



SUPERIOR
Hays,
Kansas

MICRO
LOG

Company		ATLAS OPERATING, LLC	
Well		SANDERS-SCHMISSEUR #6	
Field		SPIVY-GRABS-BASIL	
County		HARPER	
State		KANSAS	
Location:		API # : 15-077-21785-0000 340 FNL & 1050 FEL SW - NW - NE - NE	
SEC 28 TWP 31S RGE 8W		Other Services CDL/CNL PE/DIL	
Permanent Datum	GROUND LEVEL	Elevation	1567
Log Measured From	KELLY BUSHING 10' A.G.L.	K.B. 1577 D.F. 1575 G.L. 1567	
Drilling Measured From	KELLY BUSHING		
Date	4/3/12		
Run Number	ONE		
Depth Driller	5020		
Depth Logger	5020		
Bottom Logged Interval	4996		
Top Log Interval	3500		
Casing Driller	8 5/8" @ 267		
Casing Logger	267		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4500 PPM	
Density / Viscosity	9.4/55		
pH / Fluid Loss	9.5/9.6		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.85 @ 94F		
Rmf @ Meas. Temp	.64 @ 94F		
Rmc @ Meas. Temp	1.02 @ 94F		
Source of Rmf / Rmc	MEASURED		
Rin @ BHT	.64 @ 125F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	125F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JEFF GRONEMEG		
Witnessed By	PAT DEENIHAN	SAMON SHARIFAE	

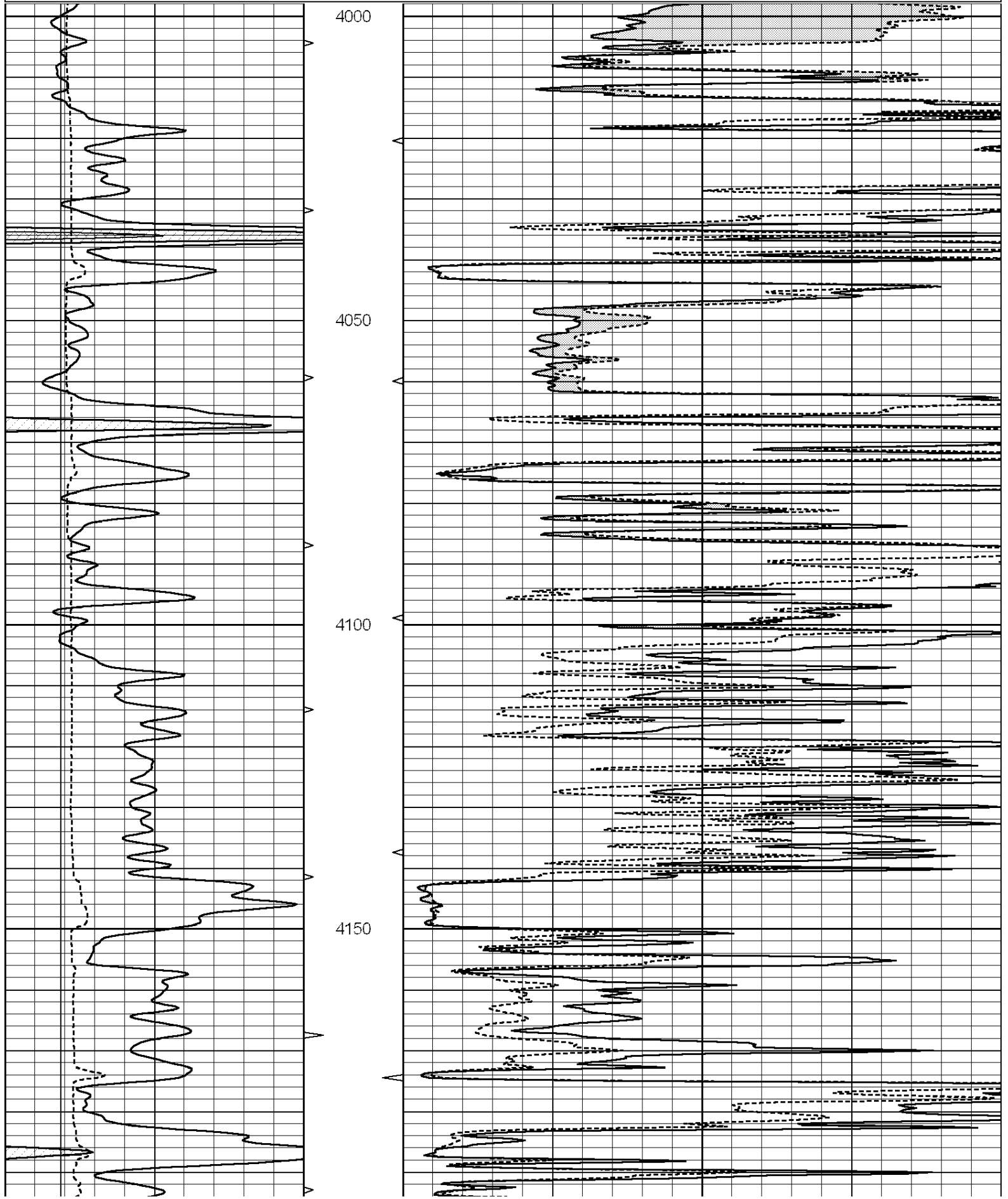
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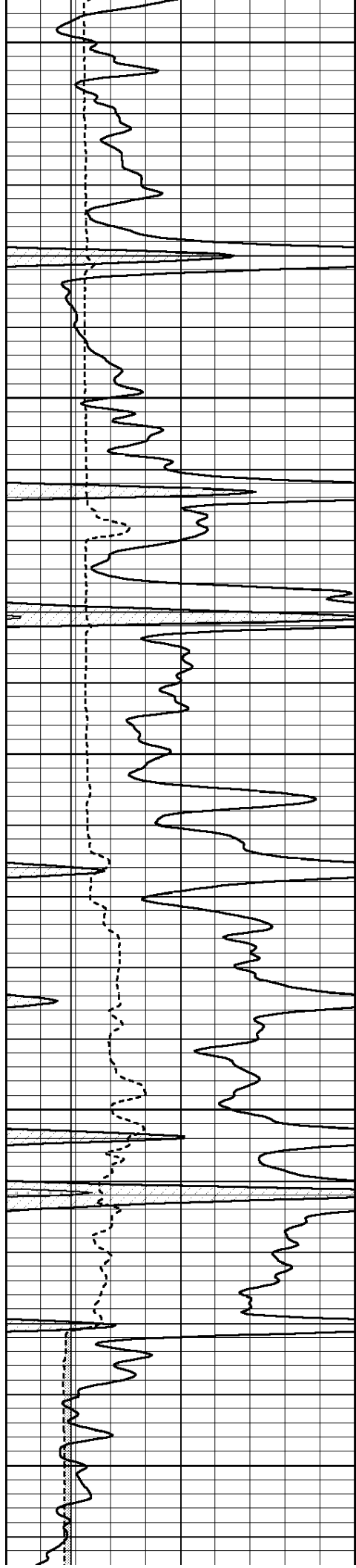
