



SUPERIOR
Hays,
Kansas

MICRO LOG

Company	MID - CONTINENT ENERGY	Company	MID - CONTINENT ENERGY OPERATING CO.
Well	#1-16 HUTCHINS	Well	#1-16 HUTCHINS
Field	WILDCAT	Field	WILDCAT
County	LANE	County	LANE
State	KANSAS	State	KANSAS
Location:	API # : 15-101-22186-0000	Other Services CDL/CNL DIL	
	1400' FSL & 2145' FEL		
	SEC 16 TWP 19S RGE 29W		
Permanent Datum	GROUND LEVEL	Elevation	2837
Log Measured From	KELLY BUSHING 5' A.G.L.	K.B. 2842 D.F. 2840 G.L. 2837	
Drilling Measured From	KELLY BUSHING		
Date	8/31/09		
Run Number	TWO		
Depth Driller	4710		
Depth Logger	4712		
Bottom Logged Interval	4710		
Top Log Interval	3600		
Casing Driller	8 5/8"@306'		
Casing Logger	306		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2,400 PPM	
Density / Viscosity	9.2/54		
pH / Fluid Loss	9.0/9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.40@83F		
Rmf @ Meas. Temp	1.05@83F		
Rmc @ Meas. Temp	1.68@83F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.952@122F		
Time Circulation Stopped	5 HOURS		
Time Logger on Bottom	1:30 A.M.		
Maximum Recorded Temperature	122F		
Equipment Number	0836		
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 SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
