

MICRO LOG

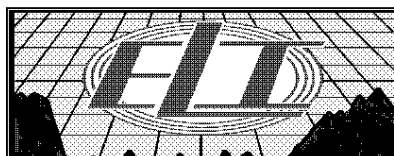
Company	PHILLIPS EXPLORATION, CO. L.C.
Well	HORCHEM #1-9 HP
Field	SMOKE HILL NORTHEAST
County	TREGO
State	KANSAS
Company	PHILLIPS EXPLORATION COMPANY, L.C.
Well	HORCHEM #1-9 HP
Field	SMOKE HILL NORTHEAST
County	TREGO
State	KANSAS
Location:	API # : 15-195-23096-0000
Permanent Datum	1760' FNL & 650' FEL
Log Measured From	SW - NE - SE - NE
Drilling Measured From	SEC 9 TWP 15S RGE 23W
GROUND LEVEL	Elevation 2263
KELLY BUSHING	5' A.G.L.
KELLY BUSHING	Elevation 2263
Other Services	CDL/CNL
DIL	
Date	10/4/19
Run Number	TWO
Depth Driller	4326
Depth Logger	4324
Bottom Logged Interval	4322
Top Log Interval	3200
Casing Driller	8 5/8"@208'
Casing Logger	208
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.1/55
pH / Fluid Loss	9.0/7.8
Source of Sample	FLOWLINE
Rim @ Meas. Temp	1.00@84F
Rmf @ Meas. Temp	.750@84F
Rmc @ Meas. Temp	.900@84F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.706@119F
Time Circulation Stopped	4 HOURS
Time Logger on Bottom	9:45 A.M.
Maximum Recorded Temperature	119F
Equipment Number	922339
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	ZEB STEWART

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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

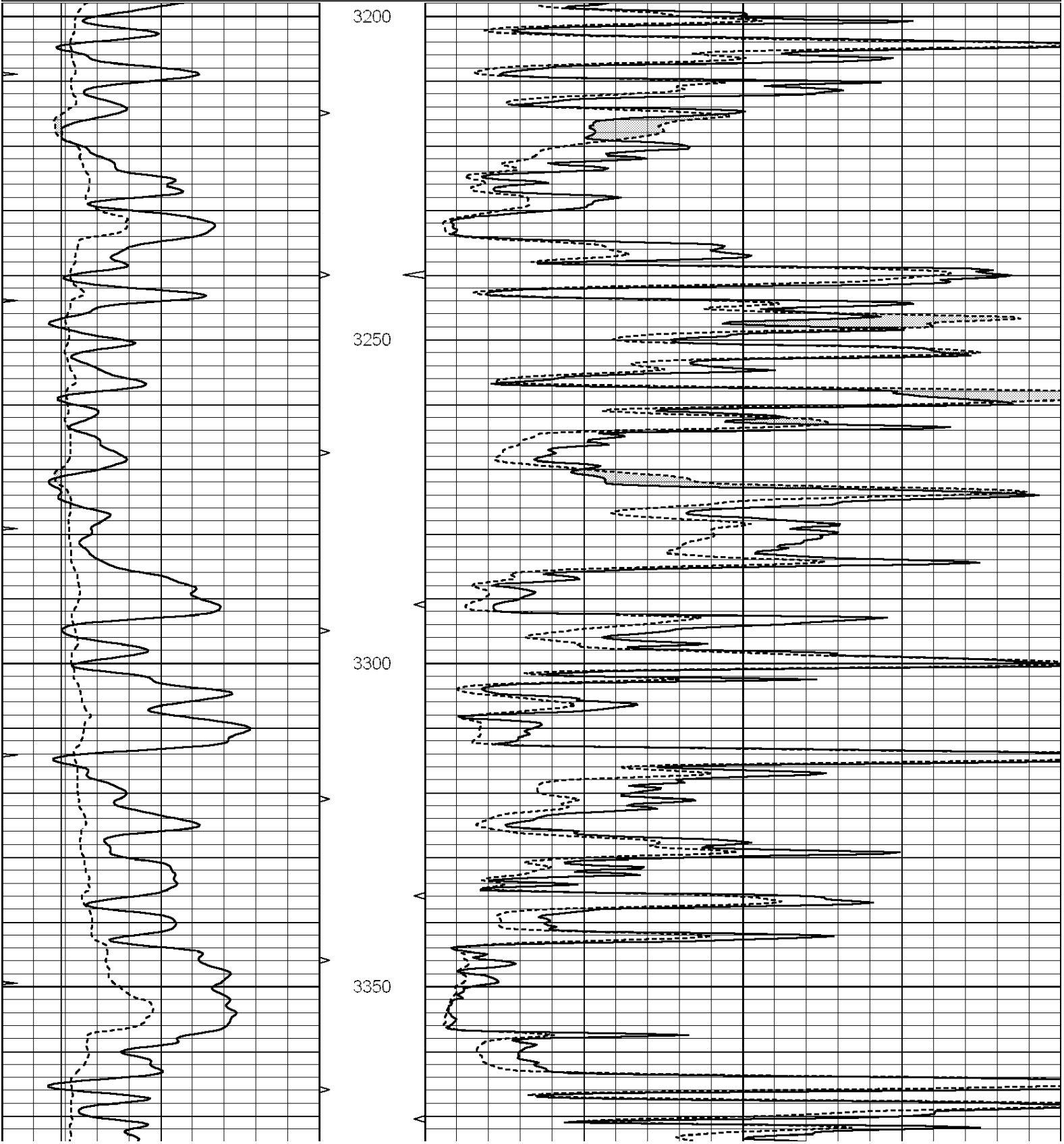
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
WAKEENEY, KS. & I-70, 18S. ON HWY 283 TO "AA RD.", 1E., 1/2 N. INTO