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 (785) 628-6395
DIRECTIONS
ZENDA, KS - 4 MILES EAST TO RD 50 - SOUTH TO SPIVEY GAS PLANT
2 MILES SOUTH TO RD 130 - 2 MILES EAST TO RD 80
1/2 MILE SOUTH WEST INTO

Charted by:		Depth in Feet scaled 1:2.15				
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)	10		





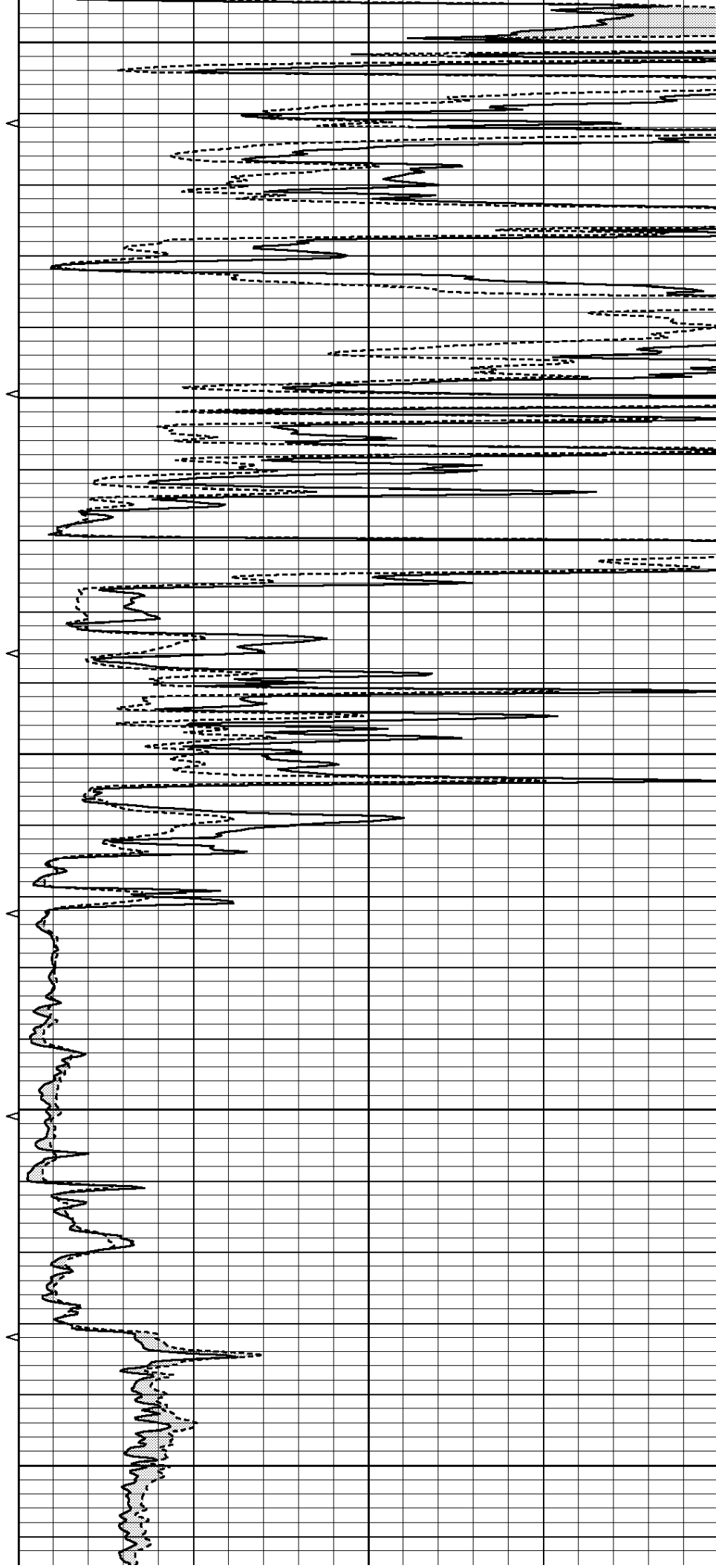
