

SONIC LOG

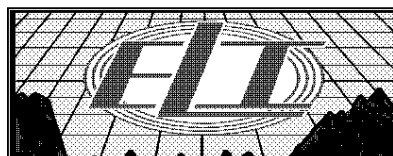
Company	DOWNING - NELSON OIL CO., INC.		
Well	OELKERS - WERTH UNIT #1-5		
Field	WILDCAT		
County	RUSH		
State	KANSAS		
Company	DOWNING - NELSON OIL COMPANY, INC.		
Well	OELKERS - WERTH UNIT #1-5		
Field	WILDCAT		
County	RUSH	State	KANSAS
Location:	API # : 15-165-22131-0000		Other Services CDL/CNL DIL/MEL
Permanent Datum	GROUND LEVEL	Elevation	2031
Log Measured From	KELLY BUSHING	8' A.G.L.	
Drilling Measured From	KELLY BUSHING		
SEC 5	TWP 16S	RGE 19W	
Date	8/16/16		
Run Number	TWO		
Depth Driller	3677		
Depth Logger	3680		
Bottom Logged Interval	3672		
Top Log Interval	1200		
Casing Driller	8 5/8"@1255'		
Casing Logger	1254		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6,000 PPM	
Density / Viscosity	9.1/45		
pH / Fluid Loss	9.5/10.4		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.400@80F		
Rinf @ Meas. Temp	.300@80F		
Rinc @ Meas. Temp	.480@80F		
Source of Rinf / Rinc	MEASUREMENT		
Rin @ BHT	.283@113F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	8:15 A.M.		
Maximum Recorded Temperature	113F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	MARC DOWNING		

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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
ANTONINO, KS., S. TO STOP SIGN (SCHOENCHEN RD.) 1W., 1S., 1W. TO "T", 1S. TO CURVE, W. INTO
AT TIN SHED

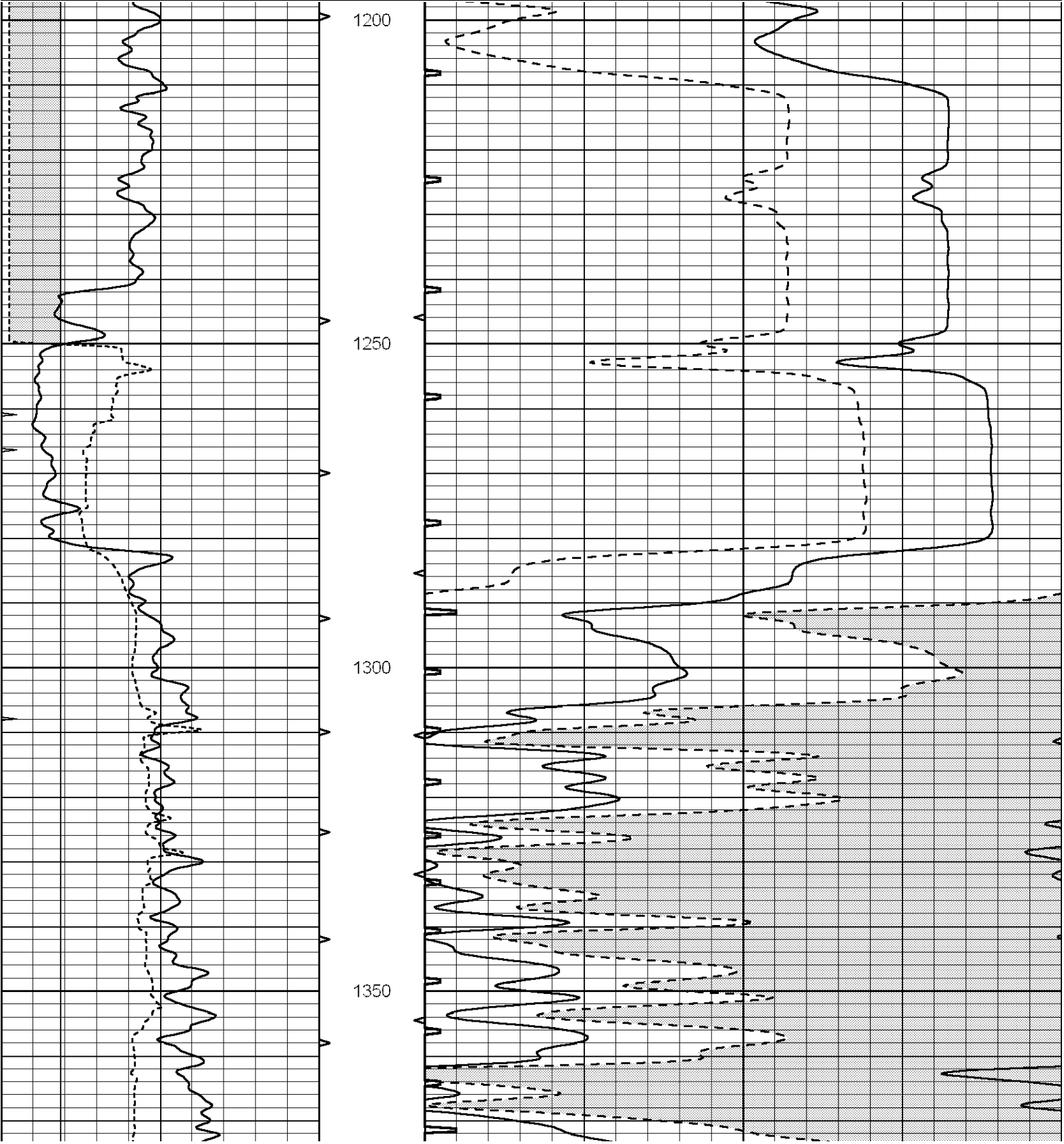


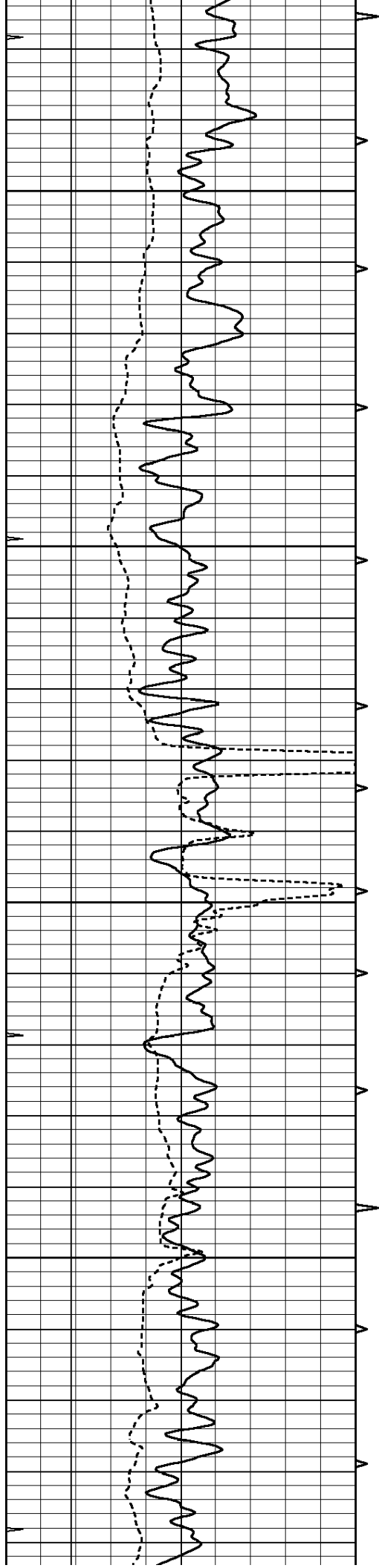
MAIN SECTION

Database File: 30759ddn.db
Dataset Pathname: pass6.3
Presentation Format: slt
Dataset Creation: Tue Aug 16 11:27:40 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				



