SONIC LOG

Company H & D EXPLORATION, LLC.
Well FARRIS #1
Field WILDCAT
County STAFFORD State KANSAS

Location: API # : 15-185-24045-0000
938' FSL & 1743' FEL
SW - NE - SW - SE
SEC 5 TWP 25S RGE 12W

Permanent Datum GROUND LEVEL Elevation 1892
Log Measured From KELLY BUSHING 9' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL
DIL/MEL

Elevation
K.B. 1901
D.F. 1899
G.L. 1892

Date	11/21/19		
Run Number	TWO		
Depth Driller	4230		
Depth Logger	4231		
Bottom Logged Interval	4223		
Top Log Interval	300		
Casing Driller	8 5/8"@348'		
Casing Logger	348		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 10,200 PPM	
Density / Viscosity	9.9/41		
pH / Fluid Loss	8.0/16.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.415@60F		
Rmf @ Meas. Temp	.311@60F		
Rmc @ Meas. Temp	.498@60F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.211@118F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	12:30 P.M.		
Maximum Recorded Temperature	118F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JIM MUSGROVE		

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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.

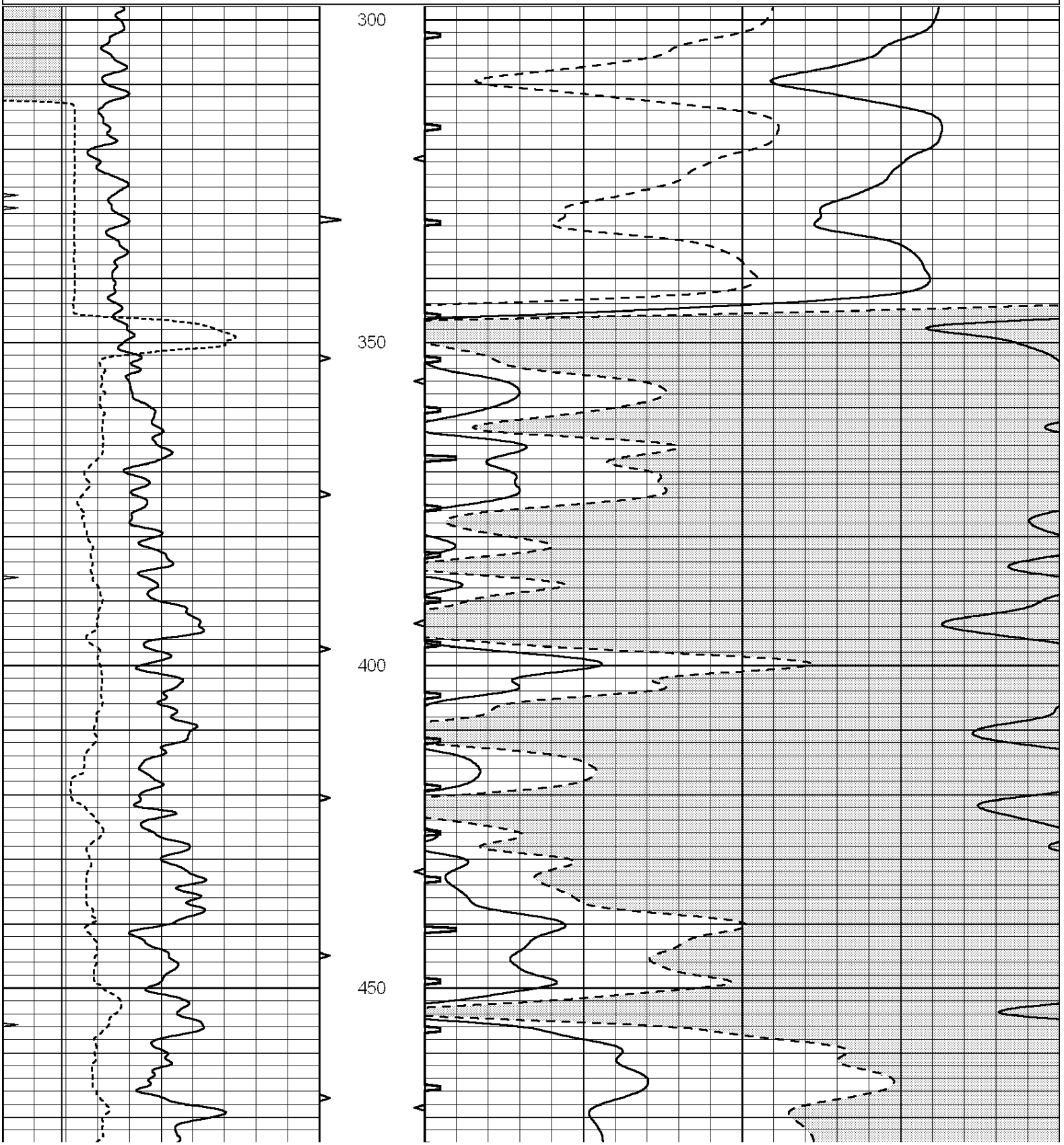
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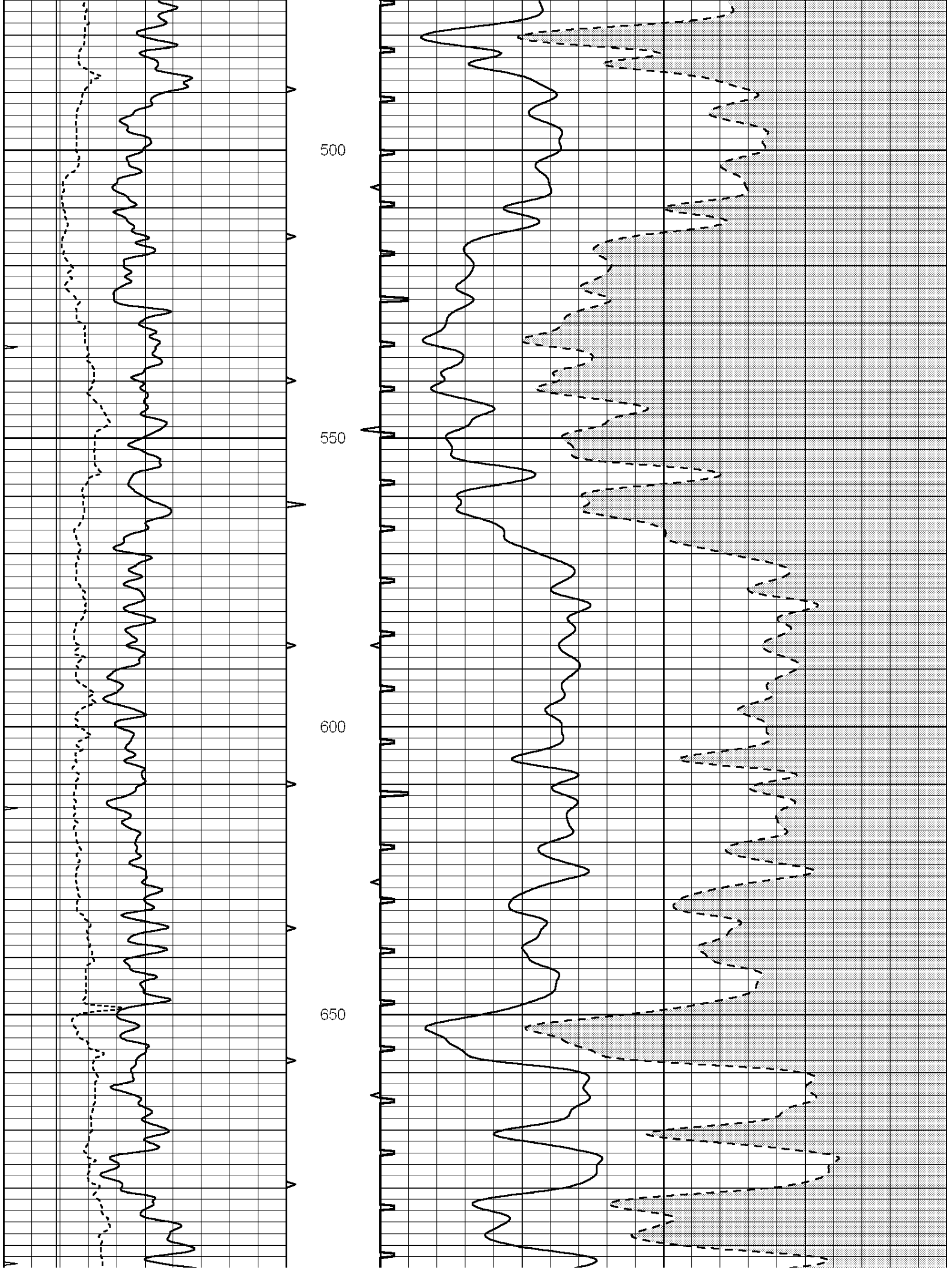
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
STAFFORD, KS., 4S., 3W., 1/2N., W. INTO

