



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

MICRO LOG

Company LOTUS OPERATING COMPANY, LLC. Well #4 ROSE Field STRANATHAN / HARDTNER County BARBER State KANSAS		Location: API # : 15-007-24236-0000 SEC 25 TWP 34S RGE 12W N/2 - NW - SE Permanent Datum GROUND LEVEL Elevation 1383 Log Measured From KELLY BUSHING 13' A.G.L. Drilling Measured From KELLY BUSHING Other Services CDL/CNL/PE DIL/SON/FF Elevation K.B. 1396 D.F. 1394 G.L. 1383	
Date	10/10/14		
Run Number	TWO		
Depth Driller	5385		
Depth Logger	5390		
Bottom Logged Interval	5374		
Top Log Interval	3700		
Casing Driller	10 3/4" @ 298'		
Casing Logger	298		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3,500 PPM	
Density / Viscosity	9.4/44		
pH / Fluid Loss	8.0/10.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.800 @ 85F		
Rinf @ Meas. Temp	.600 @ 85F		
Rmc @ Meas. Temp	.960 @ 85F		
Source of Rinf / Rmc	MEASUREMENT		
Rim @ BHT	.531 @ 128F		
Time Circulation Stopped	5.5 HOURS		
Time Logger on Bottom	10:30 P.M.		
Maximum Recorded Temperature	128F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	TIM HELLMAN		

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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 "NABORS" HAYS, KANSAS (785) 628-6395
 DIRECTIONS
 MEDICINE LODGE, KS., 15 1/2S. ON HWY 281 PAST "HAWKINS RD.", 1/2 W. INTO

Database File:

25893pe.db

Dataset Pathname:

pass6.1

Presentation Format:

micro

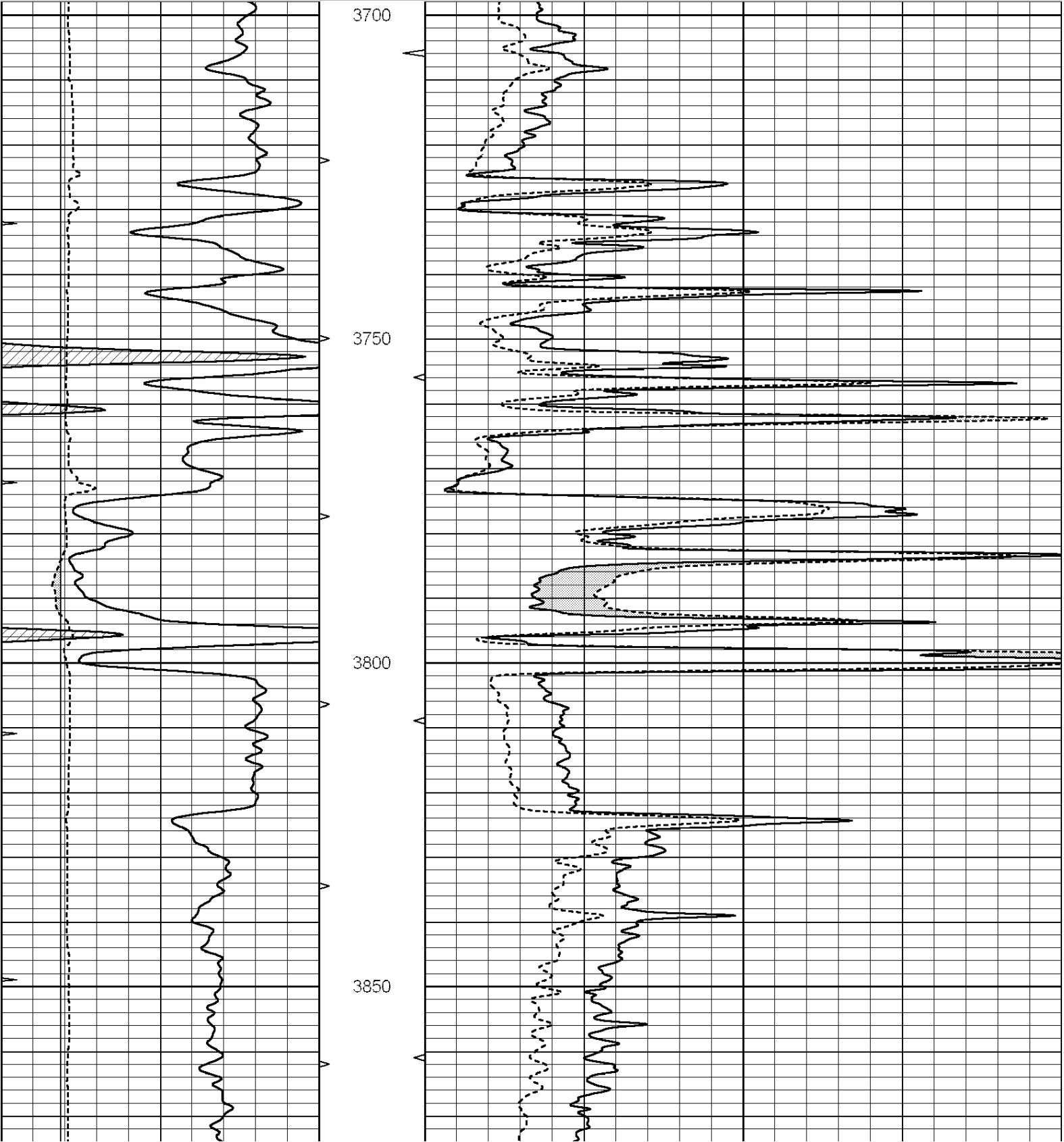
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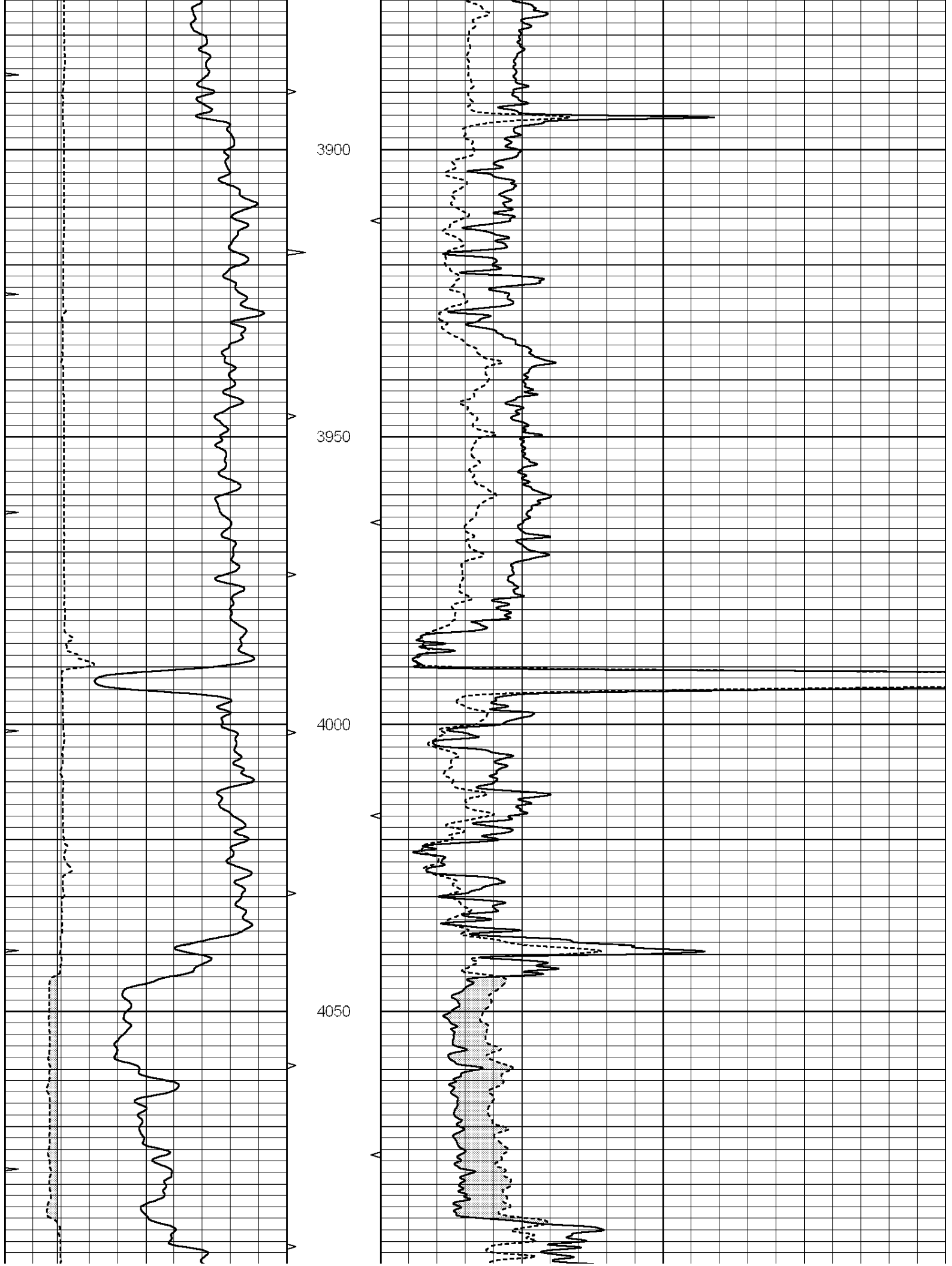
Sat Oct 11 02:24:04 2014 by Calc SOC 120430

