



MICRO LOG

Company		RANEY OIL COMPANY, LLC.	
Well		JONES #1A	
Field		CABIN VALLEY	
County		COWLEY	
State		KANSAS	
Location:		APL # : 15-035-24715-0000 1000' FSL & 1940' FEL NW - NE - SW - SE	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 8' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 31 TWP 33S RGE 6E		Elevation K.B. 1221 D.F. 1219 G.L. 1213	
Date	1/22/20		
Run Number	TWO		
Depth Driller	3457		
Depth Logger	3454		
Bottom Logged Interval	3438		
Top Log Interval	1700		
Casing Driller	8 5/8"@305'		
Casing Logger	305		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1,600 PPM	
Density / Viscosity	9.5/55		
pH / Fluid Loss	10.0/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.60@80F		
Rmf @ Meas. Temp	1.20@80F		
Rmc @ Meas. Temp	1.92@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	1.15@111F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	5:30 P.M.		
Maximum Recorded Temperature	111 F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	ROGER MARTIN		

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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

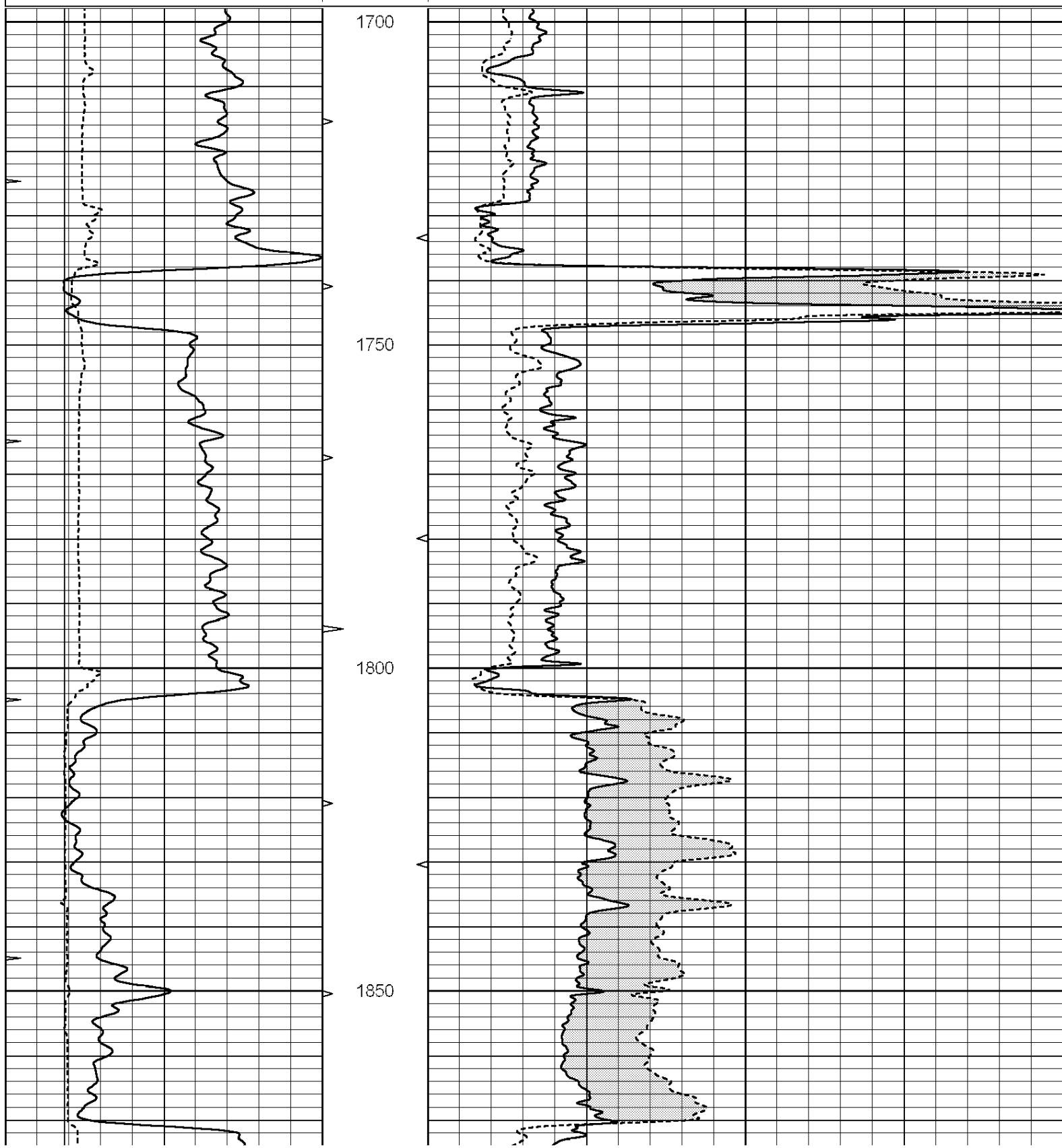
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
WINFIELD, KS., E. ON 160 TO "CR 1", SOUTH TO "CR 20", 3E. TO "RD. 181", 3S. CURVE EAST 1 MILE TO 3RD GATE

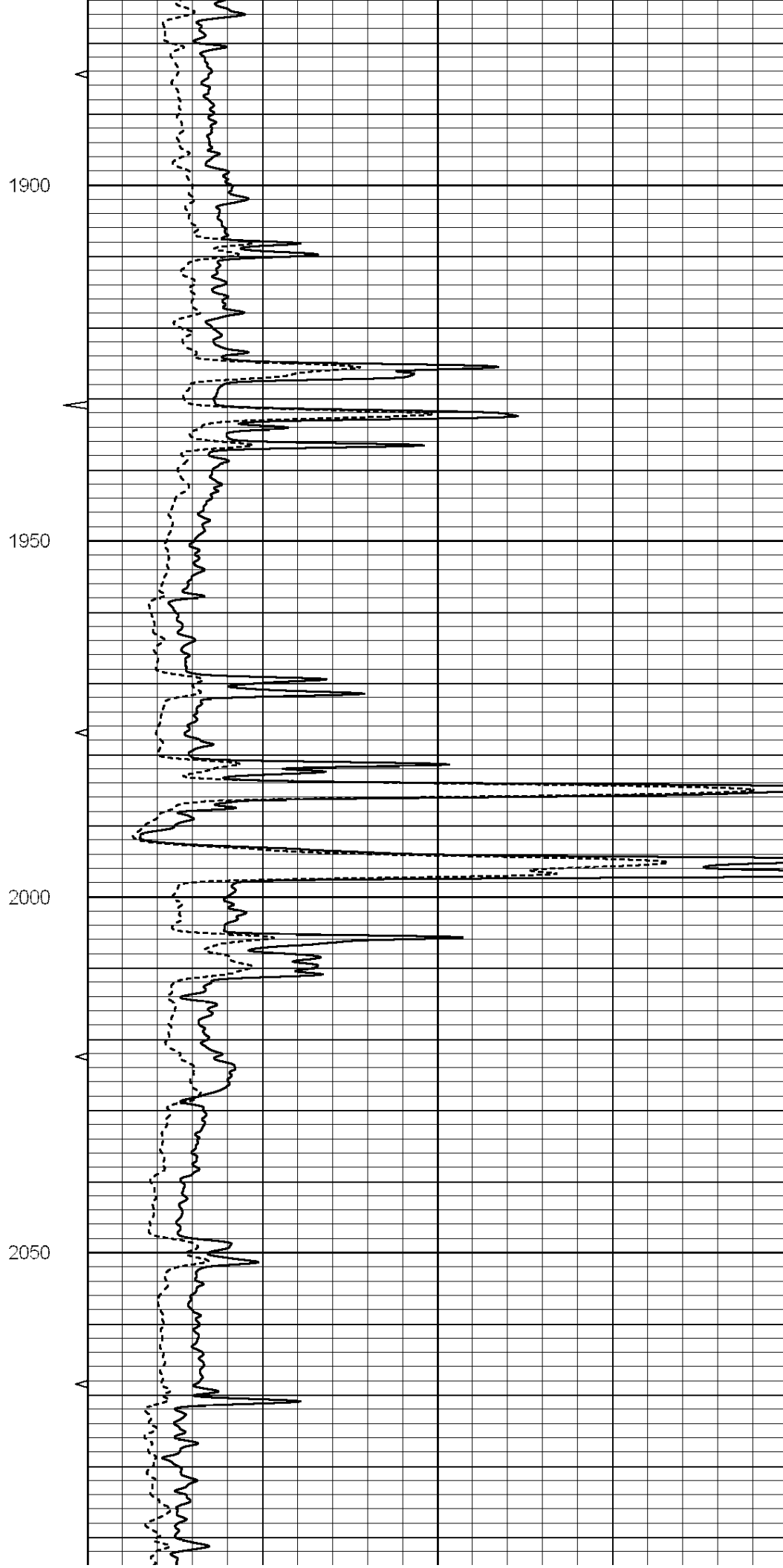
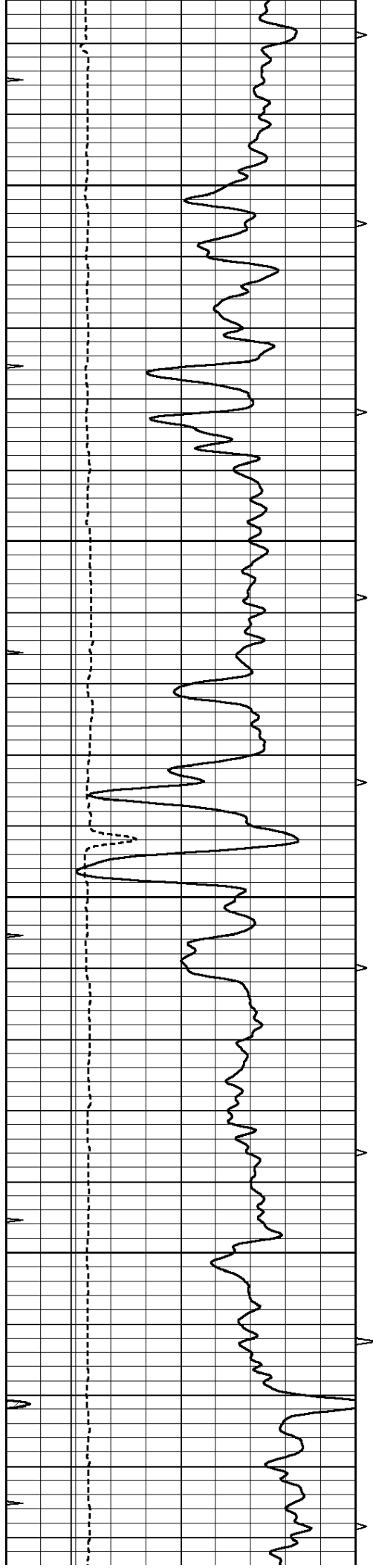


