



MICRO LOG

Company HERMAN L. LOEB, LLC.

Well L-ROC #1-20

Field EINSEL NORTH EXTENSION

County KIOWA State KANSAS

Location: API # : 15-097-21859-0000

525' FSL & 1385' FWL
NW - SW - SE - SW
SEC 20 TWP 27S RGE 18W

Permanent Datum GROUND LEVEL Elevation 2199
Log Measured From KELLY BUSHING 11A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL/PE
DIL/SONIC

Elevation

K.B. 2210
D.F. 2208
G.L. 2199

Date 7/7/21

Run Number TWO

Depth Driller 4815

Depth Logger 4815

Bottom Logged Interval 4799

Top Log Interval 3900

Casing Driller 8 5/8" @ 605'

Casing Logger 605

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.2/64

pH / Fluid Loss 11.0/9.2

Source of Sample FLOWLINE

Rm @ Meas. Temp .600 @ 96F

Rmf @ Meas. Temp .450 @ 96F

Rmc @ Meas. Temp .720 @ 96F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .468 @ 123F

Time Circulation Stopped 3.5 HOURS

Time Logger on Bottom 5.45 P.M

Maximum Recorded Temperature 123F

Equipment Number 922339

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By JON CHRISTENSEN

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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.

15-097-21859-0000

Comments

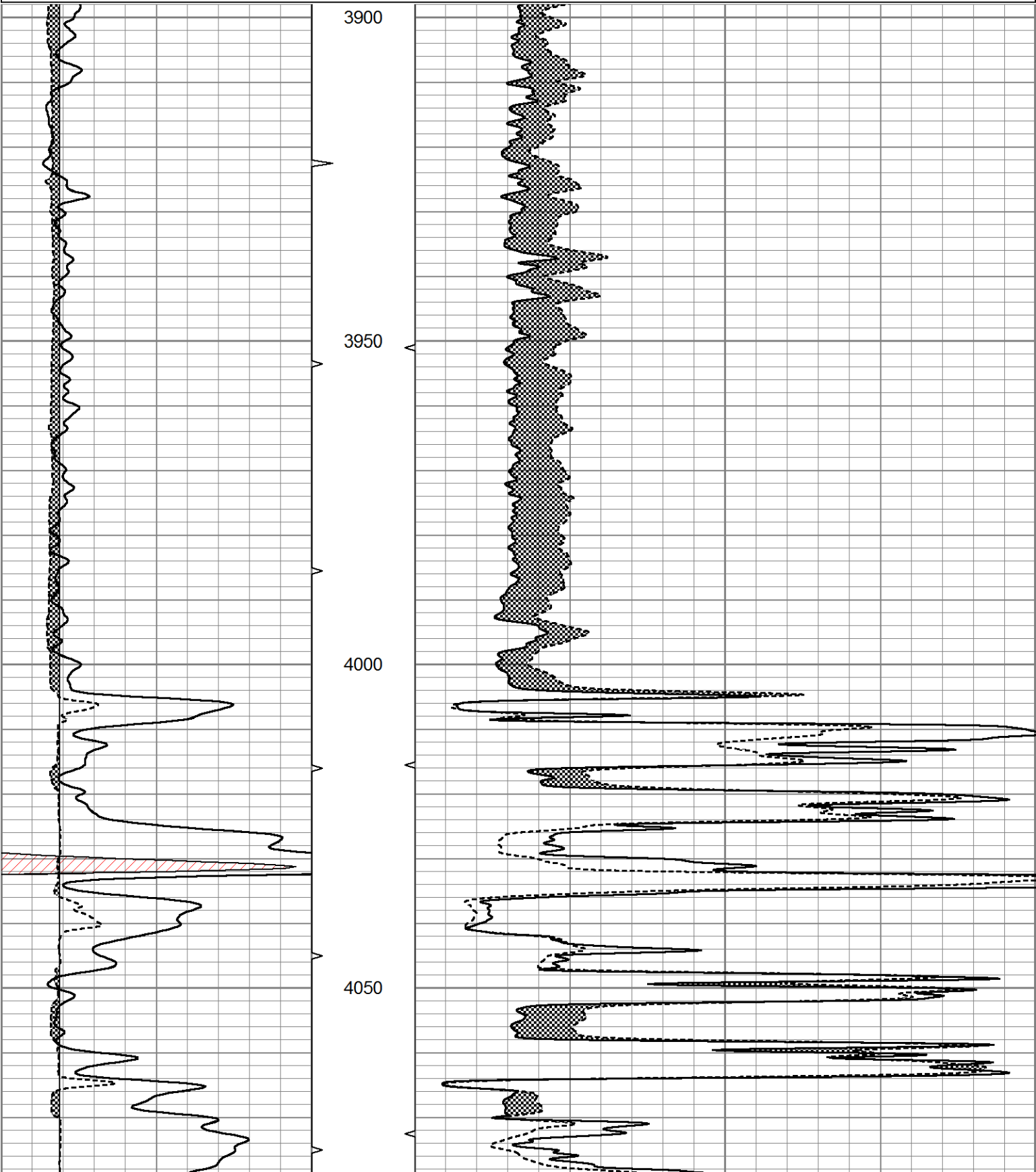
THANK YOU FOR USING E.L.I. WIRELINE SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
GREENSBURG, KS., 1 W. TO (54 & 183 JUNCTION) 4 3/4 N. TO E RD., E. INTO GATE

