

MICRO LOG

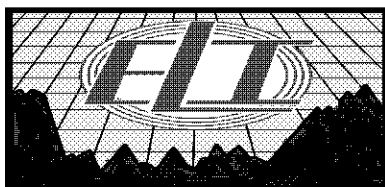
Company L.D. DRILLING, INC.	
Well #1-21 DWIGHT	
Field WILDCAT	
County GOVE	State KANSAS
Location: API #: 15-063-22357-0000 1853' FSL & 1503' FEL	
SEC 21 TWP 15S RGE 29W	
Permanent Datum Log Measured From Drilling Measured From	GROUND LEVEL Elevation 2540 KELLY BUSHING 5' A.G.L KELLY BUSHING
Other Services CDL/CNL DIL	
Elevation K.B. 2545 D.F. 2543 G.L. 2540	
Date	6/5/19
Run Number	TWO
Depth Driller	4370
Depth Logger	4371
Bottom Logged Interval	4369
Top Log Interval	3200
Casing Driller	8 5/8" @ 369'
Casing Logger	368
Bit Size	7 7/8
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.5/59
PH / Fluid Loss	10.0/7.4
Source of Sample	FLOWLINE
Rm @ Meas. Temp	1.20 @ 87F
Rmf @ Meas. Temp	.90 @ 87F
Rmc @ Meas. Temp	1.44 @ 87F
Source of Rmf / Rmc	MEASUREMENT
Rm @ BHT	.87 @ 119F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	////
Maximum Recorded Temperature	119F
Equipment Number	3802
Location	HAYS, KANSAS
Recorded By	JASON CAPPELLUCCI
Witnessed By	KIM SHOEMAKER

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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

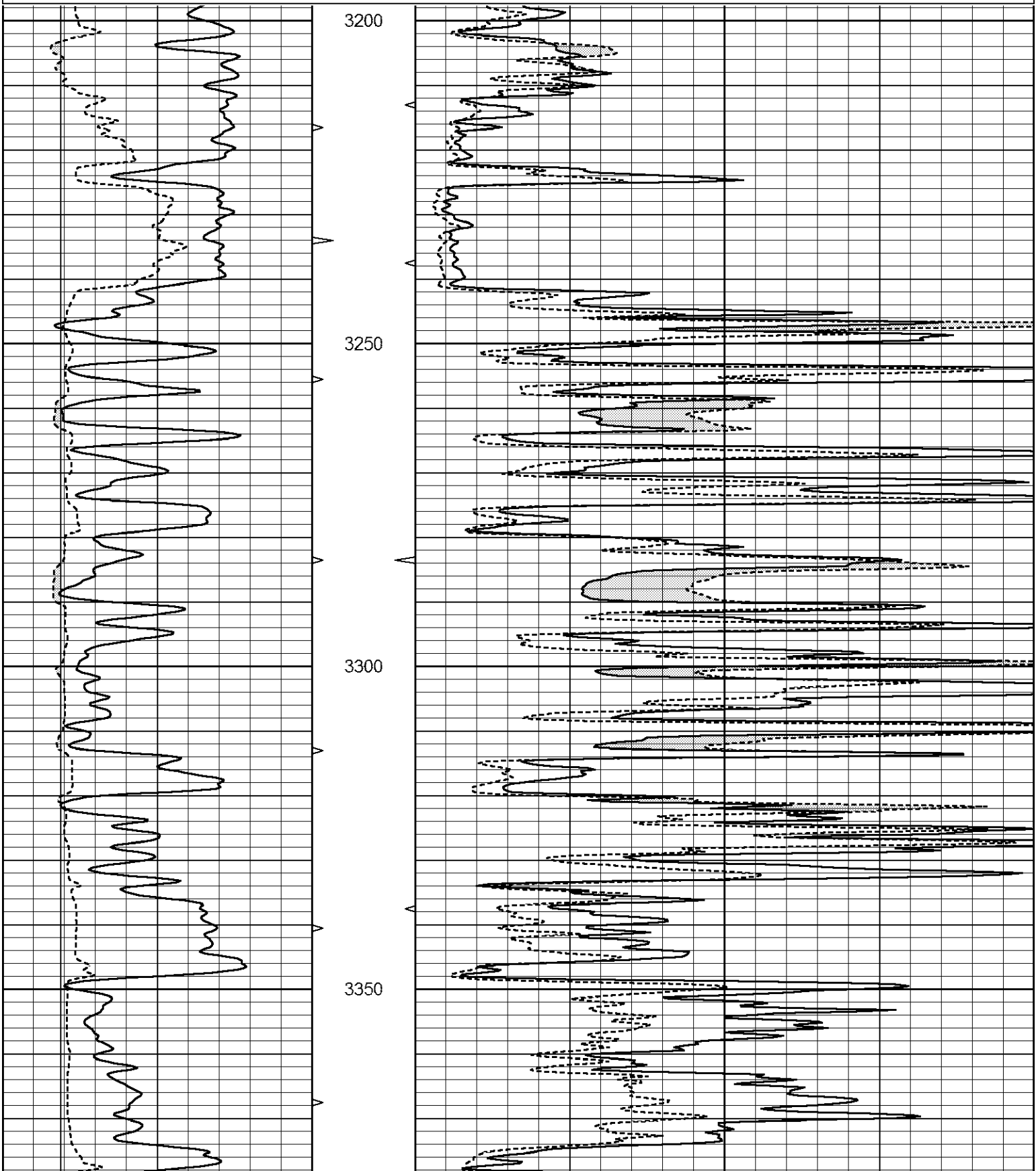
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
GOVE, KS. - 16 SOUTH TO RD. C - 2 WEST - NORTH INTO

