SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

MICRO LOG

Company	ATLAS OPERATING, LLC.
Well	GARDEN CITY #26-19
Field	DAMME
County	FINNEY
State	KANSAS

Company ATLAS OPERATING, LLC.

Well GARDEN CITY #26-19

Field DAMME

County FINNEY State KANSAS

Location: API # : 15-055-22144-0000

1650' FNL & 1650' FEL

SEC 19 TWP 22S RGE 33W

Permanent Datum GROUND LEVEL Elevation 2900

Log Measured From KELLY BUSHING 8' A.G.L.

Drilling Measured From KELLY BUSHING

Other Services: CDL/CNL/PE, DIL

Elevation: K.B. 2908, D.F. 2906, G.L. 2900

Date	6/4/12		
Run Number	TWO		
Depth Driller	4950		
Depth Logger	4971		
Bottom Logged Interval	4969		
Top Log Interval	3400	2650-2450	
Casing Driller	8 5/8"@342'		
Casing Logger	340		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2,500 PPM	
Density / Viscosity	9.3/56		
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.950@70F		
Rmf @ Meas. Temp	.713@70F		
Rmc @ Meas. Temp	1.14@70F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.532@125F		
Time Circulation Stopped	6 HOURS		
Time Logger on Bottom	9:45 A.M.		
Maximum Recorded Temperature	125F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	PAT DEENIHAN		

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Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395

DIRECTIONS

GARDEN CITY, KS. (HWY 83 & 400 JUNCTION) 6W. TO "BIG LOWE RD."(HOLCOMB, KS. EXIT) 8 1/2N., 1/2E. INTO AFTER TANK BATTERY, THEN N. & E. AGAIN

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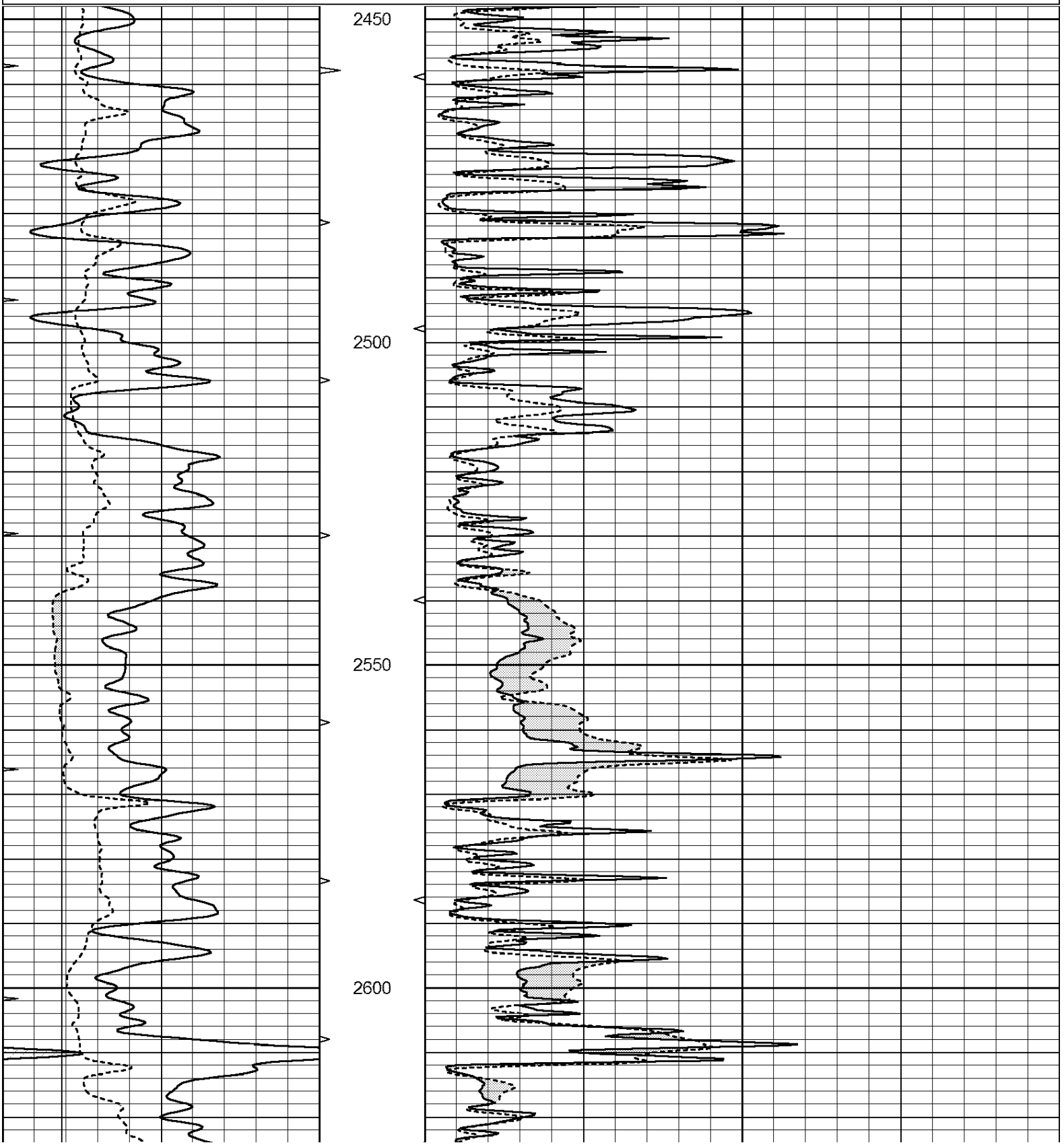
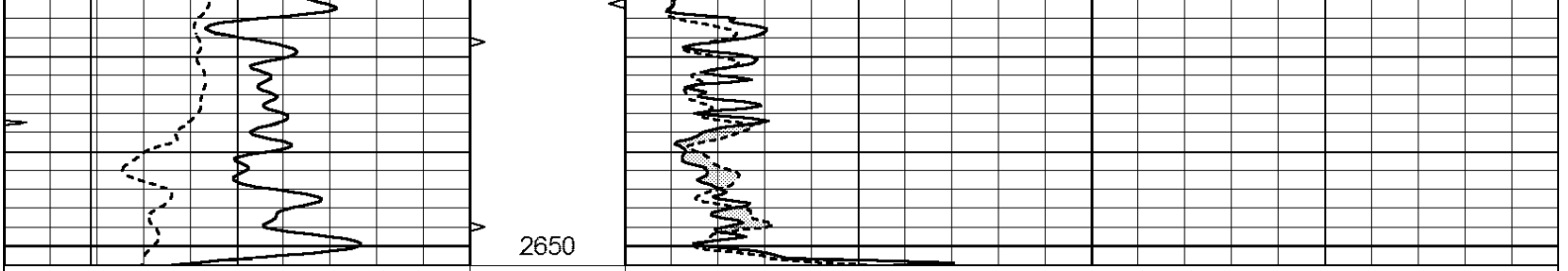
UPPER SECTION

