



SONIC LOG

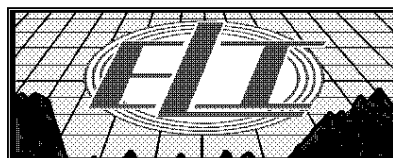
Company	PHILLIPS EXPLORATION, CO. L.C.		
Well	STEINLE NO.1		
Field	GORHAM		
County	RUSSELL		
State	KANSAS		
Company	MAI OIL OPERATIONS, INC.		
Well	STEINLE NO.1		
Field	GORHAM		
County	RUSSELL		
State	KANSAS		
Location:	API # : 15-167-24048-00-00		
Permanent Datum	GROUND LEVEL	Elevation	1888
Log Measured From	KELLY BUSHING	8' A.G.L.	
Drilling Measured From	KELLY BUSHING		
SEC 2	TWP 14S	RGE 15W	
Other Services	CNL/CDL	DIL/SONIC	
Elevation	K.B. 1896	D.F. 1894	G.L. 1888
Date	11/5/16		
Run Number	TWO		
Depth Driller	3390		
Depth Logger	3391		
Bottom Logged Interval	3381		
Top Log Interval	900		
Casing Driller	8 5/8"@933'		
Casing Logger	930'		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5,000PPM	
Density / Viscosity	9.4/50		
pH / Fluid Loss	9.5/8.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.95@80		
Rmf @ Meas. Temp	.71@80		
Rmc @ Meas. Temp	1.14@80		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.69@110		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	110F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JUSTIN HENRICKSON		
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.