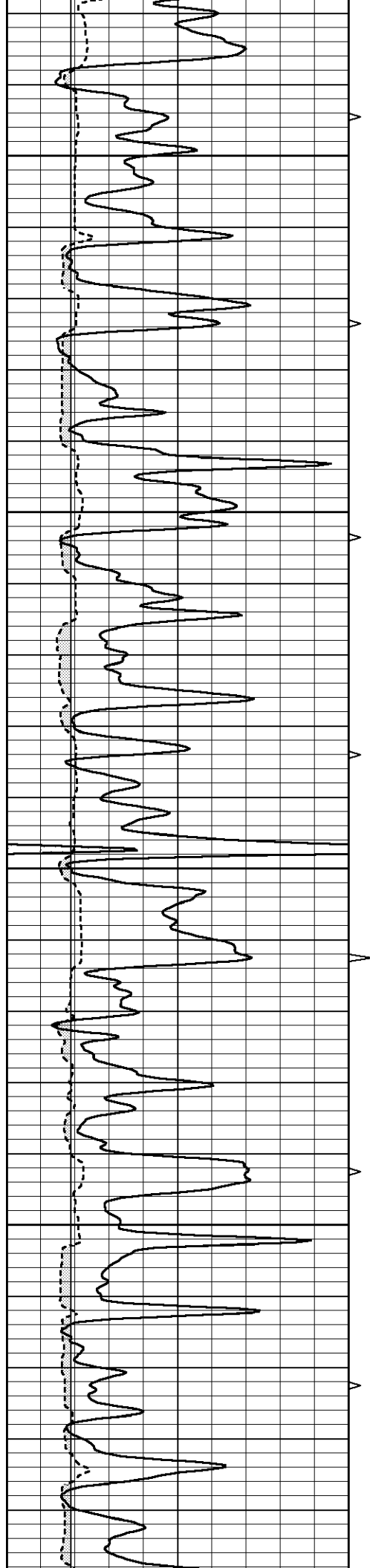


MAIN SECTION

Database File	3641ddn8.db
Dataset Pathname	pass6.1
Presentation Format	_micro
Dataset Creation	Wed Jun 05 10:48:17 2019
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		



