



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**COMPENSATED
DENSITY / NEUTRON
PE LOG**

Company	FALCON EXPLORATION, INC.		
Well	CIRCLE "N" TRUST #1-6 (SE)		
Field	COLUSA SOUTH		
County	GRAY	State	KANSAS
Location:	API # : 15-069-20481-0000		Other Services DIL/MEL SONIC
Permanent Datum	GROUND LEVEL	Elevation	2828
Log Measured From	KELLY BUSHING 11' A.G.L.		
Drilling Measured From	KELLY BUSHING		
SEC 6	TWP 28S	RGE 30W	
Date	9/3/14		
Run Number	ONE		
Depth Driller	5450		
Depth Logger	5450		
Bottom Logged Interval	5424		
Top Log Interval	2600		
Casing Driller	8 5/8" @ 1840'		
Casing Logger	1840		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2,500 PPM	
Density / Viscosity	9.0/42		
pH / Fluid Loss	10.5/8.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.800 @ 100F		
Rmf @ Meas. Temp	.600 @ 100F		
Rmc @ Meas. Temp	.960 @ 100F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.620 @ 129F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	1:30 P.M.		
Maximum Recorded Temperature	129F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KEITH REAVIS		

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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
COPELAND, KS., 7N. ON BLKTOP, 1/2W., S. INTO



NABORS

**COMPLETION
& PRODUCTION**

MAIN SECTION

Database File:

25875pe.db

Dataset Pathname:

pass3.7

Presentation Format:

ldt_neu

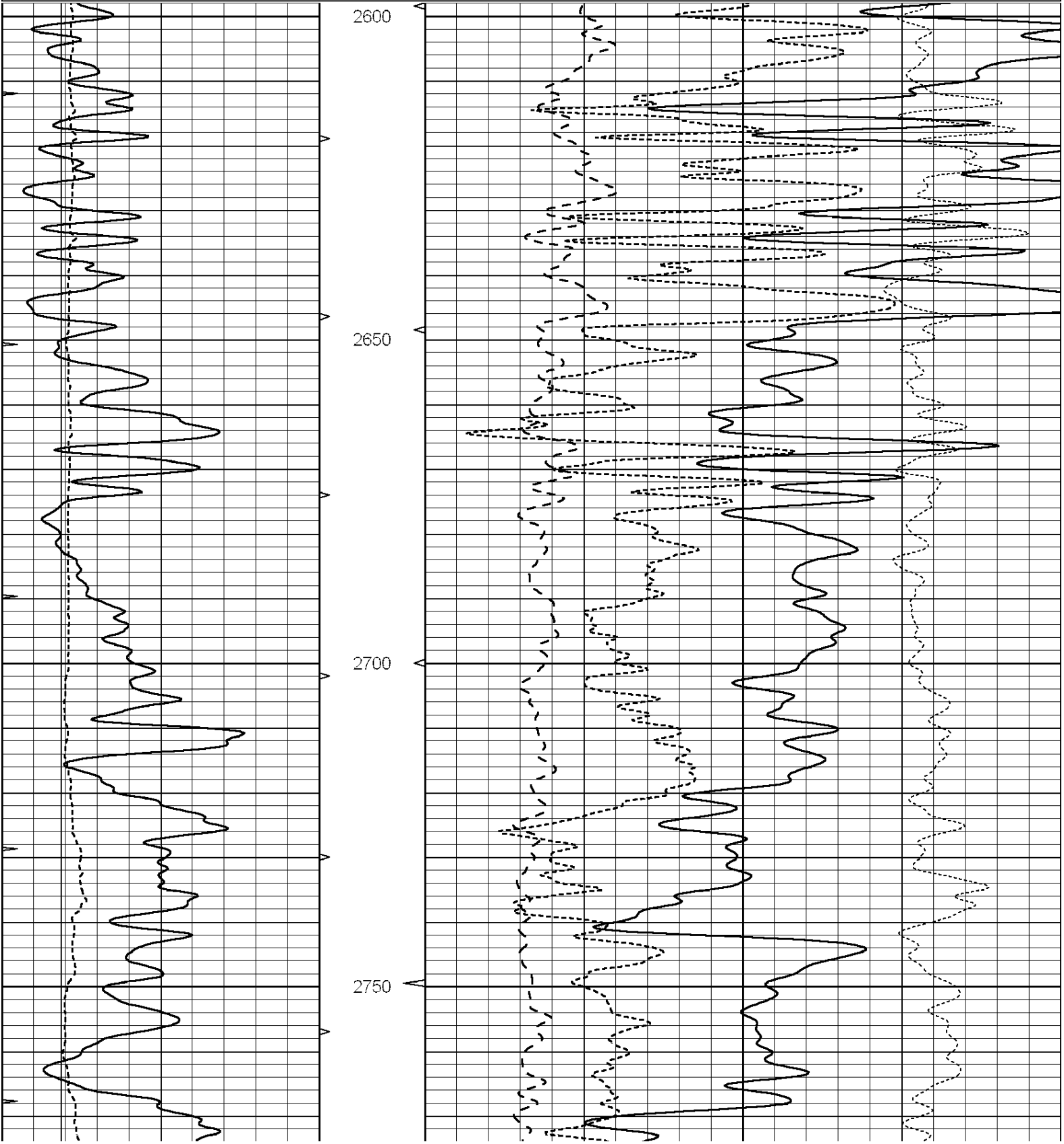
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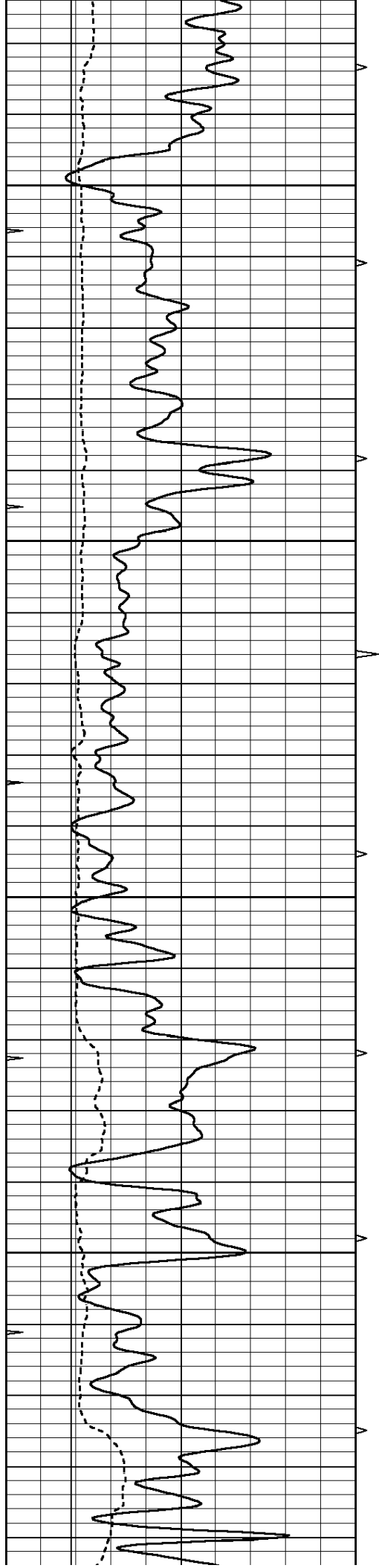
Wed Sep 03 15:50:04 2014 by Calc SOC 120430

Charted by:

Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)				-10	
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)				-10
0	MINMK	20	TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3)	10						



