



MICRO LOG

Company MULL DRILLING COMPANY, INC.
Well THORNBURG TRUST "A" #1-34
Field CHAPMAN
County GOVE State KANSAS

Location: API #: 15-063-22392-0000

896' FNL & 2475' FWL

SEC 34 TWP 15S RGE 26W

Permanent Datum GROUND LEVEL Elevation 2533
Log Measured From KELLY BUSHING 11' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL/PE
DIL/SON

Elevation
K.B. 2544
D.F. 2542
G.L. 2533

Date 12/13/21

Run Number TWO

Depth Driller 4578

Depth Logger 4578

Bottom Logged Interval 4560

Top Log Interval 3650

Casing Driller 8 5/8" @ 226

Casing Logger 226

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD CHLORIDES 2600 PPM

Density / Viscosity 9.4/60

pH / Fluid Loss 10.5/6.0

Source of Sample FLOWLINE

Rm @ Meas. Temp 1.20 @ 58F

Rmf @ Meas. Temp .90 @ 58F

Rmc @ Meas. Temp 1.44 @ 58F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .57 @ 121F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 1111

Maximum Recorded Temperature 121F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By JASON CAPPELLUCCI

Witnessed By BLAKE MILLER

TJ DREILING

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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

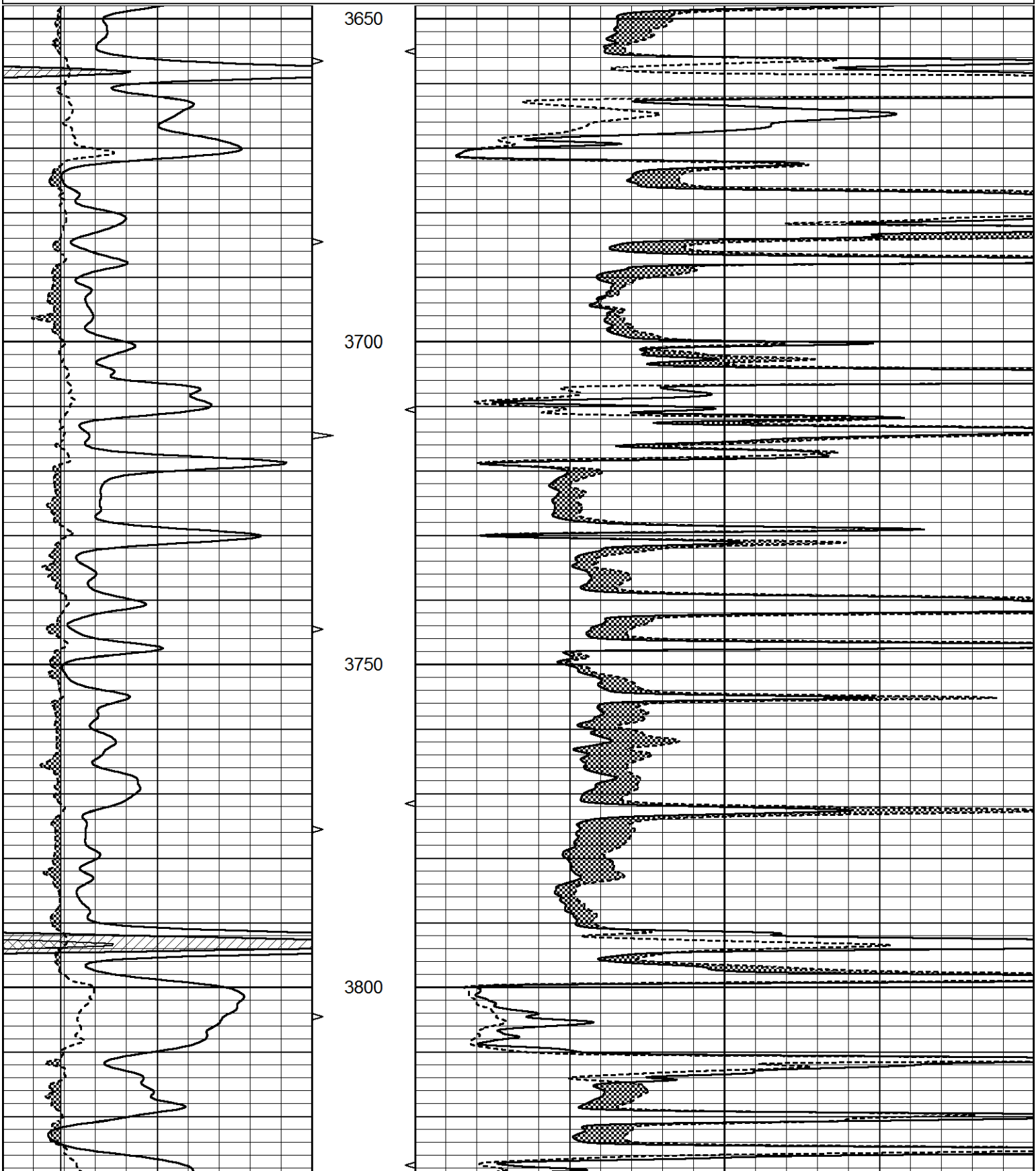
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
WEST EDGE OF UTICA, KS. - 4 NORTH ON RD. D - 1 WEST AT THE T - 1 NORTH - WEST INTO

