



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company		MULL DRILLING CO., INC.	
Well		NEWBERRY FARMS #1-36	
Field		SPIVEY-GRABS-BASIL	
County		HARPER	
State		KANSAS	
Location:		APL # : 15-077-22112-00-00 575' FNL & 1675' FWL	
Permanent Datum		GROUND LEVEL Elevation 1574	
Log Measured From		KELLY BUSHING 10' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 36 TWP 31S RGE 9W		Elevation K.B. 1584 D.F. 1582 G.L. 1574	
Date	11/6/14		
Run Number	TWO		
Depth Driller	4600		
Depth Logger	4601		
Bottom Logged Interval	4590		
Top Log Interval	200		
Casing Driller	8 5/8" @ 225		
Casing Logger	218		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5000 PPM	
Density / Viscosity	9.4/45		
pH / Fluid Loss	10.0/9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.75 @ 70F		
Rmt @ Meas. Temp	0.56 @ 70F		
Rmc @ Meas. Temp	0.90 @ 70F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	0.43 @ 121F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	121F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	IAN MABB		
Witnessed By	JERRY A. SMITH		

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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.

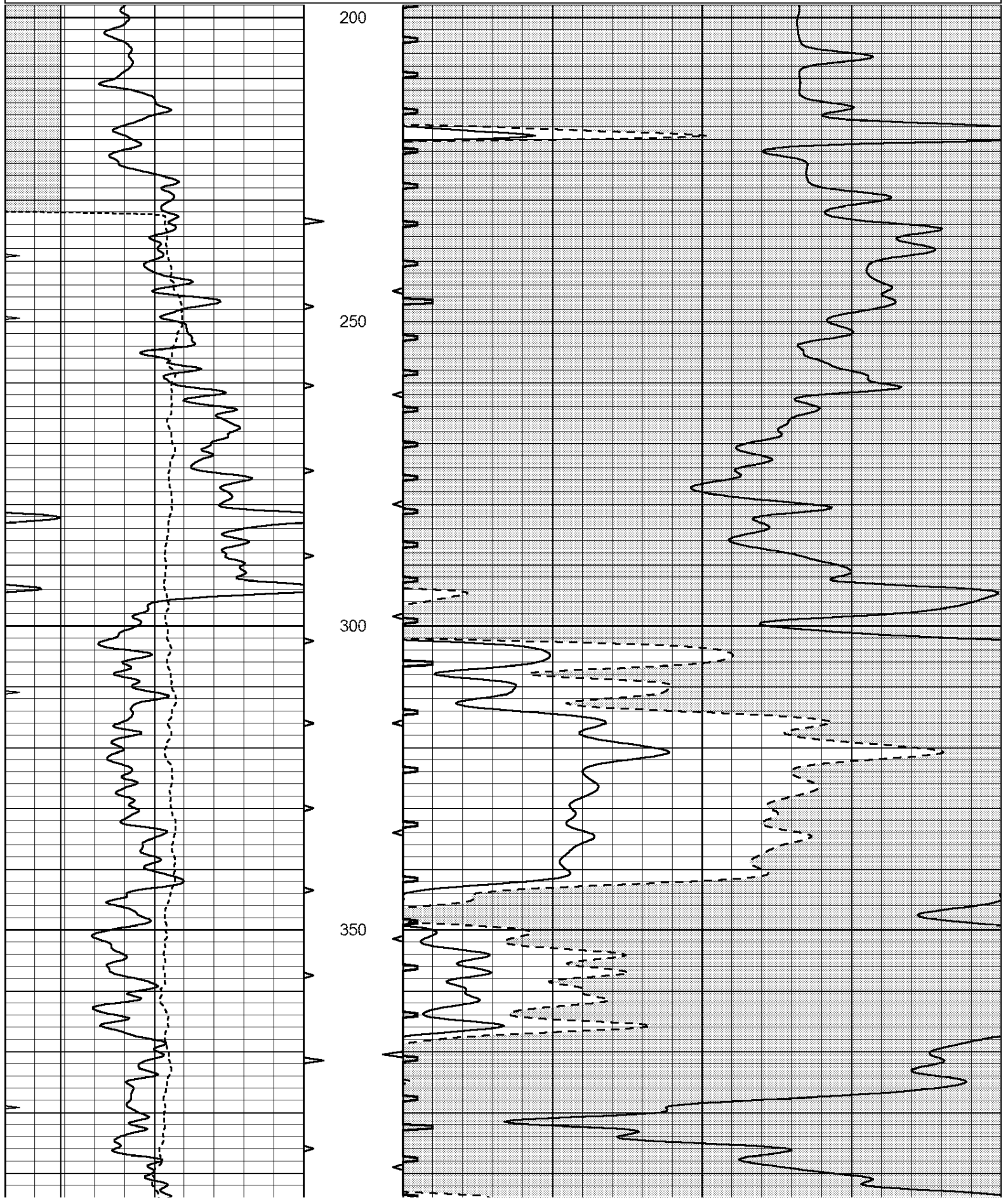
Comments

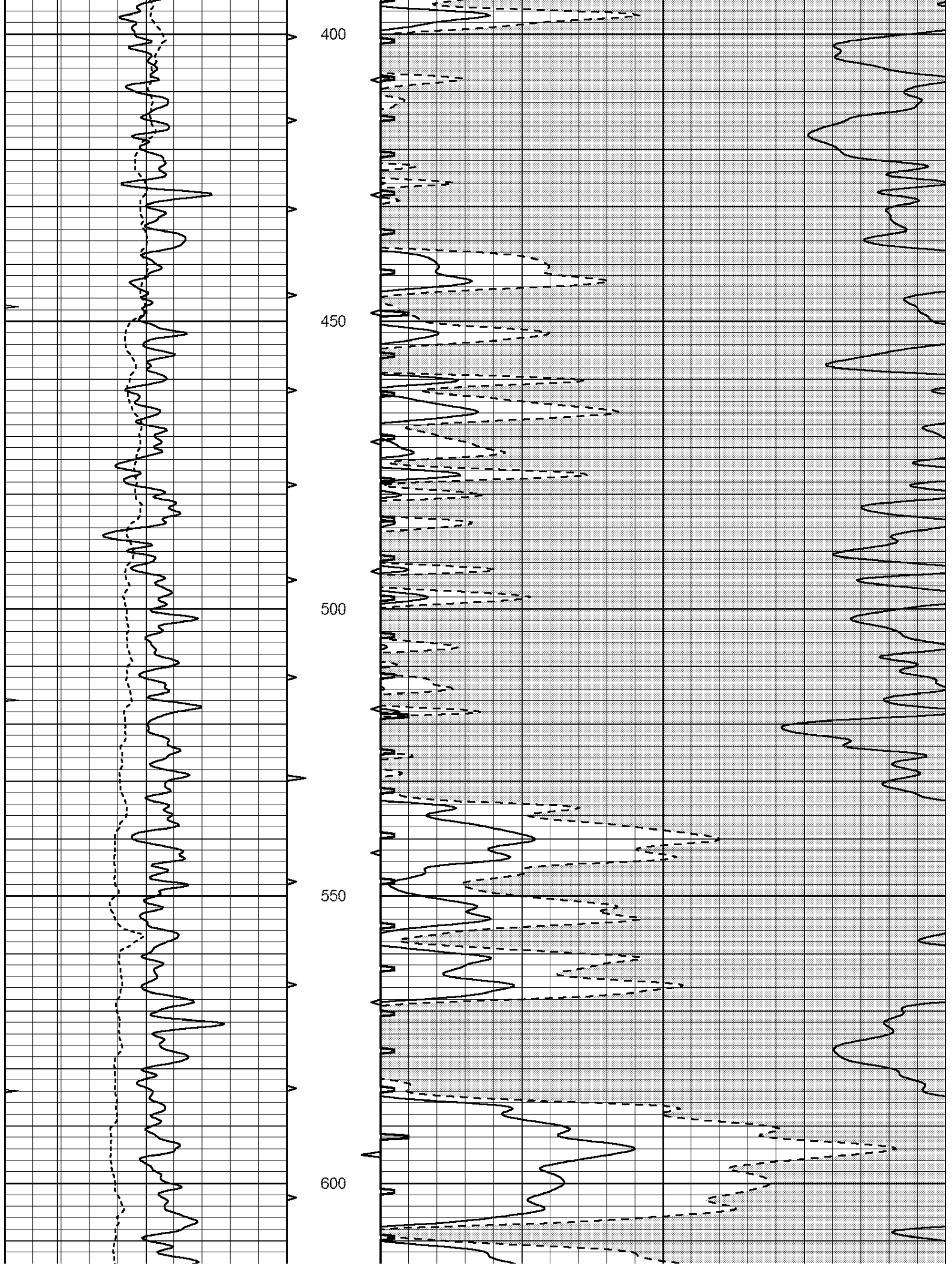
THANK YOU FOR USING NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS:

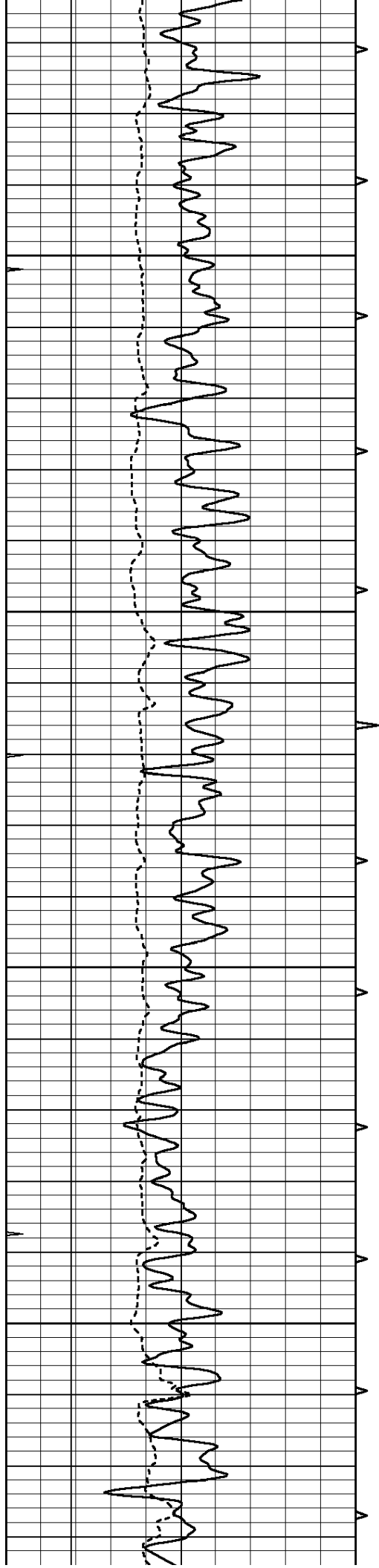
ZENDA, KS. - SOUTH TO NW 150 RD - EAST TO 1 MILE TO NW 120 AVE - SOUTH 4 1/4 - EAST INTO

Database File: 26224ddn.db
Dataset Pathname: pass6.5
Presentation Format: _slt
Dataset Creation: Thu Nov 06 10:24:40 2014
Charted by: Depth in Feet scaled 1:240

Charted by:		Depth in Feet scaled 1:2.10				
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			





