SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

SONIC LOG

Company	CAERUS KANSAS, LLC.
Well	HOFFMAN #18-34
Field	DECEPTION CREEK
County	BARTON
State	KANSAS

Company CAERUS KANSAS, LLC.

Well HOFFMAN #18-34

Field DECEPTION CREEK

County BARTON State KANSAS

Location: API # : 15-009-25718-0000

1050' FSL & 1403' FEL
NE - NE - SW - SE
SEC 18 TWP 17S RGE 13W

Other Services
CDL/CNL
DIL/MEL

Permanent Datum GROUND LEVEL Elevation 1922
Log Measured From KELLY BUSHING 13' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1935
D.F. 1933
G.L. 1922

Date	7/30/12		
Run Number	TWO		
Depth Driller	3520		
Depth Logger	3518		
Bottom Logged Interval	3506		
Top Log Interval	800		
Casing Driller	8 5/8"@845'		
Casing Logger	846		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5,000 PPM	
Density / Viscosity	8.9/52		
pH / Fluid Loss	11.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.400@100F		
Rmf @ Meas. Temp	.300@100F		
Rmc @ Meas. Temp	.480@100F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.357@112F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	3:00 P.M.		
Maximum Recorded Temperature	112F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	ROGER FISHER	BRIAN KARLIN	

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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 HAYS, KANSAS (785) 628-6395
DIRECTIONS
RUSSELL, KS. & I-70, S. ON HWY 281 TO "RD. 150", 2E., 1S. TO "140", W. INTO