Comments

THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
BALTA ROAD EXIT ON I70
1/2 NORTH, 1 1/2 WEST, SOUTH INTO

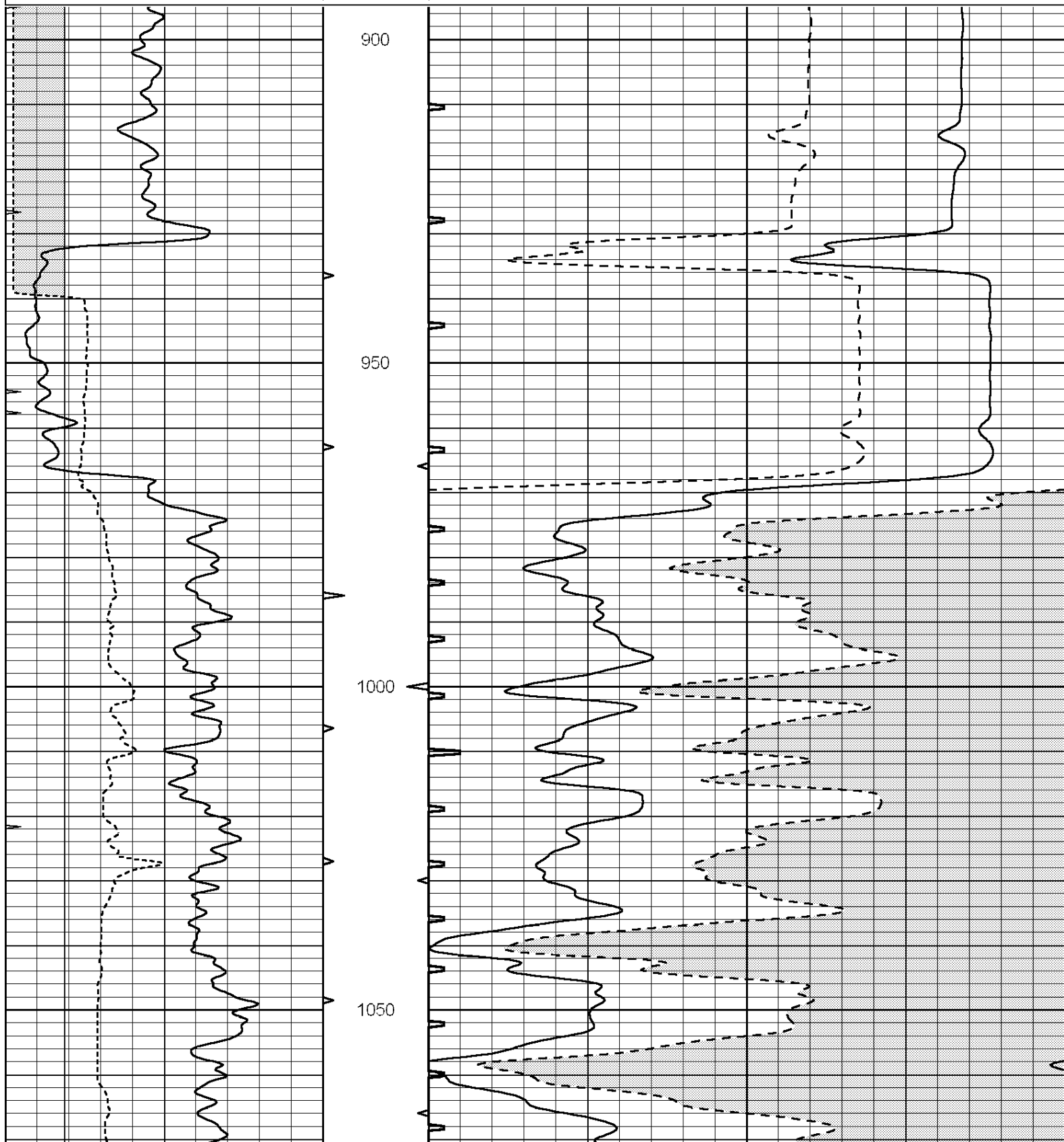


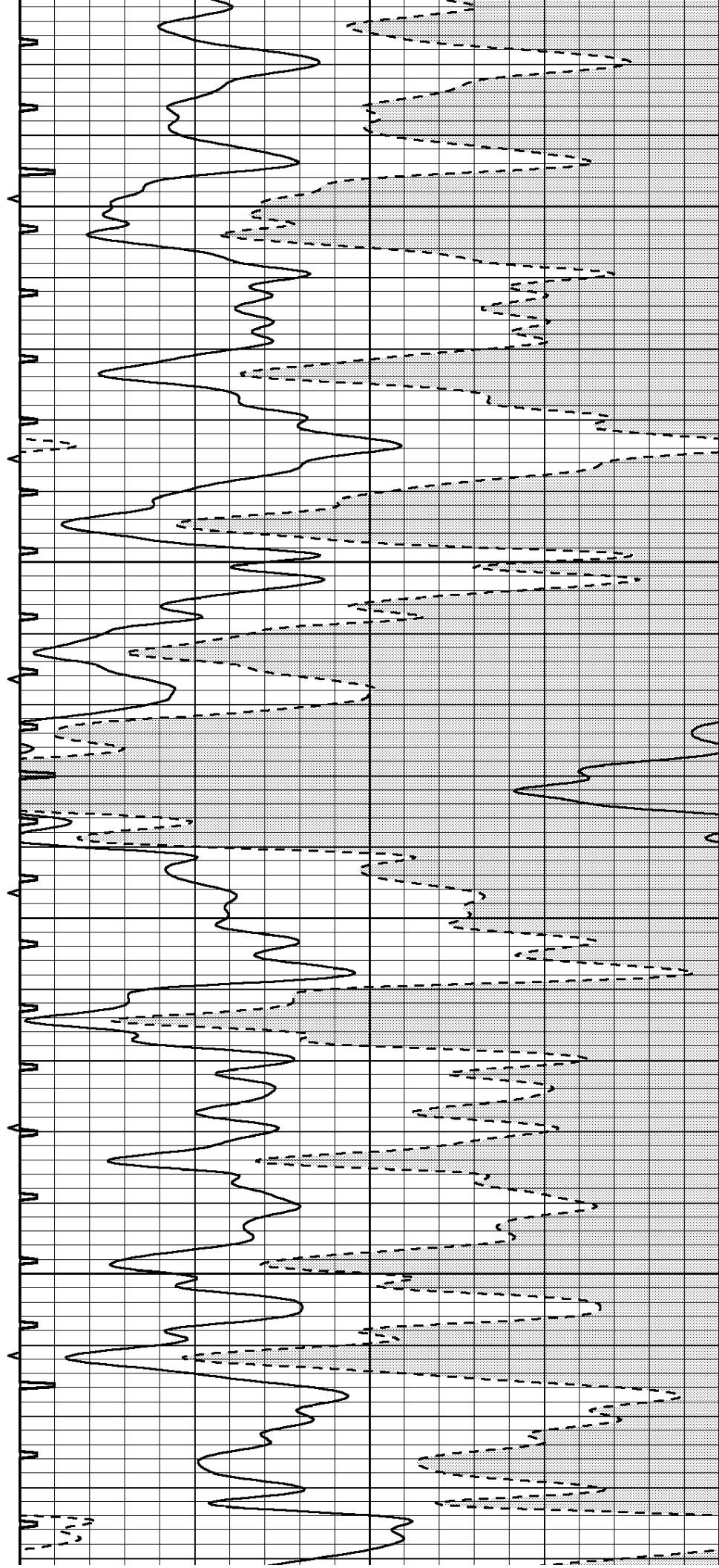
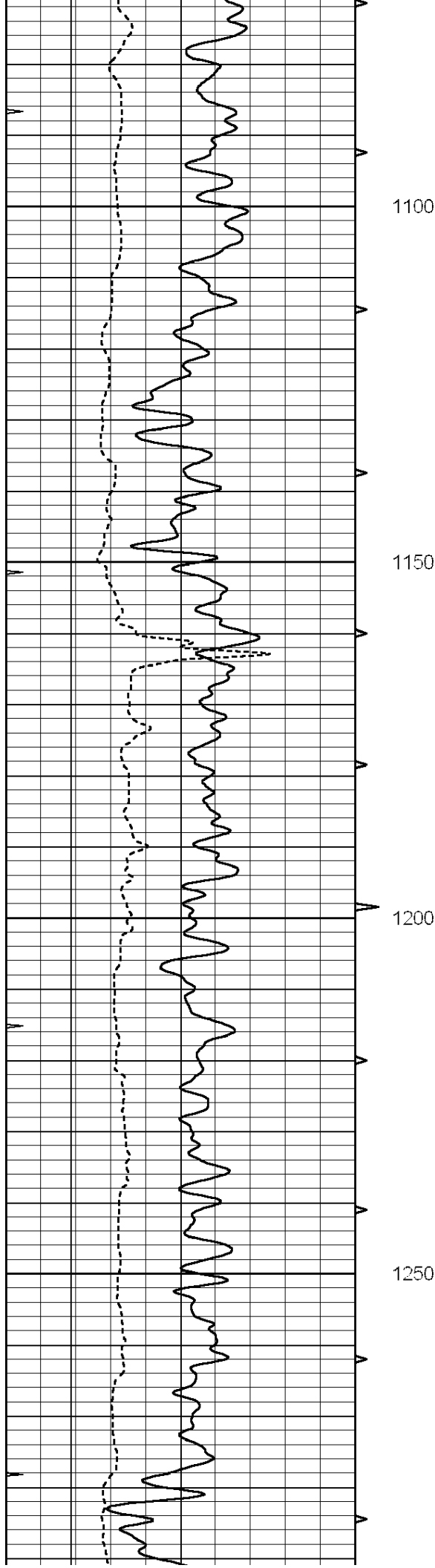
MAIN PASS

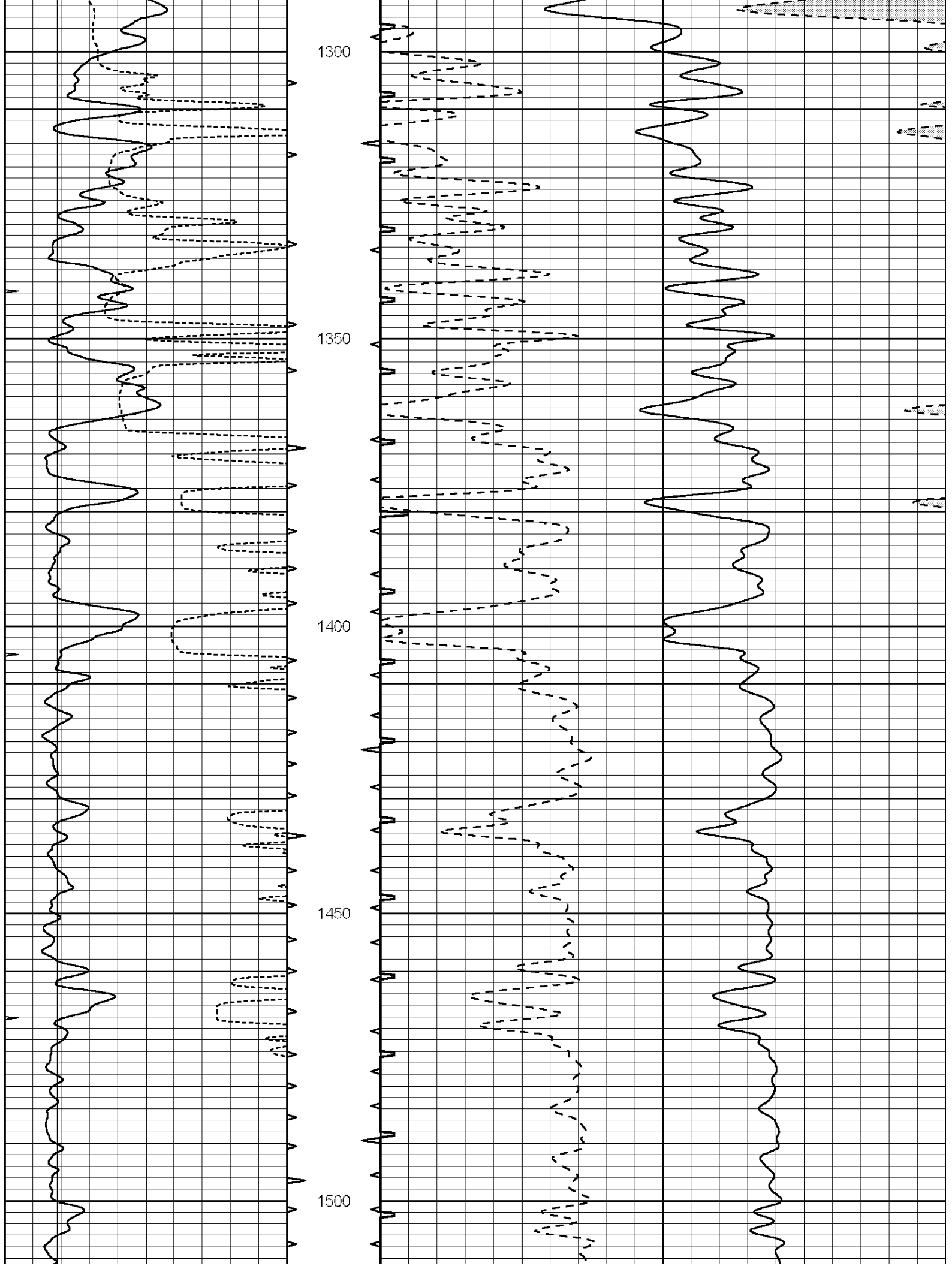
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 Presentation Format: _slt
 Dataset Creation: Sat Nov 05 18:05:52 2016 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