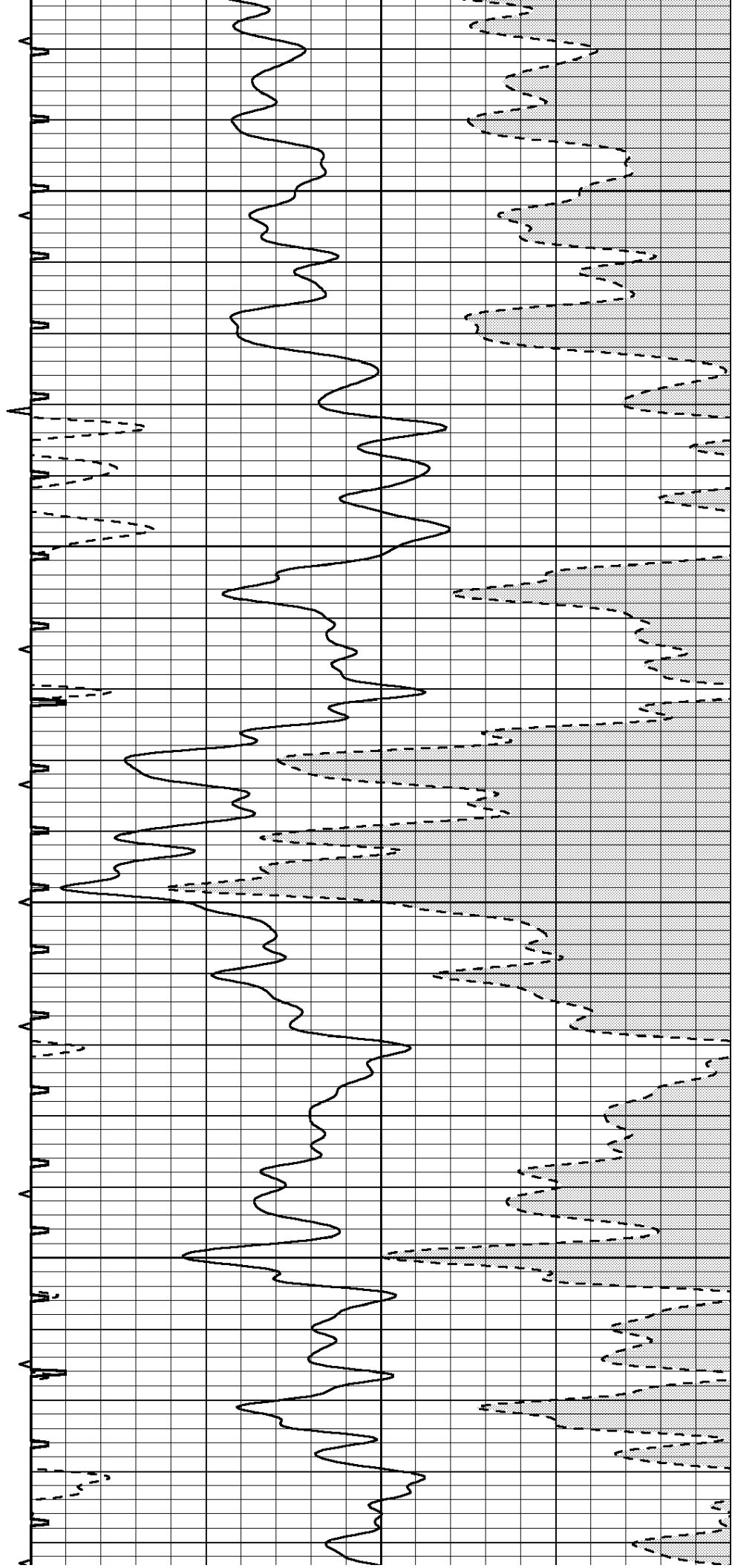


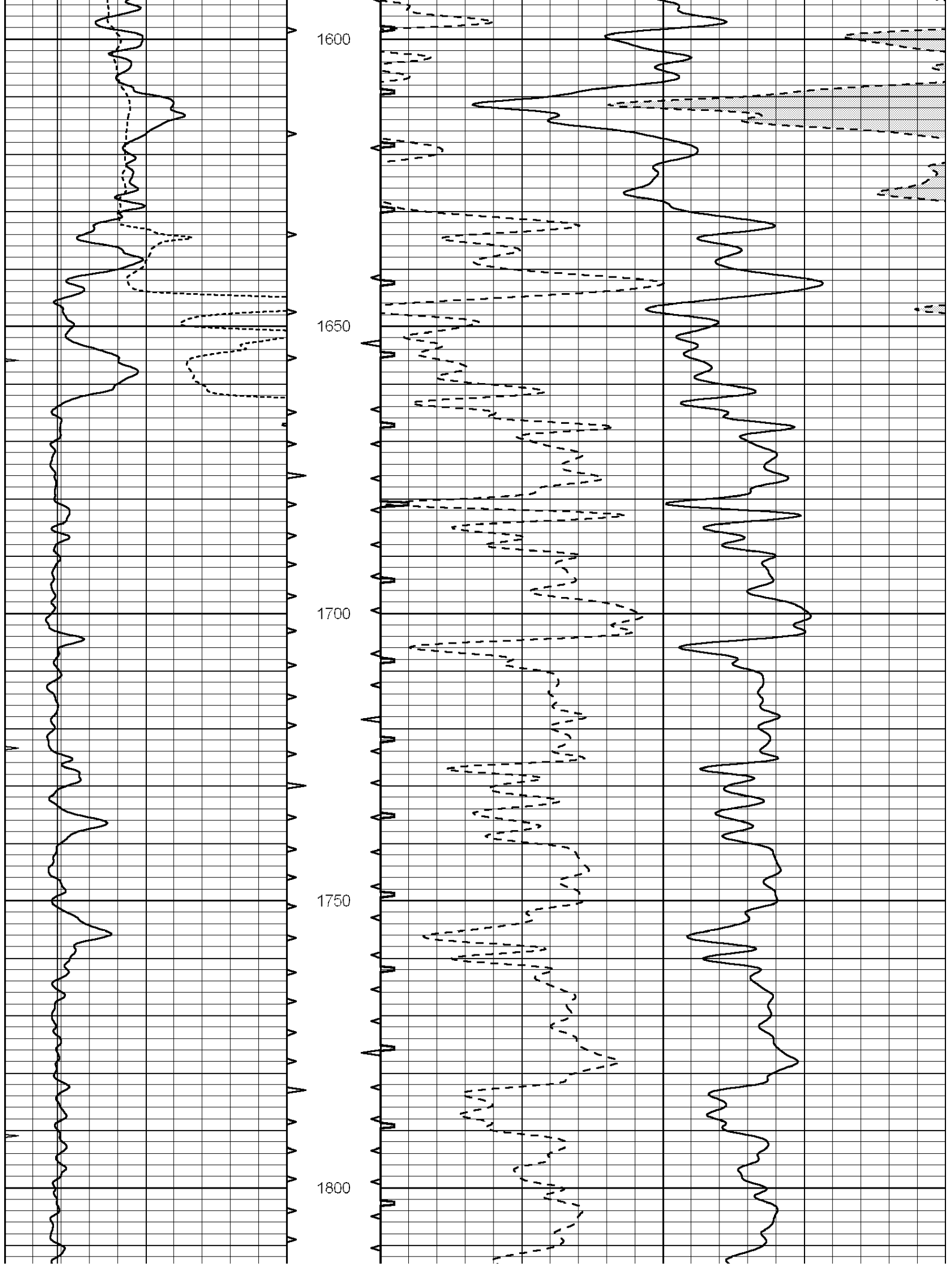
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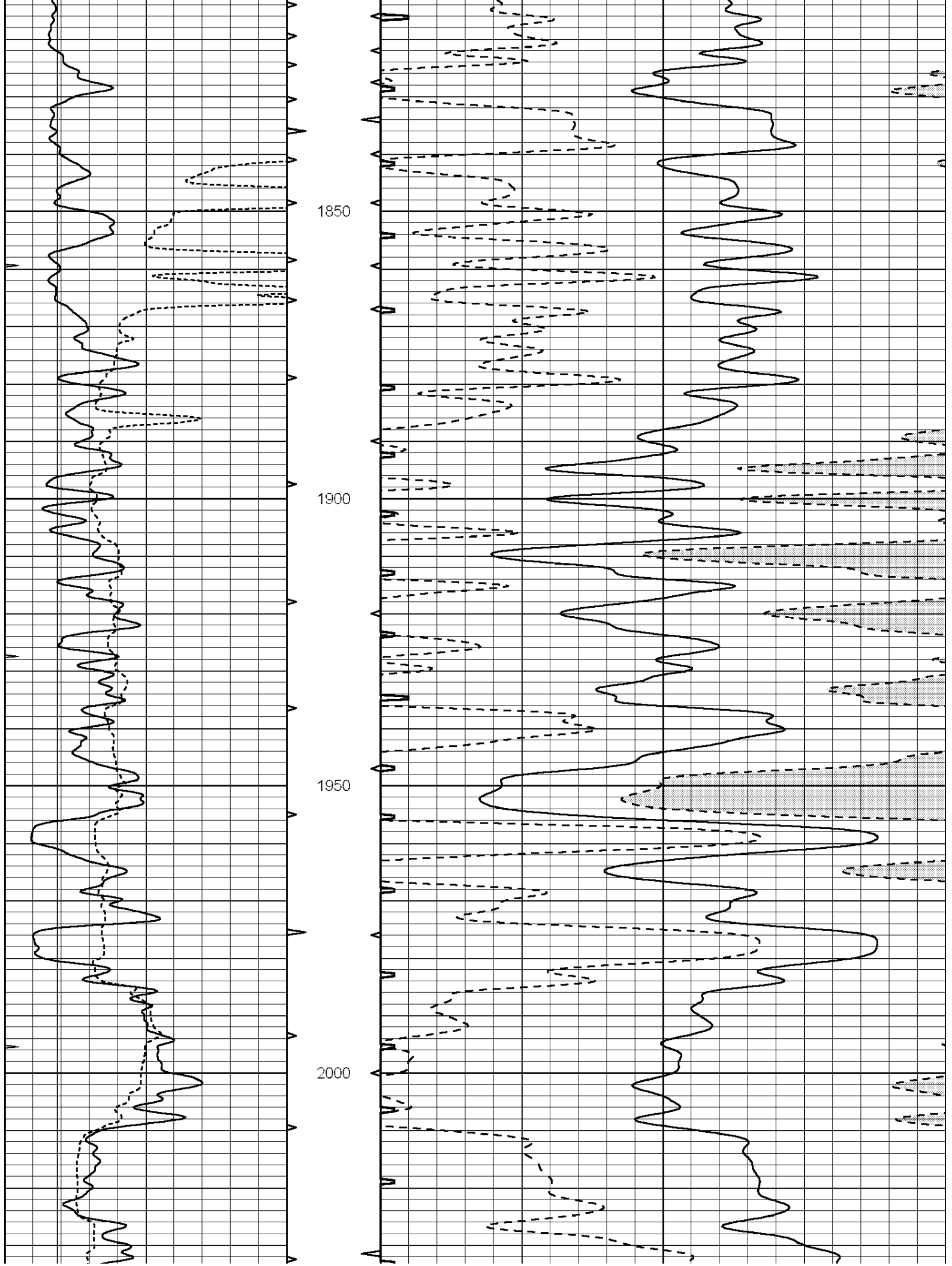