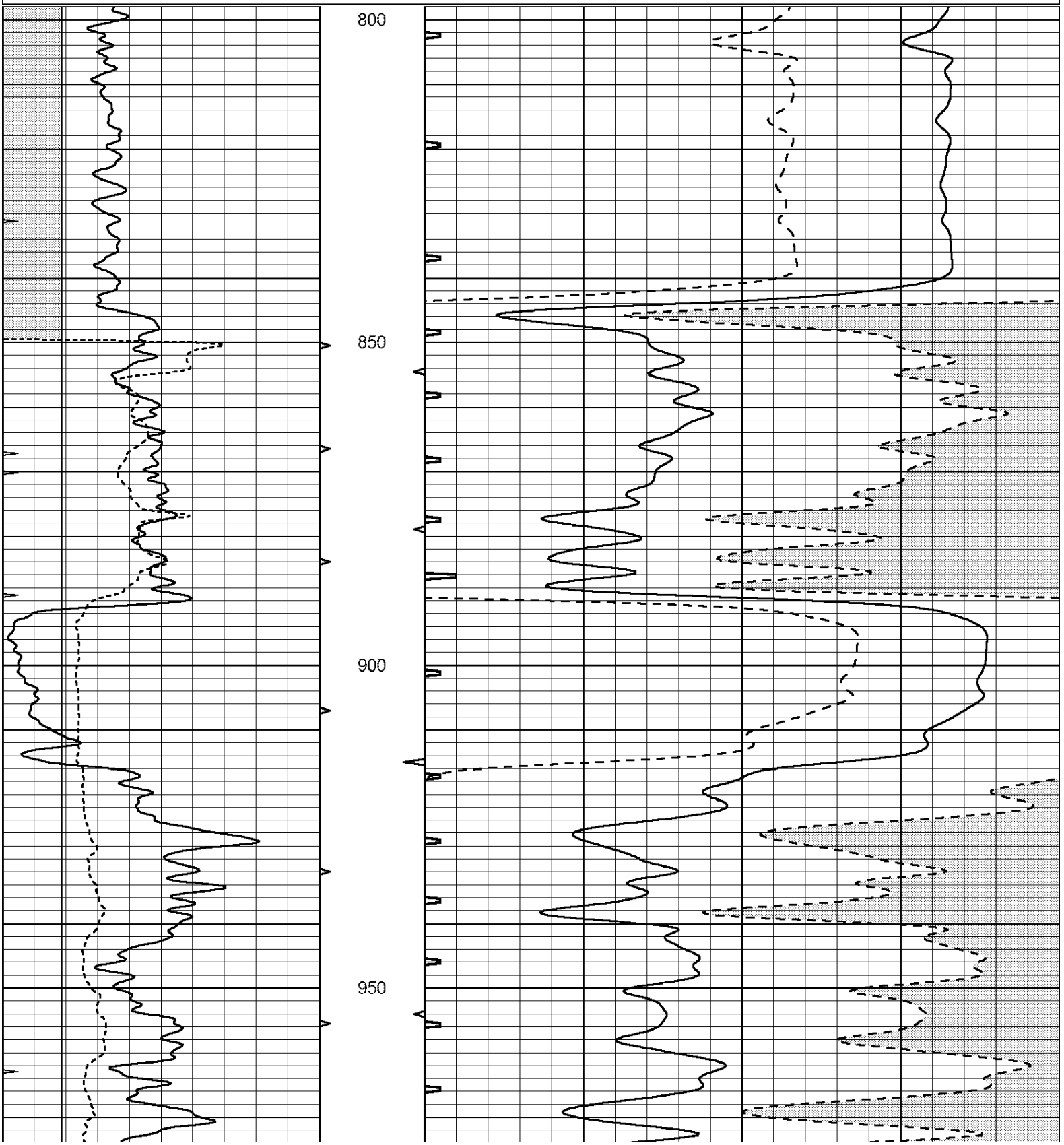
SUPERIOR WELL SERVICES

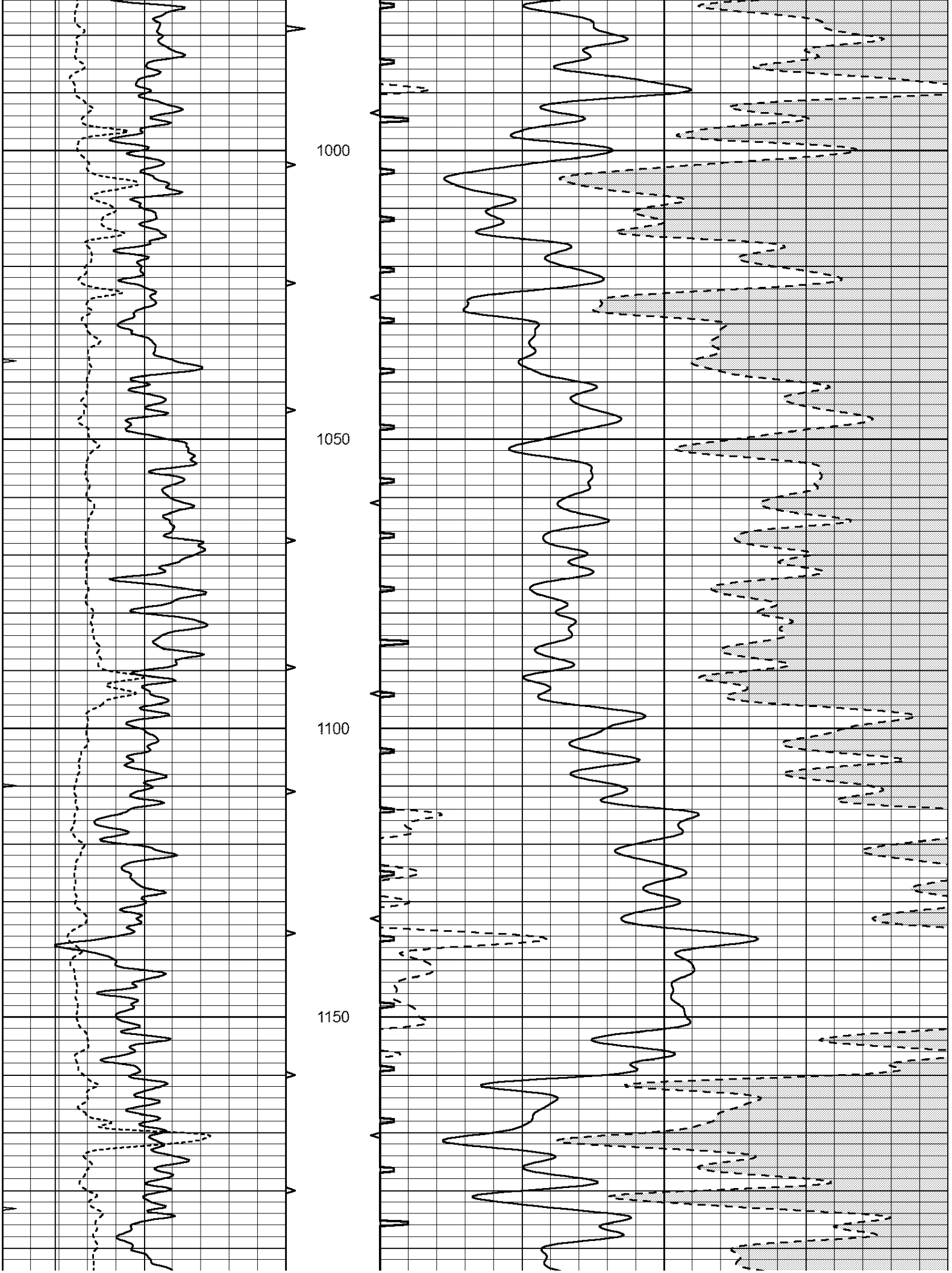
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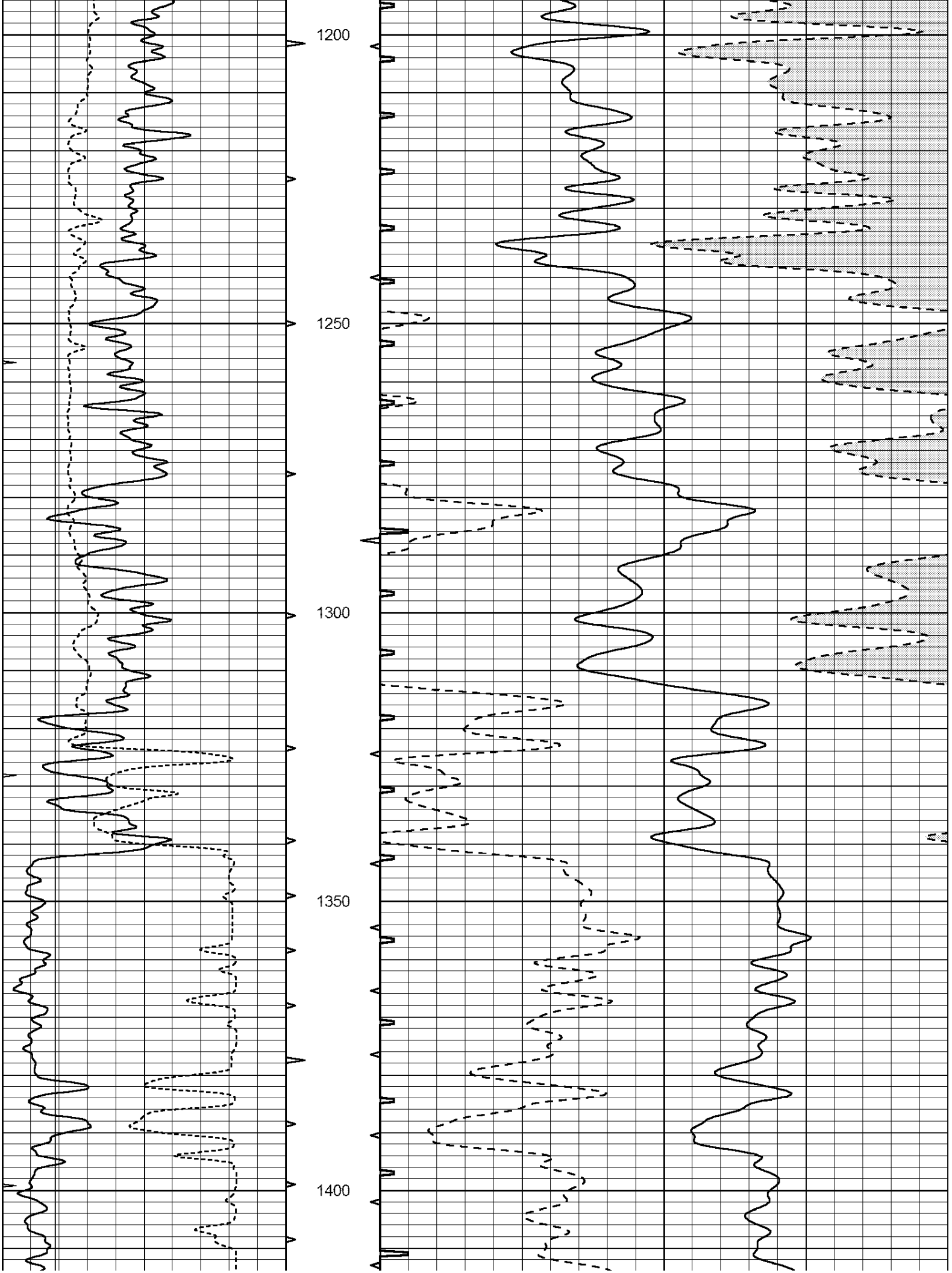
MAIN SECTION

