



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company		CHIEFTAIN OIL COMPANY, INC.	
Well		MOLZ #22	
Field		STRANATHAN	
County		BARBER	
State		KANSAS	
Location:		API # : 15-007-24102-0000 2004' FNL & 579' FEL	
SEC 10 TWP 35S RGE 12W Permanent Datum Log Measured From Drilling Measured From		GROUND LEVEL Elevation 1396 KELLY BUSHING 10' A.G.L. KELLY BUSHING	
Date		11/4/13	
Run Number		TWO	
Depth Driller		5621	
Depth Logger		5621	
Bottom Logged Interval		5603	
Top Log Interval		3700	
Casing Driller		8 5/8" @ 312'	
Casing Logger		310	
Bit Size		7 7/8	
Type Fluid in Hole		CHEMICAL MUD	
Density / Viscosity		9.4/59	
pH / Fluid Loss		9.5/7.8	
Source of Sample		FLOWLINE	
Rim @ Meas. Temp		.80 @ 83F	
Rmf @ Meas. Temp		.60 @ 83F	
Rmc @ Meas. Temp		.96 @ 83F	
Source of Rmf / Rmc		MEASURED	
Rim @ BHT		.50 @ 131F	
Time Circulation Stopped		3 HOURS	
Time Logger on Bottom			
Maximum Recorded Temperature		131F	
Equipment Number		680	
Location		HAYS, KS.	
Recorded By		JASON CAPPELLUCCI	
Witnessed By		ARDEN RATZLAFF	

<<< Fold Here >>>

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 COMPLETION & PRODUCTION SVCS. (785) 628-6395

