



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company		MULL DRILLING COMPANY, INC.	
Well	#2-4 THORNBURG "B"		
Field	WILDCAT		
County	NESS	State	KANSAS
Location:	APL # : 15-135-25581-0000		Other Services CDL/CNL/PE DIL/SONIC
Permanent Datum	GROUND LEVEL	Elevation	2604
Log Measured From	KELLY BUSHING 5' A.G.L.		
Drilling Measured From	KELLY BUSHING		
SEC 4 TWP 16S RGE 26W		Elevation K.B. 2609 D.F. 2607 G.L. 2604	
Date	5/11/13		
Run Number	TWO		
Depth Driller	4600		
Depth Logger	4600		
Bottom Logged Interval	4578		
Top Log Interval	3600		
Casing Driller	8 5/8"@220'		
Casing Logger	217		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2,500 PPM	
Density / Viscosity	9.3/44		
pH / Fluid Loss	10.5/6.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.900@82F		
Rmf @ Meas. Temp	.675@82F		
Rmc @ Meas. Temp	1.08@82F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.610@121F		
Time Circulation Stopped	4.5 HOURS		
Time Logger on Bottom	6:30 P.M.		
Maximum Recorded Temperature	121F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KEVIN KESSLER		

<<< Fold Here >>>

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 "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS
UTICA, KS. 2W. ON HWY 4 TO "RD. B", 4N. TO "T", 1/2E., S. INTO



**COMPLETION
& PRODUCTION**

MAIN SECTION

Database File:

010903pe.db

Dataset Pathname:

pass6.5

Presentation Format:

micro

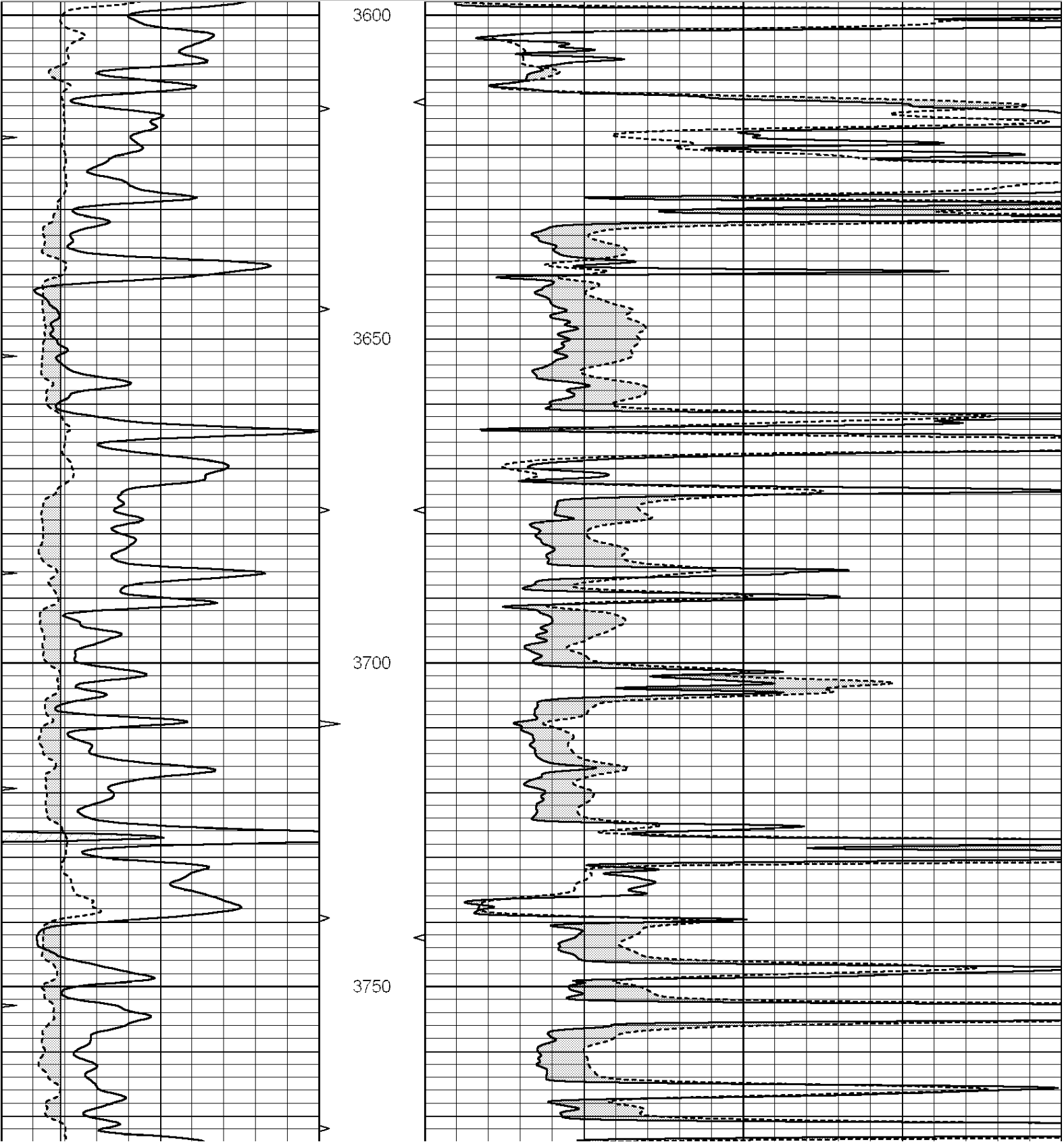
Dataset Creation:

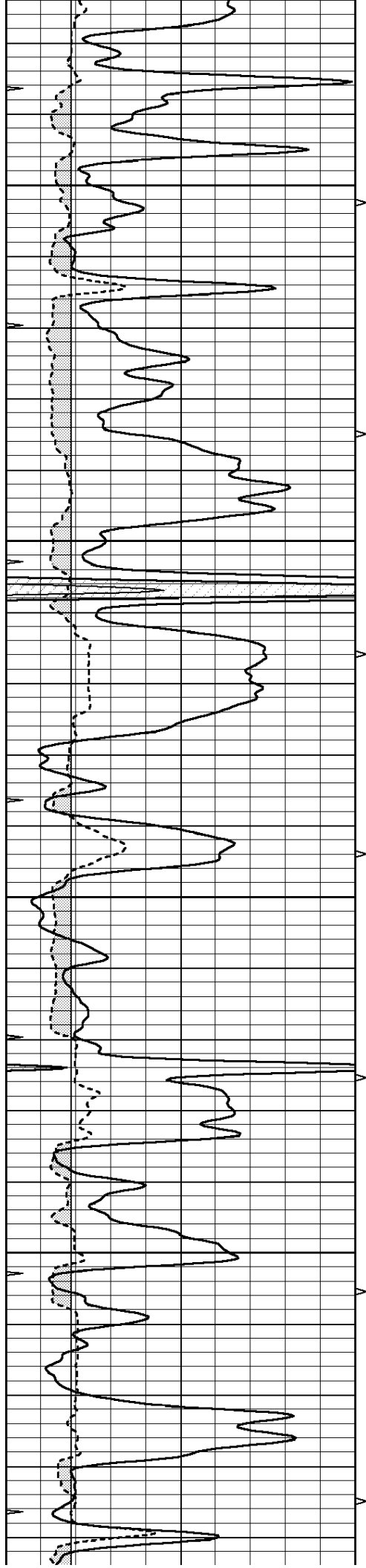
Sat May 11 21:30:58 2013

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
0	MINMK	20	TBHV			
			0 (ft3)	10		