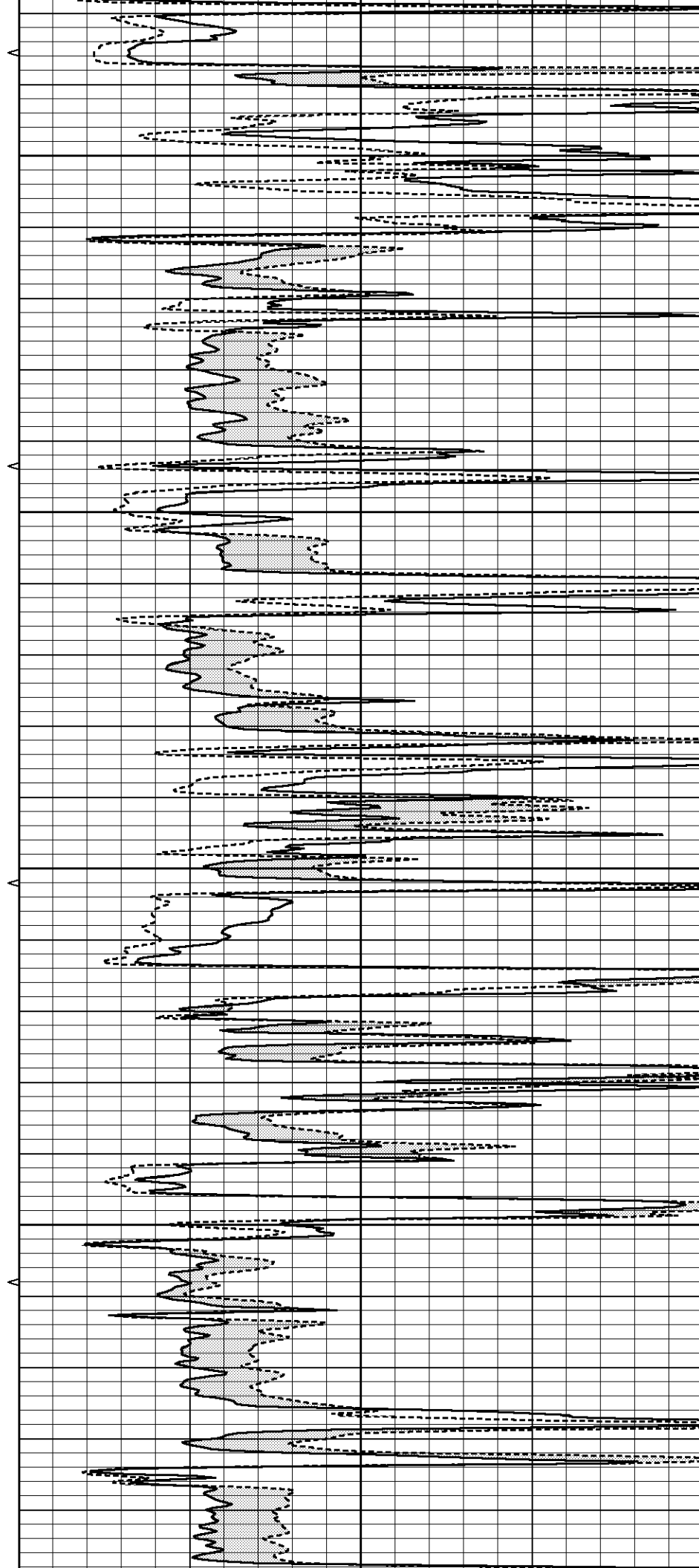


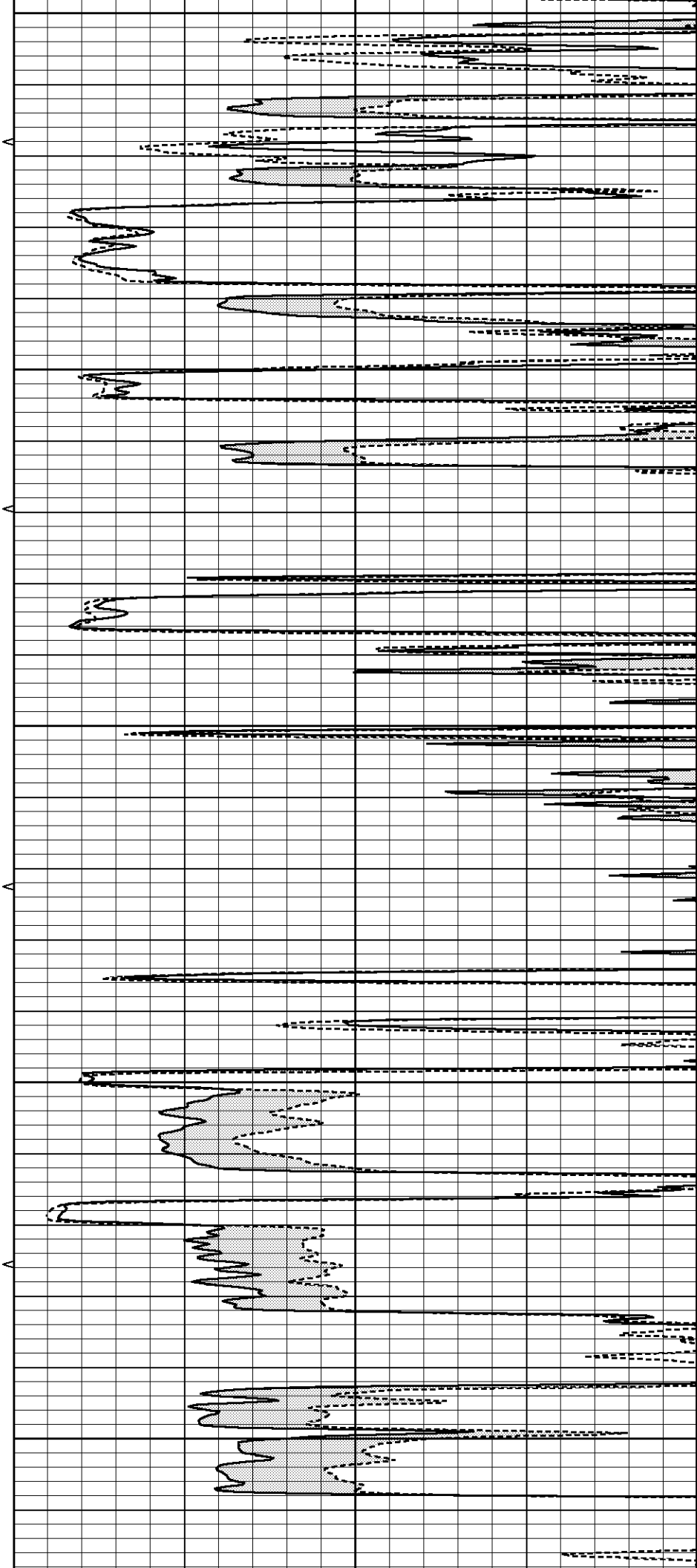