DIRECTIONS:
HARDTNER, KS. - 2 MILES EAST - NORTH INTO

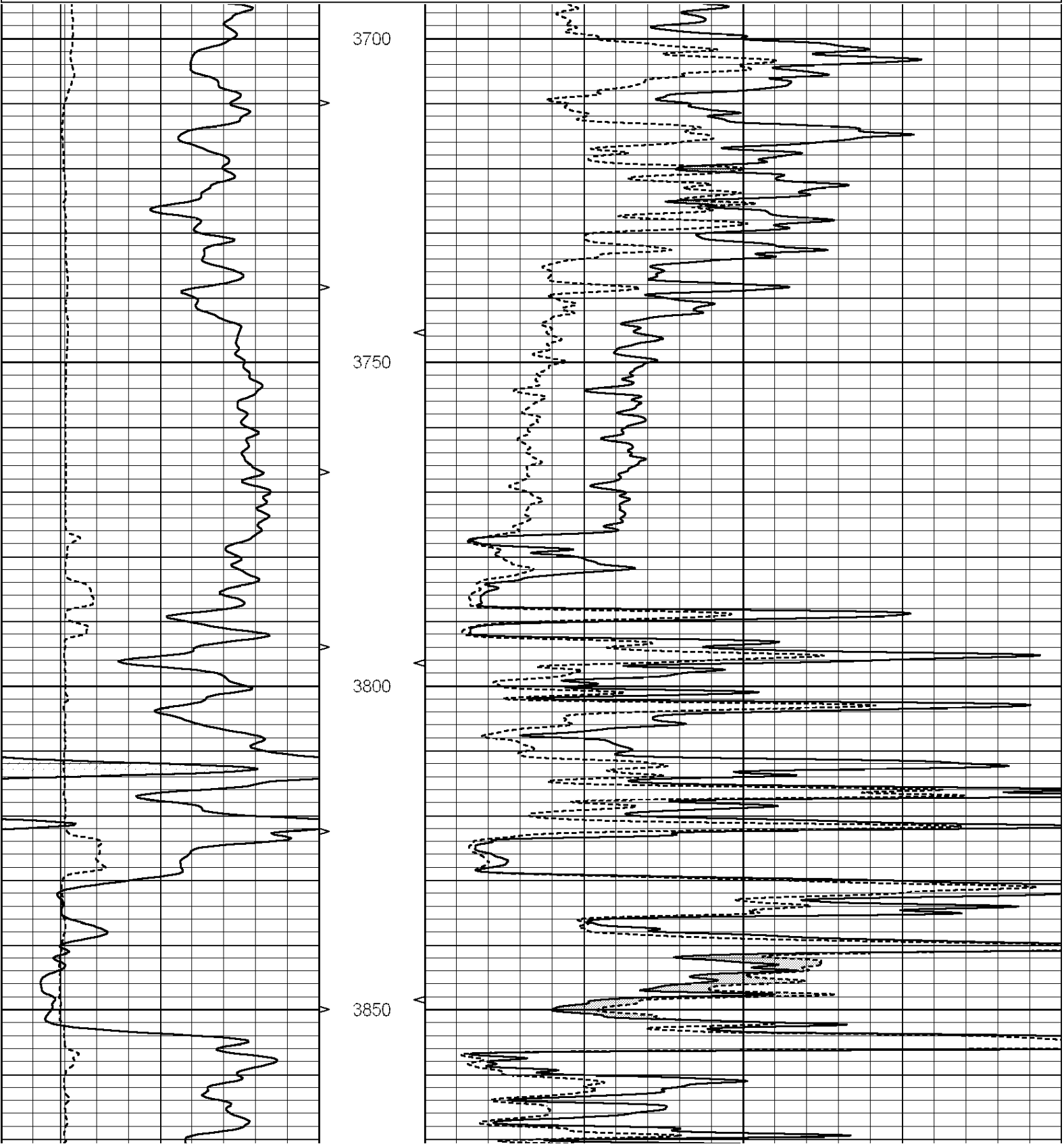


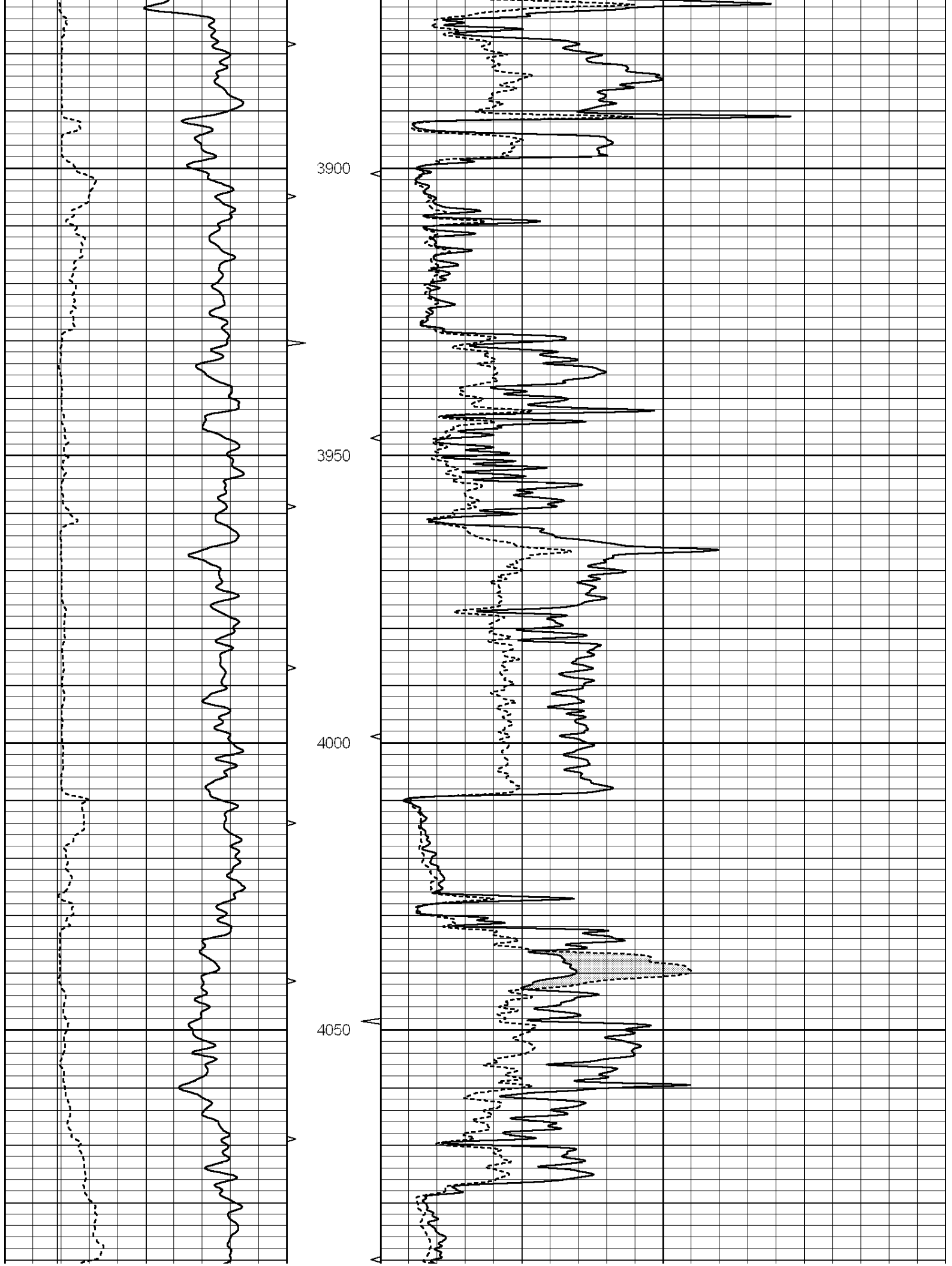
NABORS
COMPLETION
& PRODUCTION

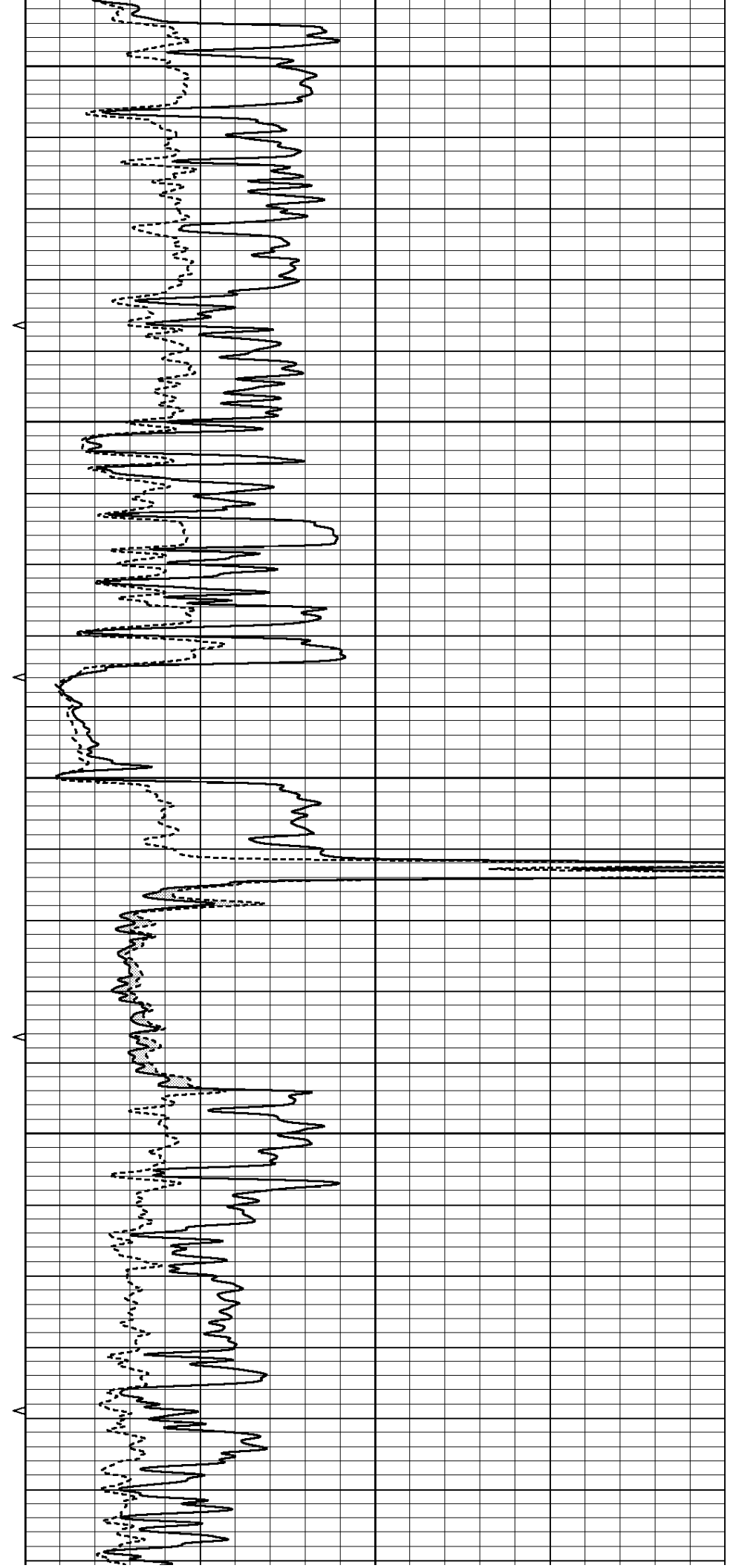
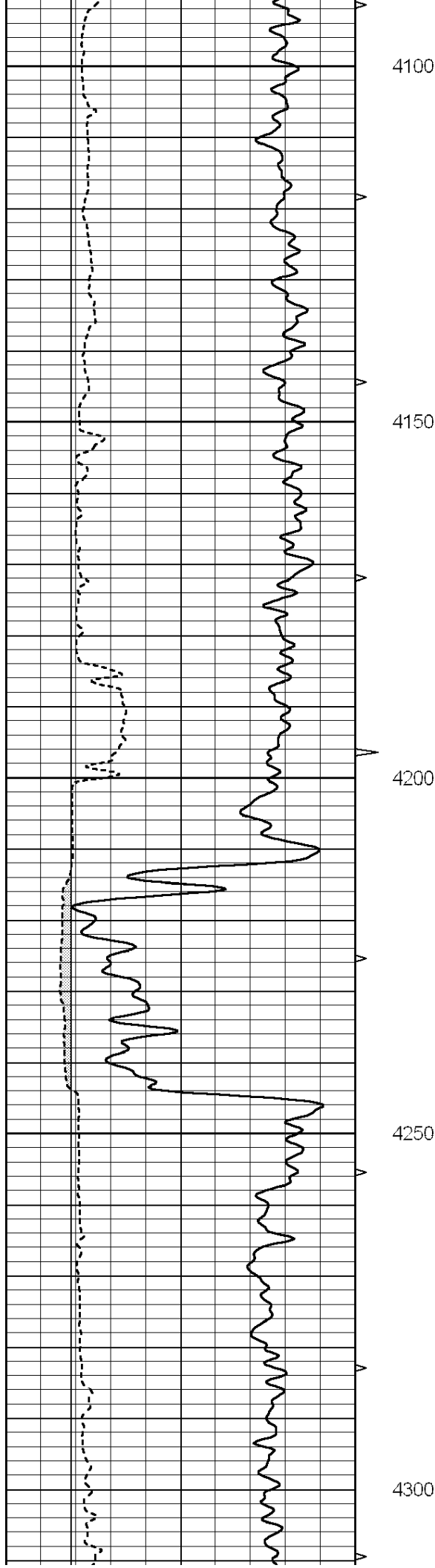
MAIN SECTION