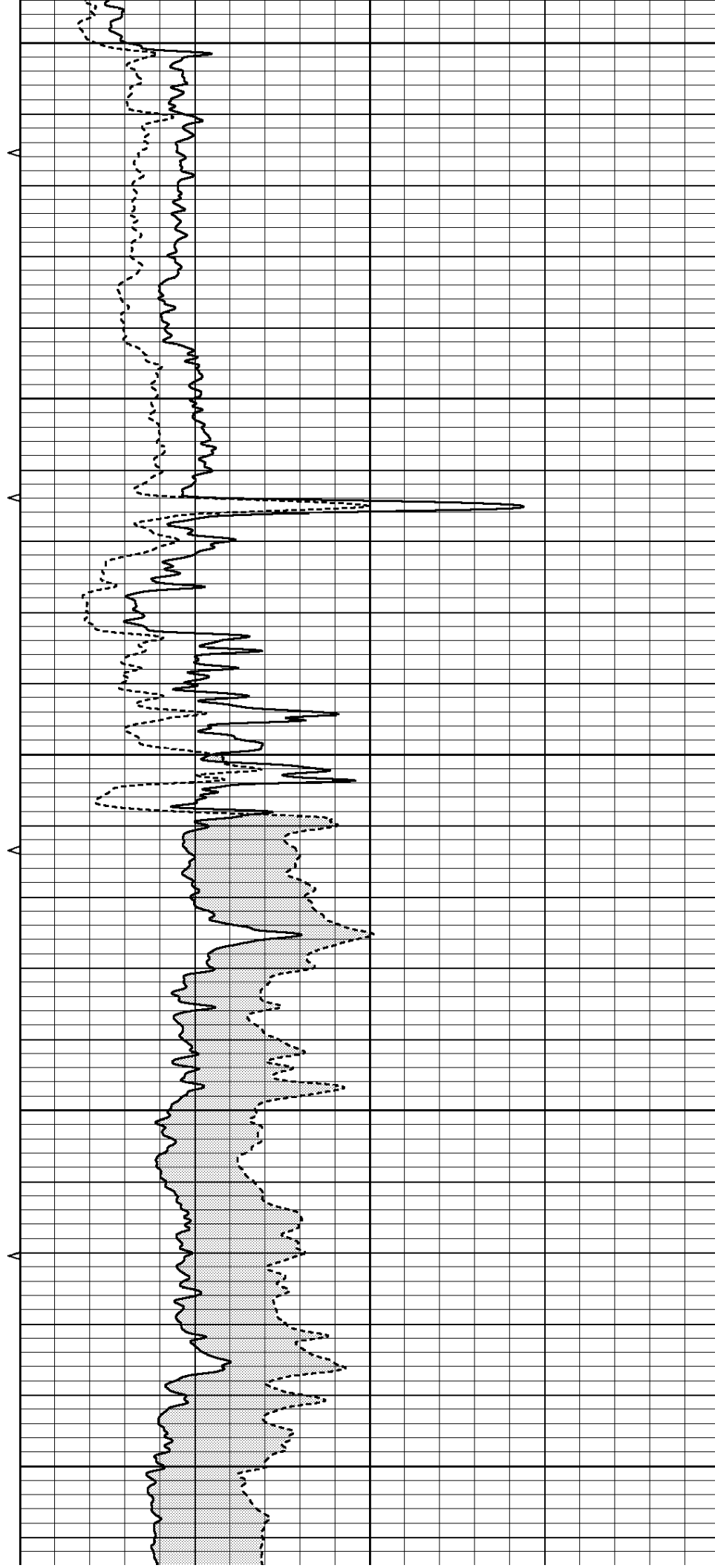
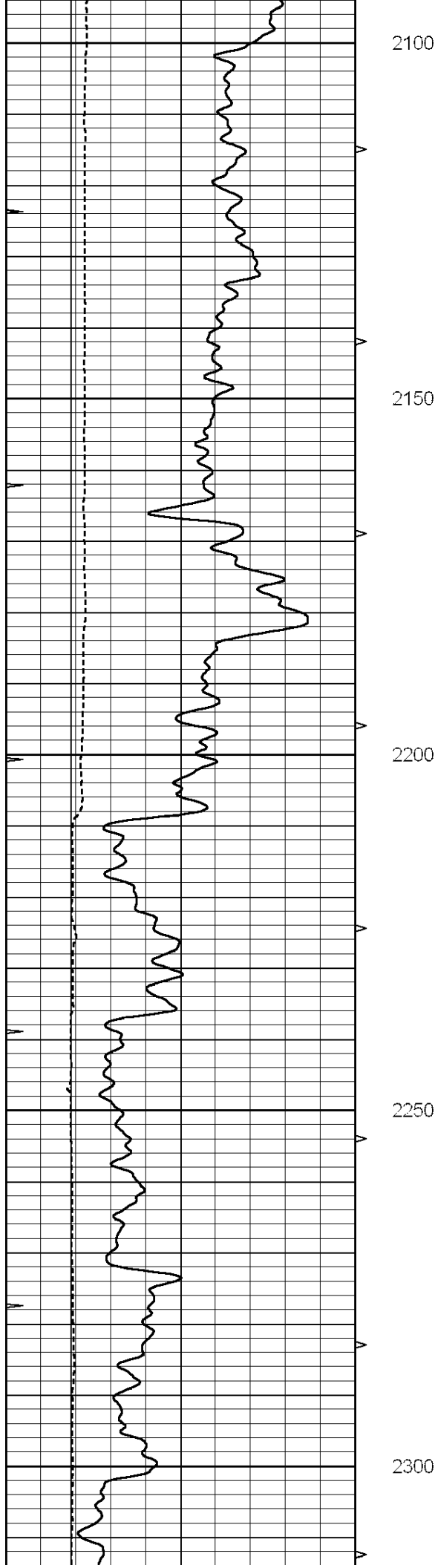
MAIN SECTION