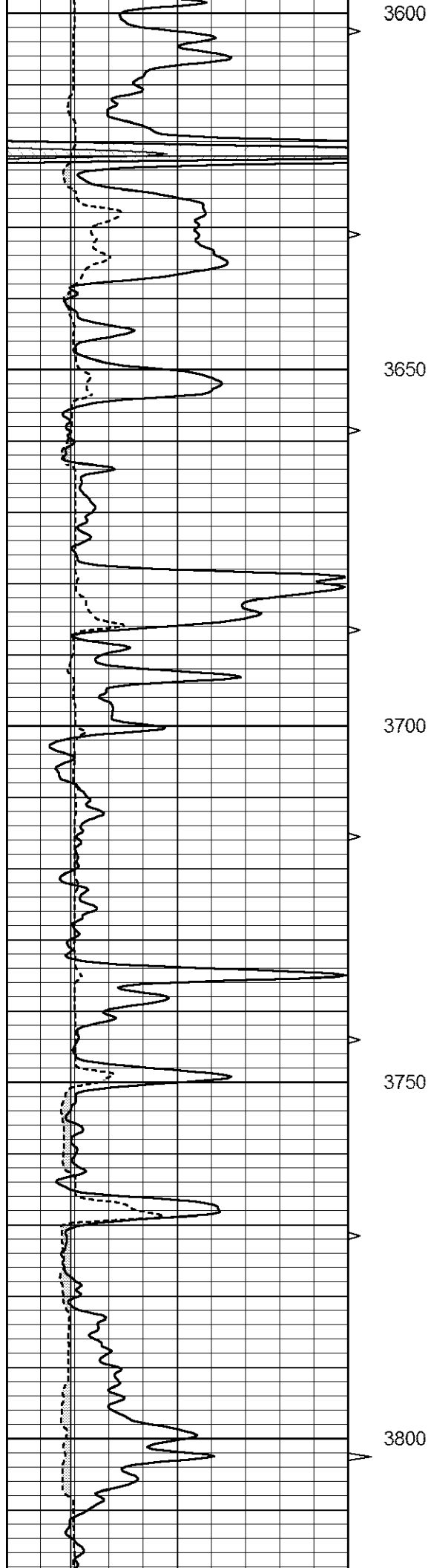
3400

