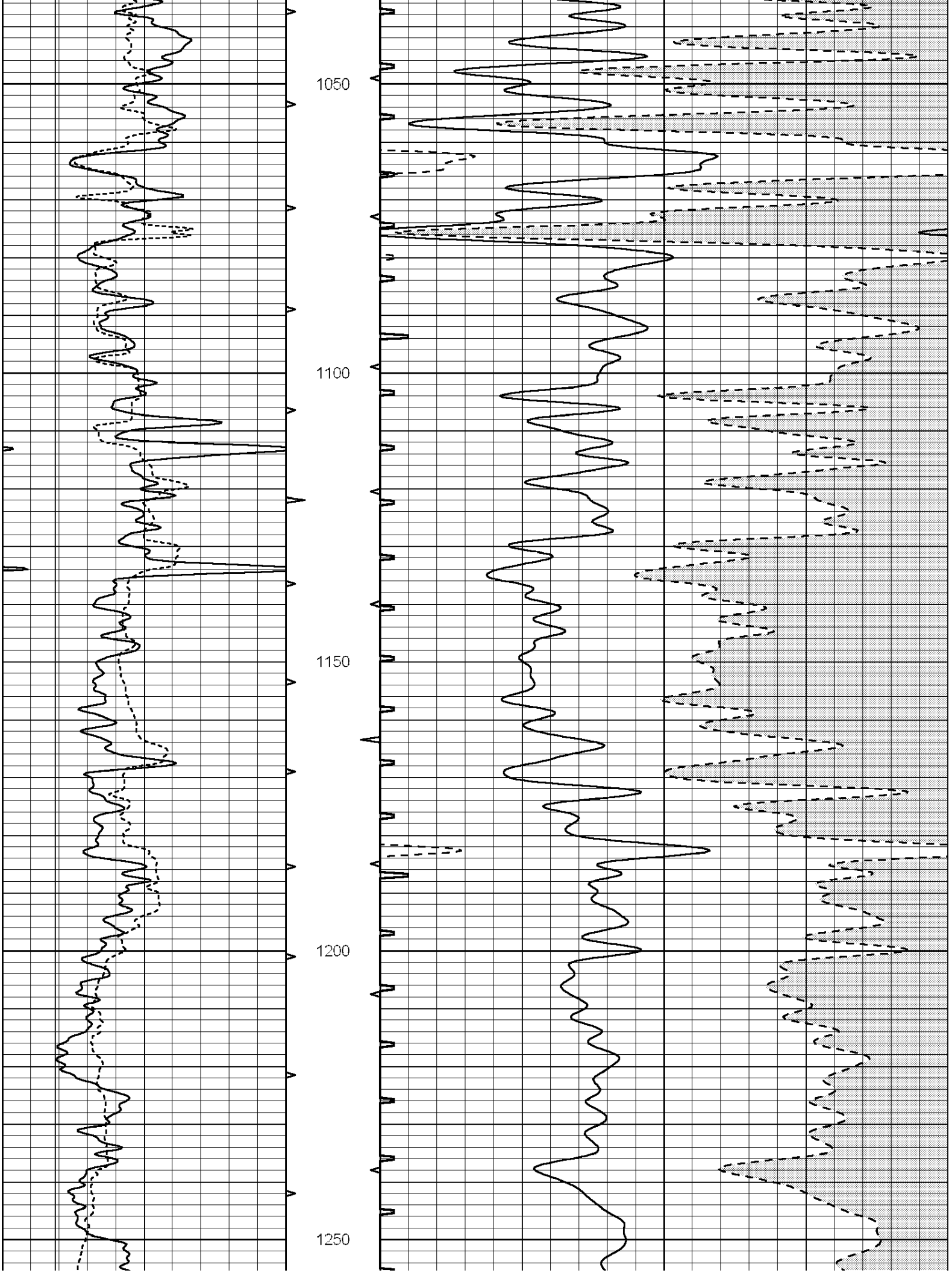
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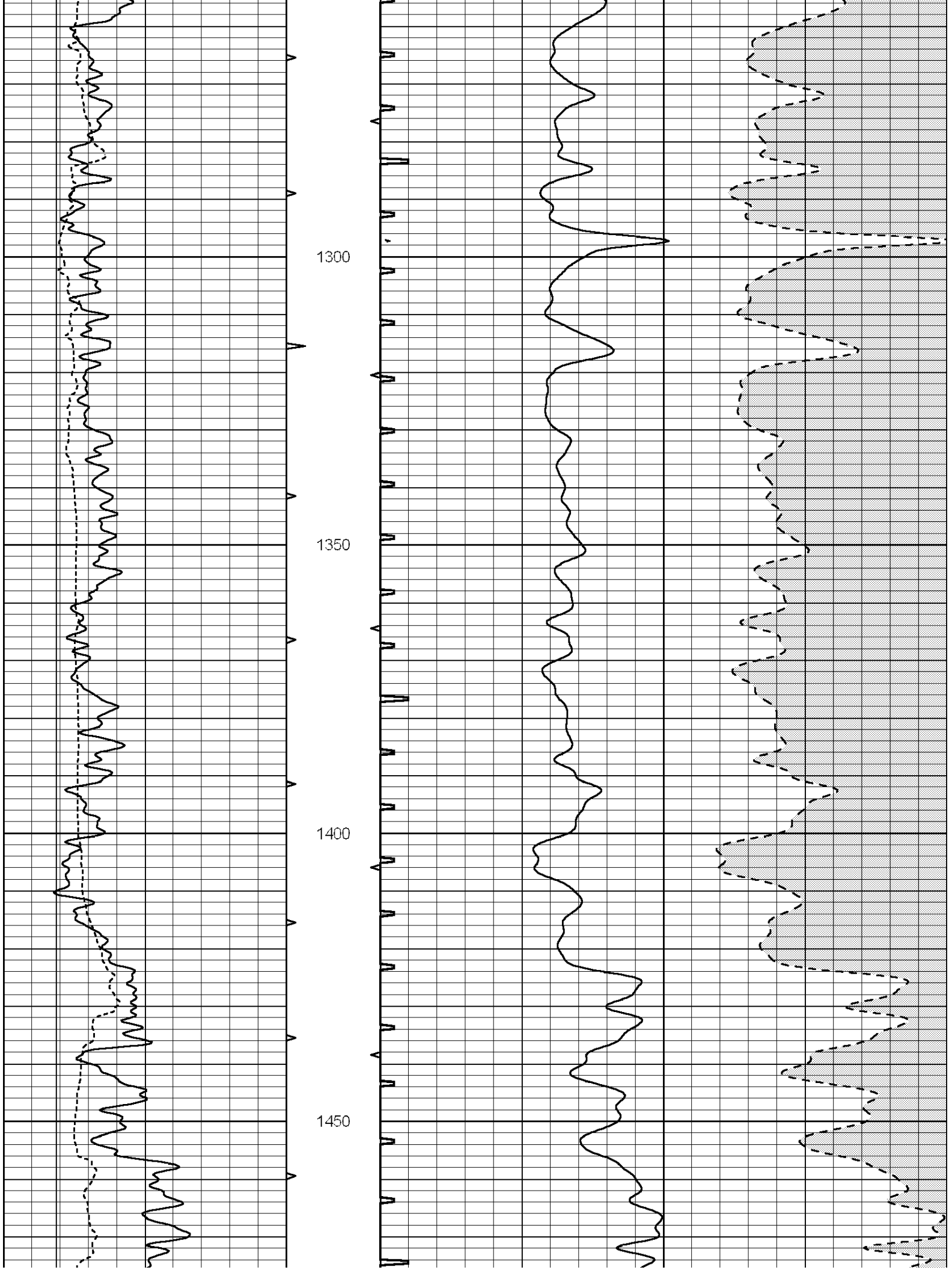
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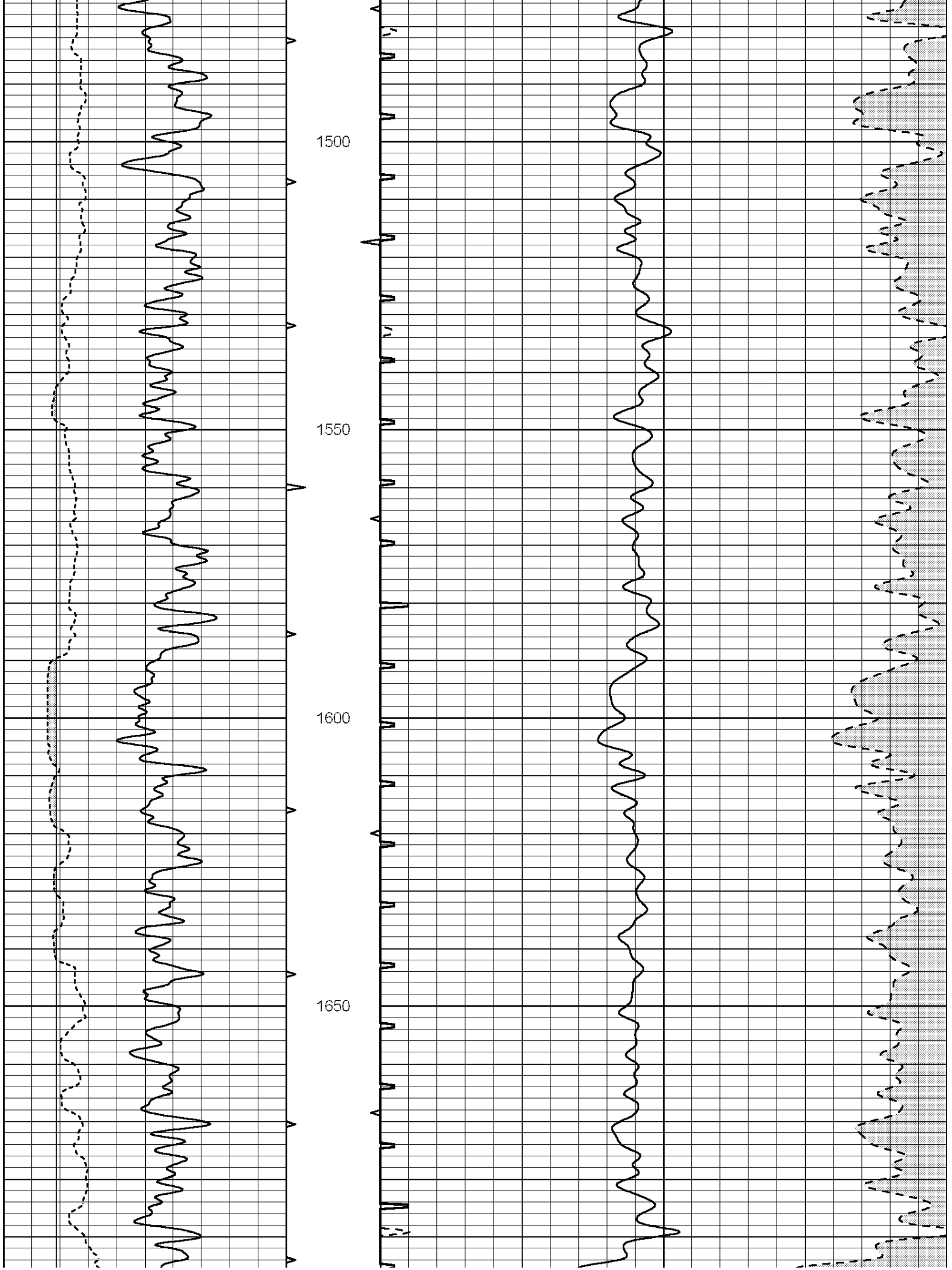
