



SUPERIOR
Hays,
Kansas

MICRO LOG

Company		MULL DRILLING COMPANY, INC.	
Well	BOWIE #1-14		
Field	WILDCAT		
County	HODGEMAN	State	KANSAS
Location:	API # : 15-083-21702-0000		Other Services CDL/CNL DIL/SON
361' FNL & 970' FWL			
SEC 14 TWP 21S RGE 22W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	2194
Log Measured From	KELLY BUSHING 5' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Date	5/19/11		
Run Number	TWO		
Depth Driller	4500		
Depth Logger	4500		
Bottom Logged Interval	4482		
Top Log Interval	3600		
Casing Driller	8 5/8" @ 228		
Casing Logger	228		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 22000 PPM	
Density / Viscosity	9.9/50		
pH / Fluid Loss	7.0/6.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.22 @ 91F		
Rmf @ Meas. Temp	.16 @ 91F		
Rmc @ Meas. Temp	.26 @ 91F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.16 @ 120F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	120F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	MACKLIN ARMSTRONG		

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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
HANSTON KS. - HWY 156 & RD 228 - 7 N. - 1/4 E. - S. INTO

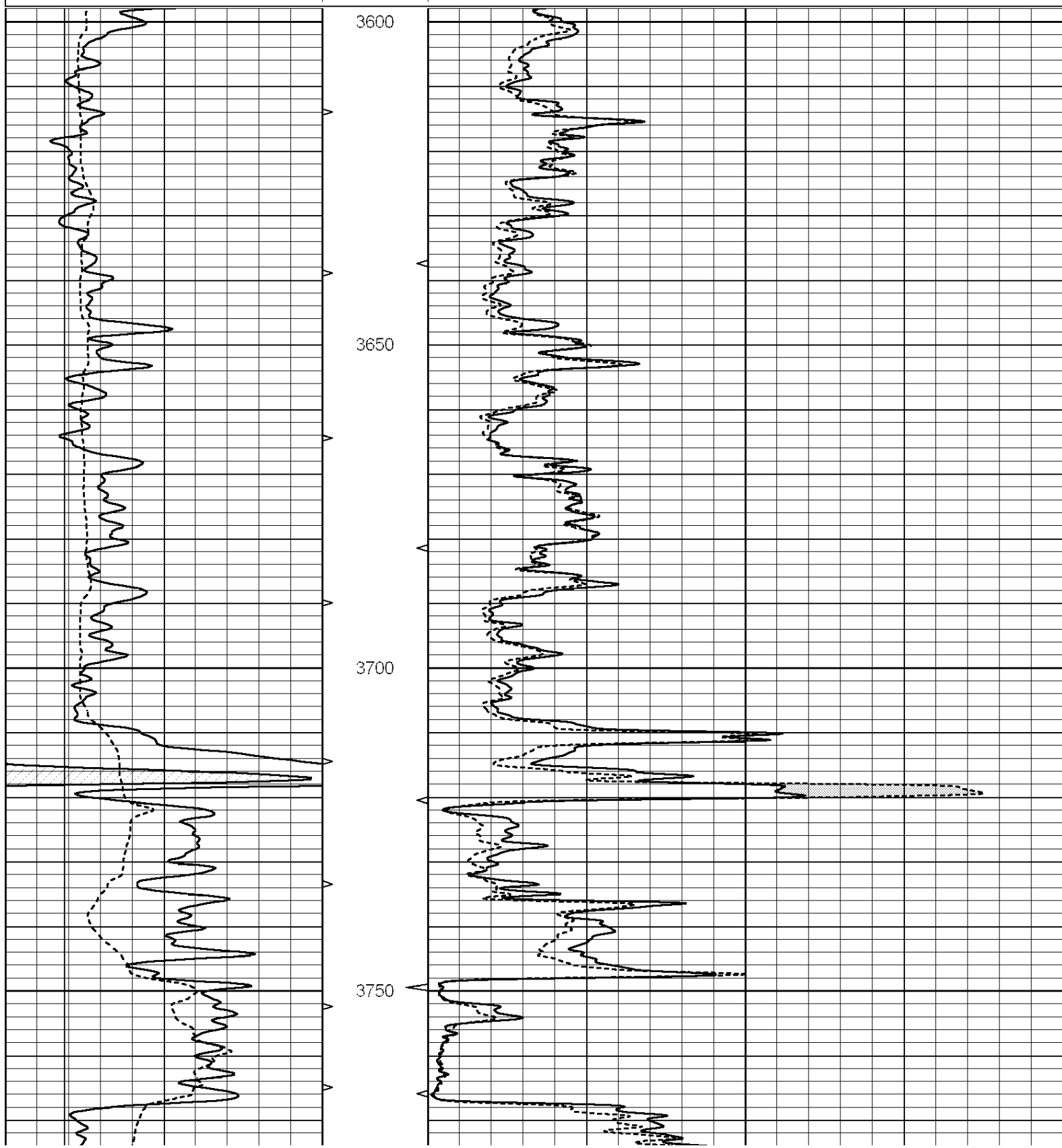


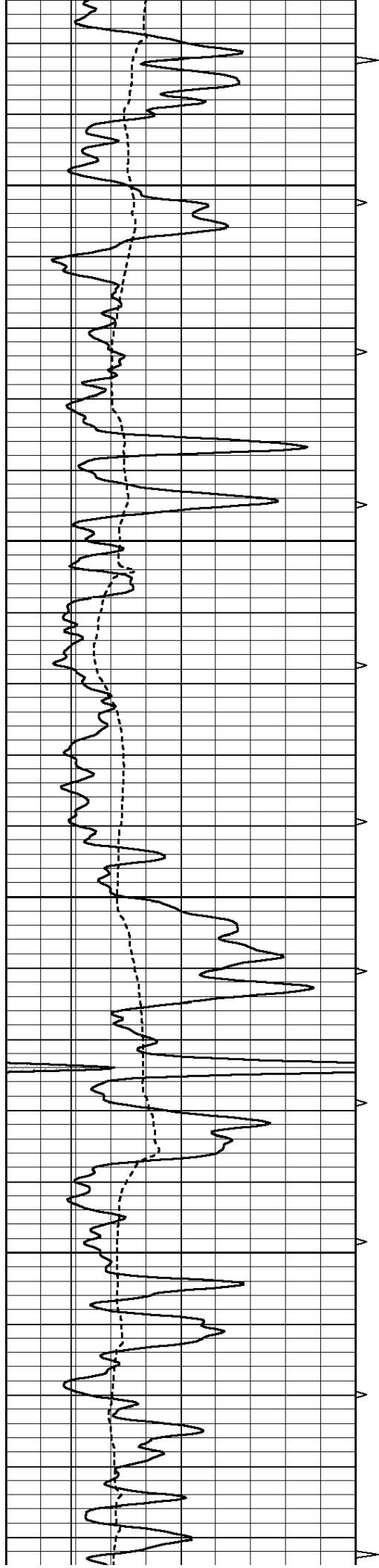
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MAIN SECTION

Database File: 007065ddn.db
 Dataset Pathname: pass6.2
 Presentation Format: _micro
 Dataset Creation: Thu May 19 20:43:11 2011 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	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)	10		



