SUPERIOR WELL SERVICES

SUPERIOR
Hays, Kansas

MICRO LOG

Company CAPTIVA ENERGY, LLC.
Well CARVER TRUST #1-15
Field IUKA - CARMI
County PRATT State KANSAS

Location: API # : 15-151-22319-0000
1493' FSL & 1783' FEL
SEC 15 TWP 27S RGE 13W

Other Services
CDL/CNL/PE
DIL/SONIC

Permanent Datum GROUND LEVEL Elevation 1946
Log Measured From KELLY BUSHING 13' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1959
D.F. 1957
G.L. 1946

Date	12/18/08		
Run Number	TWO		
Depth Driller	4600		
Depth Logger	4600		
Bottom Logged Interval	4577		
Top Log Interval	1900		
Casing Driller	13 3/8"@267'		
Casing Logger	267		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 10,000PPM	
Density / Viscosity	9.0/75		
pH / Fluid Loss	11.0/6.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.600@59F		
Rmf @ Meas. Temp	.450@59F		
Rmc @ Meas. Temp	.720@59F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.293@121F		
Time Circulation Stopped	8 HOURS		
Time Logger on Bottom	8:15 A.M.		
Maximum Recorded Temperature	121F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	BRUCE ARD		

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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 HAYS, KANSAS (785)628-6395

DIRECTIONS

PRATT, KS. 1 MILE S. OF AIRPORT ON HWY 281 TO 30TH AVE., 1E., 1/2N., W. INTO

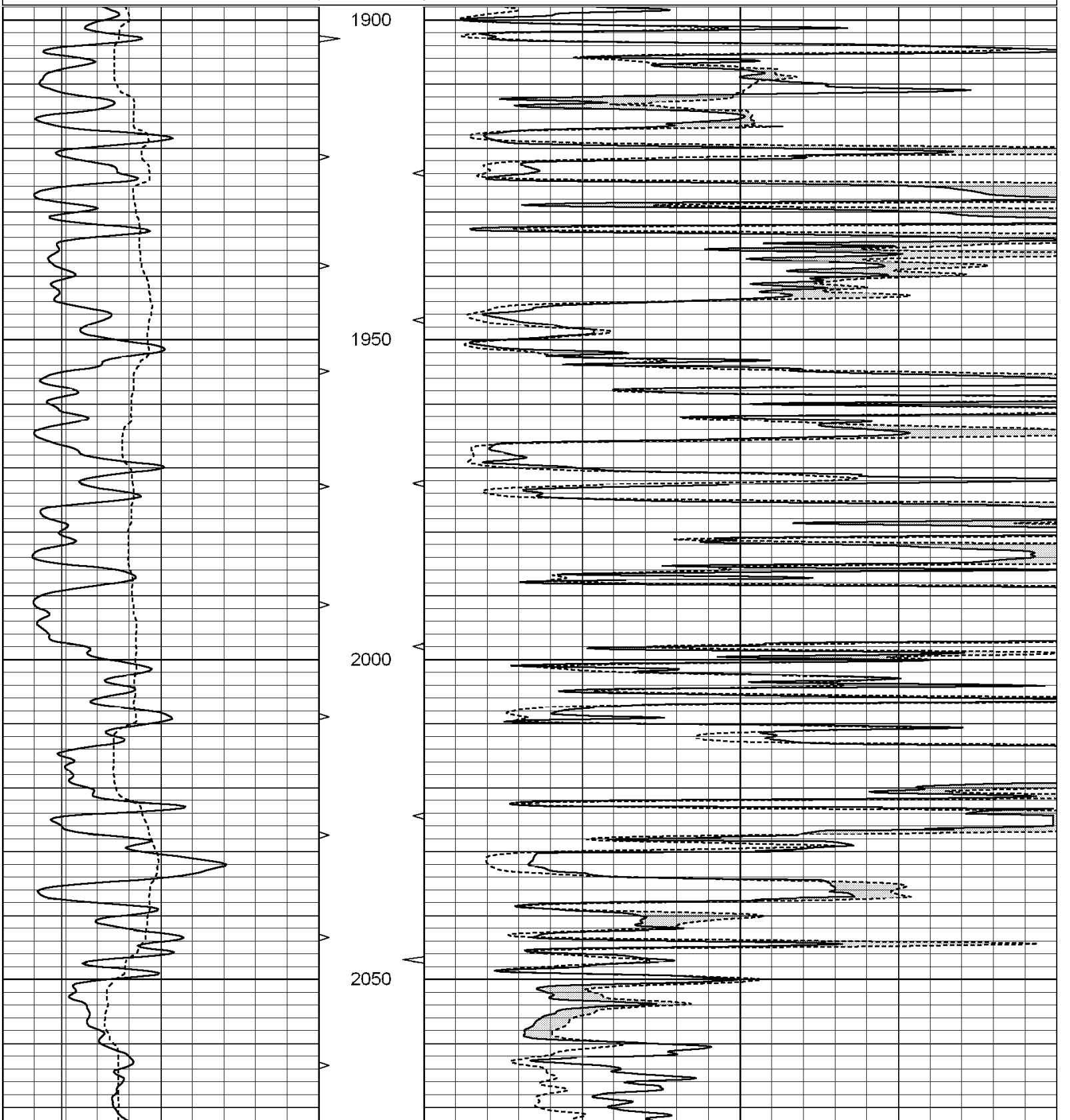
MAIN SECTION

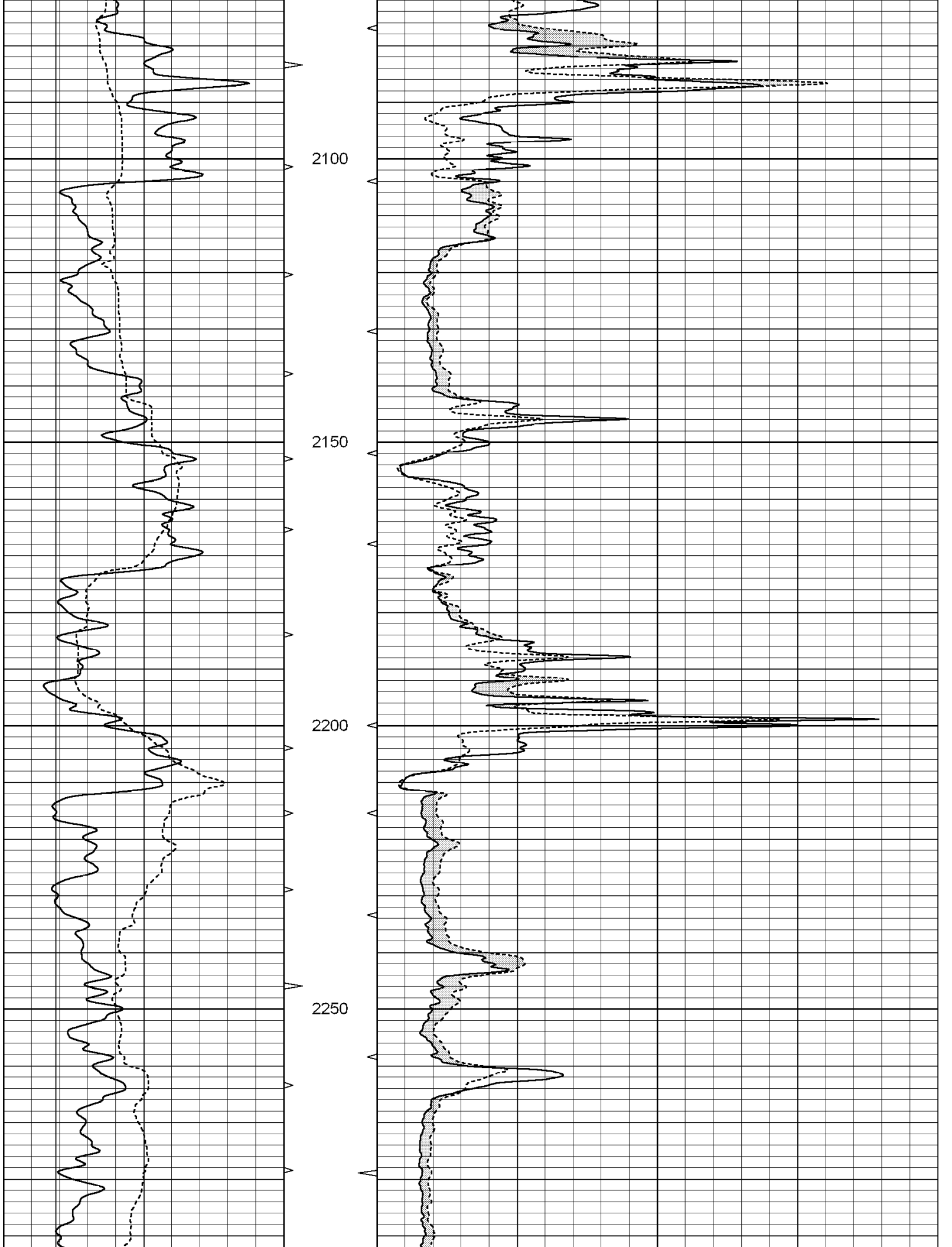
SUPERIOR
Hays, Kansas
SUPERIOR WELL SERVICES

