



MICRO LOG

Company R L INVESTMENT, LLC.  
Well SCHWARTZ "A" #2  
Field SCHWARTZ  
County THOMAS  
State KANSAS

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County THOMAS State KANSAS

Location: API # : 15-193-20993-0000  
Permanent Datum GROUND LEVEL Elevation 2944  
Log Measured From KELLY BUSHING 7' A.G.L.  
Drilling Measured From KELLY BUSHING  
SEC 1 TWP 9S RGE 31W  
Other Services CDL/CNL DIL  
Elevation K.B. 2951 D.F. 2949 G.L. 2944

Date	4/29/17
Run Number	TWO
Depth Driller	4620
Depth Logger	4620
Bottom Logged Interval	4618
Top Log Interval	3500
Casing Driller	8 5/8"@234'
Casing Logger	232
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3/73
pH / Fluid Loss	10.5/7.2
Source of Sample	FLOWLINE
Rim @ Meas. Temp	1.50@80F
Rmf @ Meas. Temp	1.13@80F
Rmc @ Meas. Temp	1.80@80F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.984@122F
Time Circulation Stopped	2.5 HOURS
Time Logger on Bottom	4:30 A.M.
Maximum Recorded Temperature	122F
Equipment Number	922339
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	PAT DEENIHAN

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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

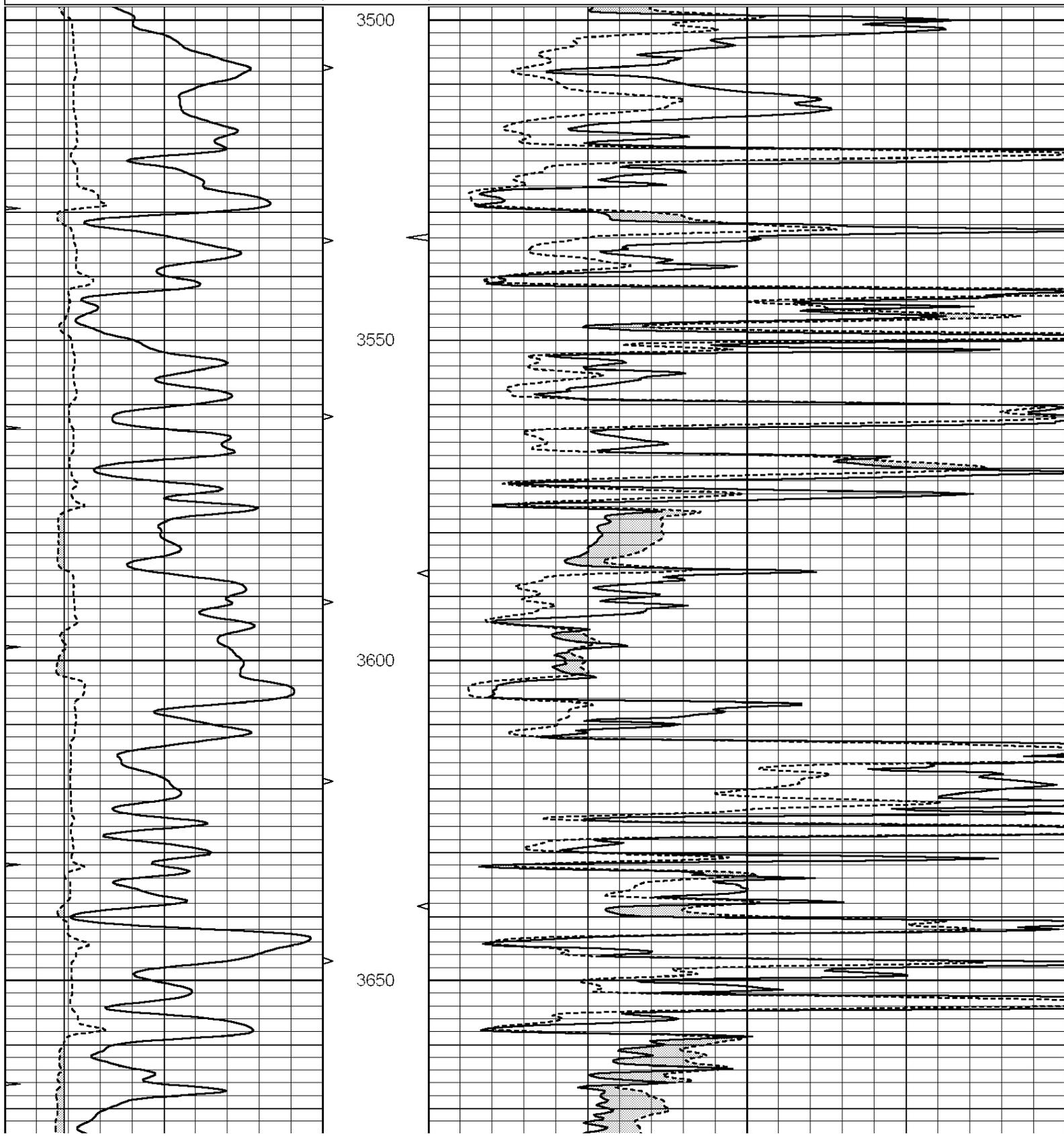
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395  
DIRECTIONS  
MENLO, KS., 4S., 3/4W., N. INTO

