



MICRO LOG

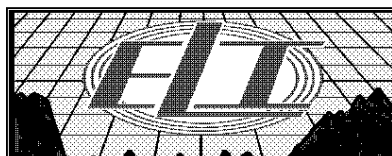
Company		HARTMAN OIL COMPANY, INC.	
Well		BURGESS #4	
Field		ARNOLD SOUTHWEST	
County		NESS	
State		KANSAS	
Location:		API # : 15-135-26052-0000 1030' FNL & 2940' FEL SW - SE - NE - NW	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 5' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 32 TWP 16S RGE 25W		Elevation K.B. 2564 D.F. 2562 G.L. 2559	
Date	2/3/19		
Run Number	TWO		
Depth Driller	4600		
Depth Logger	4600		
Bottom Logged Interval	4598		
Top Log Interval	3600		
Casing Driller	8 5/8"@260'		
Casing Logger	260		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6,400 PPM	
Density / Viscosity	9.4/70		
pH / Fluid Loss	10.0/8.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.750@80F		
Rmf @ Meas. Temp	.563@80F		
Rmc @ Meas. Temp	.900@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.496@121F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	12:15 A.M.		
Maximum Recorded Temperature	121F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	CHRIS PETERS		

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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

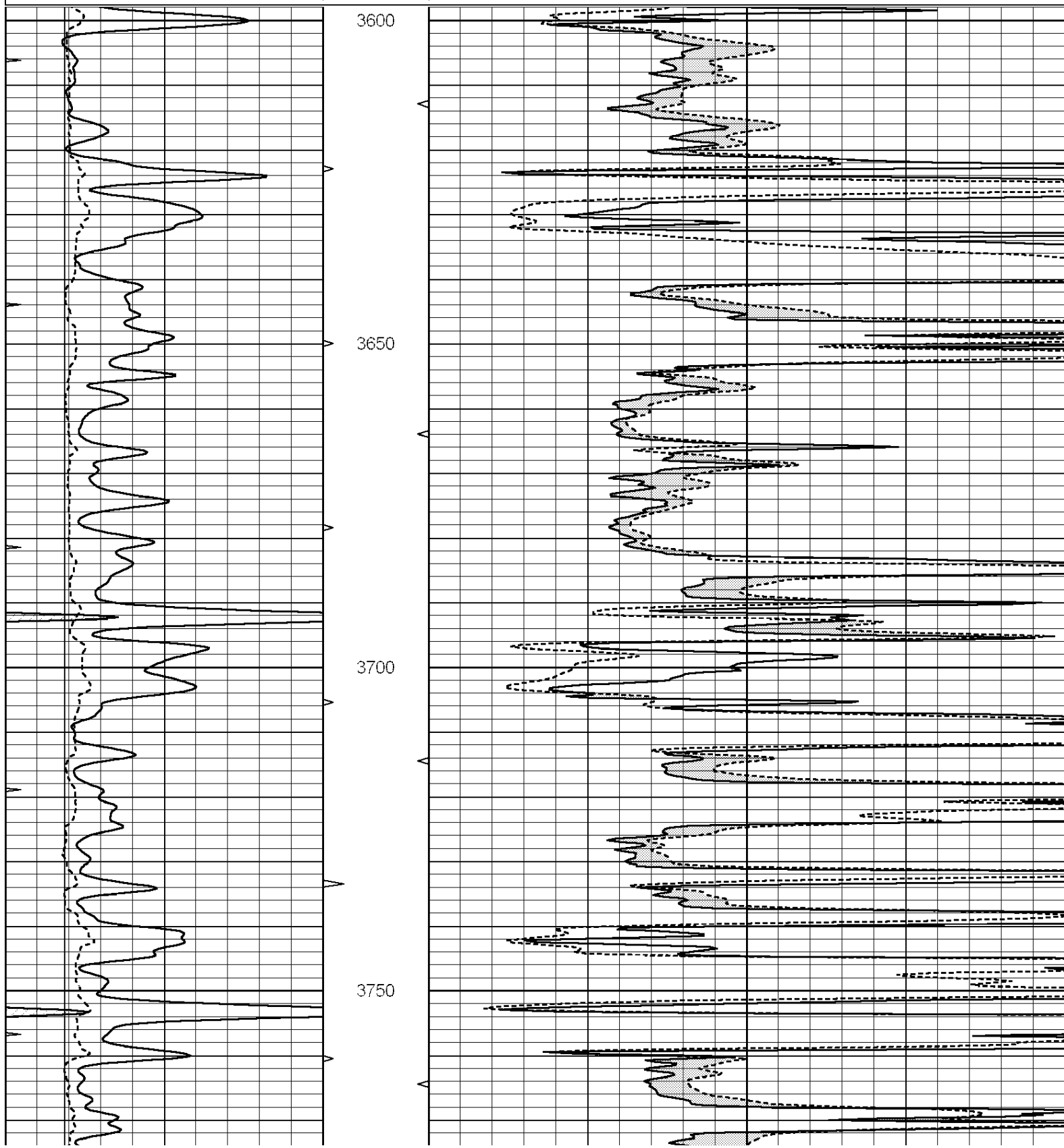
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
ARNOLD, KS., 3W. ON HWY 4 TO "RD. H", 1S., 1/2W., S. INTO AT TANK BATTERY