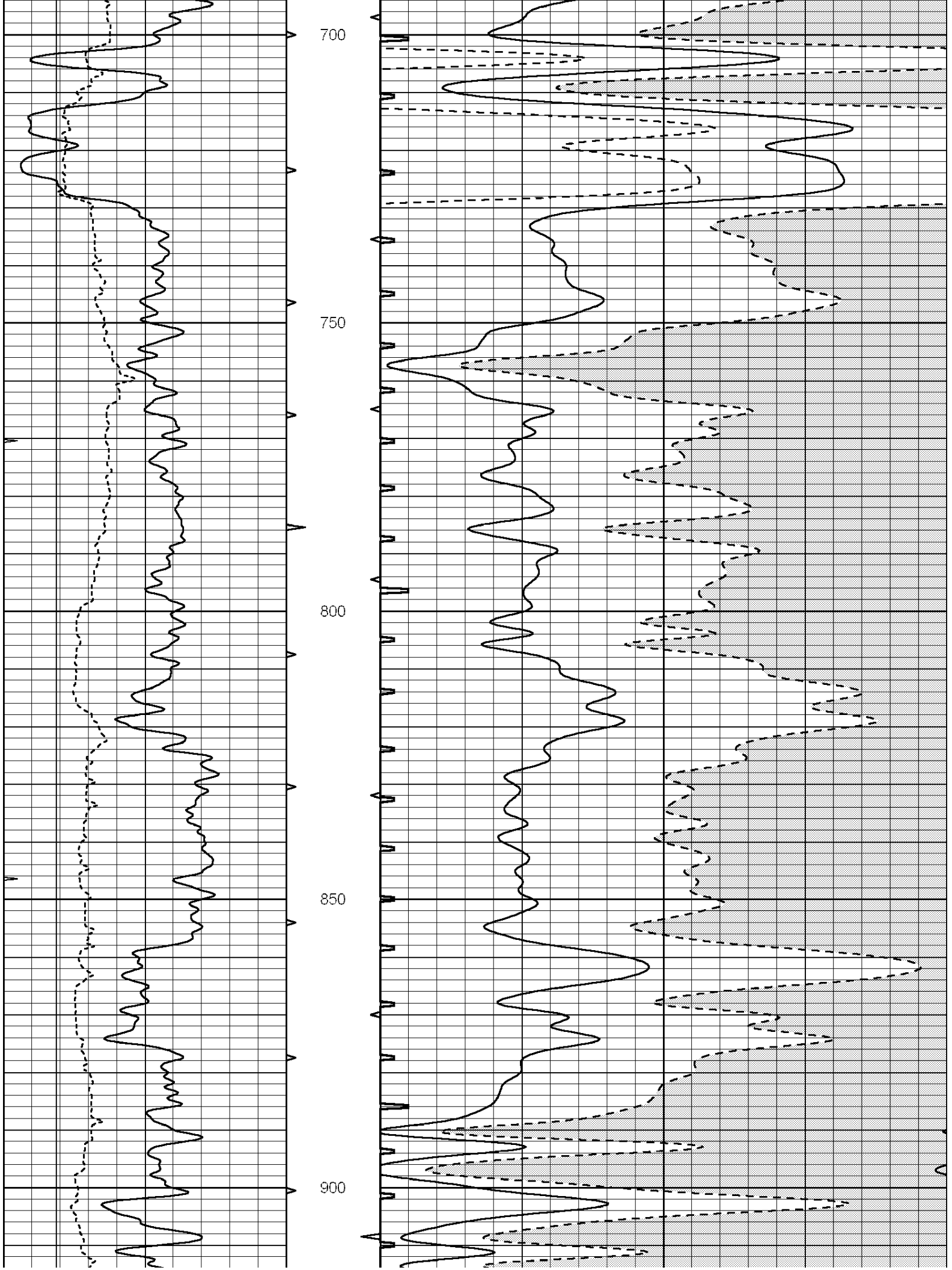
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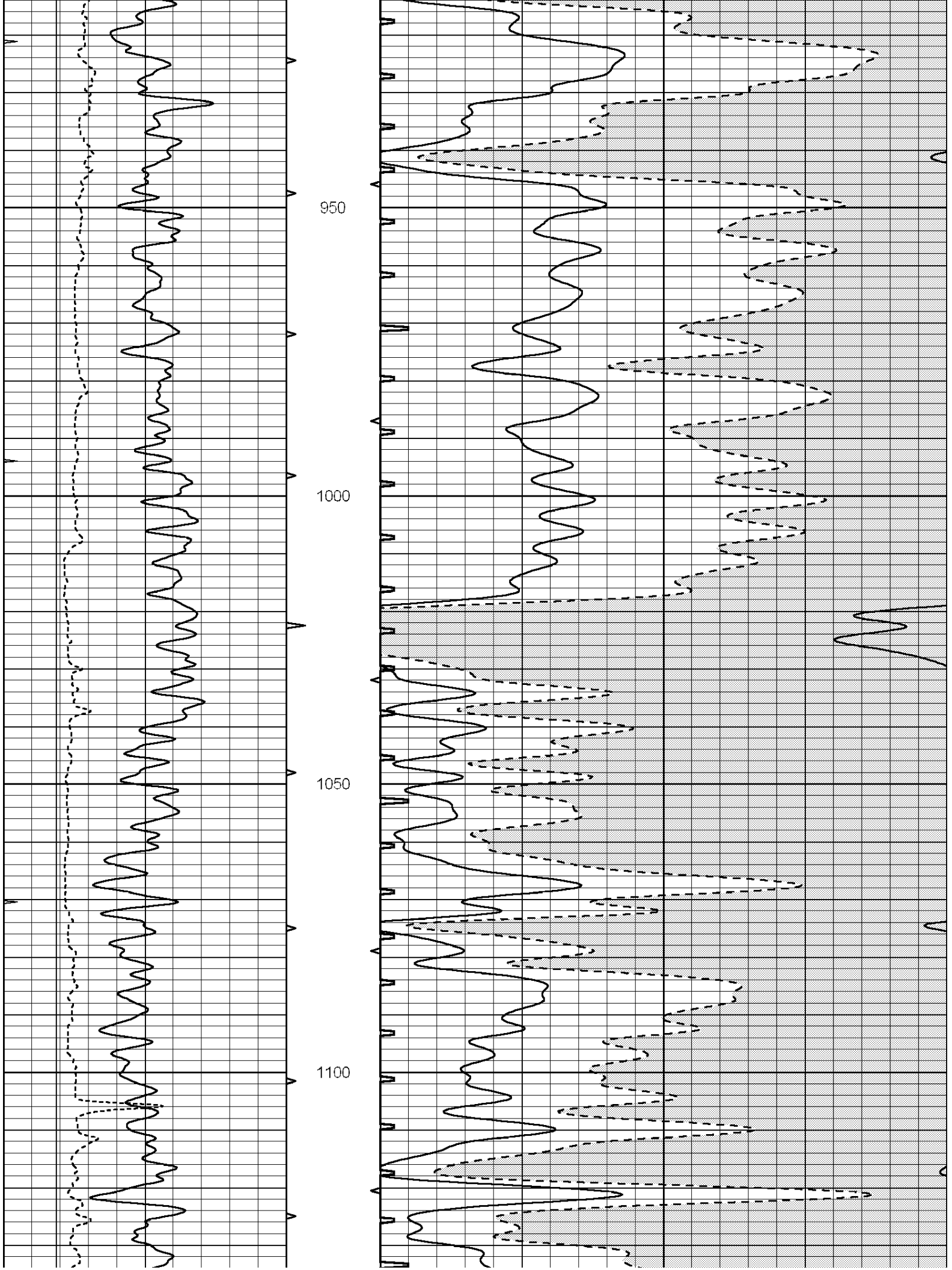
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Presentation Format:	slt
Dataset Creation:	Thu Nov 21 13:31:04 2019
Charted by:	Depth in Feet scaled 1:240

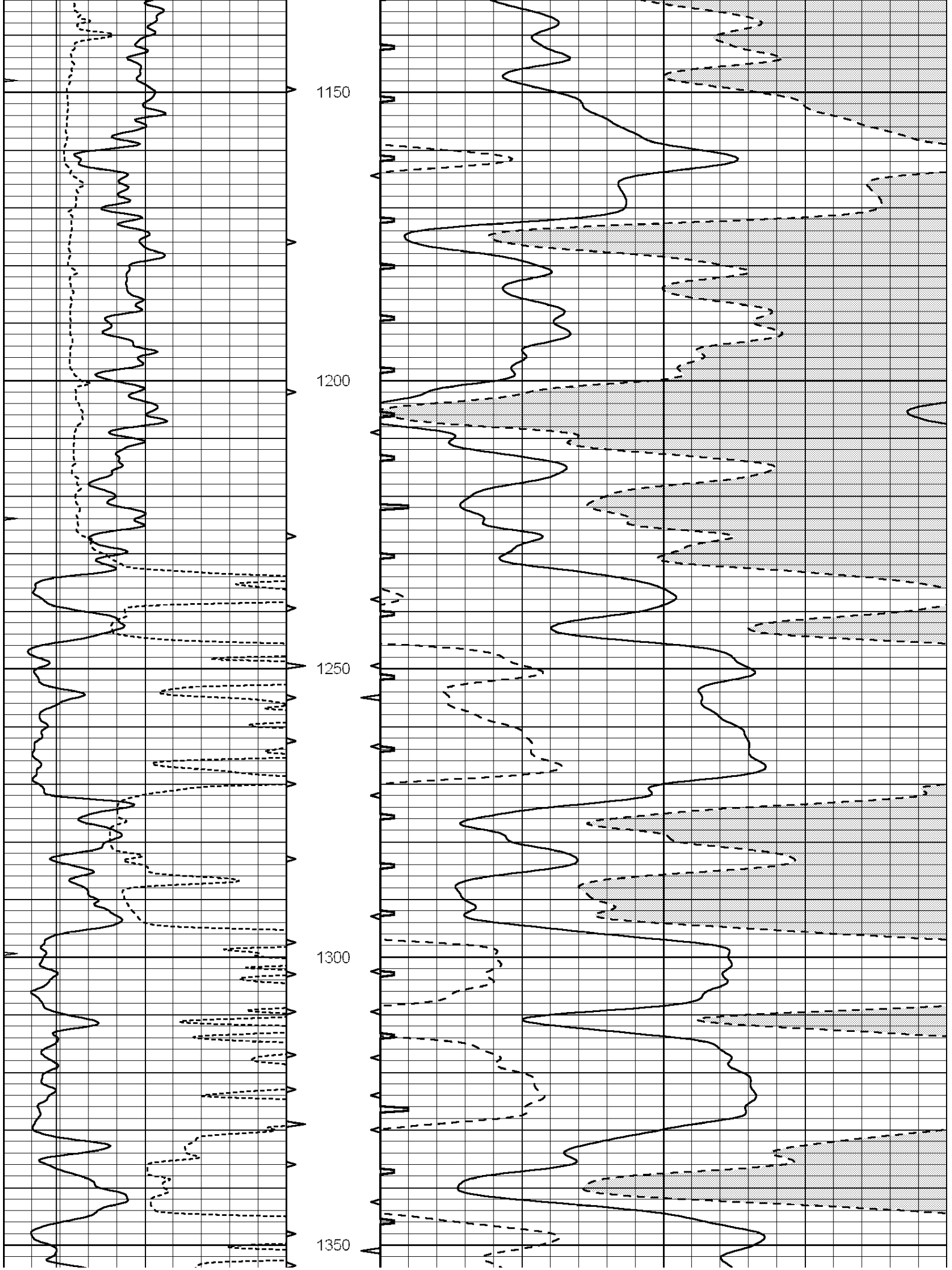
0 GAMMA RAY (GAPI) 150	ABHV	140 DELTA TIME (usec/ft) 40
6 CALIPER (in) 16	10 (ft3) 0	30 SONIC POROSITY (pu) -10
0 MINMK 20	TBHV	0 ITT (msec) 20
	0 (ft3) 10	