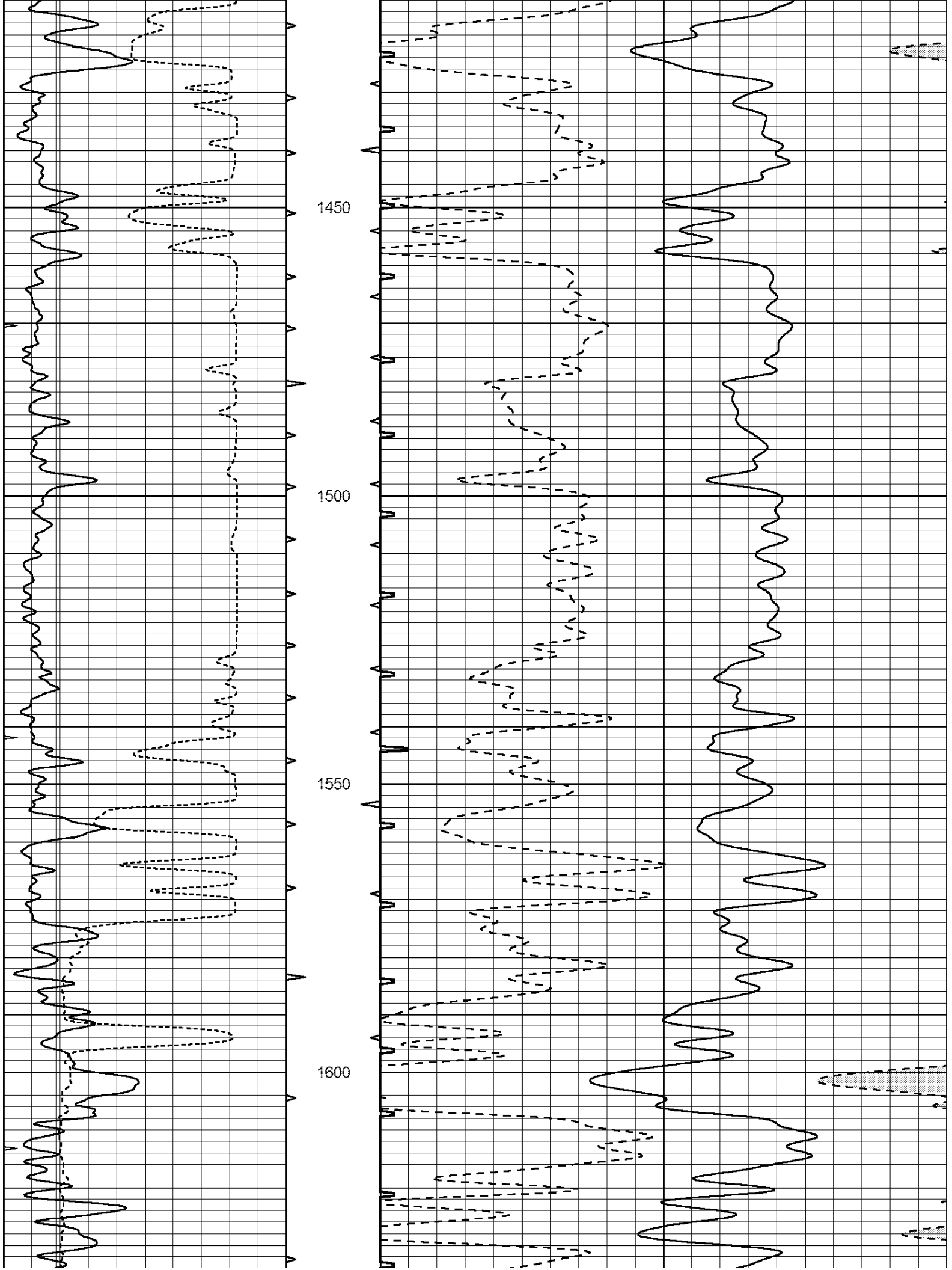
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Charted by: Depth in Feet scaled 1:240

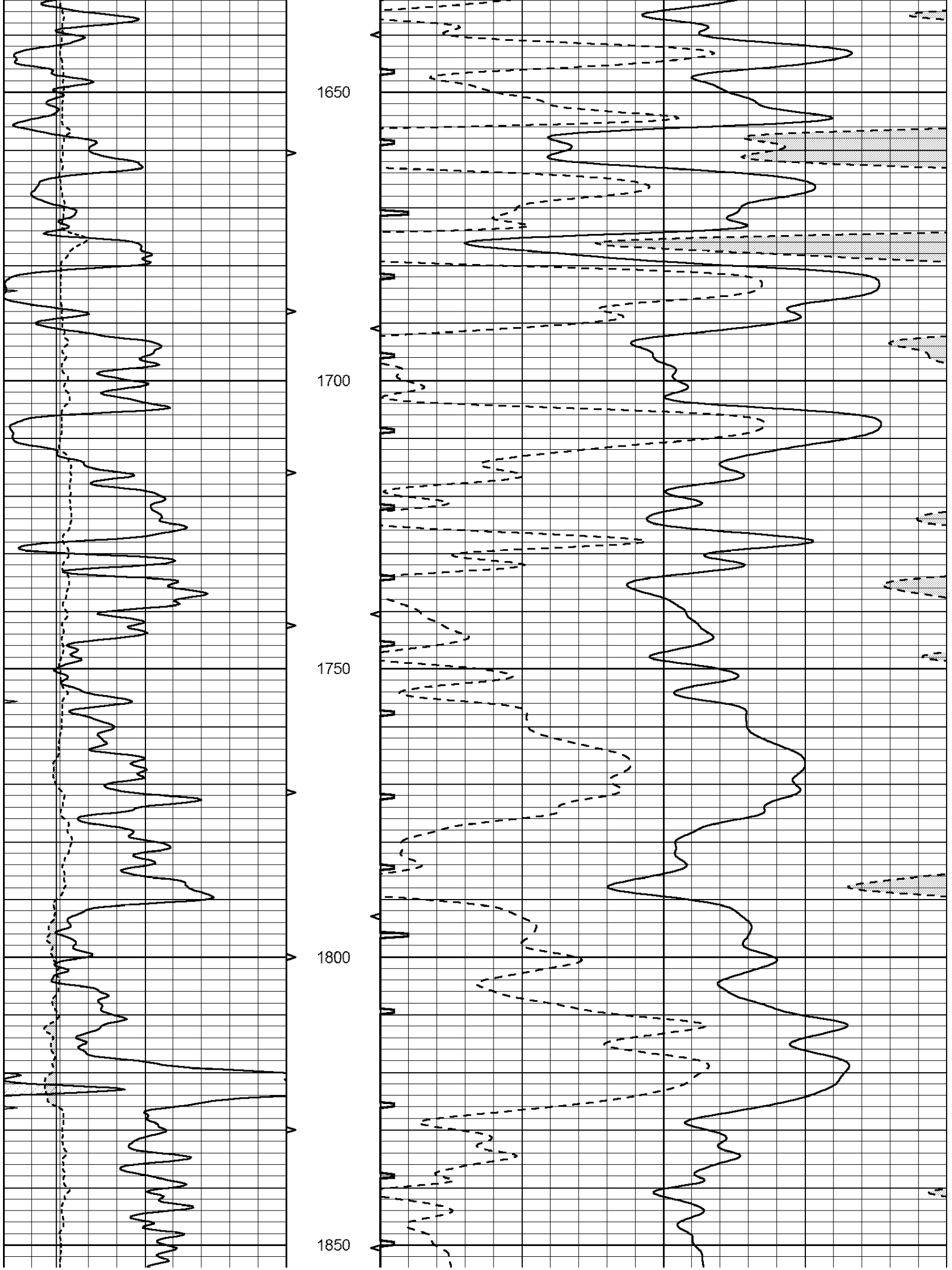
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6	CALIPER (in) 16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
0	MINMK 20	TBHV	0	ITT (msec) 20	
		0 (ft3) 10			