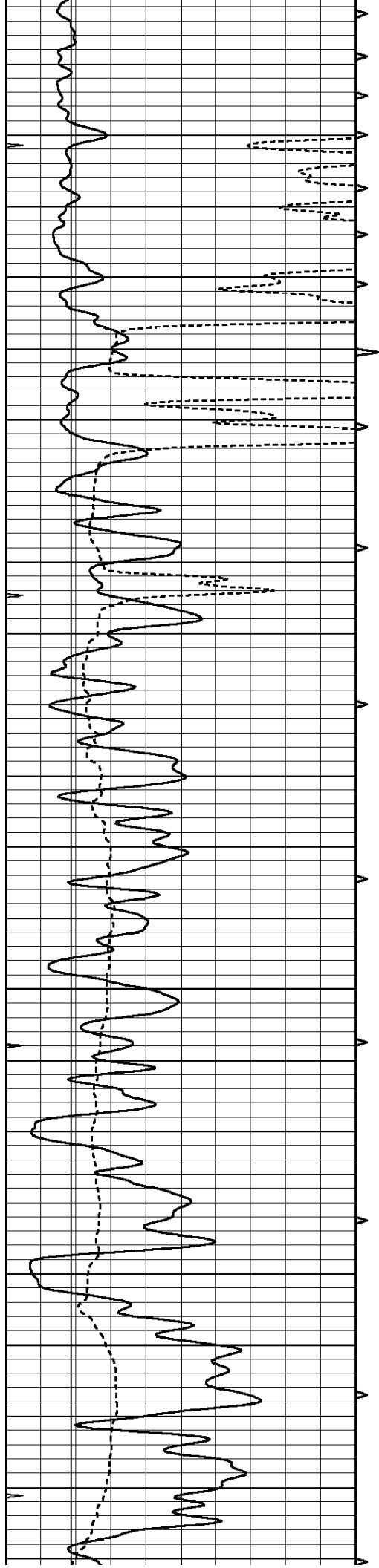
0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)		40	
6	CALIPER (in)	16	10 (ft3)	0	30	SONIC POROSITY (pu)		-10

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







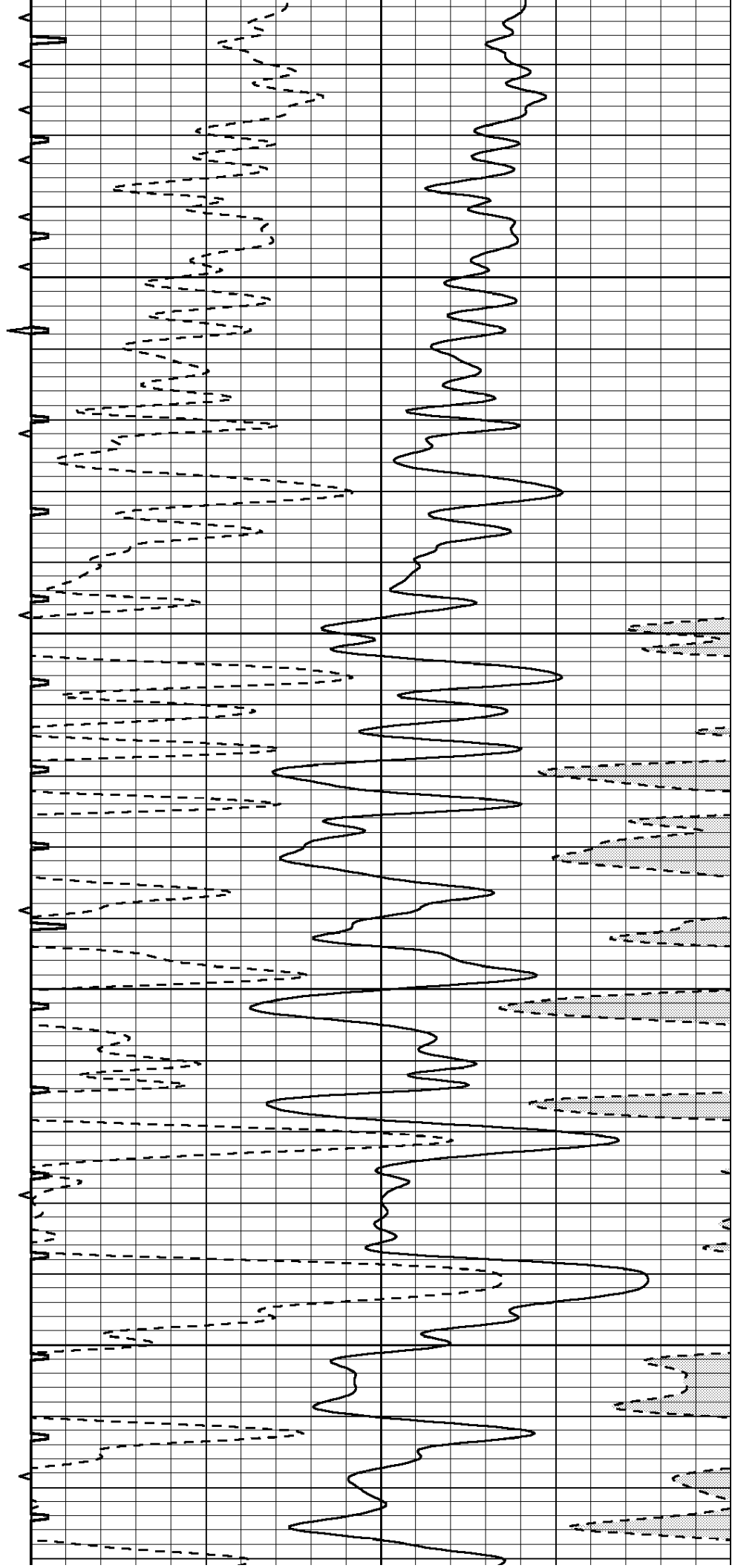


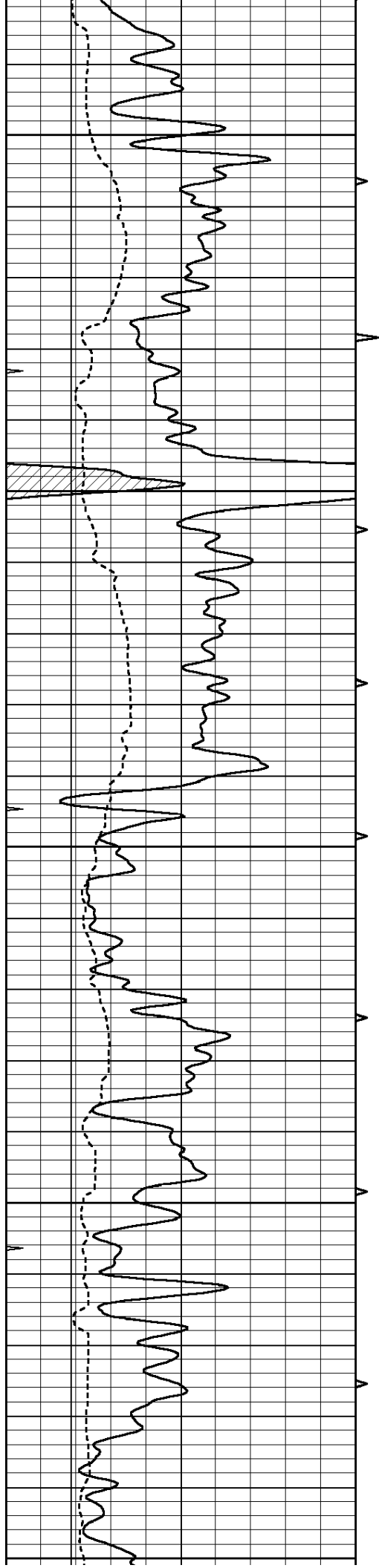
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1600

