



MICRO LOG

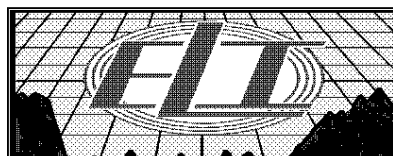
Company	MULL DRILLING COMPANY, INC.		
Well	#1-20 PHILLIPS		
Field	WILDCAT		
County	HODGEMAN		
State	KANSAS		
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Field	WILDCAT		
County	HODGEMAN		
State	KANSAS		
Location:	API # : 15-083-21961-0000 2250' FSL & 779' FWL SW - NE - NW - SW		
Permanent Datum	GROUND LEVEL	Elevation	2388
Log Measured From	KELLY BUSHING 5' A.G.L.		
Drilling Measured From	KELLY BUSHING		
SEC 20	TWP 24S	RGE 23W	
Date	11/5/18		
Run Number	TWO		
Depth Driller	4823		
Depth Logger	4822		
Bottom Logged Interval	4807		
Top Log Interval	3800		
Casing Driller	8 5/8"@218'		
Casing Logger	218		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,600 PPM	
Density / Viscosity	9.4/52		
pH / Fluid Loss	9.5/10.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.580@65F		
Rmf @ Meas. Temp	.435@65F		
Rmc @ Meas. Temp	.696@65F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.307@123F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	12:45 P.M.		
Maximum Recorded Temperature	123F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	PHIL ASKEY		

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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

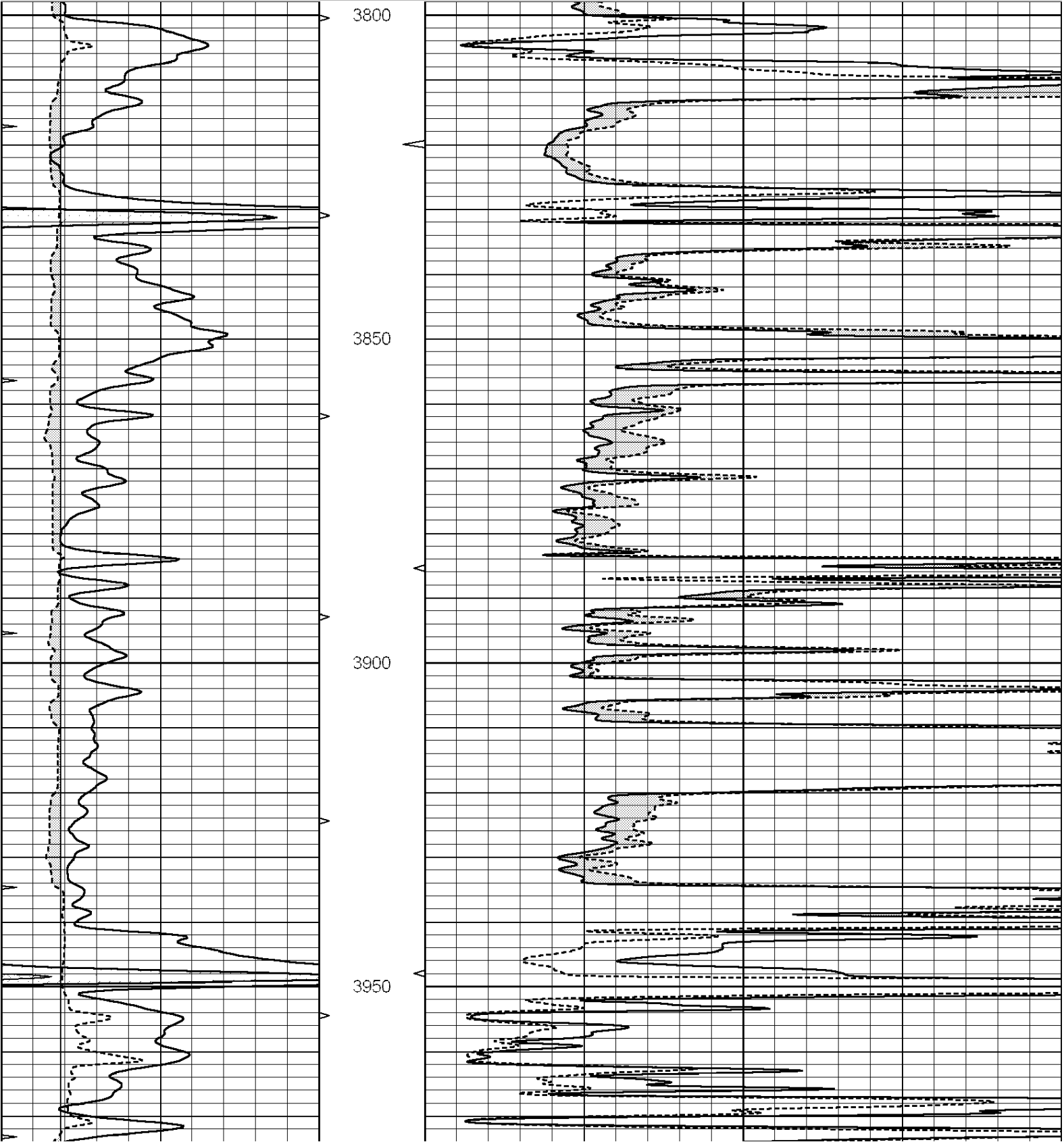
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
JETMORE, KS., 10S. ON HWY 283 TO "RD. C", 1E., 1/2 N. INTO OLD FARMSTEAD

