



MICRO LOG

Company MAI OIL OPERATIONS, INC.  
 Well TIEPERMAN #1  
 Field MUELLER  
 County STAFFORD  
 State KANSAS

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 Field MUELLER  
 County STAFFORD State KANSAS

Location: API # : 15-185-23973-0000  
 393' FSL & 1113' FWL  
 NE - SE - SW - SW  
 SEC 29 TWP 21S RGE 12W

Permanent Datum GROUND LEVEL Elevation 1859  
 Log Measured From KELLY BUSHING 8' A.G.L.  
 Drilling Measured From KELLY BUSHING

Other Services  
 CDL/CNL  
 DIL  
 Elevation  
 K.B. 1867  
 D.F. 1865  
 G.L. 1859

Date	12/2/16
Run Number	TWO
Depth Driller	3710
Depth Logger	3710
Bottom Logged Interval	3708
Top Log Interval	1900
Casing Driller	8 5/8" @ 647'
Casing Logger	657
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3/8.1
pH / Fluid Loss	9.5/9.6
Source of Sample	FLOWLINE
Rim @ Meas. Temp	.800 @ 60F
Rmf @ Meas. Temp	.600 @ 60F
Rmc @ Meas. Temp	.960 @ 60F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.425 @ 113F
Time Circulation Stopped	4 HOURS
Time Logger on Bottom	1:15 A.M.
Maximum Recorded Temperature	113F
Equipment Number	922339
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
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

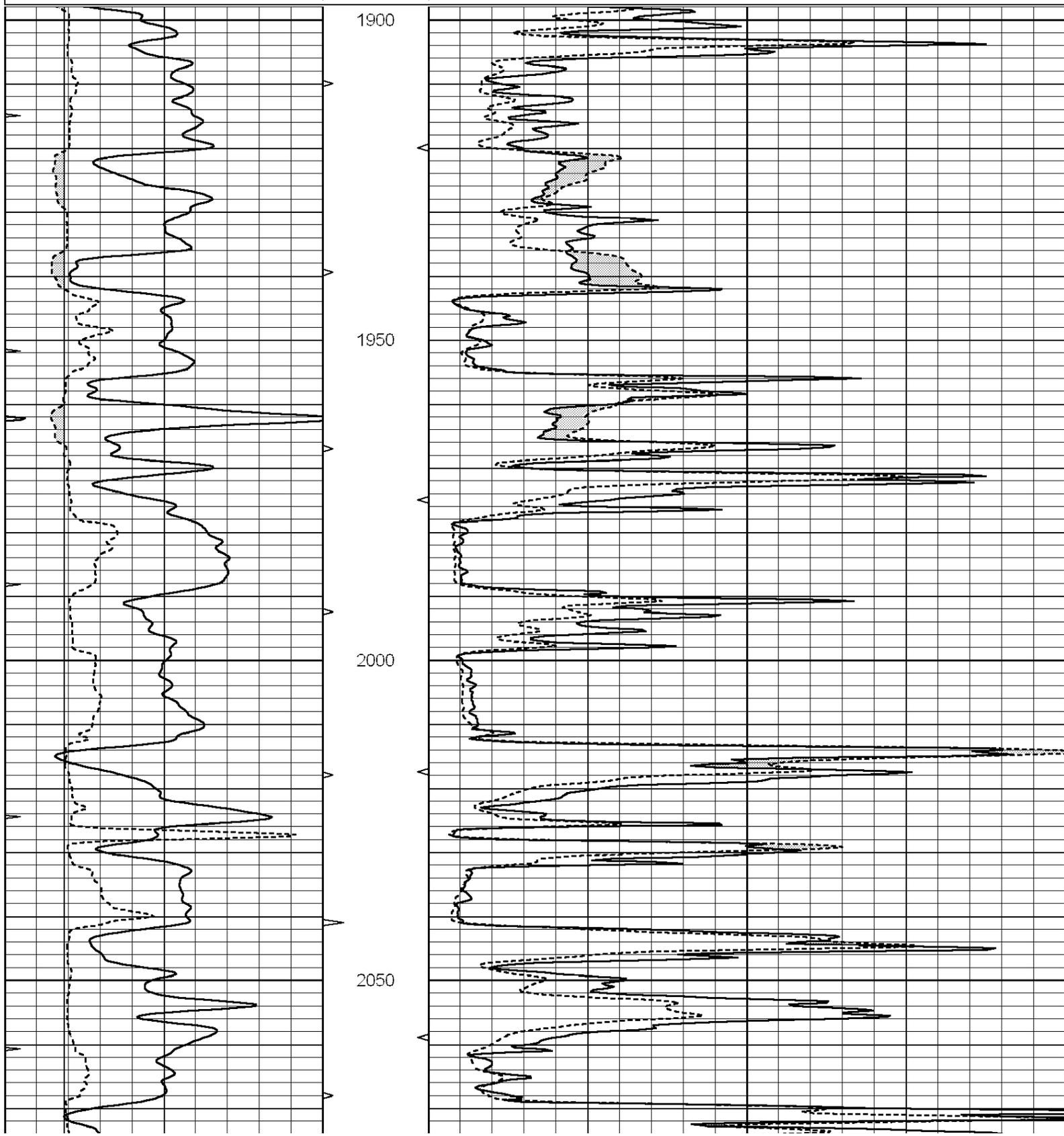
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395  
 DIRECTIONS  
 GREAT BEND, KS., 12S. ON HWY 281 TO "160TH RD.", 4E. TO STOP SIGN, JOG N. ON BLKTOP, E. INTO