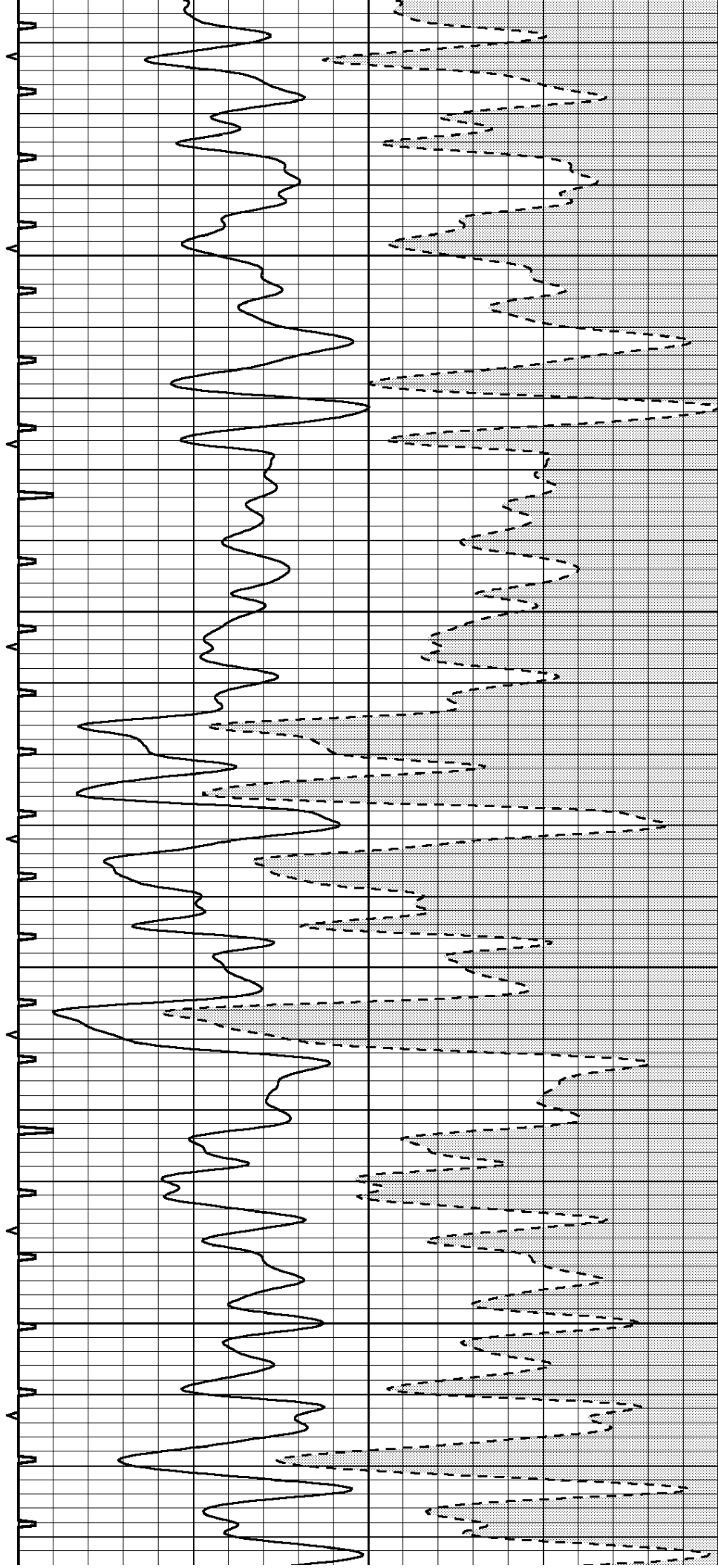


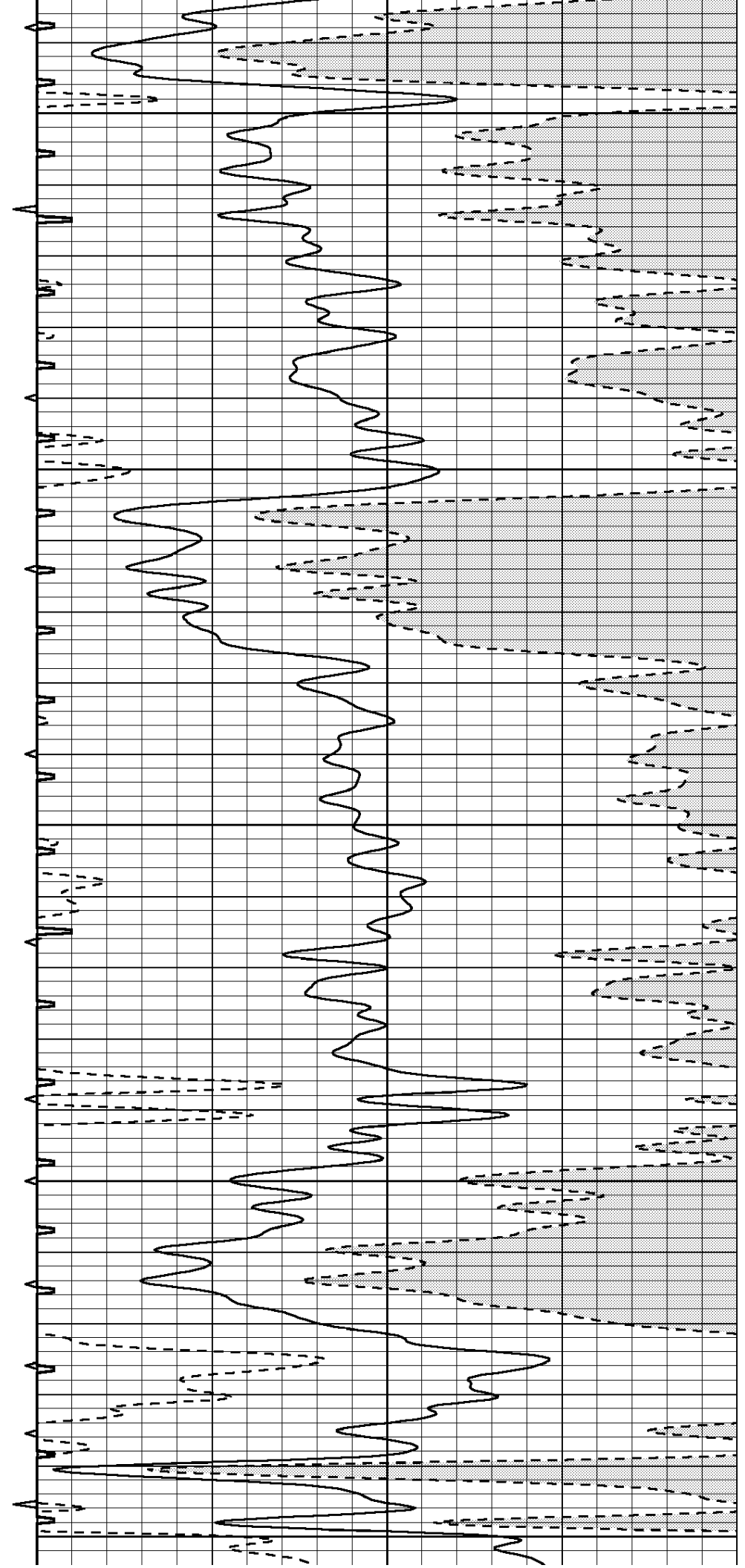
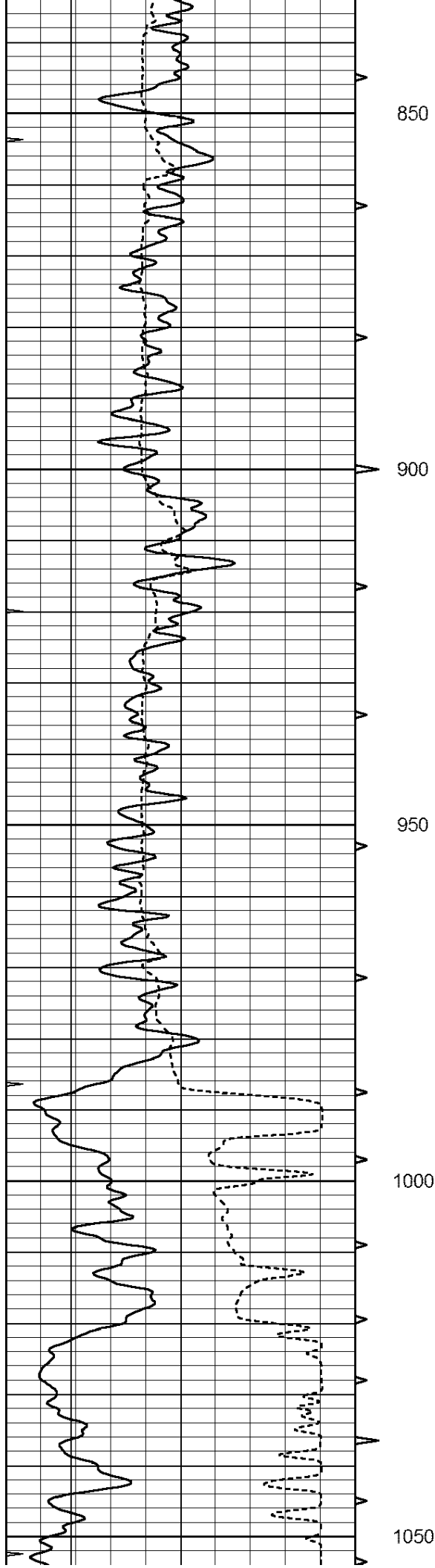
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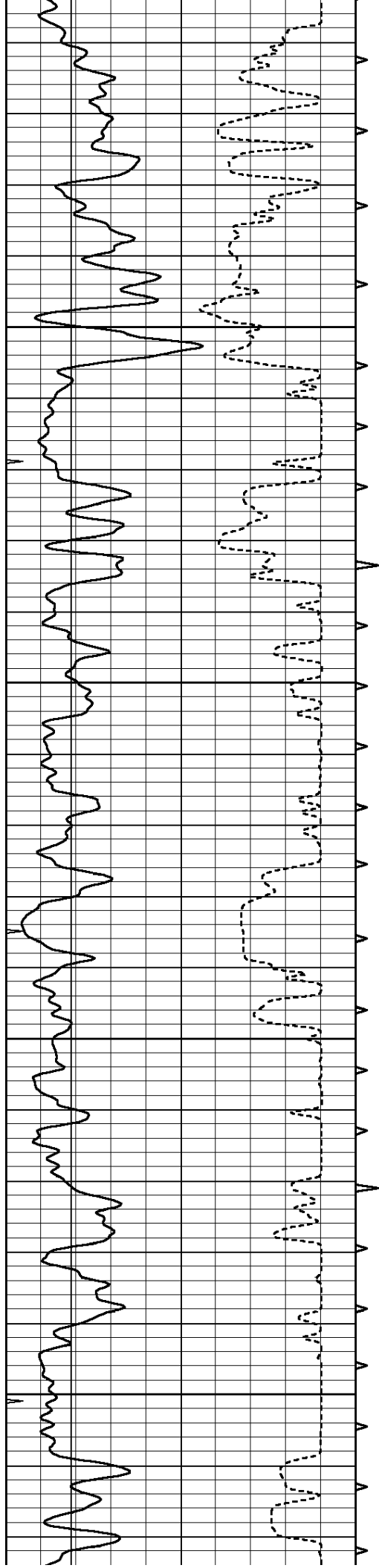
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750

