

MICRO LOG

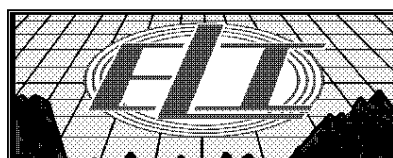
Company	CHIEFTAIN OIL COMPANY, INC.		
Well	PHYE #3		
Field	WHELEN WEST		
County	BARBER	State	KANSAS
Location:	SEC 25 TWP 31S RGE 12W		Other Services CDL/CNL DIL
Permanent Datum	GROUND LEVEL	Elevation	1586
Log Measured From	KELLY BUSHING 12' A.G.L.	K.B. 1598 D.F. 1596 G.L. 1586	
Drilling Measured From	KELLY BUSHING		
Date	6/21/18		
Run Number	TWO		
Depth Driller	4675		
Depth Logger	4675		
Bottom Logged Interval	4673		
Top Log Interval	3200		
Casing Driller	8 5/8"@396'		
Casing Logger	396		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,000 PPM	
Density / Viscosity	9.5/66		
pH / Fluid Loss	11.0/9.6		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.600@90F		
Rinf @ Meas. Temp	.450@90F		
Rmc @ Meas. Temp	.720@90F		
Source of Rinf / Rmc	MEASUREMENT		
Rim @ BHT	.443@122F		
Time Circulation Stopped	4.5 HOURS		
Time Logger on Bottom	3:45 P.M.		
Maximum Recorded Temperature	122F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	ROGER MARTIN	RYAN MOLZ	

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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

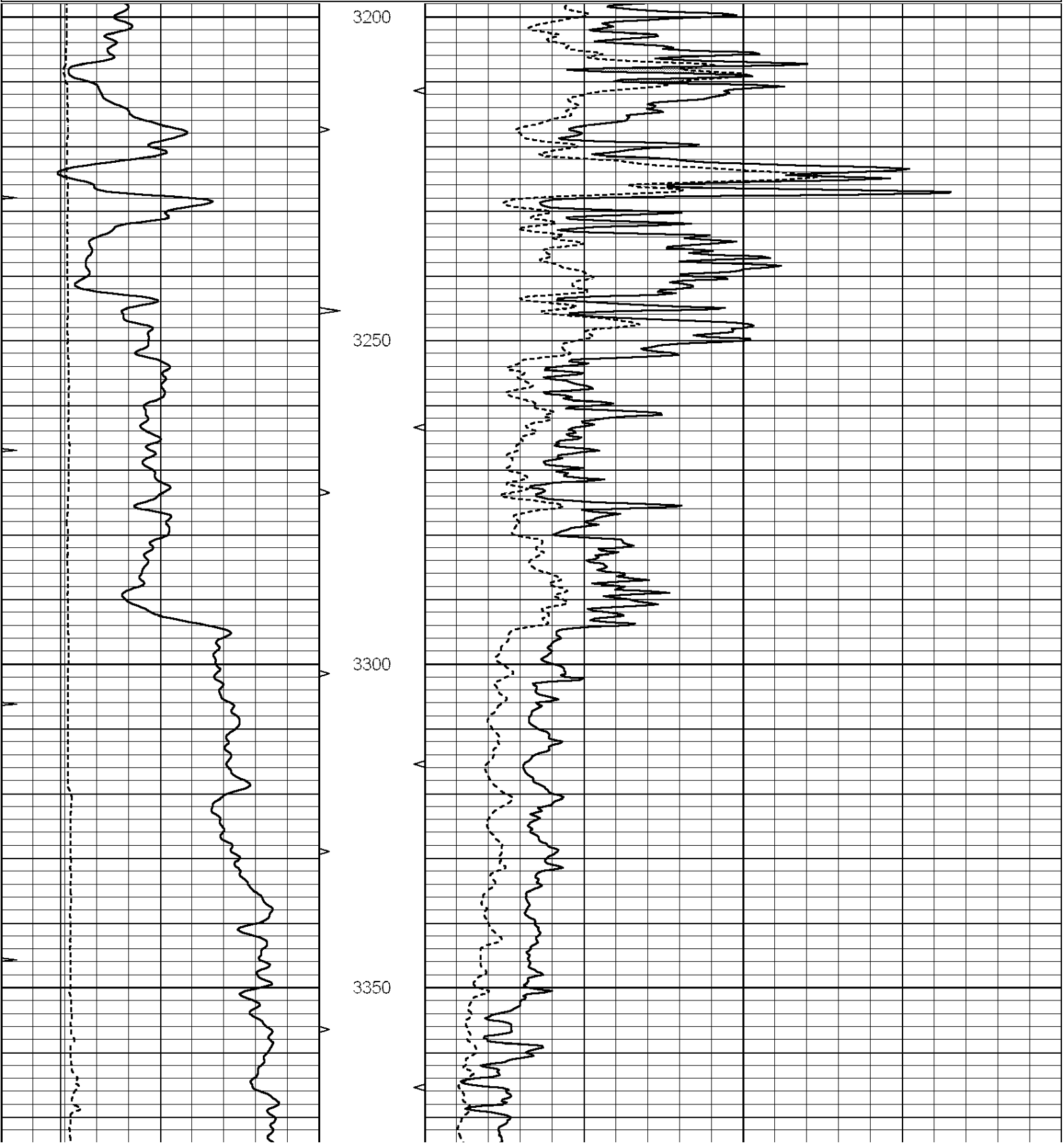
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
MEDICINE LODGE, KS., N. ON HWY 183 TO "WELL RD.", 1E. TO CURVE, 3/4S., E. INTO AT BLUE GATE

