SONIC LOG

Company L. D. DRILLING, INC.
Well #1-27 HICKERT FARMS
Field WILDCAT
County GRAHAM
State KANSAS

Company L. D. DRILLING, INC.
Well #1-27 HICKERT FARMS
Field WILDCAT
County GRAHAM State KANSAS
Location: API # : 15-065-24147-0000
1199' FNL & 2452' FEL
SW - SW - NW - NE
SEC 27 TWP 6S RGE 25W

Other Services
CDL/CNL
DIL/MEL

Permanent Datum GROUND LEVEL Elevation 2557
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2562
D.F. 2560
G.L. 2557

Date	3/6/19		
Run Number	TWO		
Depth Driller	3996		
Depth Logger	3978		
Bottom Logged Interval	3970		
Top Log Interval	300		
Casing Driller	8 5/8"@349'		
Casing Logger	349		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1,100 PPM	
Density / Viscosity	9.2/49		
pH / Fluid Loss	10.5/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.60@70F		
Rmf @ Meas. Temp	1.20@70F		
Rmc @ Meas. Temp	1.92@70F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	1.01@111F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	4:00 P.M.		
Maximum Recorded Temperature	111F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KIM SHOEMAKER		

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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.

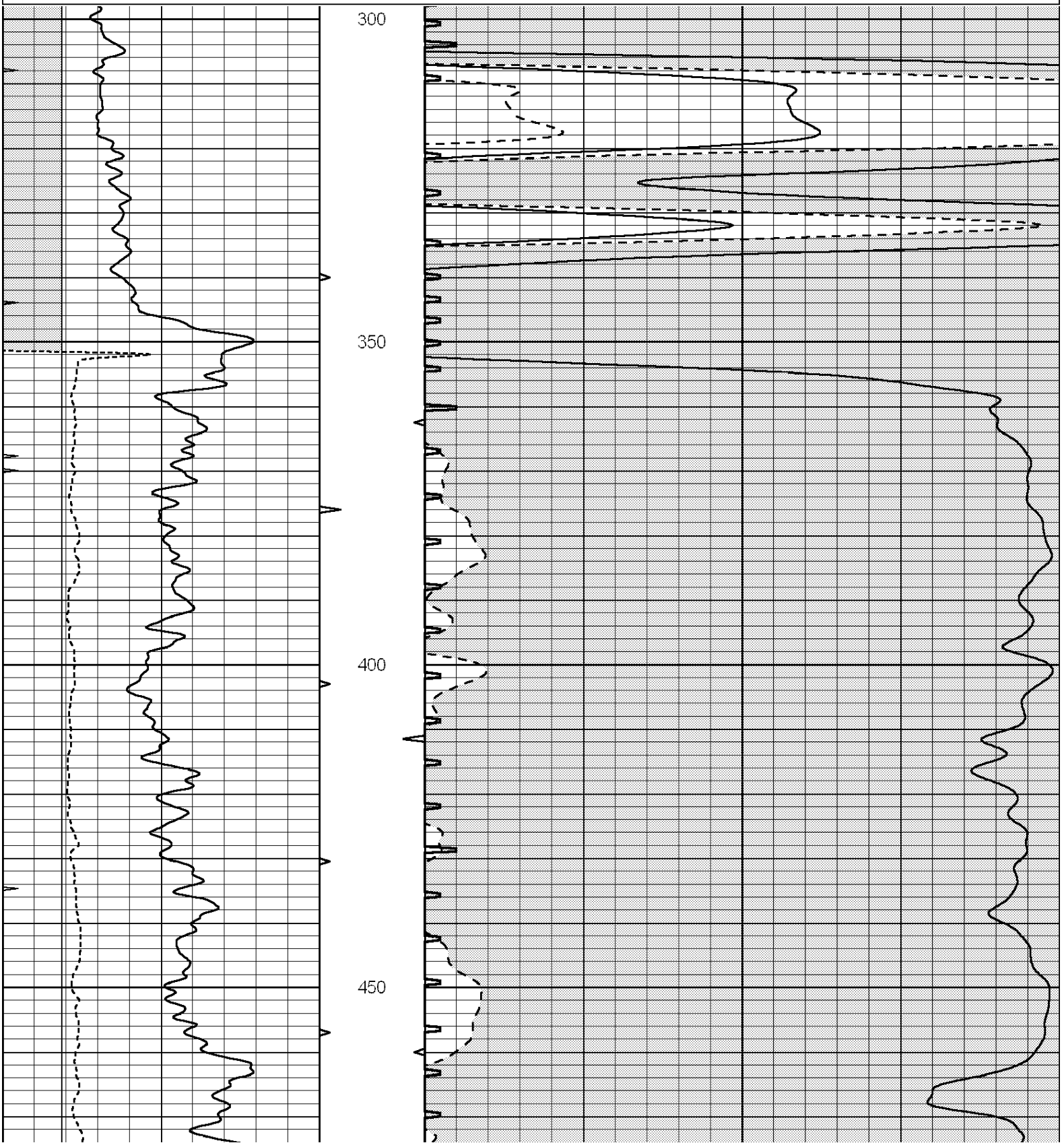
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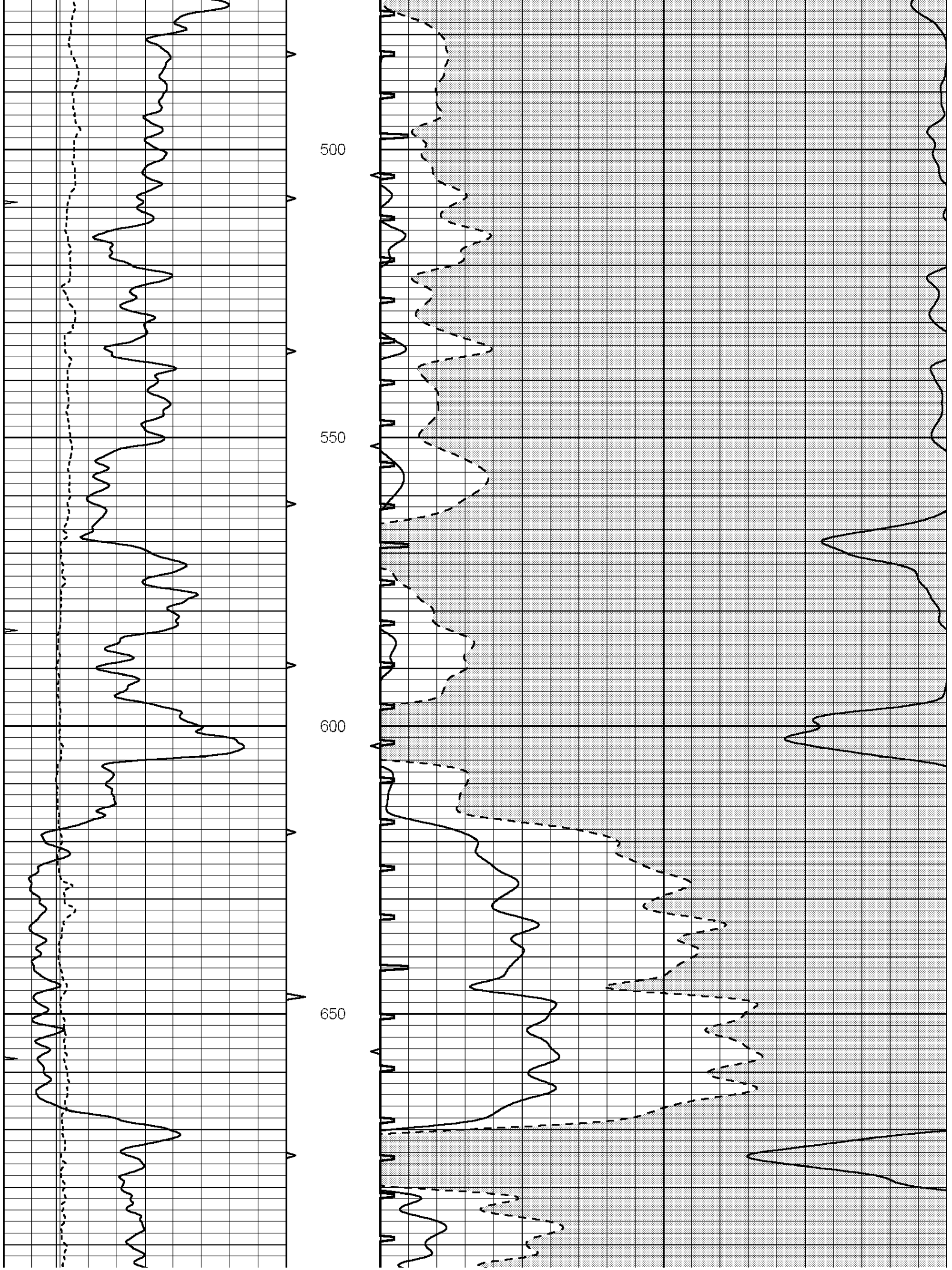
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
MORLAND, KS. & HWY 24, 1 1/2W. ON HWY 24 TO "RD. 135", FOLLOW CURVES TO "RD. 130", STAY ON IT TO "RD. AA" (10 MILES TOTAL), 1/2E., S. INTO

