

MICRO LOG

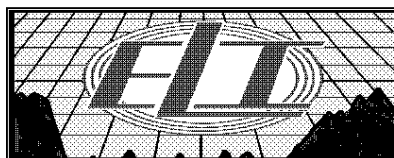
Company	NORSTAR PETROLEUM, INC.		
Well	THE SISTER'S #1-15		
Field	WILDCAT		
County	LANE	State	KANSAS
Company	NORSTAR PETROLEUM, INC.		
Well	THE SISTER'S #1-15		
Field	WILDCAT		
County	LANE	State	KANSAS
Location:	API # : 15-101-22567-0000 1725' FNL & 1095' FWL SE - NE - SW - NW		Other Services CDL/CNL/PE DIL
Permanent Datum	GROUND LEVEL	Elevation	2652
Log Measured From	KELLY BUSHING	7' A.G.L.	
Drilling Measured From	KELLY BUSHING		
SEC 15	TWP 19S	RGE 27W	
Date	9/14/17		
Run Number	TWO		
Depth Driller	4631		
Depth Logger	4630		
Bottom Logged Interval	4628		
Top Log Interval	3800		
Casing Driller	8 5/8"@302'		
Casing Logger	305		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,200 PPM	
Density / Viscosity	9.2/55		
pH / Fluid Loss	9.0/8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.950@90F		
Rmf @ Meas. Temp	.713@90F		
Rmc @ Meas. Temp	1.14@90F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.701@122F		
Time Circulation Stopped	6 HOURS		
Time Logger on Bottom	900 P.M.		
Maximum Recorded Temperature	122F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	AARON YOUNG		

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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

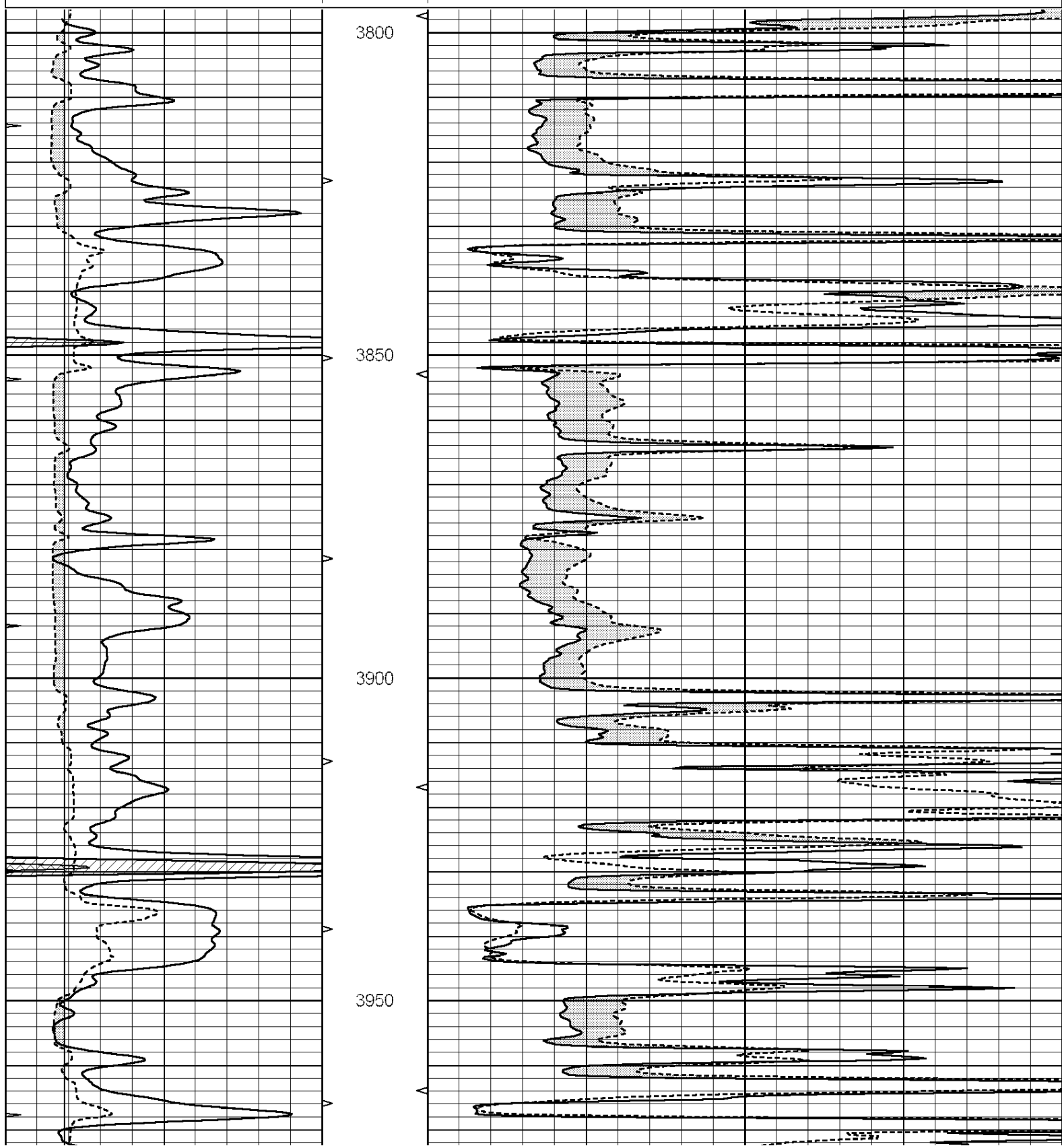
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
ALAMOTA, KS., 1/2E. ON HWY 96 TO "TURKEY RED RD.", 5 1/2S., E. INTO

