



SUPERIOR
Hays,
Kansas

MICRO
LOG

Company	MID-CONTINENT ENERGY		
Well	HINEMAN UNIT #1-6		
Field	WILDCAT		
County	LANE		
State	KANSAS		
Company	MID-CONTINENT ENERGY OPERATING CO.		
Well	HINEMAN UNIT #1-6		
Field	WILDCAT		
County	LANE		
State	KANSAS		
Location:	API # : 15-101-22207-0000		Other Services CDL/CNL DIL
Permanent Datum	GROUND LEVEL		Elevation
Log Measured From	180' FNL & 1865' FWL NE - NW - NE - NW		2757
Drilling Measured From	SEC 6 TWP 19S RGE 28W		K.B. 2762 D.F. 2760 G.L. 2757
Date	11/28/09		
Run Number	TWO		
Depth Driller	4675		
Depth Logger	4675		
Bottom Logged Interval	4673		
Top Log Interval	3600		
Casing Driller	8 5/8"@311'		
Casing Logger	305		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD		CHLORIDES 2,200 PPM
Density / Viscosity	9.4/57		
pH / Fluid Loss	10.0/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.950@90F		
Rmf @ Meas. Temp	.713@90F		
Rmc @ Meas. Temp	1.14@90F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.701@122F		
Time Circulation Stopped	5 HOURS		
Time Logger on Bottom	3:30 P.M.		
Maximum Recorded Temperature	122F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	MIKE KIDWELL		

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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 SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
DIGHTON, KS. 3S. ON HWY 23 TO FEEDLOT SIGN, 1/2 E., S. INTO