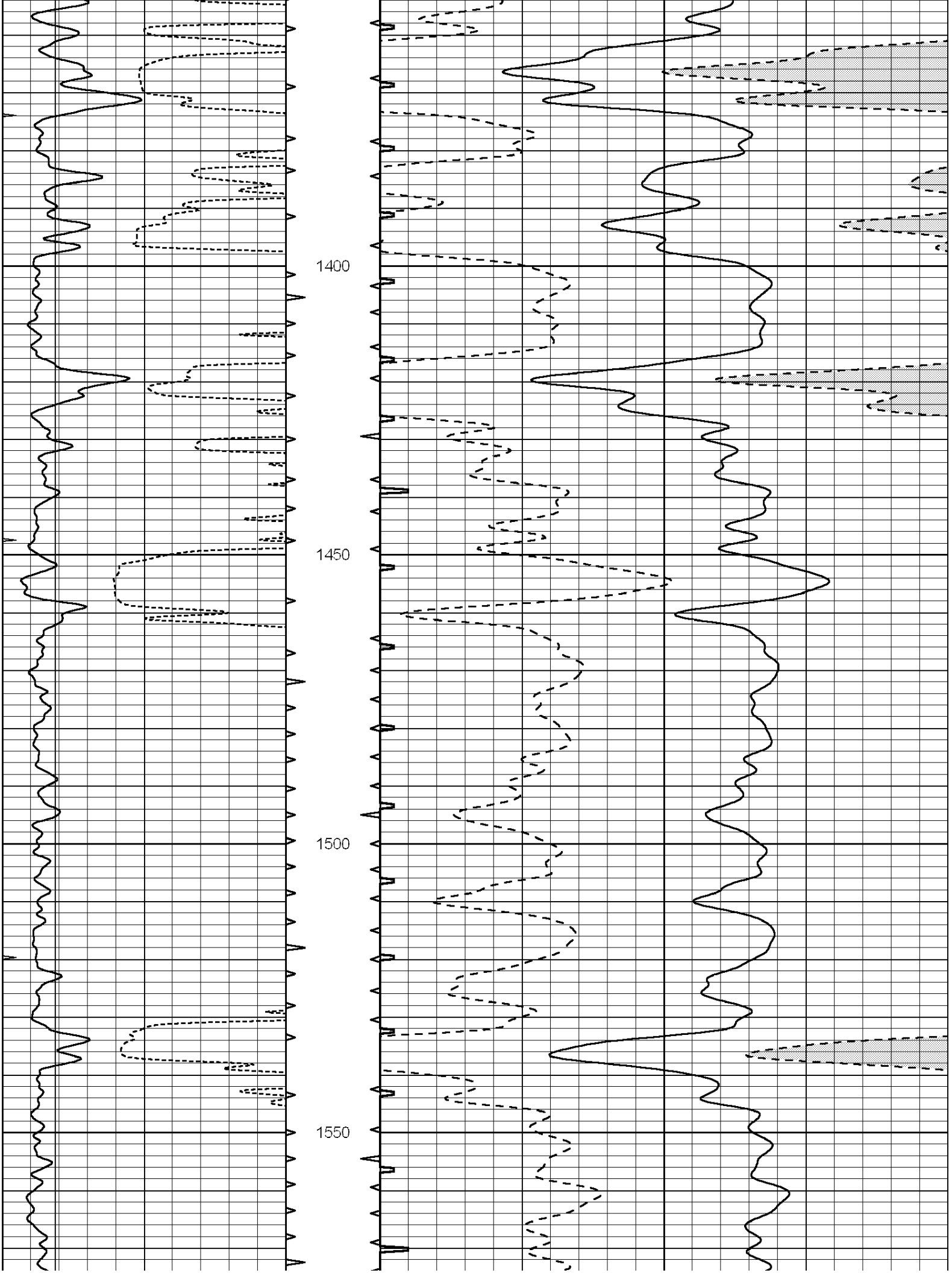


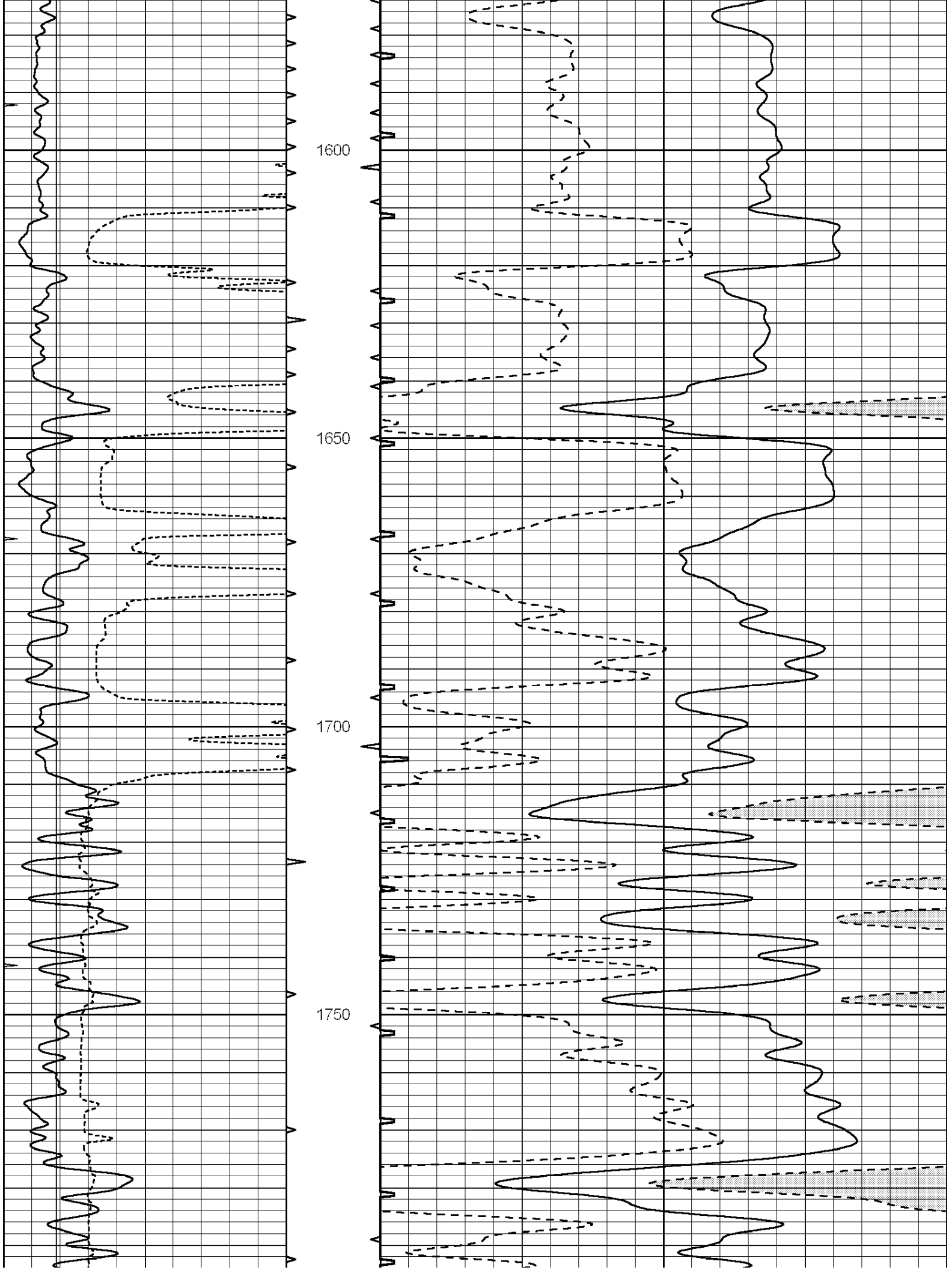

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550
600
650

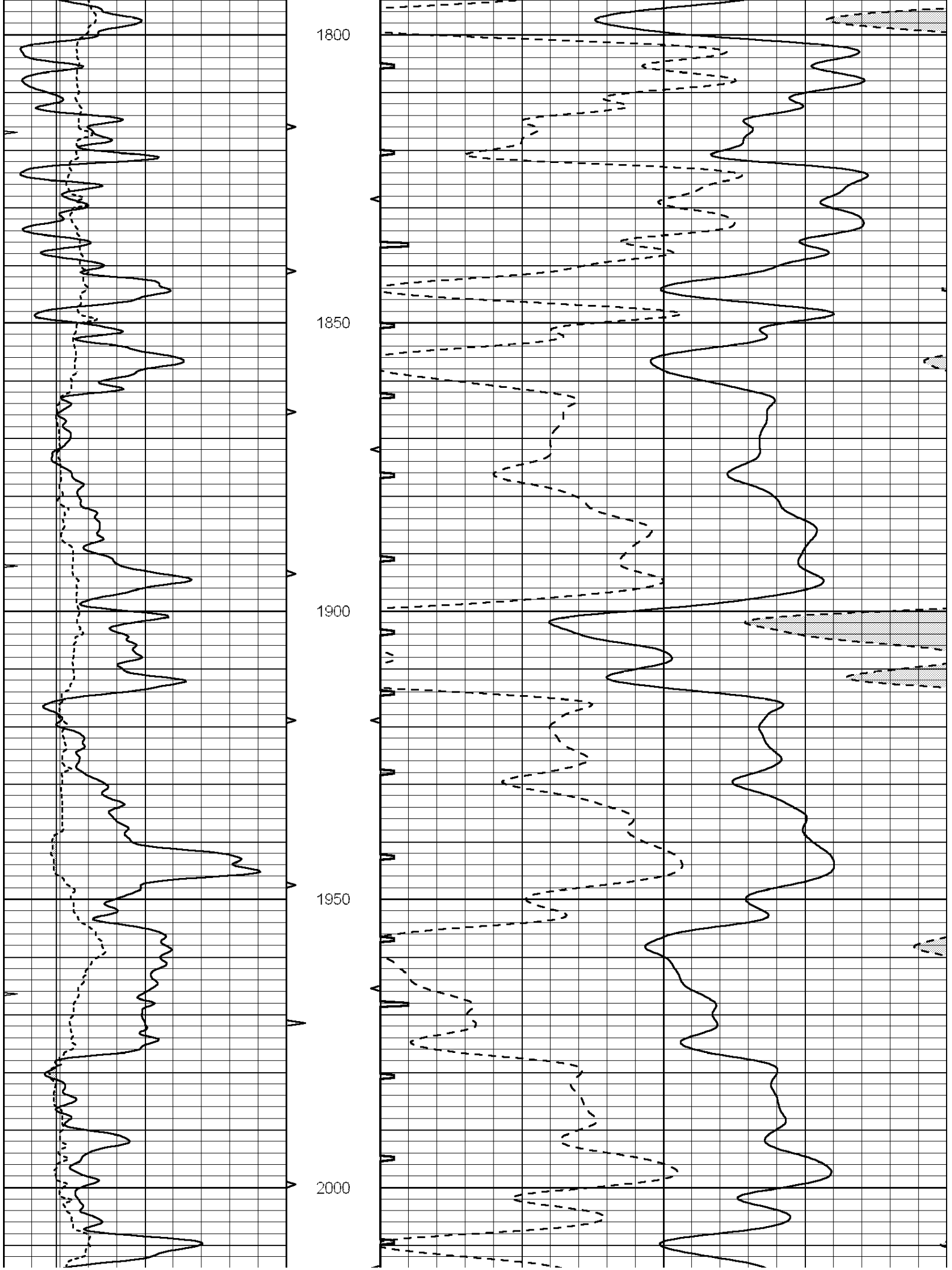