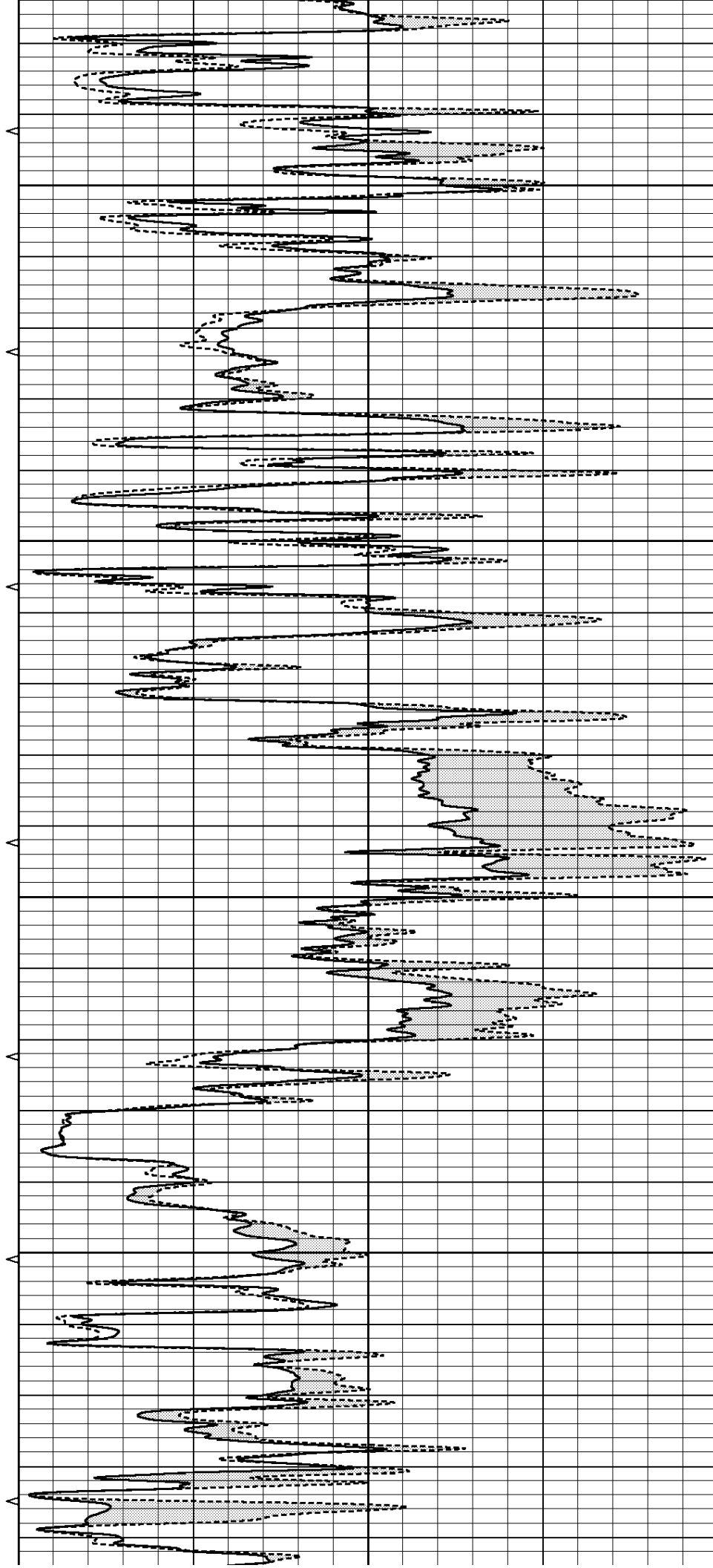


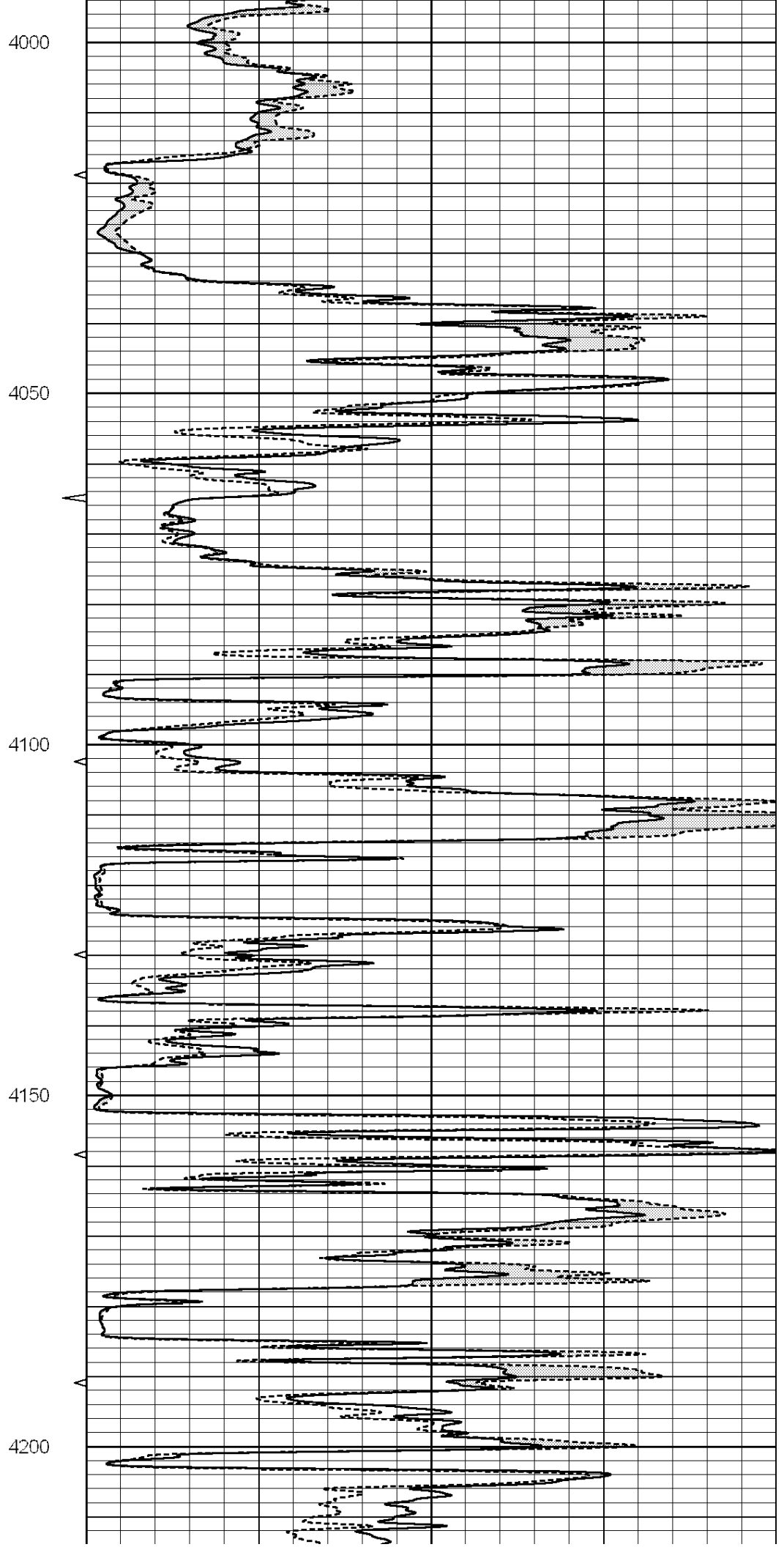
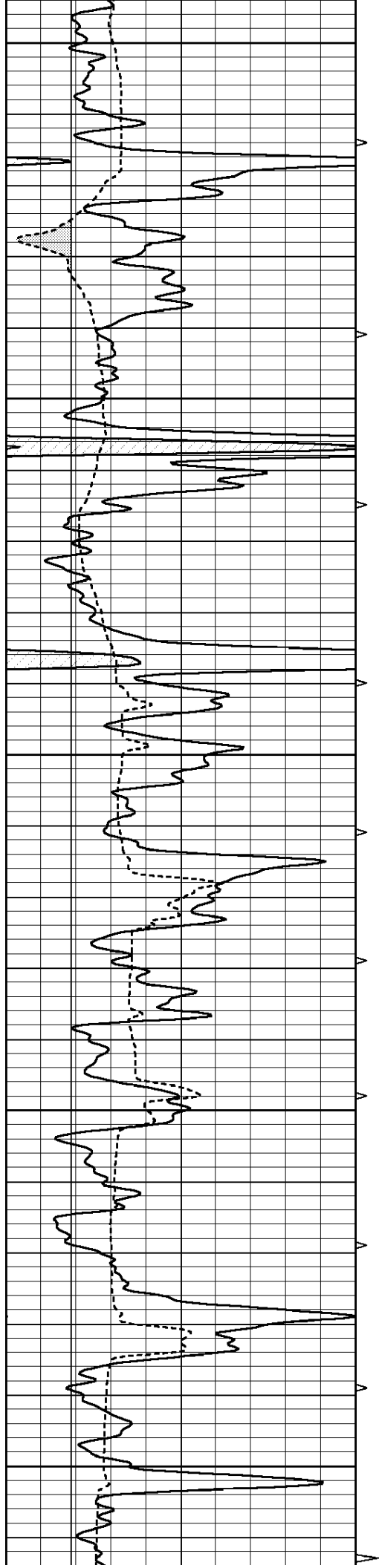