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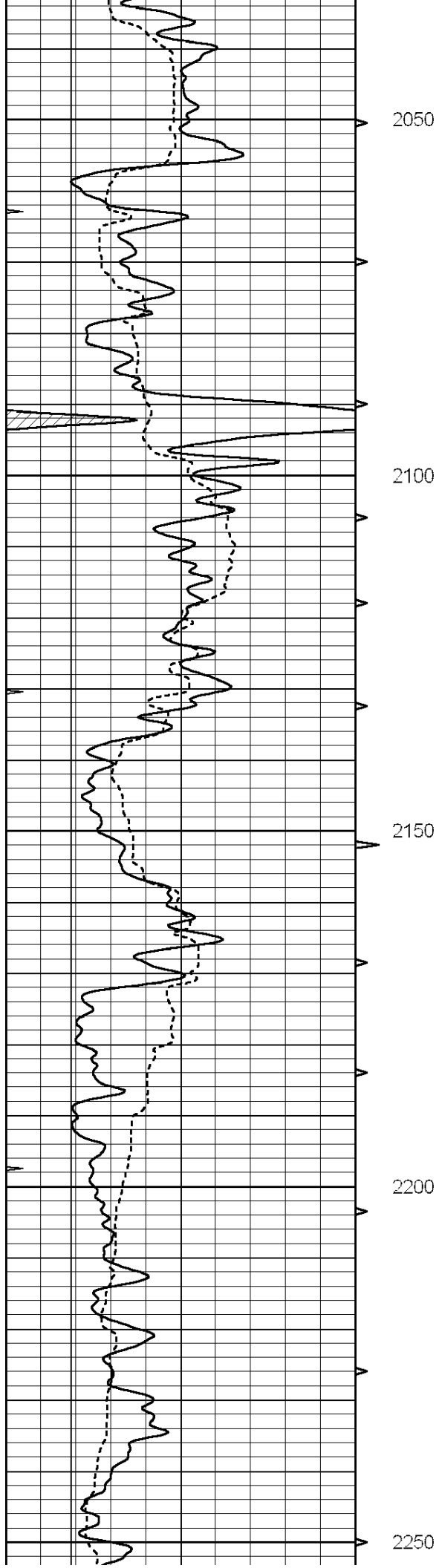
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1550









