



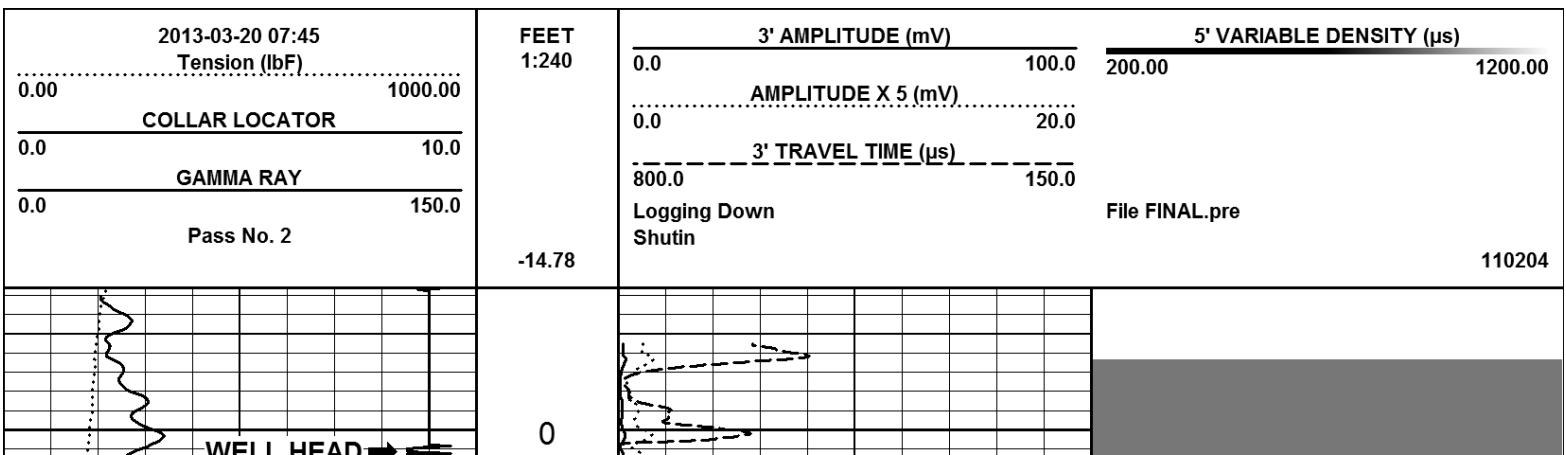
CEMENT BOND LOG GAMMA RAY

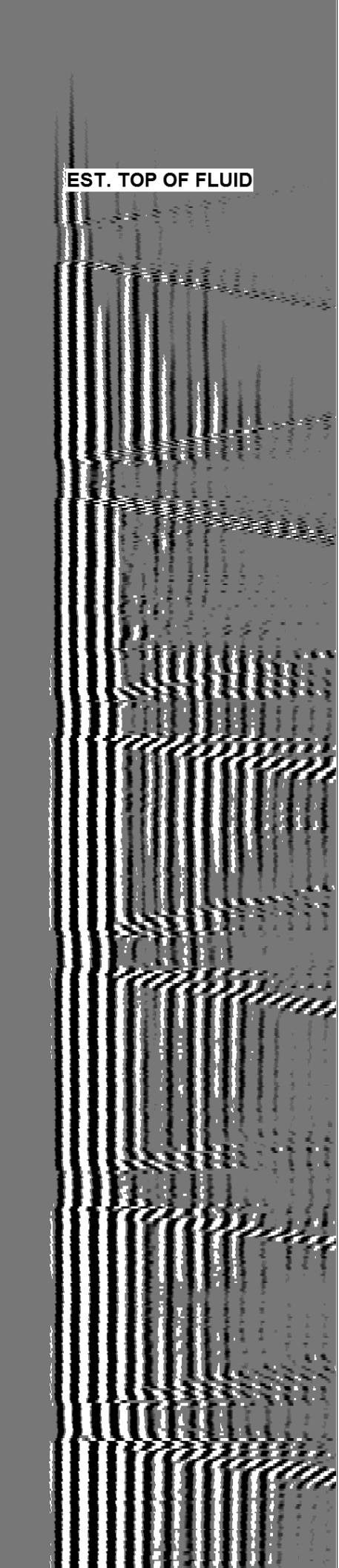
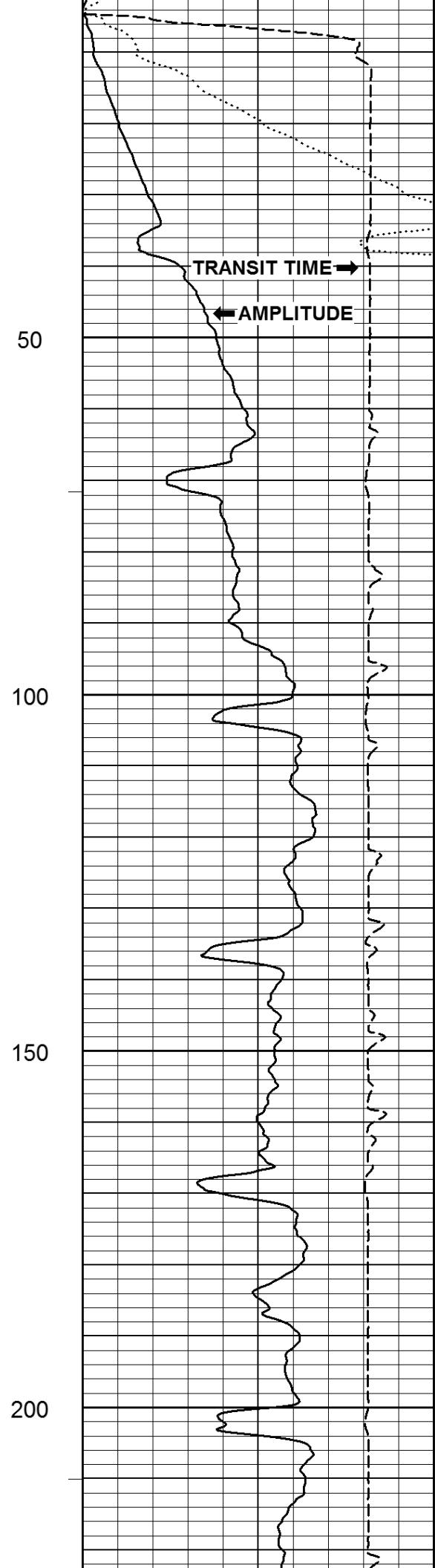
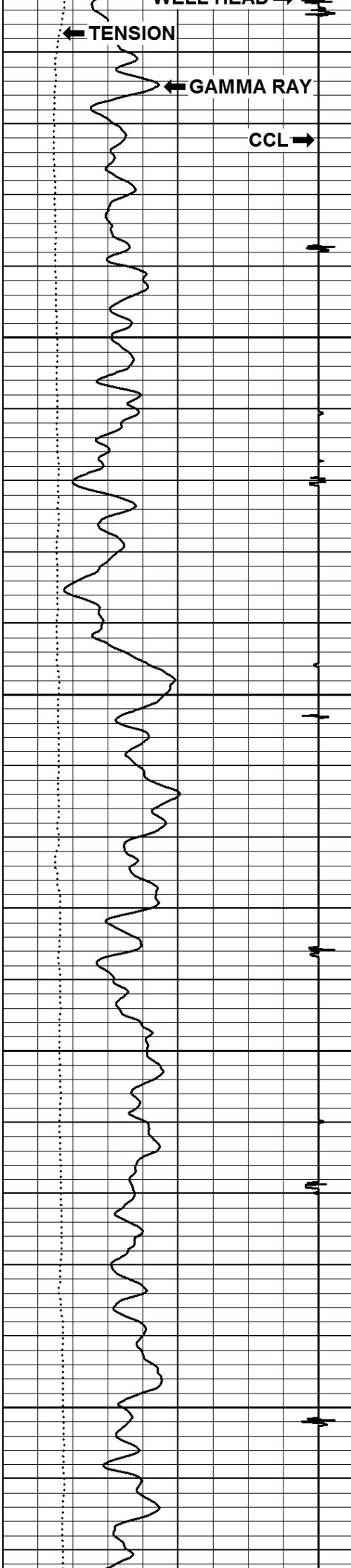
Company							BLACK RAVEN ENERGY, INC.		
1/4'S SEC. TWP. RGE.	SW / NW 13 1 N 58 W	Well Field County API#: WB/S:	CRONE, B F 4 ADENA MORGAN 05 - 087 - 05300 - 00	State COLORADO					
Permanent Datum Log Measured From Drill Measured From	Ground Level Ground Level Ground Level	Elevation		Elev K.B. Elev D.F.	N / A 4,583'				
Date Run Number Magna Depth Driller Depth First Reading Last Reading Max Temperature Est. Cement Top Fluid Type Fluid density Est. fluid level Service Order Truck No Recorded By Witnessed By Magna Contact Other Services			Feet Above Datum	Gun Type Charge Type Shots / Foot	N / A N / A From	Gun Size Gram Wt.	N / A N / A To		
3-20-13 1 3,680' 5,784' 3,670' surface N / A 3,580' WATER 8.3 30' 70000162 233									
Casing Data									
Service	Type	Size	Depth	Size inches Weight Lb/Ft	From	To	Comments		
				8.625" 28#	0'	105'	THANKS FOR CHOOSING MAGNA!		
				5.5"	15.5#	0'	YOUR CREW: J. MICHAEL, T. DENNIS		