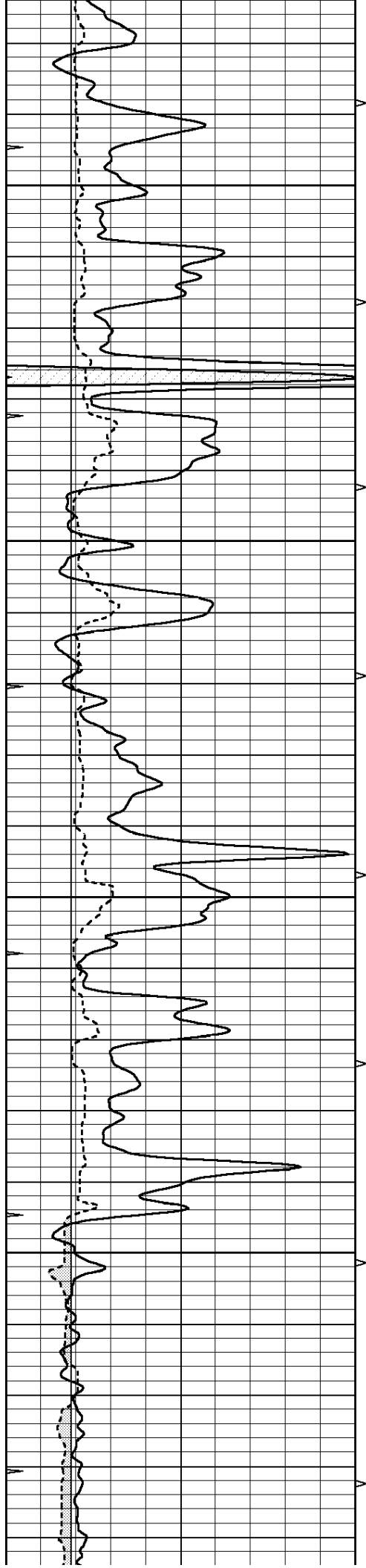


MAIN SECTION

Database File: 3337pe.db
Dataset Pathname: pass6.2
Presentation Format: micro
Dataset Creation: Sun Feb 03 00:42:16 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		