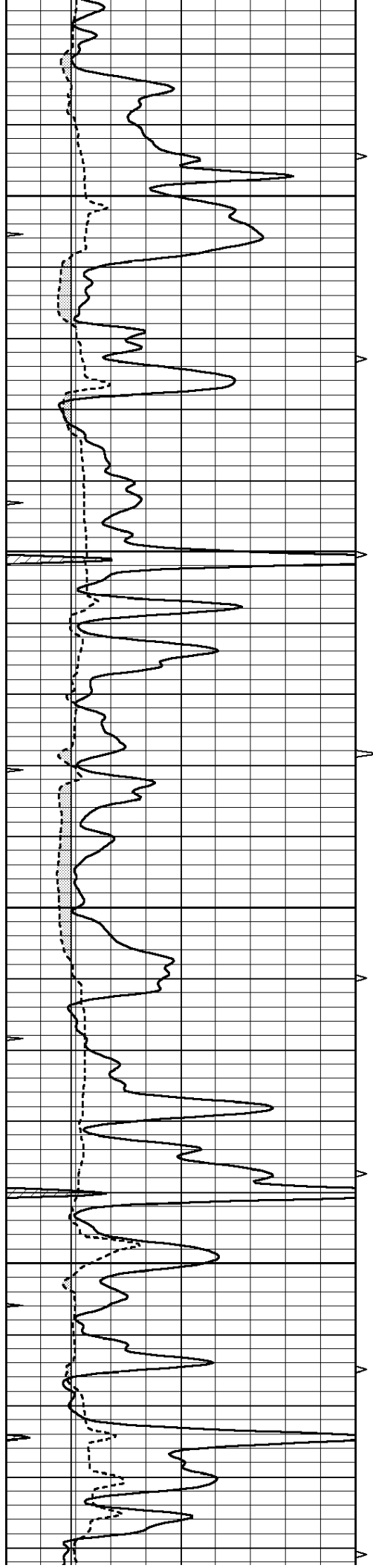


MAIN SECTION

Database File: 1827pe.db
Dataset Pathname: pass8.2
Presentation Format: micro
Dataset Creation: Thu Sep 14 21:55:26 2017
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		