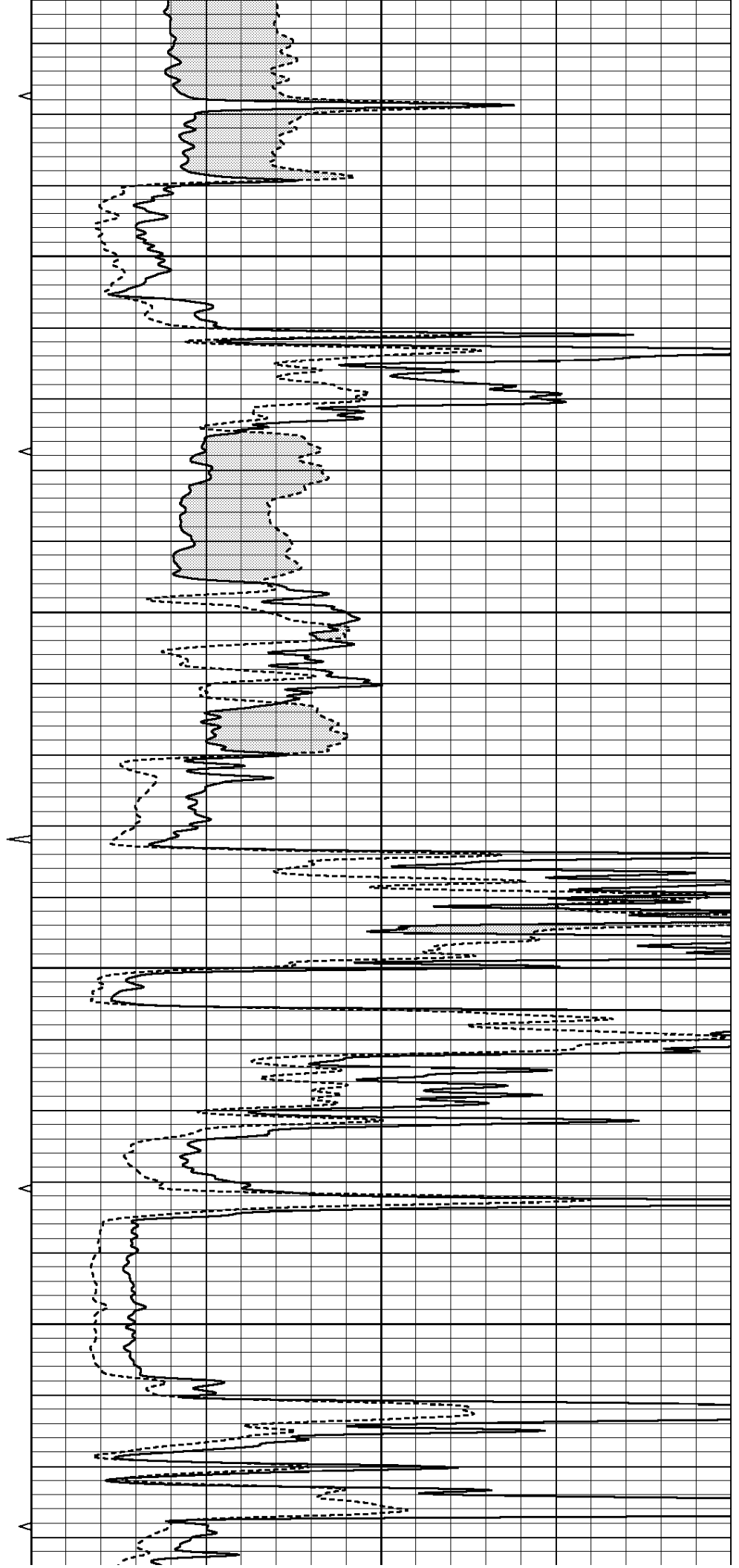
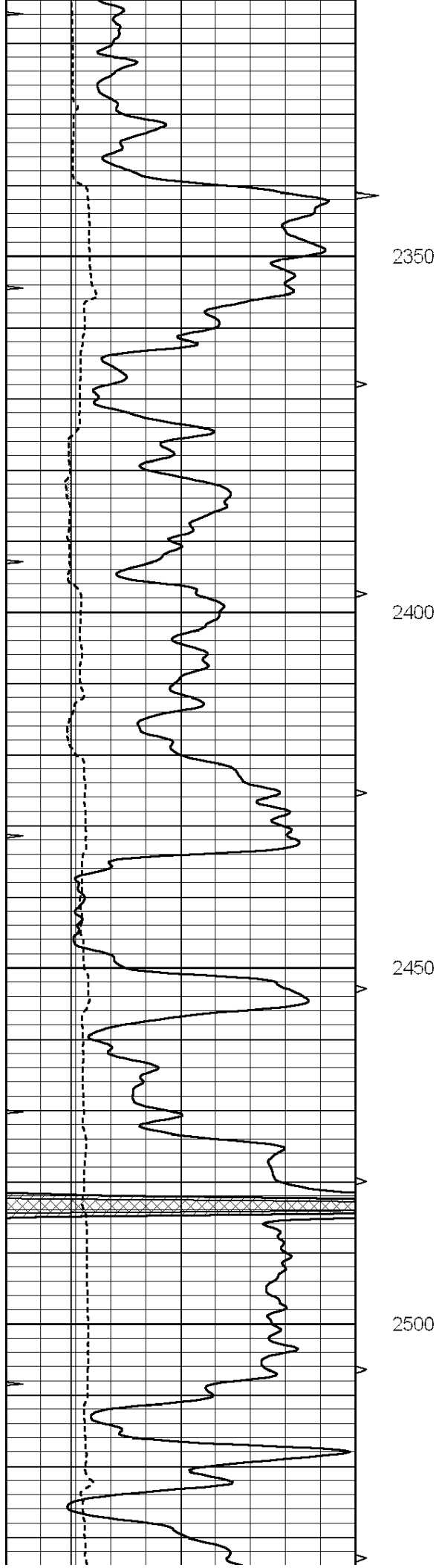
Database File: 4526pe.db
 Dataset Pathname: pass6.3
 Presentation Format: micro
 Dataset Creation: Wed Jan 22 18:28:57 2020 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