Database File:	409134pe.db
Dataset Pathname:	pass7.2
Presentation Format:	micro
Dataset Creation:	Mon Jun 04 13:59:08 2012 by Calc Open-Cased 110302
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
0	MINMK 20		TBHV		
		0	(ft3) 10		





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
0	MINMK	20	TBHV				
			0 (ft3)	10			

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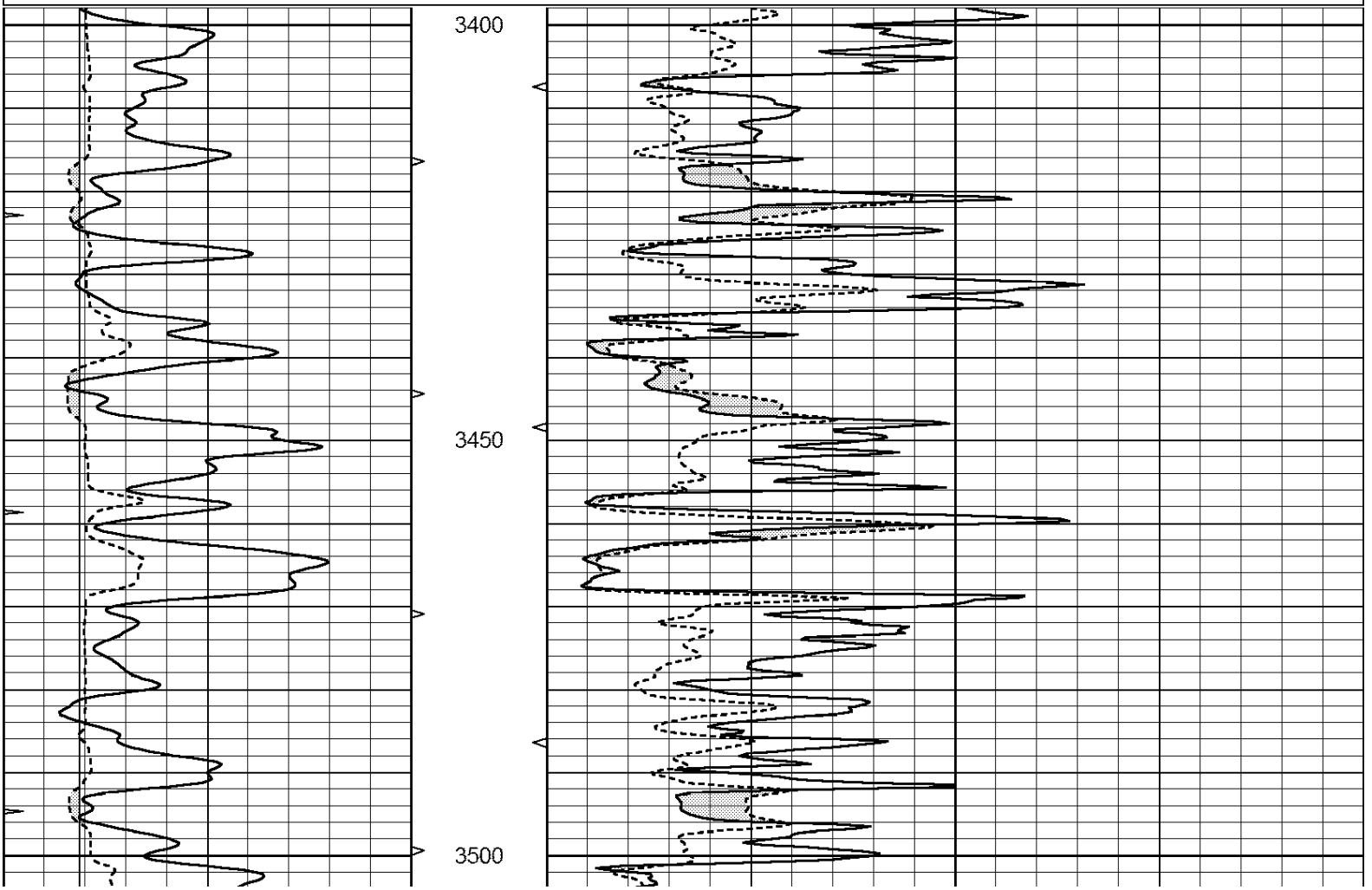
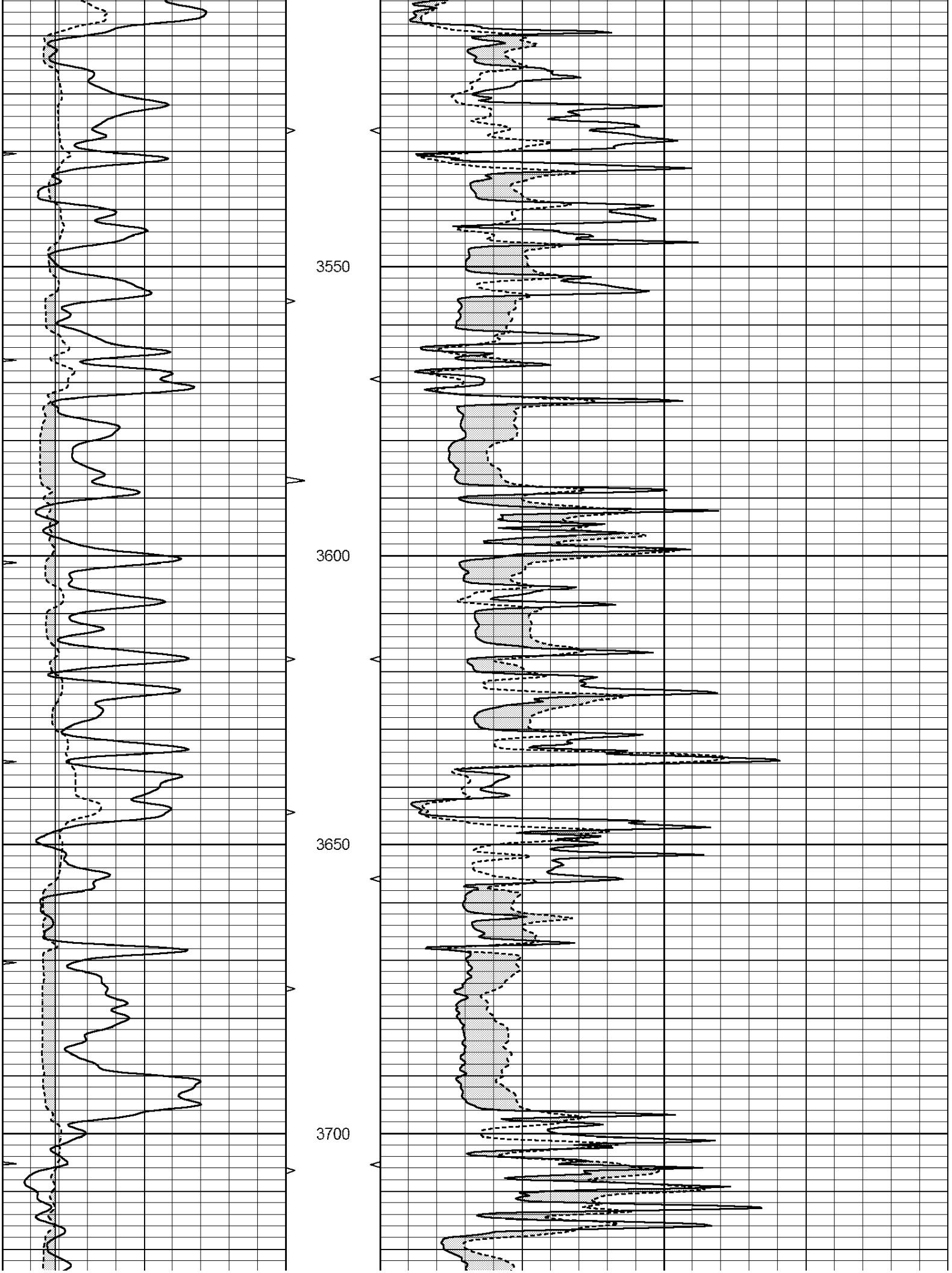
MAIN SECTION