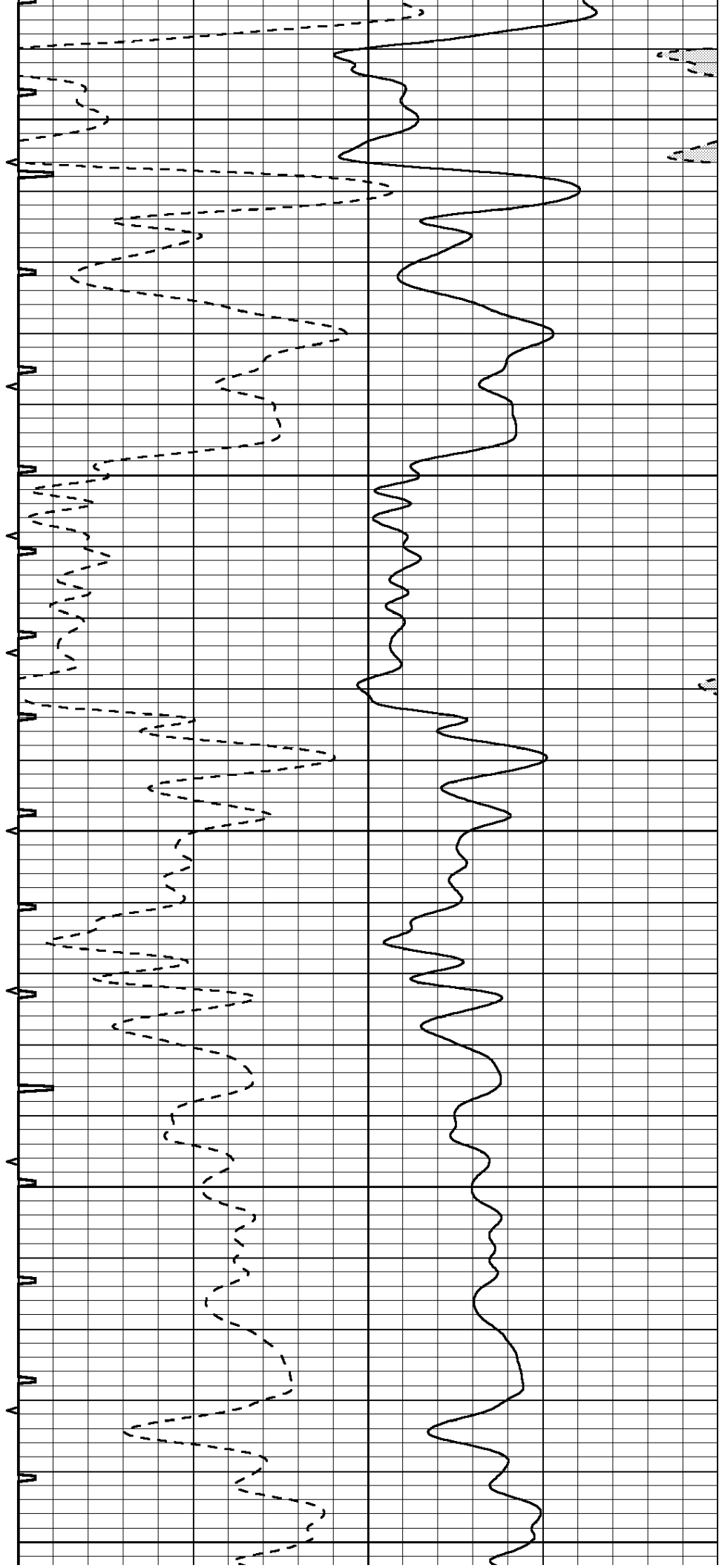
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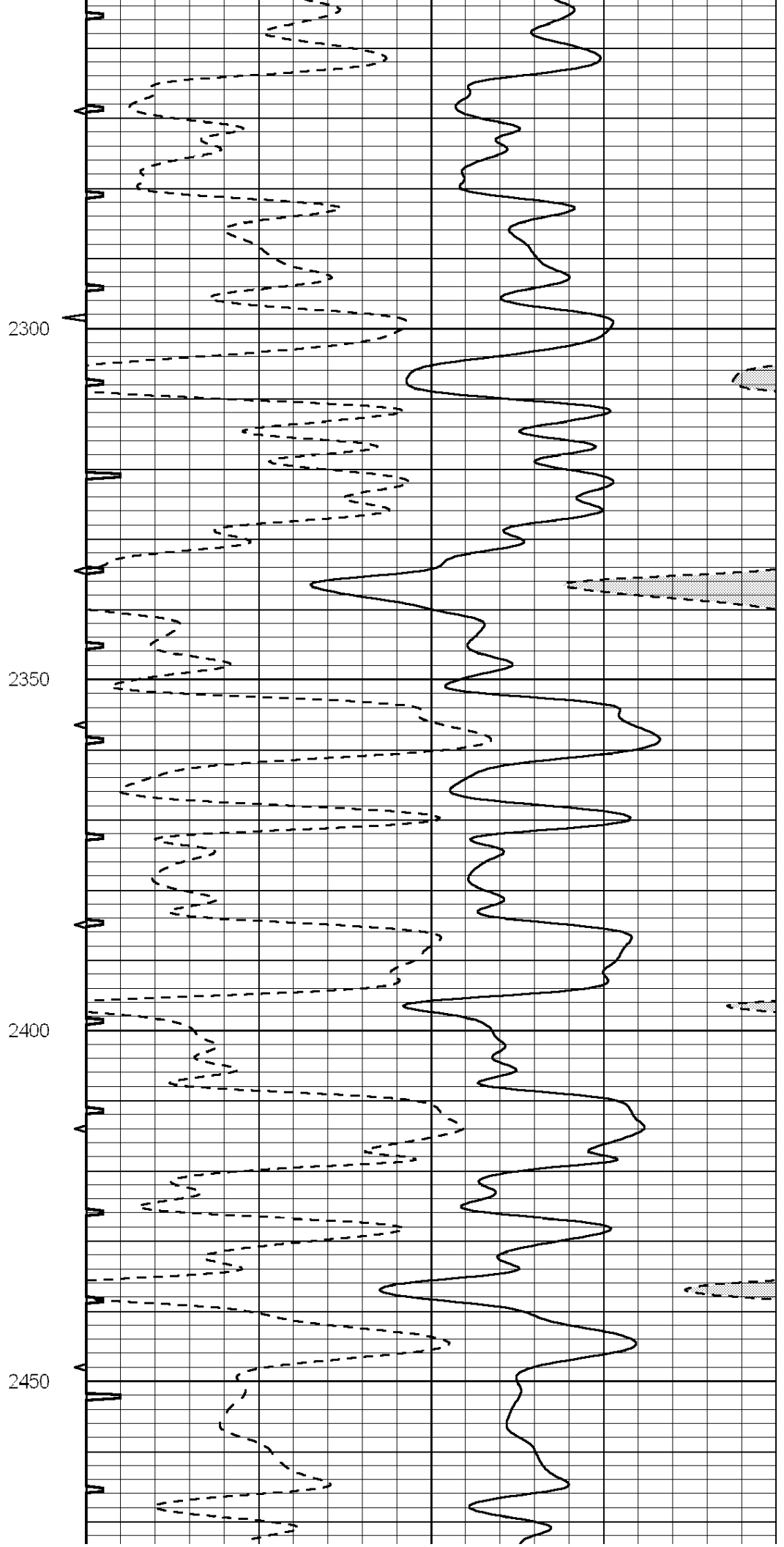
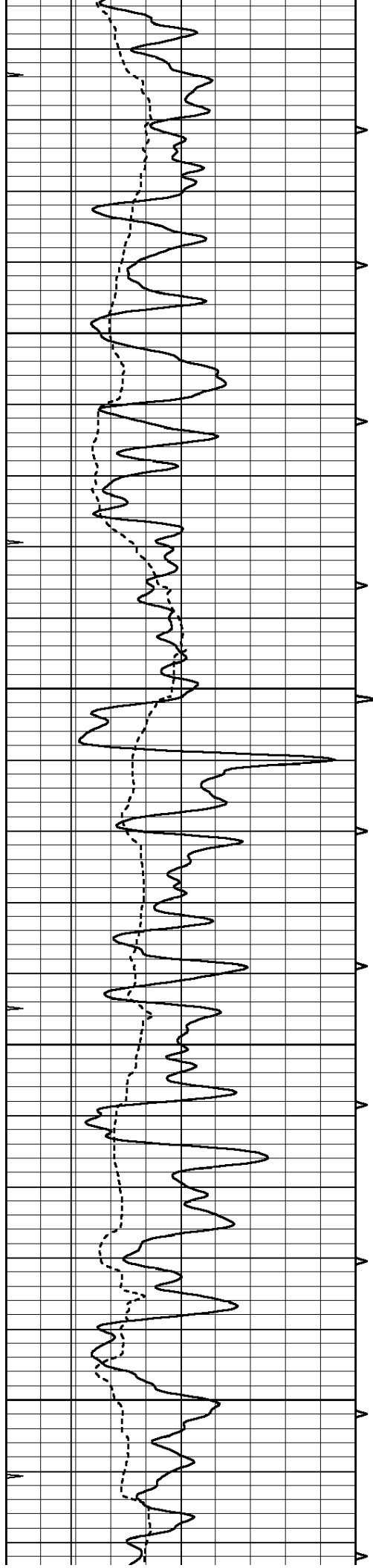
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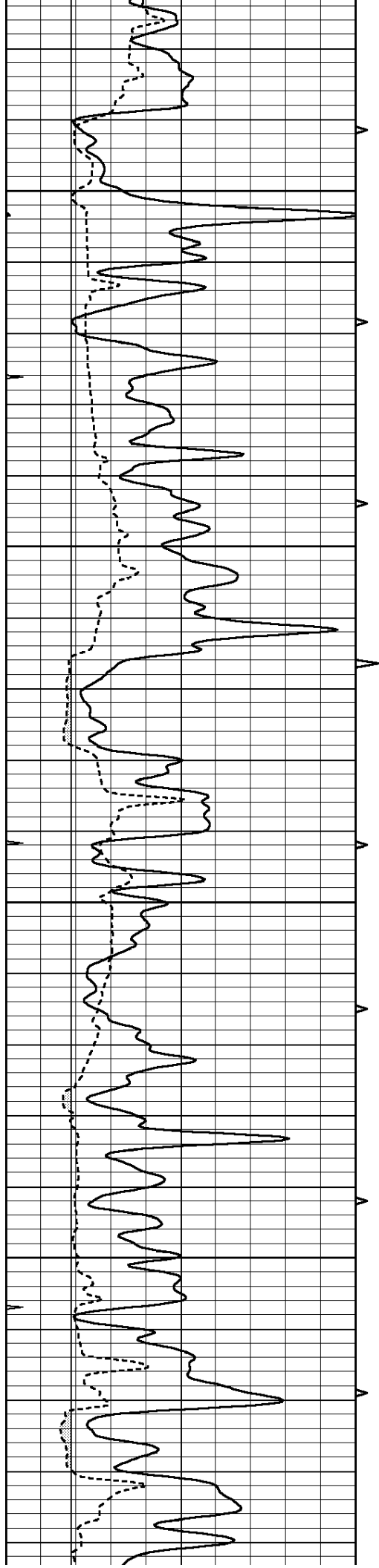
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2200