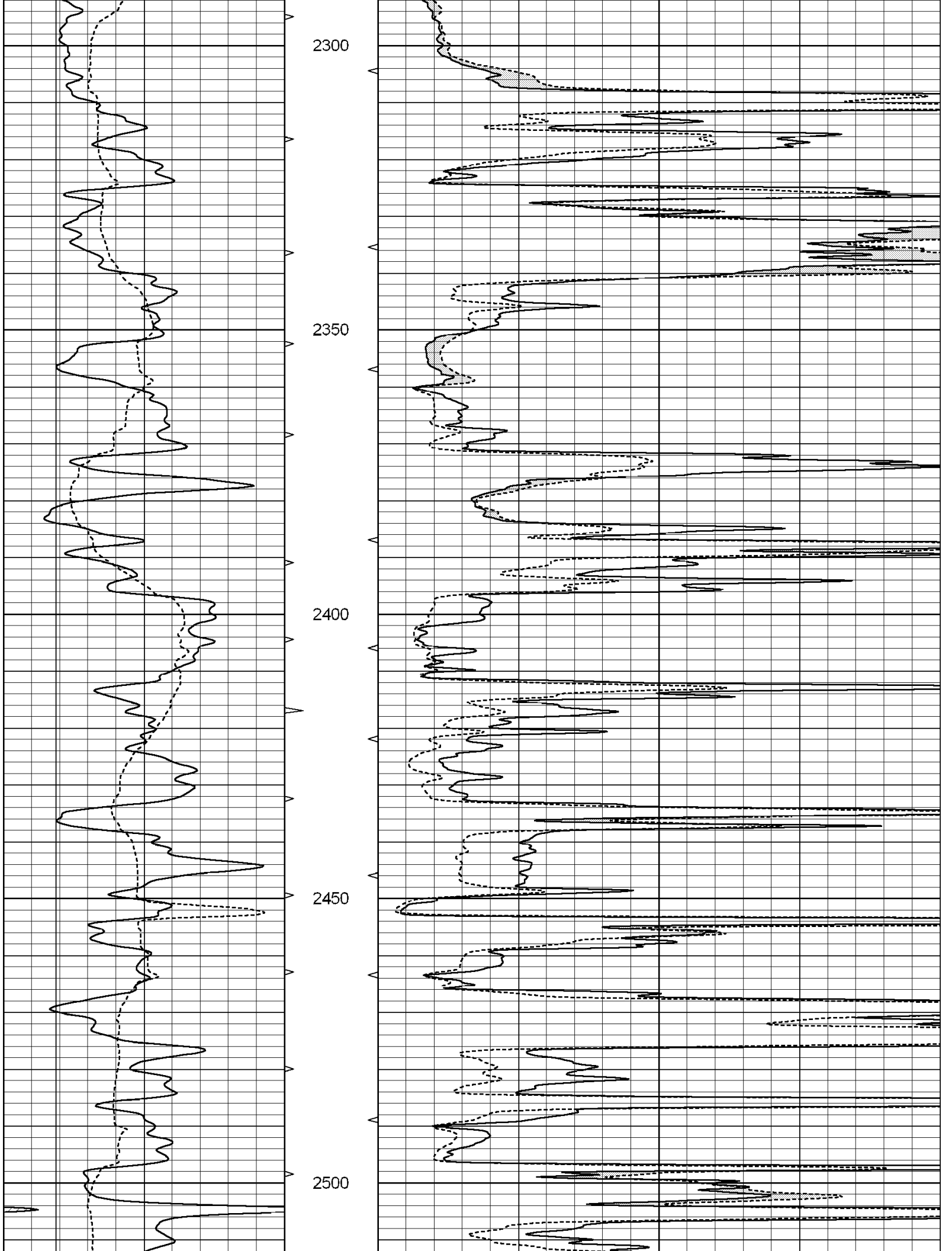
Kansas

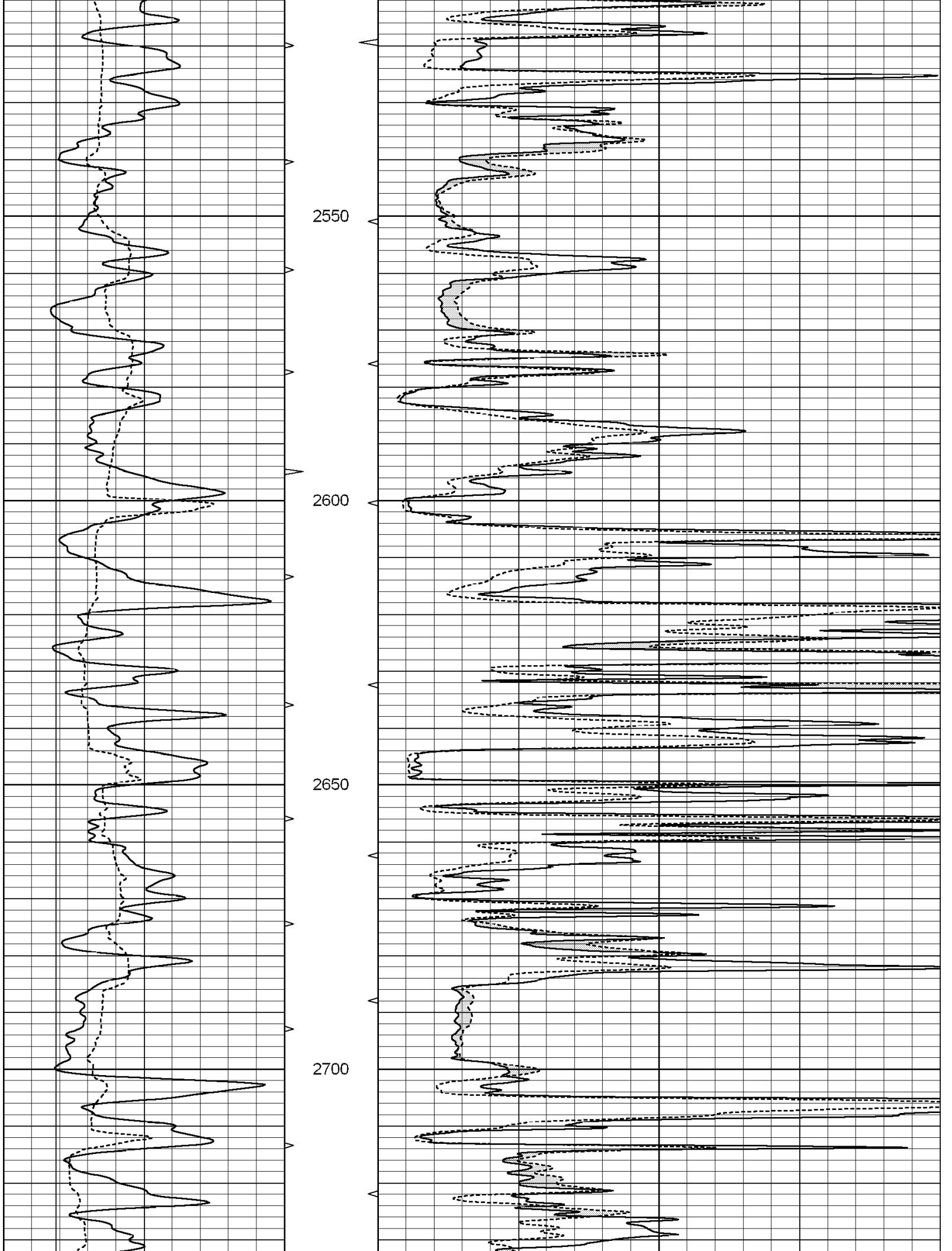
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Presentation Format:	micro
Dataset Creation:	Thu Dec 18 12:39:35 2008