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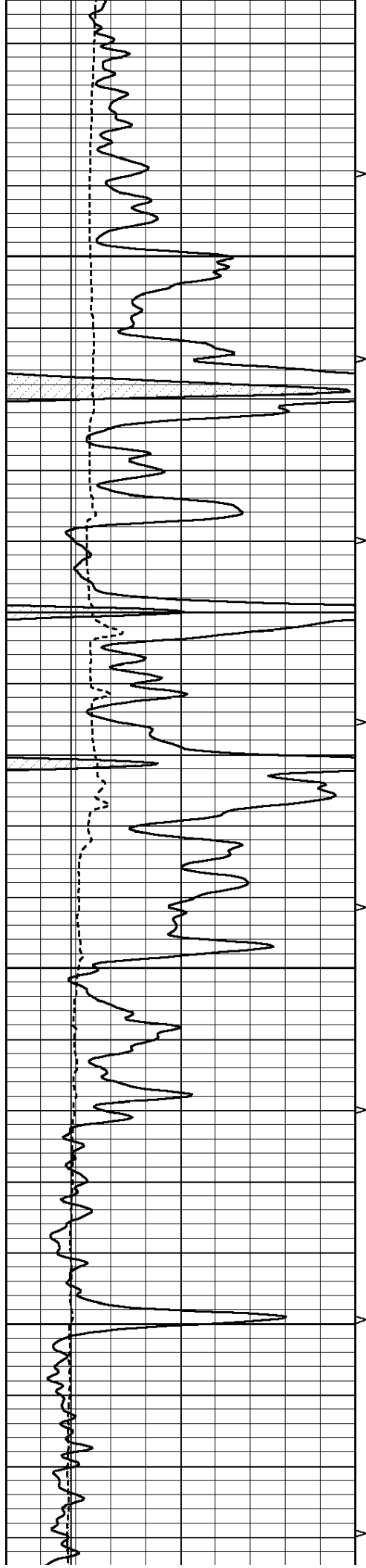