1650

1700





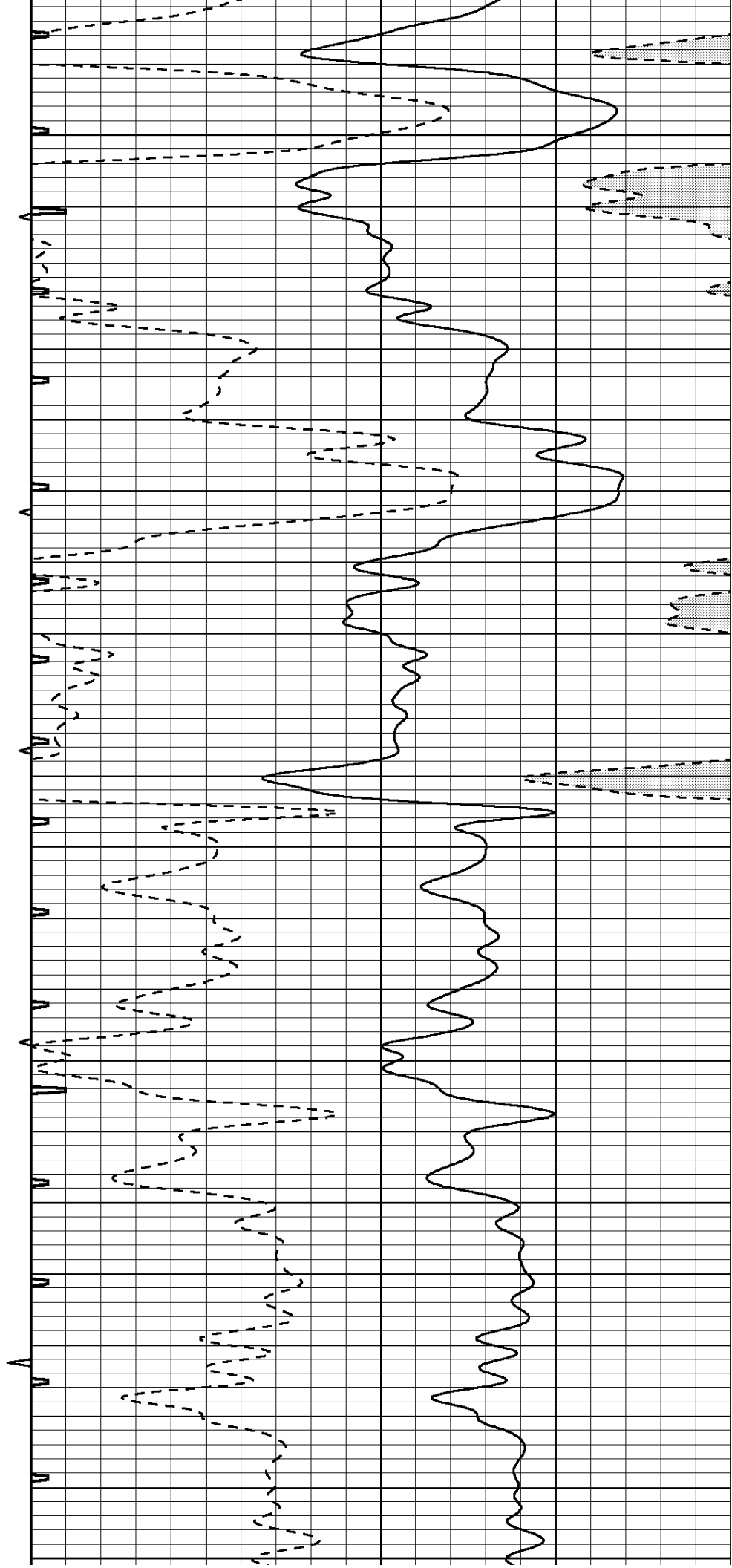
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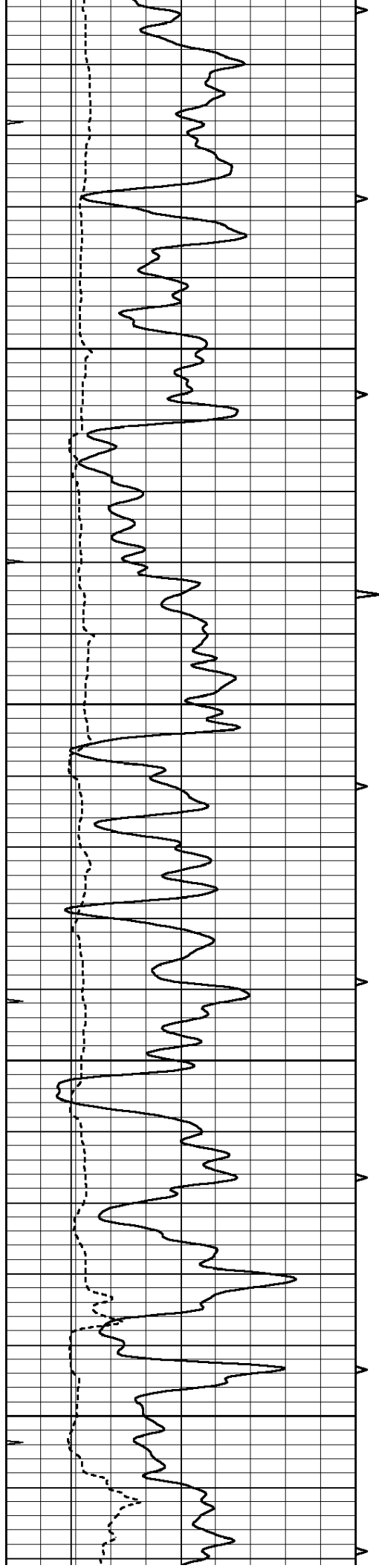
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1850