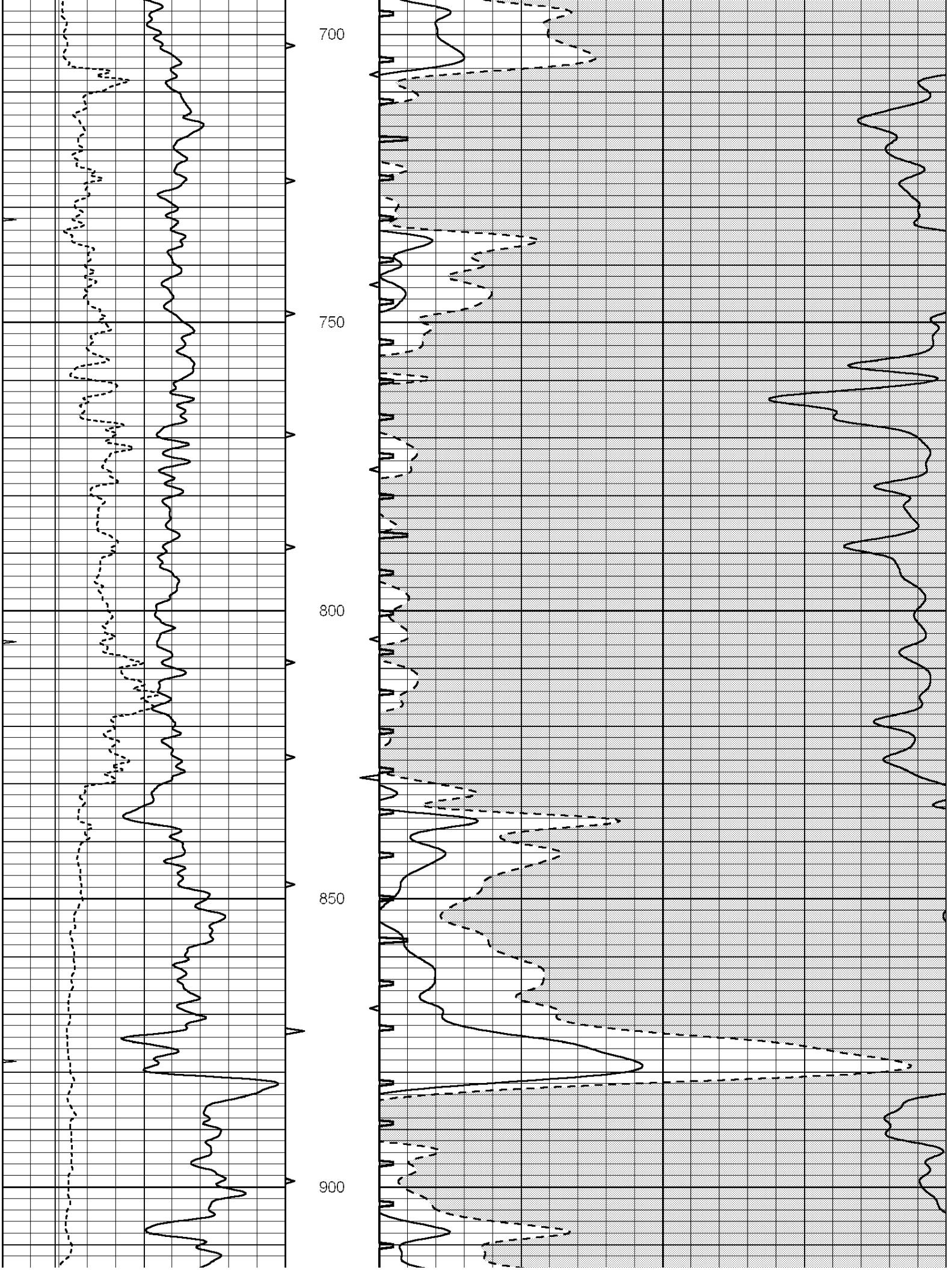
MAIN SECTION

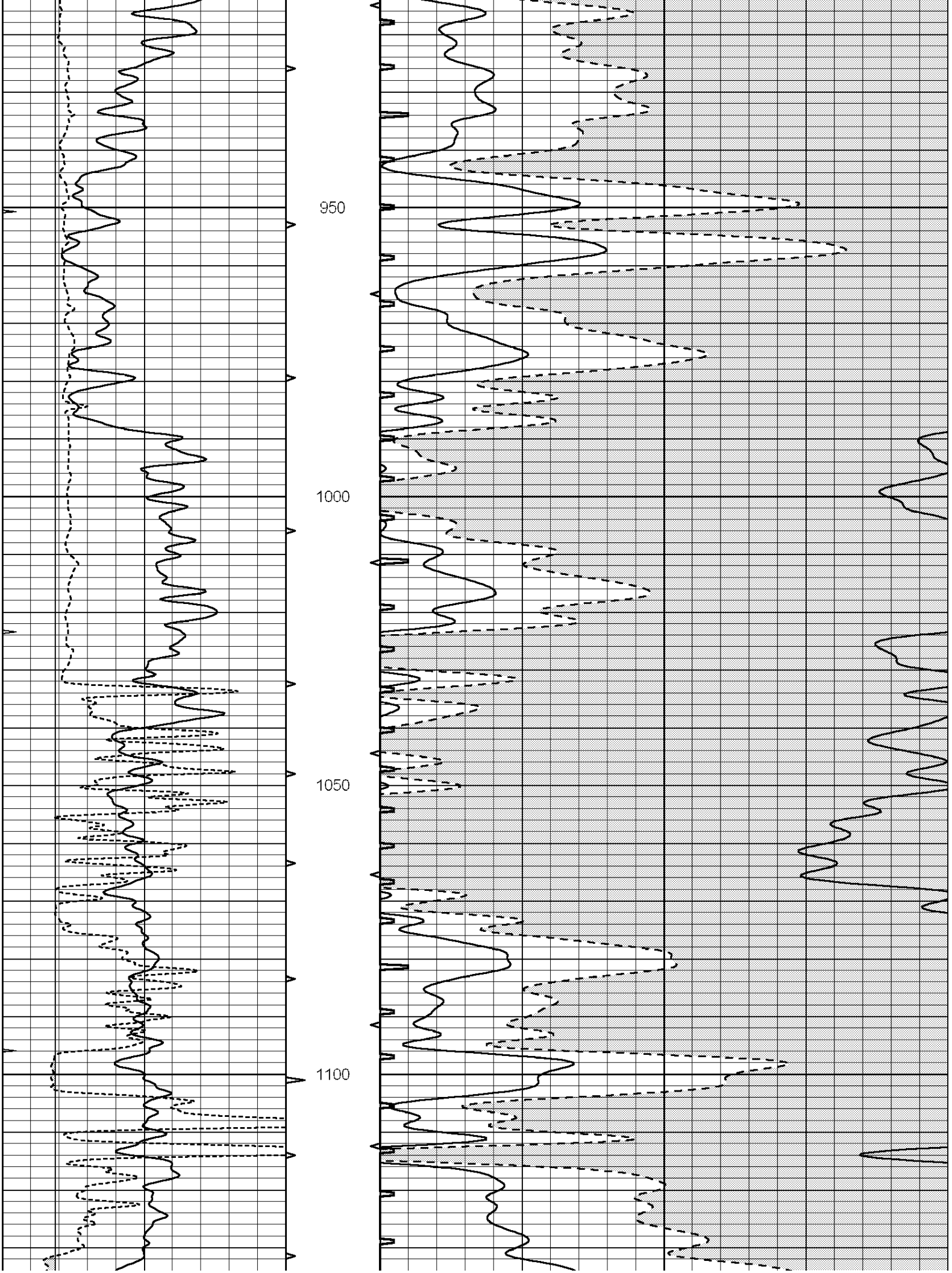
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Dataset Pathname:	pass6.4
Presentation Format:	slt
Dataset Creation:	Wed Mar 06 17:03:30 2019 by Calc SOC 120430
Charted by:	Depth in Feet scaled 1:240

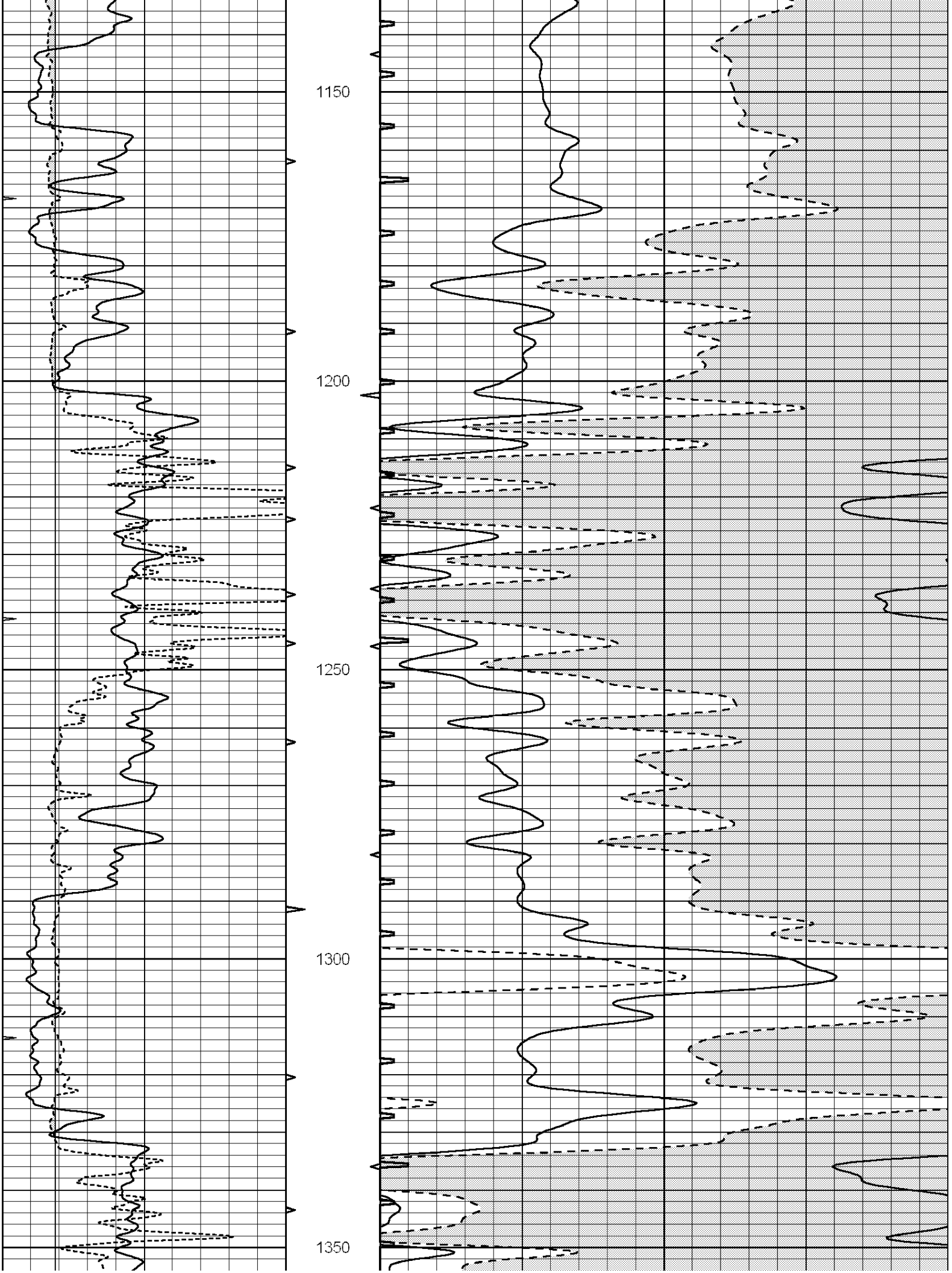
0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft) 40
6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu) -10
0	MINMK	20	TBHV	0	ITT (msec) 20
			0 (ft3) 10		