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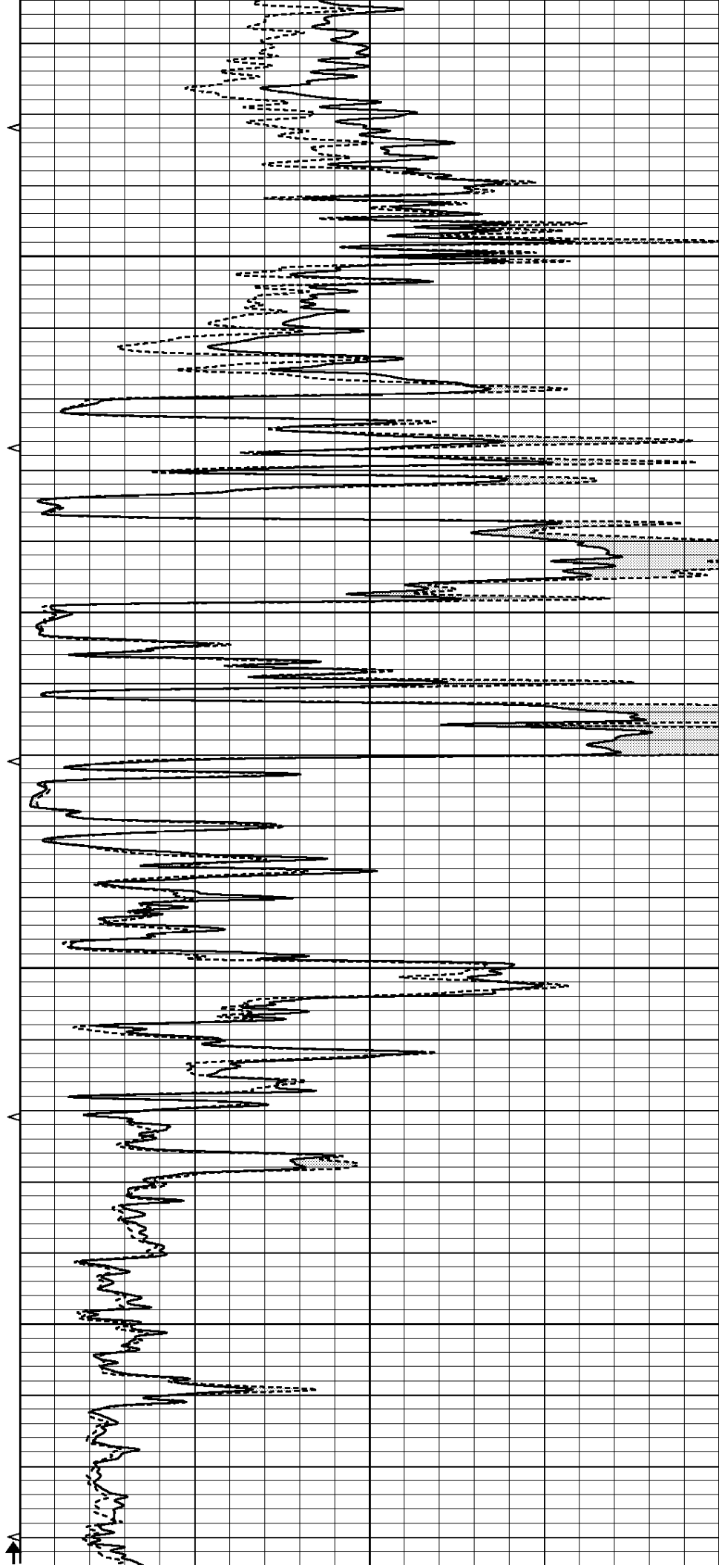