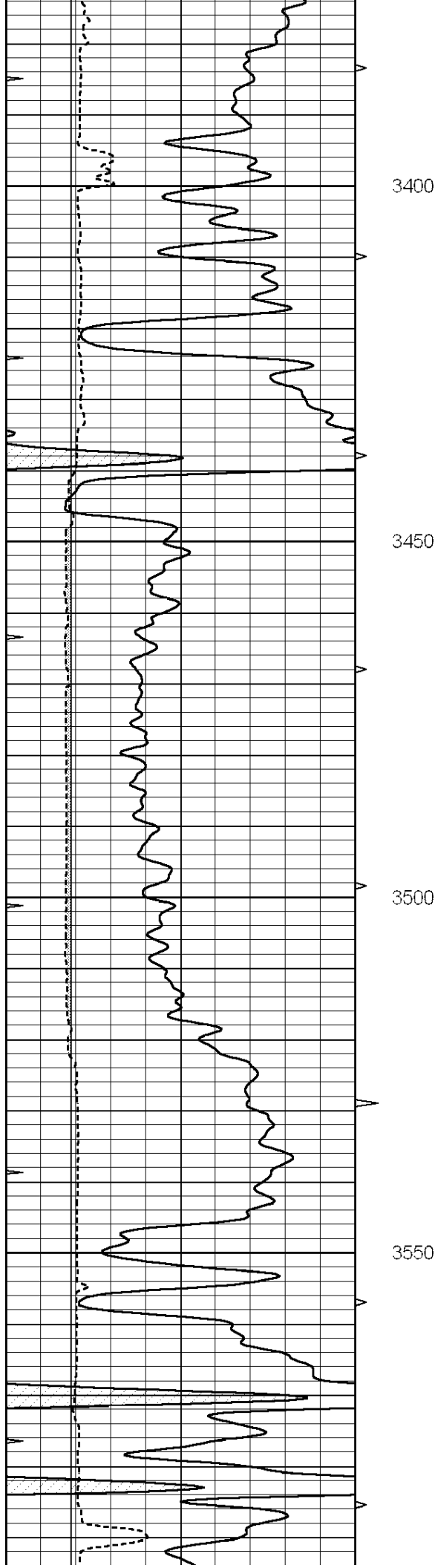


MAIN SECTION

Database File: 2655ddn.db
Dataset Pathname: pass6.1
Presentation Format: micro
Dataset Creation: Thu Jun 21 16:34:49 2018 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 0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