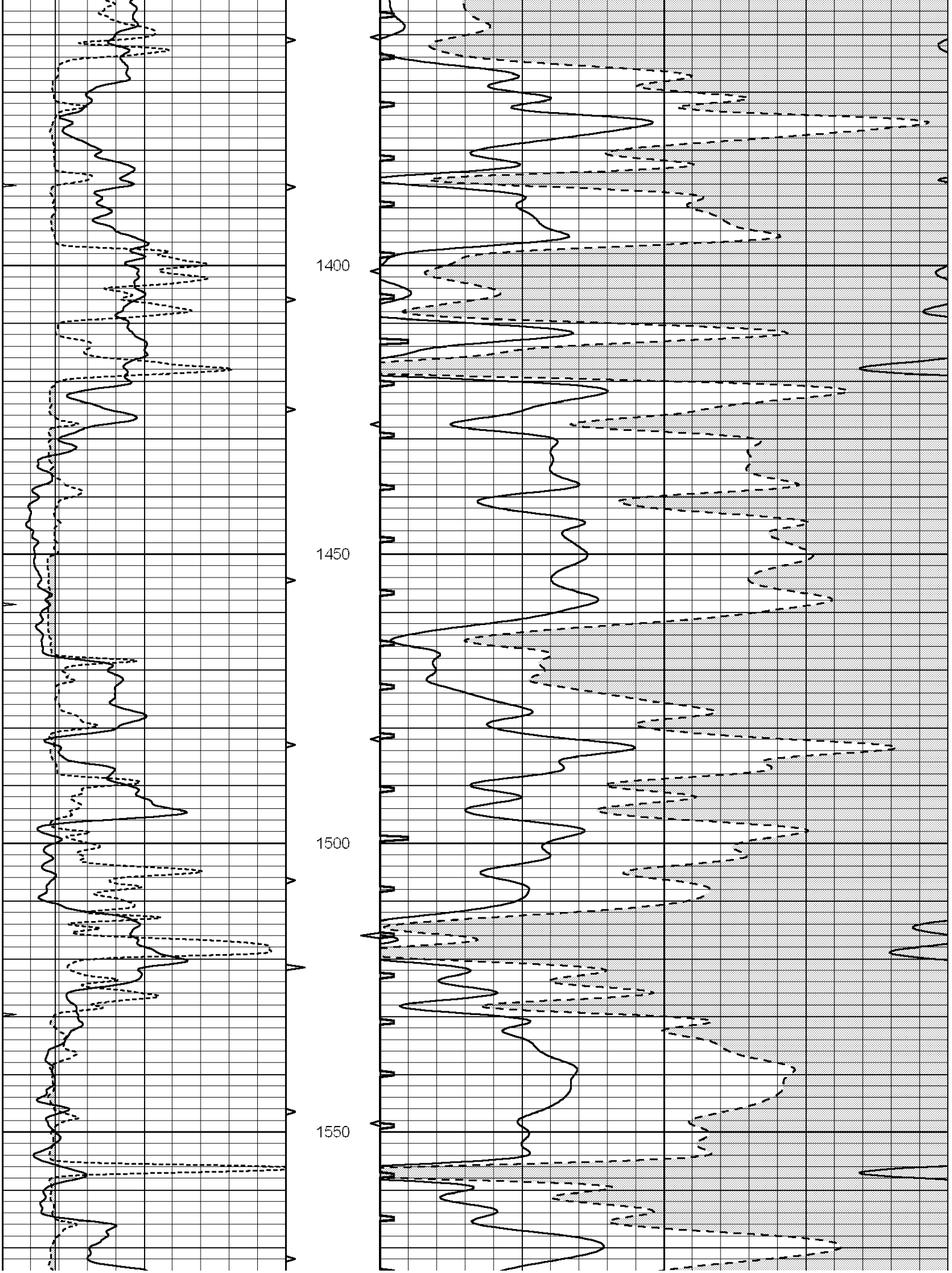


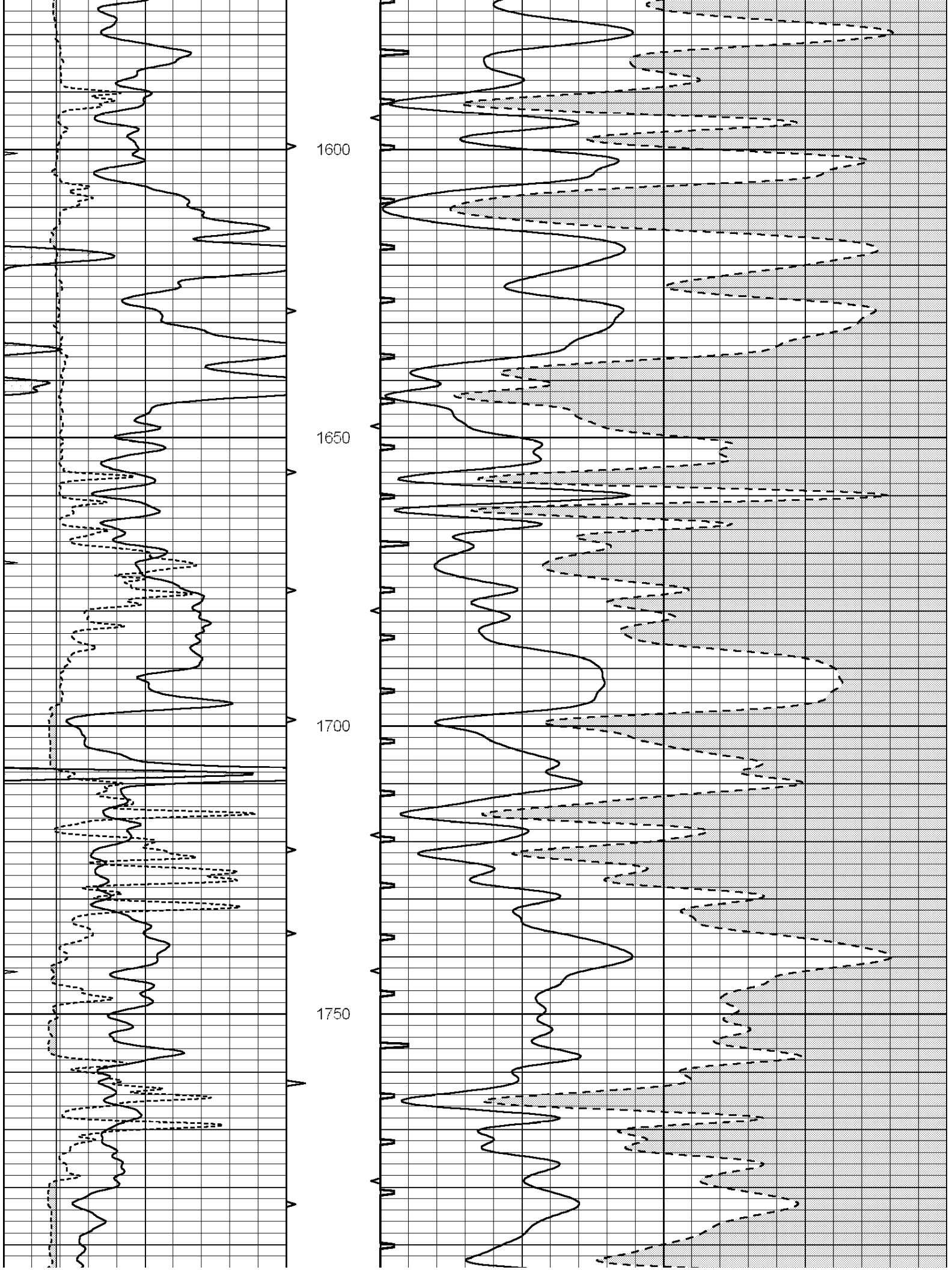

500
550
600
650

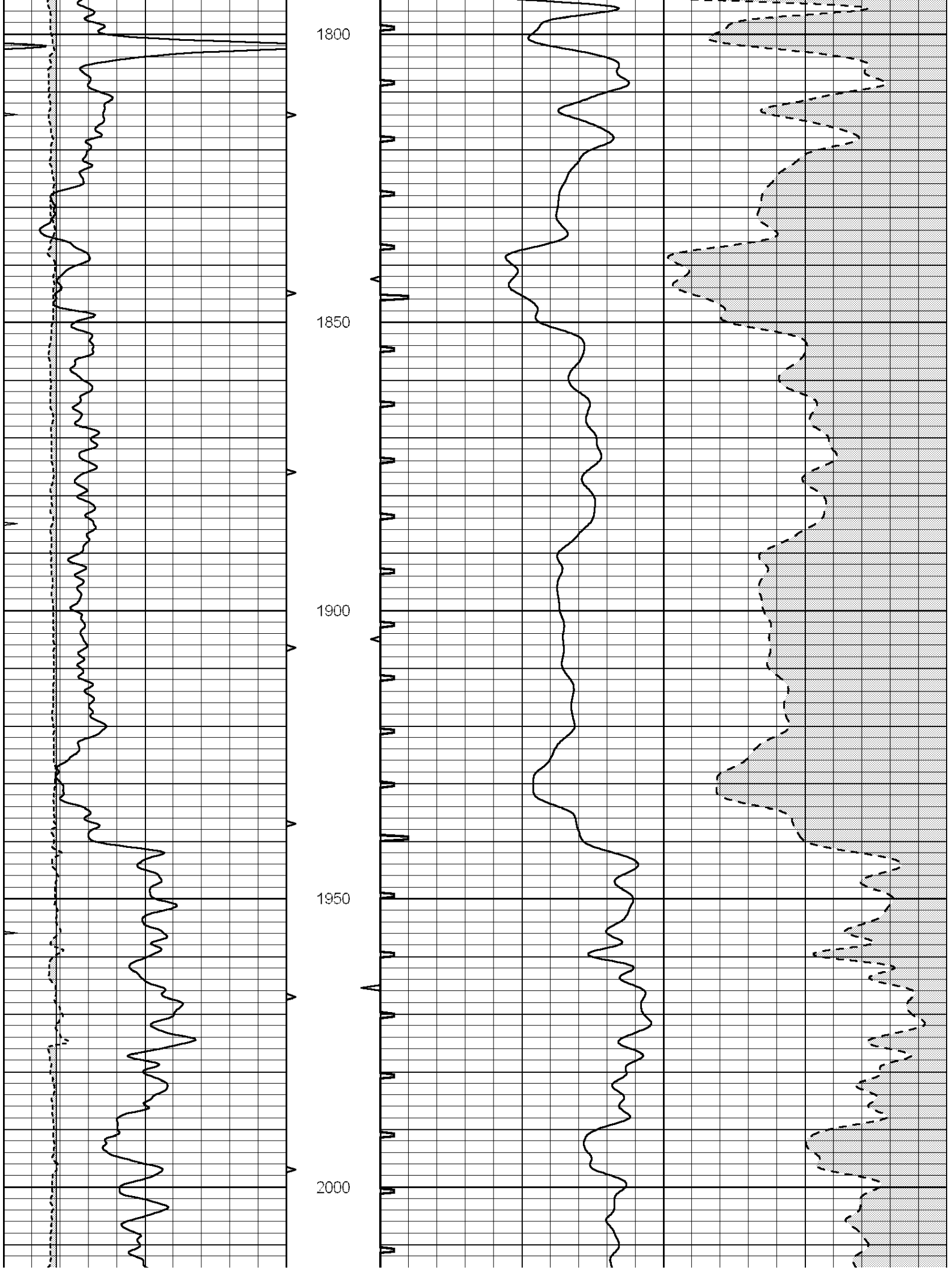

700
750
800
850
900

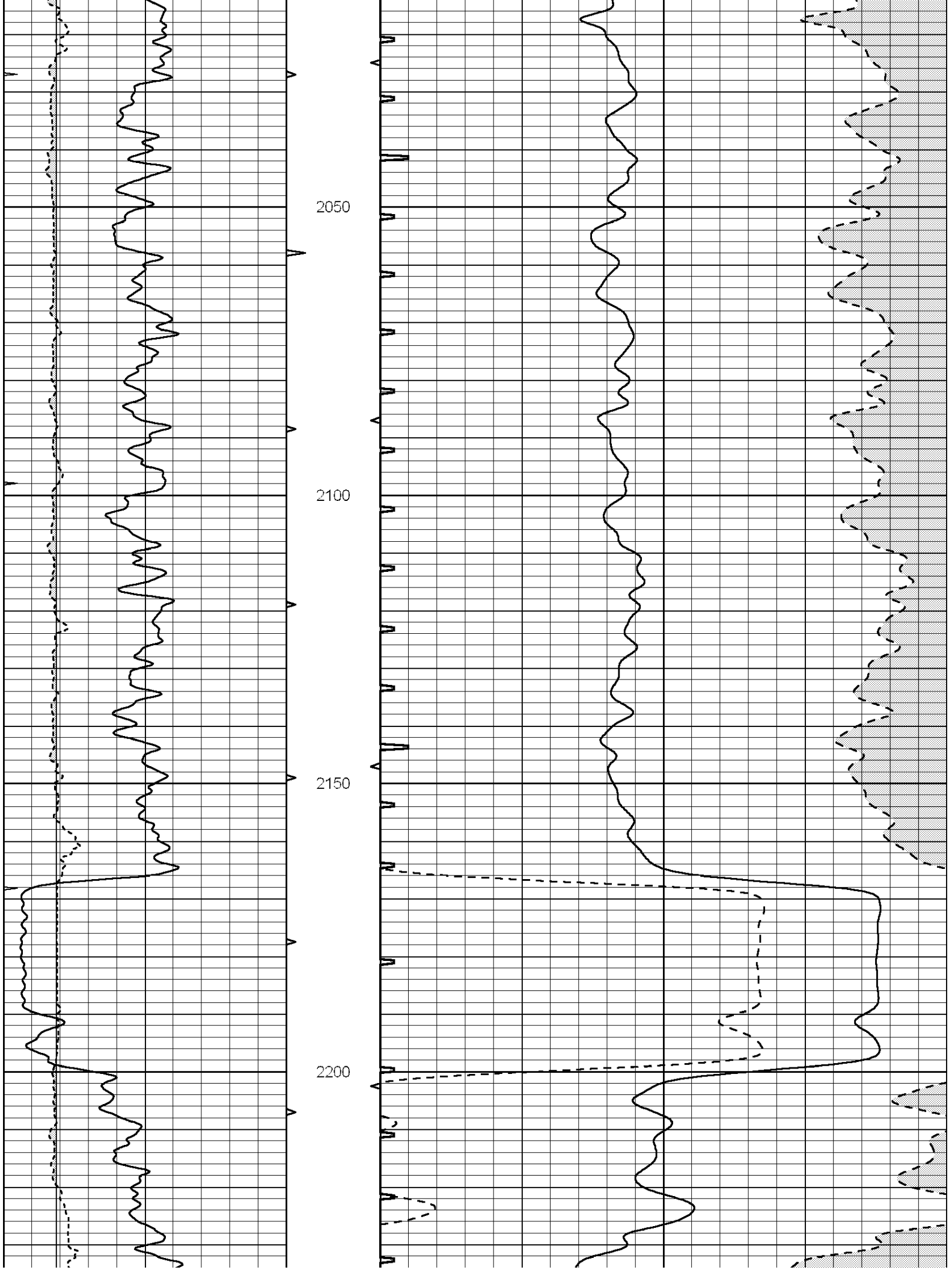

950
1000
1050
1100

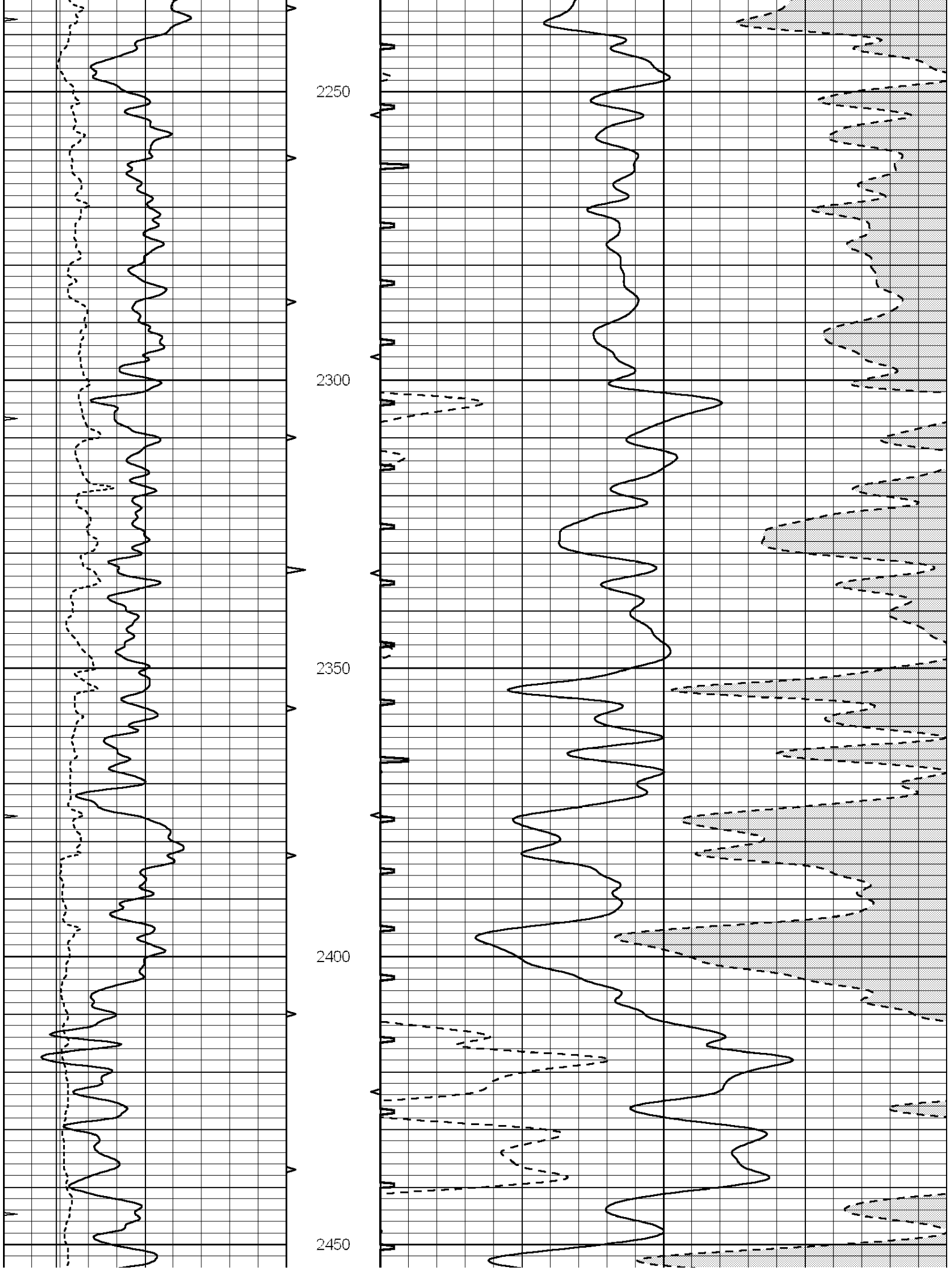