1900

1950



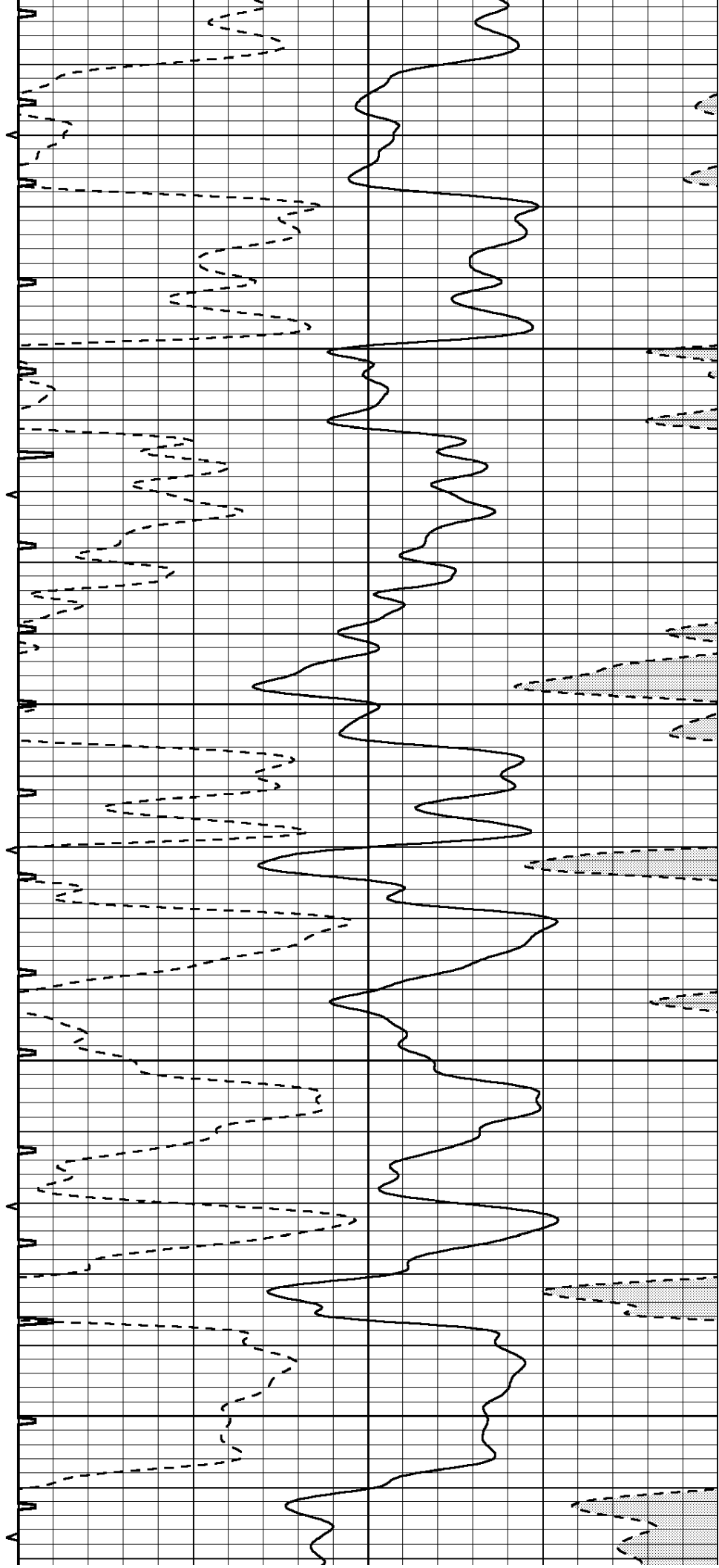


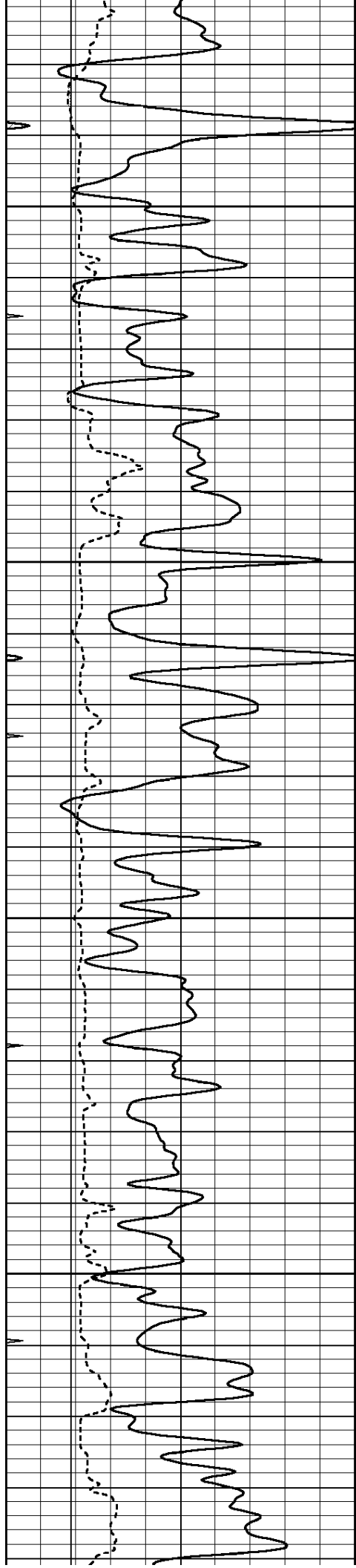
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2050