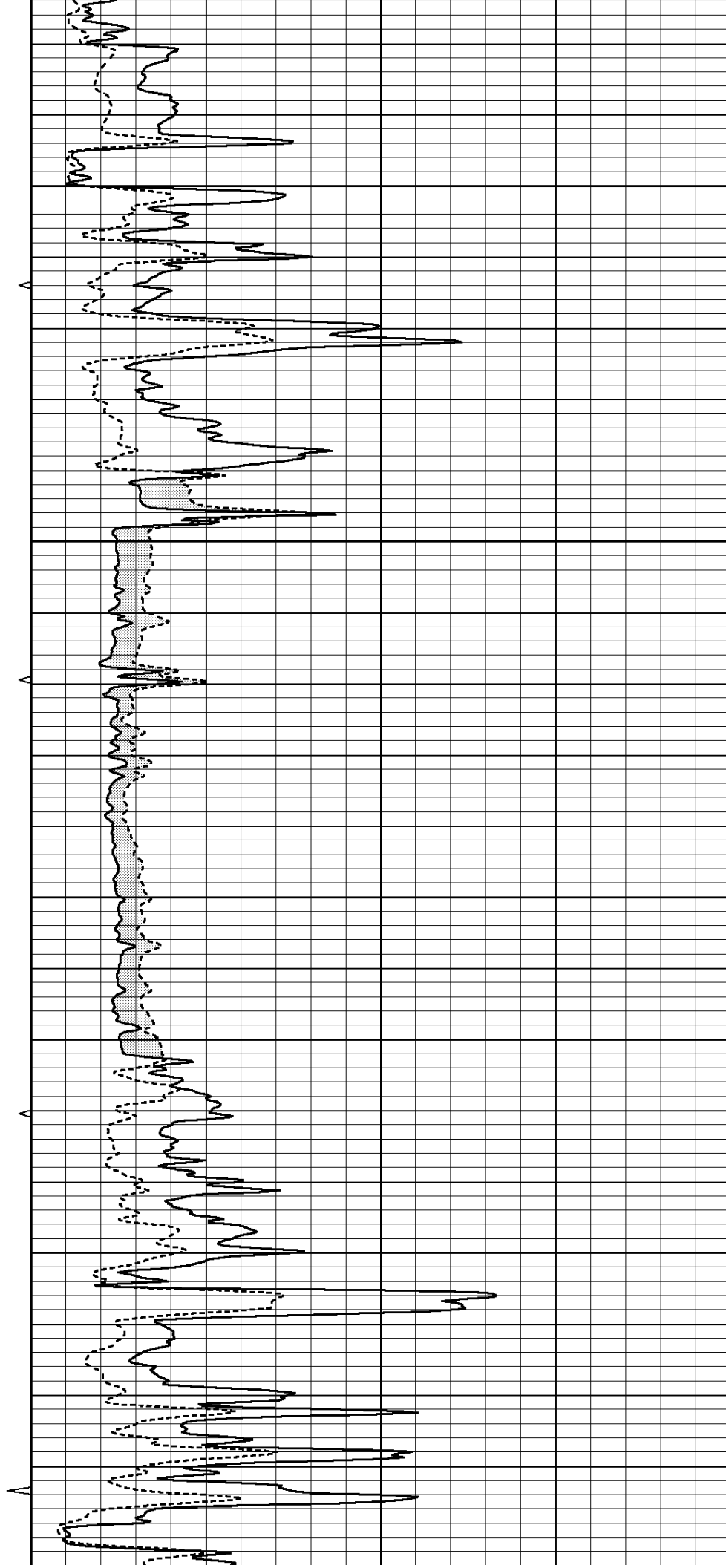


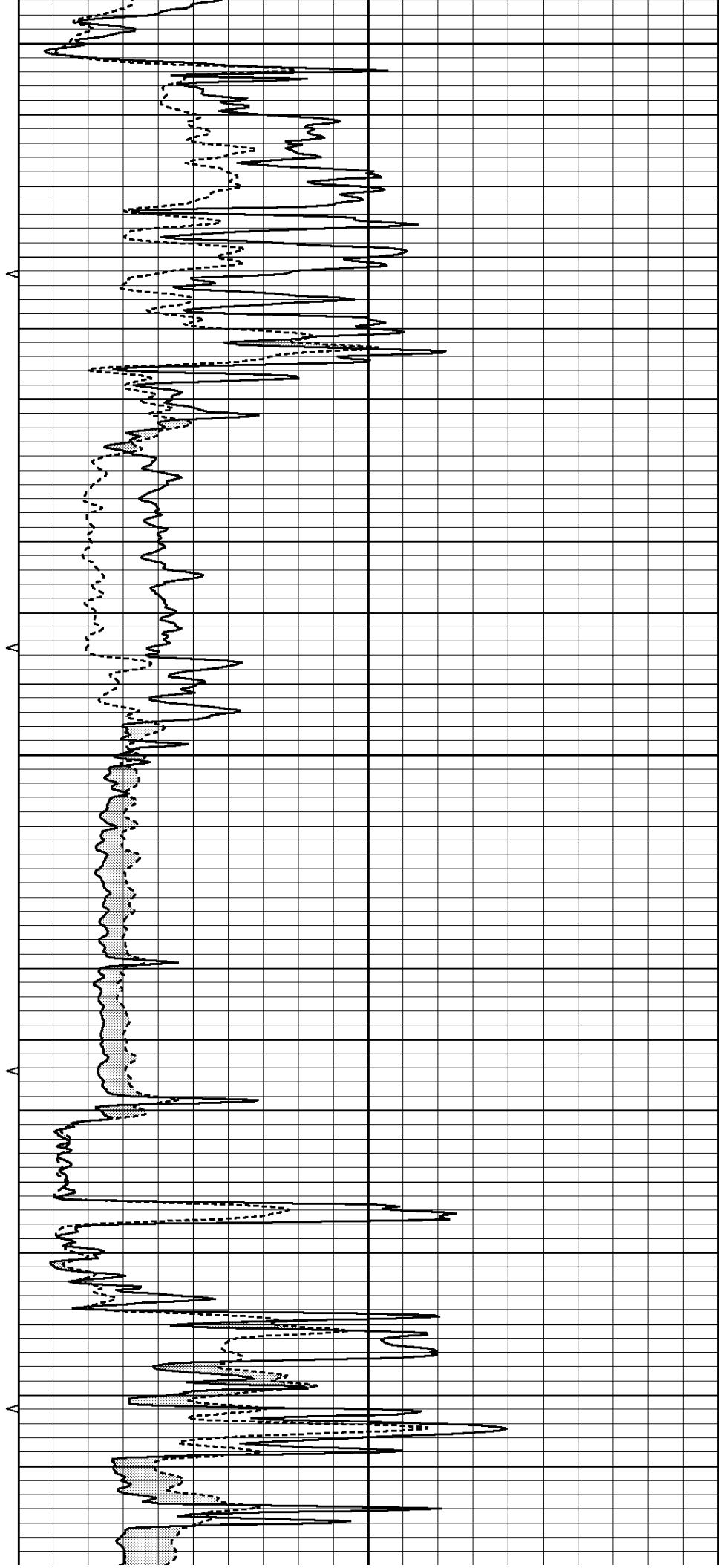
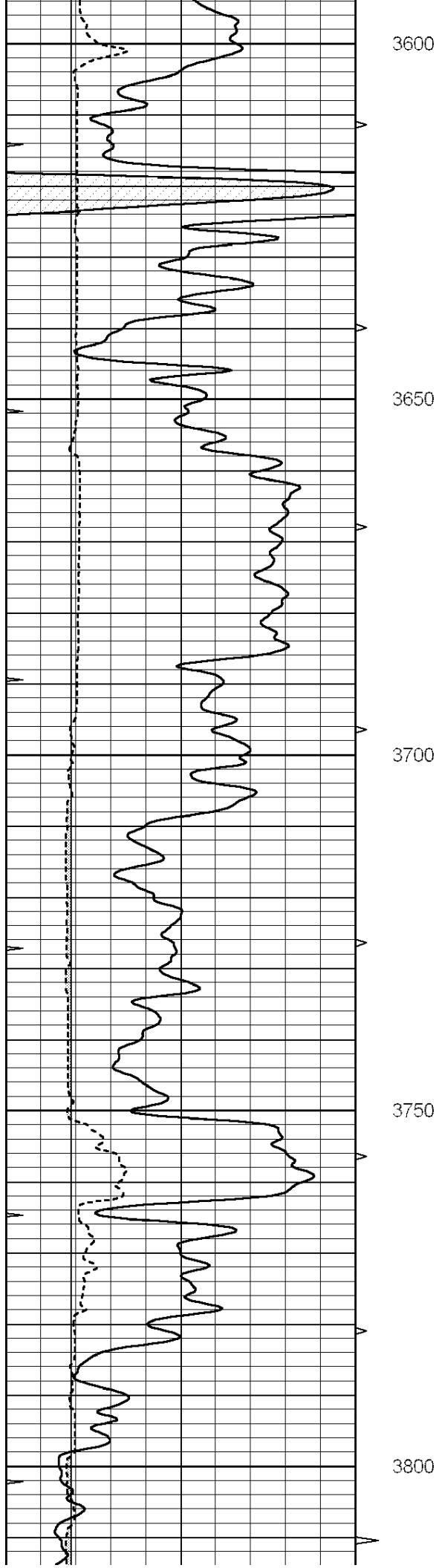
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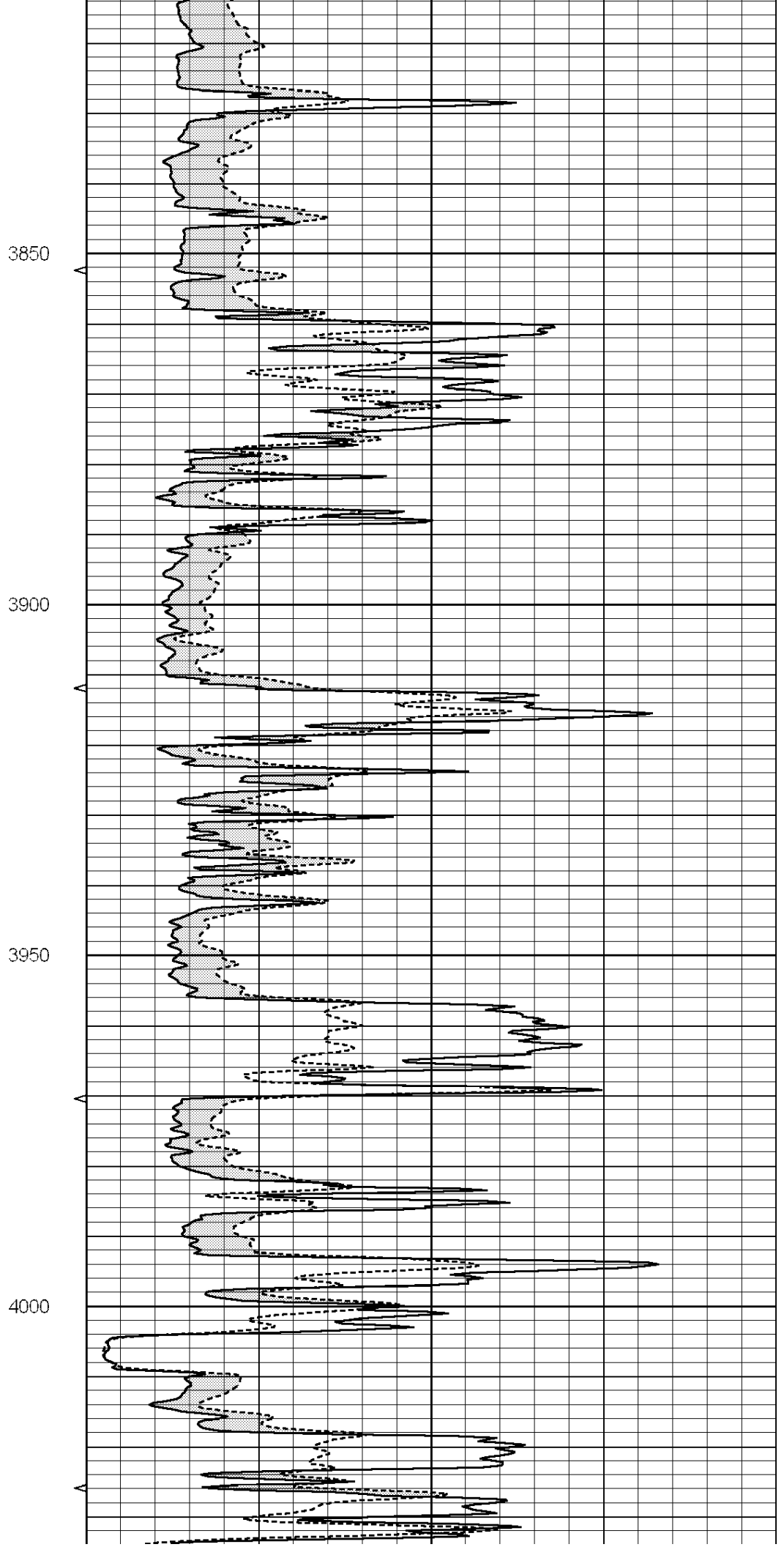
