

MICRO LOG

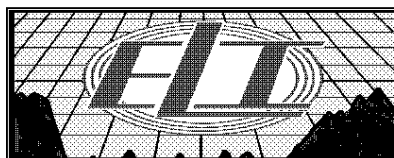
Company	RANEY OIL COMPANY, LLC.		
Well	PRAY #4		
Field	CABIN VALLEY		
County	COWLEY	State	KANSAS
Location:	APL # : 15-035-24702-0000		Other Services CDL/CNL/PE DIL/SONIC
Permanent Datum	GROUND LEVEL		Elevation 1259
Log Measured From	351' FSL & 2458' FVL SE - SE - SW/4		
Drilling Measured From	SEC 31 TWP 33S RGE 6E KELLY BUSHING 13' A.G.L.		Elevation K.B. 1272 D.F. 1270 G.L. 1259
Date	4/16/19		
Run Number	TWO		
Depth Driller	3556		
Depth Logger	3558		
Bottom Logged Interval	3542		
Top Log Interval	1800		
Casing Driller	8 5/8"@307'		
Casing Logger	312		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1,600 PPM	
Density / Viscosity	9.3/49		
pH / Fluid Loss	11.0/7.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	1.10@80F		
Rmf @ Meas. Temp	.825@80F		
Rmc @ Meas. Temp	1.32@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.786@112F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	3:15 A.M.		
Maximum Recorded Temperature	112F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	ROGER MARTIN		

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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

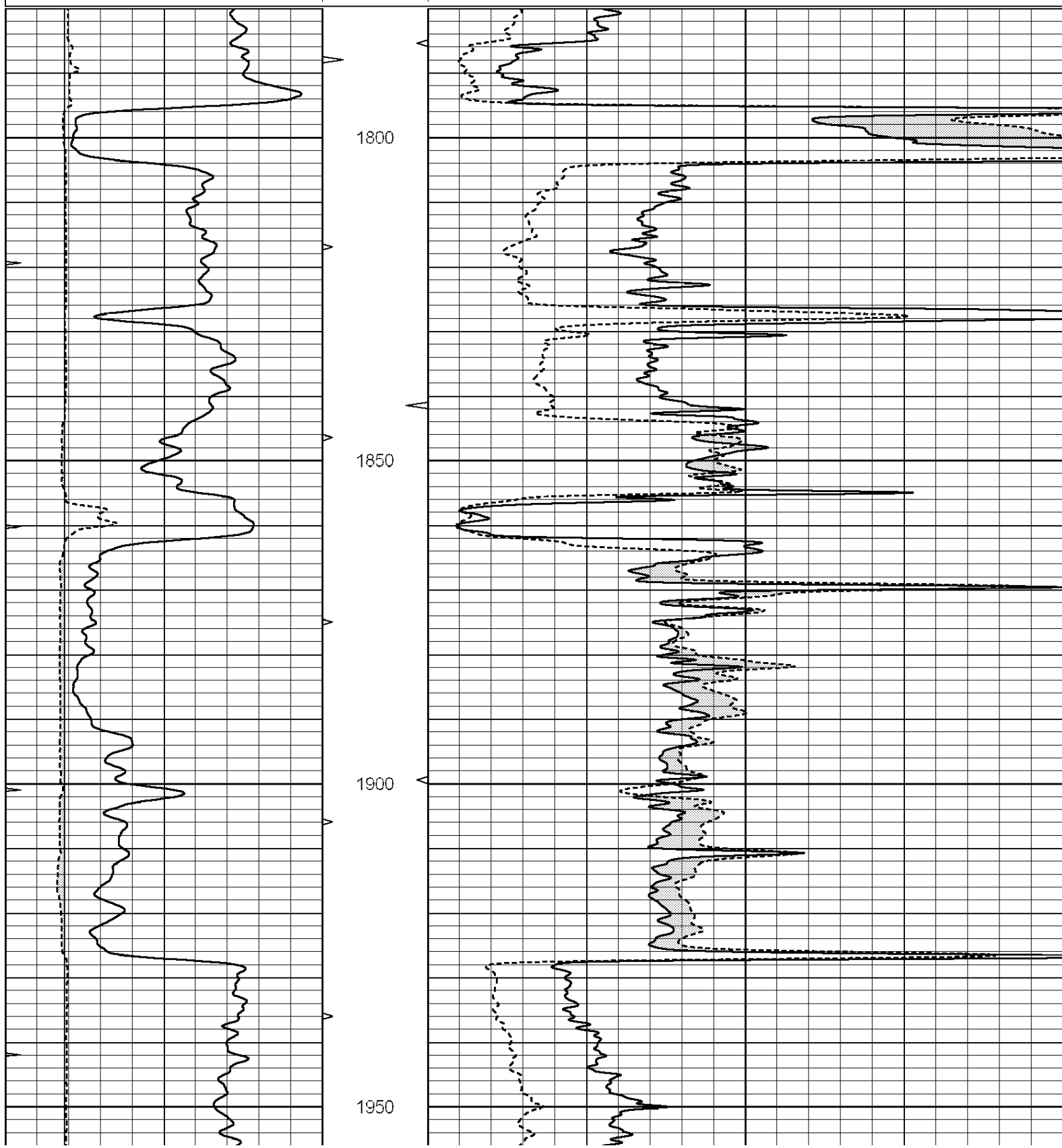
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
WINFIELD, KS., E. ON HWY 160 TO "COWLEY CR #1", 5S. TO "RD. 212", 3E. TO " 181ST.", 3S. FOLLOW
CURVES E. & S. TO GATE

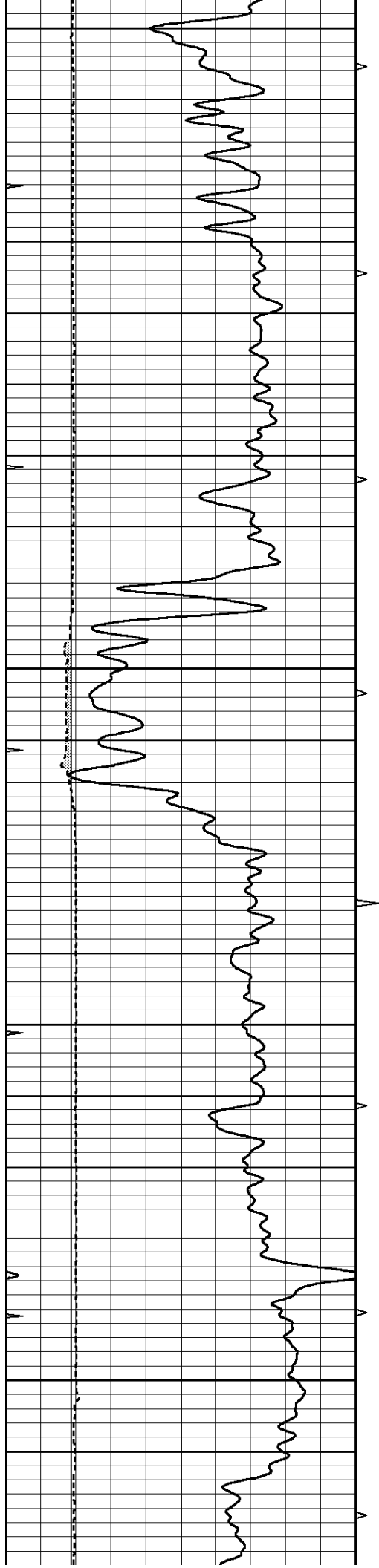


MAIN SECTION

Database File: 3612pe.db
 Dataset Pathname: pass6.2
 Presentation Format: micro
 Dataset Creation: Wed Apr 17 03:39:47 2019 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