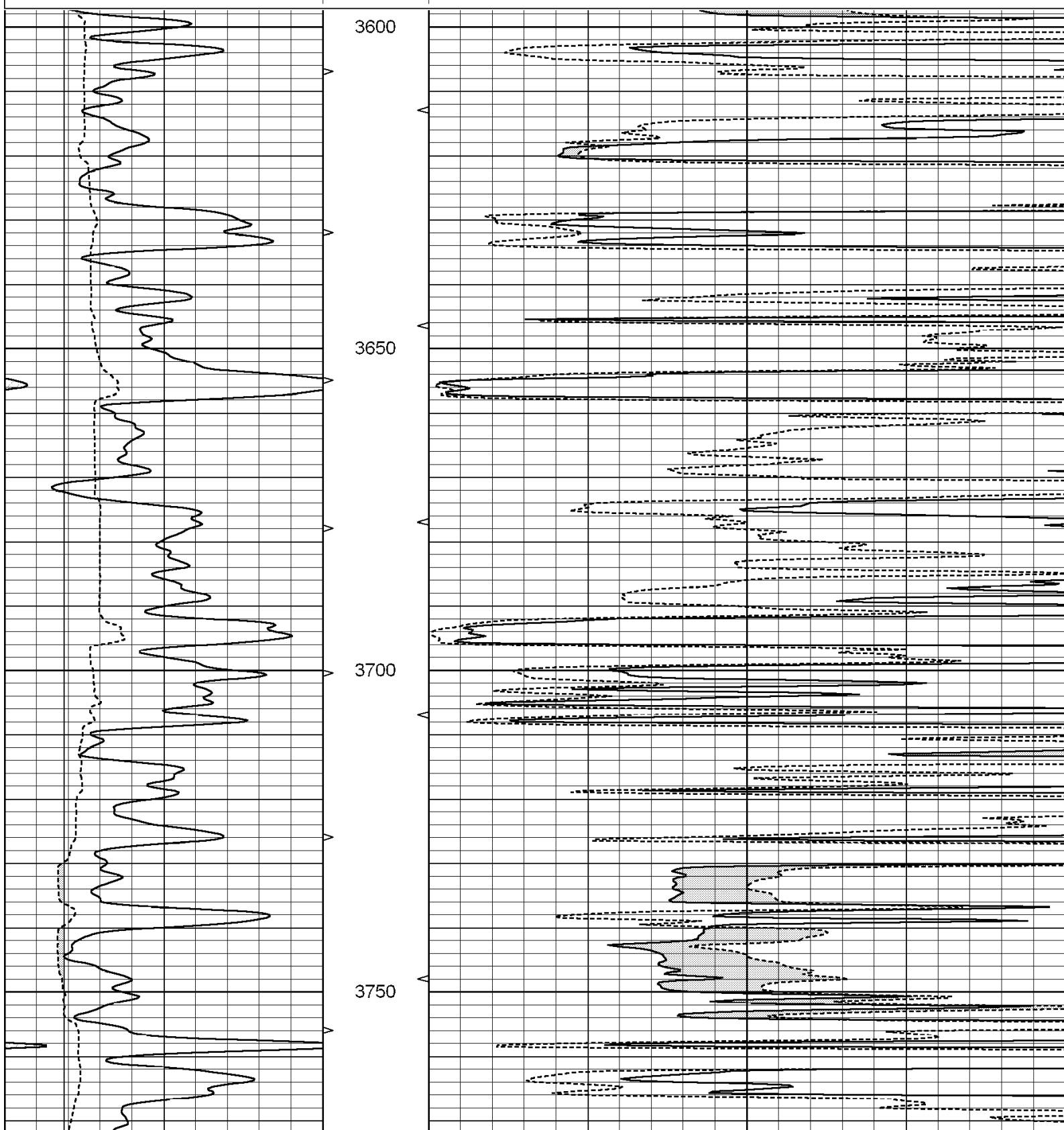


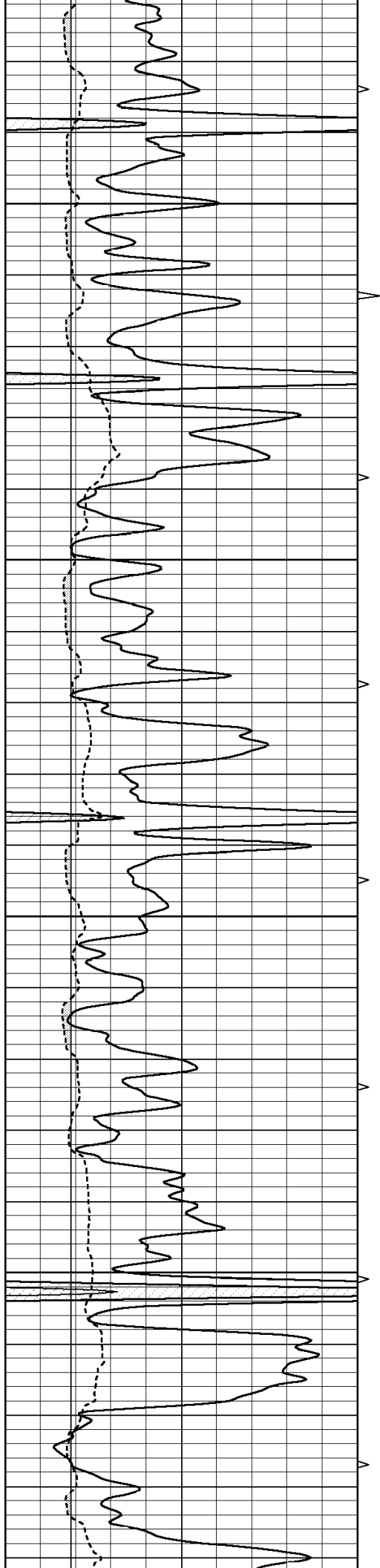
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MAIN SECTION

Database File: 004376ddn.db
Dataset Pathname: pass7.5
Presentation Format: micro
Dataset Creation: Sat Nov 28 18:52:46 2009 by Calc Open-Cased 060407
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	20
6	CALIPER (in)	16	10 (ft3) 0	0	MEL2.0 (Ohm-m)	20
			TBHV			
			0 (ft3) 10			