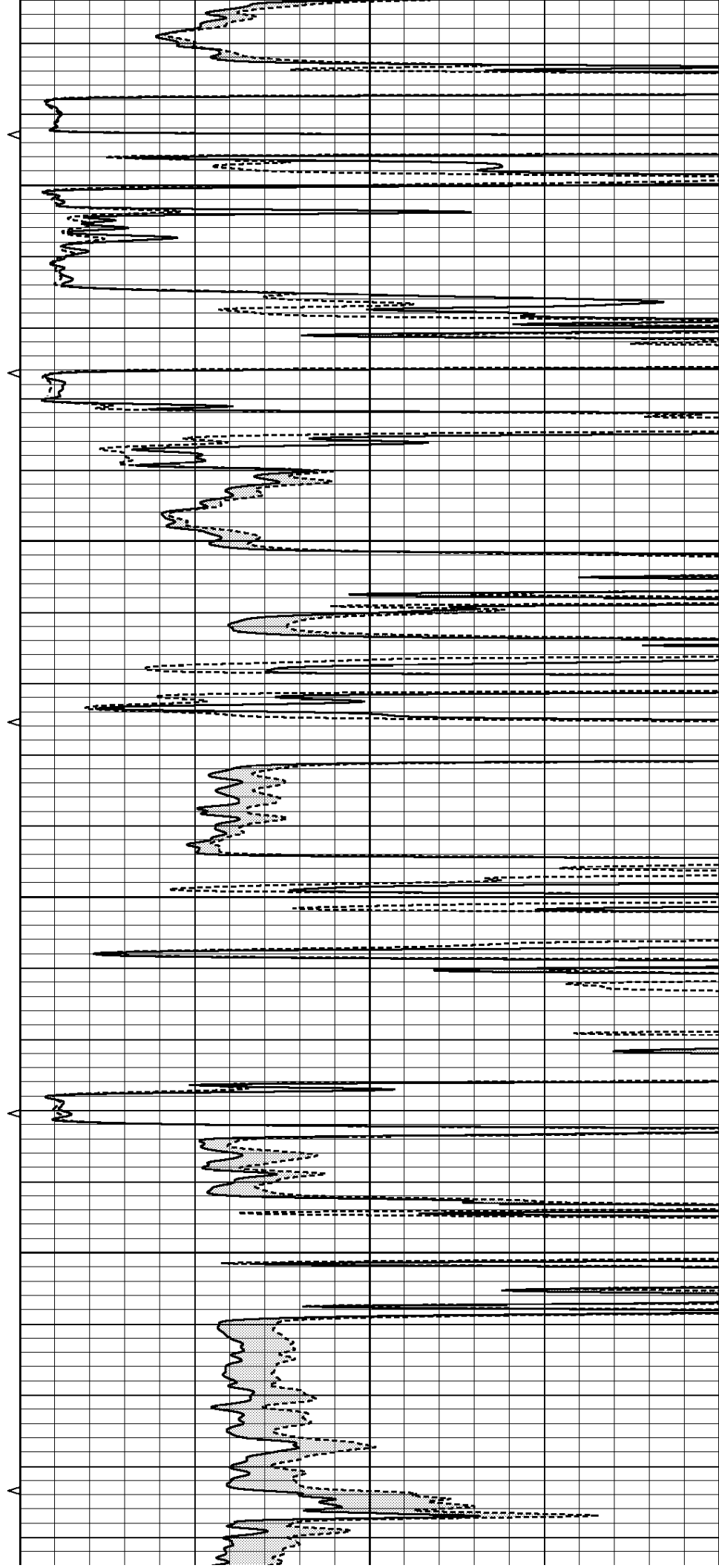
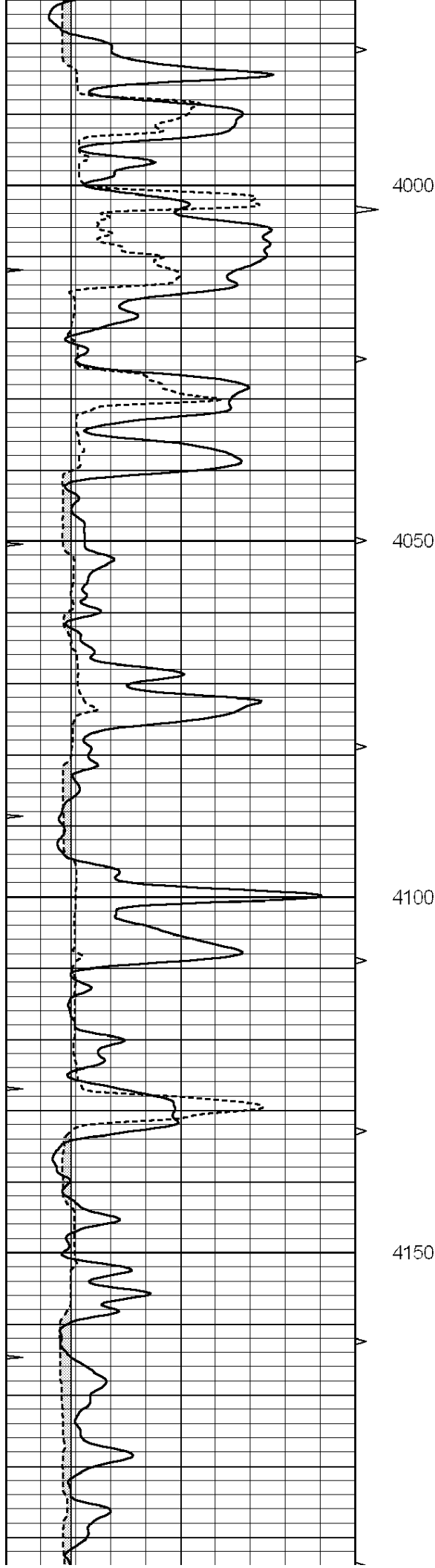


