



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company	WHITE & ELLIS DRILLING, INC.		
Well	CHAIN RANCH "B" #1		
Field	AMBER CREEK SOUTH		
County	BARBER	State	KANSAS
Location:	AP1 # : 15-007-24163-0000 1040' FSL & 530' FWL		Other Services CDL/CNL PE/DIL
Permanent Datum	SEC 1	TWP 31S	RGE 12W
Log Measured From	GROUND LEVEL Elevation 1581 KELLY BUSHING 10' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Date	4/23/14		
Run Number	TWO		
Depth Driller	4650		
Depth Logger	4650		
Bottom Logged Interval	4648		
Top Log Interval	3200		
Casing Driller	8 5/8" @ 350		
Casing Logger	344		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5000 PPM	
Density / Viscosity	9.3/52		
pH / Fluid Loss	10.5/9.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.75 @ 80F		
Rmt @ Meas. Temp	.56 @ 80F		
Rmc @ Meas. Temp	.90 @ 80F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.48 @ 123F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	123F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	ADAM NIGHSWONGER		

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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 NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS:

SAWYER, KS. - SOUTH TO RESORT RD. (99 SPRINGS RD.) - 1/4 EAST TO GALLARDIA RD.
1/4 SOUTH - WEST INTO AT CATTLE GUARD



NABORS

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MAIN SECTION

Database File:

24231pe.db

Dataset Pathname:

pass6.1

Presentation Format:

_micro

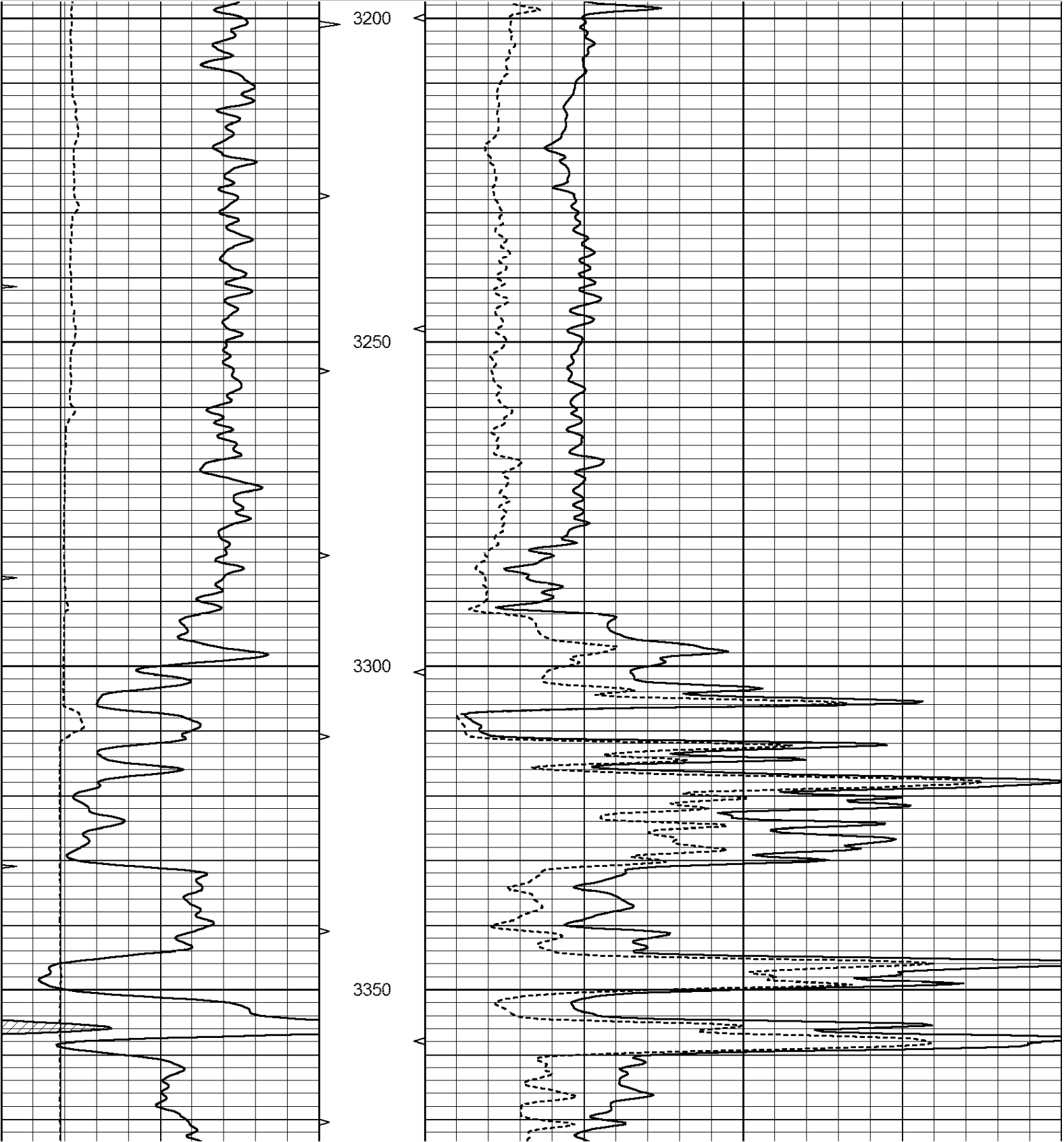
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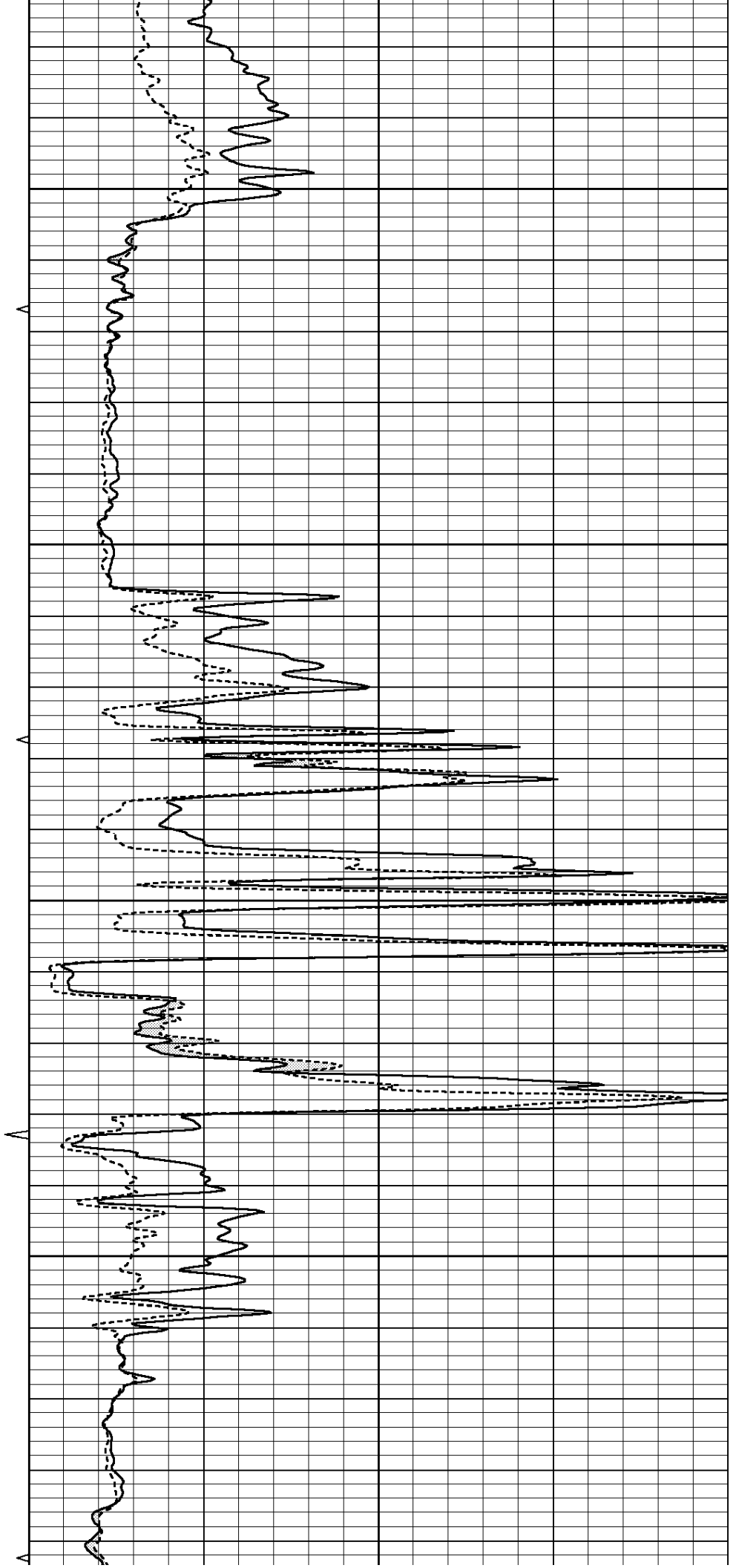
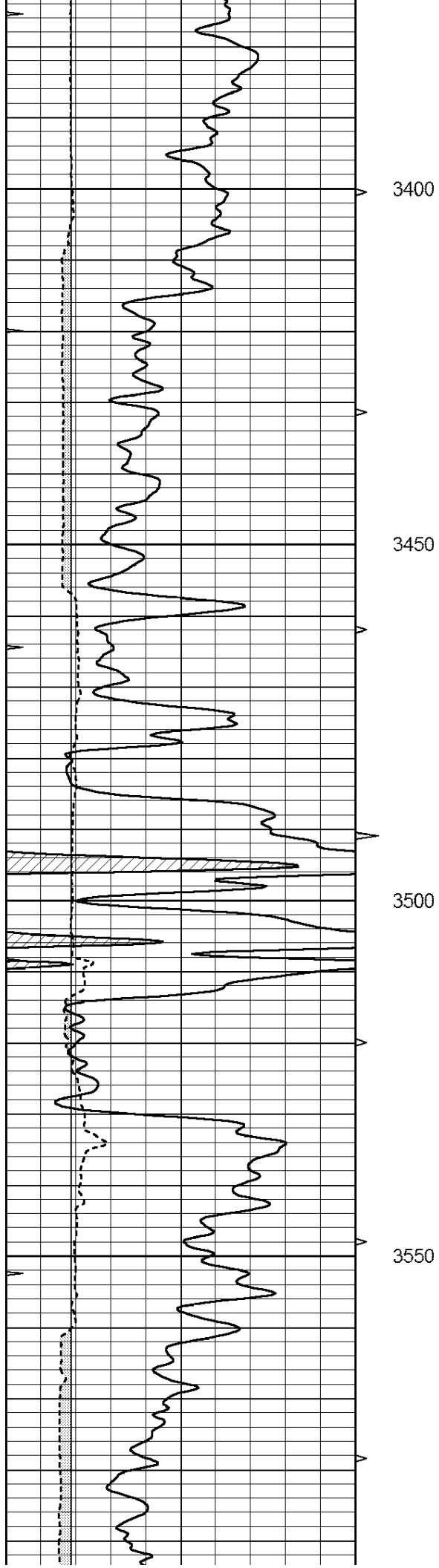
Wed Apr 23 10:26:37 2014 by Calc Open-Cased 090629