2250





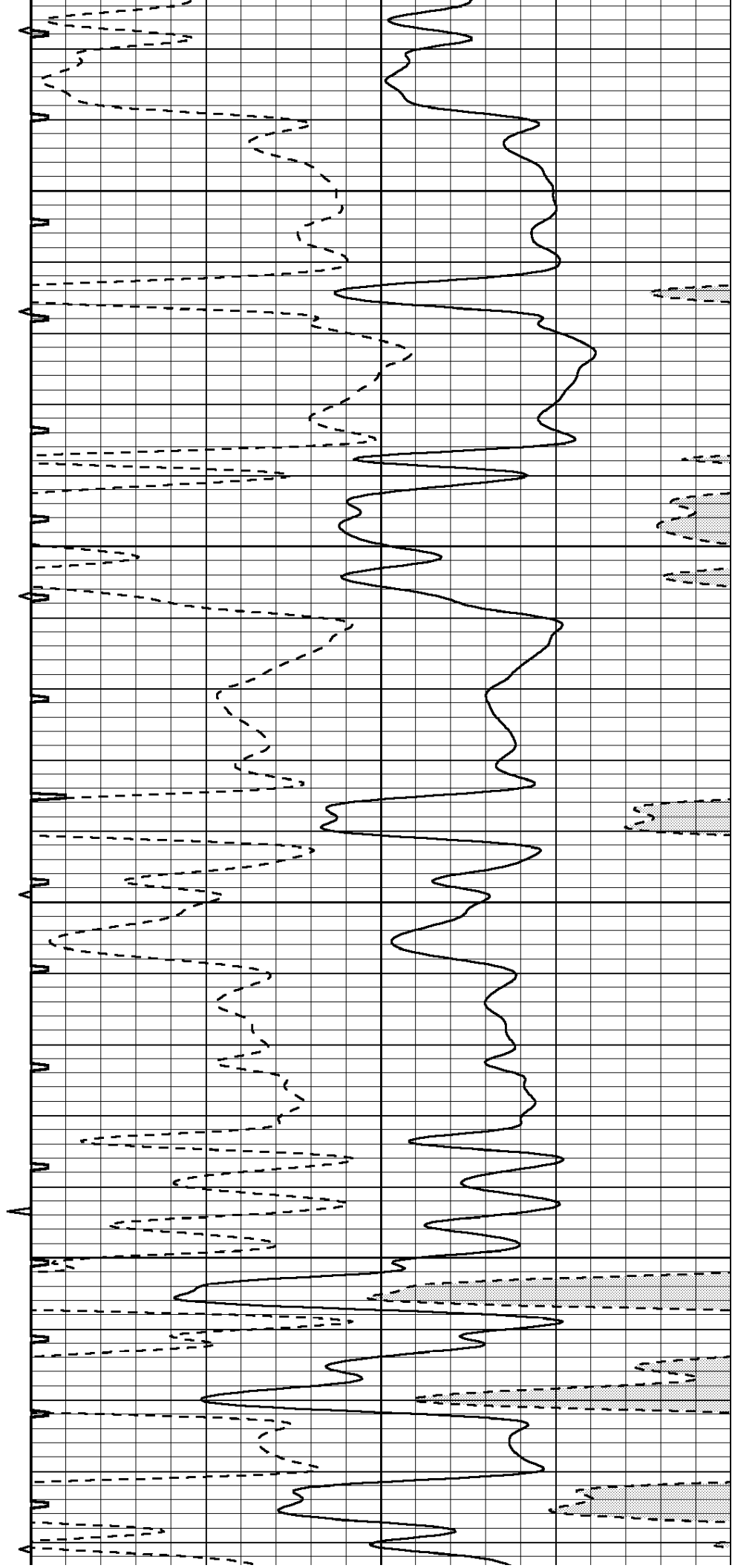


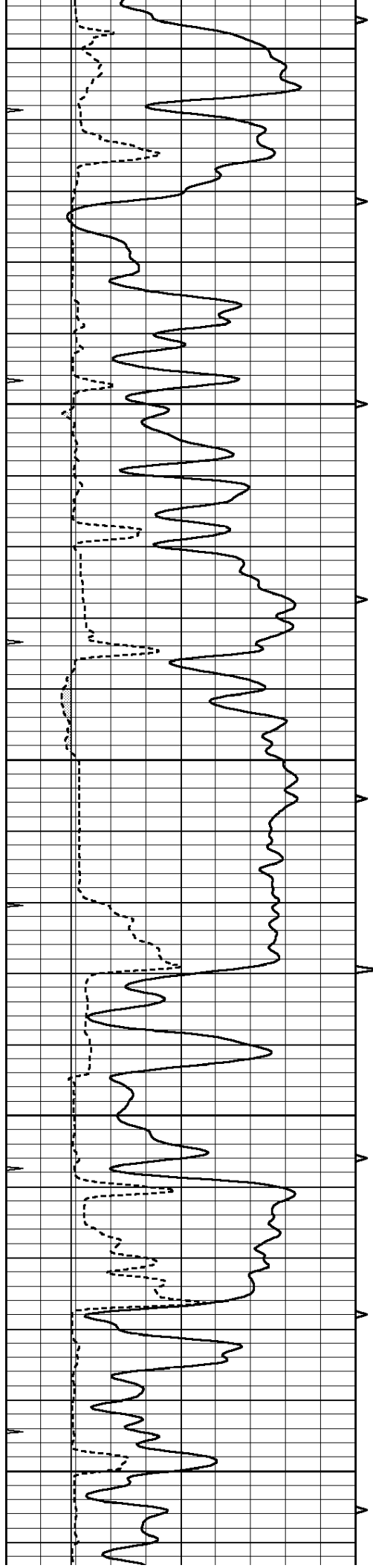
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2600

2650





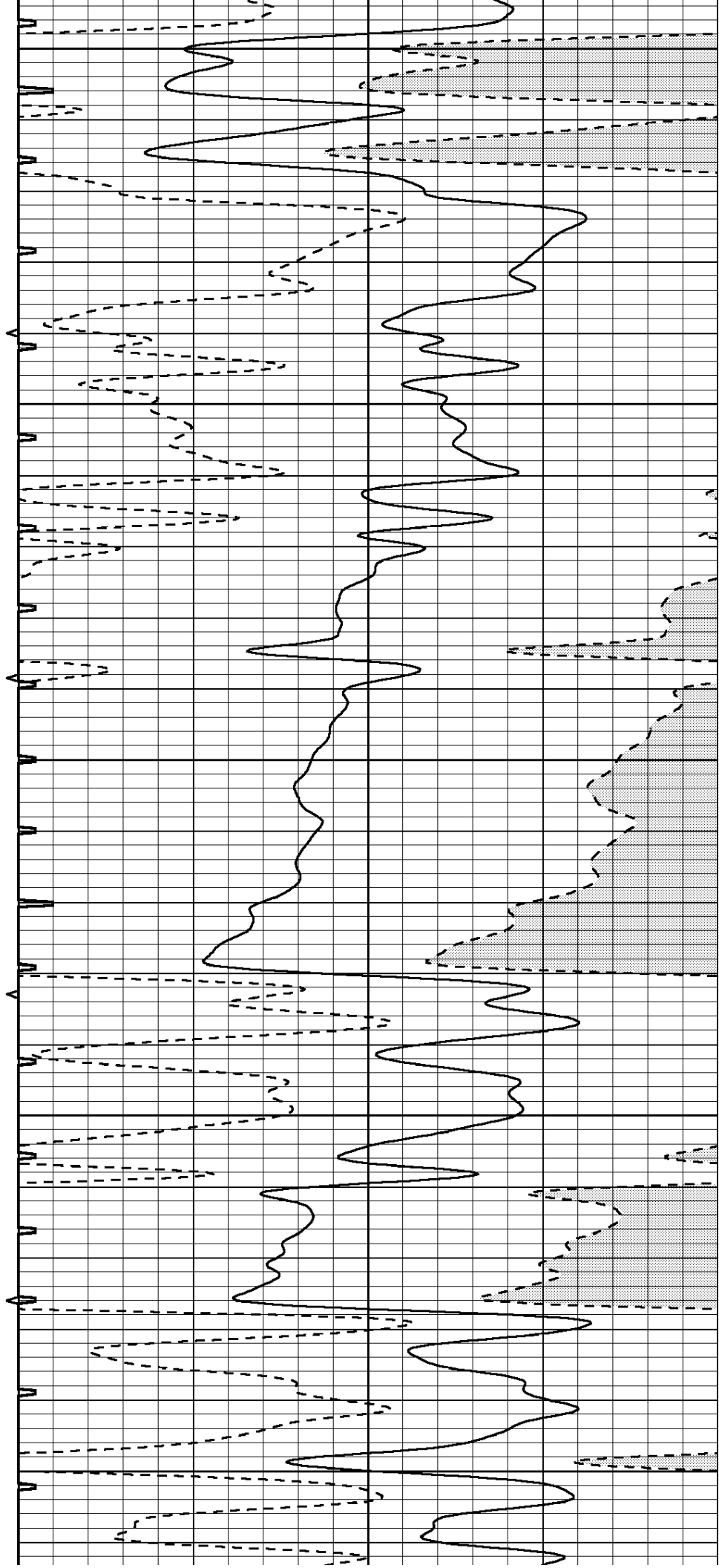
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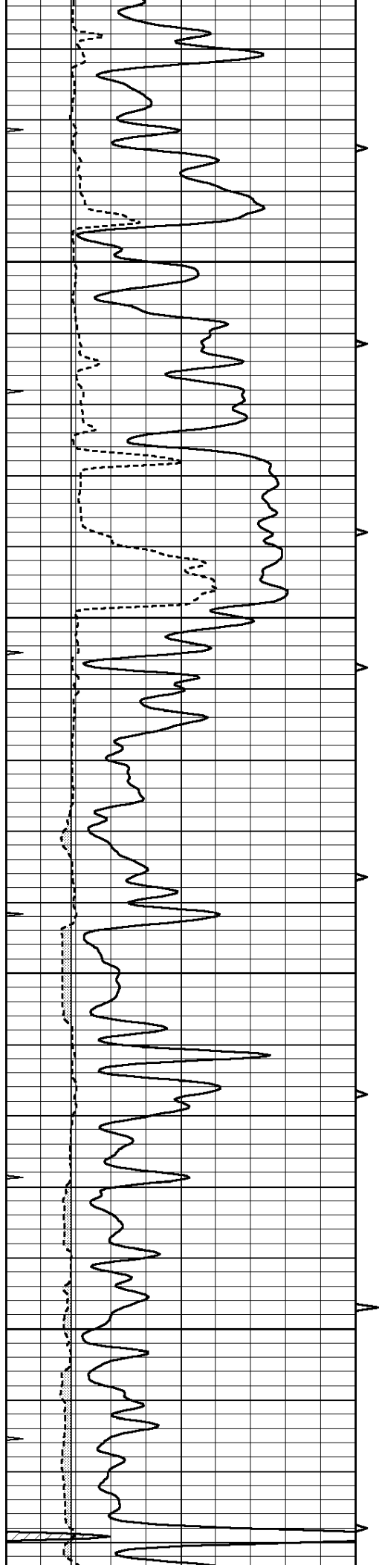
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2900