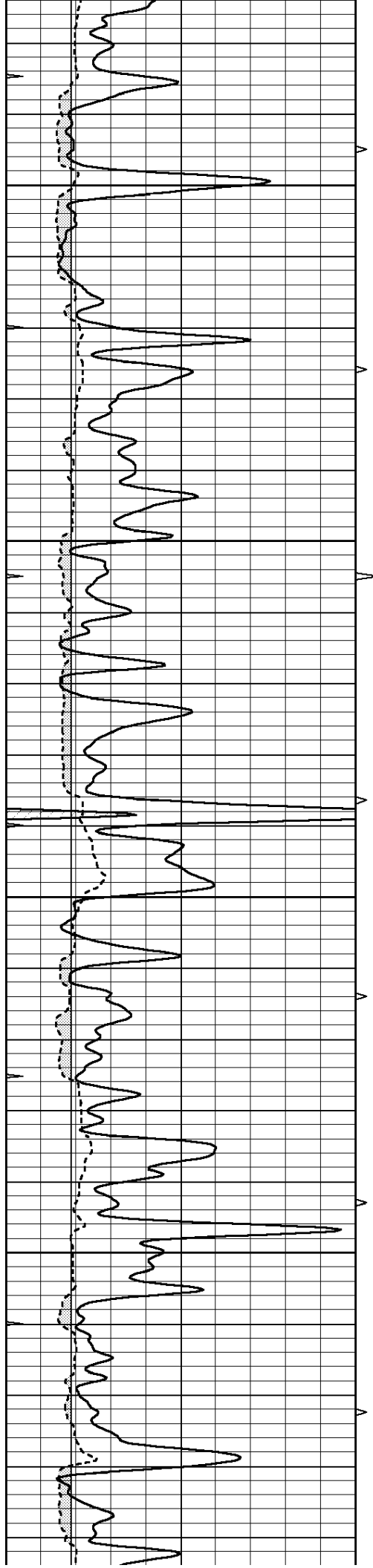


MAIN SECTION

Database File: 3969ddn.db
Dataset Pathname: pass6.3
Presentation Format: micro
Dataset Creation: Fri Oct 04 10:14:49 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	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