DIGHTON, KS. (4 WAY STOP) 6 S. ON HWY 23 TO RD. "90", 3 1/2 W., N. INTO

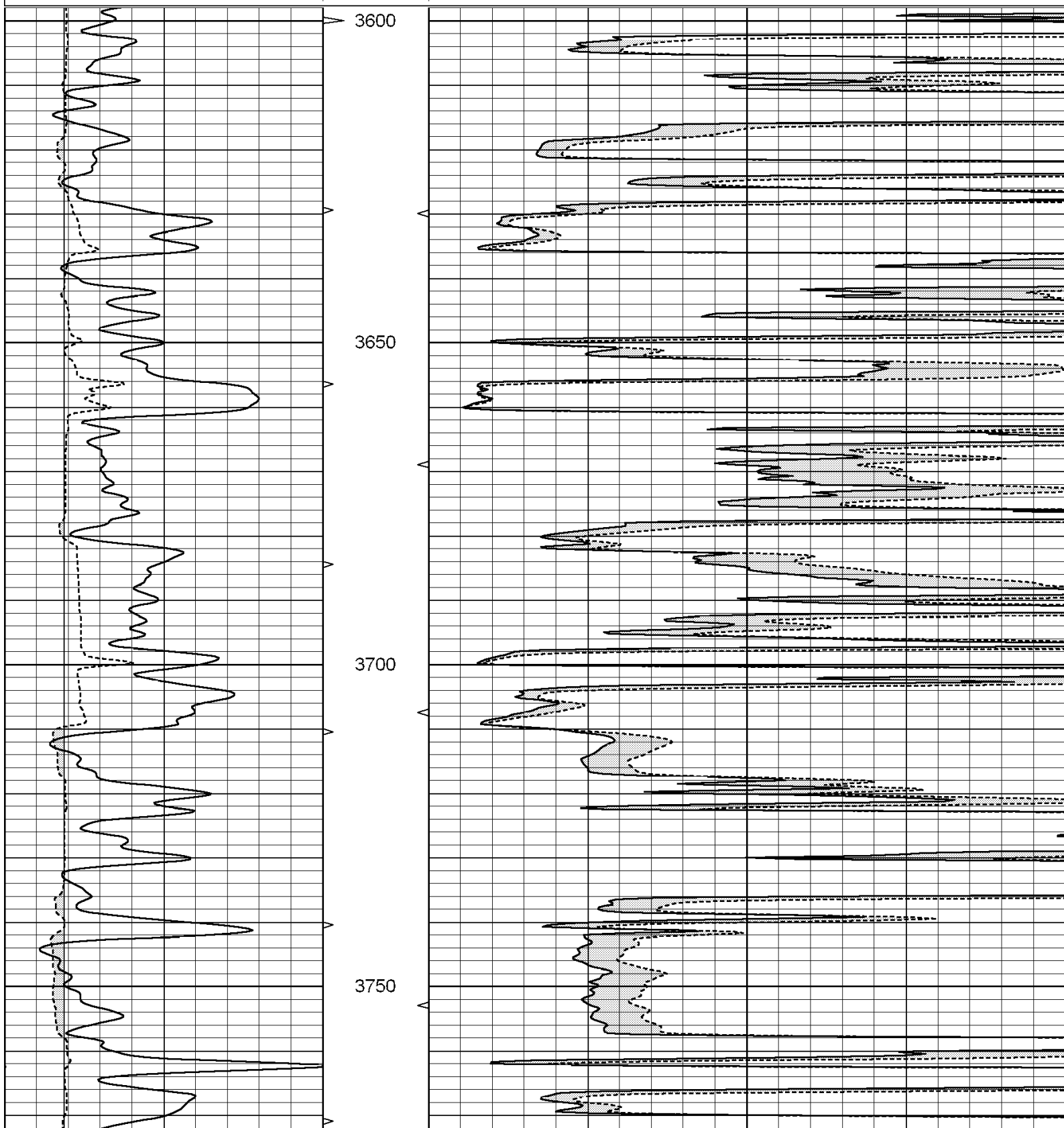


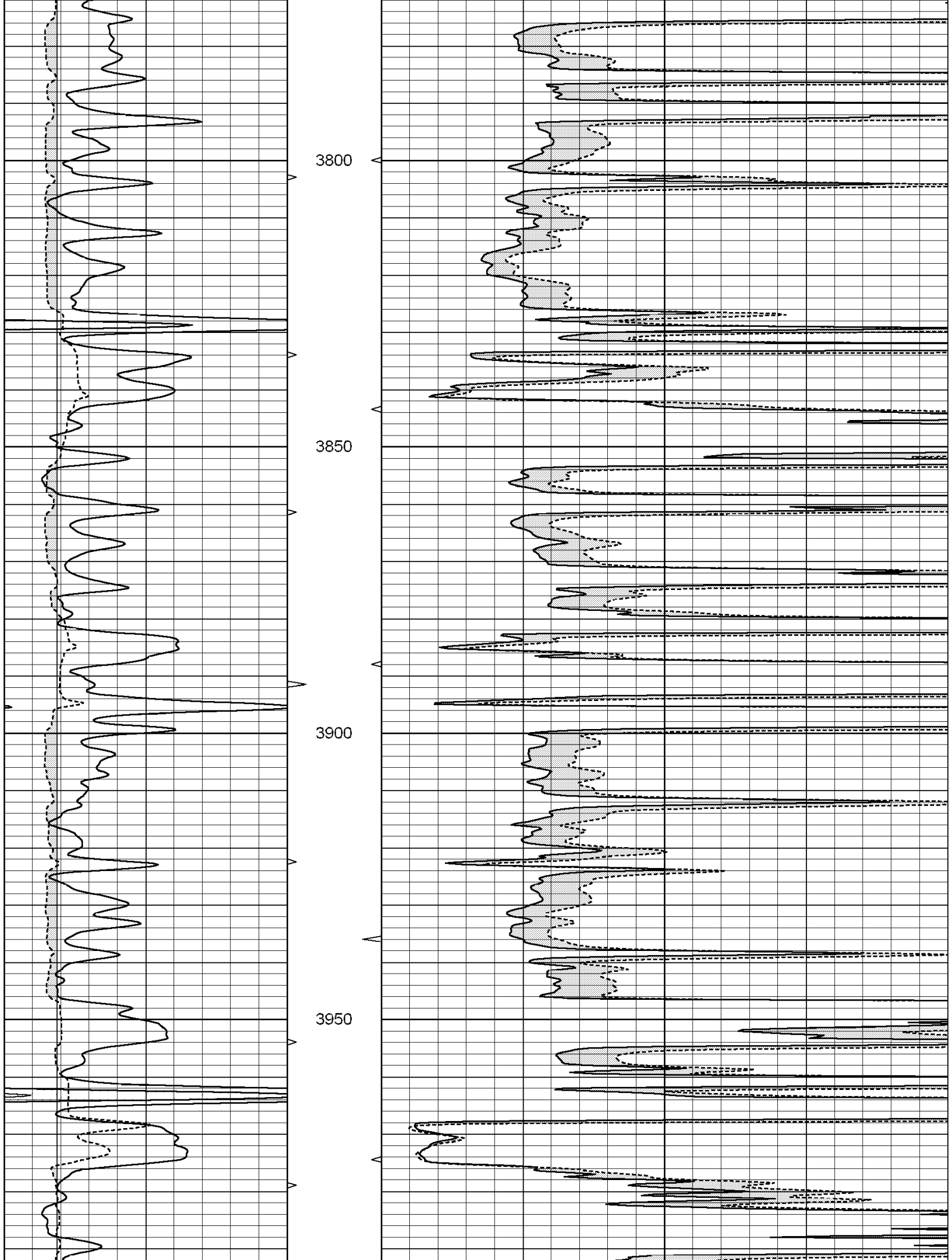
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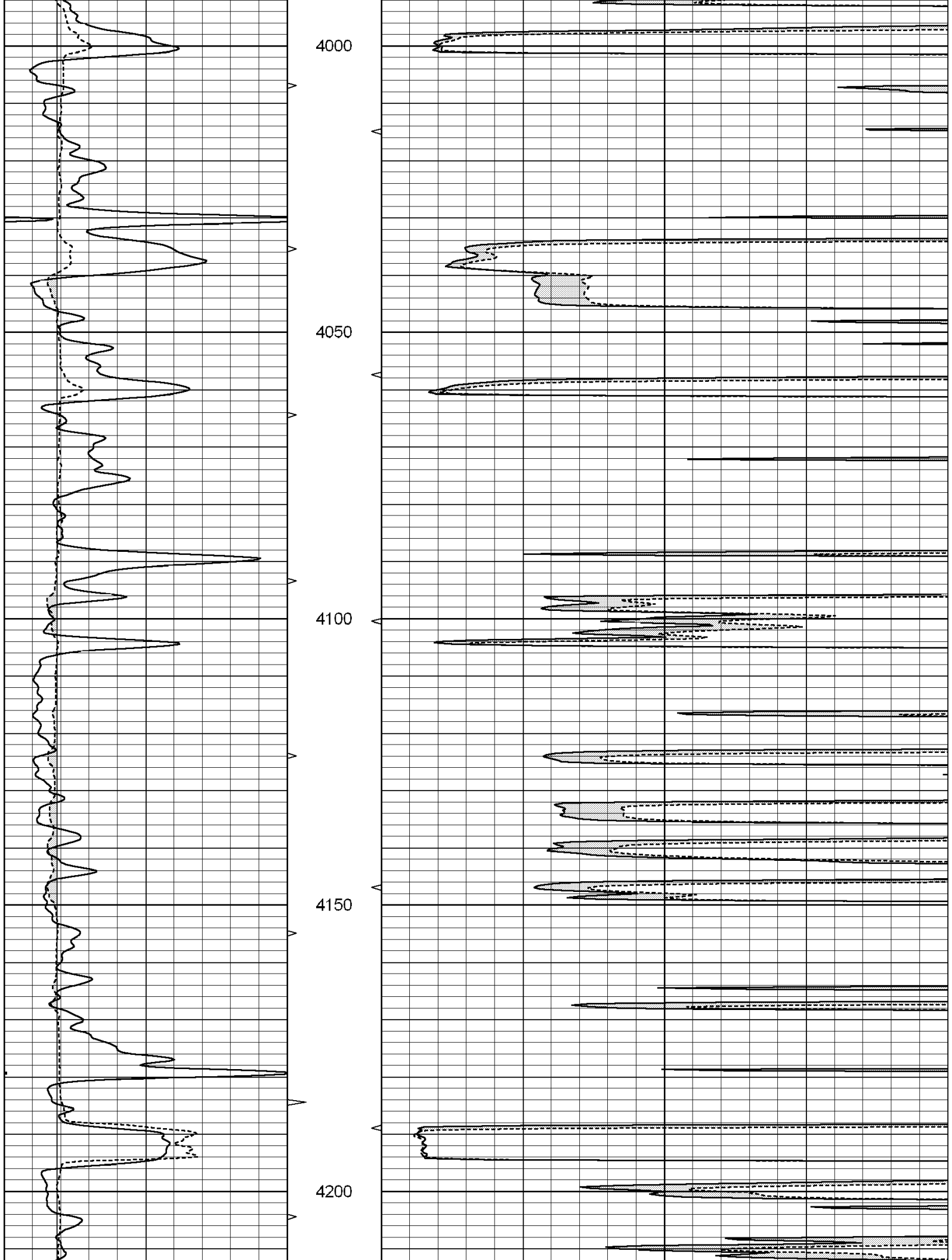
MAIN SECTION

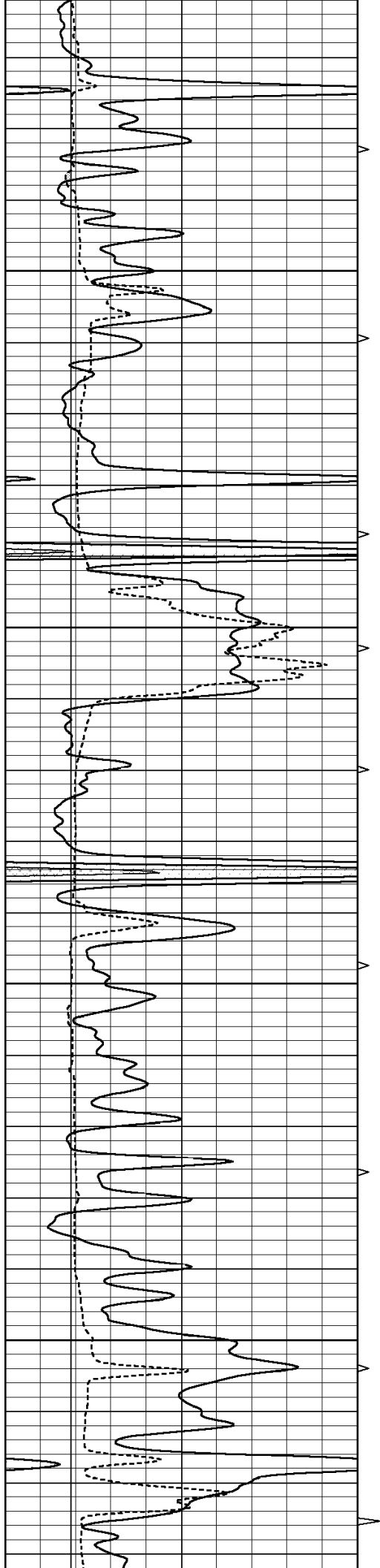
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Dataset Pathname: pass6.1
Presentation Format: micro