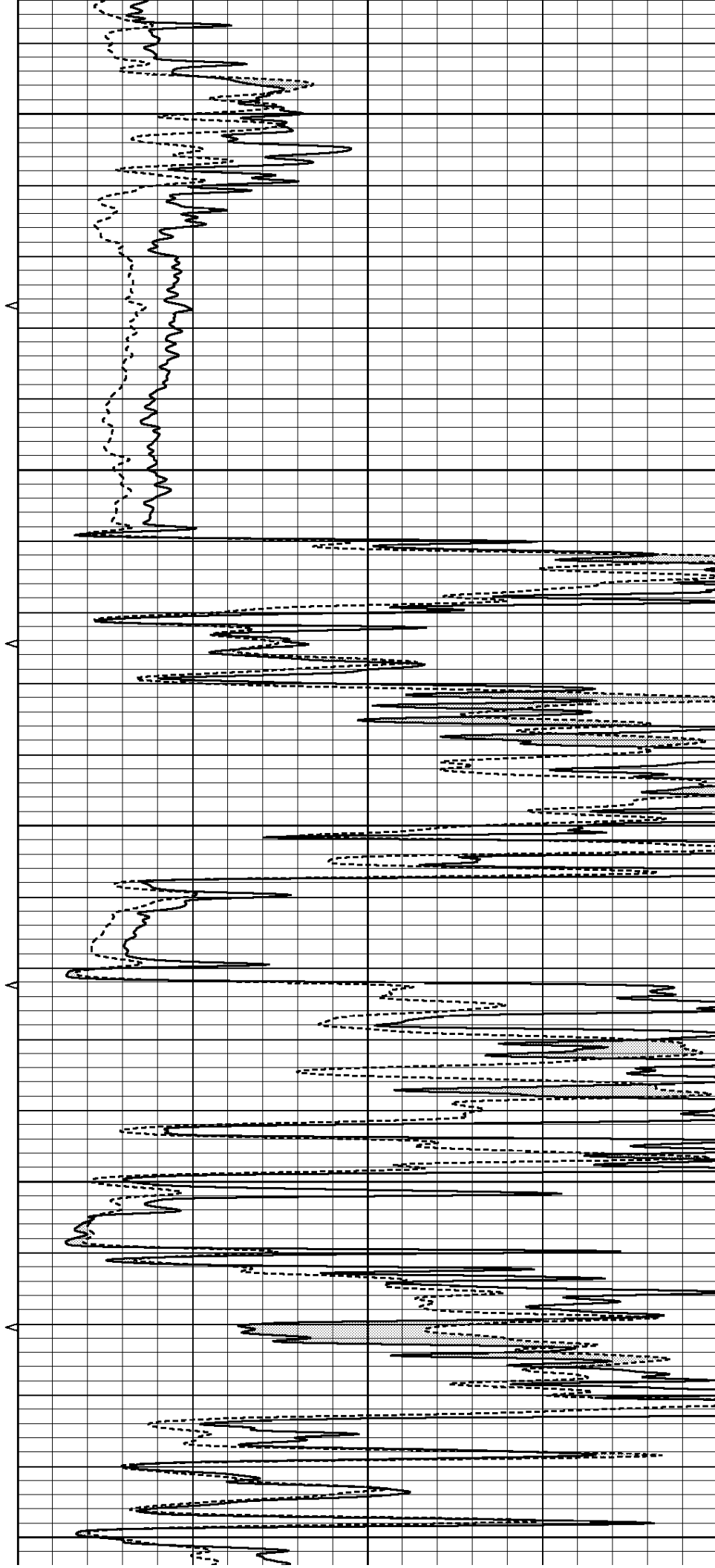
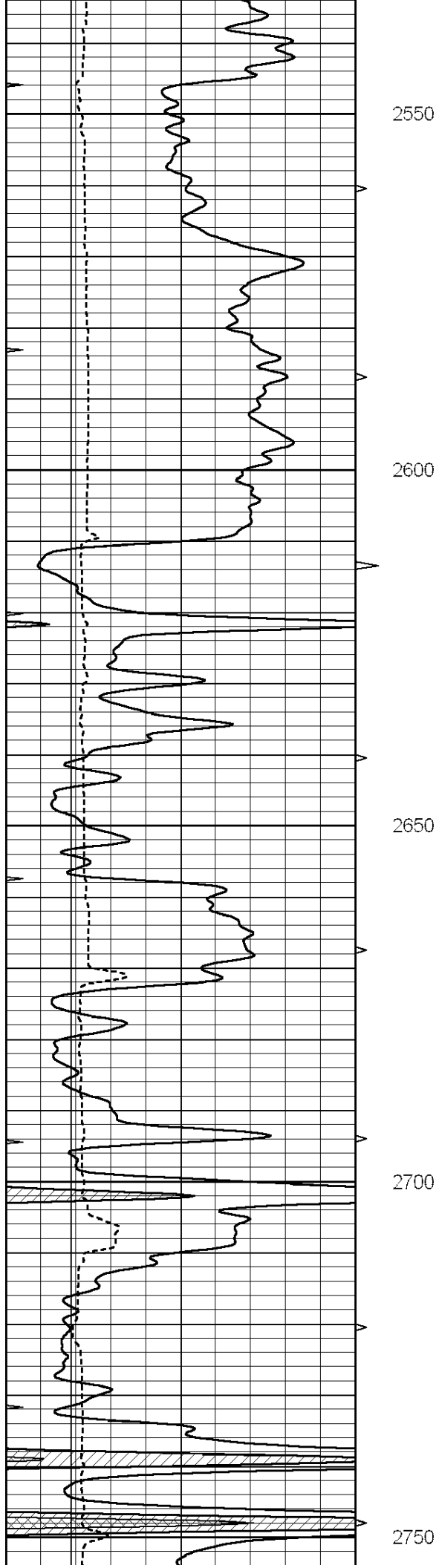
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		

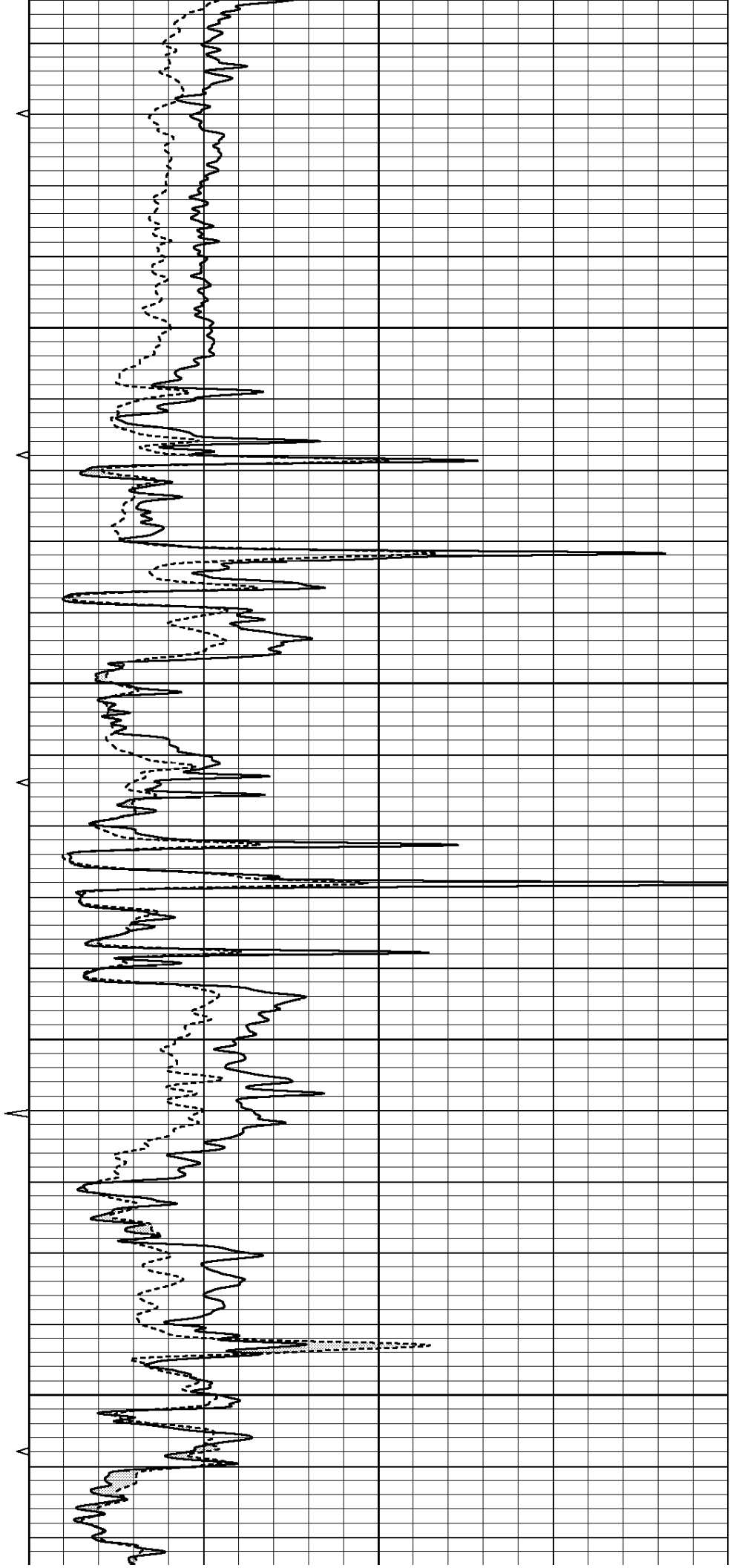
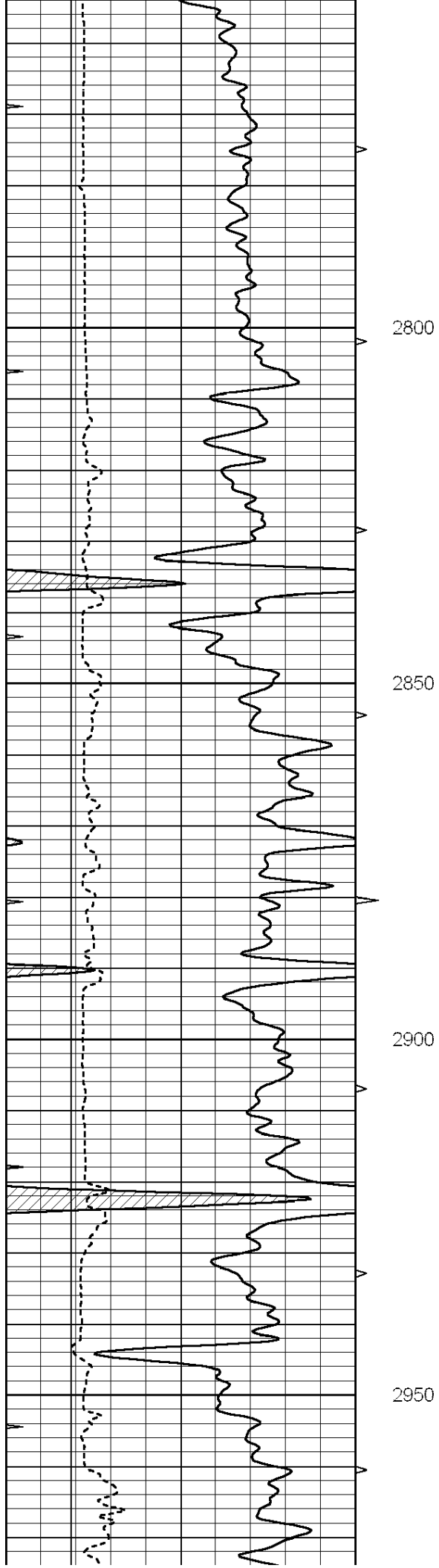