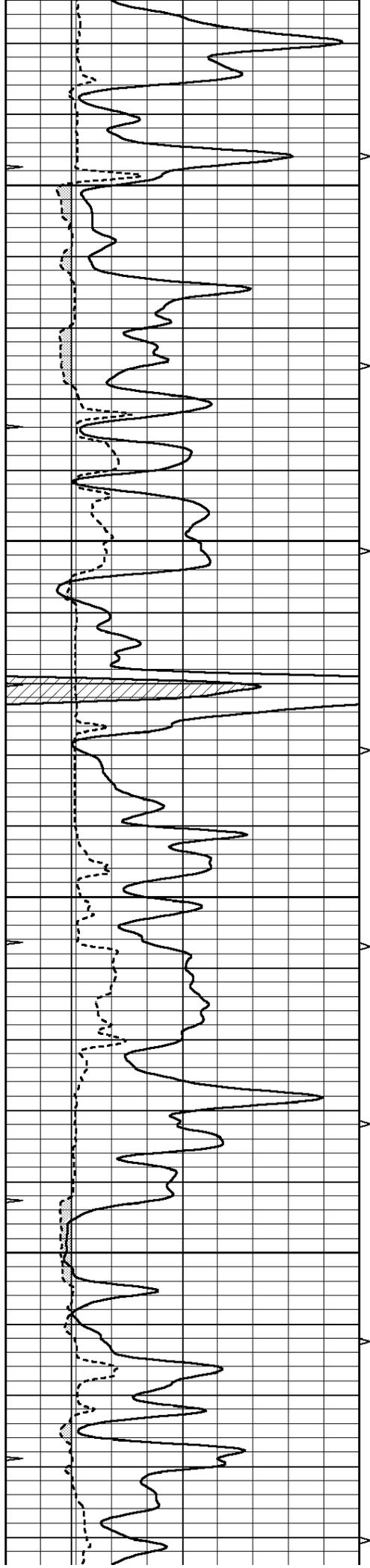


MAIN SECTION

Database File: 1330ddn.db  
 Dataset Pathname: pass6.1  
 Presentation Format: micro  
 Dataset Creation: Fri Dec 02 04:39:27 2016 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	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