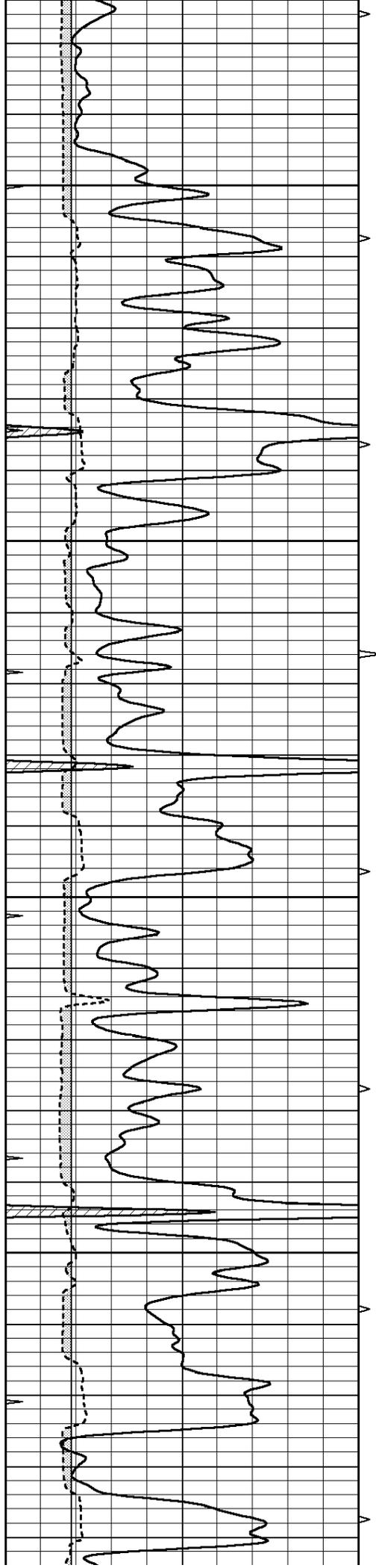


MAIN SECTION

Database File: 1417ddn.db  
 Dataset Pathname: pass6.2  
 Presentation Format: micro  
 Dataset Creation: Sat Apr 29 05:29:46 2017 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	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