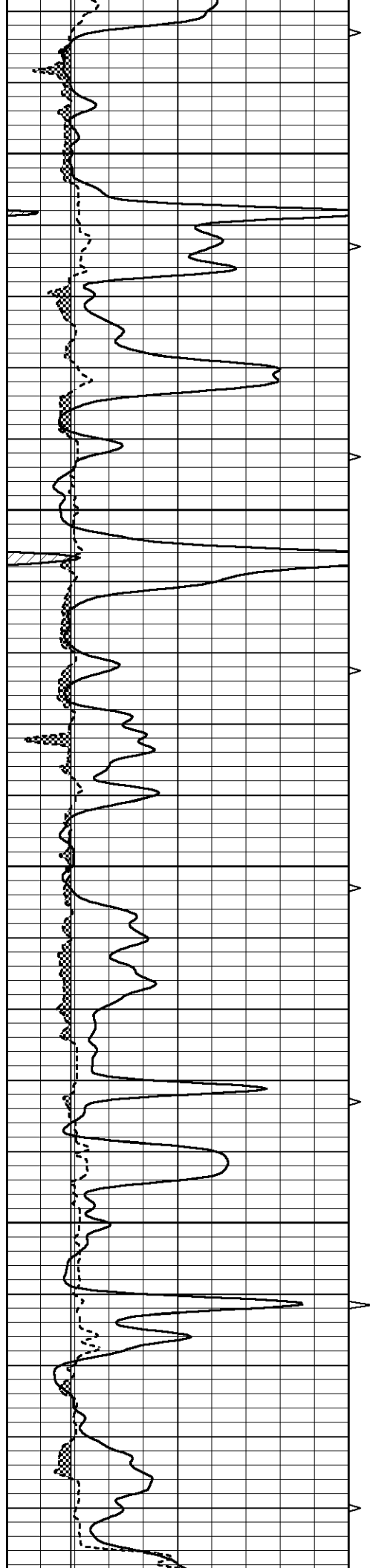


MAIN SECTION

Database File	6063pe.db
Dataset Pathname	pass7.1
Presentation Format	_micro
Dataset Creation	Mon Dec 13 08:13:19 2021
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		



