



MICRO LOG

Company	ARP OPERATING, LLC.	Company	ARP OPERATING, LLC.
Well	BRADSHAW #1-33	Well	BRADSHAW #1-33
Field	WILDCAT	Field	WILDCAT
County	THOMAS	County	THOMAS
State	KANSAS	State	KANSAS
Location:	API # : 15-193-21089-0000 500' FNL & 595' FWL SE - NW - NW - NW	Other Services CDL/CNL/PE DIL/SONIC	
Permanent Datum	GROUND LEVEL	Elevation	3026
Log Measured From	KELLY BUSHING 11' A.G.L.	K.B. 3037 D.F. 3035 G.L. 3026	
Drilling Measured From	KELLY BUSHING		
SEC 33 TWP 10S RGE 32W			
Date	11/4/21		
Run Number	TWO		
Depth Driller	4684		
Depth Logger	4670		
Bottom Logged Interval	4654		
Top Log Interval	3600		
Casing Driller	8 5/8" @ 250'		
Casing Logger	250		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2,200 PPM	
Density / Viscosity	9.5/50		
pH / Fluid Loss	11.0/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.20 @ 82F		
Rmf @ Meas. Temp	.900 @ 82F		
Rmc @ Meas. Temp	1.44 @ 82F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.807 @ 122F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	1:15 A.M.		
Maximum Recorded Temperature	122F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	SEAN 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.

15-193-21089-0000

Comments

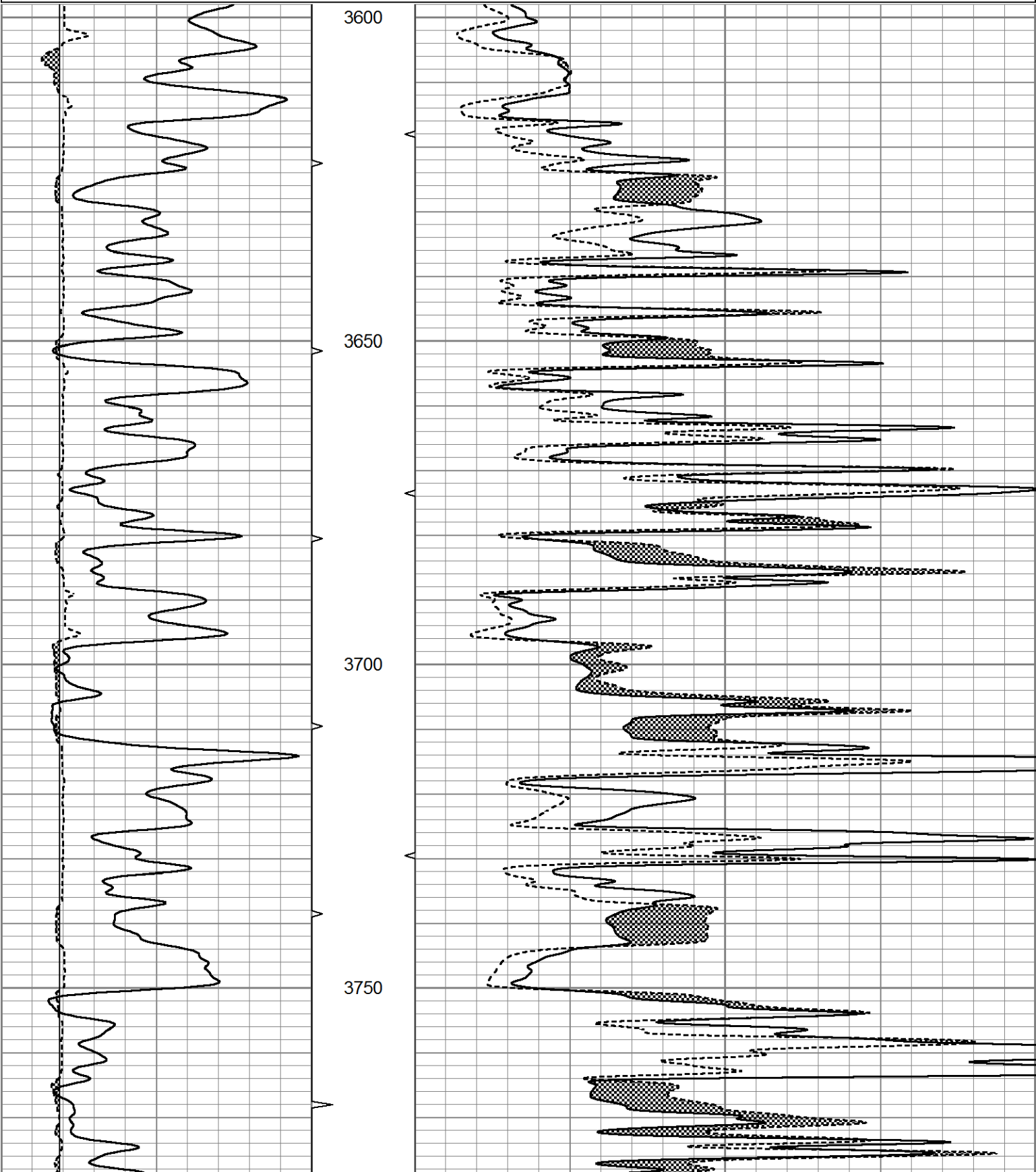
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
OAKLEY, KS., (I-70 & EXIT 70) 2S. TO "RD. C", 2W., 1S., E. INTO