800





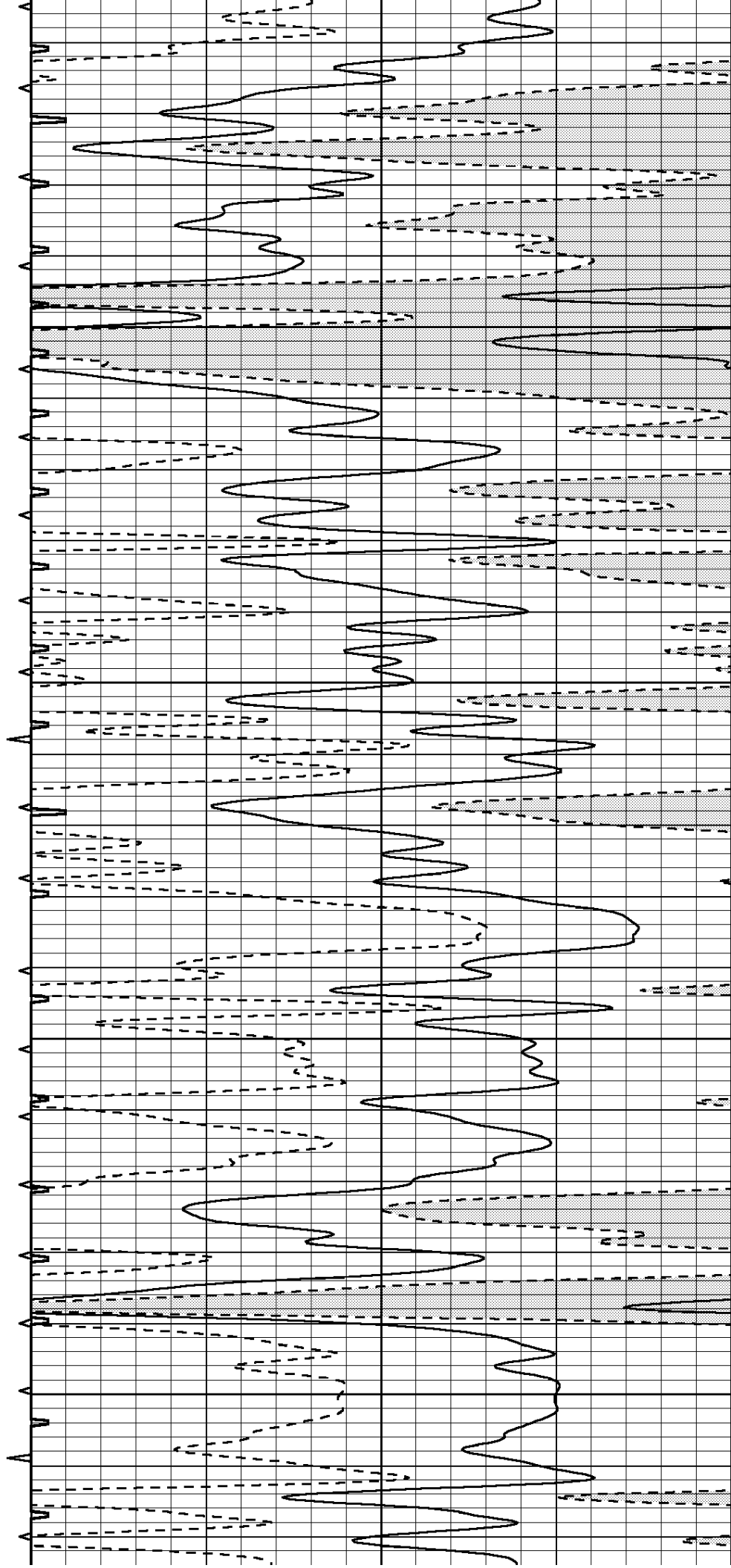


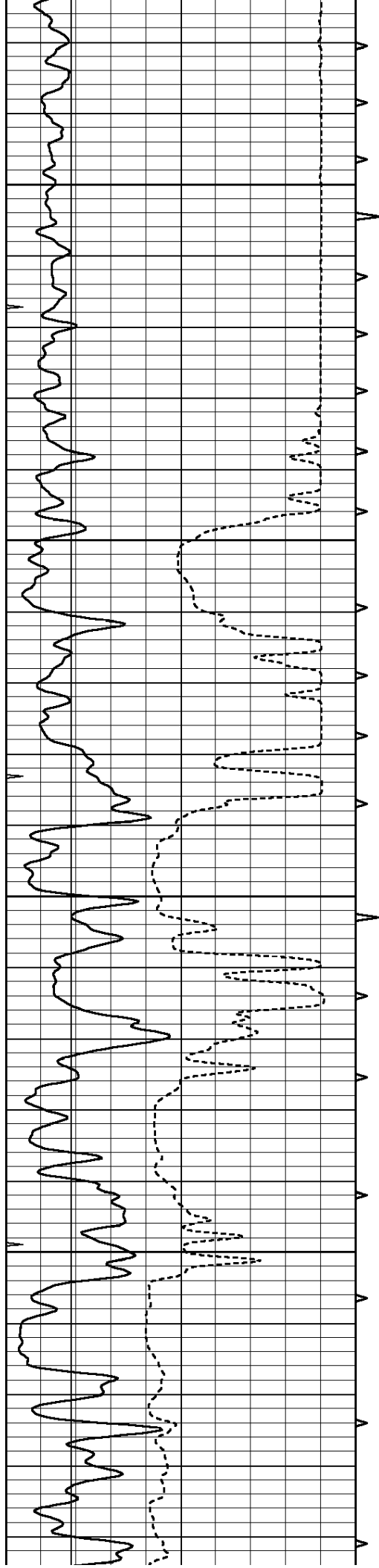
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1150

1200

1250



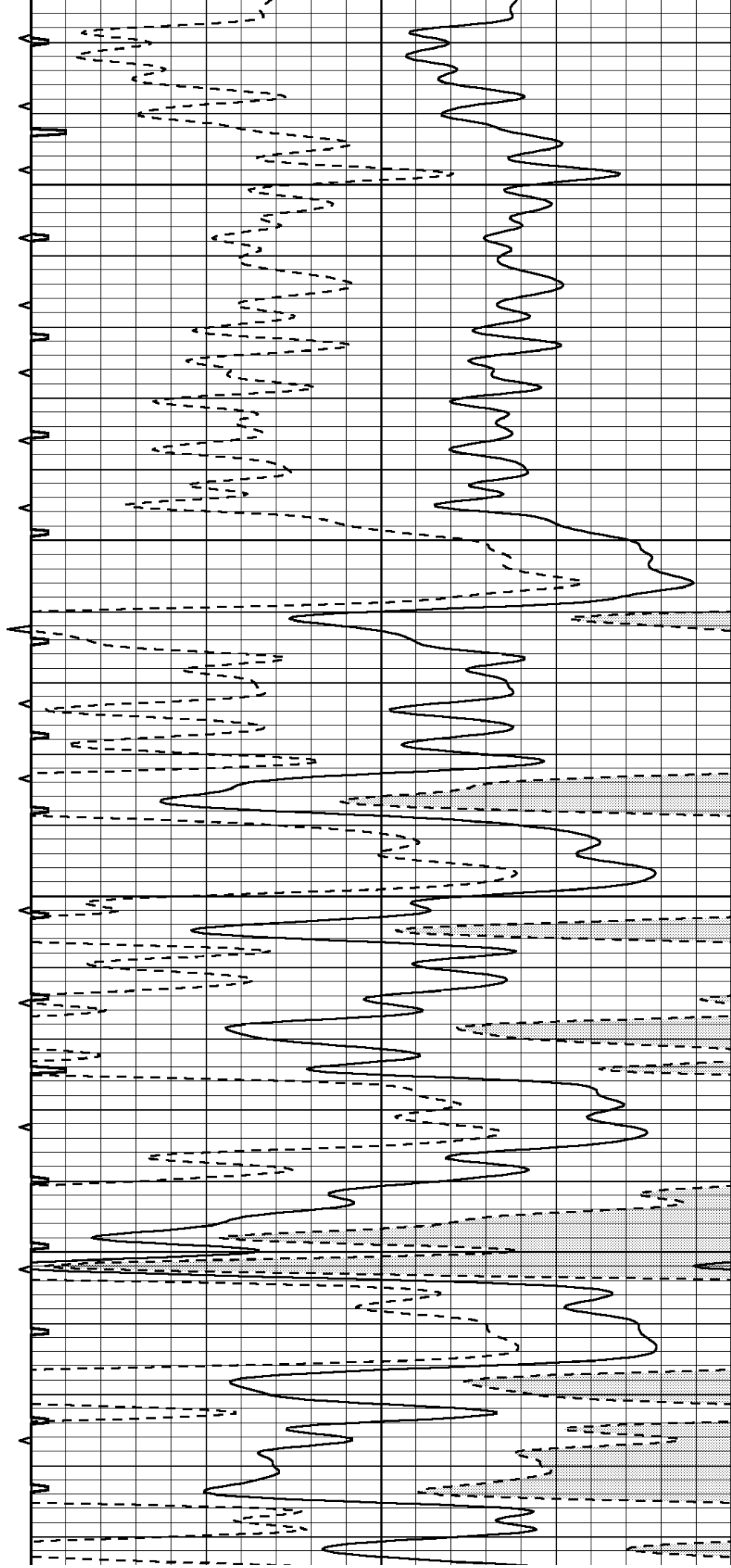


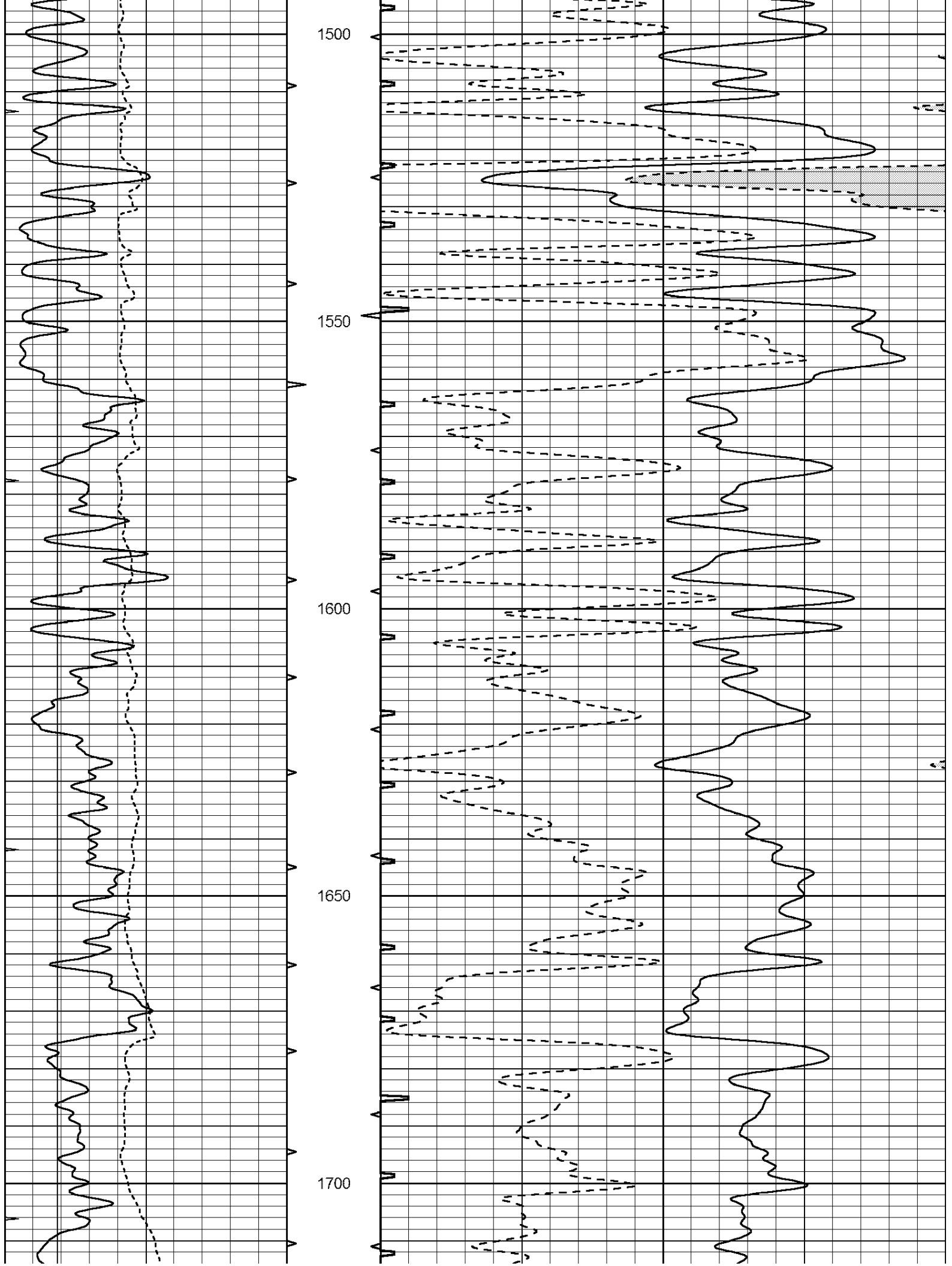
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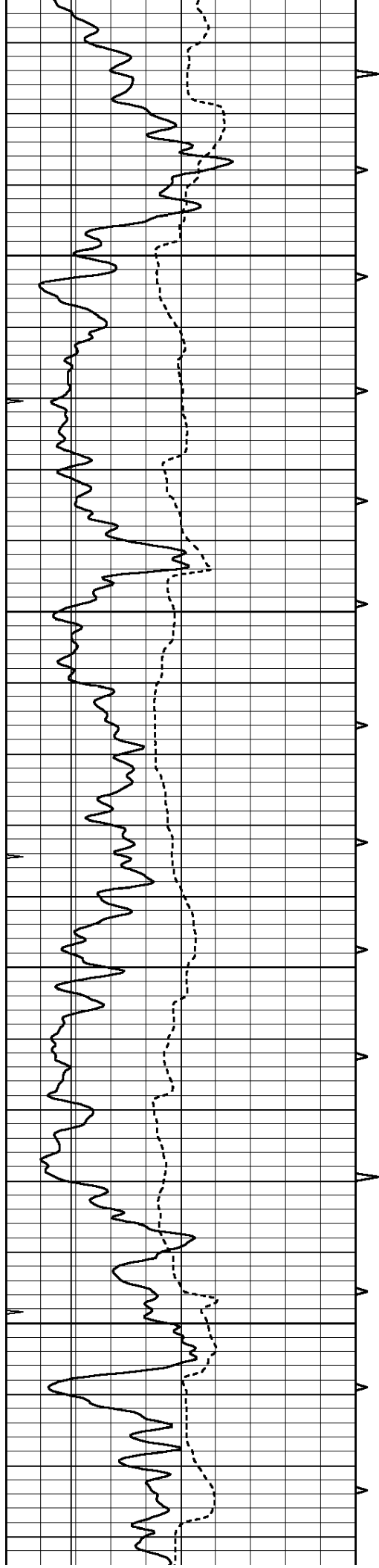
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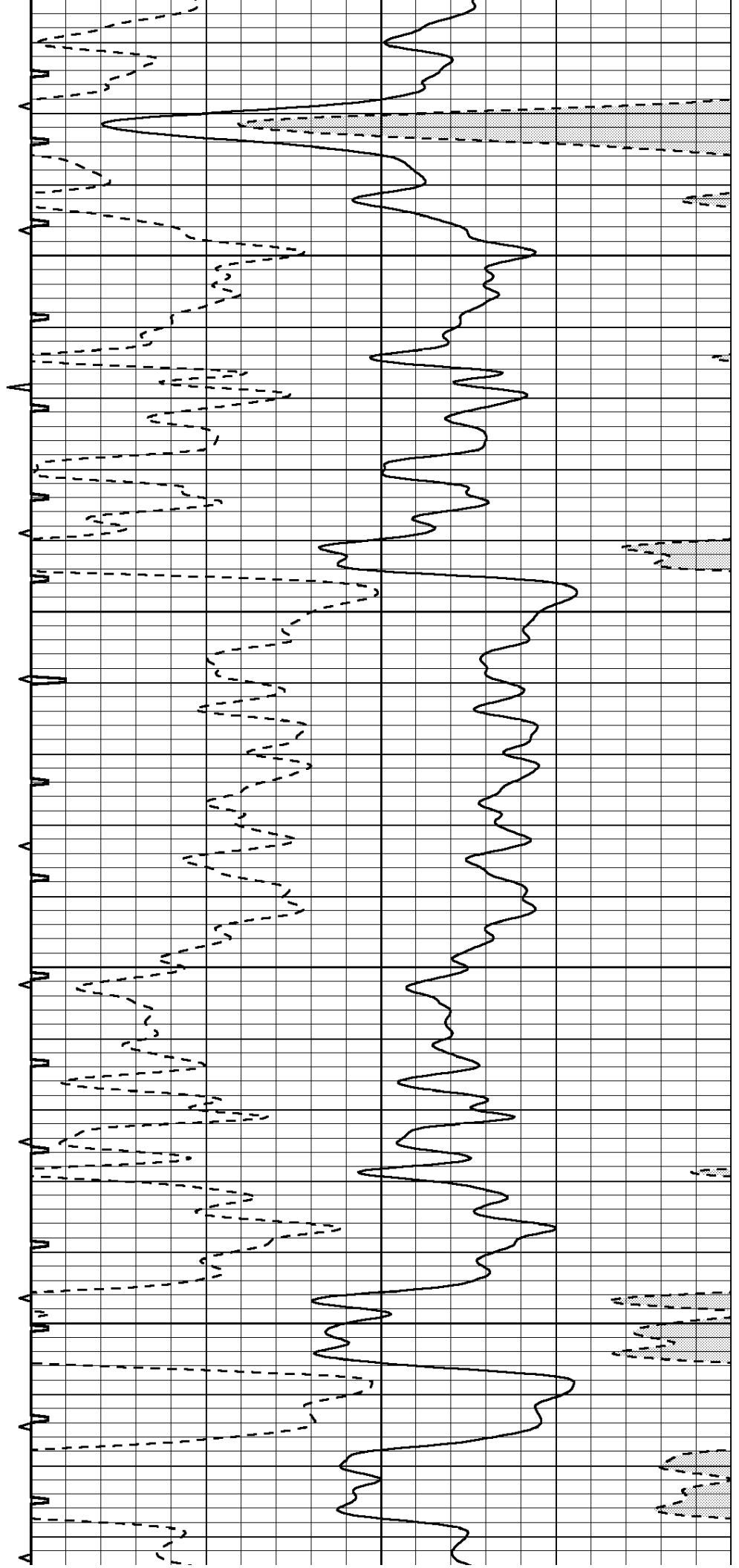