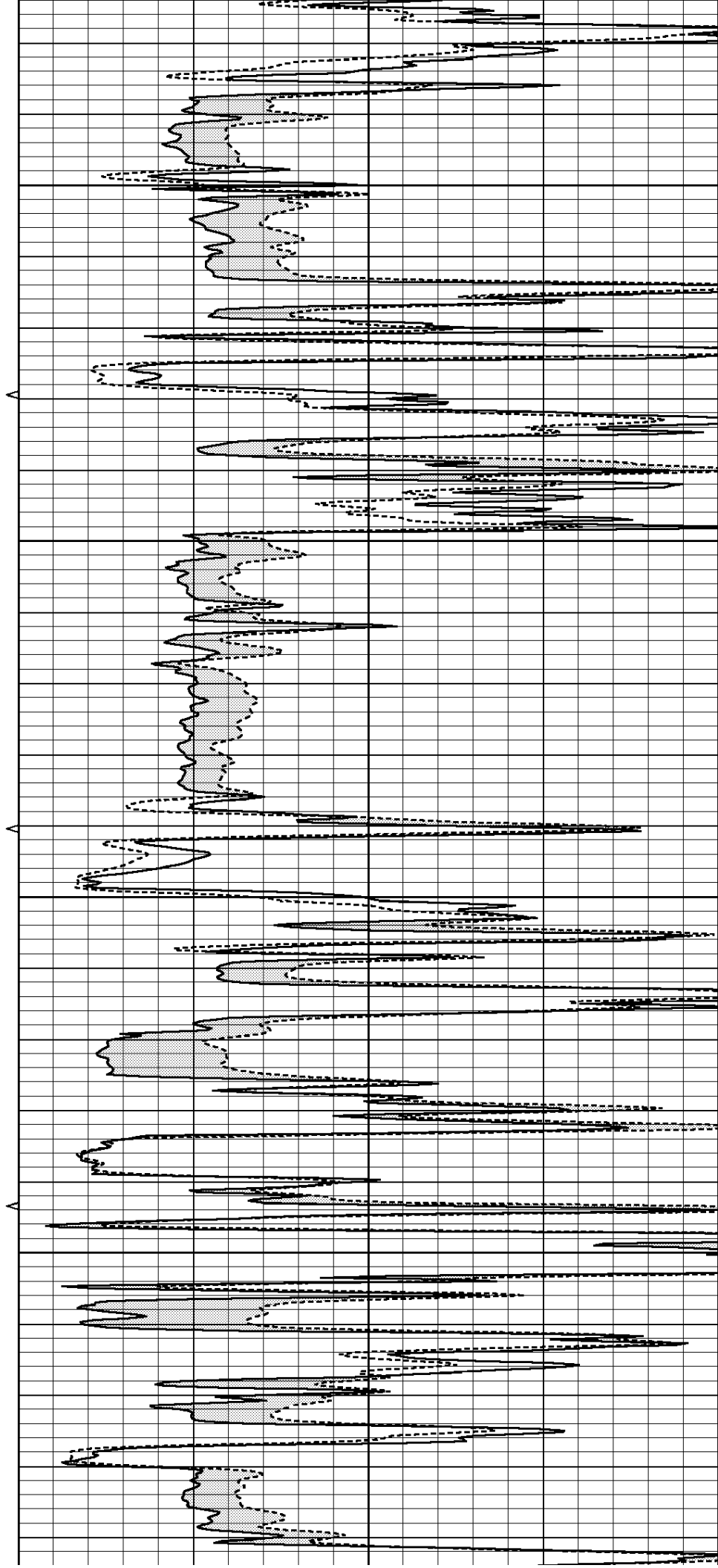


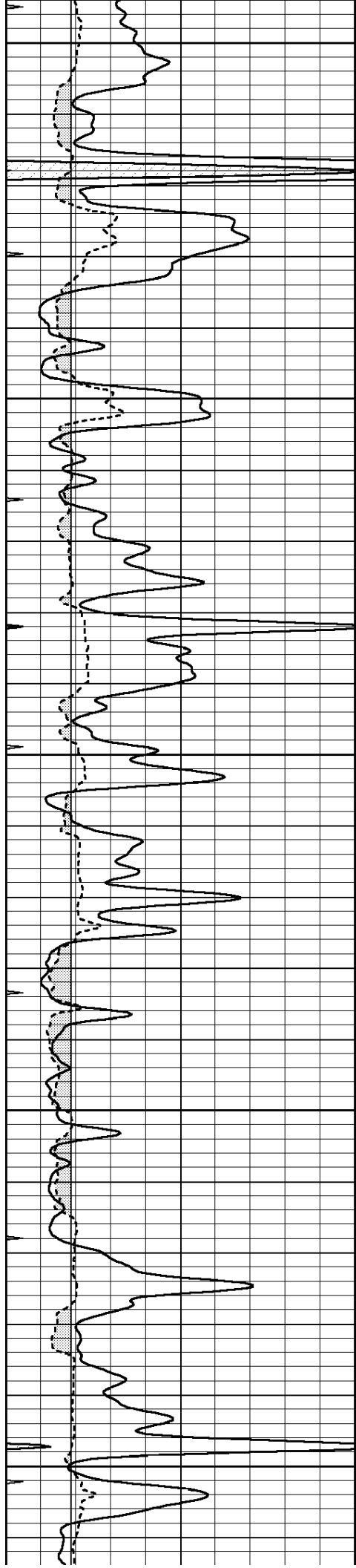
3400

3450

3500

3550





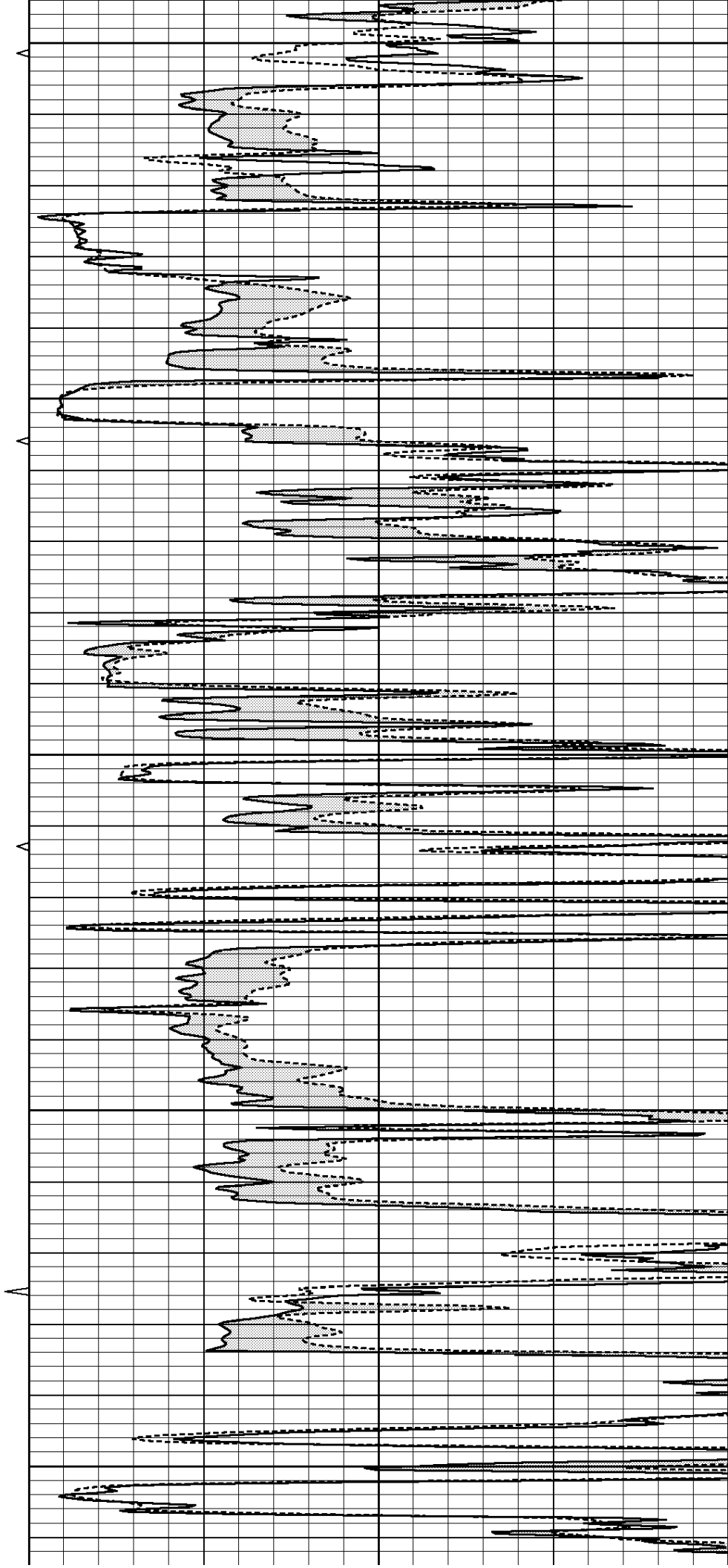