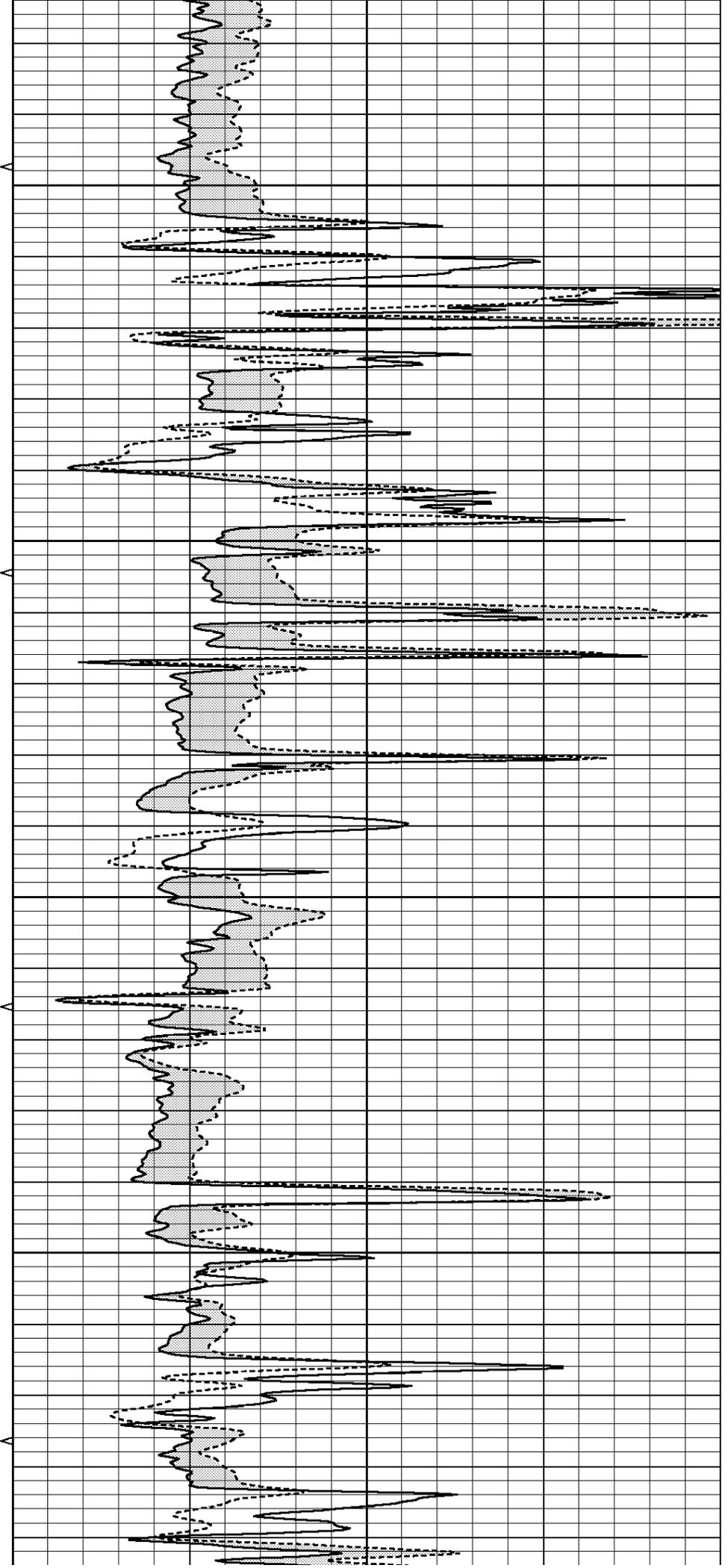


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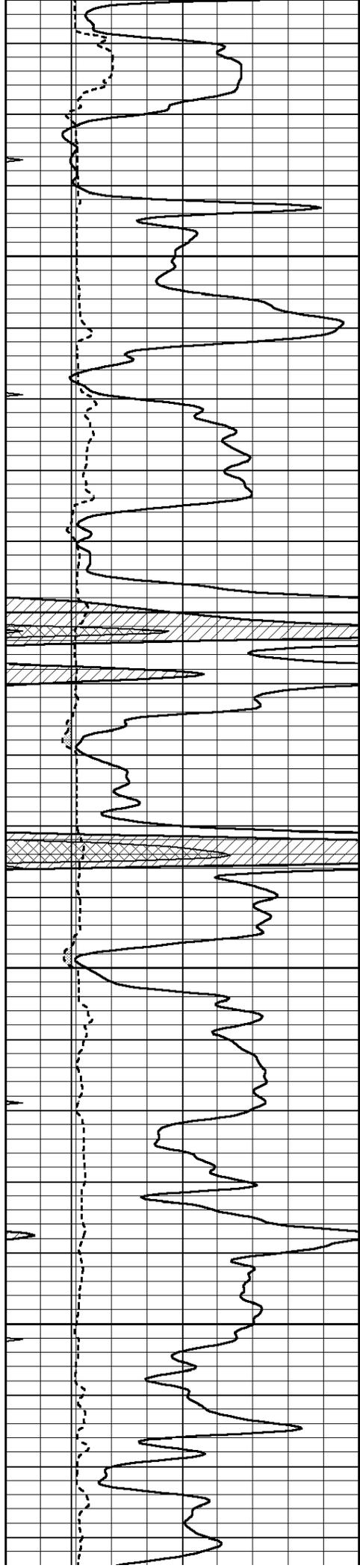
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3800

