SUPERIOR
Hays,
Kansas

SONIC LOG

Company HESS OIL COMPANY
Well PFISTER #1-6
Field FREY
County STAFFORD State KANSAS

Location: API # : 15-185-23653

990' FSL & 470' FEL

SEC 6 TWP 21S RGE 14W

Other Services
CDL/CNL
DIL/MEL

Elevation
K.B. 1927
D.F.
G.L. 1922

Permanent Datum GROUND LEVEL Elevation 1922
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Company HESS OIL COMPANY
Well PFISTER #1-6
Field FREY
County STAFFORD
State KANSAS

Date	12-14-10		
Run Number	TWO		
Depth Driller	3800		
Depth Logger	3800		
Bottom Logged Interval	3793		
Top Log Interval	880		
Casing Driller	888		
Casing Logger	888		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.2 / 57		
pH / Fluid Loss	10.5 / 8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.10 @ 70F		
Rmf @ Meas. Temp	0.83 @ 70F		
Rmc @ Meas. Temp	1.32 @ 70F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.680 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	1:00 A.M.		
Maximum Recorded Temperature	113F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	DEREK PATTERSON		

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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: LARNED & #56, E TO RADIUM BLACKTOP, 7S TO RD. #200, 1/8W, N INTO.

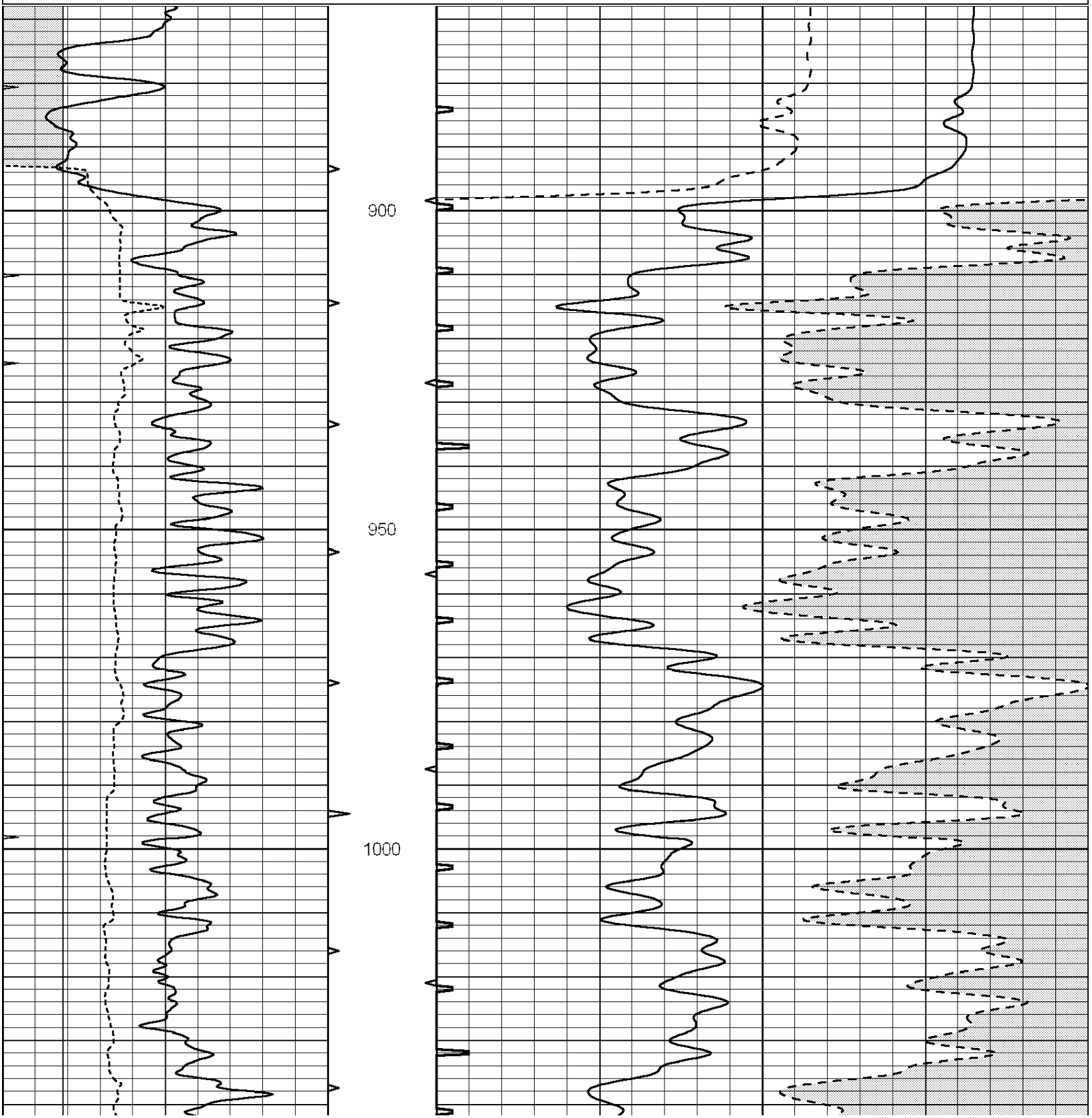
MAIN SECTION

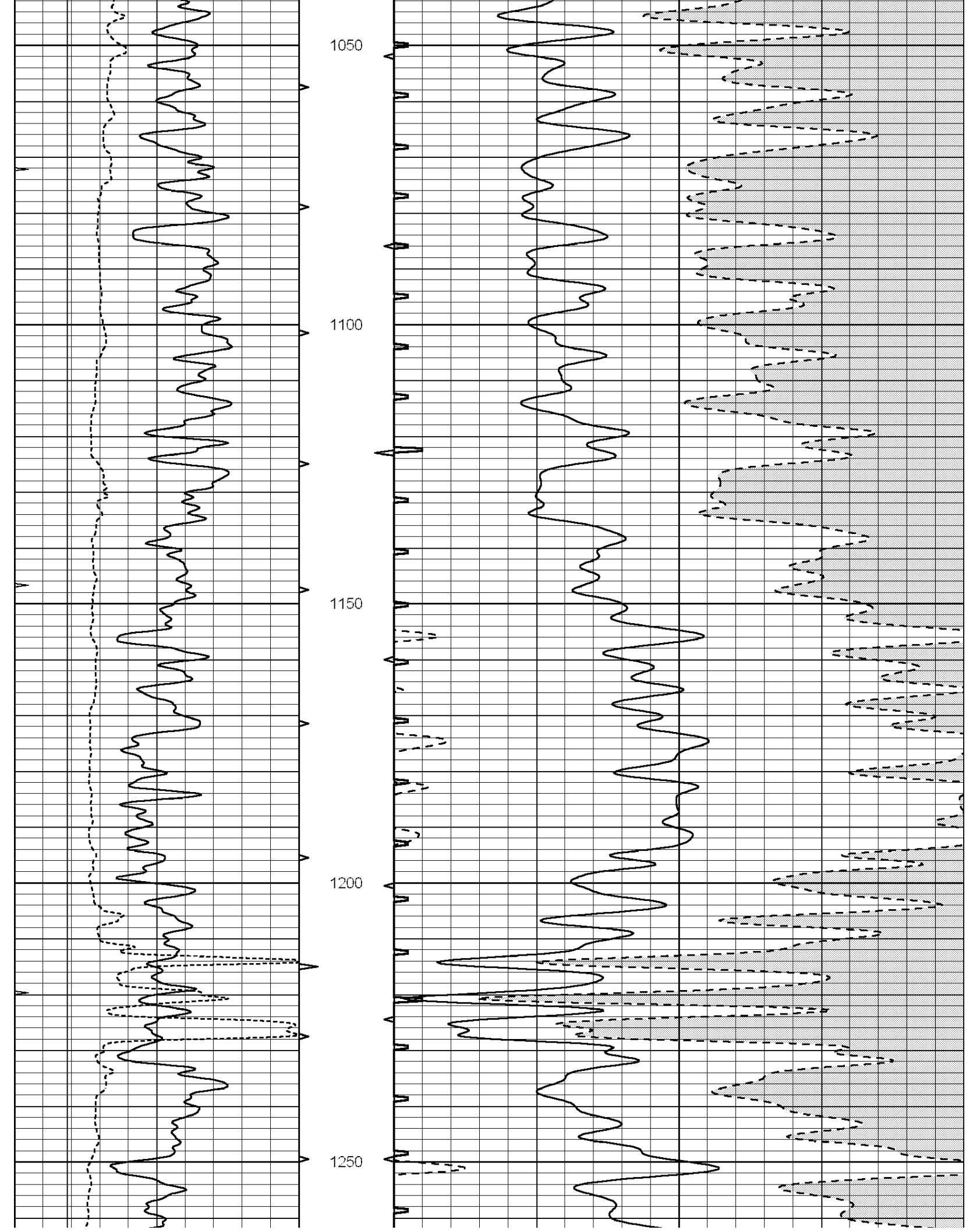
SUPERIOR
Hays,

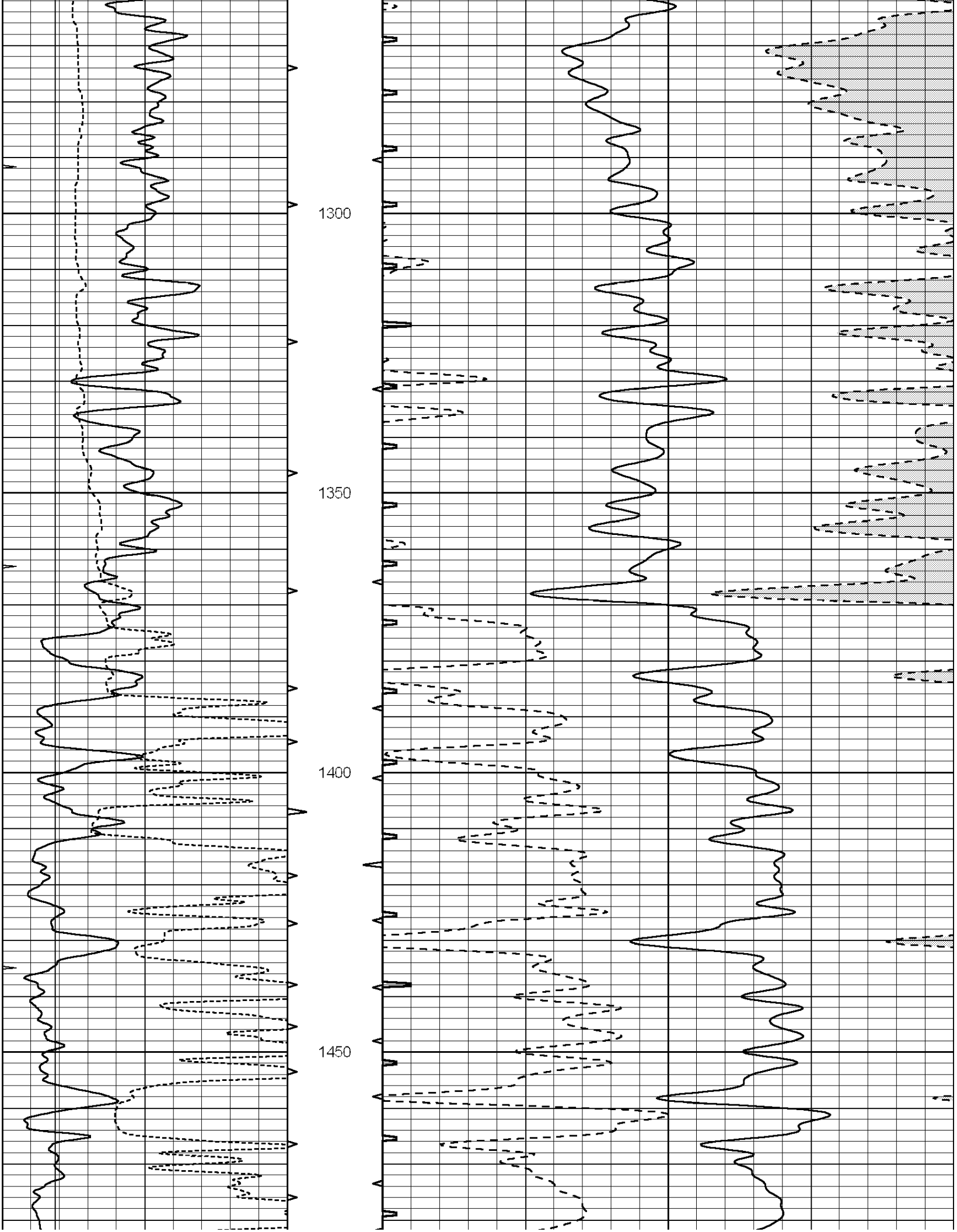
Kansas

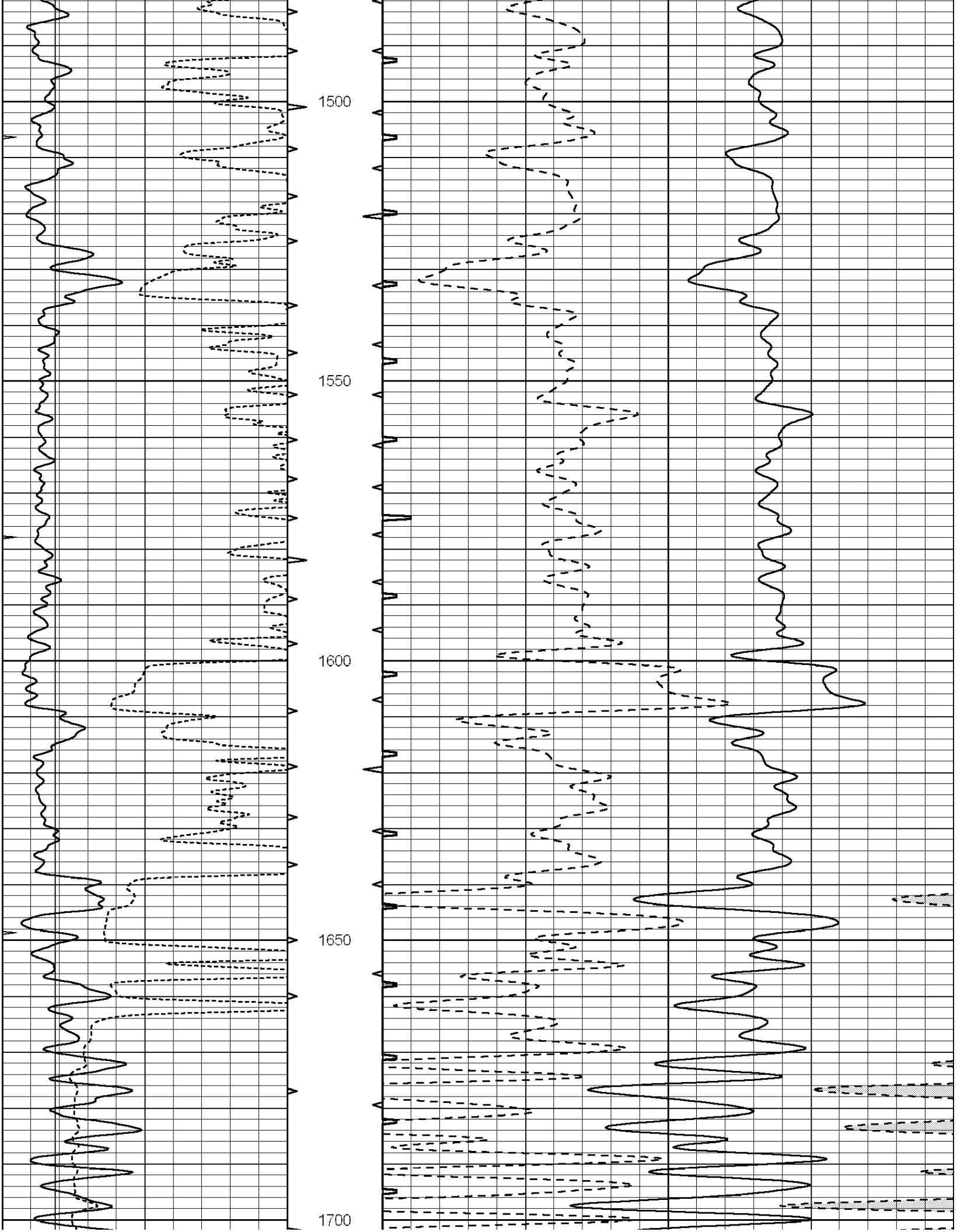
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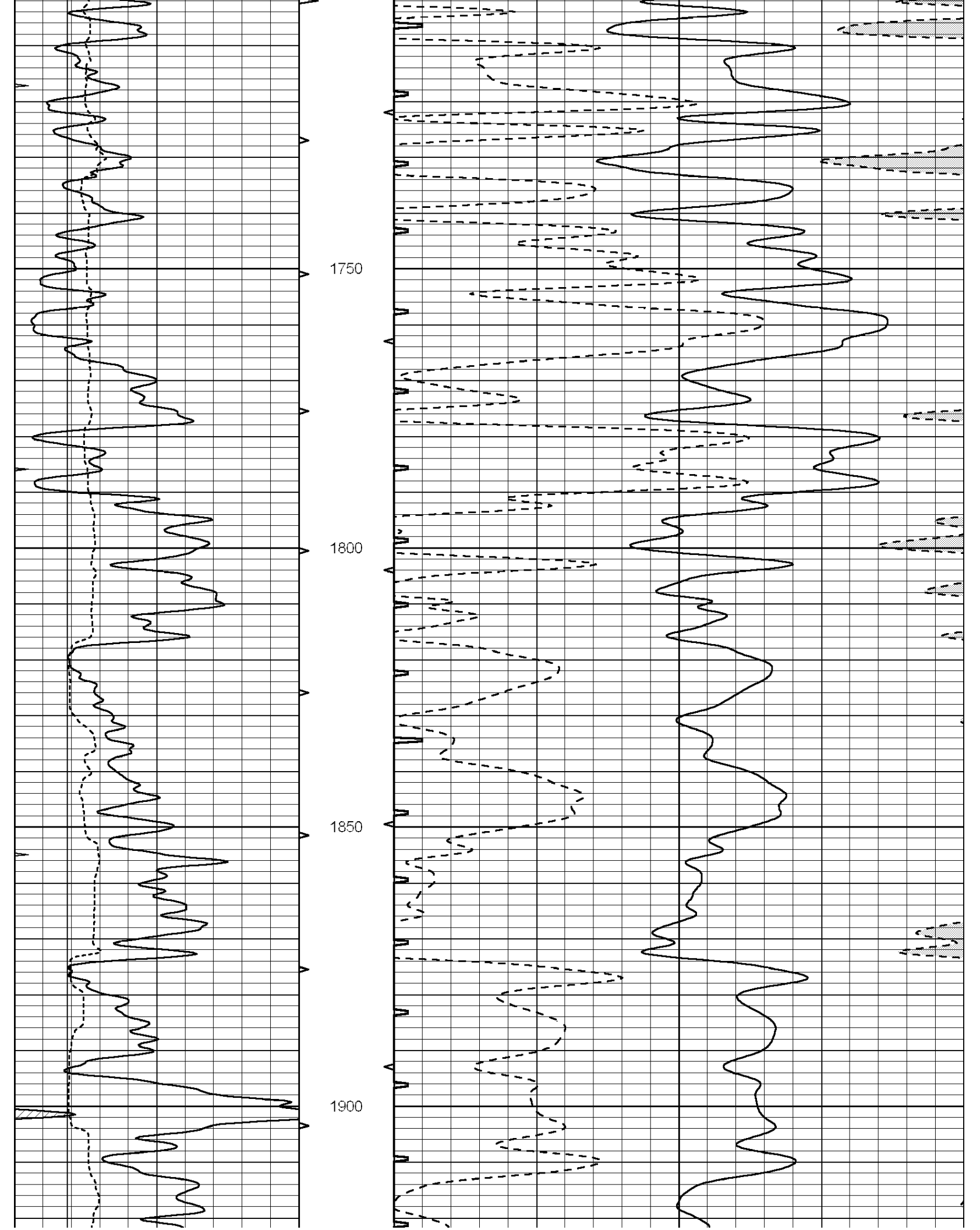
0	GAMMA RAY (GAPI) 150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in) 16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
0	MINMK 20	TBHV	0	ITT (msec) 20	
		0 (ft3) 10			