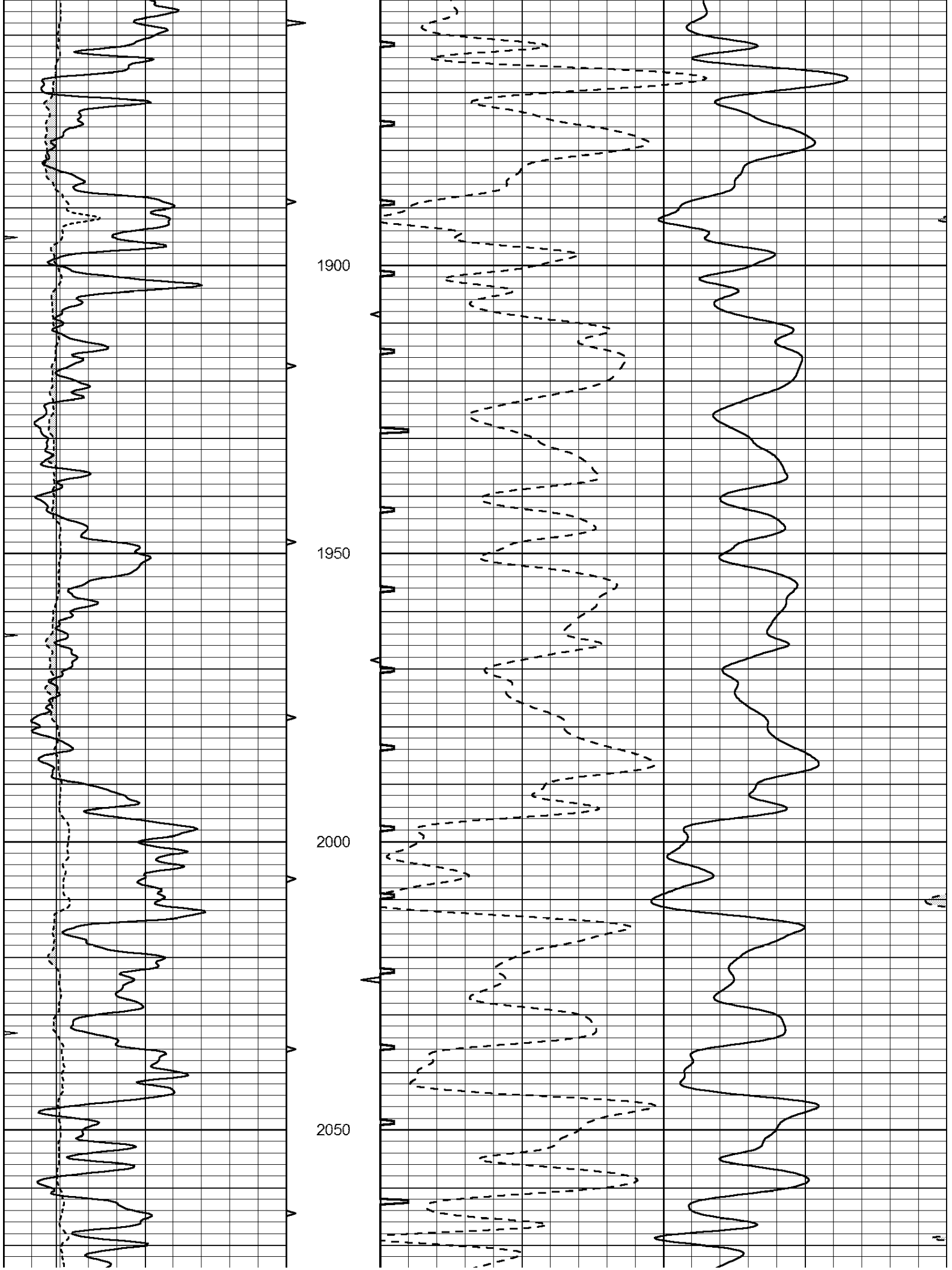


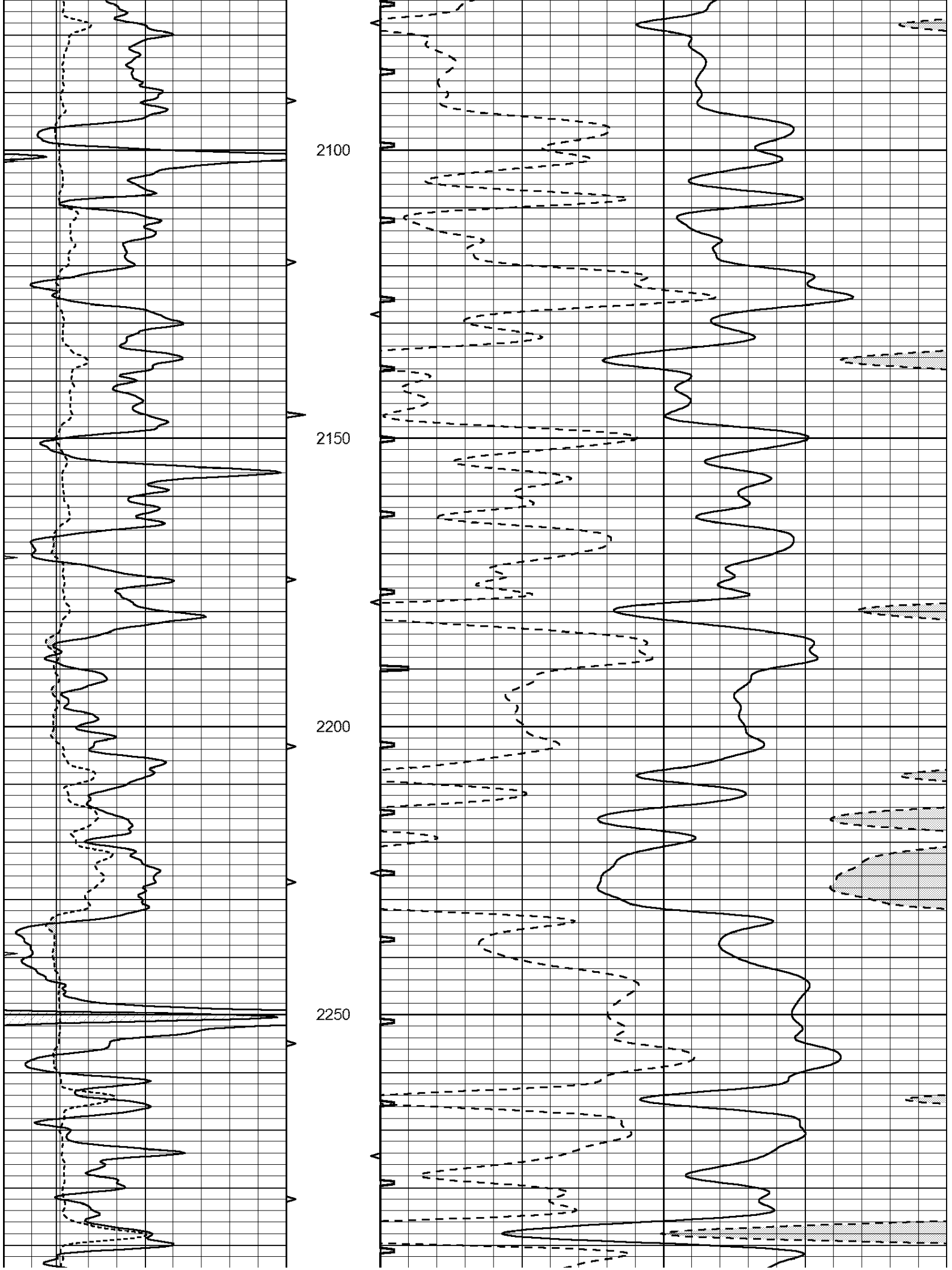

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1100
1150

