SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

MICRO LOG

Company GRAND MESA OPERATING COMPANY
Well PHELPS #3-17
Field DICKMAN
County NESS State KANSAS
Location: API # : 15-135-25336-0000
2263' FSL & 2310' FEL
S/2-NW-NW-SE
SEC 17 TWP 17S RGE 24W
Permanent Datum GROUND LEVEL Elevation 2461
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL/PE
DIL

Elevation
K.B. 2466
D.F. 2464
G.L. 2461

Date	1/12/12		
Run Number	TWO		
Depth Driller	4626		
Depth Logger	4631		
Bottom Logged Interval	4629		
Top Log Interval	3600		
Casing Driller	8 5/8" @ 222		
Casing Logger	220		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6400 PPM	
Density / Viscosity	9.3/56		
pH / Fluid Loss	10.5/6.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.1 @ 53F		
Rmf @ Meas. Temp	.82 @ 53F		
Rmc @ Meas. Temp	1.32 @ 53F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.48 @ 121F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	121F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	KENT MATSON		

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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 SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
RANSOM, KS. - 3 W. TO N RD. - 4 S. - W. & S. INTO

SUPERIOR WELL SERVICES

SUPERIOR
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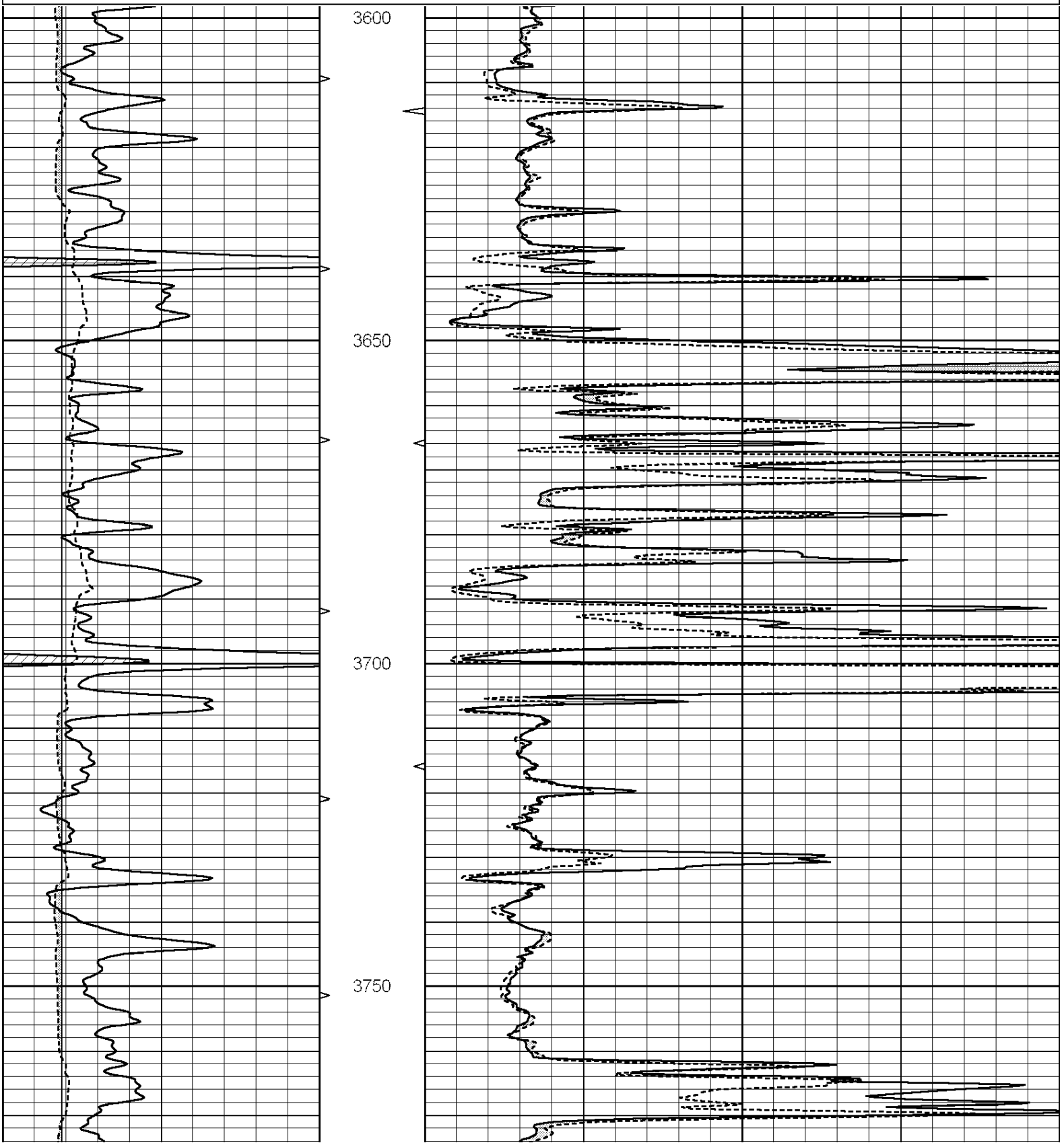
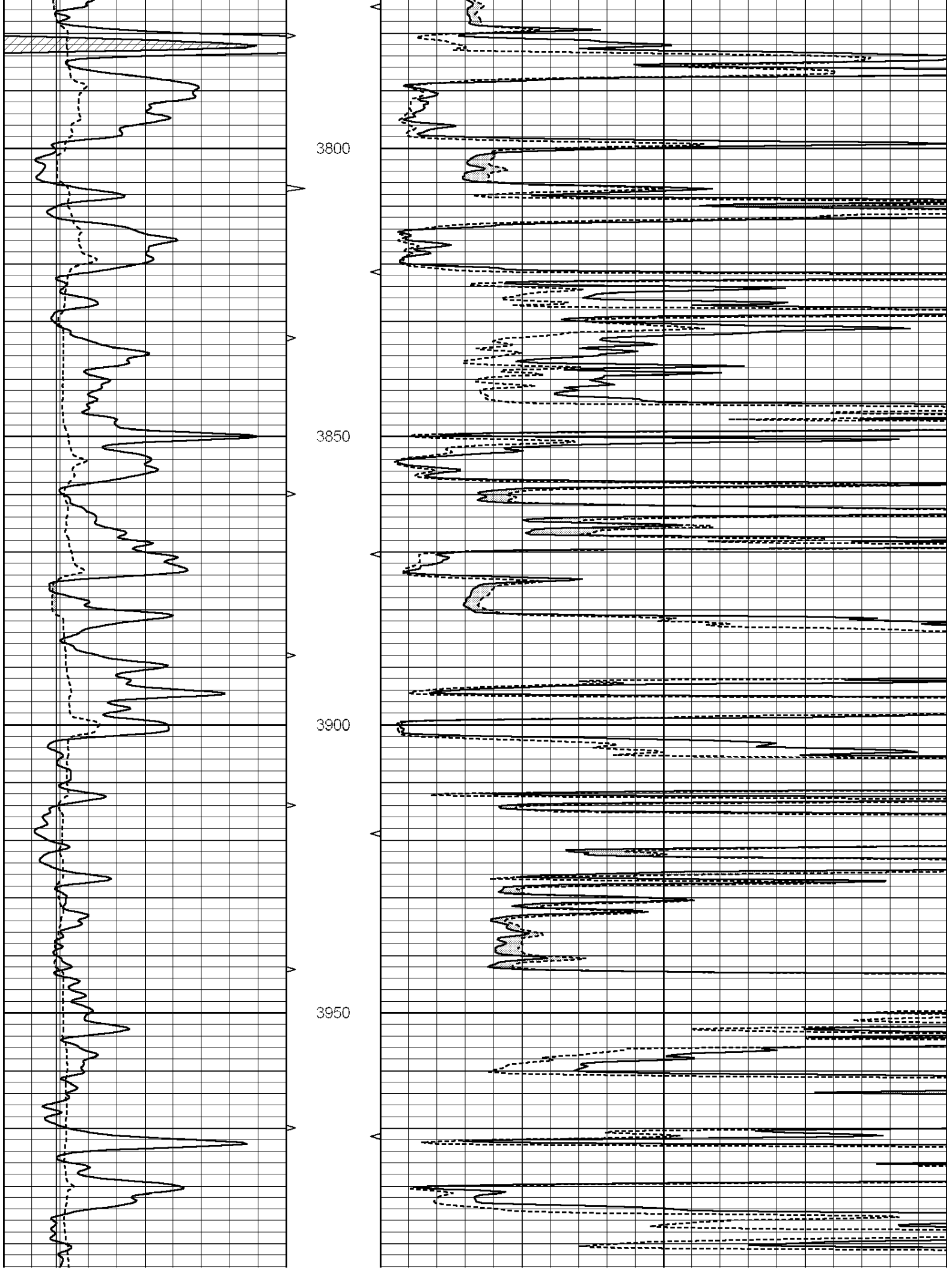
MAIN SECTION