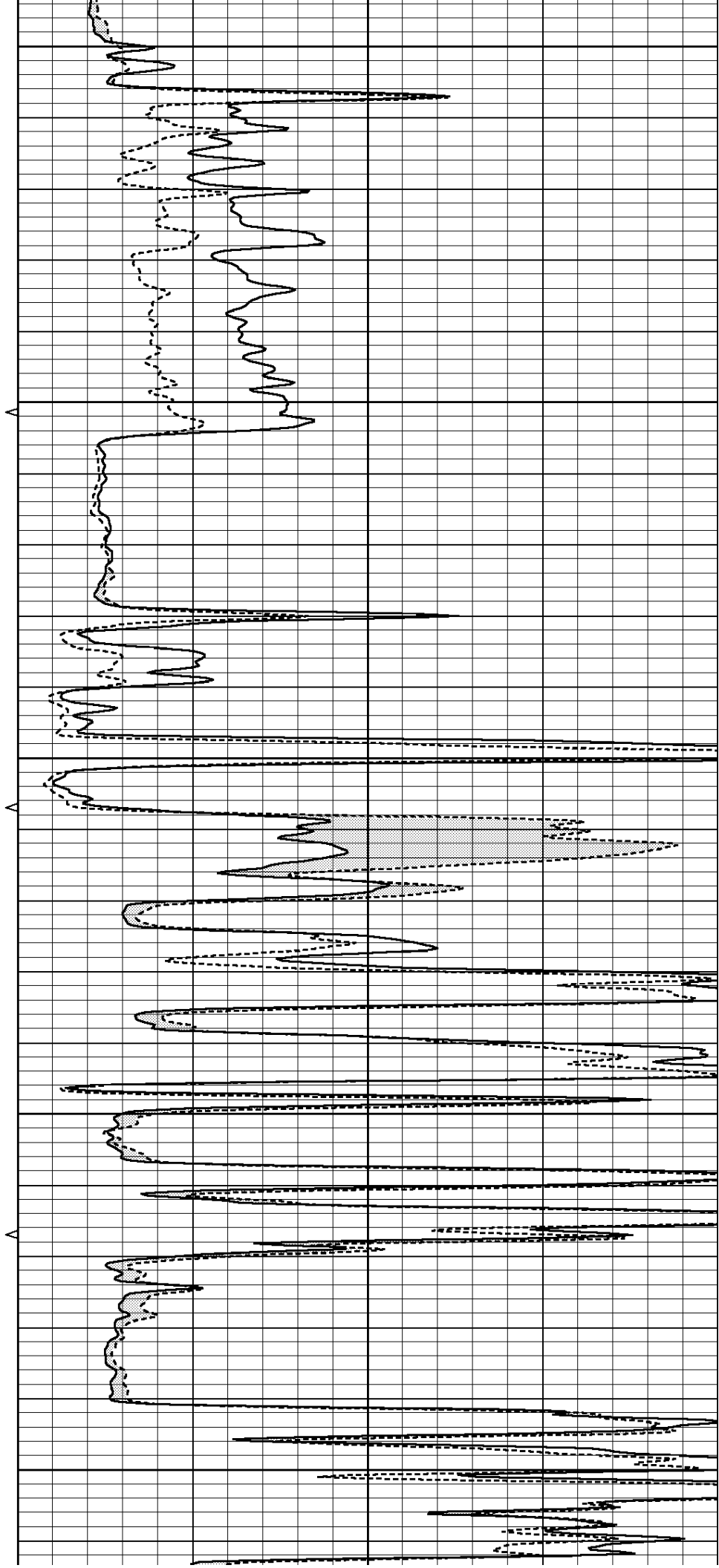
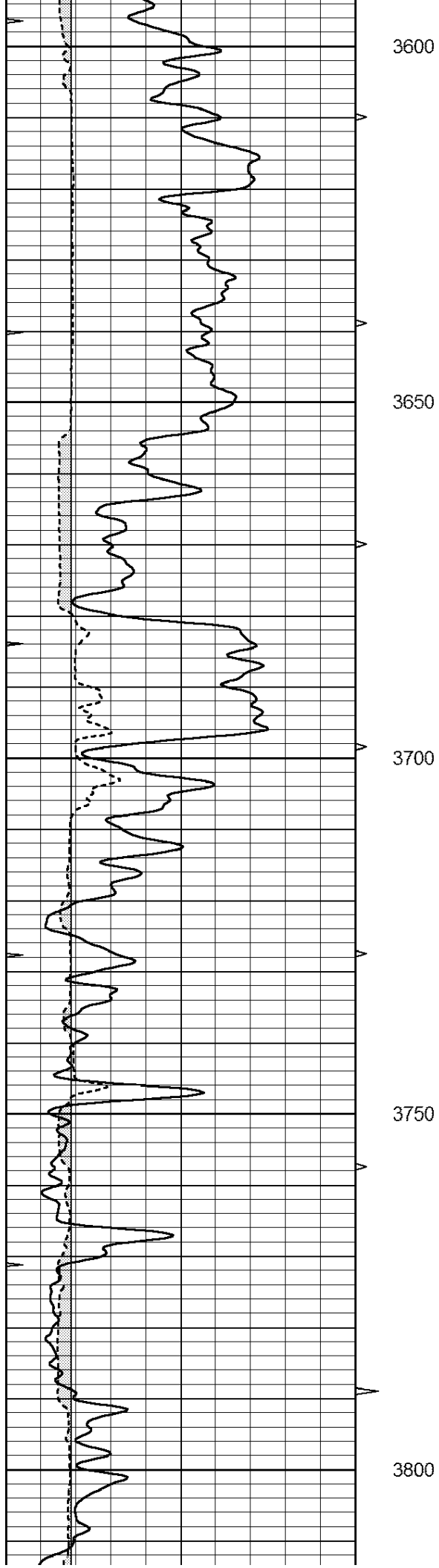
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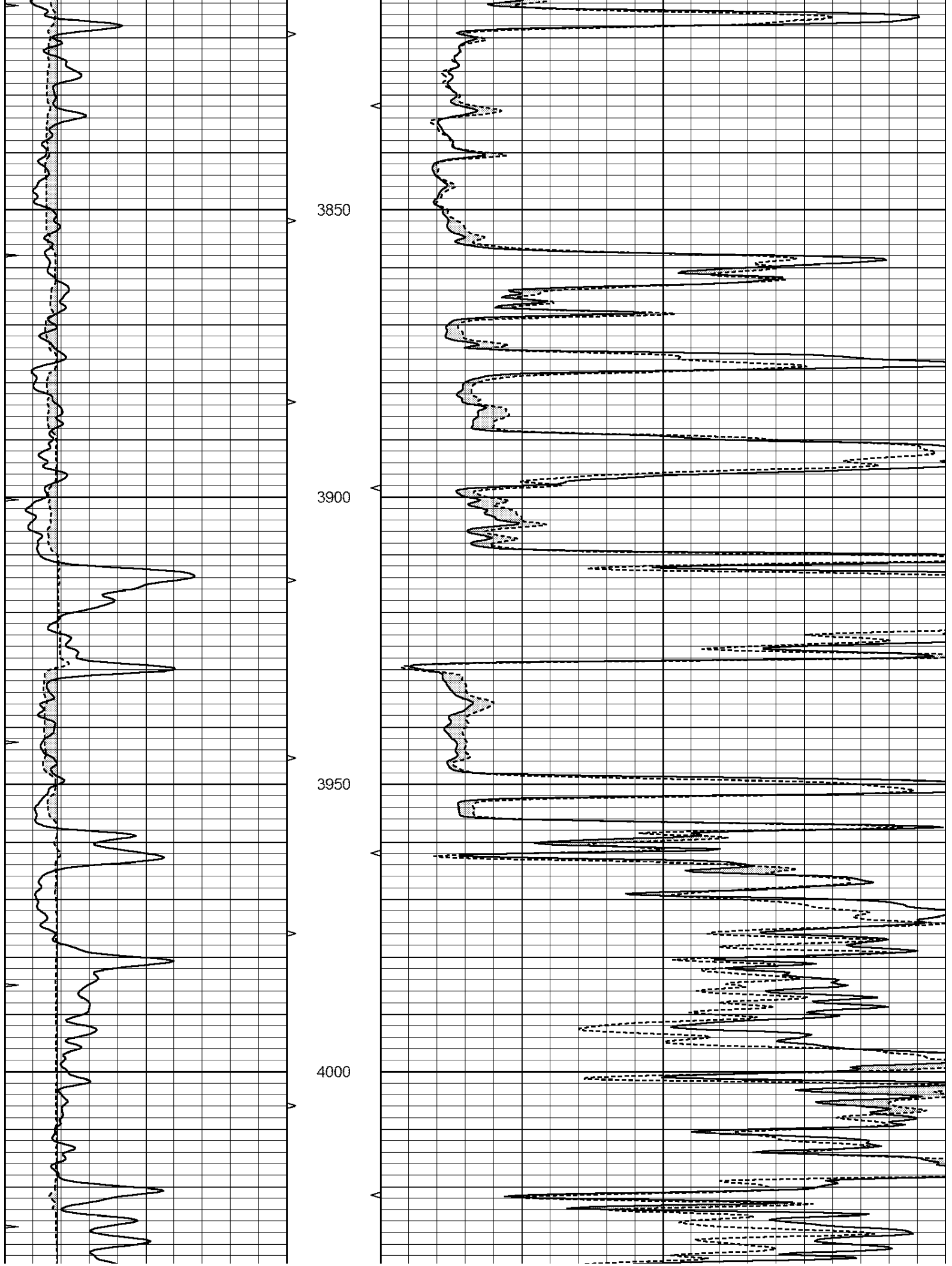
Depth in Feet scaled 1:240