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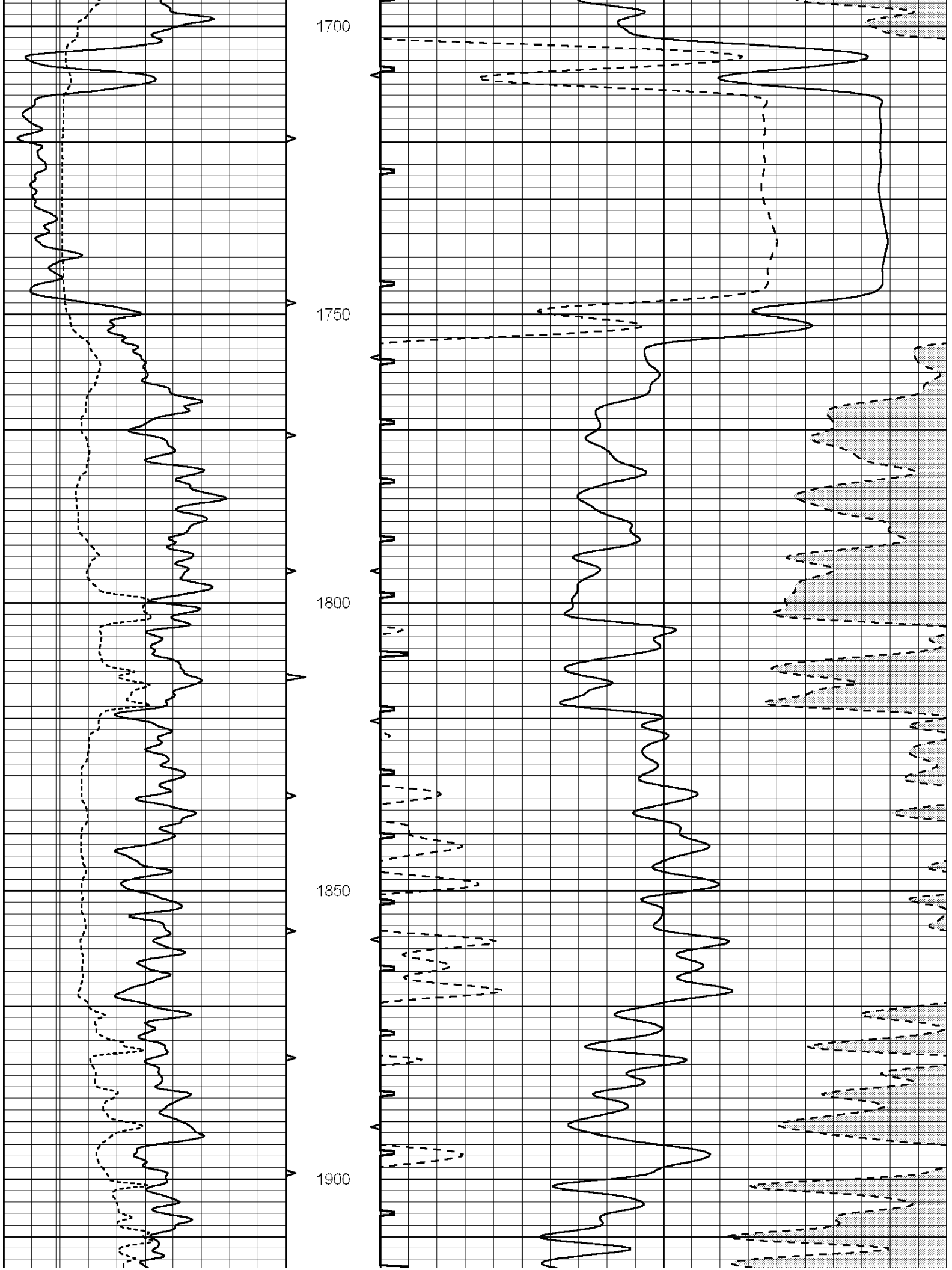
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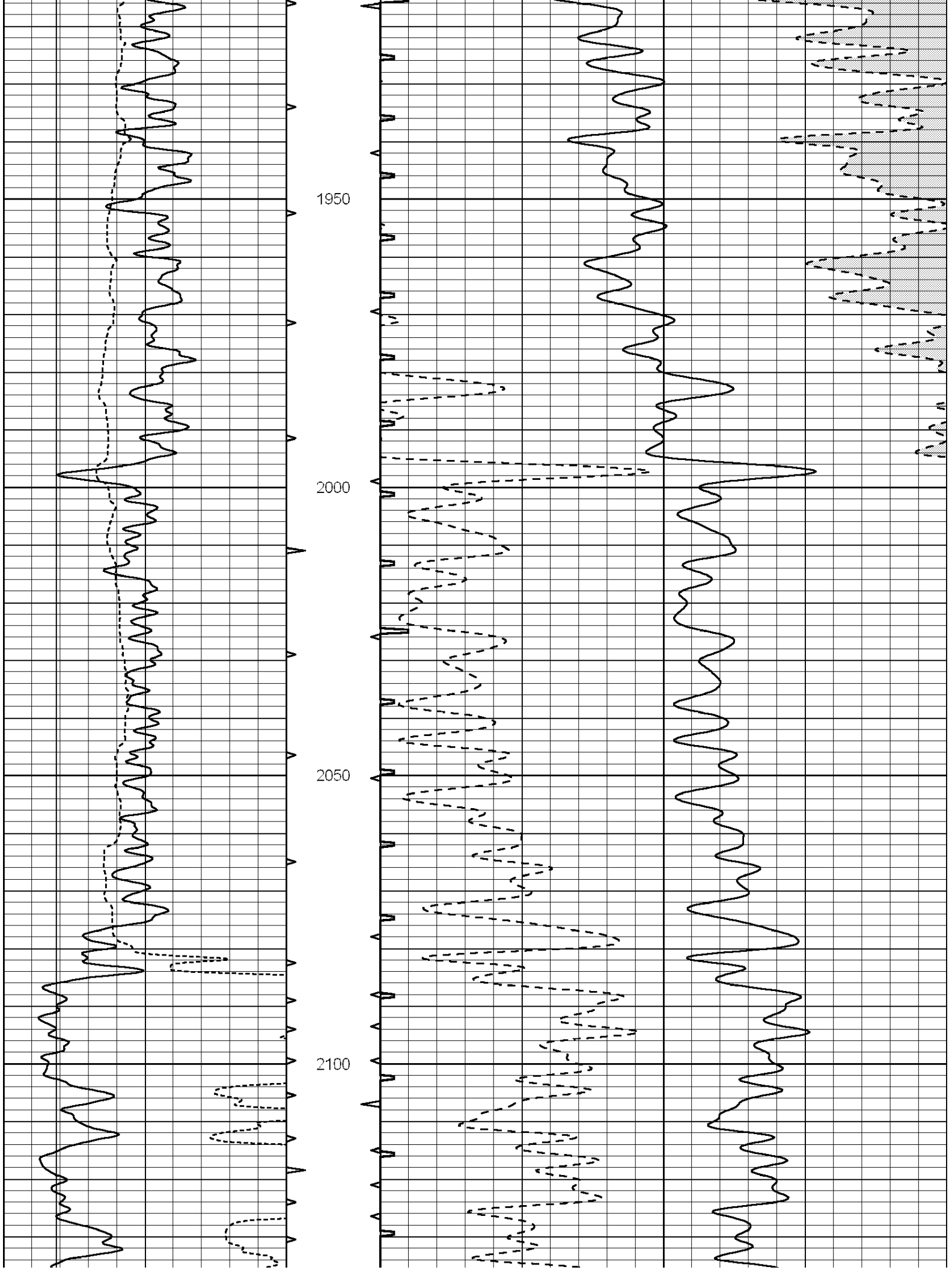
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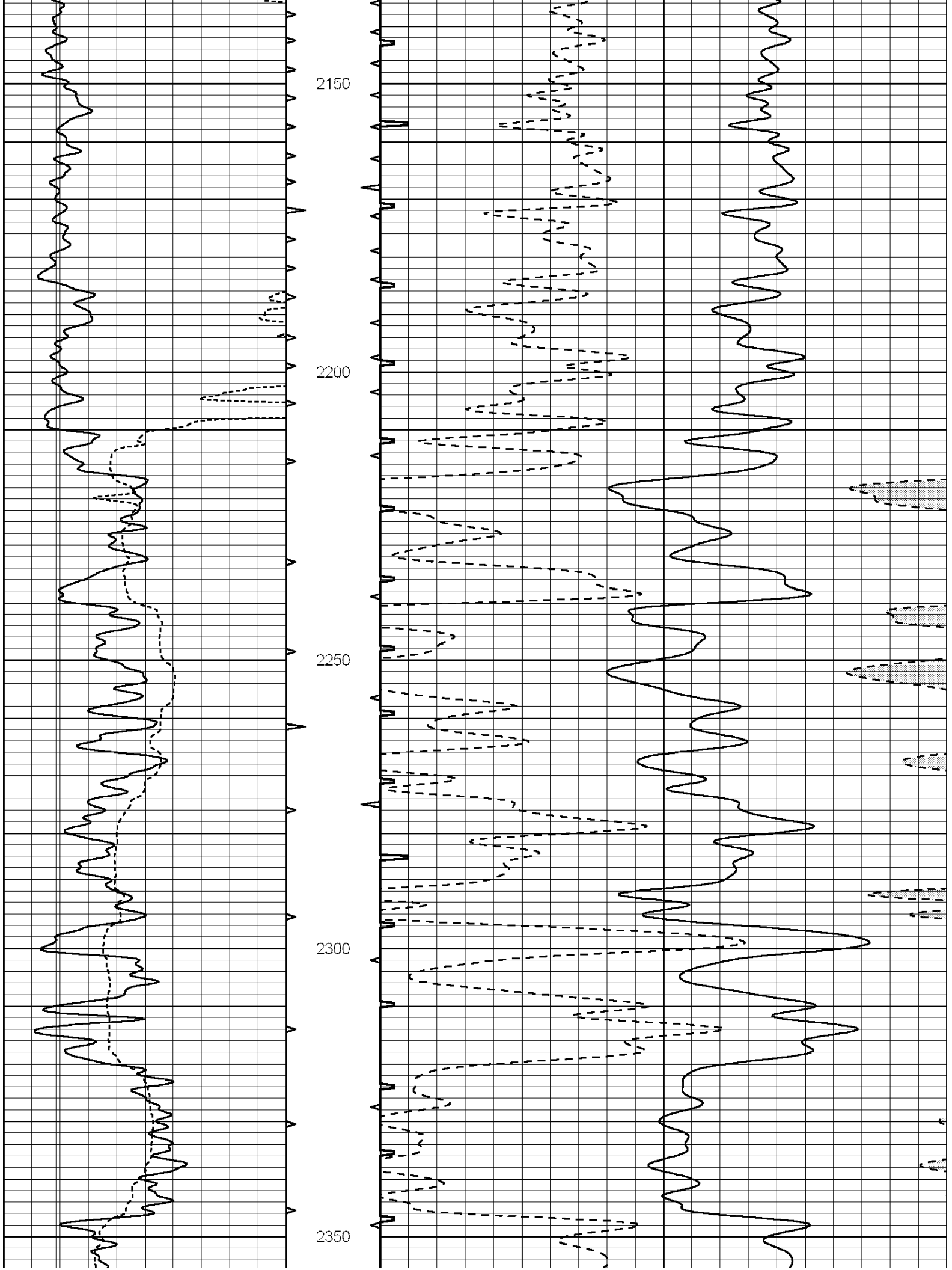