Charted by:	Depth in Feet scaled 1:240

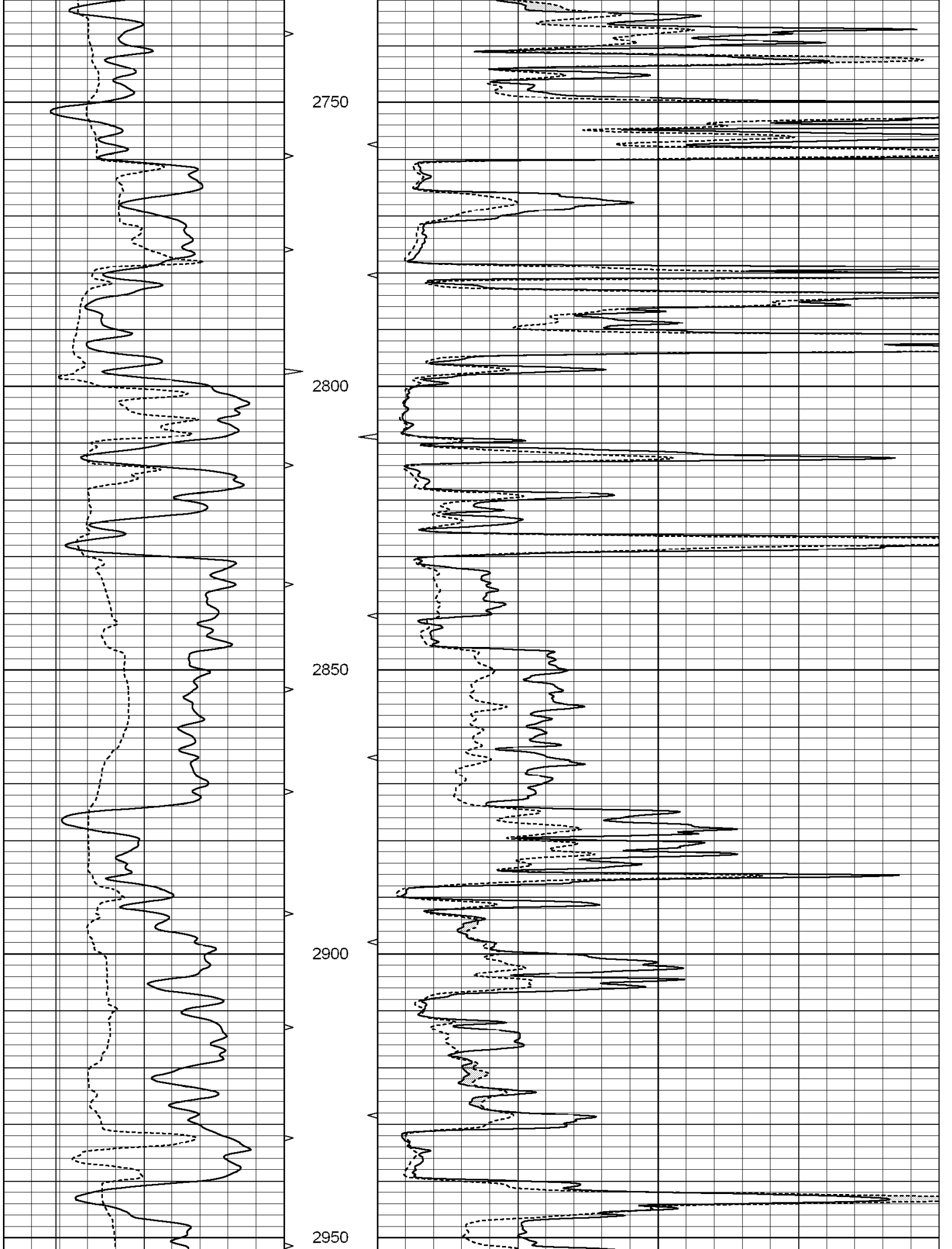
0 GAMMA RAY (GAPI) 150	ABHV	0 *MEL1.5 (Ohm-m)* 20
6 CALIPER (in) 16	10 (ft3) 0	0 *MEL2.0 (Ohm-m)* 20
	TBHV	
	0 (ft3) 10	