3850





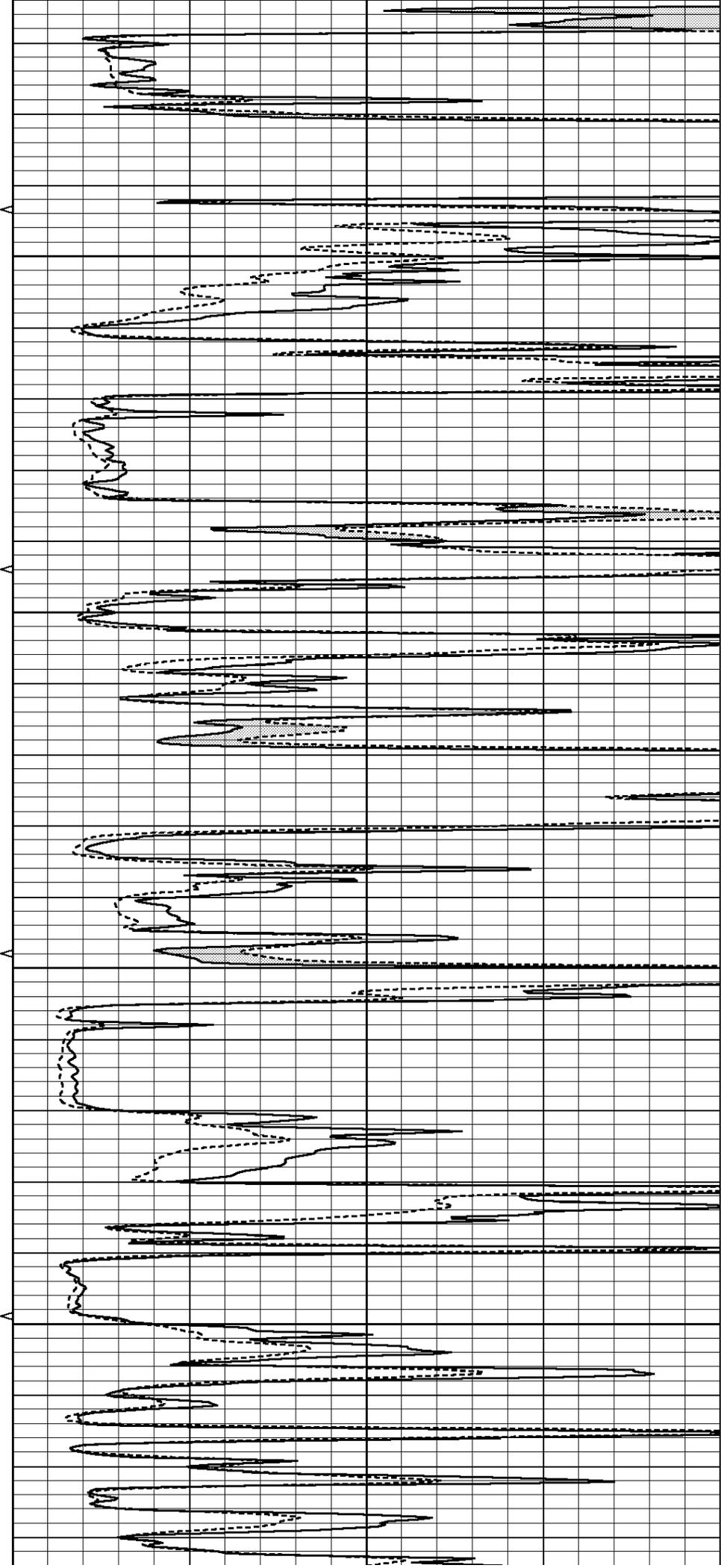


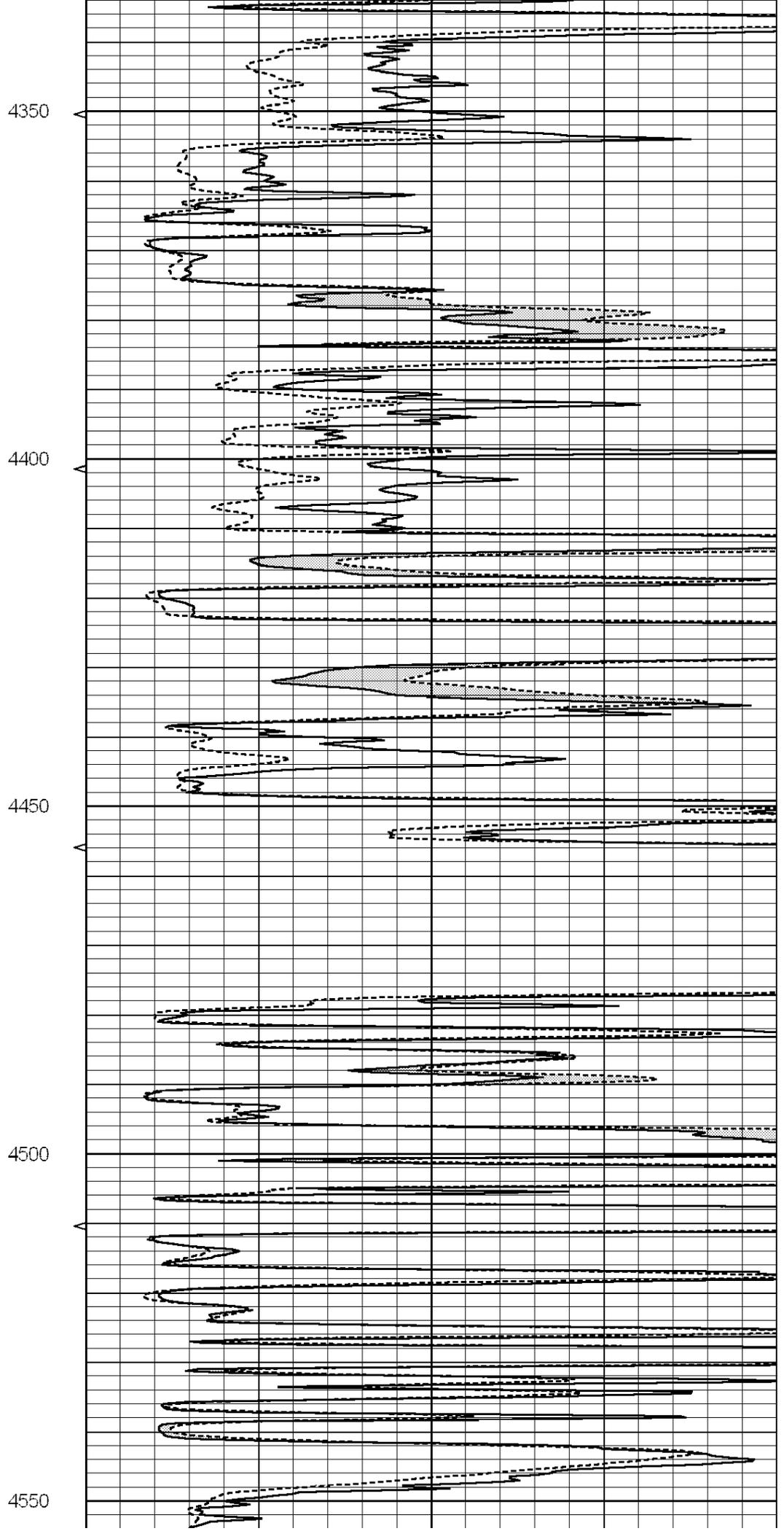