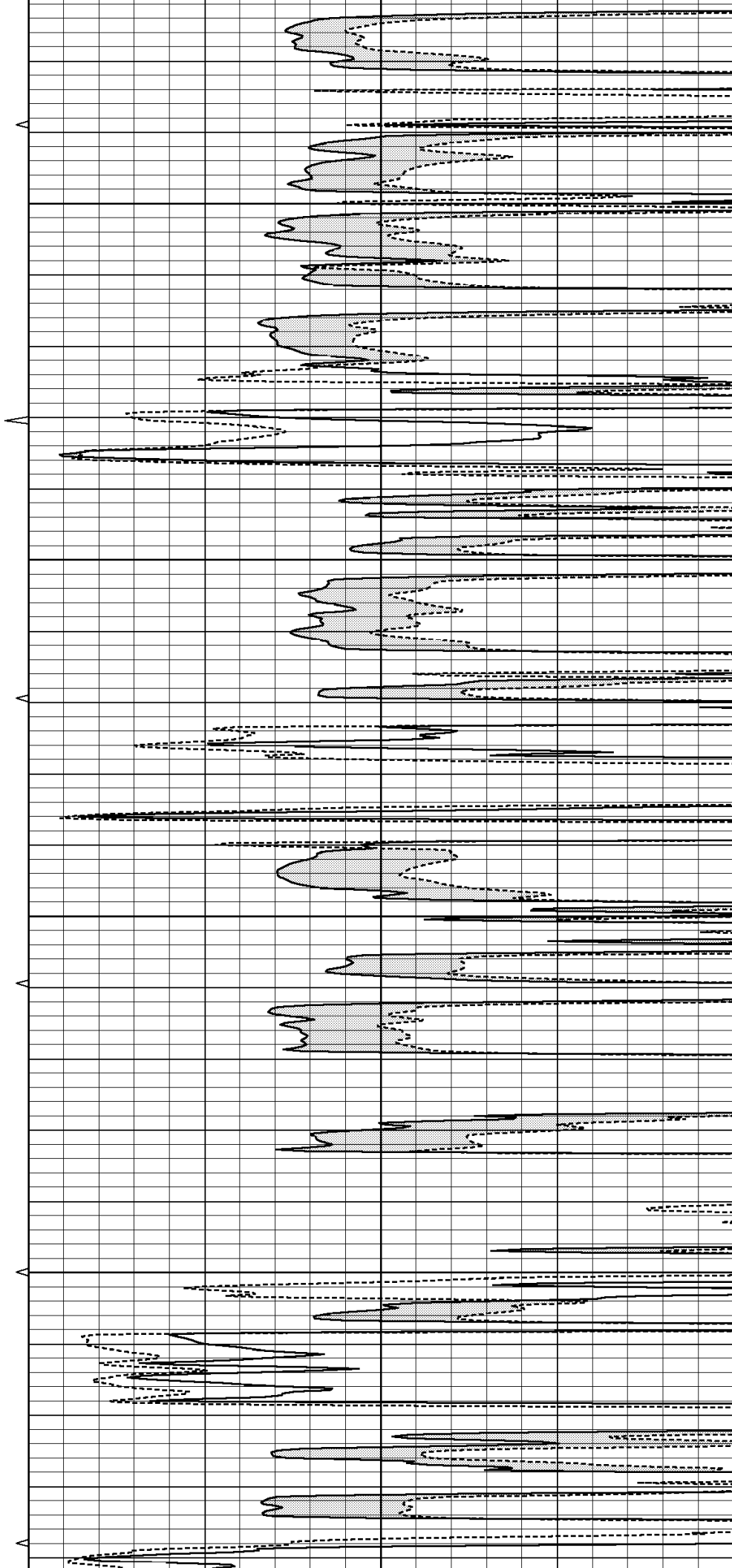


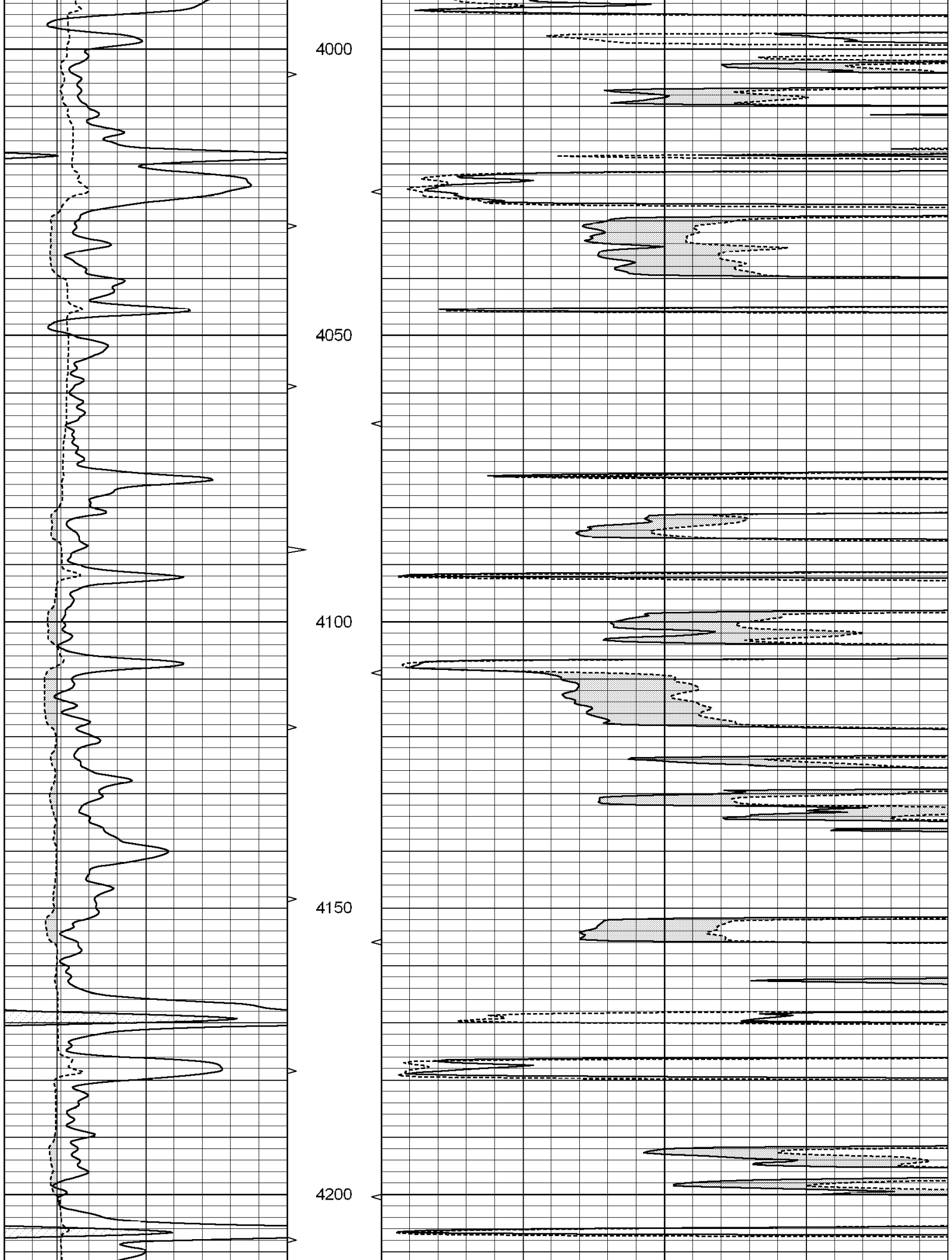
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