



MICRO LOG

Company		PHILLIPS EXPLORATION CO. L.C.	
Well		TG MILLER #1-4 SHR	
Field		WILDCAT	
County		TREGO	
State		KANSAS	
Company		PHILLIPS EXPLORATION COMPANY, L.C.	
Well		TG MILLER #1-4 SHR	
Field		WILDCAT	
County		TREGO	
State		KANSAS	
Location:		API # : 15-195-23007-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		850' FSL & 1100' FWL	
Drilling Measured From		SE - NE - SW - SW	
SEC 4		TWP 12S	
RGE		25W	
Elevation		2573	
Other Services		CDL/CNL	
DIL		Elevation	
K.B. 2578		D.F. 2576	
G.L. 2573			
Date	9/21/16		
Run Number	TWO		
Depth Driller	4520		
Depth Logger	4520		
Bottom Logged Interval	4518		
Top Log Interval	3400		
Casing Driller	8 5/8"@218'		
Casing Logger	218		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2,200 PPM	
Density / Viscosity	9.5/60		
pH / Fluid Loss	10.5/7.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.500@95F		
Rmf @ Meas. Temp	.375@95F		
Rmc @ Meas. Temp	.600@95F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.393@121F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	7:45 P.M.		
Maximum Recorded Temperature	121F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	PAT 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.

Comments

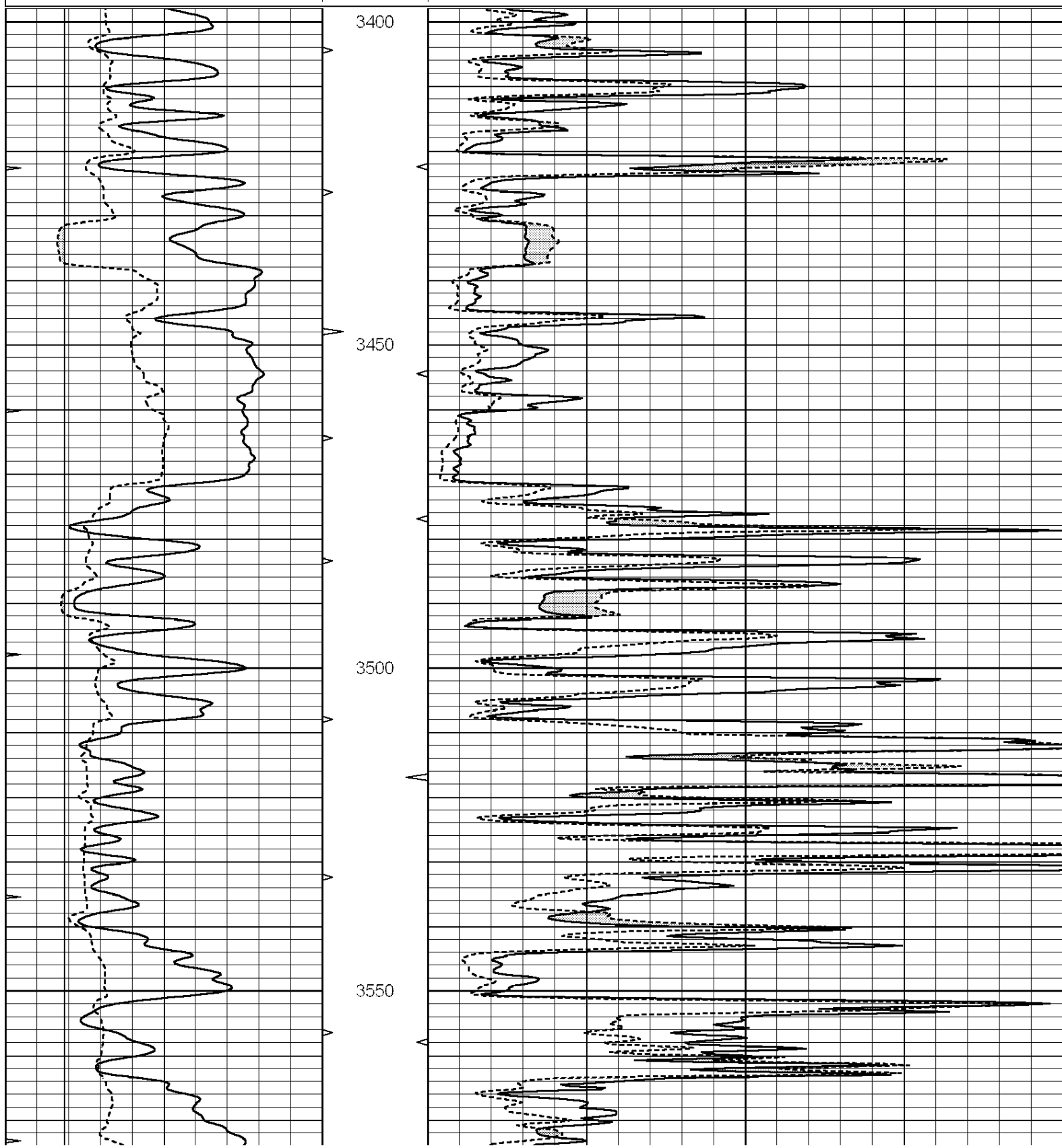
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
COLLYER, KS. & I-70, 1N. TO STOP SIGN, 1/4E., N. INTO