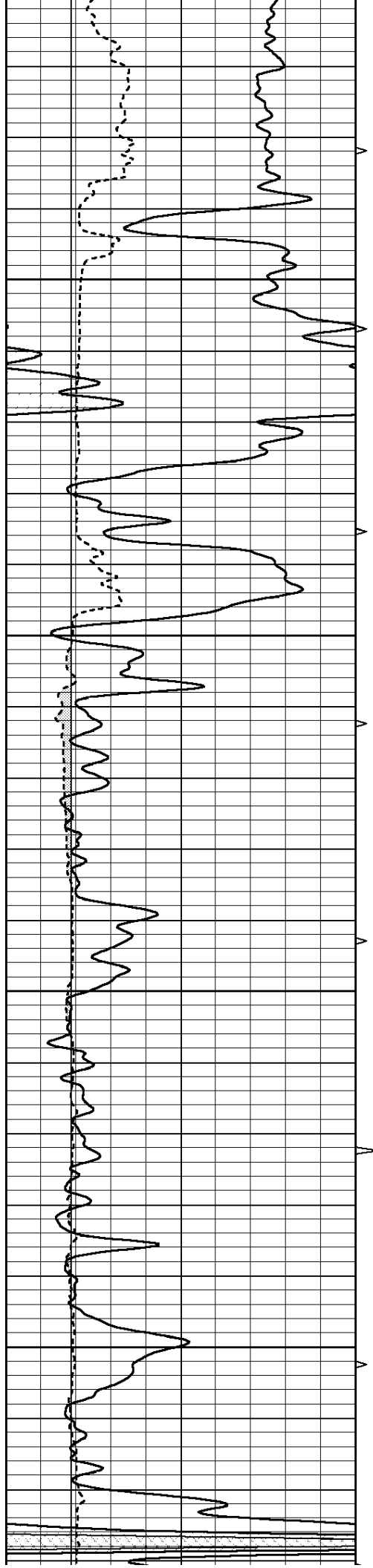
Database File: 012083pe.db
Dataset Pathname: pass6.1
Presentation Format: _micro
Dataset Creation: Mon Nov 04 22:18:59 2013 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)	10		