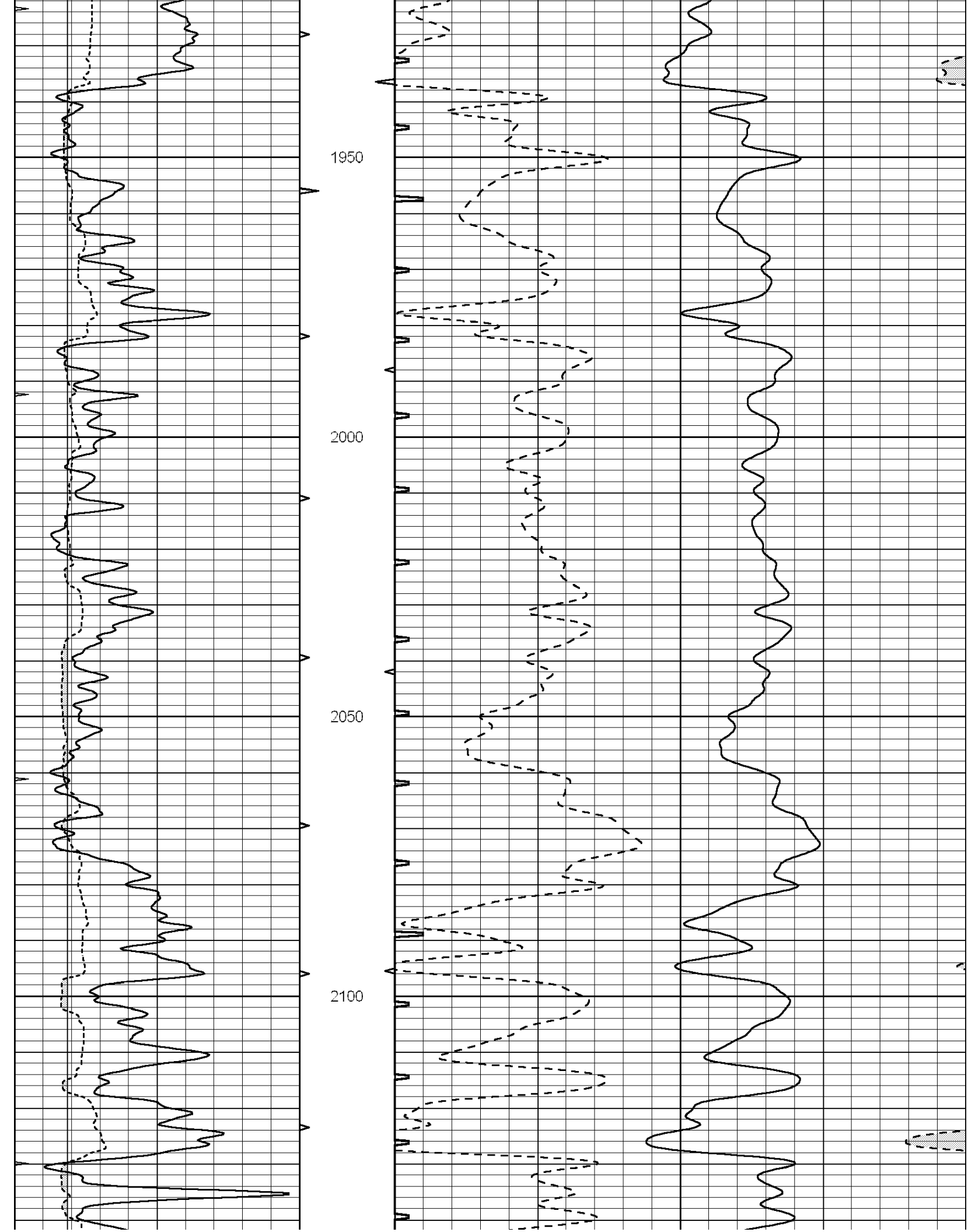


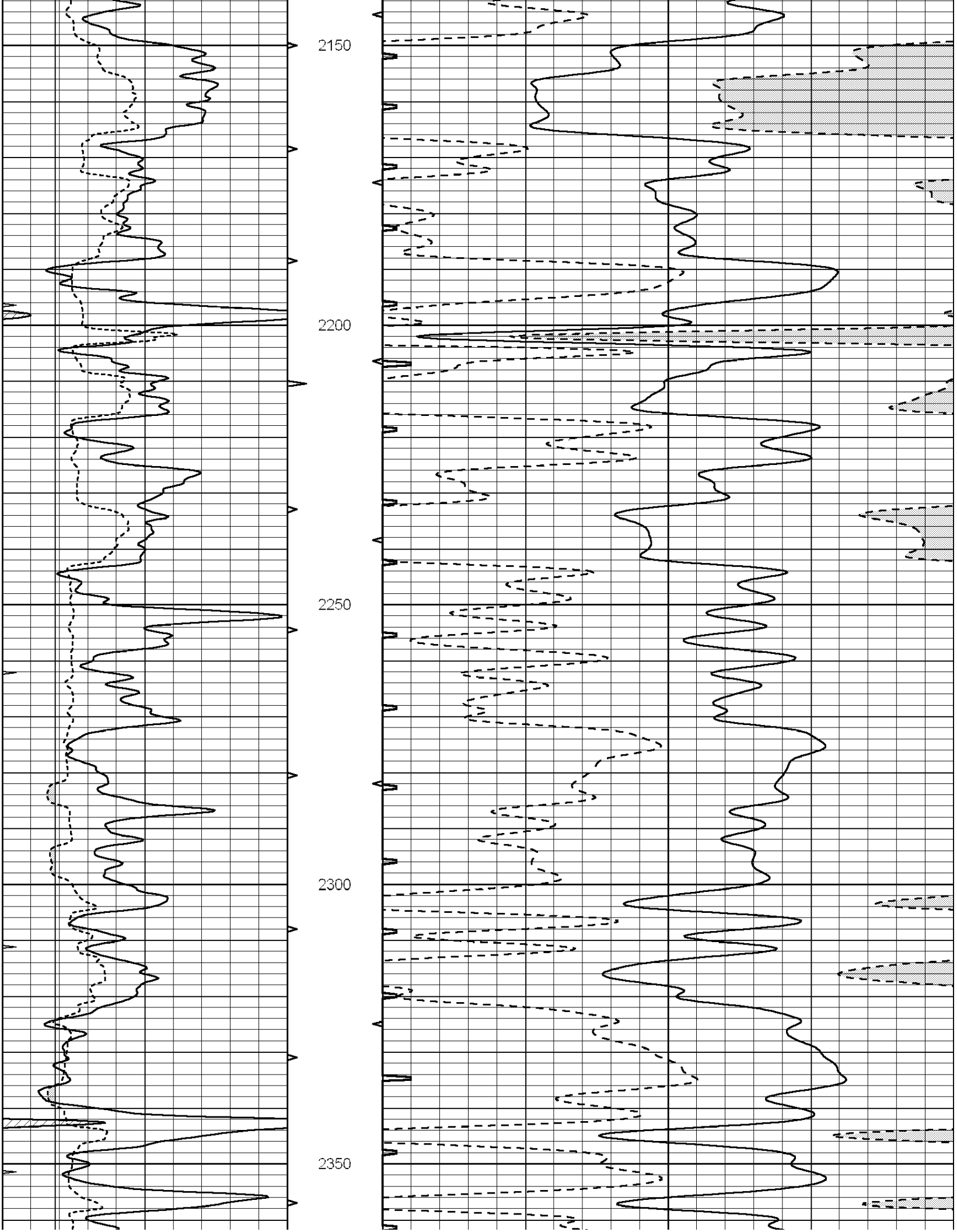

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1150
1200
1250