Database File:	409134pe.db
Dataset Pathname:	pass6.11
Presentation Format:	micro
Dataset Creation:	Mon Jun 04 14:33:39 2012 by Calc Open-Cased 110302
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
0	MINMK	20	TBHV				
			0 (ft3)	10			

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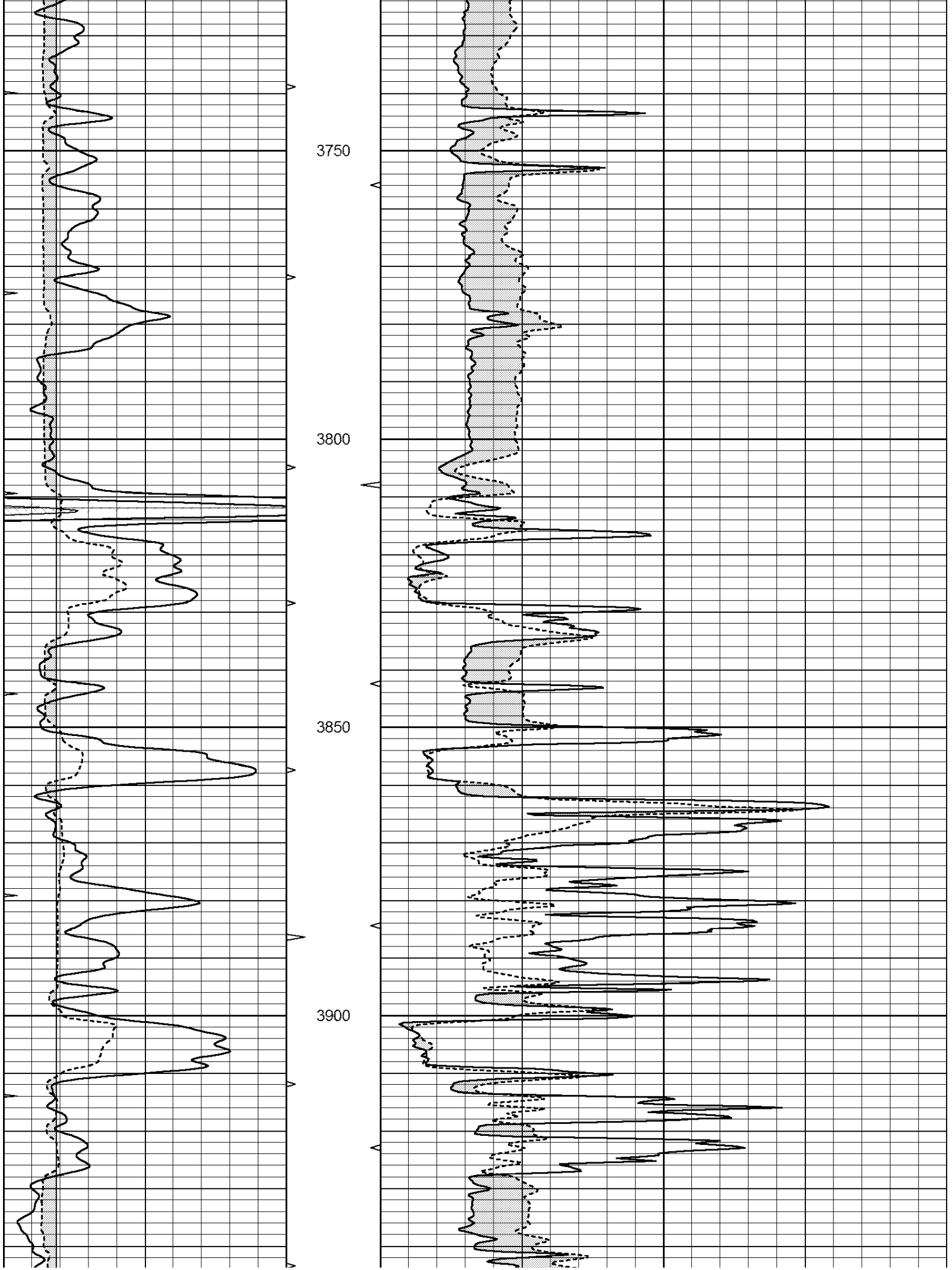
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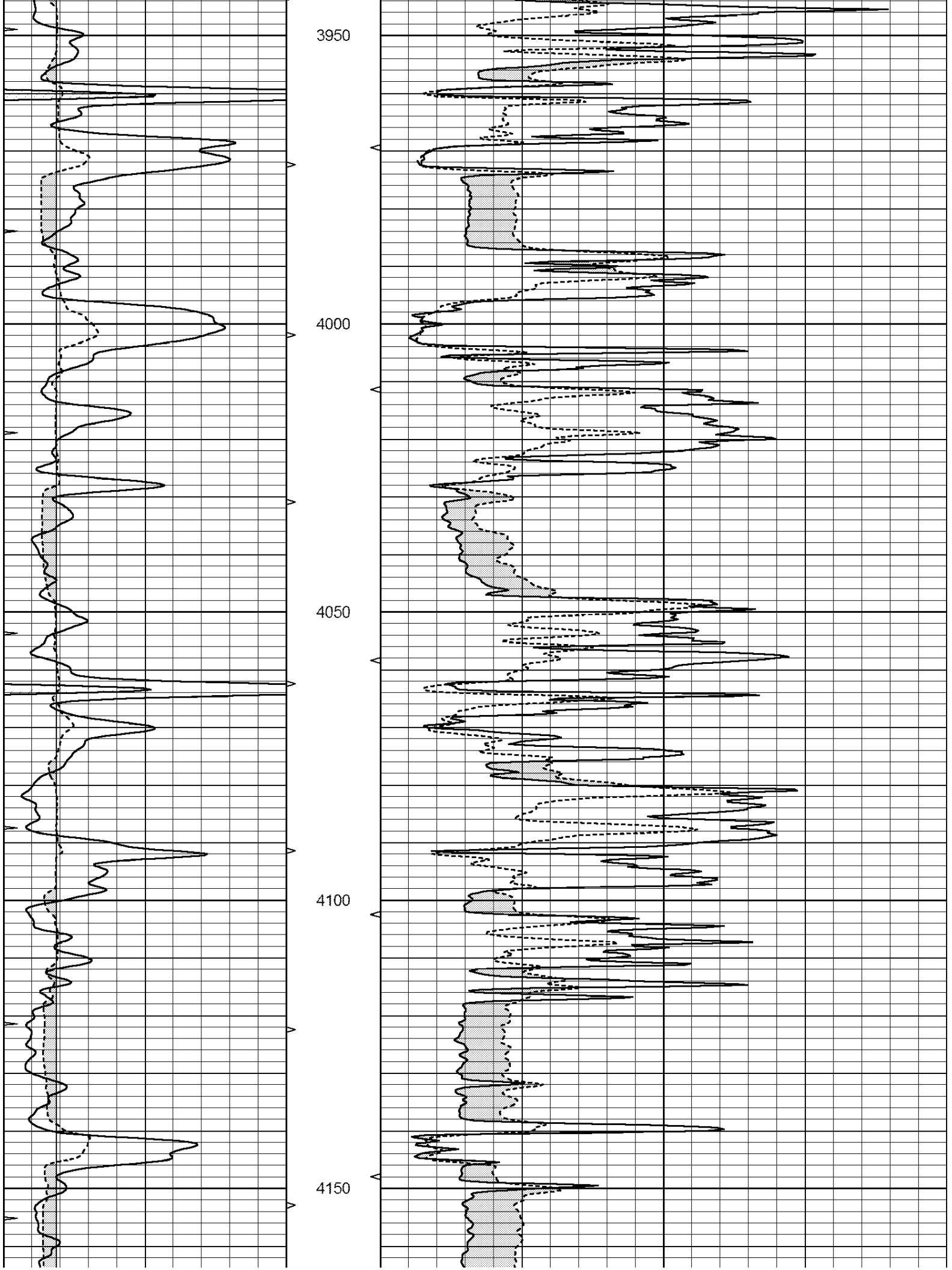