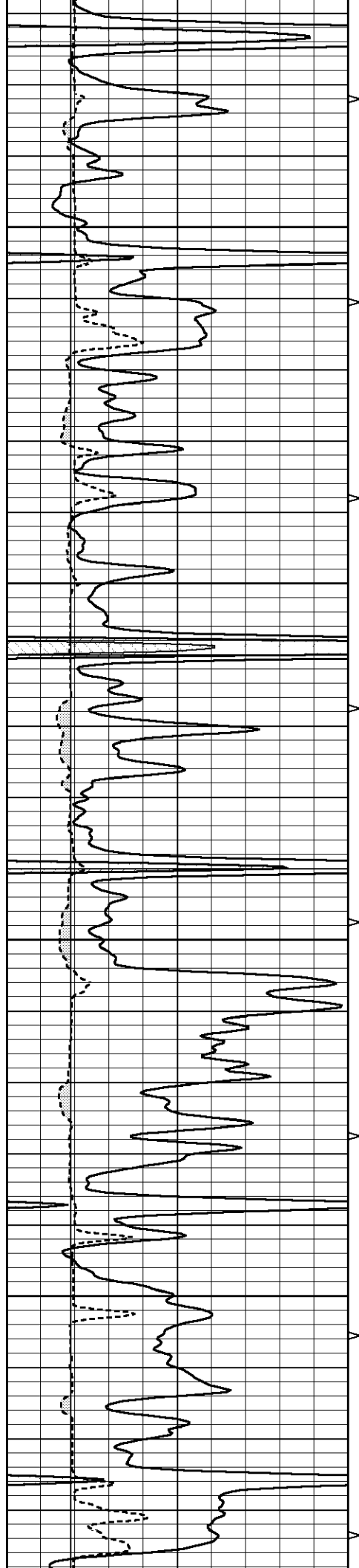
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3500