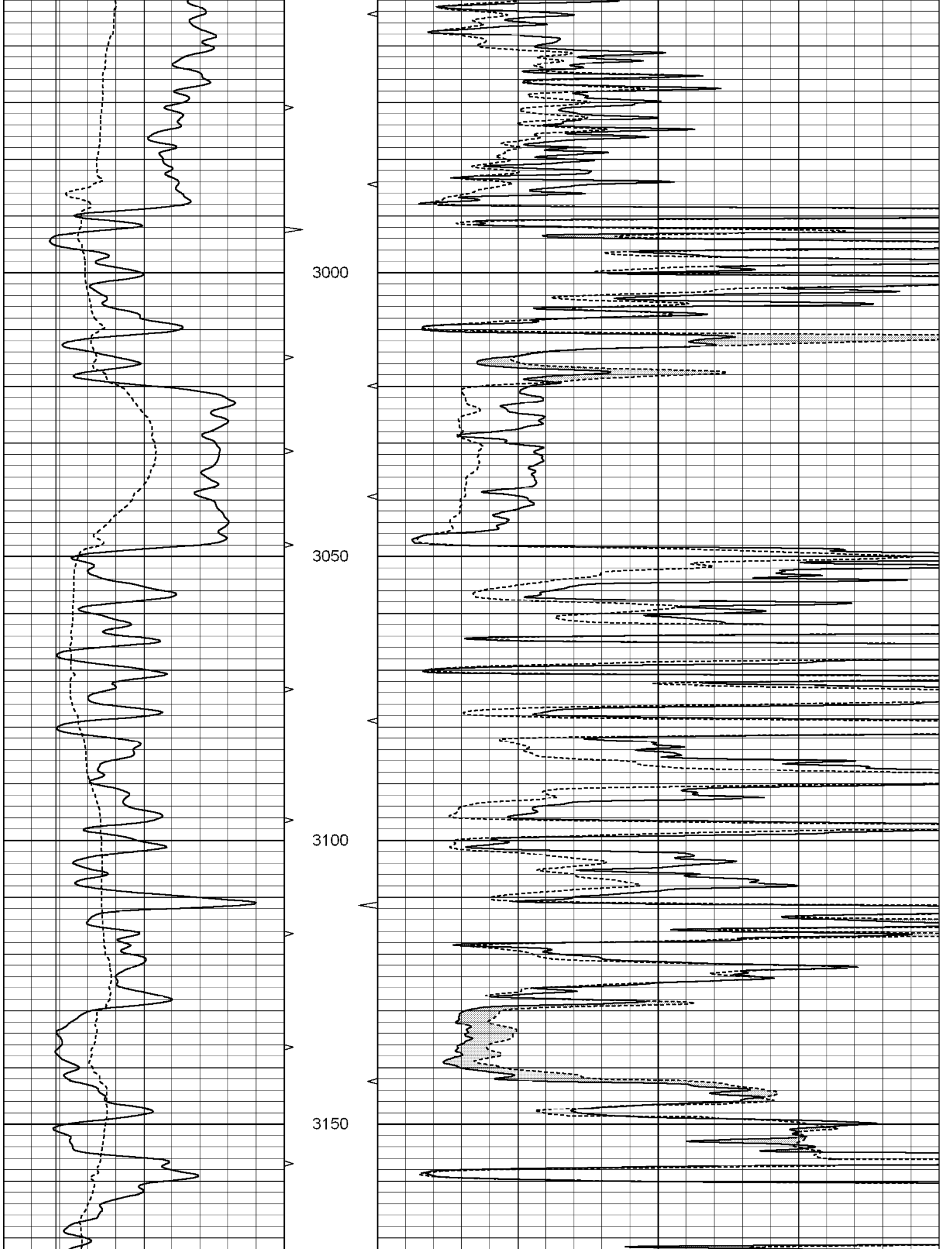


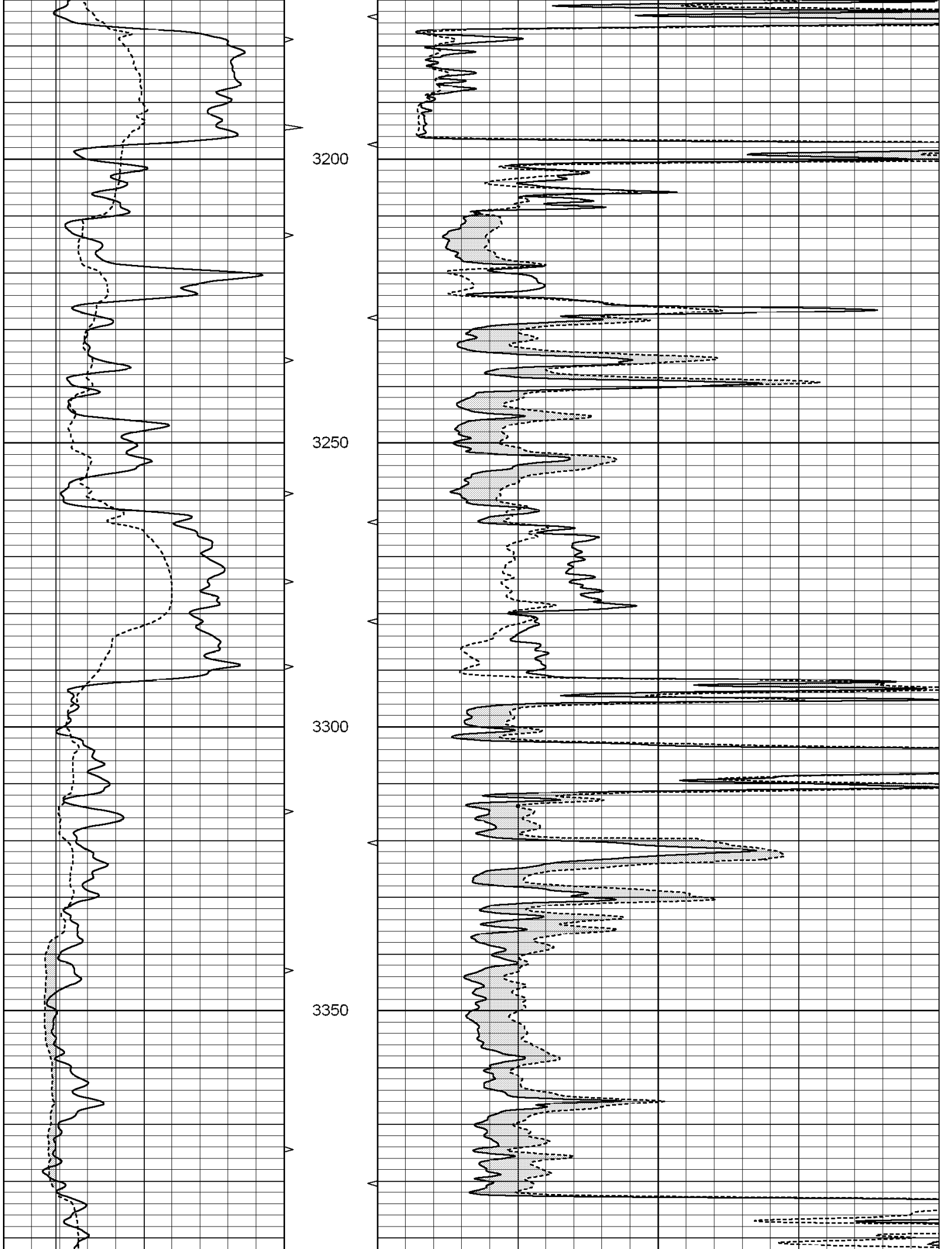

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