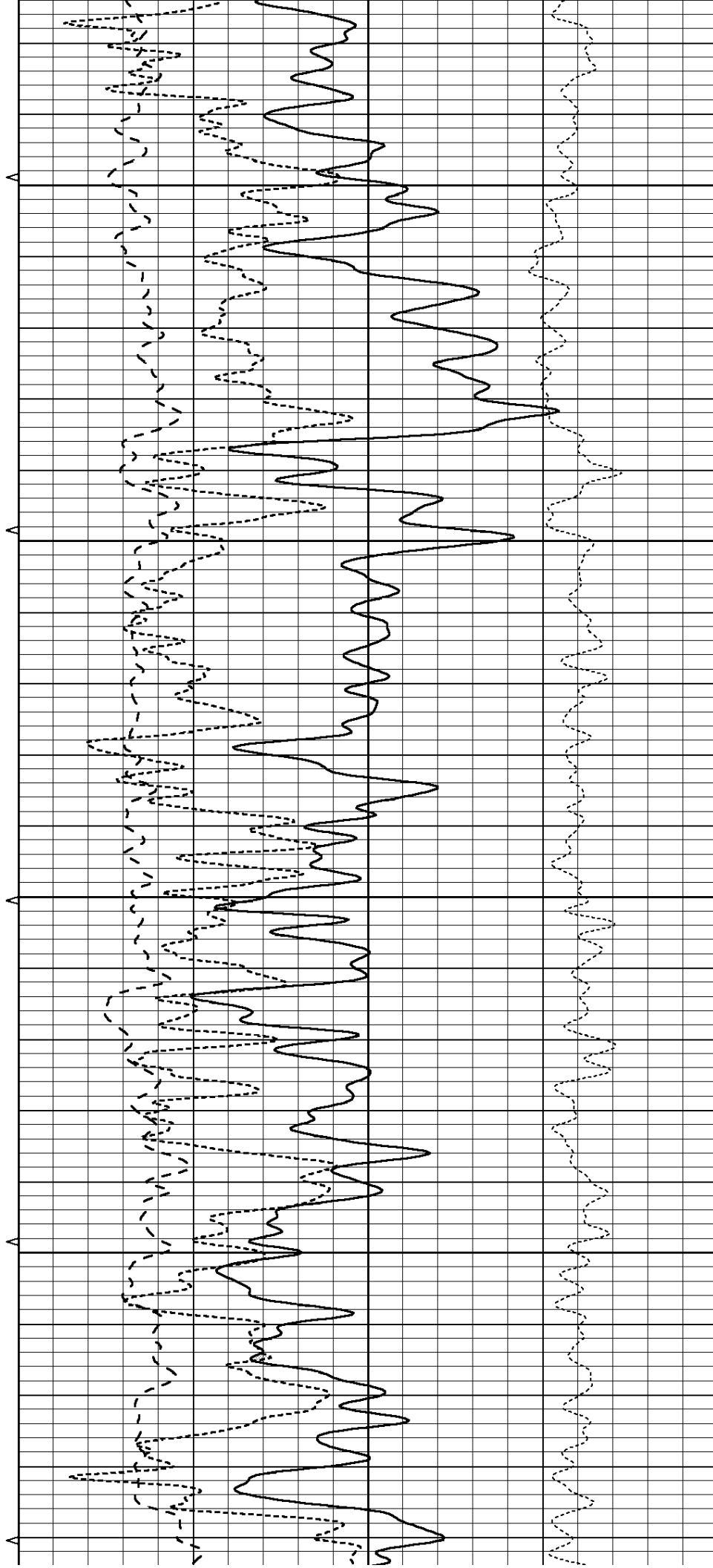


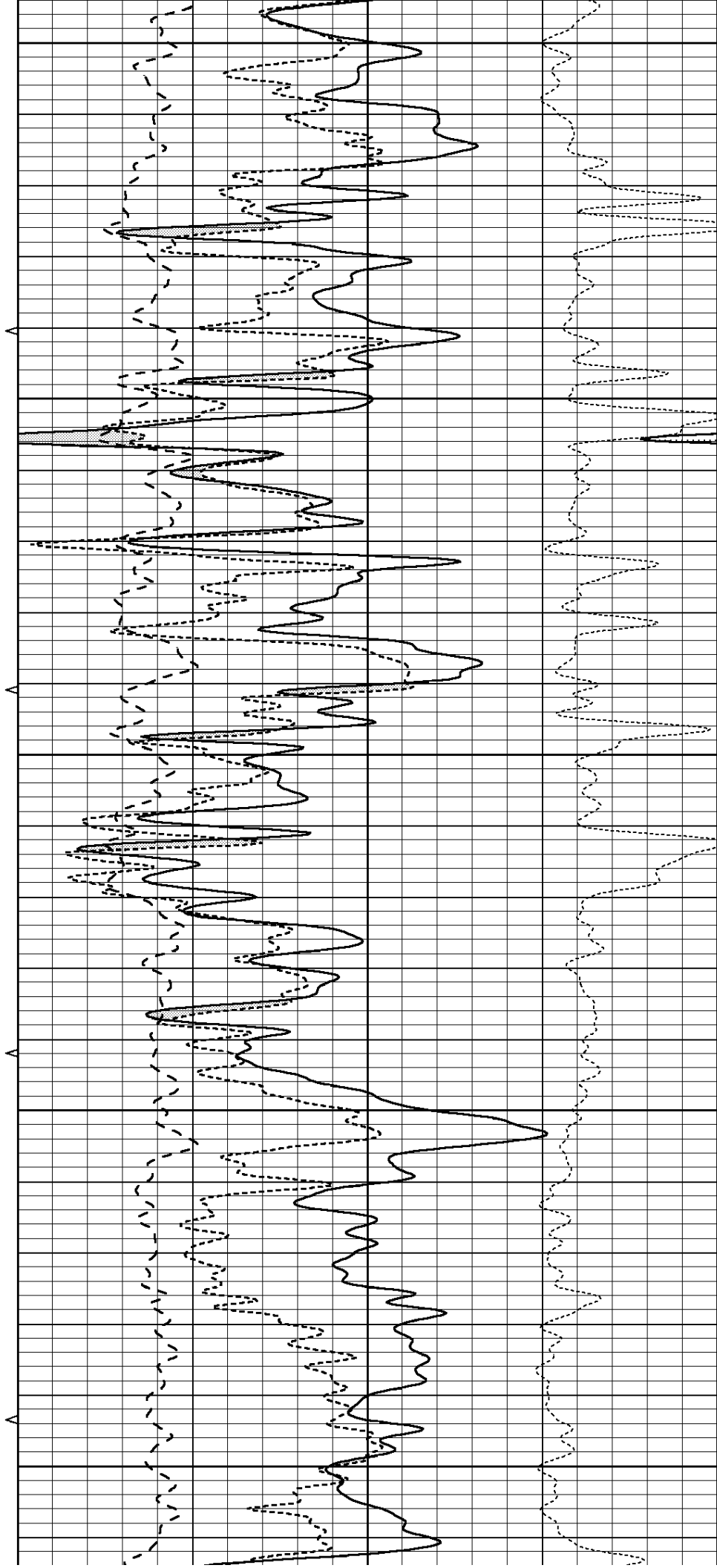
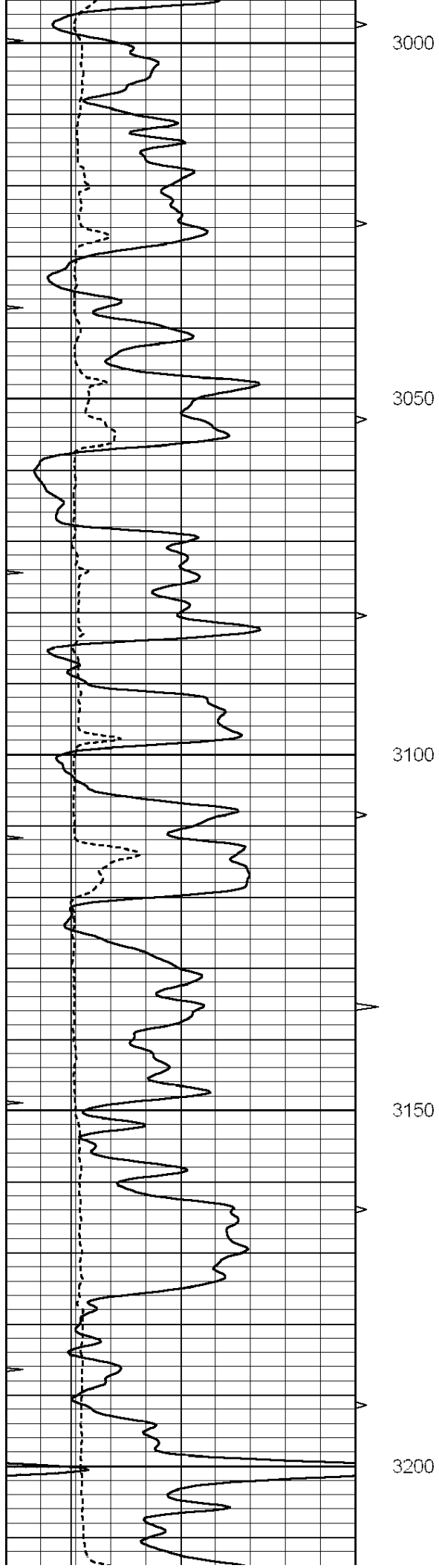
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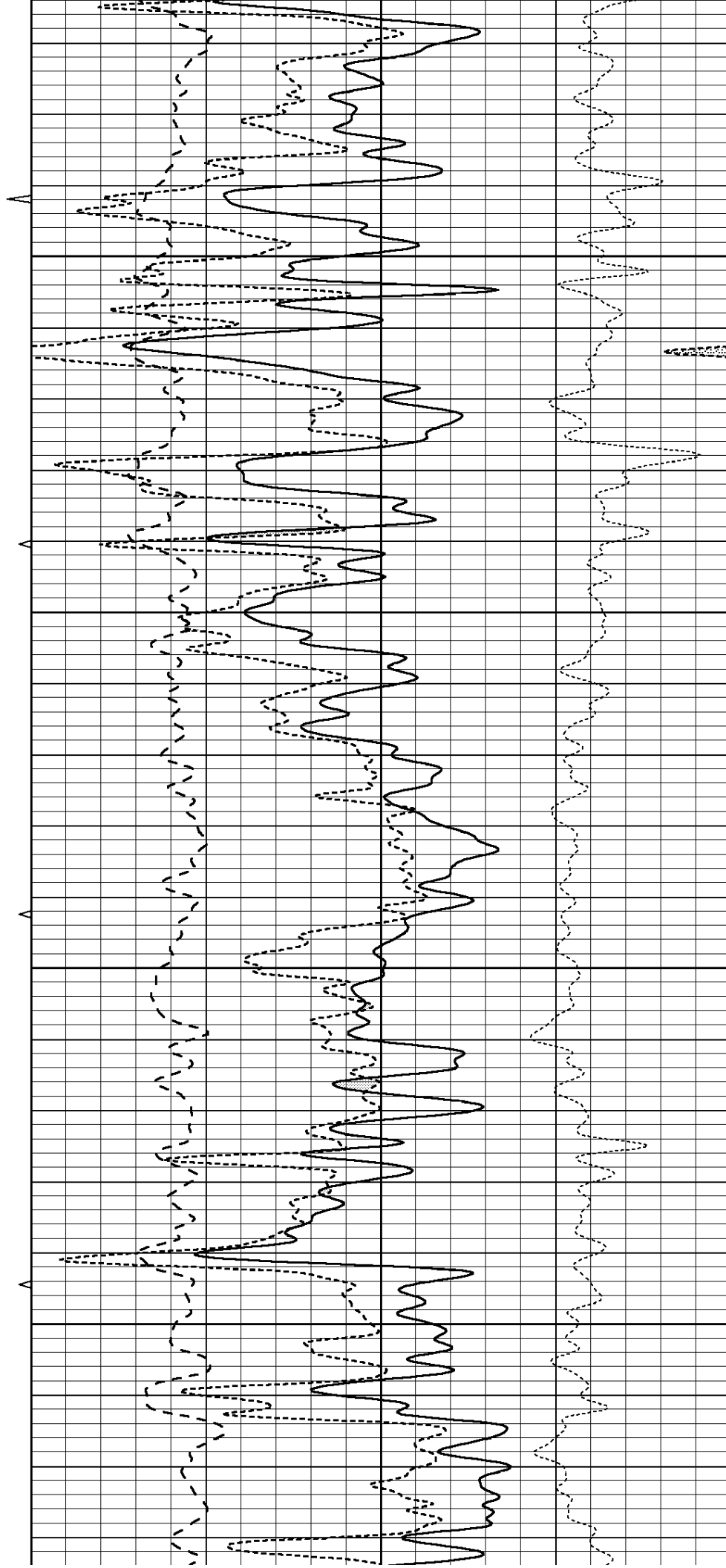
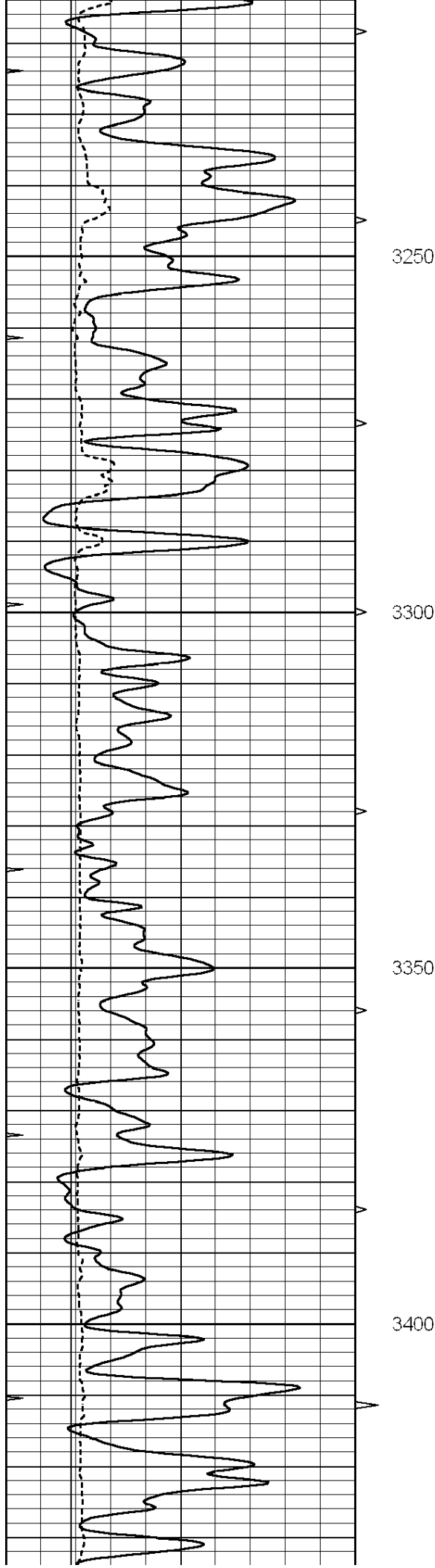
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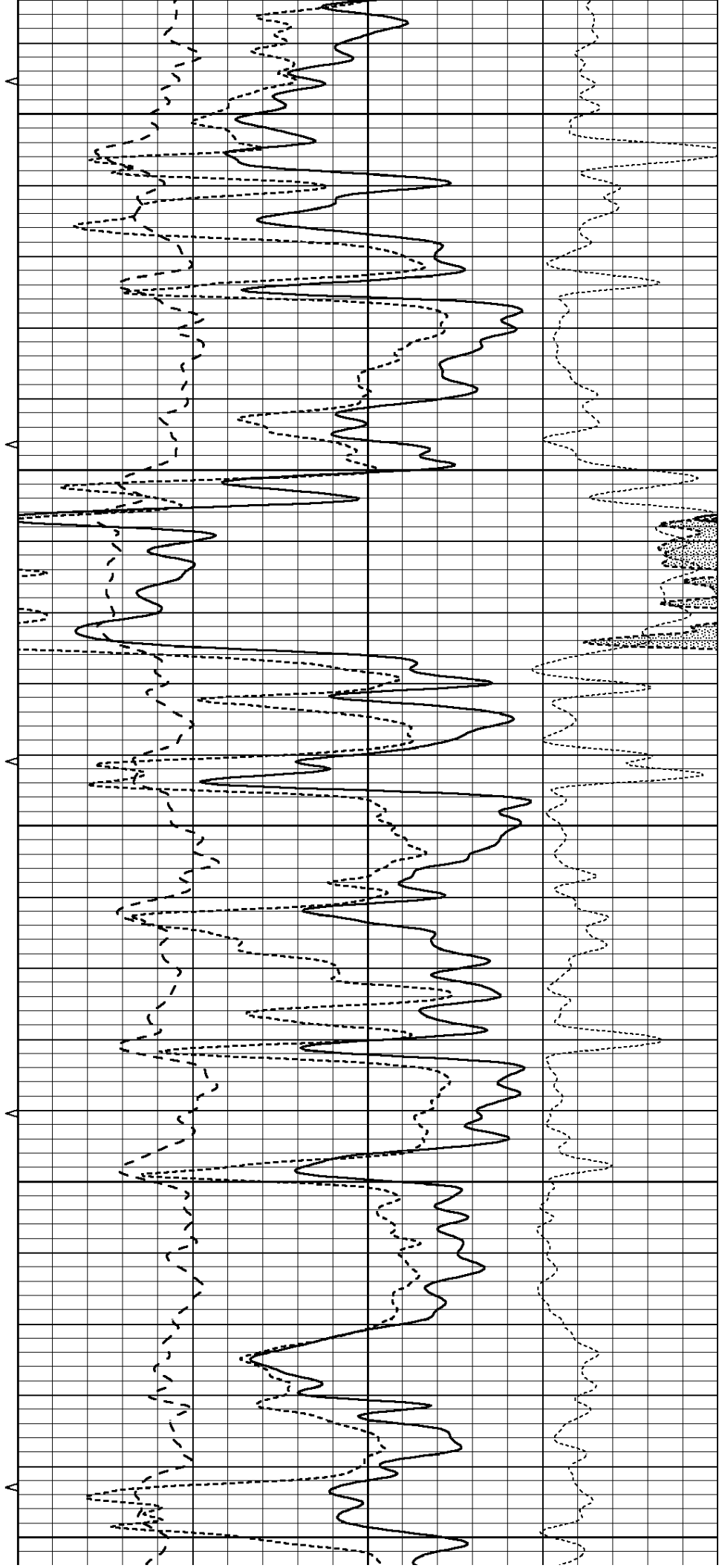
