



**MICRO
LOG**

Company MULL DRILLING COMPANY, INC.
 Well #1-8 KSU - GOERING UNIT
 Field WILDCAT
 County FINNEY
 State KANSAS

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Location: API # : 15-055-22459-0000
 777' FNL & 124' FWL
 SEC 8 TWP 21S RGE 31W
 Permanent Datum GROUND LEVEL Elevation 2893
 Log Measured From KELLY BUSHING 5' A.G.L.
 Drilling Measured From KELLY BUSHING
 Other Services
 CDL/CNL/PE
 DIL/SONIC
 Elevation
 K.B. 2898
 D.F. 2896
 G.L. 2893

Date	8/24/17
Run Number	TWO
Depth Driller	4790
Depth Logger	4788
Bottom Logged Interval	4772
Top Log Interval	3600
Casing Driller	8 5/8"@260'
Casing Logger	260
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3/48
pH / Fluid Loss	9.5/9.2
Source of Sample	FLOWLINE
Rim @ Meas. Temp	.900@80F
Rmf @ Meas. Temp	.675@80F
Rmc @ Meas. Temp	1.08@80F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.585@123F
Time Circulation Stopped	4.5 HOURS
Time Logger on Bottom	6:45 A.M.
Maximum Recorded Temperature	123F
Equipment Number	922339
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	KEVIN KESSLER

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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

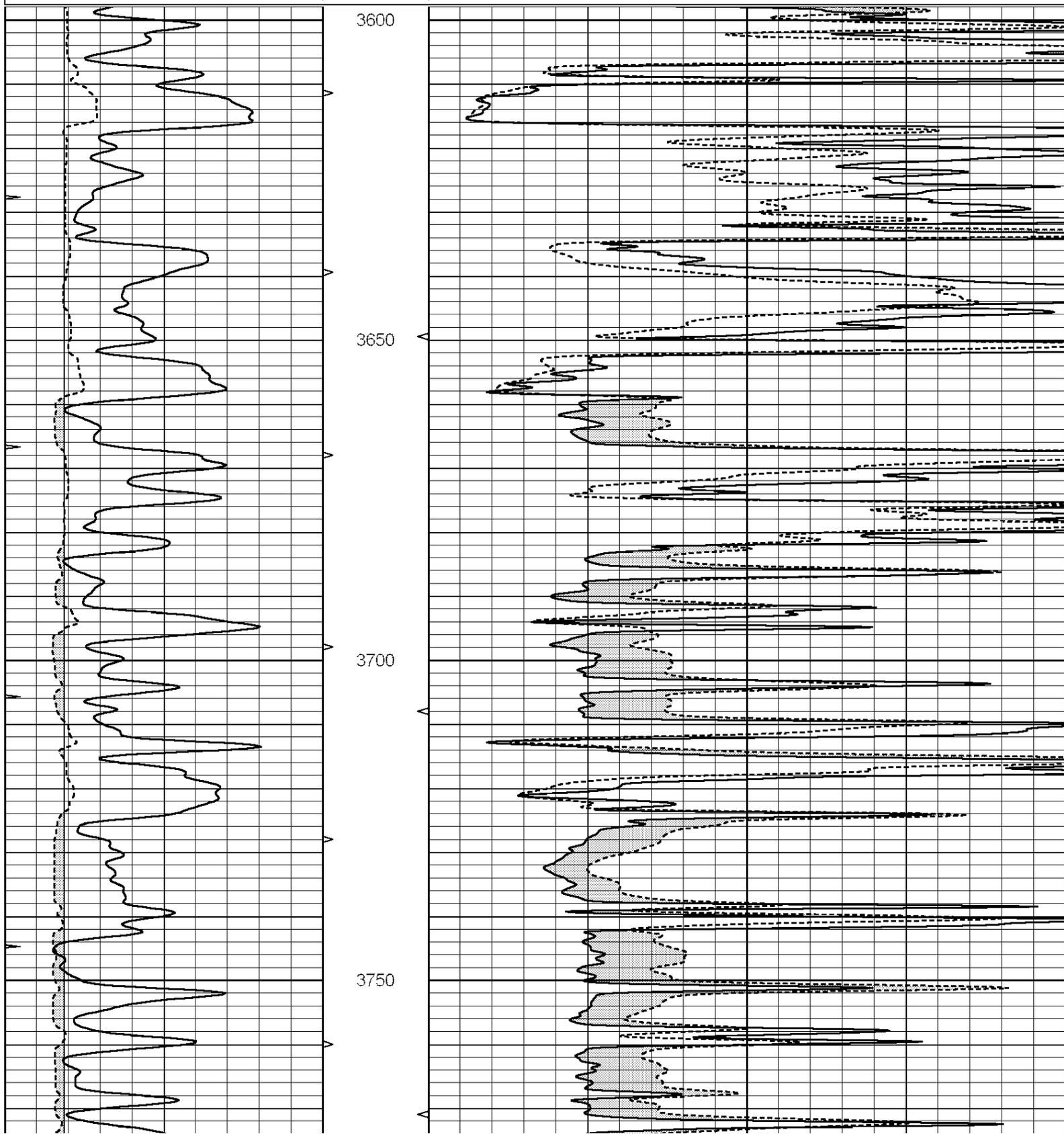
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
 DIRECTIONS
 SCOTT CITY, KS., 18S. ON HWY 83 TO "MEAD RD.", 7E. TO "SIXTEEN MILE RD.", 1 1/2N., E. INTO THEN
 BACK SOUTH ALONG FENCE