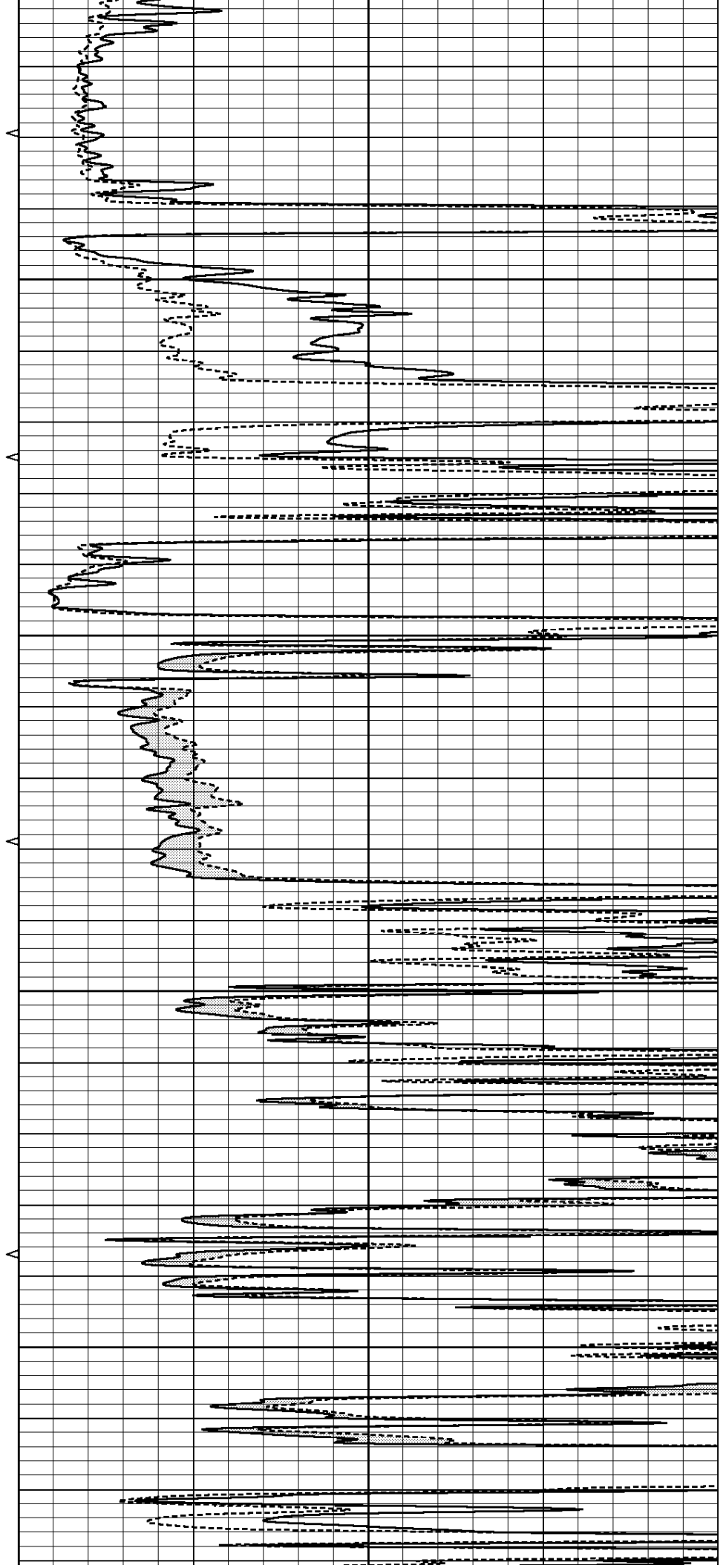


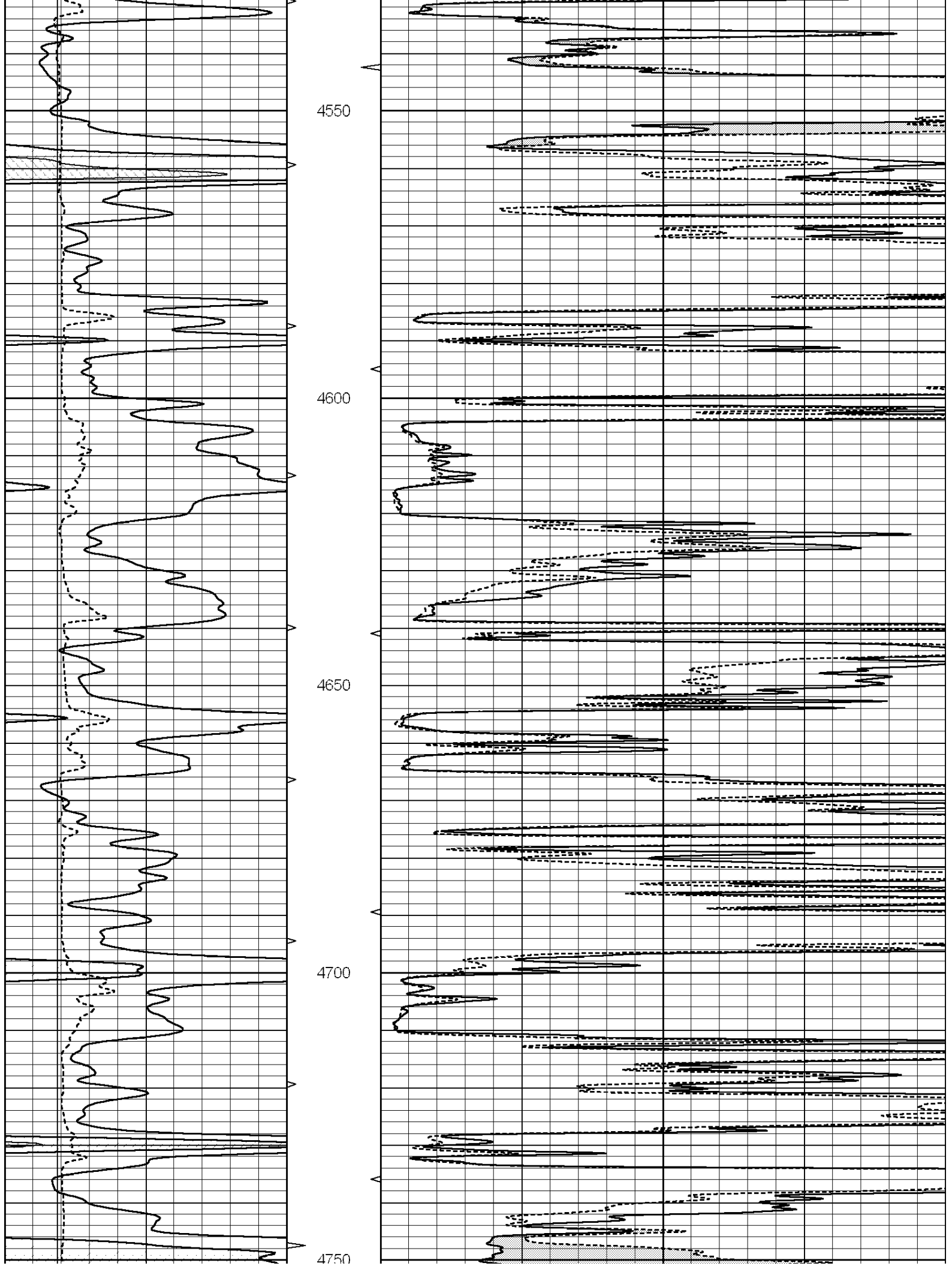
4350

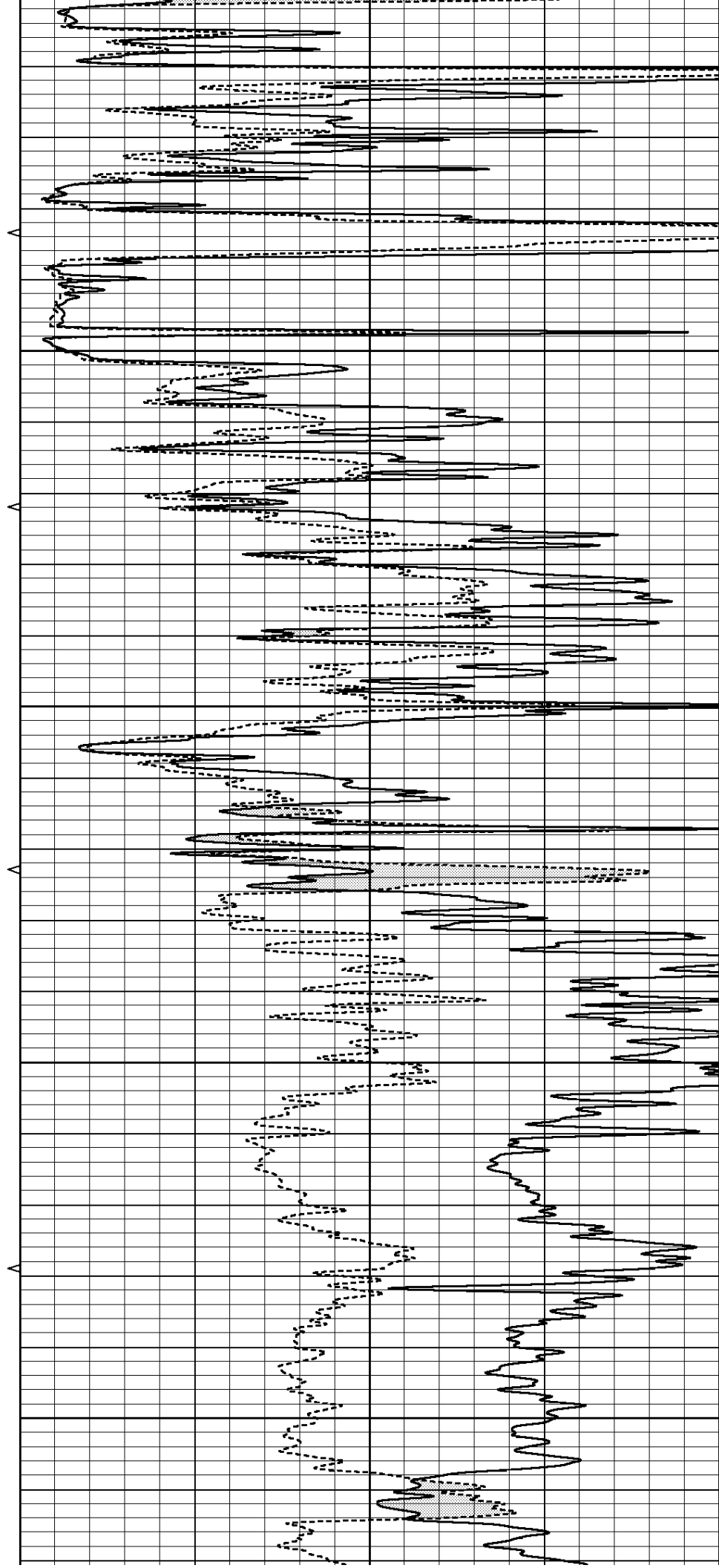