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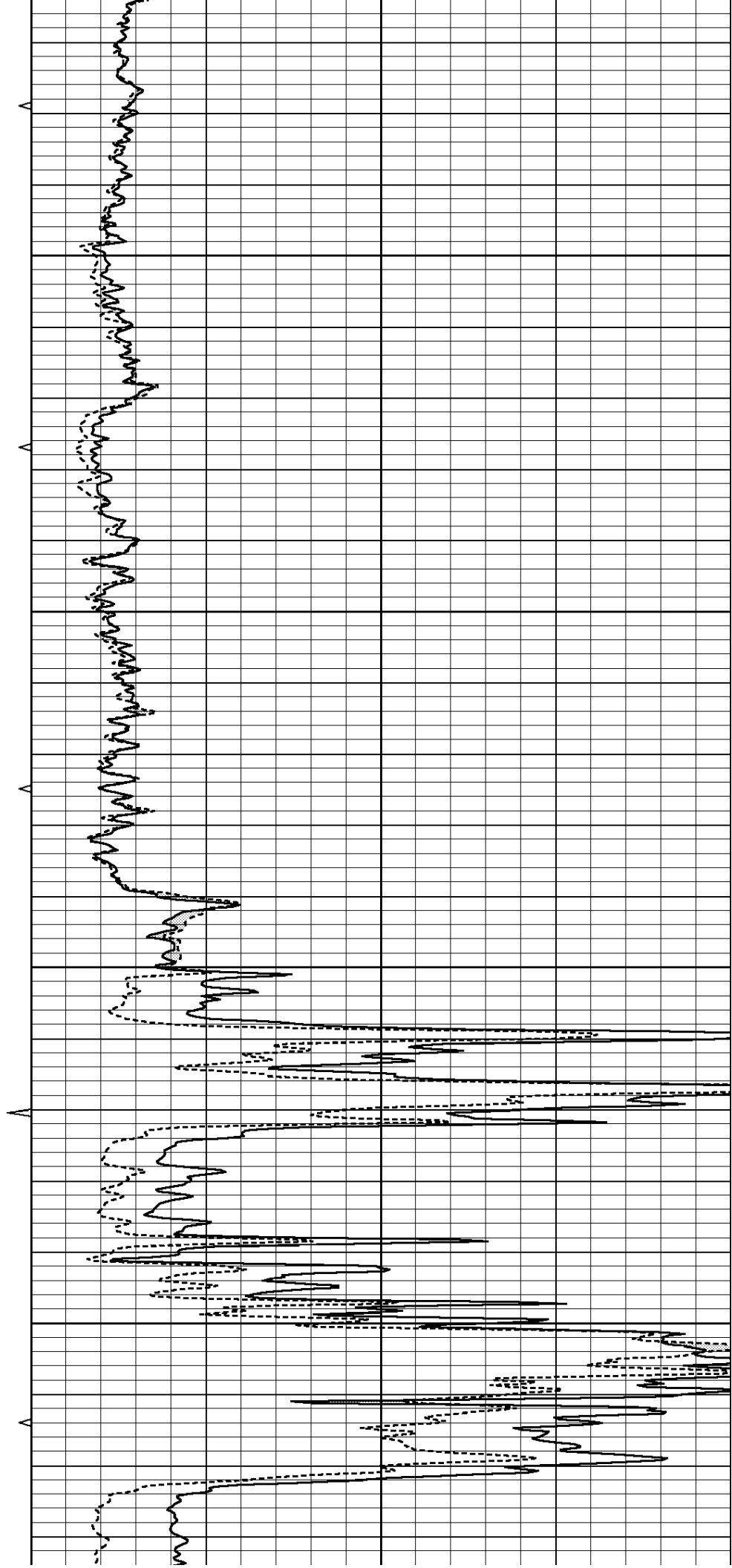
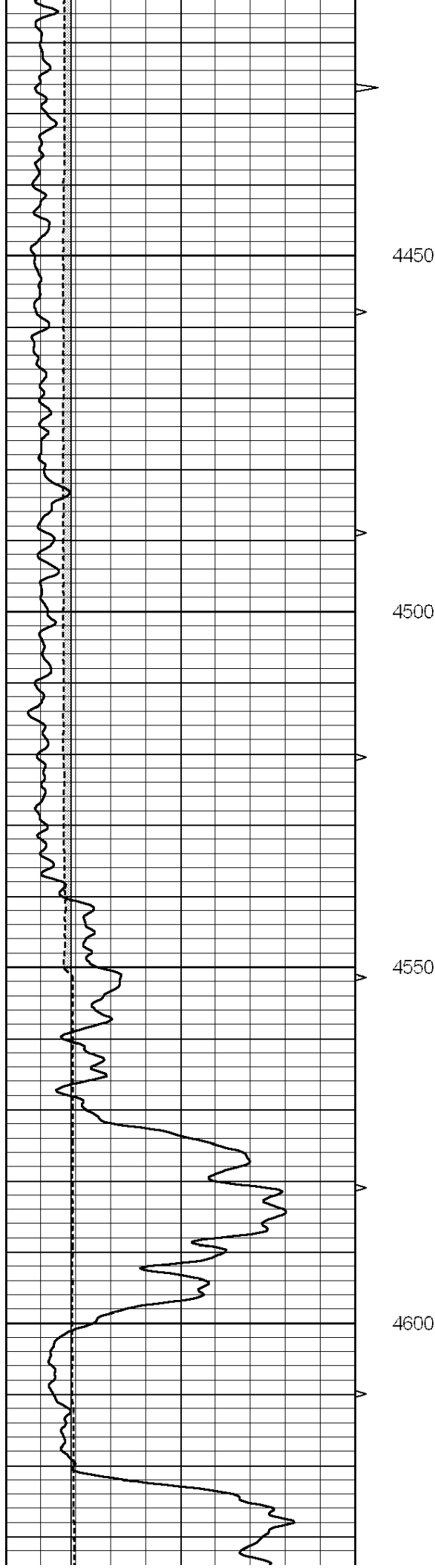
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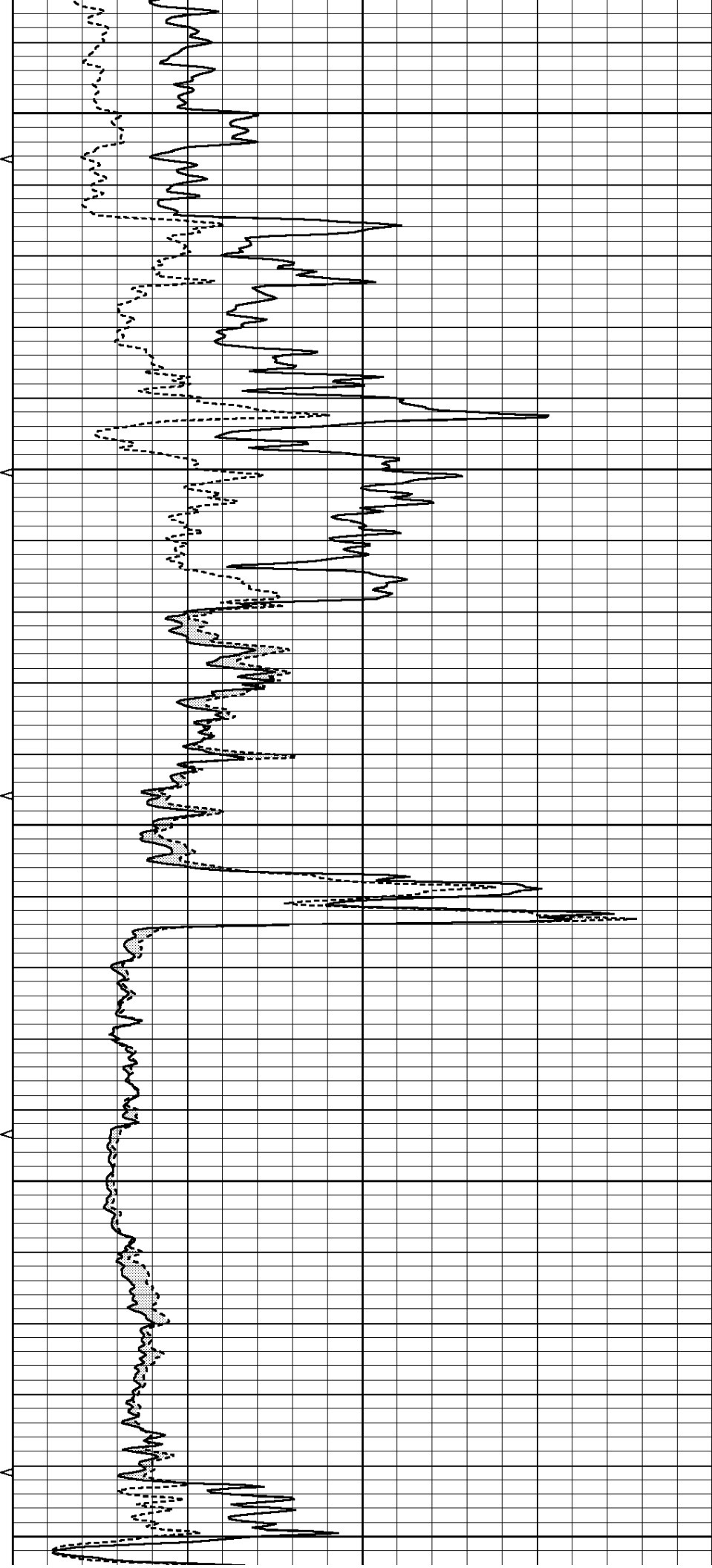
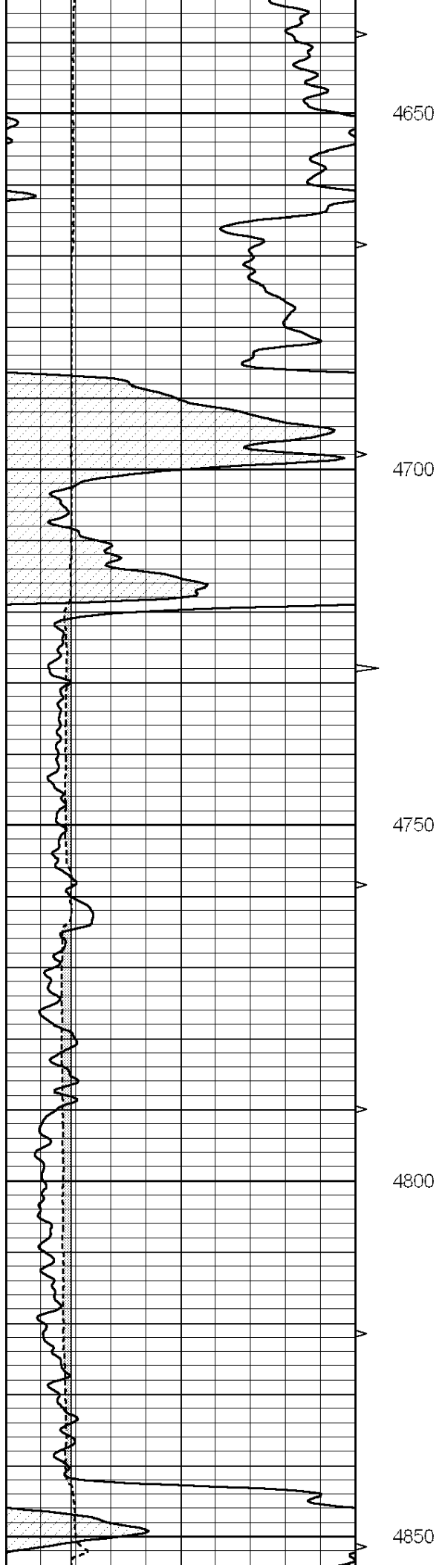
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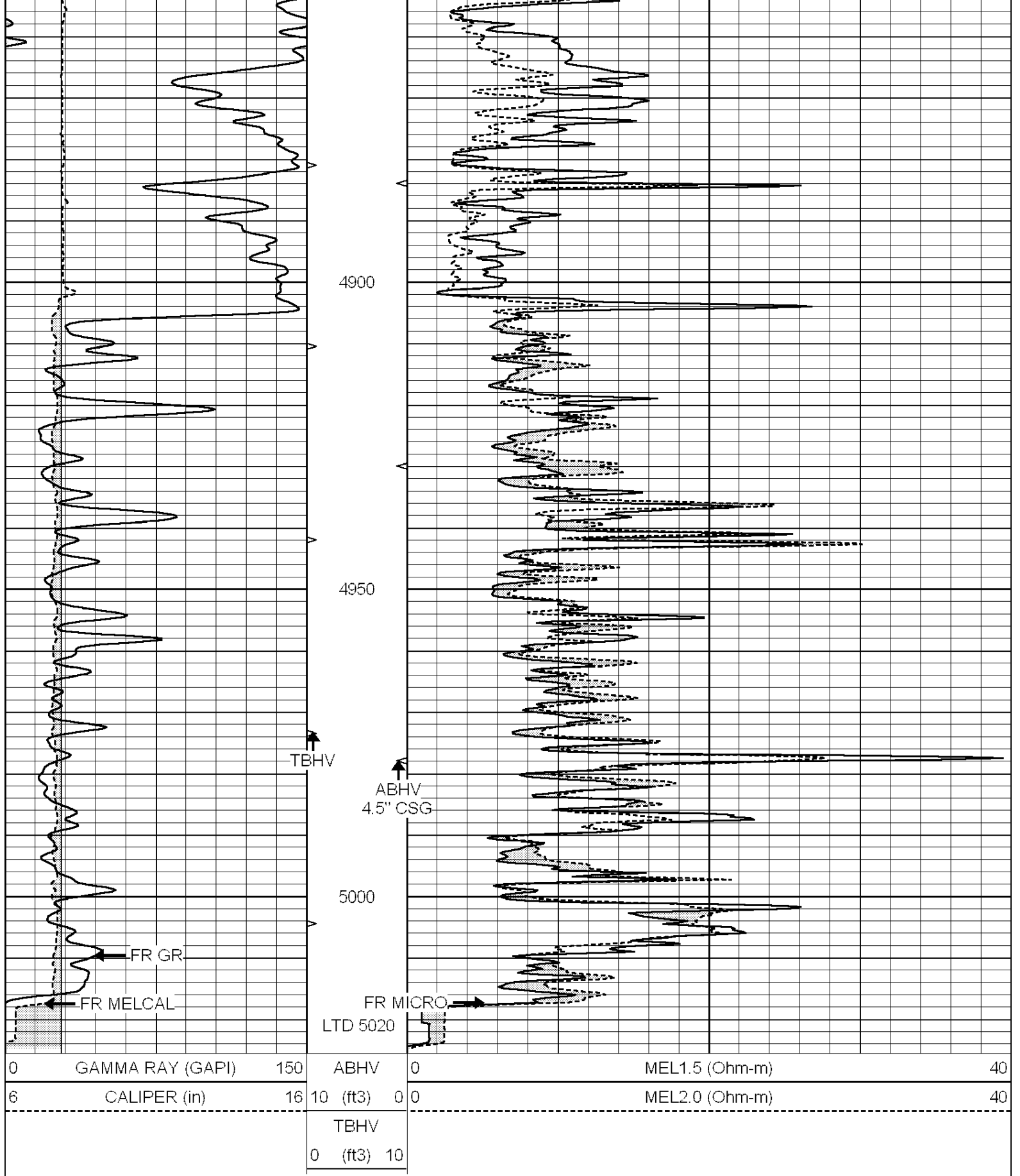