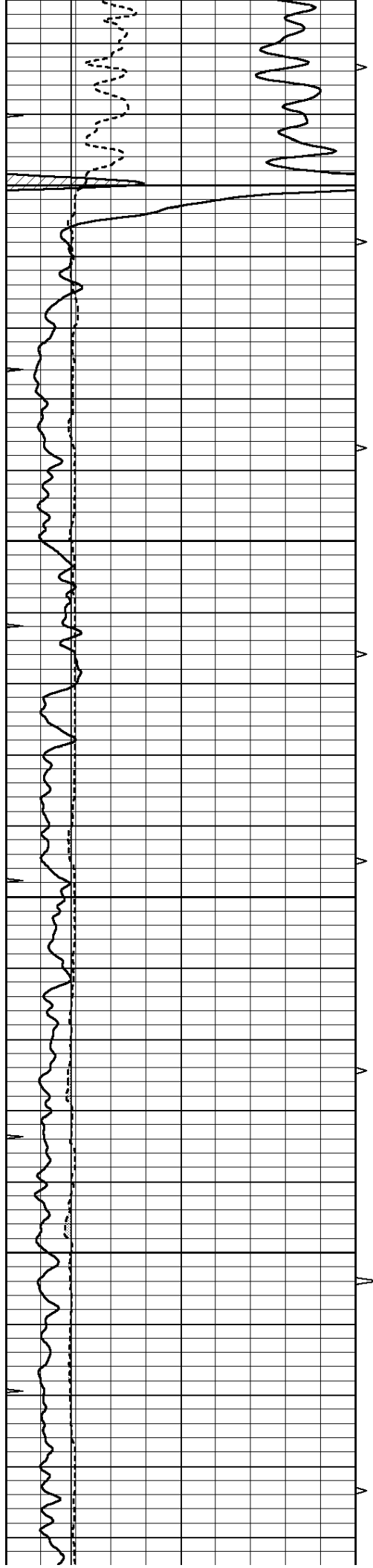










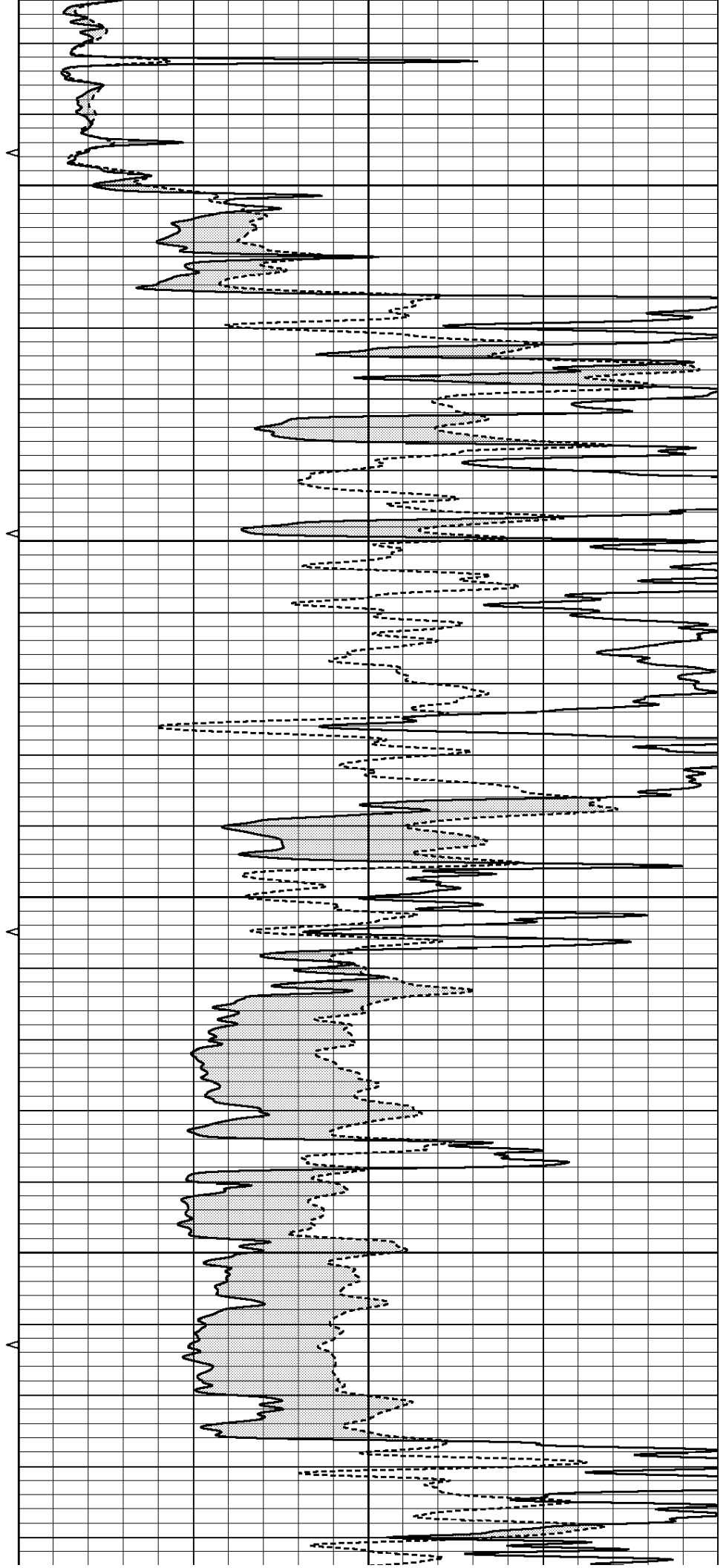


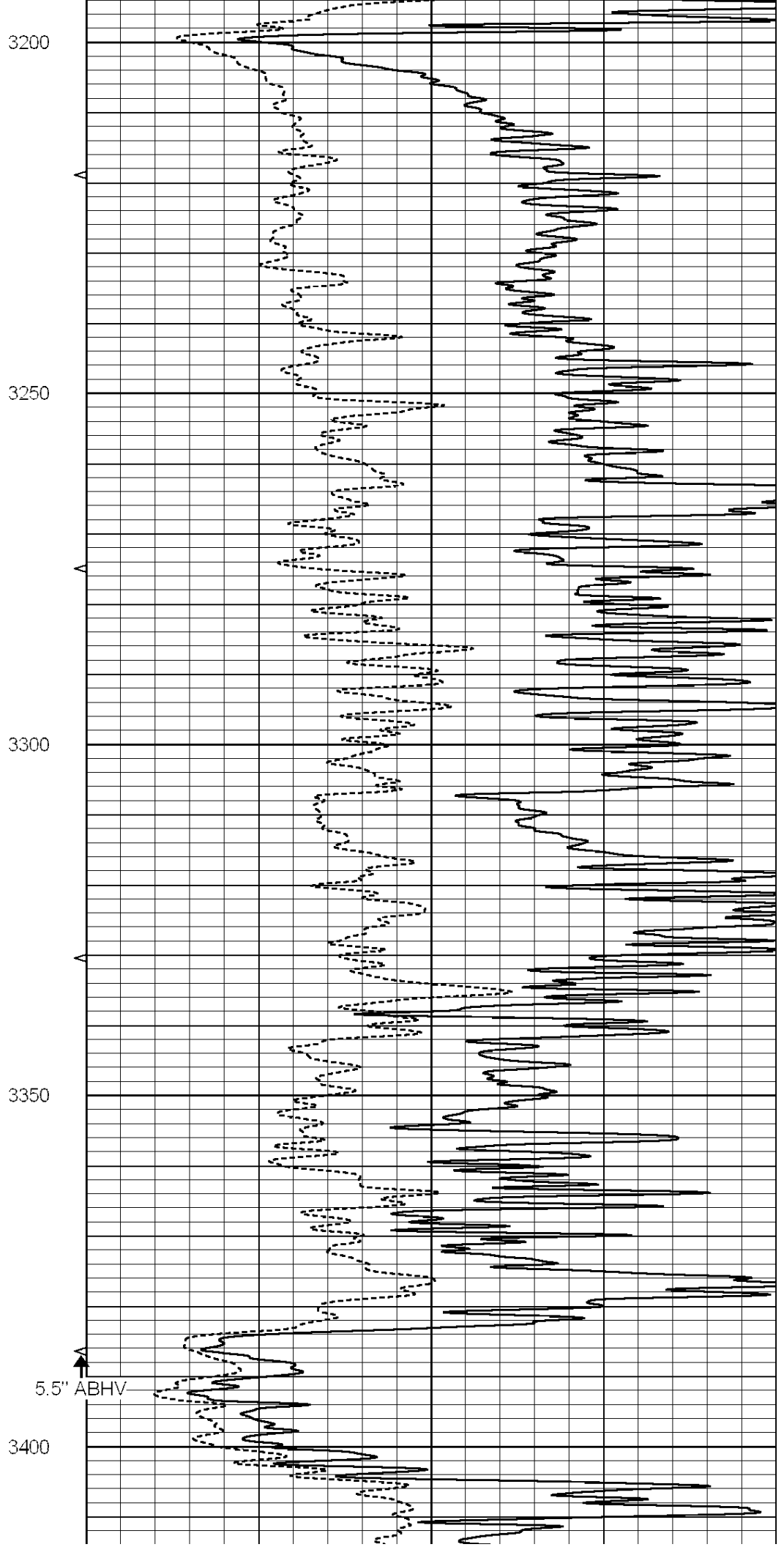
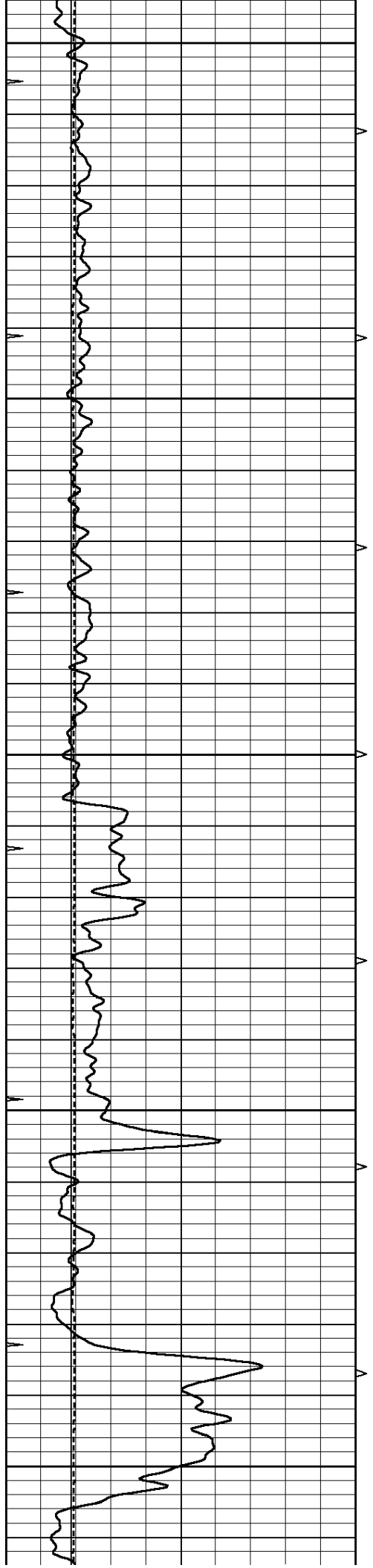