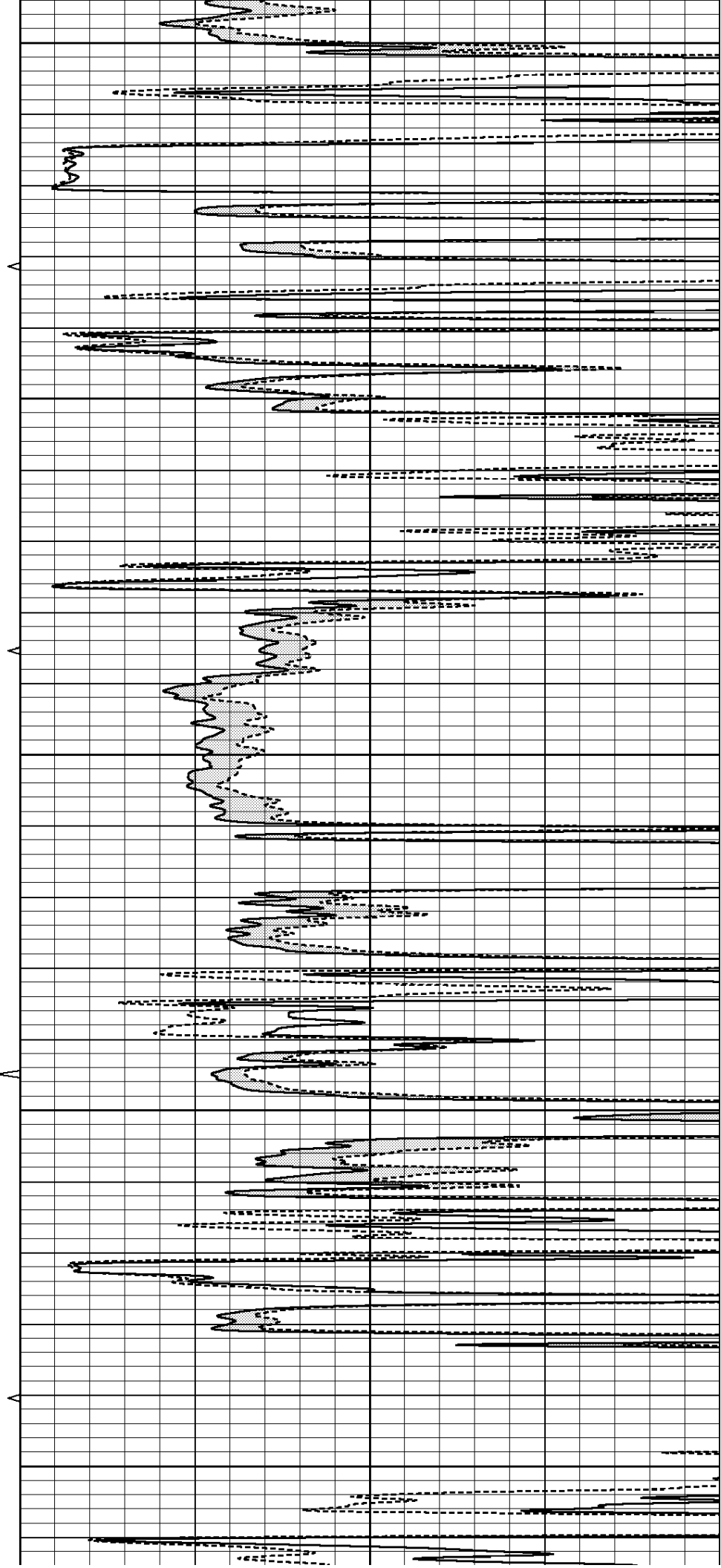
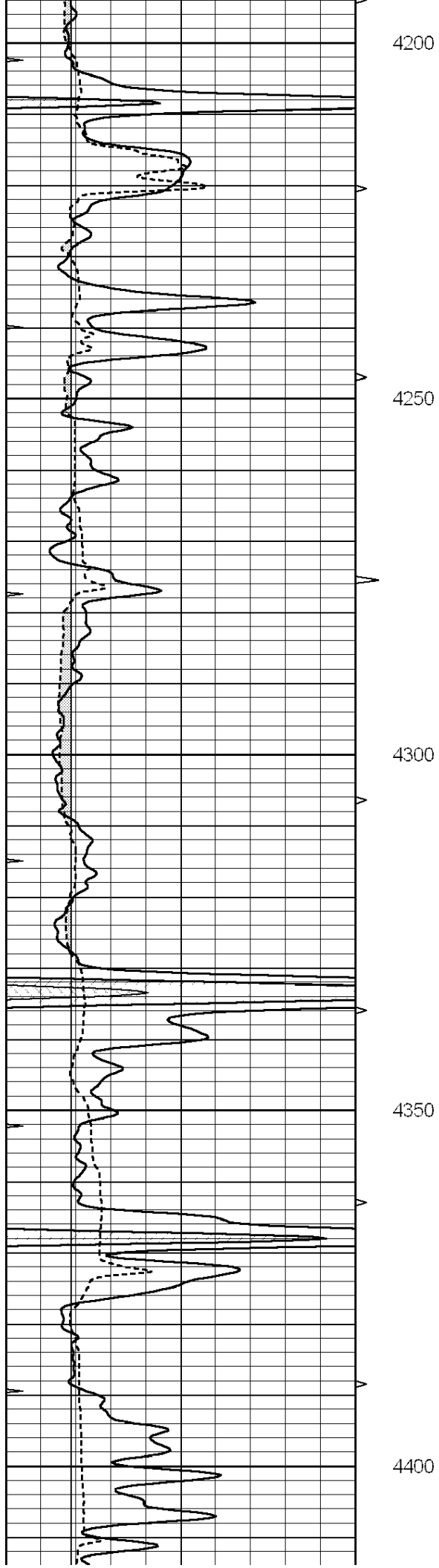
MAIN SECTION