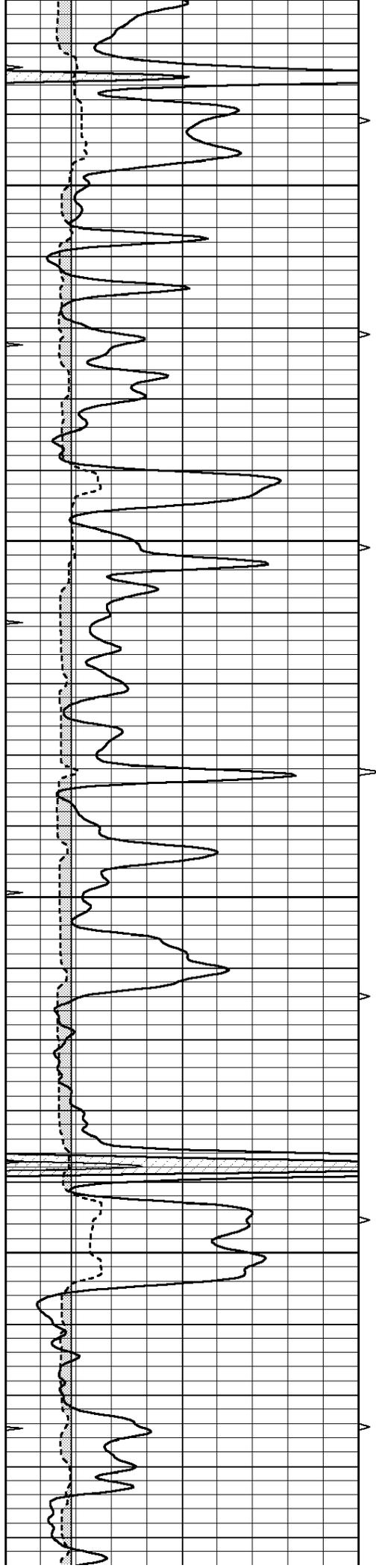


MAIN SECTION

Database File: 1597pe.db
 Dataset Pathname: pass6.2
 Presentation Format: micro
 Dataset Creation: Thu Aug 24 08:35:10 2017
 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		