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750
800
850
900

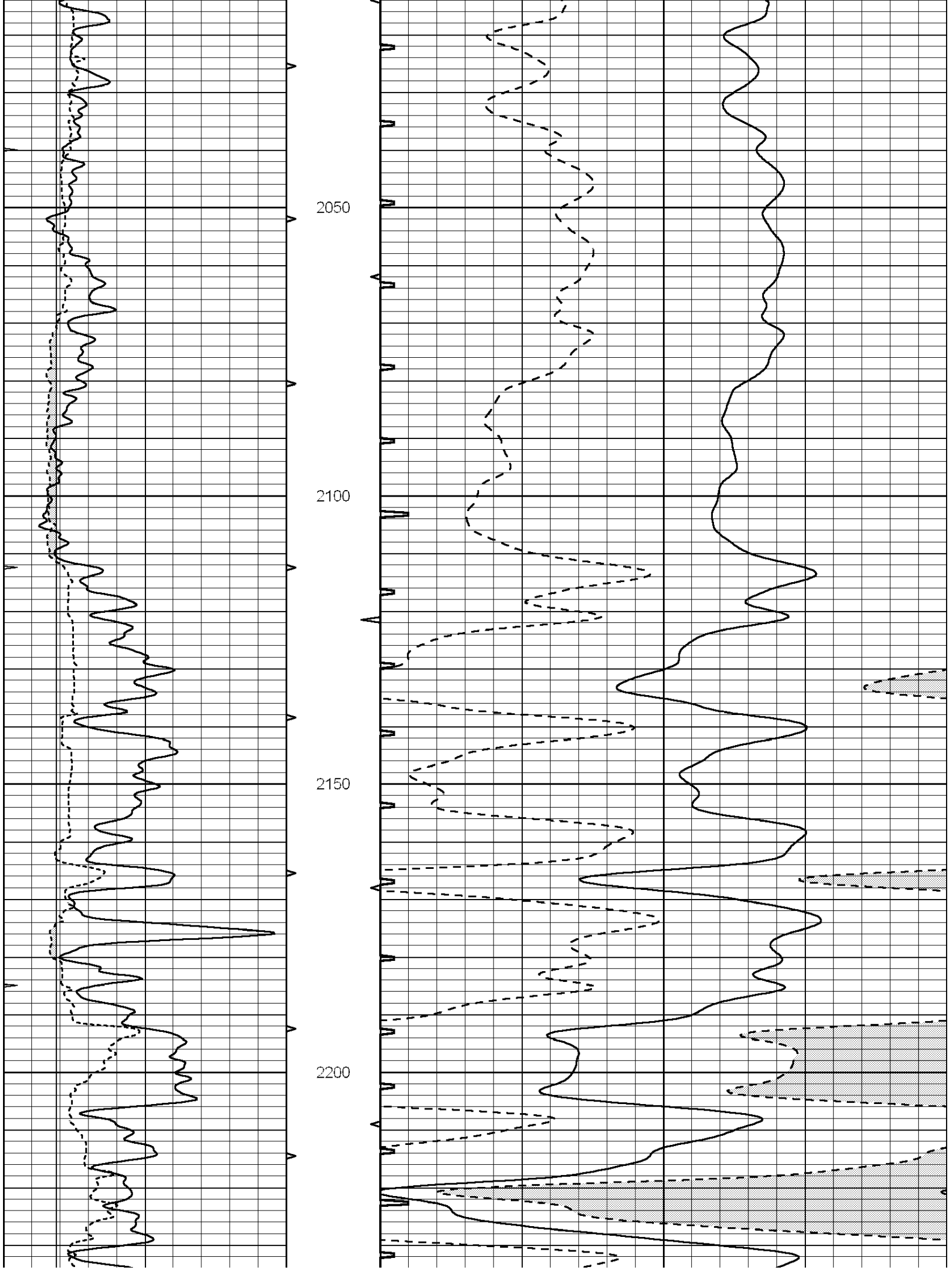

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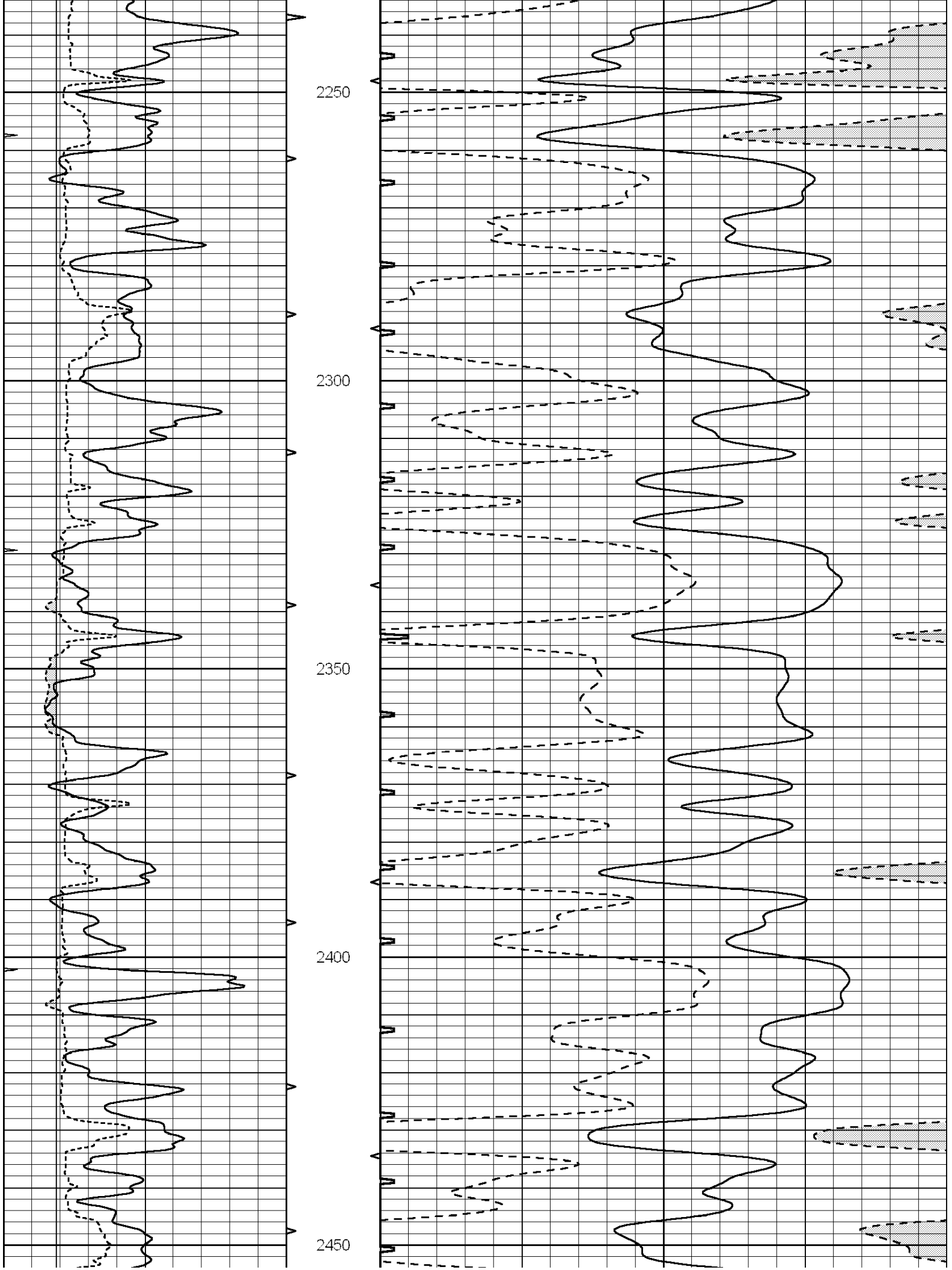