1150
1200
1250
1300
1350

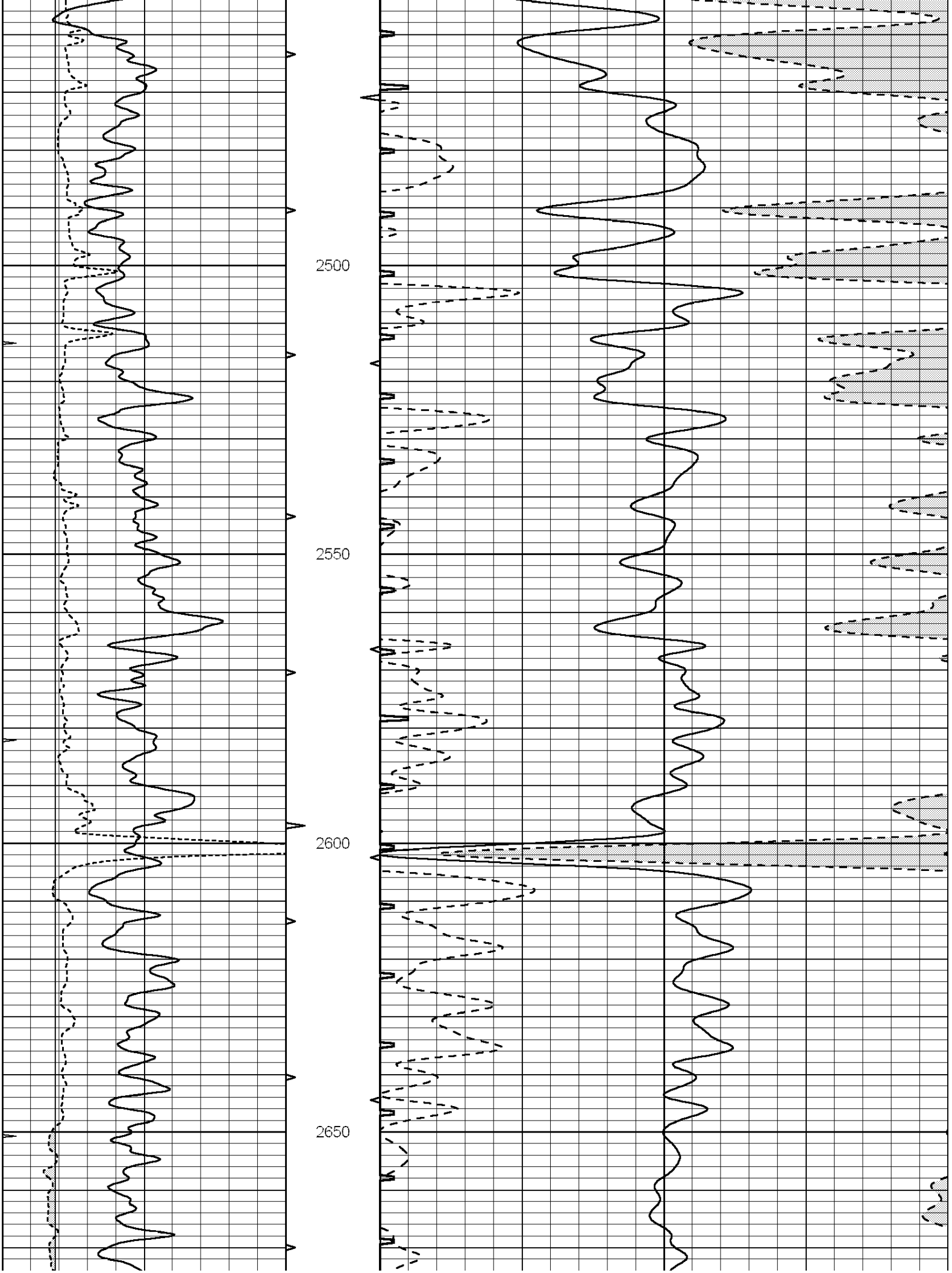

1400
1450
1500
1550

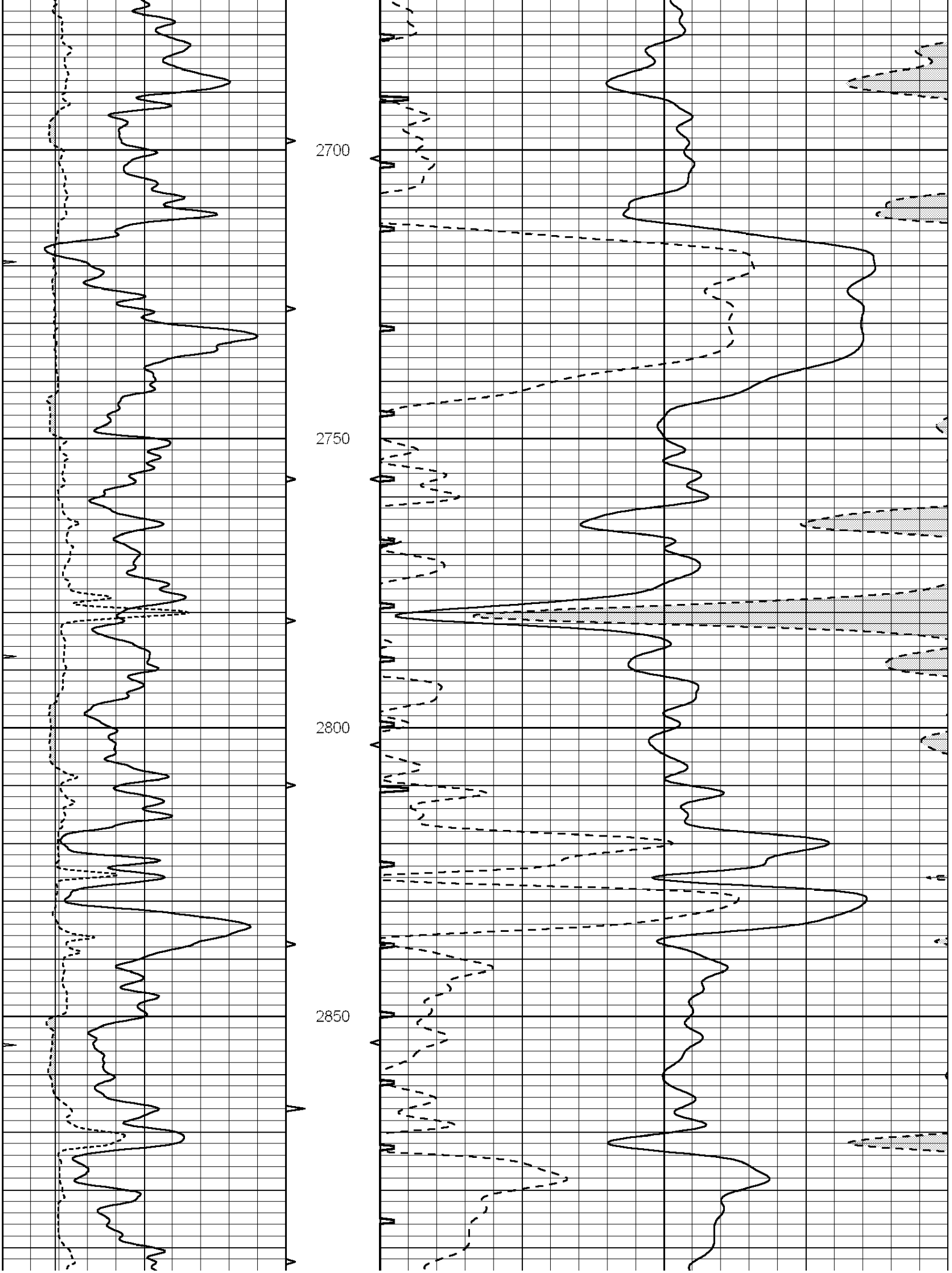

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1650
1700
1750

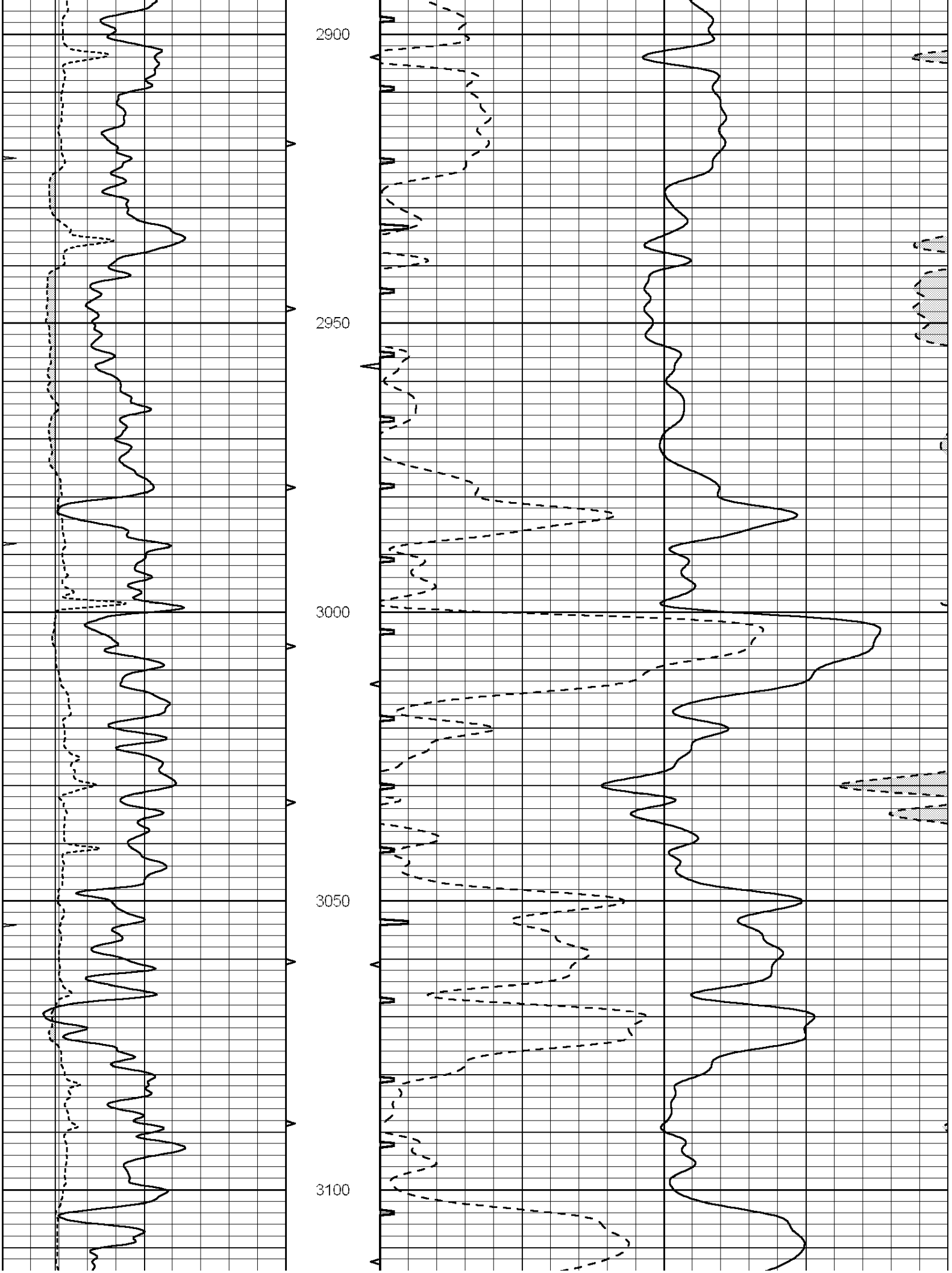

1800
1850
1900
1950