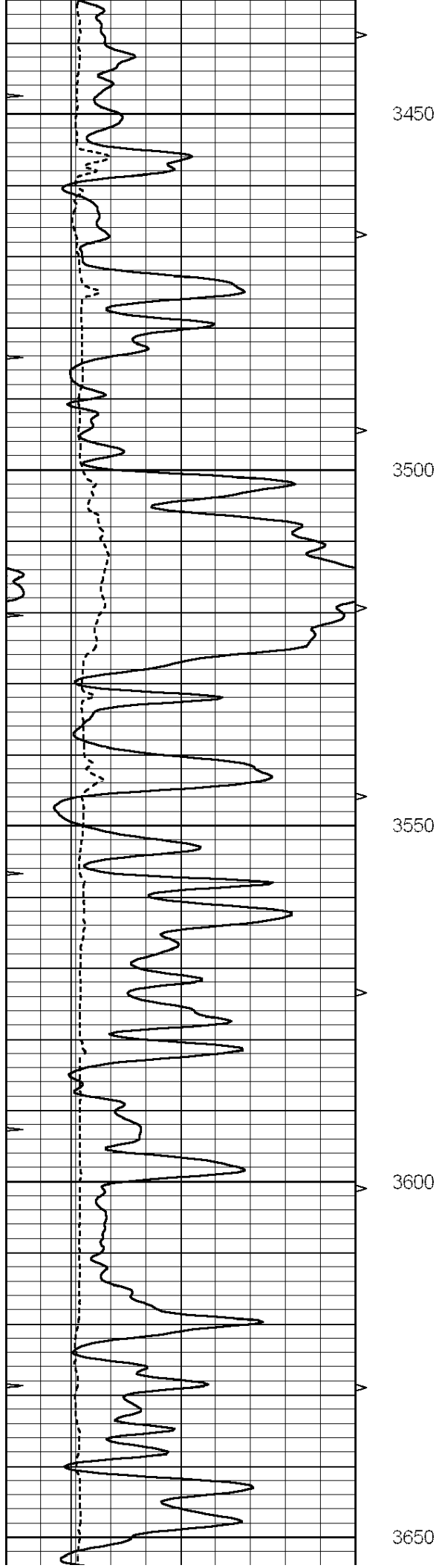
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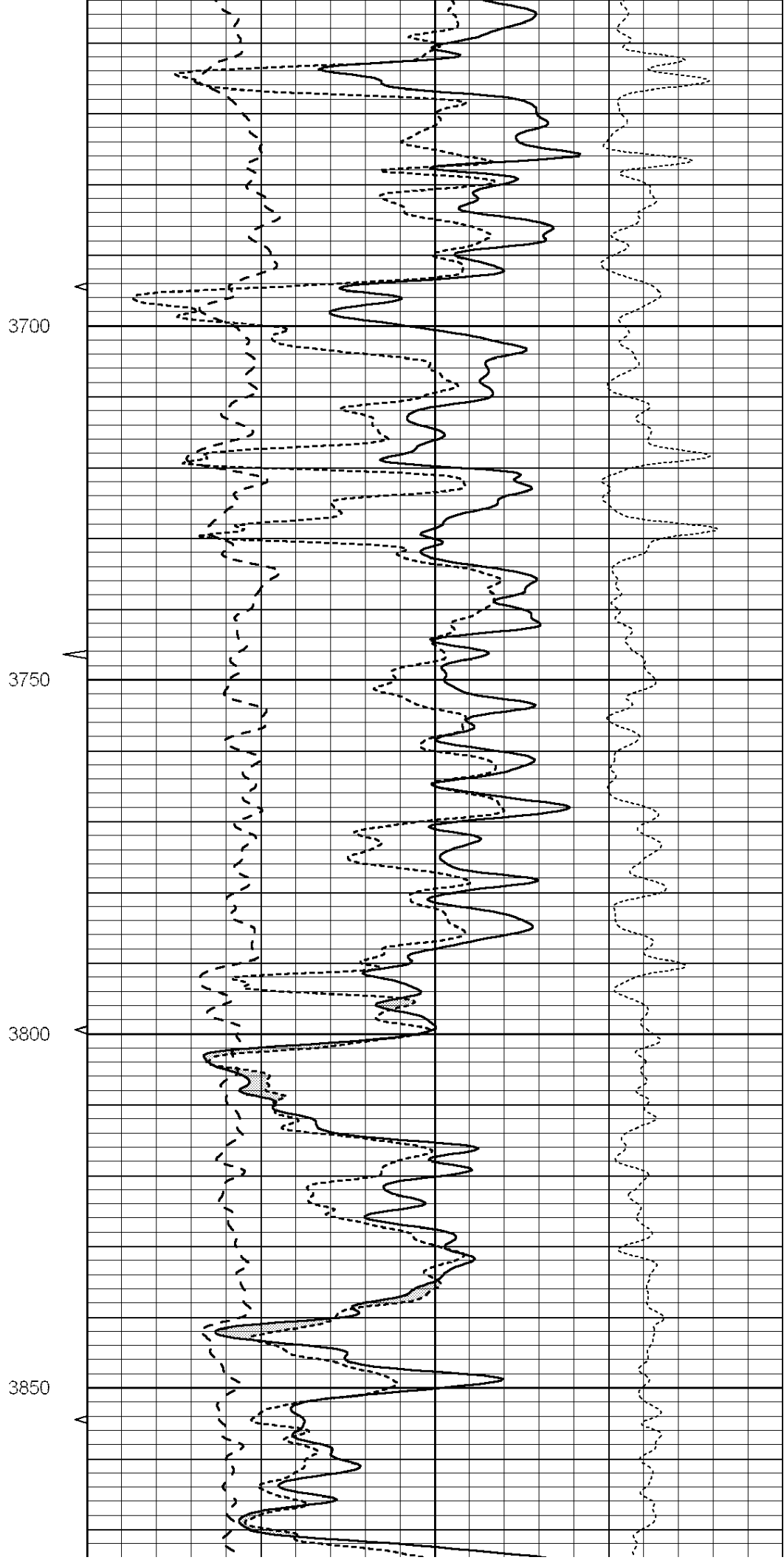
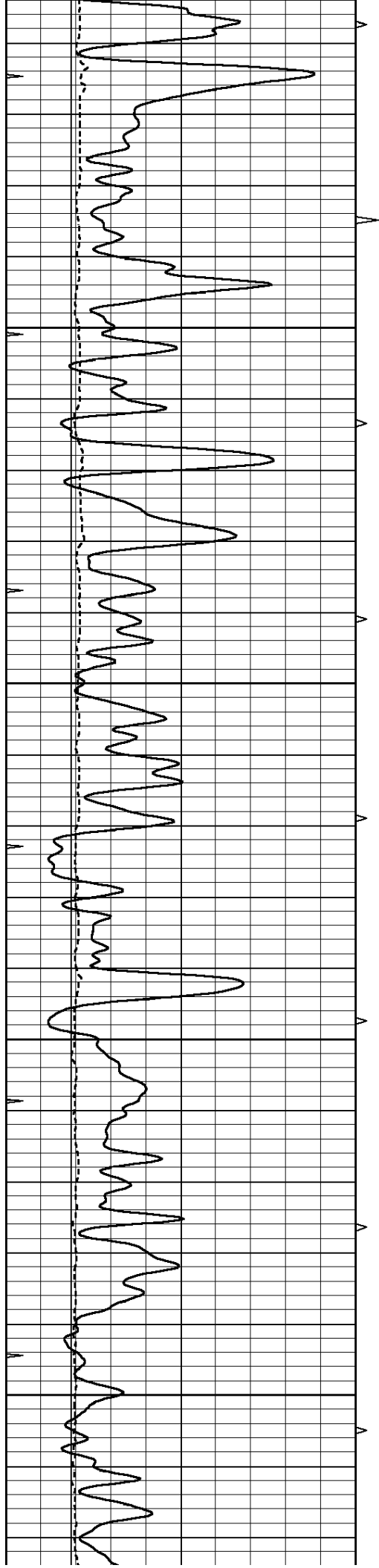
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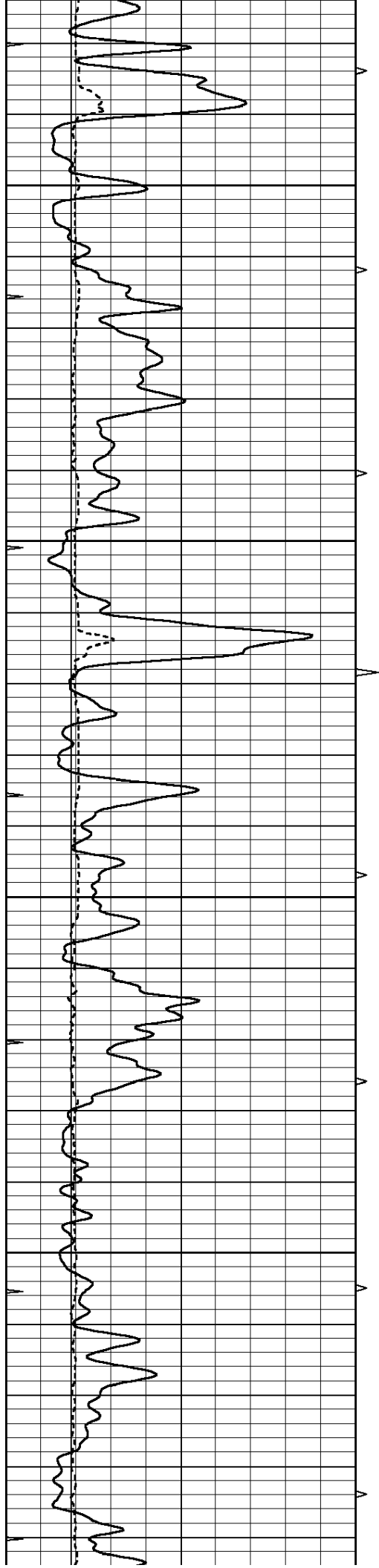