Database File:	008671pe.db
Dataset Pathname:	pass6.1
Presentation Format:	_micro
Dataset Creation:	Thu Jan 12 13:31:53 2012 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	

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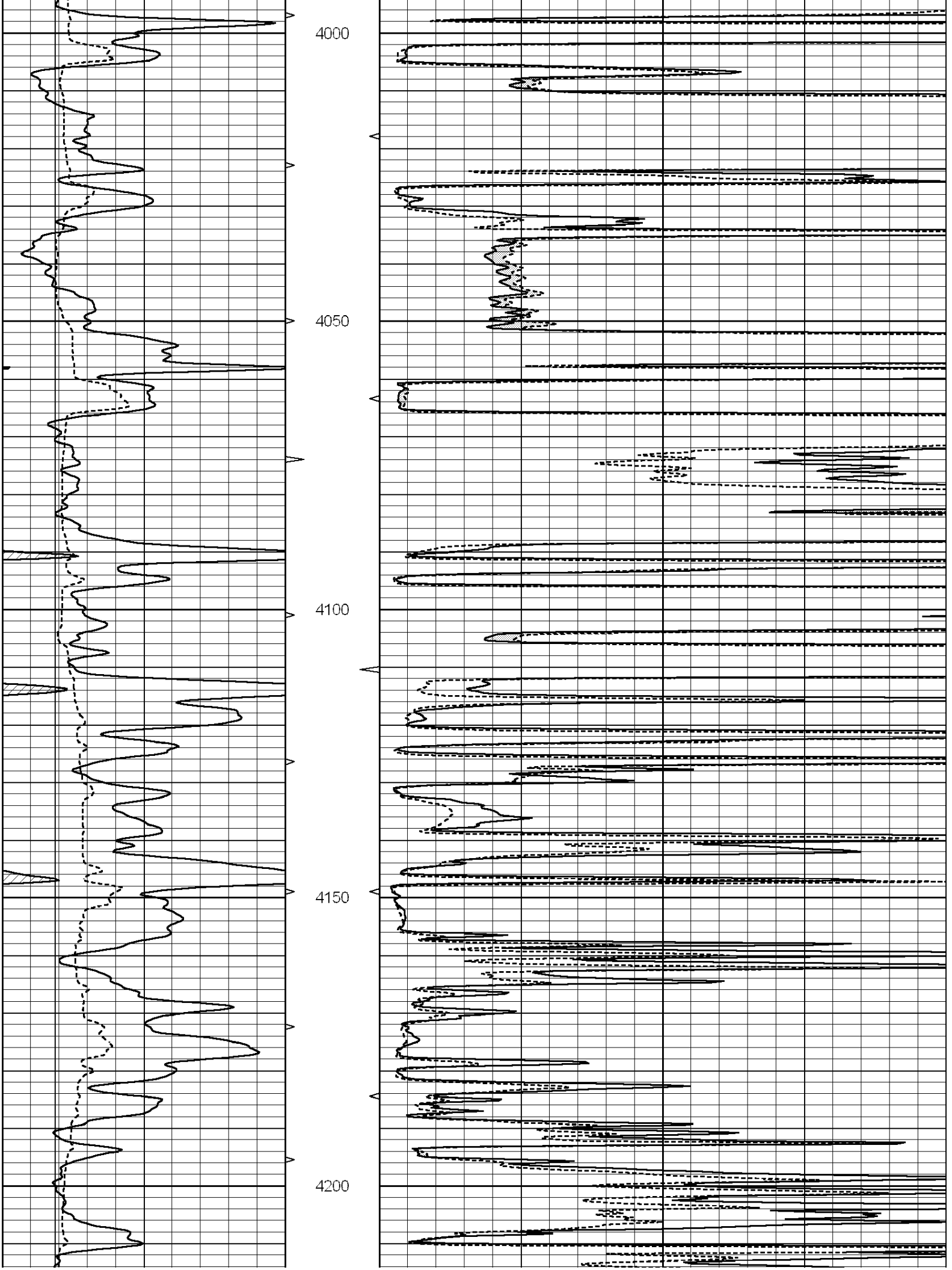
3850
3900
3950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