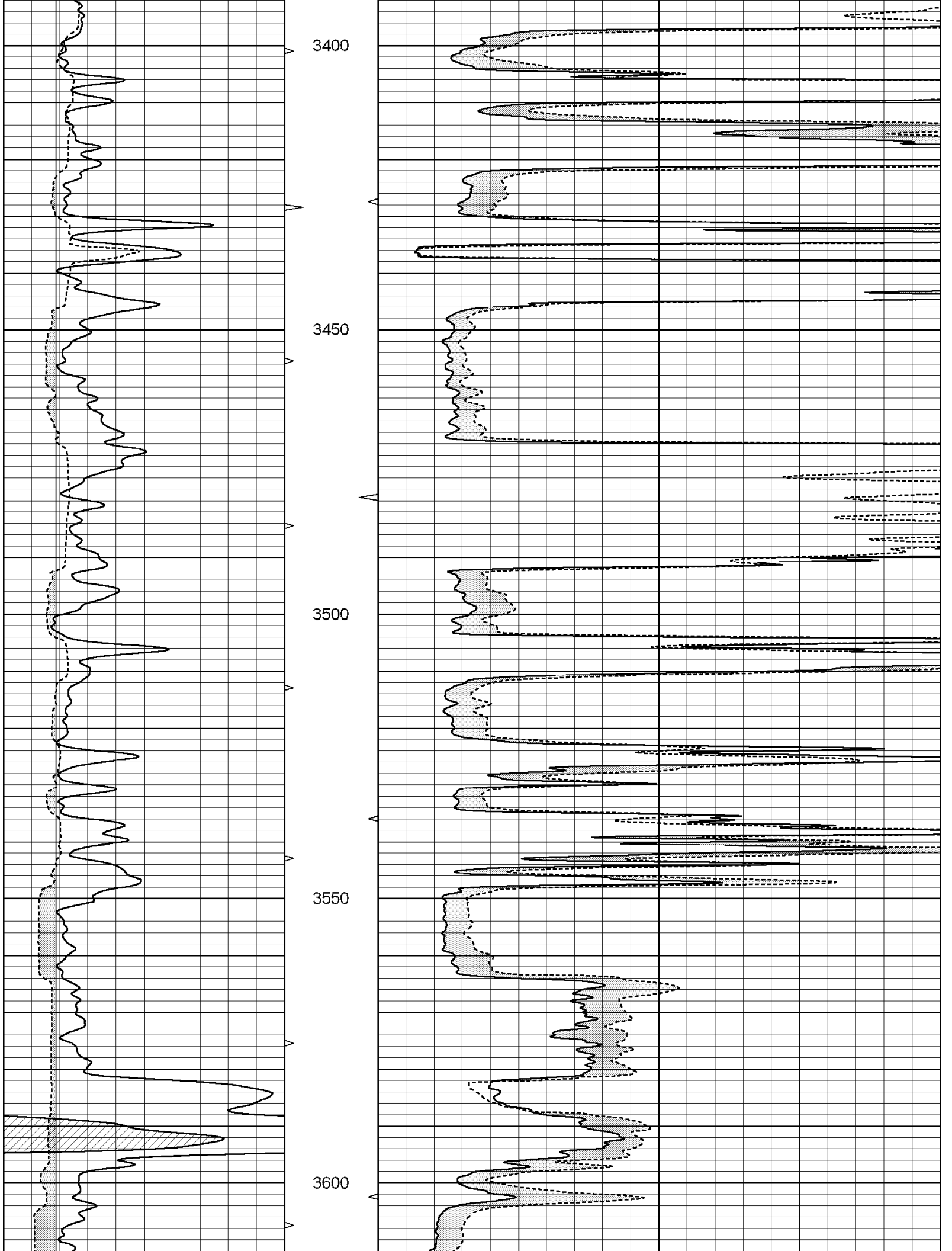

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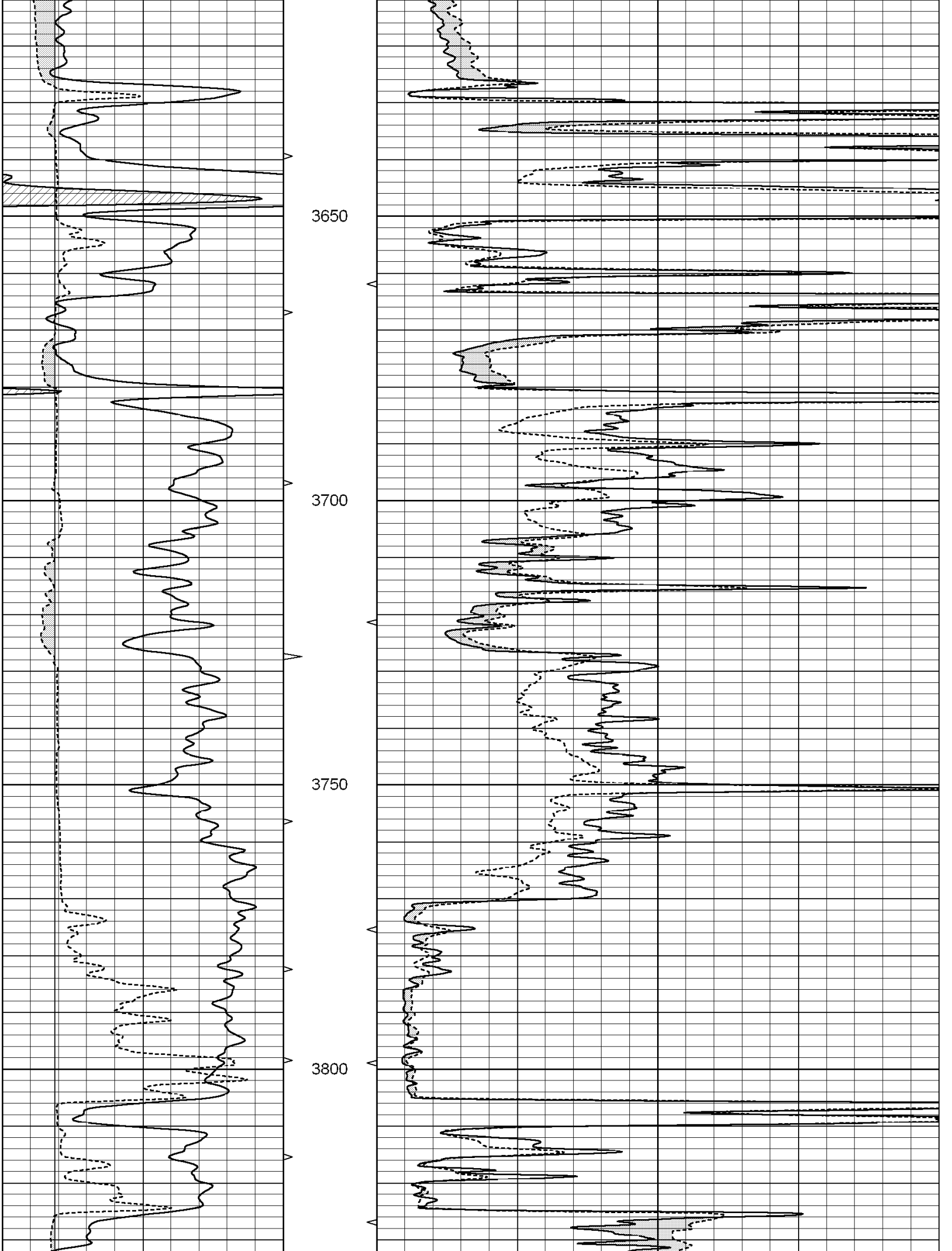