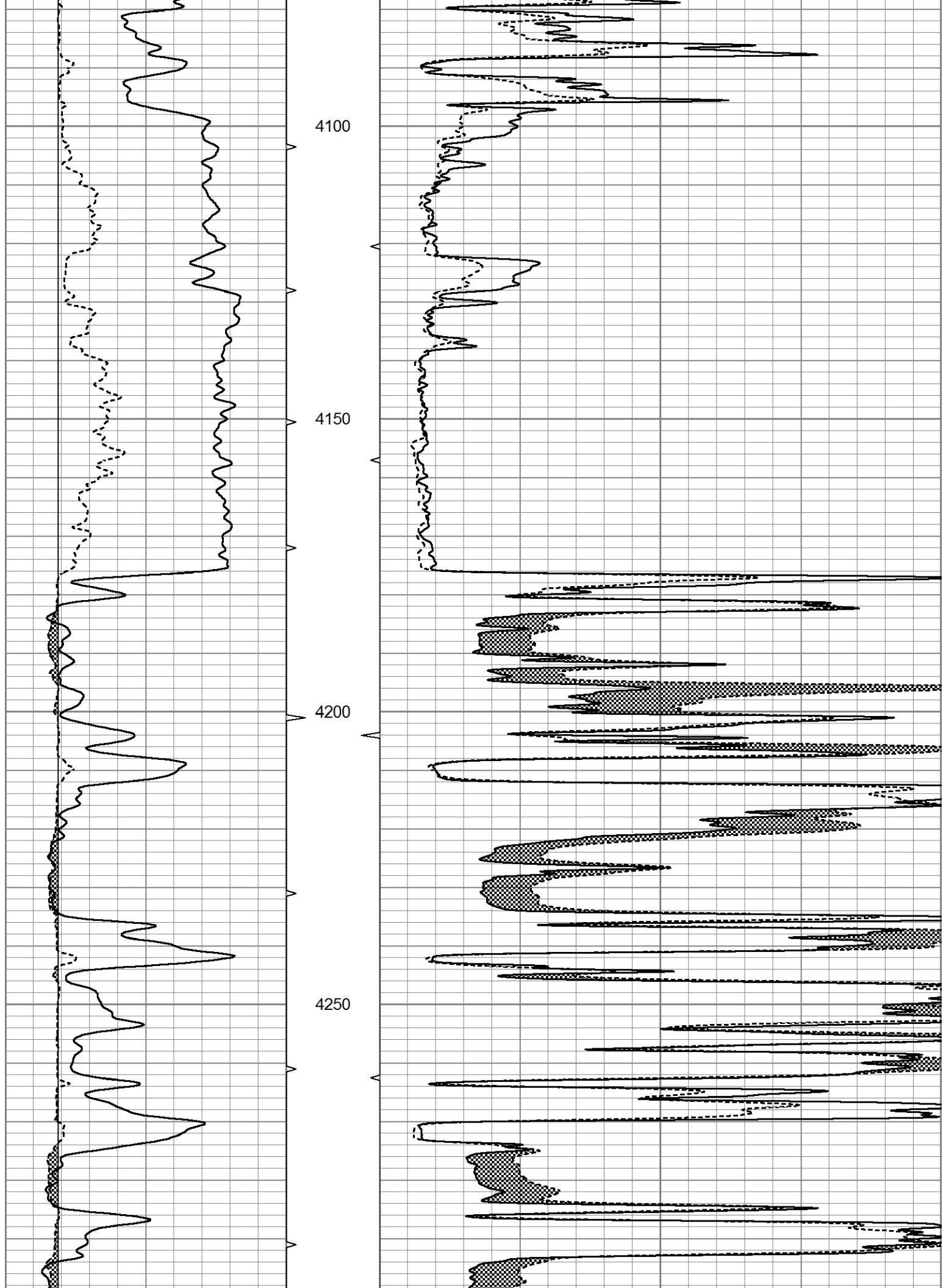


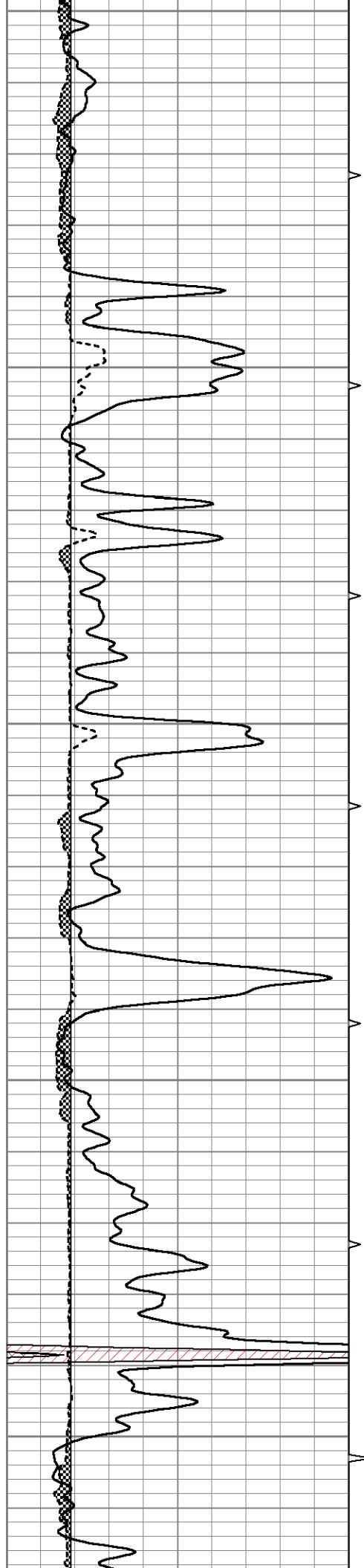
MAIN SECTION

Database File	5583pe.db
Dataset Pathname	pass9.1
Presentation Format	micro
Dataset Creation	Wed Jul 07 18:39:48 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			