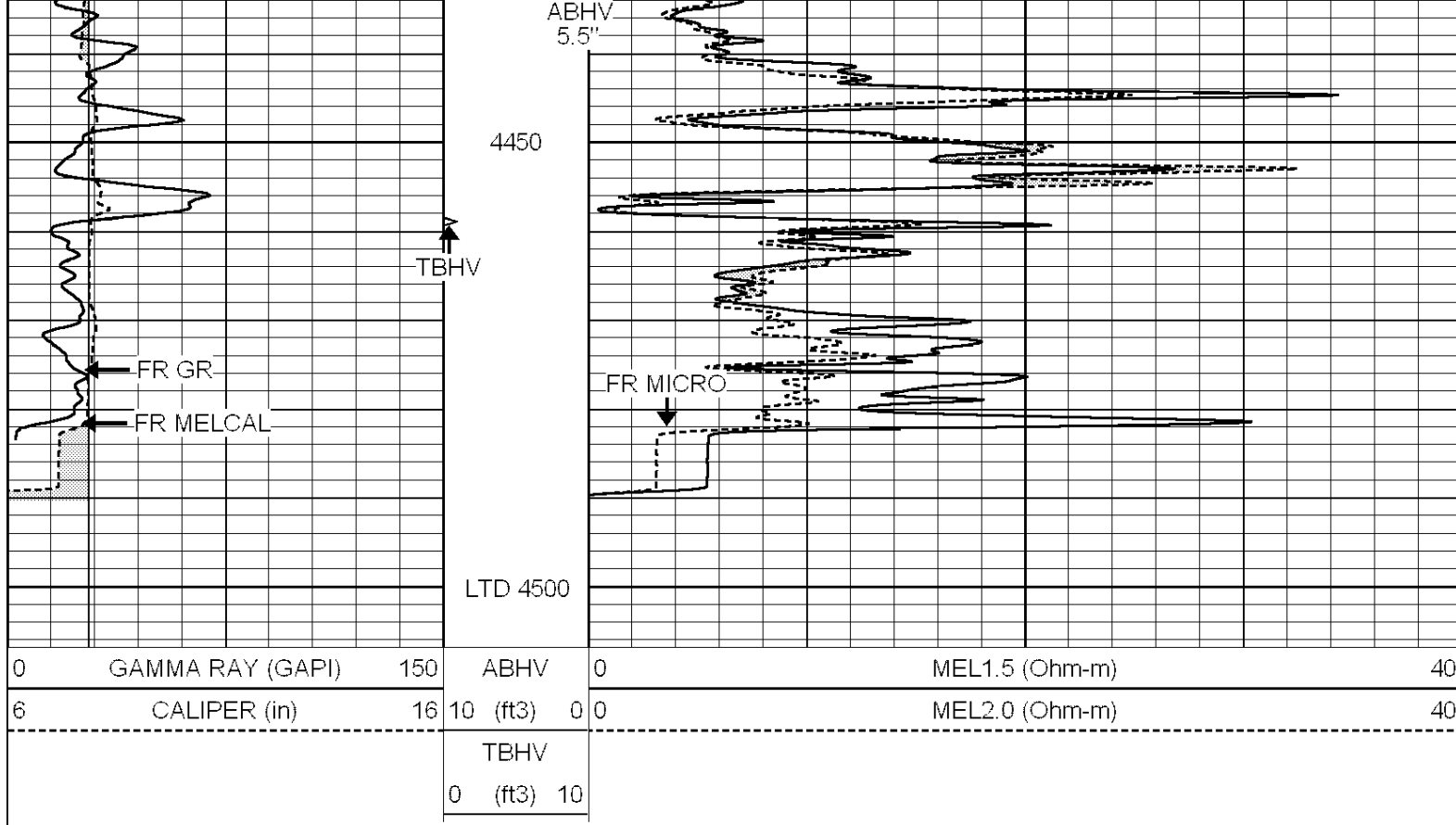
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