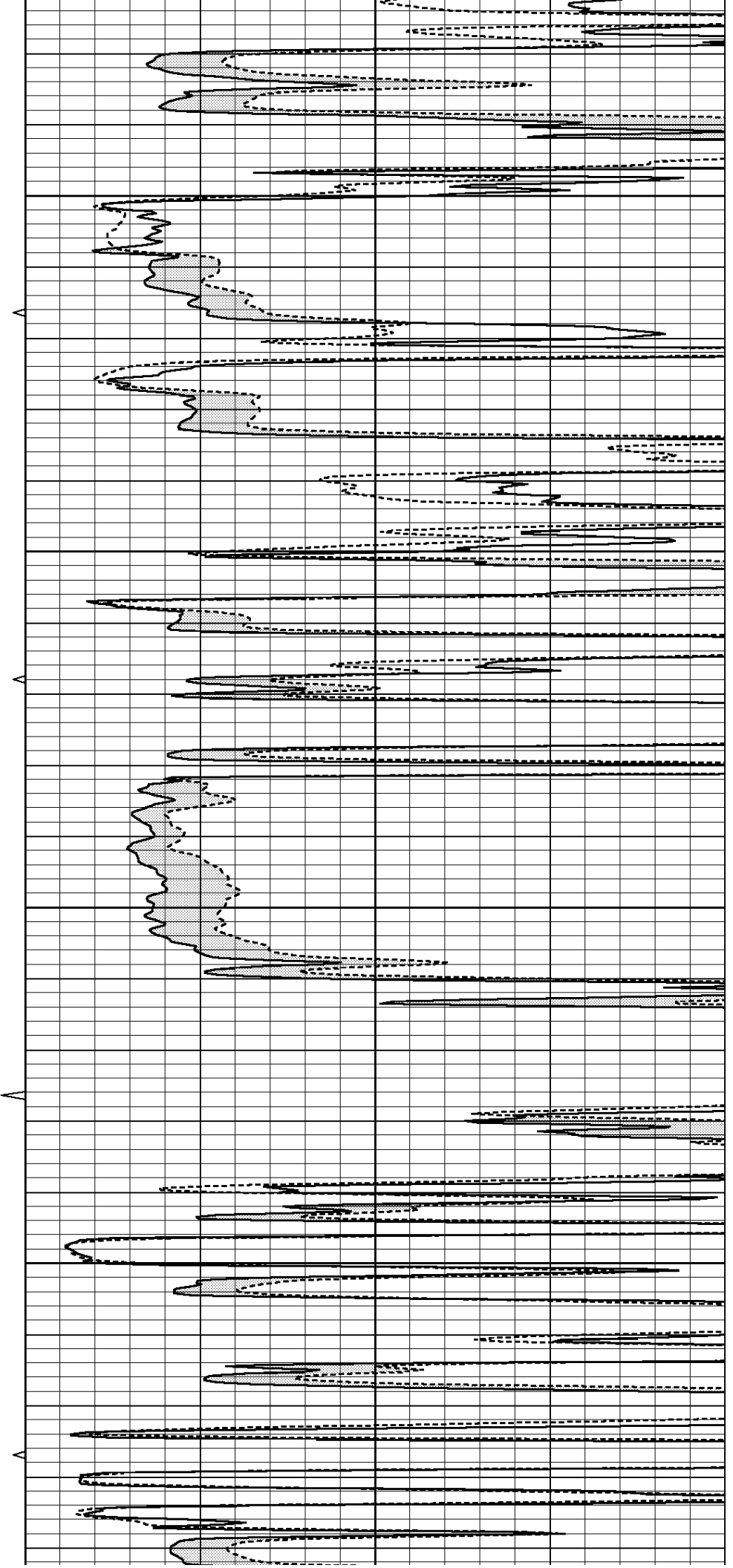


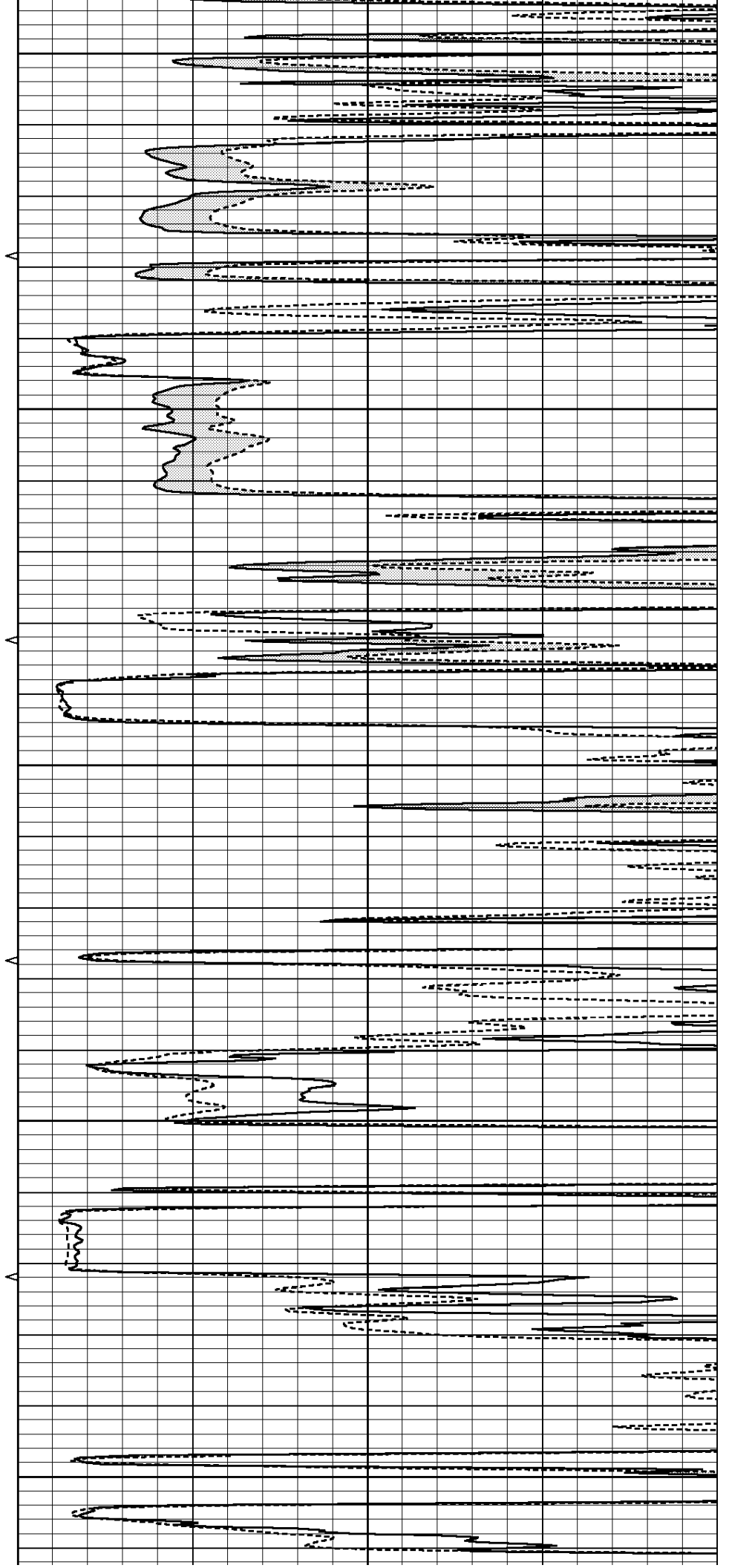