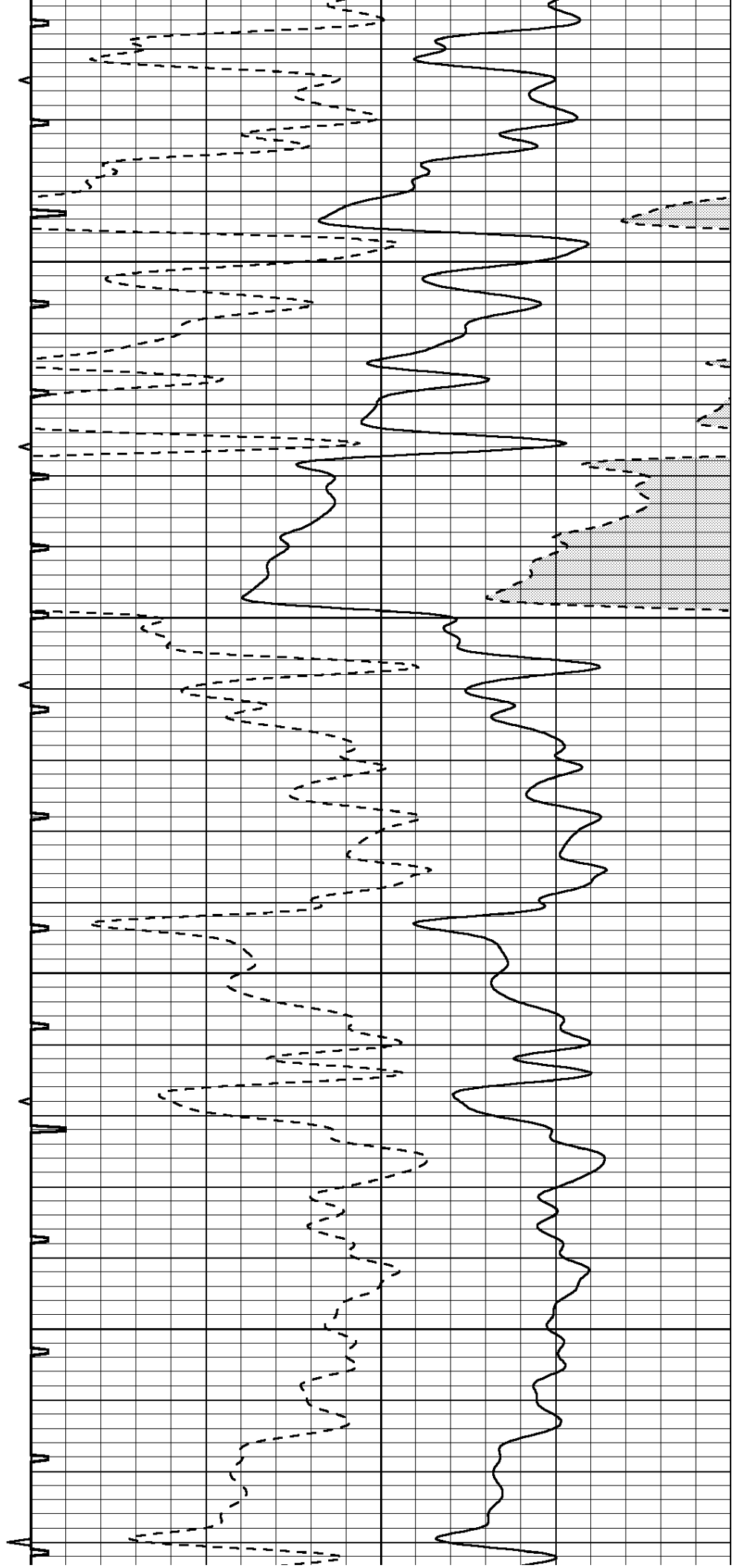


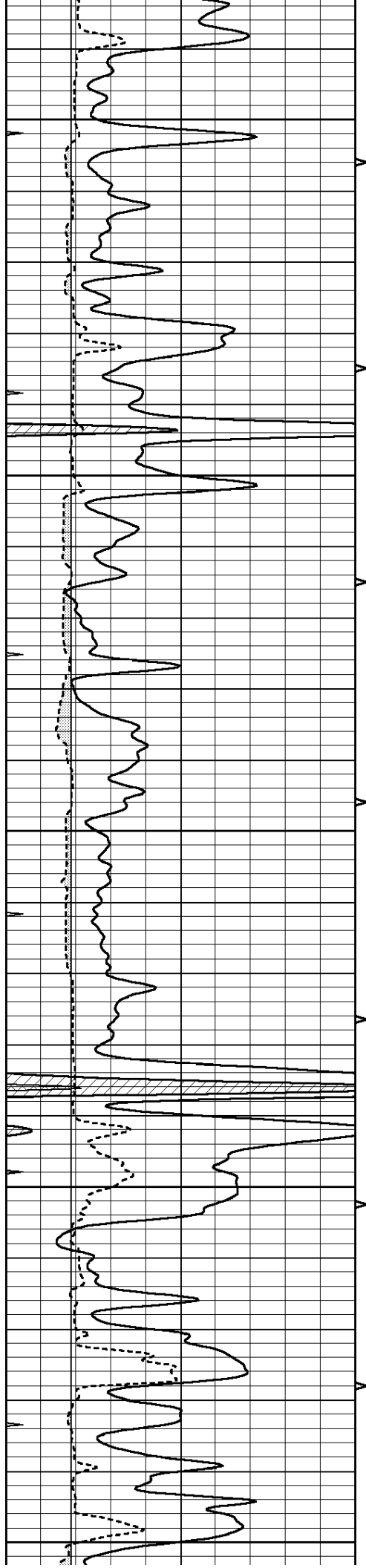
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3050