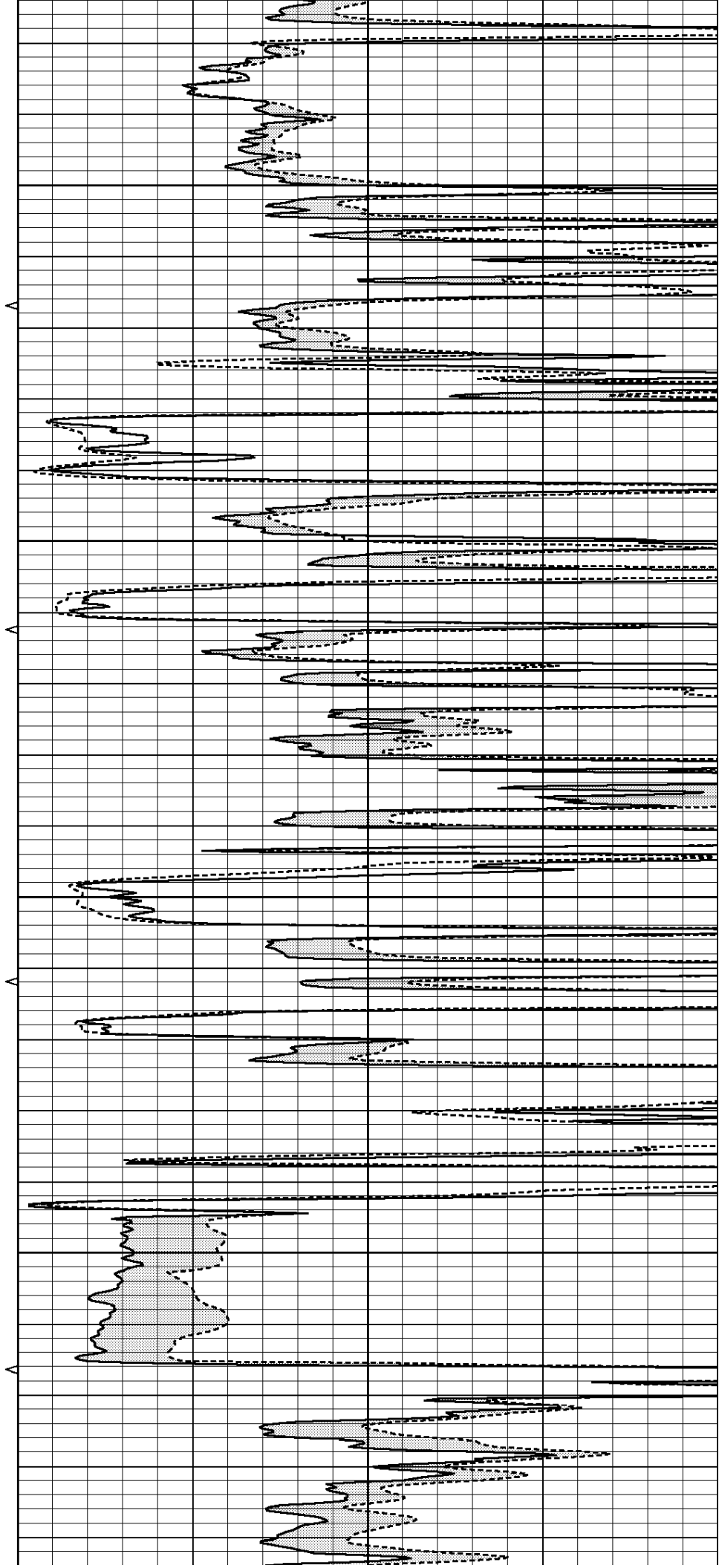


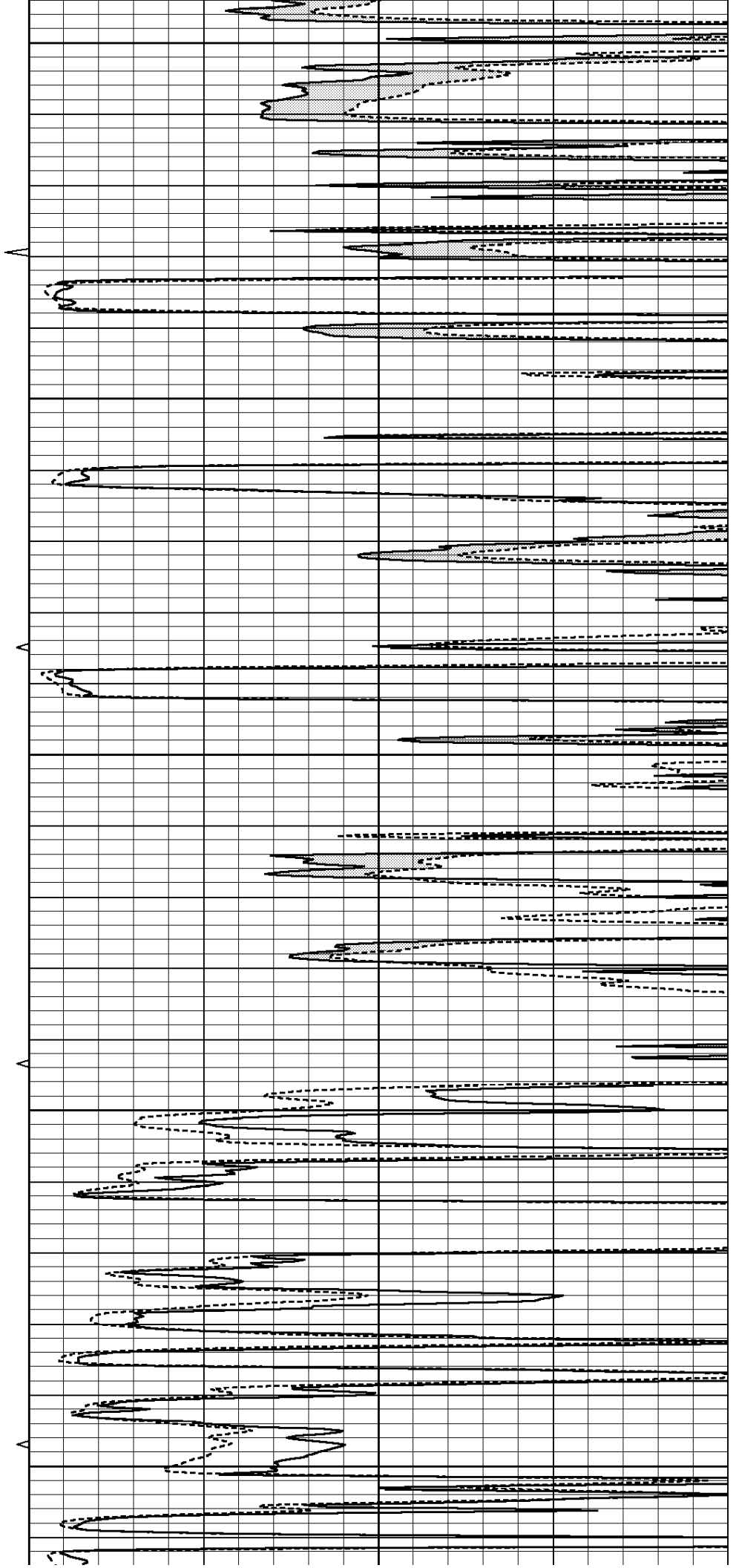