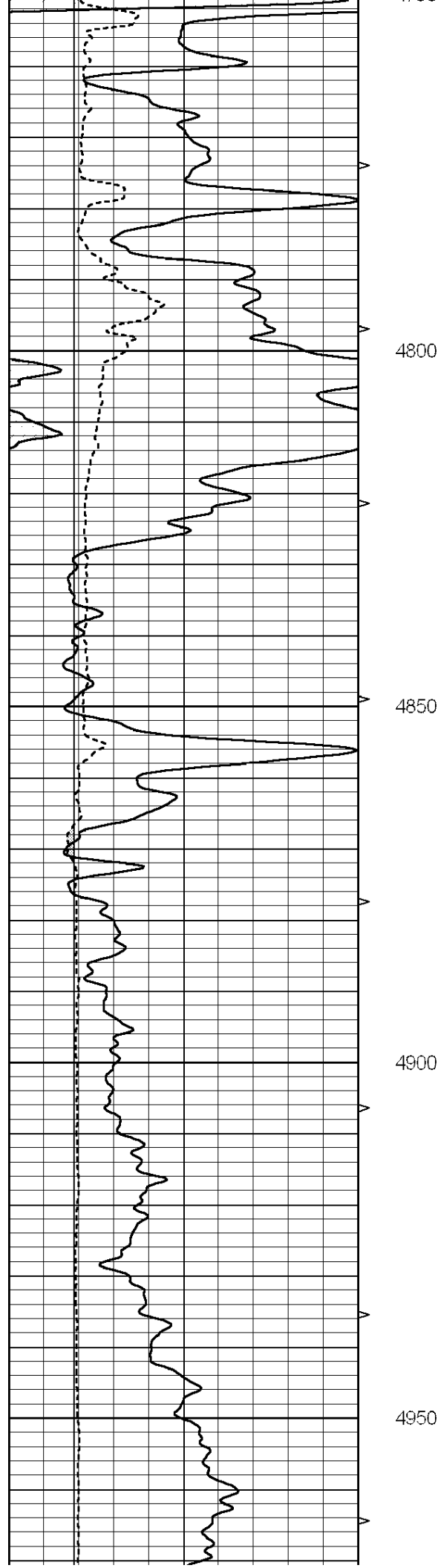
4400

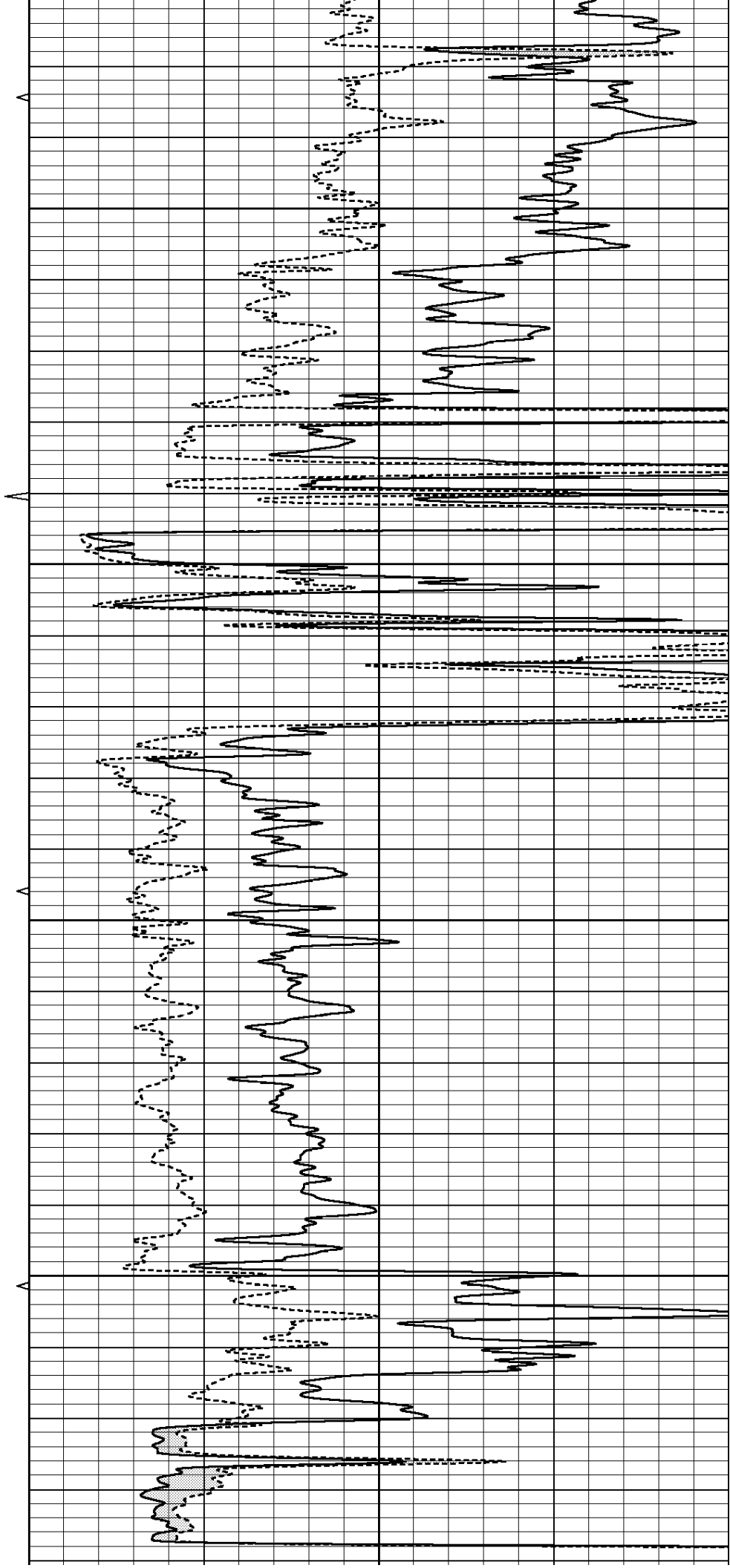
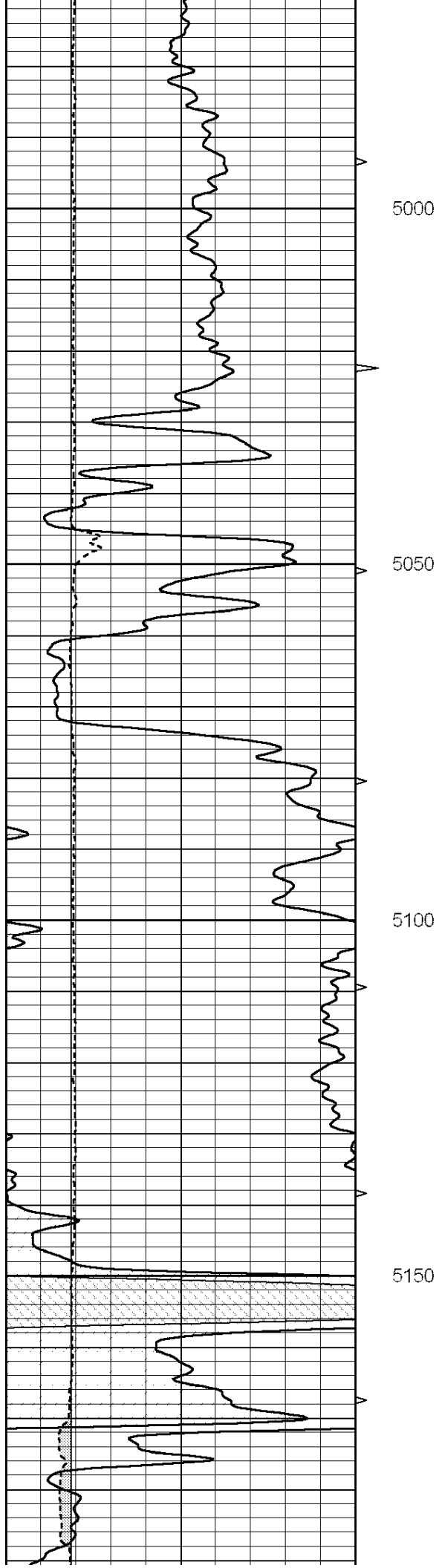
4450