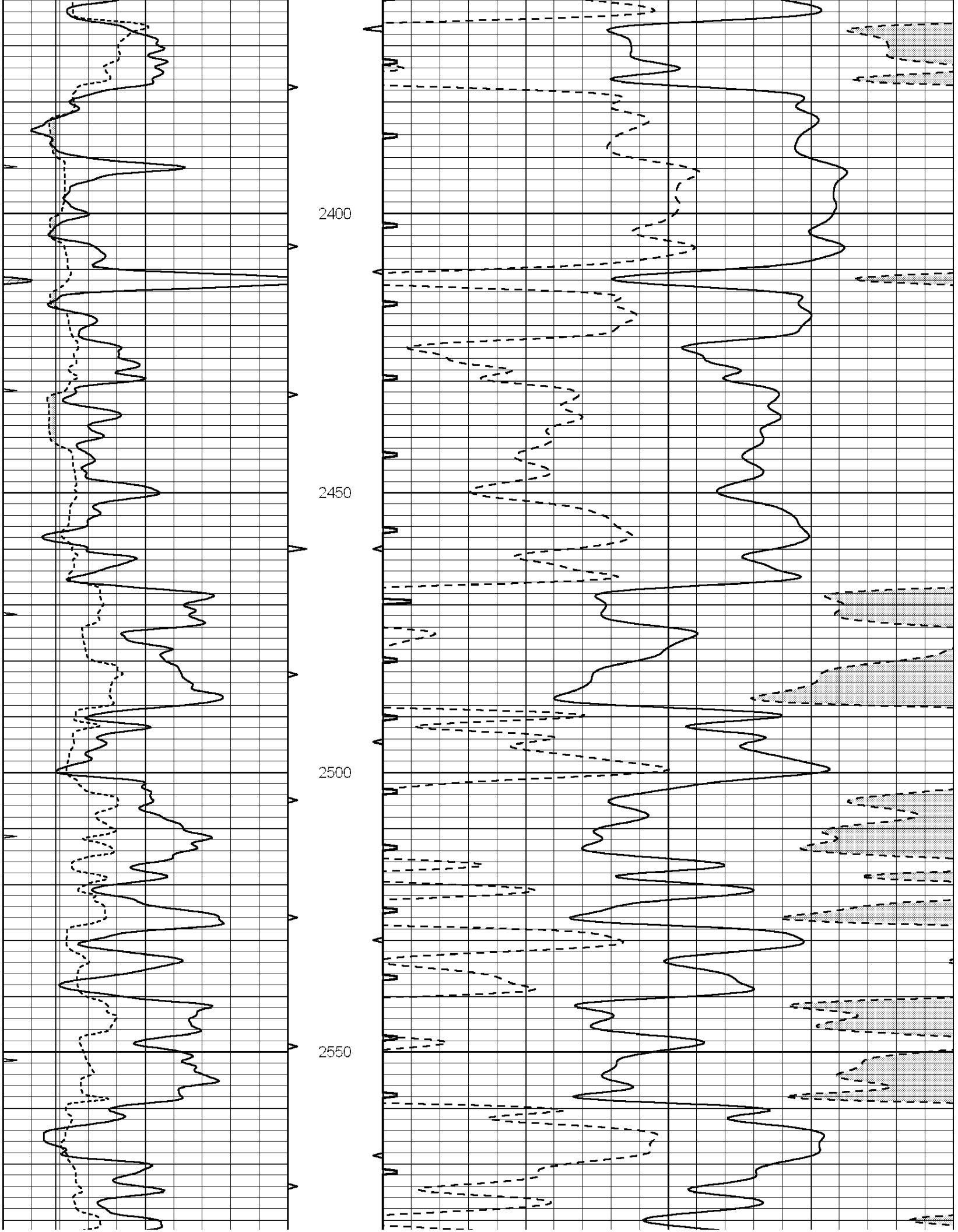

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1350
1400
1450

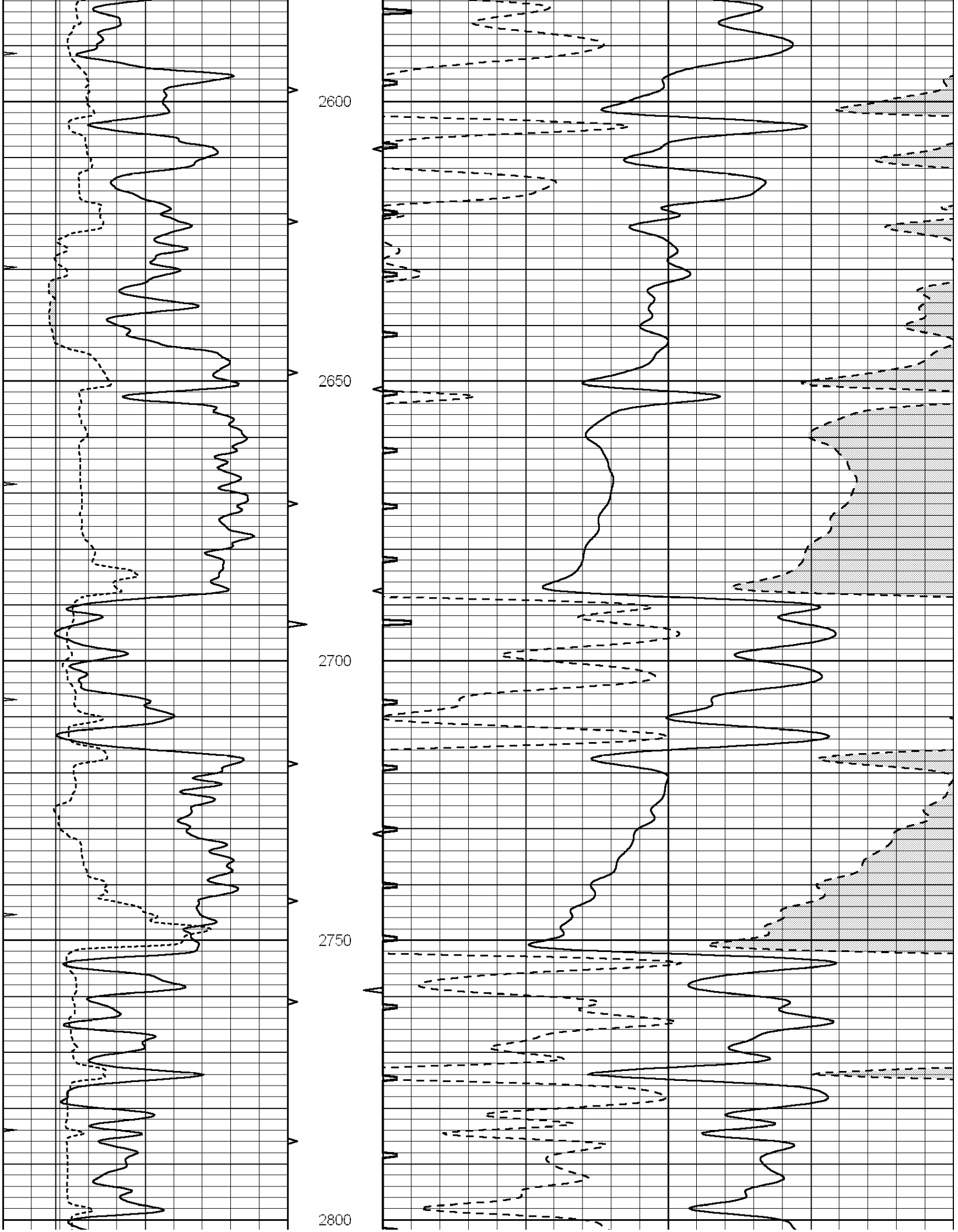

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