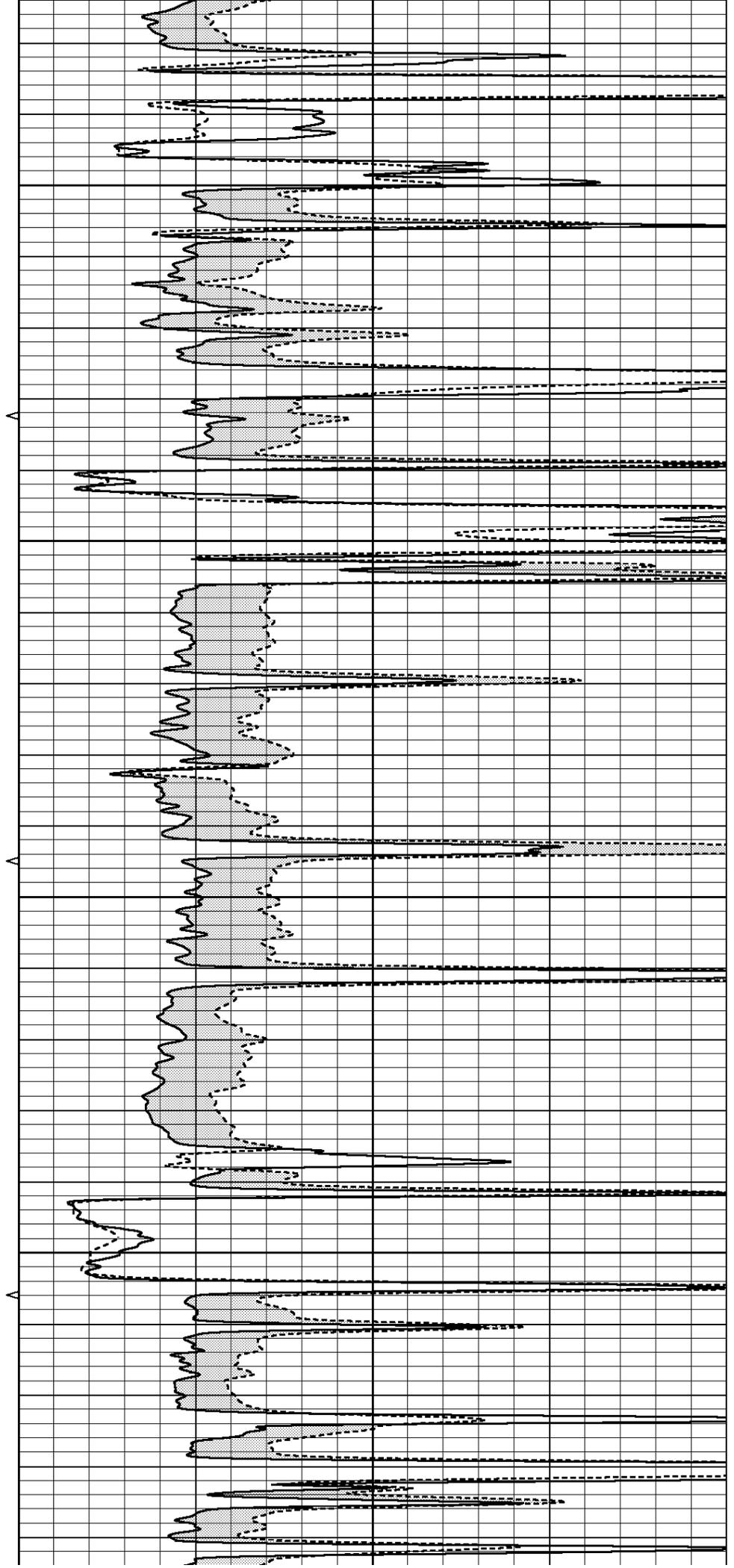


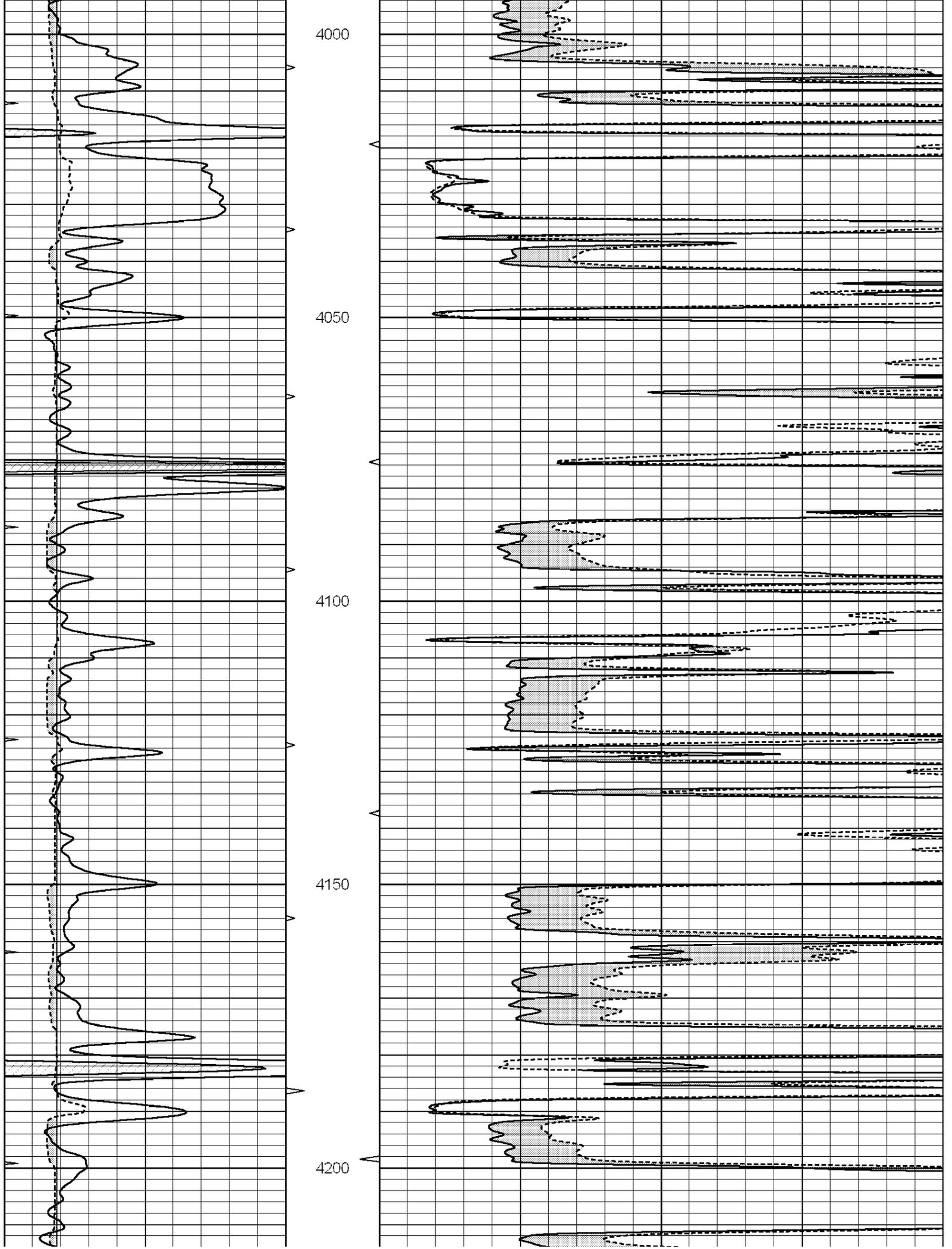
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