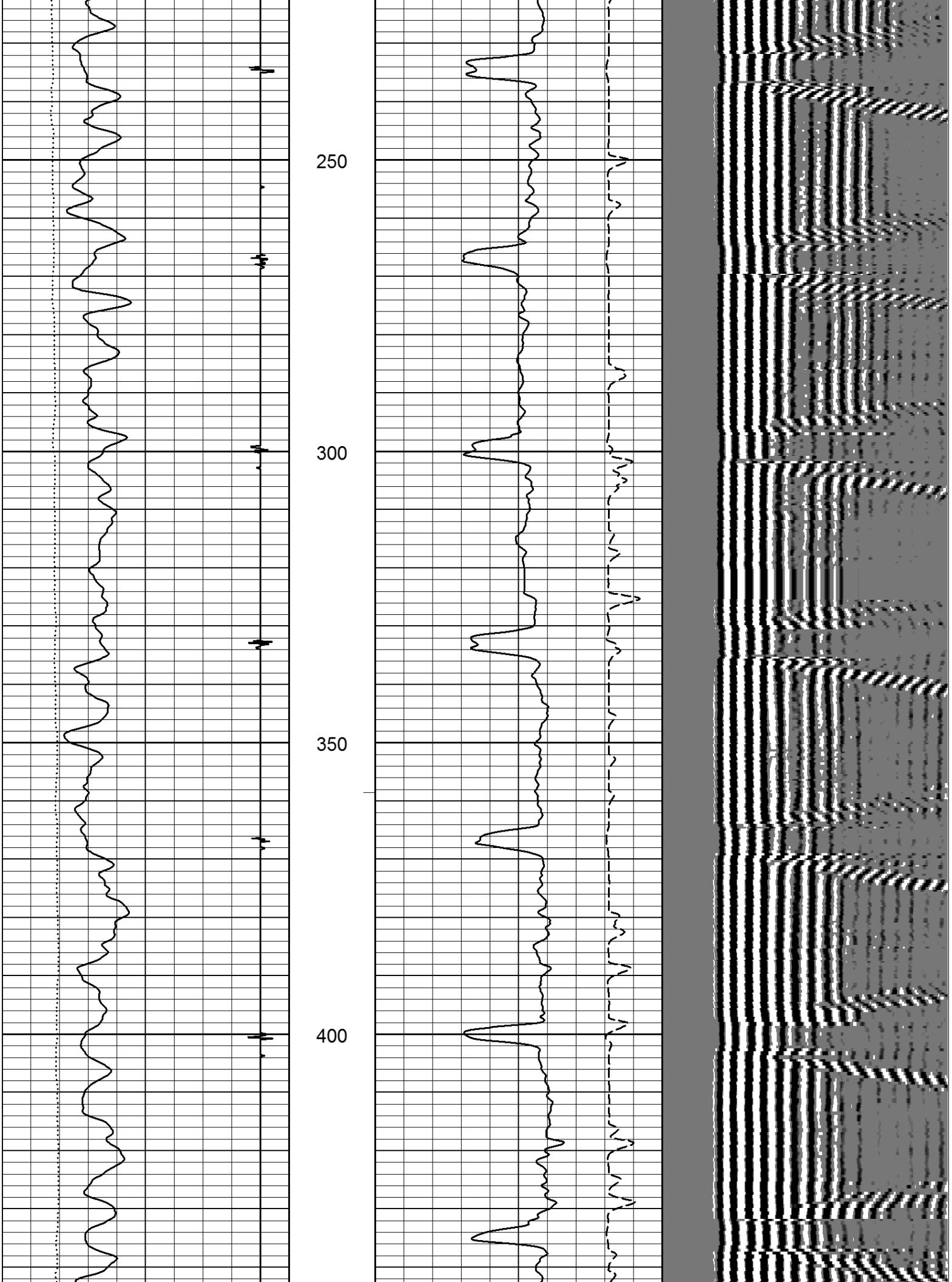
Remarks:

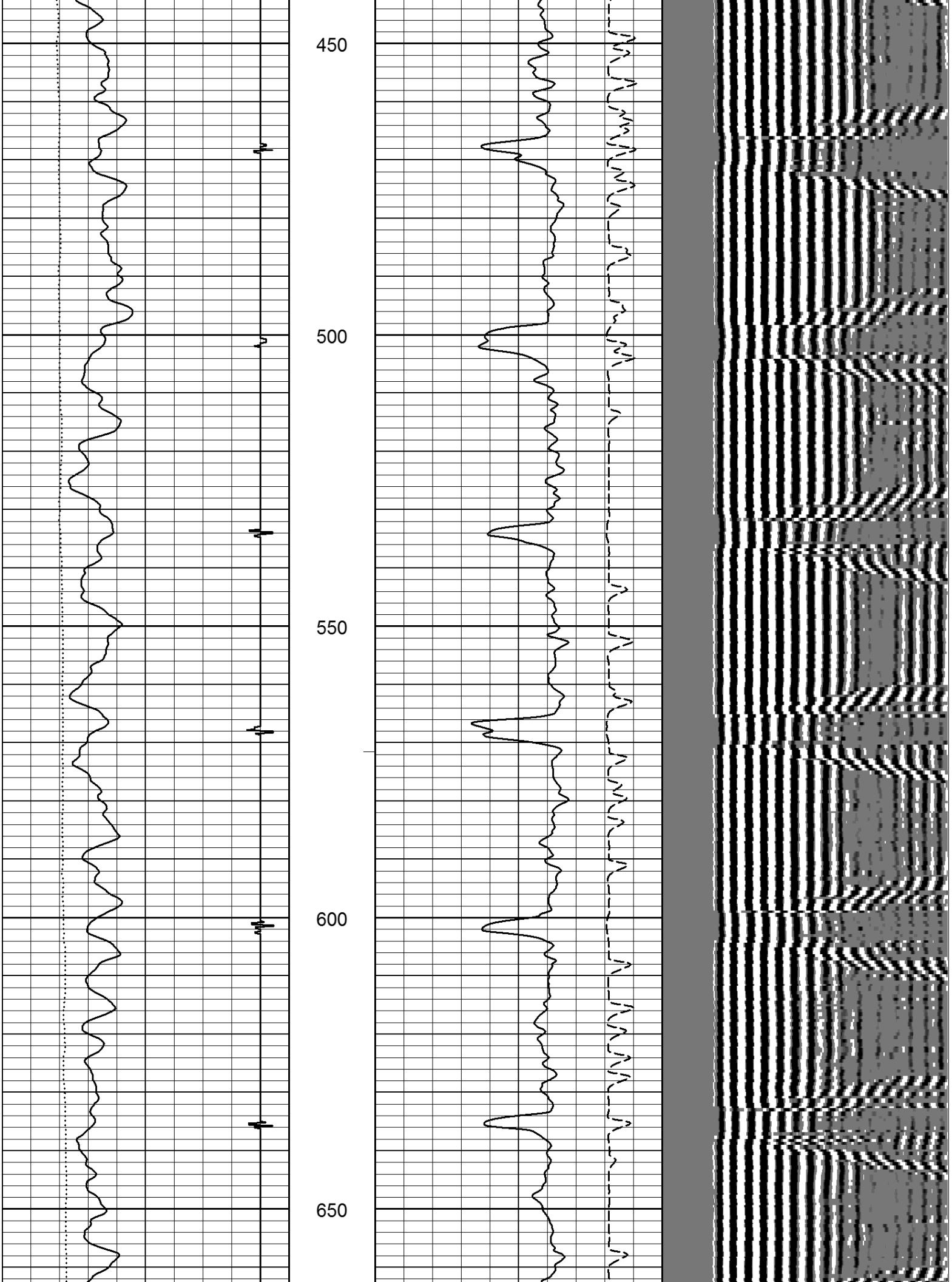
Previous Well Information	
Depth Control Log	NO CORRELATION LOG PROVIDED BY CLIENT
Perforated	
Bridge Plug Set At	
Cement Retainer Set At	
Production Packer Set At	

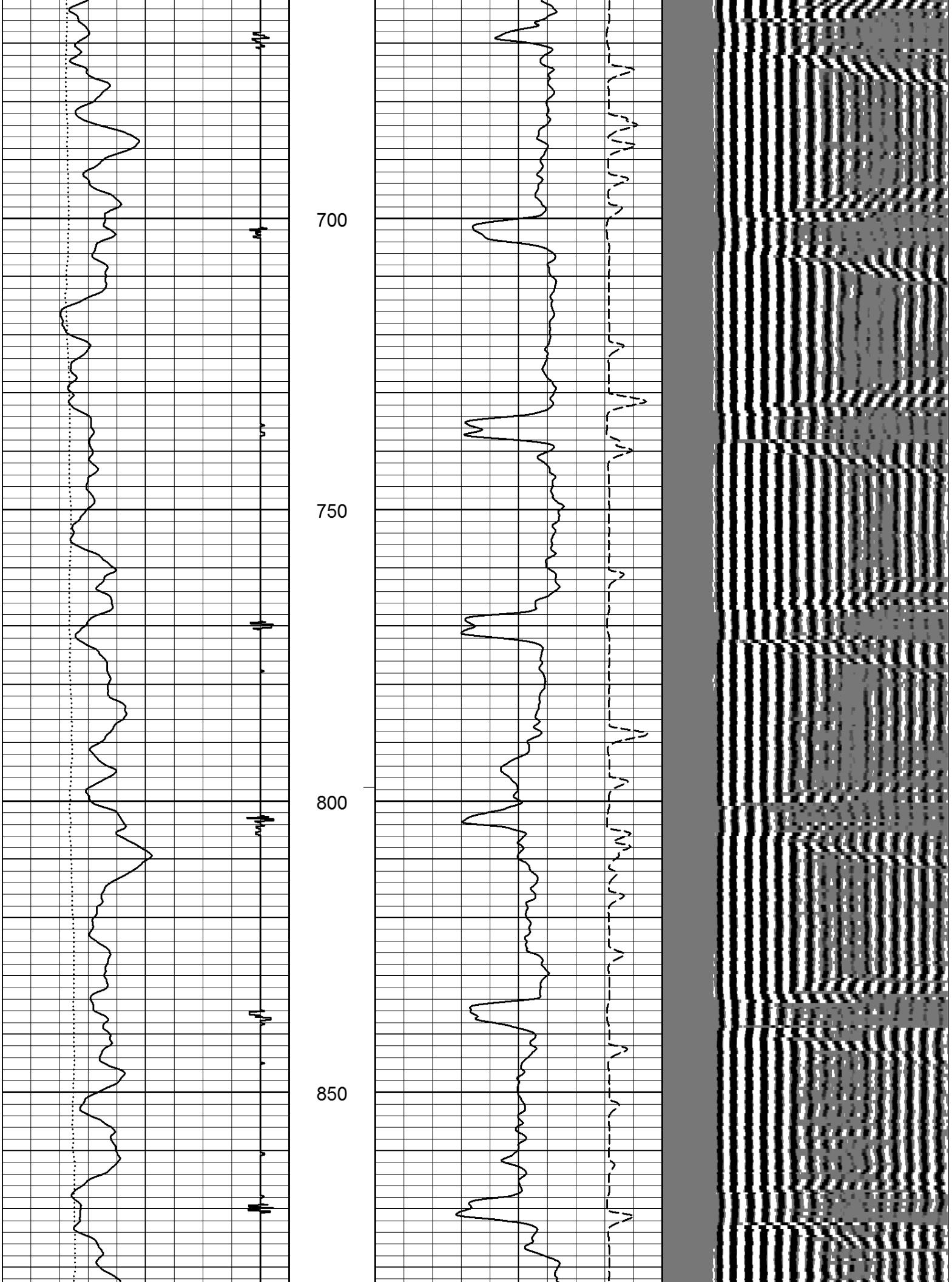
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 as set out in our current price schedule.