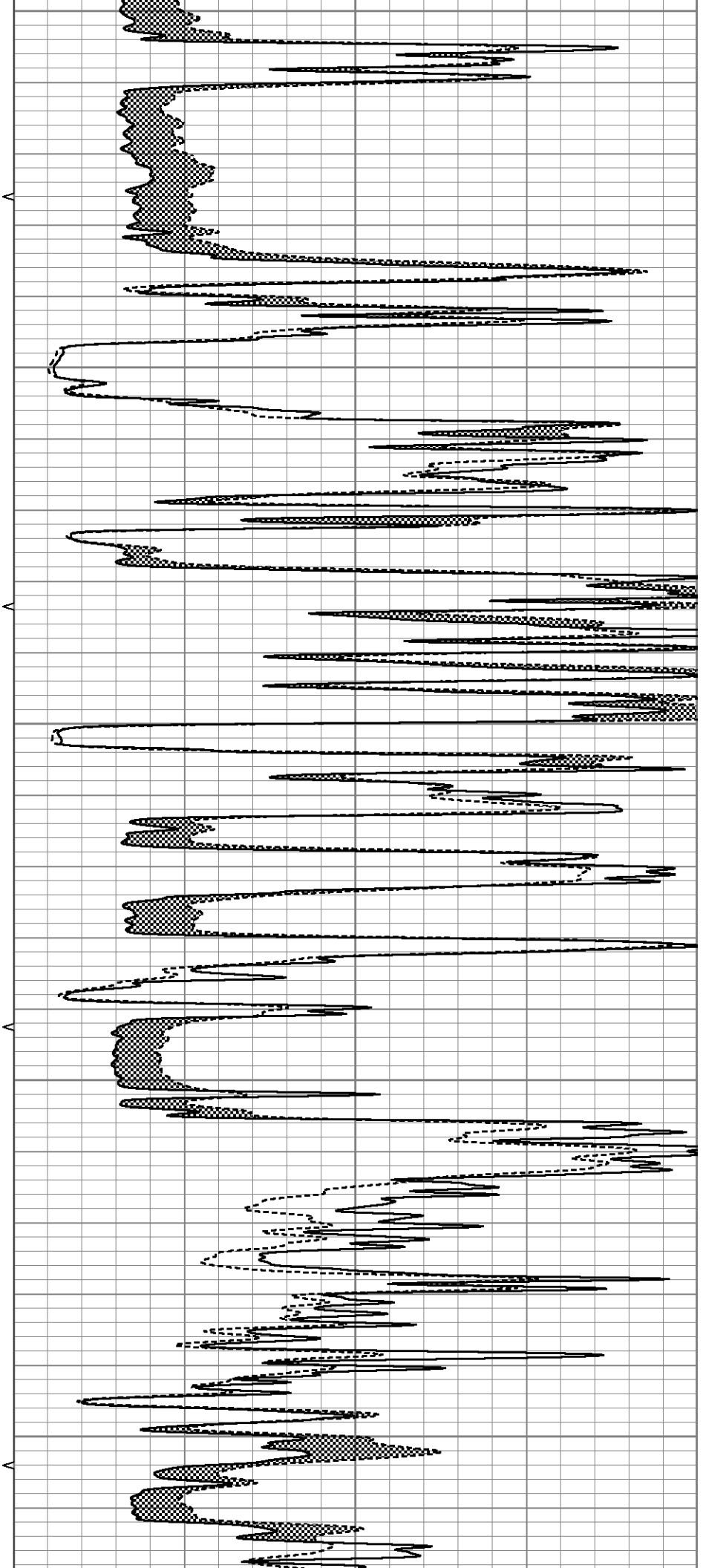
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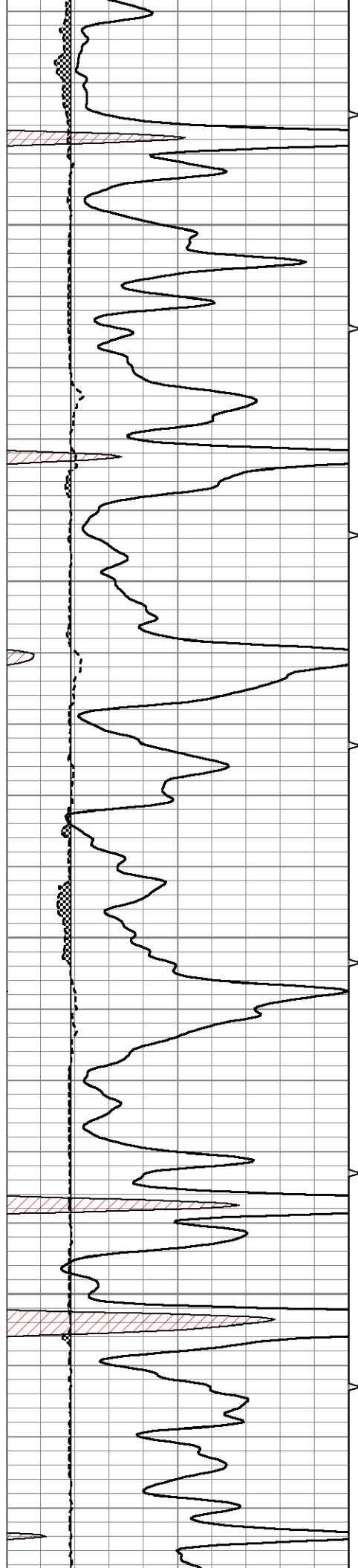
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4400