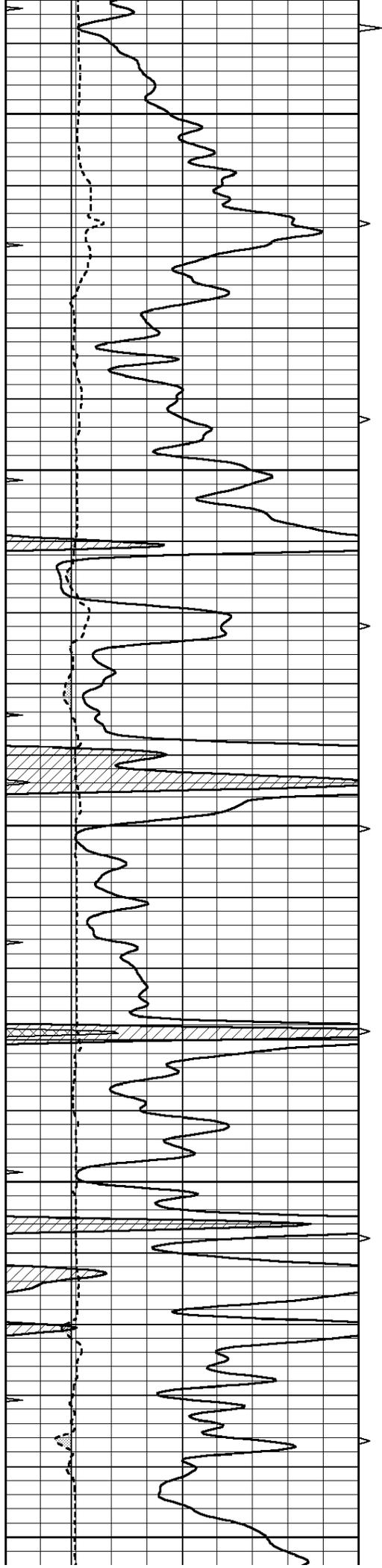
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