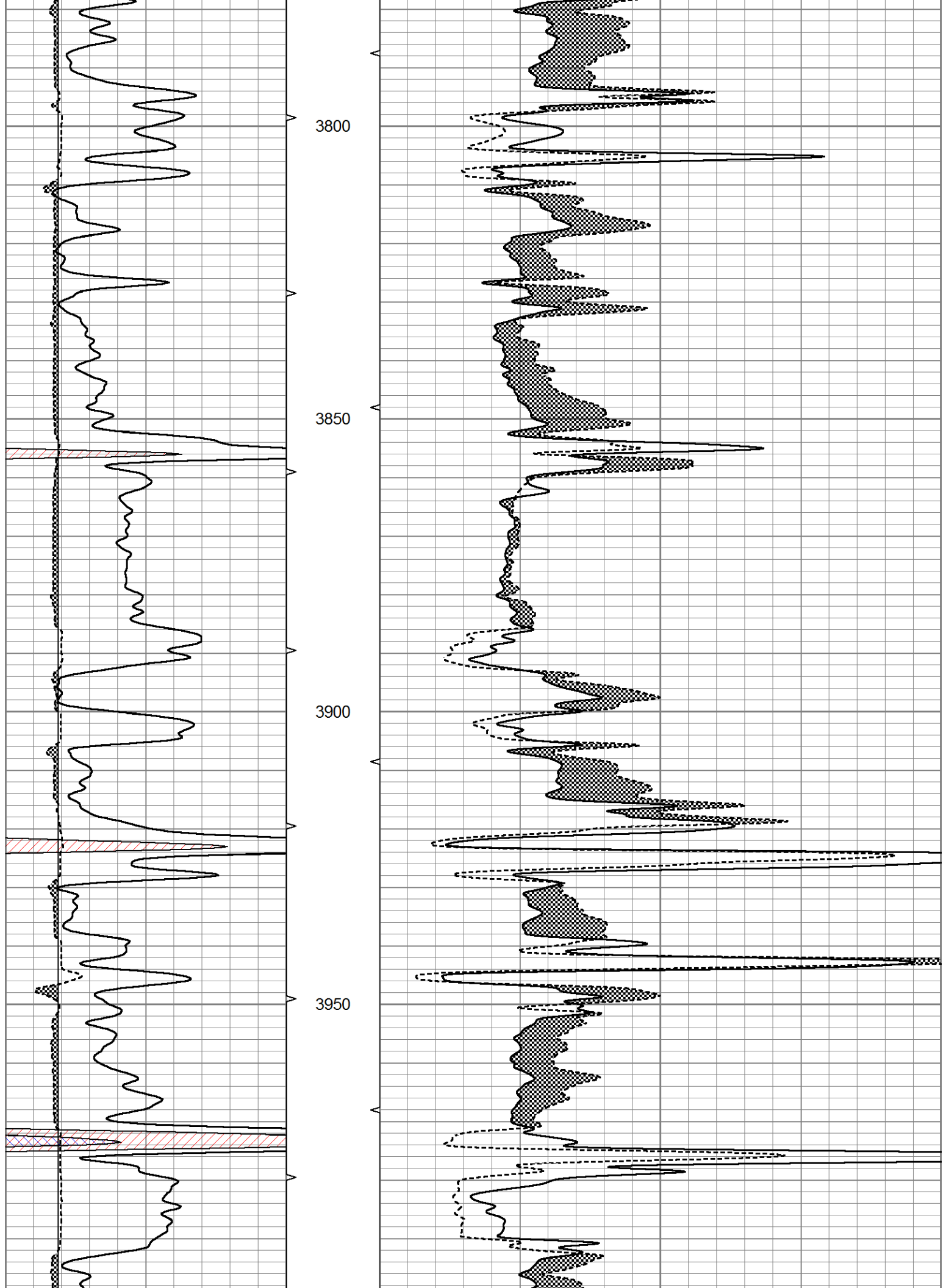


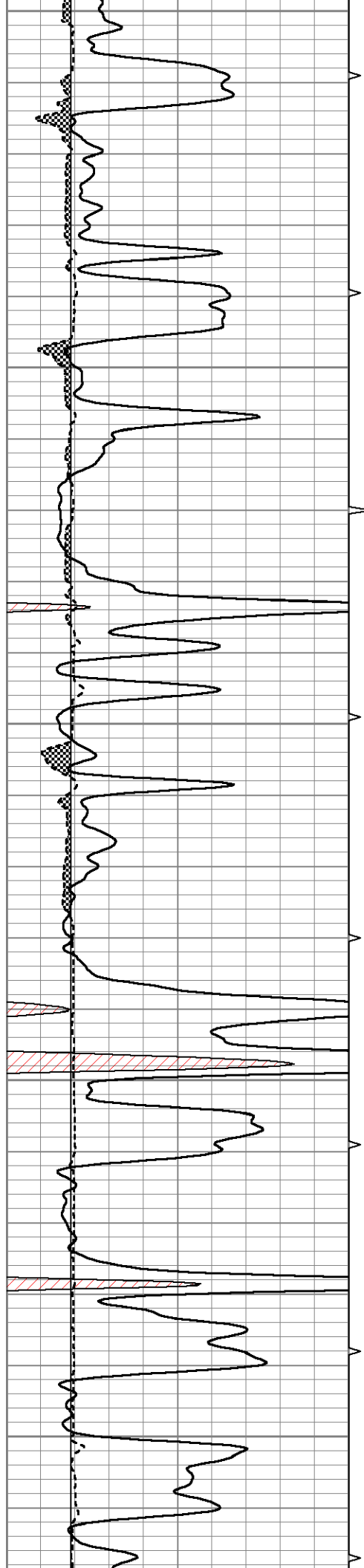
MAIN SECTION

Database File	5830pe.db
Dataset Pathname	pass6.1
Presentation Format	micro
Dataset Creation	Thu Nov 04 02:19:56 2021
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150	ABHV	0	MEL20 (Ohm-m)	40
6	MELCAL (in)	16	10 (ft3)	0	MEL15 (Ohm-m)	40
			ABHV			
			0 (ft3) 10			