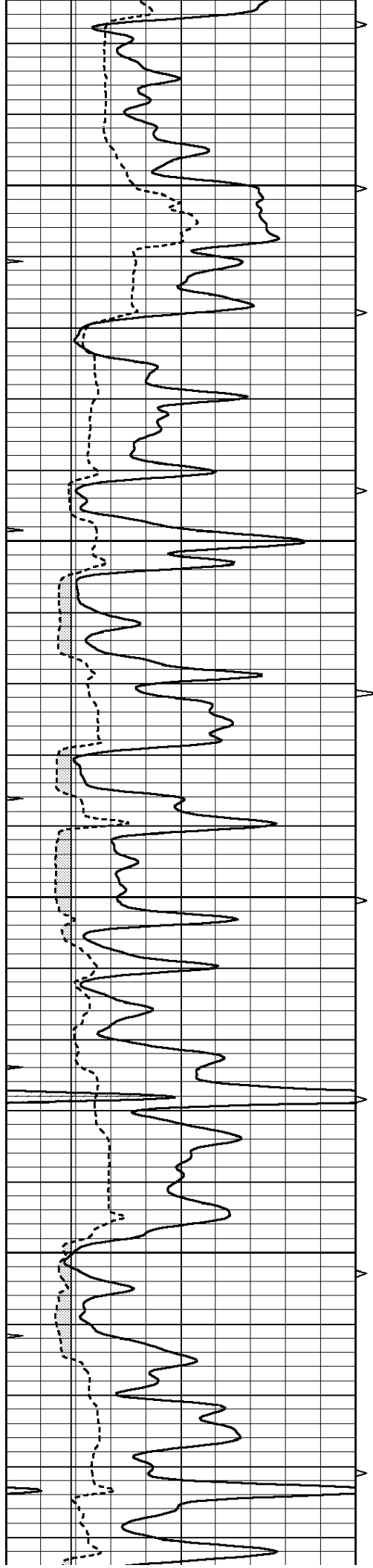


MAIN SECTION

Database File: 30773ddn.db
 Dataset Pathname: pass6.2
 Presentation Format: micro
 Dataset Creation: Wed Sep 21 22:42:17 2016 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	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