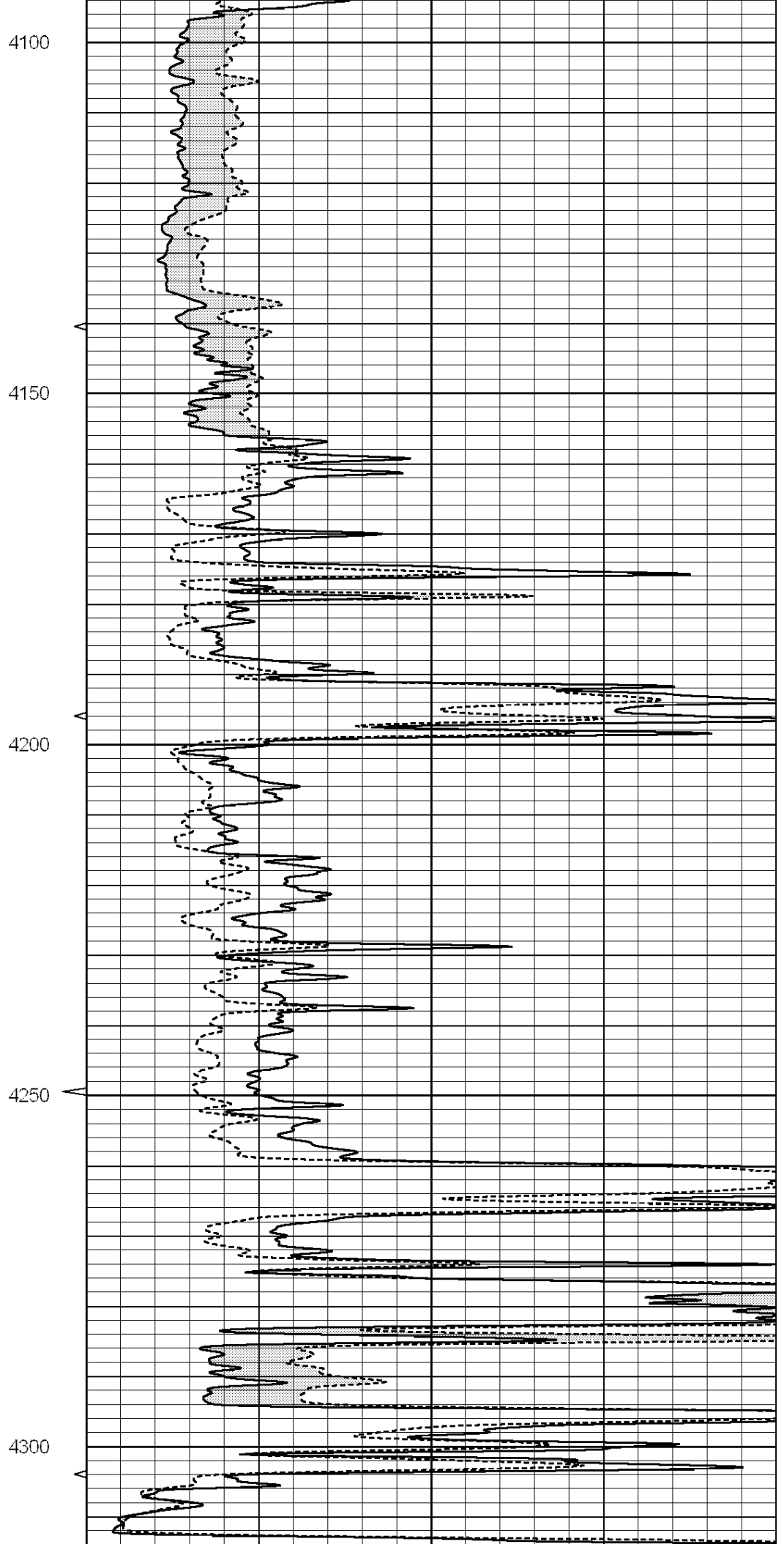
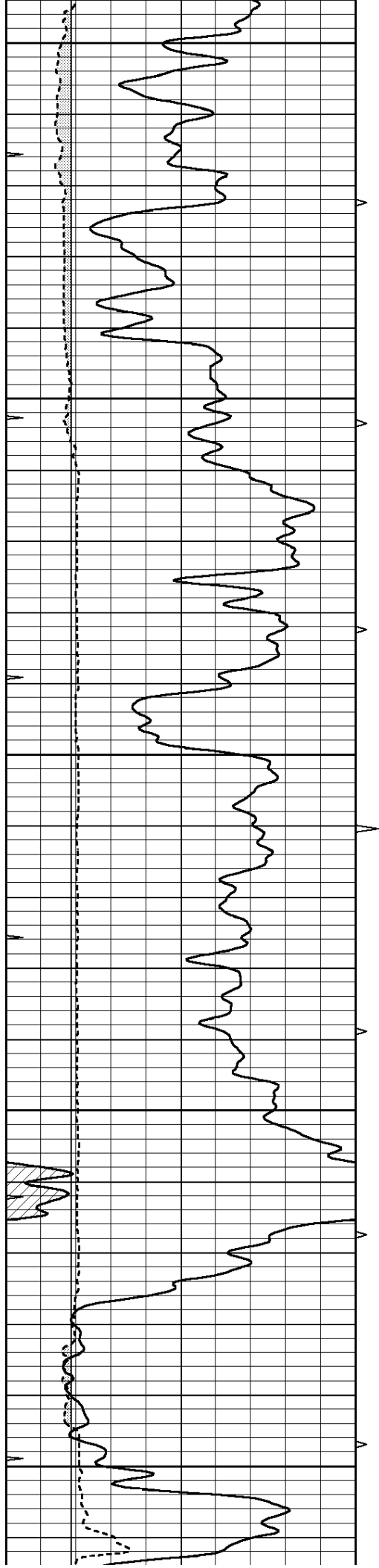
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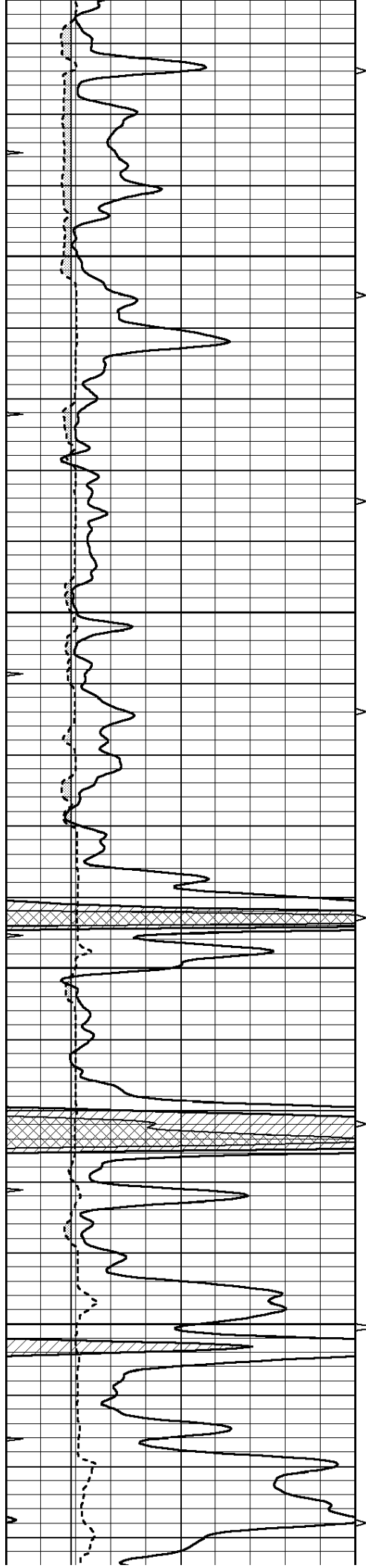
Depth in Feet scaled 1:240