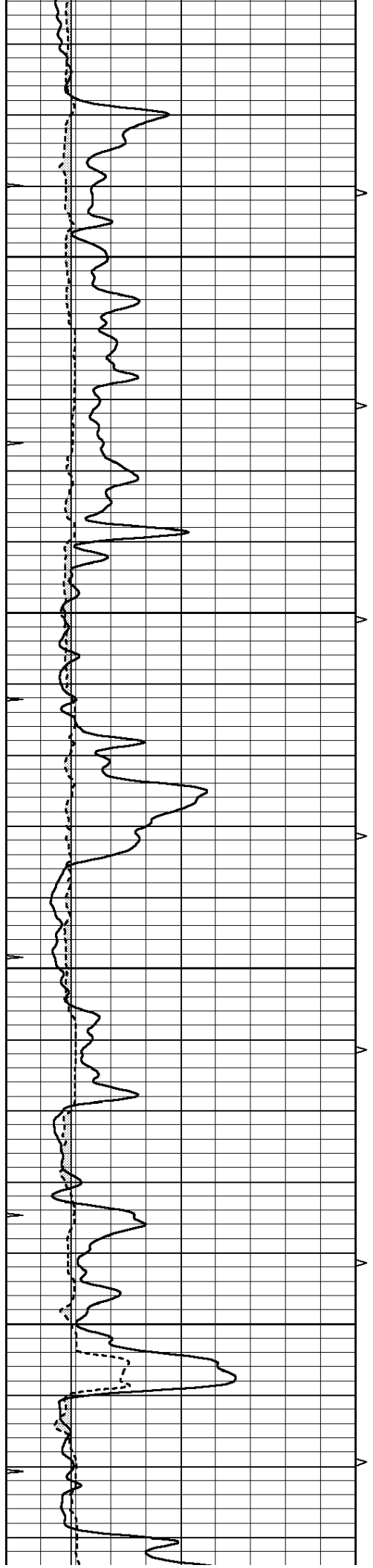
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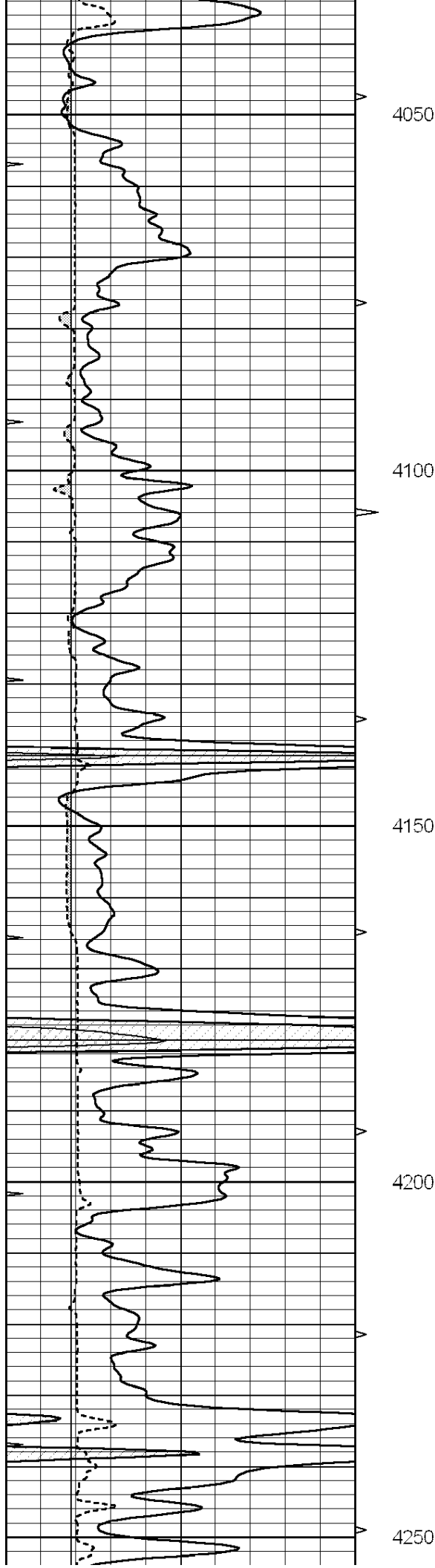
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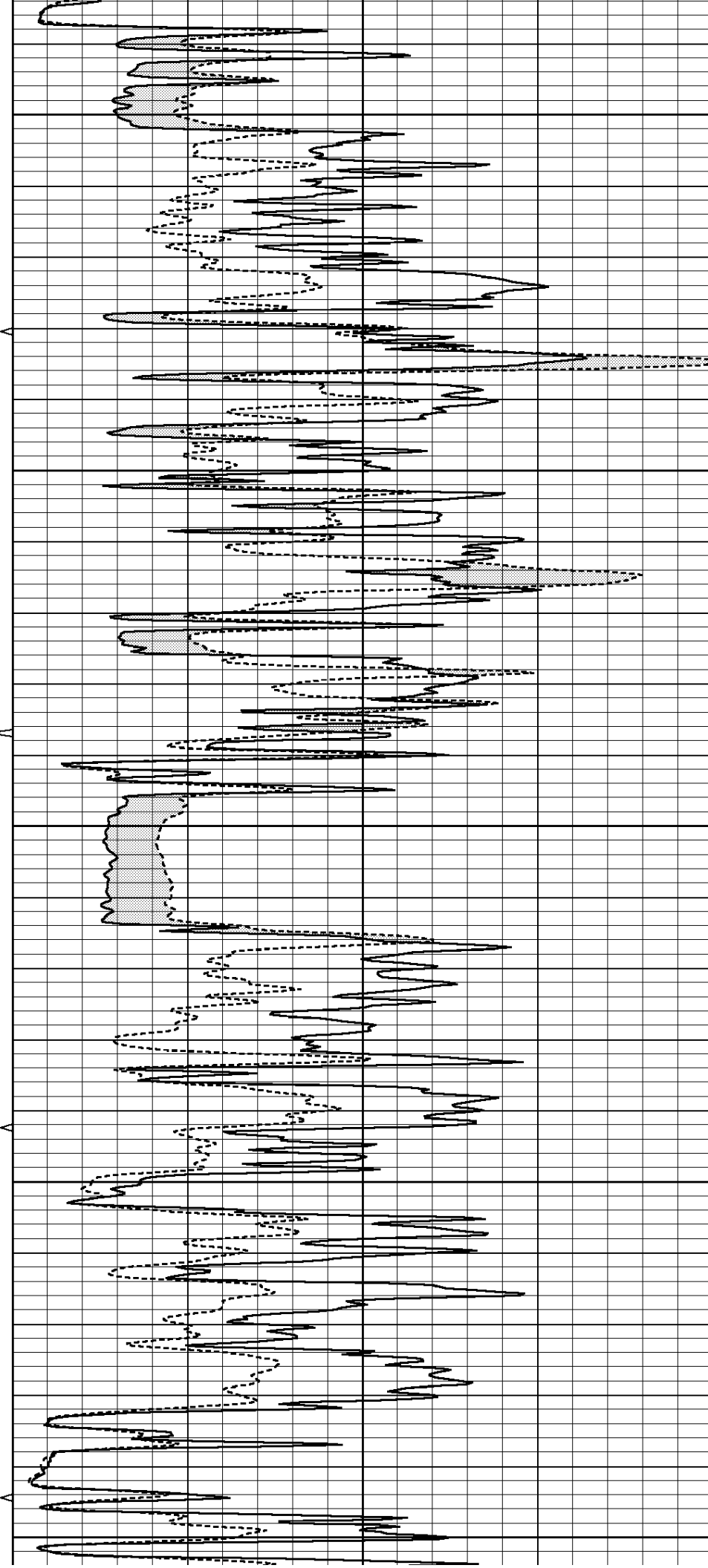