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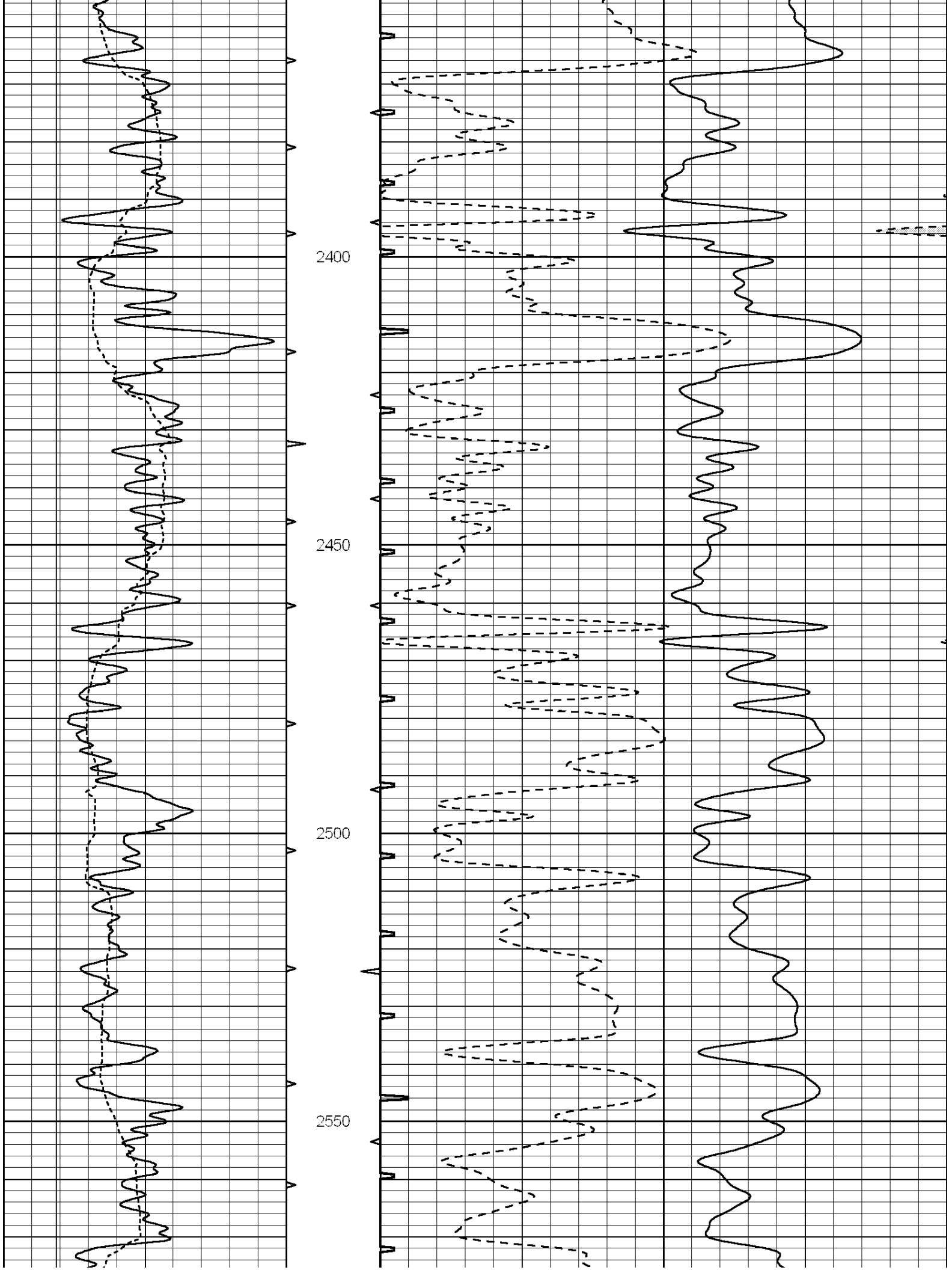
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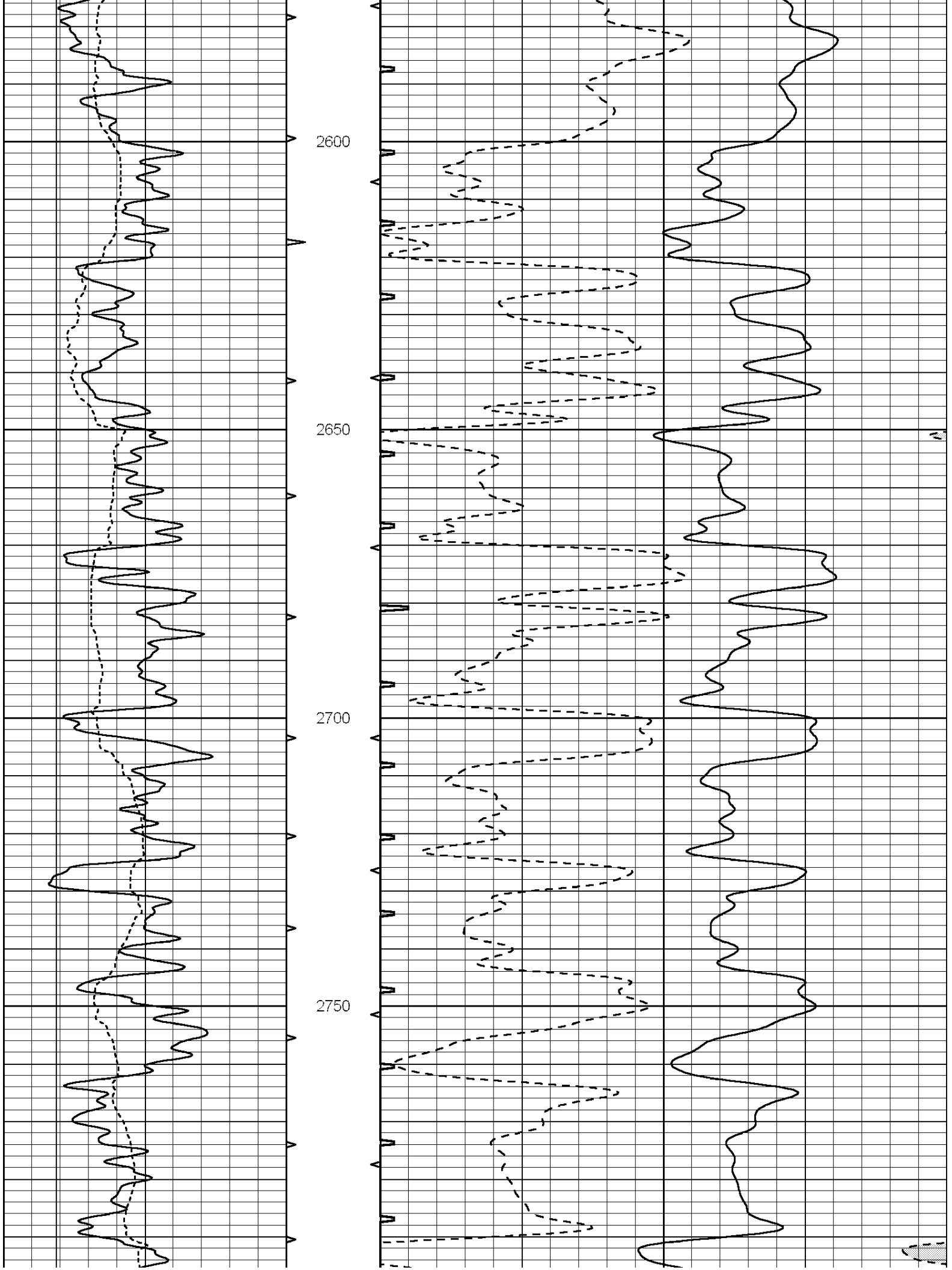