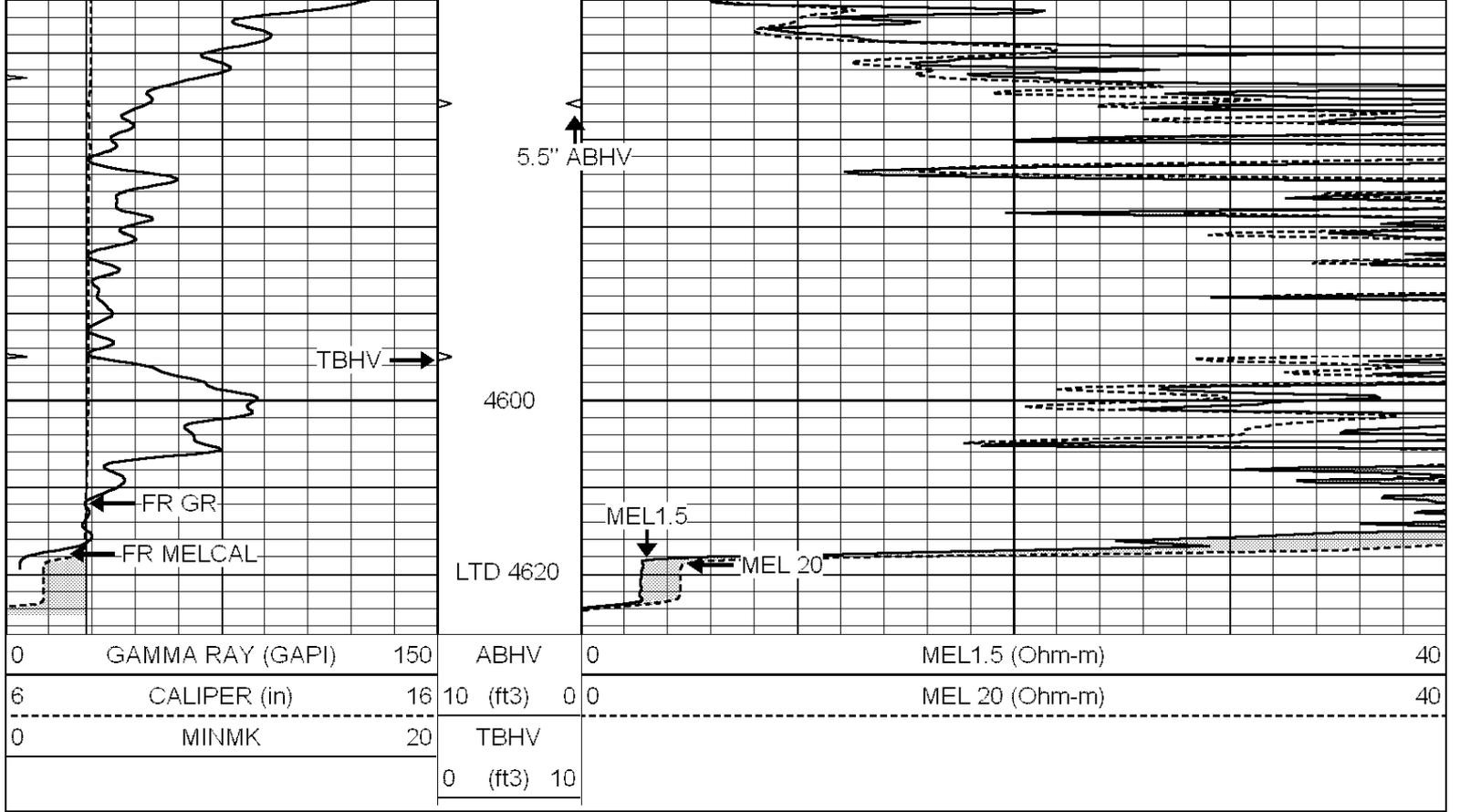