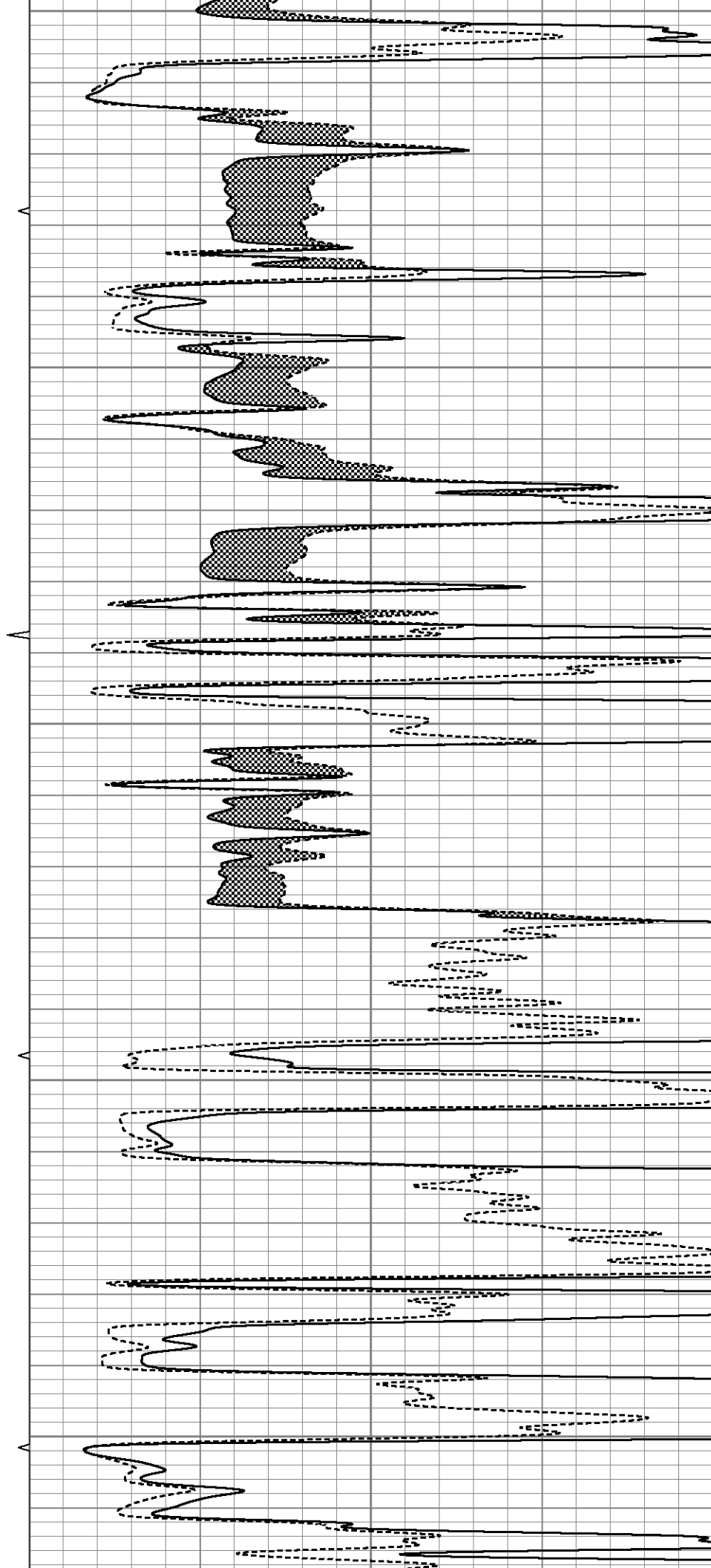
4000

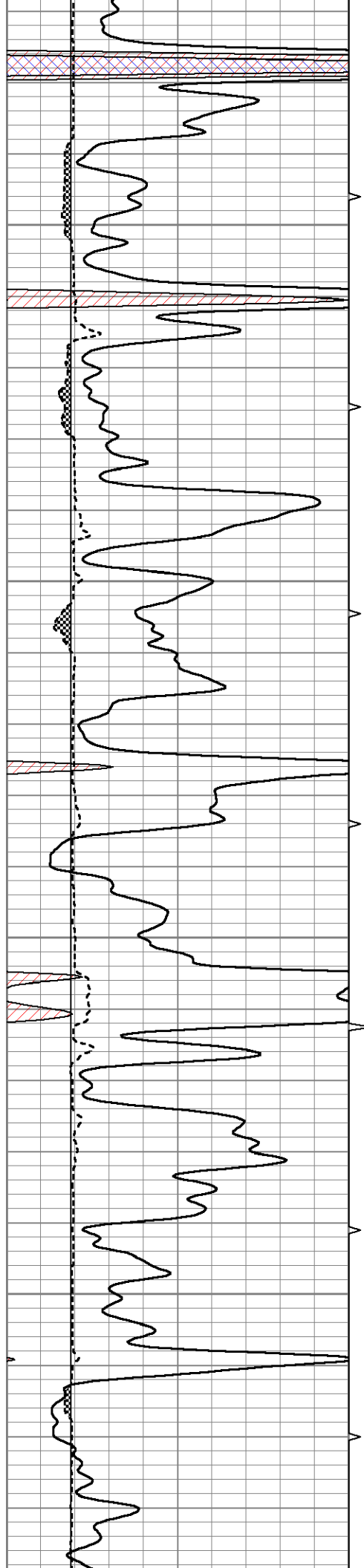
4050

4100

4150

4200