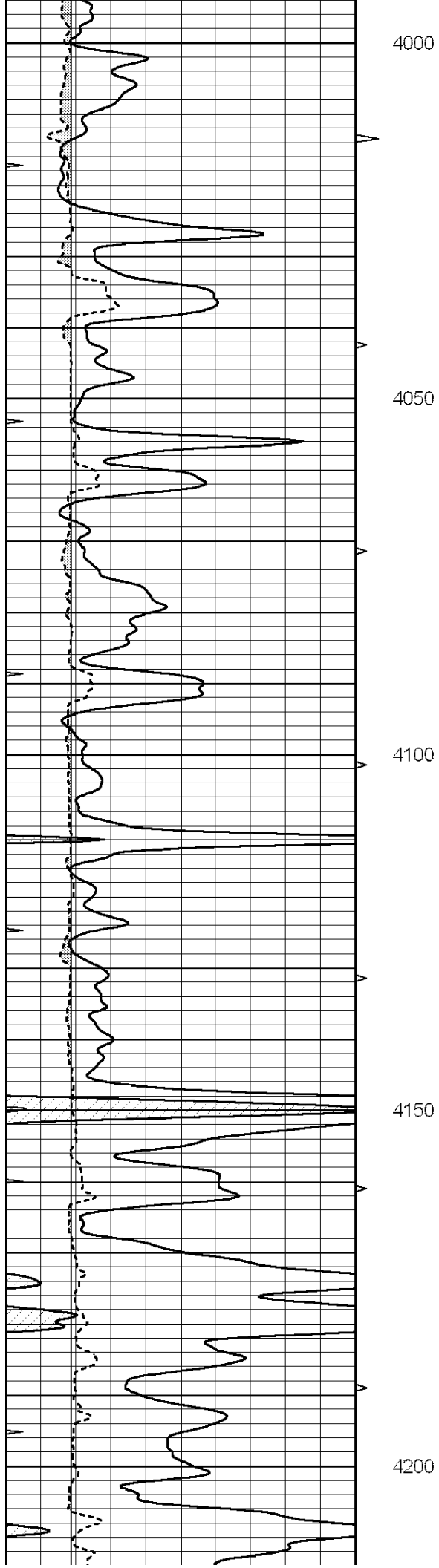
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