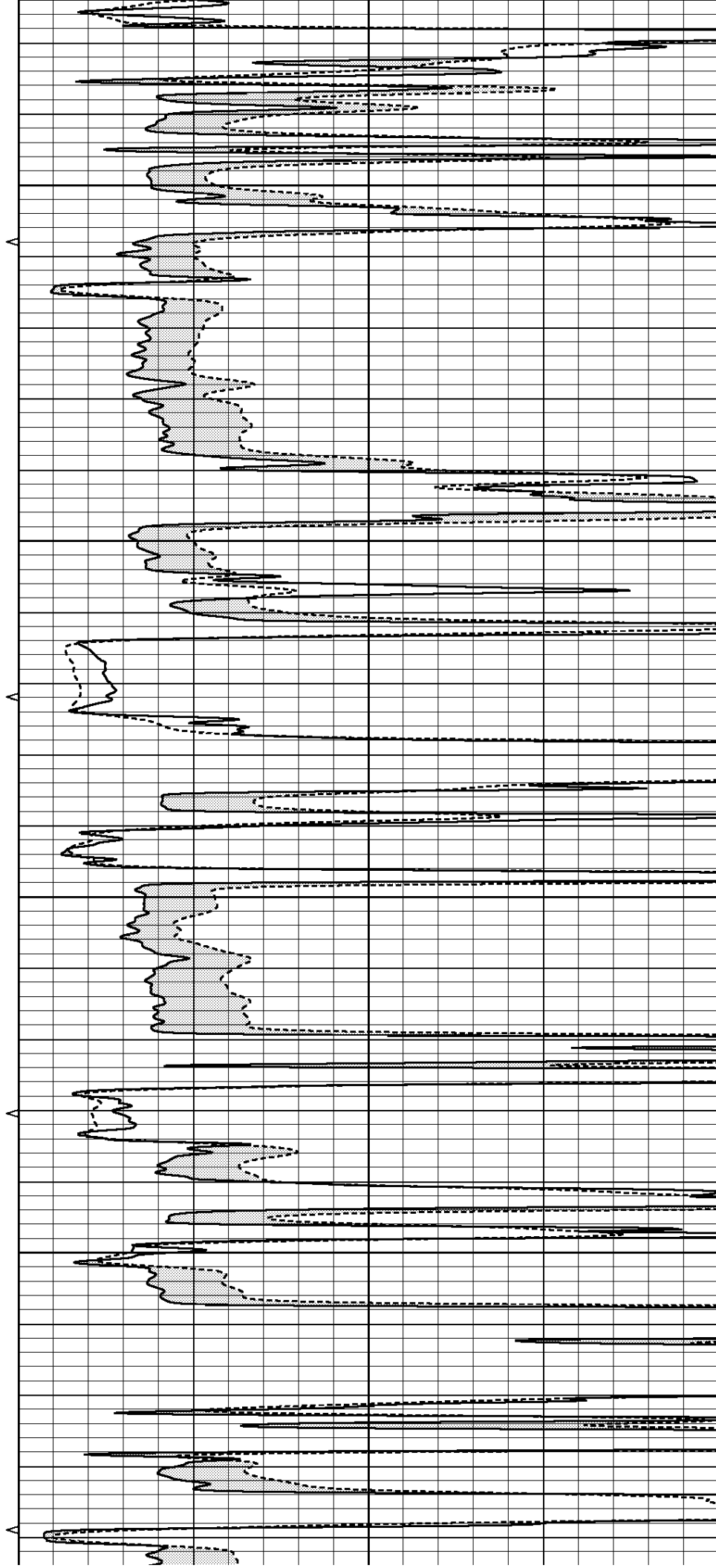


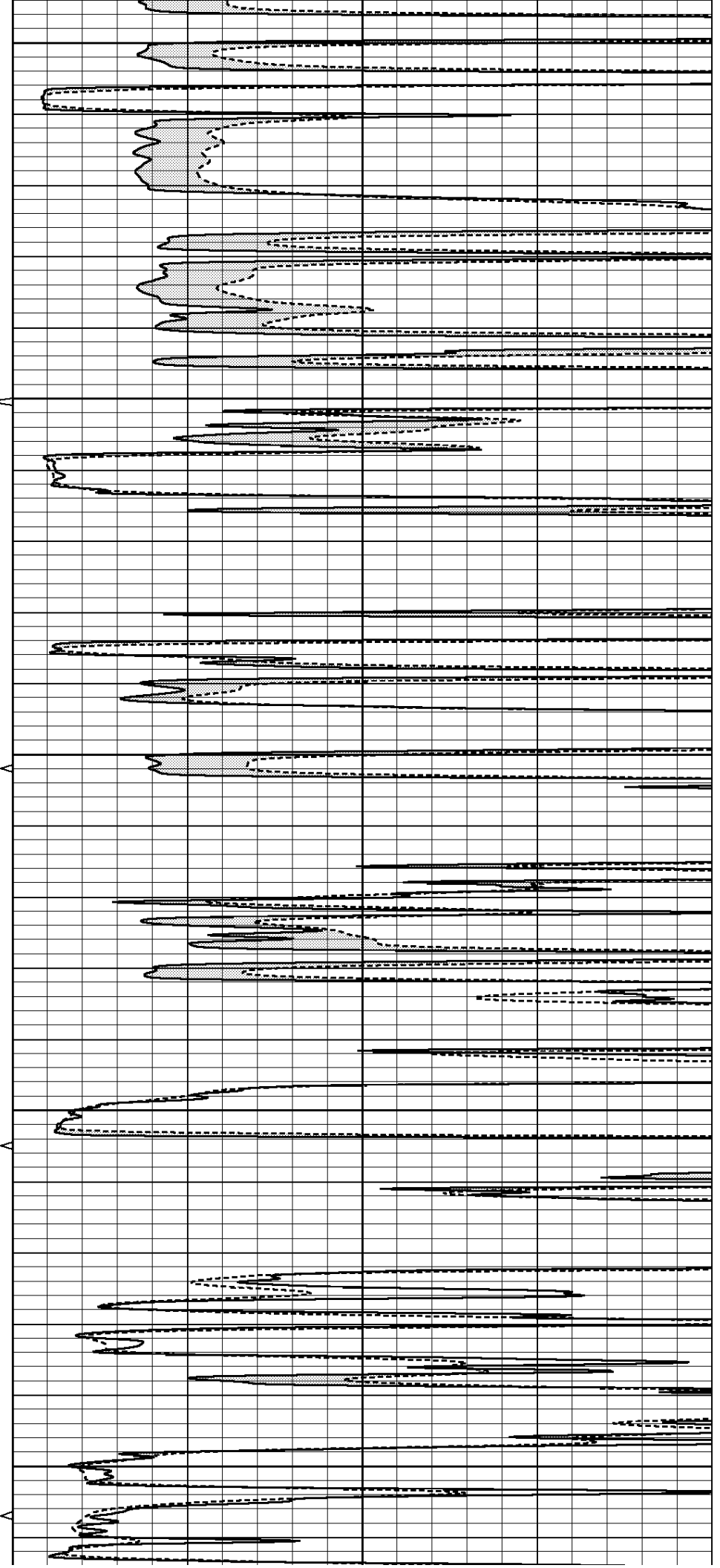