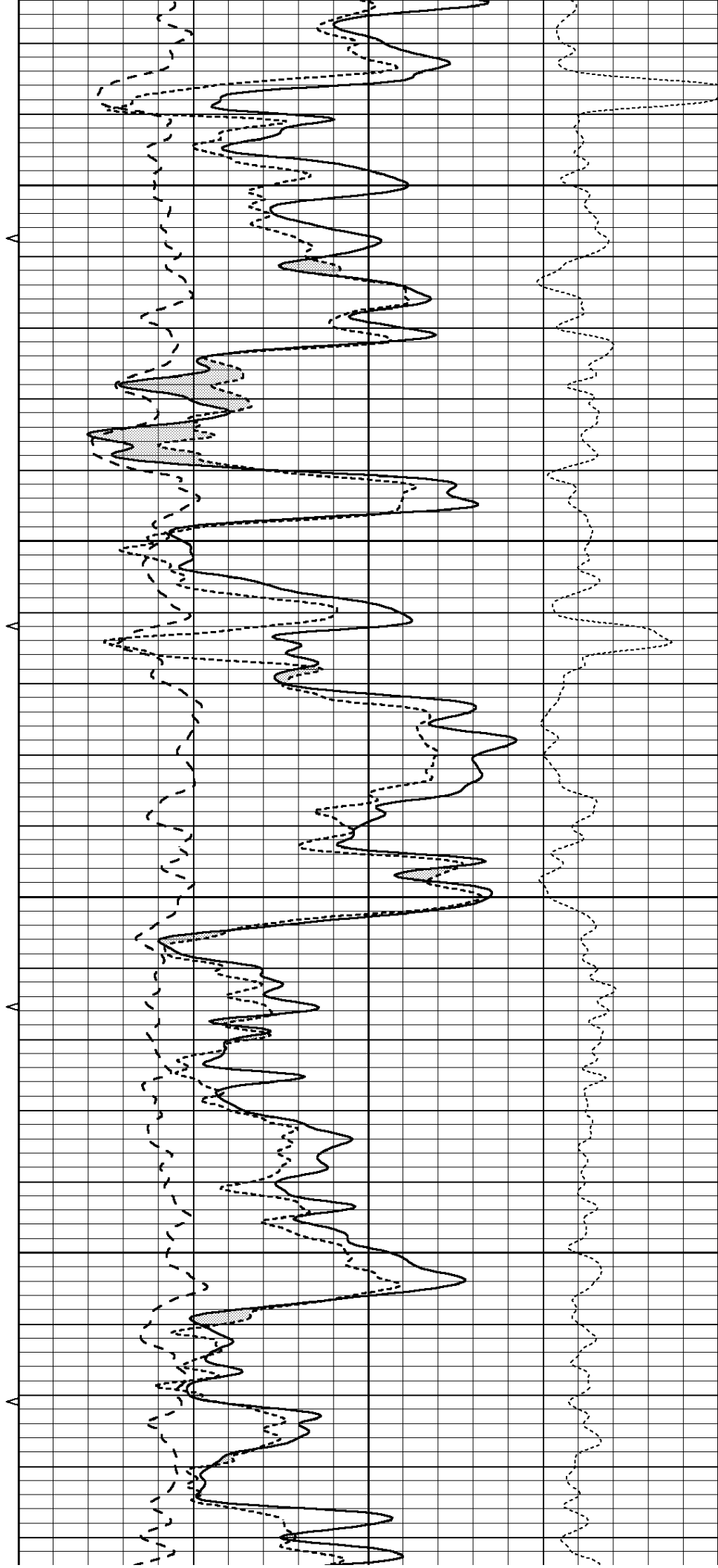


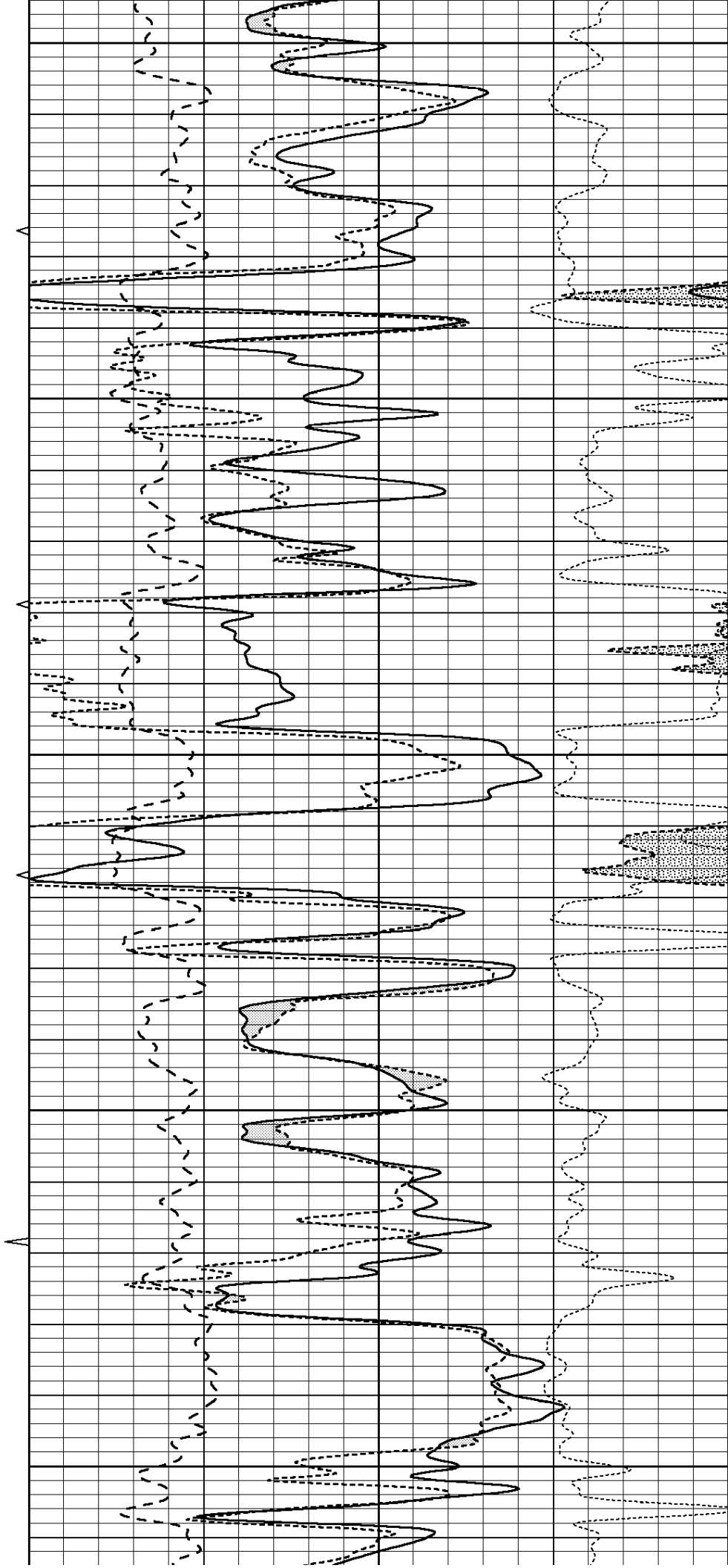
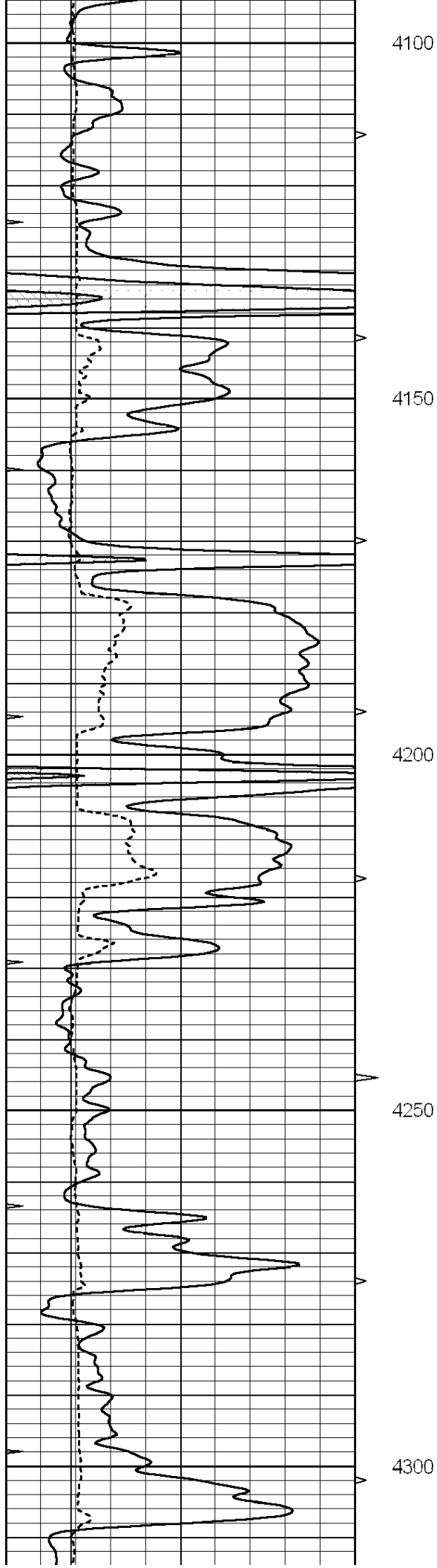
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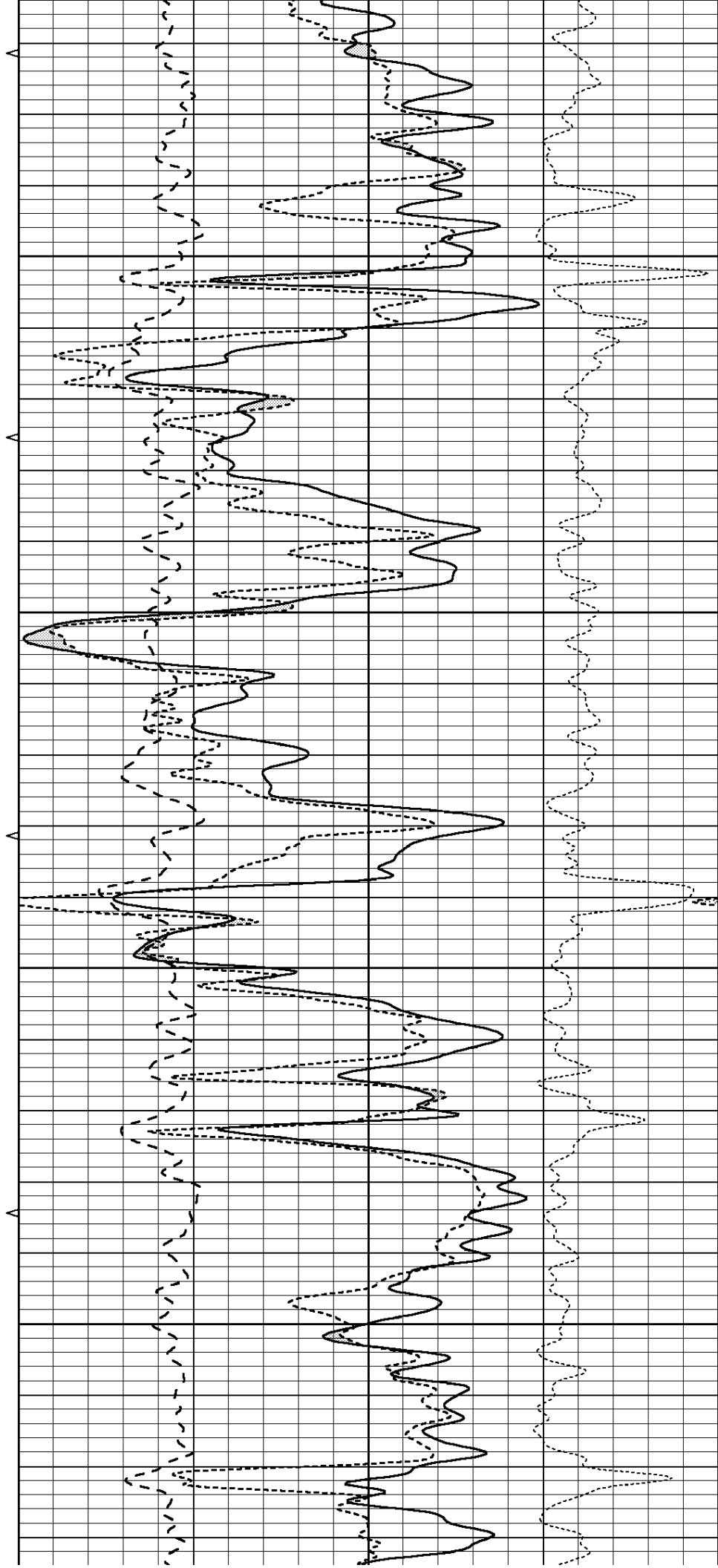
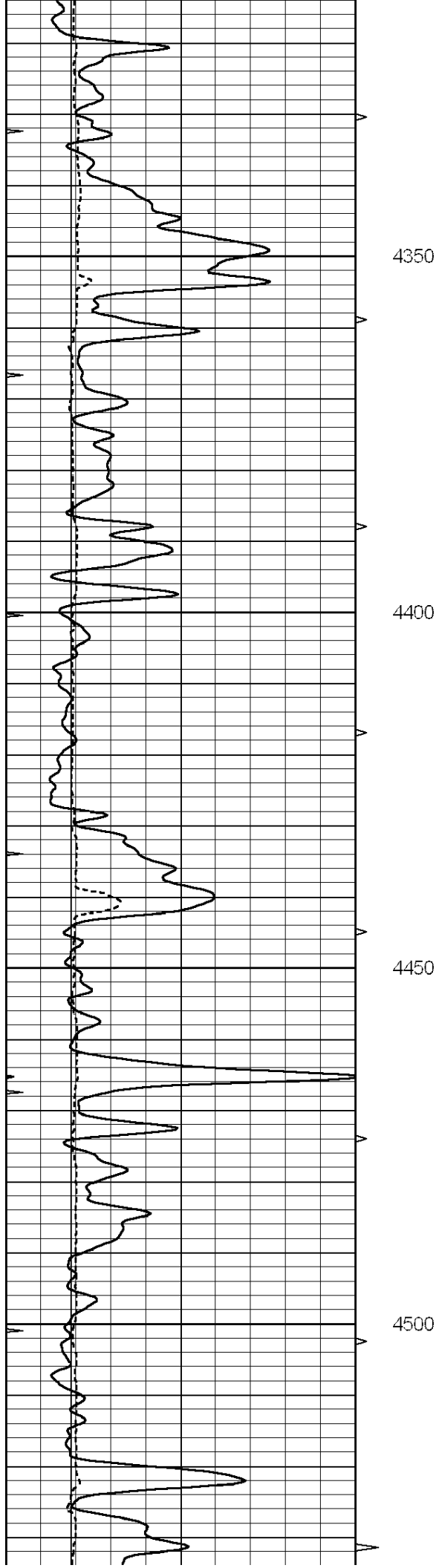
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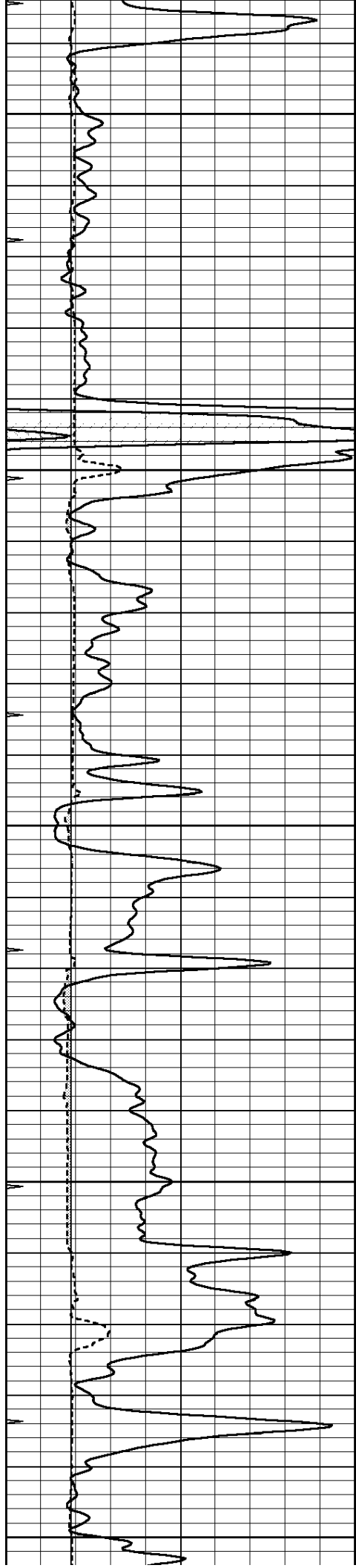