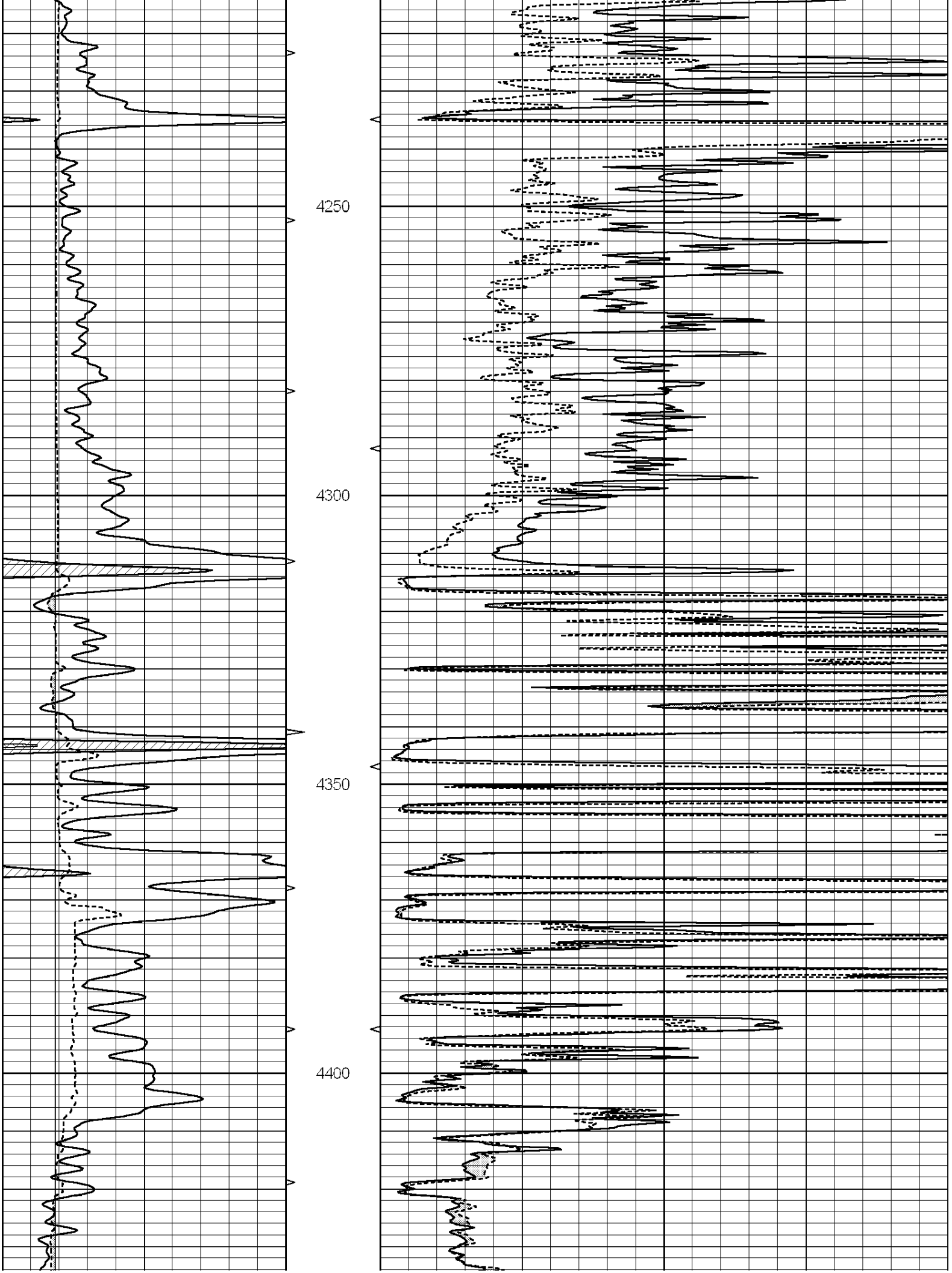
4050
4100
4150
4200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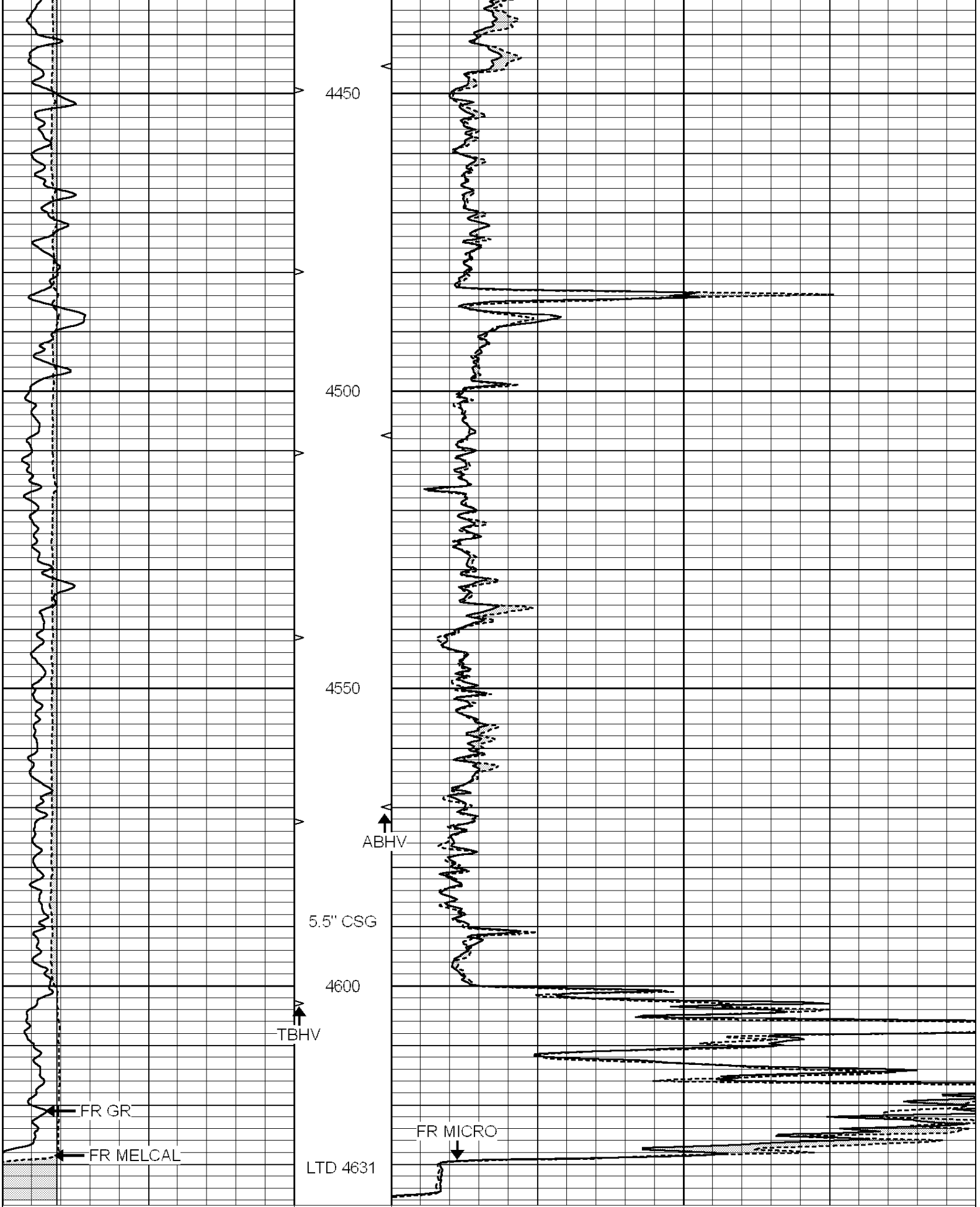
4300
4350
4400