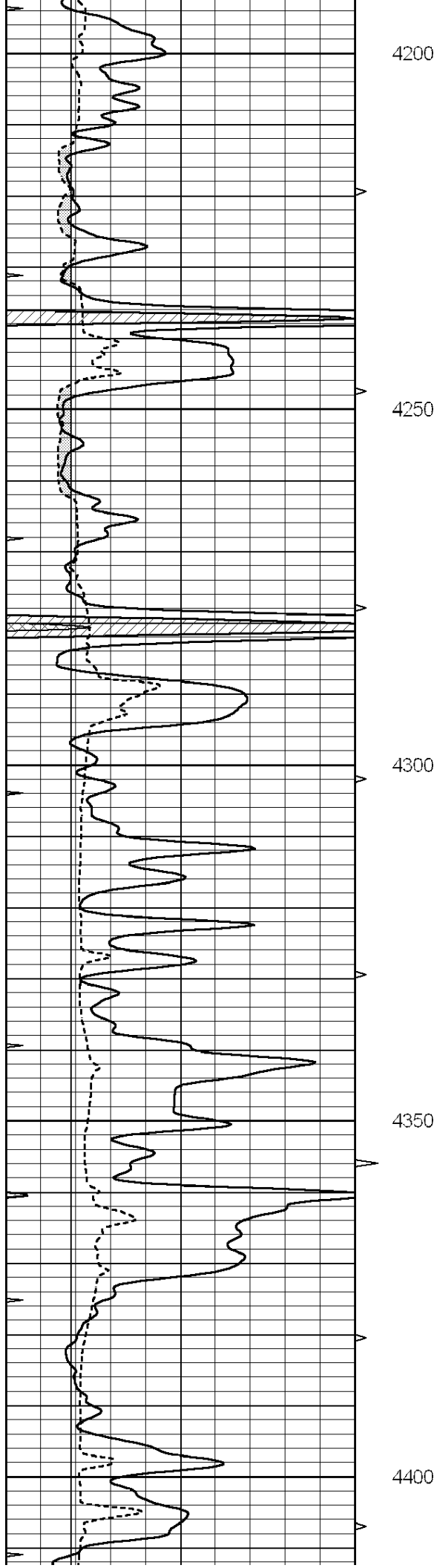
4000