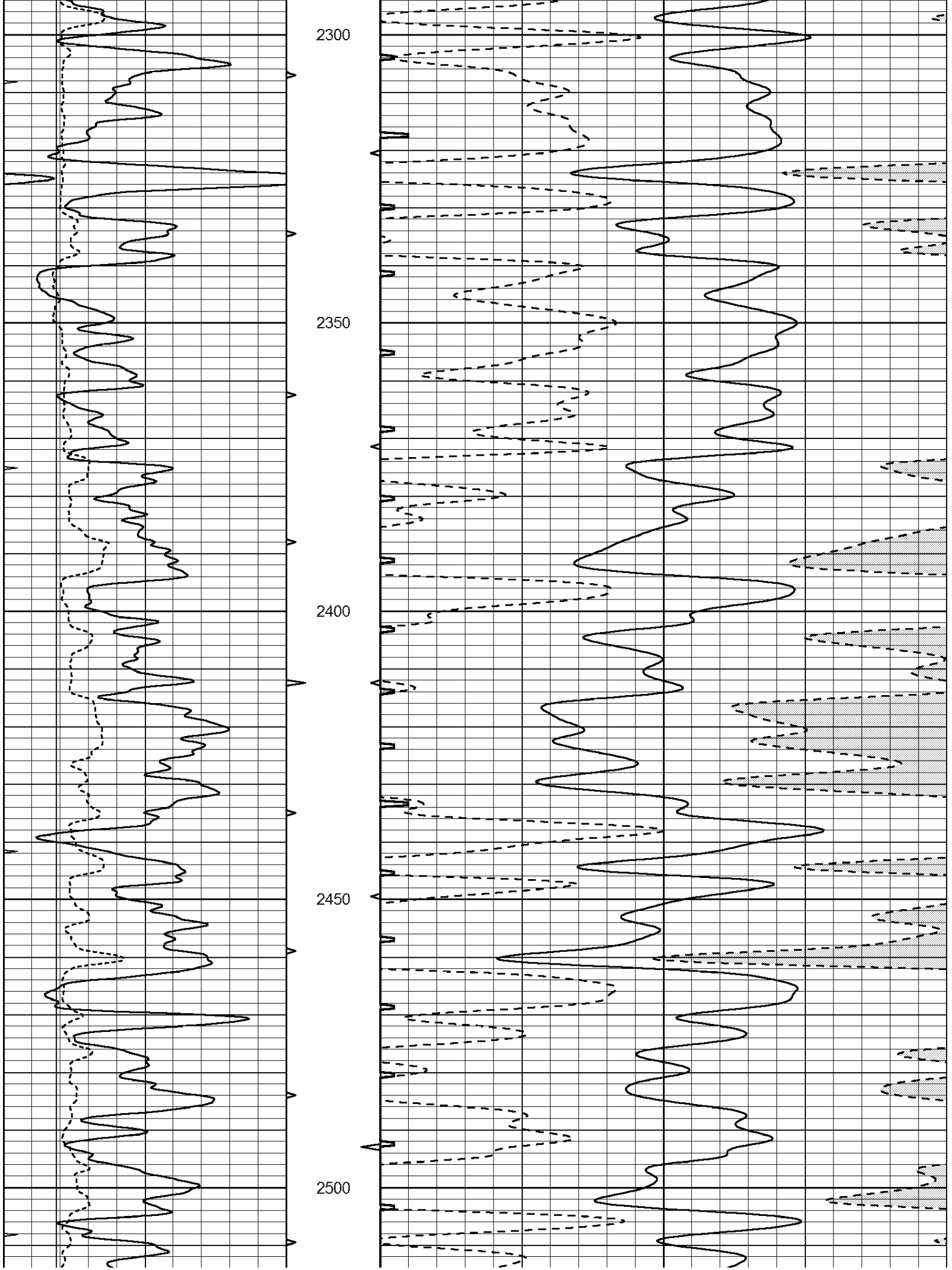

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1350
1400

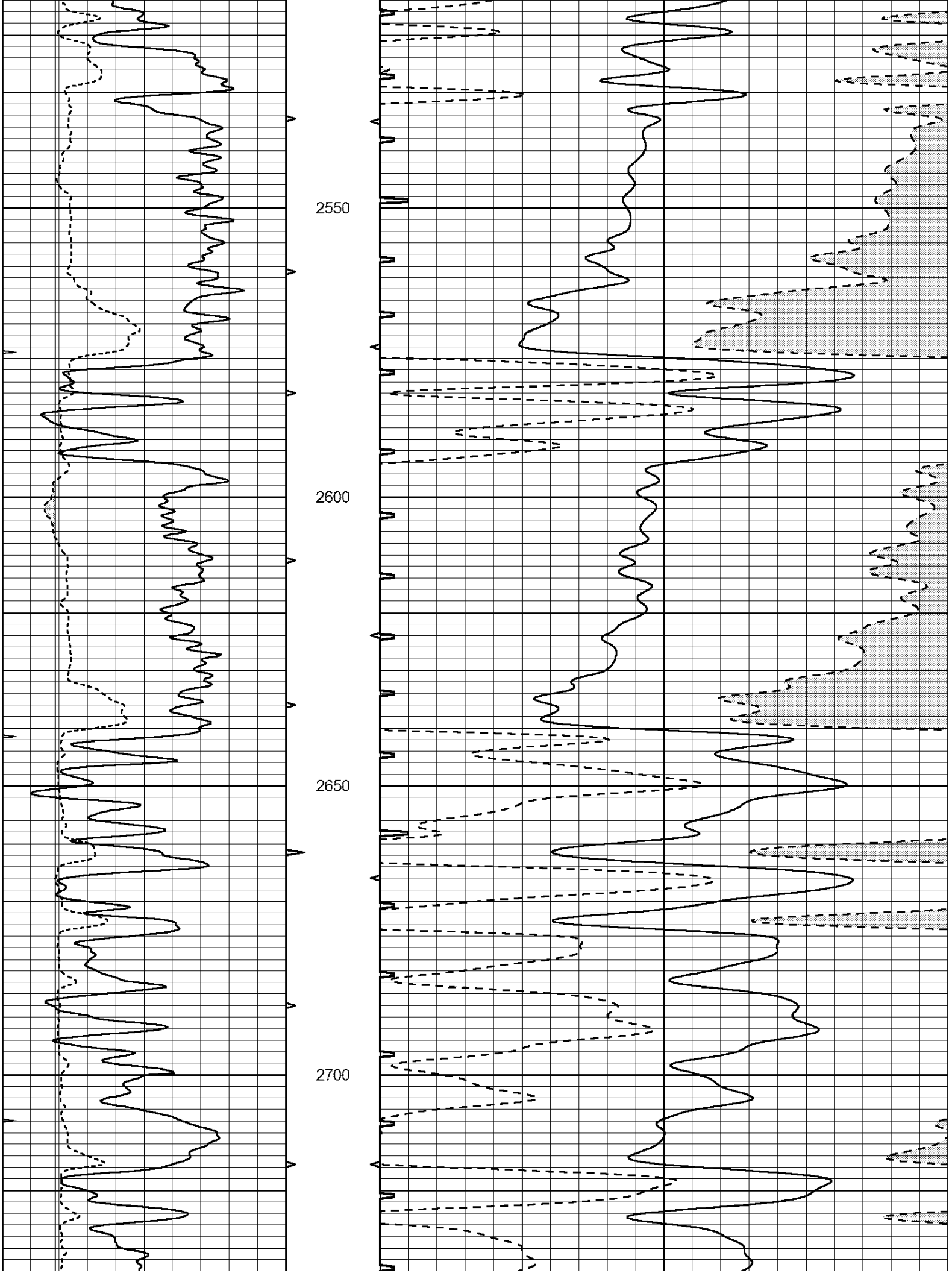

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