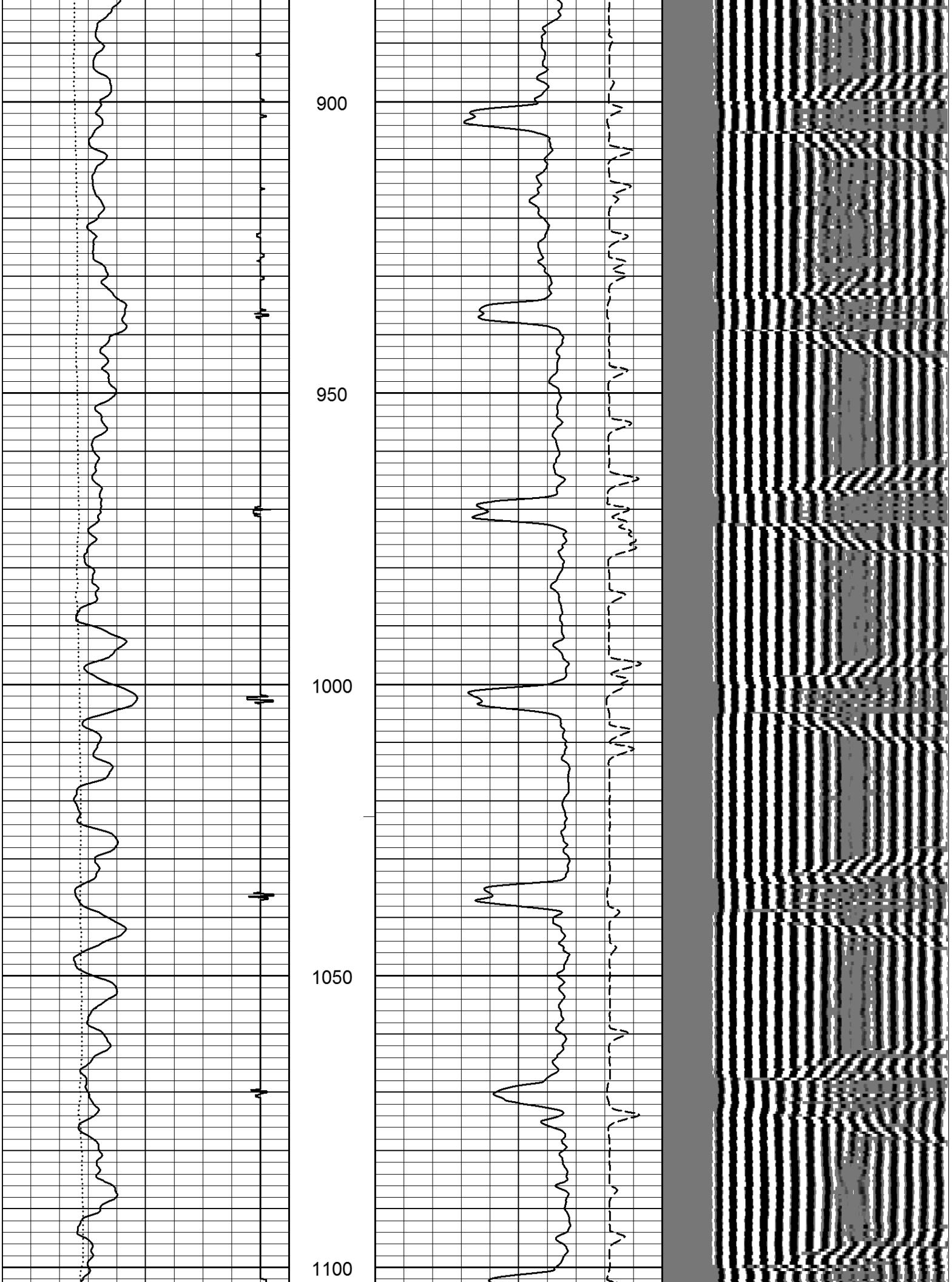


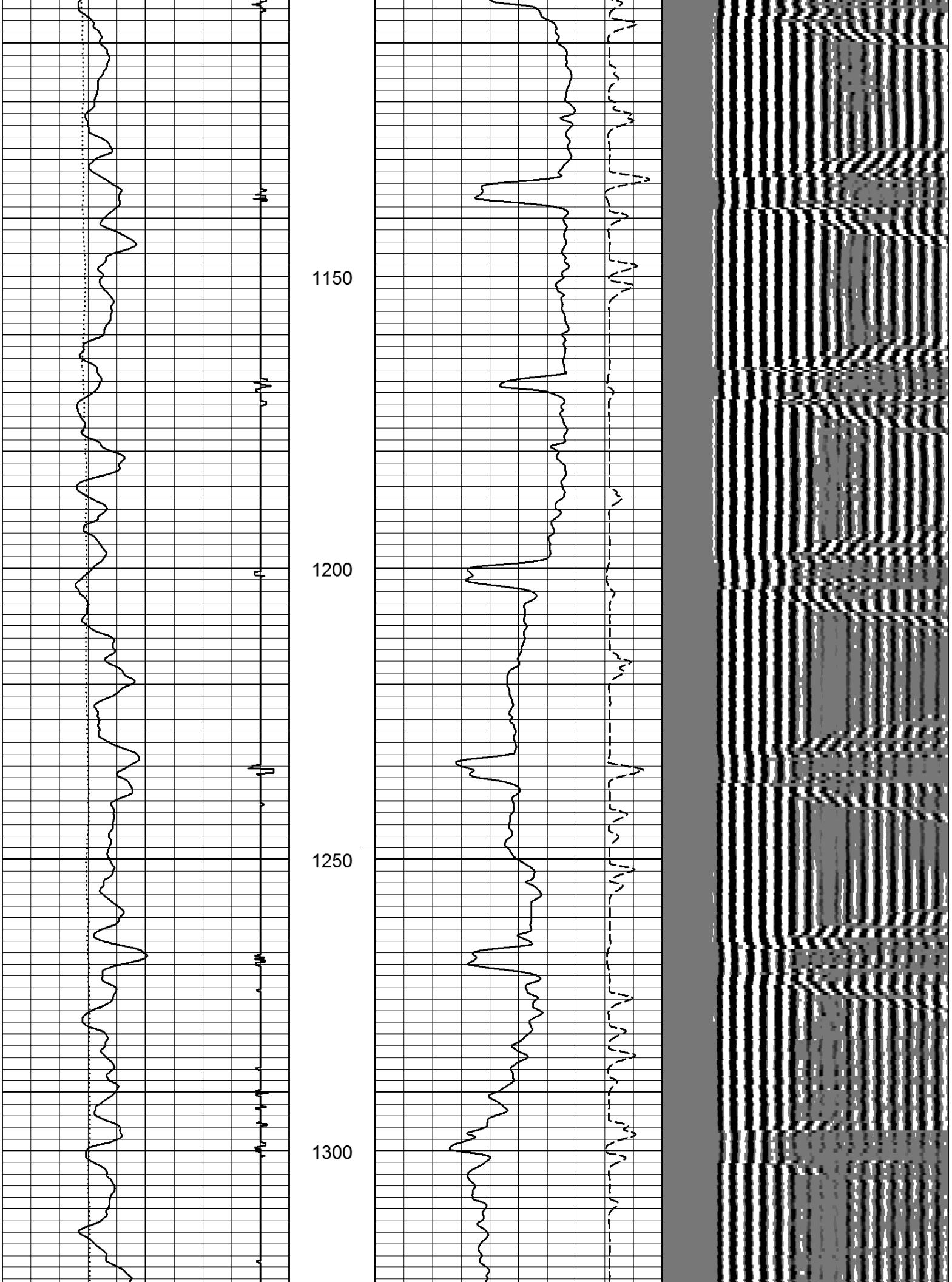