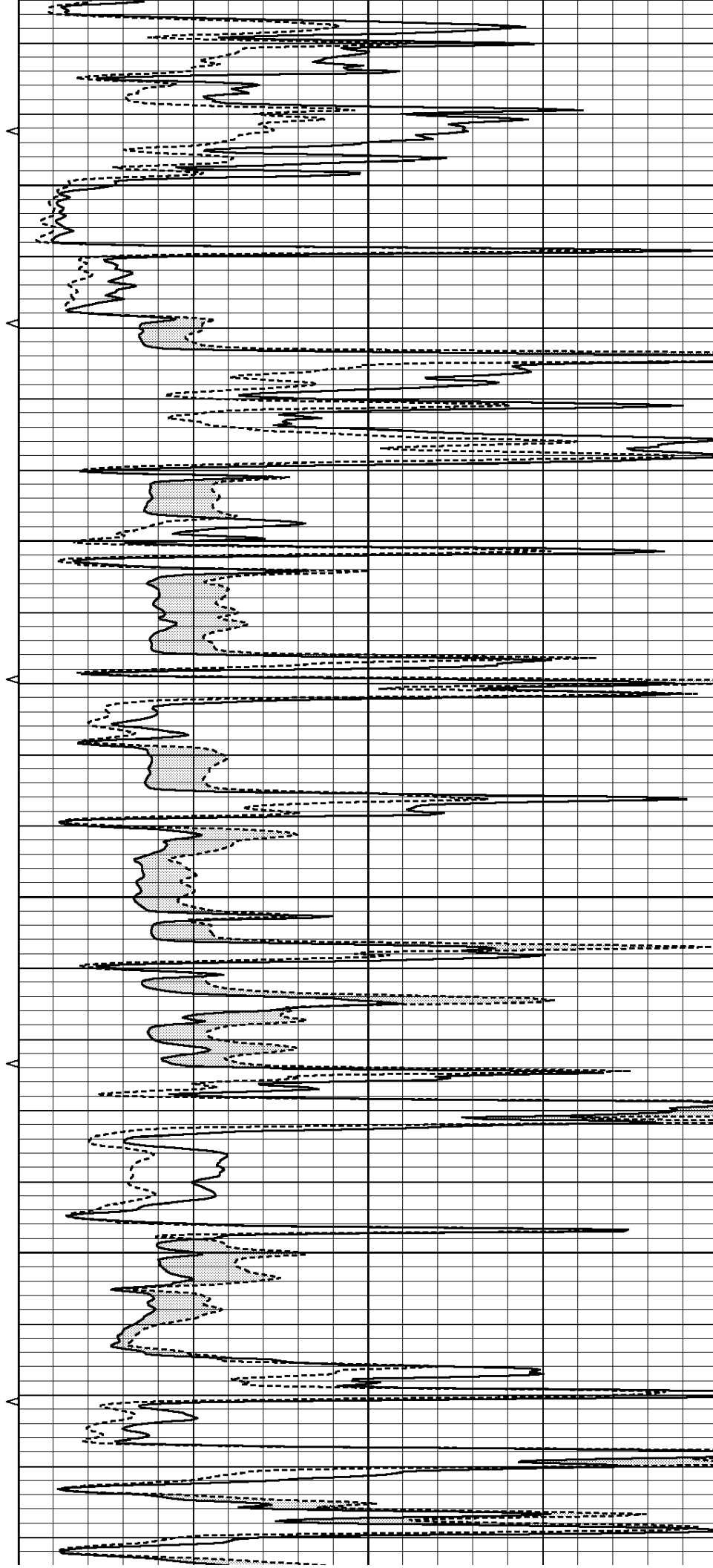


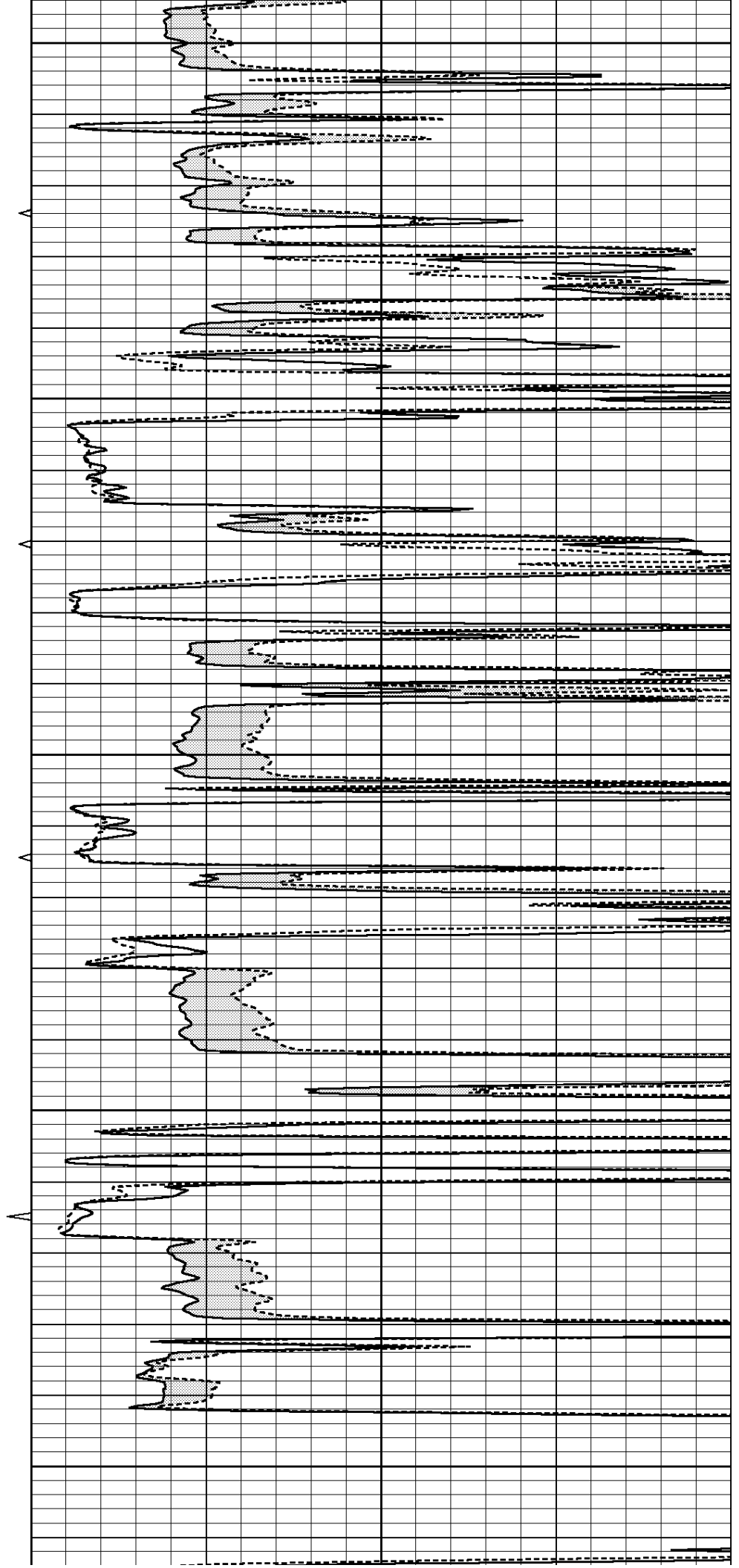
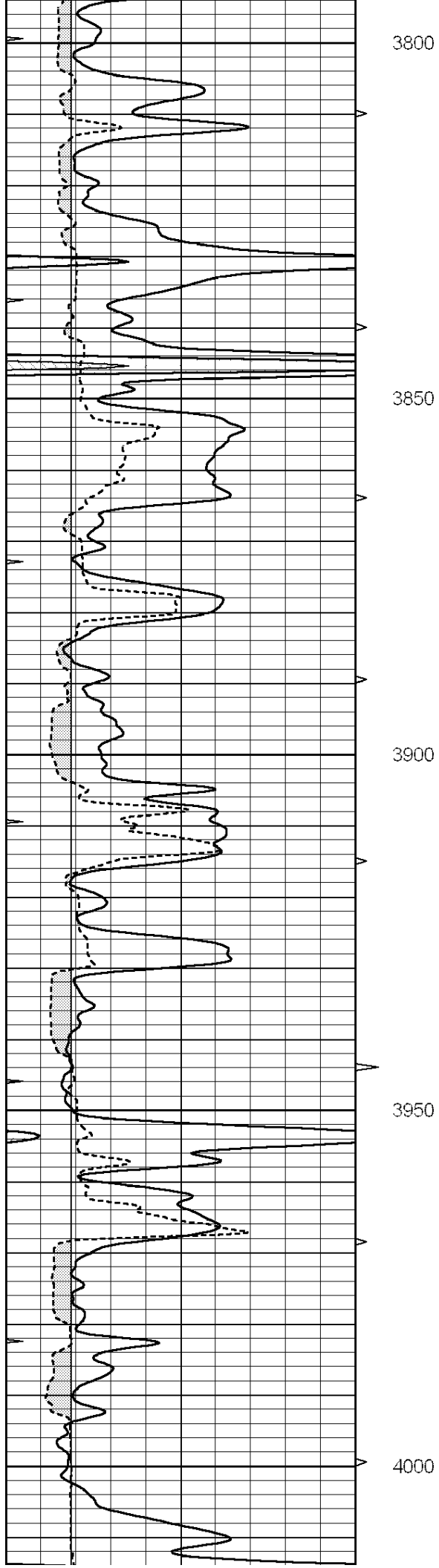