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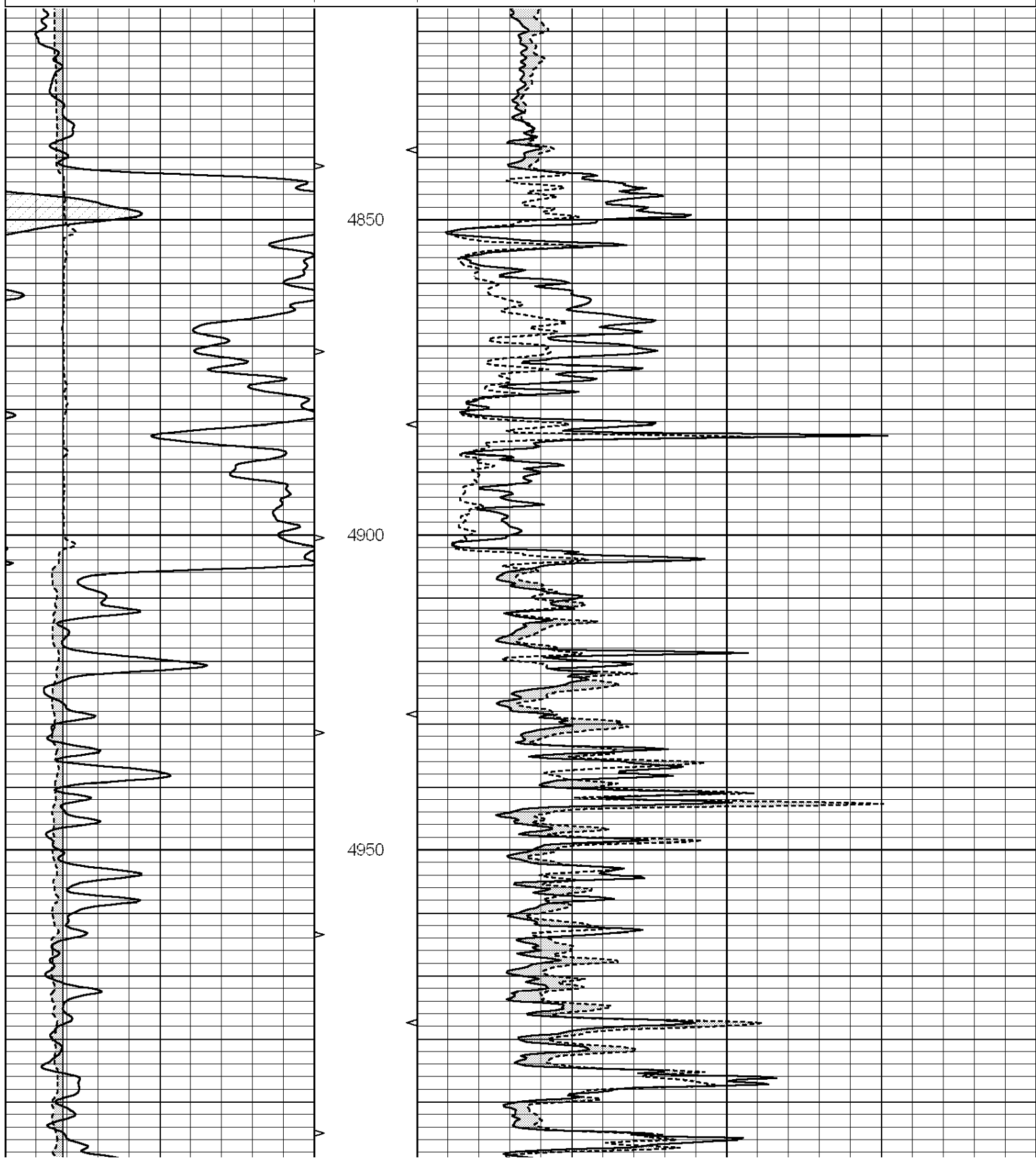


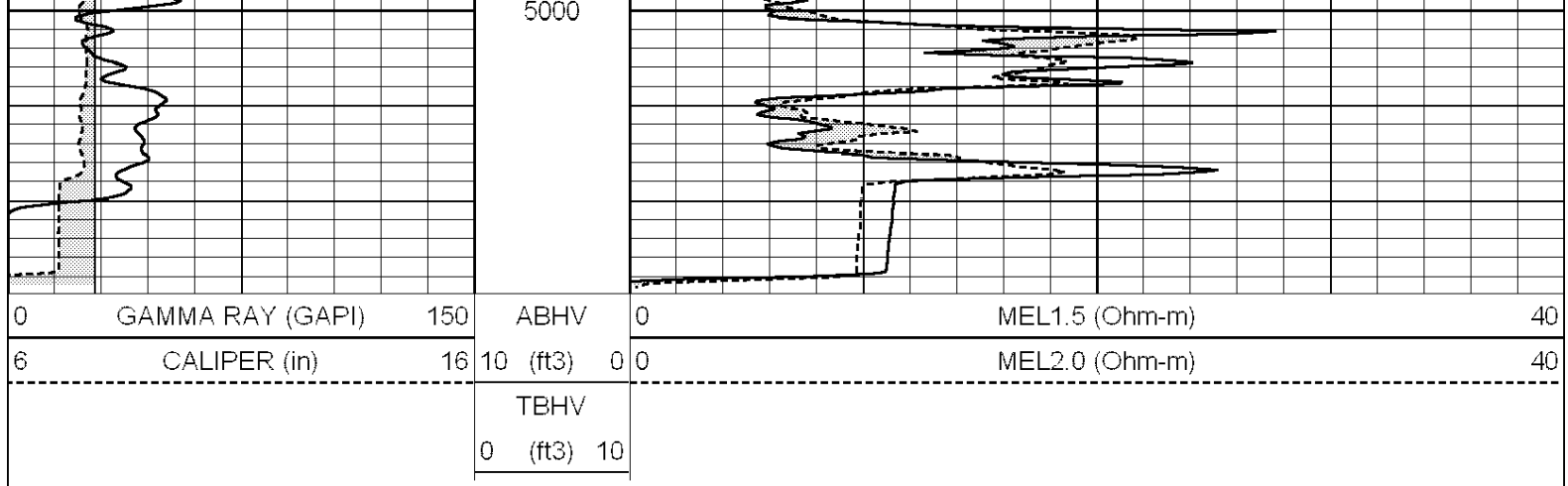
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REPEAT SECTION

Database File: 008834pe.db
Dataset Pathname: pass4.1
Presentation Format: _micro
Dataset Creation: Tue Apr 03 18:27:38 2012 by Calc Open-Cased 090629
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	0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3) 10			





Calibration Report

Database File: 008834pe.db
 Dataset Pathname: pass5
 Dataset Creation: Tue Apr 03 18:29:11 2012 by Log Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO6	
Tool Model:	PROBE	
Performed:	Sat Mar 24 05:25:46 2012	
Caliper Calibration:	Gain=6.253	Offset=-1.268
	Low Cal	High Cal
References	5.800	13.000
Readings	1.178	2.330
1.5" Calibration:	Gain=30.075	Offset=-0.700
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196
2" Calibration:	Gain=27.041	Offset=0.300
	Low Cal	High Cal
References	0.000	20.000
Readings	0.006	0.913

Gamma Ray Calibration Report

Serial Number:	#8	
Tool Model:	OPEN	
Performed:	Mon Jun 13 16:56:43 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8371	GAPI/cps