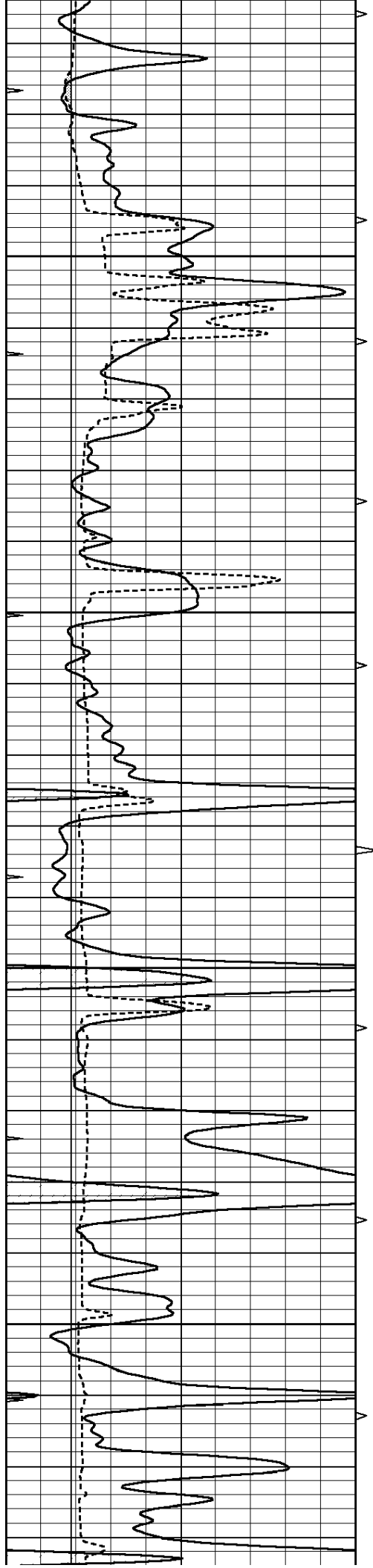
Database File: 3053pe.db
Dataset Pathname: pass6.1
Presentation Format: micro
Dataset Creation: Mon Nov 05 13:13:38 2018 by Calc SOC 120430
Charted by: Depth in Feet scaled 1:240