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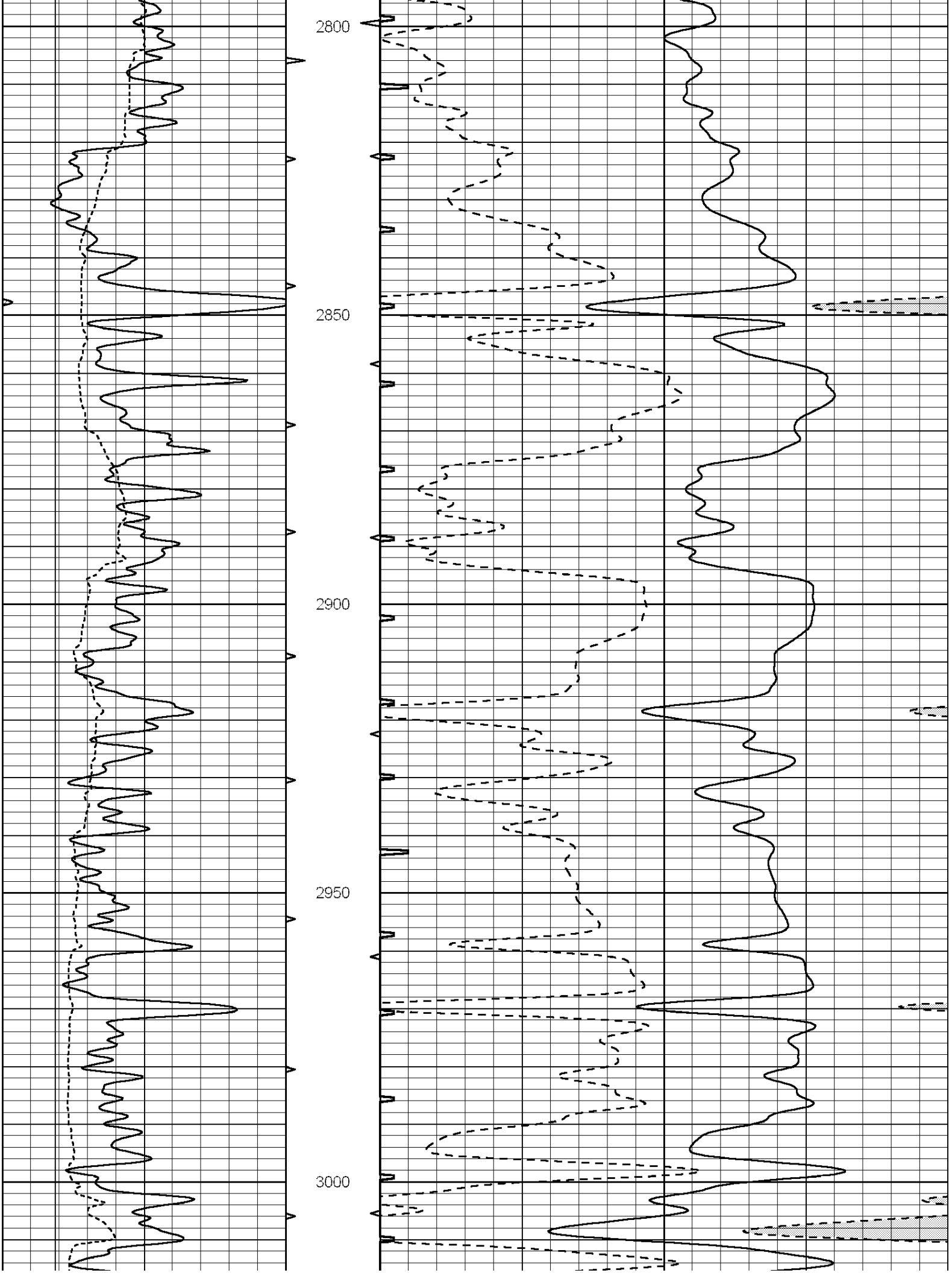
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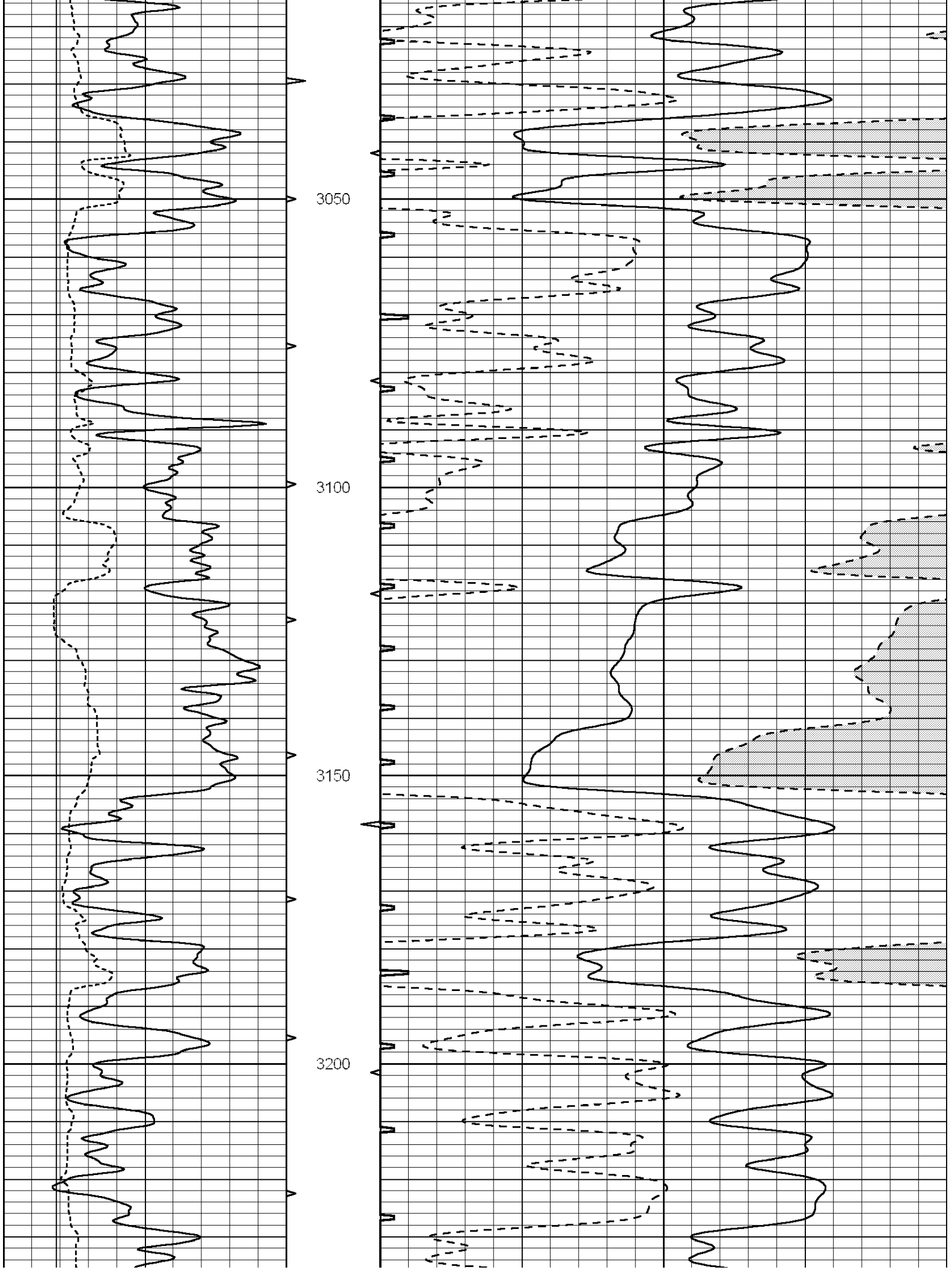
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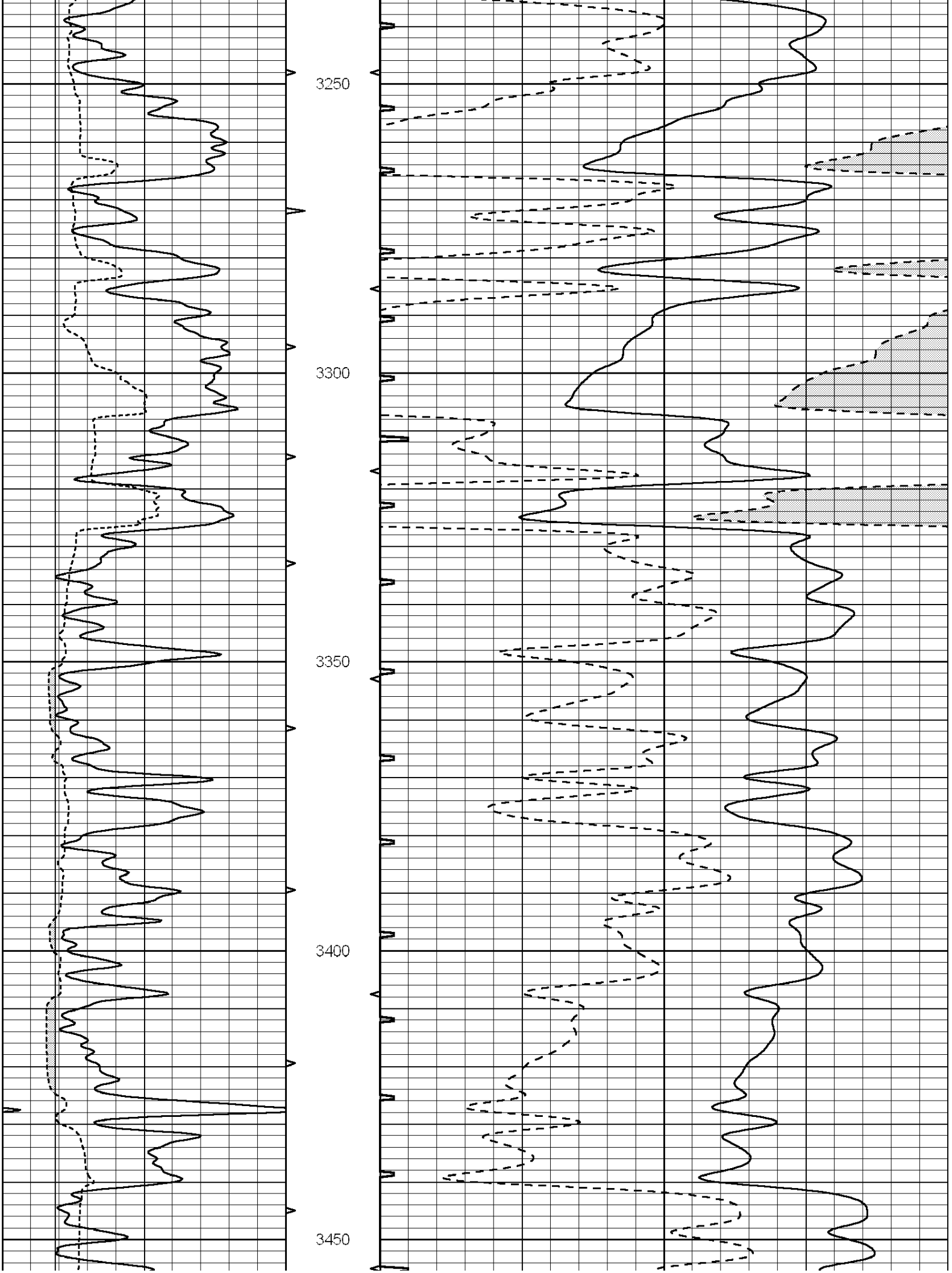
