NABORS COMPLETION & PRODUCTION SERVICES CO.

DUAL RECEIVER CEMENT BOND LOG

Company	GRAND MESA OPERATING COMPANY
Well	GRIFFITH #2-23
Field	WILDCAT
County	SCOTT
State	KANSAS Country USA

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Well GRIFFITH #2-23
Field WILDCAT
County SCOTT
State KANSAS Country USA

Location: API # : 15-171-20988-0000
1429' FSL & 775' FEL
SE - SW - NE - SE
SEC 23 TWP 16S RGE 33W

Other Services

Permanent Datum GROUND LEVEL Elevation 2968
Log Measured From KELLY BUSHING 9' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2978
D.F. 2976
G.L. 2968

Date	11-7-13
Run Number	ONE
Depth Driller	4810
Depth Logger	4750
Bottom Logged Interval	4748
Top Log Interval	3000
Open Hole Size	7 7/8
Type Fluid	WATER
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	3100
Time Well Ready	
Time Logger on Bottom	
Equipment Number	788
Location	HAYS, KS
Recorded By	JEREMY SEIB
Witnessed By	JOHN JOHNSON

Borehole Record

Run Number	Bit	From	To
ONE	12 1/4	0	221
TWO	7 7/8	221	4810

Tubing Record

Size	Wgt/Ft	Size	Weight	From	To

Casing Record

	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8		0	221
Prot. String	5 1/2		0	
Production String				
Liner				

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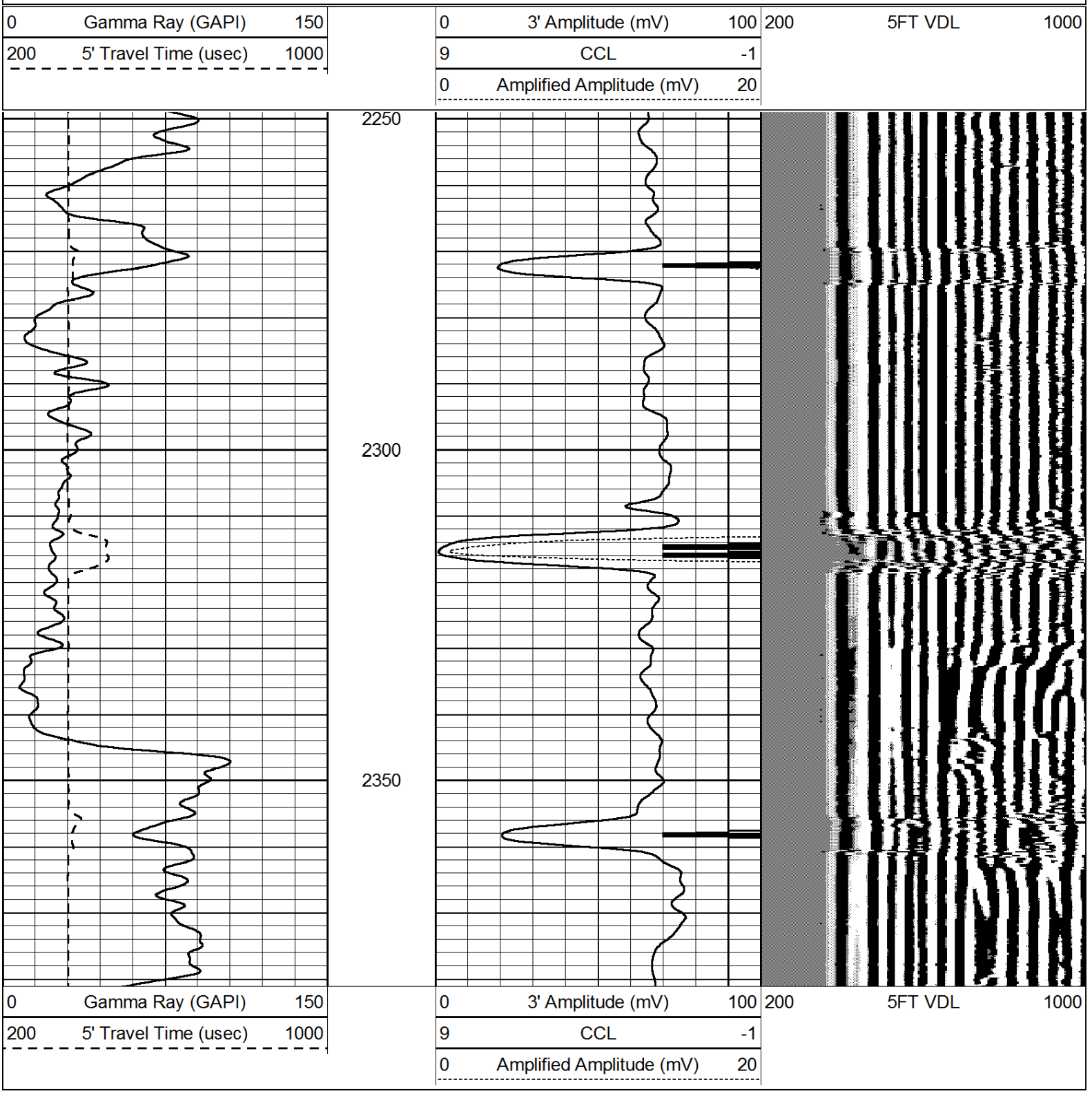
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 SERVICES HAYS, KS (785) 628-6395
DIRECTIONS: OAKELY, KS - SOUTH TO HWY 95 SPUR - WEST TO PENCE RD. - 1 1/2 WEST ON PENCE RD. JUST PAST THE CURVES - SOUTH INTO