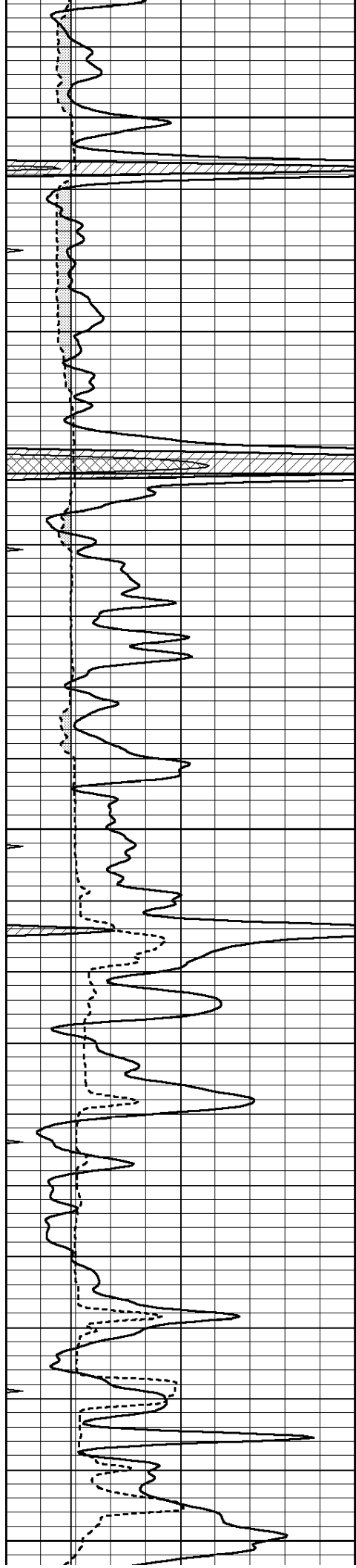
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6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		