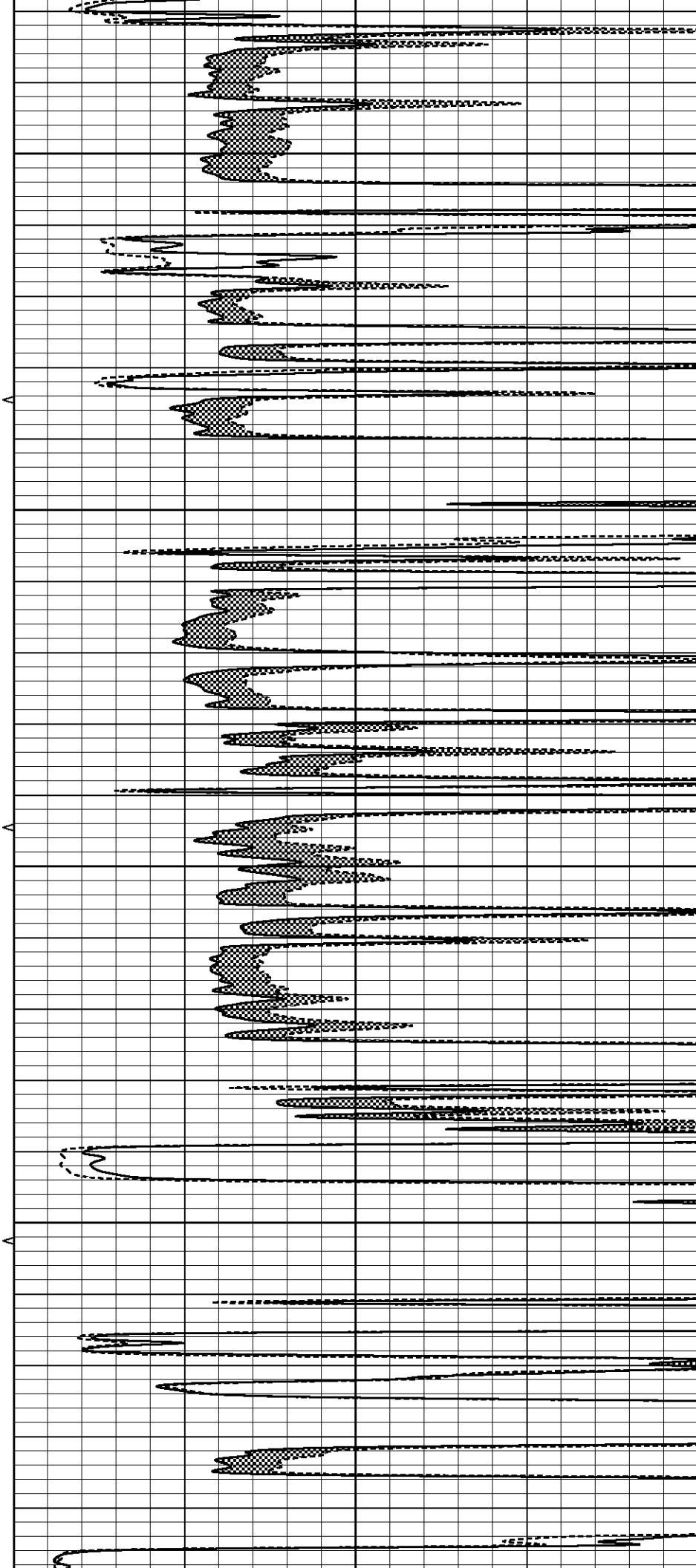


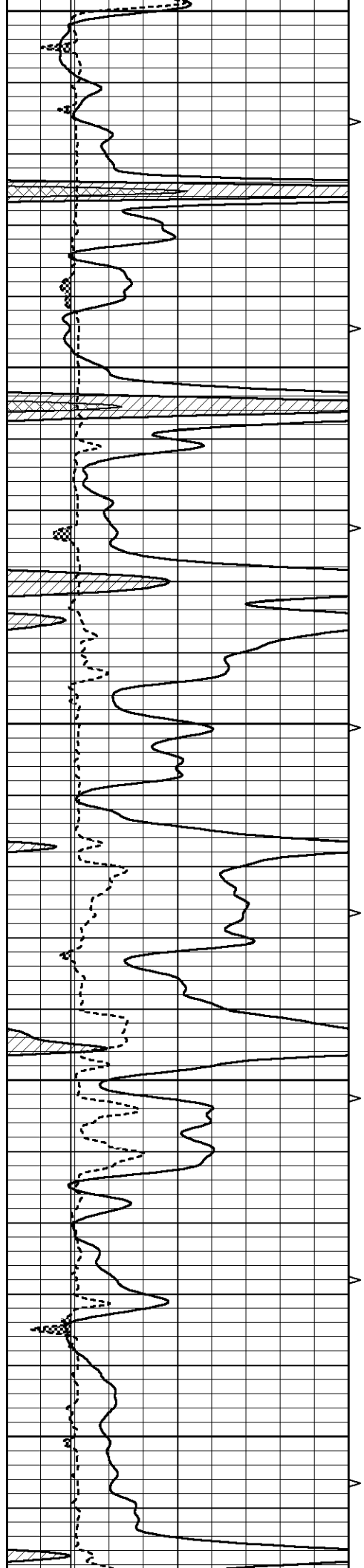
3850

3900

3950

4000





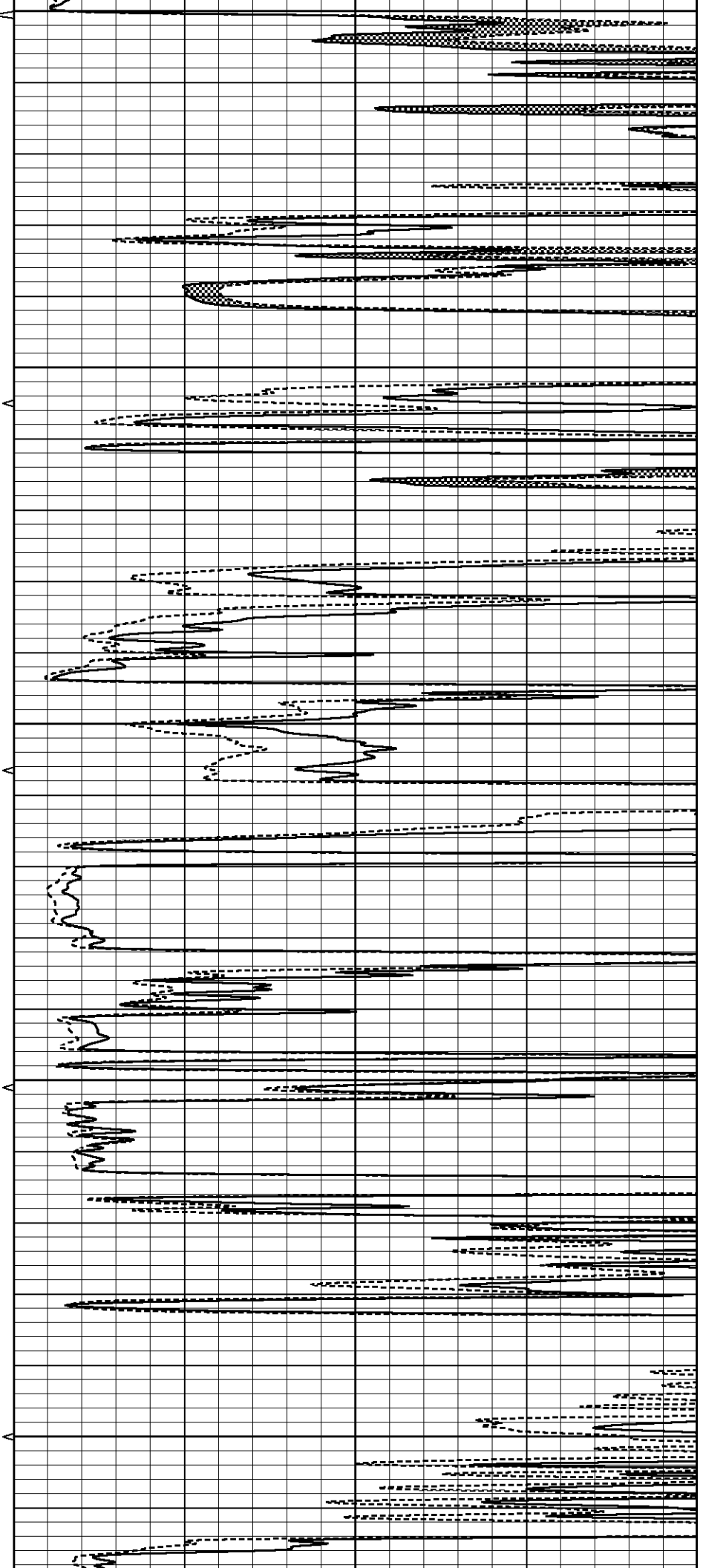