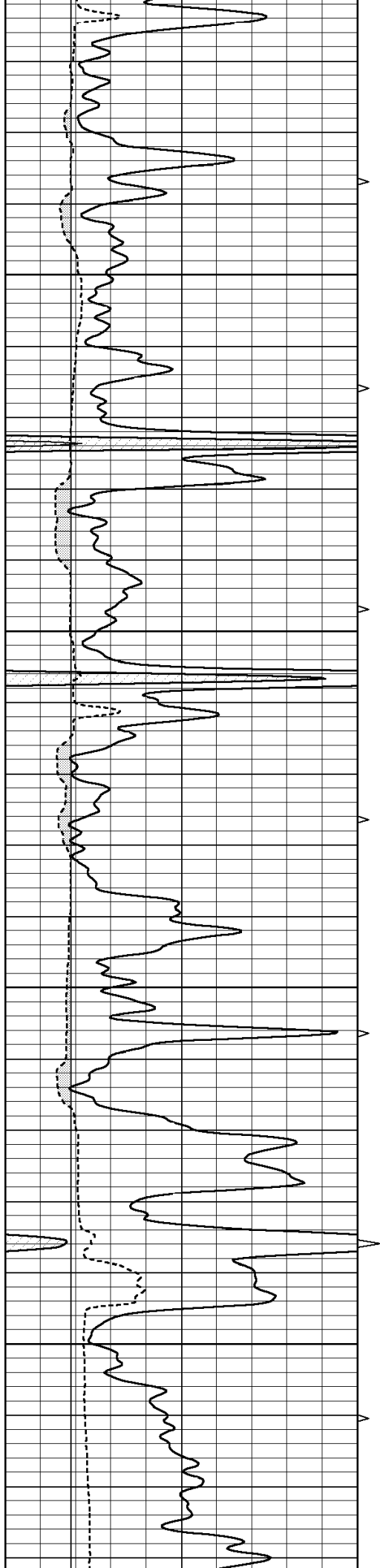
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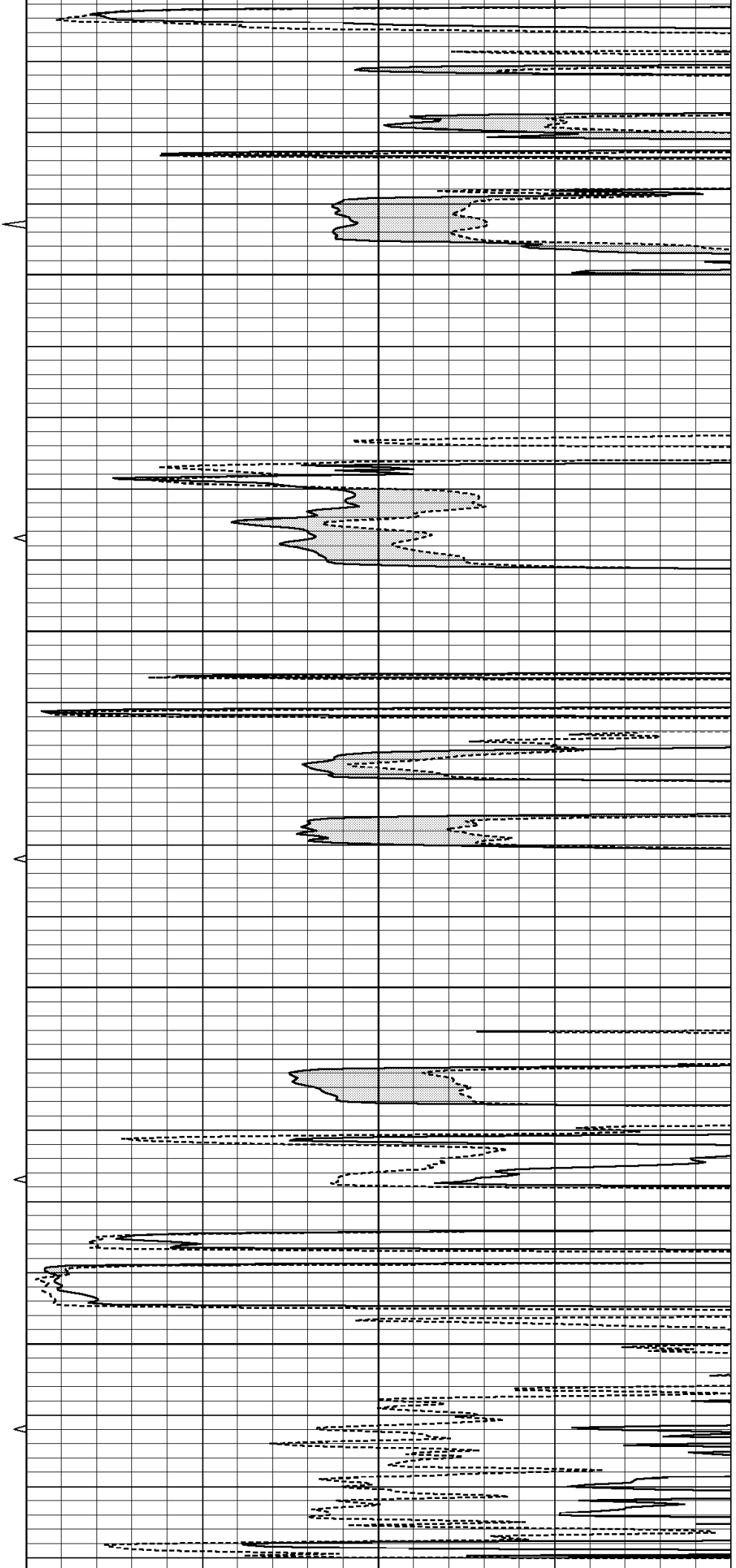