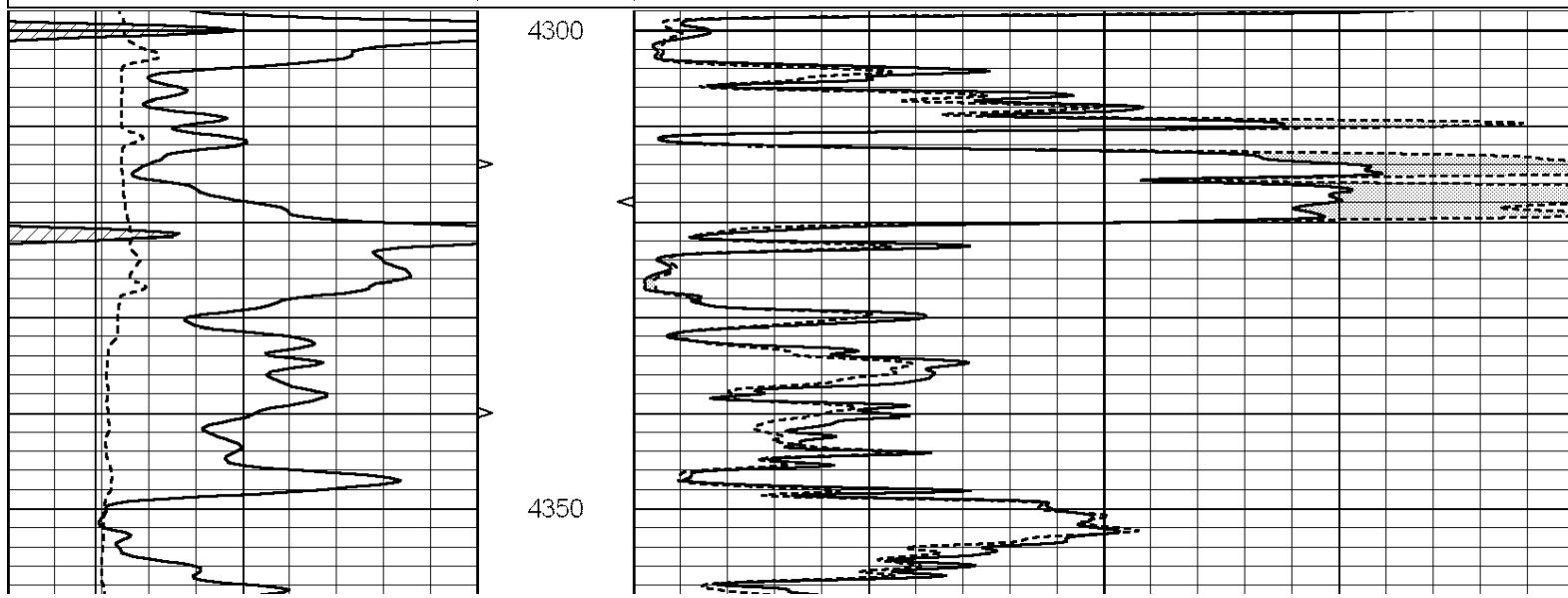