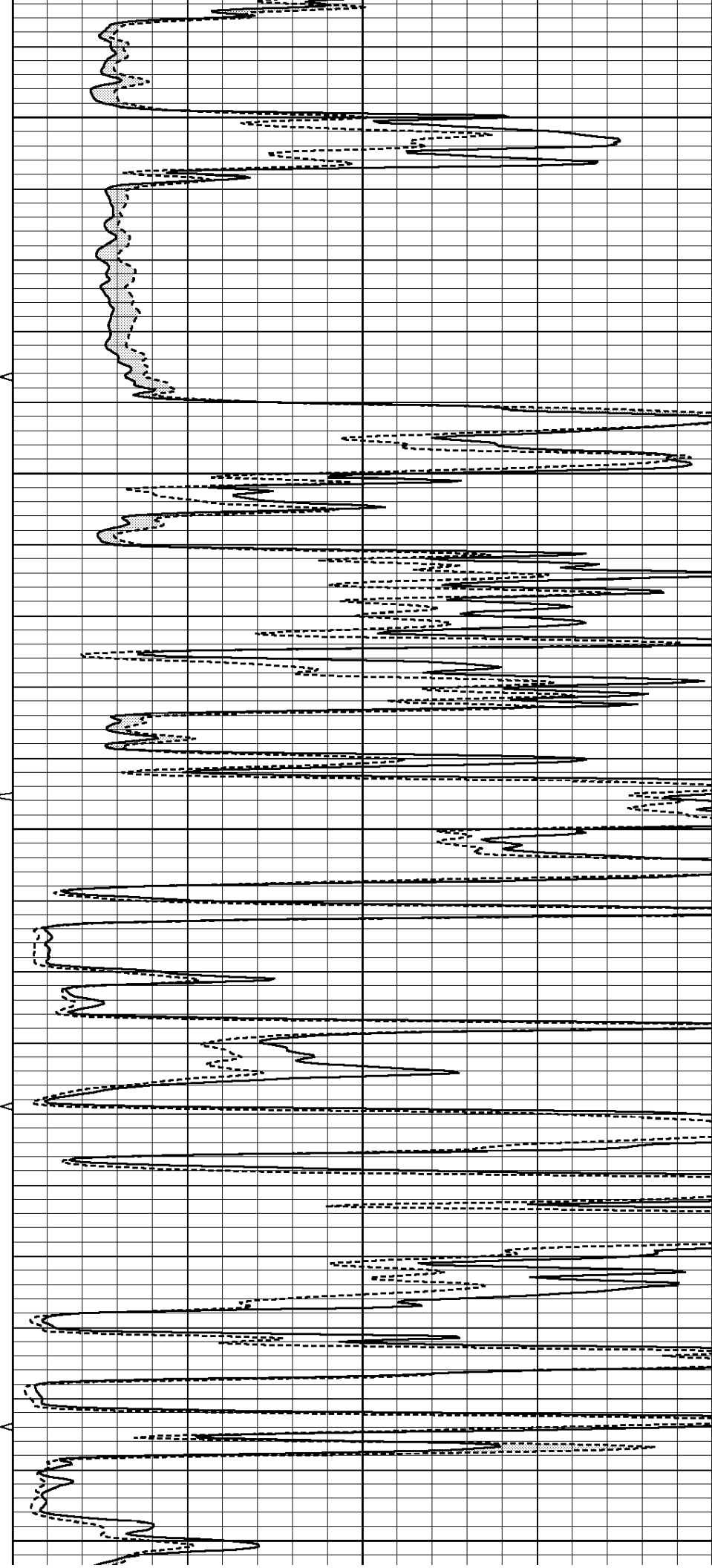
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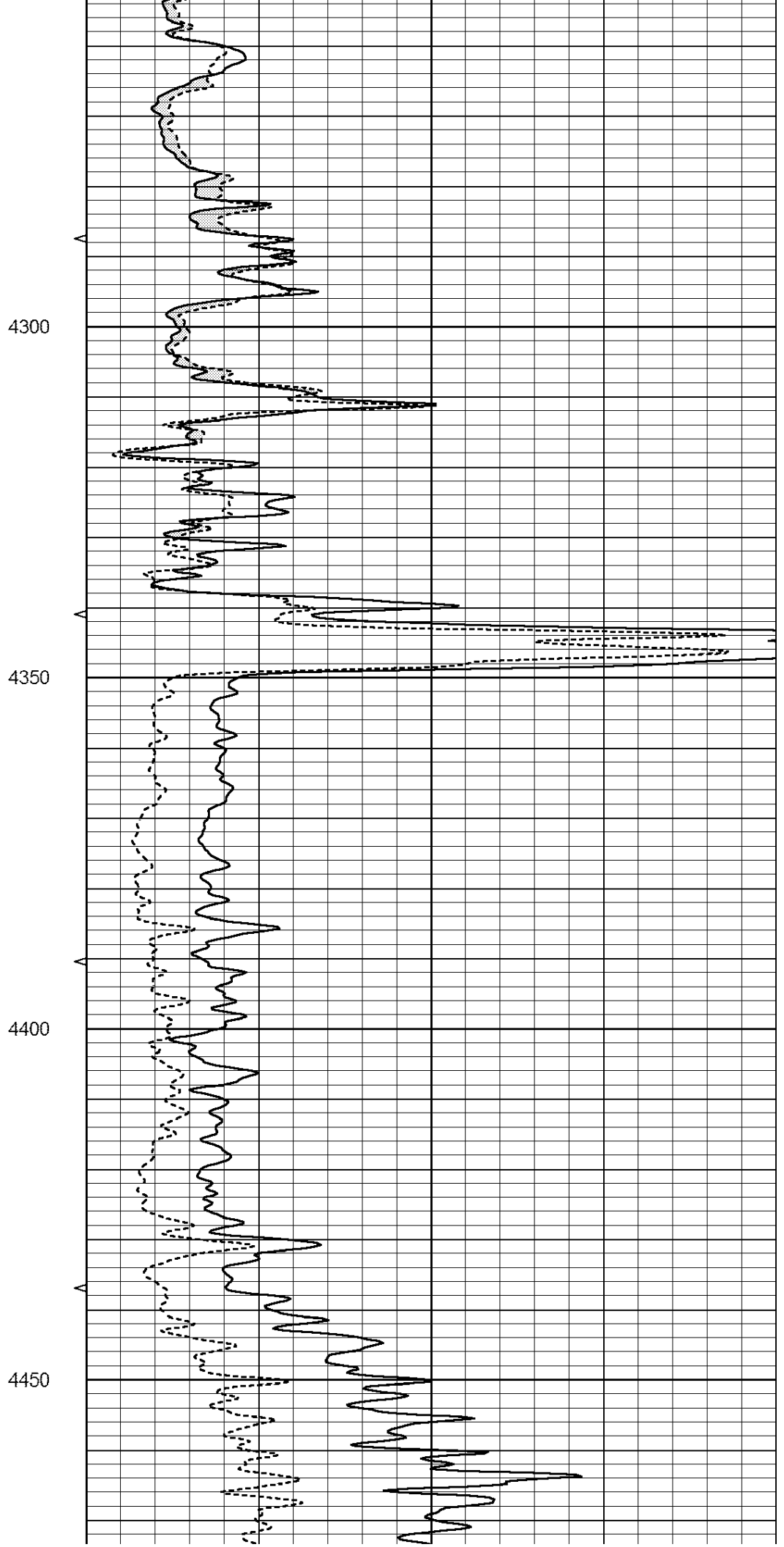
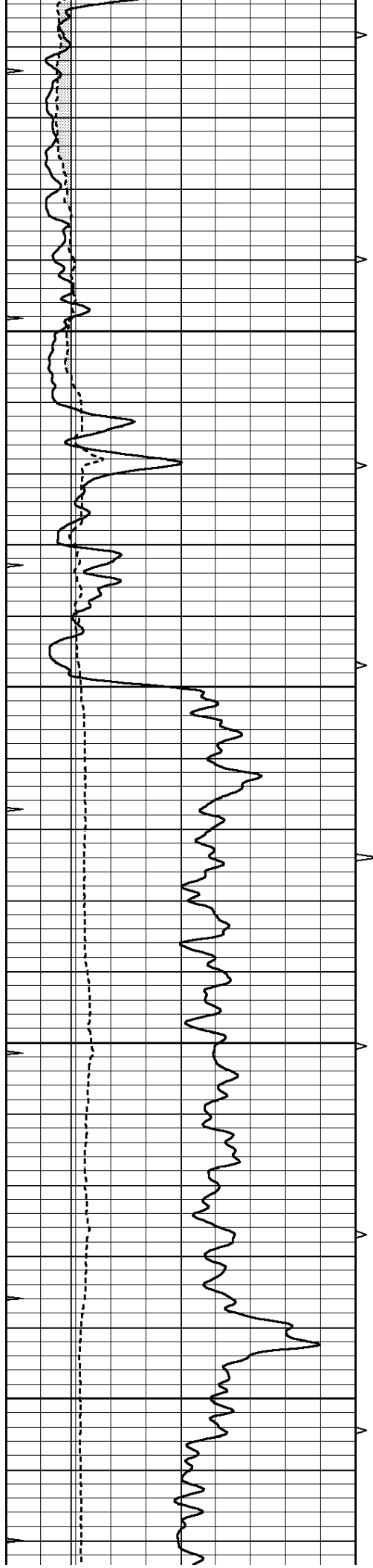