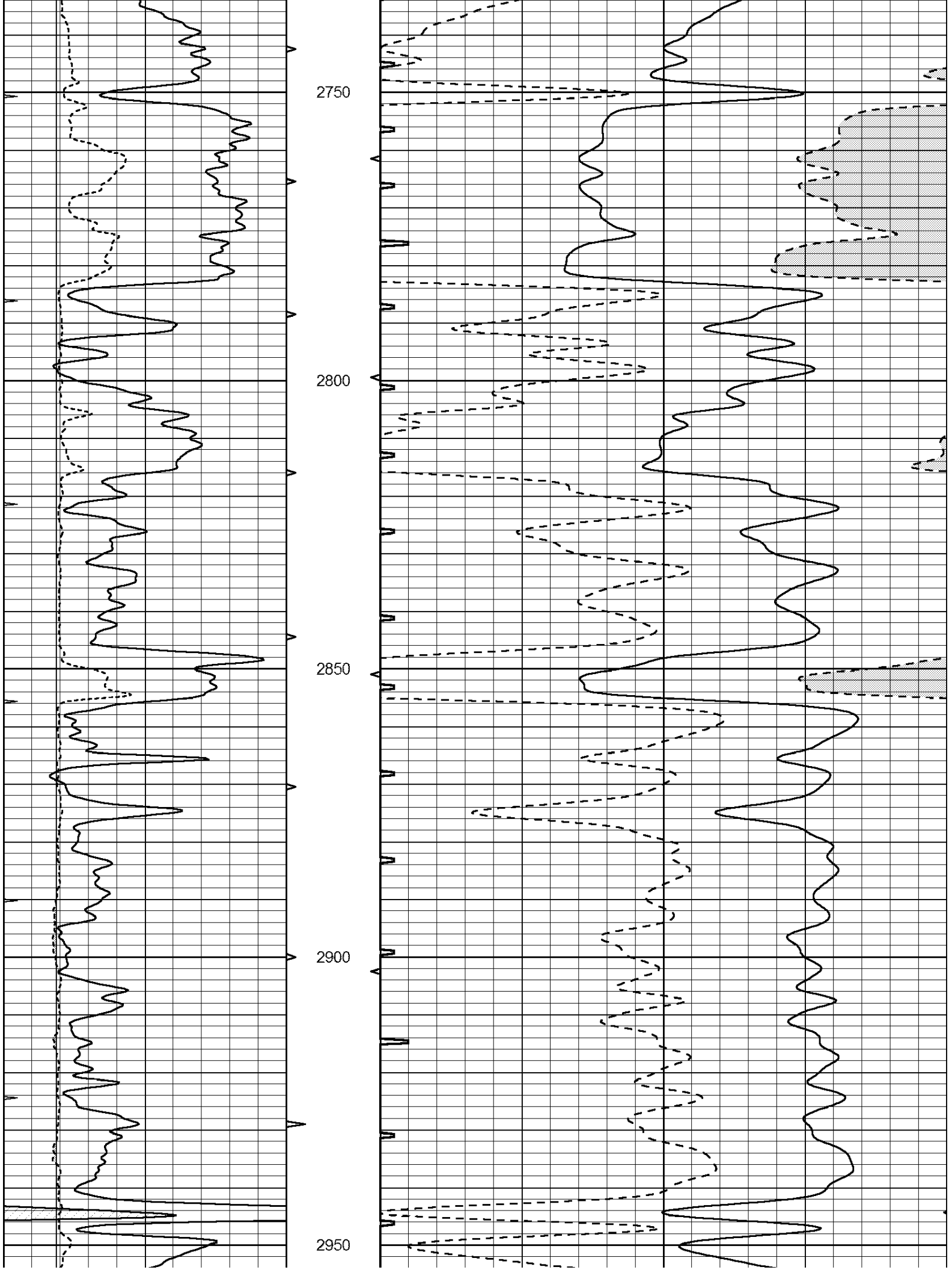

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1750
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1850