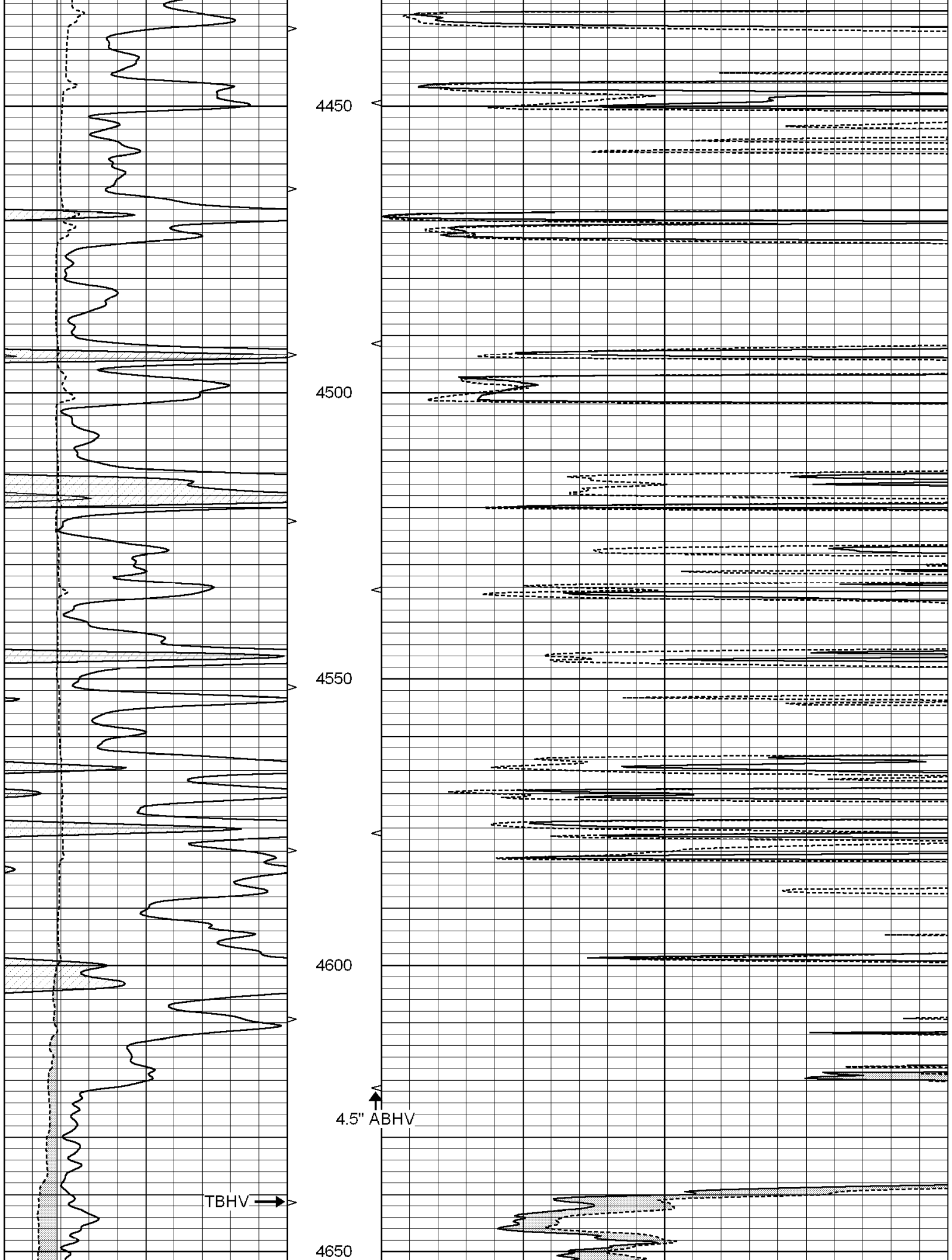
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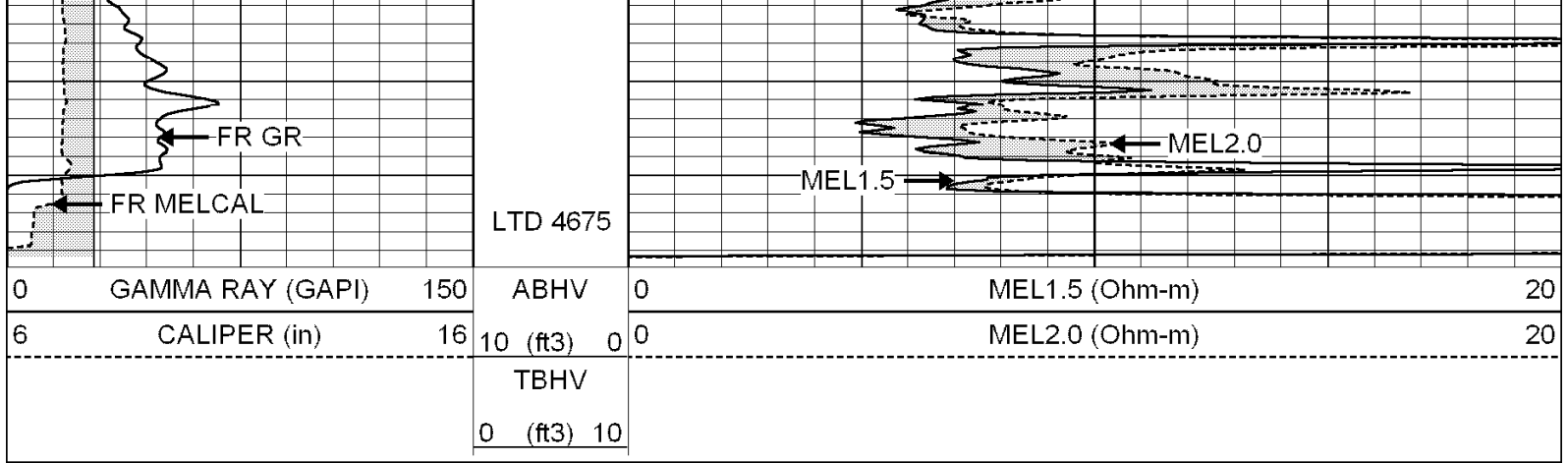