2000

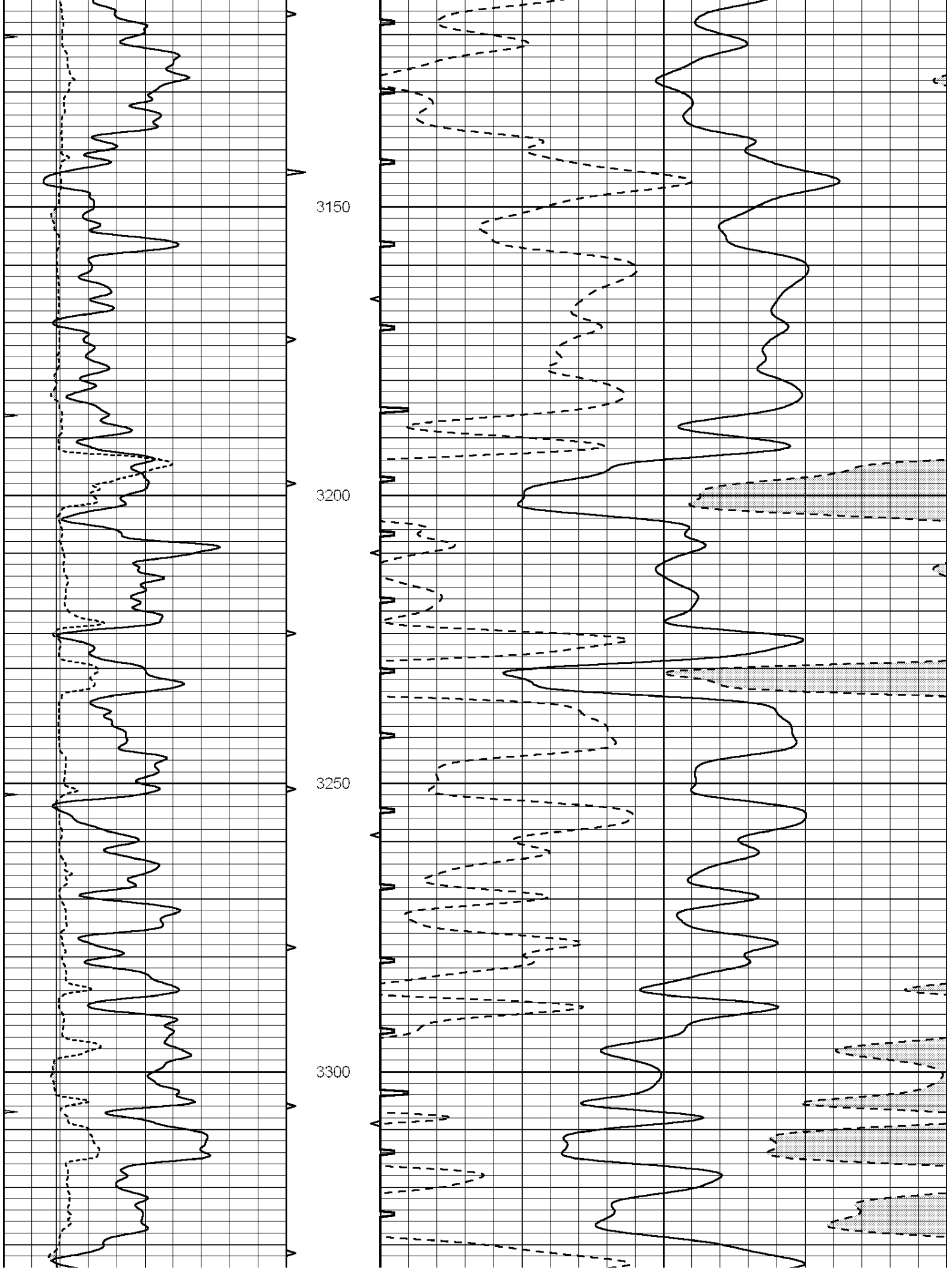

2050
2100
2150
2200

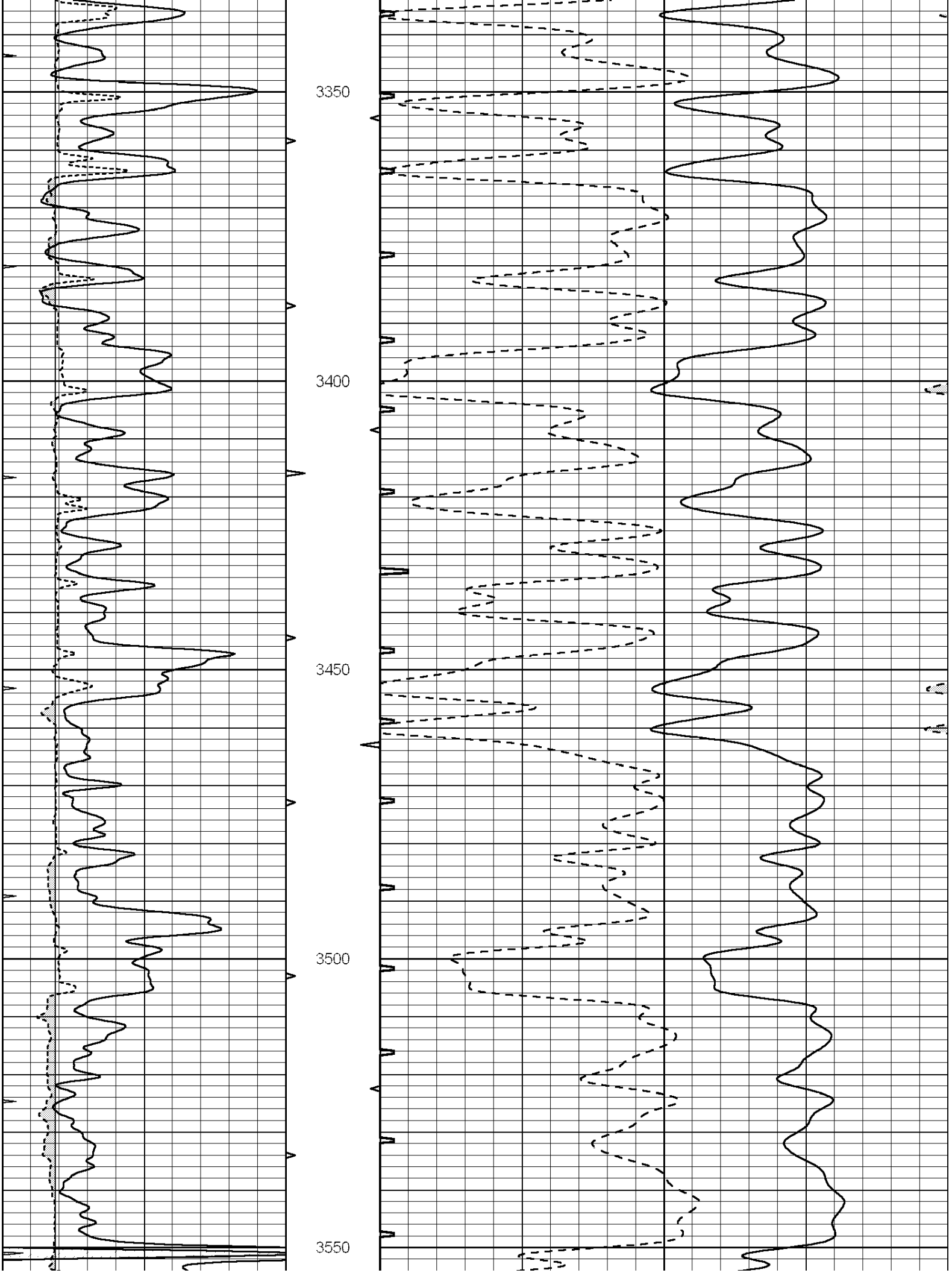

2250
2300
2350
2400
2450

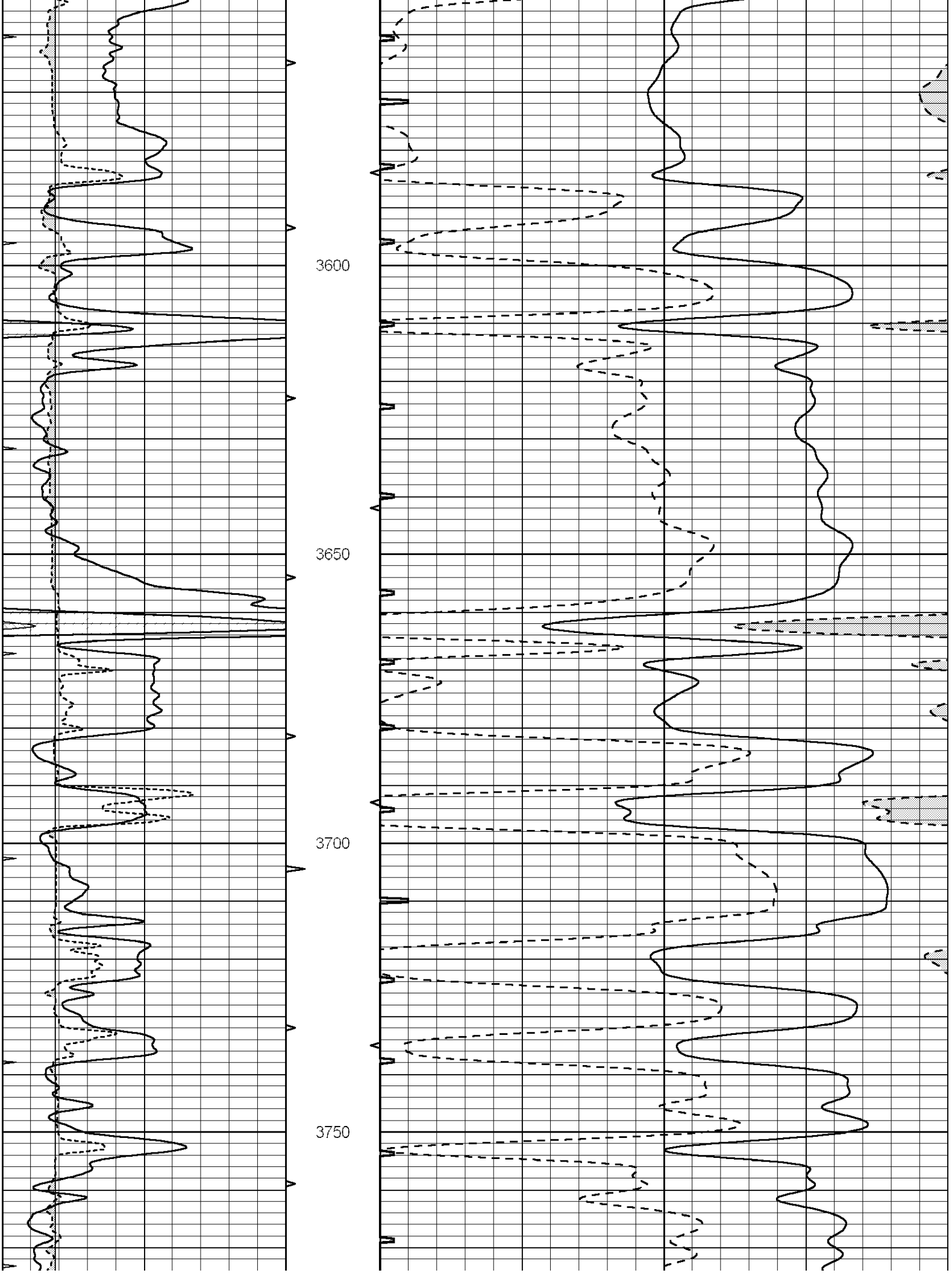

2500
2550
2600
2650

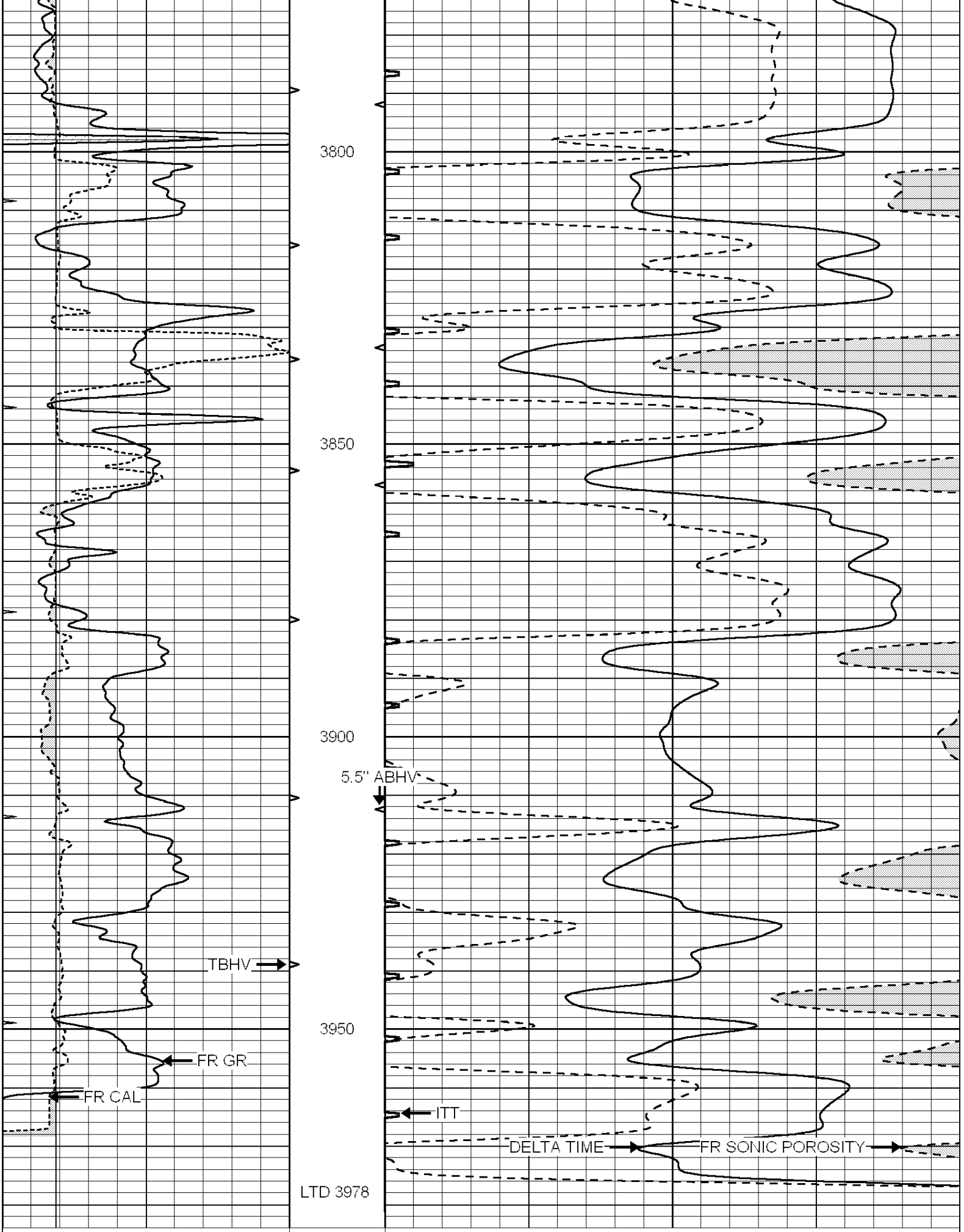

2700
2750
2800
2850