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		







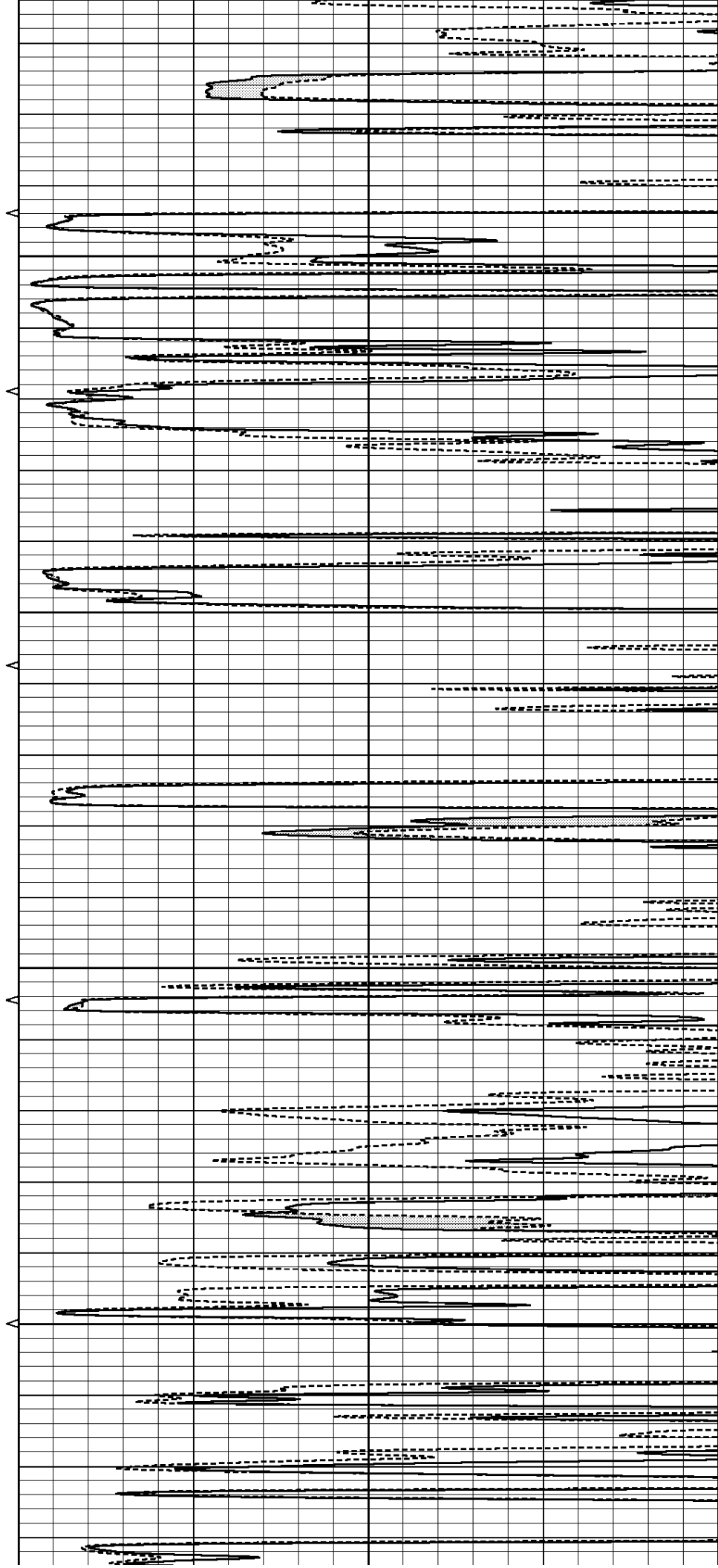