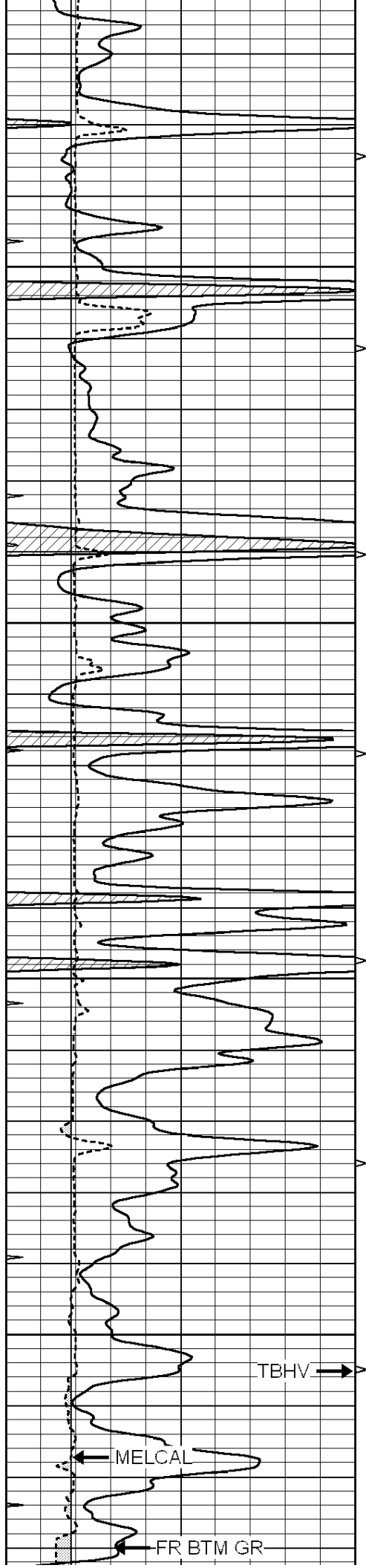
4050

4100

4150







4450

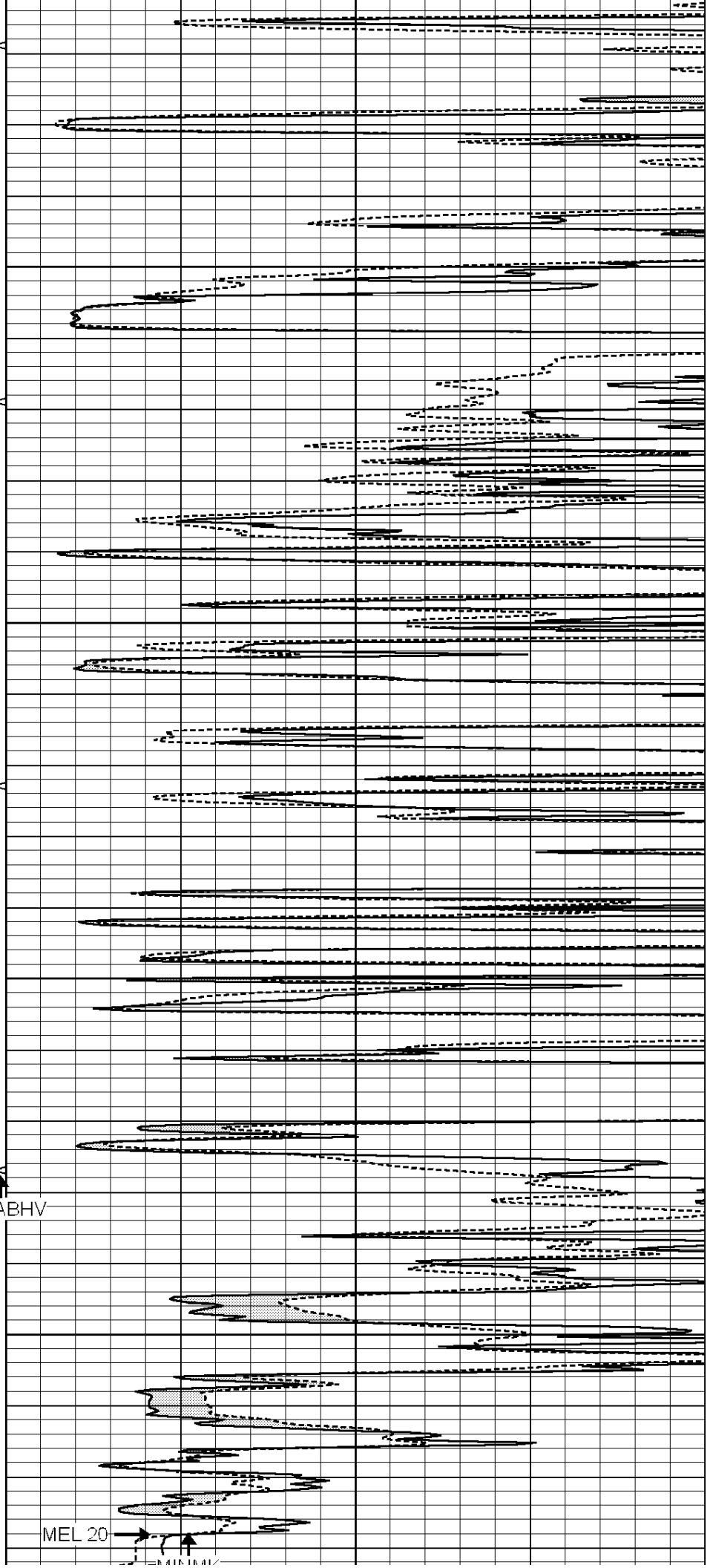