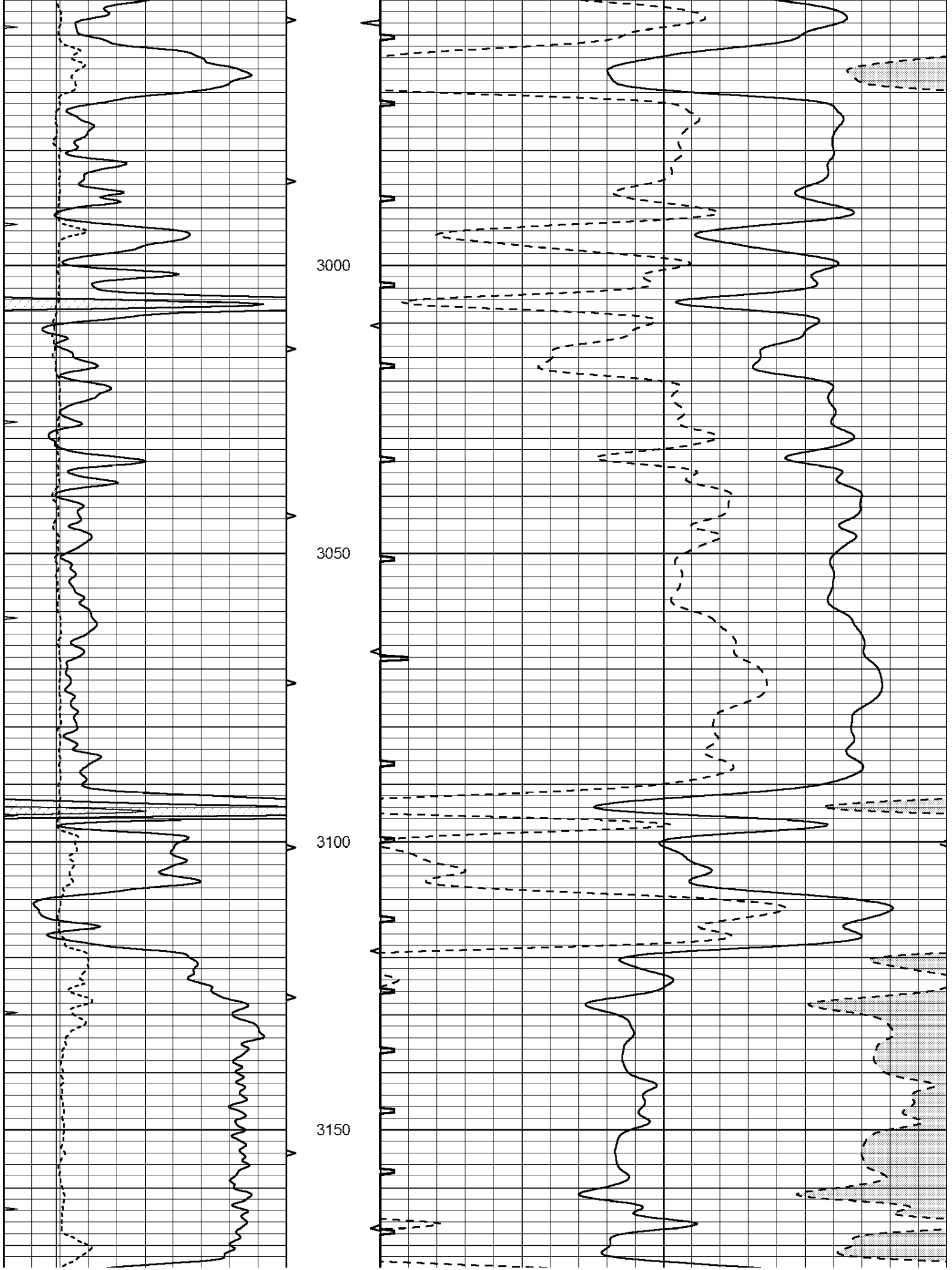

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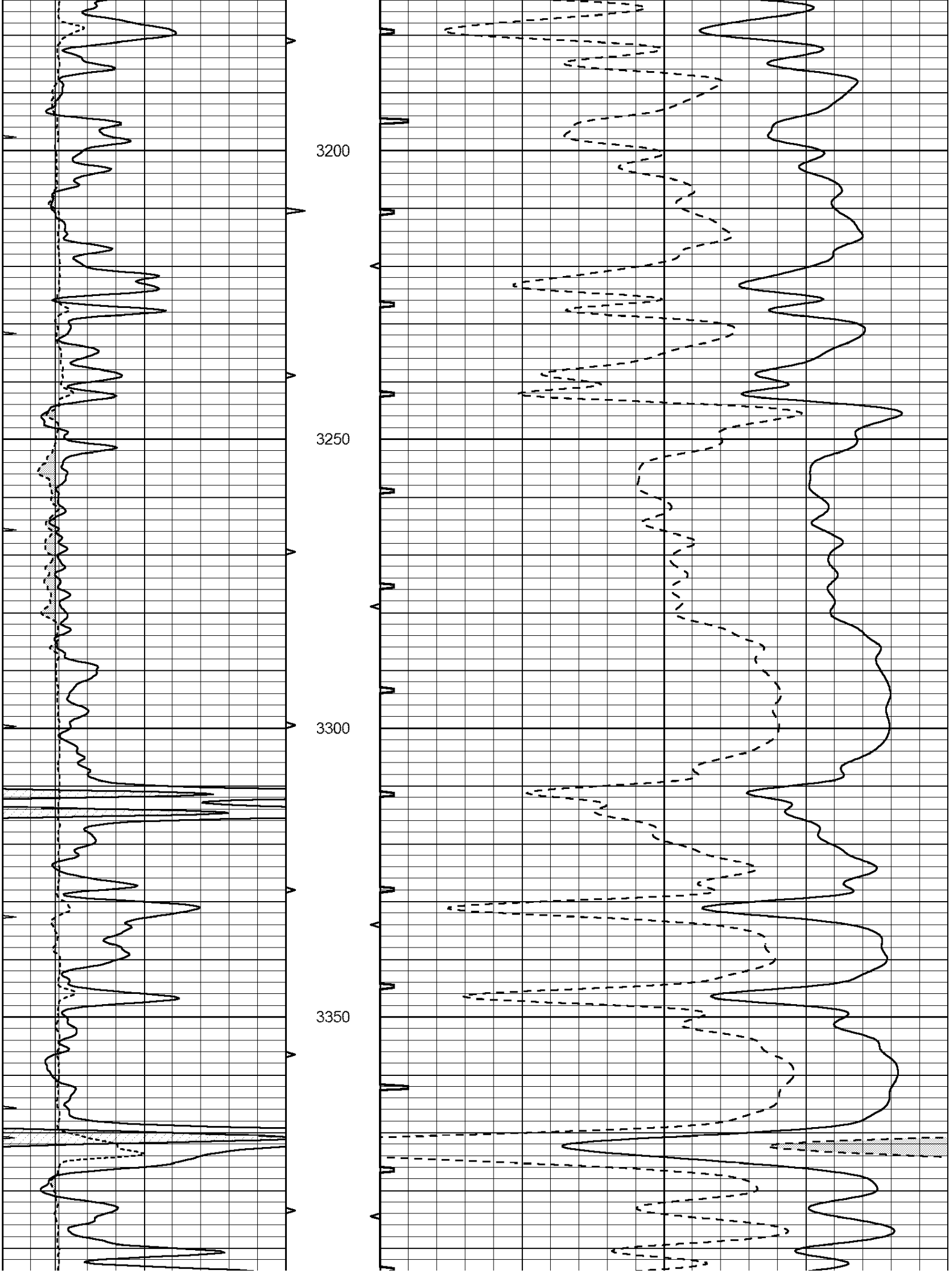