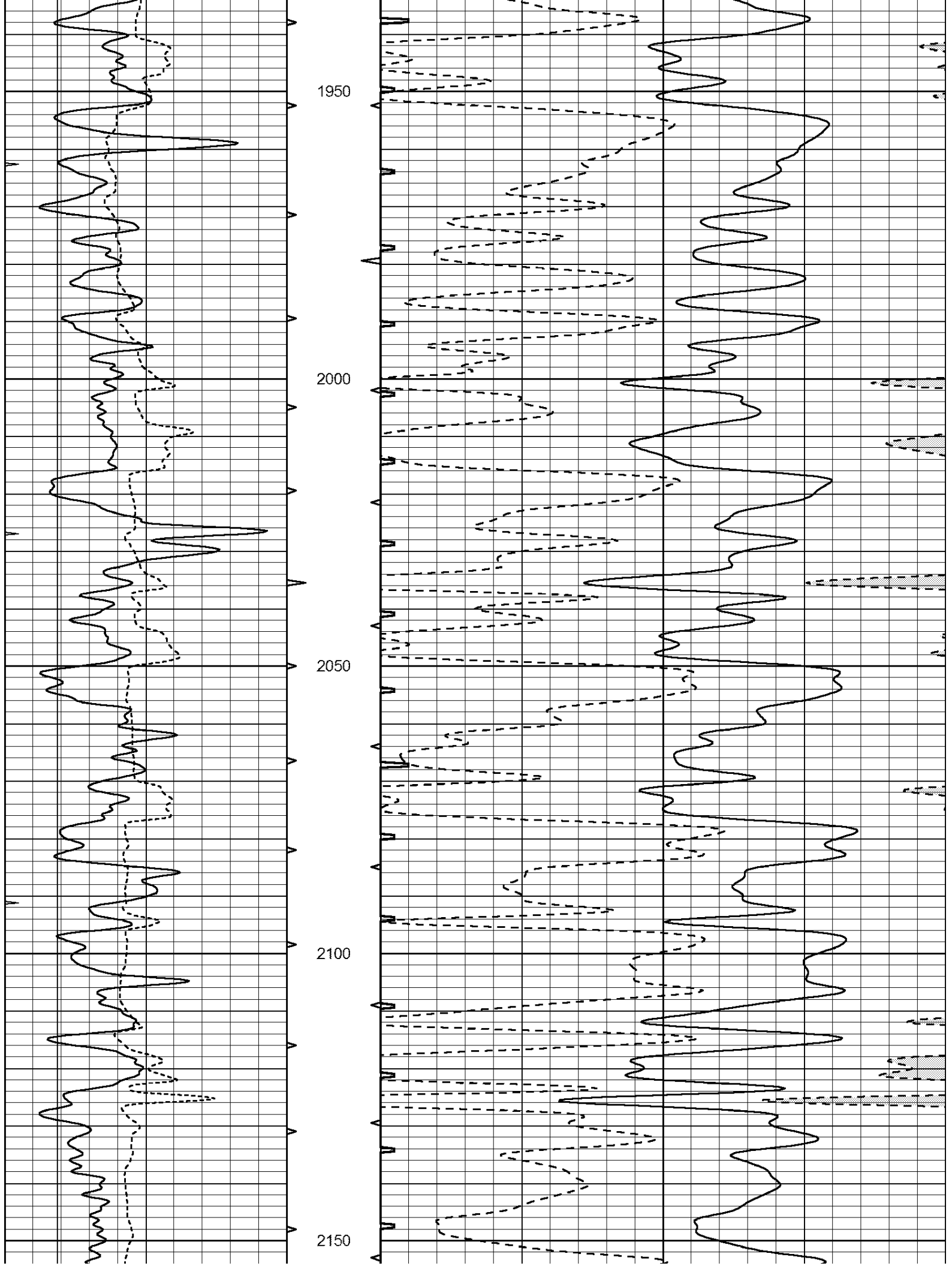
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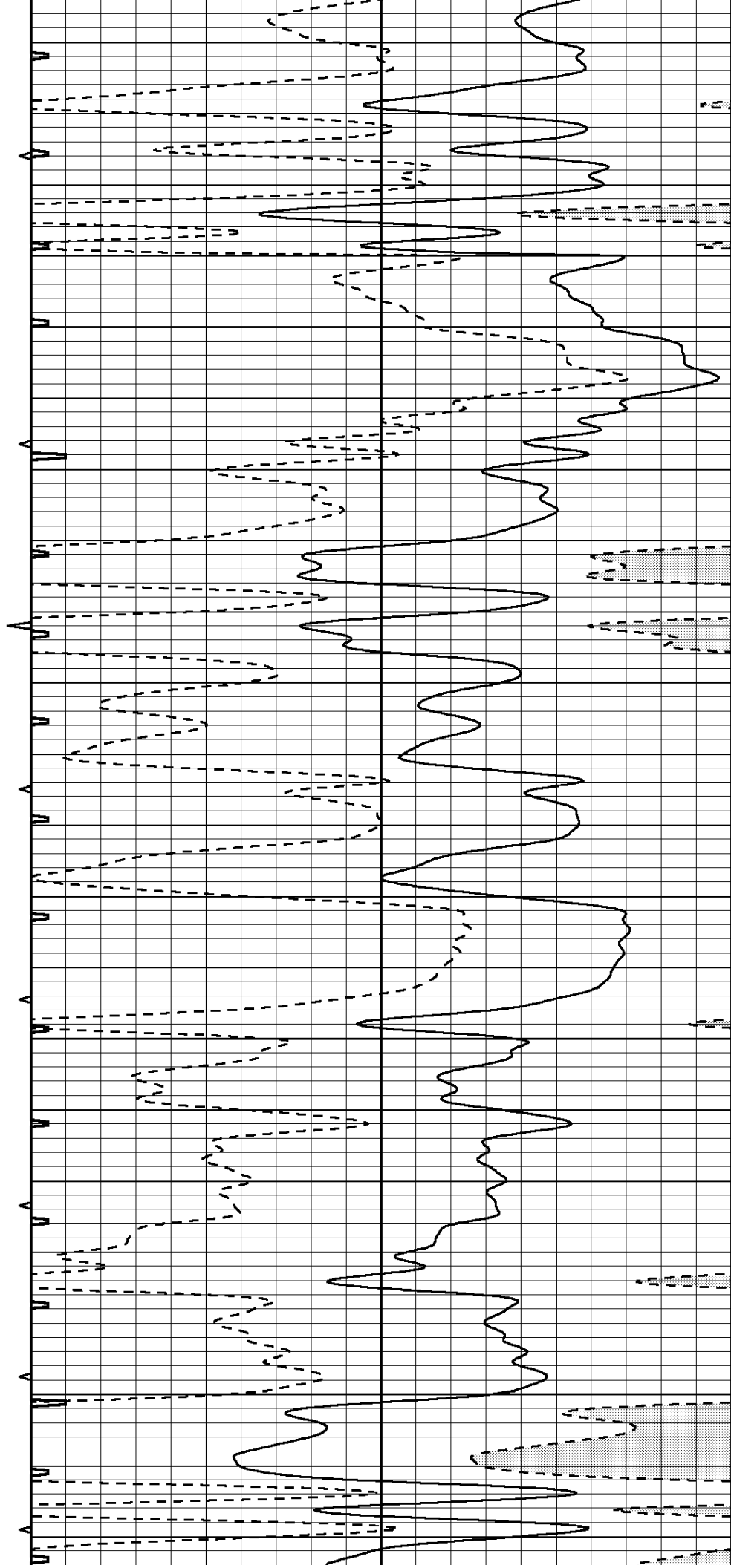
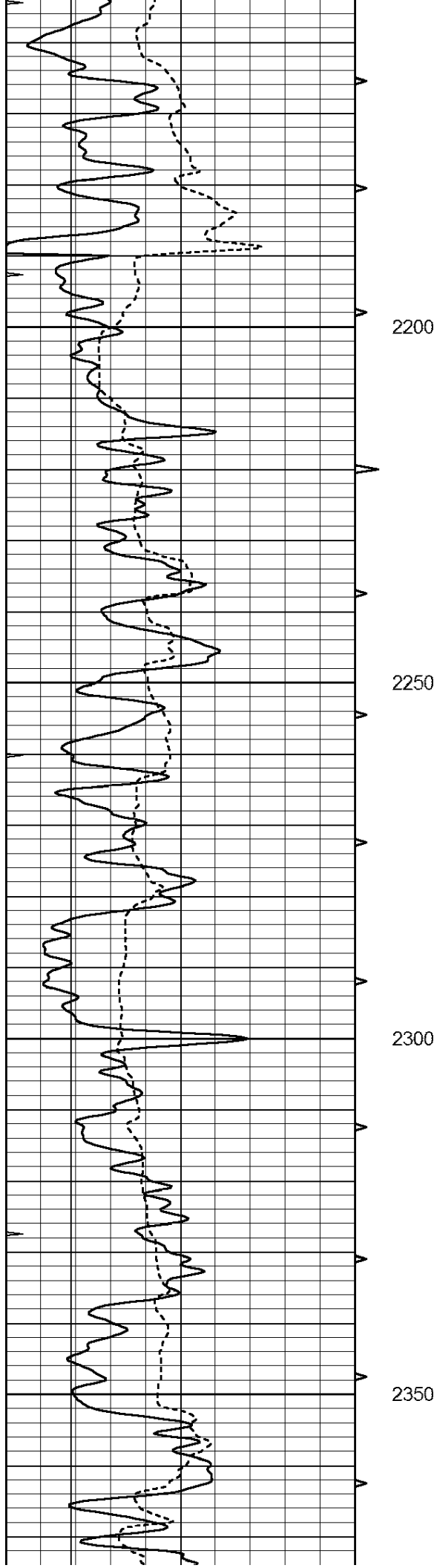
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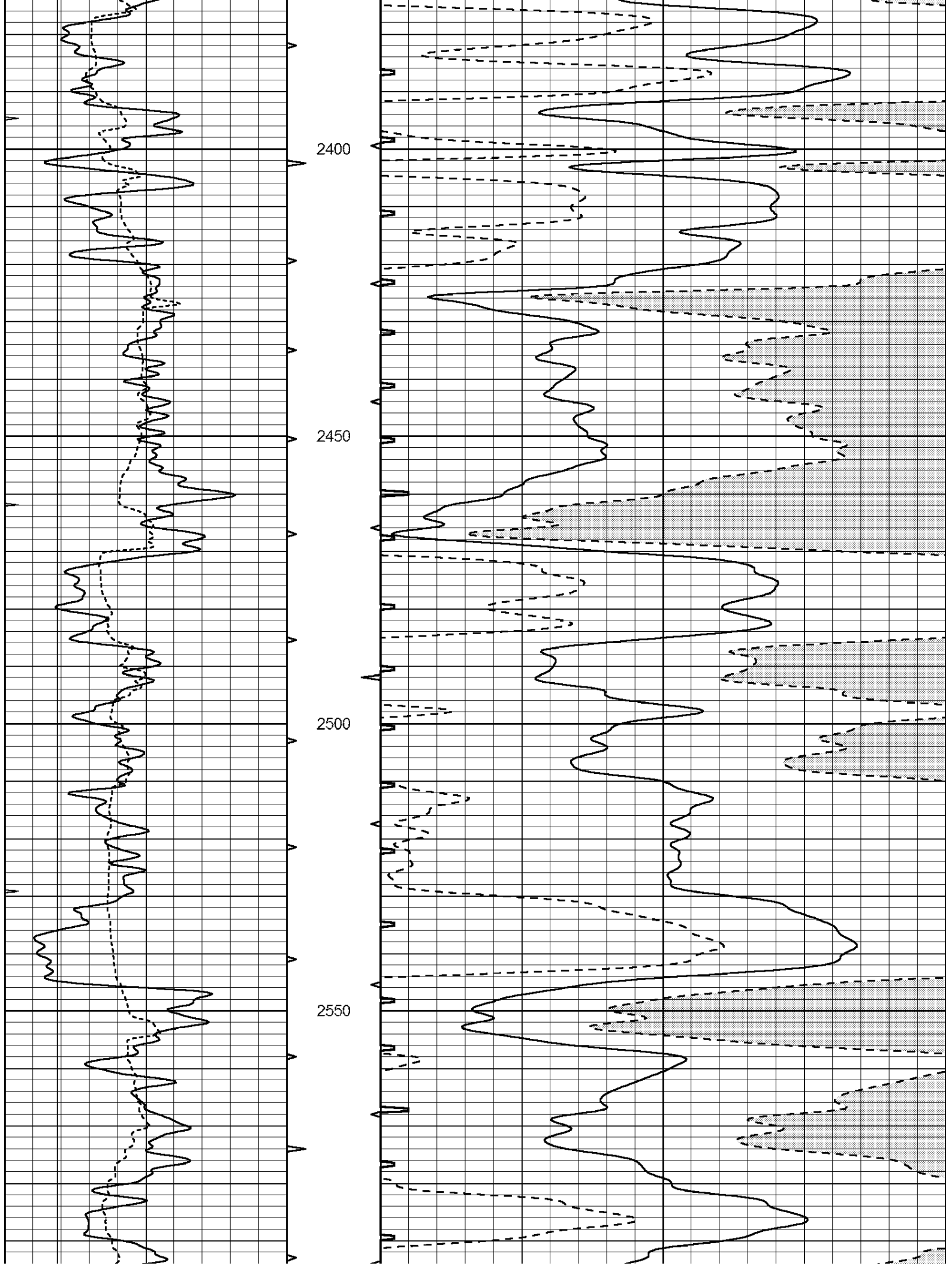
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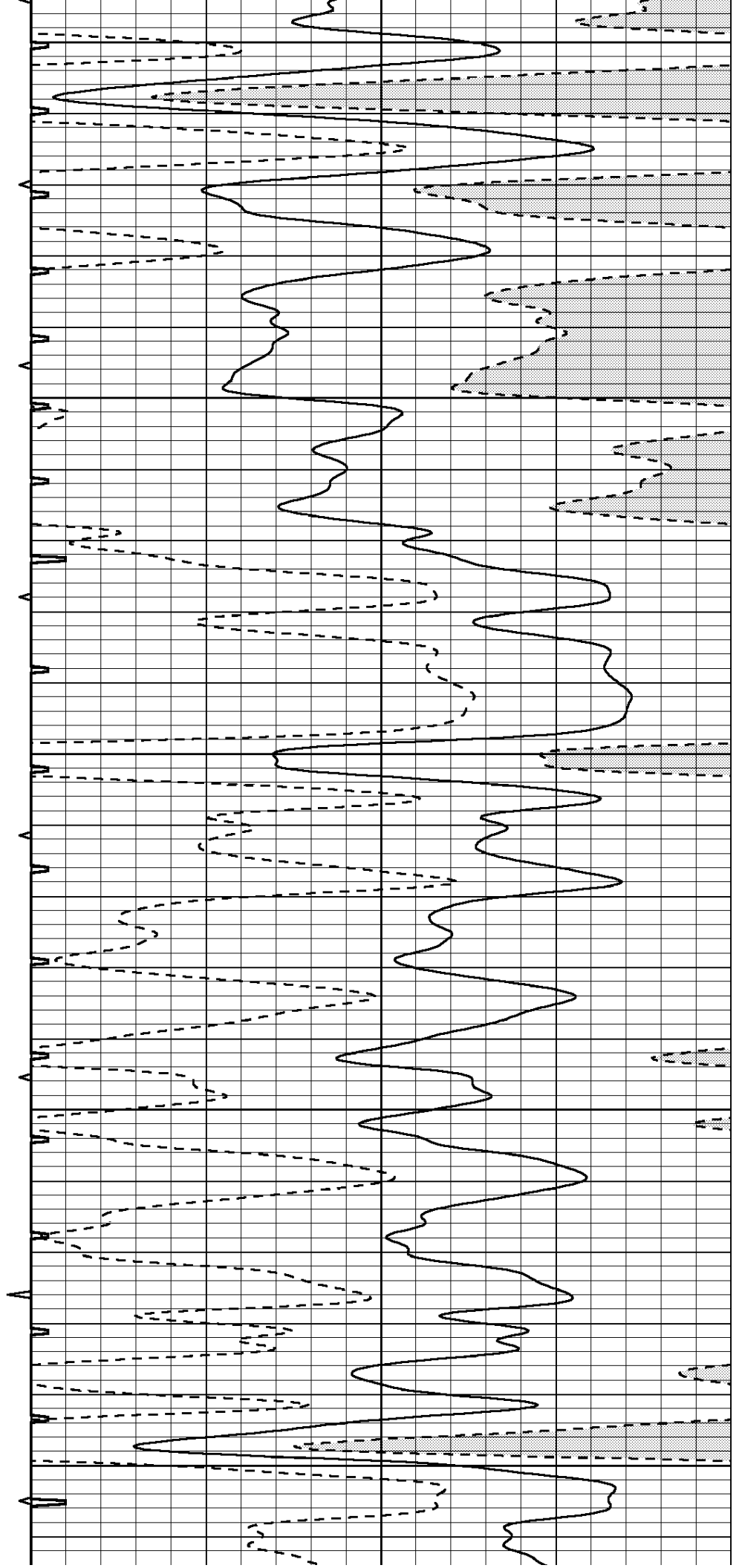
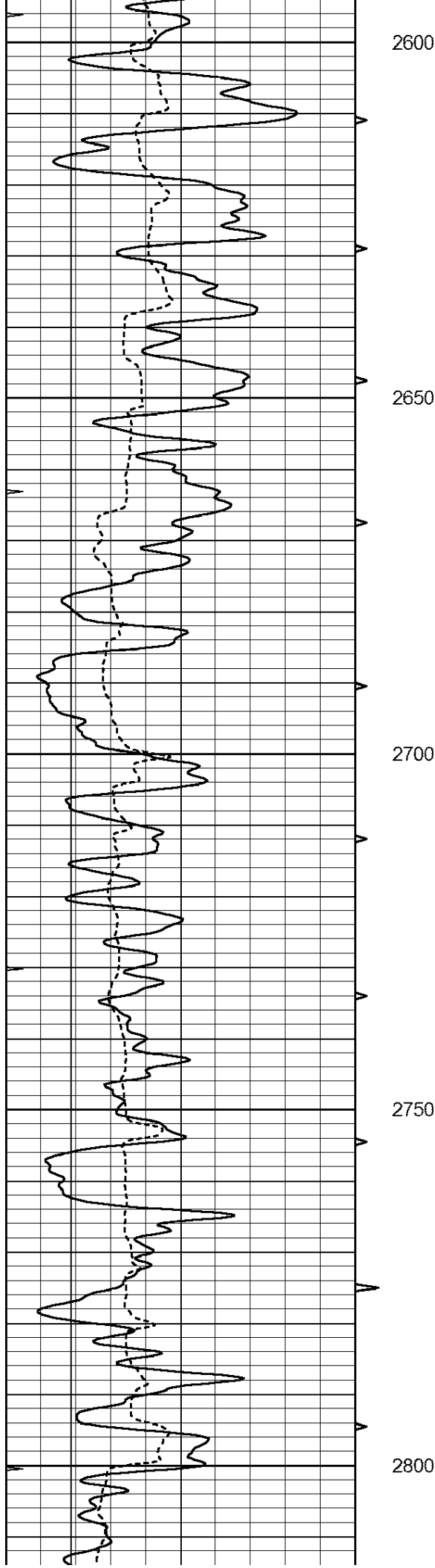
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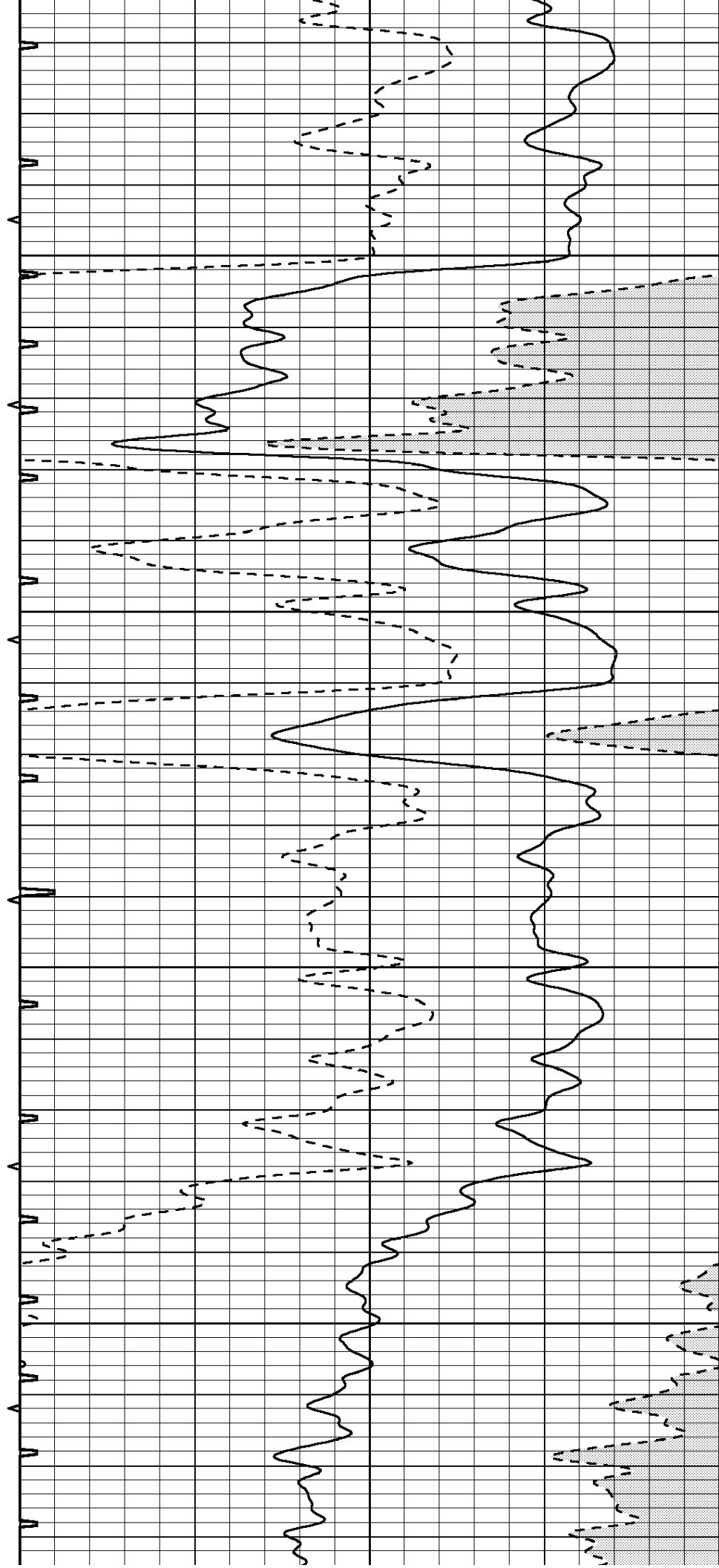
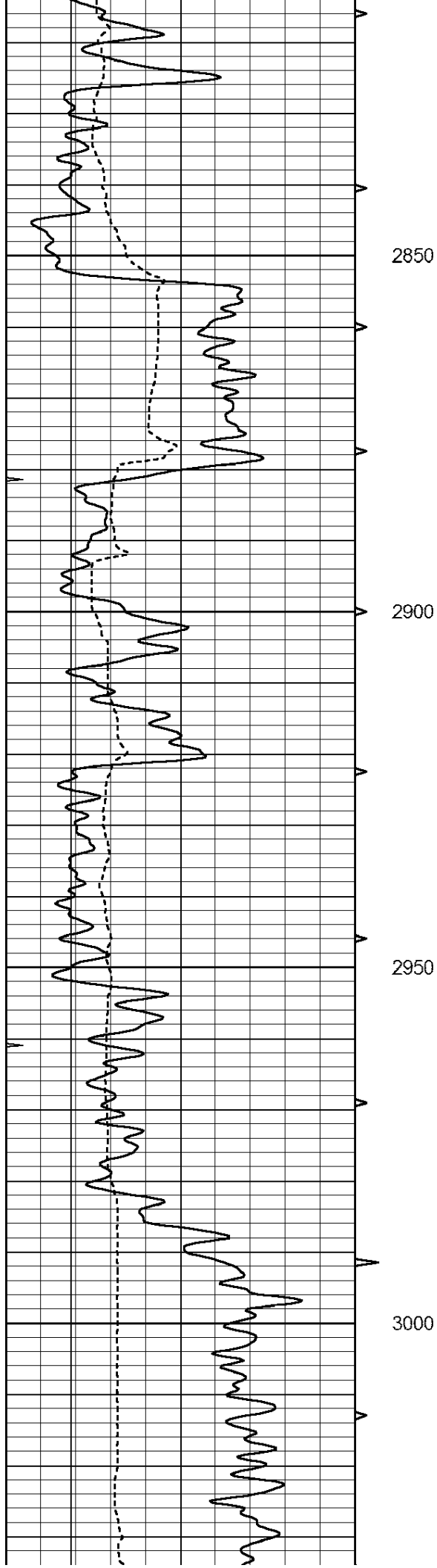