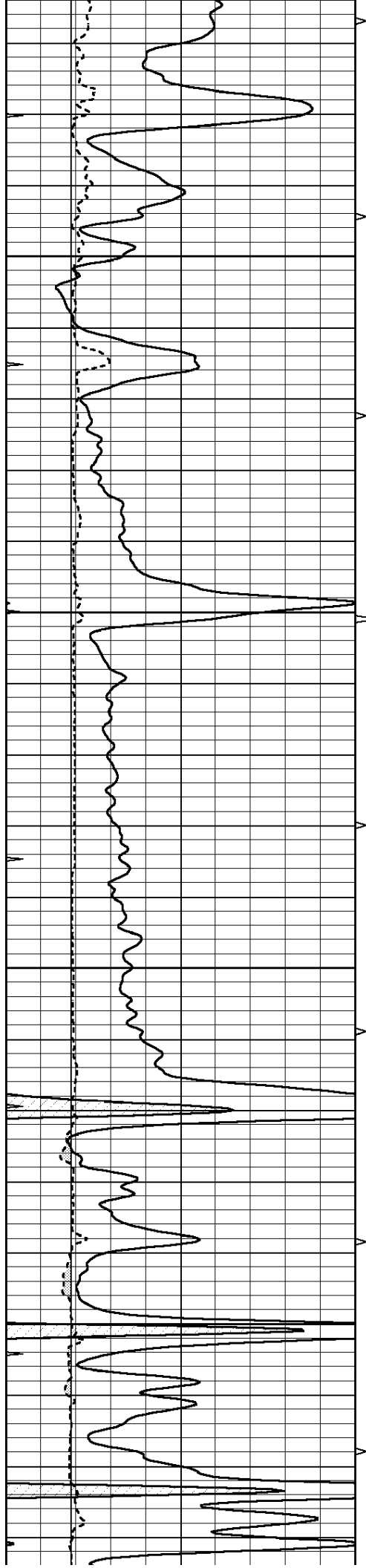
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3900