Database File:	12111.db
Dataset Pathname:	pass3
Presentation Format:	dcbl02
Dataset Creation:	Thu Nov 07 13:40:54 2013
Charted by:	Depth in Feet scaled 1:240



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Presentation Format: dcbl02
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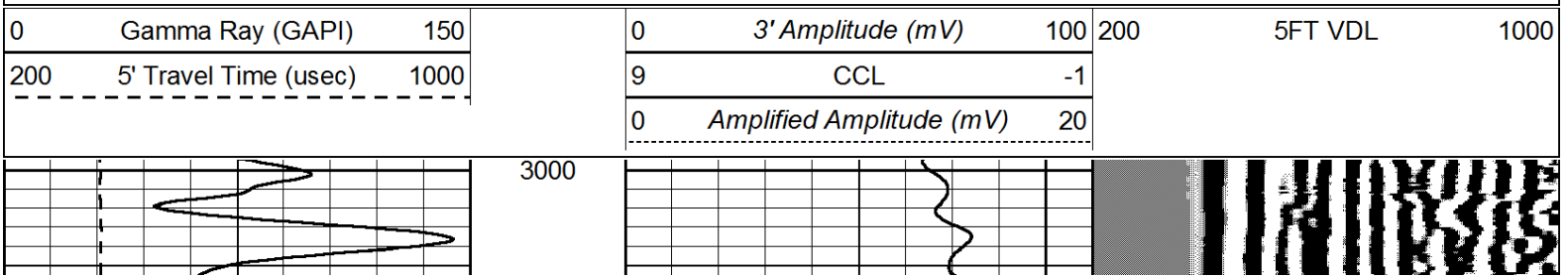
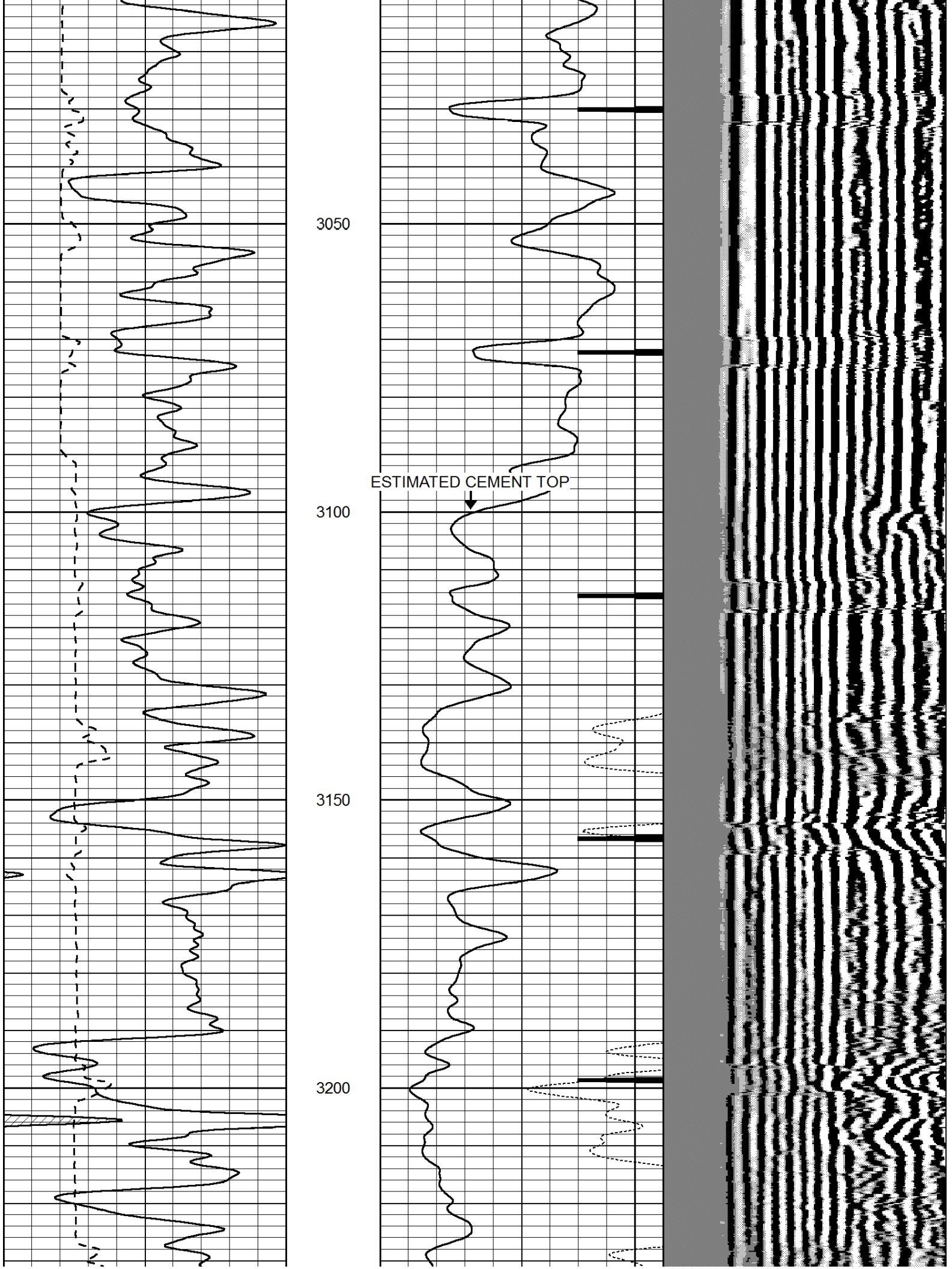
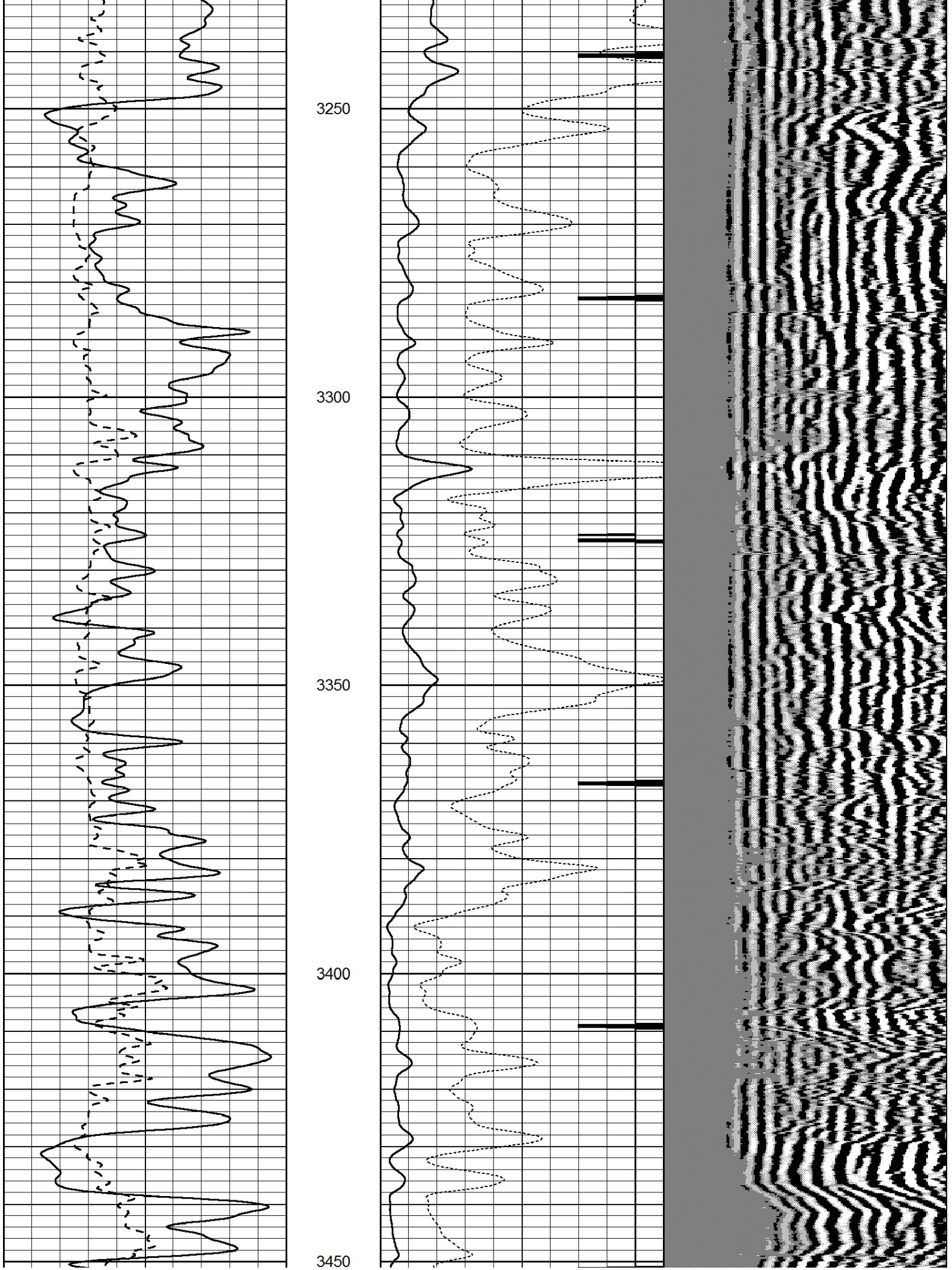
Charted by: Depth in Feet scaled 1:240