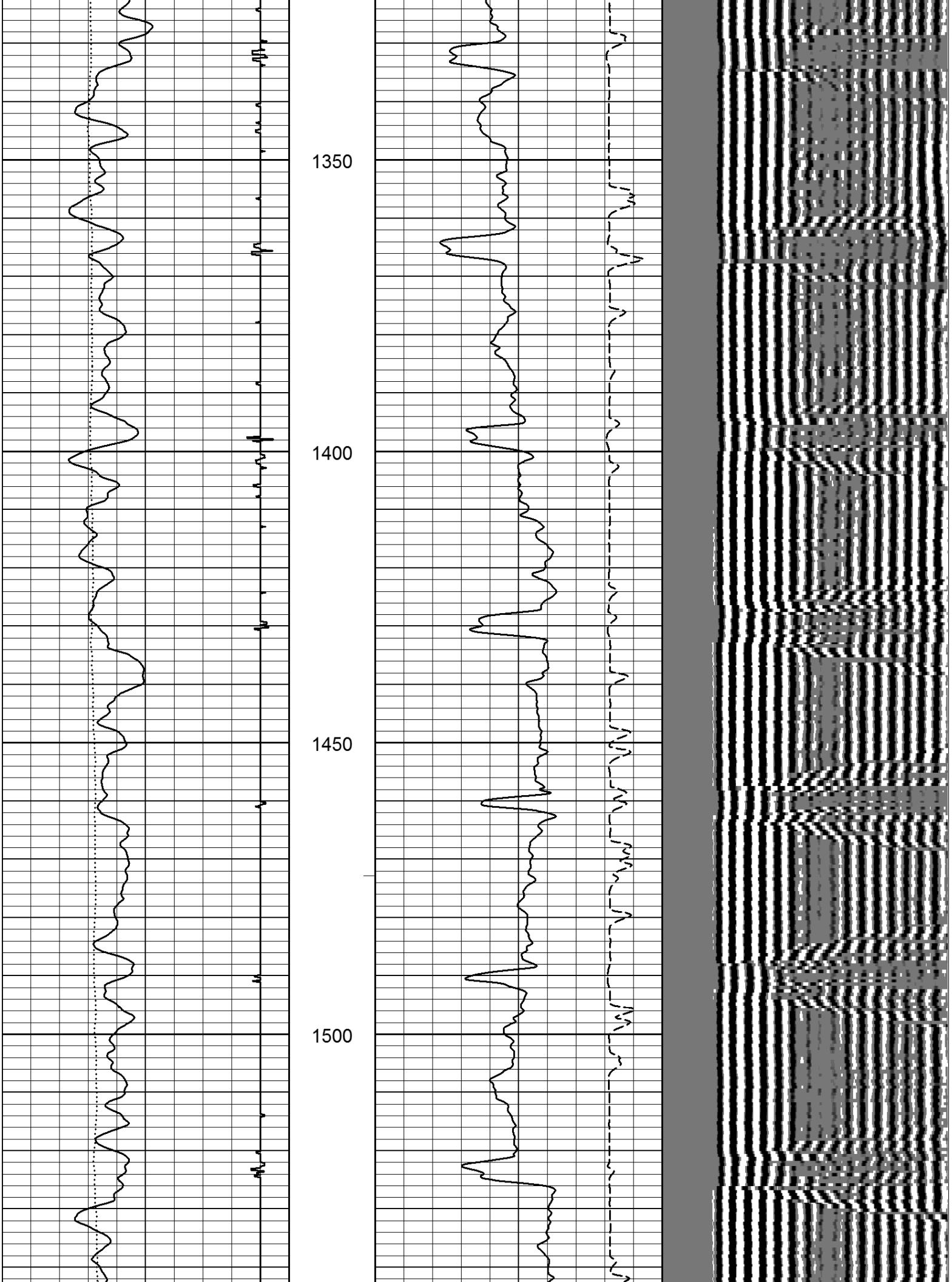


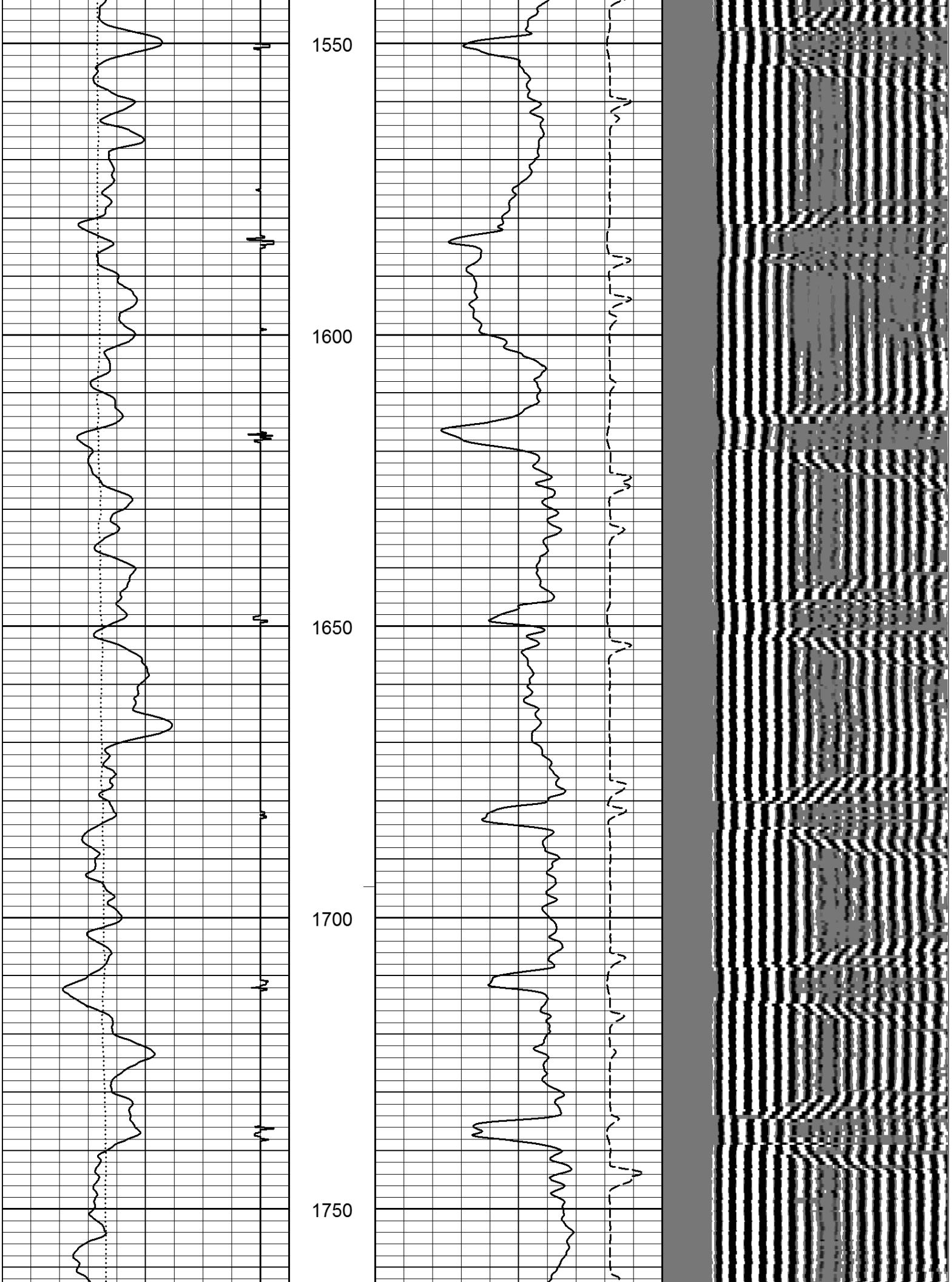