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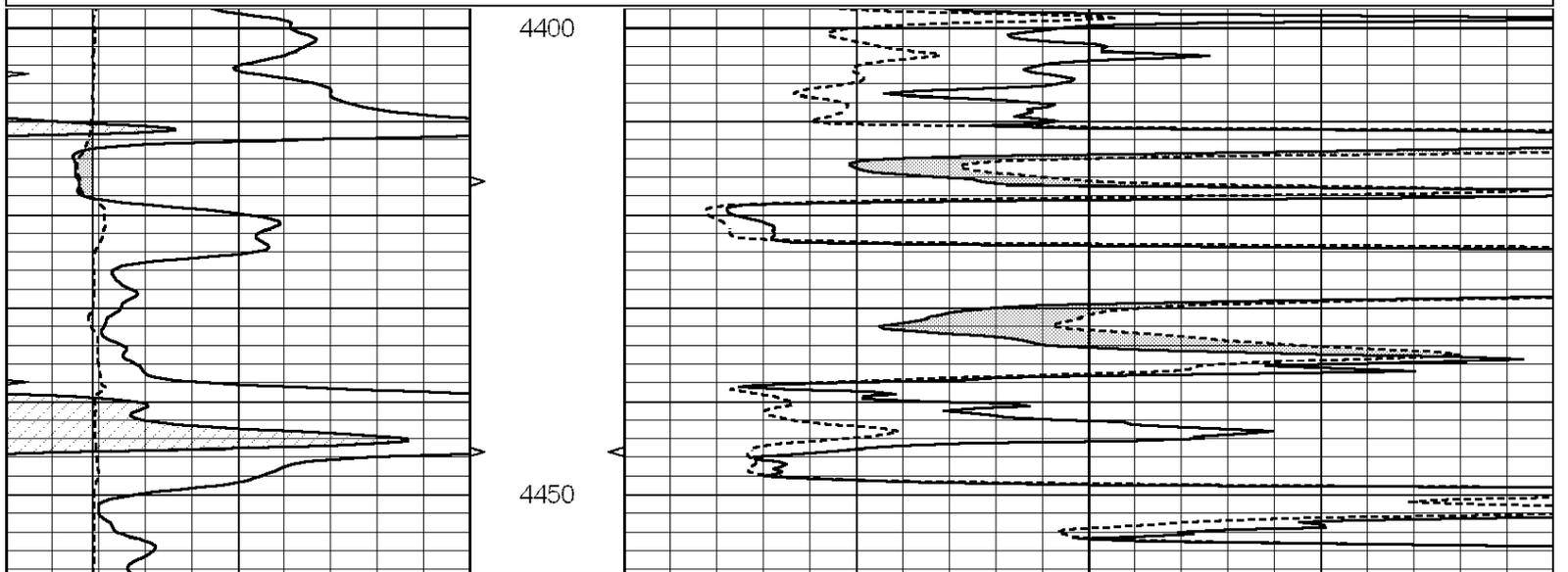