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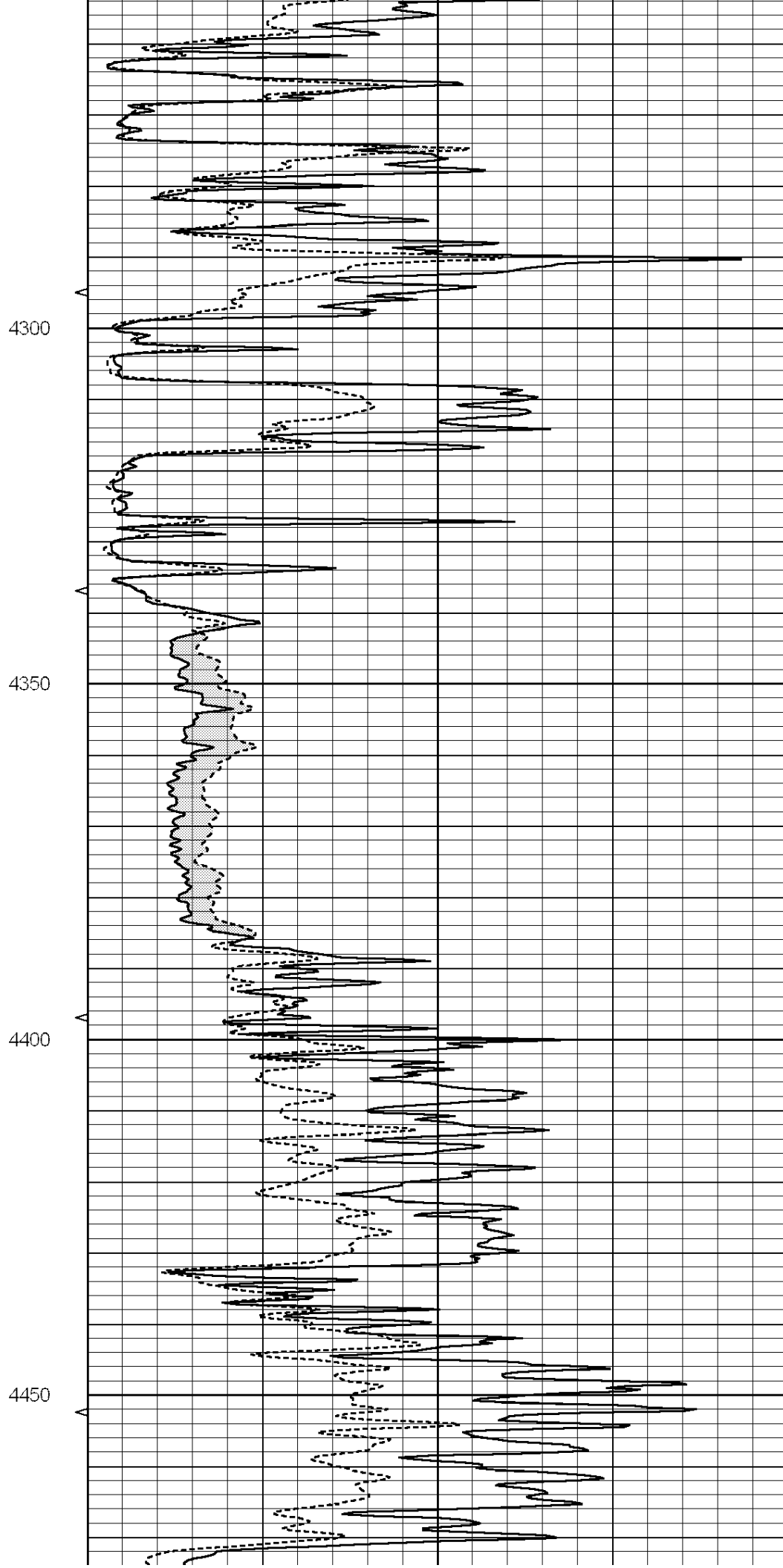
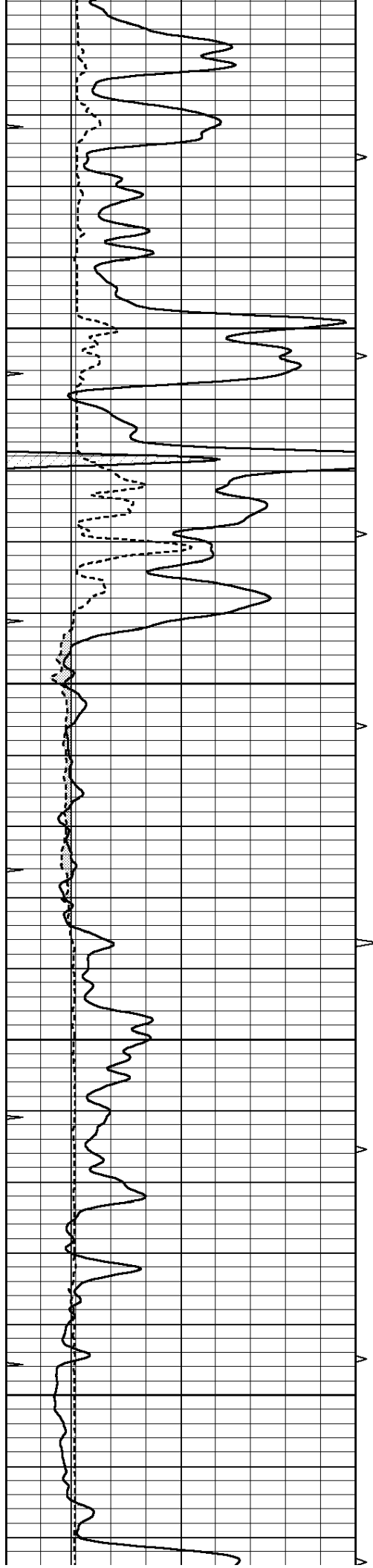
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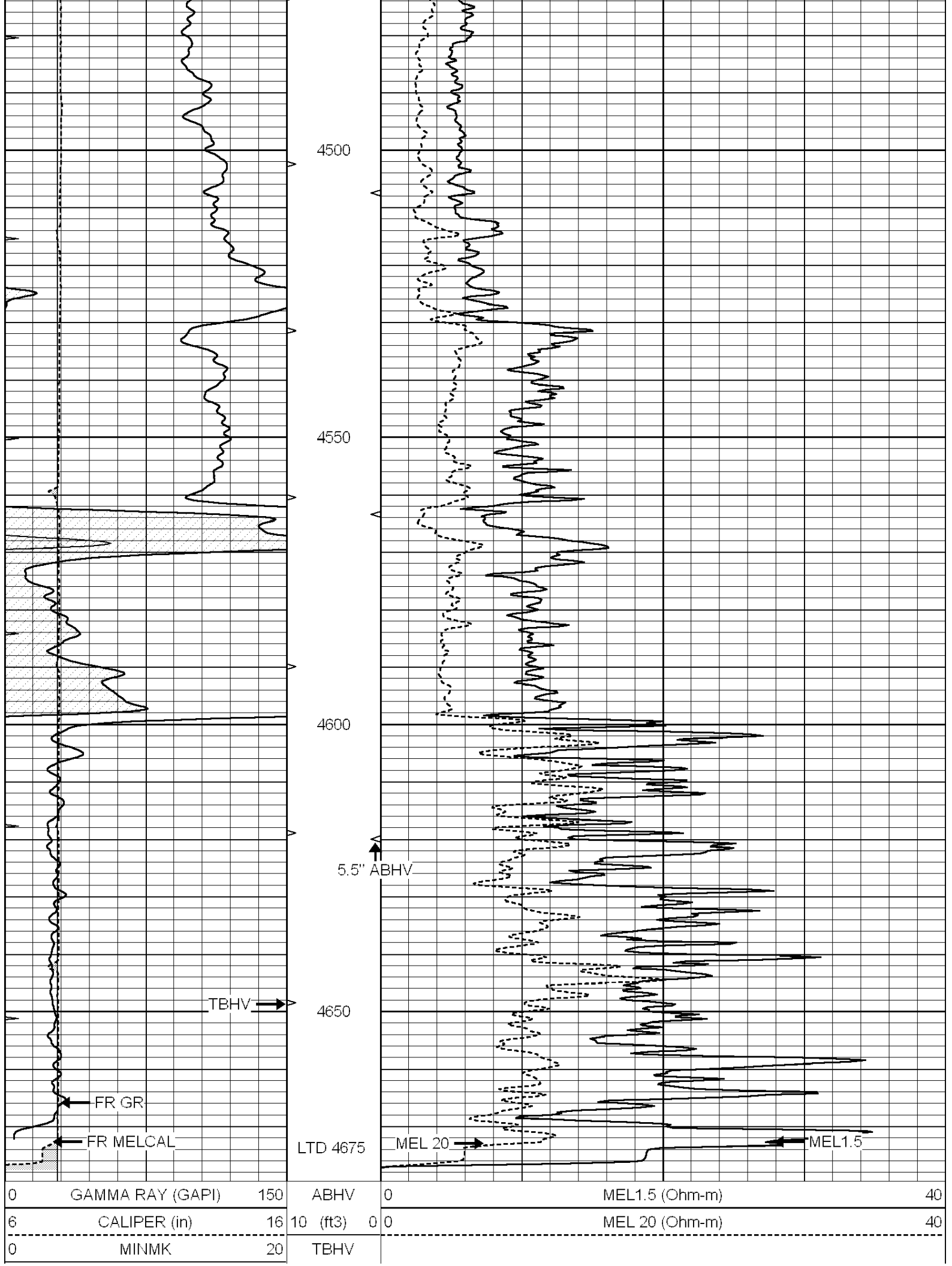