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		







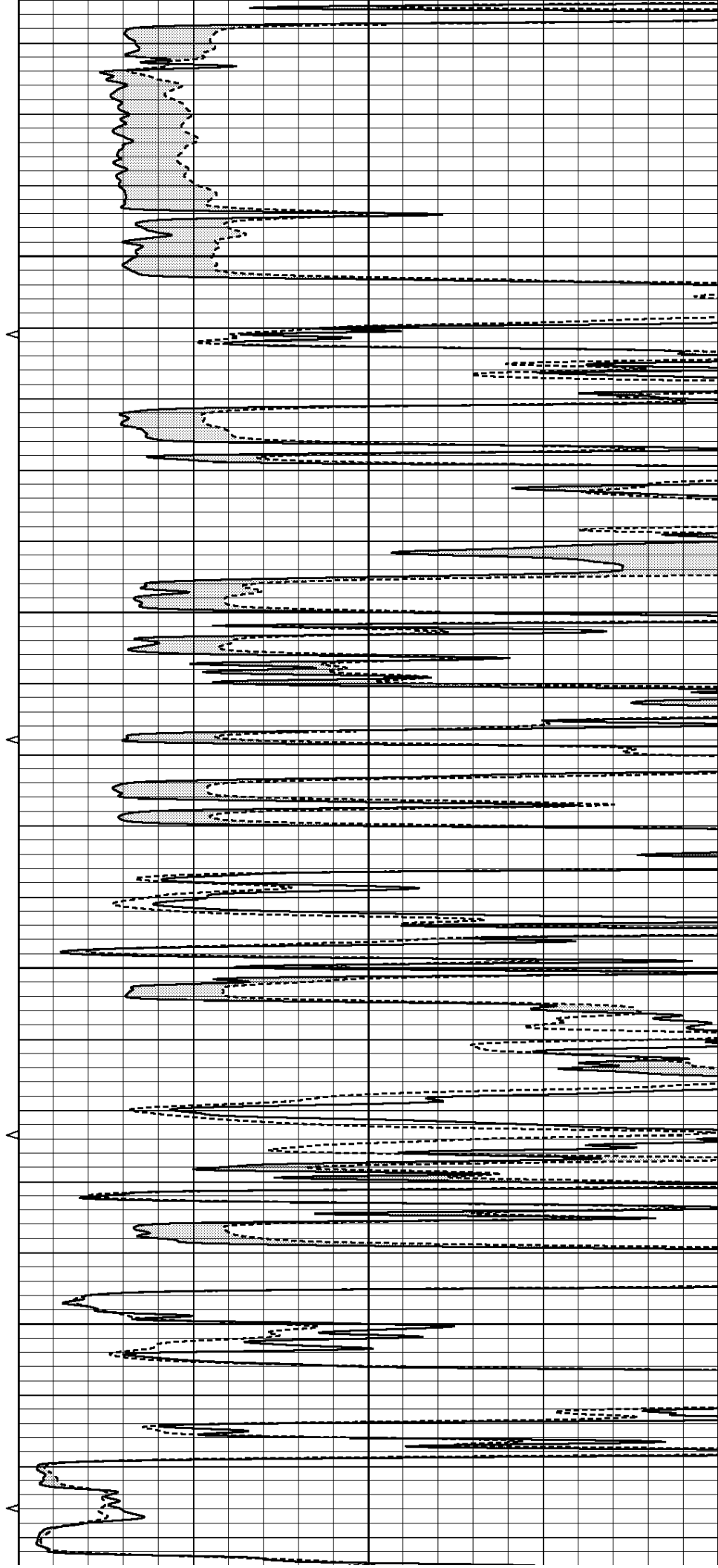


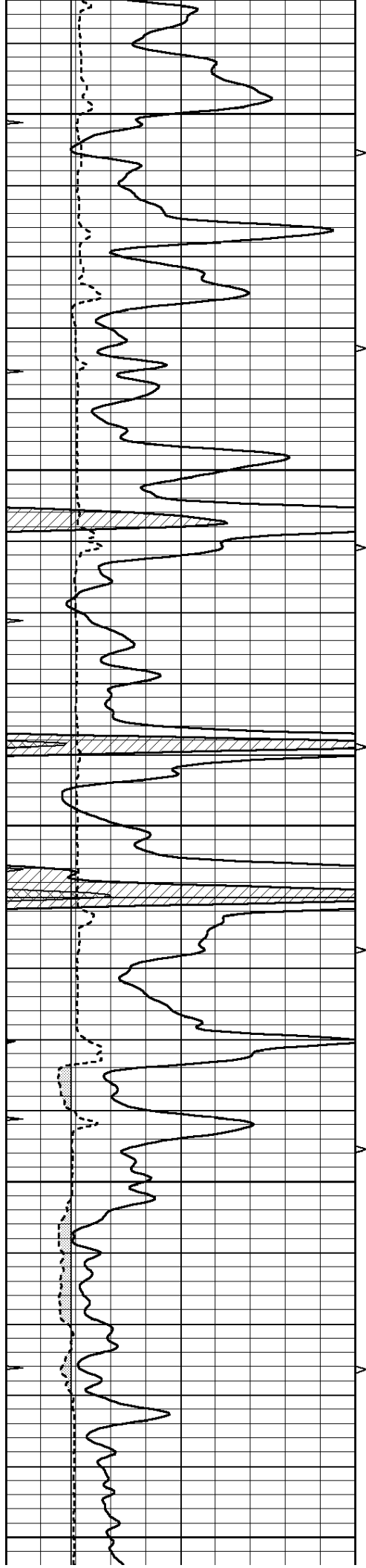
4350

4400

4450

4500