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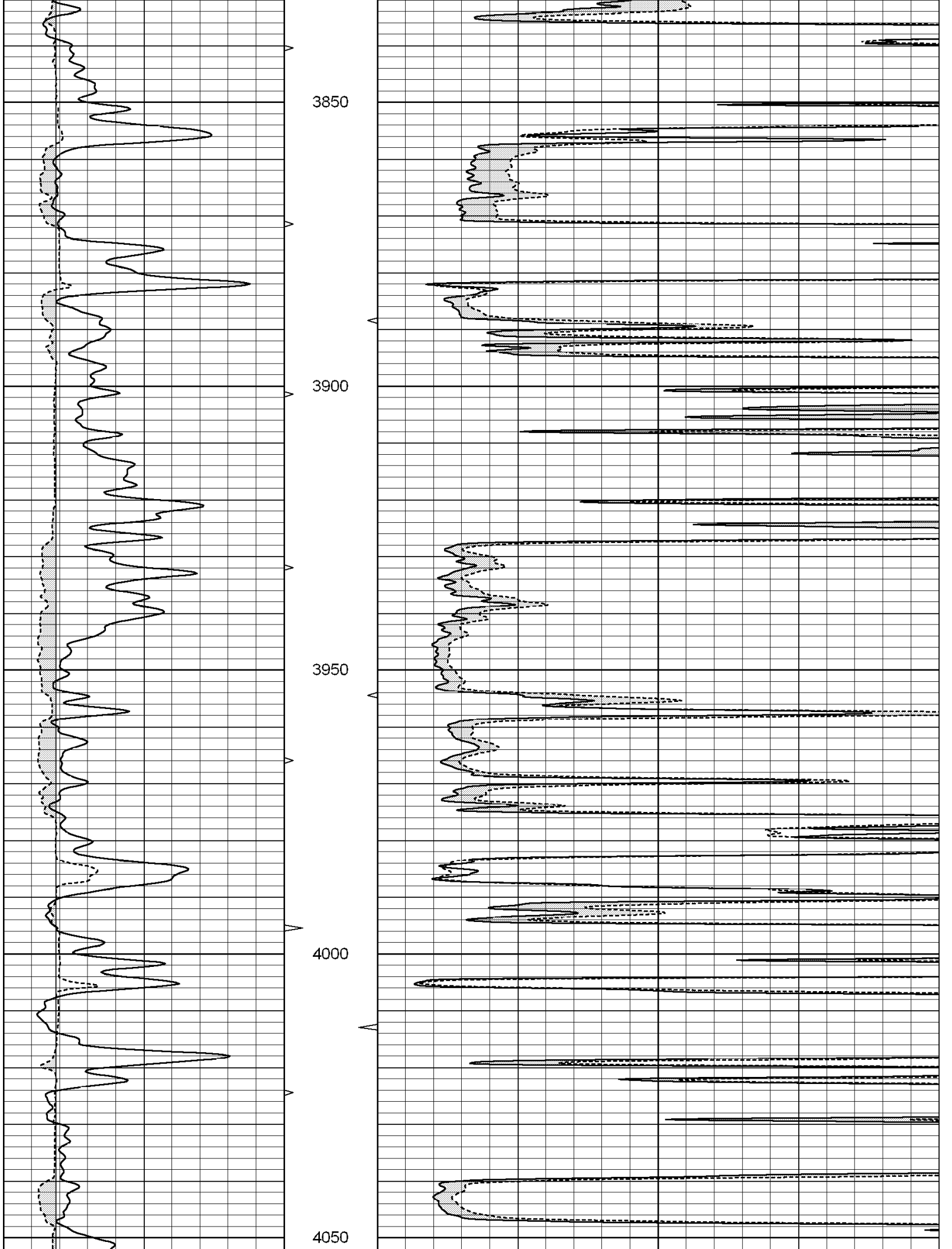

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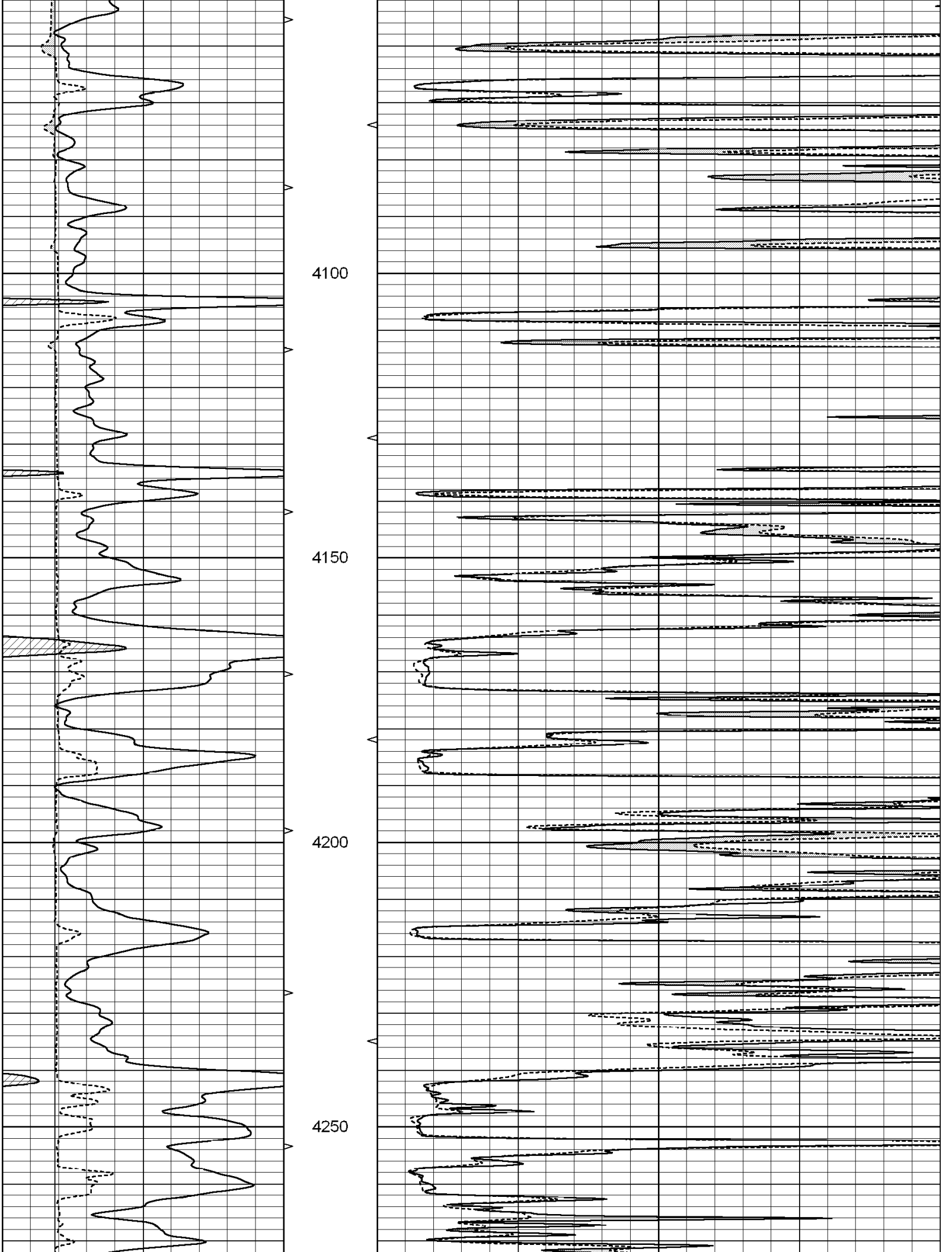