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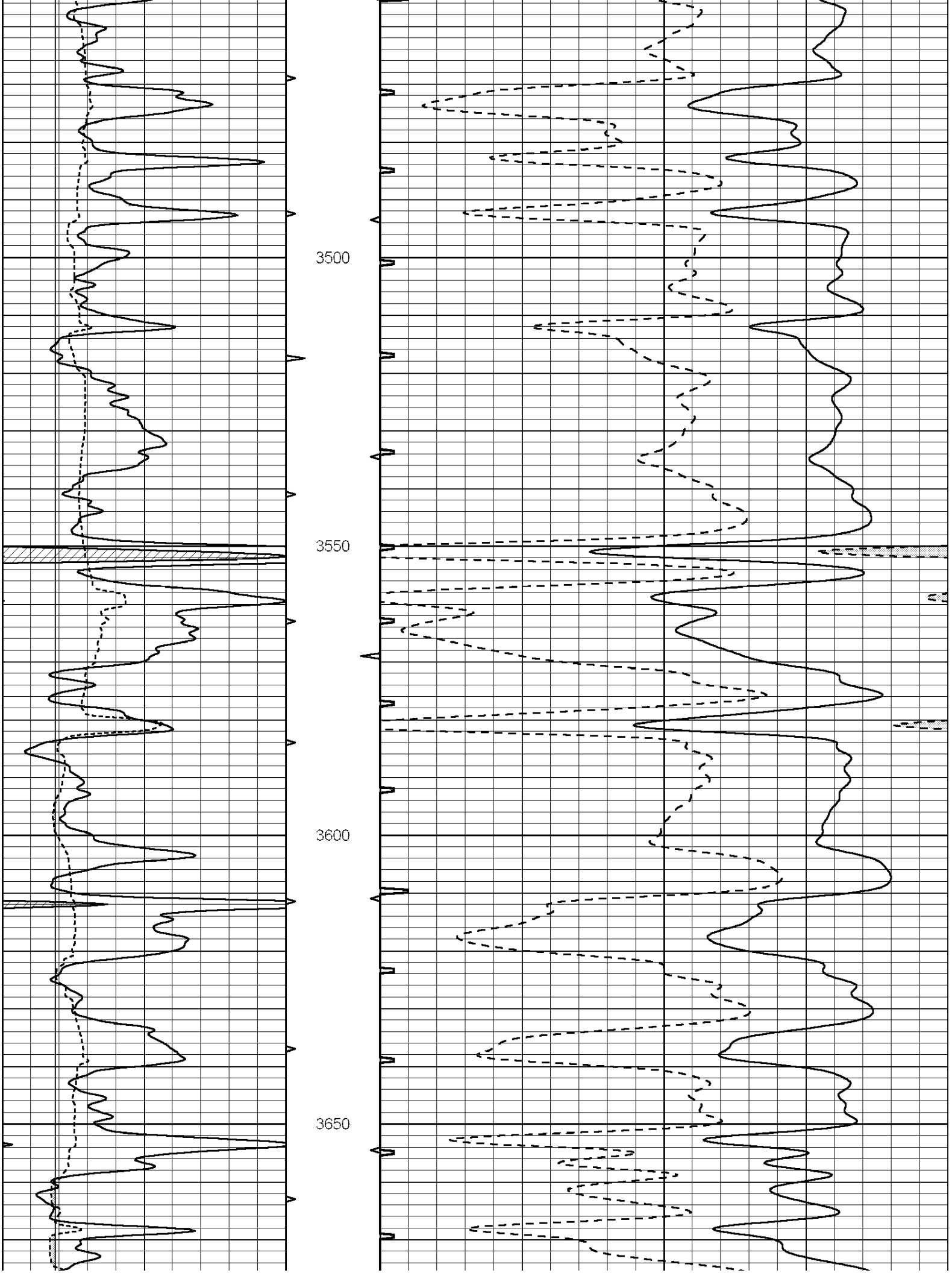
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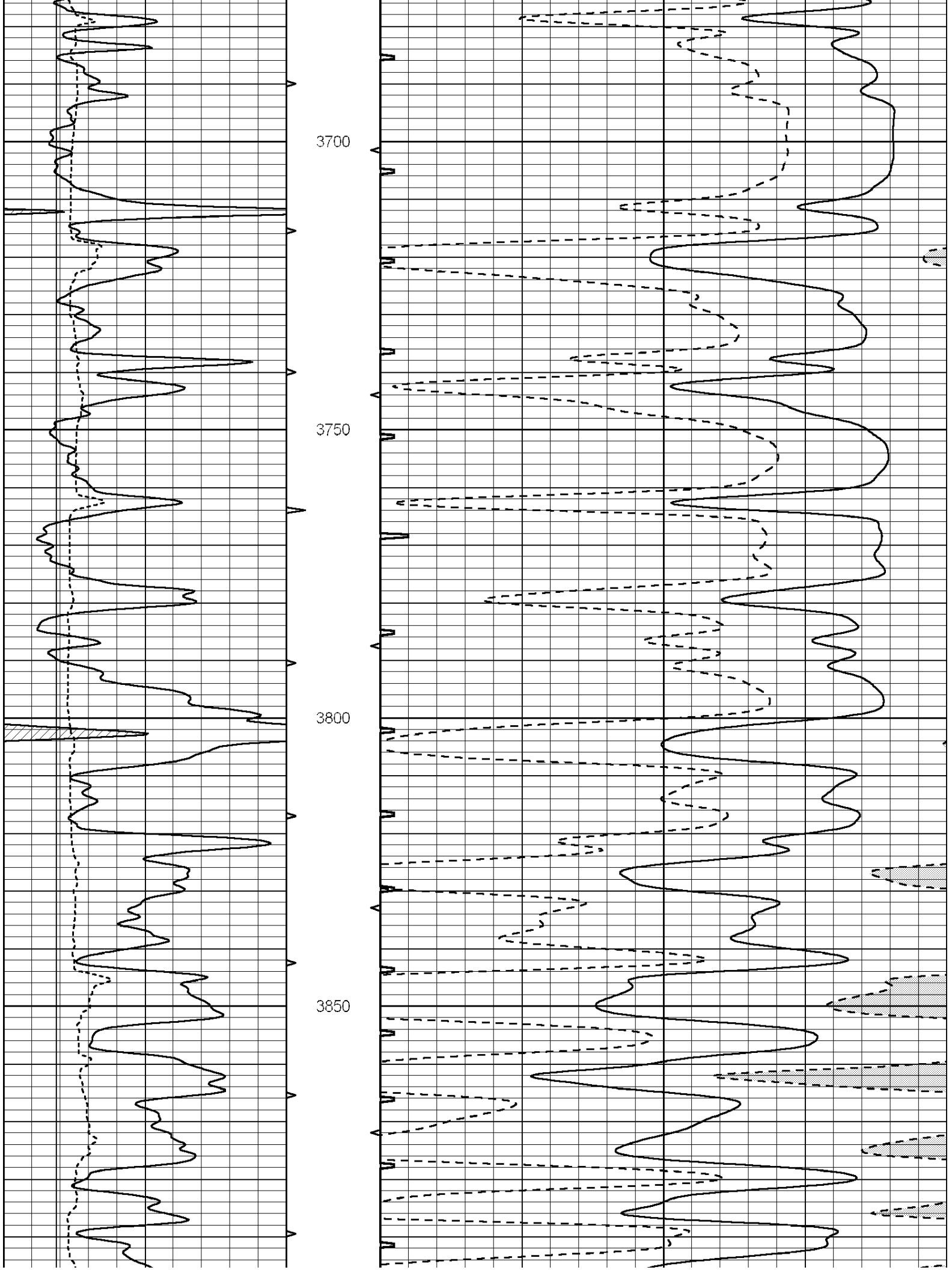