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1250
1300
1350

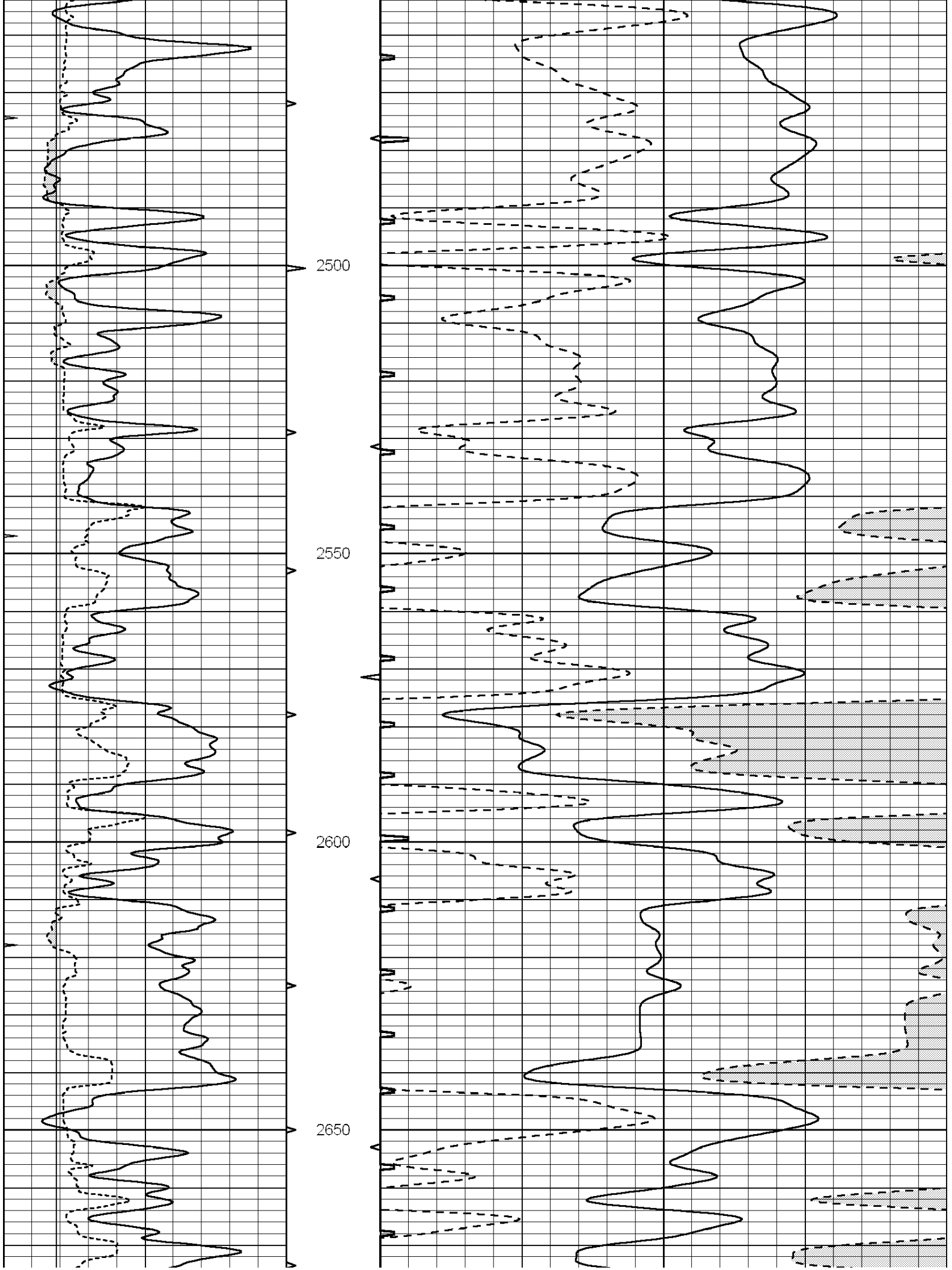

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1450
1500
1550

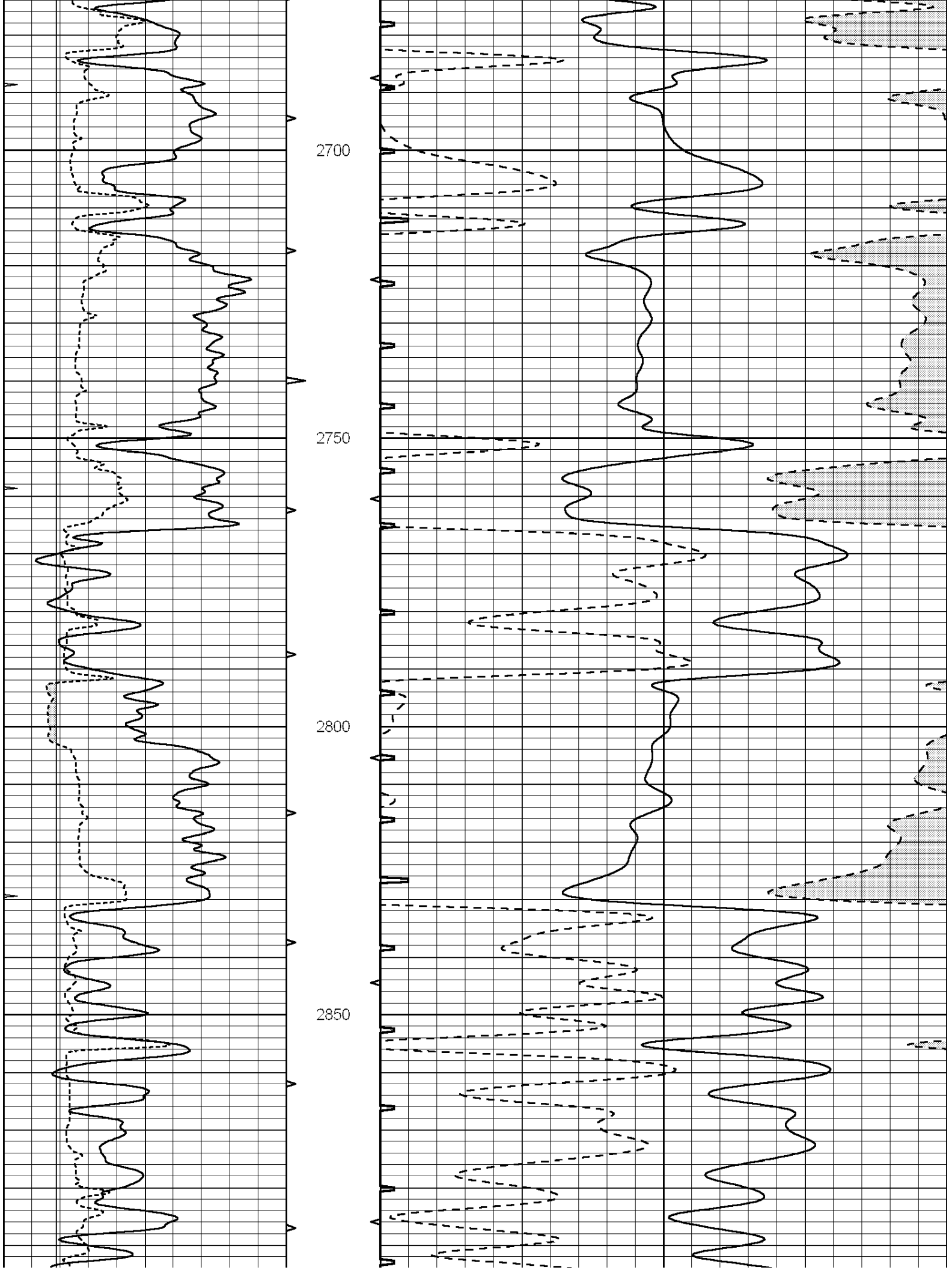

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1650