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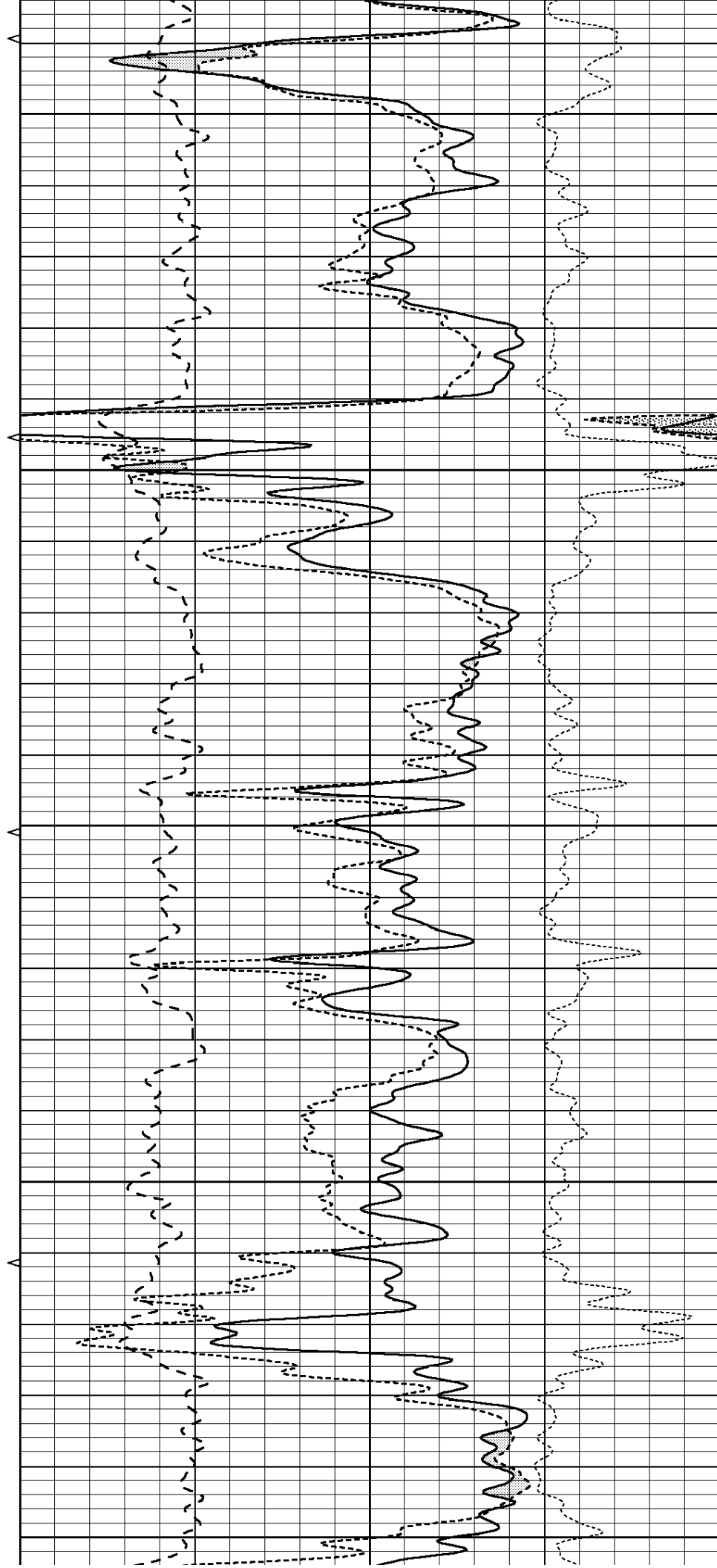
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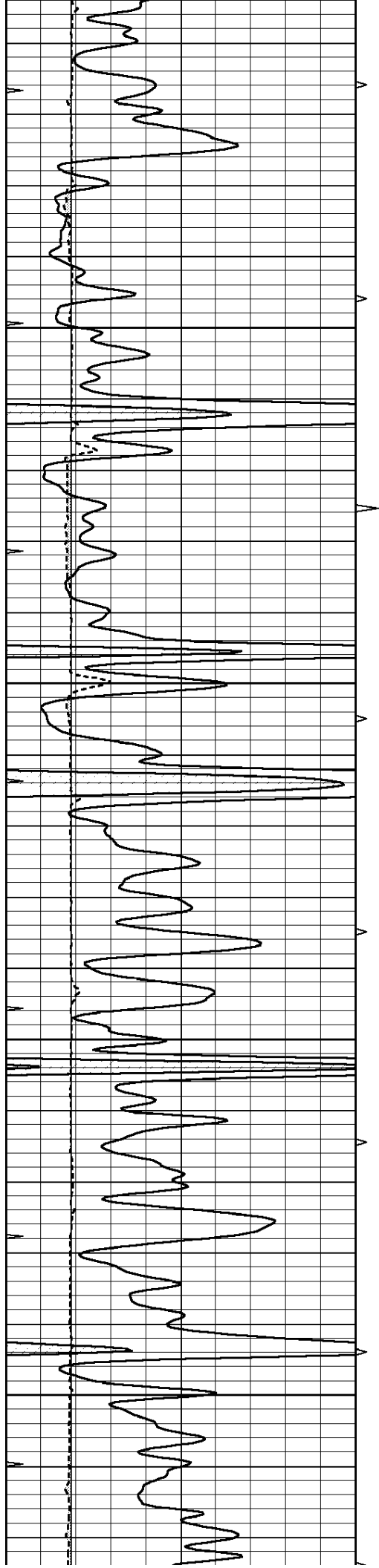
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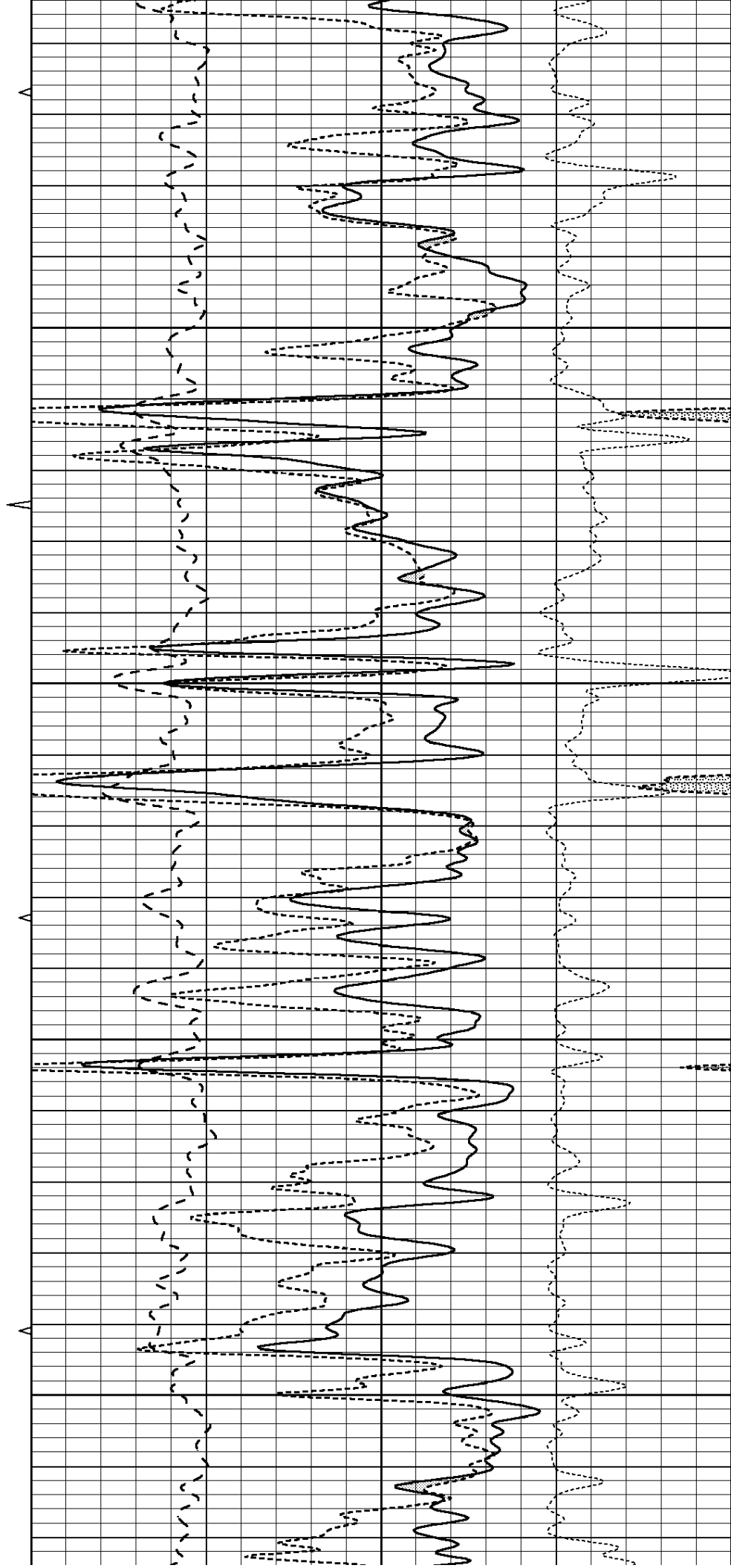