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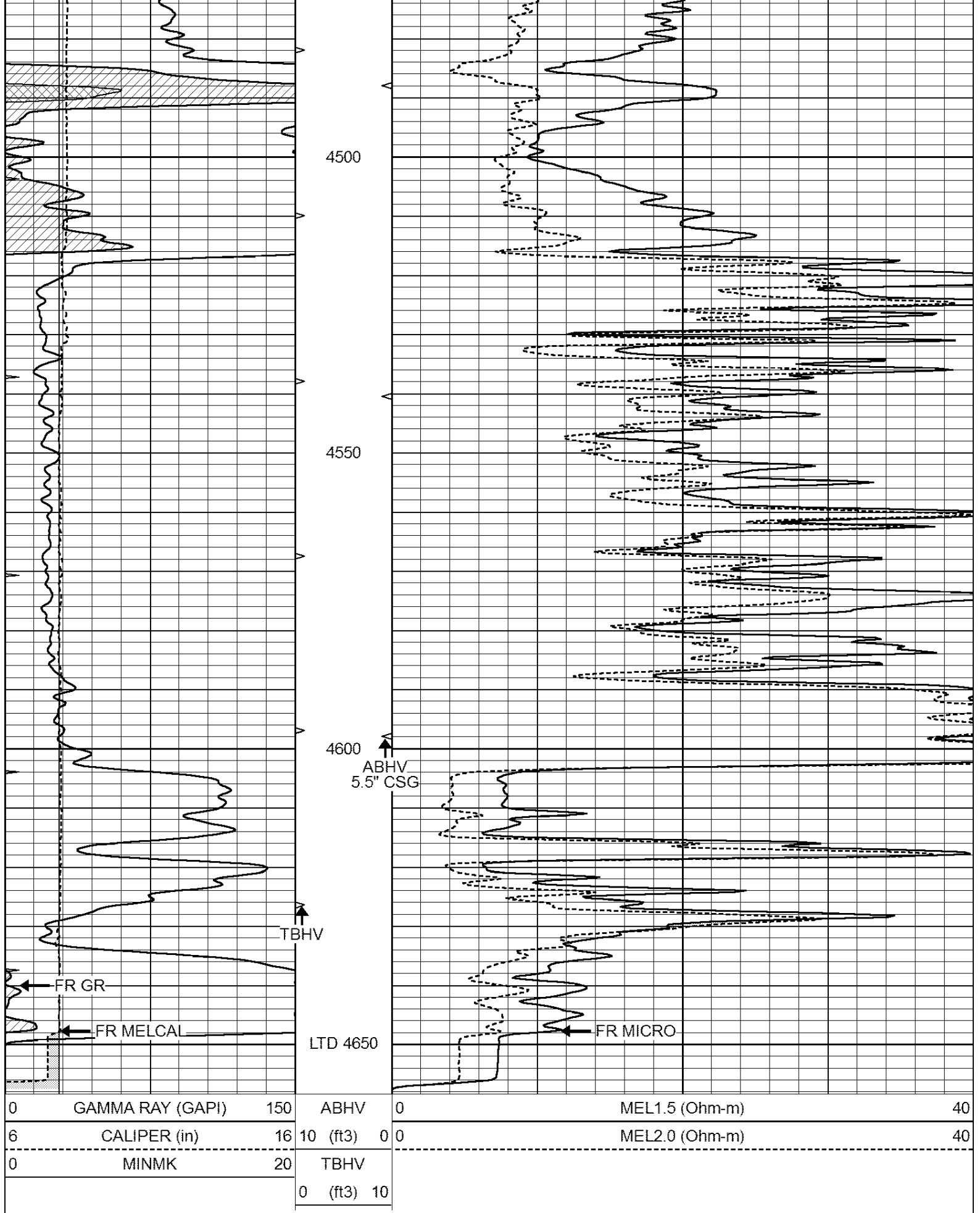
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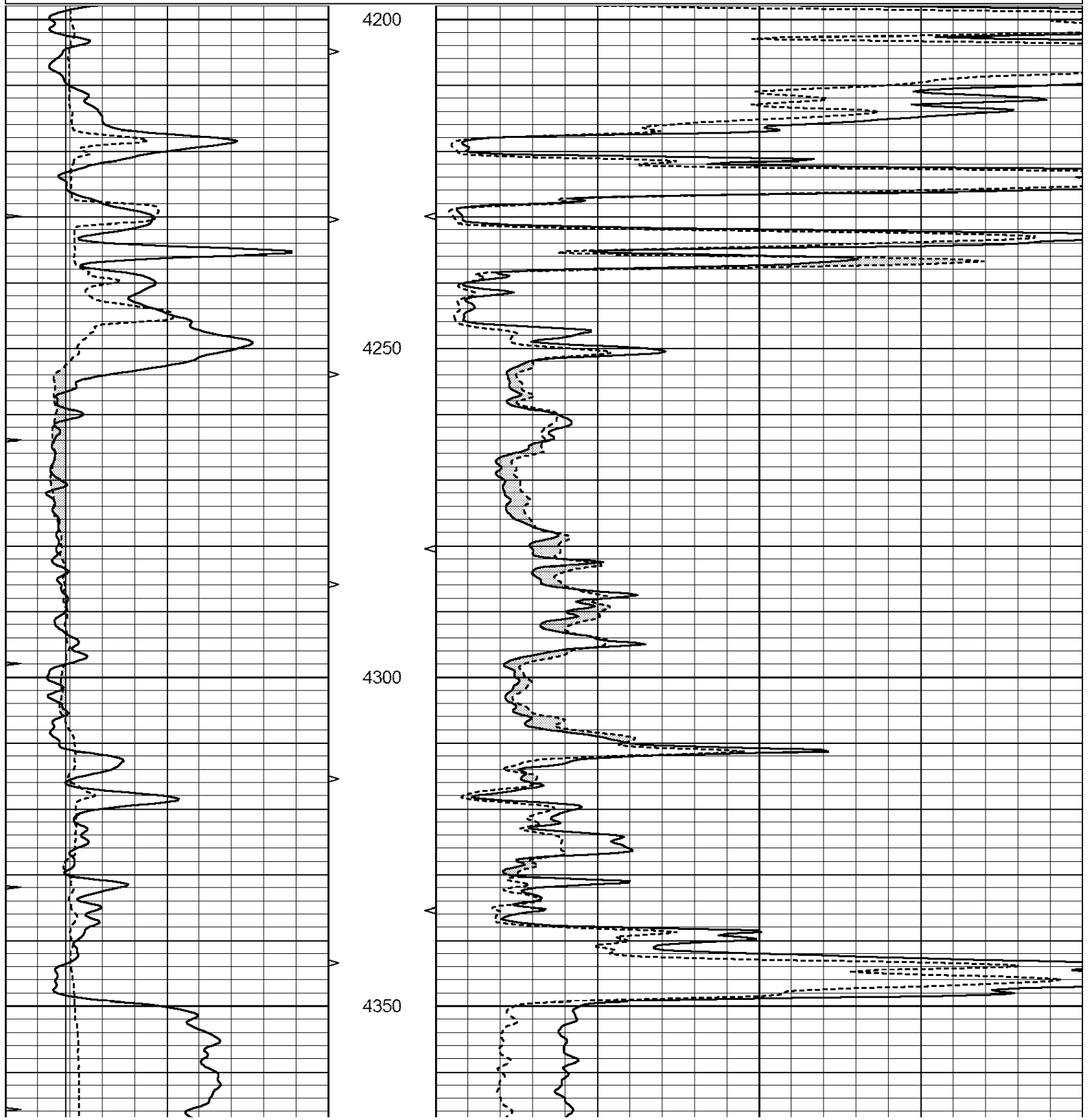