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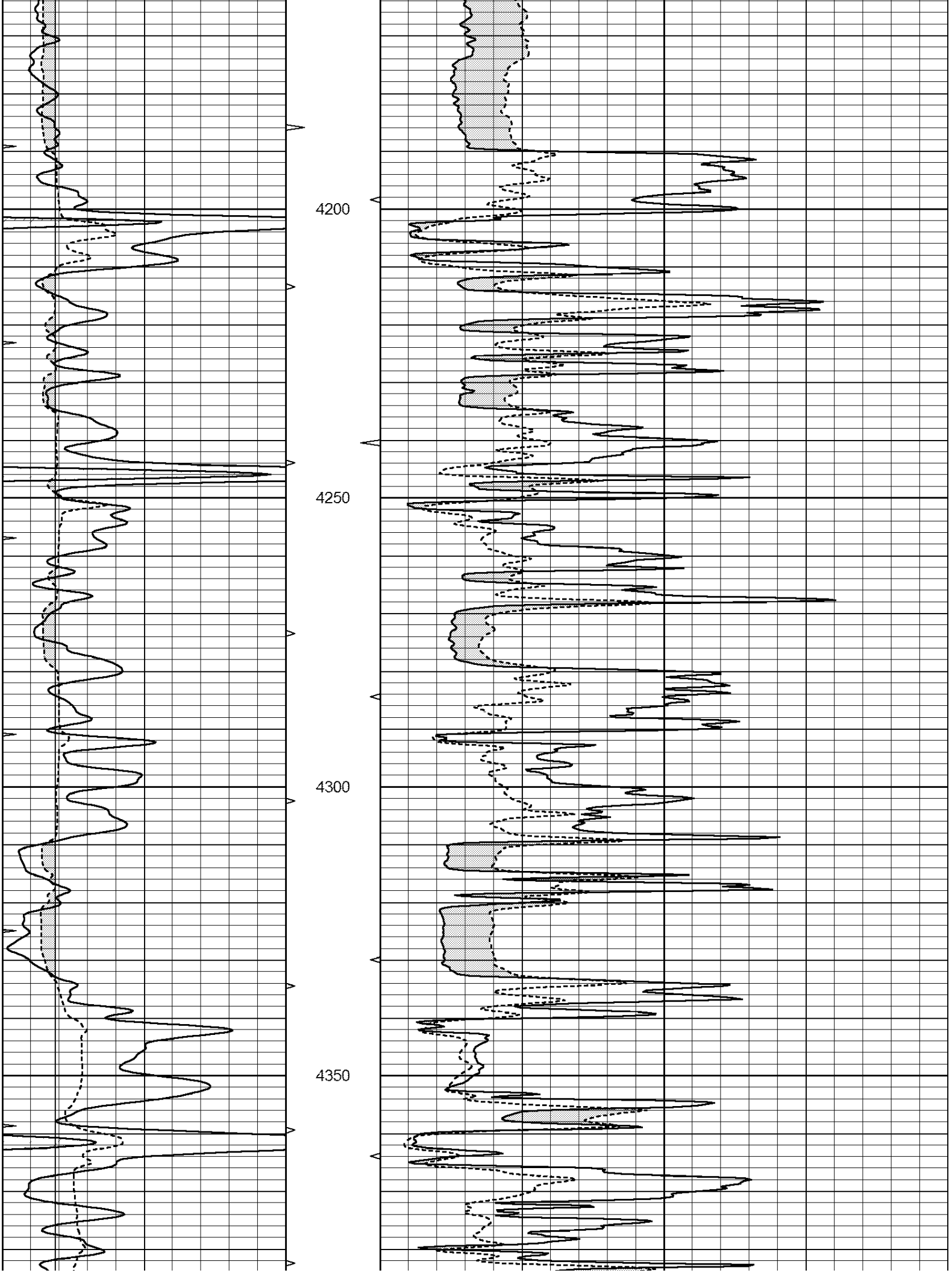
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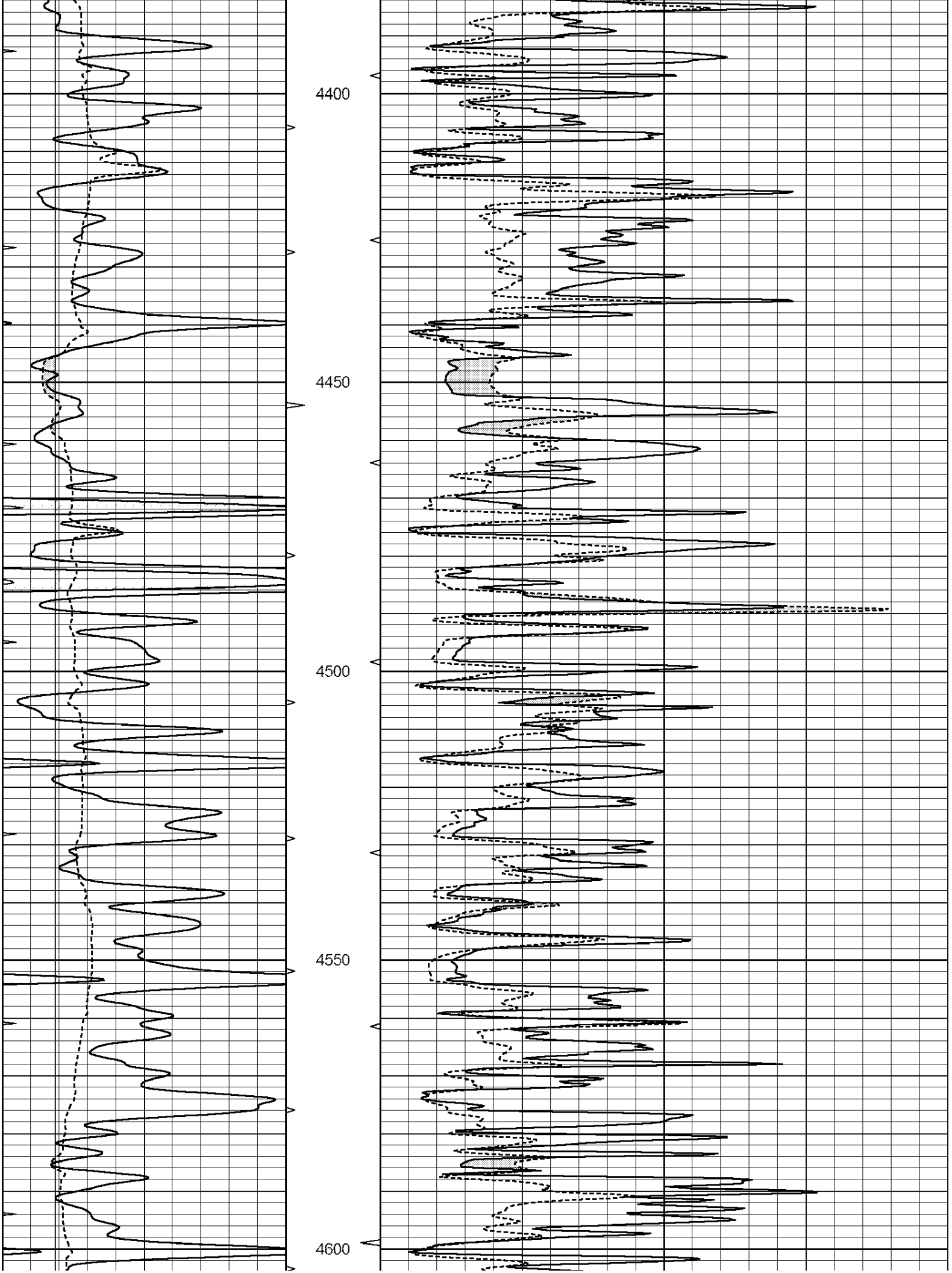