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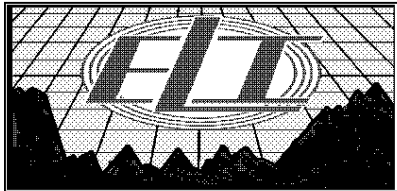
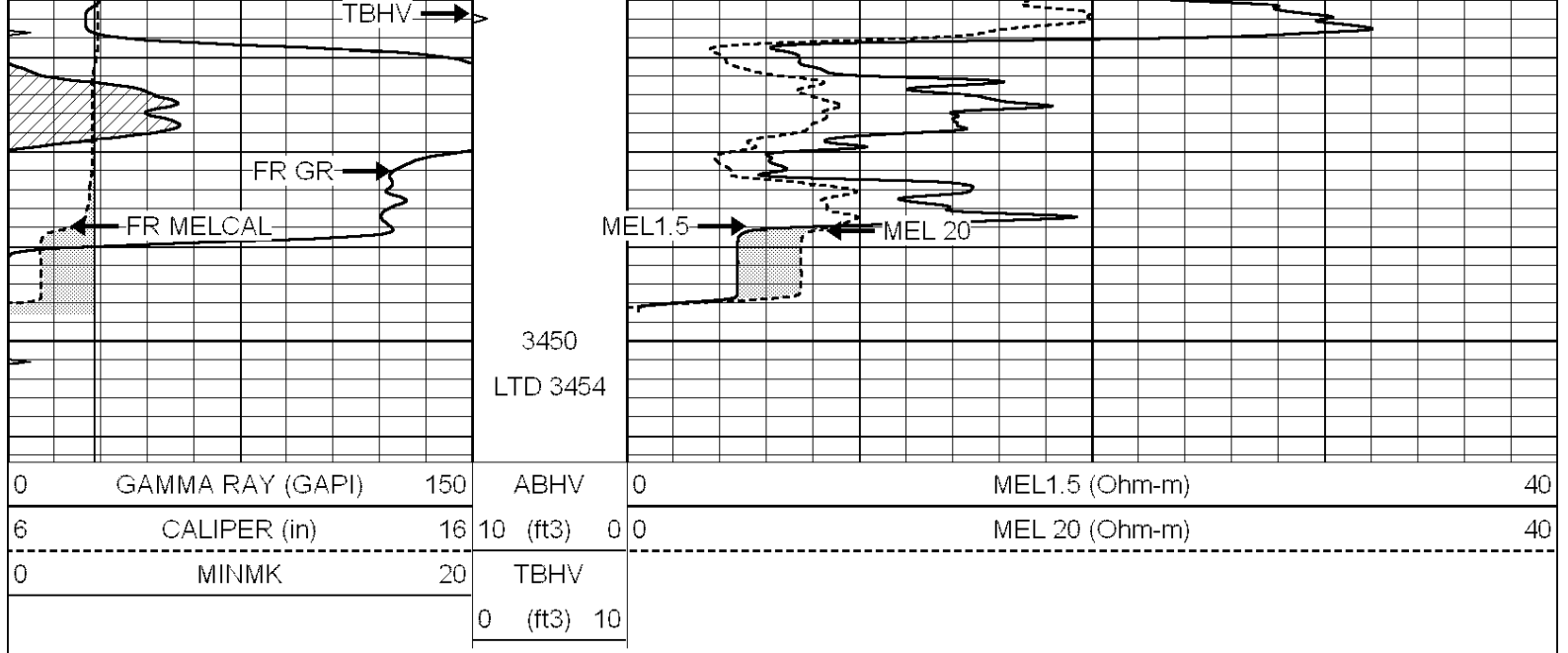
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3100