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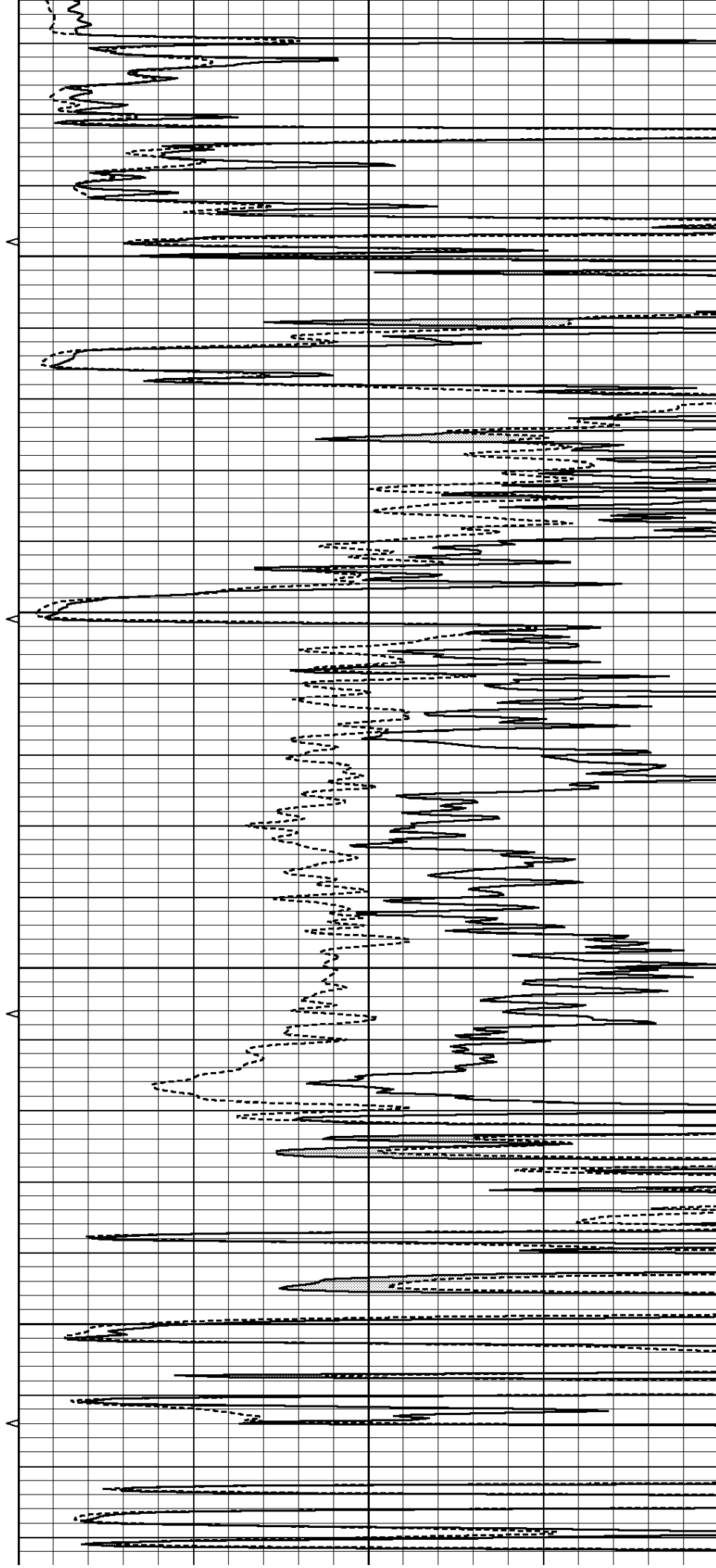