Dataset Creation: Mon Aug 31 04:41:17 2009 by Calc Open-Cased 060407
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3) 0	0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3) 10			







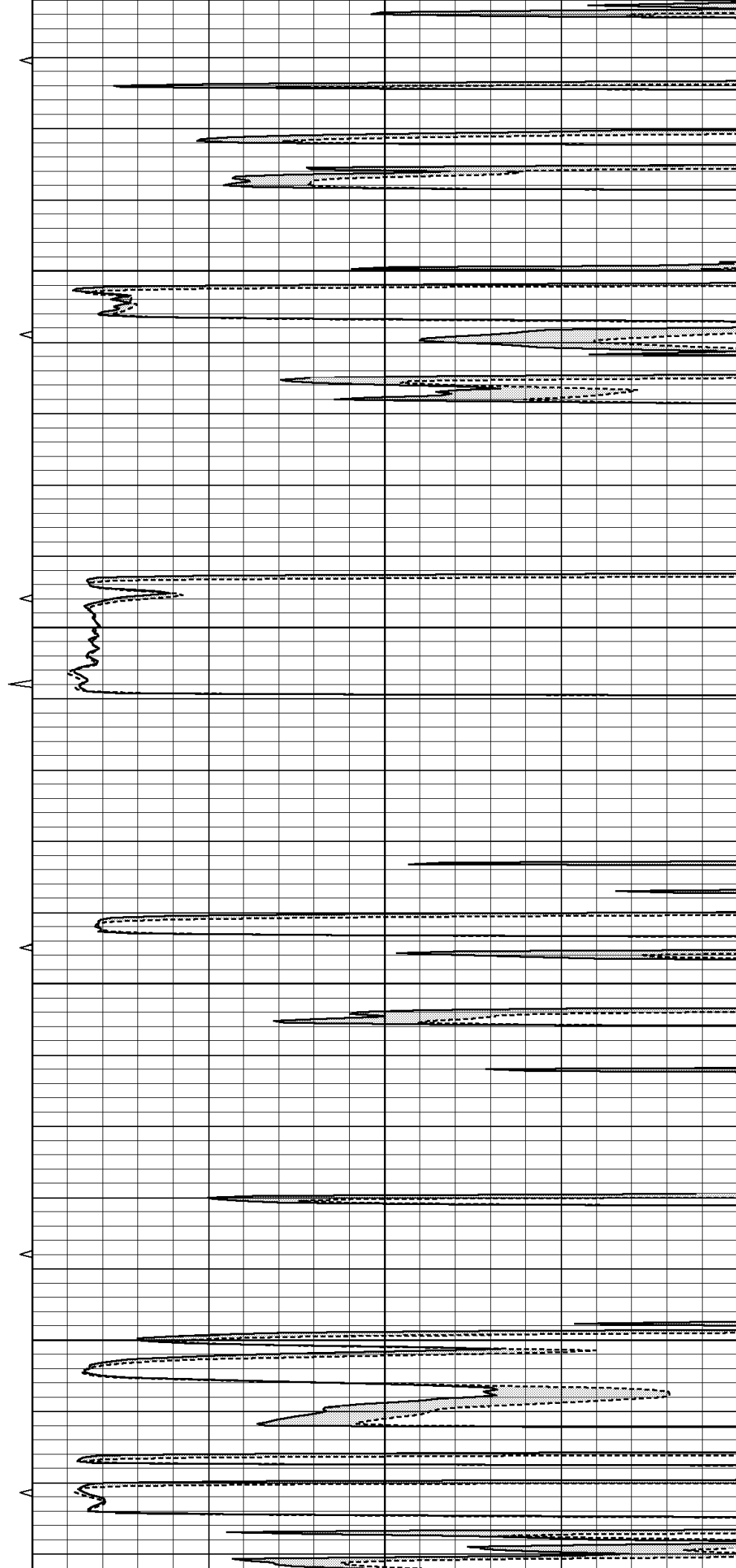


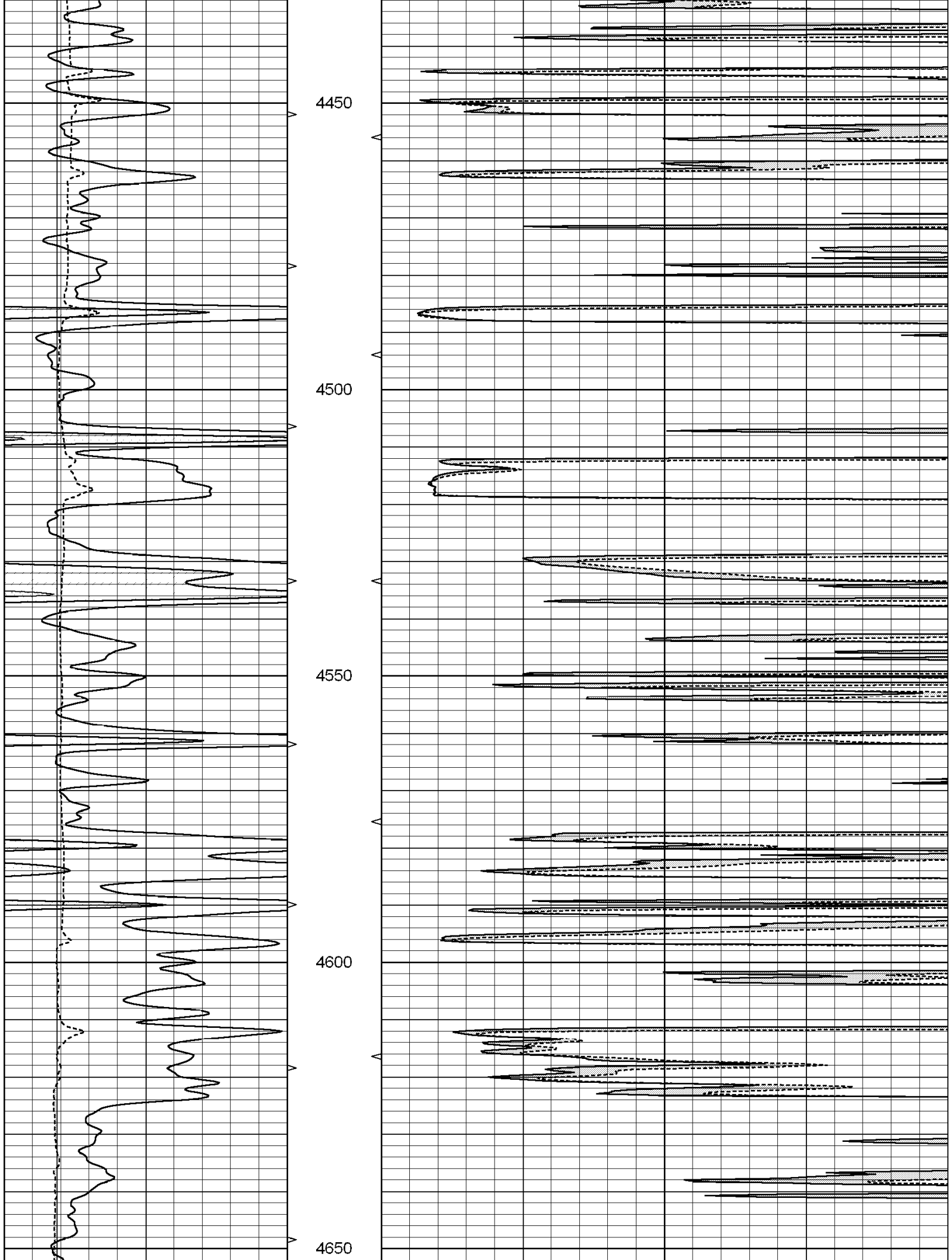
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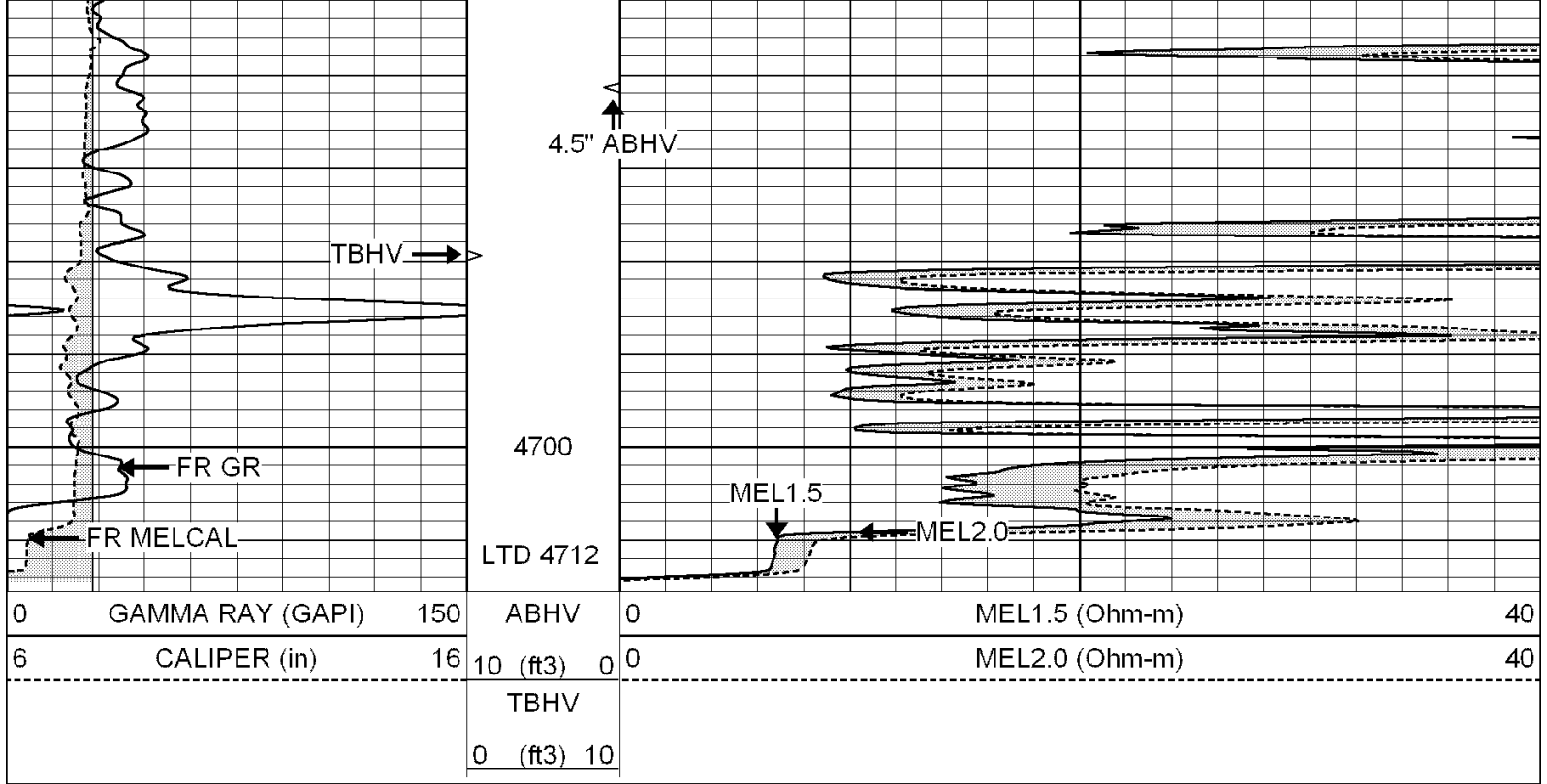