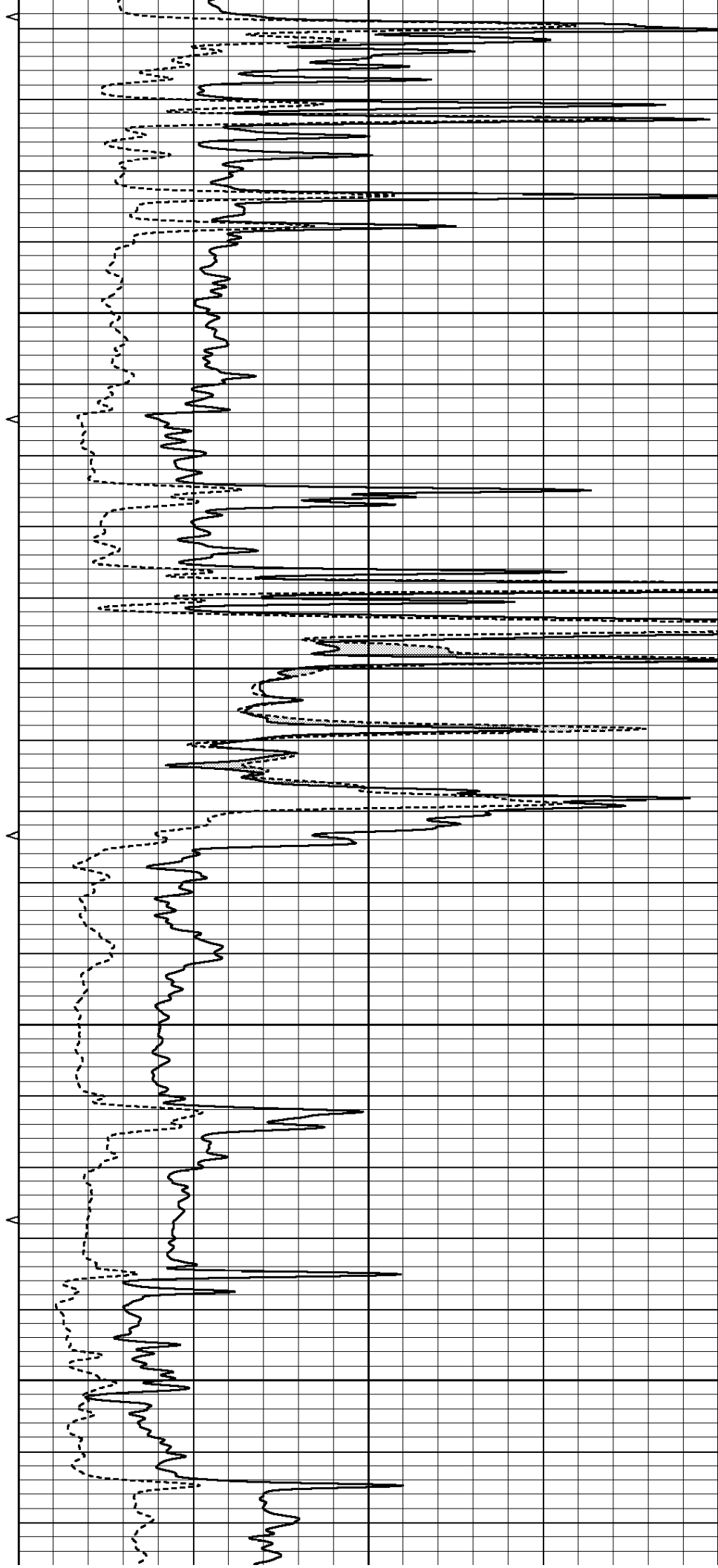


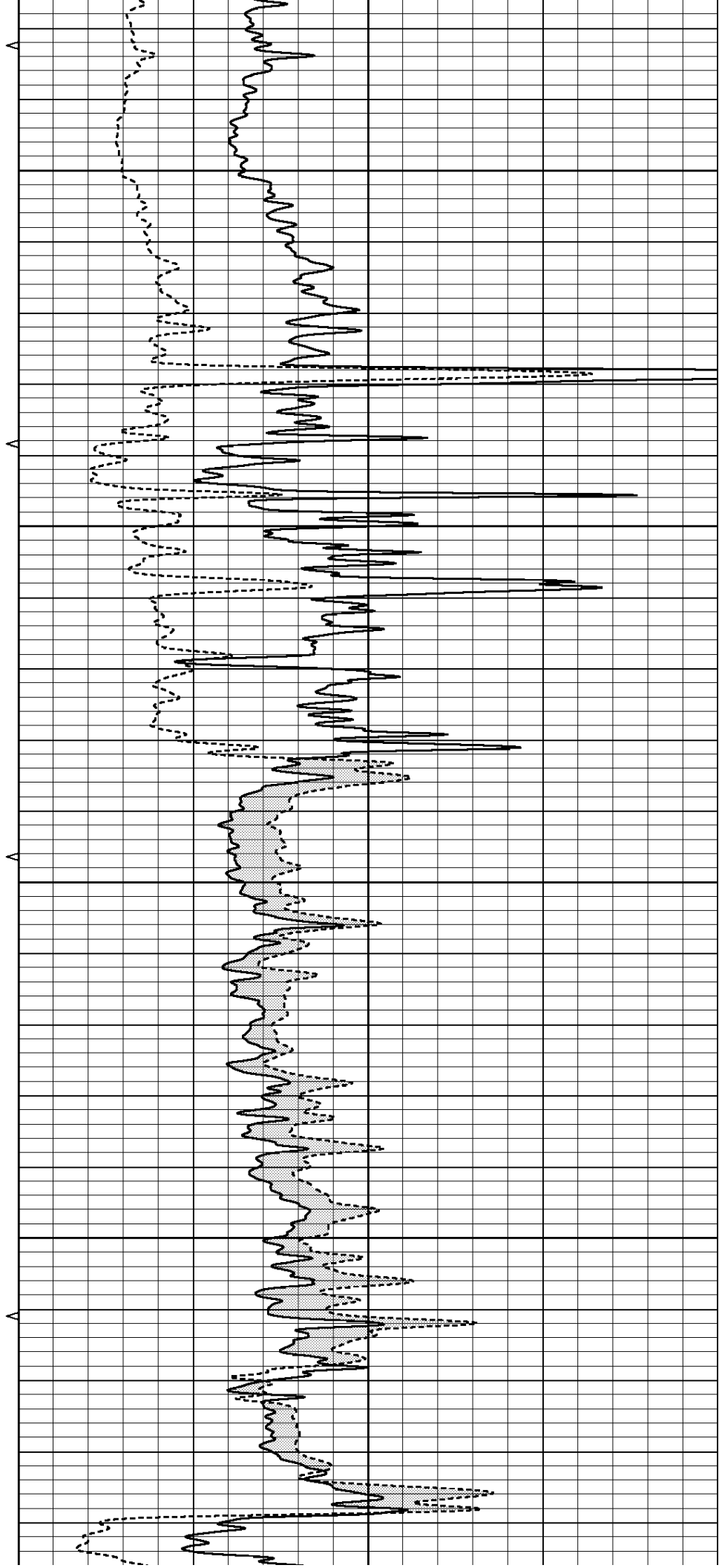
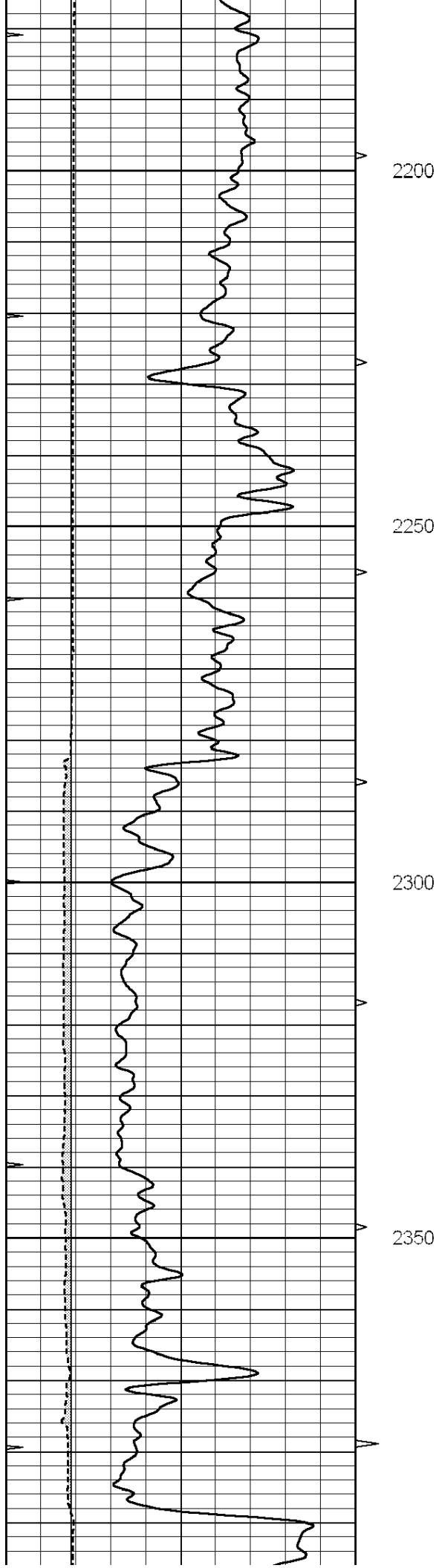