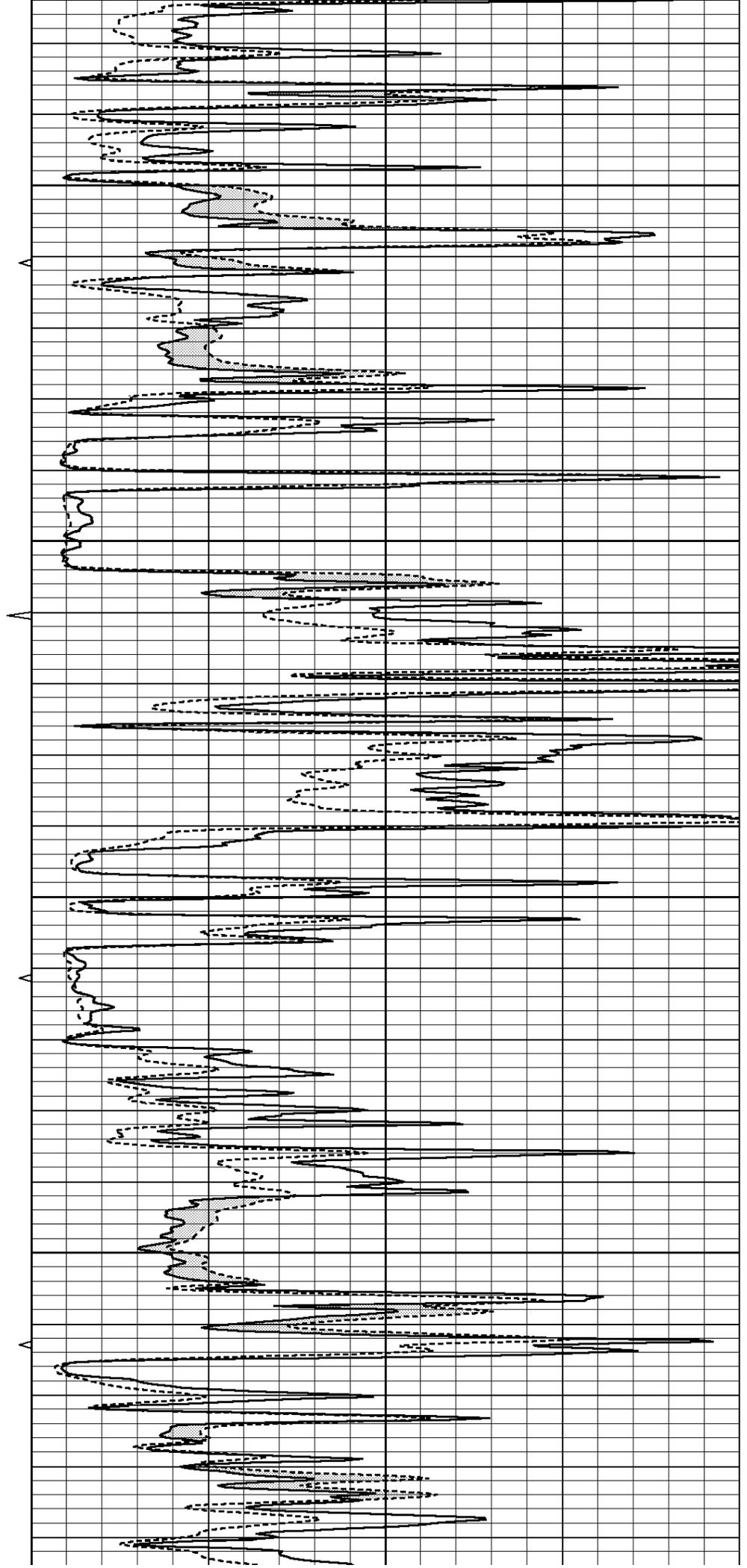


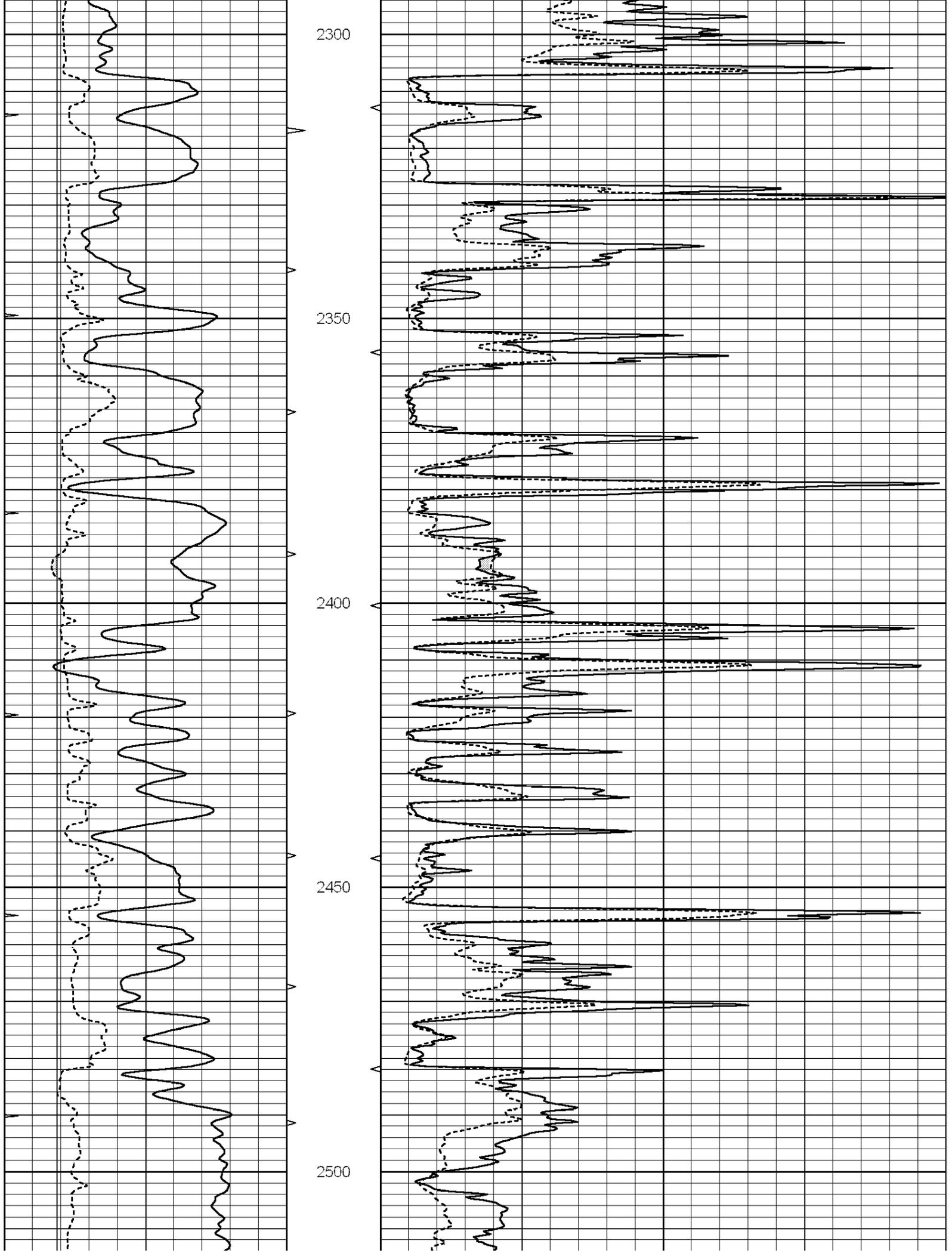
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