2100

2150



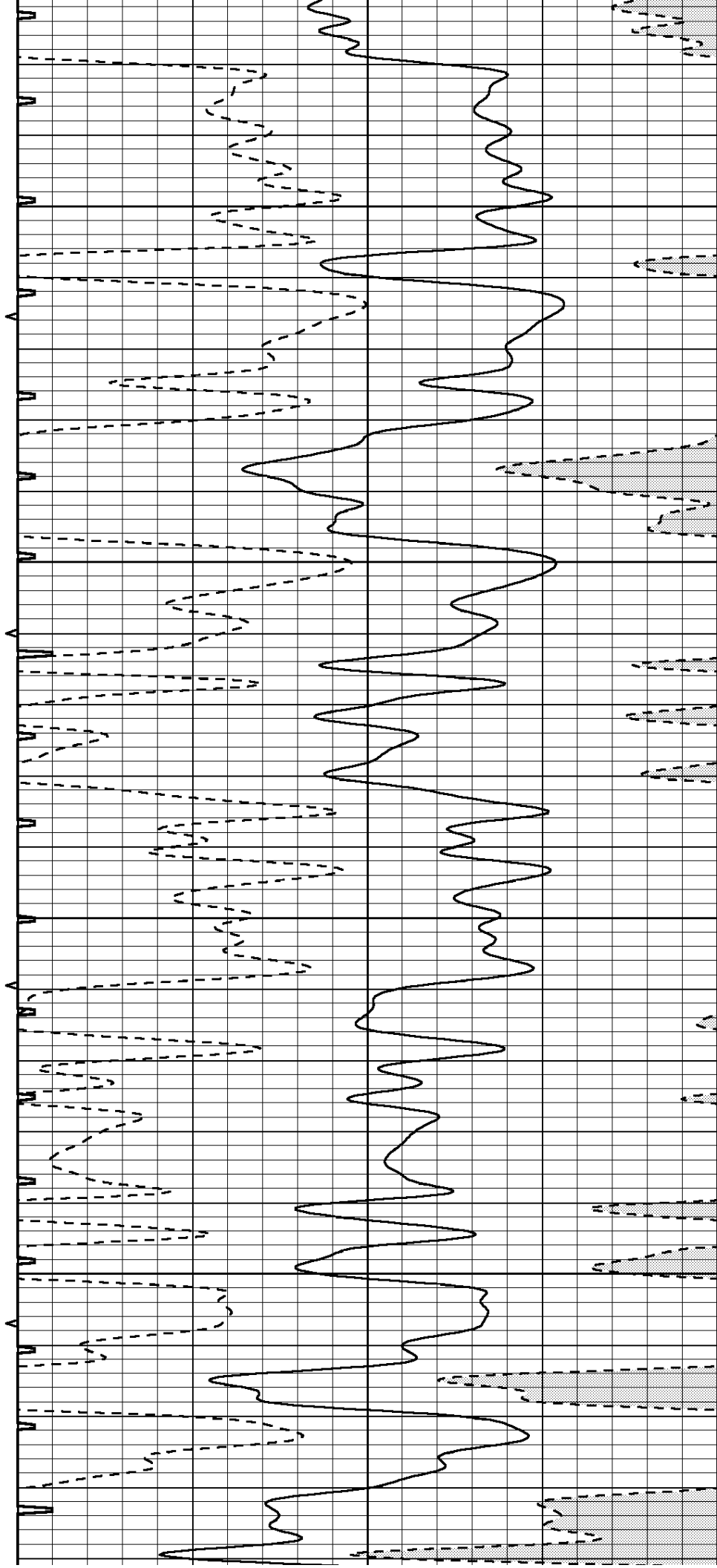


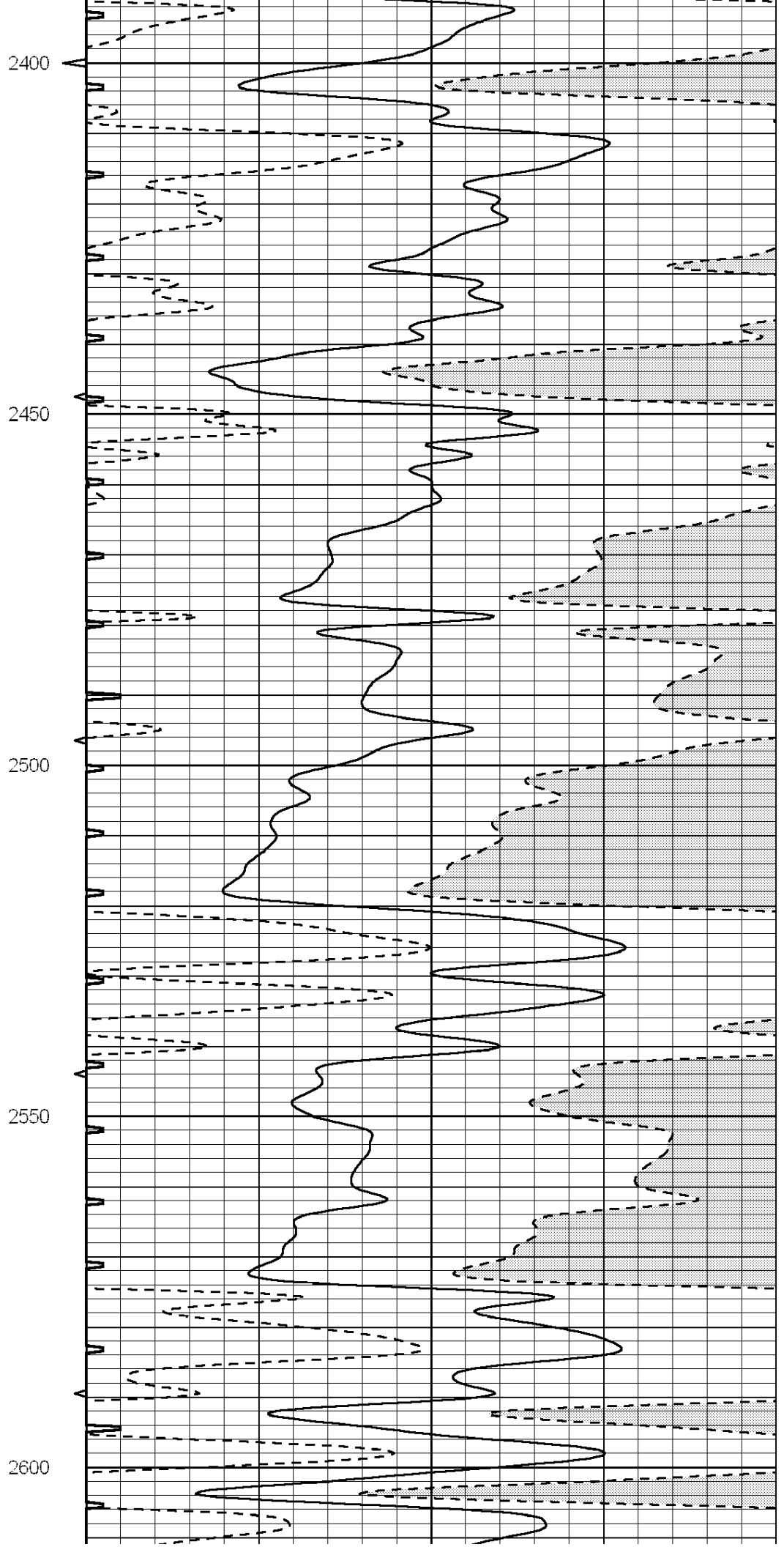
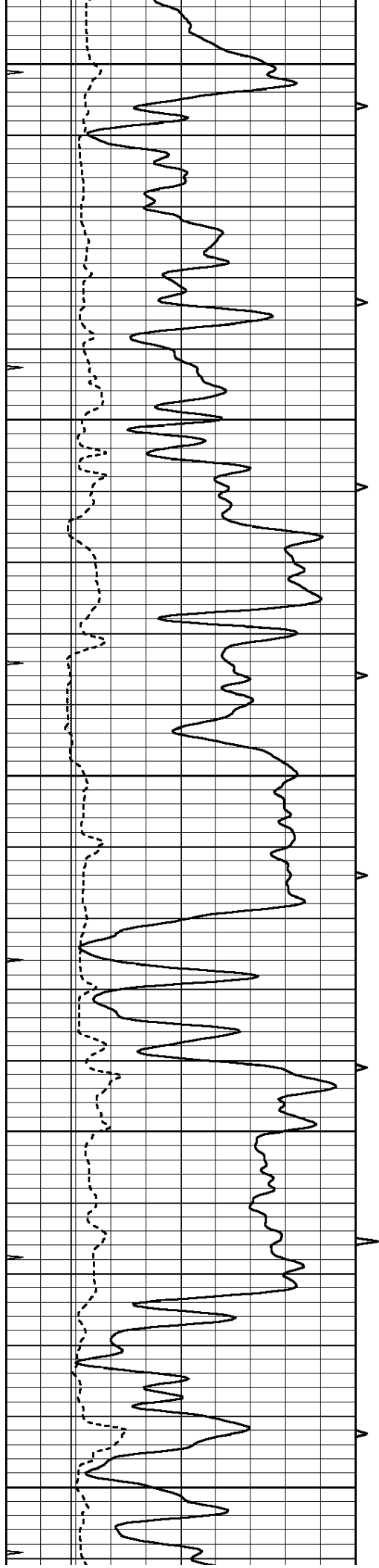
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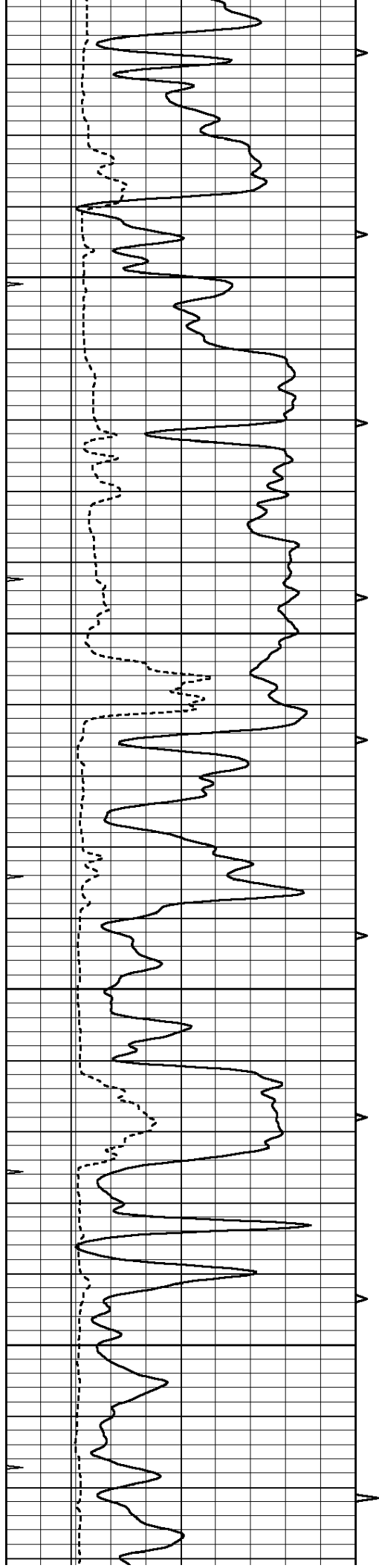
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2350