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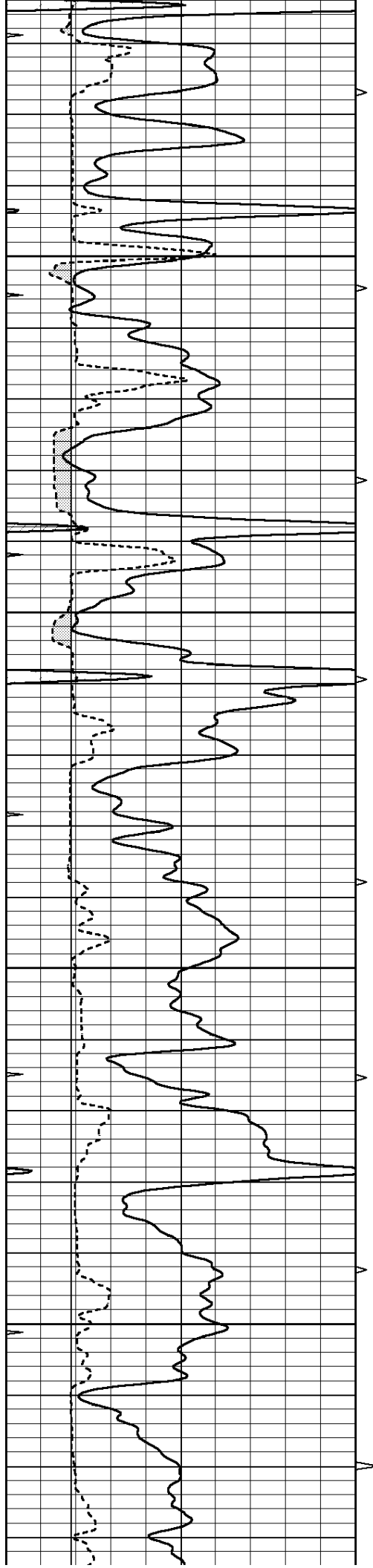
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3700