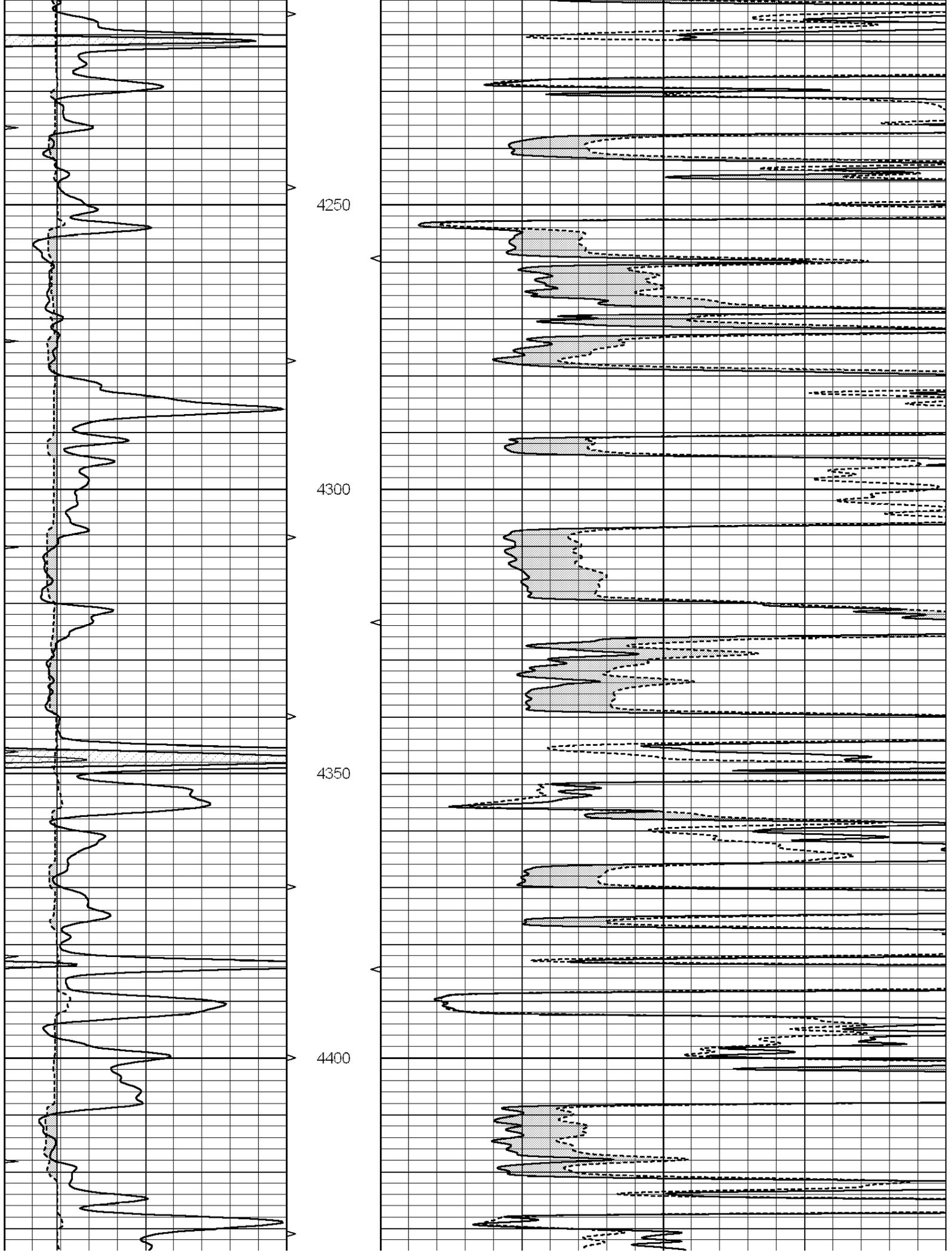
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