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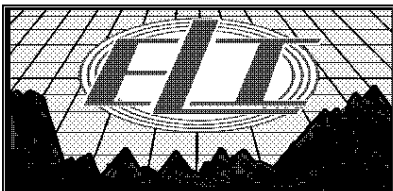
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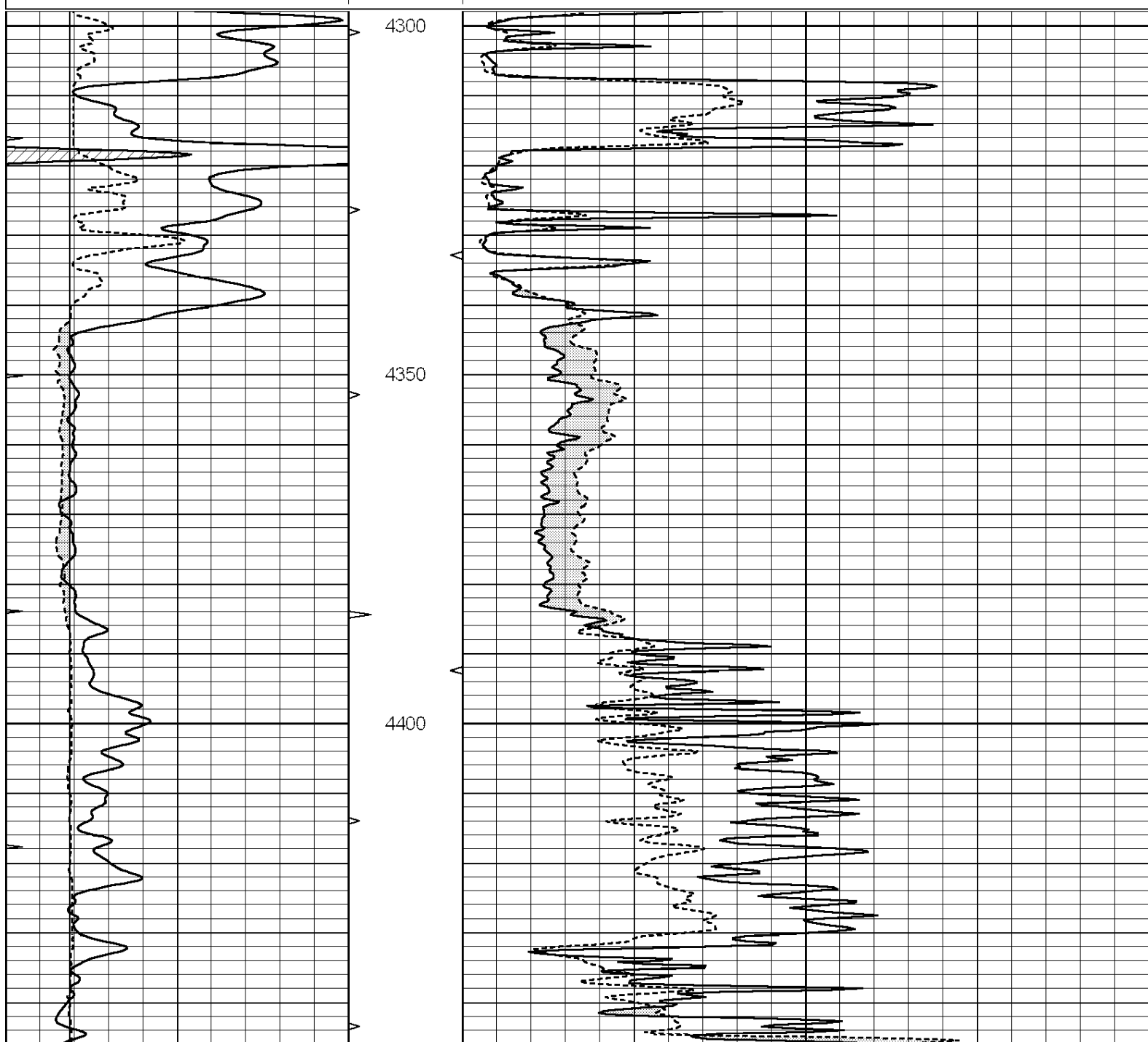


