MICRO LOG

Company HARTMAN OIL CO., INC.
Well HEYEN #1-3
Field GRAY NORTH
County STAFFORD State KANSAS

Location: API # : 15-185-24107-0000
2307' FNL & 1113' FEL
NW - SW - SE - NE

SEC 2 TWP 24S RGE 13W

Other Services
CDL/CNL/DIL
PE/SONIC

Elevation
K.B. 1905
D.F. 1903
G.L. 1894

Permanent Datum GROUND LEVEL Elevation 1894
Log Measured From KELLY BUSHING 11' A.G.L.
Drilling Measured From KELLY BUSHING

Date	4/23/22		
Run Number	TWO		
Depth Driller	4100		
Depth Logger	4101		
Bottom Logged Interval	4085		
Top Log Interval	2900		
Casing Driller	8 5/8"@326'		
Casing Logger	316'		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 9,500 PPM	
Density / Viscosity	9.2/52		
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.340@85F		
Rmf @ Meas. Temp	.255@85F		
Rmc @ Meas. Temp	.408@85F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.247@117F		
Time Circulation Stopped	6.5 HOURS		
Time Logger on Bottom	5:00 A.M.		
Maximum Recorded Temperature	117F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS	COLE ROBBEN	
Witnessed By	JEFF LAWLER		

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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