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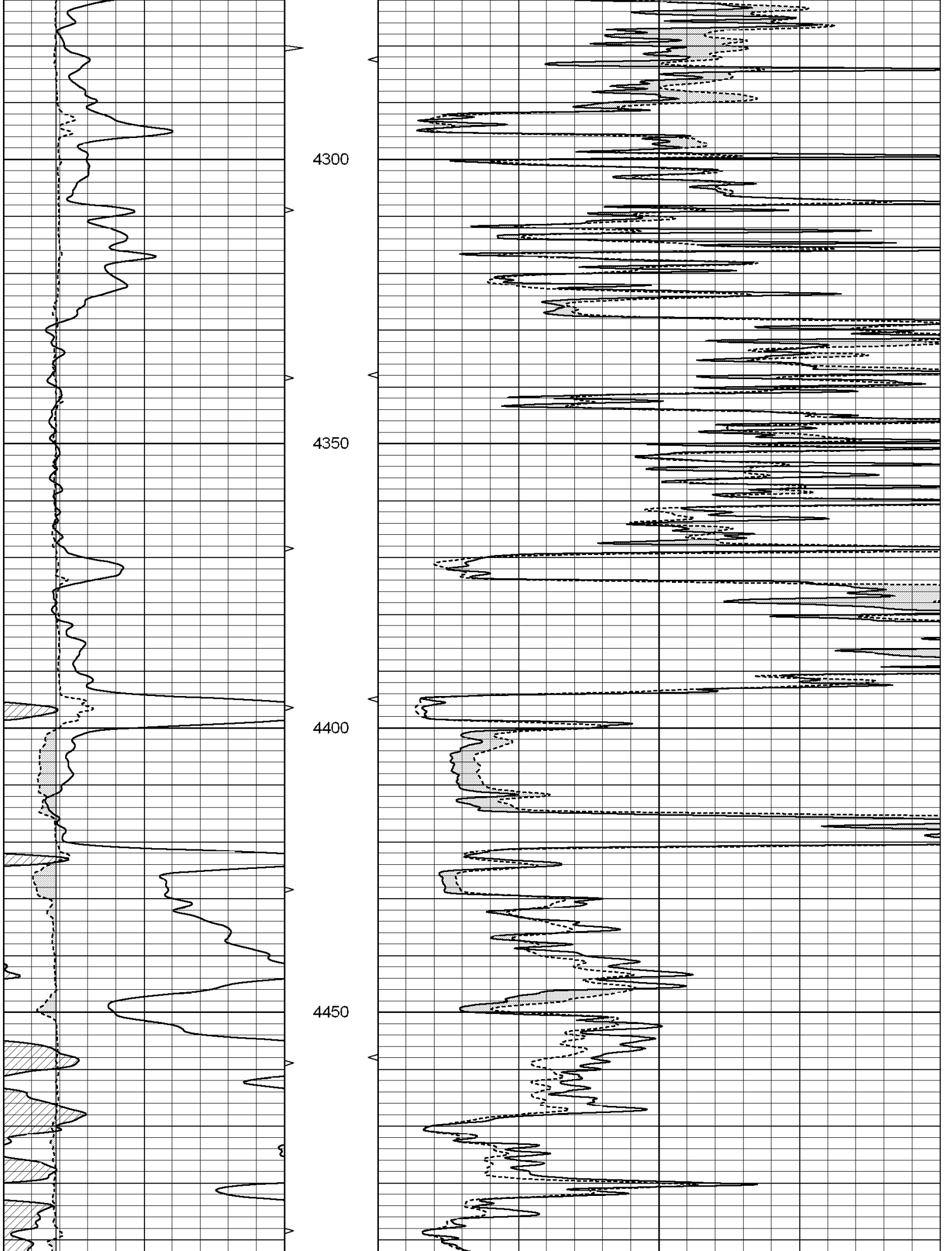

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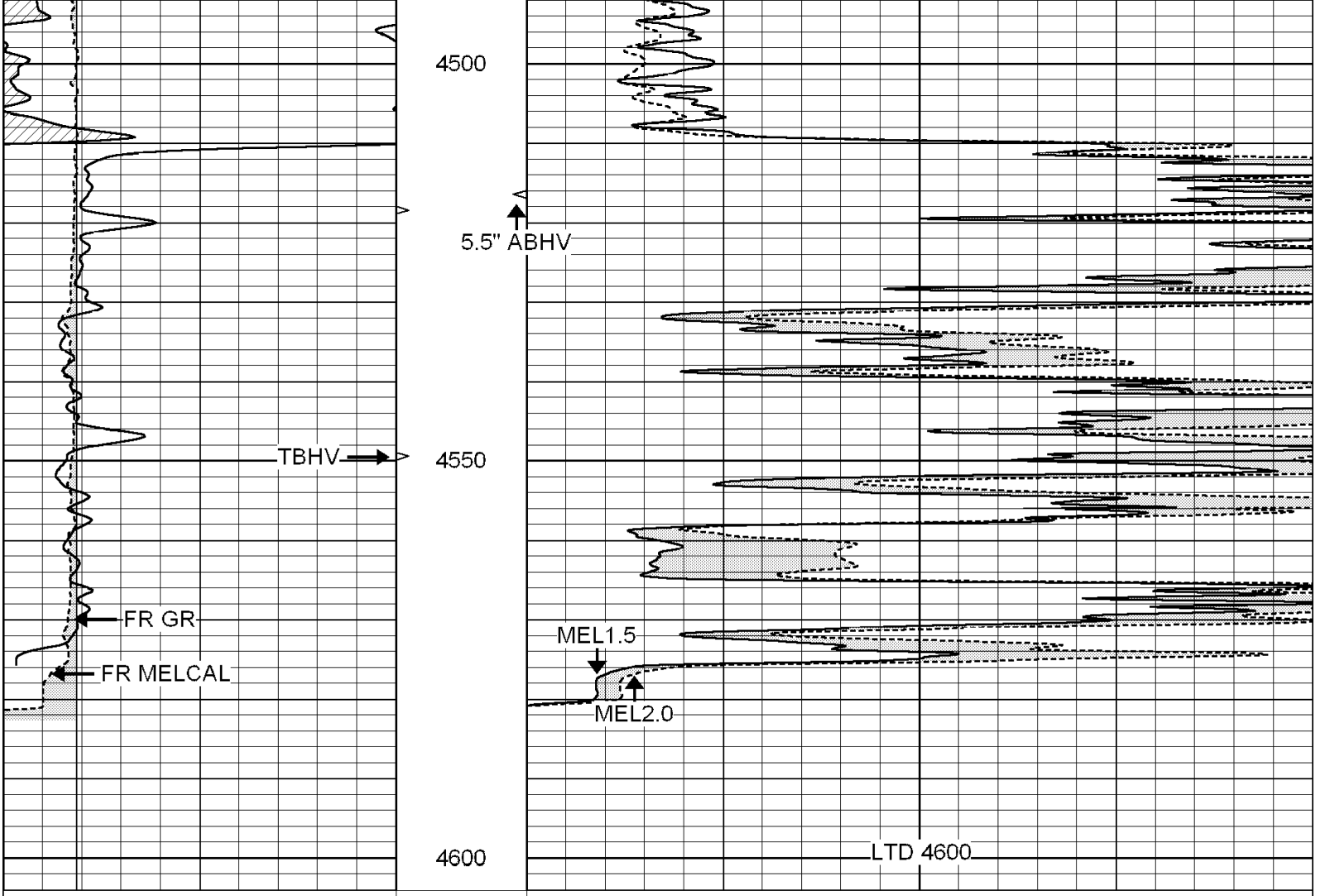