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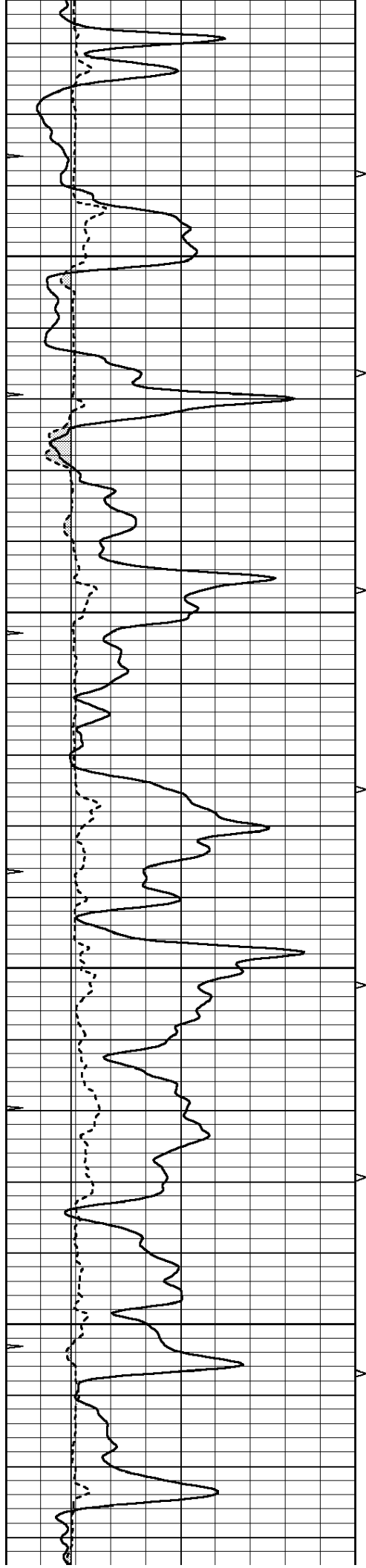
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3700