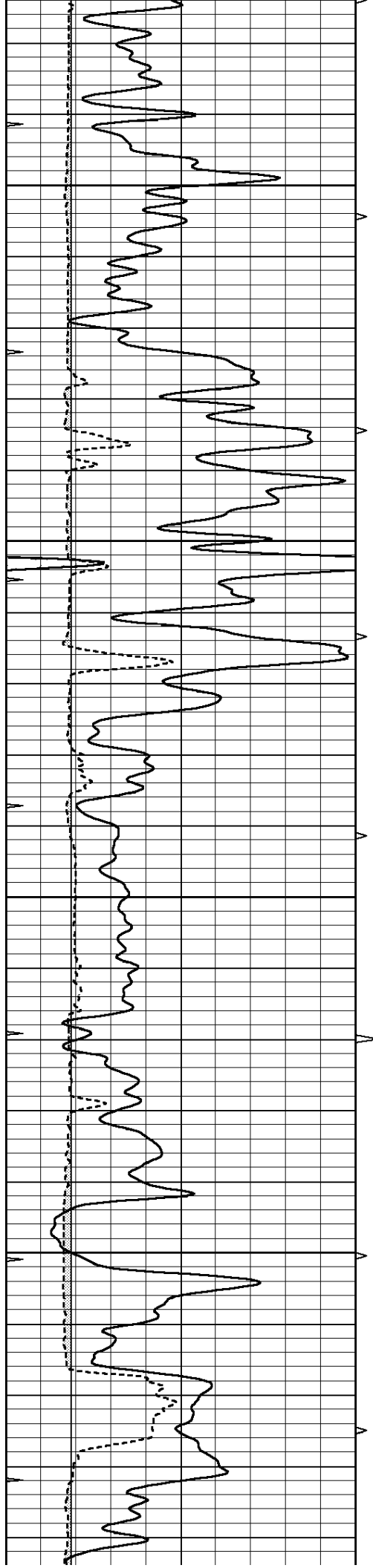
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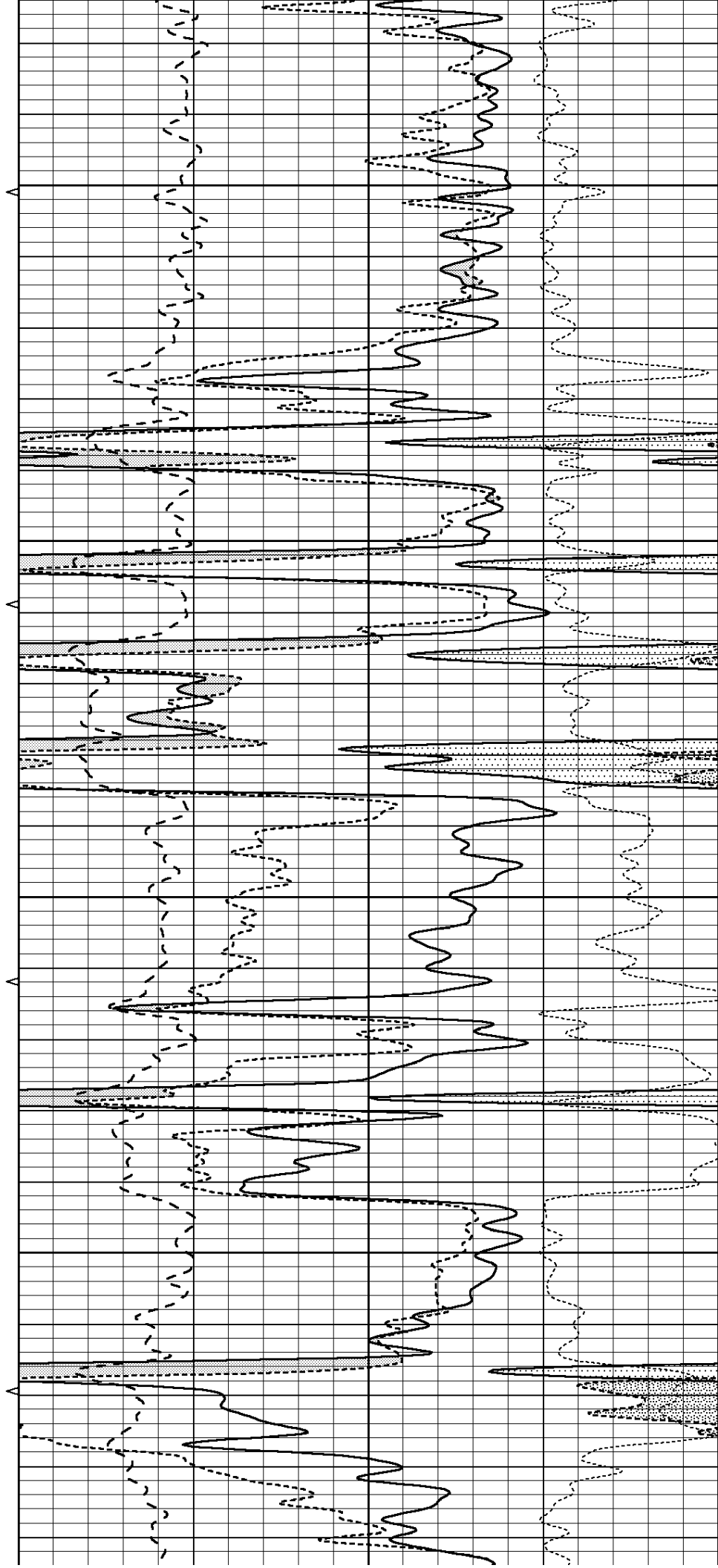