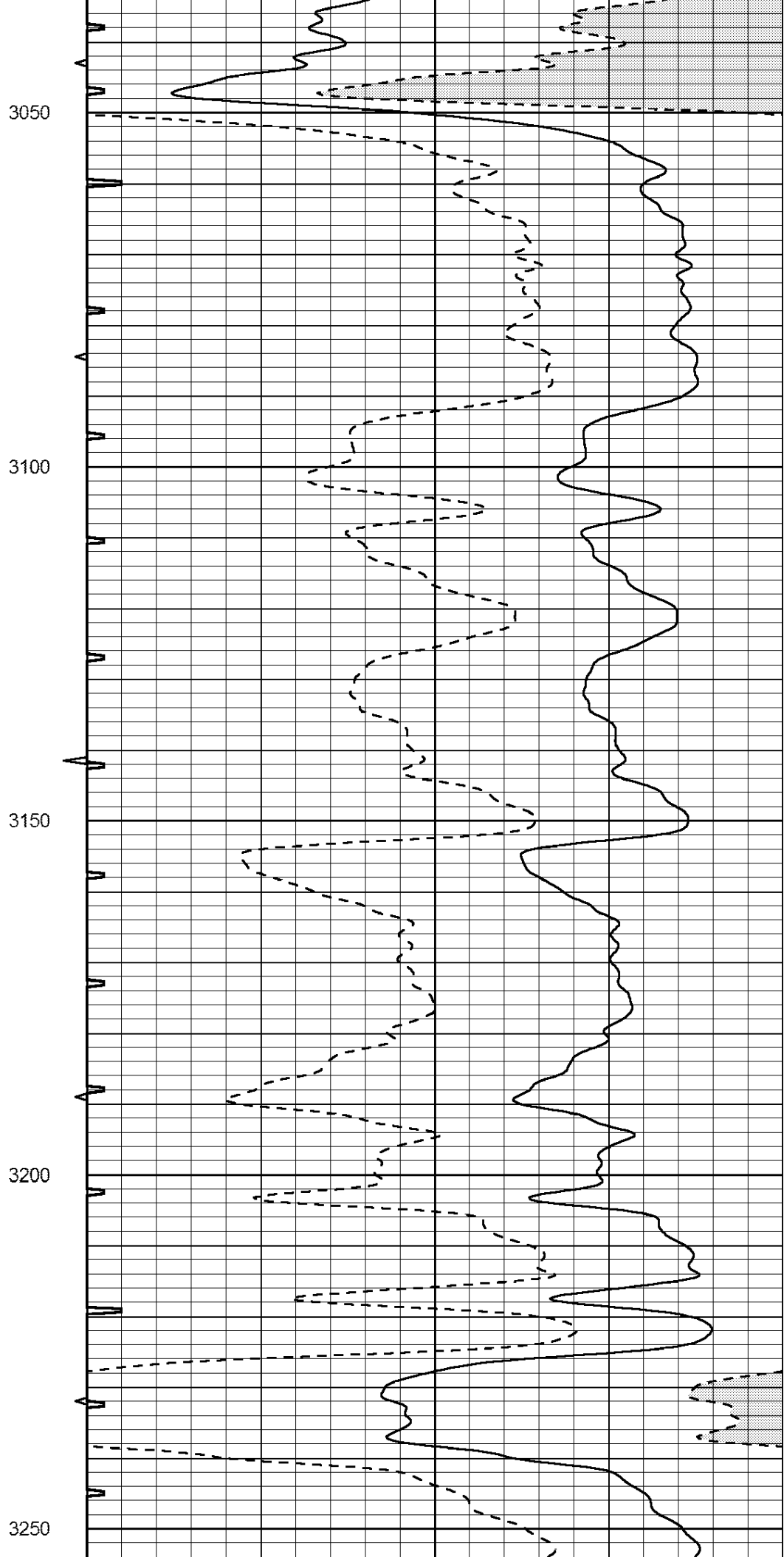
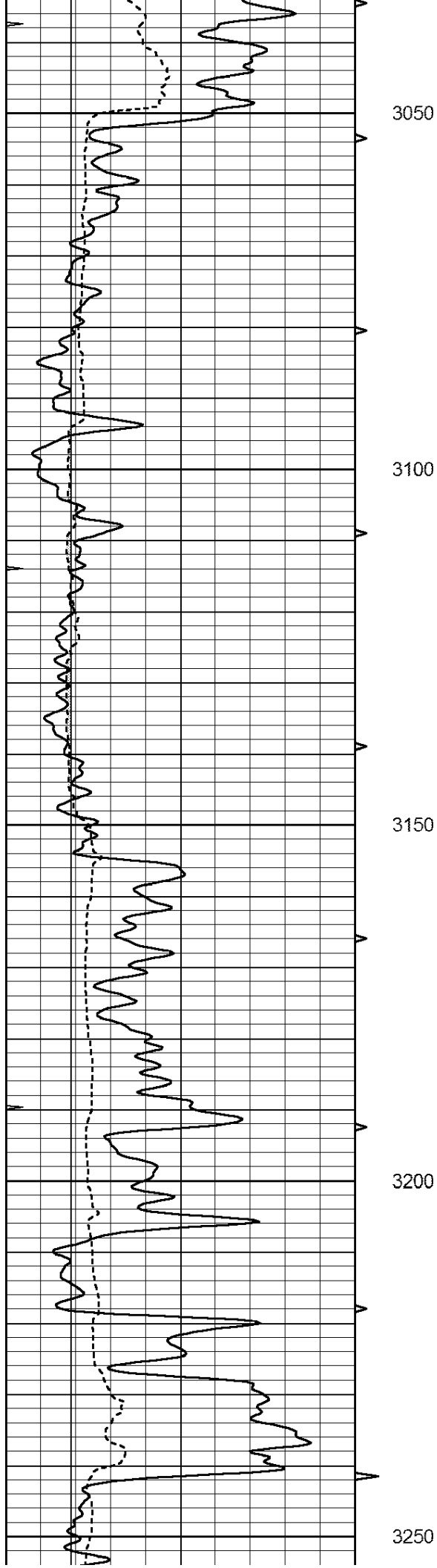