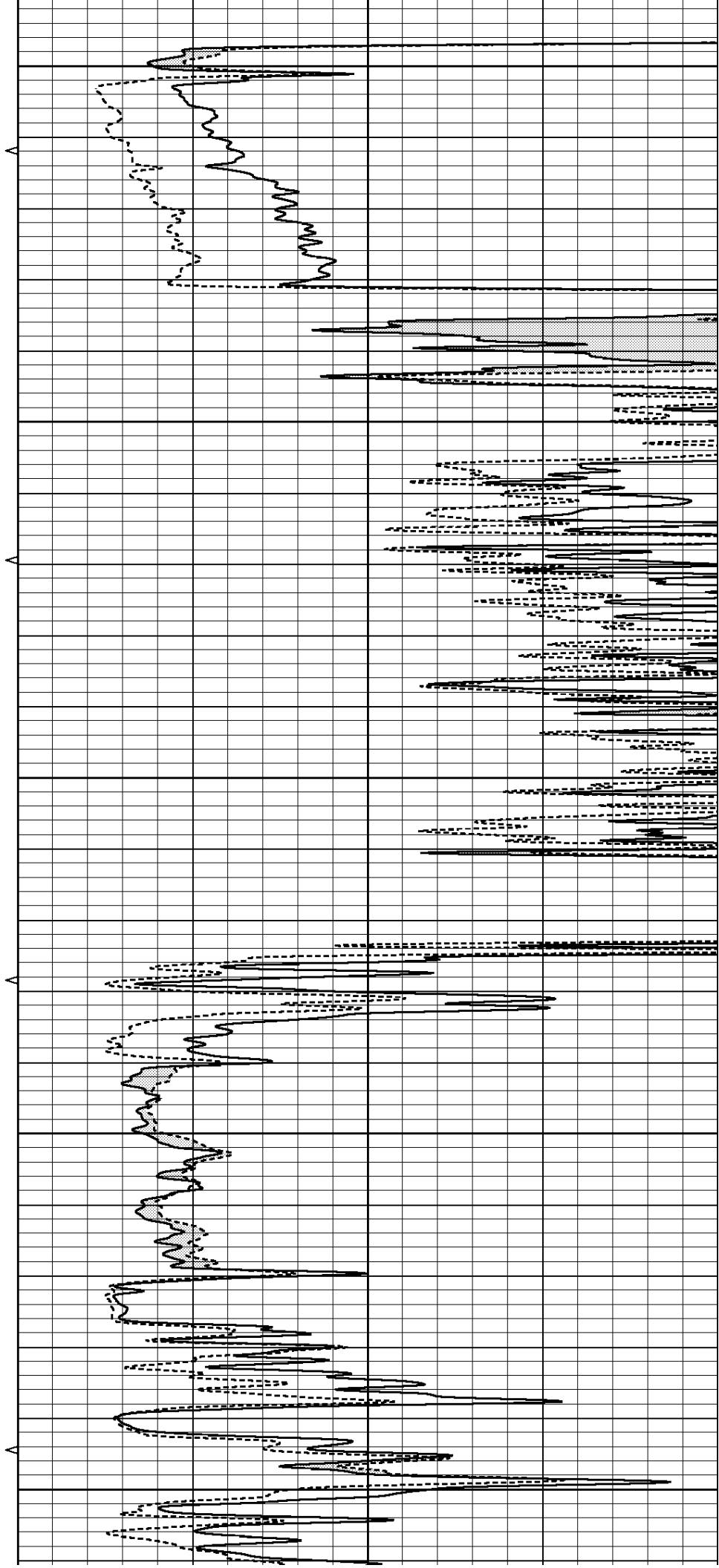
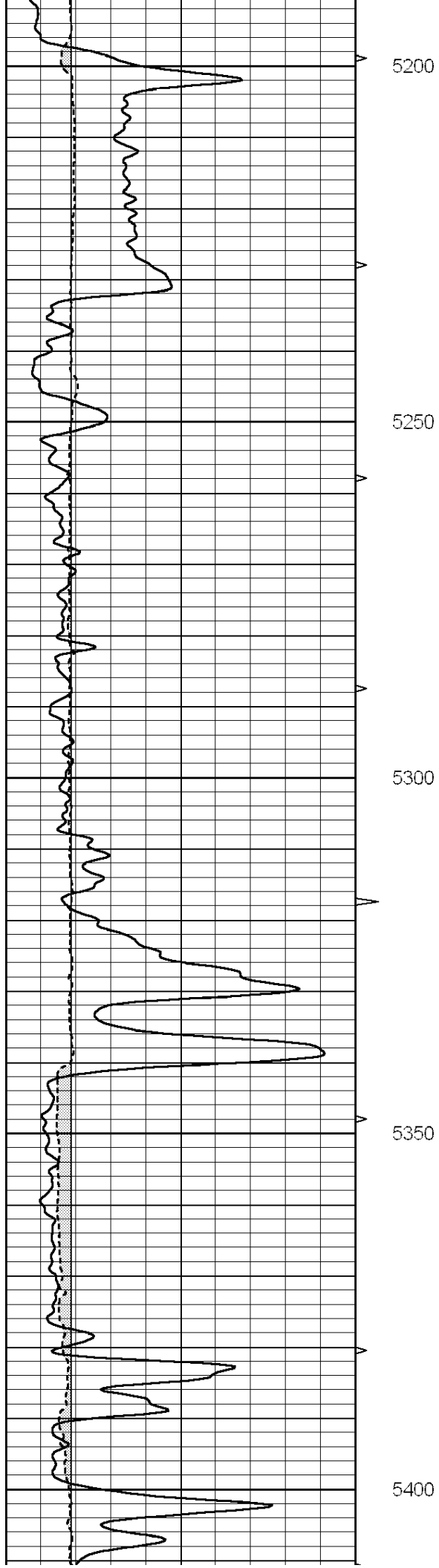
4500