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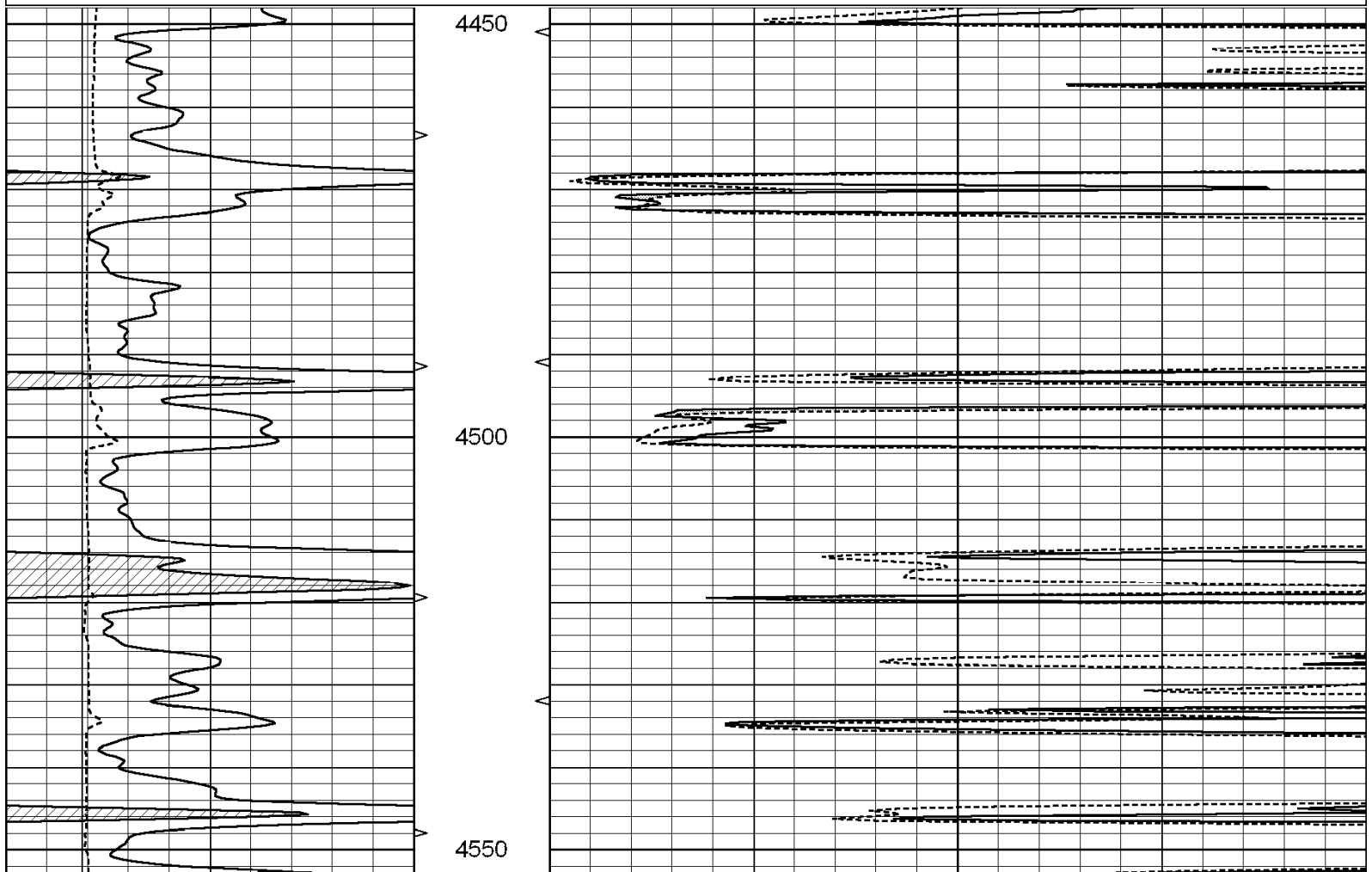