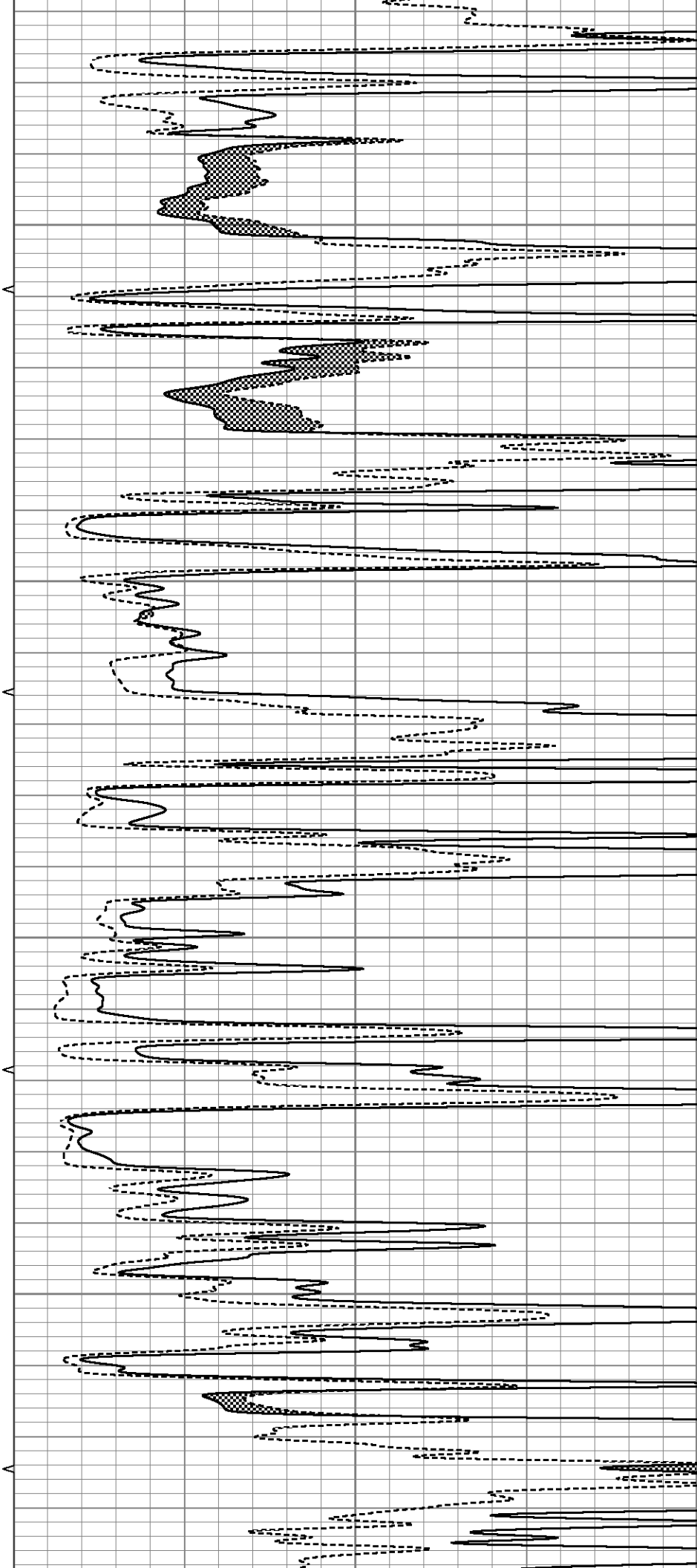


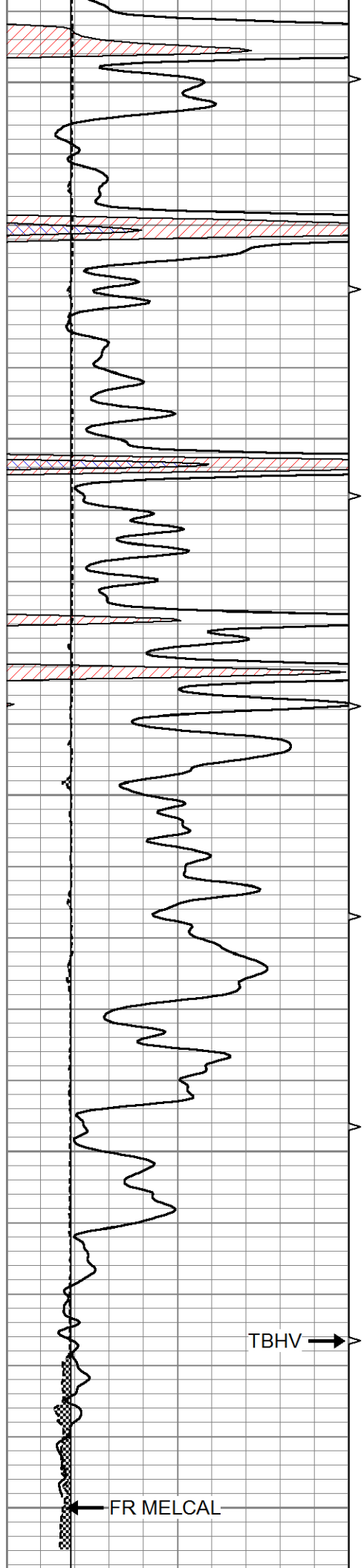
4250

4300

4350

4400





4450

4500