3750





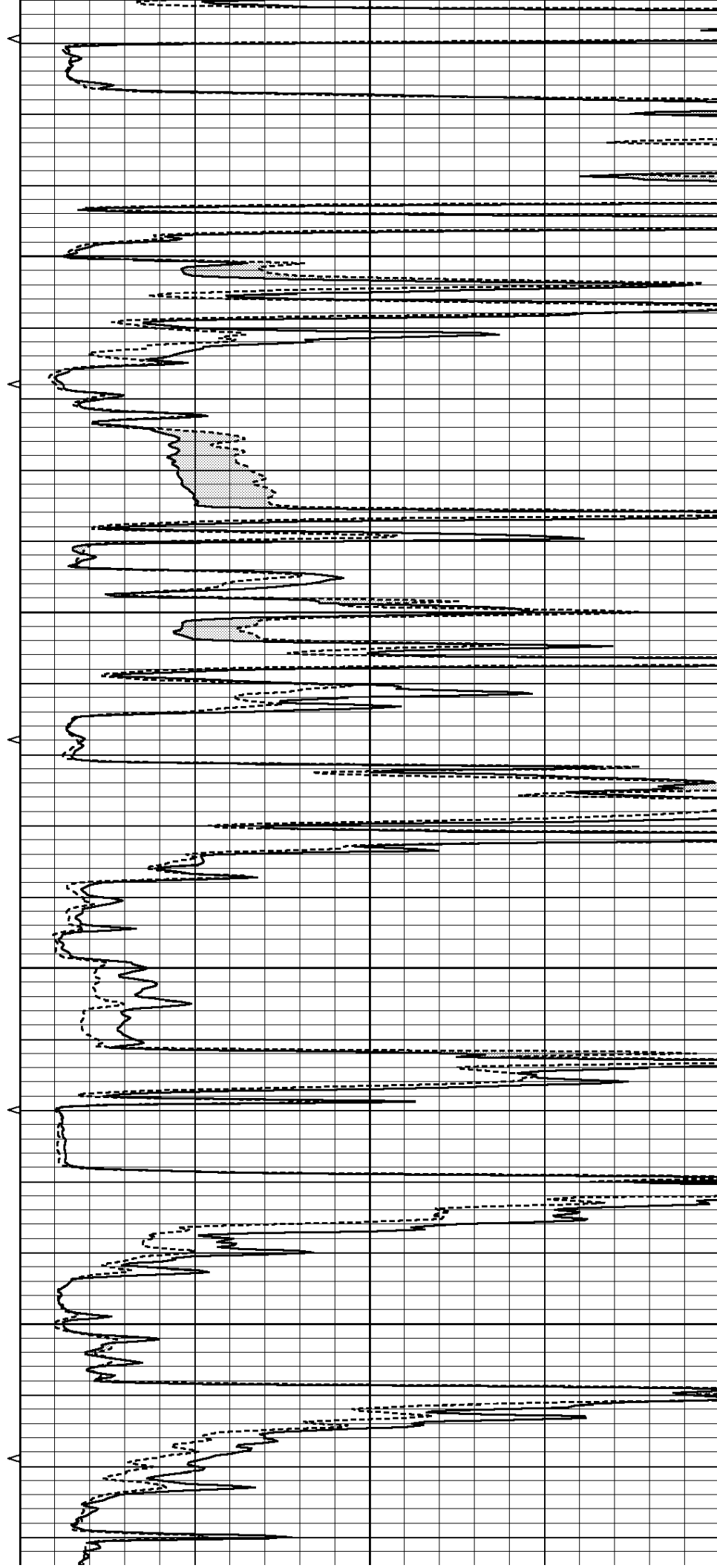


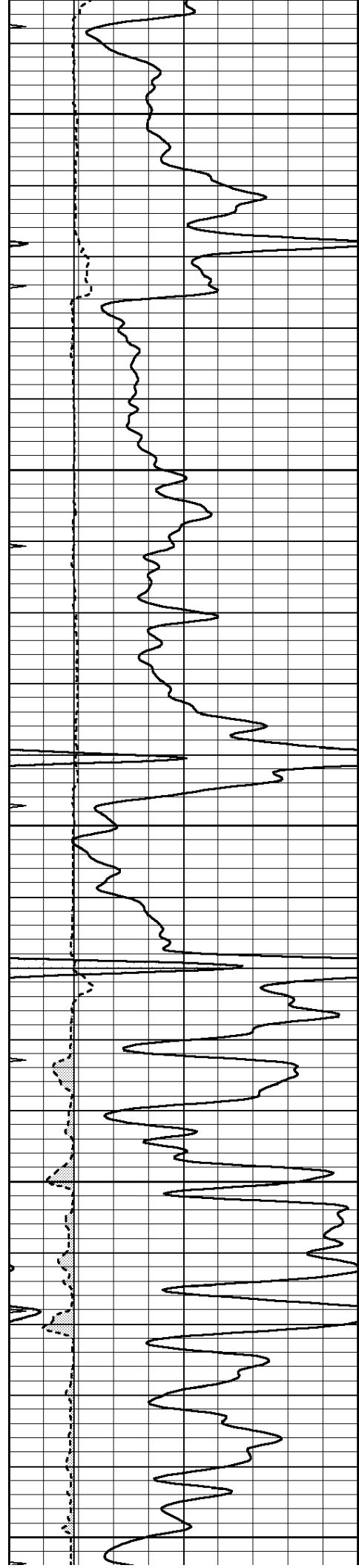
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4150