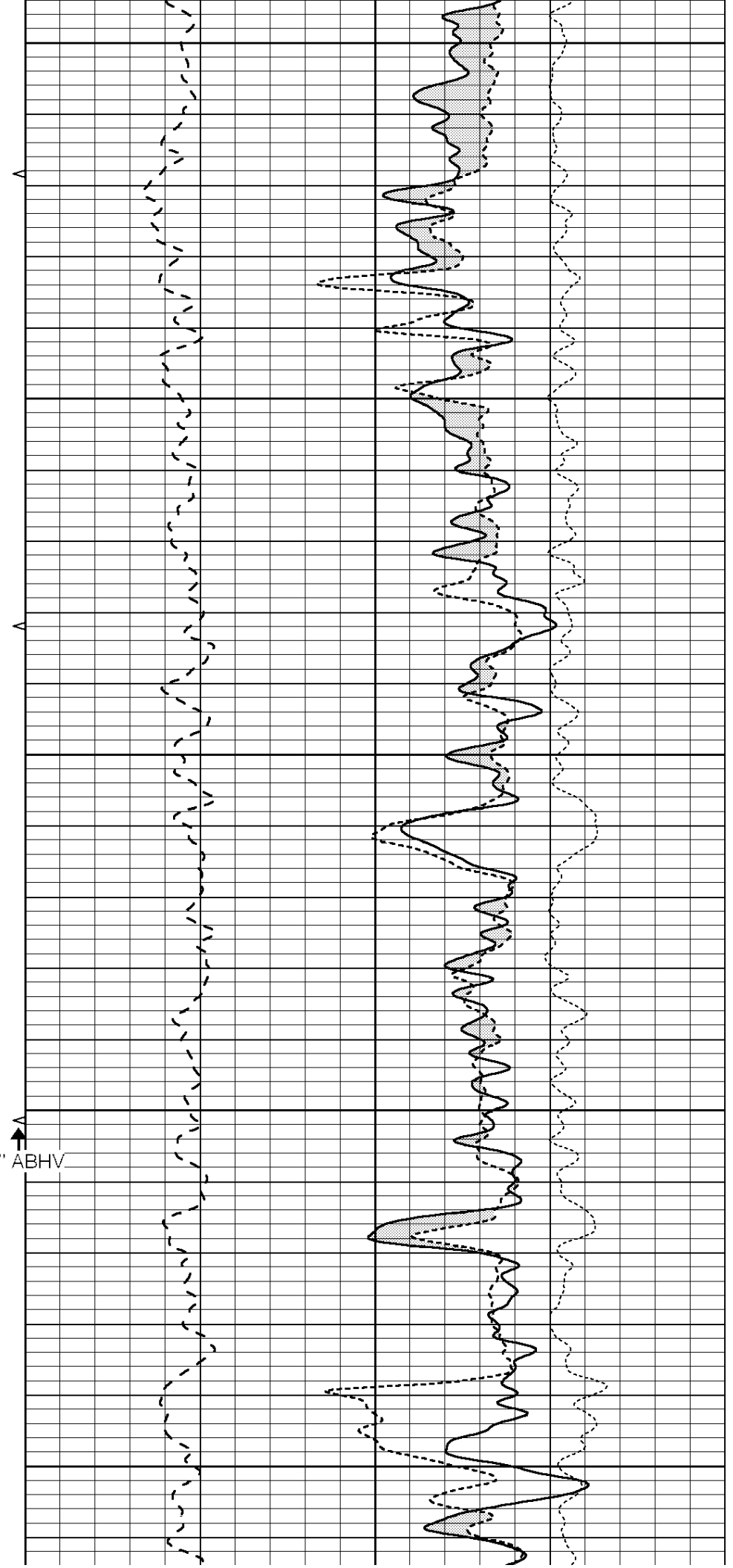
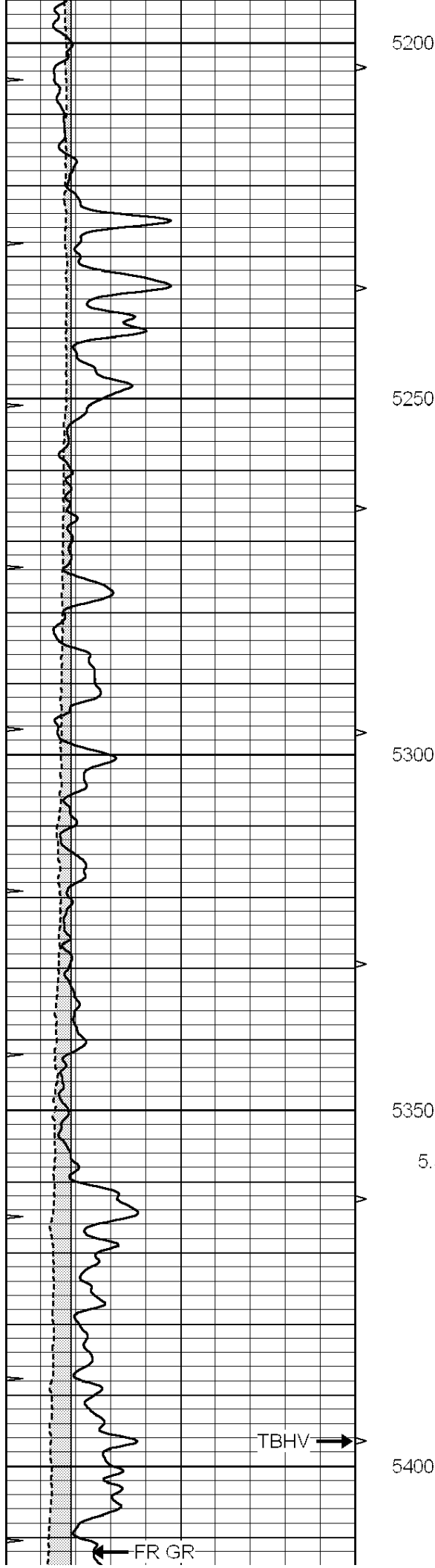
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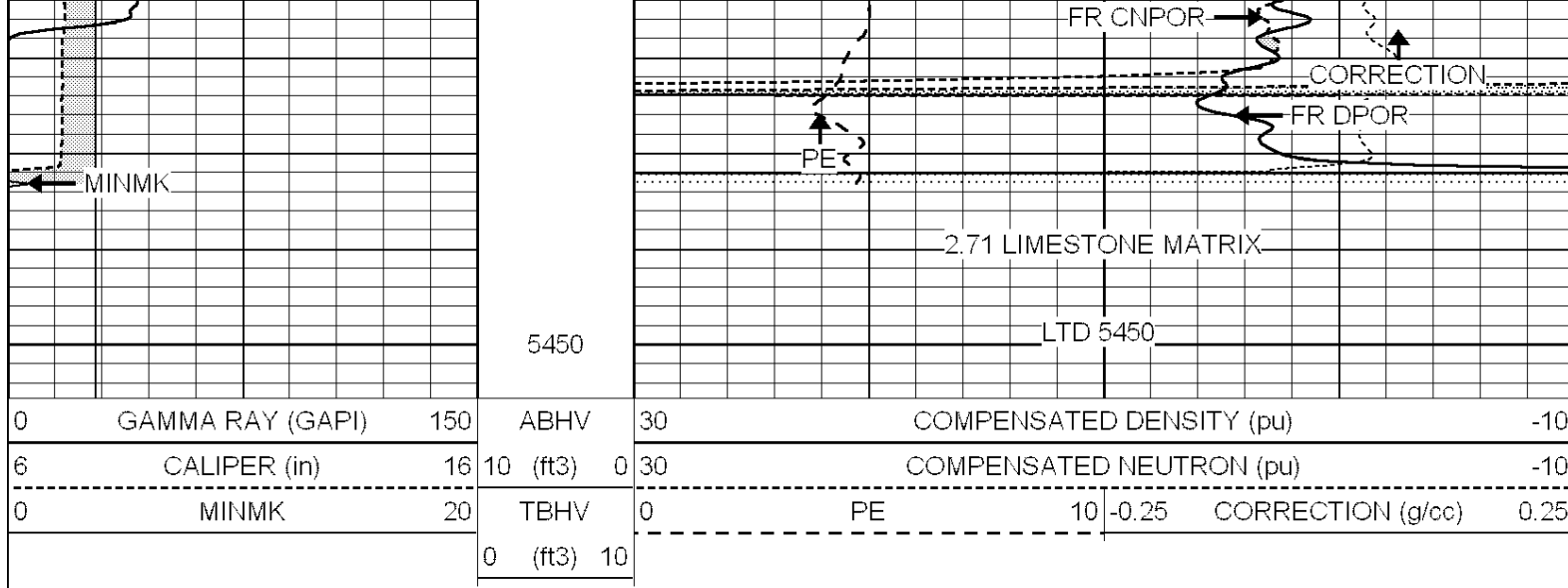
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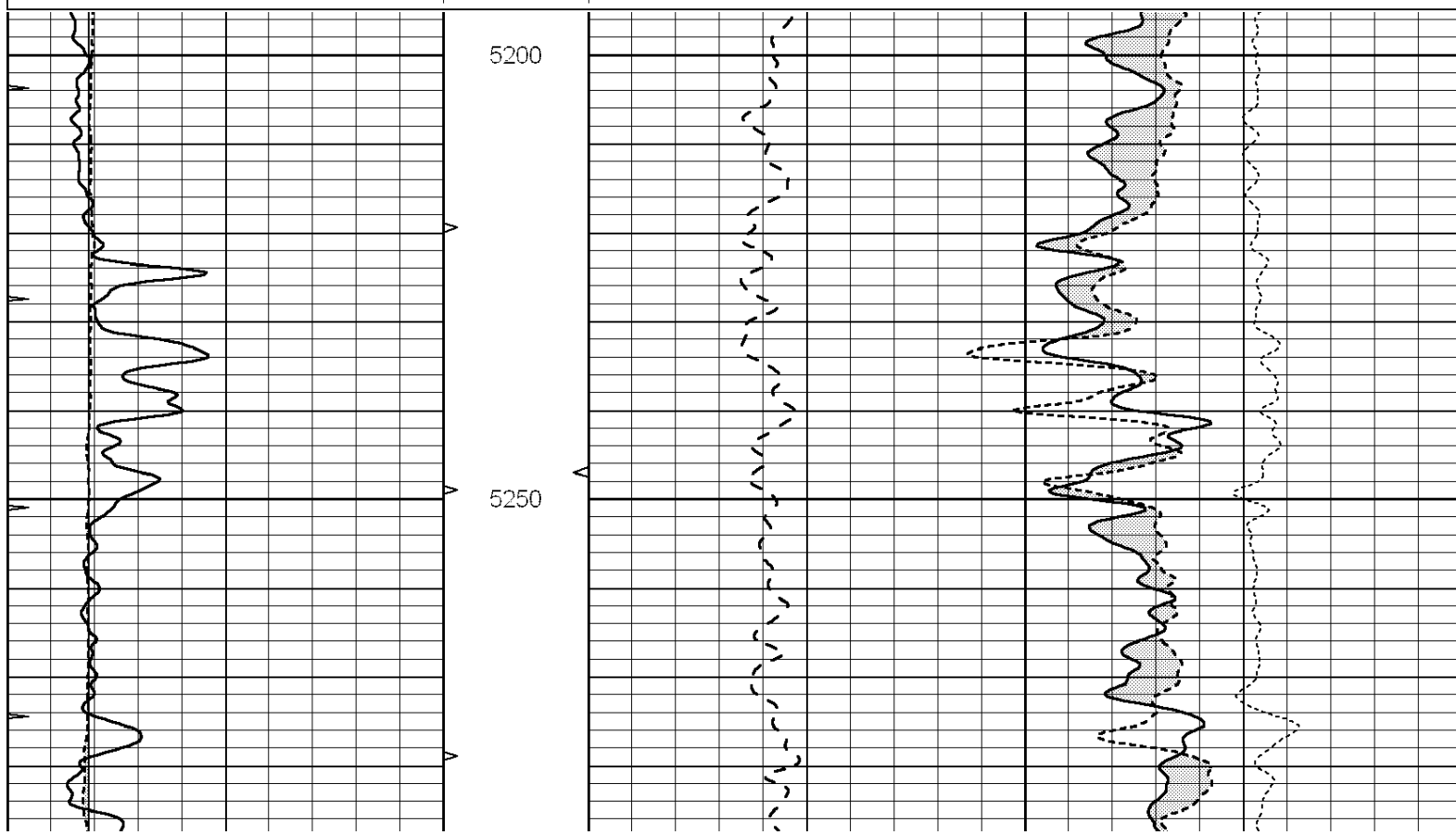
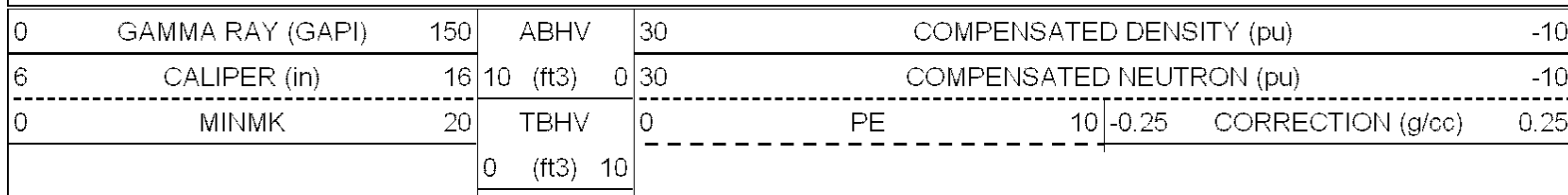