2900
2950
3000
3050
3100


3150
3200
3250
3300


3350
3400
3450
3500
3550


3600
3650
3700
3750

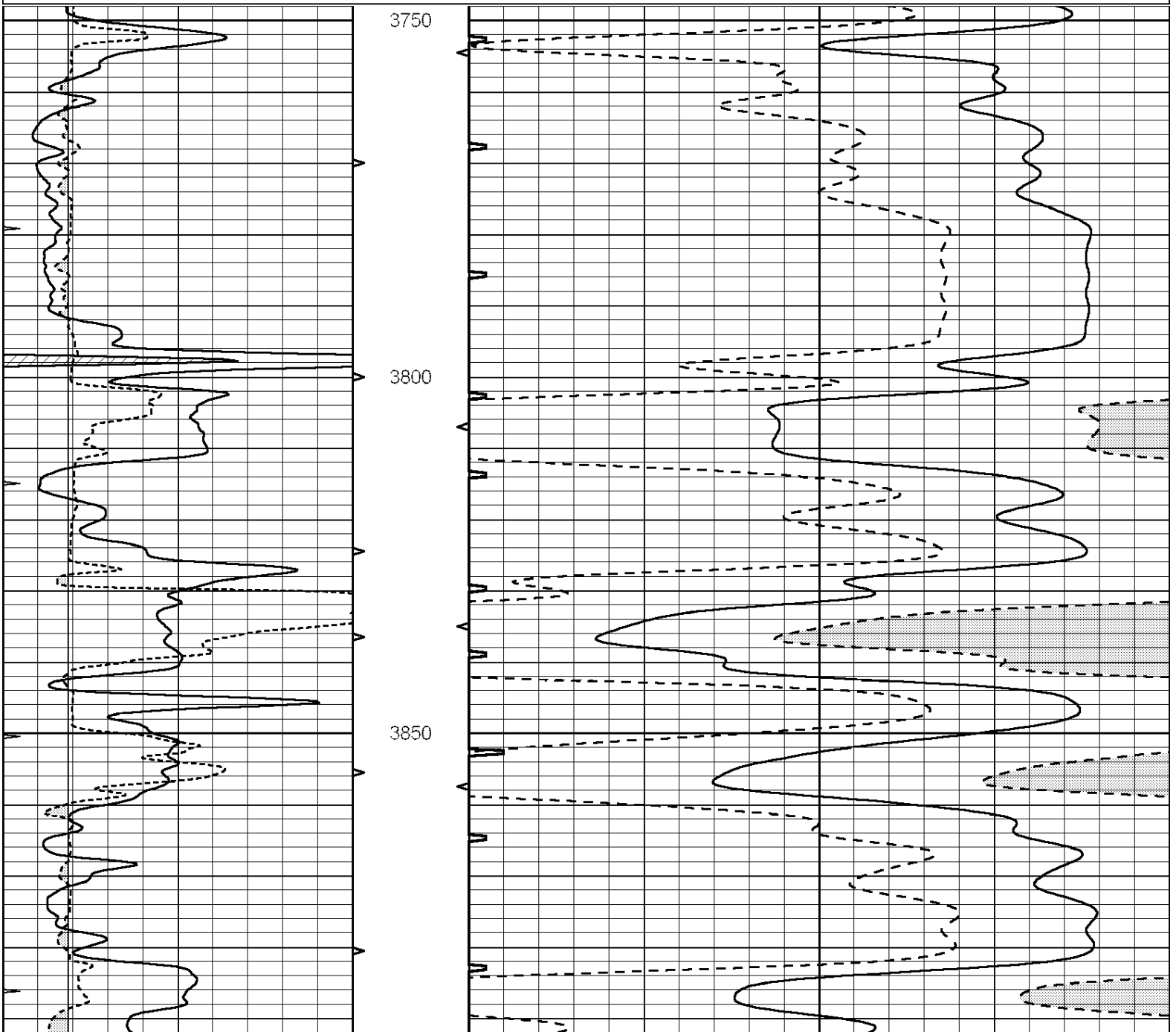

3800
3850
3900
5.5" ABHV
TBHV
3950
FR GR
FR CAL
ITT
DELTA TIME
FR SONIC POROSITY
LTD 3978
0 GAMMA RAY (GAPI) 150
6 CALIPER (in) 16