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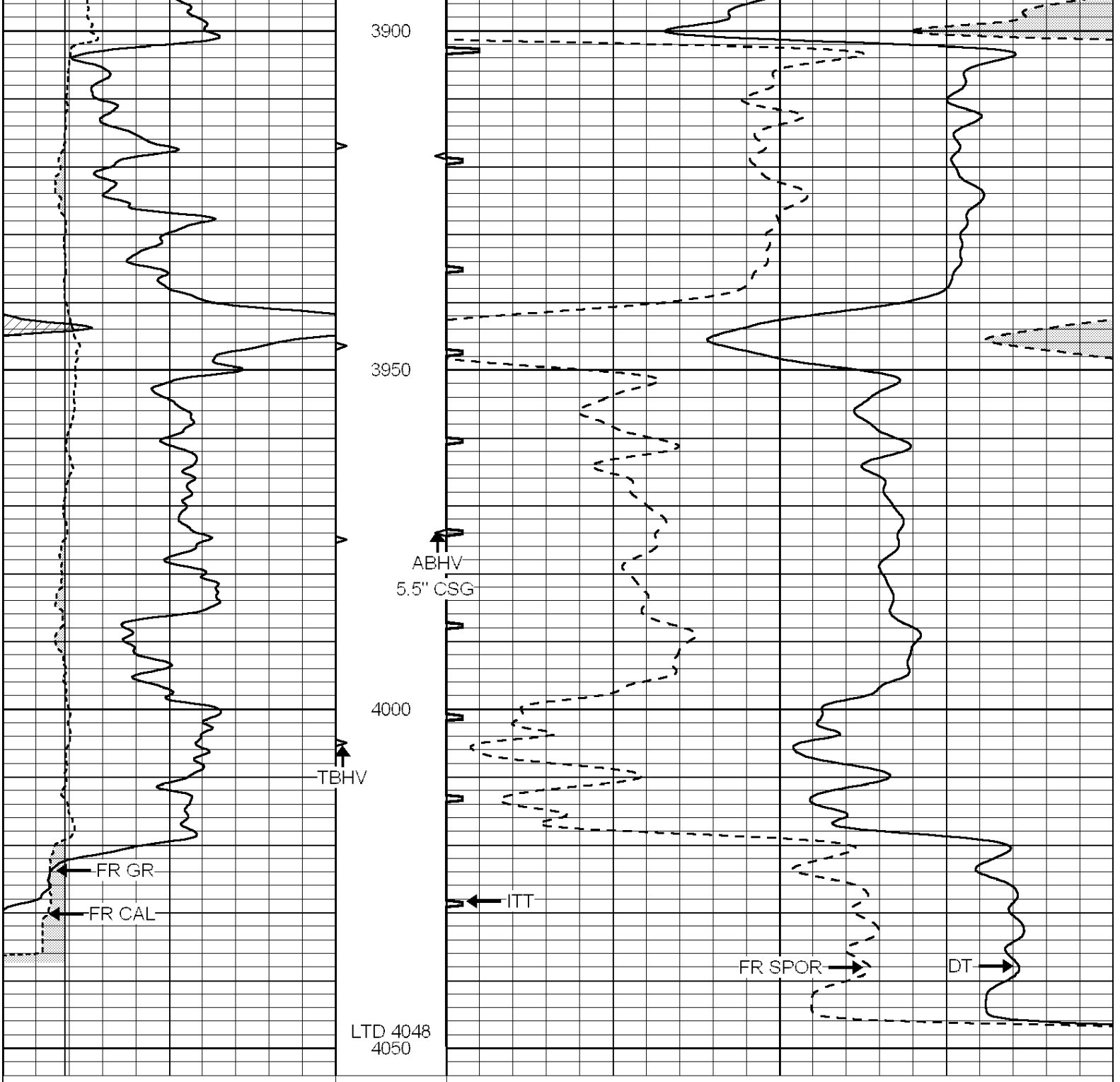


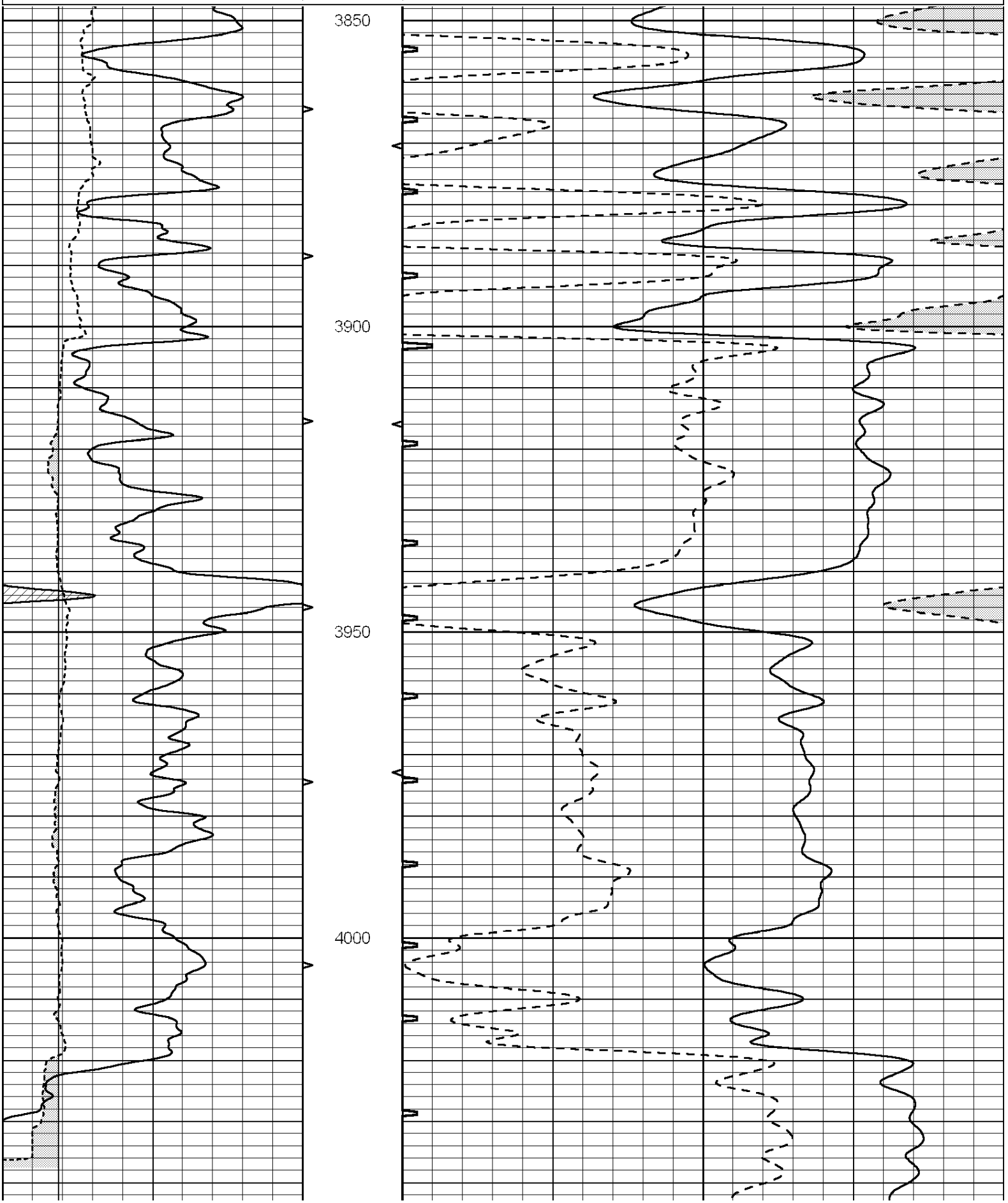
NABORS
COMPLETION & PRODUCTION SERVICES CO.

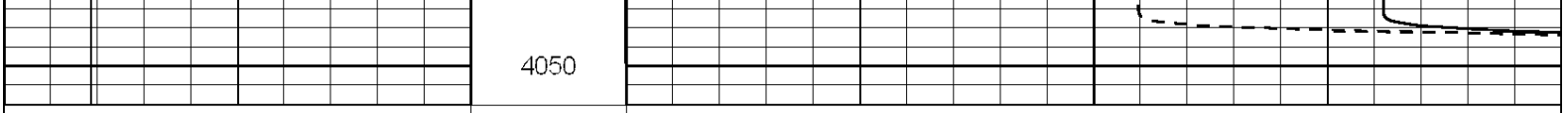
REPEAT SECTION

Database File:	009744ddn.db
Dataset Pathname:	pass6.1
Presentation Format:	_slt
Dataset Creation:	Sun Oct 07 09:29:00 2012 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft) 40
6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu) -10
			TBHV	0	ITT (msec) 20
			0 (ft3) 10		





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0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft) 40
6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu) -10
			TBHV	0	ITT (msec) 20
			0 (ft3) 10		