3750

3800



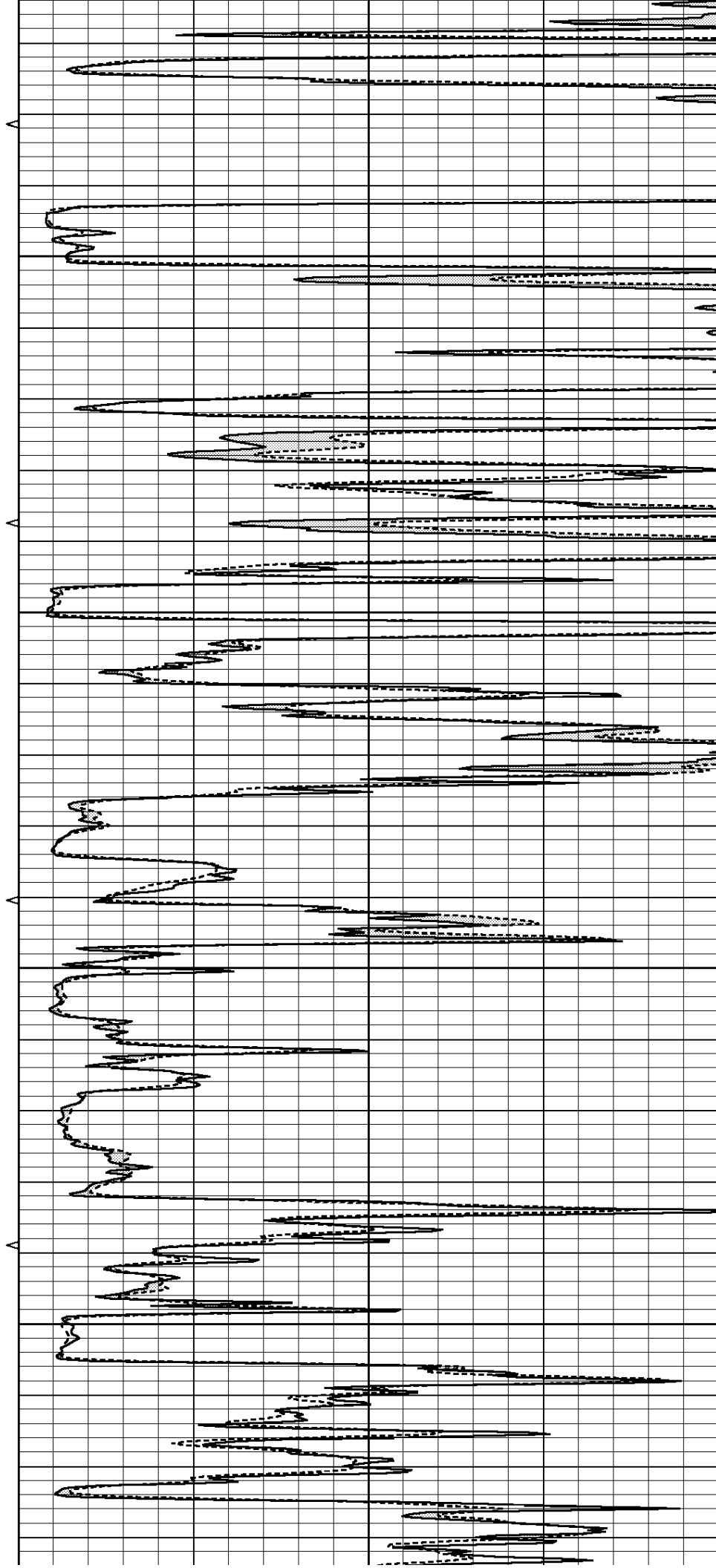


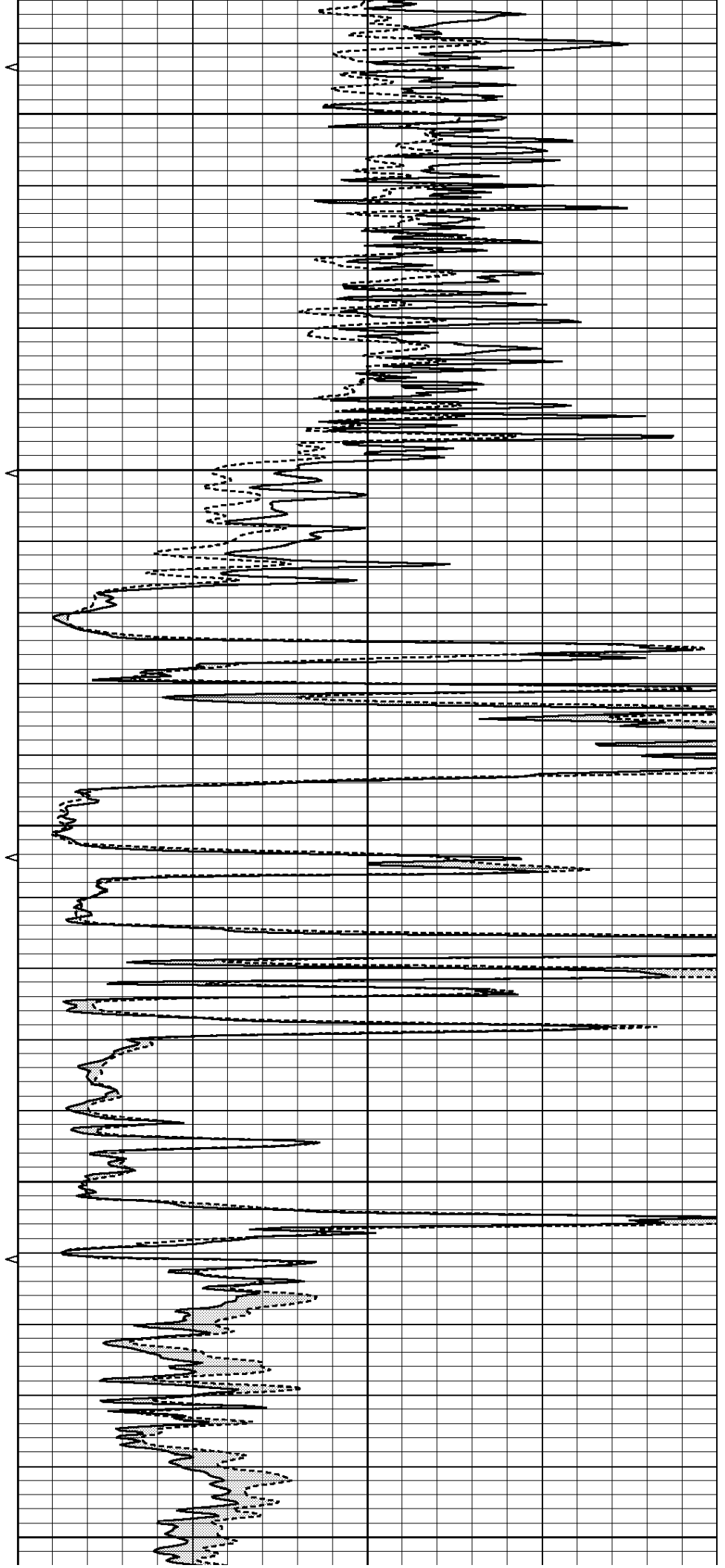
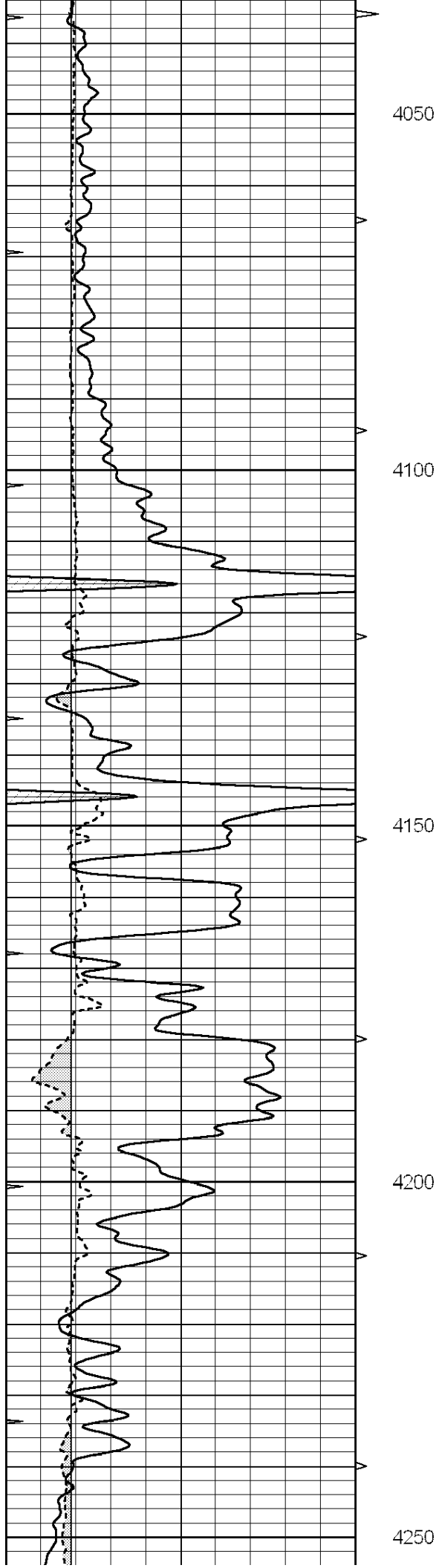