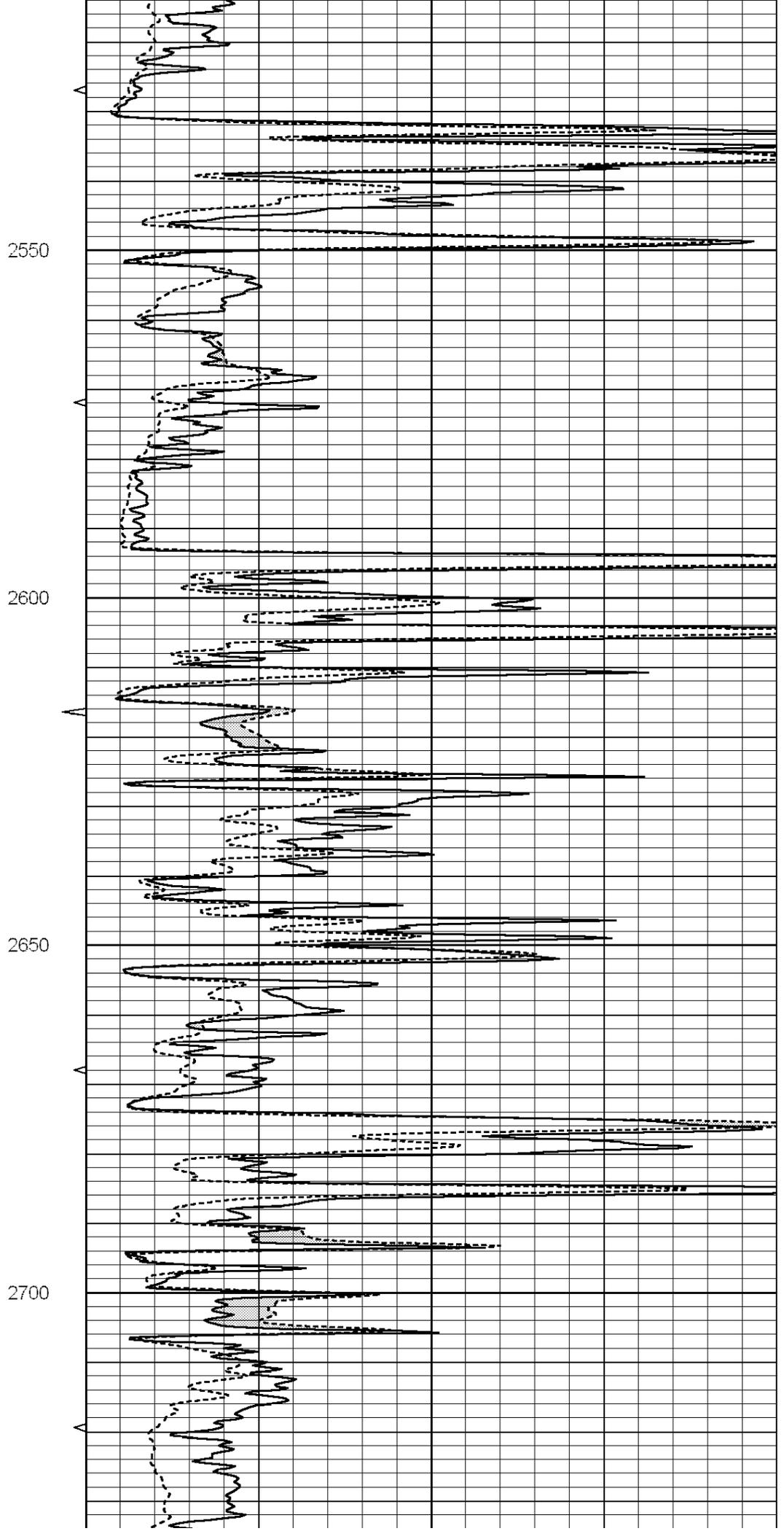
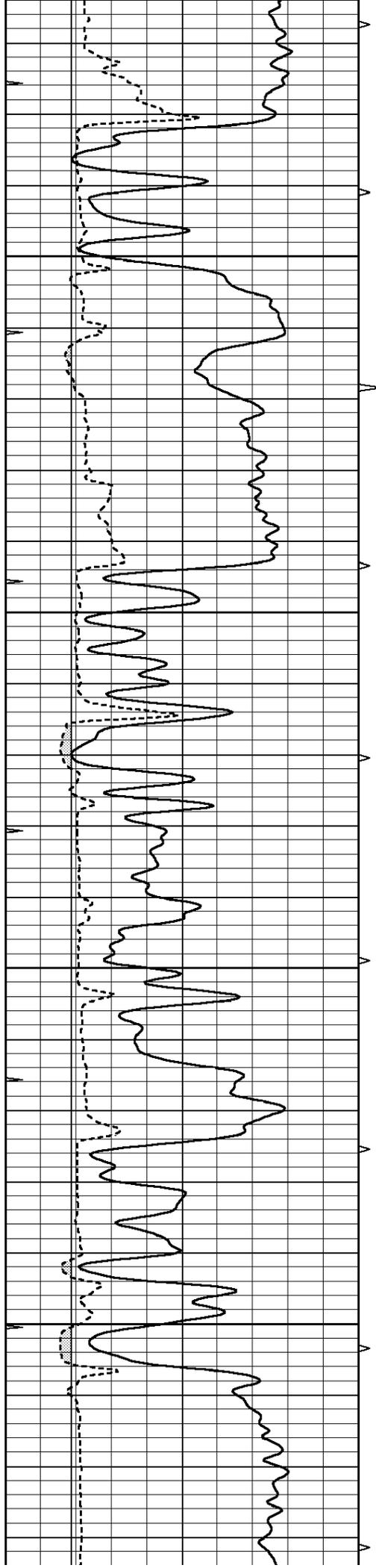
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