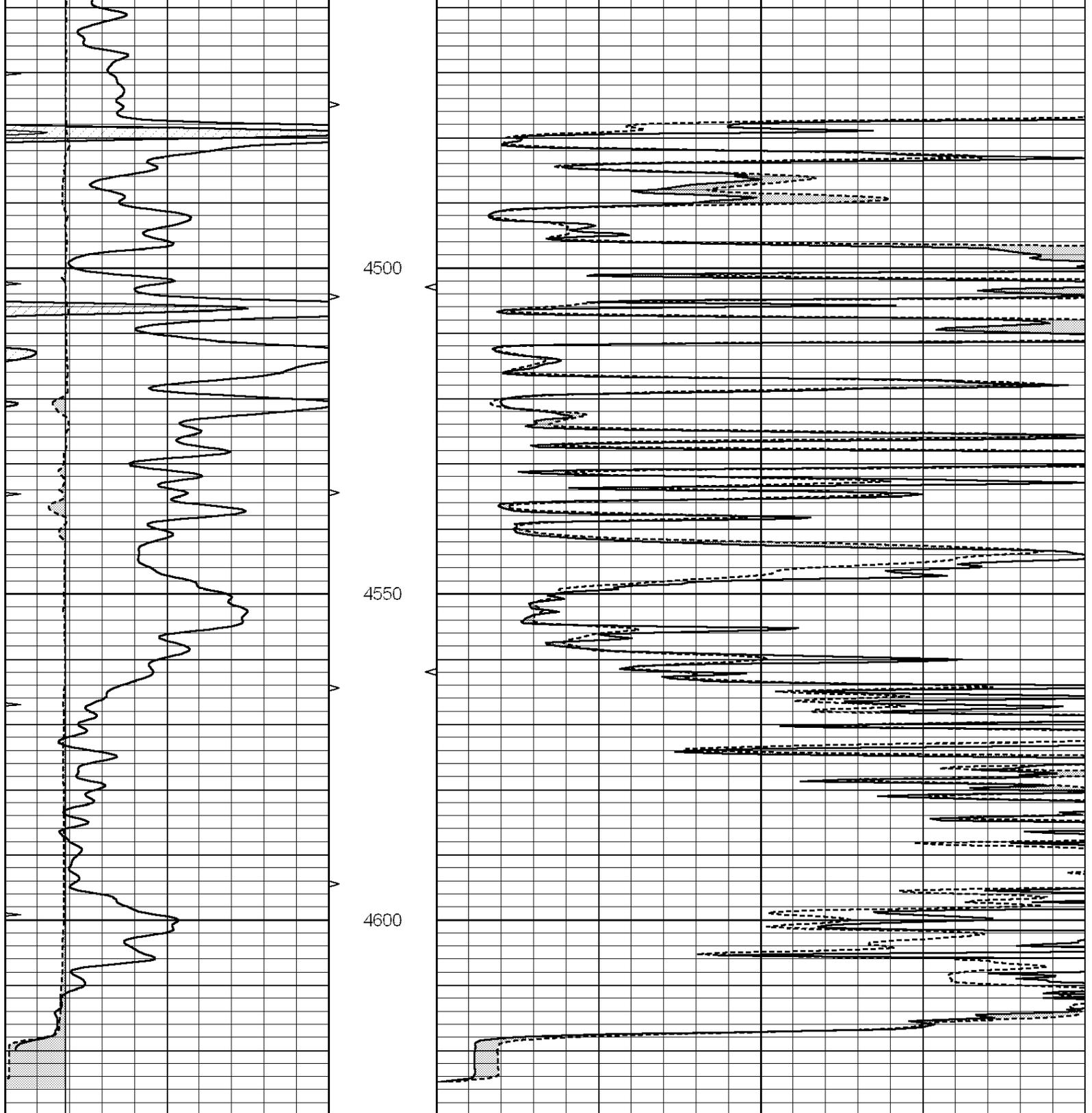


# REPEAT SECTION

Database File: 1417ddn.db  
 Dataset Pathname: pass5.6  
 Presentation Format: micro  
 Dataset Creation: Sat Apr 29 05:37:04 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		





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: 1417ddn.db  
 Dataset Pathname: pass6.2  
 Dataset Creation: Sat Apr 29 05:29:46 2017 by Calc SOC 120430

Serial Number: 070911  
Tool Model: ProbeN  
Performed: Tue Apr 11 06:54:42 2017

Caliper Calibration:	Gain=3.080	Offset=3.680
	Low Cal	High Cal
References	8.300	16.000
Readings	1.500	4.000

1.5" Calibration:	Gain=44.000	Offset=-0.500
	Low Cal	High Cal
References	0.000	20.000
Readings	0.001	1.240

2" Calibration:	Gain=46.000	Offset=-0.200
	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: Sat Apr 15 00:30:04 2017

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2100	GAPI/cps