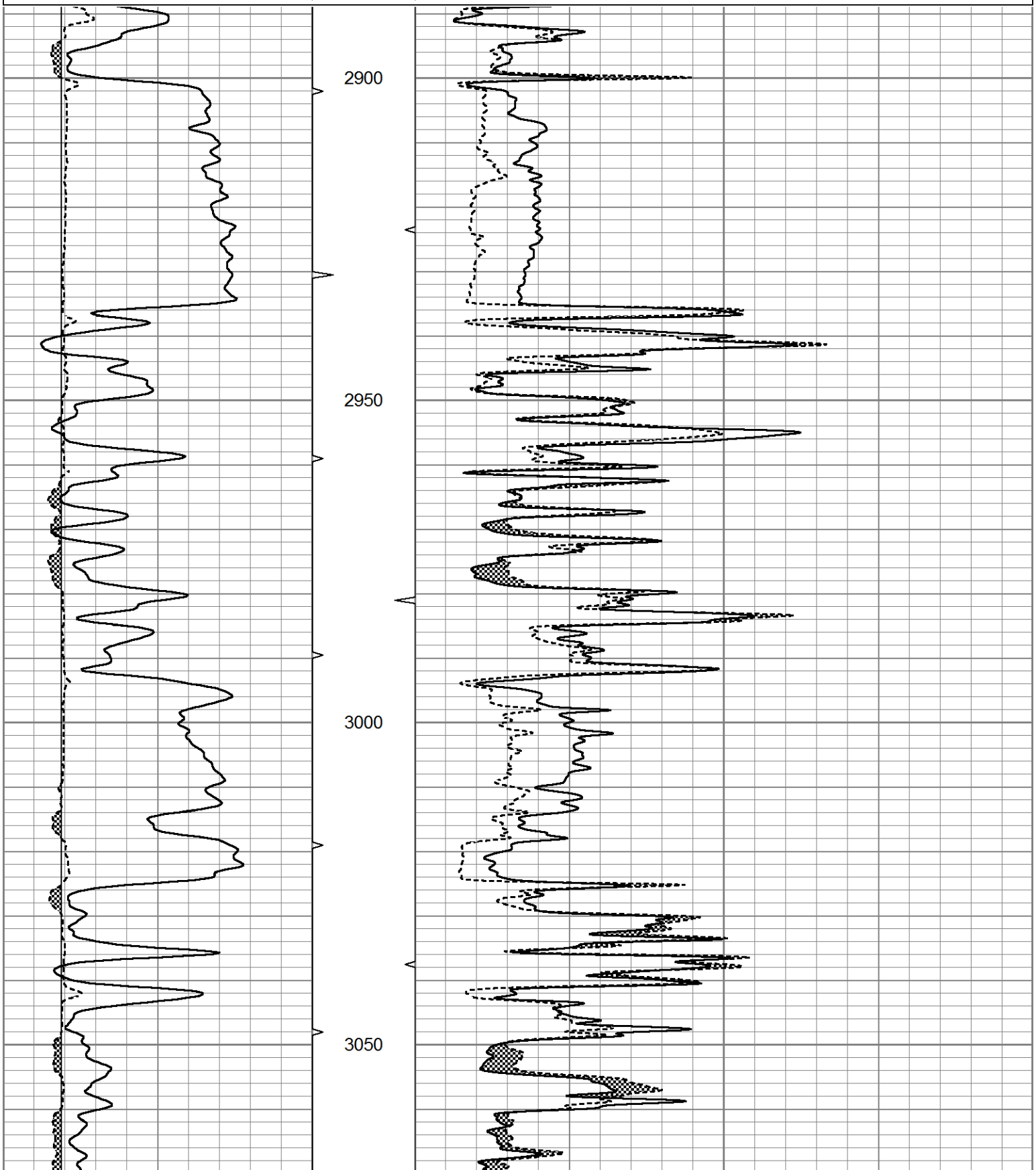
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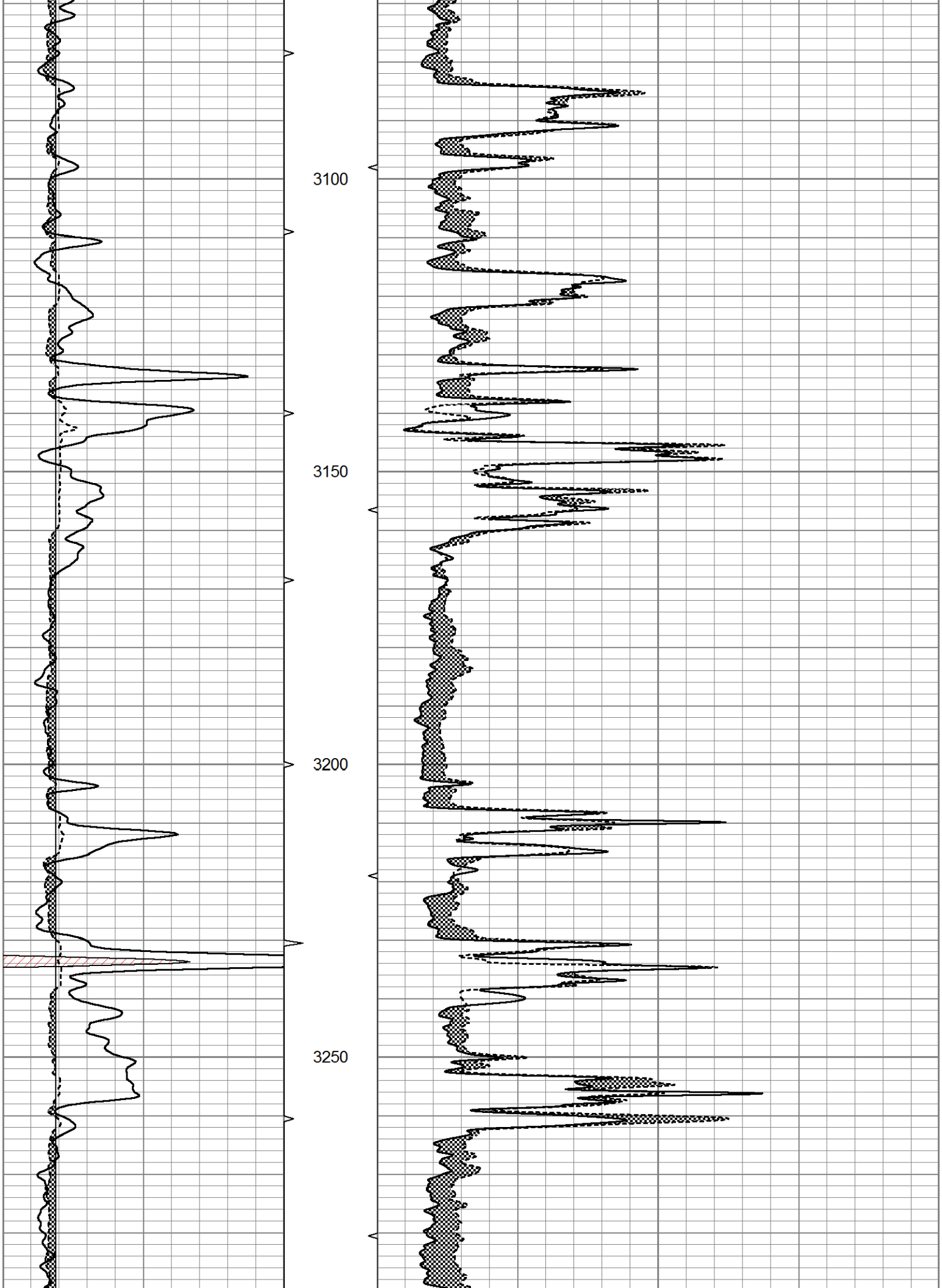
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
ST JOHN, KS. E ON NE 30TH ST. 1.5 MILES, S. INTO PAST TANK BATTERIES