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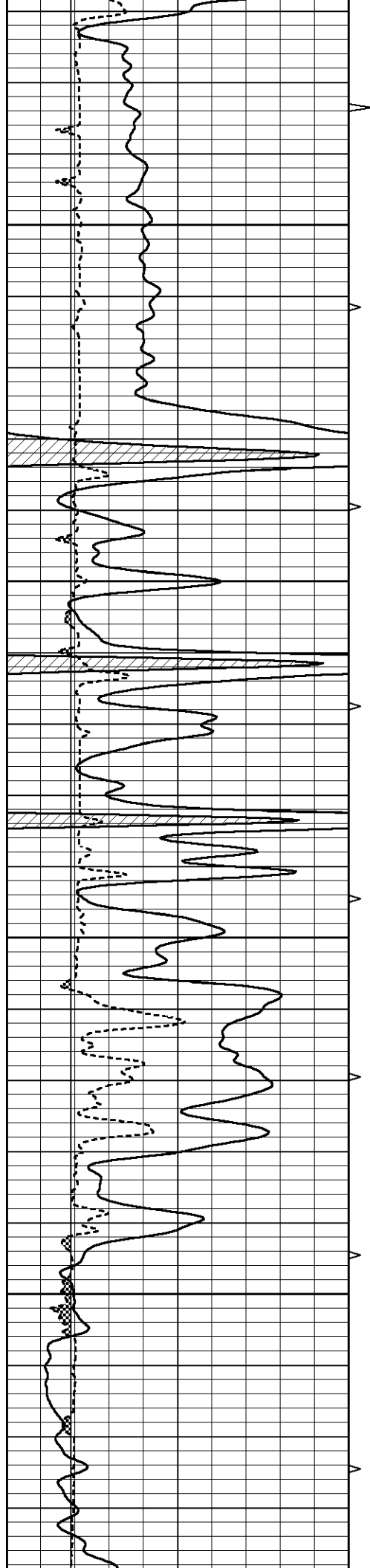
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4150