3550





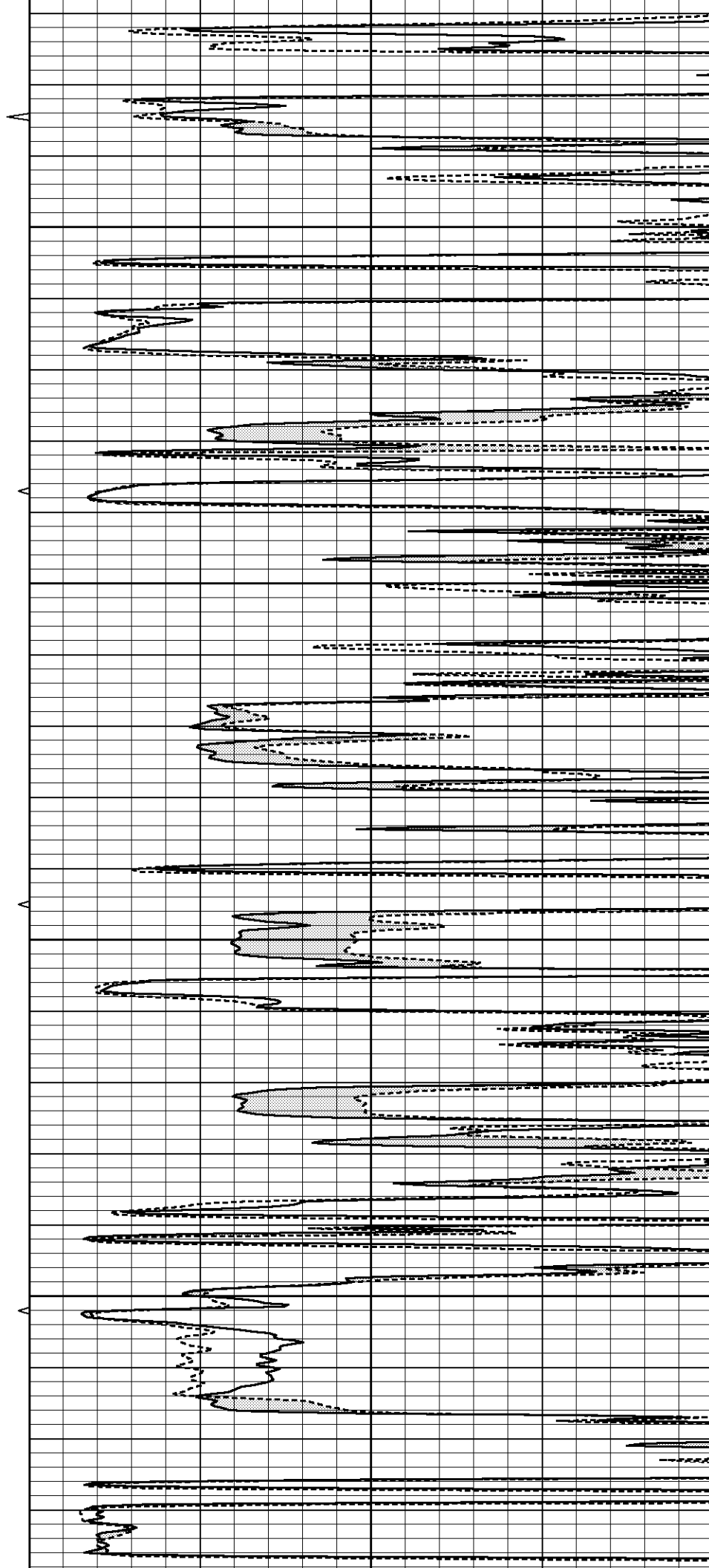


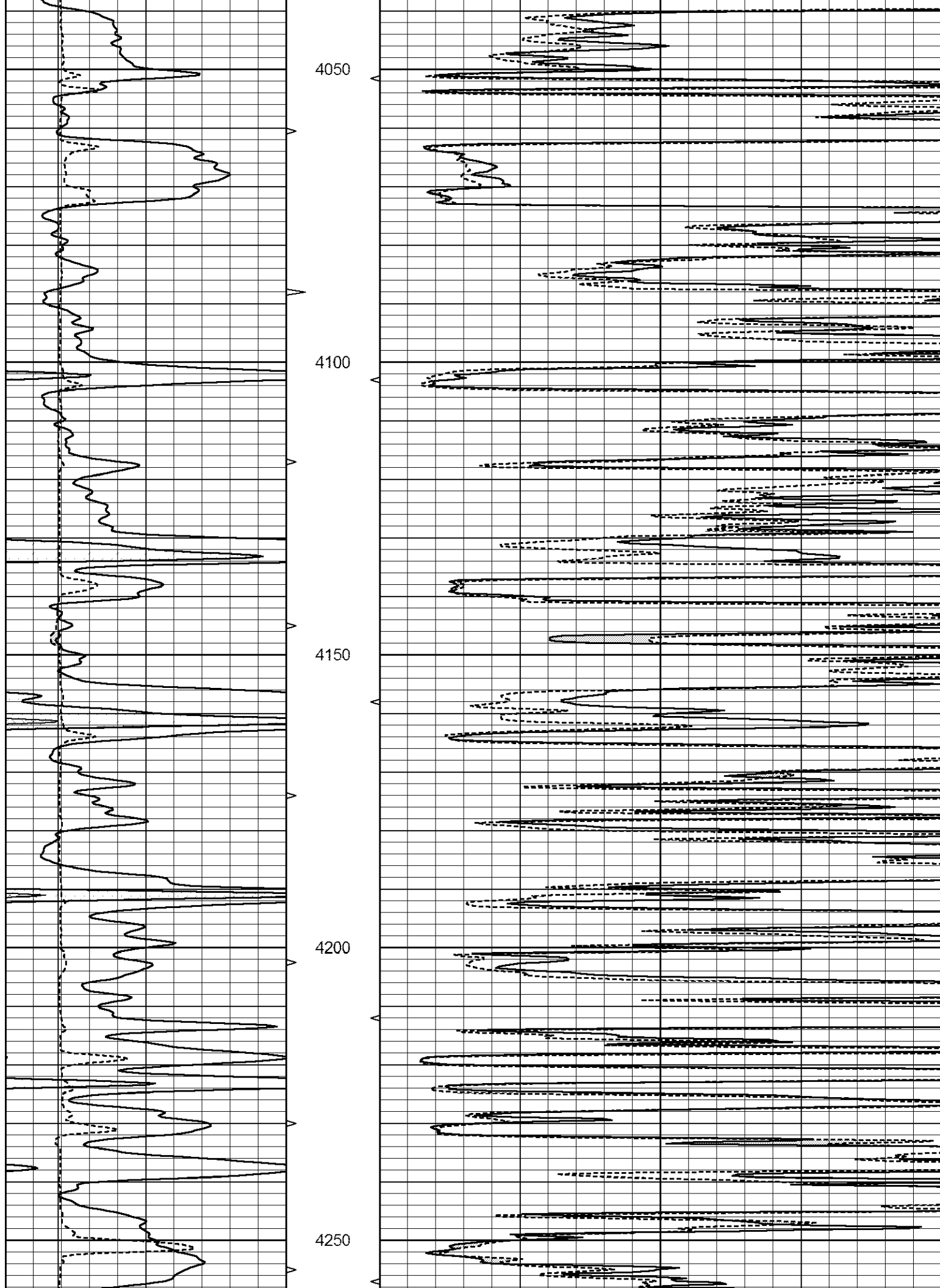
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