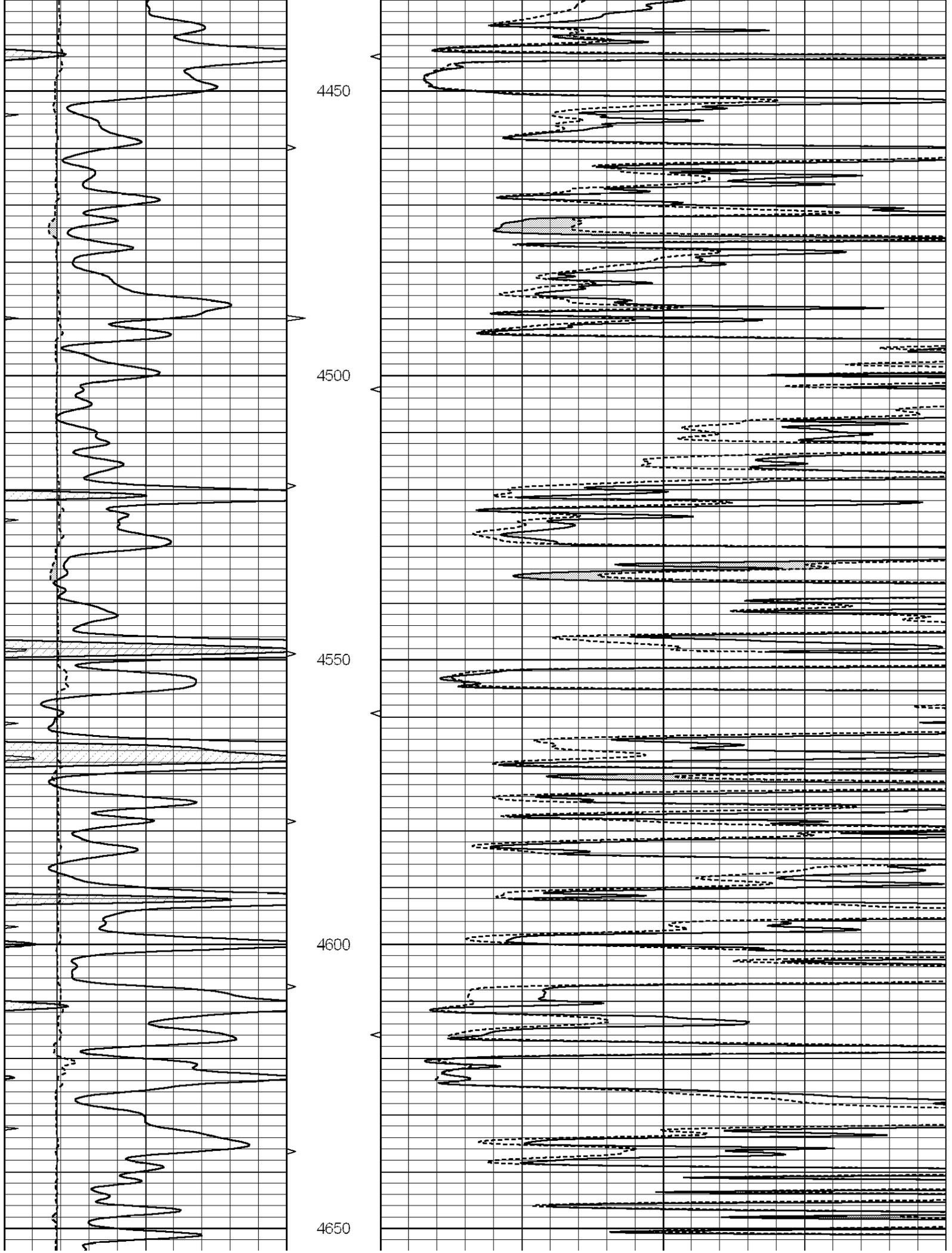
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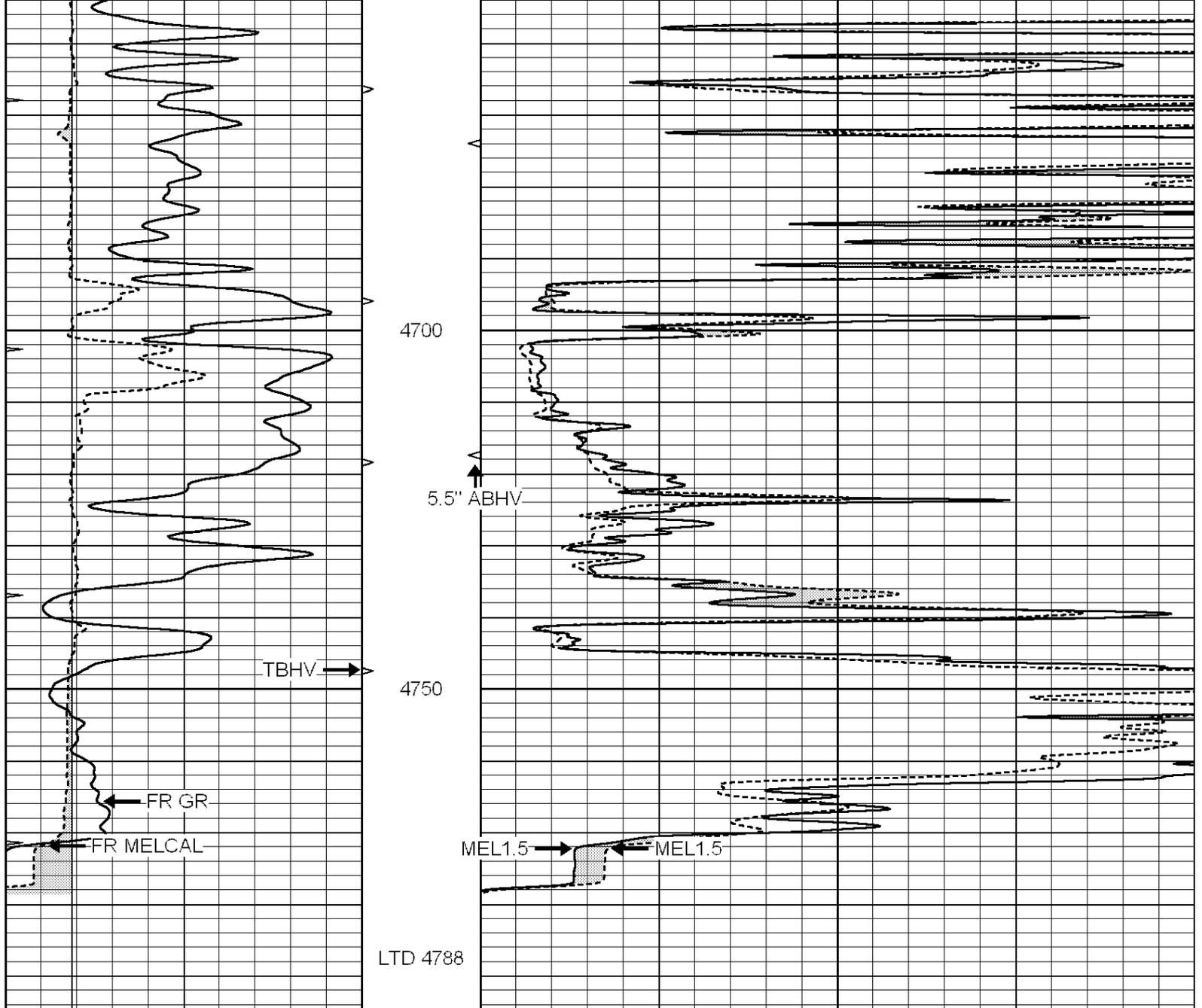
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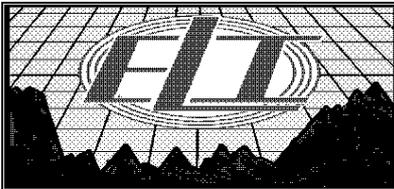