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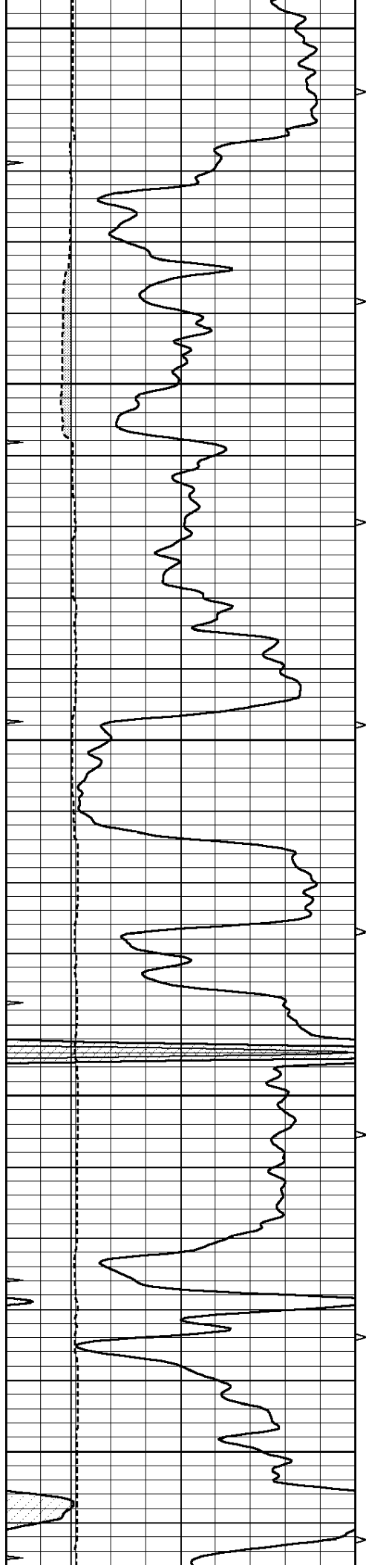
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2100