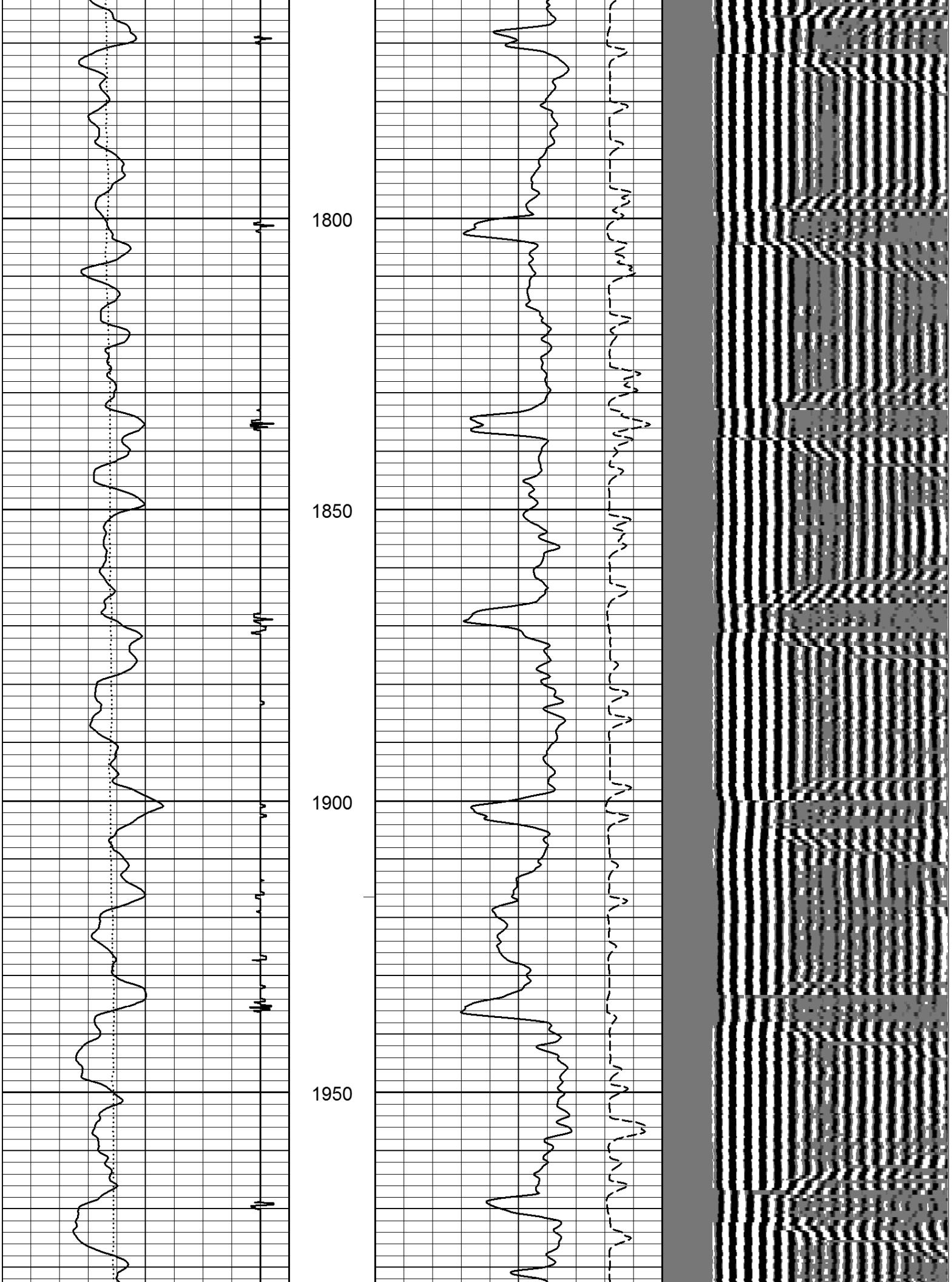


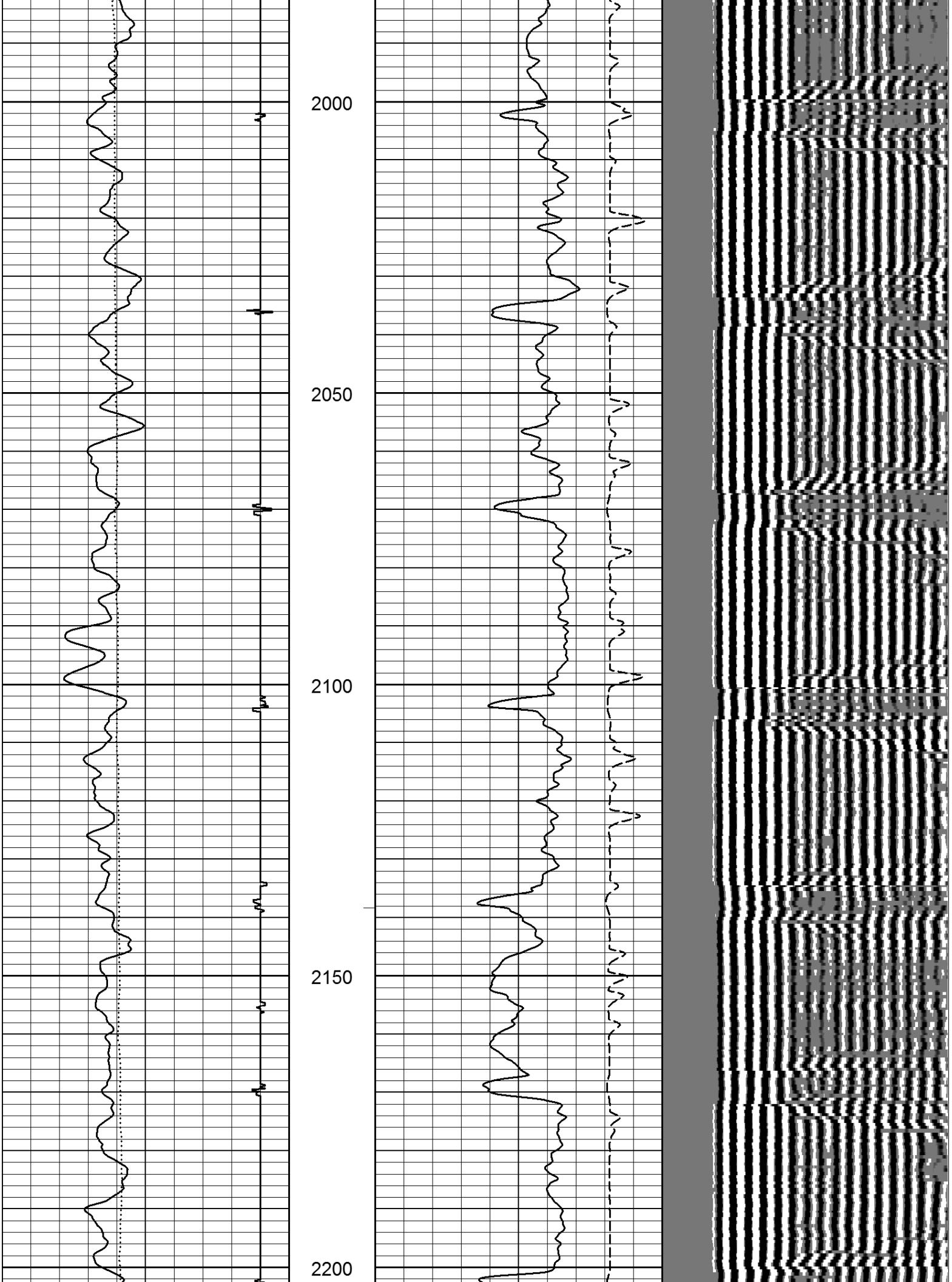