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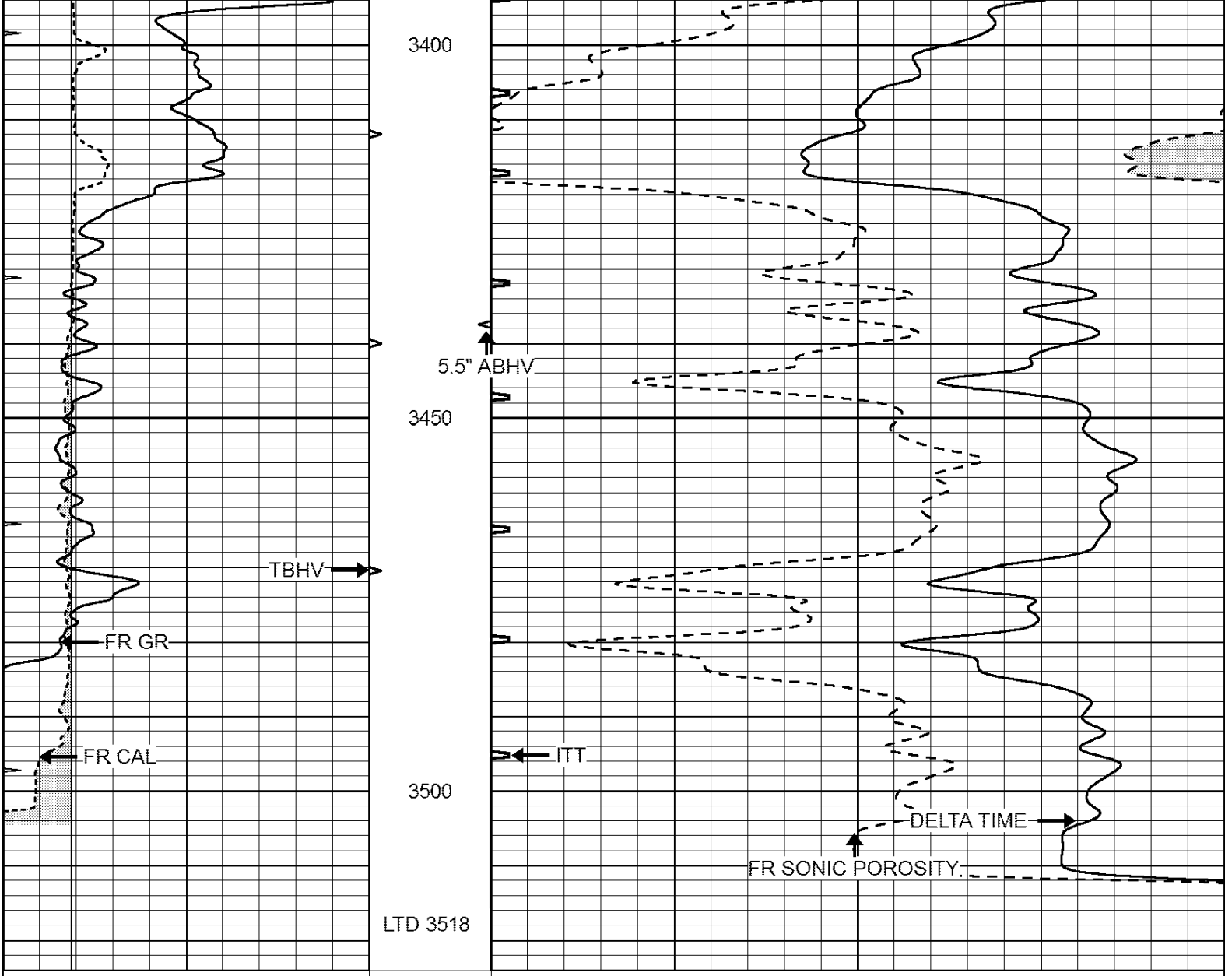

2300
2350
2400
2450
2500


2550
2600
2650
2700


2750
2800
2850
2900
2950


3000
3050
3100
3150


3200
3250
3300
3350



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				

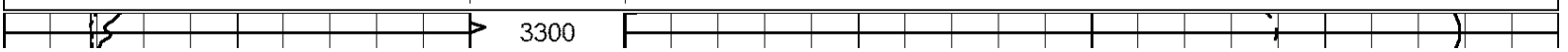
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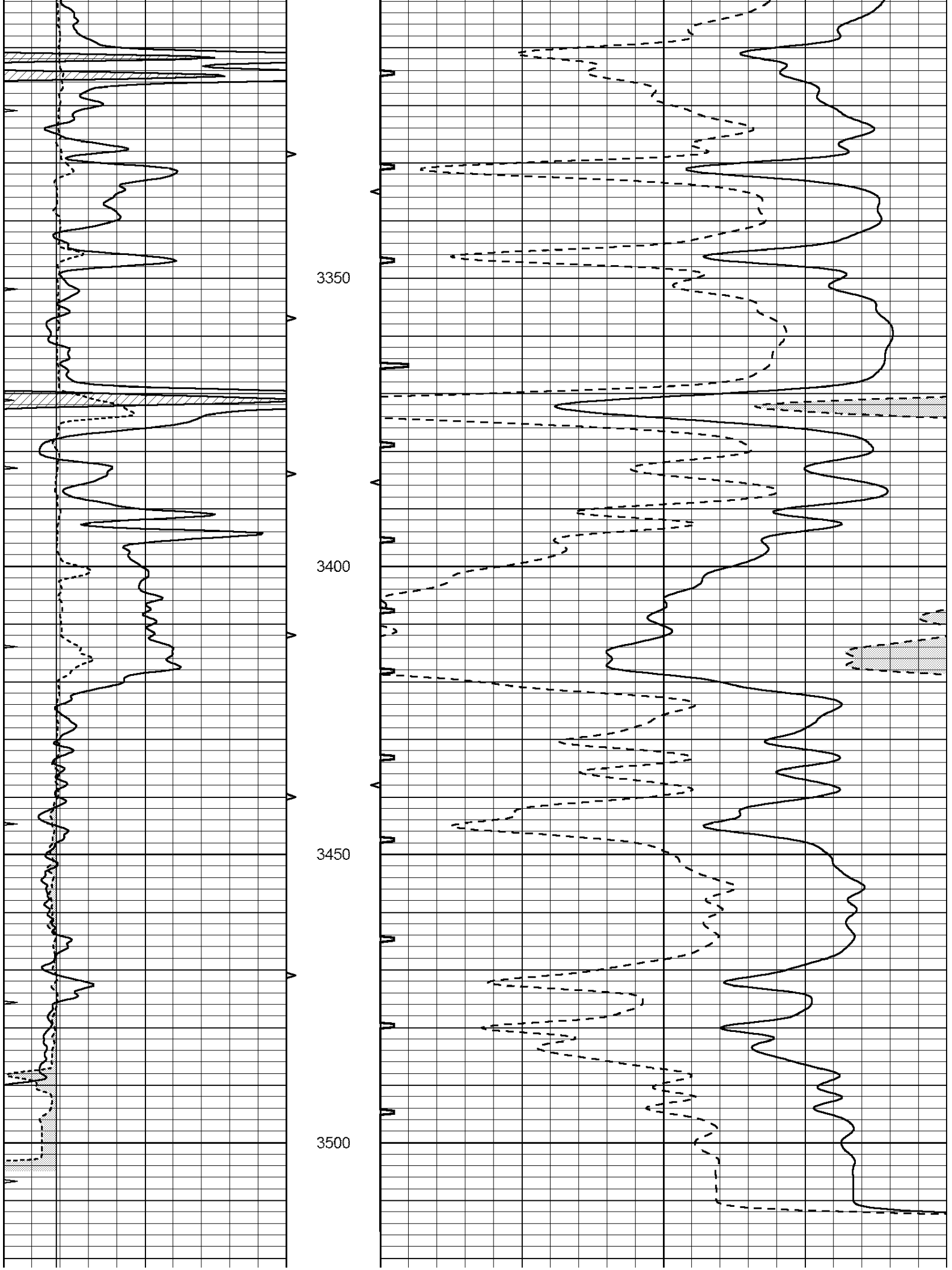
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REPEAT SECTION

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Charted by:	Depth in Feet scaled 1:240

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0	MINMK	20	TBHV	0	ITT (msec)	20	
			0 (ft3) 10				




3350
3400
3450
3500

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				