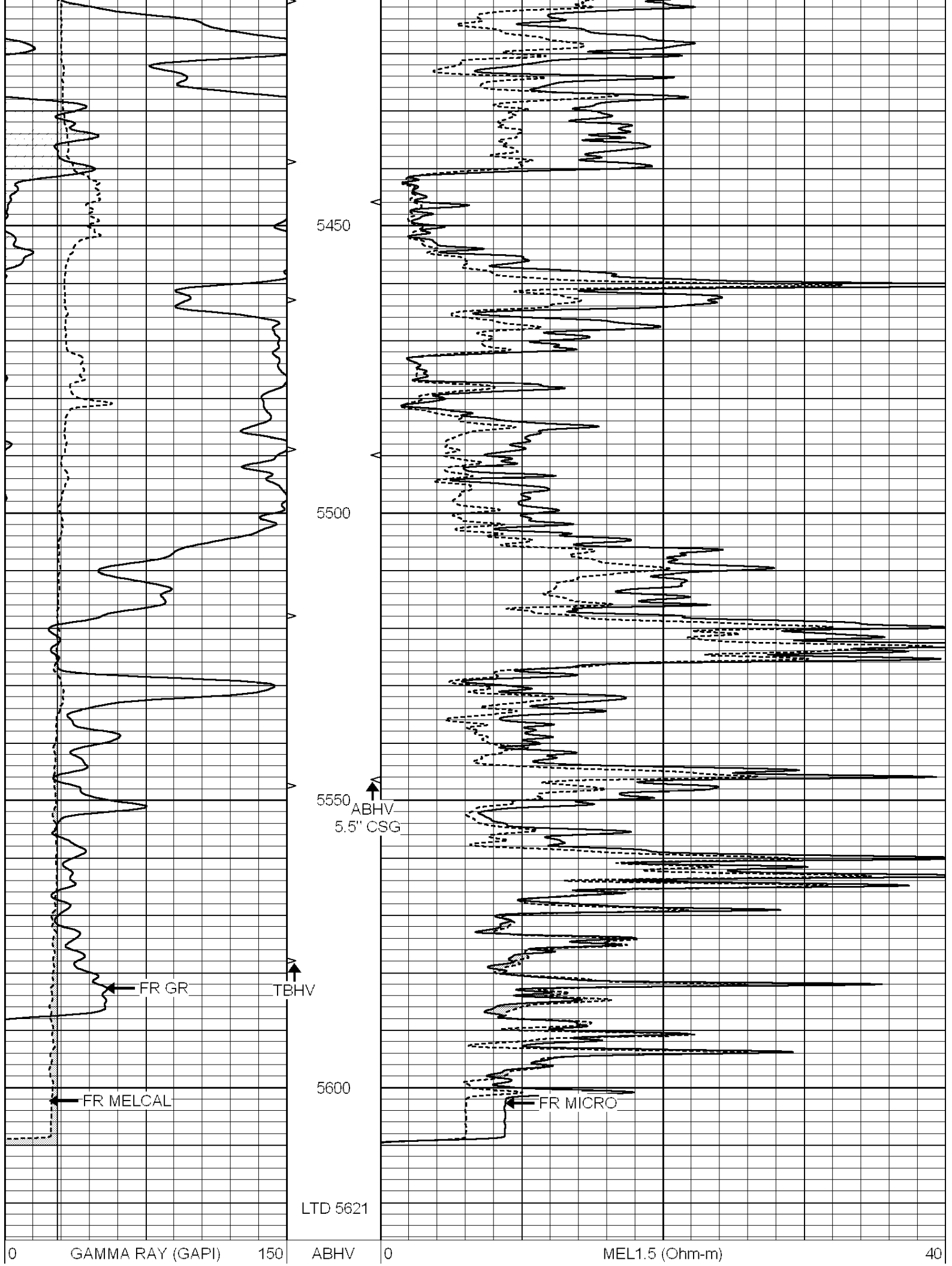












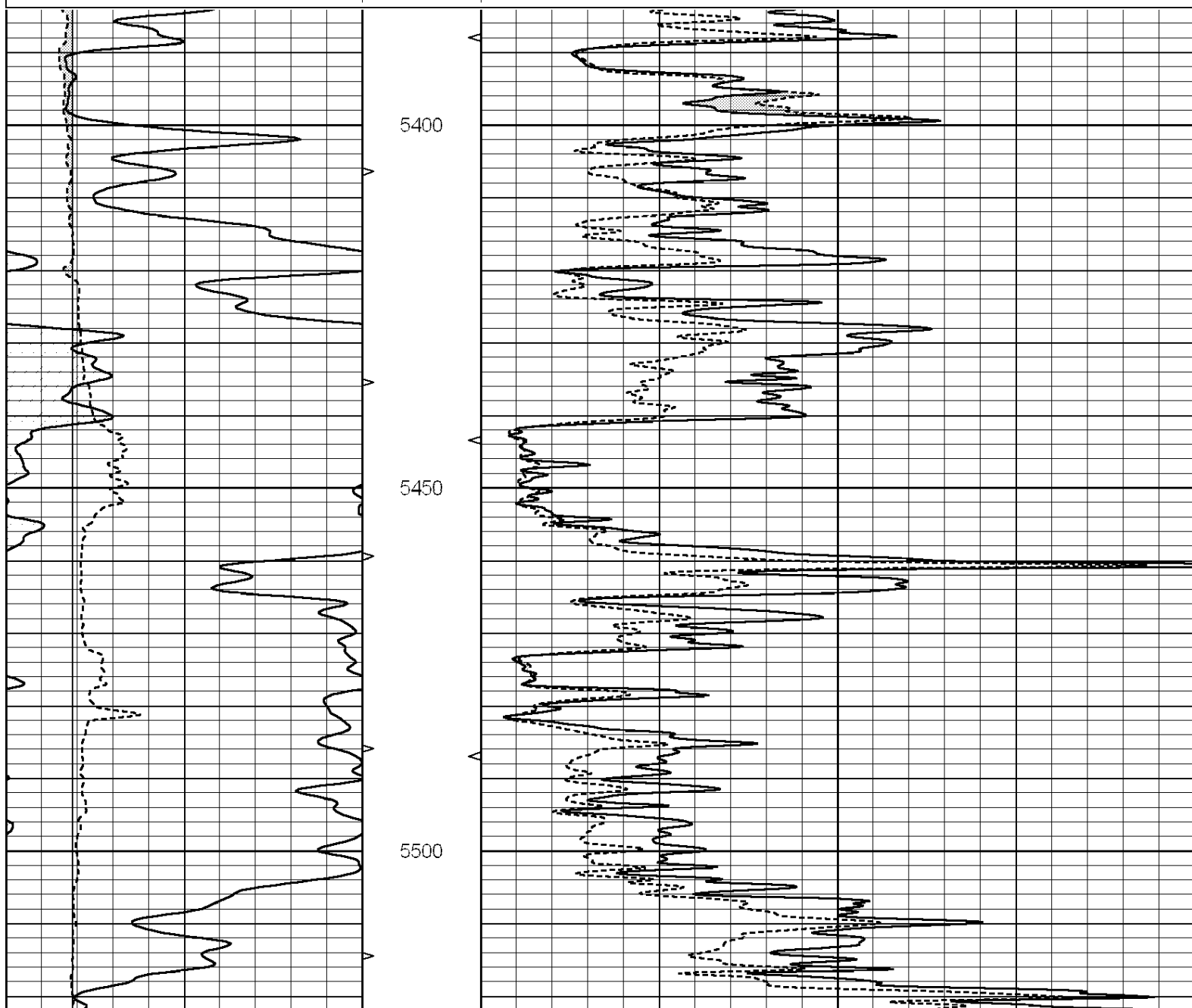
6	CALIPER (in)	16	10 (ft3)	0	0	MEL2.0 (Ohm-m)	40
		TBHV					
		0 (ft3)		10			