1650
1700

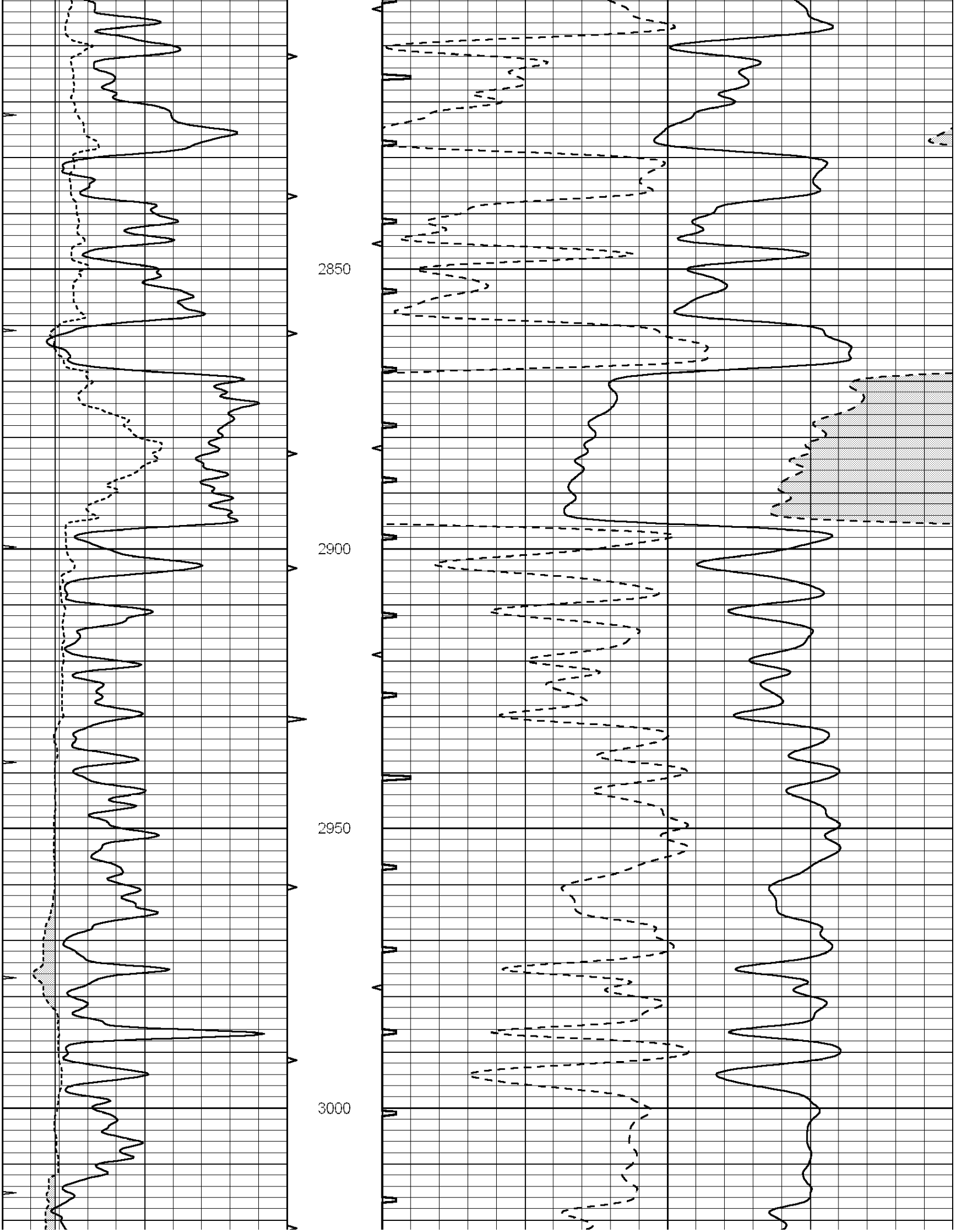

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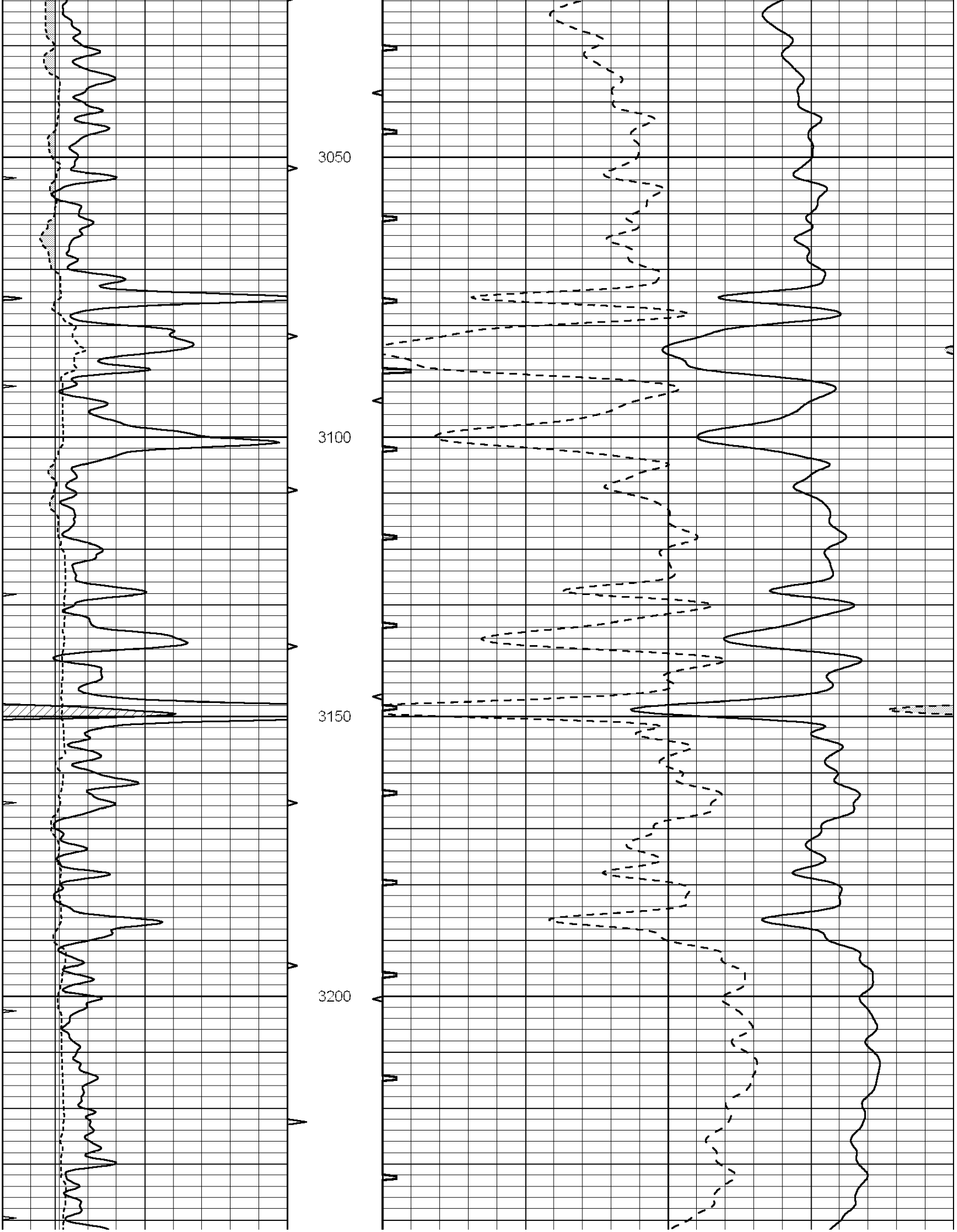