2150







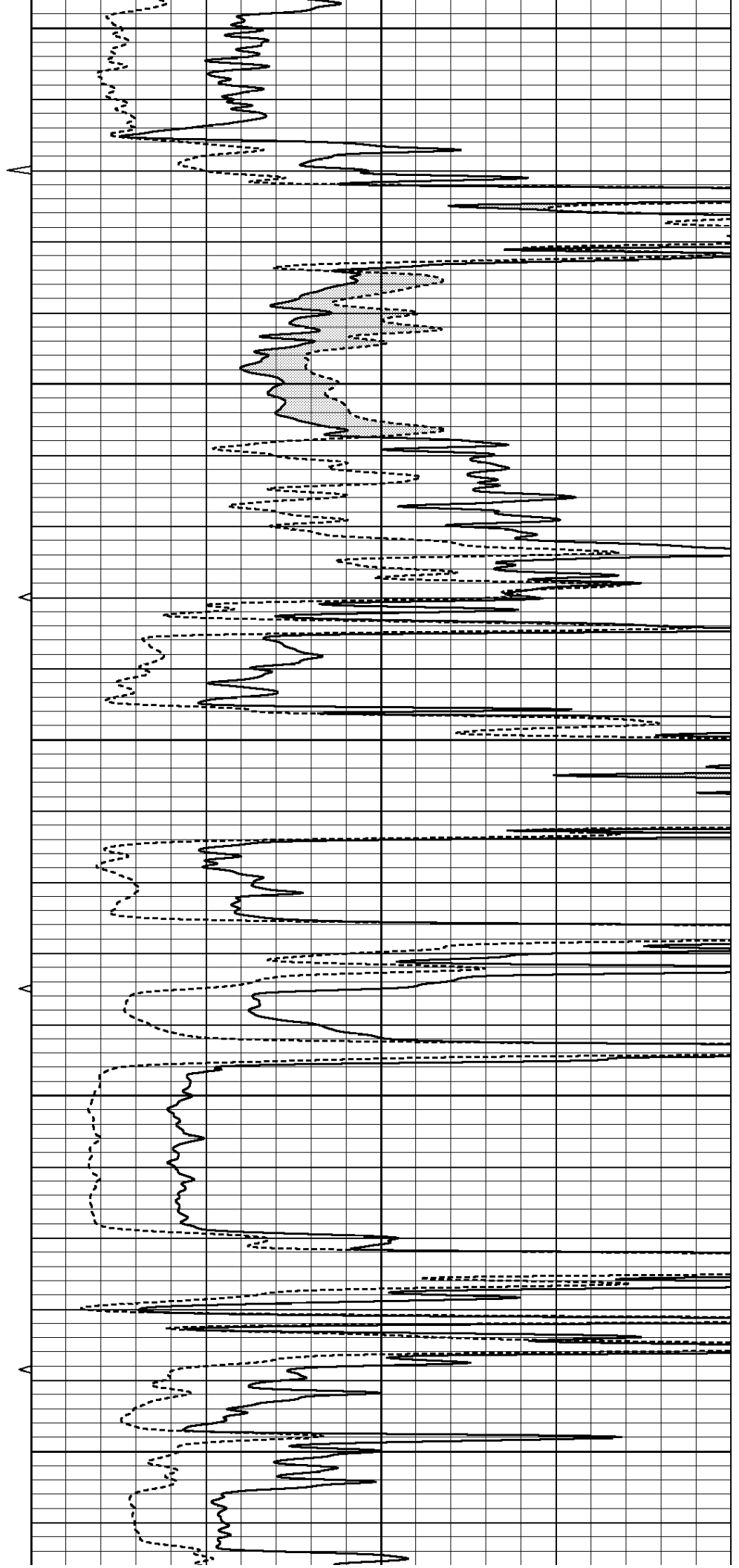
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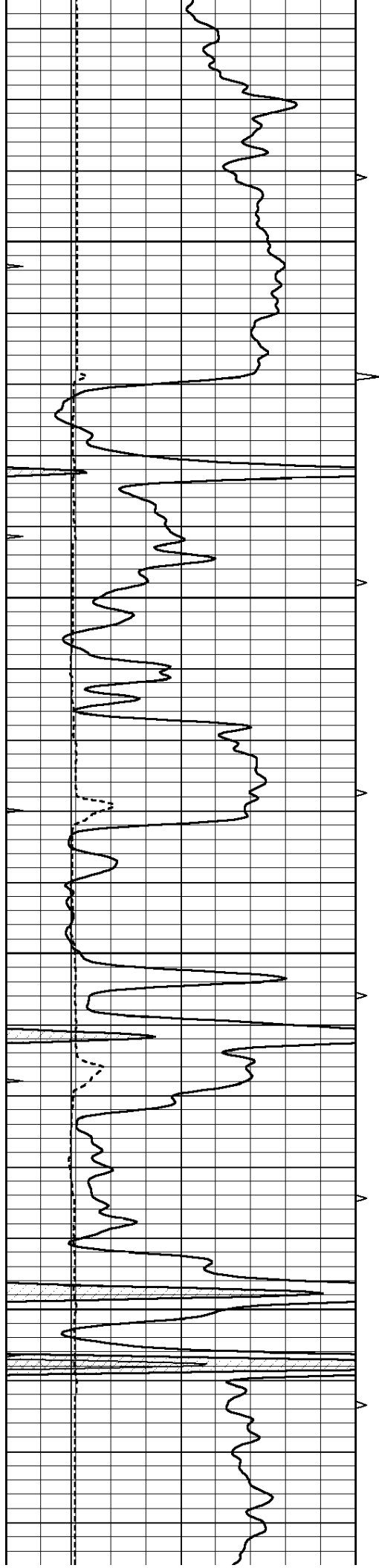
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2500