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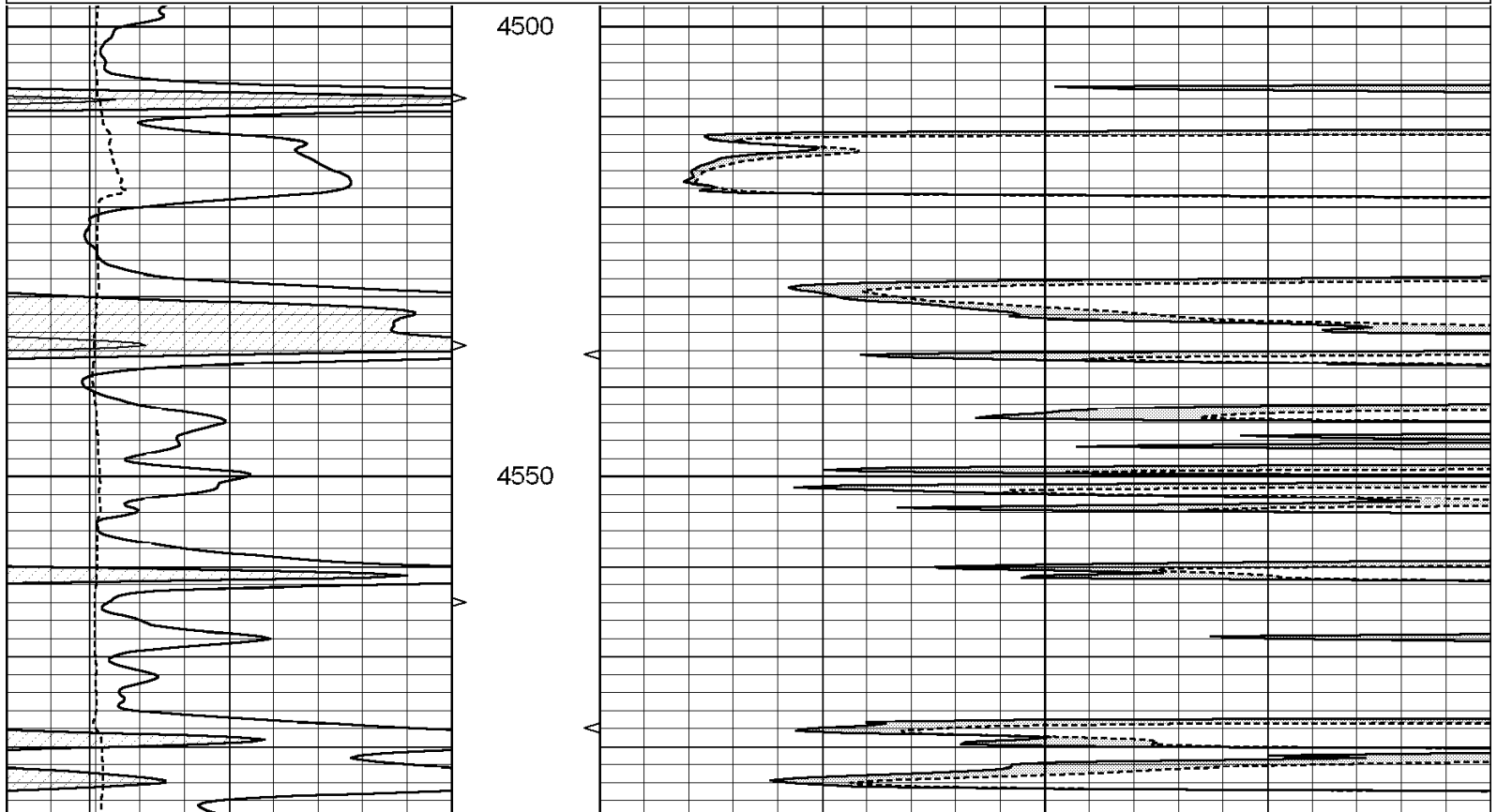
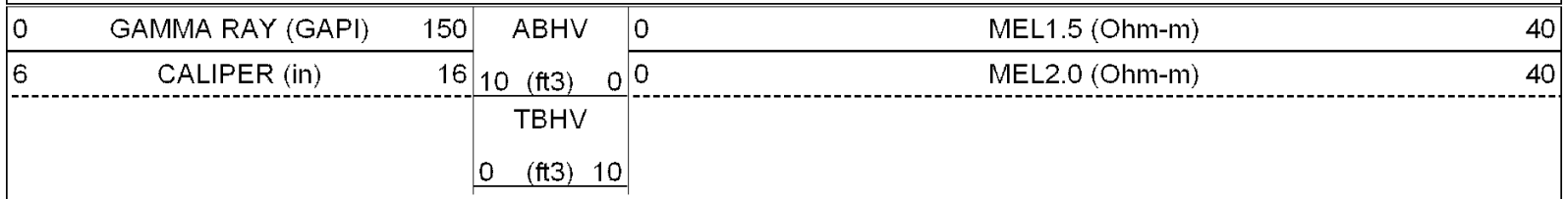
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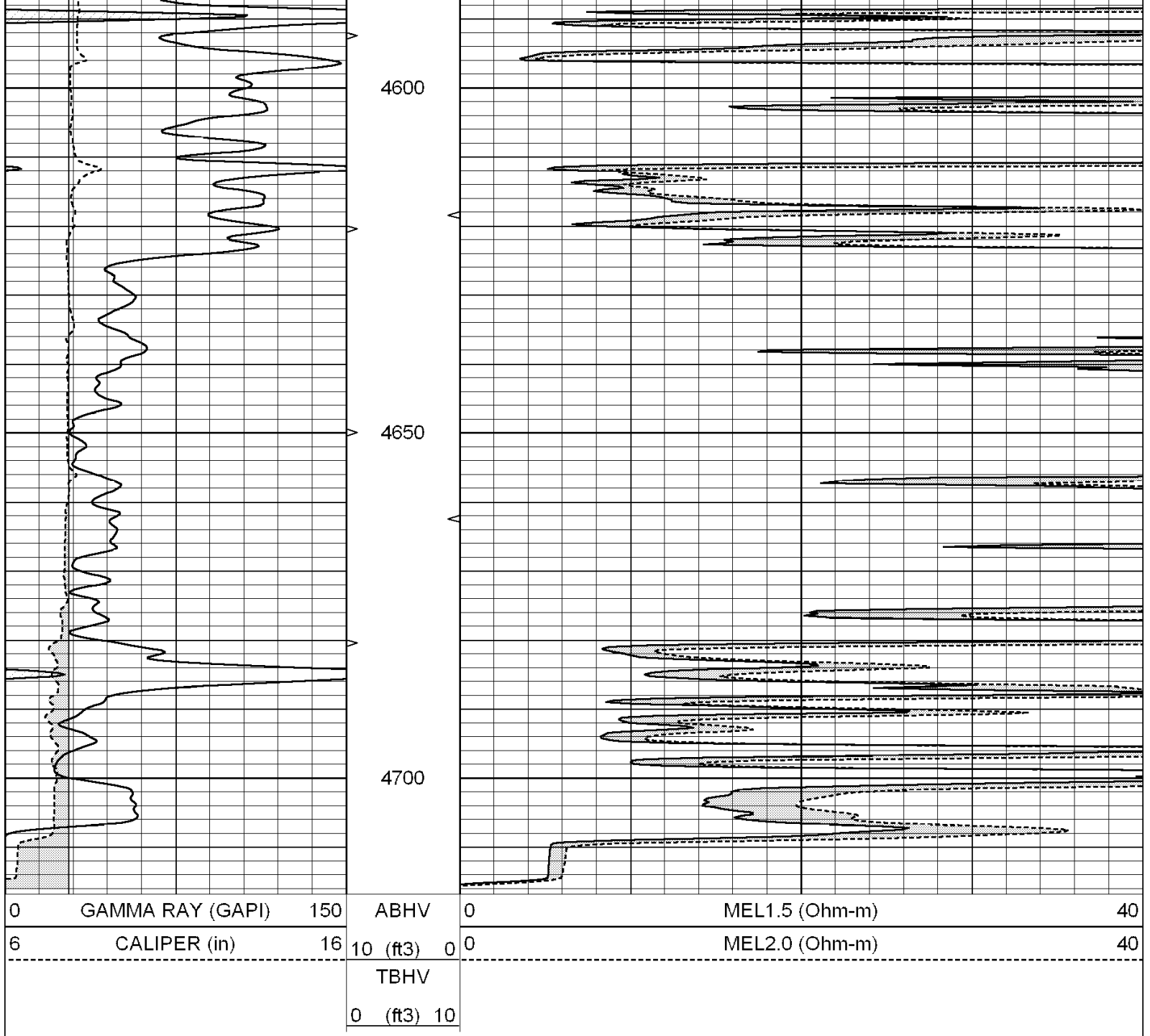






Database File: 004061ddn.db
 Dataset Pathname: pass5.5
 Presentation Format: micro
 Dataset Creation: Mon Aug 31 04:52:12 2009 by Calc Open-Cased 060407
 Charted by: Depth in Feet scaled 1:240





Calibration Report			
Database File:	004061ddn.db		
Dataset Pathname:	pass6.1		
Dataset Creation:	Mon Aug 31 04:41:17 2009 by Calc Open-Cased 060407		
MICRO Calibration Report			
Serial Number:	MICRO5		
Tool Model:	PROBE		
Performed:	Mon Aug 31 04:00:42 2009		
Caliper Calibration:	Gain=3.439	Offset=-3.892	
References	Low Cal	High Cal	
Readings	5.900	15.000	
	2.848	5.494	
1.5" Calibration:	Gain=35.000	Offset=-0.700	
	Low Cal	High Cal	

References	Low Cal	High Cal
Readings	0.000	20.000
	0.025	0.991
2" Calibration:	Gain=50.000	Offset=-2.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.018	0.809
Gamma Ray Calibration Report		
Serial Number:	GR4	
Tool Model:	OPEN	
Performed:	Mon Aug 31 04:00:36 2009	
Calibrator Value:	200.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	189.0	cps
Sensitivity:	0.5000	GAPI/cps