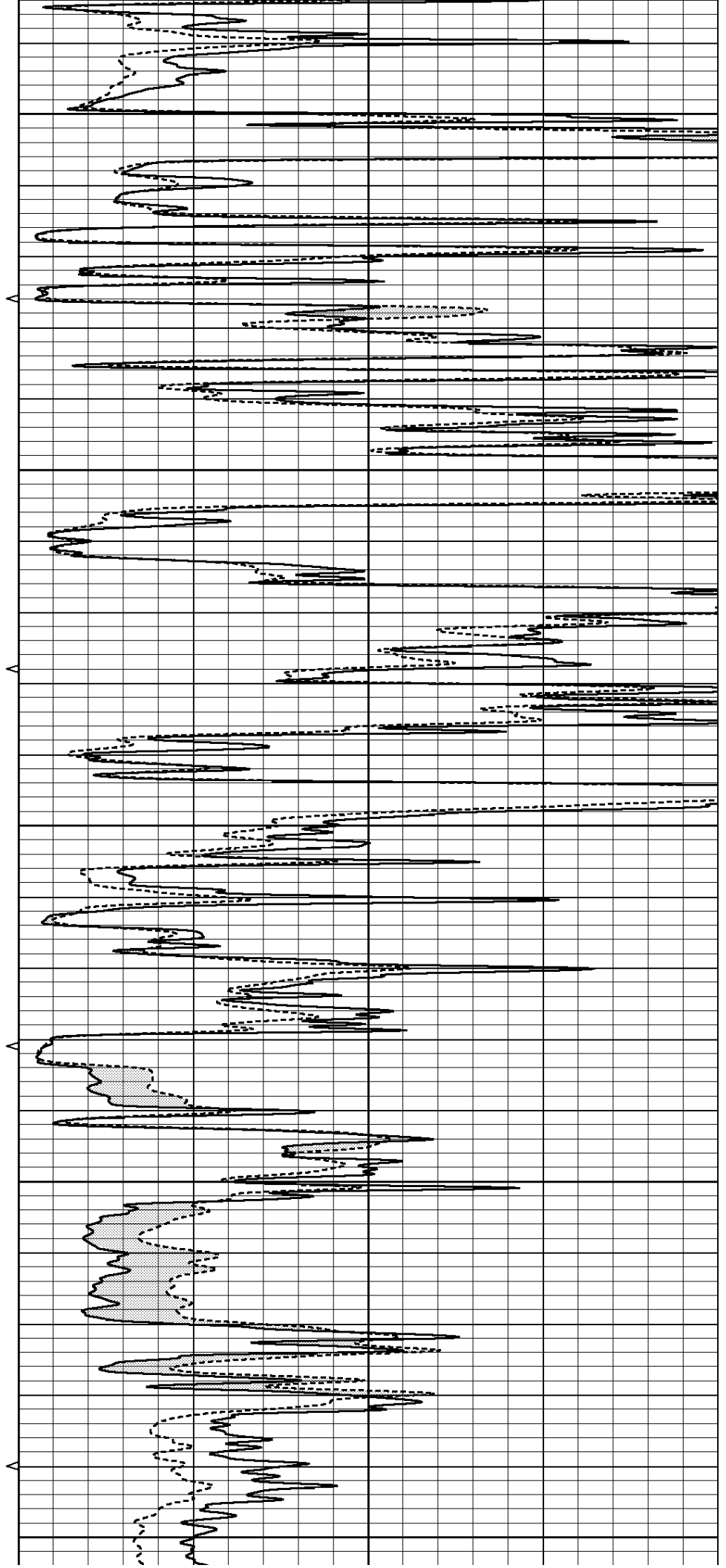
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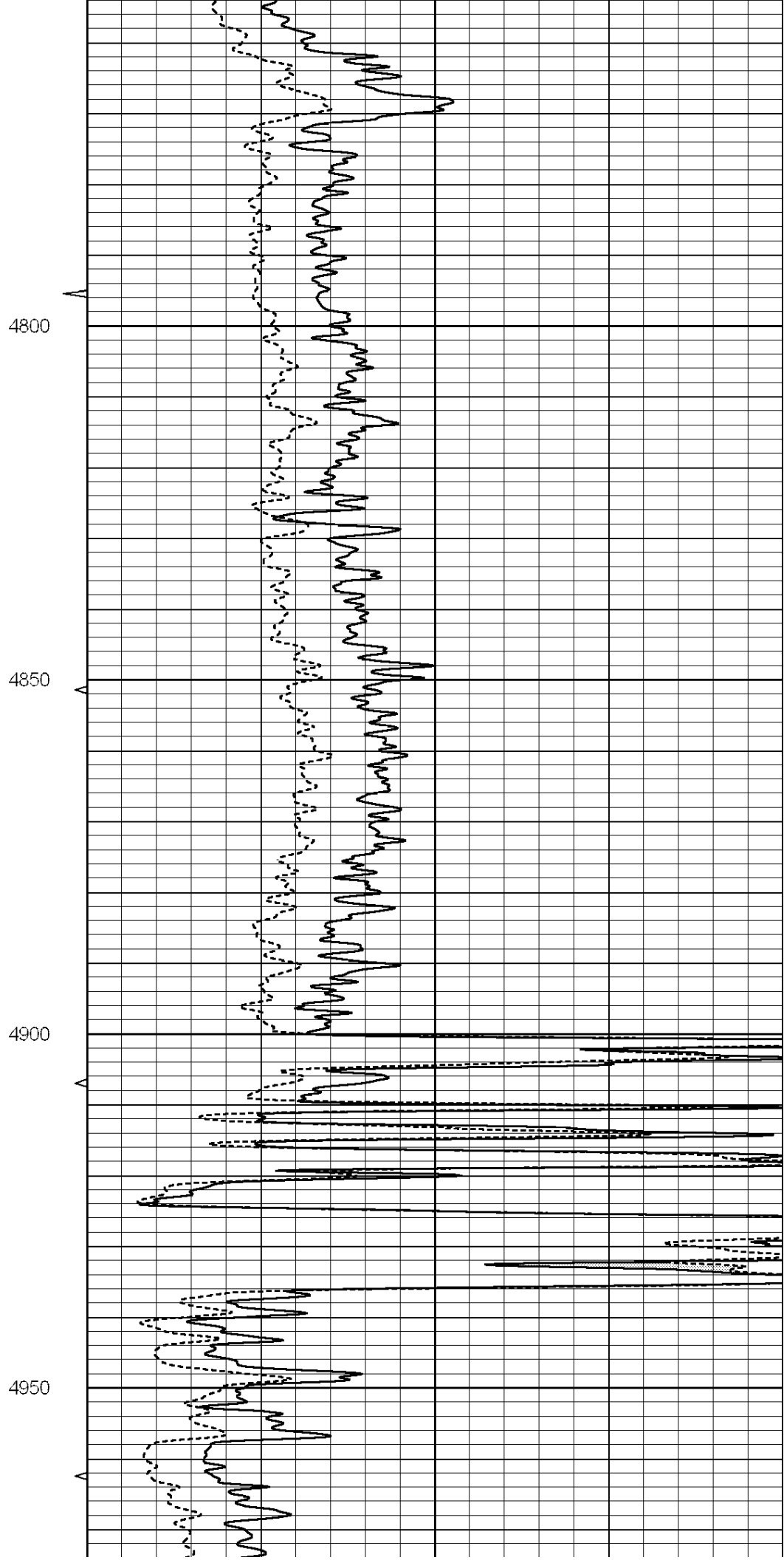
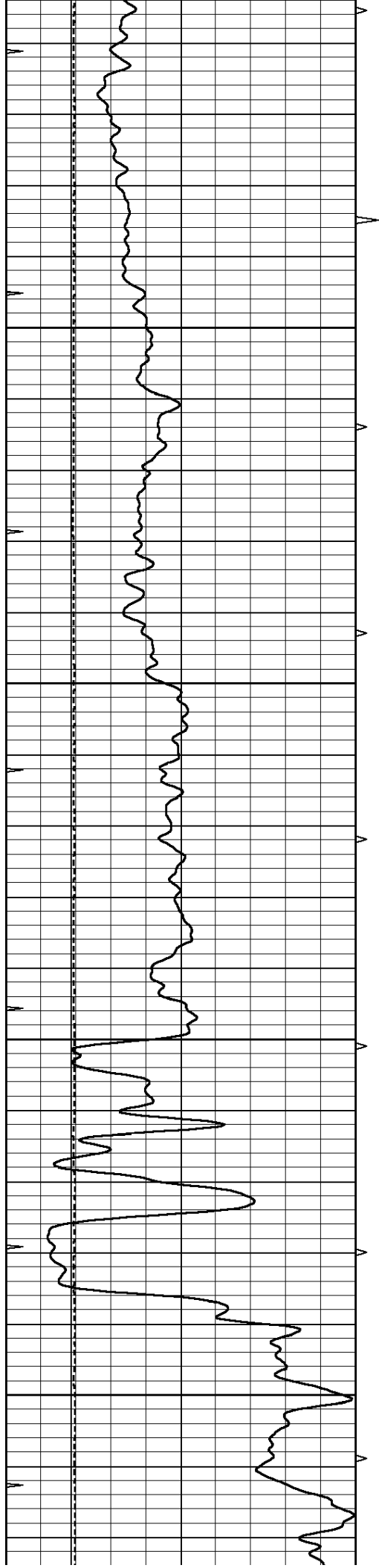