3050
ESTIMATED CEMENT TOP
3100
3150
3200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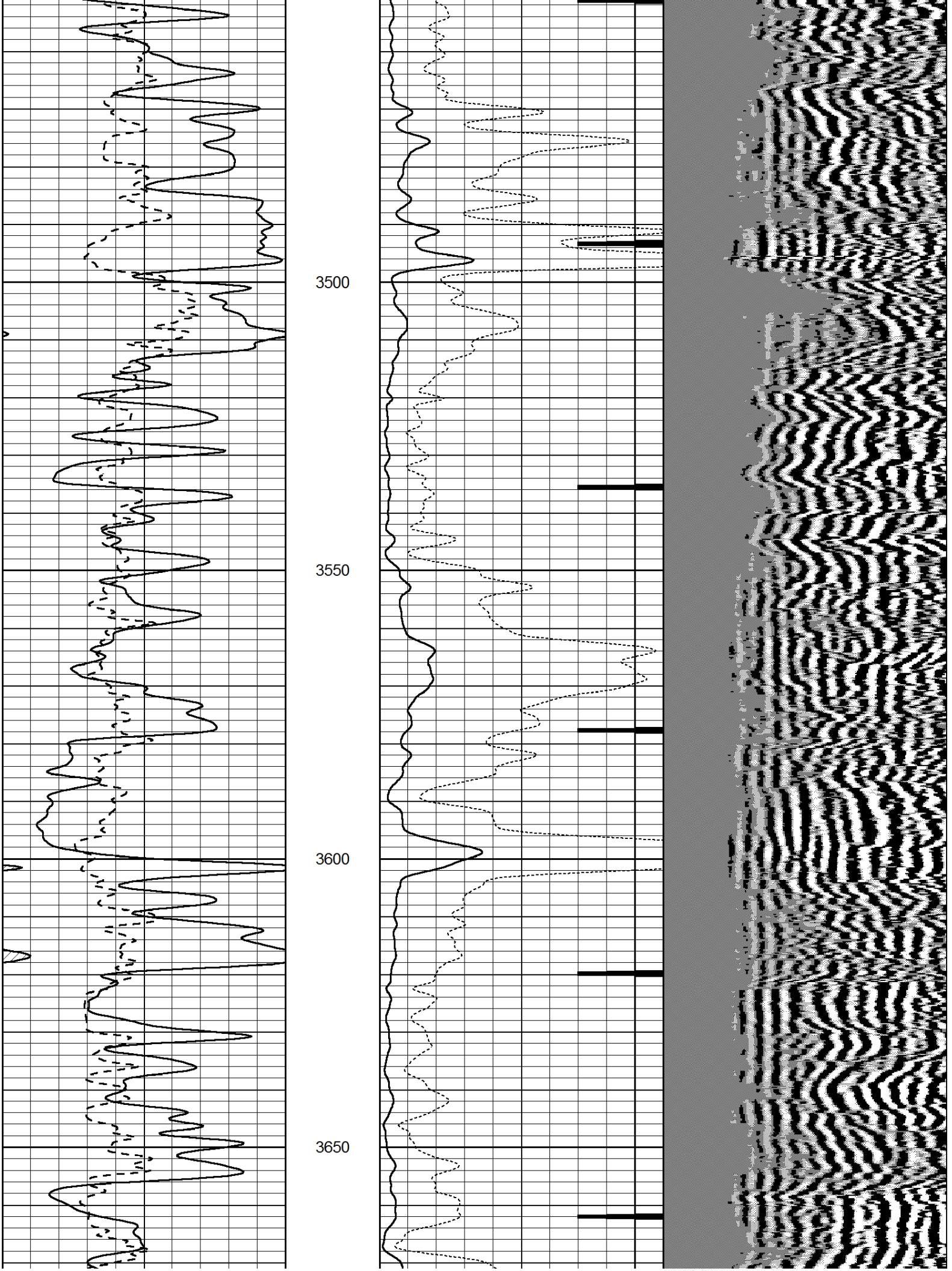
3300
3350
3400
3450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