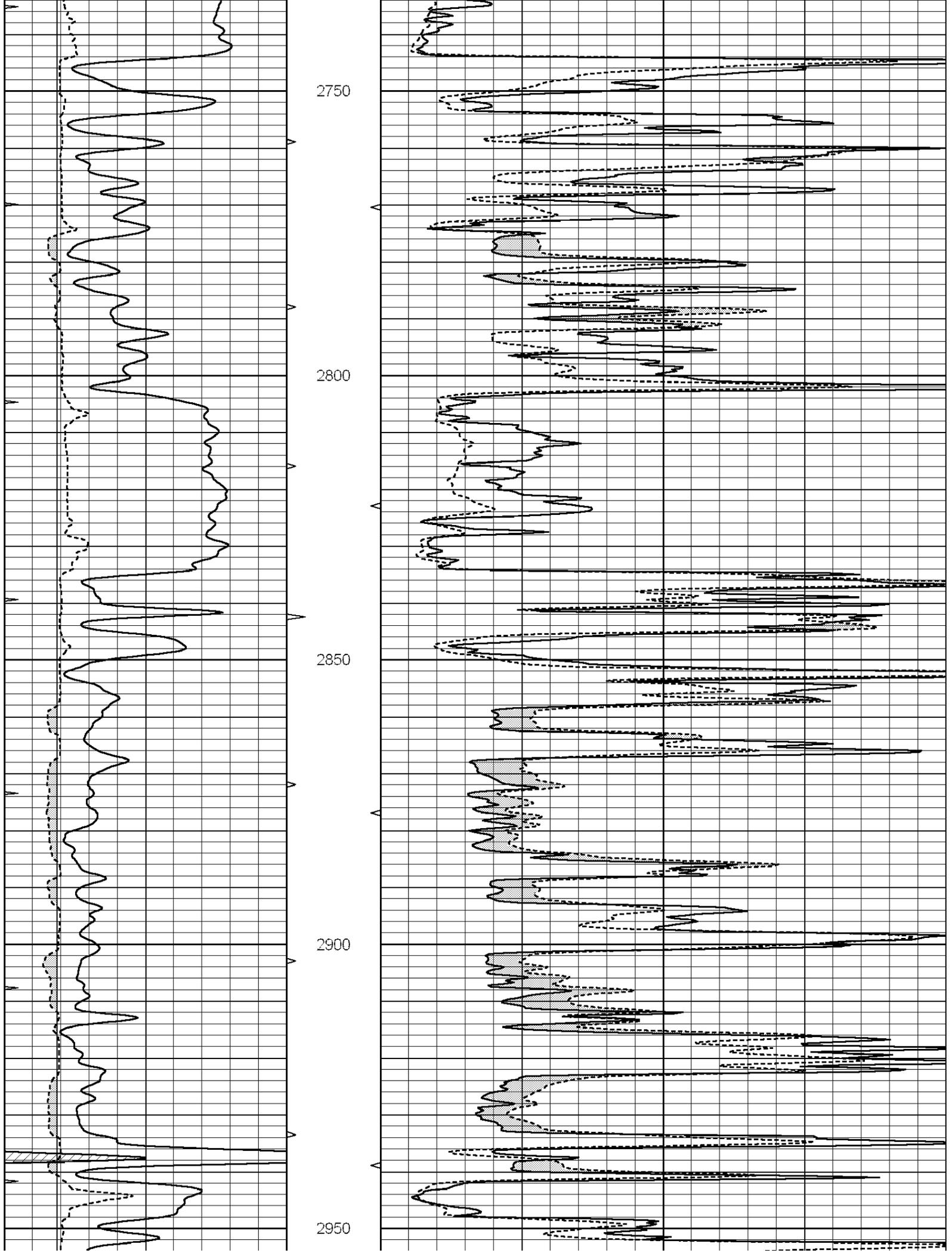
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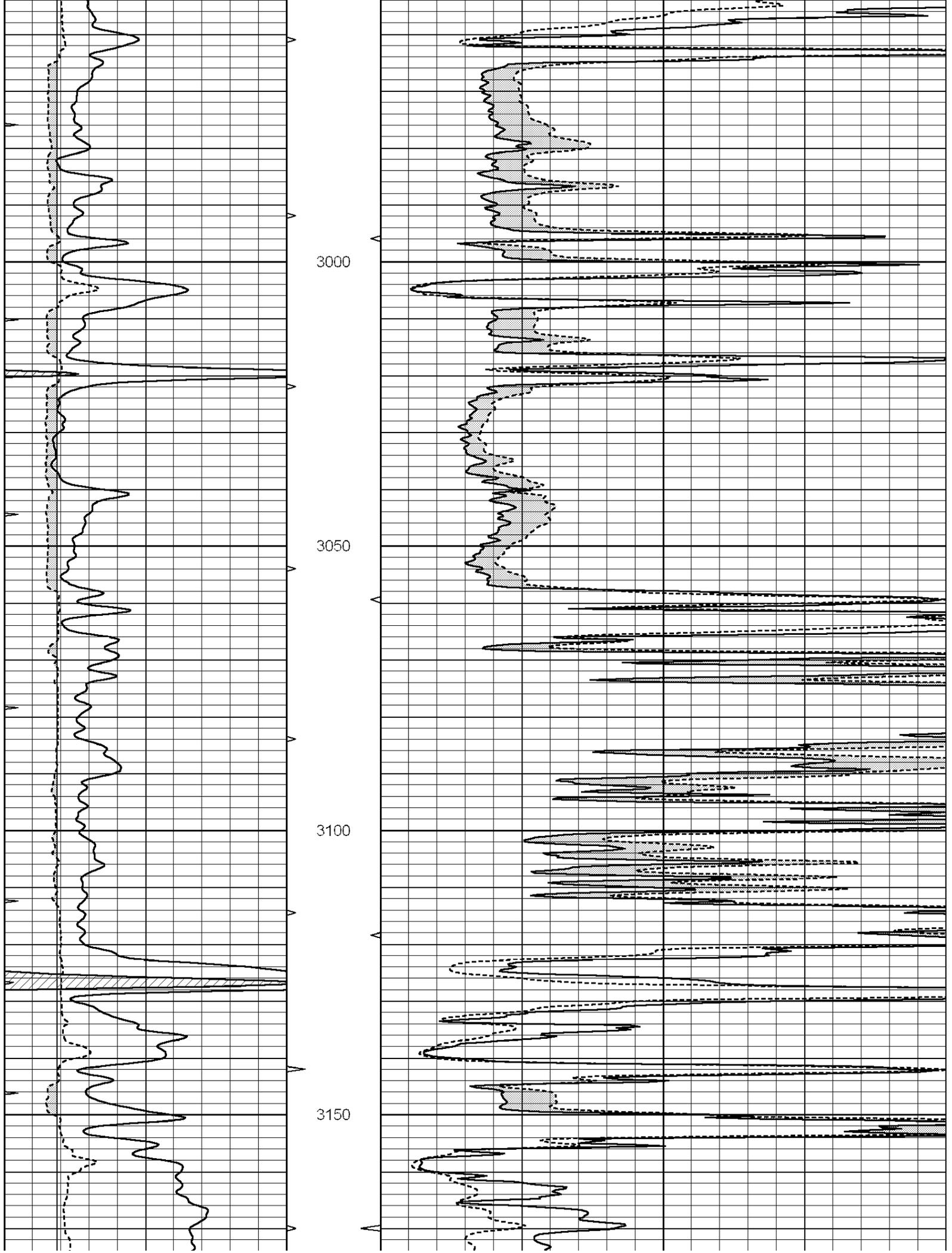