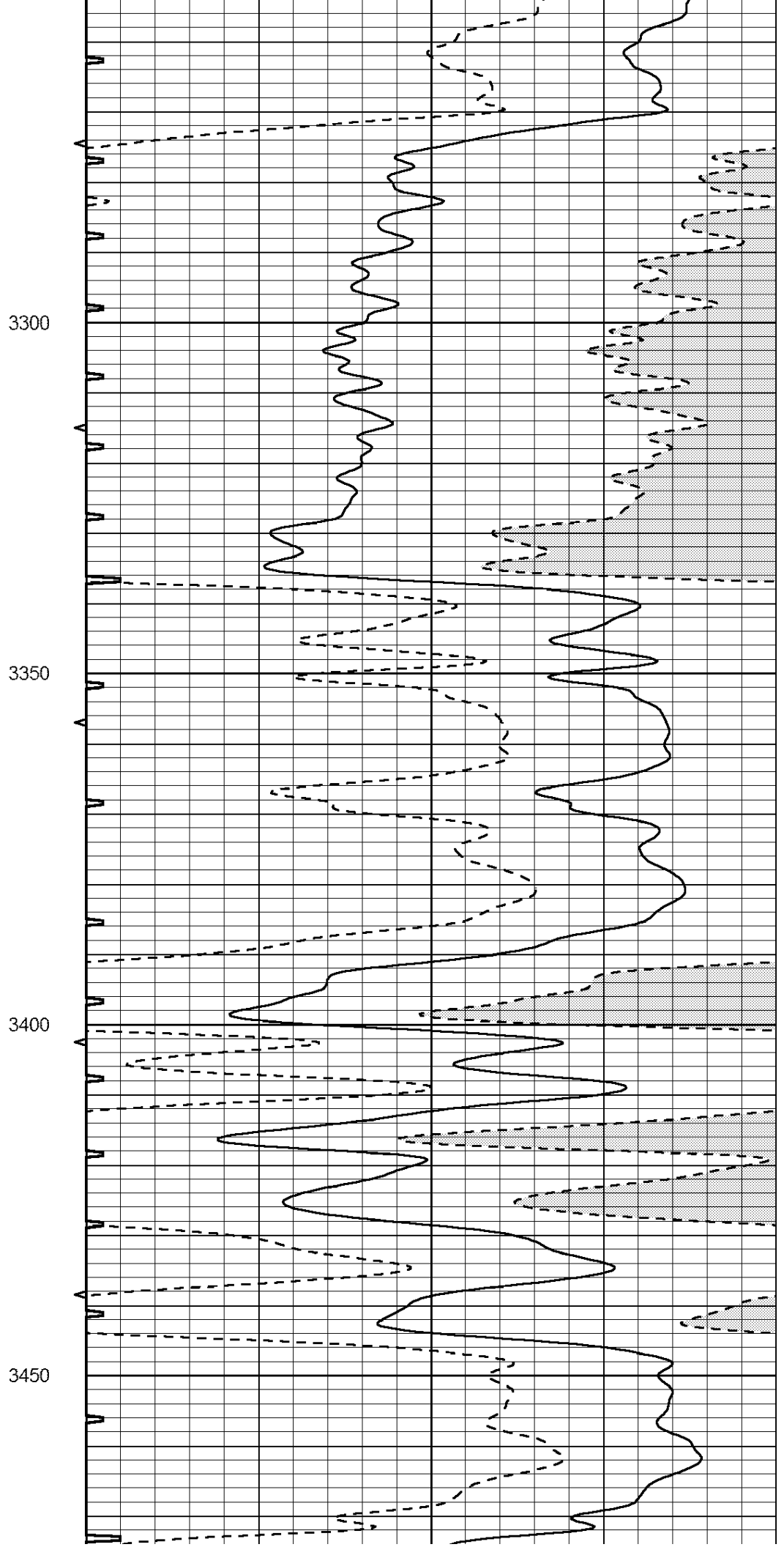
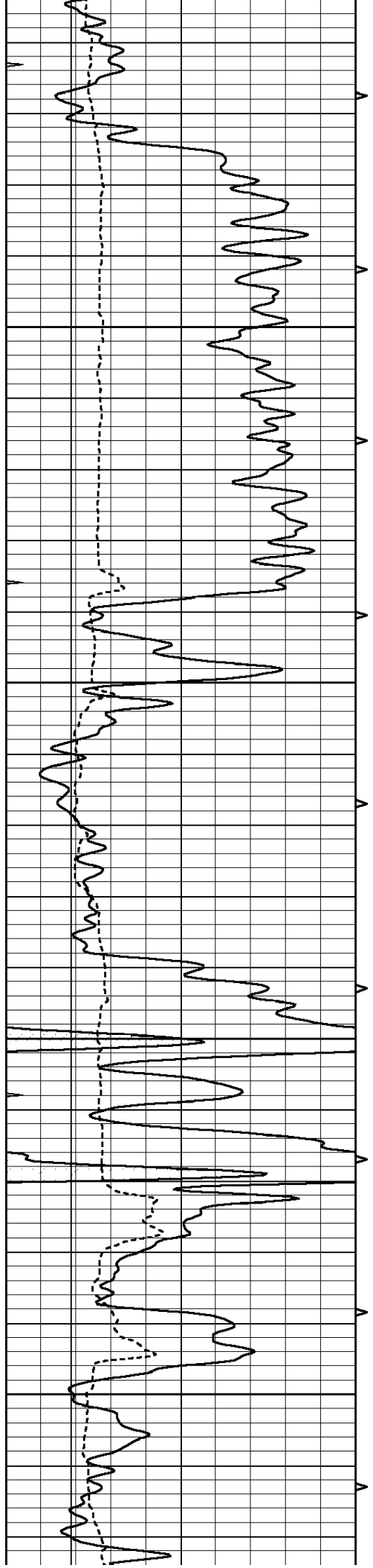