ABHV
10 (ft3) 0
140 DELTA TIME (usec/ft) 40
30 SONIC POROSITY (pu) -10

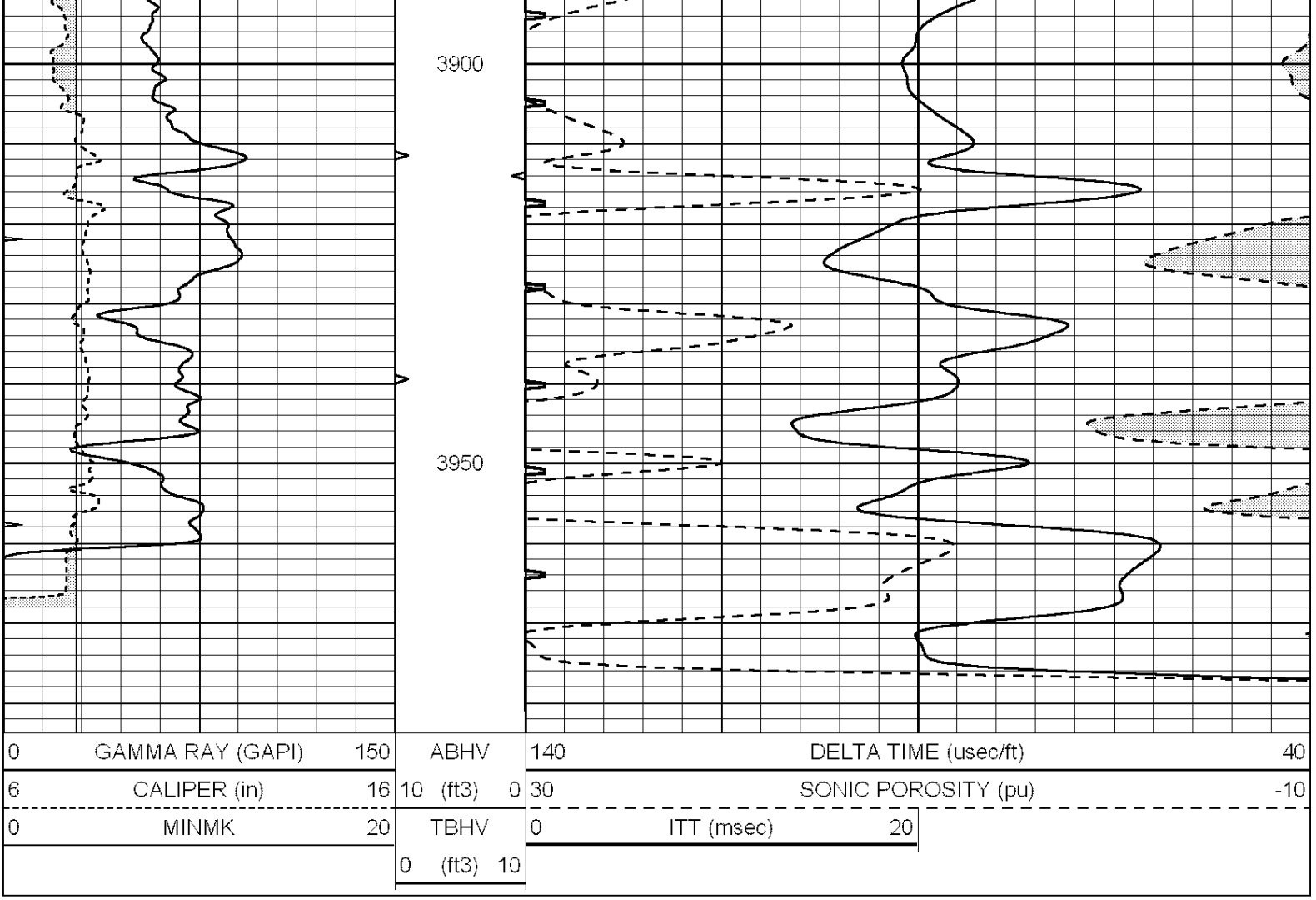
0	MINMK	20	TBHV	0	ITT (msec)	20	
			0 (ft3) 10				

REPEAT SECTION

Database File:	3349ddn.db
Dataset Pathname:	pass5.2
Presentation Format:	slt
Dataset Creation:	Wed Mar 06 15:57:12 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				




3900
3950
0 GAMMA RAY (GAPI) 150
6 CALIPER (in) 16
0 MINMK 20
ABHV
10 (ft3) 0
TBHV
0 (ft3) 10
140 DELTA TIME (usec/ft) 40
30 SONIC POROSITY (pu) -10
0 ITT (msec) 20