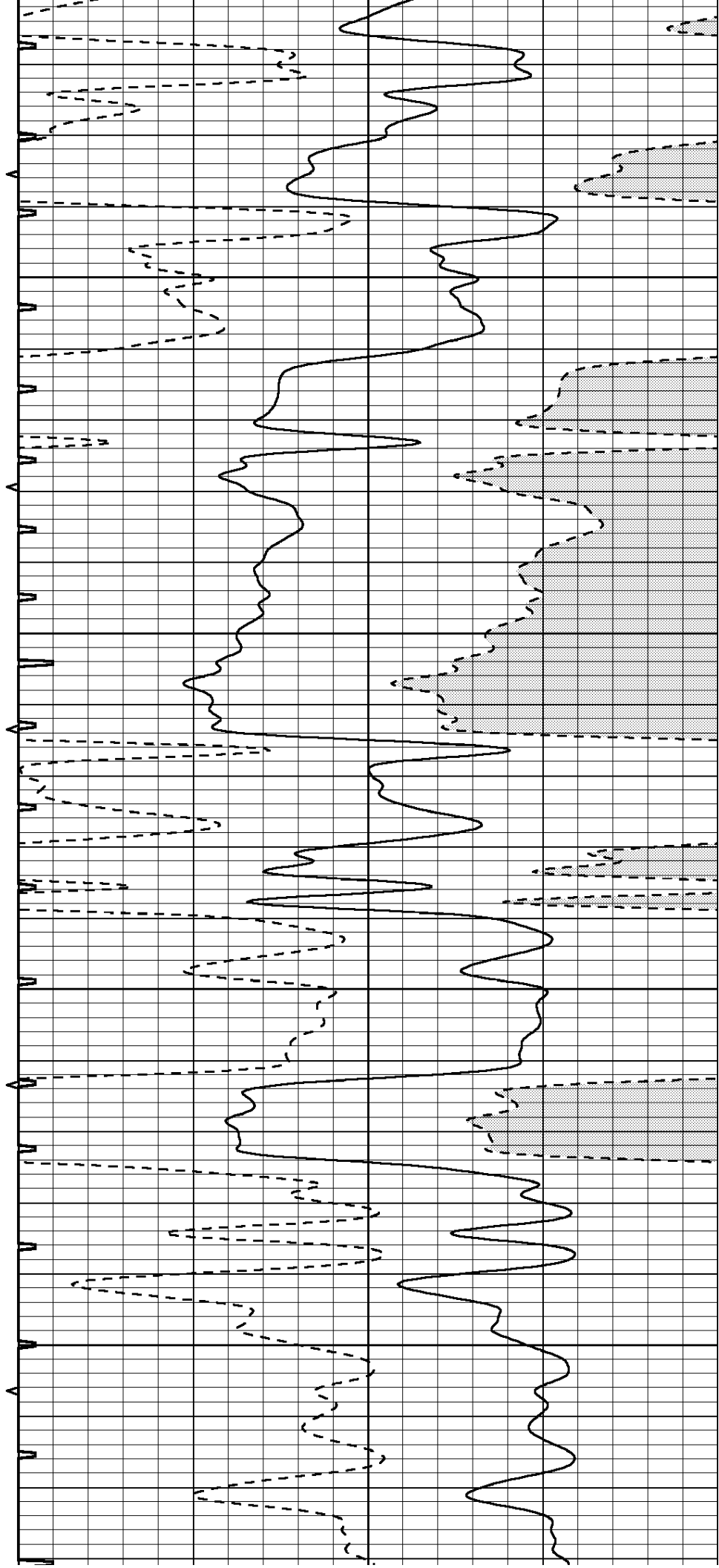


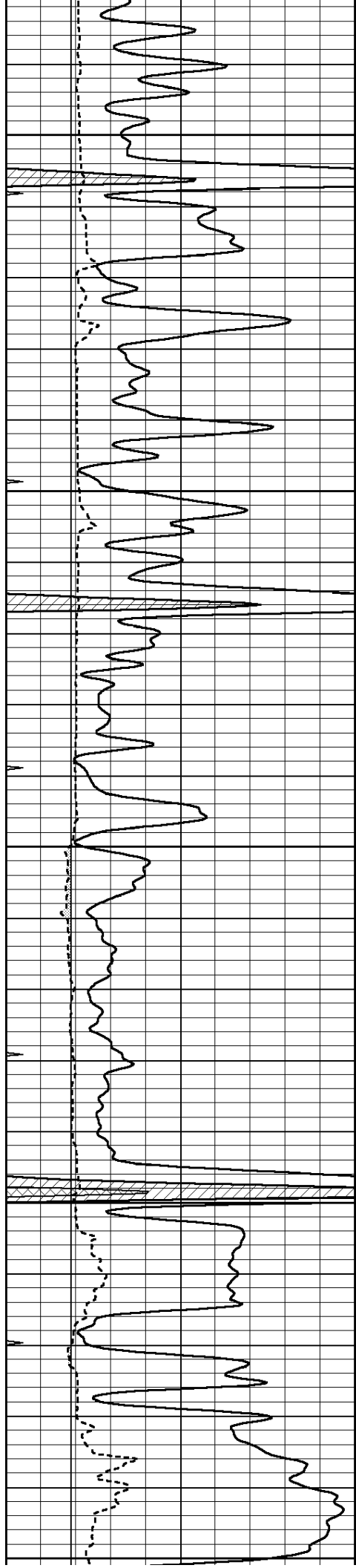
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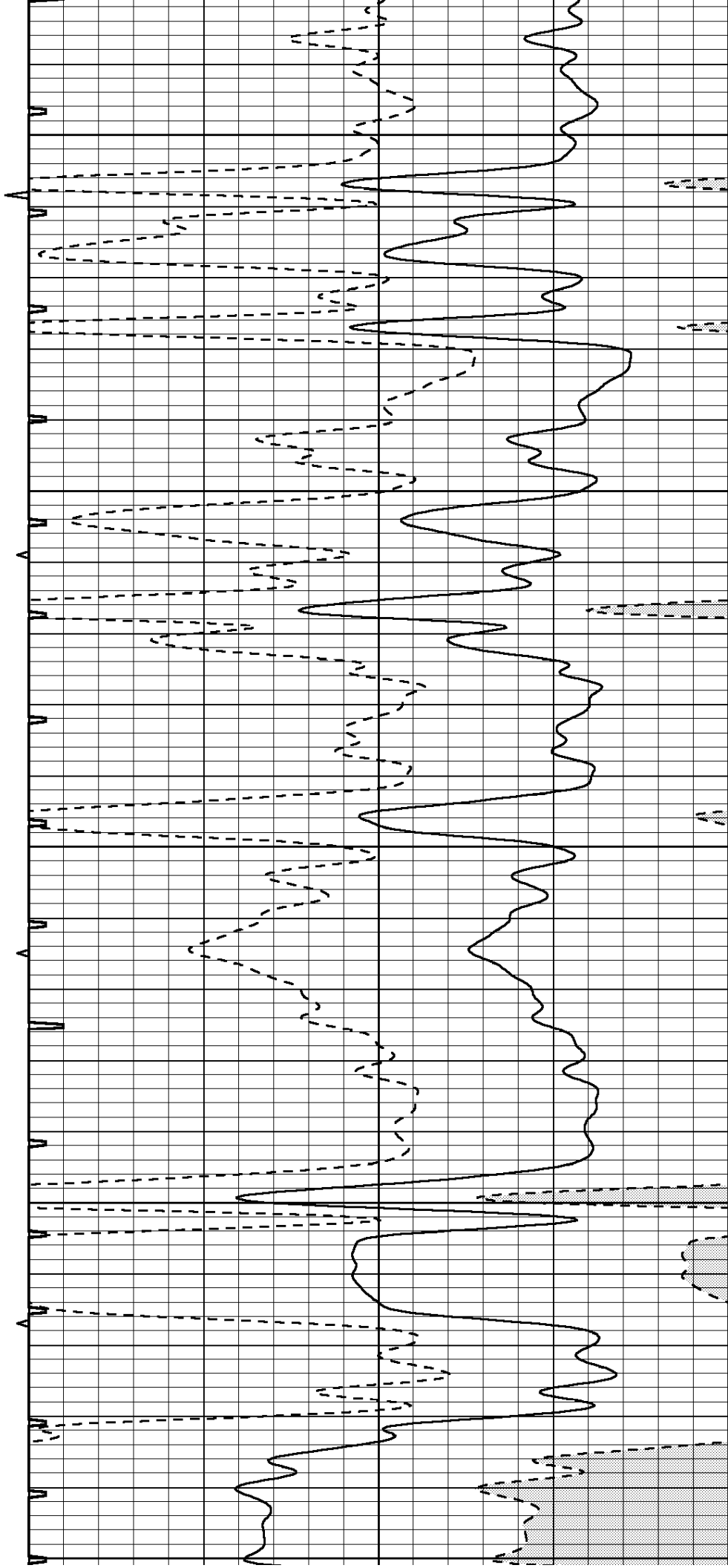
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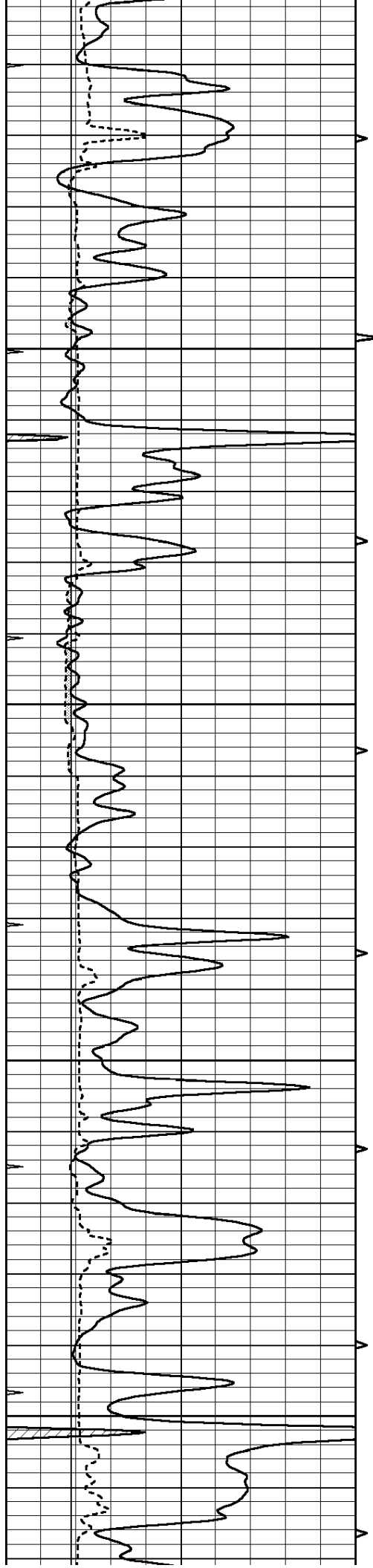
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3050