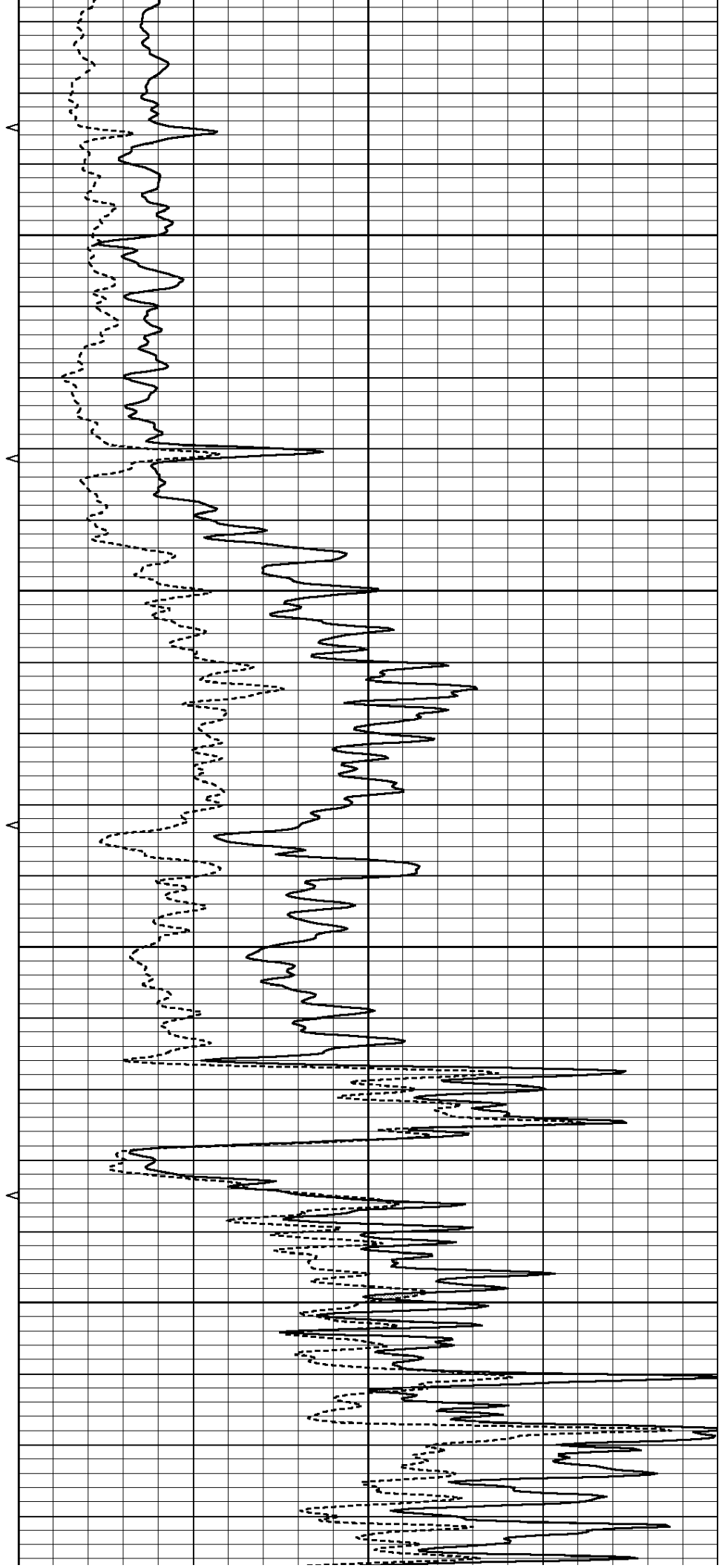
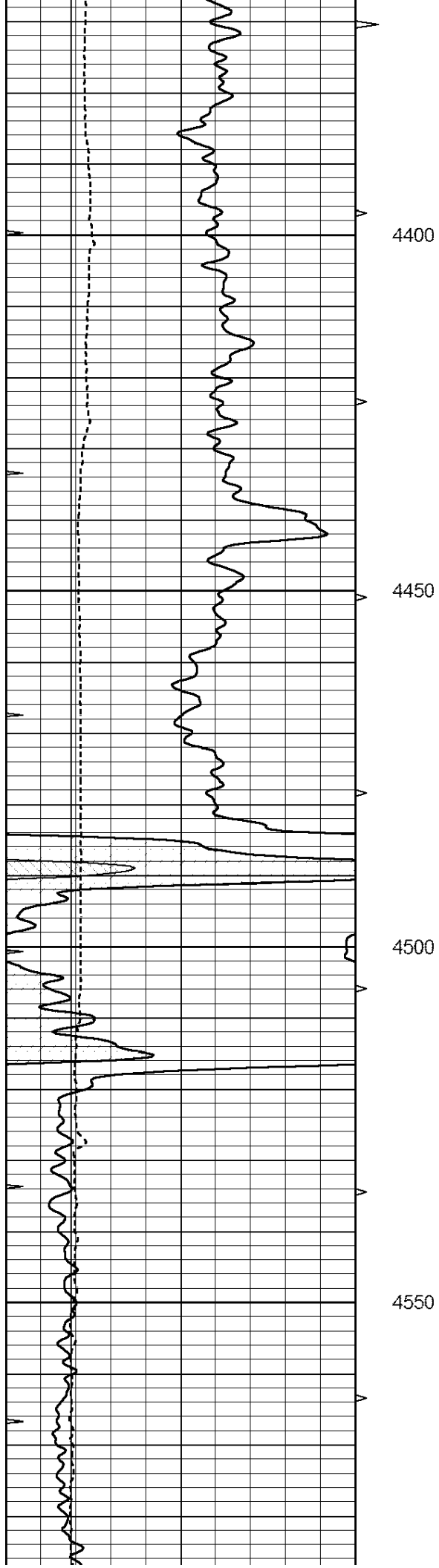