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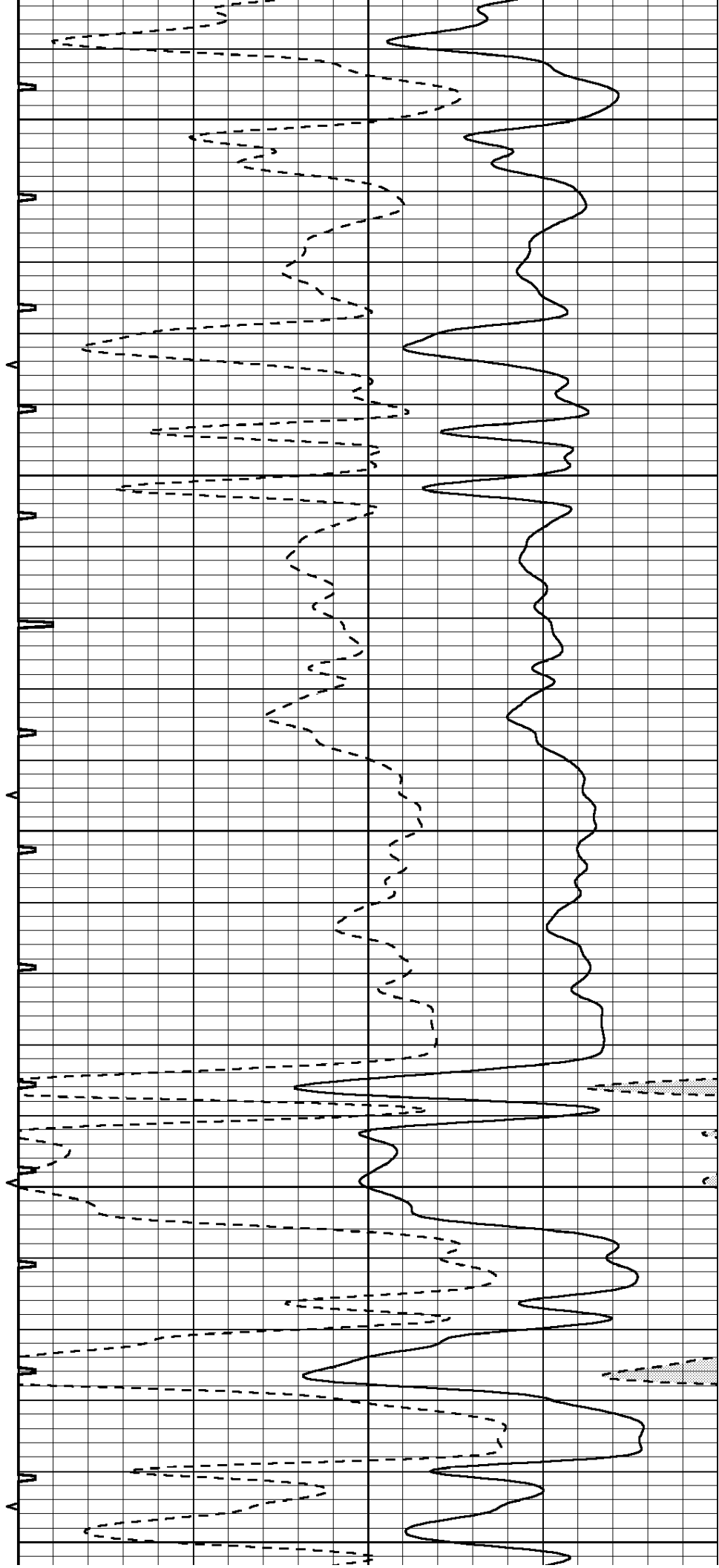
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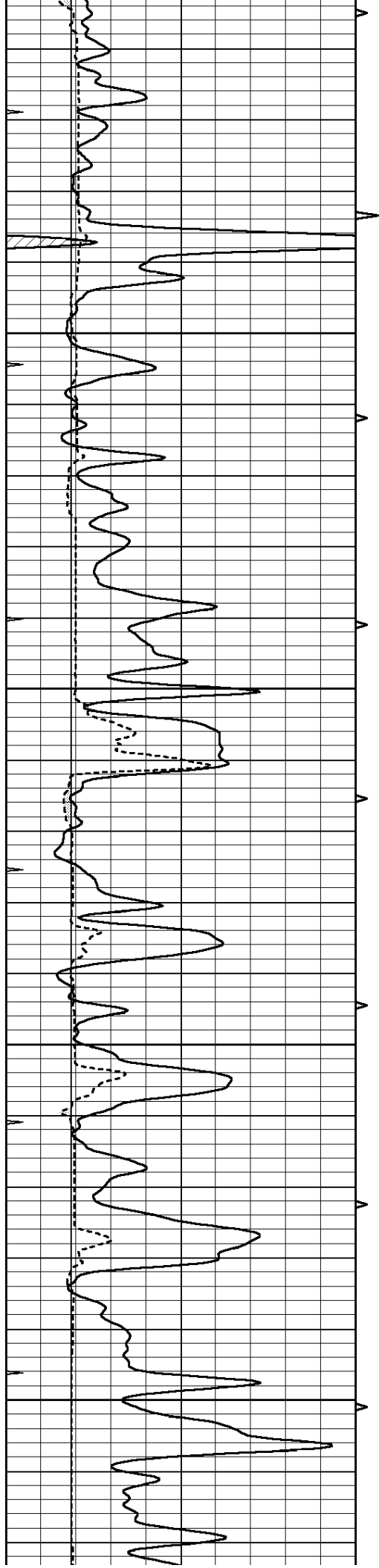
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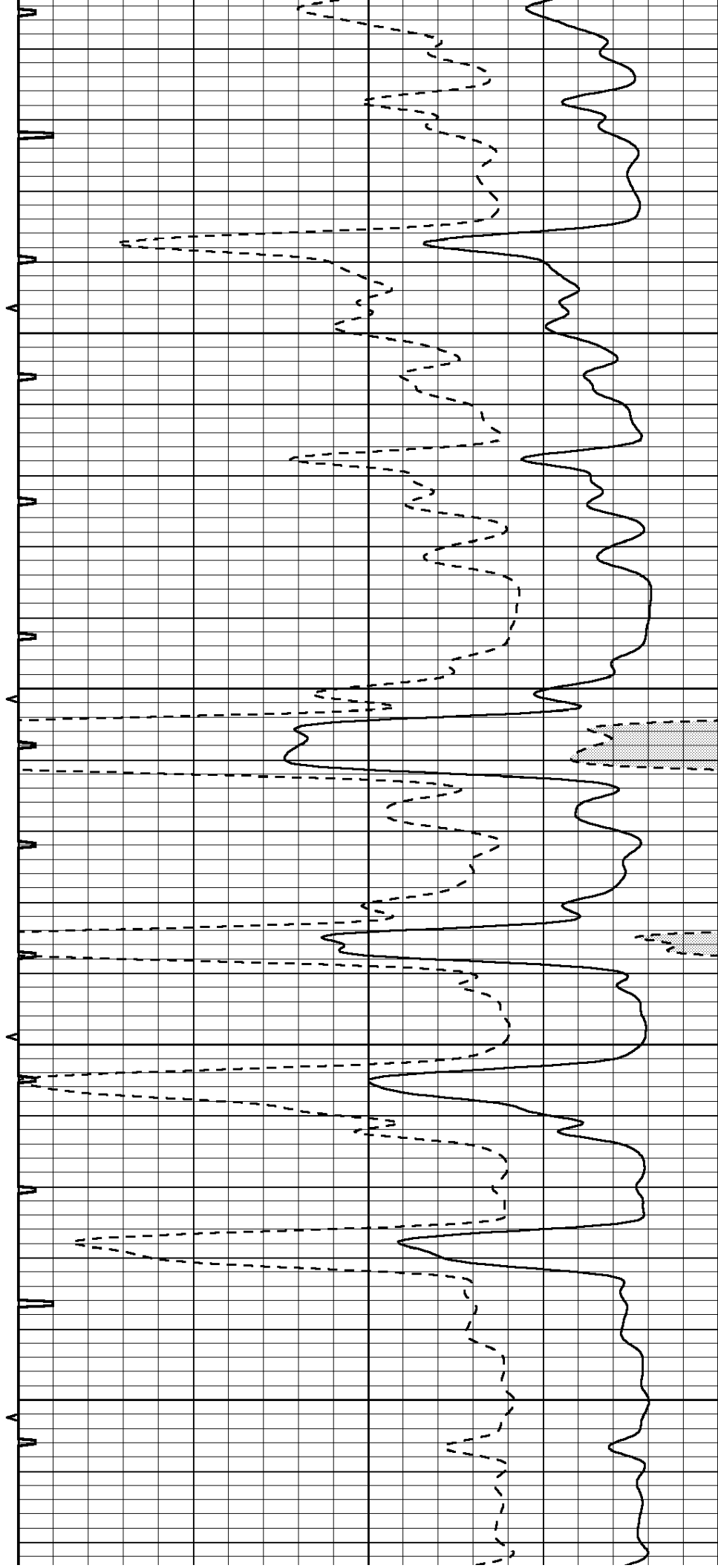