2550

2600



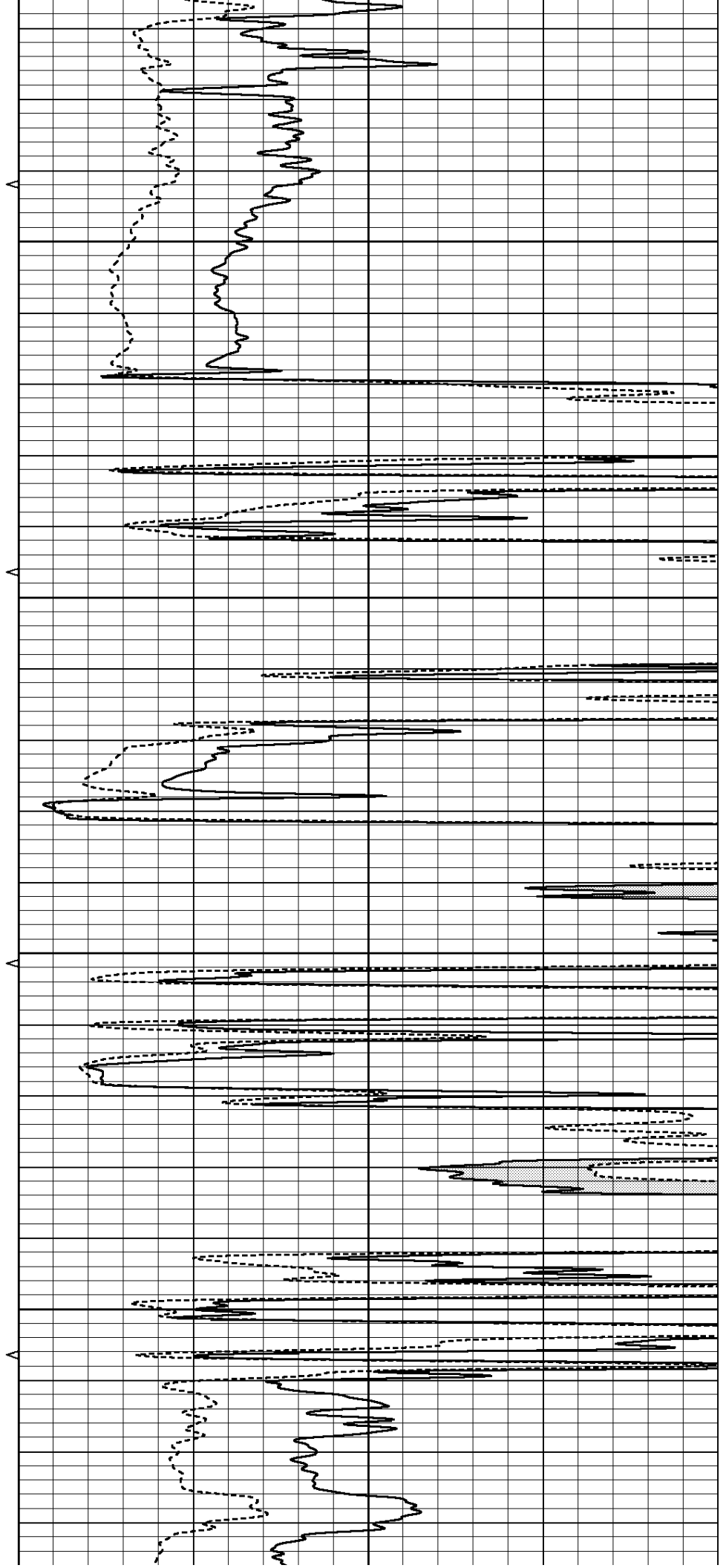


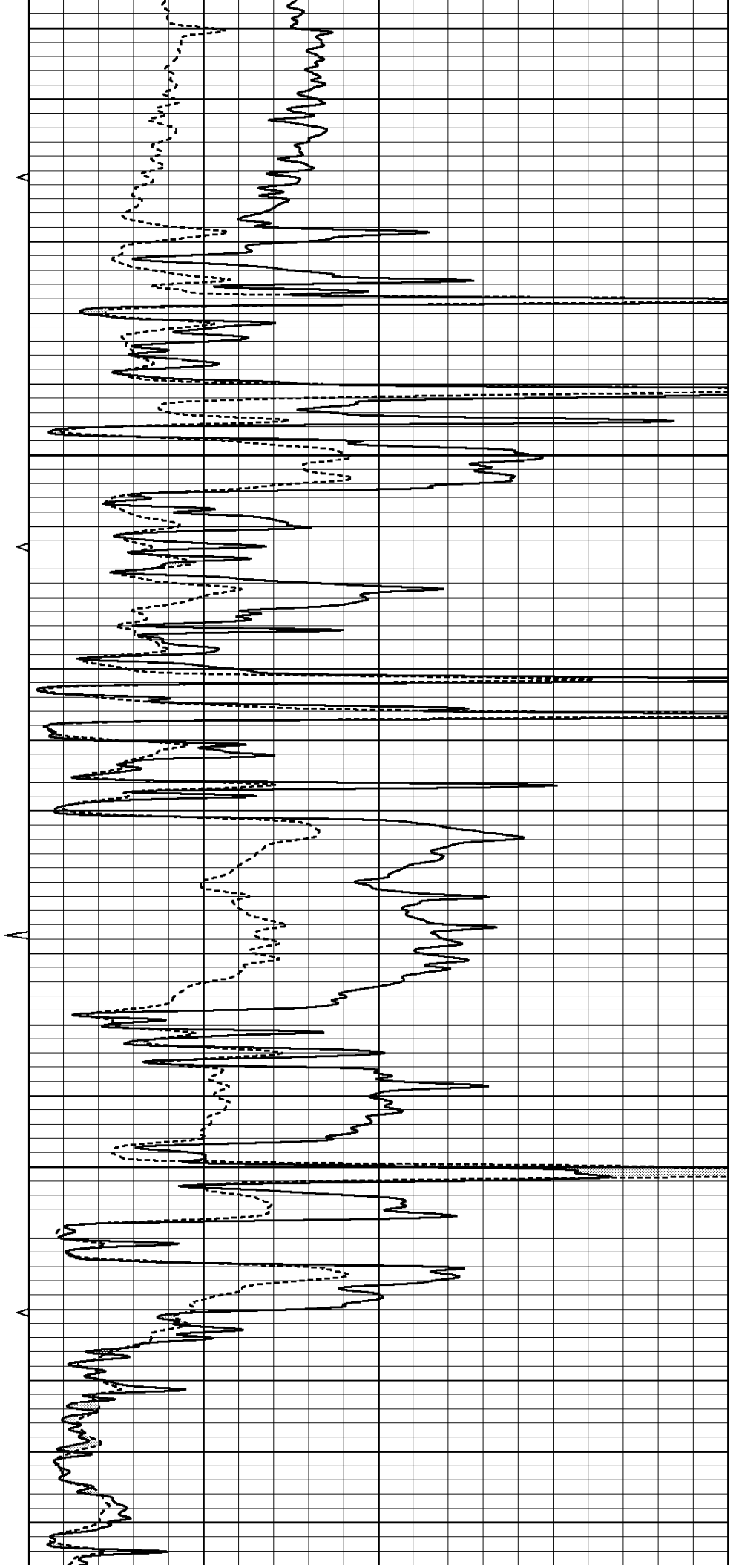
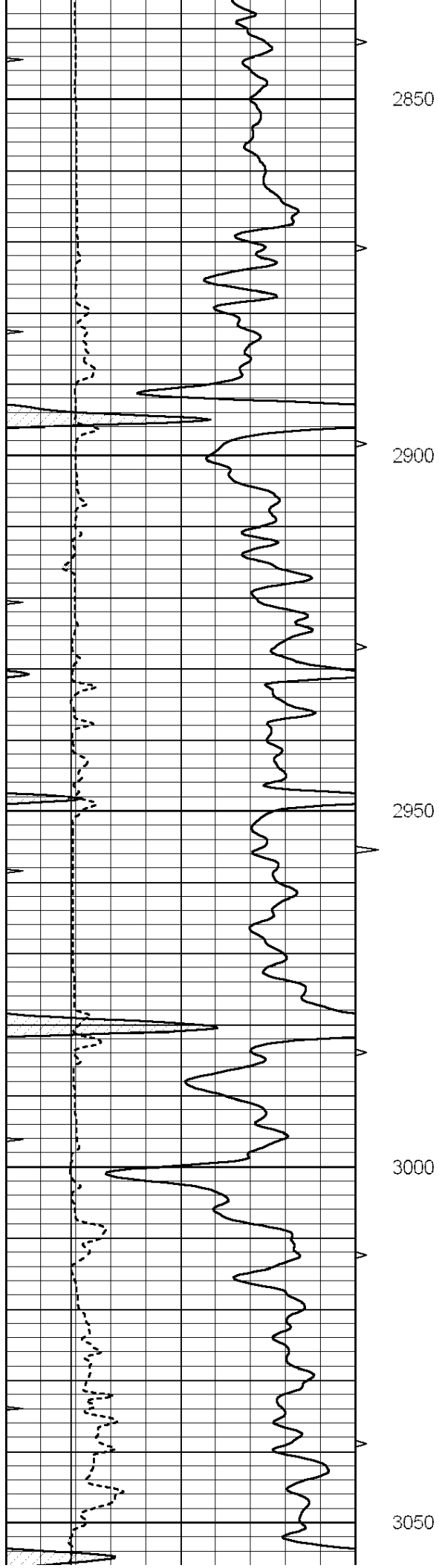