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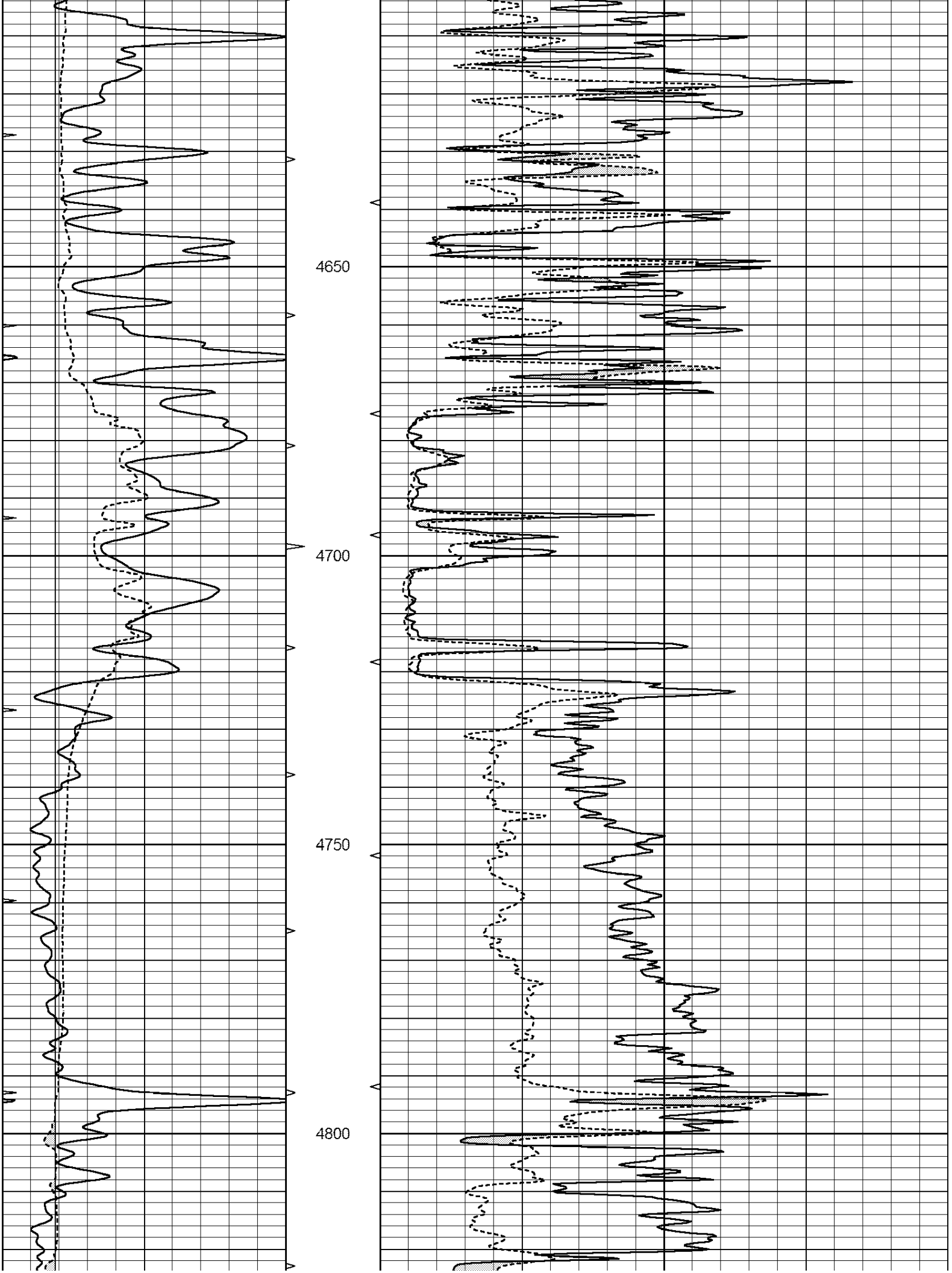
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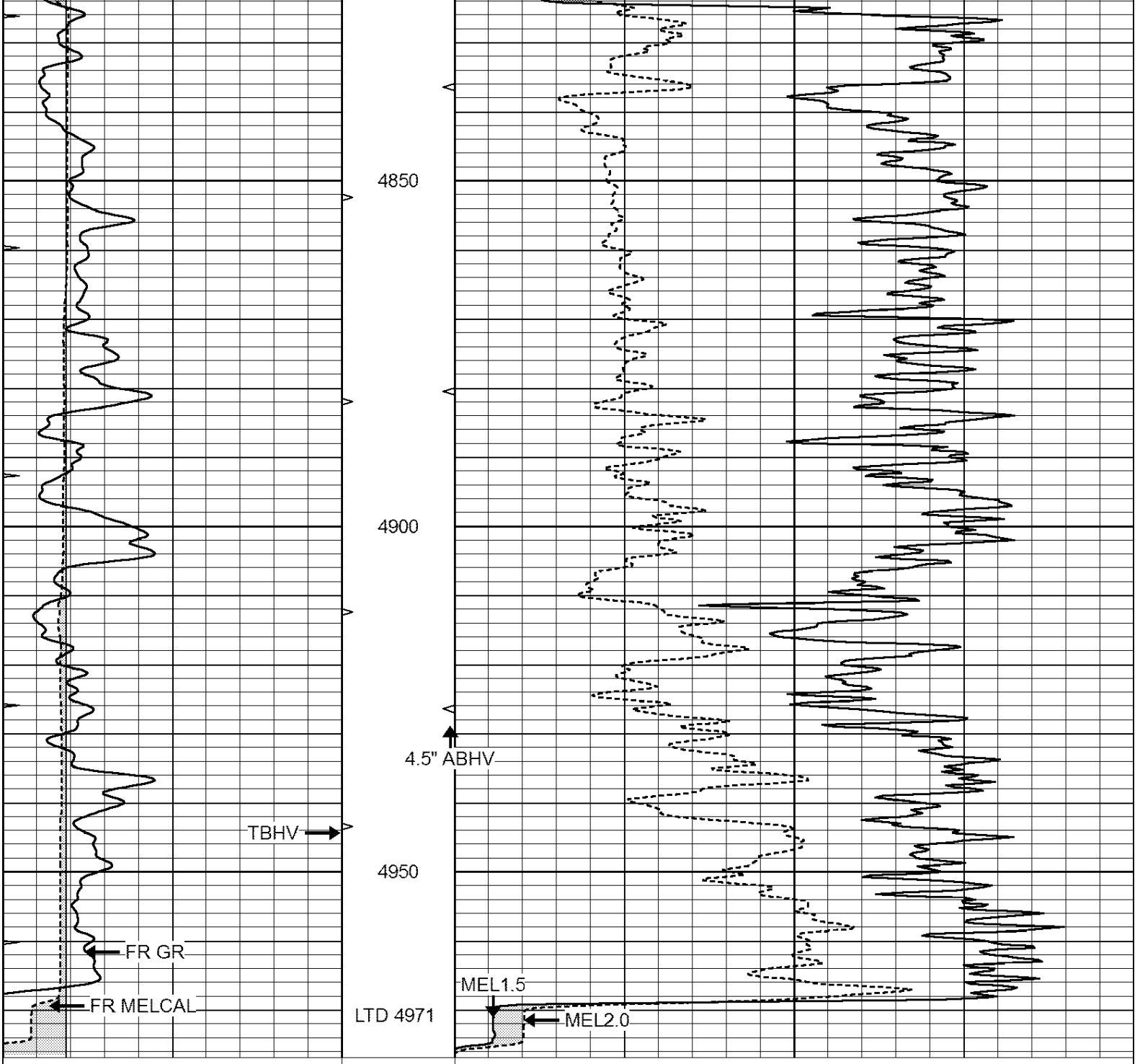