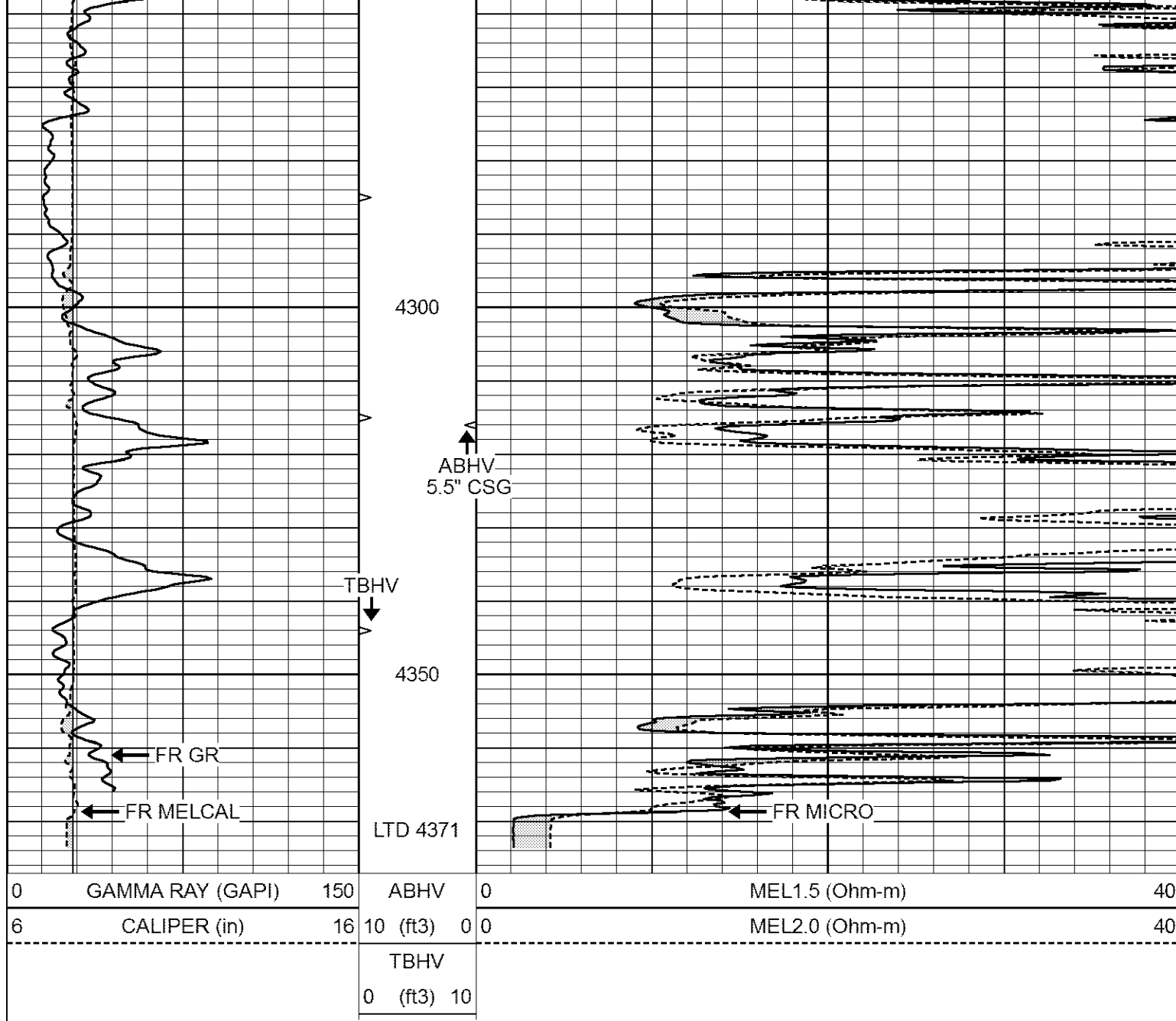
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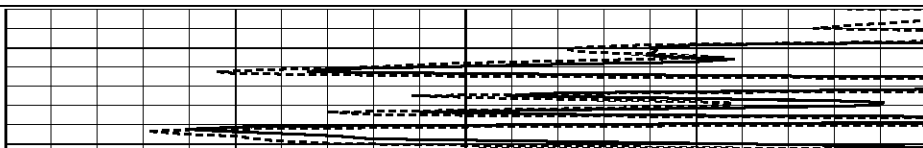
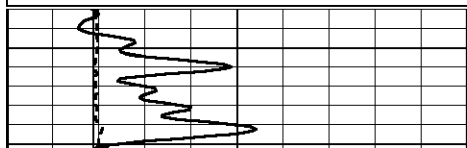