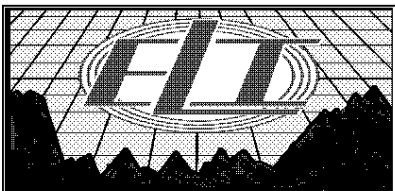
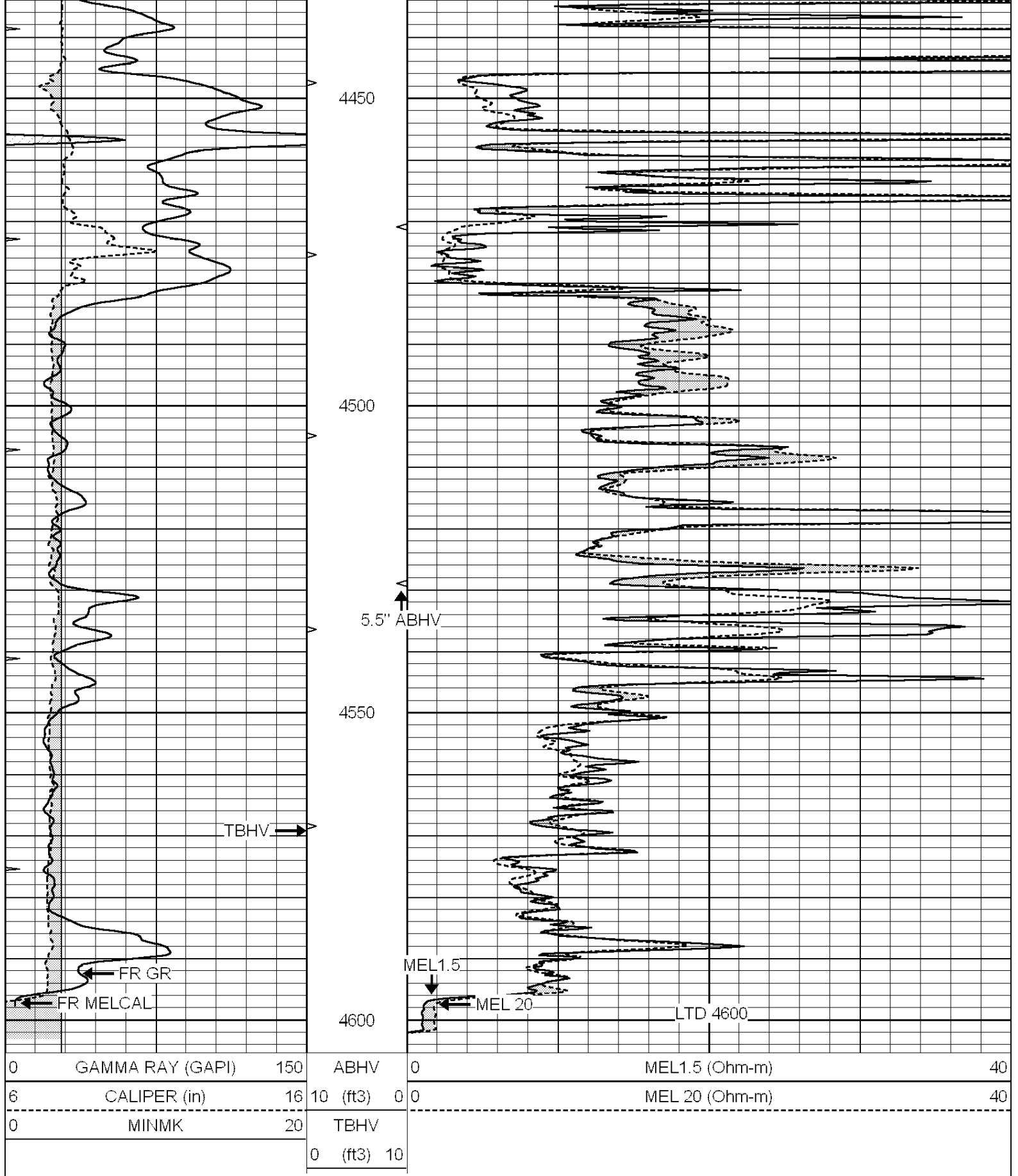
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4300