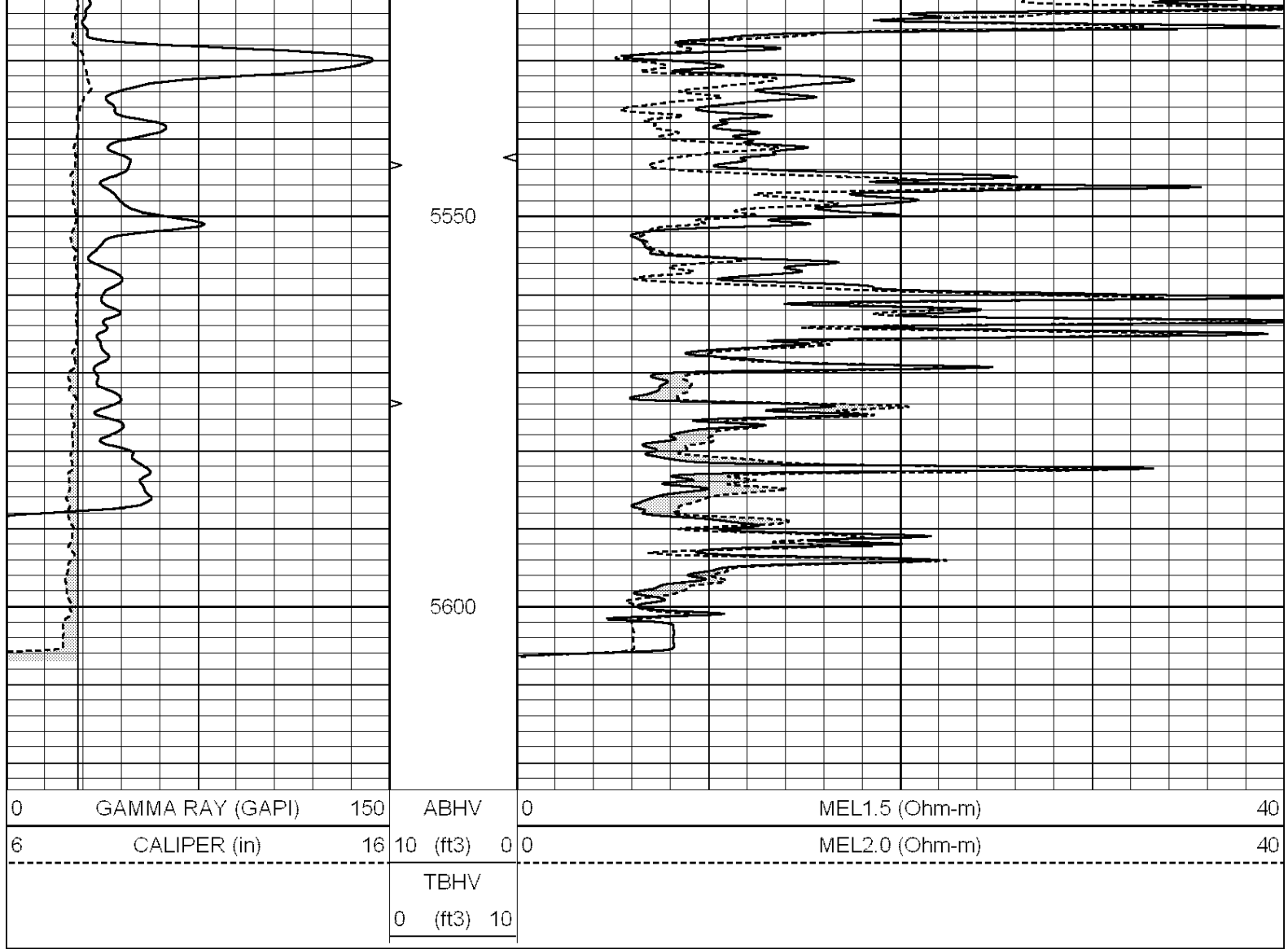


REPEAT SECTION

Database File: 012083pe.db
 Dataset Pathname: pass5.1
 Presentation Format: _micro
 Dataset Creation: Mon Nov 04 21:52:56 2013 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	0	MEL2.0 (Ohm-m)	40
		TBHV					
		0 (ft3)		10			





Calibration Report

Database File: 012083pe.db
 Dataset Pathname: pass5.1
 Dataset Creation: Mon Nov 04 21:52:56 2013 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO6	
Tool Model:	PROBE	
Performed:	Sun Jun 16 11:26:16 2013	
Caliper Calibration:	Gain=5.542	Offset=-1.270
References	Low Cal	High Cal
Readings	8.000	14.000
	1.431	2.513
1.5" Calibration:	Gain=45.075	Offset=-0.700
References	Low Cal	High Cal
Readings	0.000	20.000
	0.004	1.196
2" Calibration:	Gain=55.041	Offset=-0.600
References	Low Cal	High Cal
Readings	0.000	20.000
	0.006	0.913

Gamma Ray Calibration Report

Serial Number:	GR6	
Tool Model:	OPEN	
Performed:	Thu Mar 10 03:46:42 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	3.2000	GAPI/cps