4500

4550

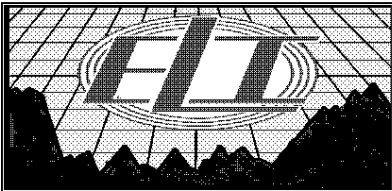
5.5" ABHV

4600

LTD 4630



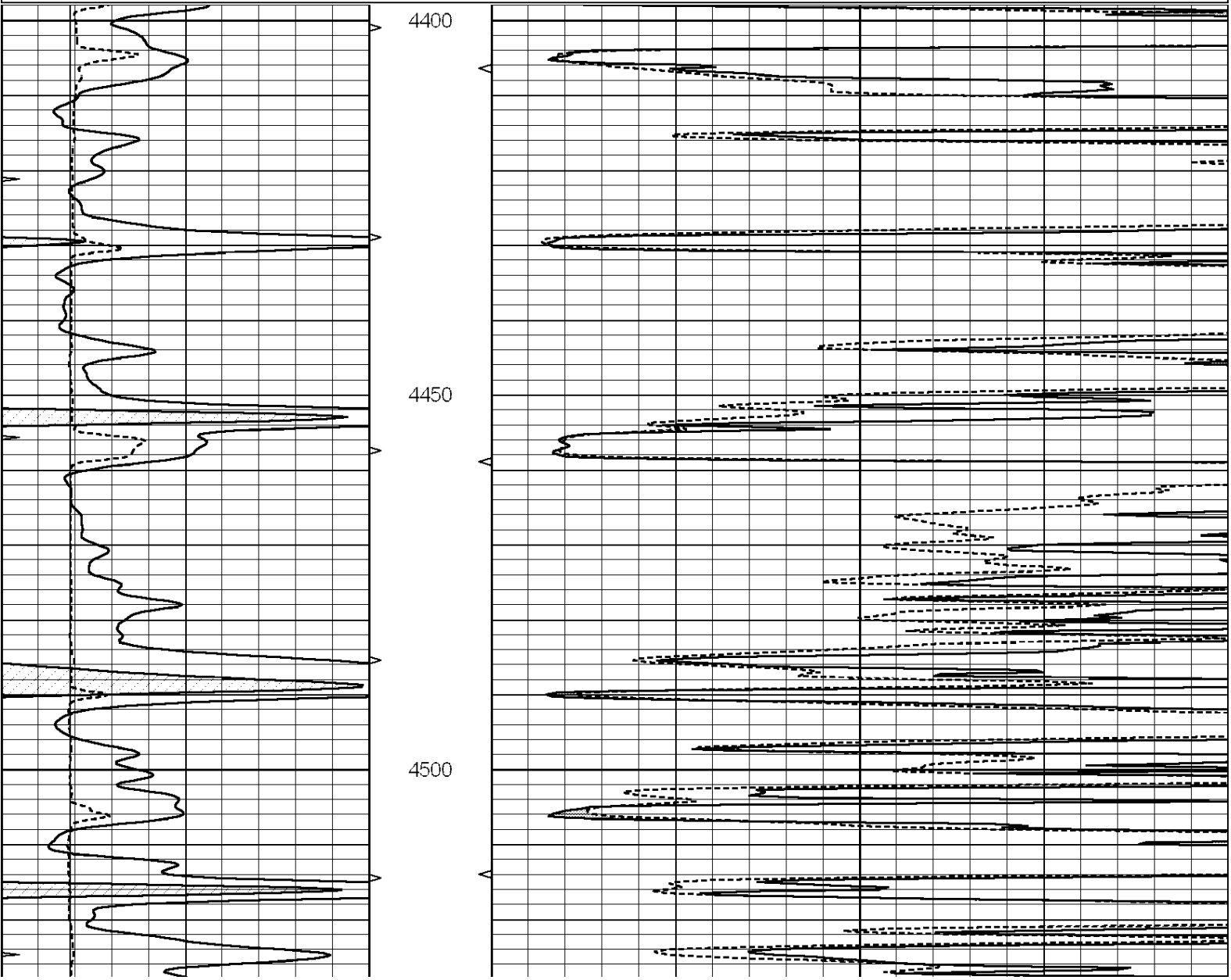
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0	MINMK	20	TBHV			
			0 (ft3)	10		