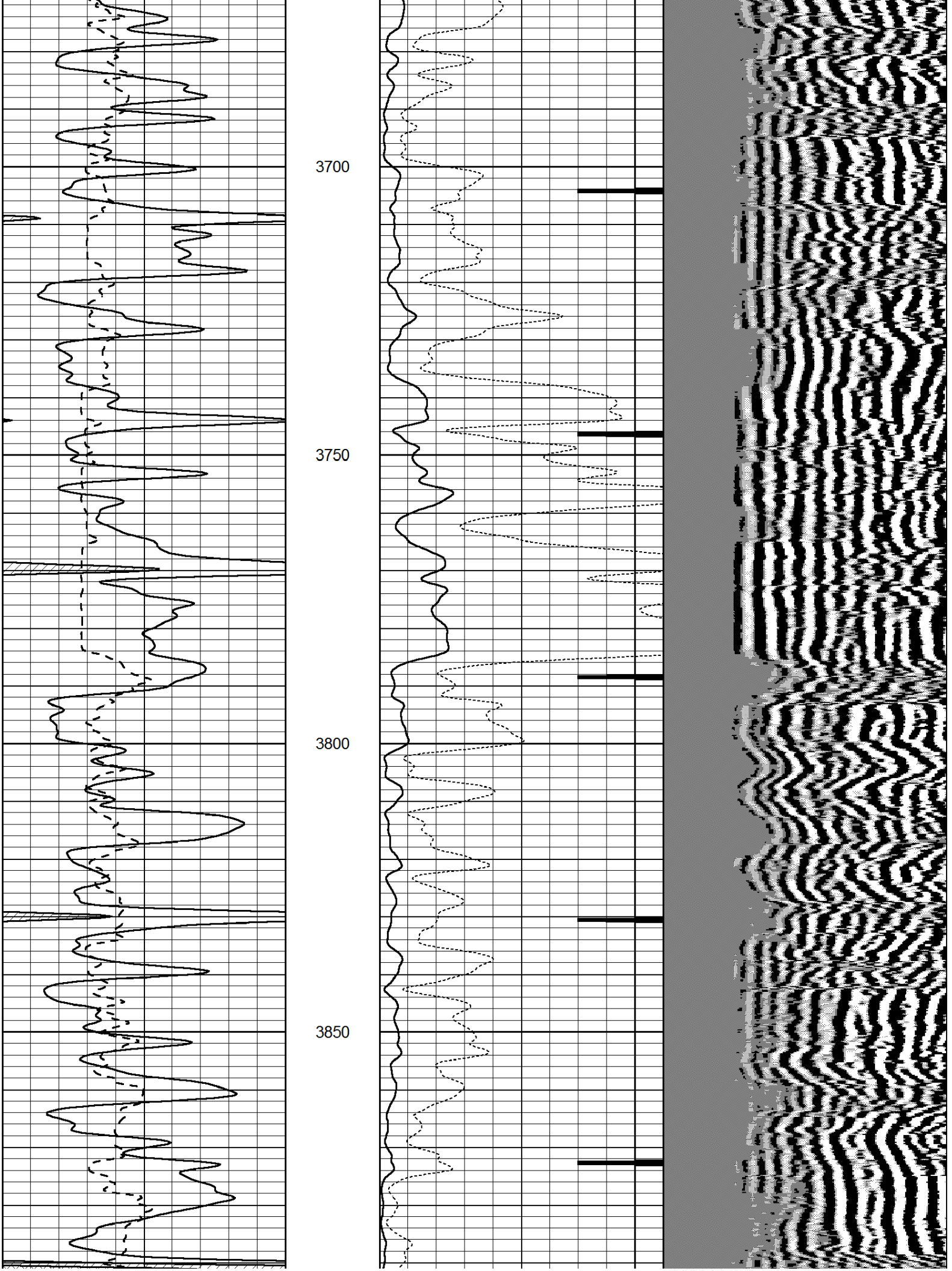
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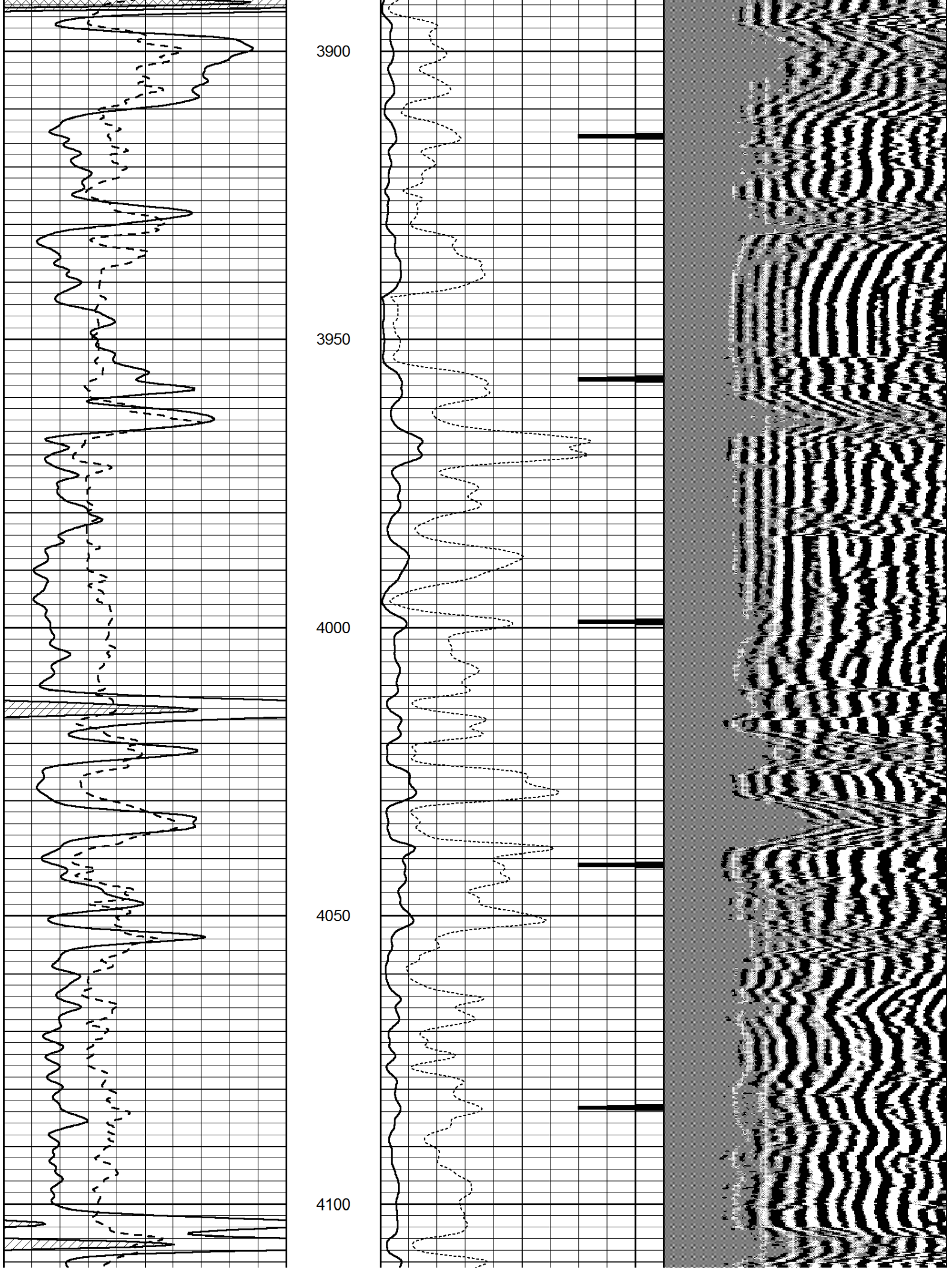