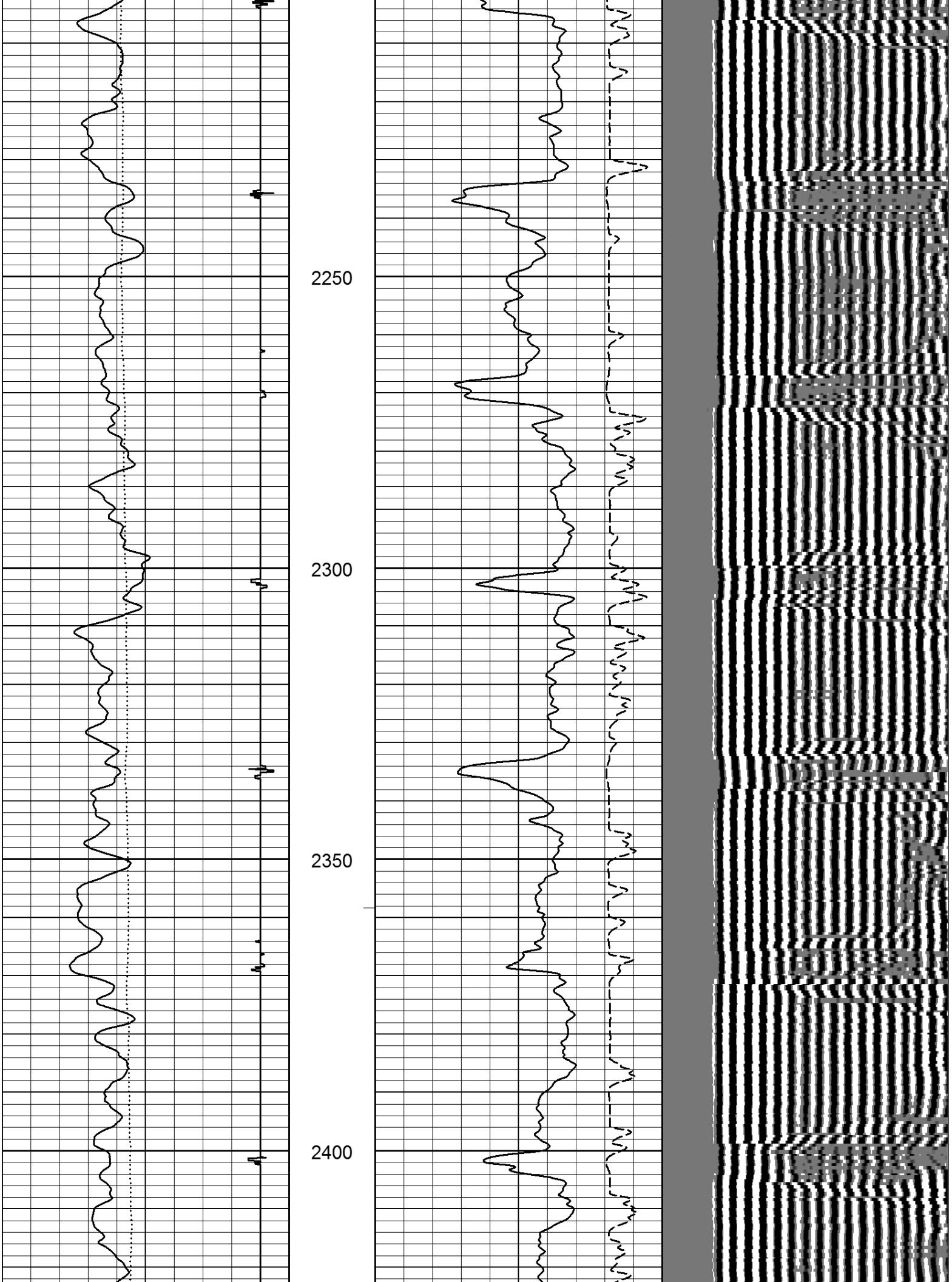


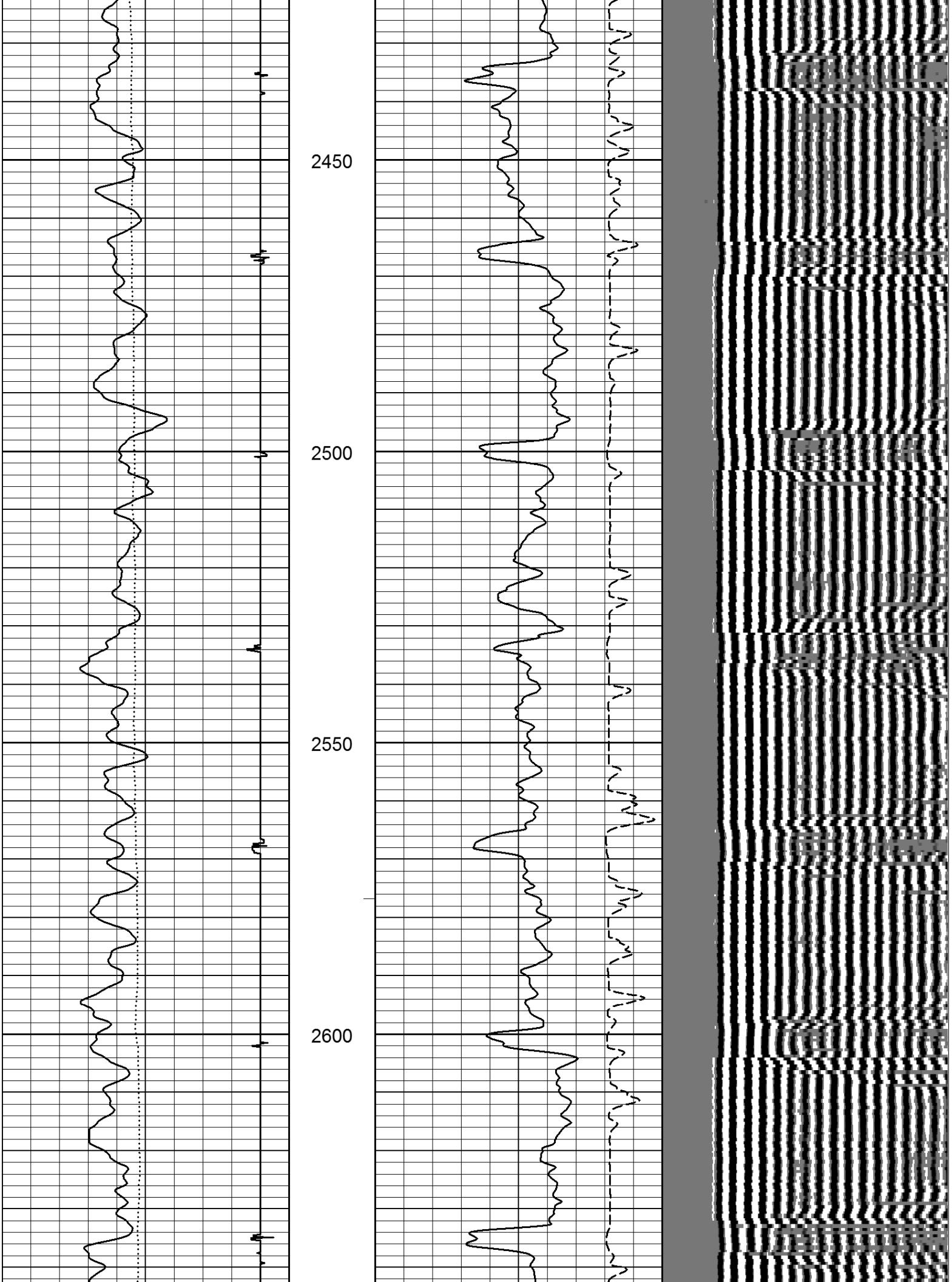