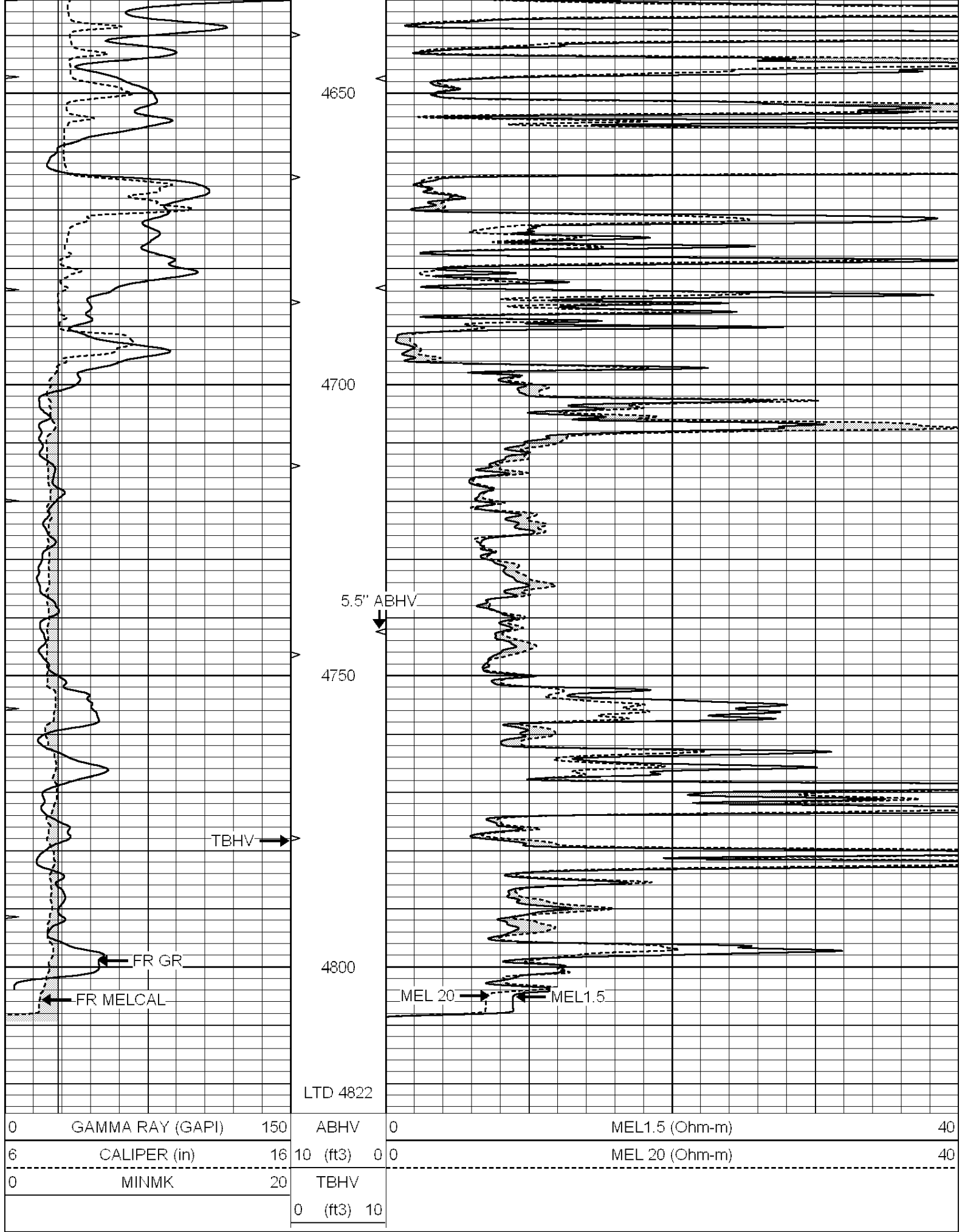
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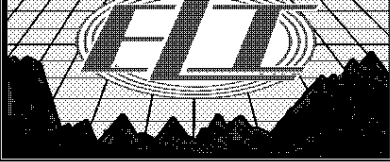
4500