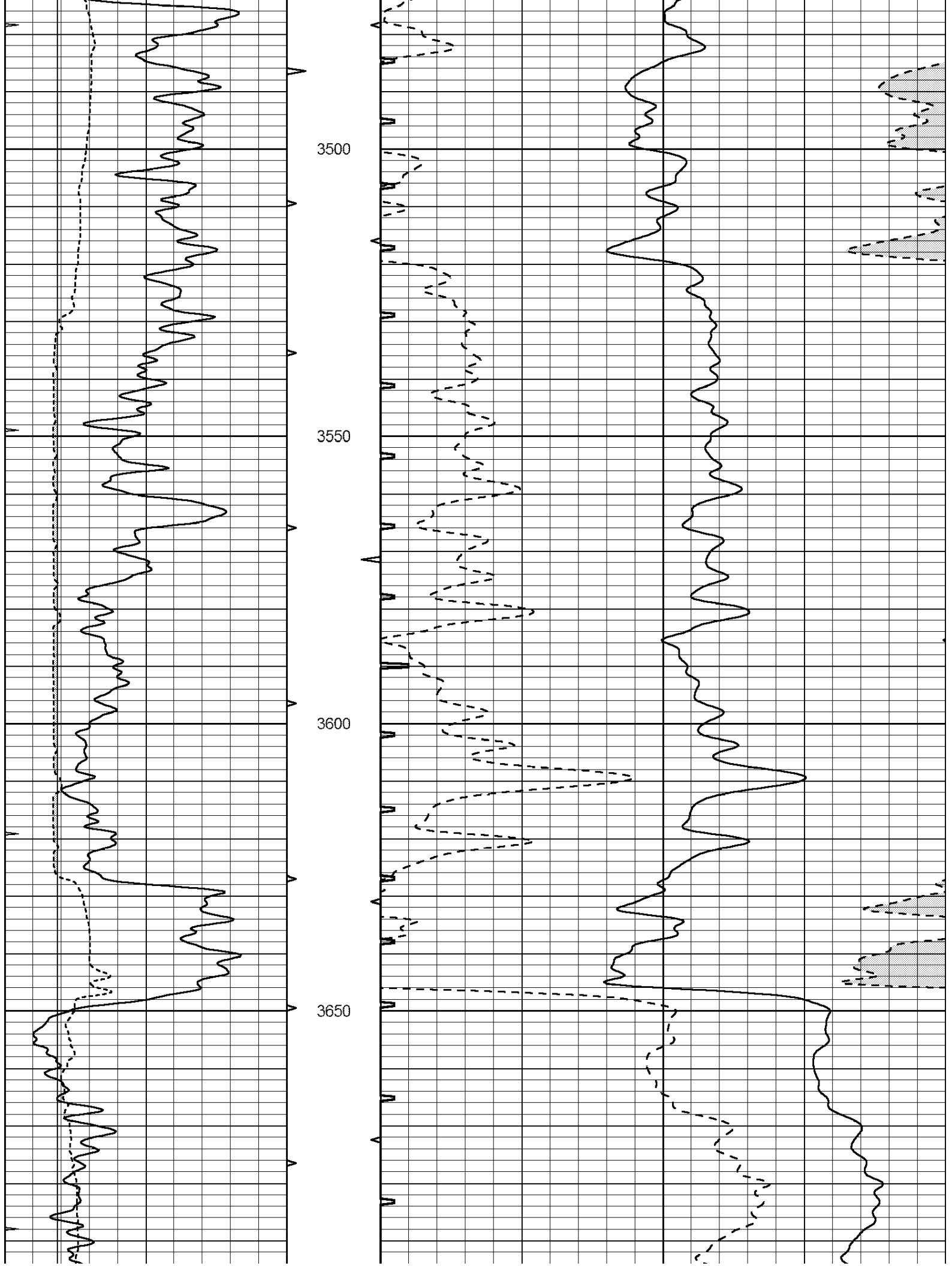


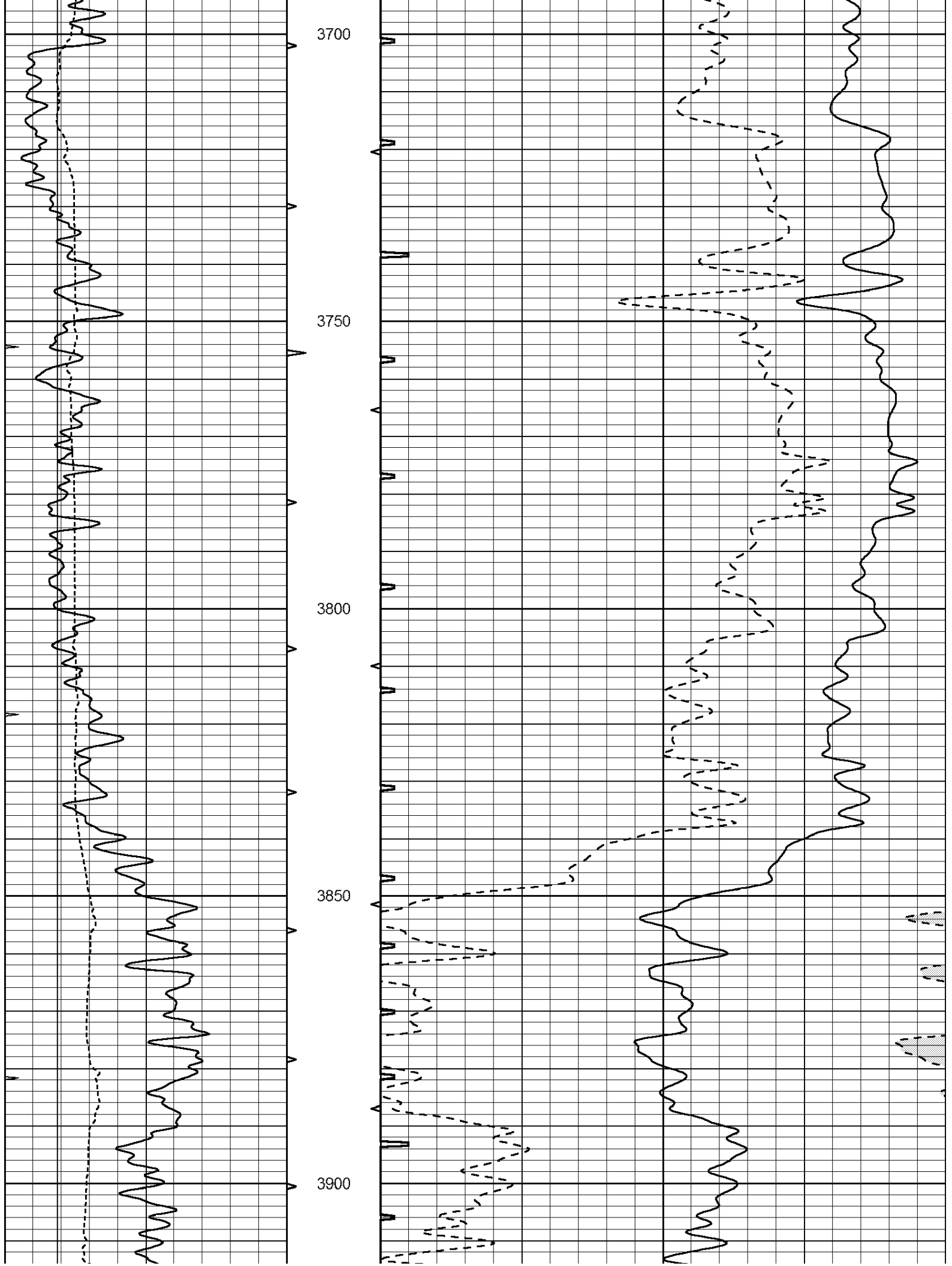


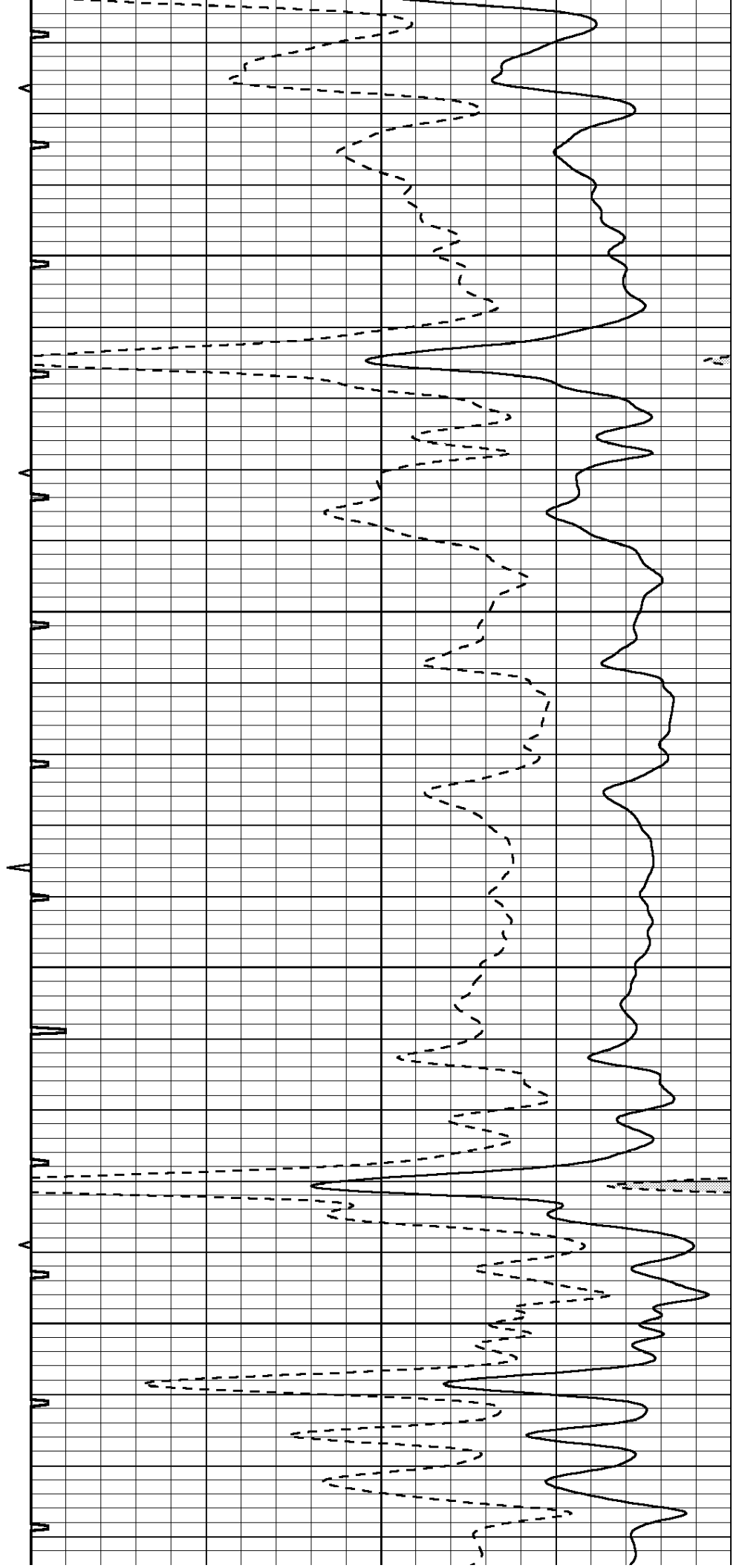
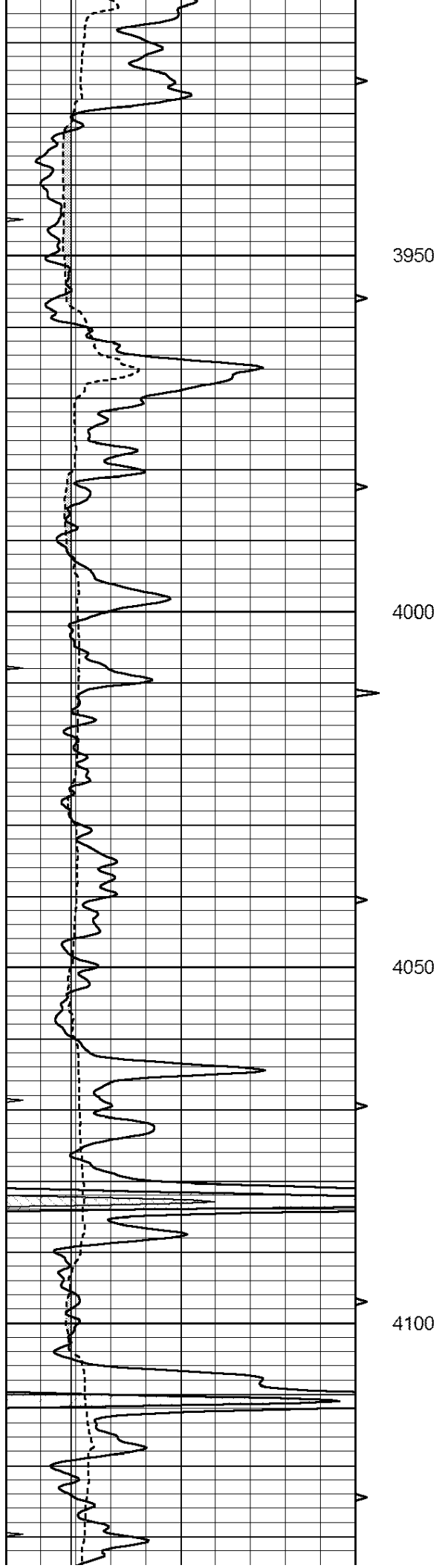