4200

4250



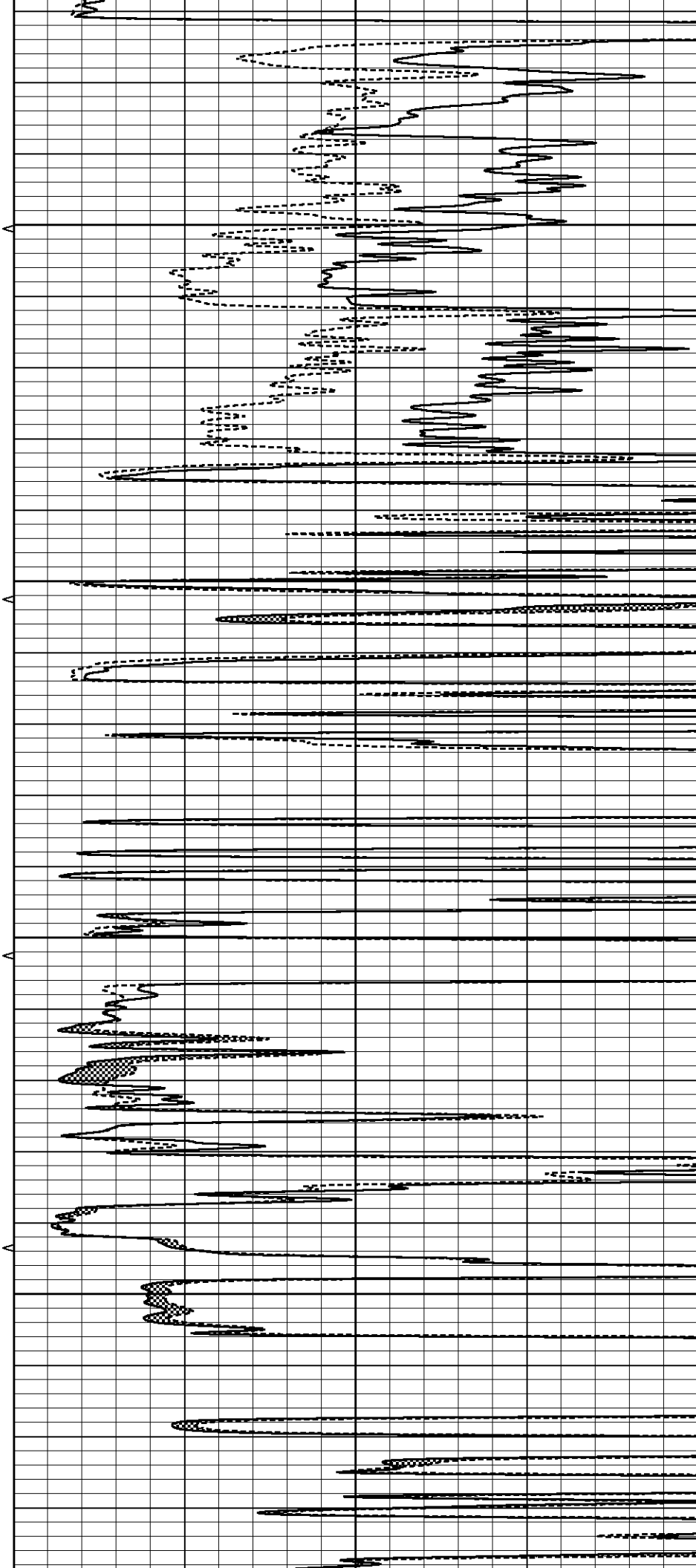


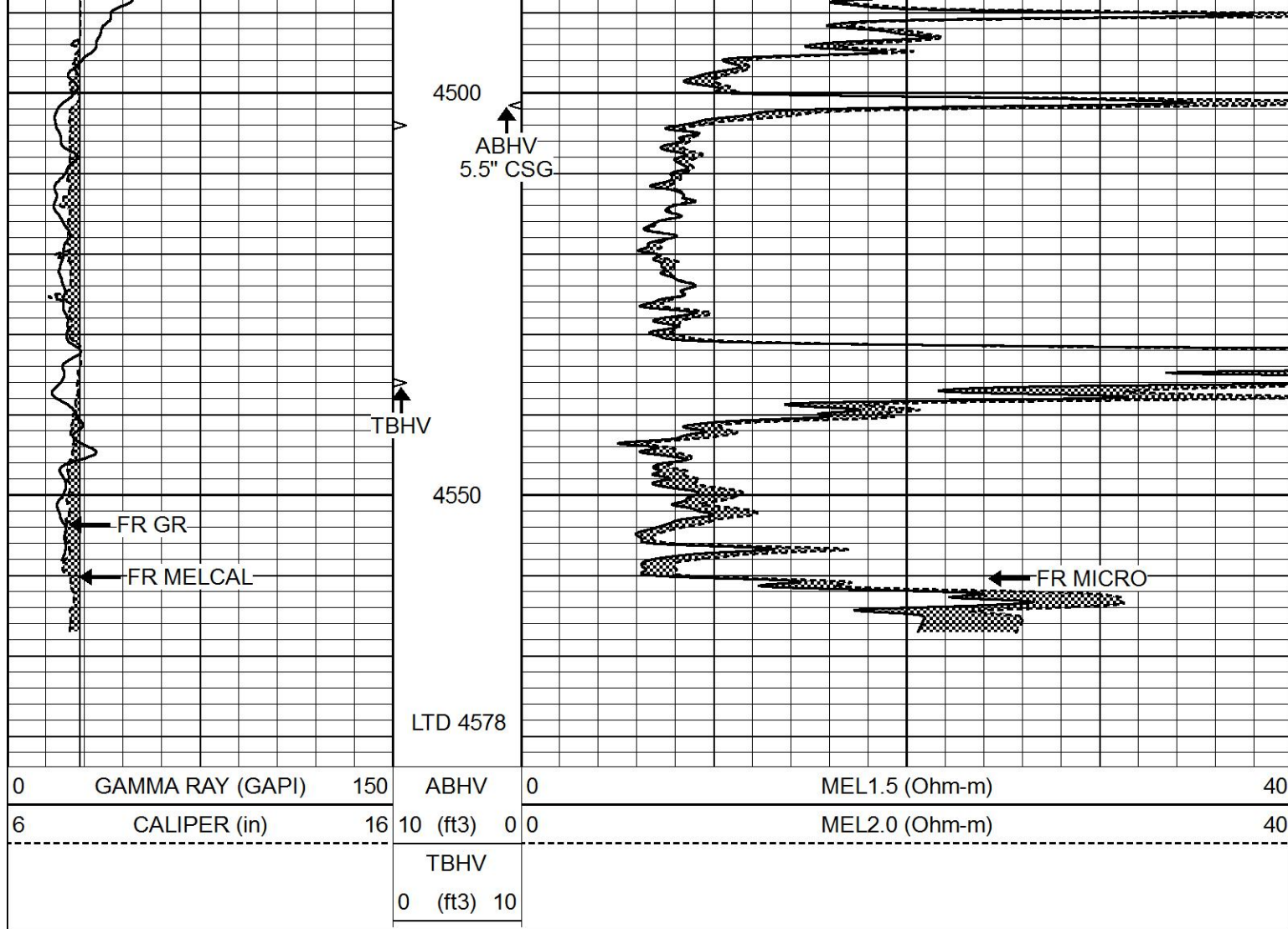
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4350