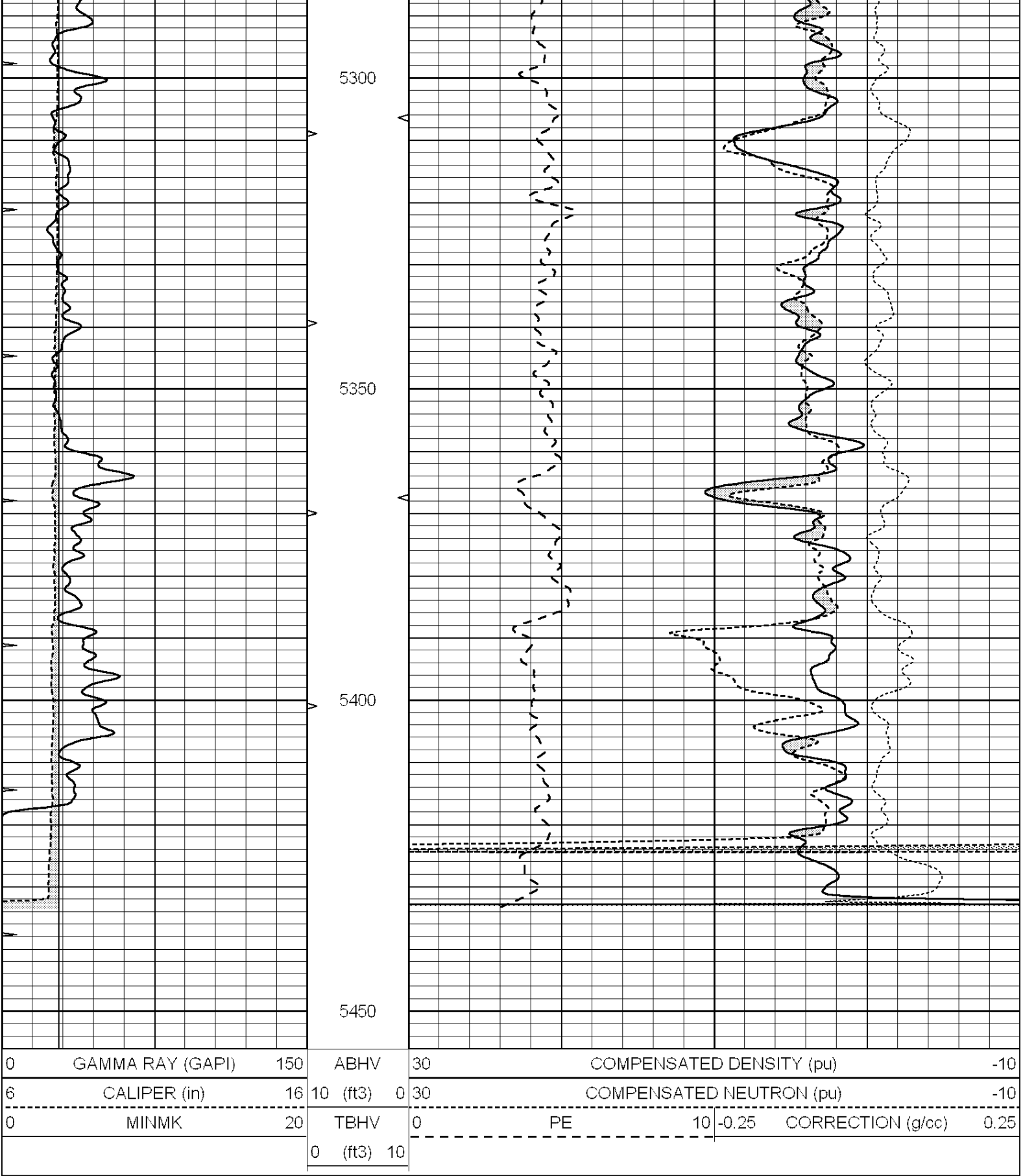


**COMPLETION
& PRODUCTION
SERVICES CO.**

REPEAT SECTION

Database File: 25875pe.db
 Dataset Pathname: pass2.8
 Presentation Format: ldt_neu
 Dataset Creation: Wed Sep 03 15:12:47 2014 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 25875pe.db
Dataset Pathname: pass3.7
Dataset Creation: Wed Sep 03 15:50:04 2014 by Calc SOC 120430

Dual Induction Calibration Report

Surface Calibration								
Readings			References				Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	670.000	-12.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	670.000	-24.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration								
Readings			References				Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	mmho-m		

After Survey Verification								
Readings			Targets				Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report								
Serial: 004N			Model: PRB					

Master Calibration					Performed Fri May 30 11:01:00 2014			
	Background	Magnesium	Aluminum	Sandstone				
Window 1	1378.8	10804.6	3492.0	12453.4				cps
Window 2	1262.4	9313.5	3076.7	10594.7				cps
Window 3	1077.6	5668.7	2076.0	6314.8				cps
Window 4	306.4	313.0	306.4	315.6				cps
Long Space	0.0	8051.0	1814.3	9332.3				cps
Short Space	1.9	1706.1	1146.0	1707.6				cps
Rho		1.7100	2.5900	1.3800				g/cc
Pe		0.0000	2.5700	1.5500				
Rib Angle	: 45.0	Rib Slope	: 1.002	Density/Spine Ratio				: 0.571
Spine Angle	: 75.0	Spine Slope	: 3.745	Spine Intercept				: -18.9

Before Survey Verification					Performed Wed Dec 31 18:00:00 1969			
Window 1	0.0	0.0	0.0	0.0				cps
Window 2	0.0	0.0	0.0	0.0				cps
Window 3	0.0	0.0	0.0	0.0				cps
Window 4	0.0	0.0	0.0	0.0				cps
Long Space	0.0	0.0	0.0	0.0				cps
Short Space	0.0	0.0	0.0	0.0				cps

Measured Rho	0.0000	0.0000	0.0000	g/cc
Measured Correction	0.0000	0.0000	0.0000	g/cc
Measured Pe		0.0000	0.0000	

After Survey Verification		Performed Wed Dec 31 18:00:00 1969			
Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

Compensated Neutron Calibration Report				
Serial Number:		070808		
Tool Model:		Probe		

PRE-SURVEY VERIFICATION				
Detector	Readings	Measured	Target	
Short Space	cps			
Long Space	cps	pu	pu	

POST-SURVEY VERIFICATION				
Detector	Readings	Measured	Target	
Short Space	cps			
Long Space	cps	pu	pu	

Gamma Ray Calibration Report				
Serial Number:	070558			
Tool Model:	OPEN_GR			
Performed:	Mon Jun 30 21:53:39 2014			
Calibrator Value:	1.0	GAPI		
Background Reading:	0.0	cps		
Calibrator Reading:	1.0	cps		
Sensitivity:	0.2800	GAPI/cps		