4200





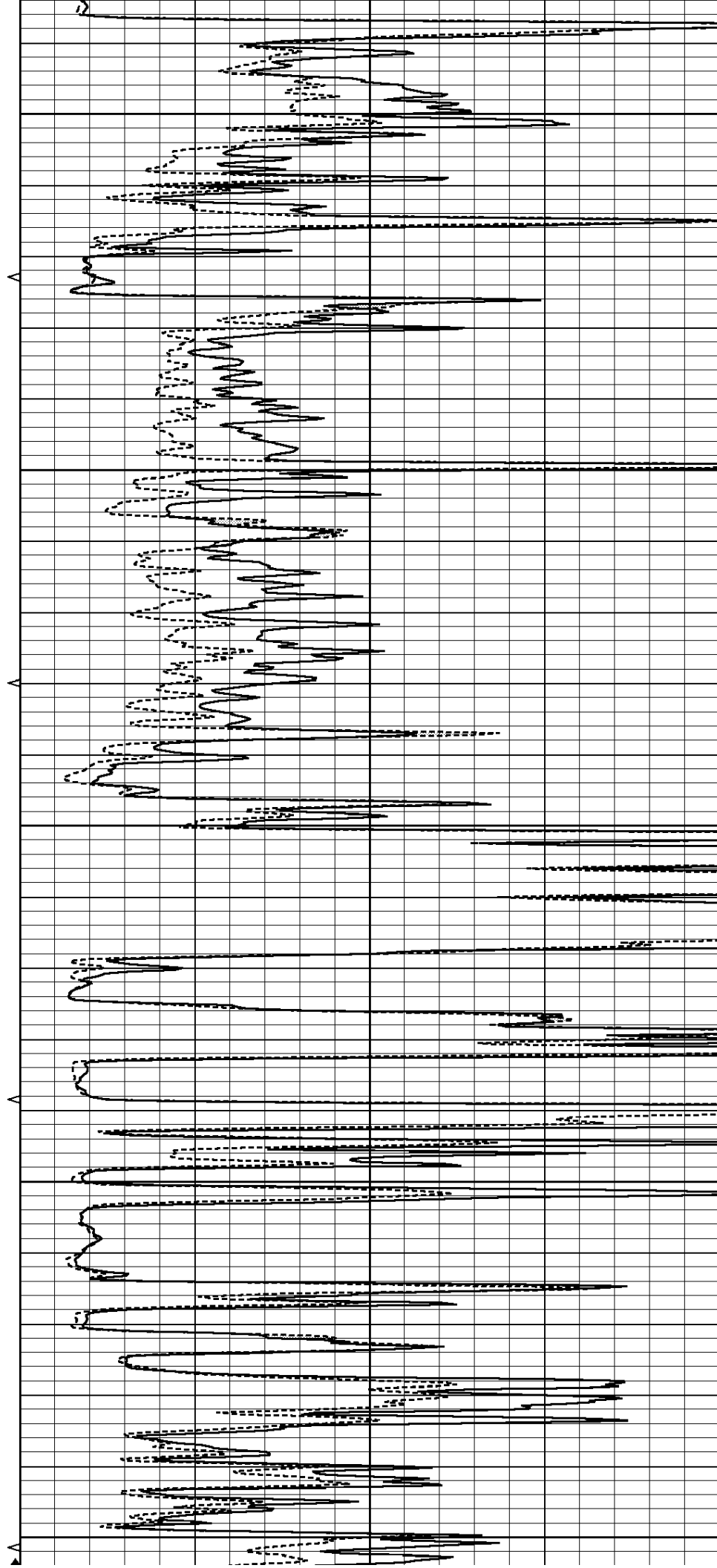
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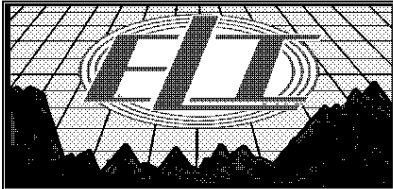