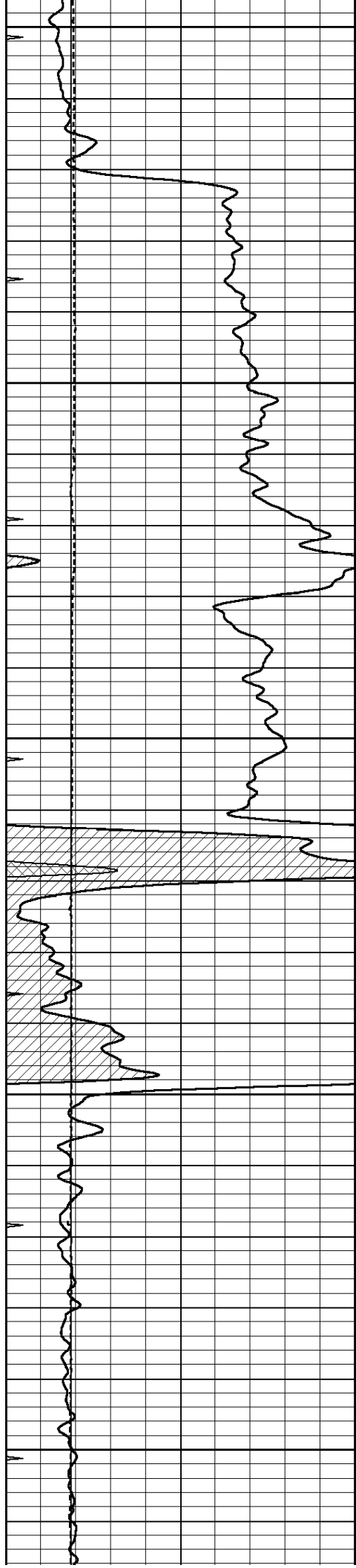


REPEAT SECTION

Database File: 2655ddn.db
Dataset Pathname: pass5.4
Presentation Format: micro
Dataset Creation: Thu Jun 21 16:14:15 2018
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		