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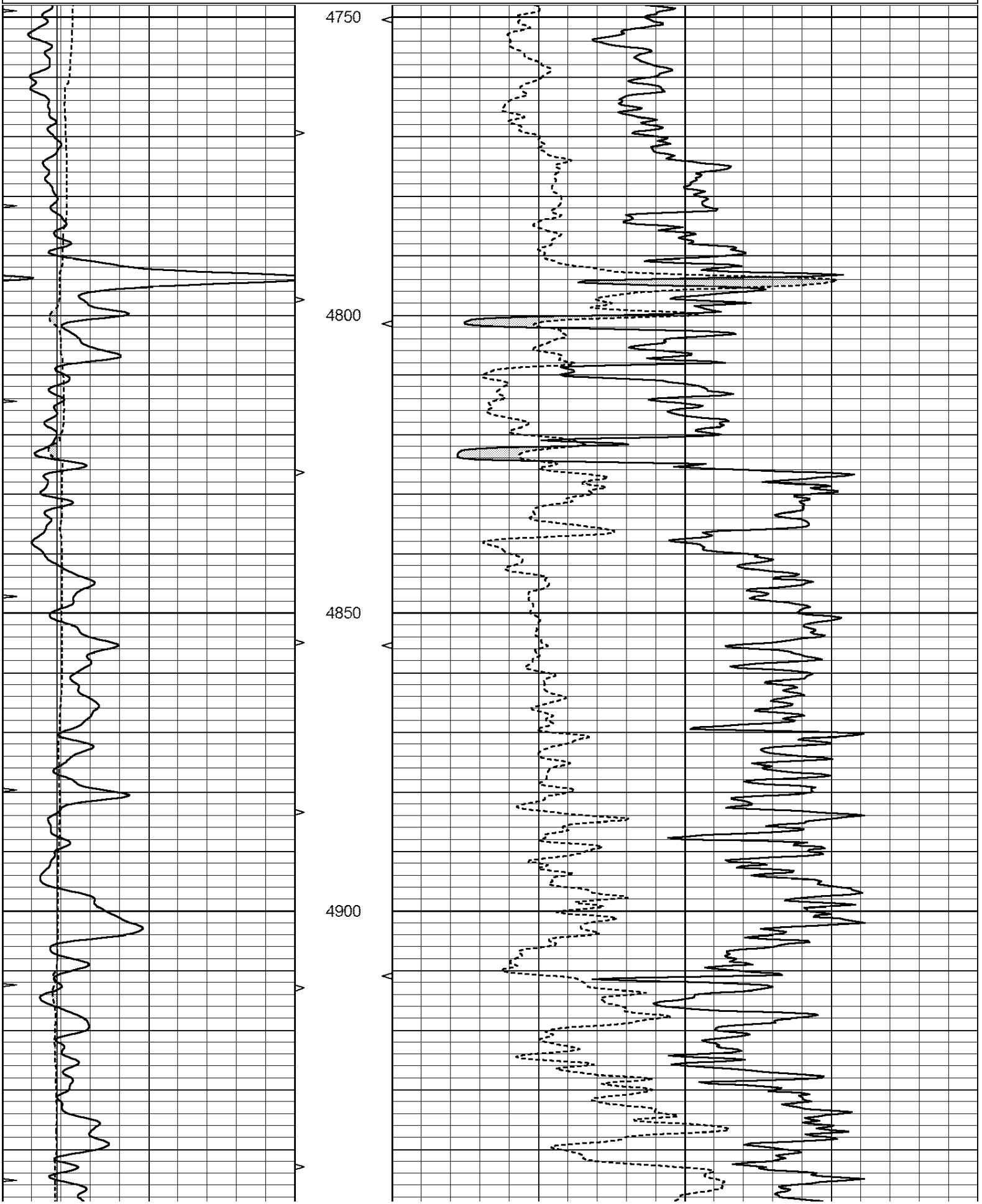
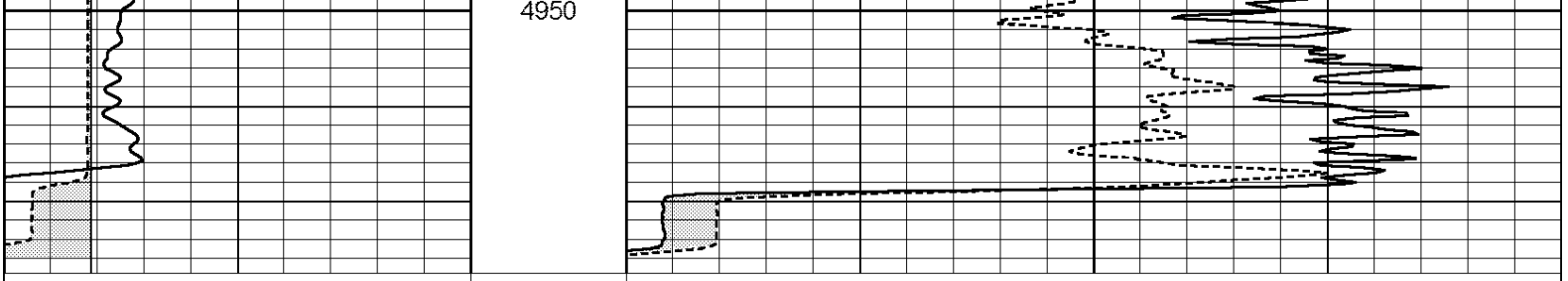
REPEAT SECTION

Database File:	409134pe.db
Dataset Pathname:	pass5.3
Presentation Format:	micro
Dataset Creation:	Mon Jun 04 14:27:28 2012
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
0	MINMK	20	TBHV				
			0 (ft3)	10			





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
0	MINMK	20	TBHV		
			0 (ft3) 10		

Calibration Report

Database File: 409134pe.db
Dataset Pathname: pass6.11
Dataset Creation: Mon Jun 04 14:33:39 2012 by Calc Open-Cased 110302

MICRO Calibration Report

Serial Number:	2	
Tool Model:	PROBE	
Performed:	Mon Jun 04 12:15:37 2012	
Caliper Calibration:	Gain=4.223	Offset=3.027
	Low Cal	High Cal
References	7.800	15.000
Readings	1.130	2.835
1.5" Calibration:	Gain=20.000	Offset=0.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.065	1.210
2" Calibration:	Gain=35.000	Offset=0.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.012	1.043

Gamma Ray Calibration Report

Serial Number:	GR4	
Tool Model:	OPEN	
Performed:	Wed May 30 16:27:04 2012	
Calibrator Value:	200.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	189.0	cps
Sensitivity:	1.5000	GAPI/cps