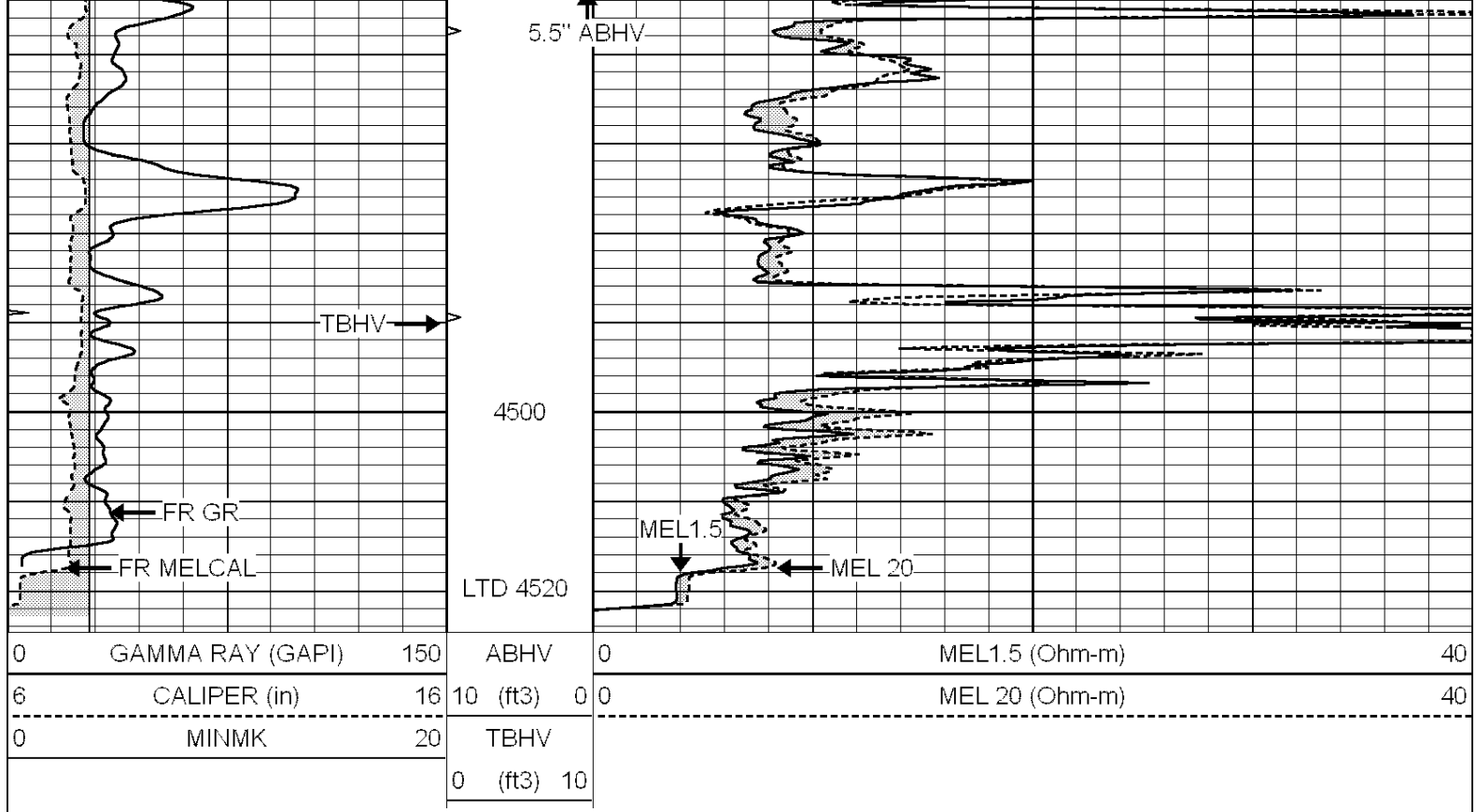
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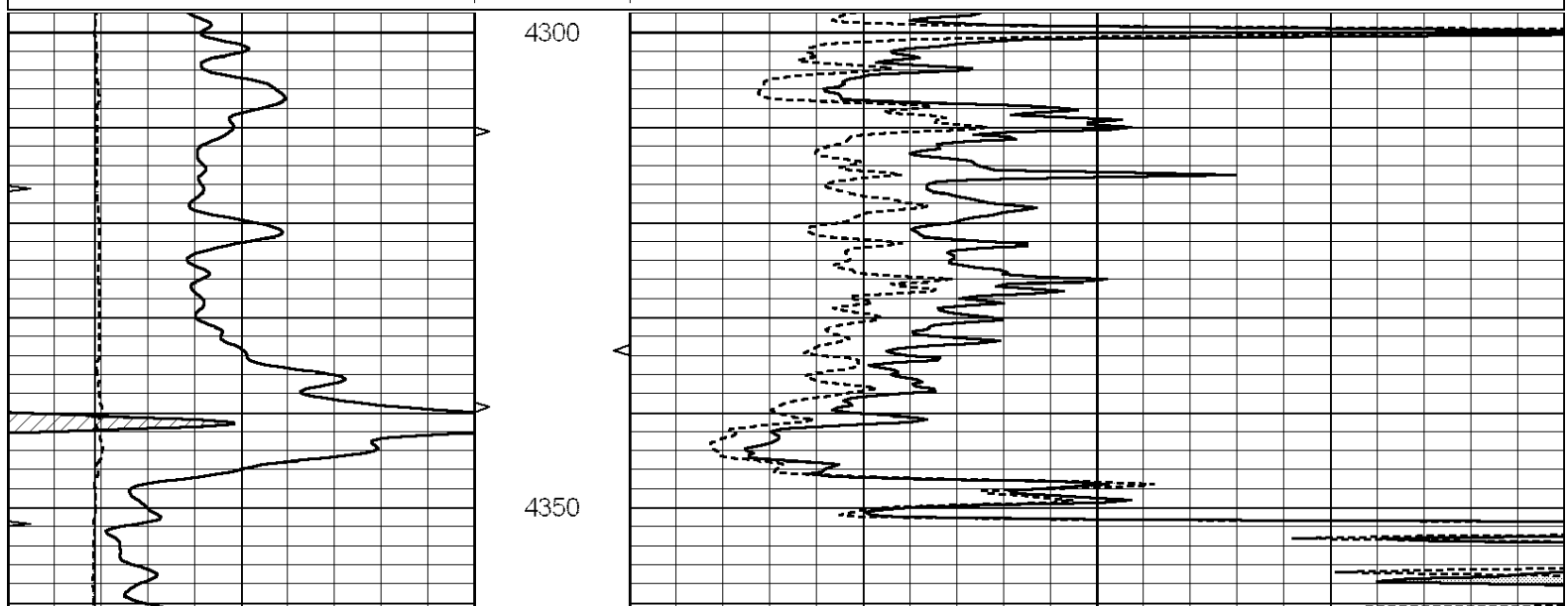