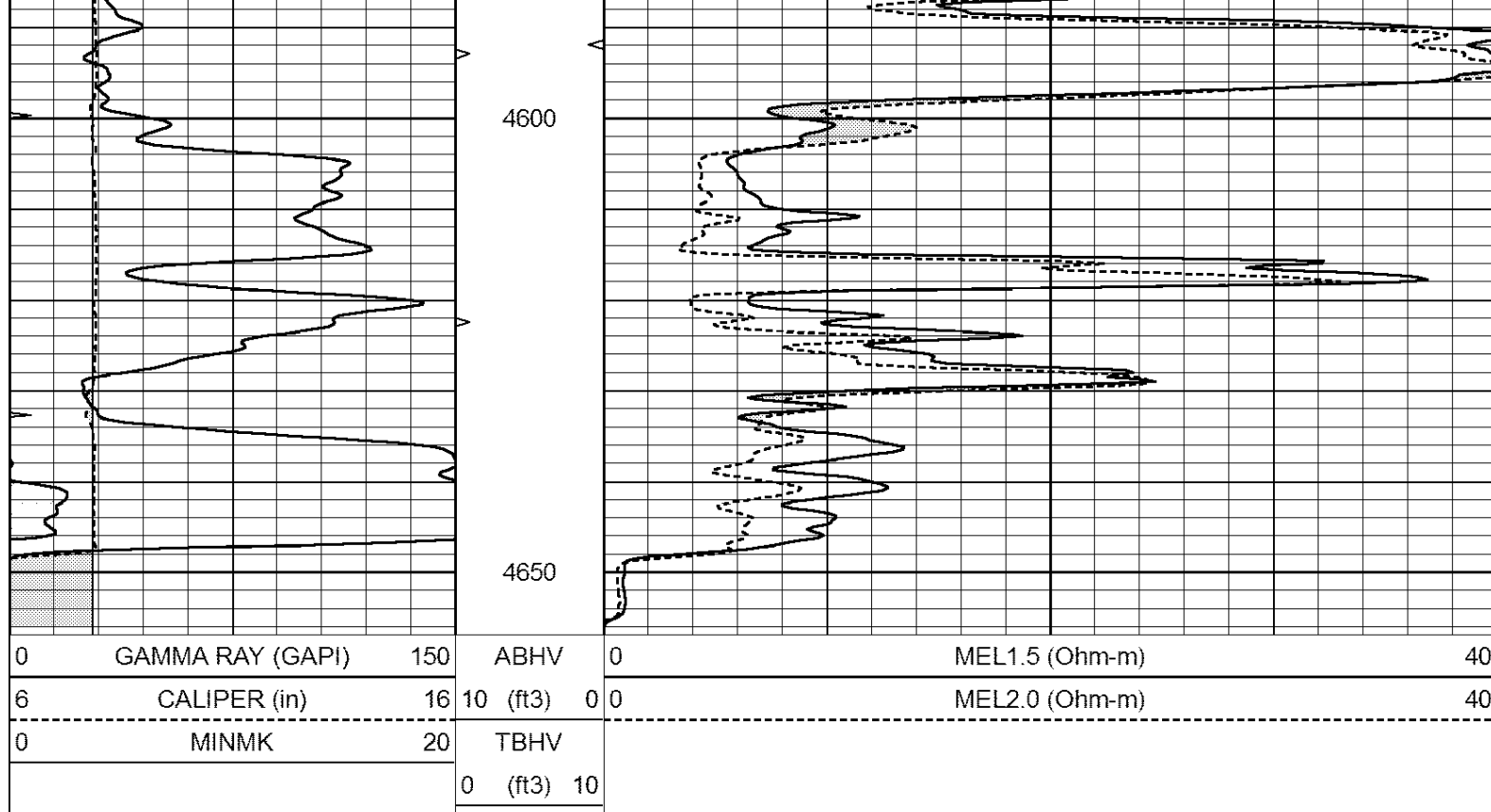


Database File: 24231pe.db
Dataset Pathname: pass5.1
Presentation Format: _micro
Dataset Creation: Wed Apr 23 09:46:26 2014 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		







Calibration Report			
Database File:	24231pe.db		
Dataset Pathname:	pass5.1		
Dataset Creation:	Wed Apr 23 09:46:26 2014 by Calc Open-Cased 090629		
MICRO Calibration Report			
Serial Number:	MICRO6		
Tool Model:	PROBE		
Performed:	Fri Mar 14 21:54:54 2014		
Caliper Calibration:	Gain=5.542	Offset=-0.920	
References	Low Cal	High Cal	
Readings	8.000	14.000	
	1.431	2.513	
1.5" Calibration:	Gain=38.075	Offset=0.000	
References	Low Cal	High Cal	
Readings	0.000	20.000	
	0.004	1.196	
2" Calibration:	Gain=44.000	Offset=-0.600	
References	Low Cal	High Cal	
Readings	0.000	20.000	
	0.006	0.913	
Gamma Ray Calibration Report			
Serial Number:	GR6		
Tool Model:	OPEN		
Performed:	Fri Nov 29 08:34:37 2013		
Calibrator Value:	150.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	276.0	cps	

Sensitivity:

0.6035

GAPI/cps