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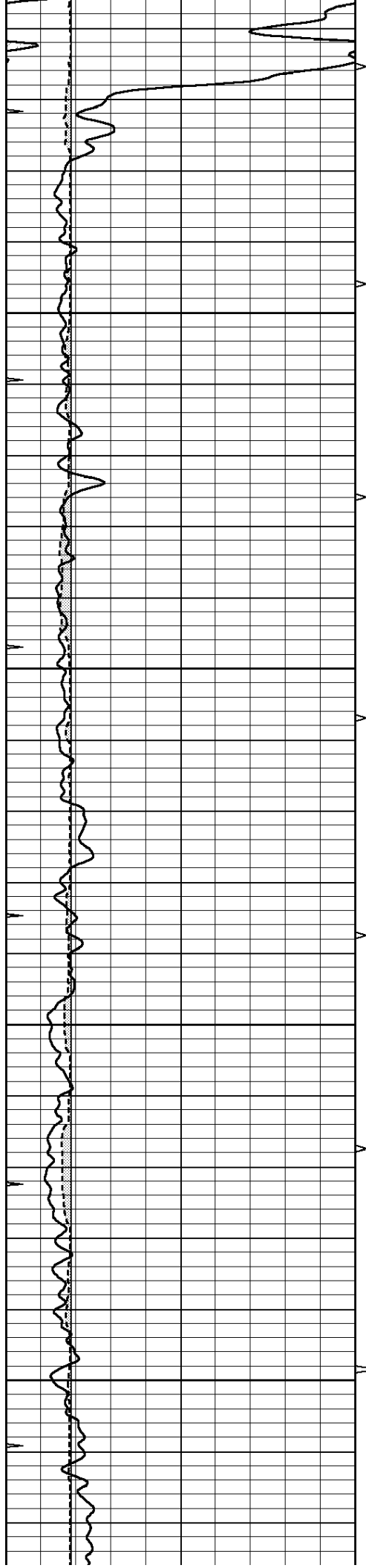
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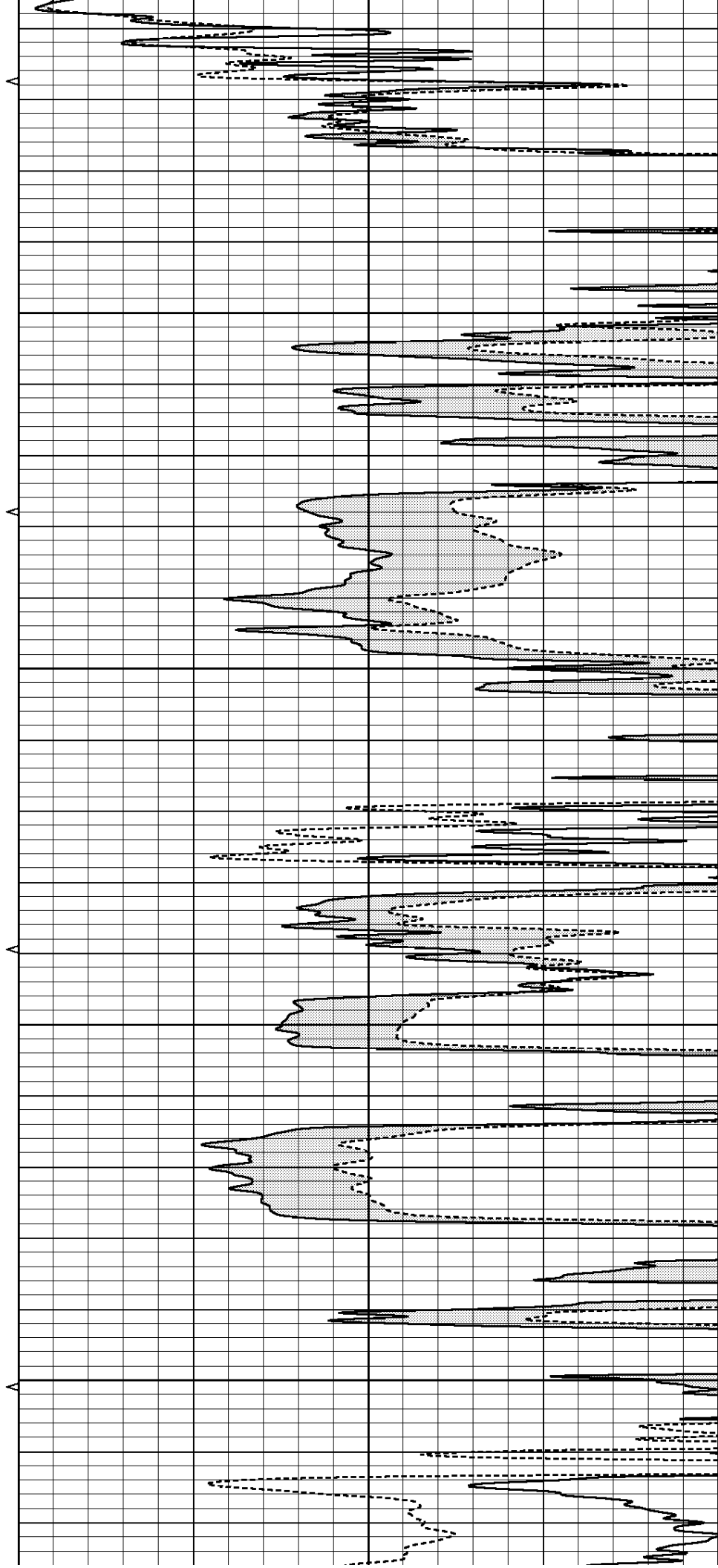