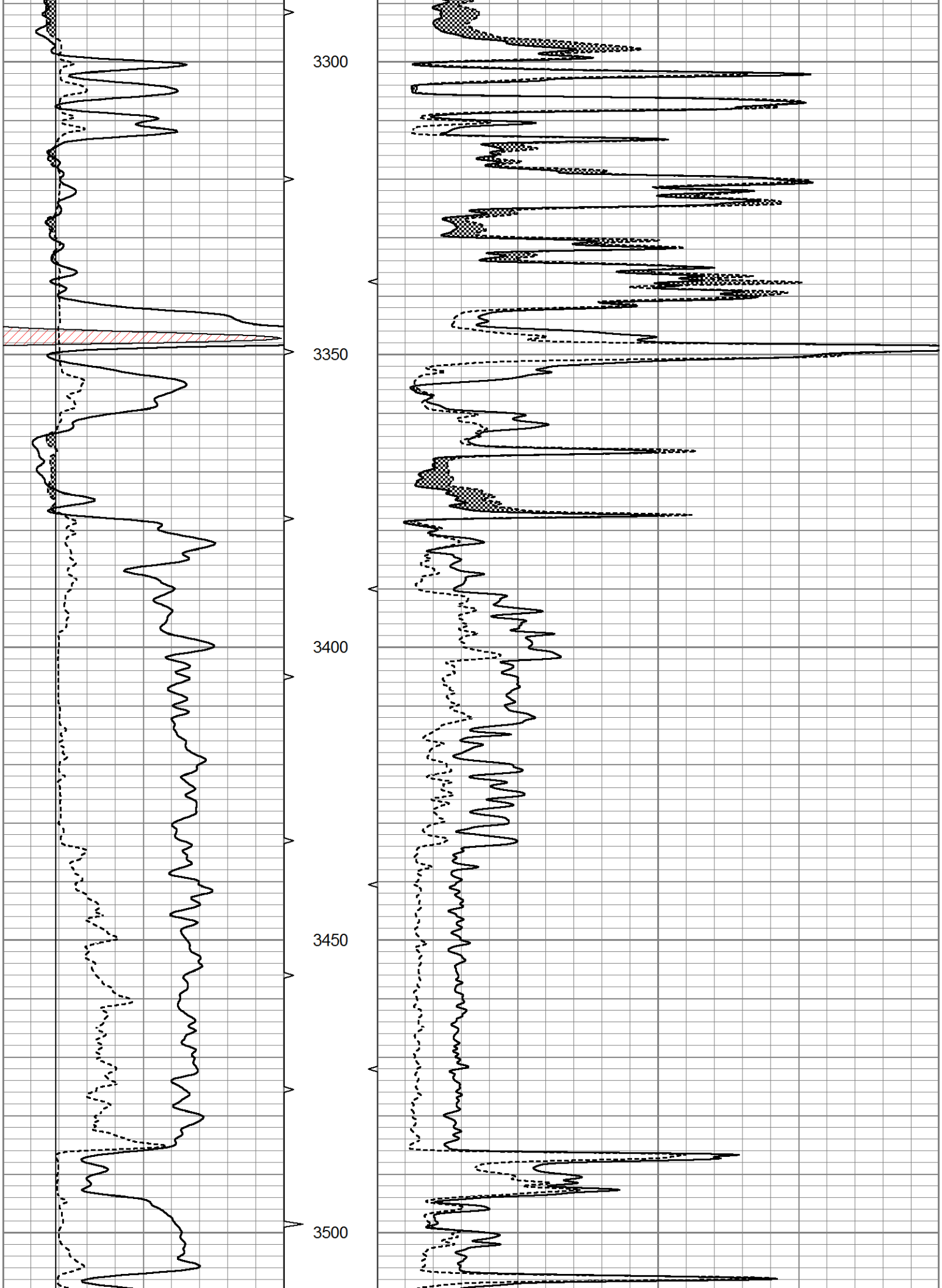
MAIN SECTION

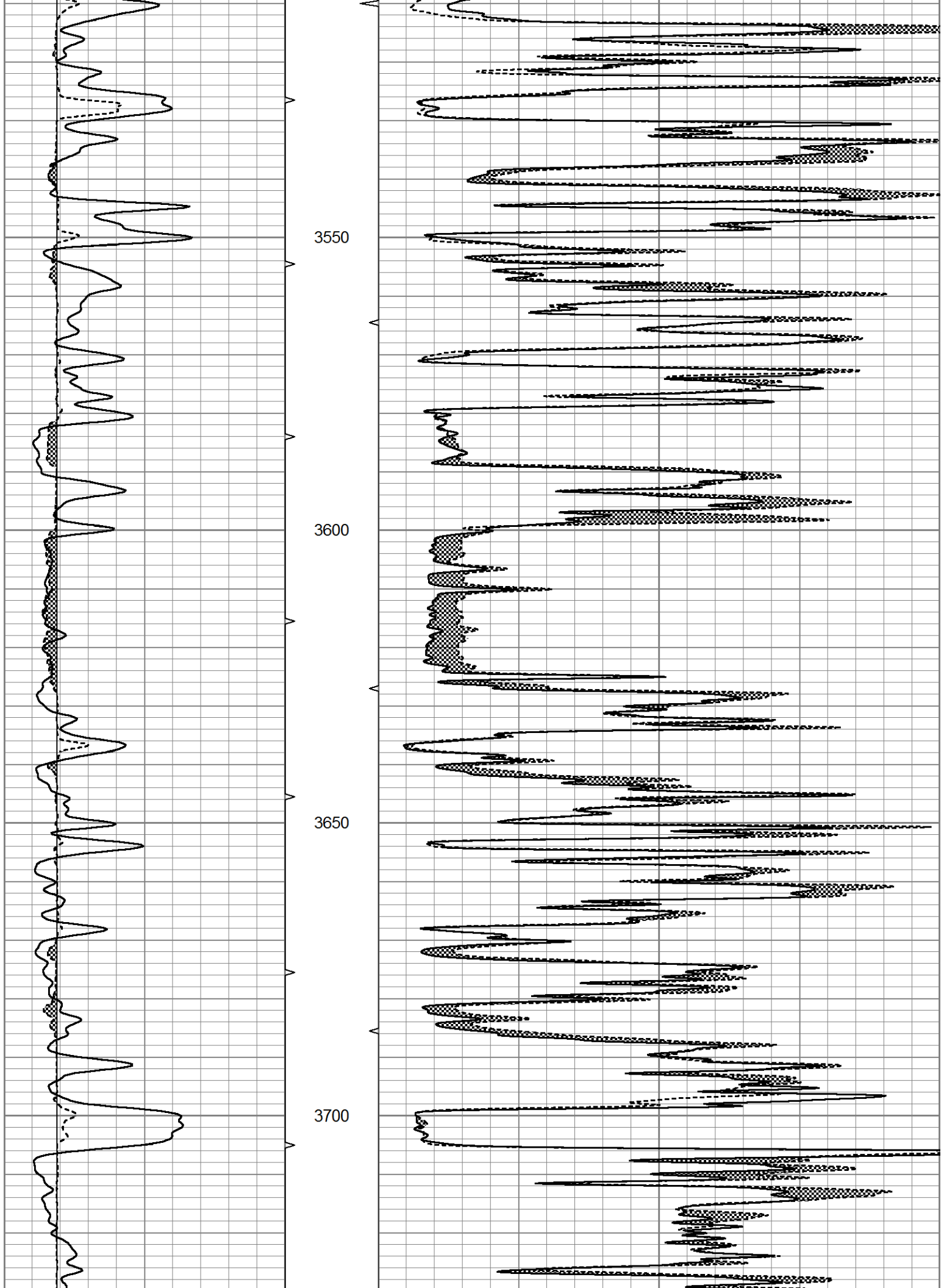
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Dataset Pathname	pass13.3
Presentation Format	micro
Dataset Creation	Sat Apr 23 06:31:25 2022
Charted by	Depth in Feet scaled 1:240