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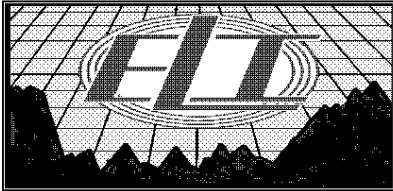
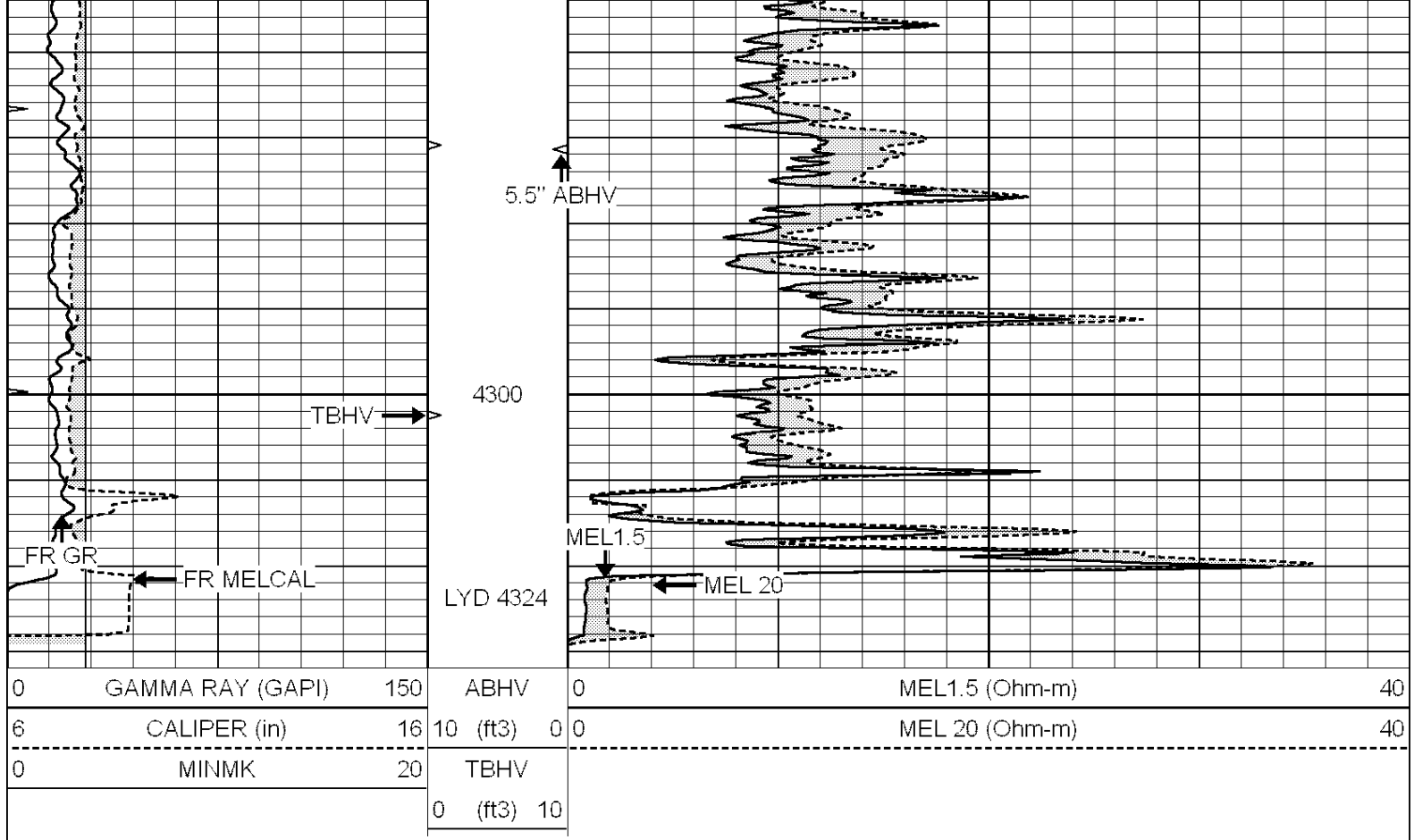