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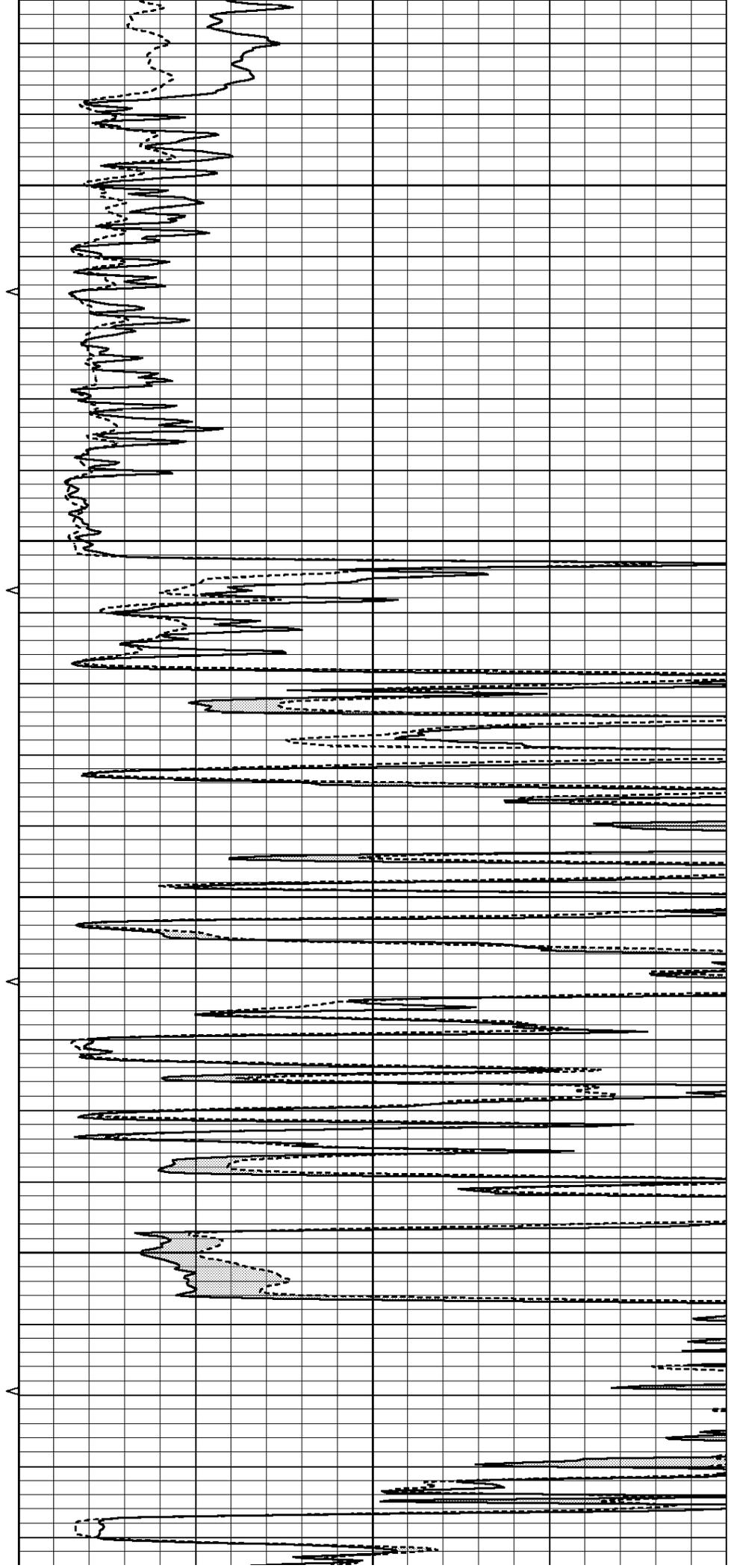
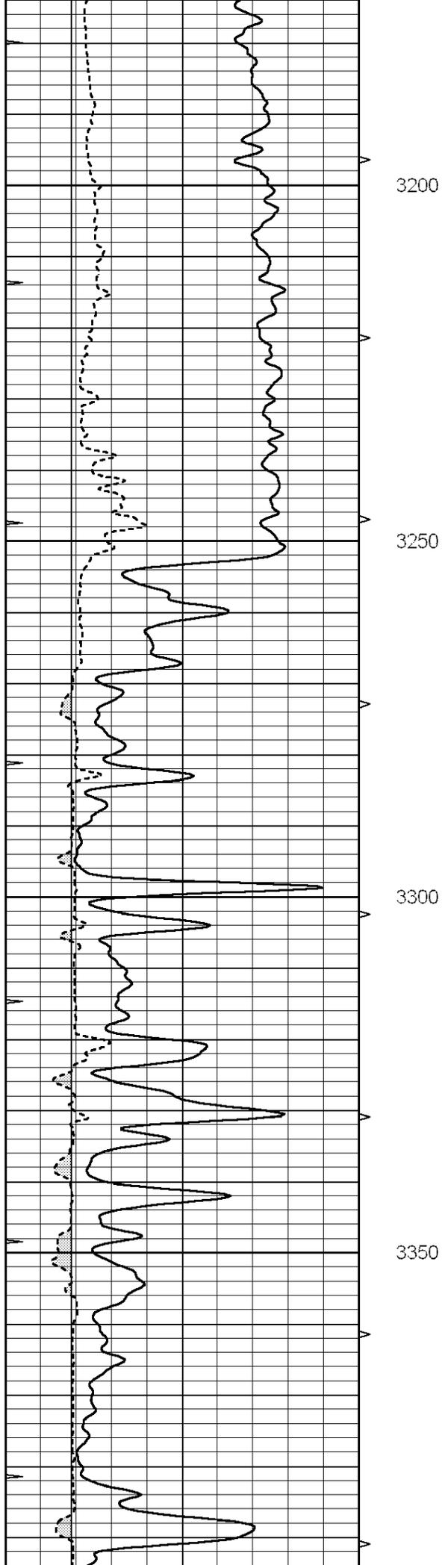