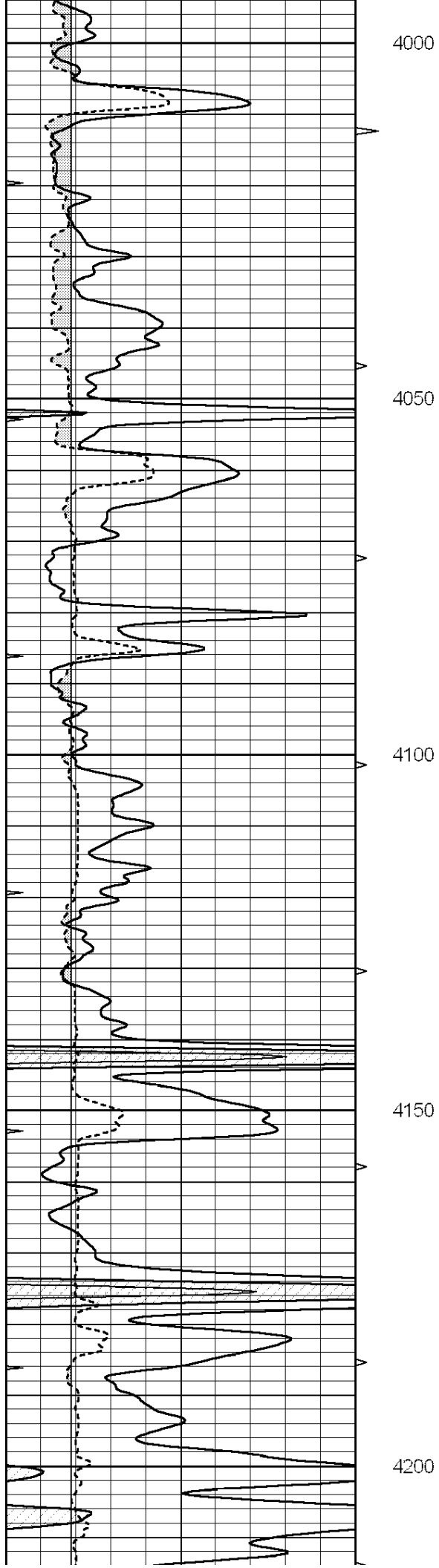
3800