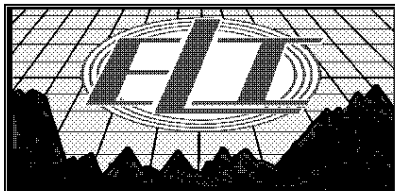
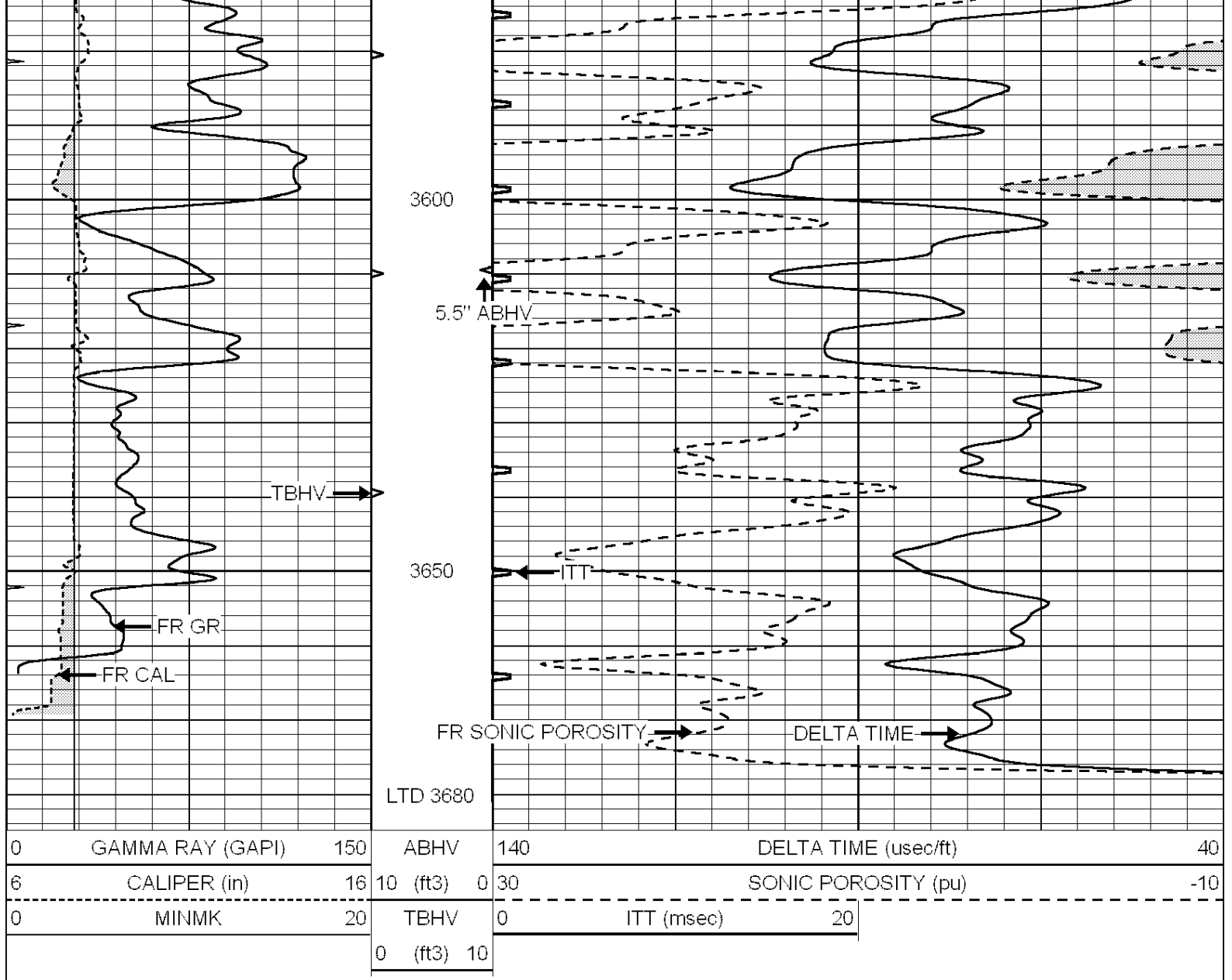
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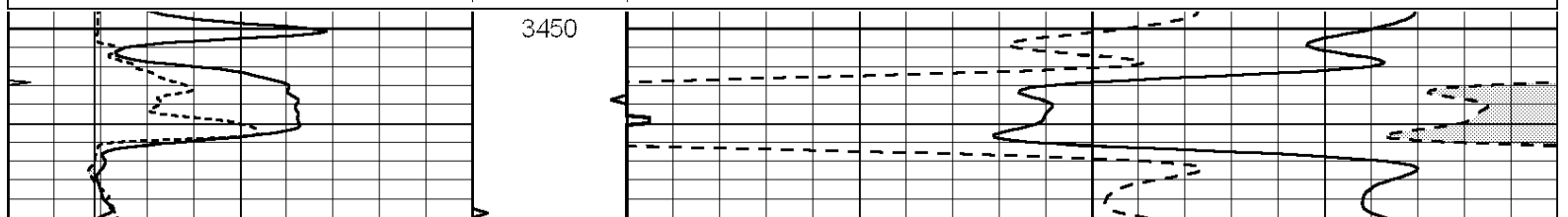
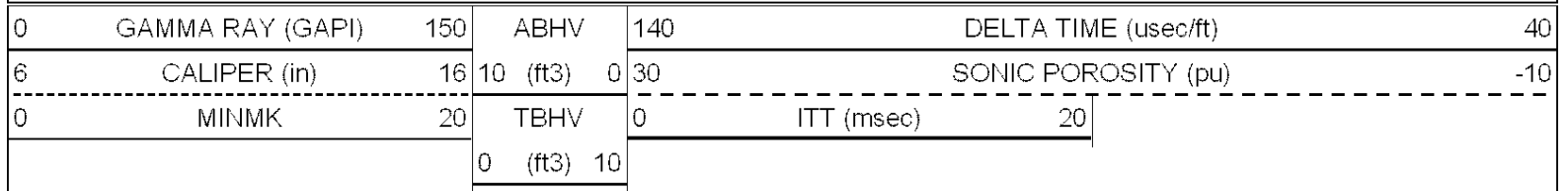
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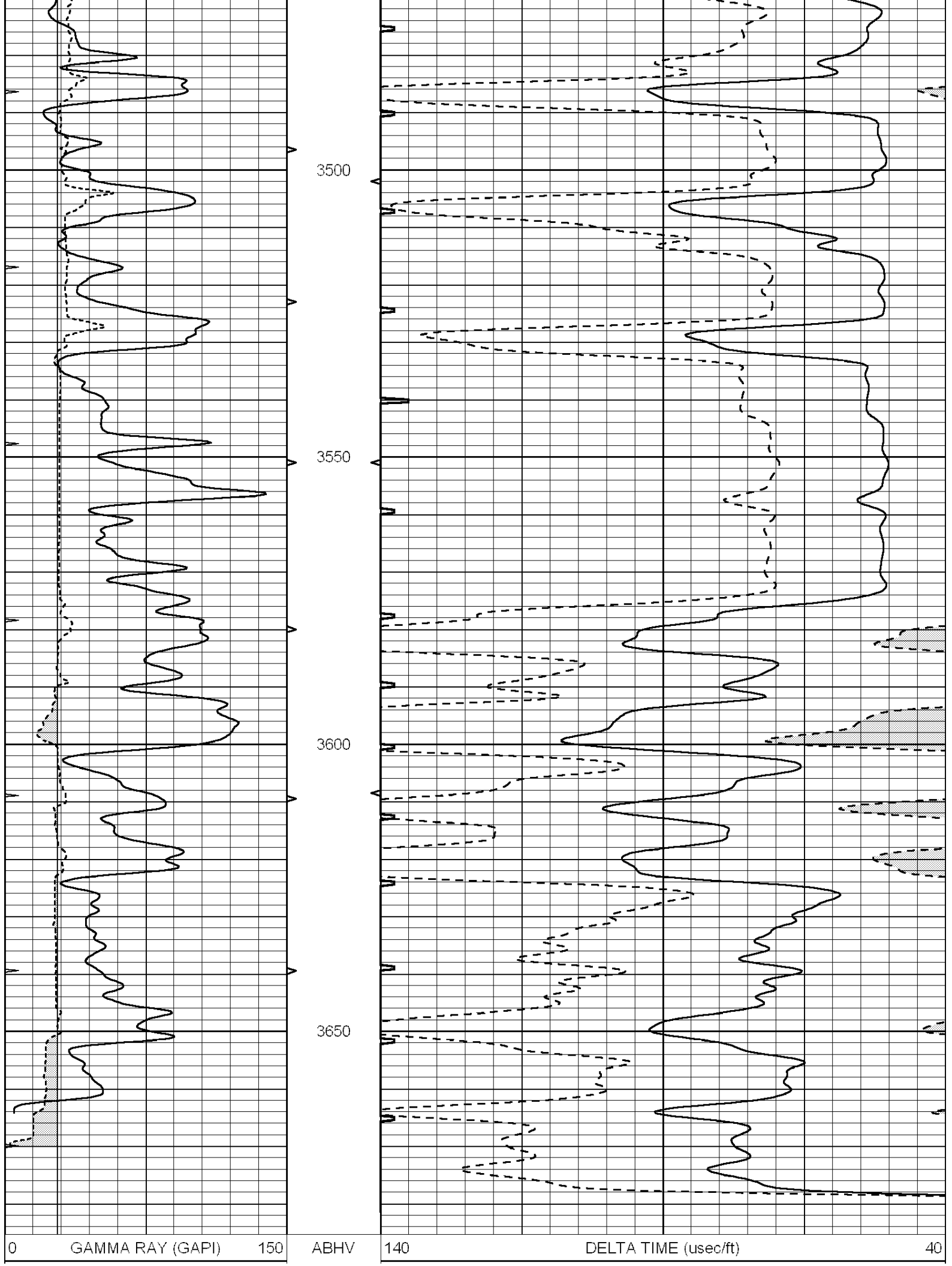




REPEAT SECTION

Database File: 30759ddn.db
 Dataset Pathname: pass5.4
 Presentation Format: slt
 Dataset Creation: Tue Aug 16 10:41:11 2016 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240





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