4450

4500





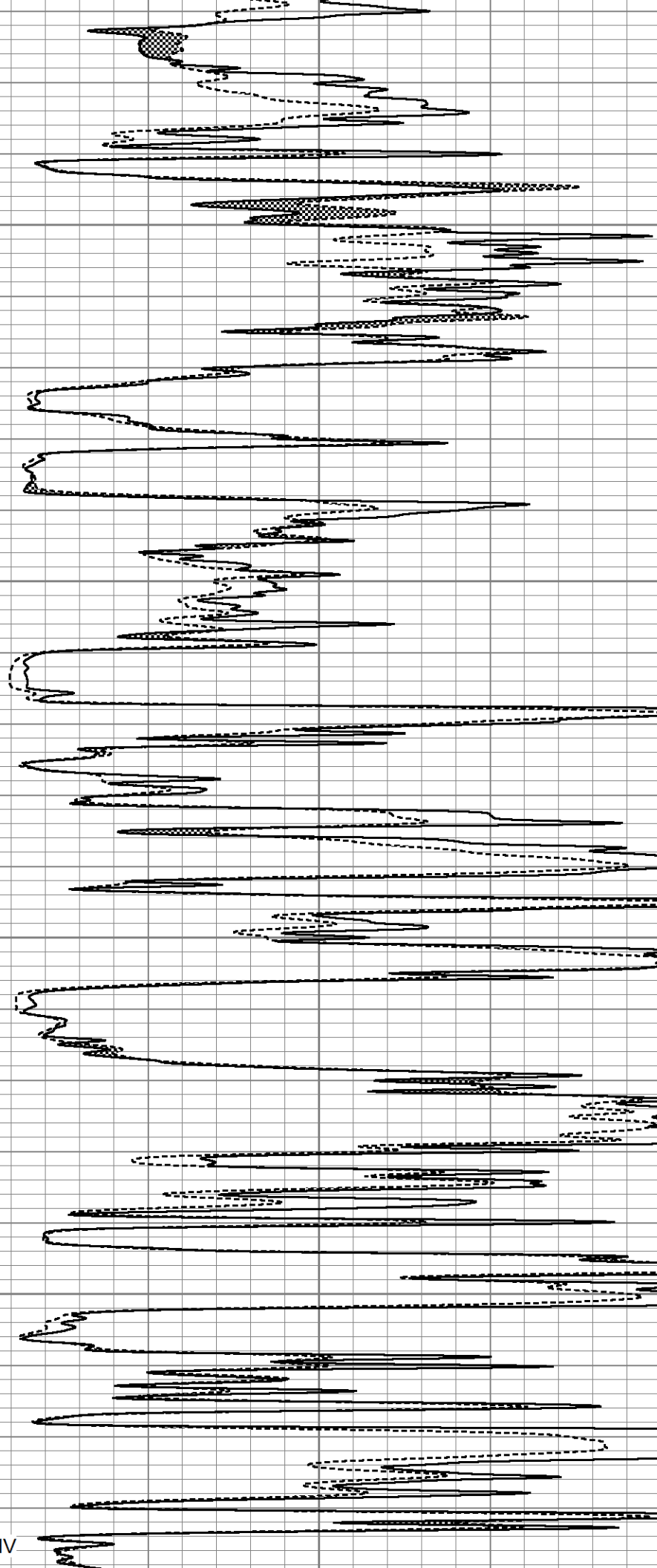