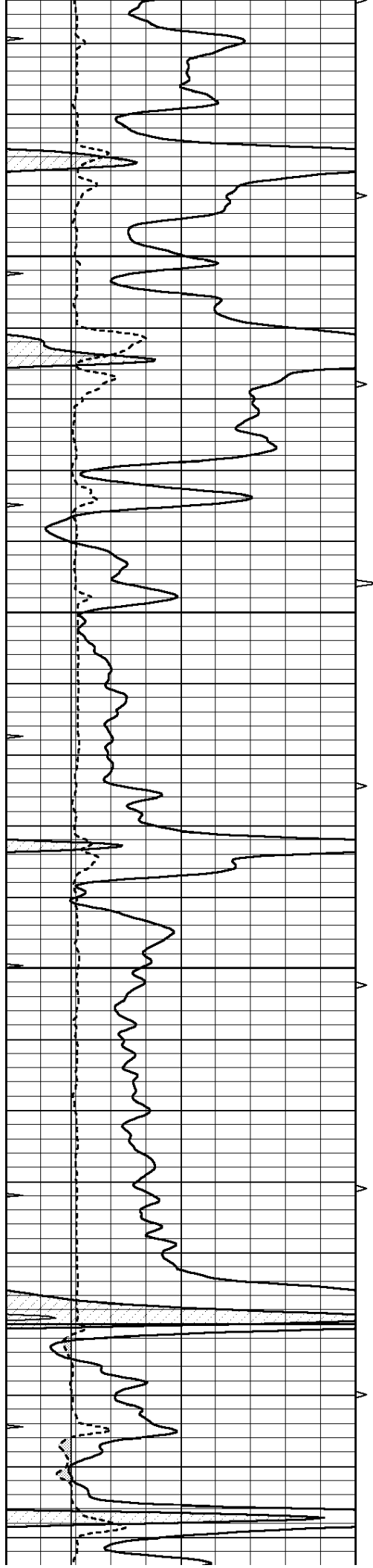
3850

3900

3950





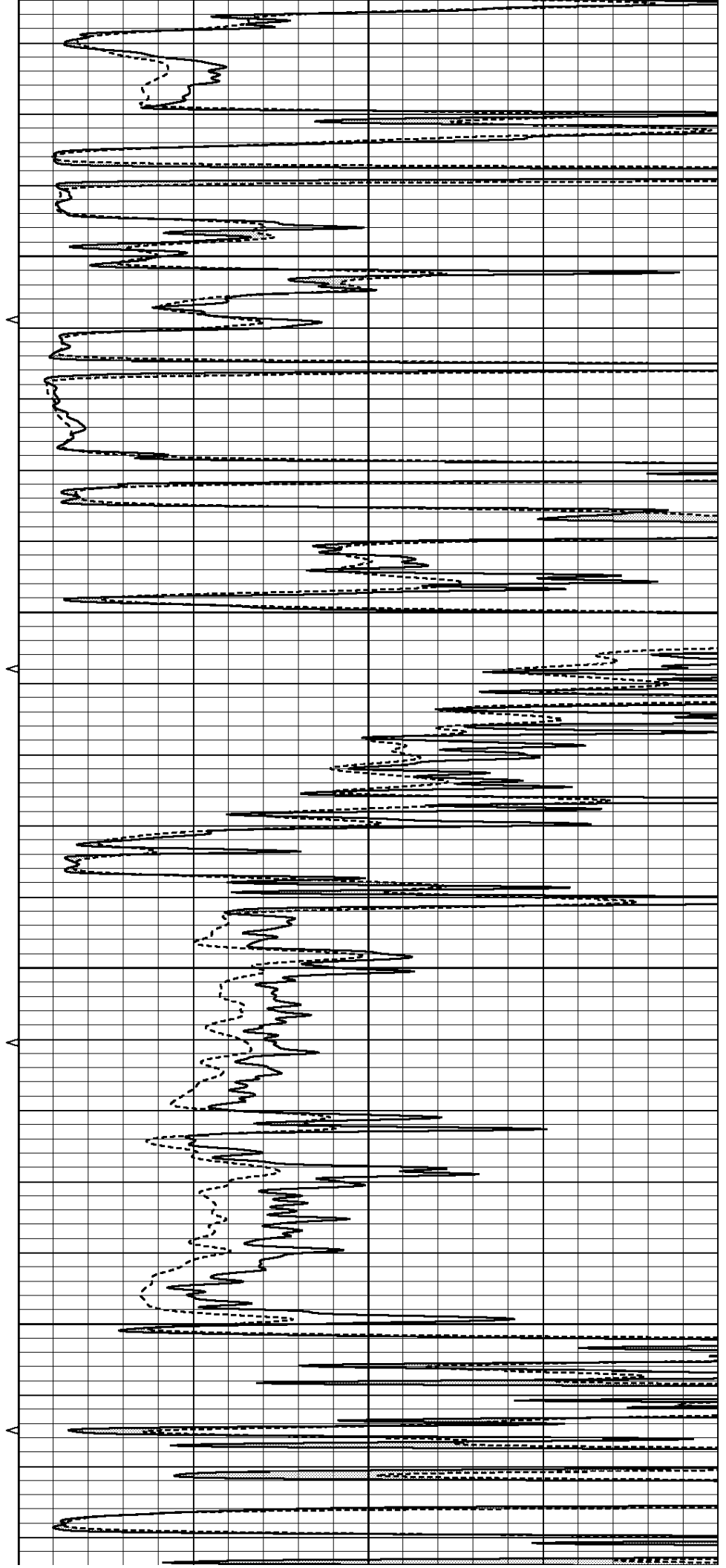


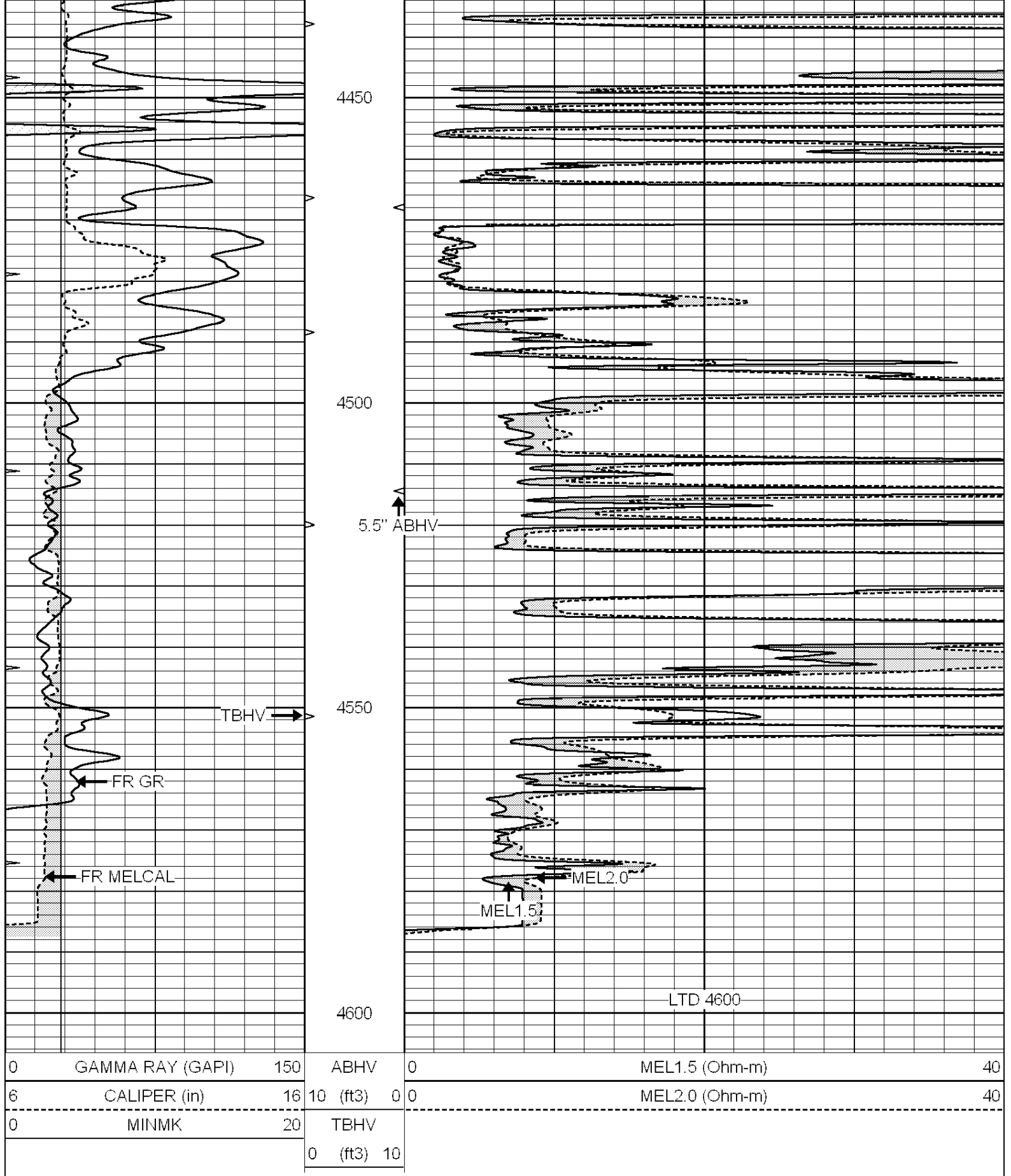
4250

4300

4350