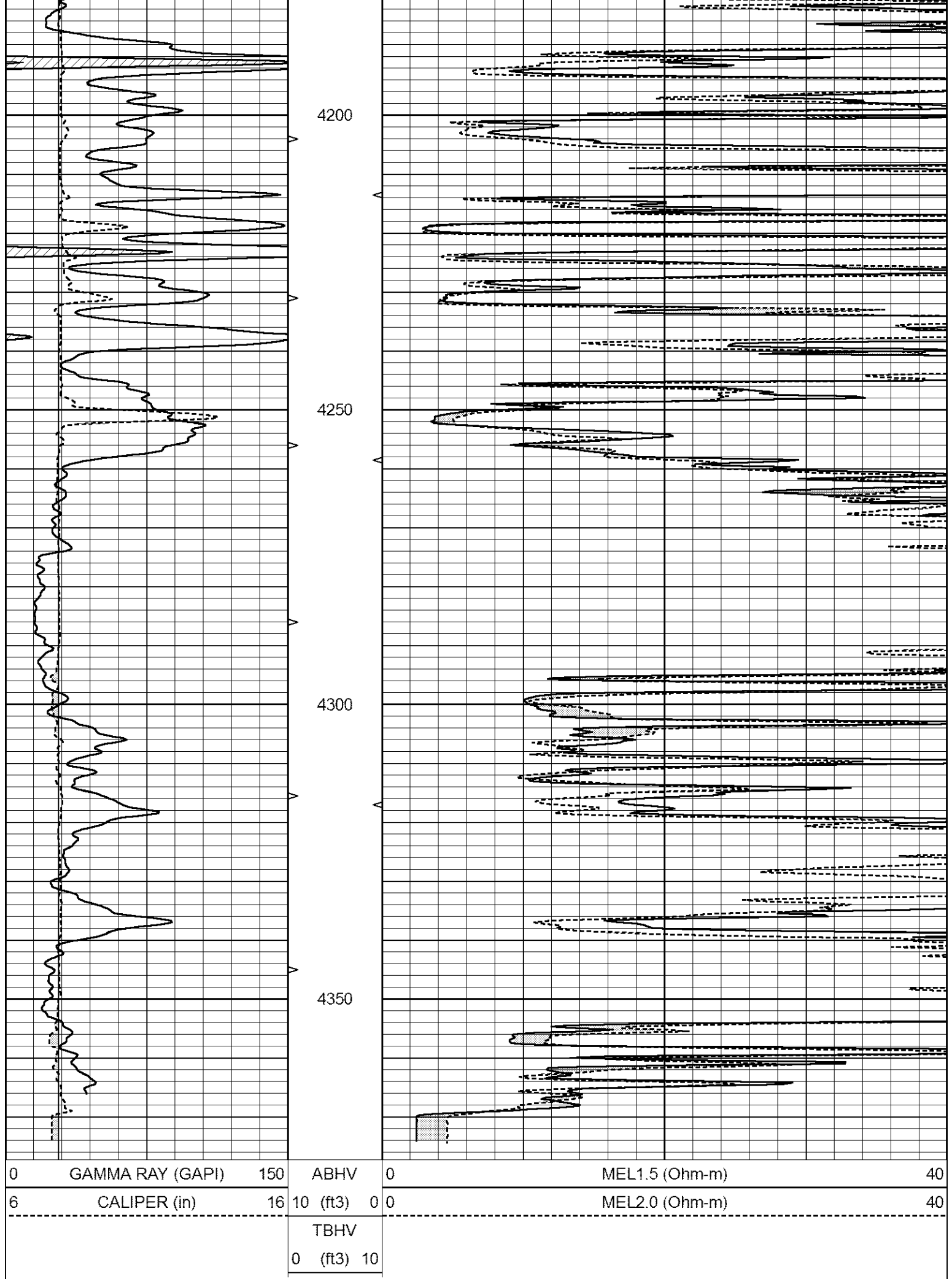


REPEAT SECTION

Database File 3641ddn8.db
 Dataset Pathname pass5.1
 Presentation Format _micro
 Dataset Creation Wed Jun 05 10:26:49 2019
 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 3641ddn8.db
Dataset Pathname pass5.1
Dataset Creation Wed Jun 05 10:26:49 2019

MICRO_USR Calibration Report

Serial Number:	070911
Tool Model:	ProbeL
Performed:	Thu May 16 15:44:34 2019

Caliper Calibration:	Gain=3.755	Offset=2.550
References	Low Cal	High Cal
Readings	8.000	14.000
	1.451	3.049

1.5" Calibration:	Gain=37.000	Offset=0.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.004	0.843

2" Calibration:	Gain=50.000	Offset=-0.650
References	Low Cal	High Cal
Readings	0.000	20.000
	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:	Mon Jan 21 19:38:56 2019

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2500	GAPI/cps