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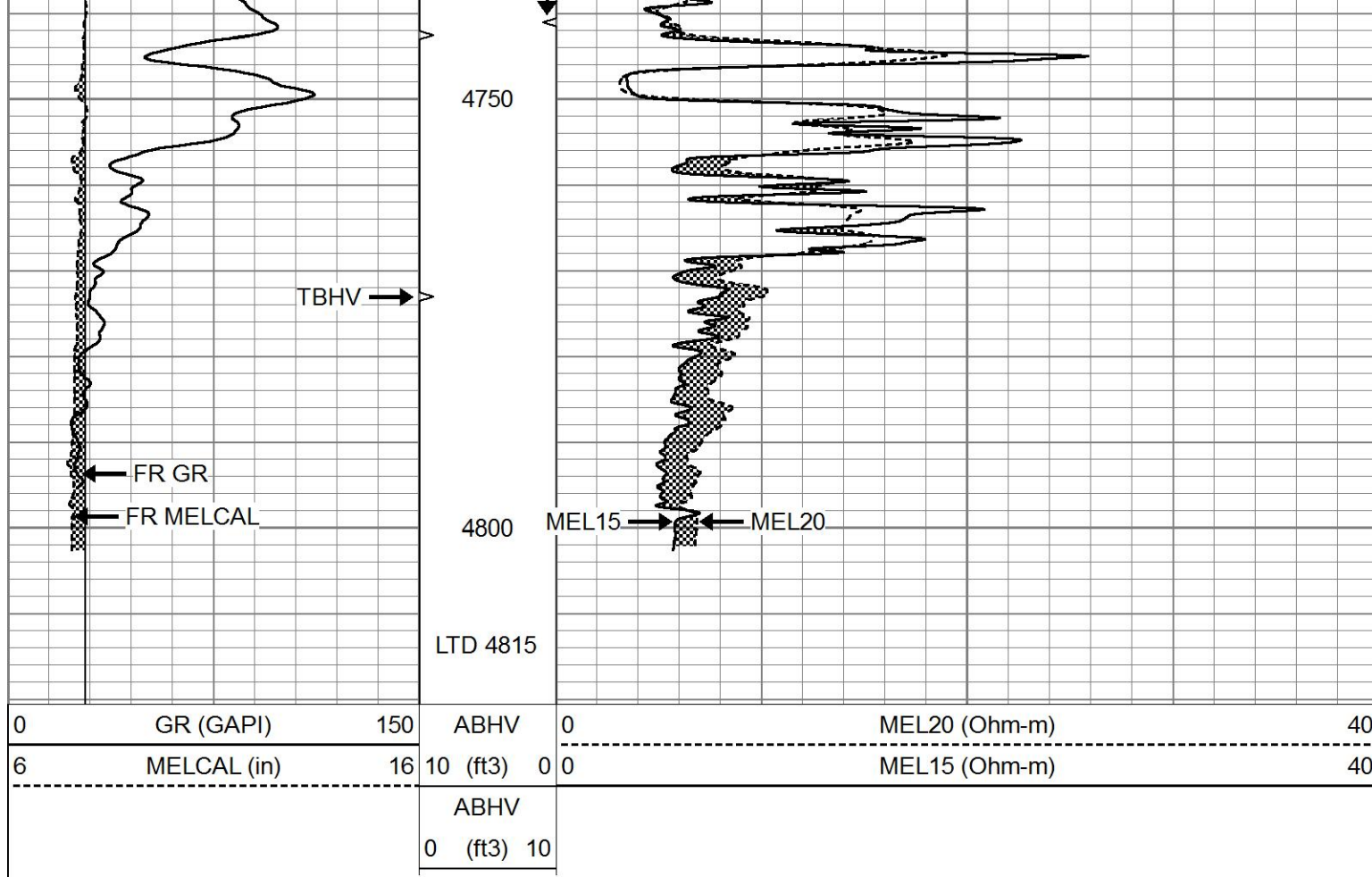
4600