1700
1750

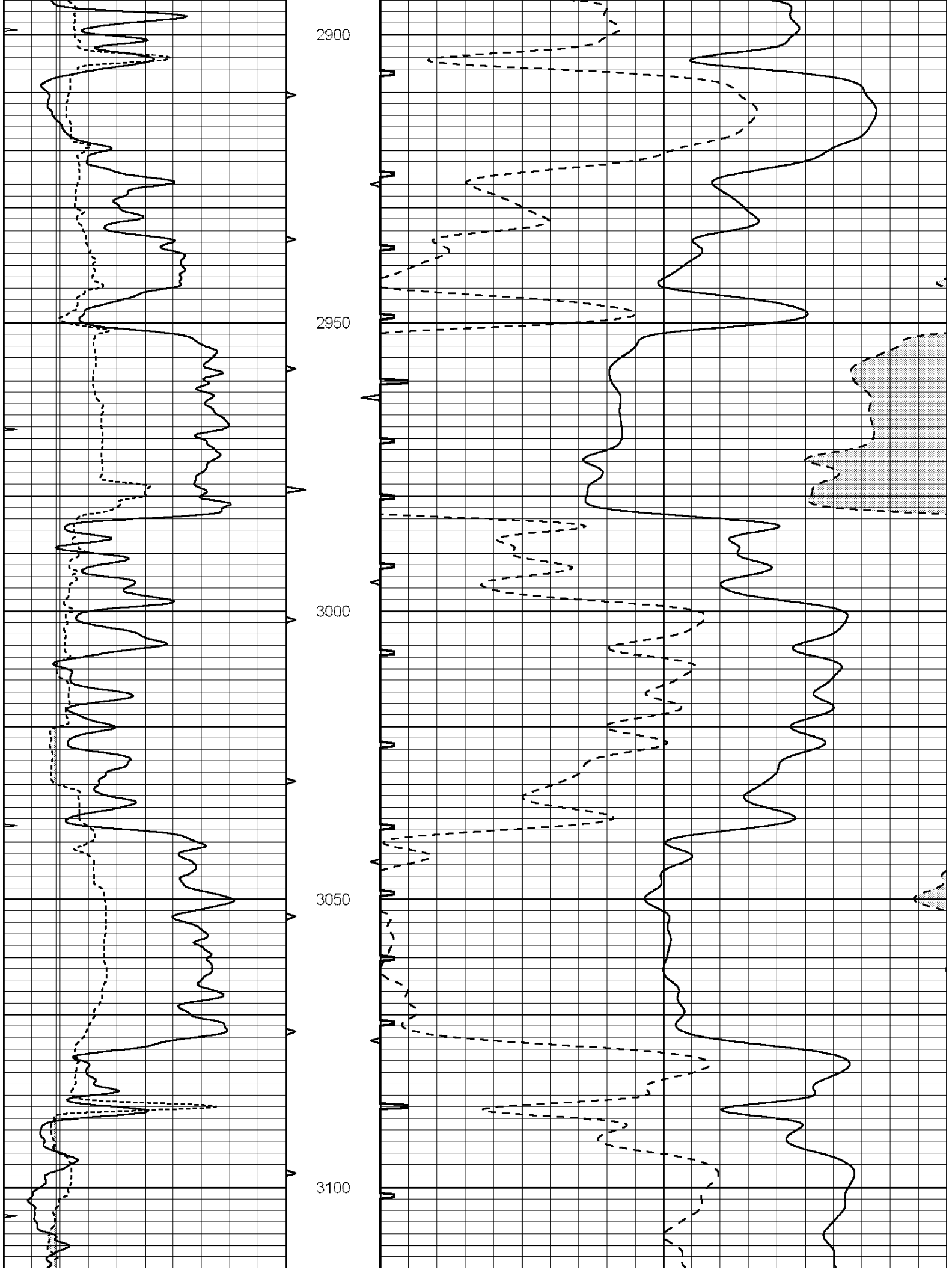

1800
1850
1900
1950
2000

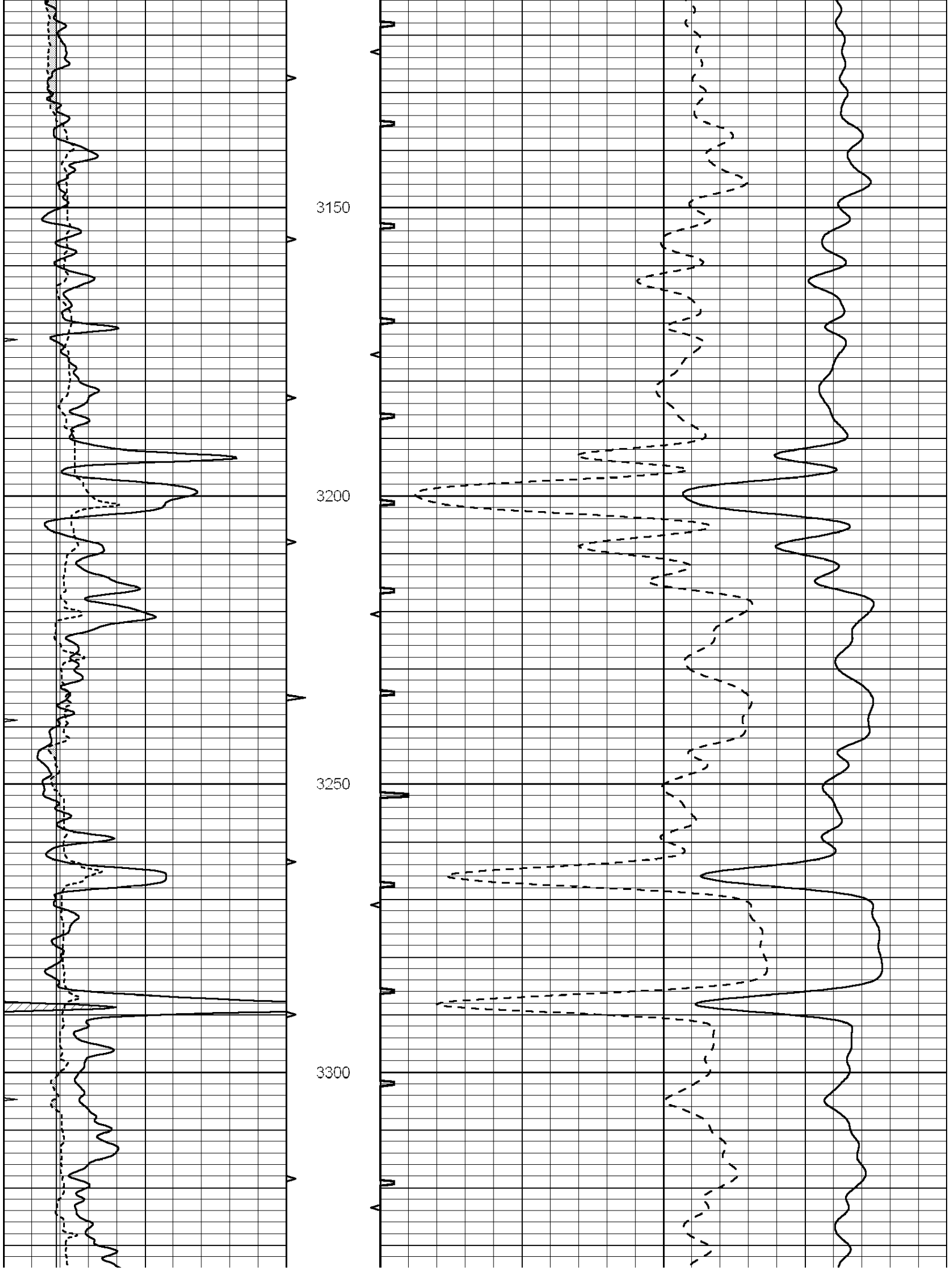

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2100
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2200