3150

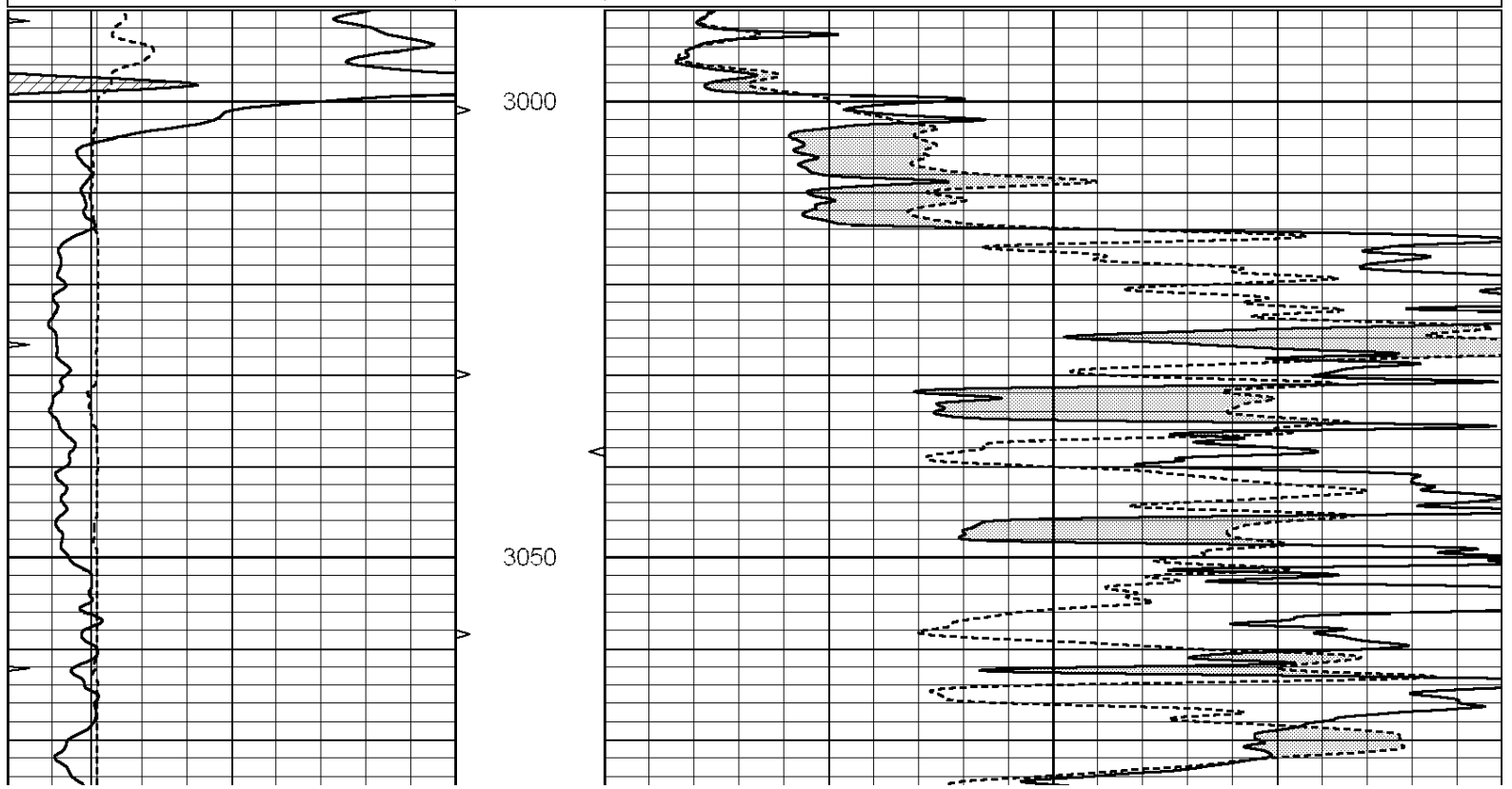
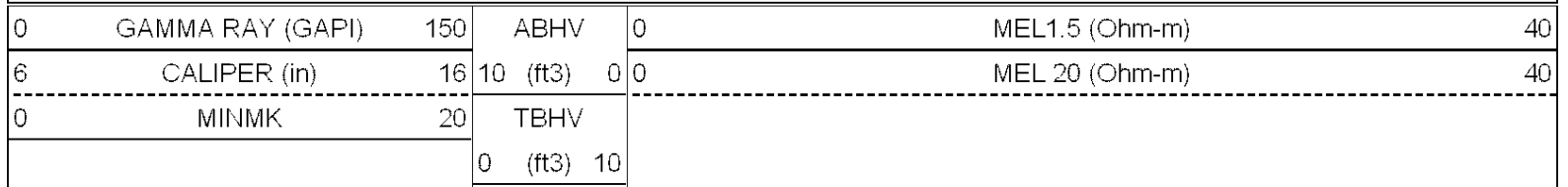


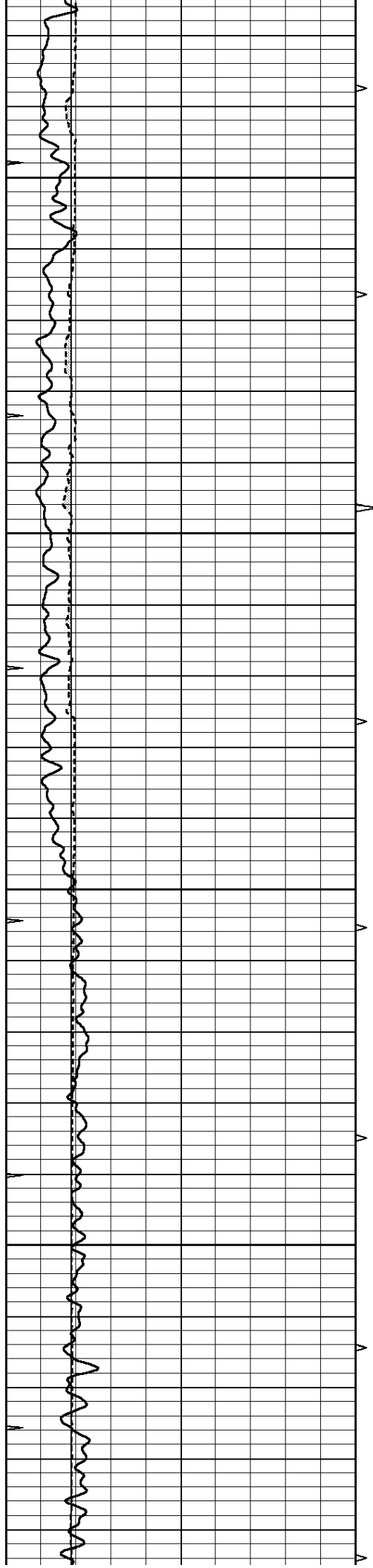




REPEAT SECTION

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 Charted by: Depth in Feet scaled 1:240