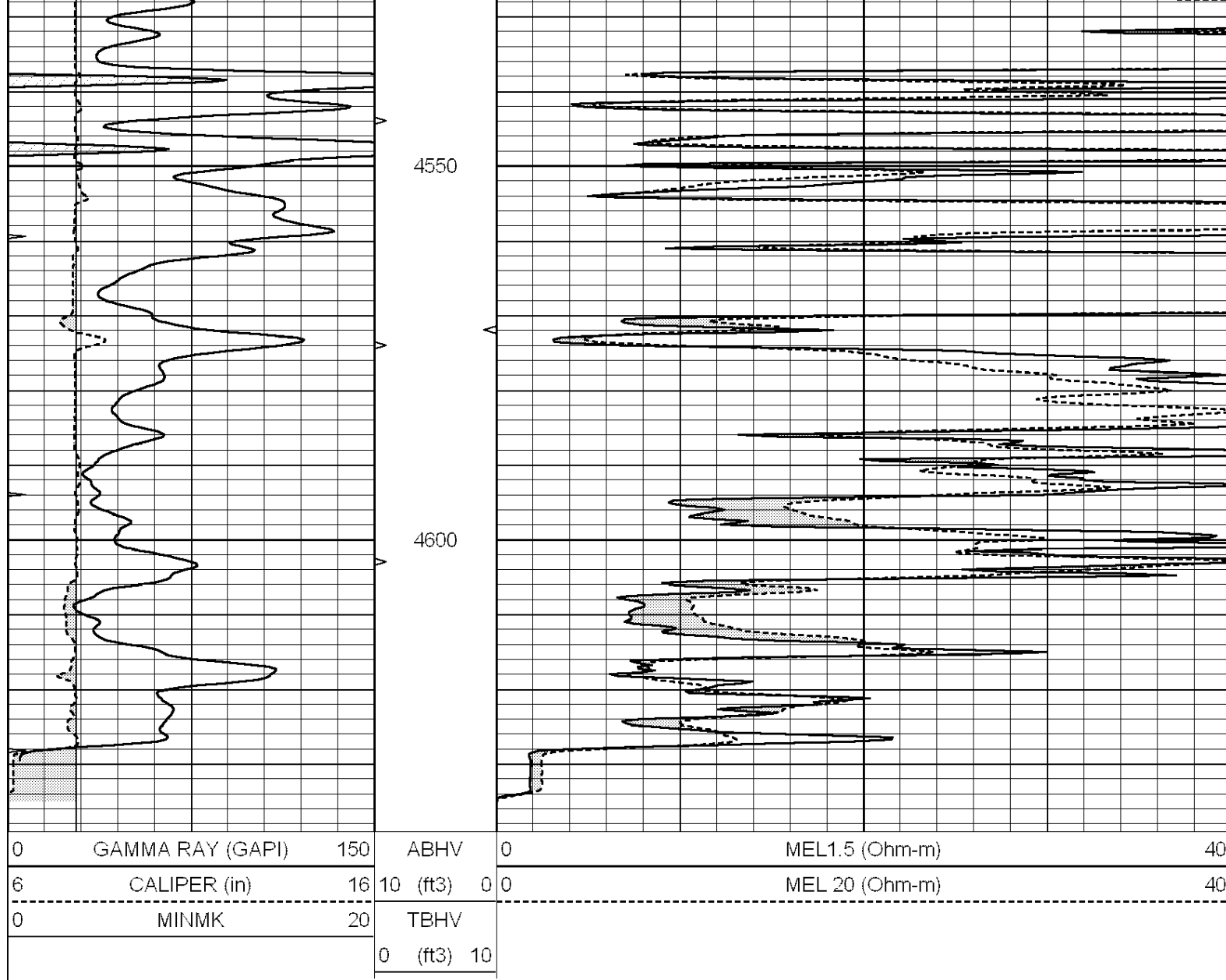


REPEAT SECTION

Database File:	1827pe.db
Dataset Pathname:	pass7.3
Presentation Format:	micro
Dataset Creation:	Thu Sep 14 22:01:34 2017
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: 1827pe.db
 Dataset Pathname: pass8.2
 Dataset Creation: Thu Sep 14 21:55:26 2017

MICRO Calibration Report

Serial Number: 070911
 Tool Model: ProbeN
 Performed: Tue Aug 08 06:25:06 2017

Caliper Calibration: Gain=3.922 Offset=2.314
 References Low Cal High Cal
 Readings 8.000 18.000
 1.450 4.000

1.5" Calibration: Gain=40.000 Offset=0.000
 References Low Cal High Cal
 Readings 0.000 20.000
 0.001 1.240

2" Calibration: Gain=46.000 Offset=0.000
 References 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:	Thu Sep 14 21:51:43 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2100	GAPI/cps