4650

4700

5.5" ABHV

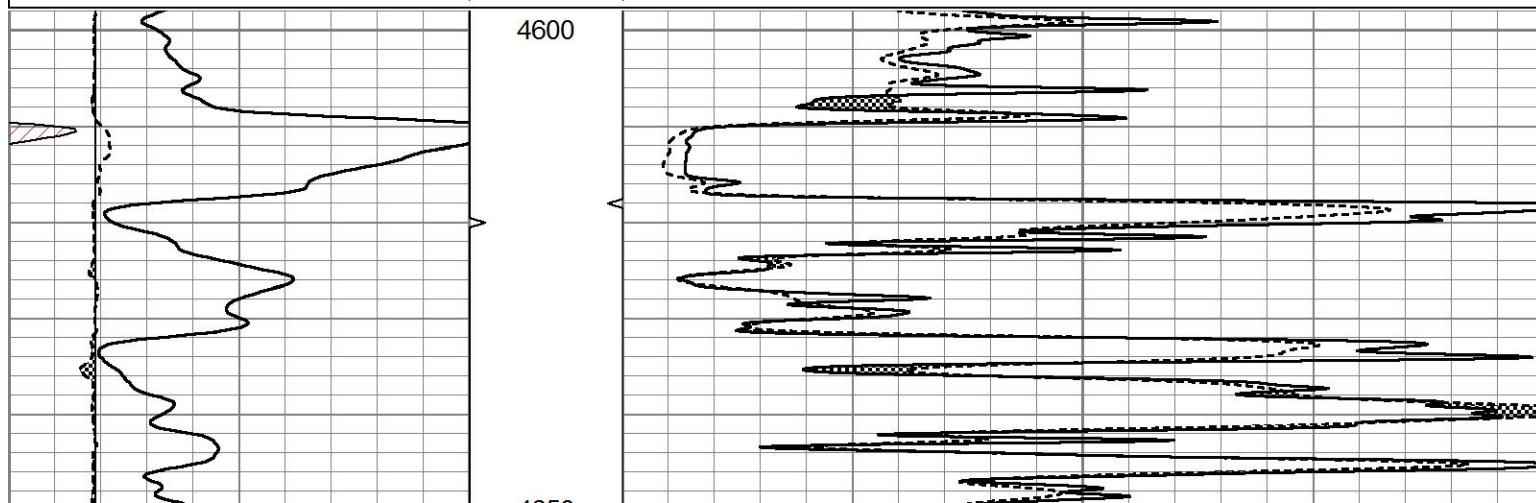


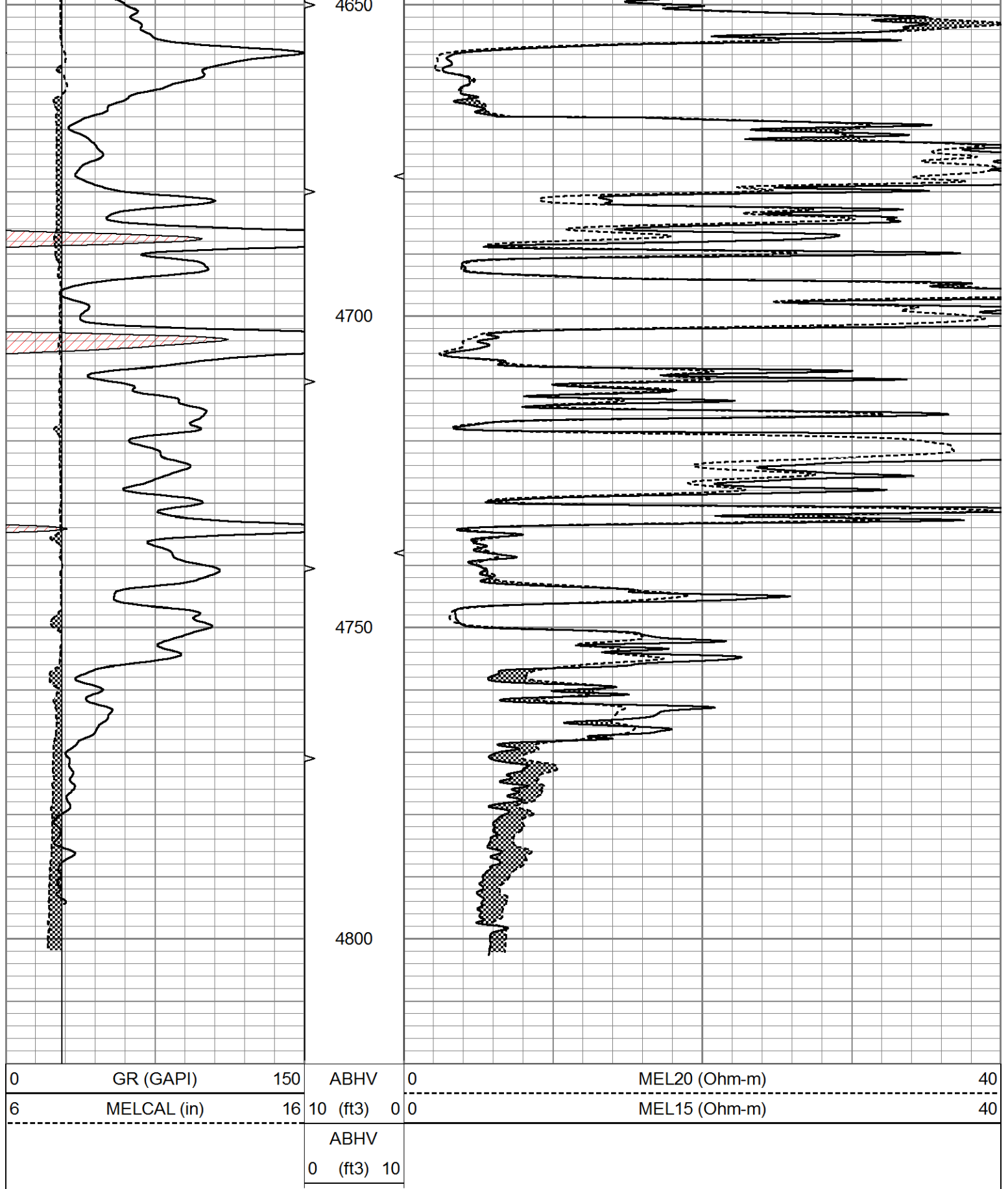


REPEAT SECTION

Database File 5583pe.db
 Dataset Pathname pass8.3
 Presentation Format micro
 Dataset Creation Wed Jul 07 18:49:48 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			





Calibration Report

Database File 5583pe.db
 Dataset Pathname pass9.1
 Dataset Creation Wed Jul 07 18:39:48 2021

MICRO Calibration Report

Serial Number:	070912	
Tool Model:	ProbeN	
Performed:	Mon Jun 28 23:50:29 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=32.000	Offset=0.500
References	Low Cal	High Cal
Readings	0.000	20.000
	0.002	1.239
2" Calibration:	Gain=50.000	Offset=-0.400
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:	Mon Jun 28 23:50:26 2021	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3500	GAPI/cps