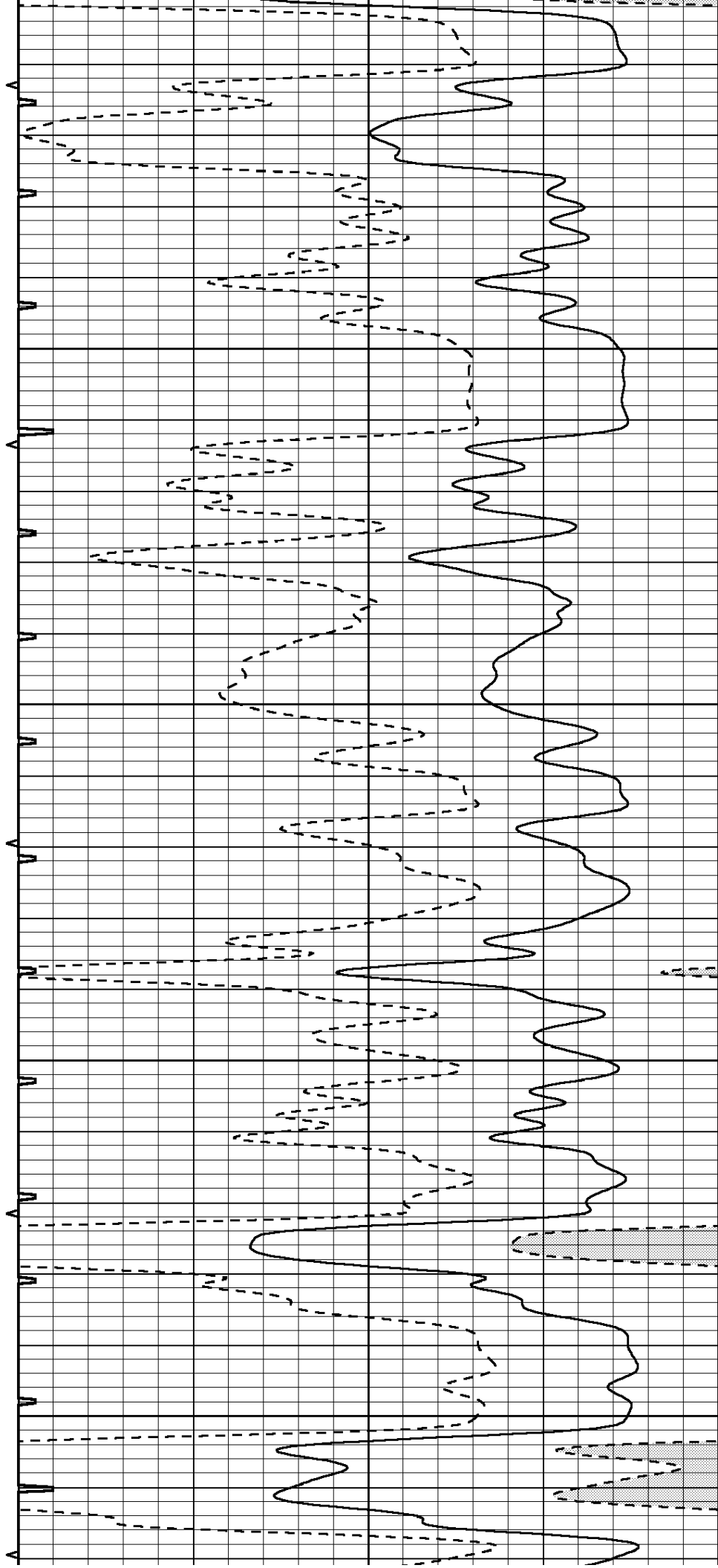


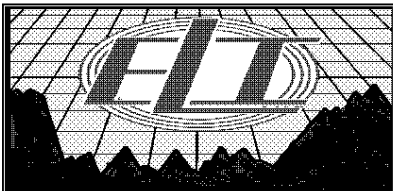
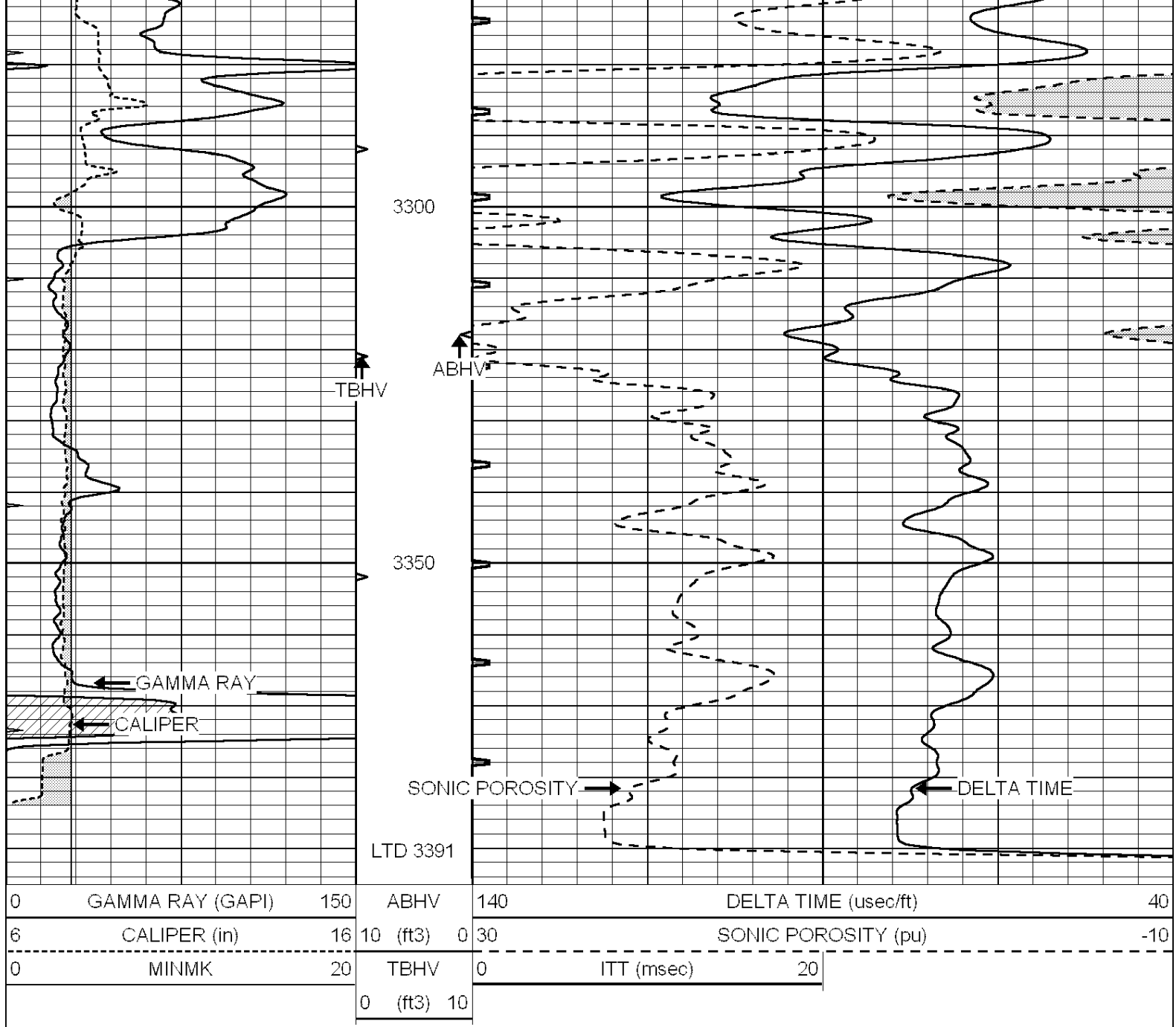
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3150

3200

3250





REPEAT SECTION

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 Charted by: Depth in Feet scaled 1:240