4550

4600

4650

TBHV →

FR MELCAL

5.5" ABHV



MEL20 →

← MEL15

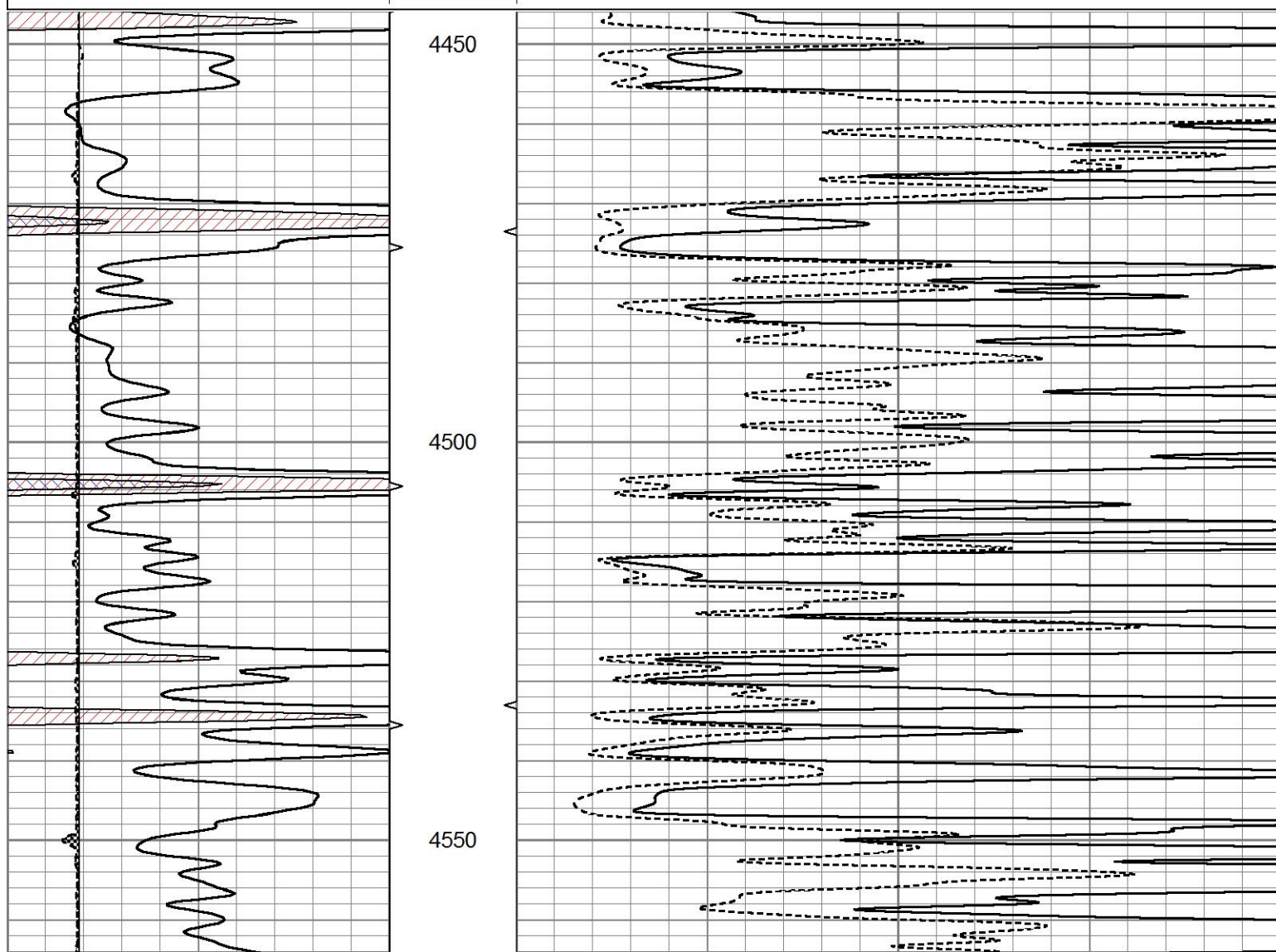
			LTD 4670			
0	GR (GAPI)	150	ABHV	0	MEL20 (Ohm-m)	40
6	MELCAL (in)	16	10 (ft3) 0	0	MEL15 (Ohm-m)	40
			ABHV			
			0 (ft3) 10			