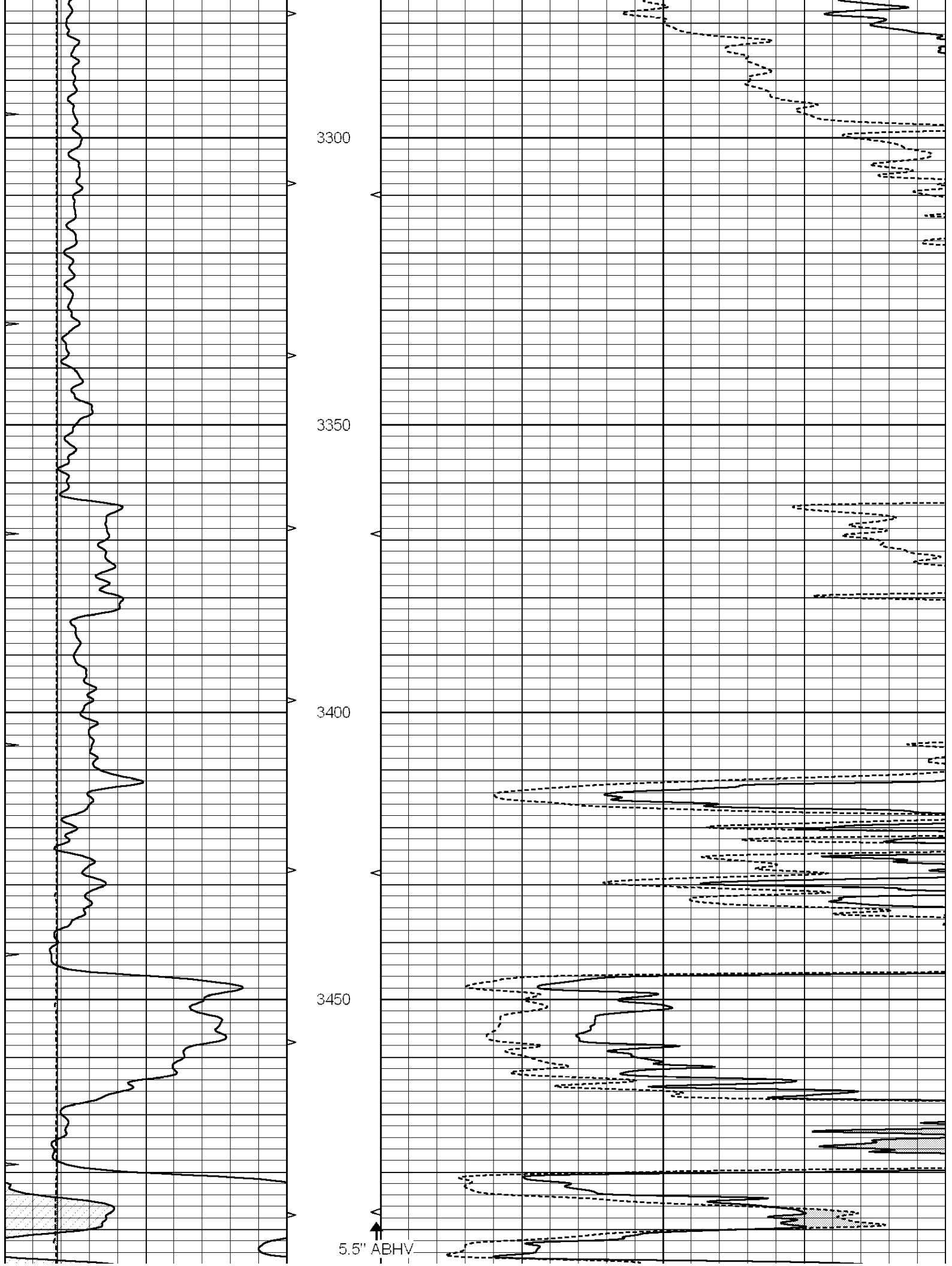
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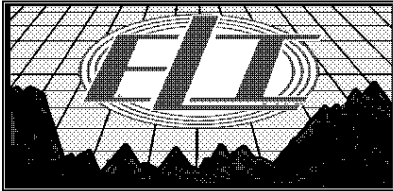
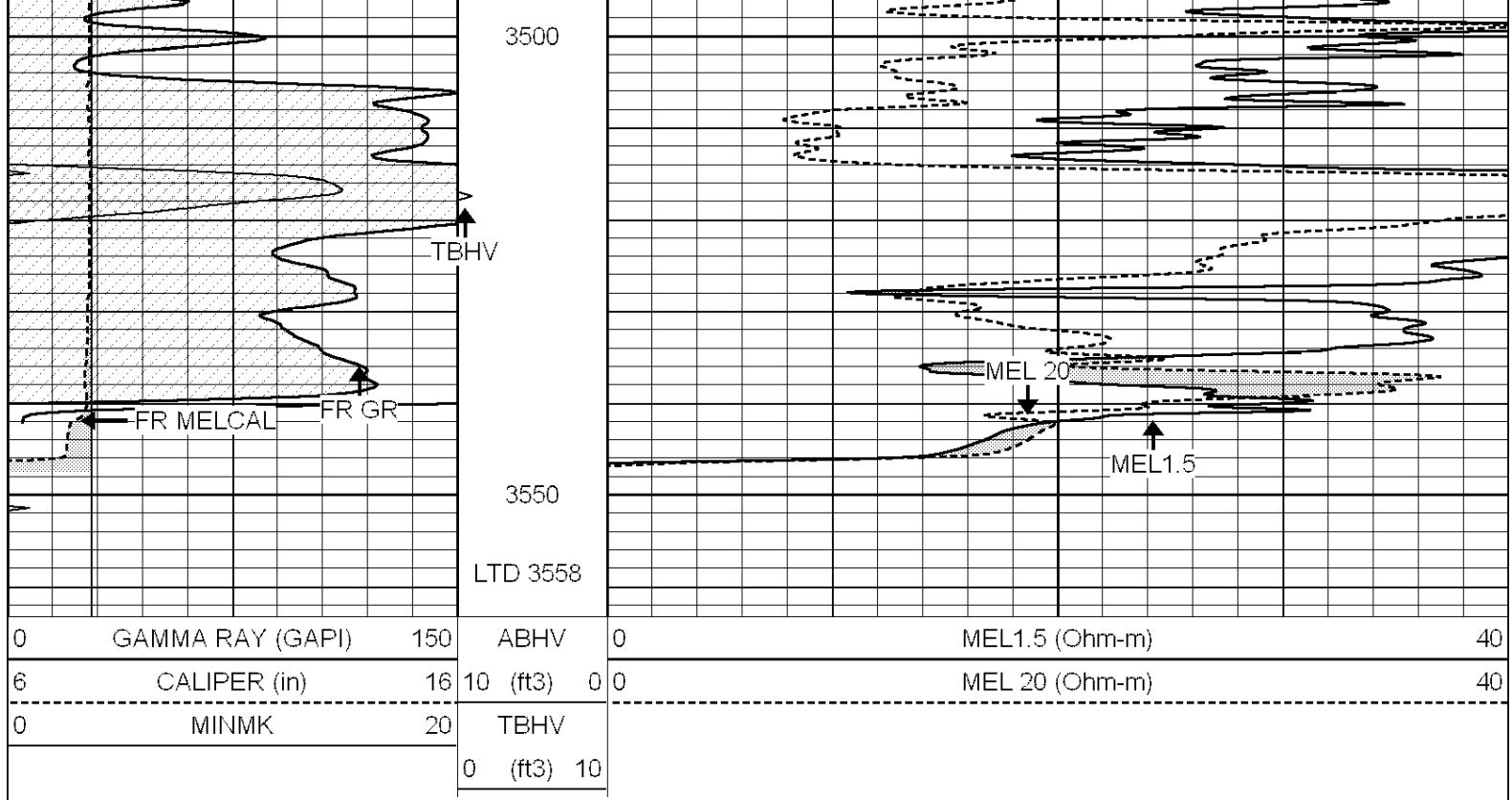
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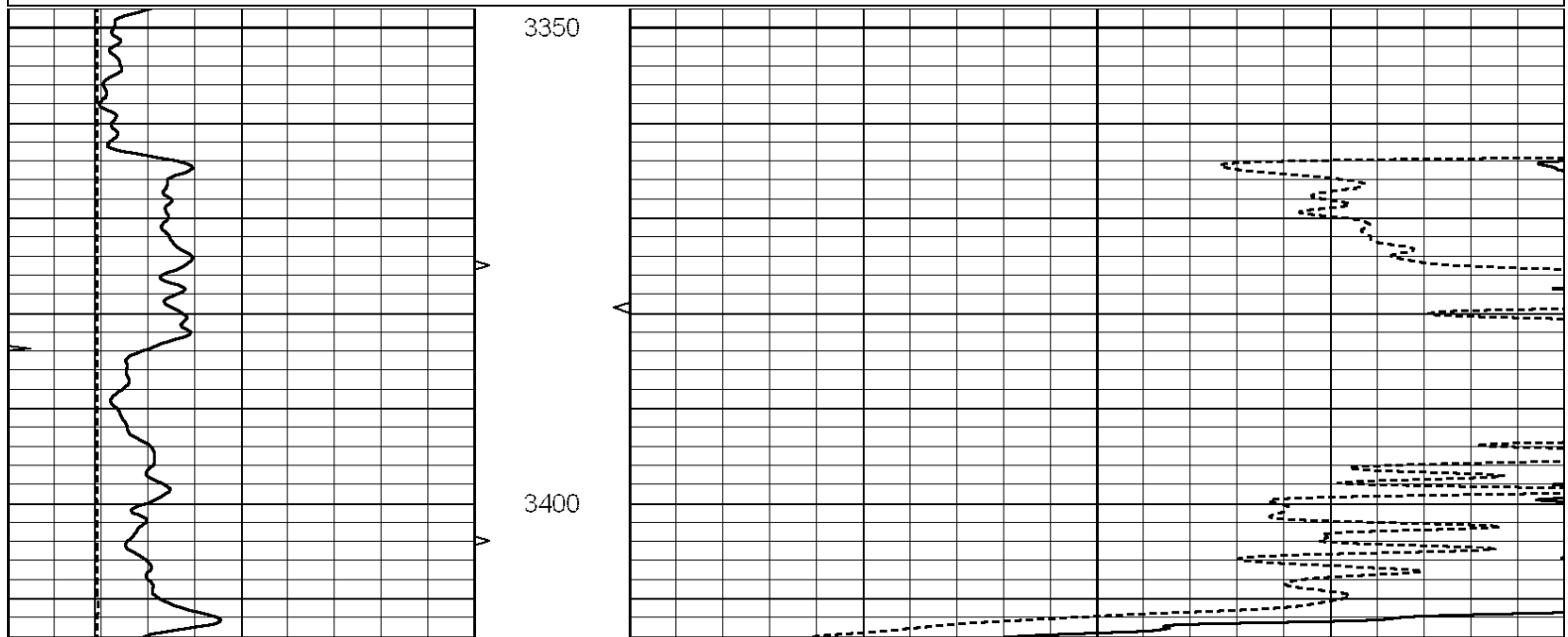