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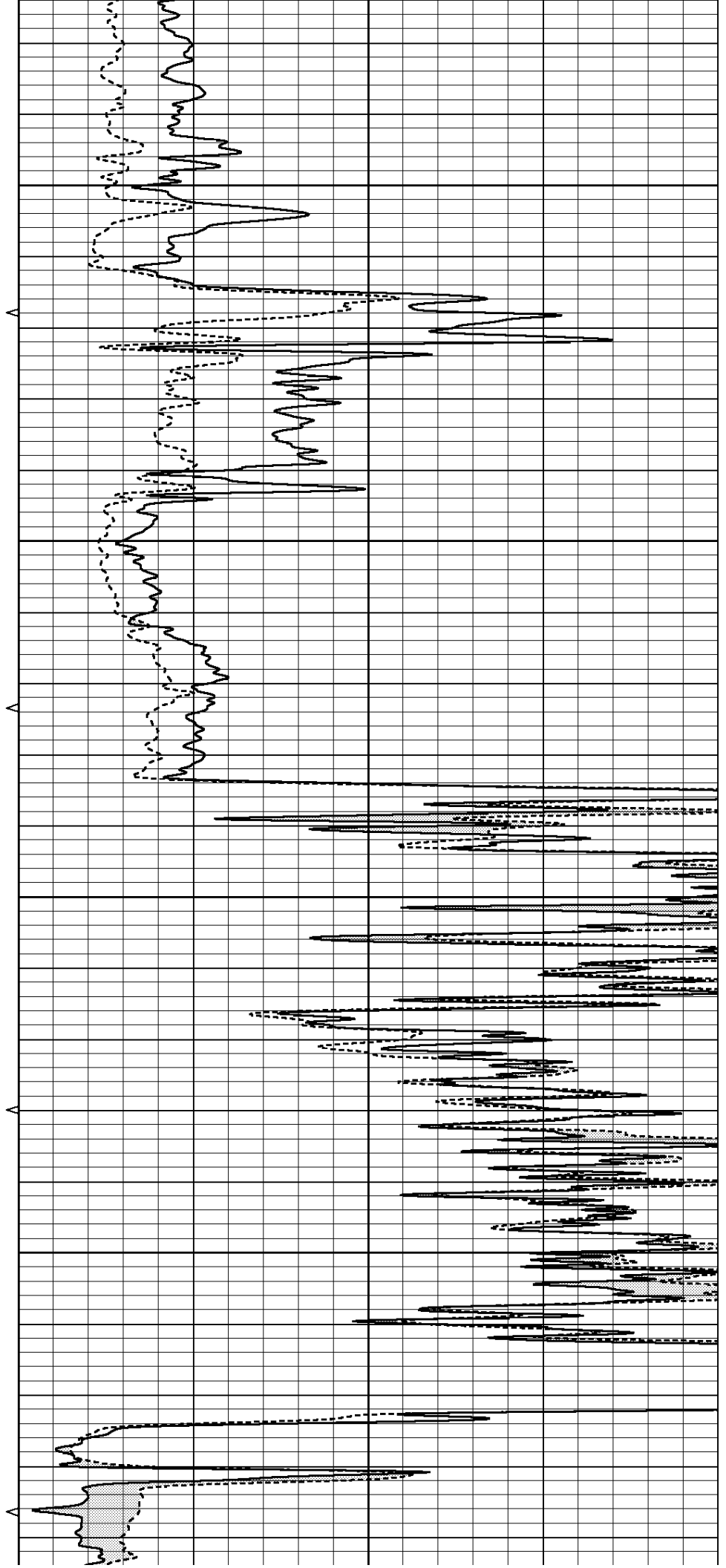
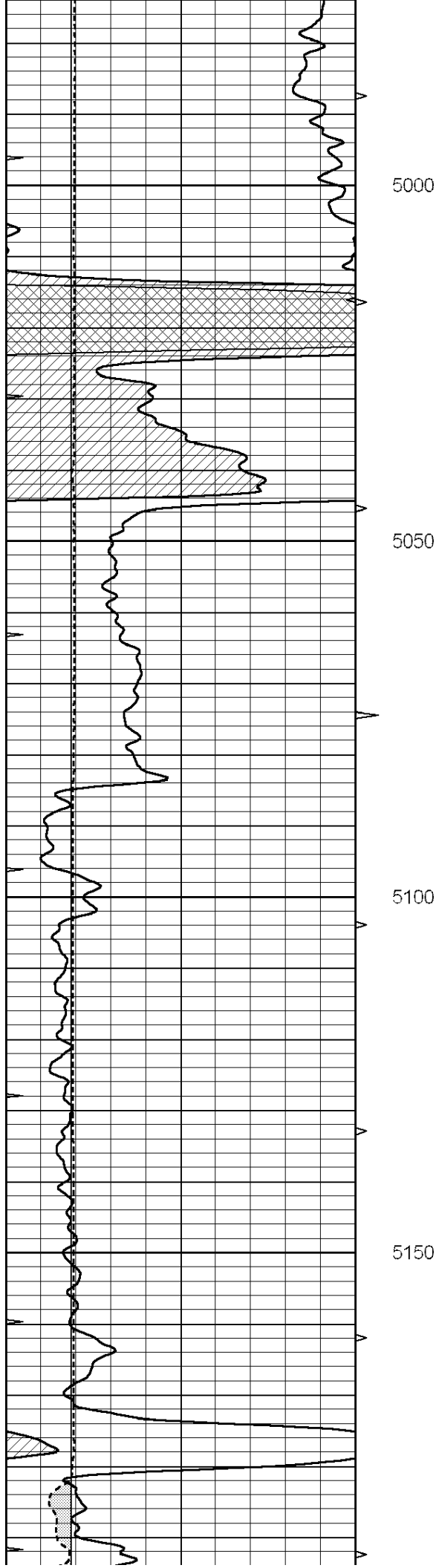
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