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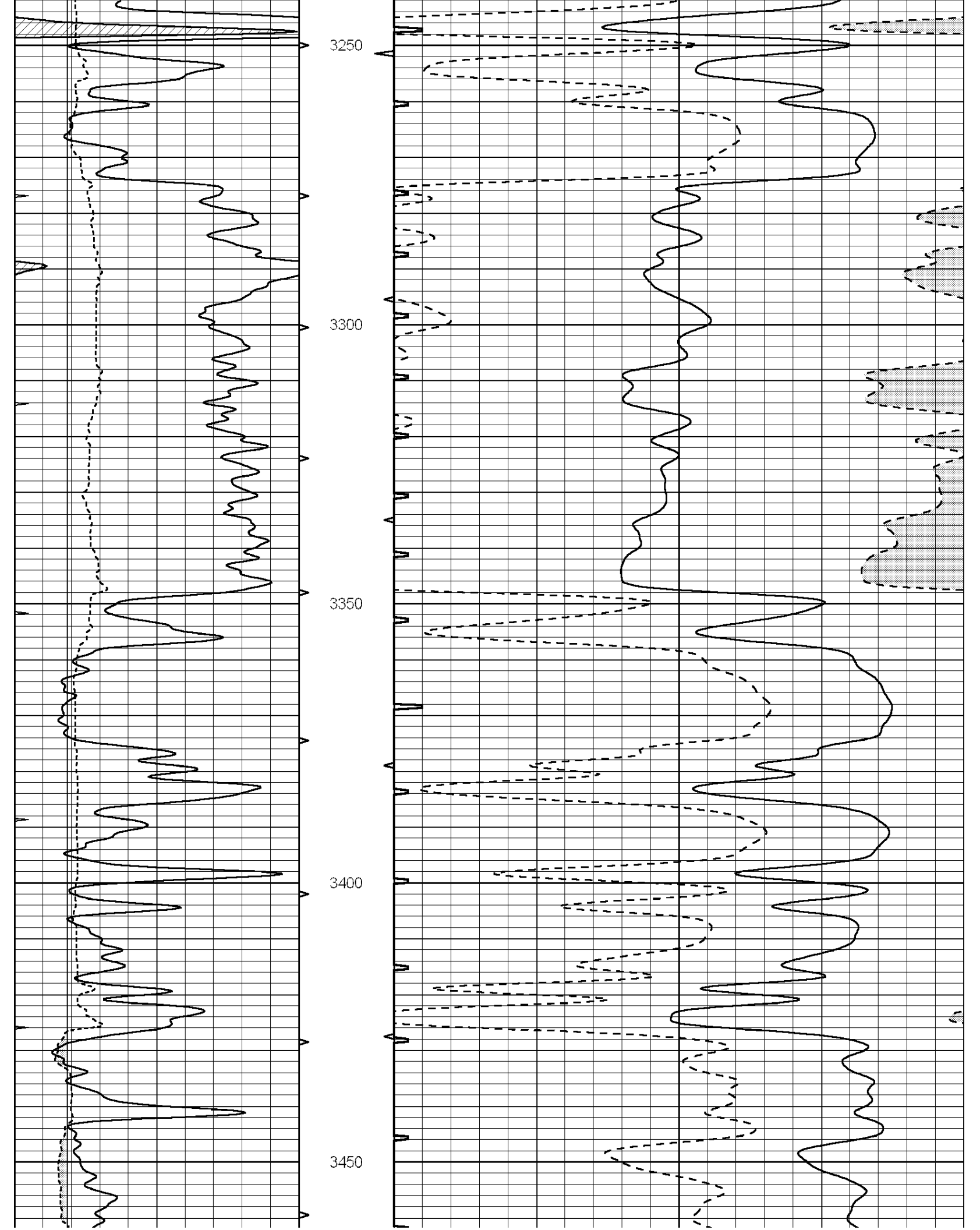

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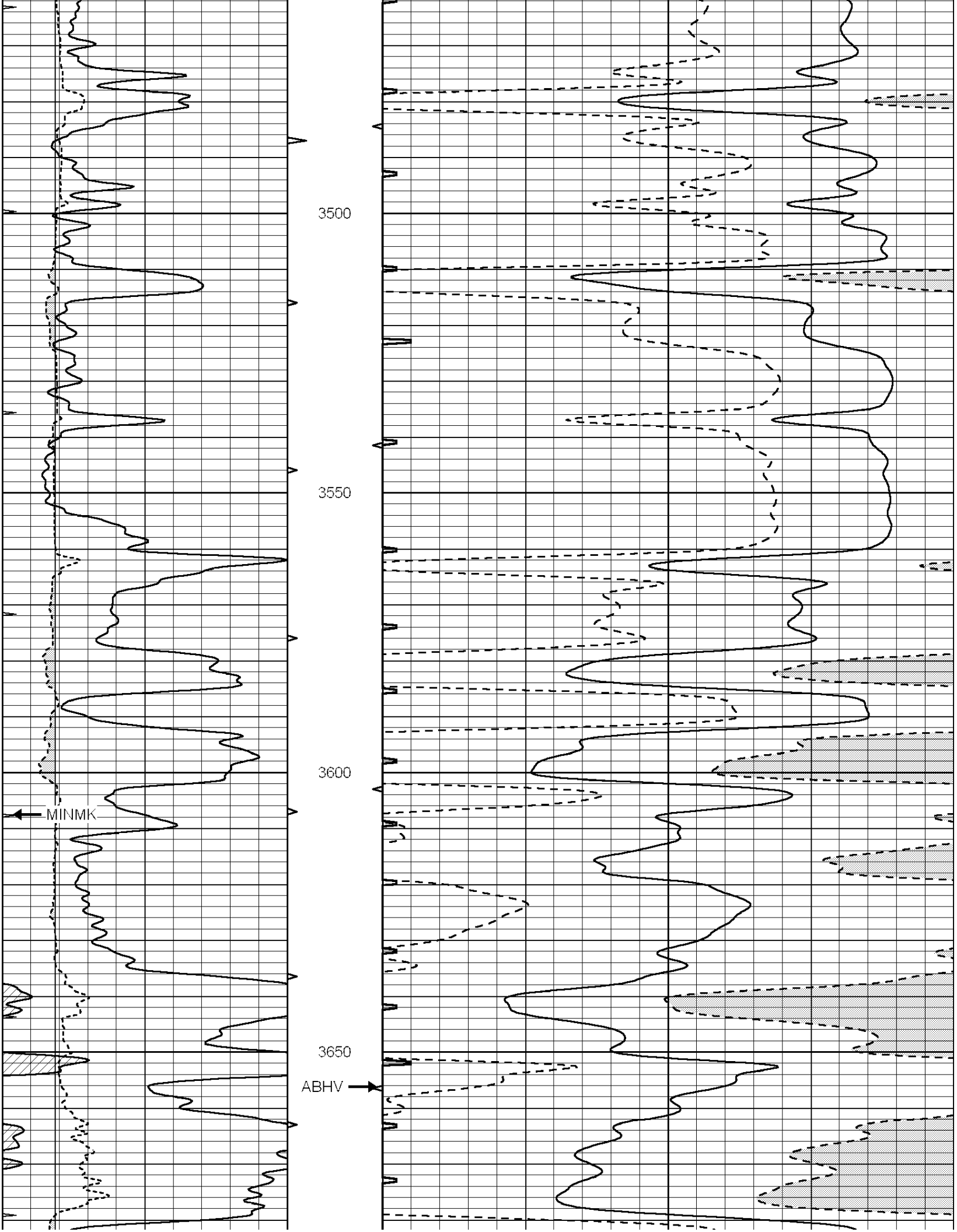