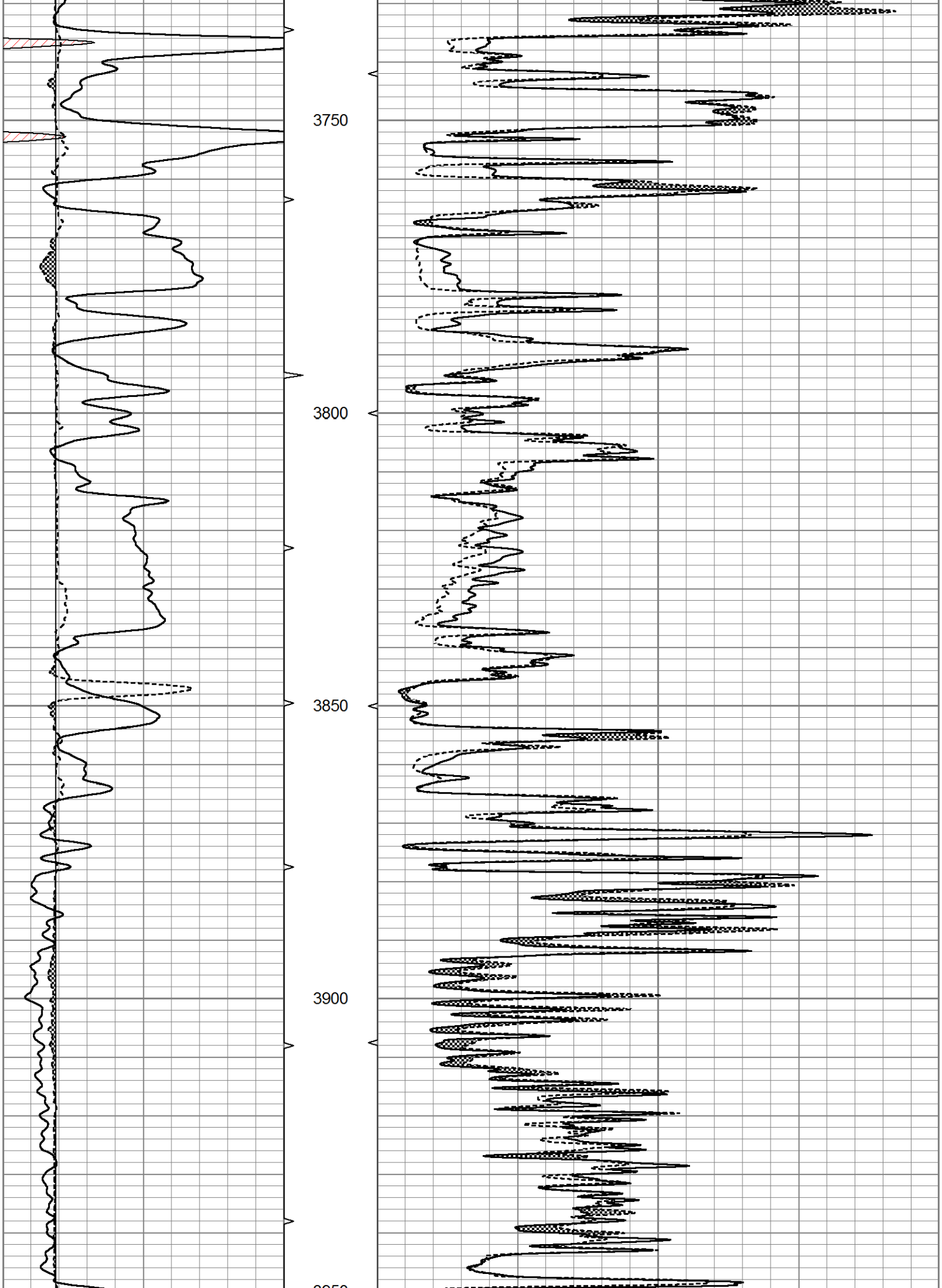
0	GR (GAPI)	150	ABHV	0	MEL20 (Ohm-m)	40
6	MELCAL (in)	16	10 (ft3) 0	0	MEL15 (Ohm-m)	40
			ABHV			
			0 (ft3) 10			