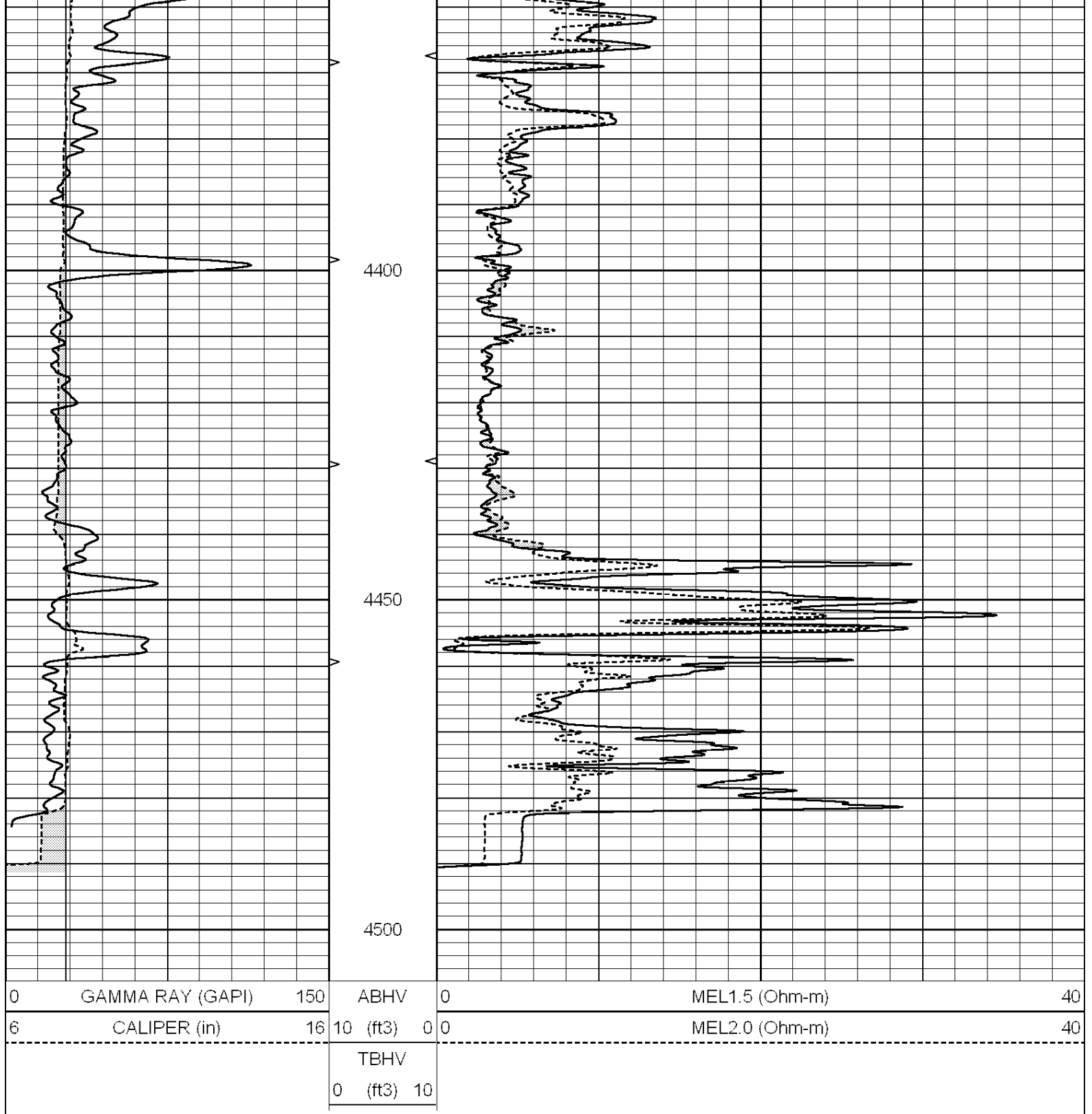
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REPEAT SECTION

Database File: 007065ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: _micro
 Dataset Creation: Thu May 19 20:34:52 2011 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	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 007065ddn.db
Dataset Pathname: pass6.2
Dataset Creation: Thu May 19 20:43:11 2011 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6
Tool Model: PROBE
Performed: Wed May 18 06:15:56 2011

Caliper Calibration: Gain=5.211 Offset=0.460

Low Cal

High Cal

References	8.000	14.000
Readings	1.178	2.330
1.5" Calibration:	Gain=35.075	Offset=-0.450
References	Low Cal	High Cal
	0.000	20.000
Readings	0.004	1.196
2" Calibration:	Gain=50.041	Offset=-0.600
References	Low Cal	High Cal
	0.000	20.000
Readings	0.006	0.913
Gamma Ray Calibration Report		
Serial Number:	#8	
Tool Model:	OPEN	
Performed:	Sun Apr 10 22:50:36 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8971	GAPI/cps