4400

4450

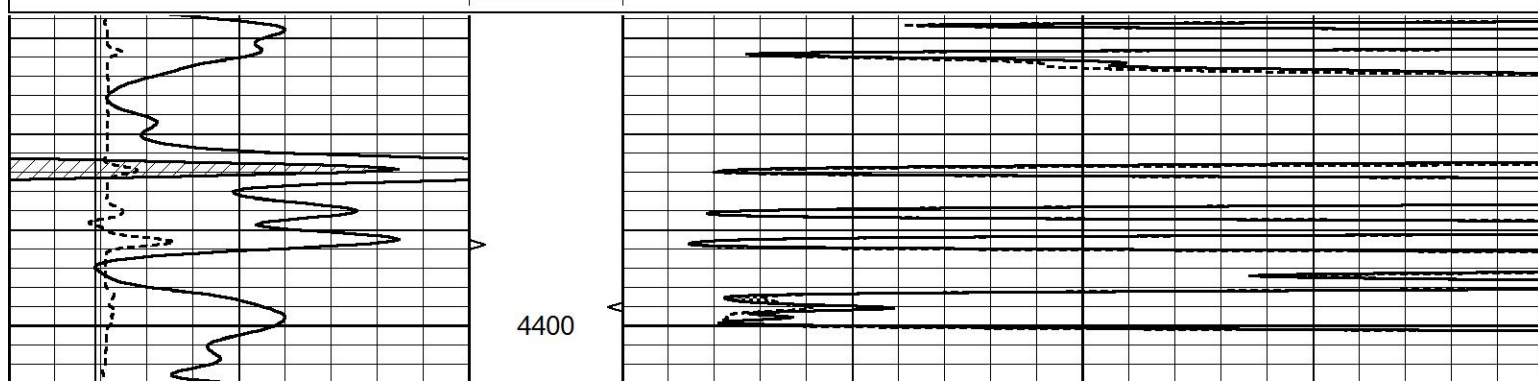


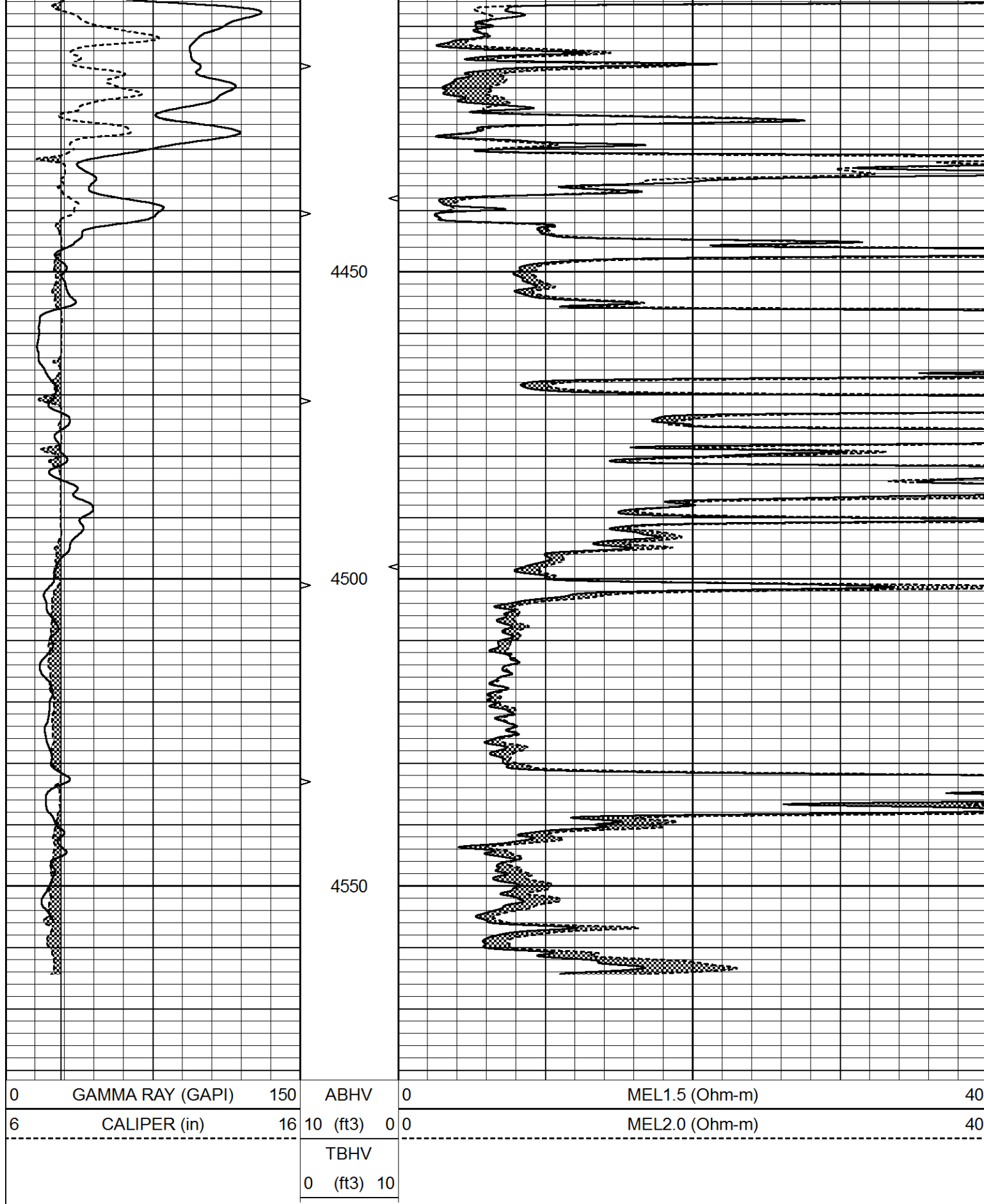


REPEAT SECTION

Database File 6063pe.db
 Dataset Pathname pass6.1
 Presentation Format _micro
 Dataset Creation Mon Dec 13 08:11:55 2021
 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			





Calibration Report

Database File 6063pe.db
 Dataset Pathname pass6.1
 Dataset Creation Mon Dec 13 08:11:55 2021

MICRO_USR Calibration Report

Serial Number:	070911
Tool Model:	ProbeL
Performed:	Sun Dec 13 14:24:22 2020

Caliper Calibration:	Gain=3.755	Offset=2.050
	Low Cal	High Cal
References	8.000	14.000
Readings	1.451	3.049

1.5" Calibration:	Gain=55.000	Offset=-0.700
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	0.843

2" Calibration:	Gain=50.000	Offset=-0.650
	Low Cal	High Cal
References	0.000	20.000
Readings	0.021	0.810

Microlog Calibration Report

Serial-Model:	070911-ProbeL
Performed:	Sat Apr 11 01:13:01 2015

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0002	0.4836	V	0.0000	10.0000	Ohm-m	20.6908	-0.0051
Inverse	0.0018	0.6297	V	0.0000	10.0000	Ohm-m	15.9263	-0.0282
Caliper	0.0000	1.0000	V	0.0000	1.0000	in	1.0000	0.0000

Gamma Ray Calibration Report

Serial Number:	070558
Tool Model:	Probe1
Performed:	Fri Oct 30 21:32:56 2020
Calibrator Value:	1.0
	GAPI
Background Reading:	0.0
Calibrator Reading:	1.0
	cps
Sensitivity:	0.2700
	GAPI/cps