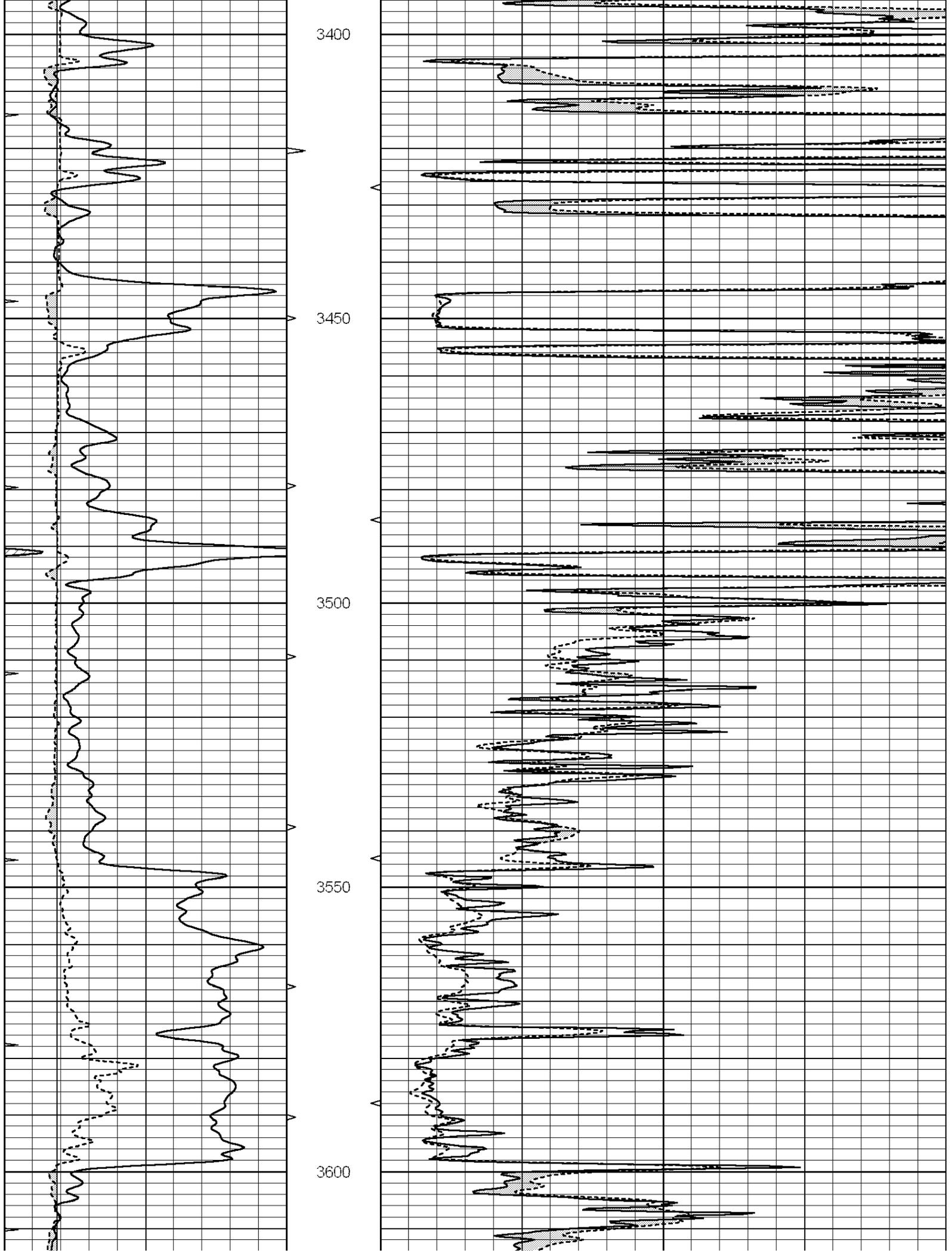


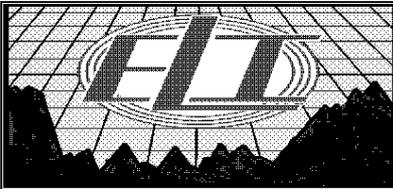
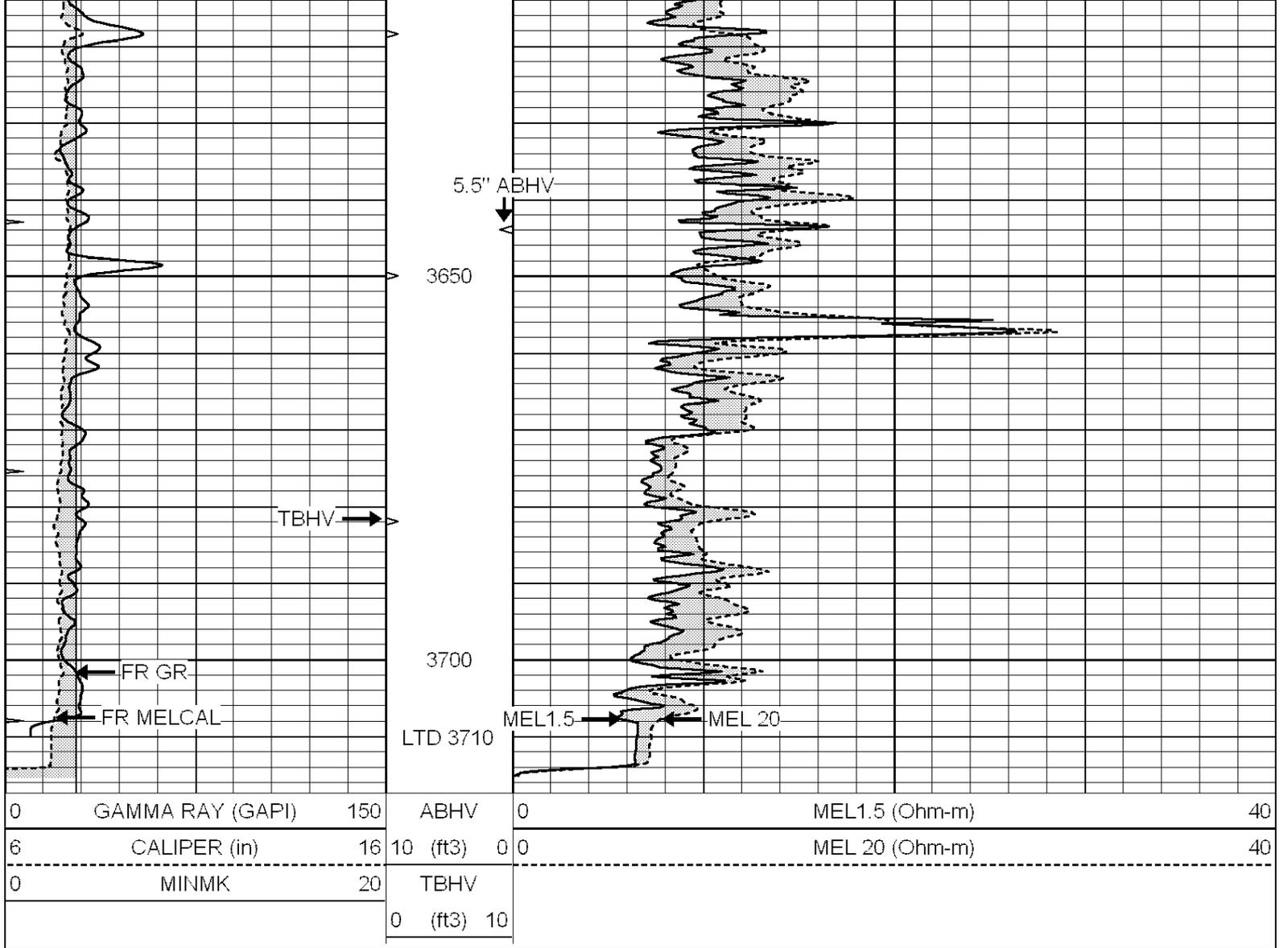