4550

4600



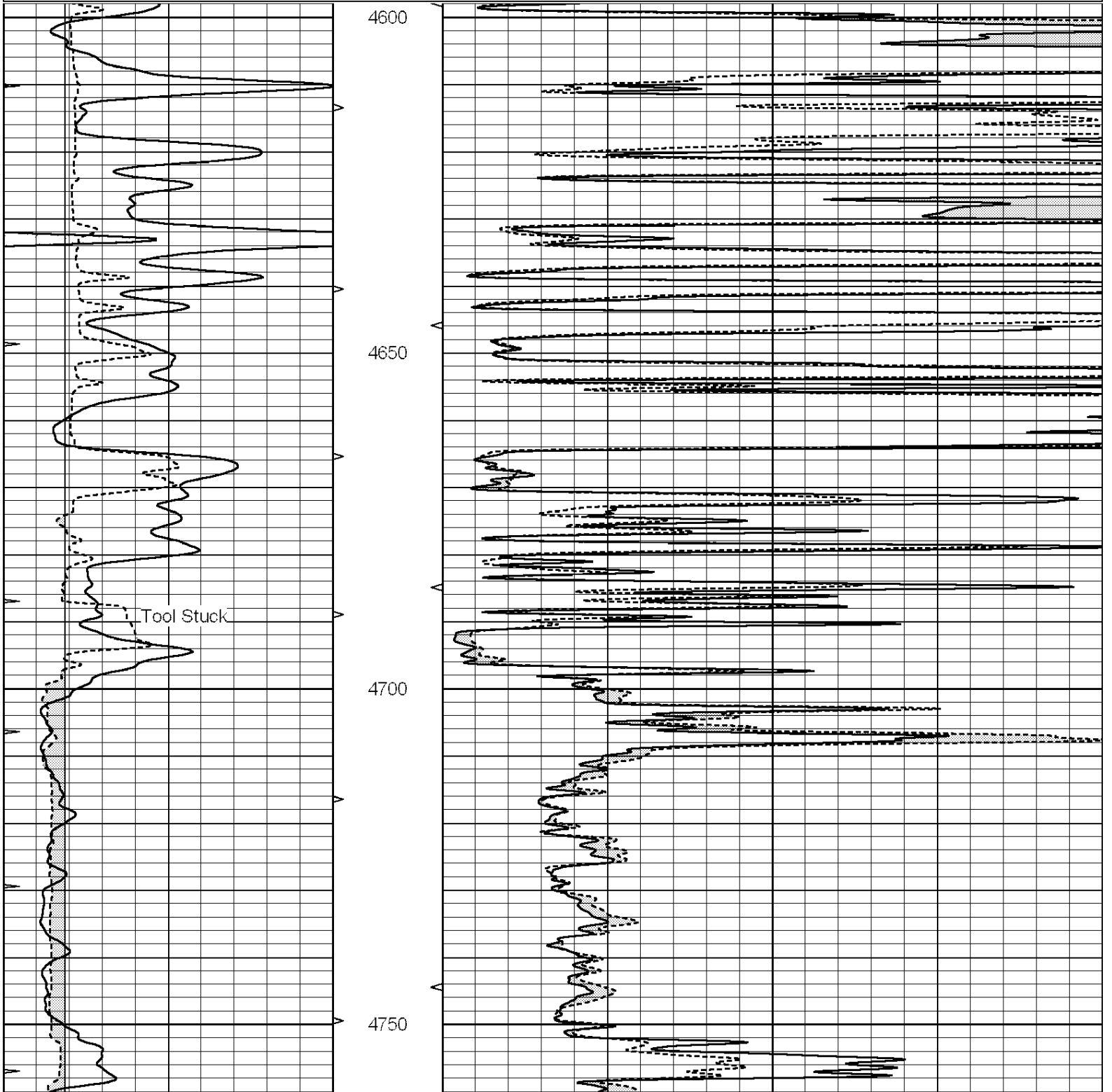


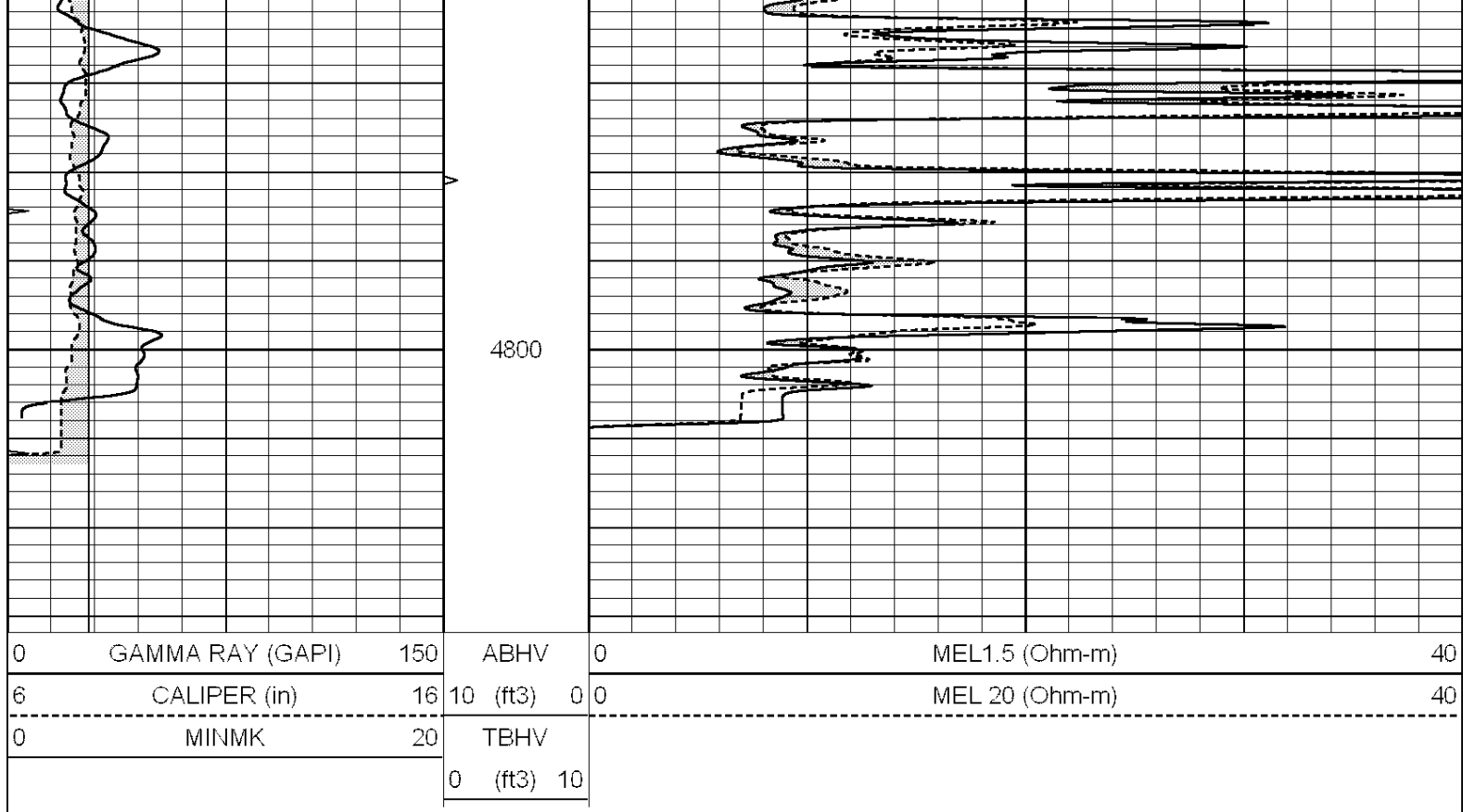


REPEAT SECTION

Database File: 3053pe.db
Dataset Pathname: pass5.5
Presentation Format: micro
Dataset Creation: Mon Nov 05 13:20:20 2018
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		





Calibration Report			
Database File:	3053pe.db		
Dataset Pathname:	pass6.1		
Dataset Creation:	Mon Nov 05 13:13:38 2018 by Calc SOC 120430		
MICRO Calibration Report			
Serial Number:	070911		
Tool Model:	ProbeN		
Performed:	Sat Nov 03 13:33:04 2018		
Caliper Calibration:	Gain=4.612	Offset=1.204	
	Low Cal	High Cal	
References	7.800	20.000	
Readings	1.430	4.075	
1.5" Calibration:	Gain=60.000	Offset=-1.000	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.001	1.240	
2" Calibration:	Gain=65.000	Offset=-1.000	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.001	1.076	
Gamma Ray Calibration Report			
Serial Number:	110959		
Tool Model:	OPEN_GR		
Performed:	Wed Oct 17 13:39:46 2018		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibration Done:	1.0		

Calibrator Reading:

1.0

cps

Sensitivity:

0.2300

GAPI/cps