2250
2300
2350
2400
2450

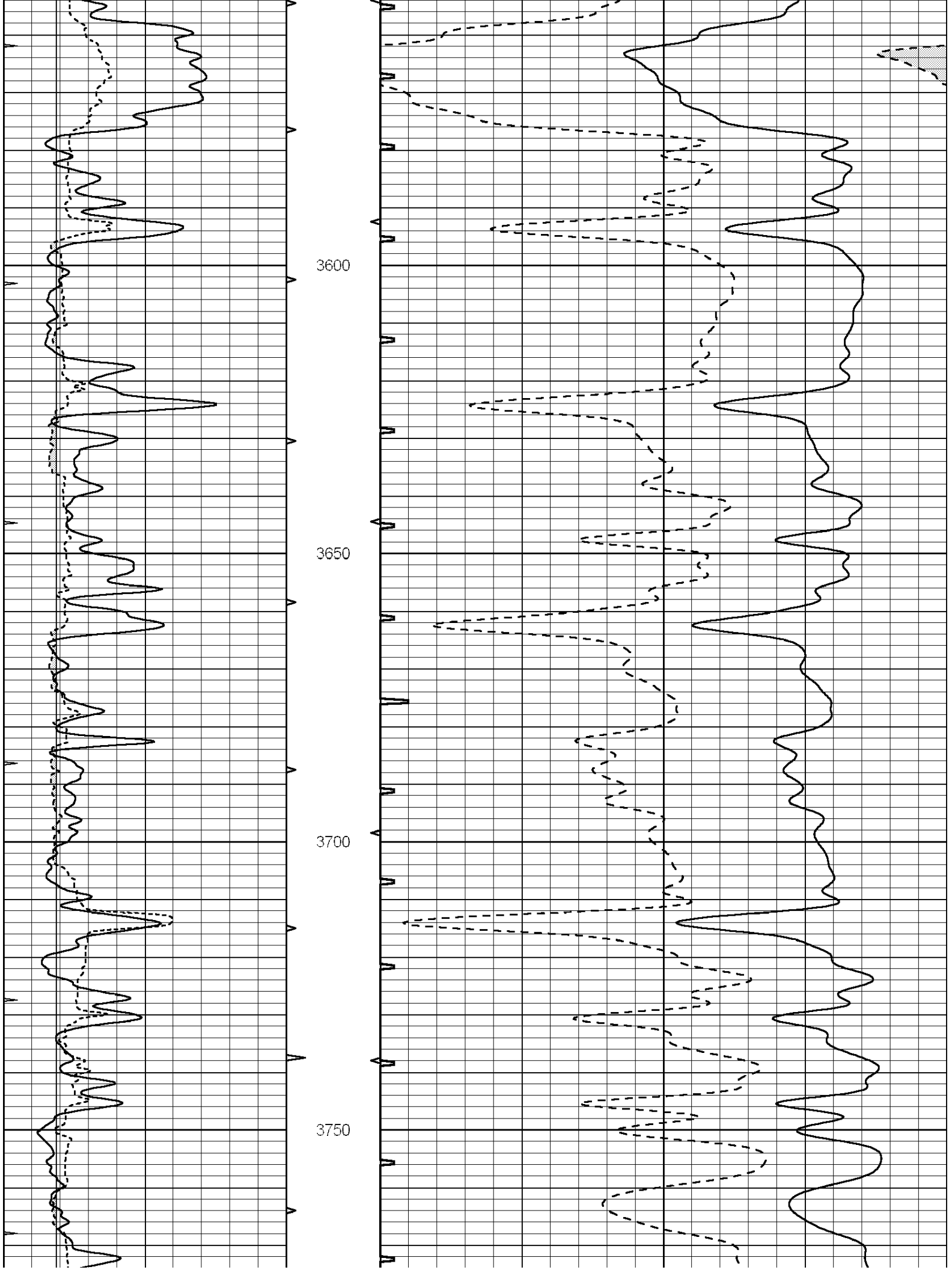

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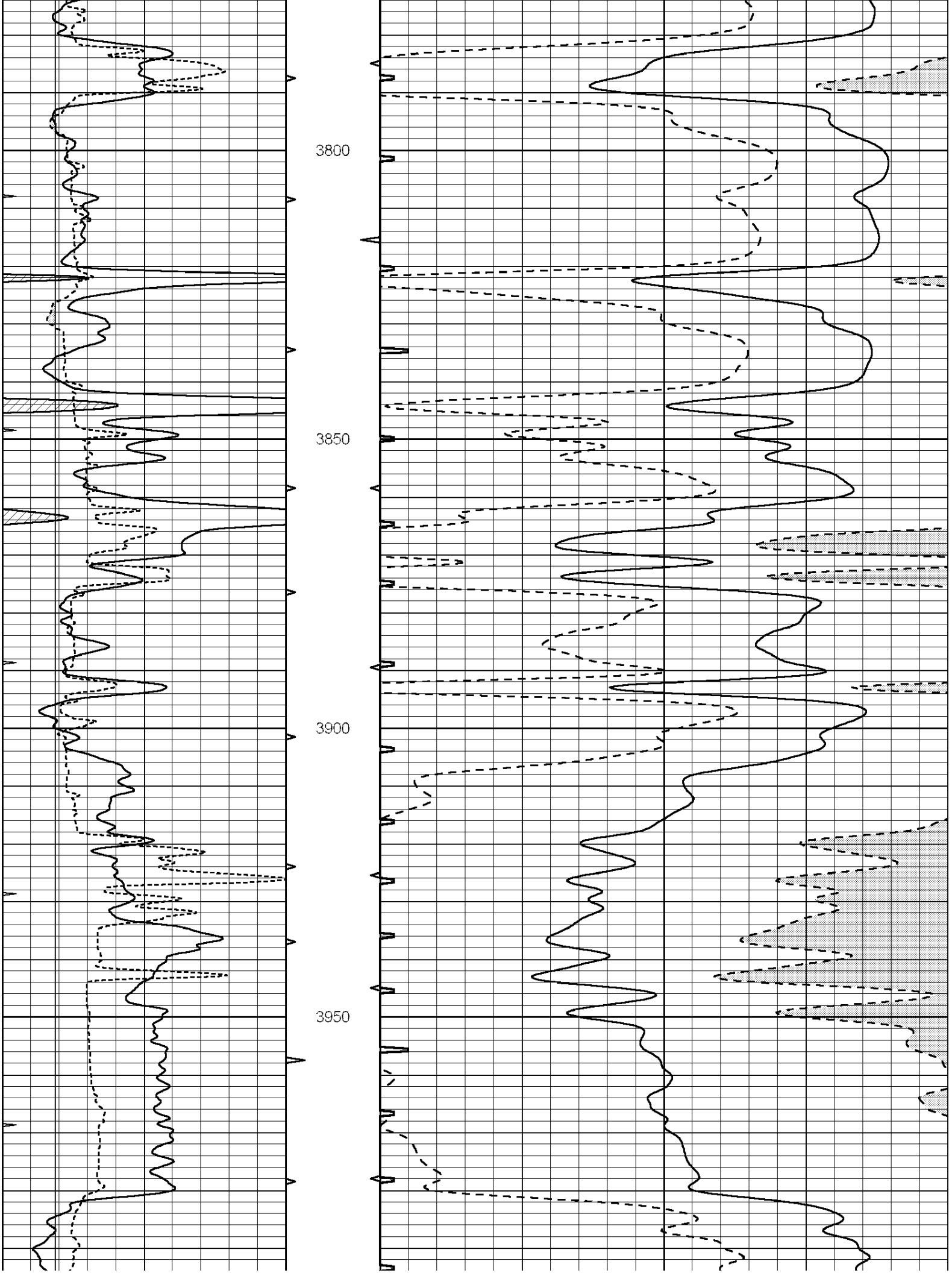