4450
4500
4550
ABHV
5.5" CSG
4600
TBHV
FR GR
FR MELCAL
FR MICRO
LTD 4631
0 GAMMA RAY (GAPI) 150
6 CALIPER (in) 16
ABHV
10 (ft3) 0
TBHV
0 (ft3) 10
0 MEL1.5 (Ohm-m) 40
0 MEL2.0 (Ohm-m) 40

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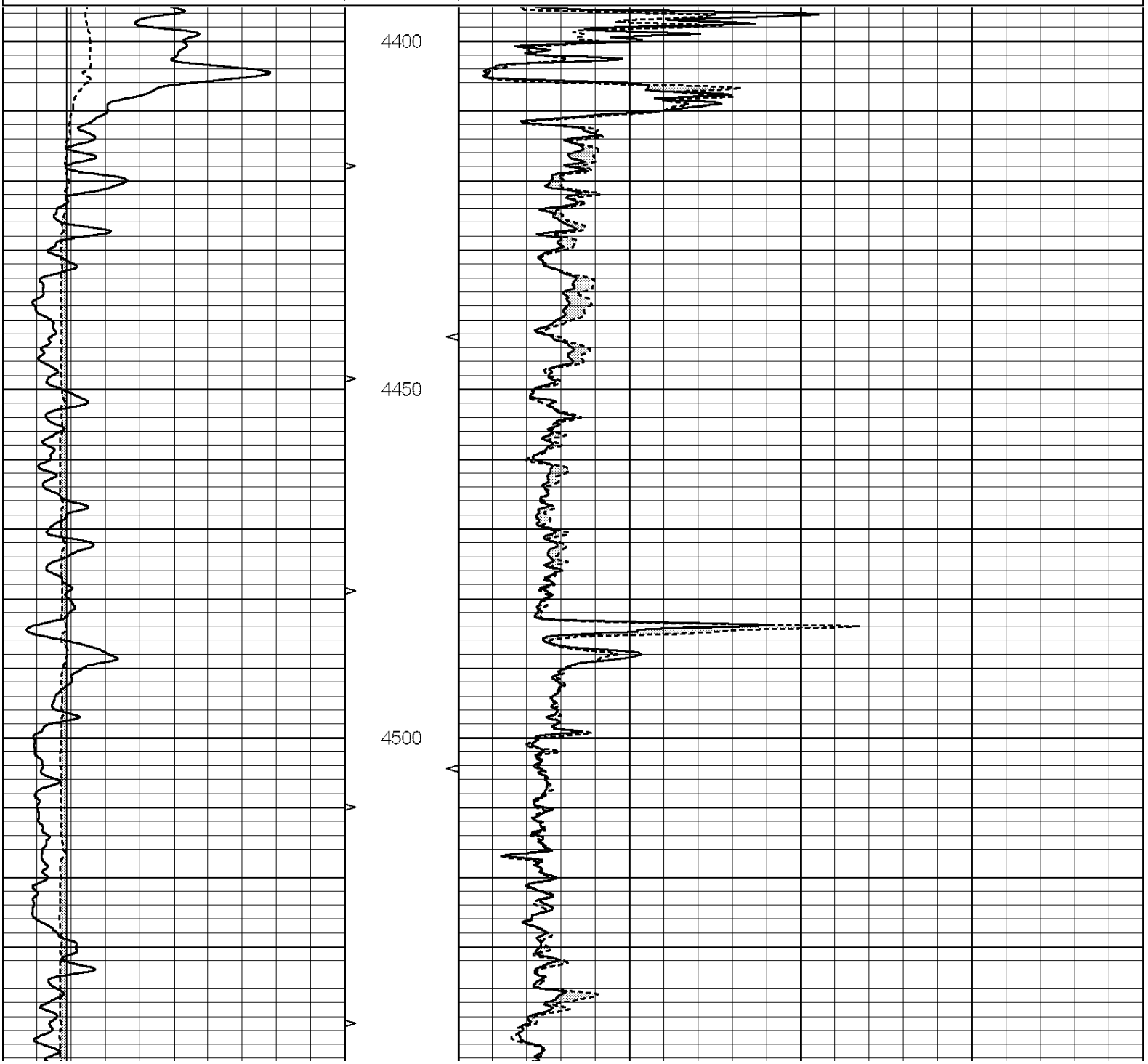
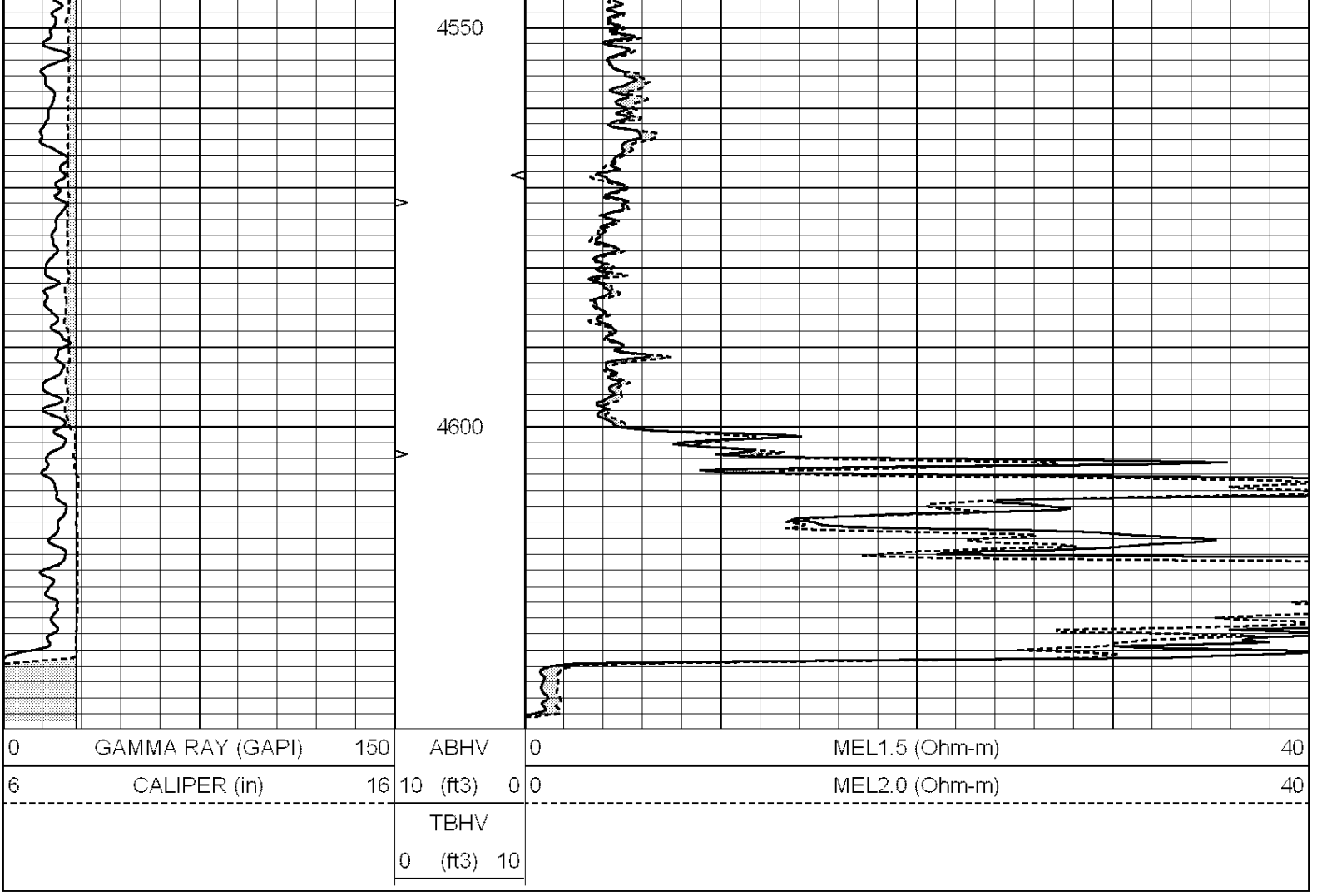
REPEAT SECTION

Database File:	008671pe.db
Dataset Pathname:	pass5.2
Presentation Format:	_micro
Dataset Creation:	Thu Jan 12 13:22:15 2012 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			





Calibration Report

Database File: 008671pe.db
Dataset Pathname: pass5.2
Dataset Creation: Thu Jan 12 13:22:15 2012 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO3
Tool Model: PROBE
Performed: Thu Nov 17 03:06:31 2011

Caliper Calibration: Gain=3.916 Offset=-9.171

	Low Cal	High Cal
References	8.000	14.000
Readings	4.257	5.789

1.5" Calibration: Gain=130.000 Offset=-0.700

	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	0.228

2" Calibration: Gain=130.553 Offset=-1.220

	Low Cal	High Cal
References	0.000	20.000
Readings	0.005	0.175

Gamma Ray Calibration Report

Serial Number: #8

Tool Model:	OPEN	
Performed:	Mon Jun 13 16:56:43 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8371	GAPI/cps