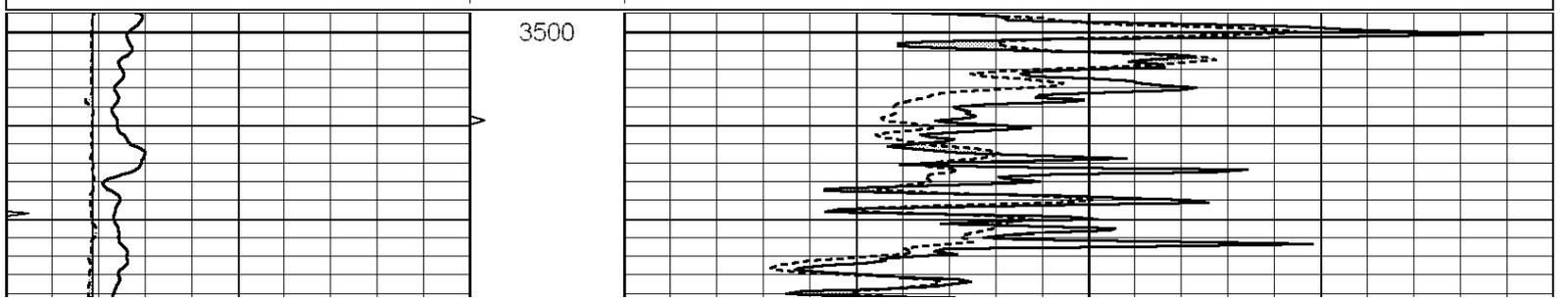


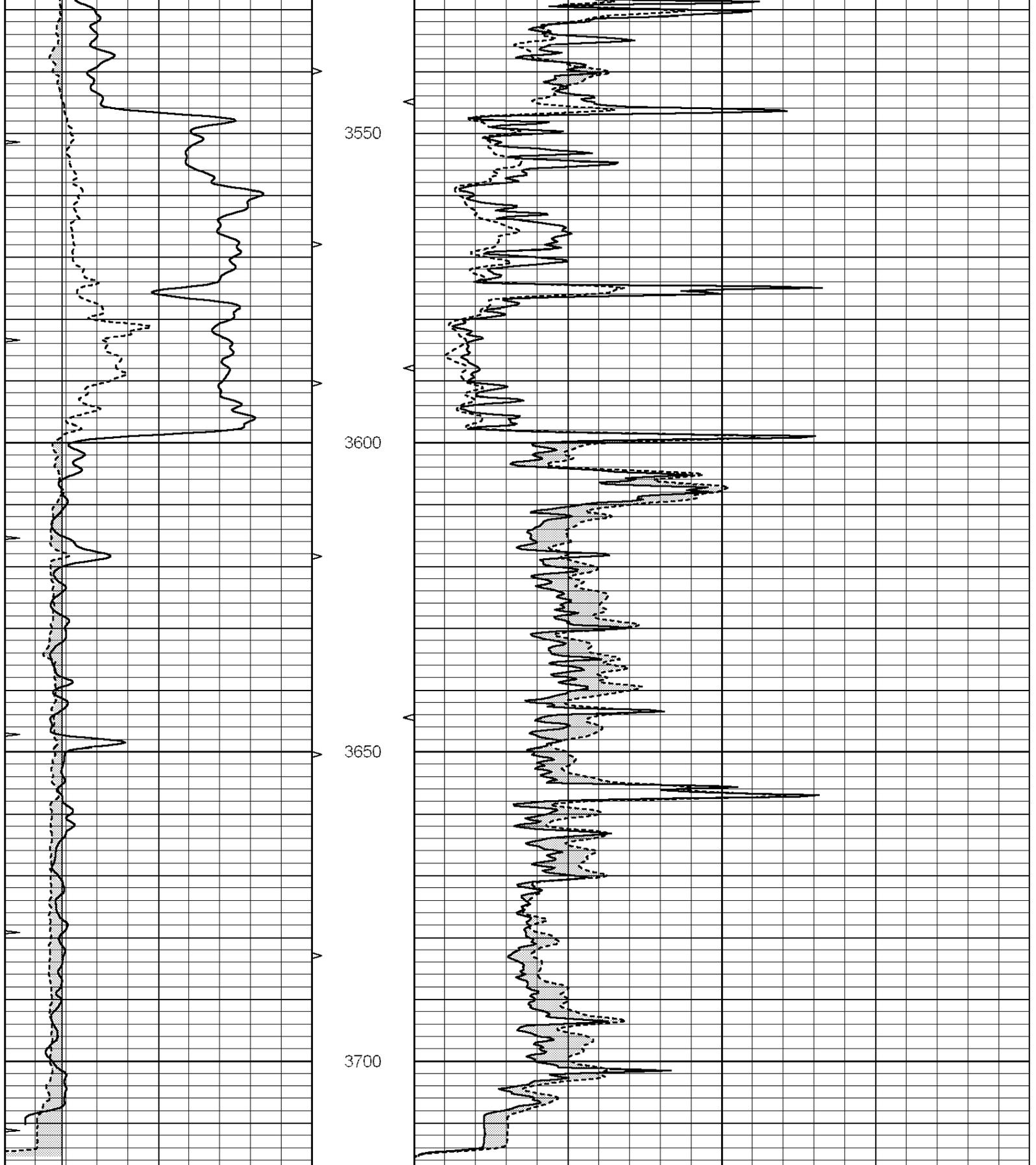


# REPEAT SECTION

Database File: 1330ddn.db  
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 Presentation Format: micro  
 Dataset Creation: Fri Dec 02 03:43:51 2016 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		





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

Database File: 1330ddn.db  
Dataset Pathname: pass6.1  
Dataset Creation: Fri Dec 02 04:39:27 2016 by Calc SOC 120430

MICRO Calibration Report

Serial Number: 070910  
Tool Model: ProbeN  
Performed: Sat Nov 12 09:31:59 2016

Caliper Calibration: Gain=5.163      Offset=-0.404

	Low Cal	High Cal
References	7.200	16.000
Readings	1.473	3.178

1.5" Calibration: Gain=36.000      Offset=0.300

	Low Cal	High Cal
References	0.000	20.000
Readings	0.000	1.216

2" Calibration: Gain=42.000      Offset=0.000

	Low Cal	High Cal
References	0.000	20.000
Readings	0.002	1.053

Gamma Ray Calibration Report

Serial Number: 070559  
Tool Model: OPEN\_GR  
Performed: Fri Dec 02 03:40:07 2016

Calibrator Value: 1.0      GAPI

Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps

Sensitivity: 0.2200      GAPI/cps