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2850

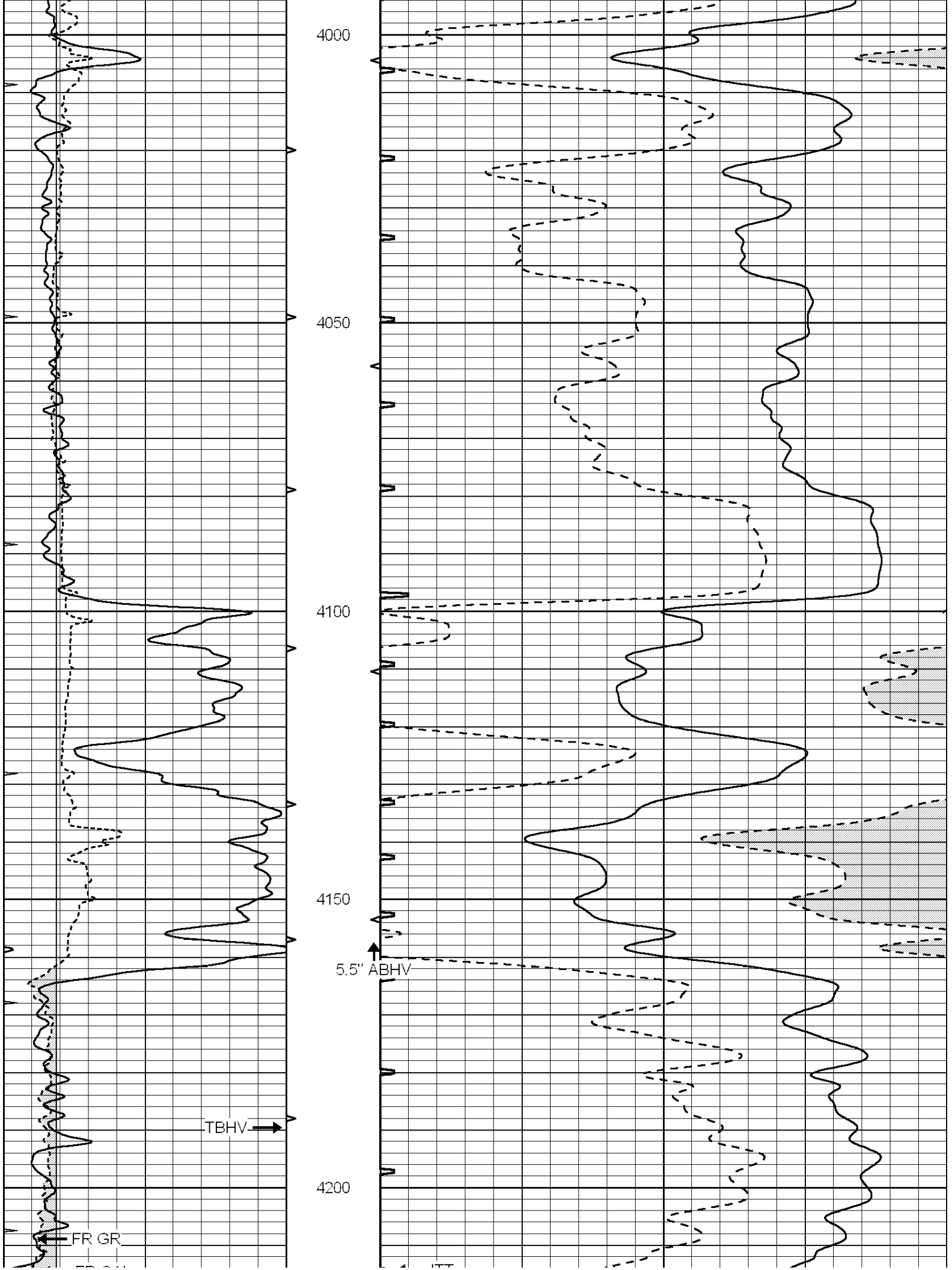

2900
2950
3000
3050
3100

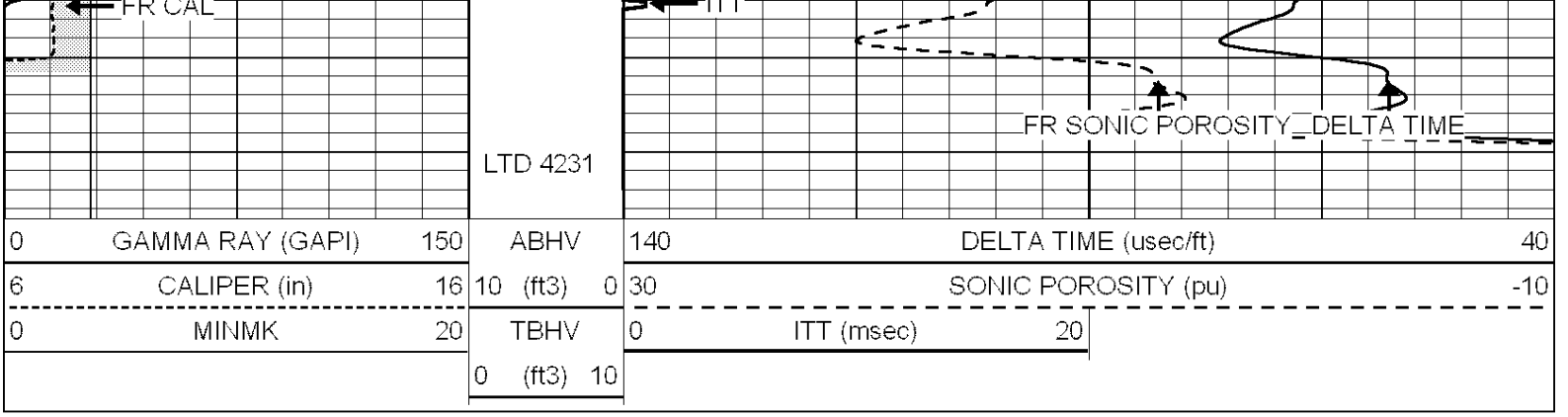

3150
3200
3250
3300


3350
3400
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3500
3550


3600
3650
3700
3750

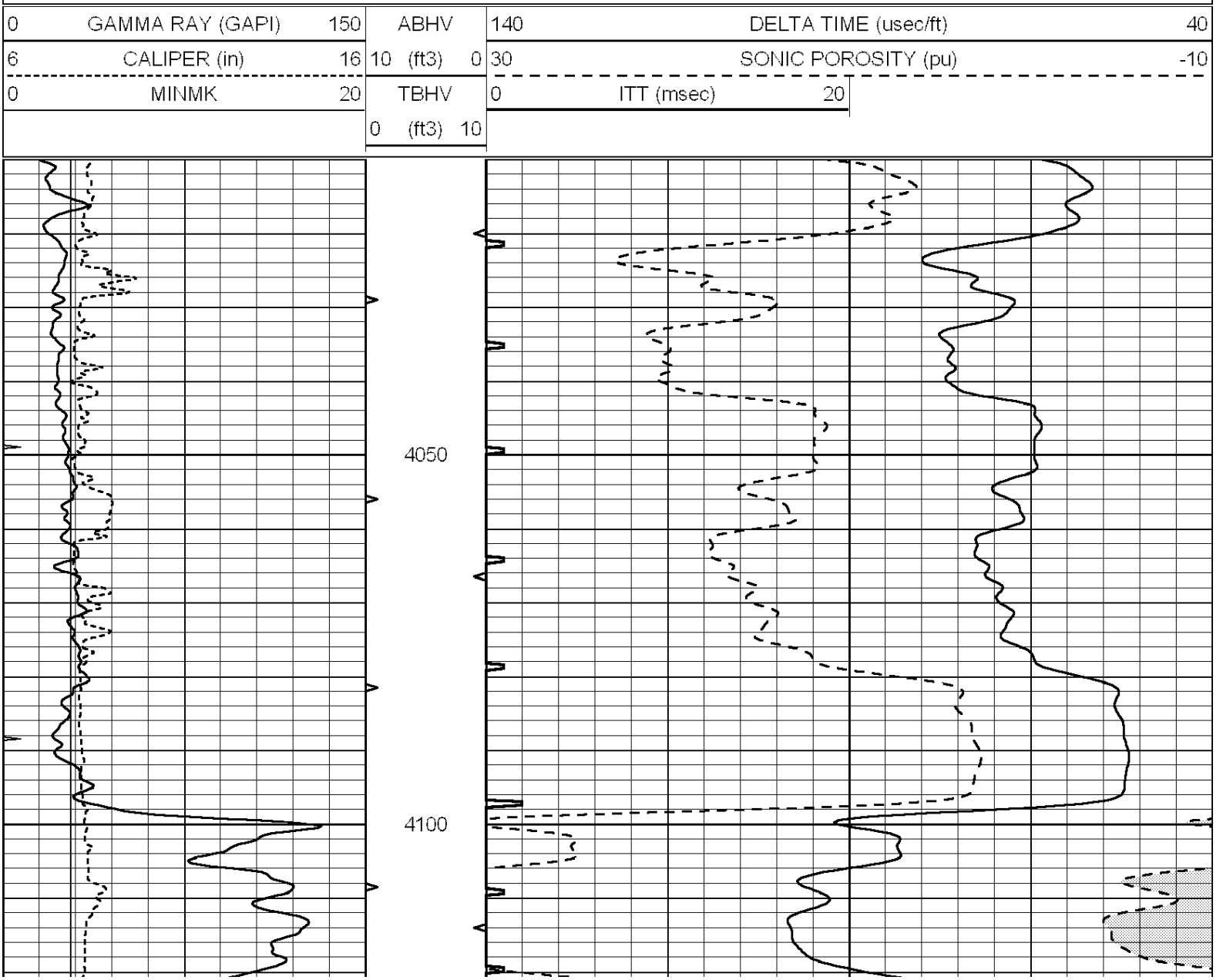

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3900
3950

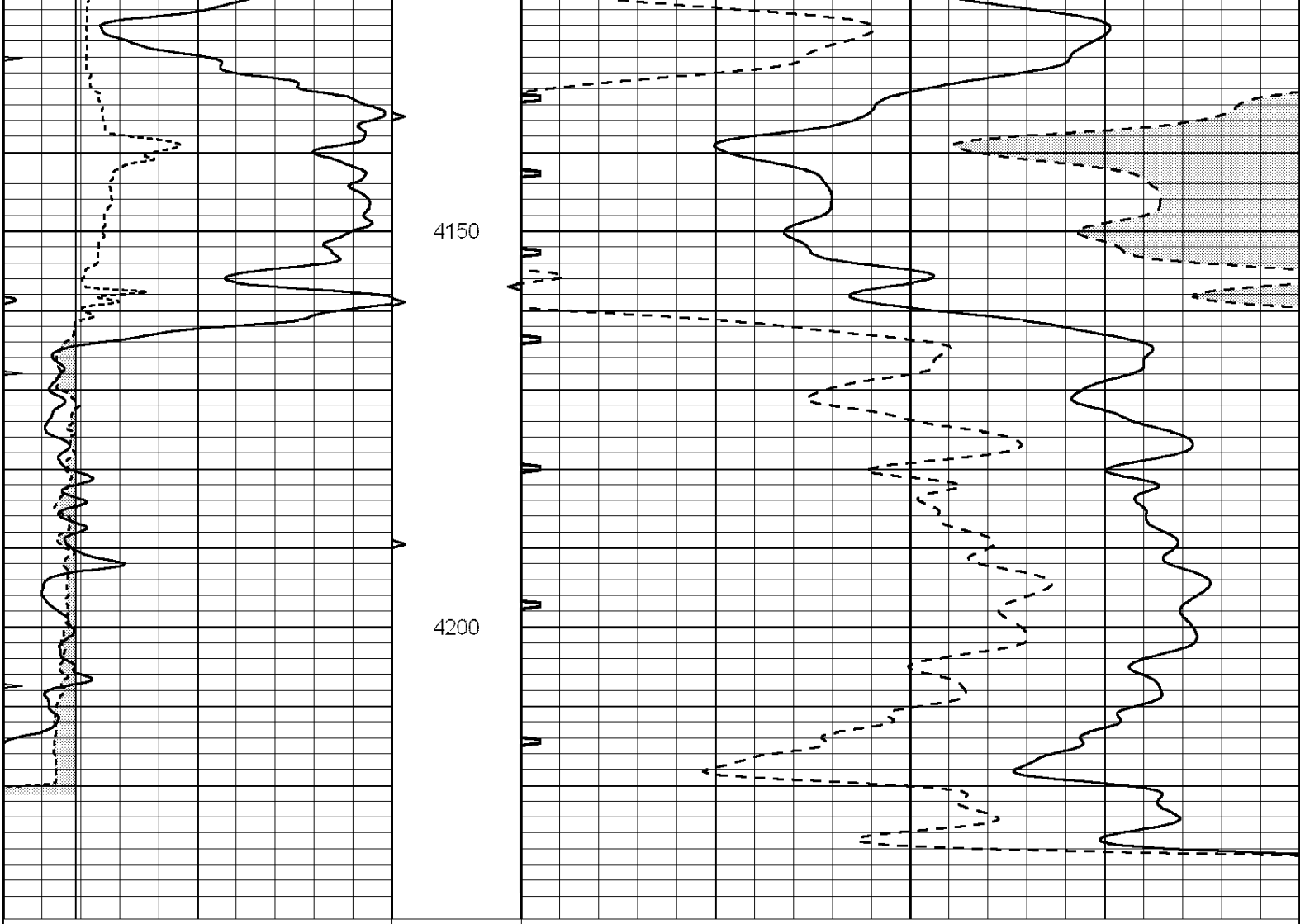

4000
4050
4100
4150
5.5" ABHV
TBHV
4200
FR GR



REPEAT SECTION

Database File:	4384ddn.db
Dataset Pathname:	pass7.4
Presentation Format:	slt
Dataset Creation:	Thu Nov 21 13:37:43 2019 by Calc SOC 120430
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
0	MINMK 20	TBHV	0	ITT (msec) 20	
		0 (ft3) 10			