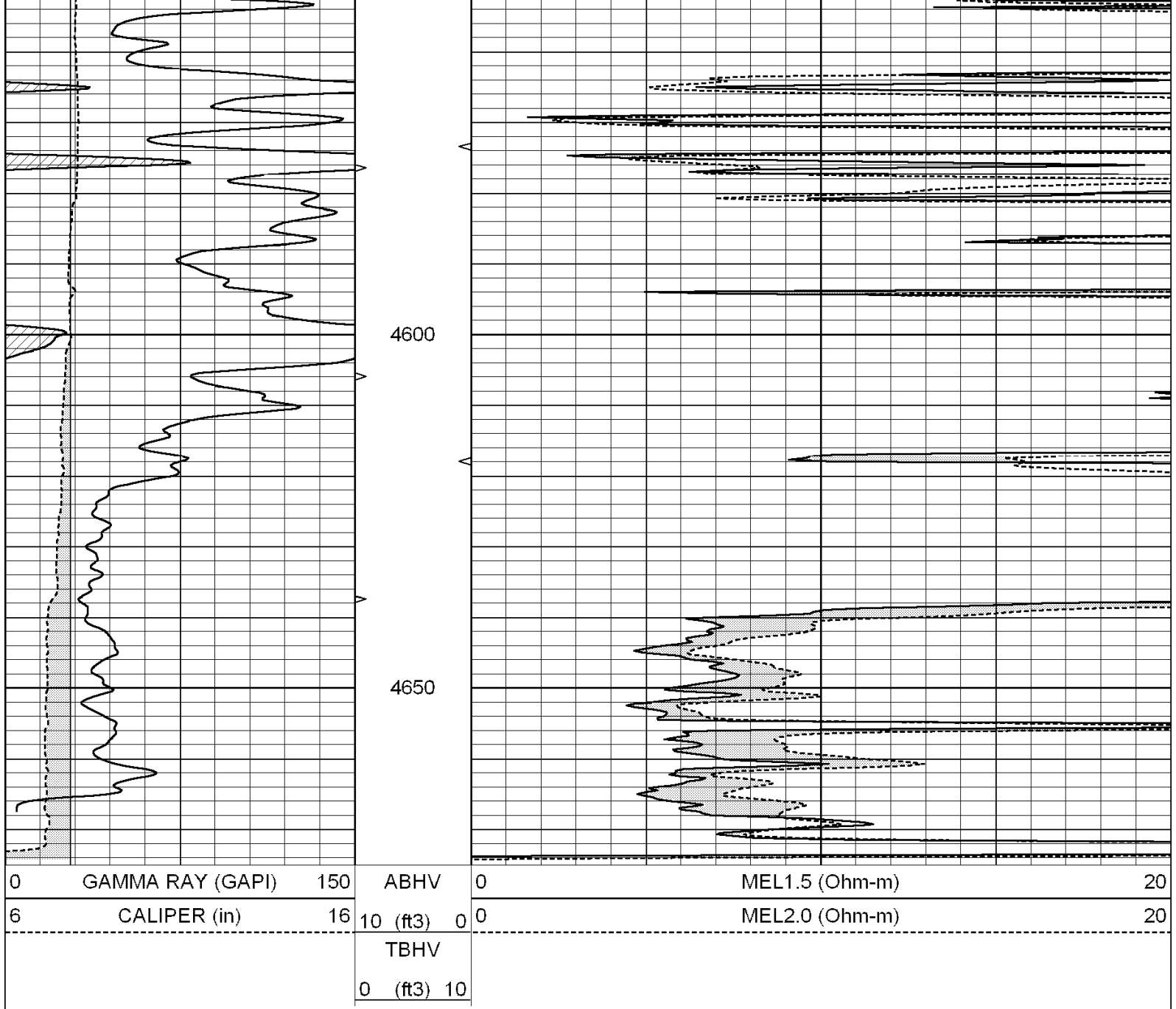
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REPEAT SECTION