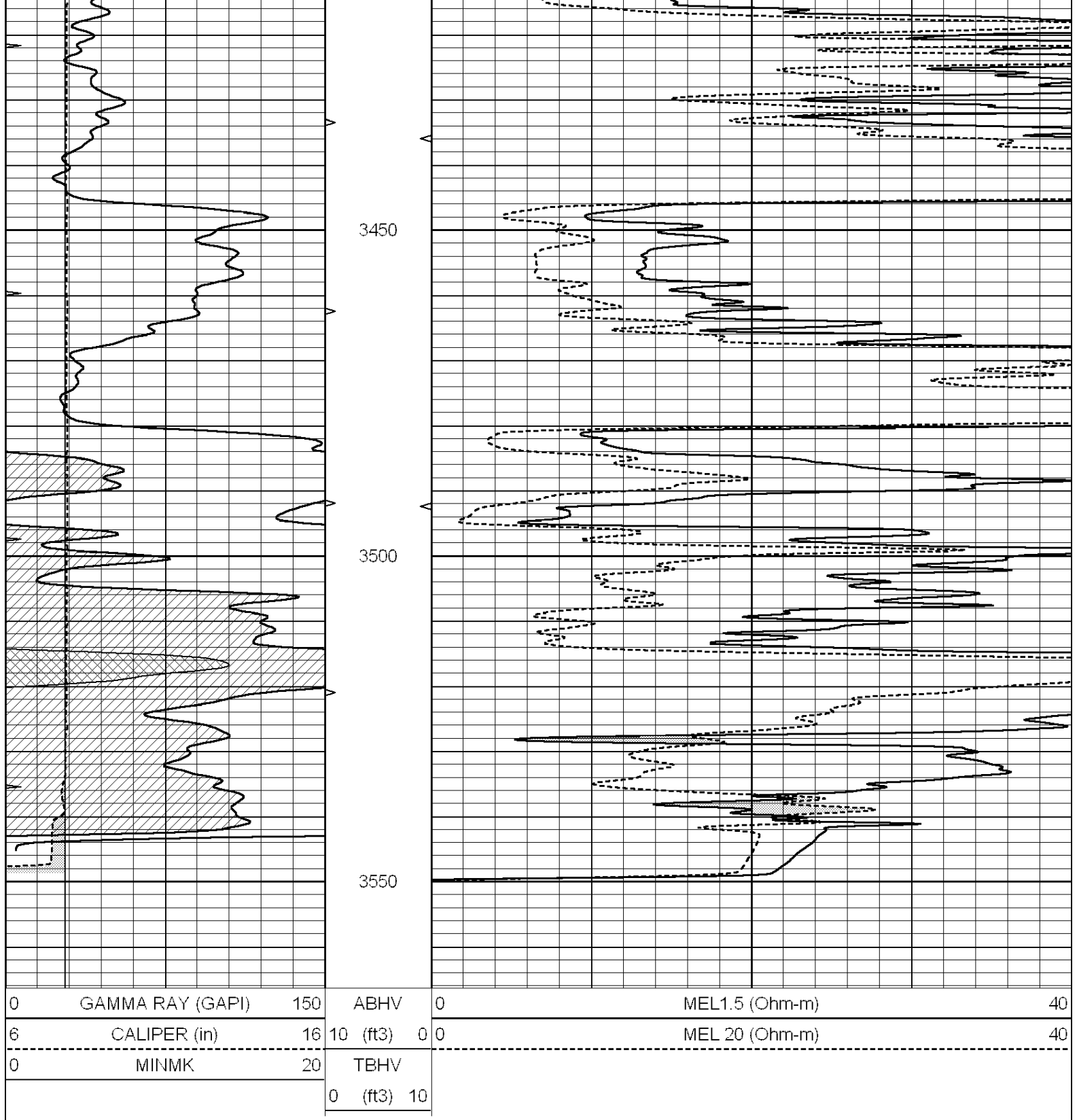


REPEAT SECTION

Database File: 3612pe.db
 Dataset Pathname: pass5.1
 Presentation Format: micro
 Dataset Creation: Wed Apr 17 02:53:48 2019 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3) 0	0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3) 10			





Calibration Report

Database File: 3612pe.db
 Dataset Pathname: pass6.2
 Dataset Creation: Wed Apr 17 03:39:47 2019 by Calc SOC 120430

MICRO Calibration Report

Serial Number:	070912
Tool Model:	ProbeN
Performed:	Sun Mar 31 03:39:54 2019

Caliper Calibration:	Gain=4.250	Offset=-1.125
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References	Low Cal	High Cal
Readings	7.800	18.000
	2.100	4.500
1.5" Calibration:	Gain=42.000	Offset=-2.400
References	Low Cal	High Cal
Readings	0.000	20.000
	0.002	1.239
2" Calibration:	Gain=46.000	Offset=-2.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.003	1.075
Gamma Ray Calibration Report		
Serial Number:	070559	
Tool Model:	OPEN_GR	
Performed:	Thu Apr 11 20:54:20 2019	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2400	GAPI/cps