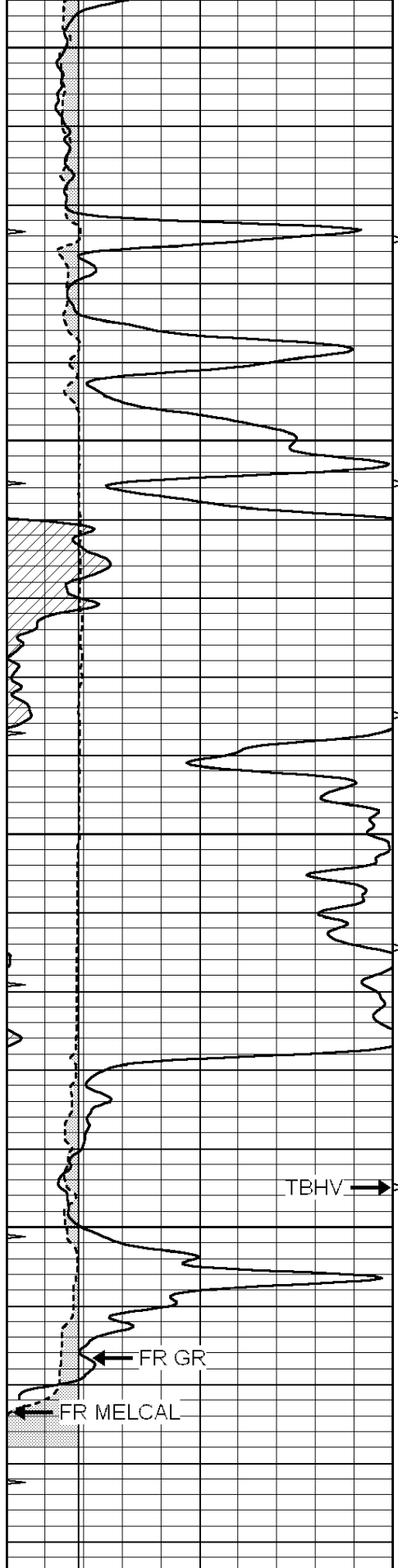
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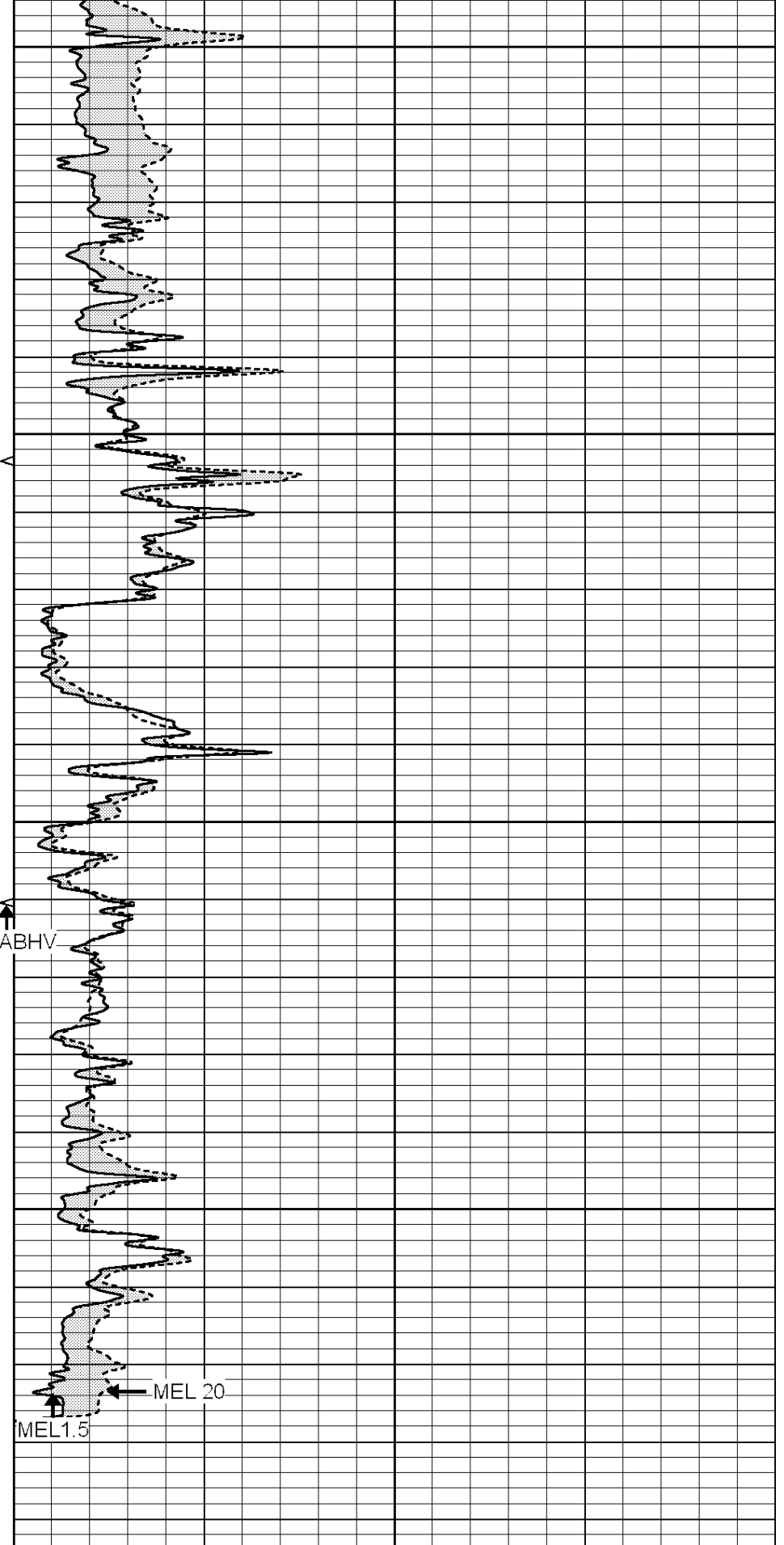
5200
5250
5300
5350