Database File: 004376ddn.db
 Dataset Pathname: pass6.3
 Presentation Format: micro
 Dataset Creation: Sat Nov 28 18:27:58 2009 by Calc Open-Cased 060407
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	20
6	CALIPER (in)	16	10 (ft3) 0	0	MEL2.0 (Ohm-m)	20
			TBHV			
			0 (ft3) 10			





Calibration Report			
Database File:	004376ddn.db		
Dataset Pathname:	pass7.5		
Dataset Creation:	Sat Nov 28 18:52:46 2009 by Calc Open-Cased 060407		
MICRO Calibration Report			
Serial Number:	2		
Tool Model:	PROBE		
Performed:	Sat Nov 28 17:40:44 2009		
Caliper Calibration:	Gain=6.594	Offset=-0.022	
References	Low Cal	High Cal	
Readings	6.500	15.000	
	0.989	2.278	
1.5" Calibration:	Gain=36.000	Offset=-3.200	
References	Low Cal	High Cal	
Readings	0.000	20.000	
	0.060	1.186	

2" Calibration:	Gain=40.000	Offset=-3.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.011	0.926

Gamma Ray Calibration Report

Serial Number:	GR3	
Tool Model:	OPEN	
Performed:	Sat Nov 28 17:44:47 2009	
Calibrator Value:	200.0	GAPI
Background Reading:	3.0	cps
Calibrator Reading:	186.0	cps
Sensitivity:	1.0000	GAPI/cps