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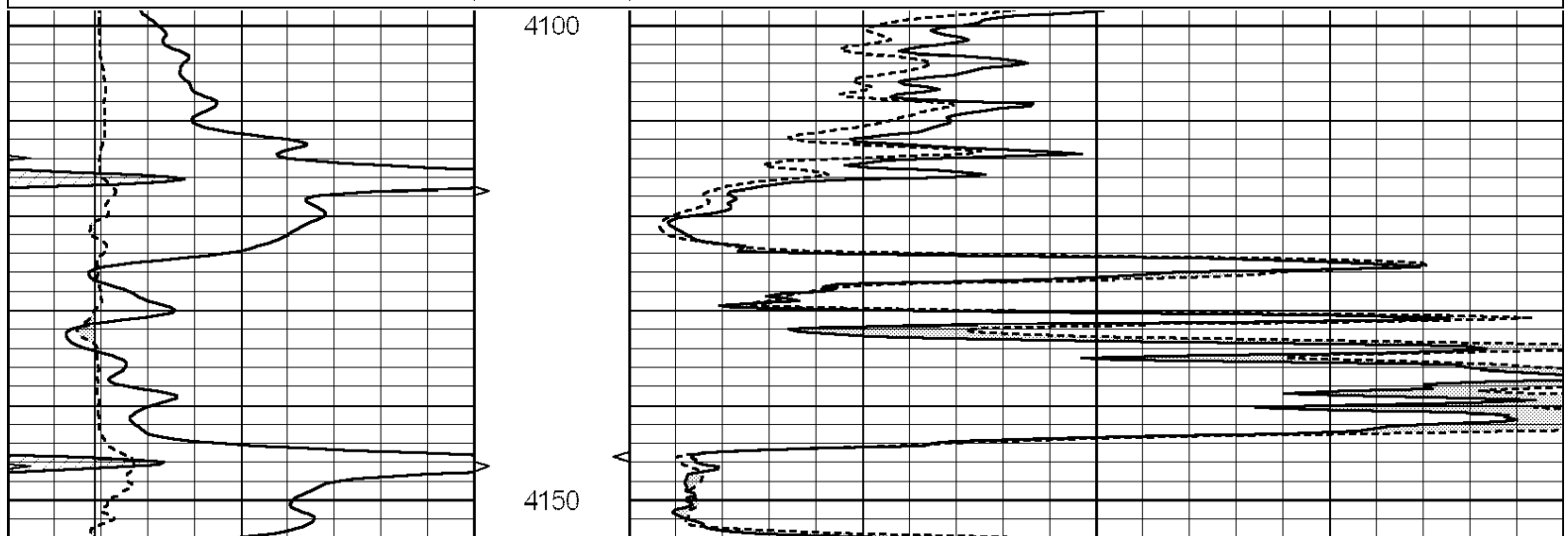
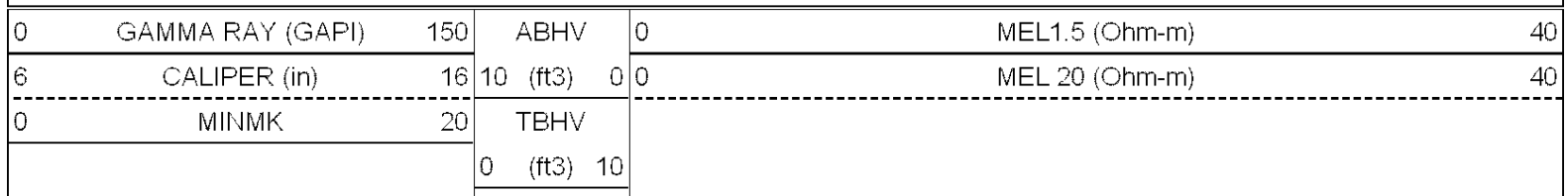