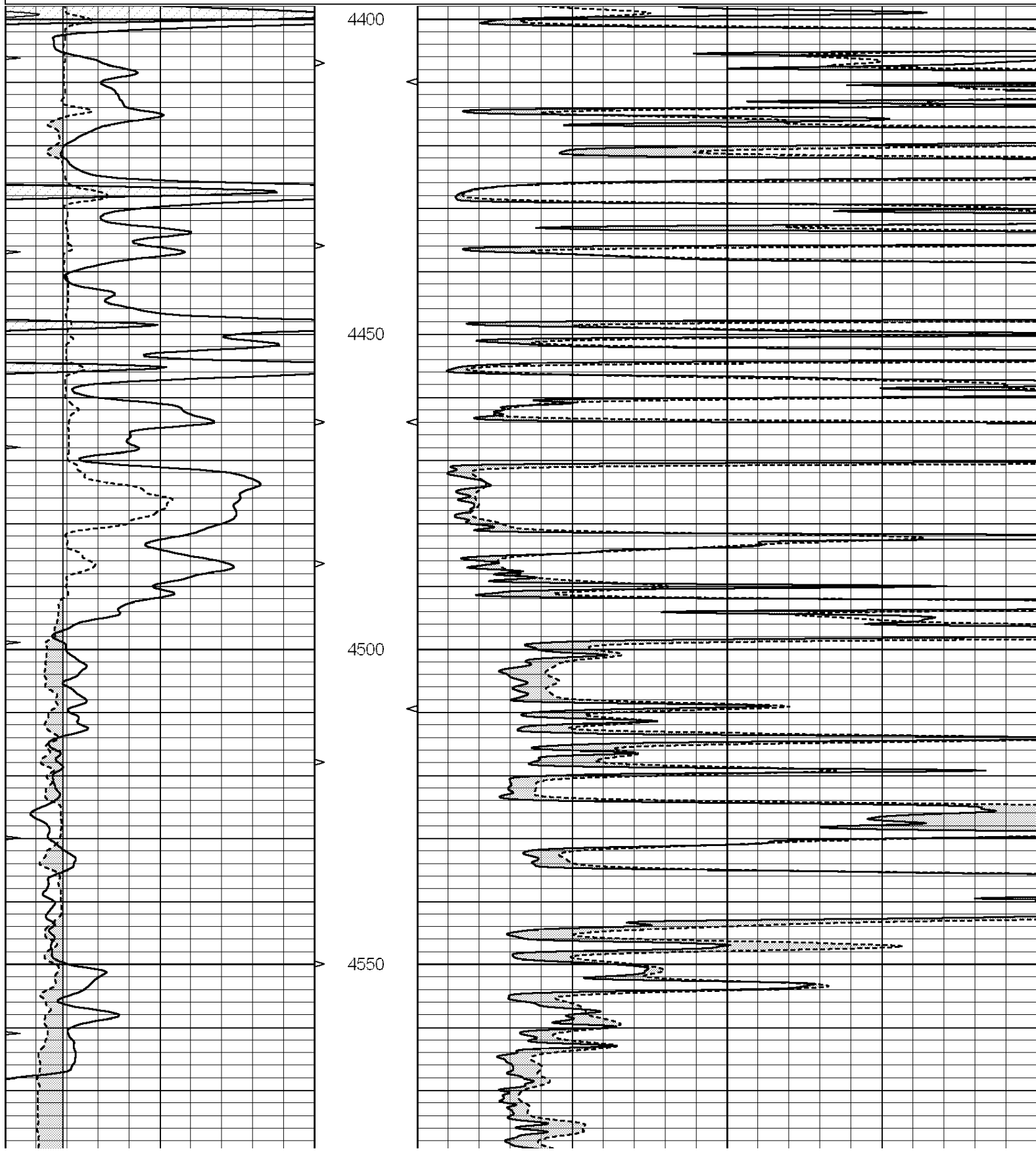
4400

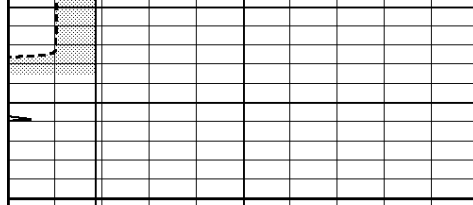
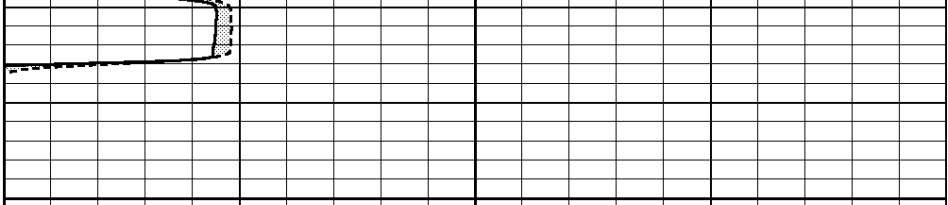




Database File: 010903pe.db
Dataset Pathname: pass5.2
Presentation Format: micro
Dataset Creation: Sat May 11 20:59:46 2013
Charted by: Depth in Feet scaled 1:240

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
0	MINMK	20	TBHV			
			0 (ft3)	10		



						
4600						
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40

0	MINMK	20	TBHV			
			0 (ft3)	10		