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4000
4050


4100
4150
4200
4250


4300
4350
4400
4450



0 GAMMA RAY (GAPI) 150		ABHV	0 *MEL1.5 (Ohm-m)* 20	
6 CALIPER (in) 16		10 (ft3) 0	0 *MEL2.0 (Ohm-m)* 20	
		TBHV		
		0 (ft3) 10		

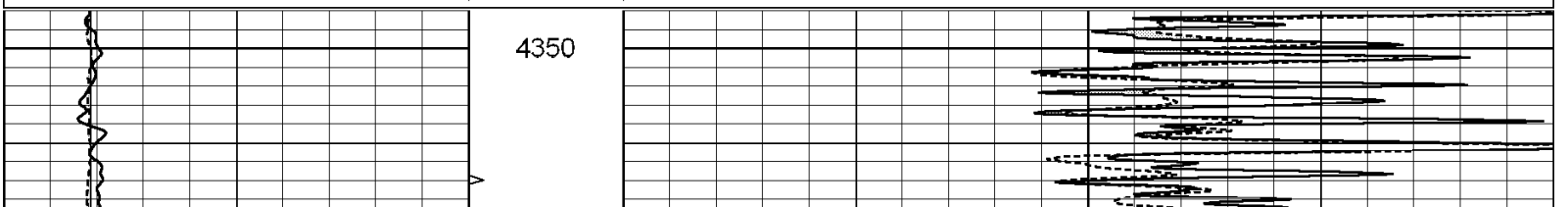
SUPERIOR WELL SERVICES

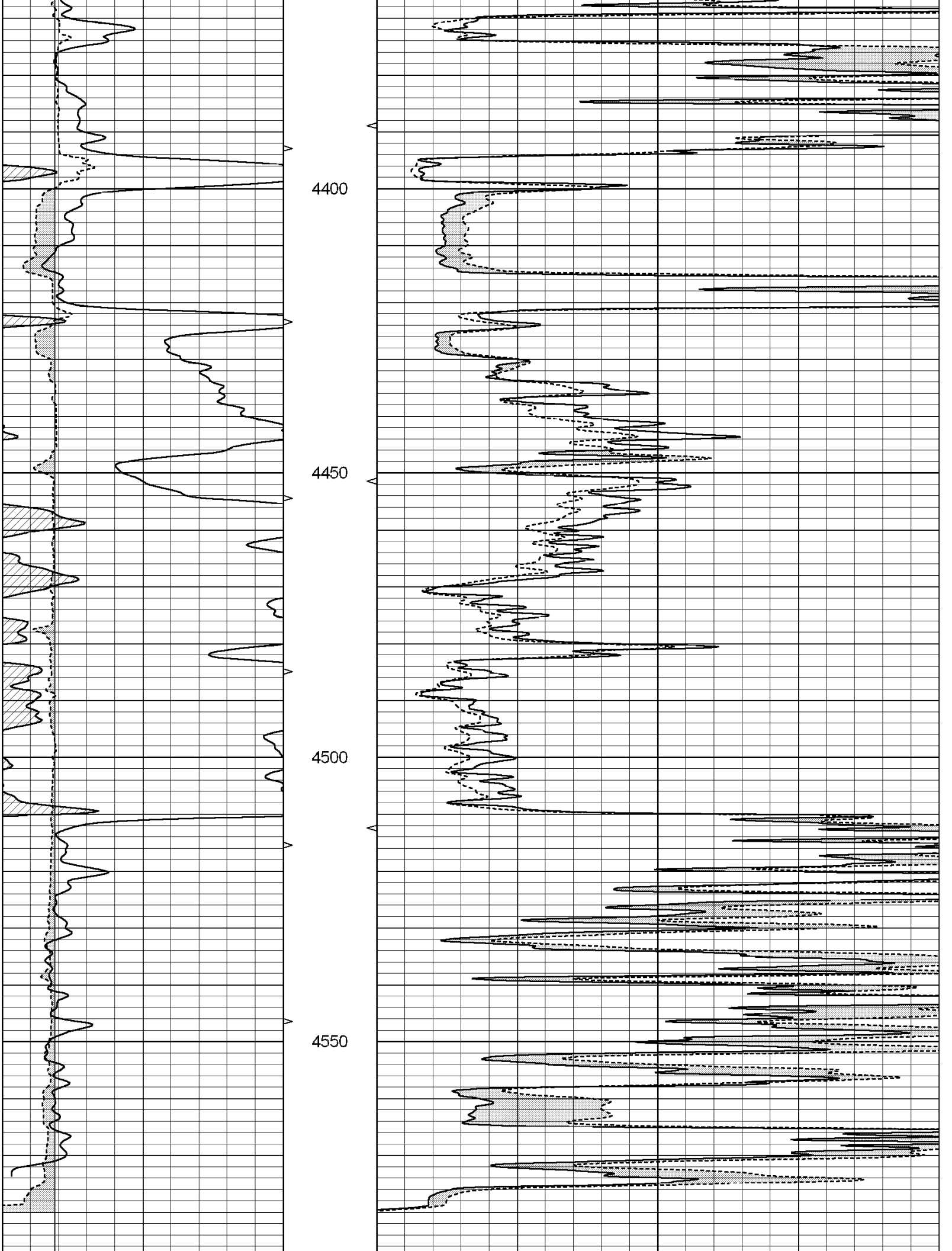
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File:	003083pe.db
Dataset Pathname:	pass5.3
Presentation Format:	micro
Dataset Creation:	Thu Dec 18 12:34:08 2008 by Calc Open-Cased 060407
Charted by:	Depth in Feet scaled 1:240

0 GAMMA RAY (GAPI) 150		ABHV	0 MEL1.5 (Ohm-m) 20	
6 CALIPER (in) 16		10 (ft3) 0	0 MEL2.0 (Ohm-m) 20	
		TBHV		
		0 (ft3) 10		




4400
4450
4500
4550

			4600		
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m) 20
6	CALIPER (in)	16	10 (ft3) 0	0	MEL2.0 (Ohm-m) 20
			TBHV		
			0 (ft3) 10		

Calibration Report

Database File: 003083pe.db
Dataset Pathname: pass6.5
Dataset Creation: Thu Dec 18 12:39:35 2008

MICRO Calibration Report

Serial Number:	MICRO5	
Tool Model:	PROBE	
Performed:	Thu Dec 18 11:19:46 2008	
Caliper Calibration:	Gain=3.845	Offset=-6.997
	Low Cal	High Cal
References	6.200	15.000
Readings	3.433	5.721
1.5" Calibration:	Gain=26.000	Offset=-0.300
	Low Cal	High Cal
References	0.000	20.000
Readings	0.025	0.991
2" Calibration:	Gain=28.500	Offset=-0.400
	Low Cal	High Cal
References	0.000	20.000
Readings	0.018	0.809

Gamma Ray Calibration Report

Serial Number:	GR3	
Tool Model:	OPEN	
Performed:	Thu Dec 18 11:19:43 2008	
Calibrator Value:	200.0	GAPI
Background Reading:	3.0	cps
Calibrator Reading:	186.0	cps
Sensitivity:	0.4500	GAPI/cps