0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		

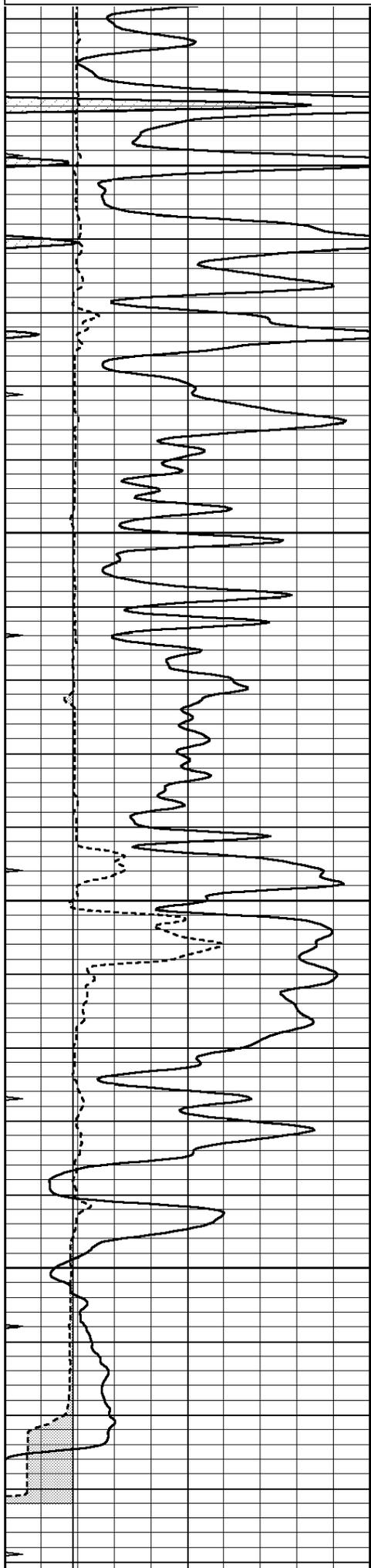


REPEAT SECTION

Database File: 1597pe.db
 Dataset Pathname: pass5.1
 Presentation Format: micro
 Dataset Creation: Thu Aug 24 08:10:07 2017 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