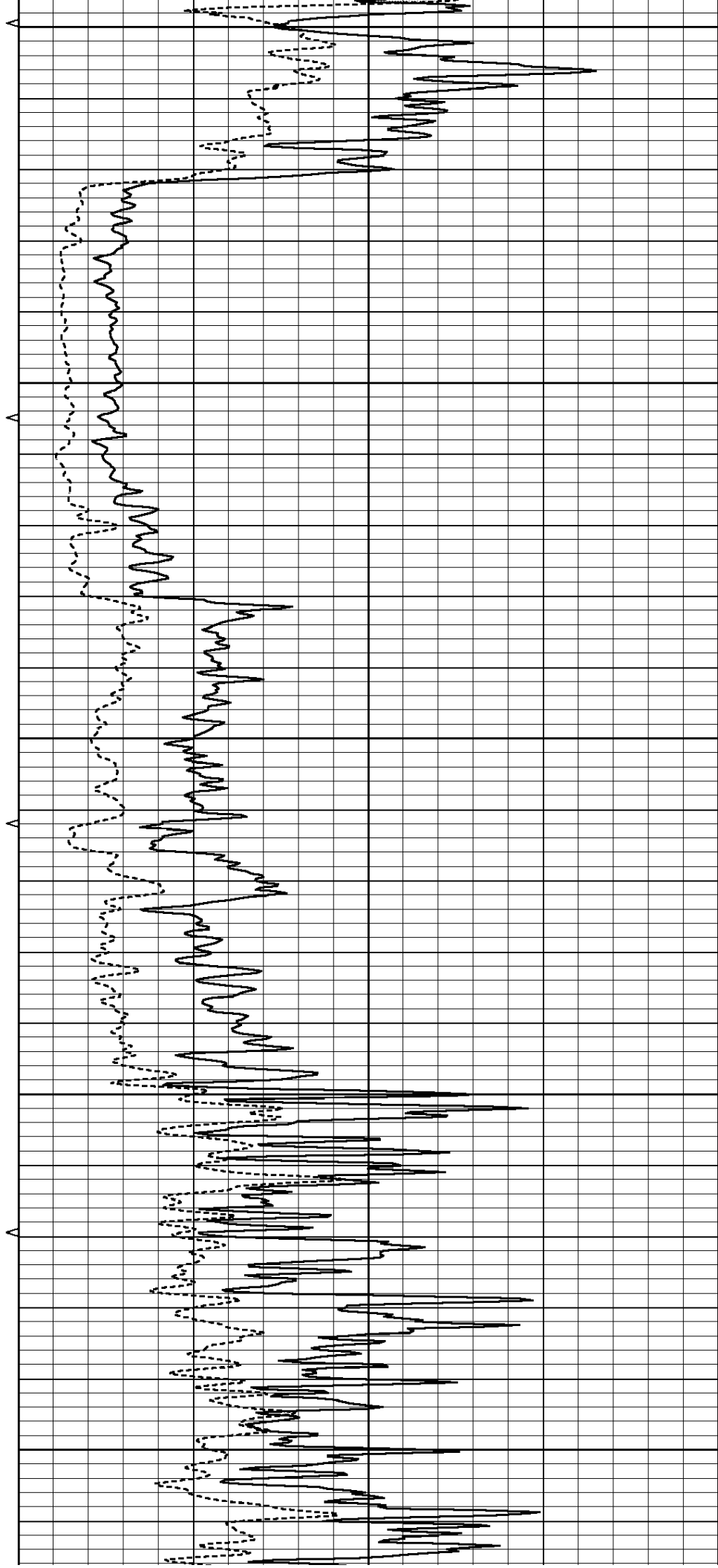
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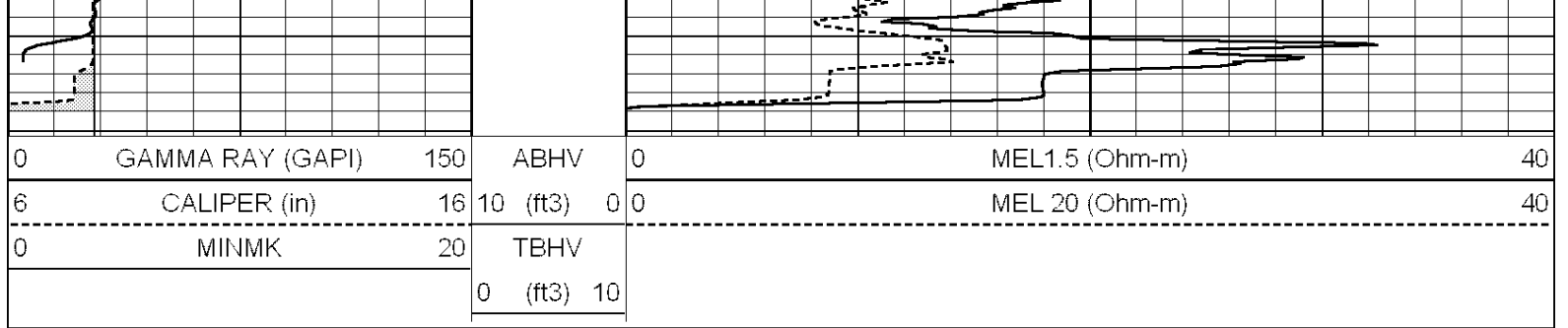
4500

4550

4600

4650





Calibration Report			
Database File:	2655ddn.db		
Dataset Pathname:	pass6.1		
Dataset Creation:	Thu Jun 21 16:34:49 2018 by Calc SOC 120430		
MICRO Calibration Report			
Serial Number:	070912		
Tool Model:	ProbeN		
Performed:	Sat Jun 16 01:24:31 2018		
Caliper Calibration:	Gain=3.822	Offset=0.646	
	Low Cal	High Cal	
References	8.100	18.000	
Readings	1.950	4.540	
1.5" Calibration:	Gain=35.000	Offset=-0.400	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.002	1.239	
2" Calibration:	Gain=50.000	Offset=-0.700	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.003	1.075	
Gamma Ray Calibration Report			
Serial Number:	070559		
Tool Model:	OPEN_GR		
Performed:	Thu Jun 21 16:06:28 2018		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.2400	GAPI/cps	