3850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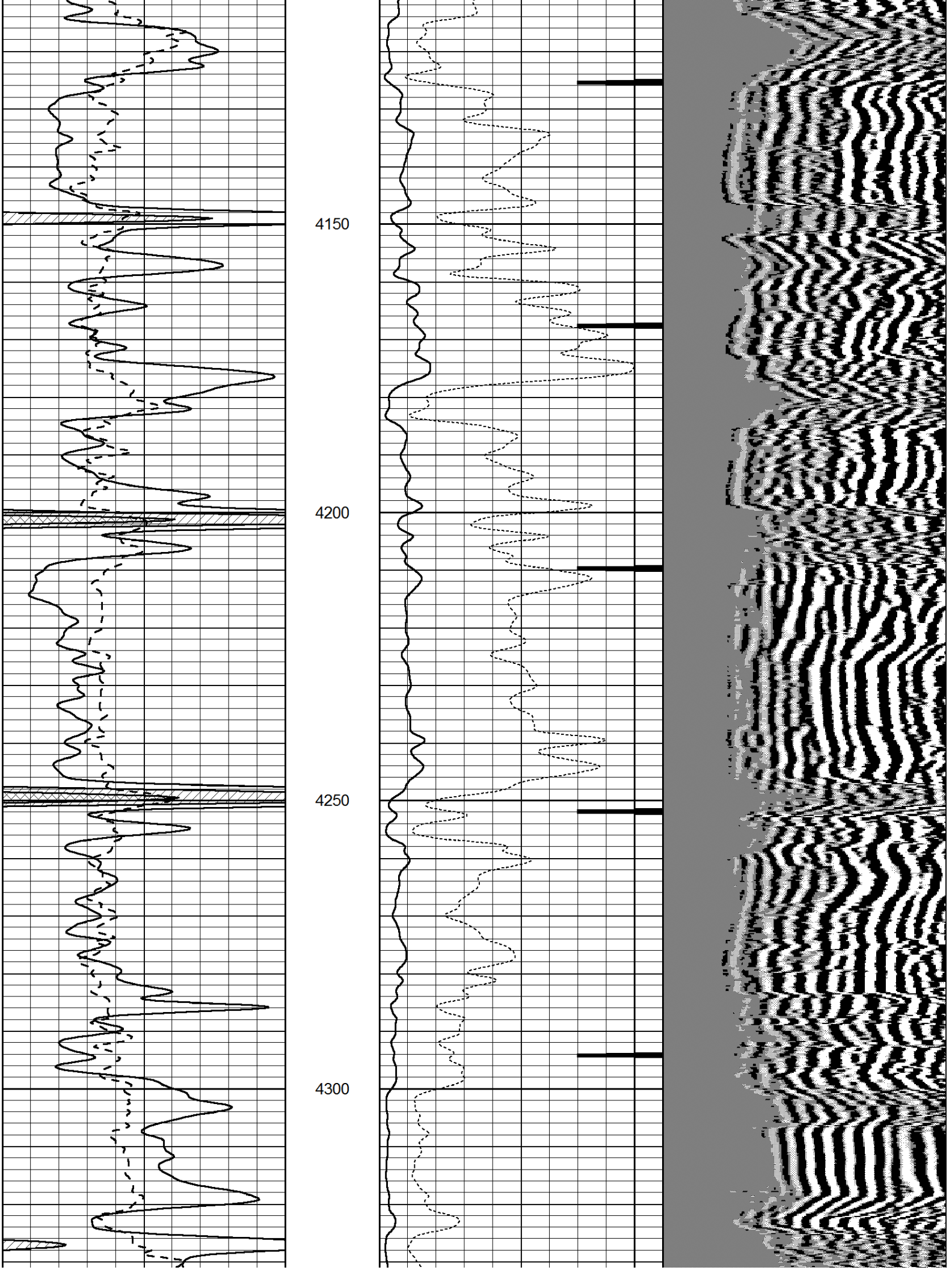
4000
4050
4100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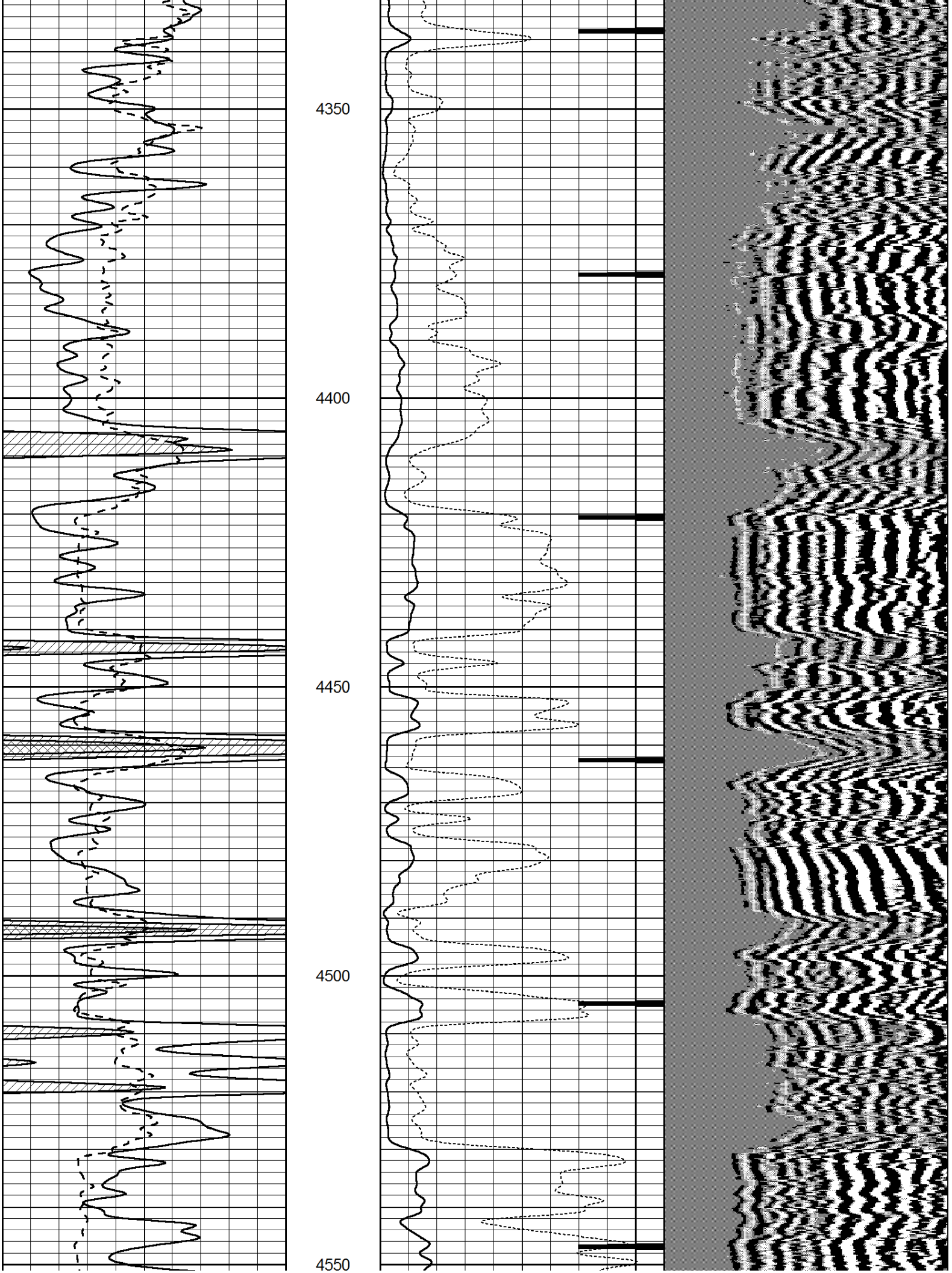