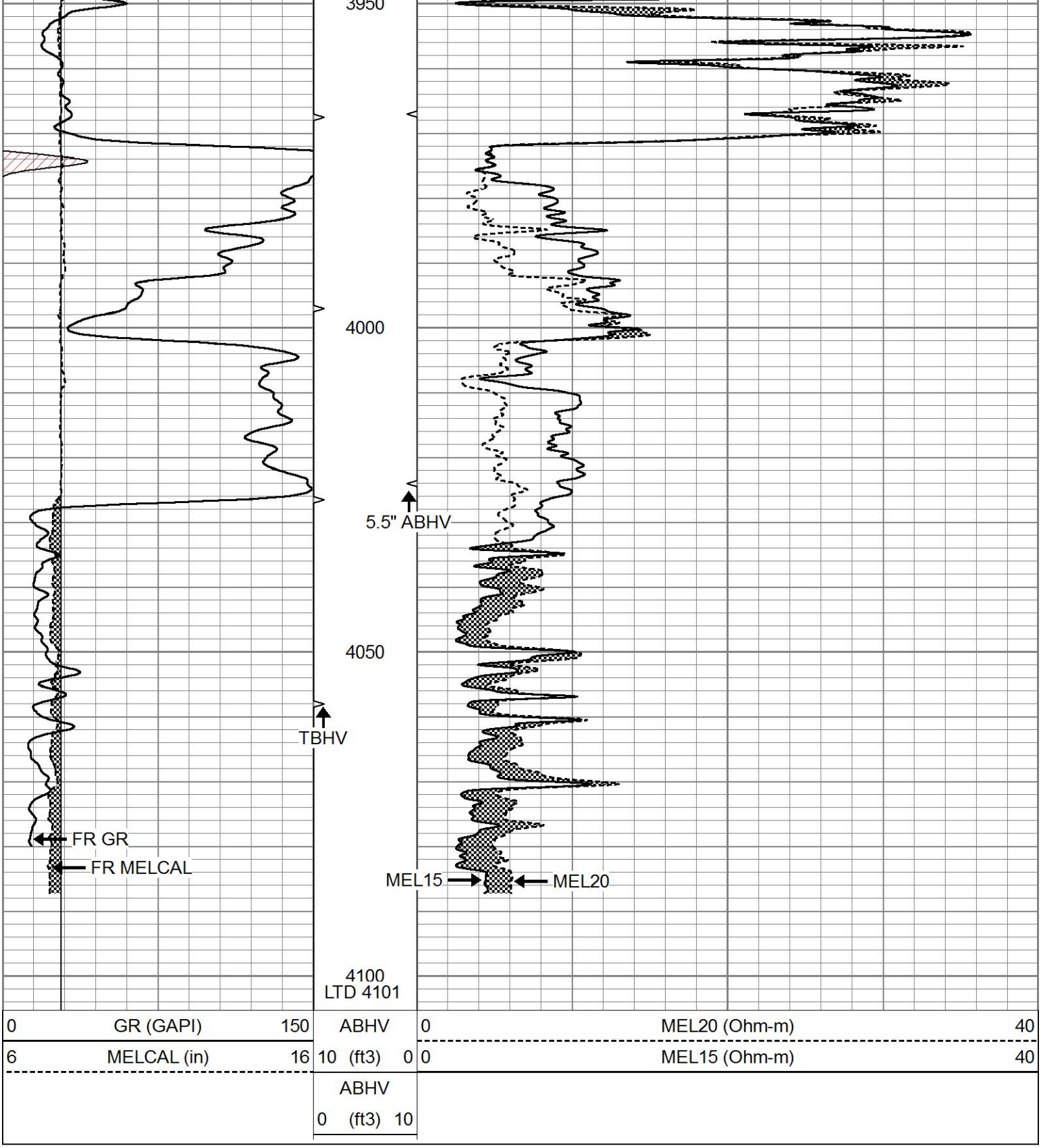



3100
3150
3200
3250


3300
3350
3400
3450
3500

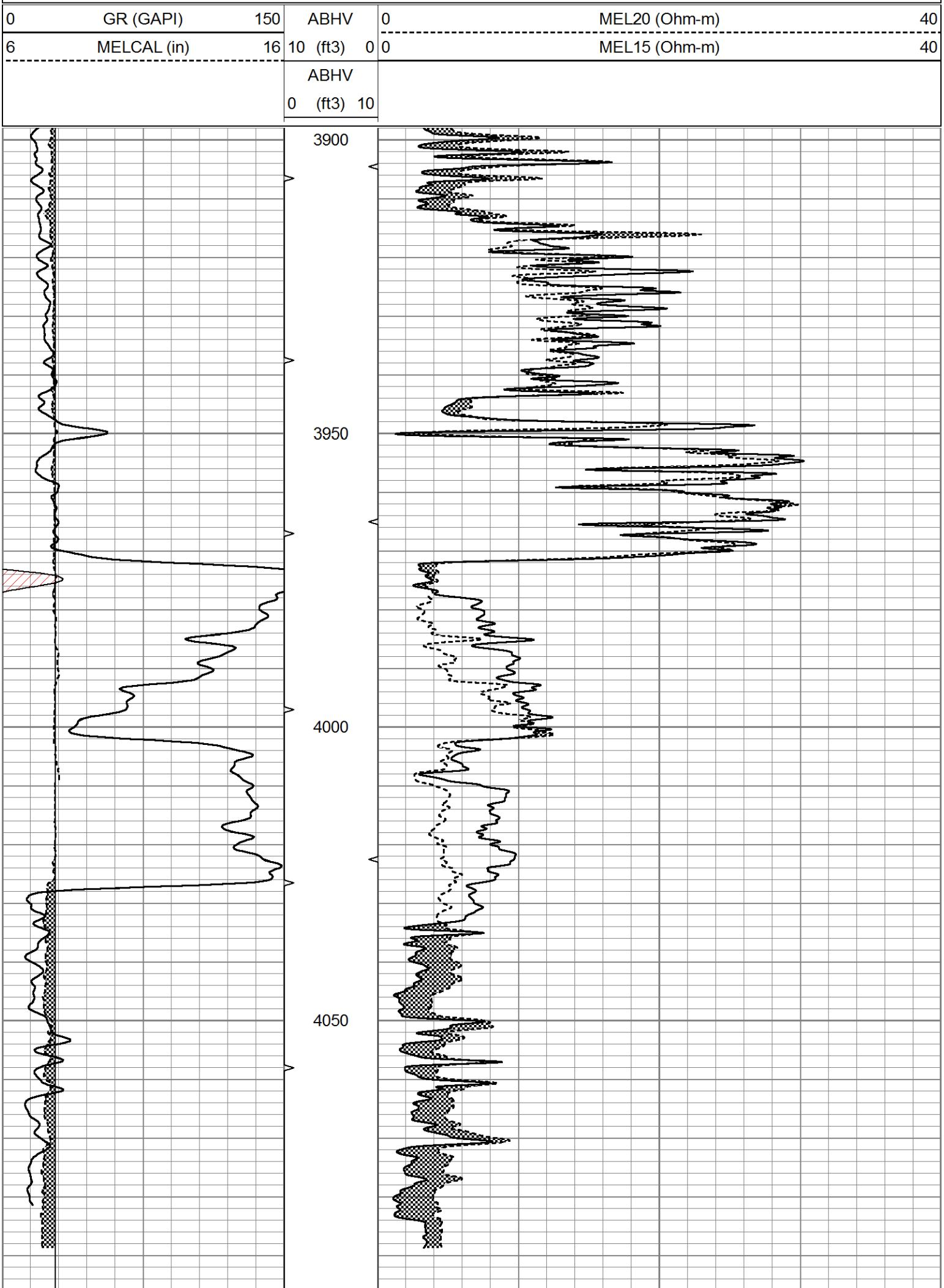

3550
3600
3650
3700


3750
3800
3850
3900



REPEAT SECTION

Database File	6334pe.db
Dataset Pathname	pass12.1R
Presentation Format	micro
Dataset Creation	Sat Apr 23 06:18:21 2022
Charted by	Depth in Feet scaled 1:240


0 GR (GAPI) 150
6 MELCAL (in) 16
ABHV
10 (ft3) 0
ABHV
0 (ft3) 10
0 MEL20 (Ohm-m) 40
0 MEL15 (Ohm-m) 40
3900
3950
4000
4050

			4100				
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 6334pe.db
Dataset Pathname pass13.3
Dataset Creation Sat Apr 23 06:31:25 2022

MICRO Calibration Report

Serial Number: 070912
Tool Model: ProbeN
Performed: Tue Mar 22 21:24:03 2022

Caliper Calibration: Gain=3.404 Offset=0.681

	Low Cal	High Cal
References	8.000	16.000
Readings	2.150	4.500

1.5" Calibration: Gain=32.000 Offset=-1.000

	Low Cal	High Cal
References	0.000	20.000
Readings	0.002	1.239

2" Calibration: Gain=40.000 Offset=1.000

	Low Cal	High Cal
References	0.000	20.000
Readings	0.003	1.075

Gamma Ray Calibration Report

Serial Number: 070558
Tool Model: OPEN_GR
Performed: Sat Apr 23 03:38:55 2022

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.2800 GAPI/cps