TBHV →

FR GR

FR MELCAL

LTD 5390



5.5" ABHV

MEL 20

MEL1.5

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		



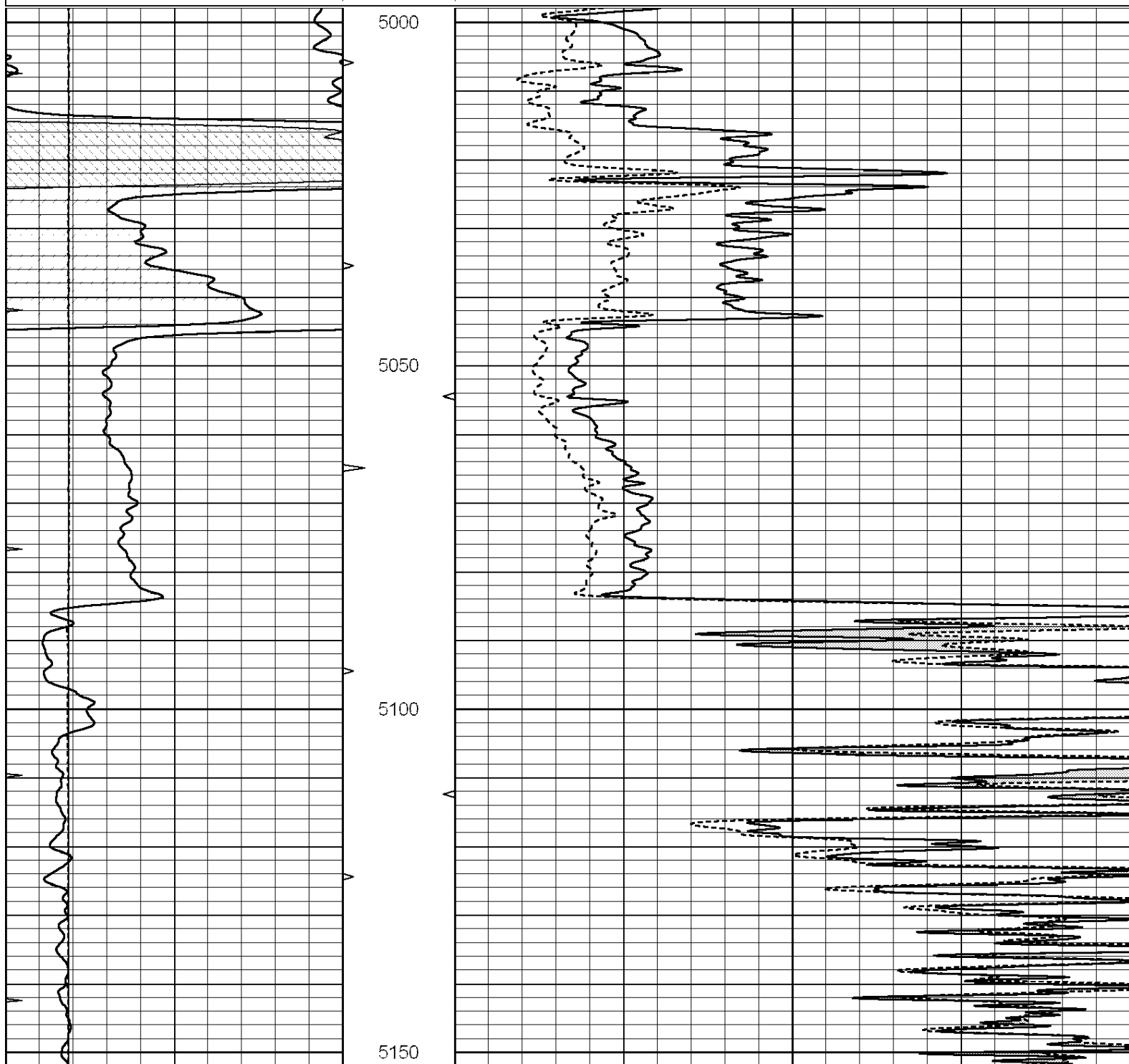
NABORS

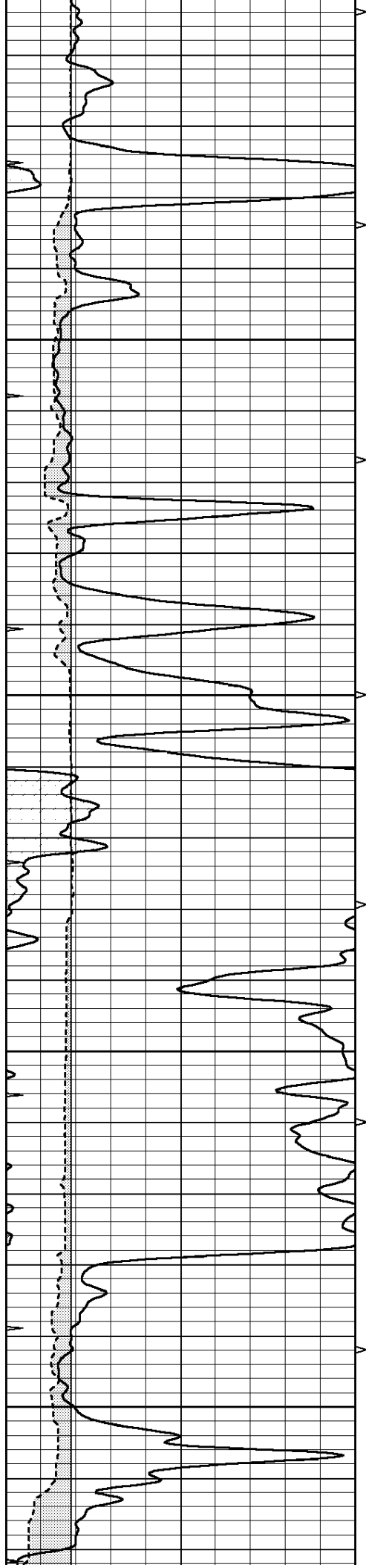
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REPEAT SECTION

Database File: 25893pe.db
Dataset Pathname: pass5.1
Presentation Format: micro
Dataset Creation: Sat Oct 11 01:24:38 2014 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		



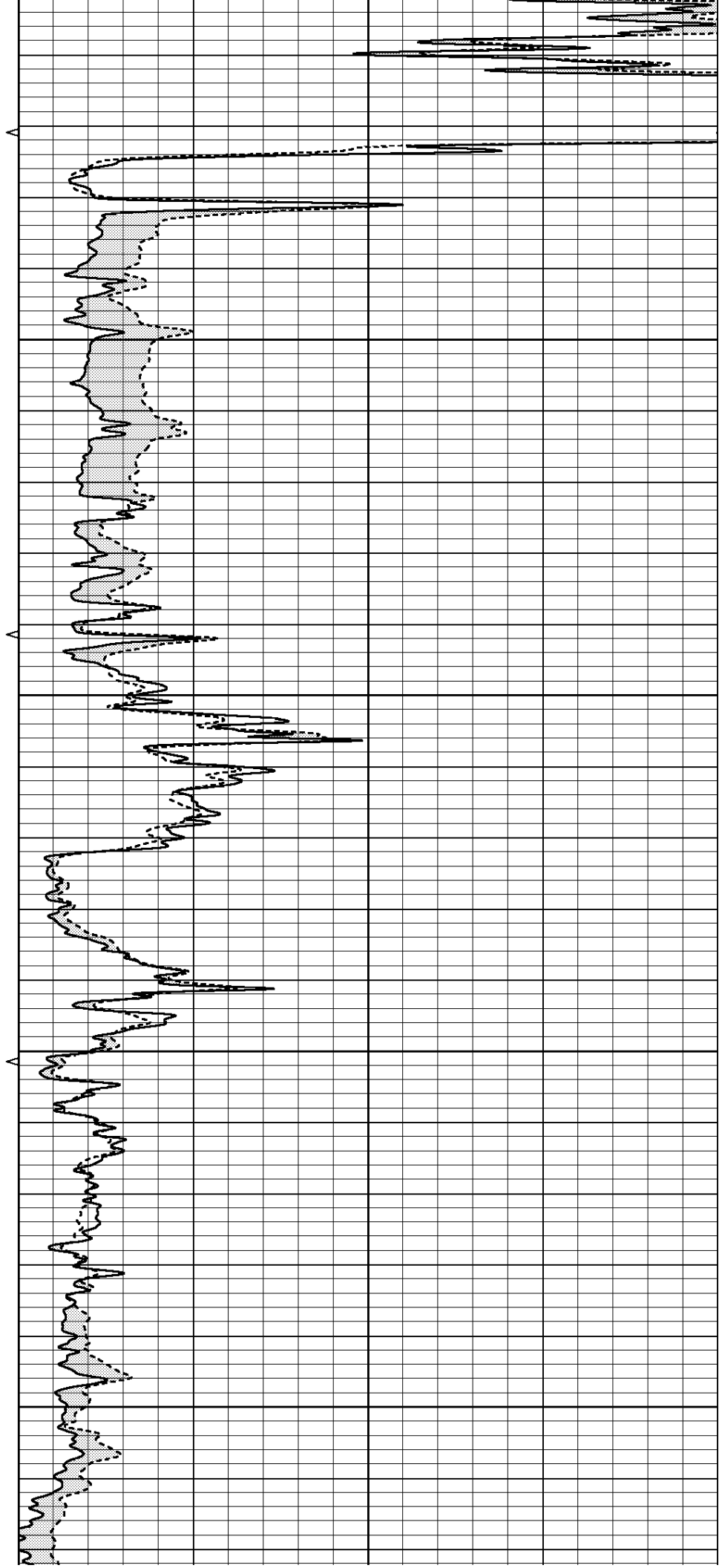


5200

5250

5300

5350



[illegible]

Calibration Report

Database File: 25893pe.db
Dataset Pathname: pass6.1
Dataset Creation: Sat Oct 11 02:24:04 2014 by Calc SOC 120430

MICRO Calibration Report

Serial Number: 070911
Tool Model: ProbeN
Performed: Wed Sep 03 16:51:01 2014

Caliper Calibration:	Gain=3.517	Offset=3.213
	Low Cal	High Cal
References	8.000	15.000
Readings	1.361	3.352

1.5" Calibration:	Gain=34.000	Offset=-0.500
	Low Cal	High Cal
References	0.000	20.000
Readings	0.001	1.269

2" Calibration:	Gain=55.000	Offset=-1.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.002	1.101

Gamma Ray Calibration Report

Serial Number: 070559
Tool Model: OPEN_GR
Performed: Tue Sep 16 23:07:37 2014

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2000	GAPI/cps