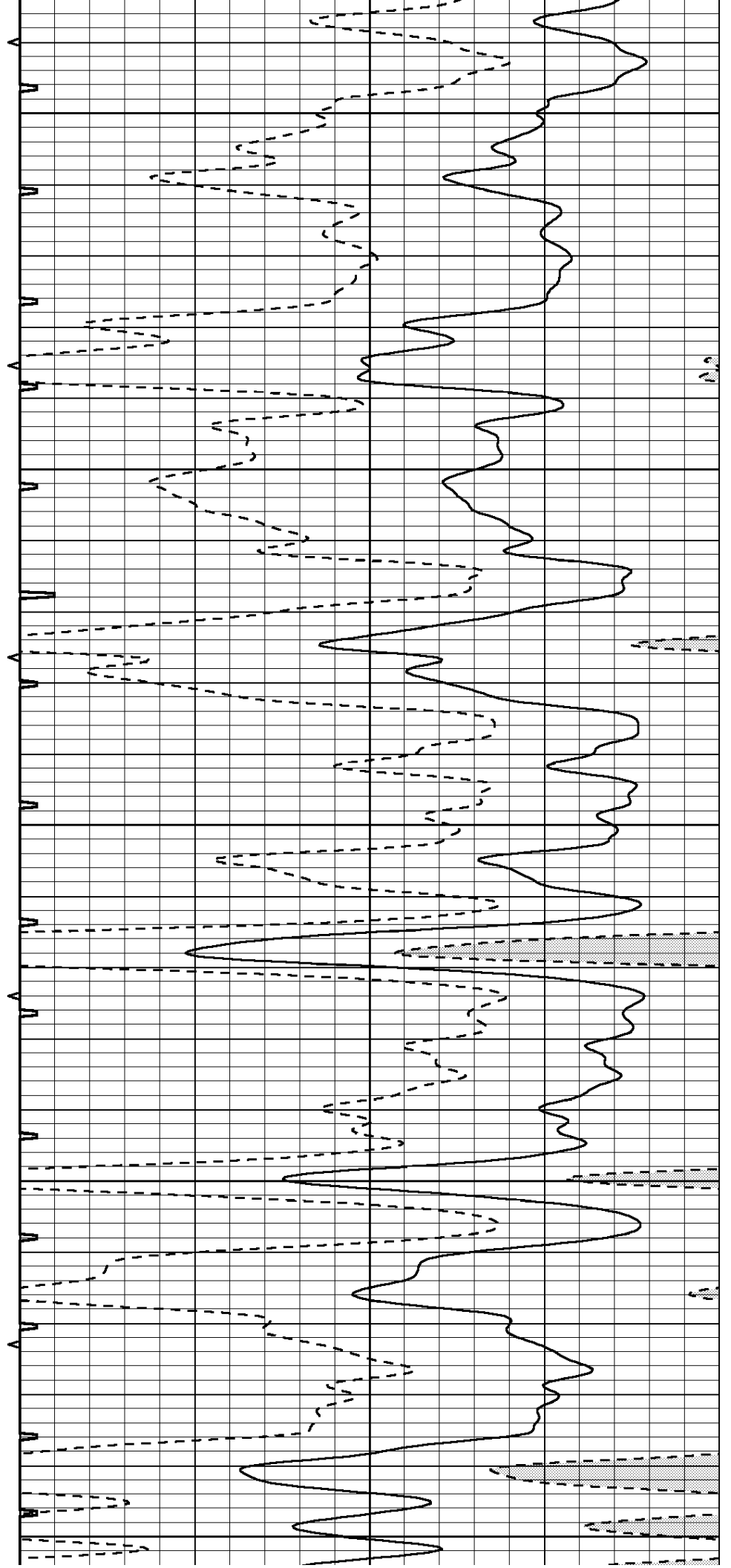
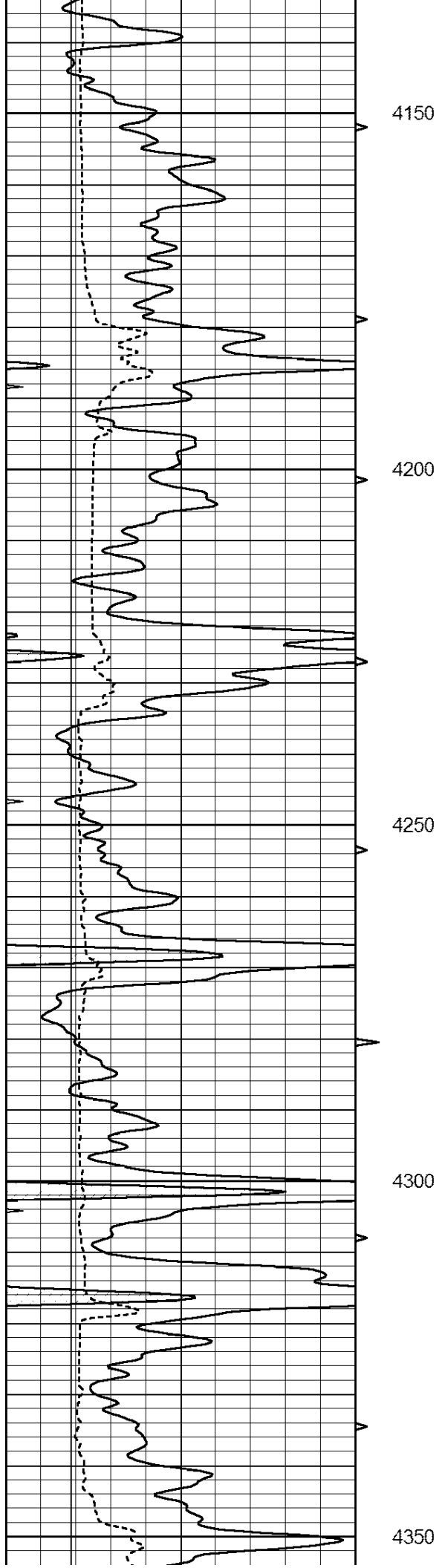


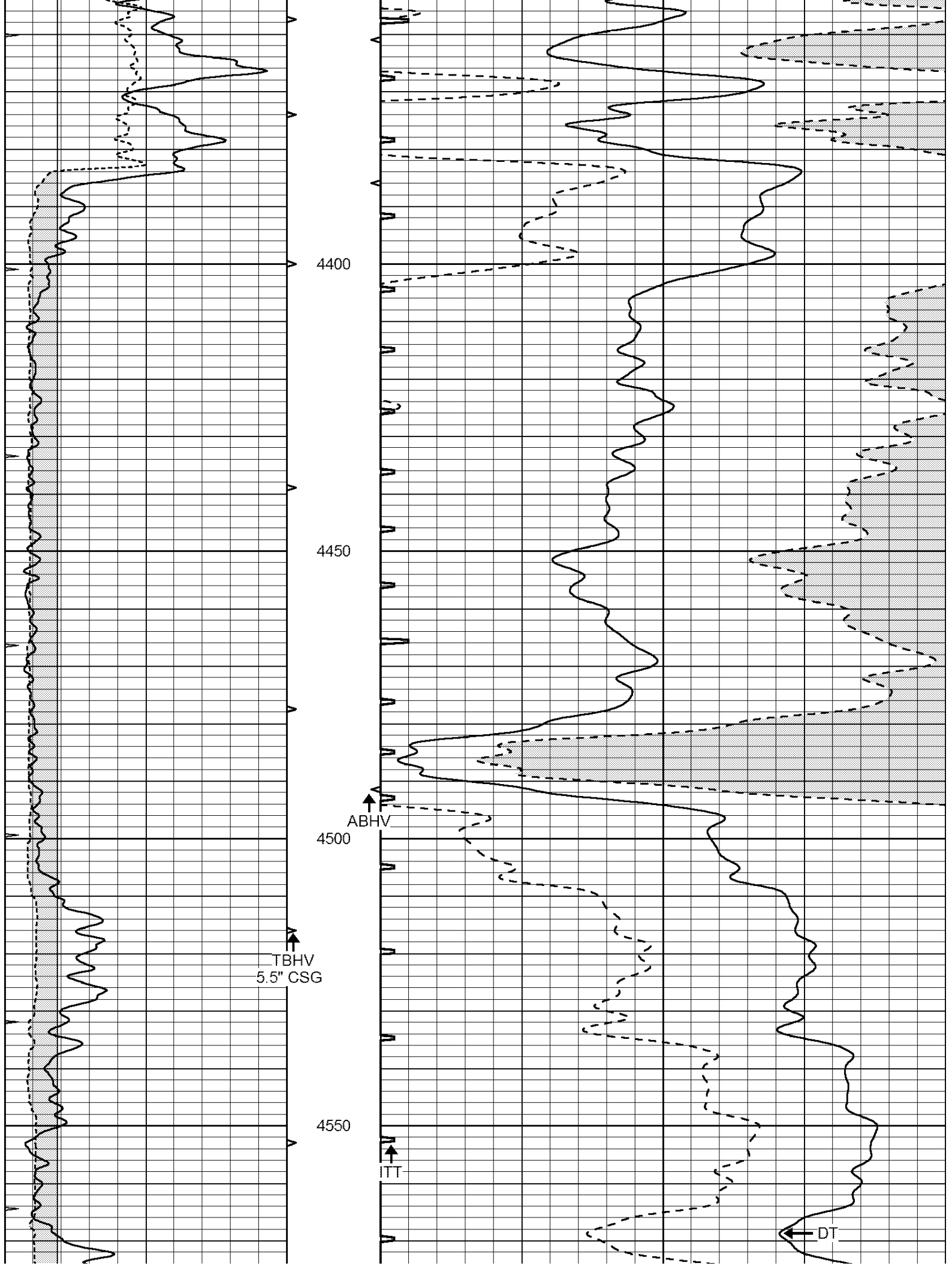


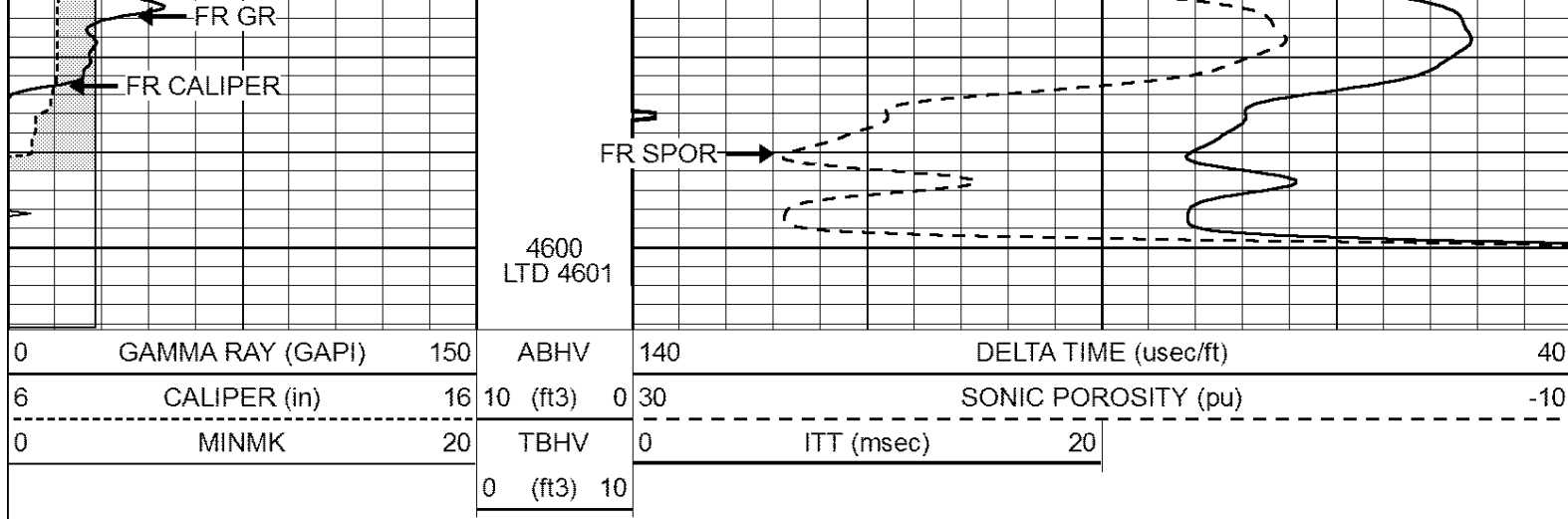












REPEAT SECTION

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