4350

4400

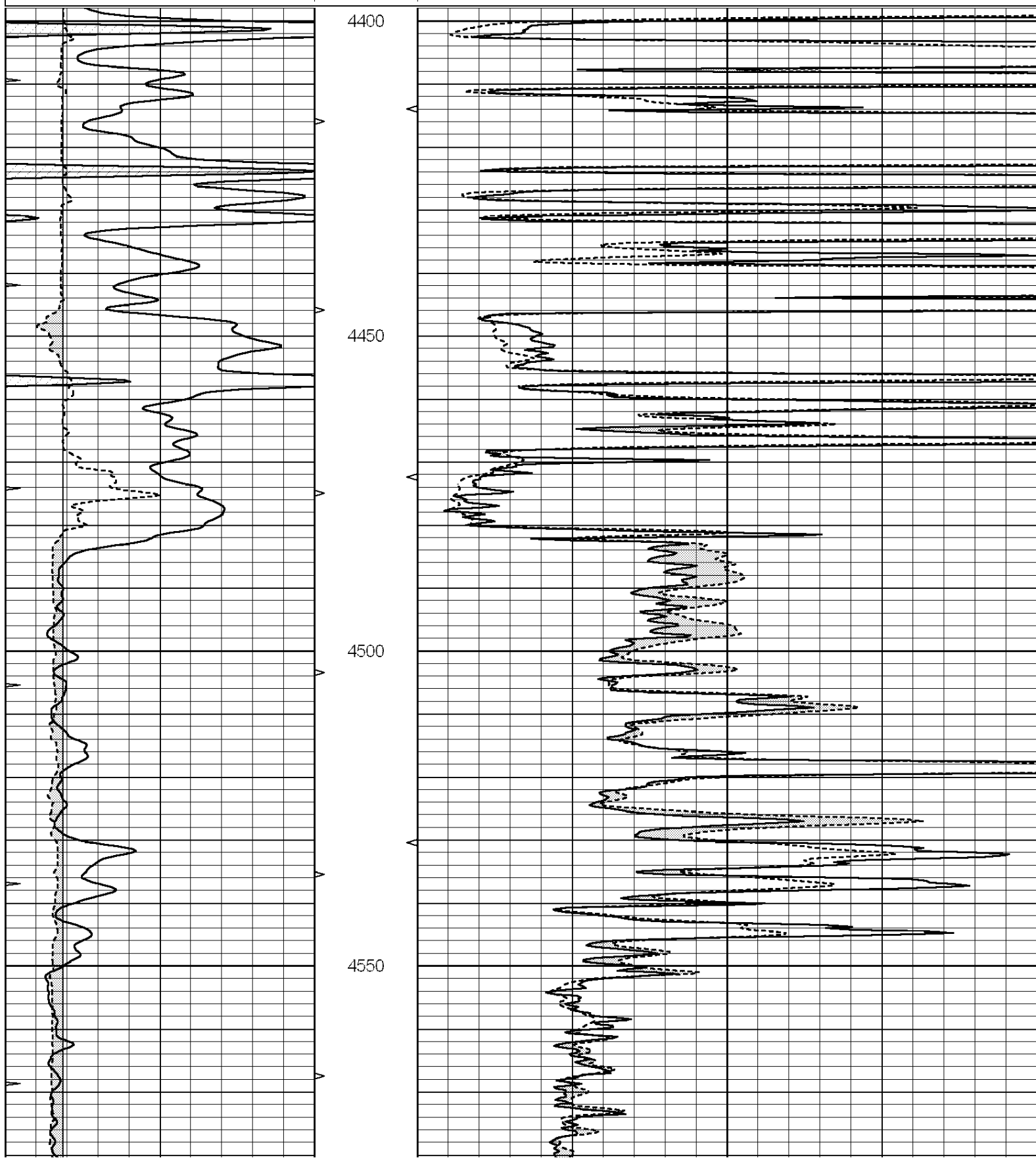


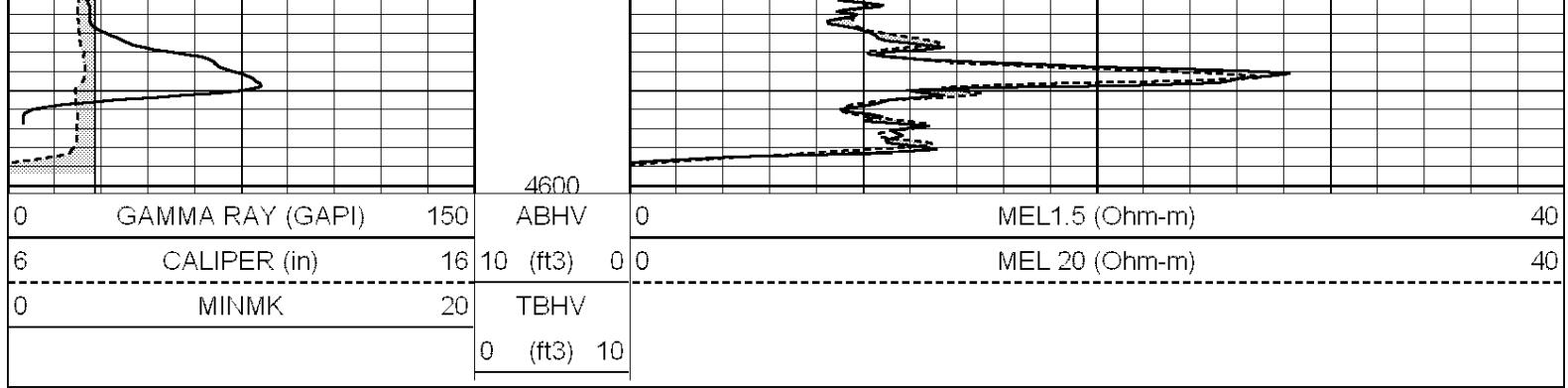


REPEAT SECTION

Database File: 333/pe.db
Dataset Pathname: pass5.2
Presentation Format: micro
Dataset Creation: Sun Feb 03 00:08:08 2019 by Calc SOC 120430
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	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report			
Database File:	3337pe.db		
Dataset Pathname:	pass6.2		
Dataset Creation:	Sun Feb 03 00:42:16 2019		
MICRO Calibration Report			
Serial Number:	070911		
Tool Model:	ProbeN		
Performed:	Sun Feb 03 00:06:08 2019		
Caliper Calibration:	Gain=4.917	Offset=1.808	
	Low Cal	High Cal	
References	8.200	20.000	
Readings	1.300	3.700	
1.5" Calibration:	Gain=60.000	Offset=-2.800	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.001	1.240	
2" Calibration:	Gain=65.000	Offset=-3.000	
	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:	Tue Dec 18 20:50:11 2018		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.2300	GAPI/cps	