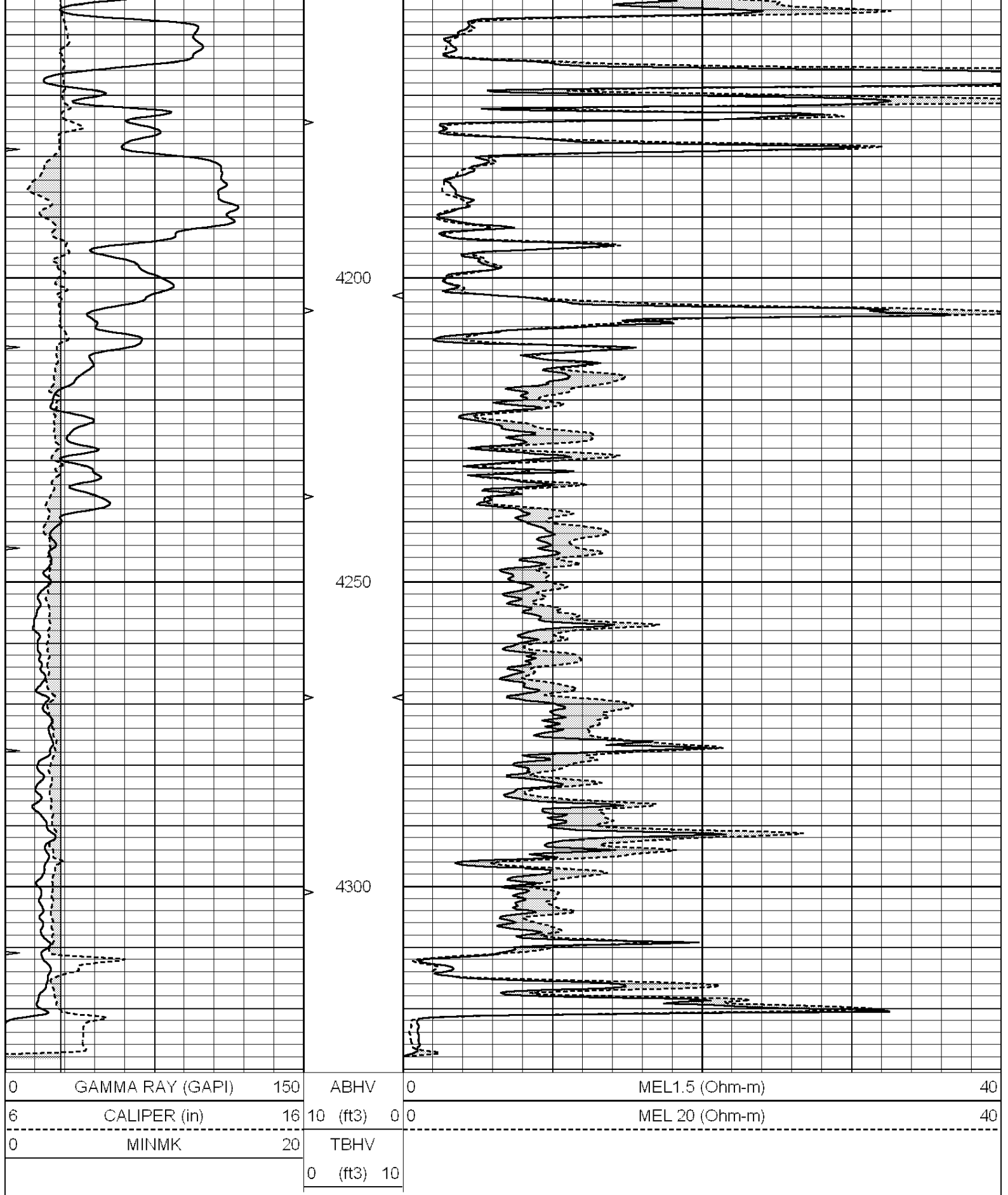




REPEAT SECTION

Database File: 3969ddn.db
 Dataset Pathname: pass5.7
 Presentation Format: micro
 Dataset Creation: Fri Oct 04 09:38:14 2019 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 3969ddn.db
Dataset Pathname: pass6.3
Dataset Creation: Fri Oct 04 10:14:49 2019

MICRO Calibration Report

Serial Number:	070911
Tool Model:	ProbeN
Performed:	Fri Oct 04 09:33:36 2019

Caliper Calibration:	Gain=6.154	Offset=0.615
	Low Cal	High Cal
References	8.000	16.000
Readings	1.200	2.500

1.5" Calibration:	Gain=34.000	Offset=0.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.001	1.240

2" Calibration:	Gain=40.000	Offset=0.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.001	1.076

Gamma Ray Calibration Report

Serial Number:	070559	
Tool Model:	OPEN_GR	
Performed:	Fri Sep 06 03:11:30 2019	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2400	GAPI/cps