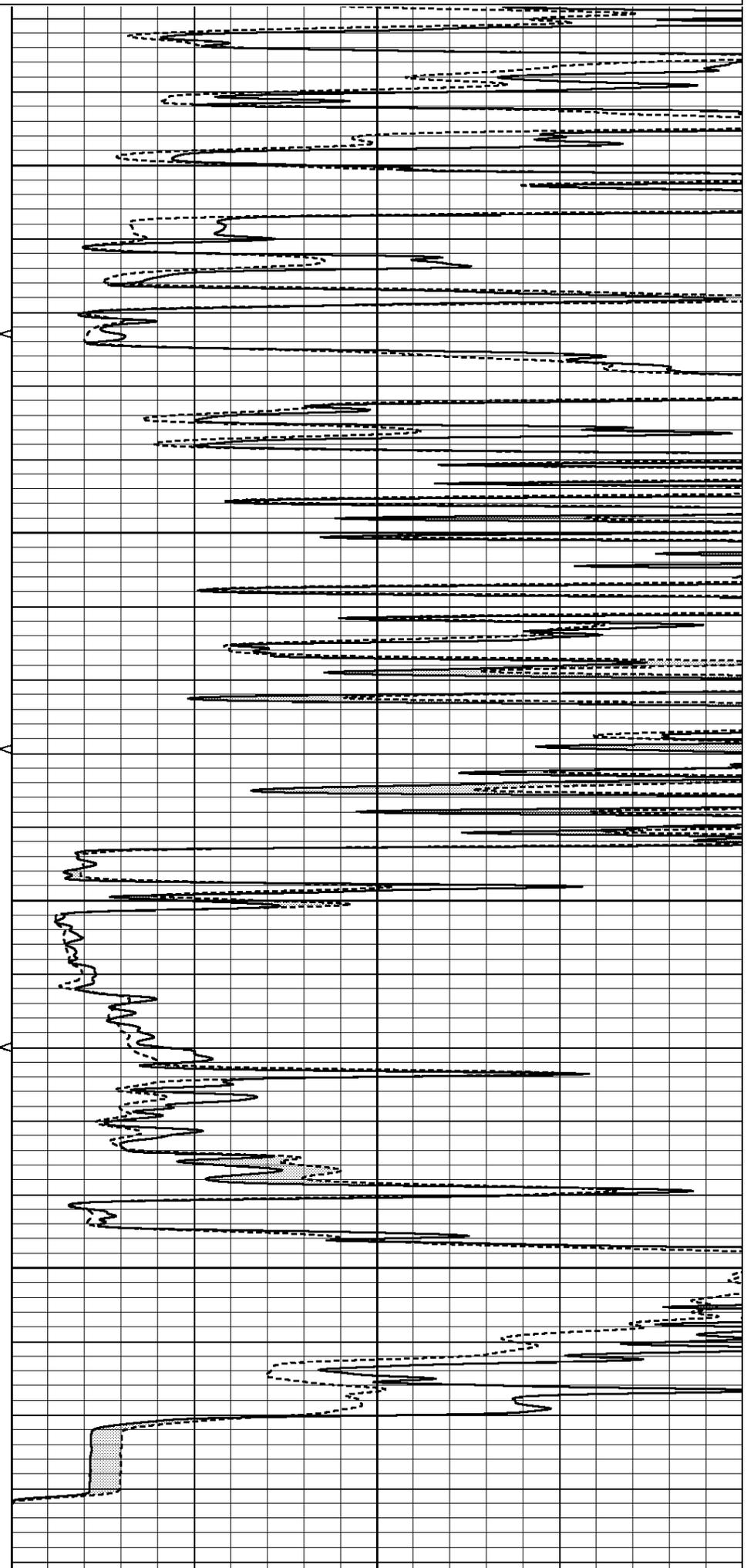


4600

4650

4700

4750



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		

Calibration Report

Database File: 1597pe.db
Dataset Pathname: pass6.2
Dataset Creation: Thu Aug 24 08:35:10 2017

MICRO Calibration Report

Serial Number:	070911	
Tool Model:	ProbeN	
Performed:	Tue Aug 08 06:25:06 2017	
Caliper Calibration:	Gain=3.922	Offset=2.314
	Low Cal	High Cal
References	8.000	18.000
Readings	1.450	4.000
1.5" Calibration:	Gain=40.000	Offset=0.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.001	1.240
2" Calibration:	Gain=48.000	Offset=0.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.001	1.076

Gamma Ray Calibration Report

Serial Number:	110959	
Tool Model:	OPEN_GR	
Performed:	Tue Aug 08 03:45:01 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2100	GAPI/cps