4300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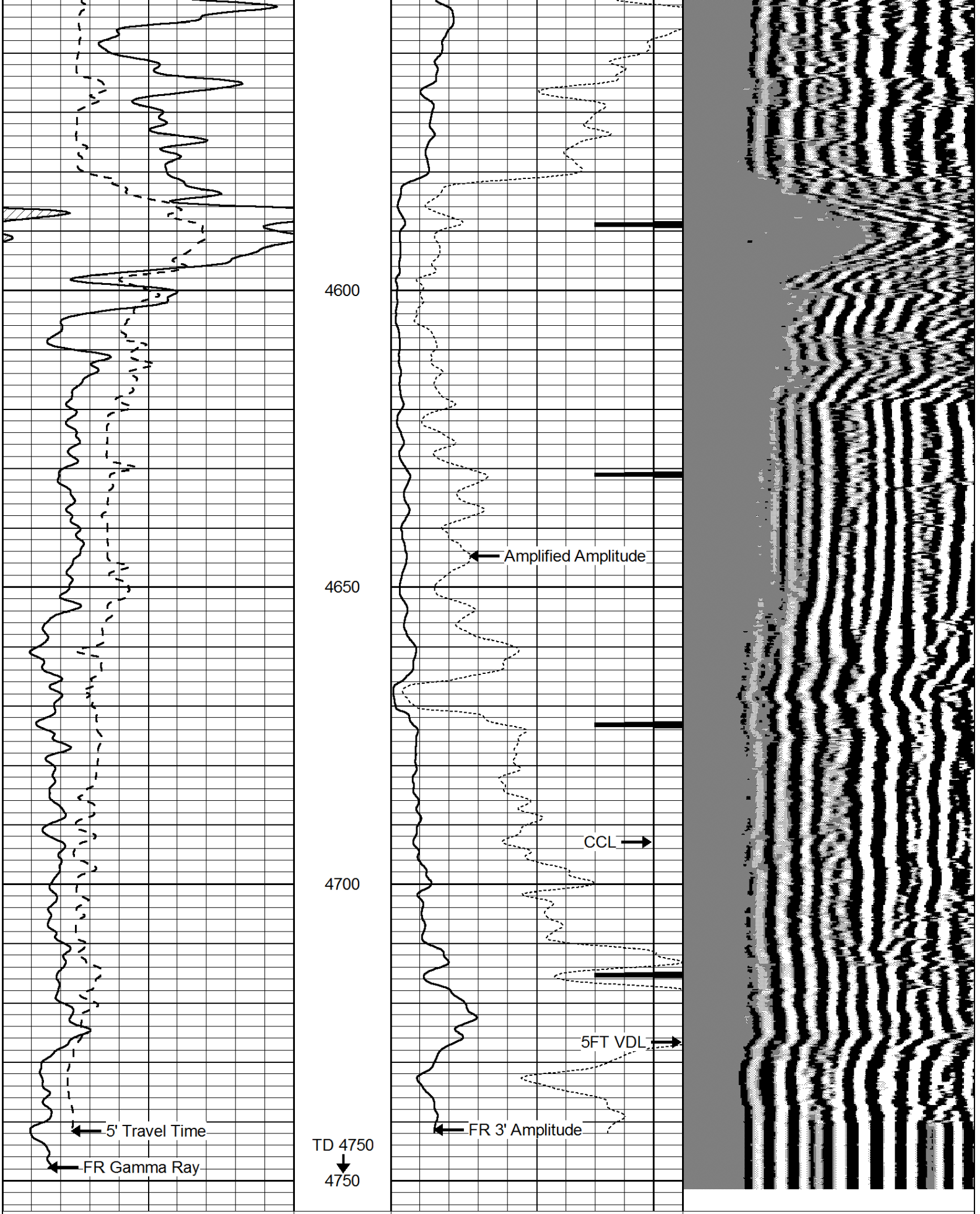
4400
4450
4500
4550


4600
4650
4700
4750
Amplified Amplitude
CCL
5FT VDL
5' Travel Time
FR Gamma Ray
FR 3' Amplitude
TD 4750
0 Gamma Ray (GAPI) 150
200 5' Travel Time (usec) 1000
0 3' Amplitude (mV) 100
9 CCL -1
0 Amplified Amplitude (mV) 20
200 5FT VDL 1000