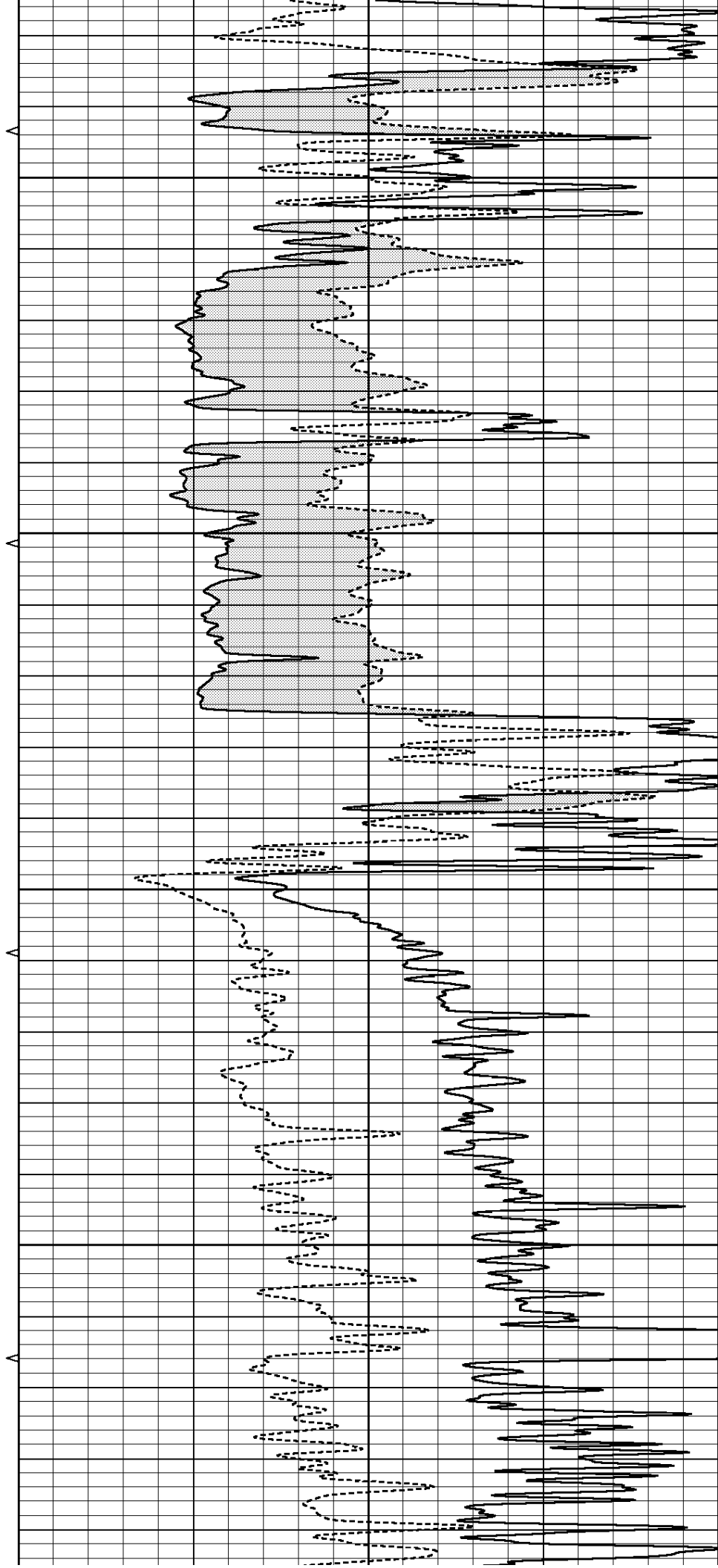


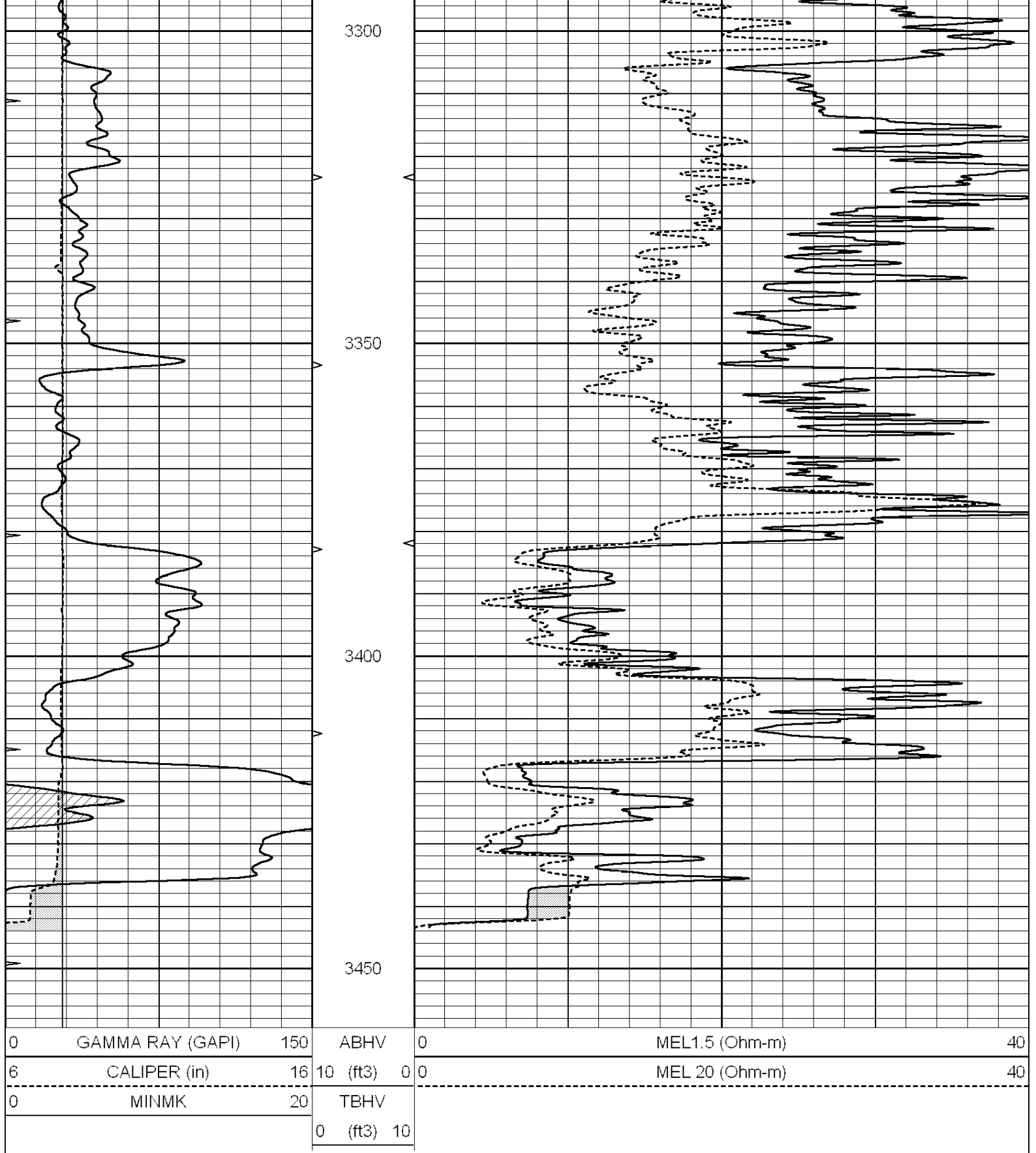
3100

3150

3200

3250





Calibration Report

Database File: 4526pe.db
Dataset Pathname: pass6.3
Dataset Creation: Wed Jan 22 18:28:57 2020 by Calc SOC 120430

MICRO Calibration Report

Serial Number: 070910
Tool Model: ProbeN

Performed:	Thu Jan 16 16:38:36 2020	
Caliper Calibration:	Gain=5.848	Offset=0.456
References	Low Cal	High Cal
Readings	8.000	18.000
	1.290	3.000
1.5" Calibration:	Gain=20.000	Offset=0.500
References	Low Cal	High Cal
Readings	0.000	20.000
	0.000	1.216
2" Calibration:	Gain=40.000	Offset=-0.500
References	Low Cal	High Cal
Readings	0.000	20.000
	0.002	1.053
Gamma Ray Calibration Report		
Serial Number:	070559	
Tool Model:	OPEN_GR	
Performed:	Fri Jan 03 20:10:50 2020	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2800	GAPI/cps