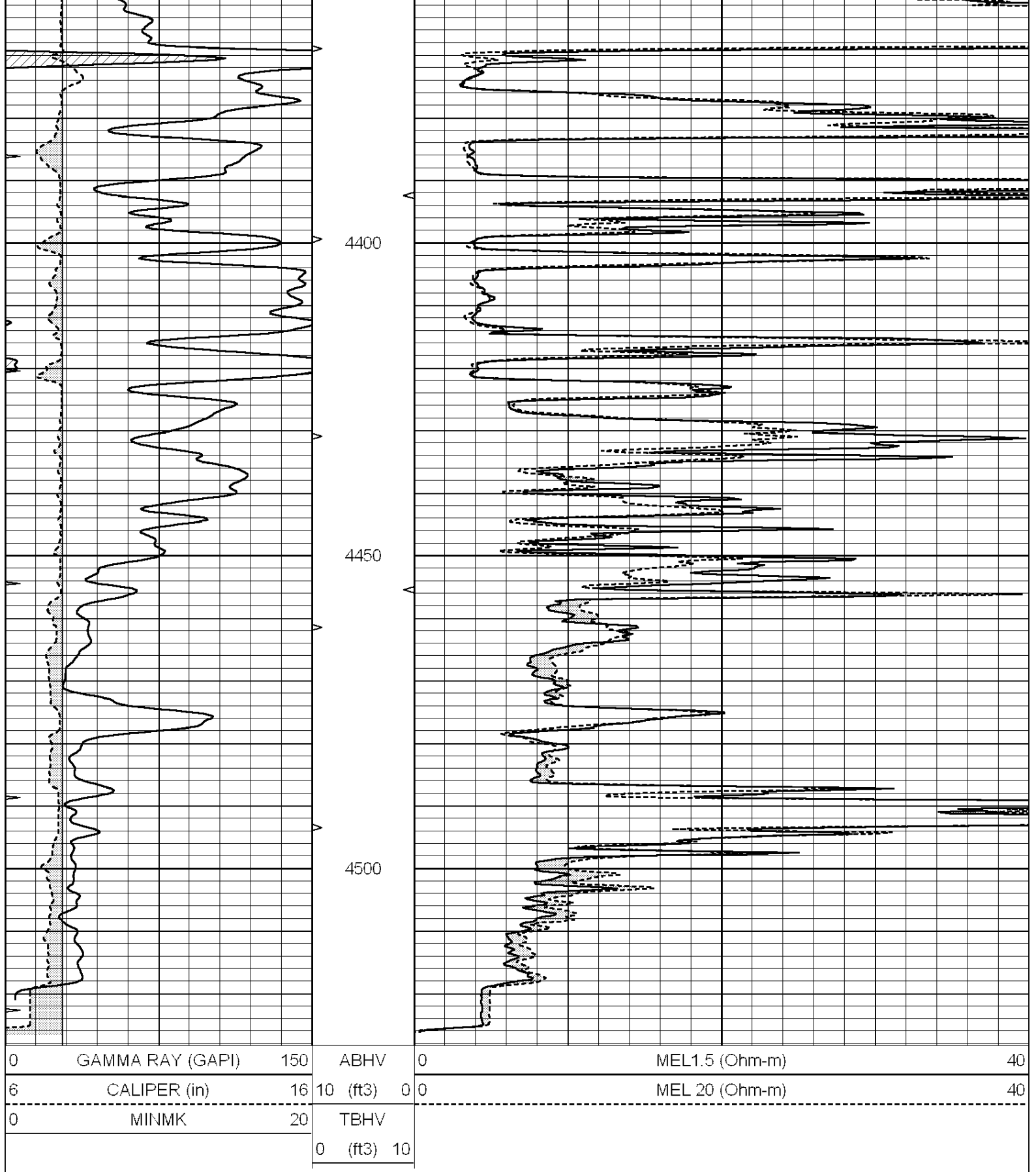


REPEAT SECTION

Database File: 30773ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: micro
 Dataset Creation: Wed Sep 21 22:33:40 2016 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	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 30773ddn.db
Dataset Pathname: pass6.2
Dataset Creation: Wed Sep 21 22:42:17 2016 by Calc SOC 120430

MICRO Calibration Report

Serial Number: 070910

Tool Model: Performed:	ProbeN Wed Sep 21 21:24:37 2016	
Caliper Calibration:	Gain=5.163	Offset=-0.404
References	Low Cal 7.200	High Cal 16.000
Readings	1.473	3.178
1.5" Calibration:	Gain=35.000	Offset=-0.200
References	Low Cal 0.000	High Cal 20.000
Readings	0.000	1.216
2" Calibration:	Gain=42.000	Offset=-0.500
References	Low Cal 0.000	High Cal 20.000
Readings	0.002	1.053
Gamma Ray Calibration Report		
Serial Number:	070559	
Tool Model:	OPEN_GR	
Performed:	Mon Aug 22 03:09:22 2016	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2000	GAPI/cps