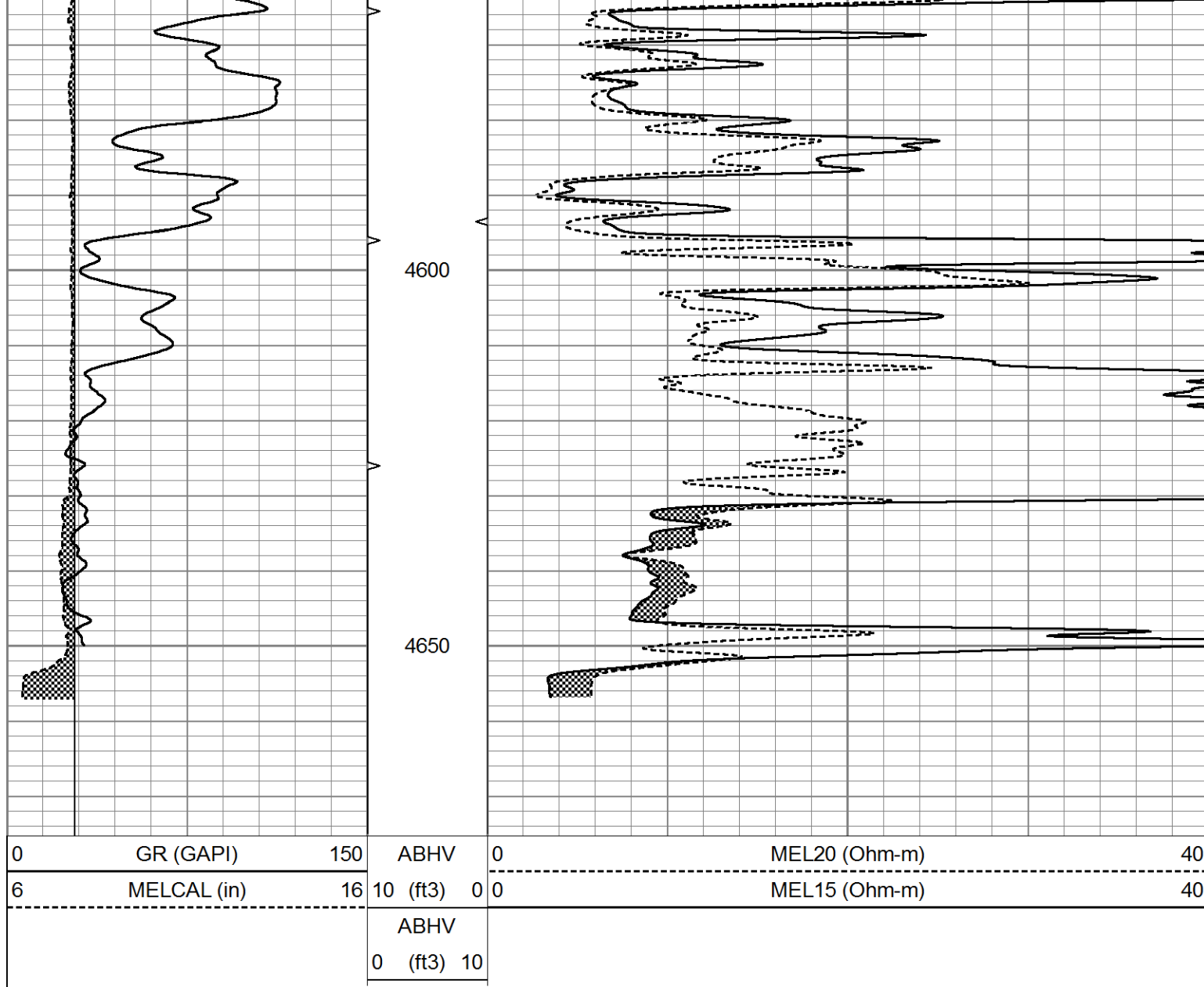


REPEAT SECTION

Database File 5830pe.db
 Dataset Pathname pass5.4
 Presentation Format micro
 Dataset Creation Thu Nov 04 02:02:25 2021
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	ABHV	0	MEL20 (Ohm-m)	40
6	MELCAL (in)	16	10 (ft3) 0	0	MEL15 (Ohm-m)	40
			ABHV			
			0 (ft3) 10			





Database File		5830pe.db		Calibration Report	
Dataset Pathname		pass6.1			
Dataset Creation		Thu Nov 04 02:19:56 2021			
MICRO Calibration Report					
Serial Number:		070912			
Tool Model:		ProbeN			
Performed:		Sat Oct 16 16:00:07 2021			
Caliper Calibration:		Gain=3.448		Offset=0.828	
References		Low Cal		High Cal	
Readings		8.000		16.000	
		2.080		4.400	
1.5" Calibration:		Gain=28.000		Offset=-0.500	
References		Low Cal		High Cal	
Readings		0.000		20.000	
		0.002		1.239	
2" Calibration:		Gain=40.000		Offset=0.500	
References		Low Cal		High Cal	
Readings		0.000		20.000	
		0.002		1.239	

References	Low Cal	High Cal
Readings	0.000	20.000
	0.003	1.075
Gamma Ray Calibration Report		
Serial Number:	070559	
Tool Model:	OPEN_GR	
Performed:	Sun Oct 24 12:56:47 2021	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2800	GAPI/cps