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2550

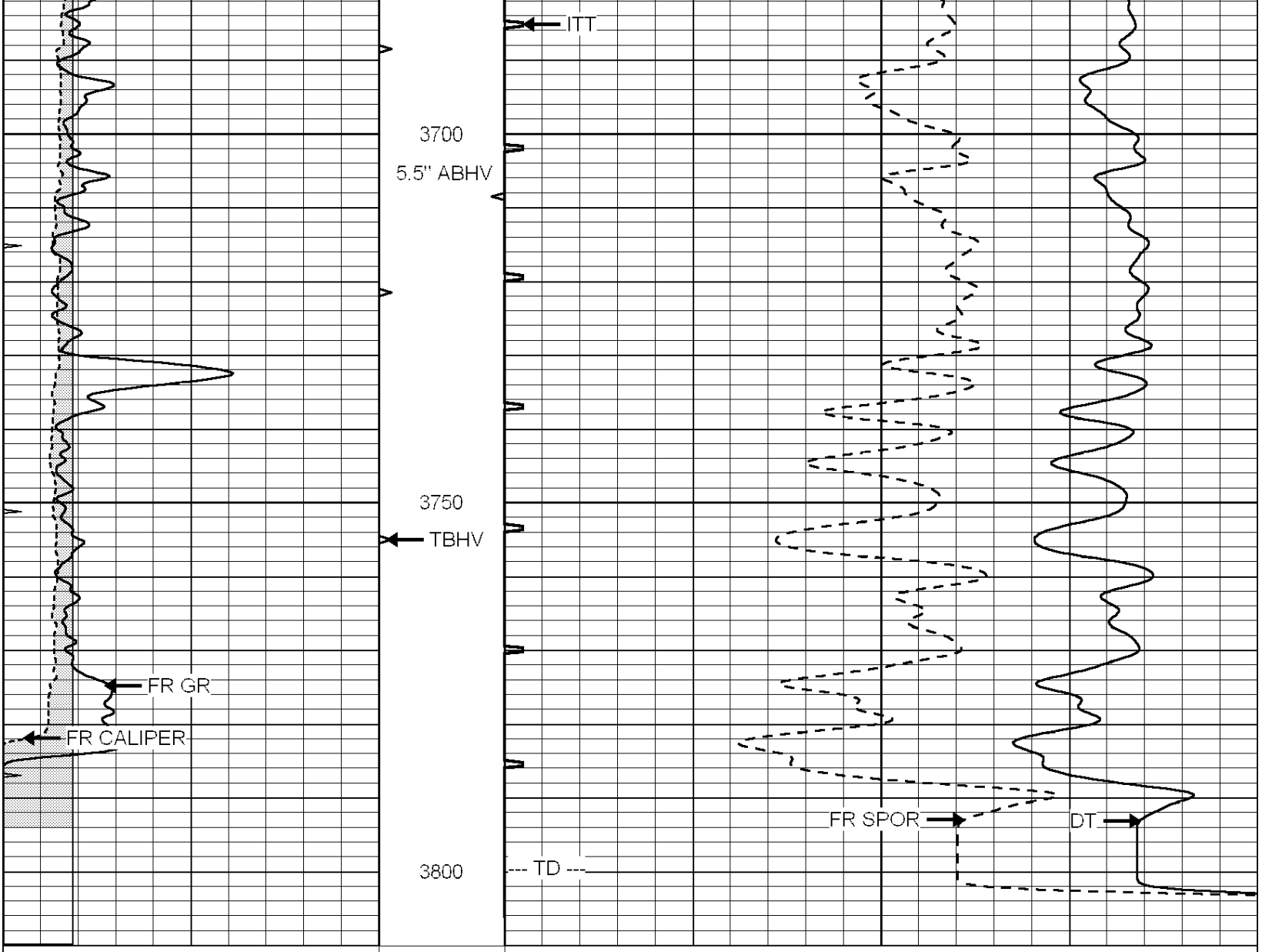

2600
2650
2700
2750
2800


2850
2900
2950
3000


3050
3100
3150
3200


3250
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3600
MINMK
3650
ABHV

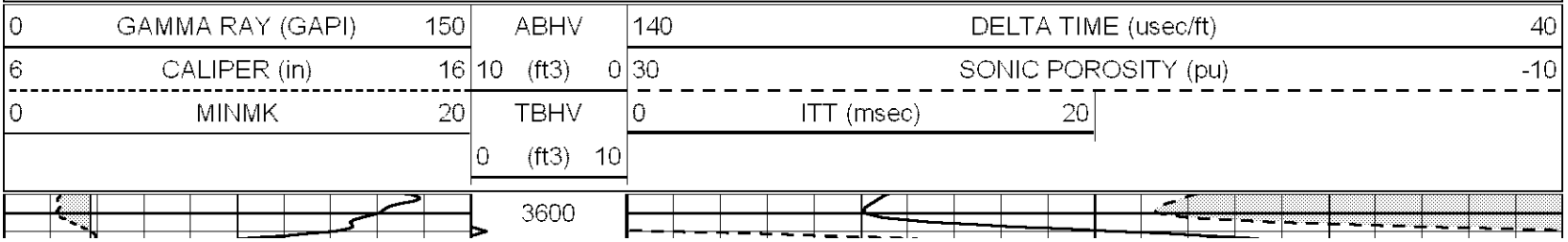


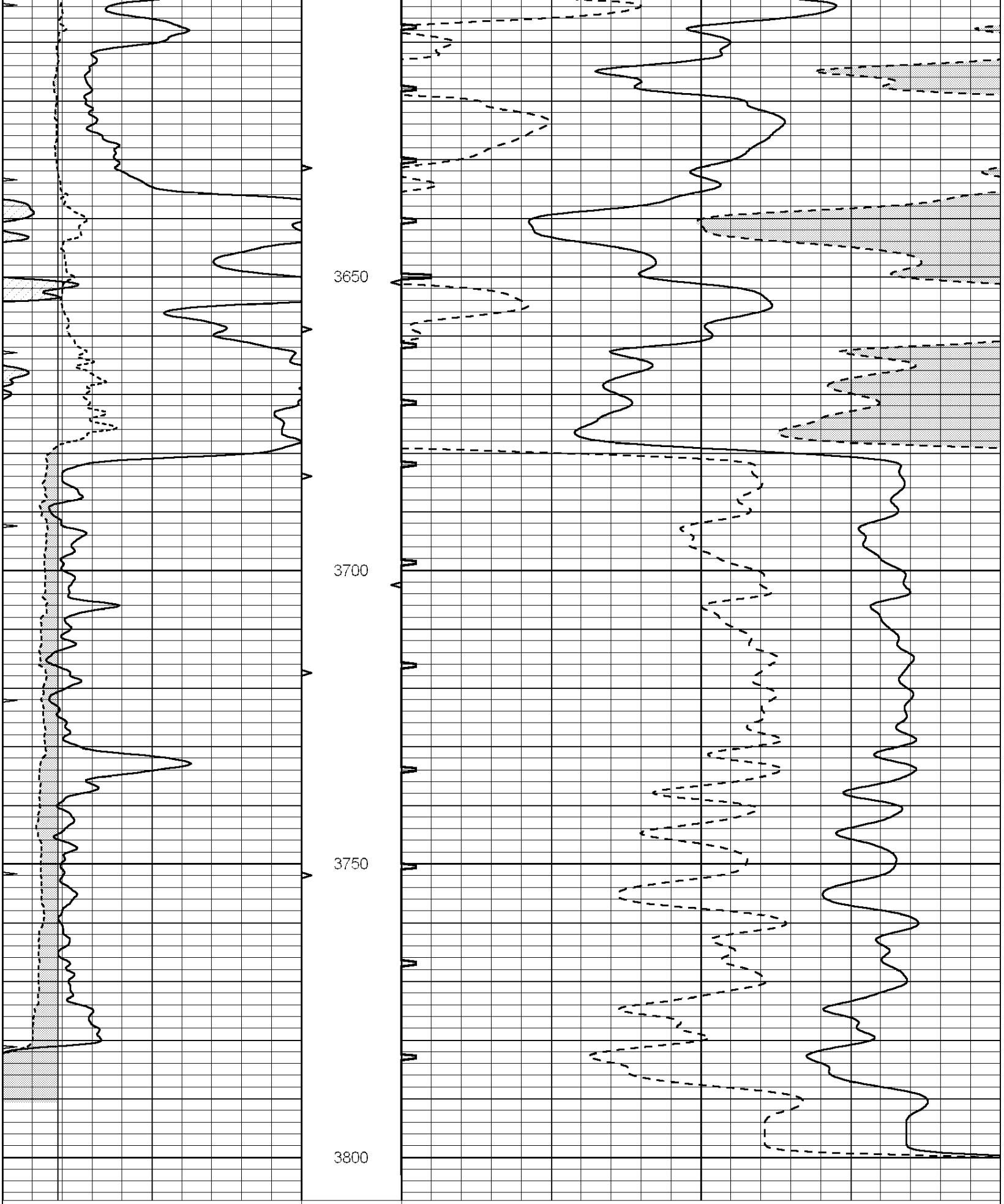
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REPEAT SECTION

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Presentation Format:	slt
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Charted by:	Depth in Feet scaled 1:240




3650
3700
3750
3800
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