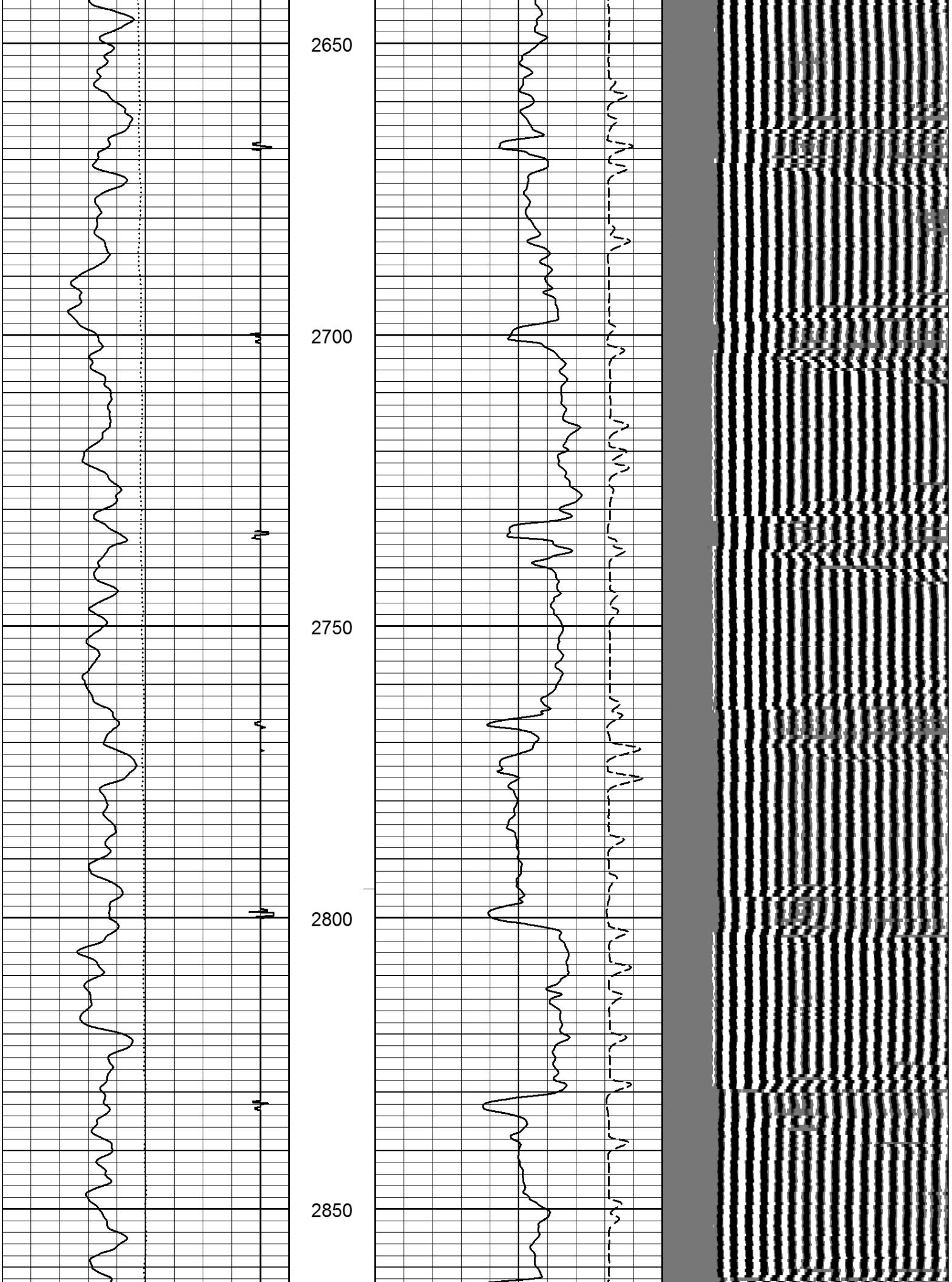


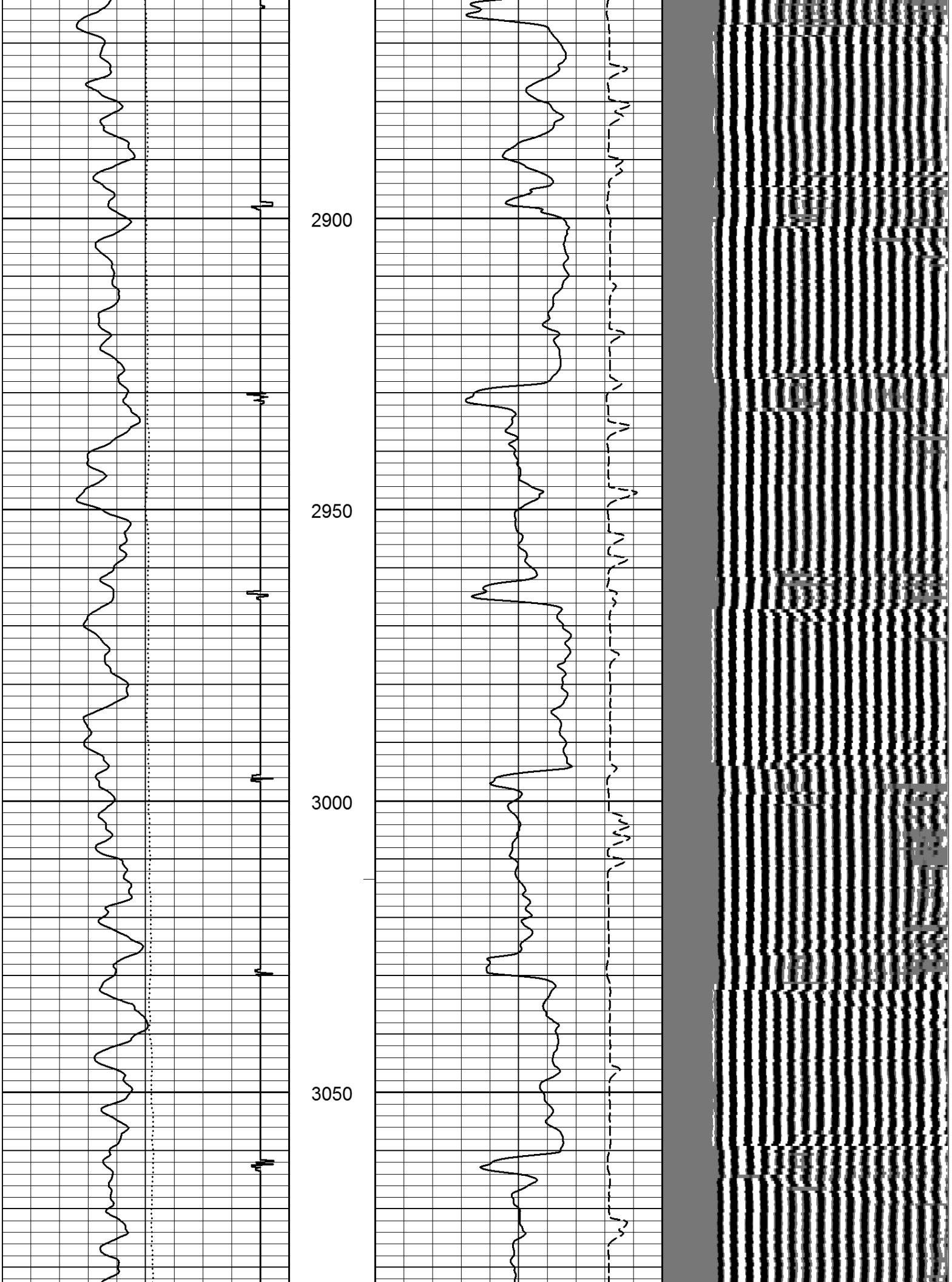


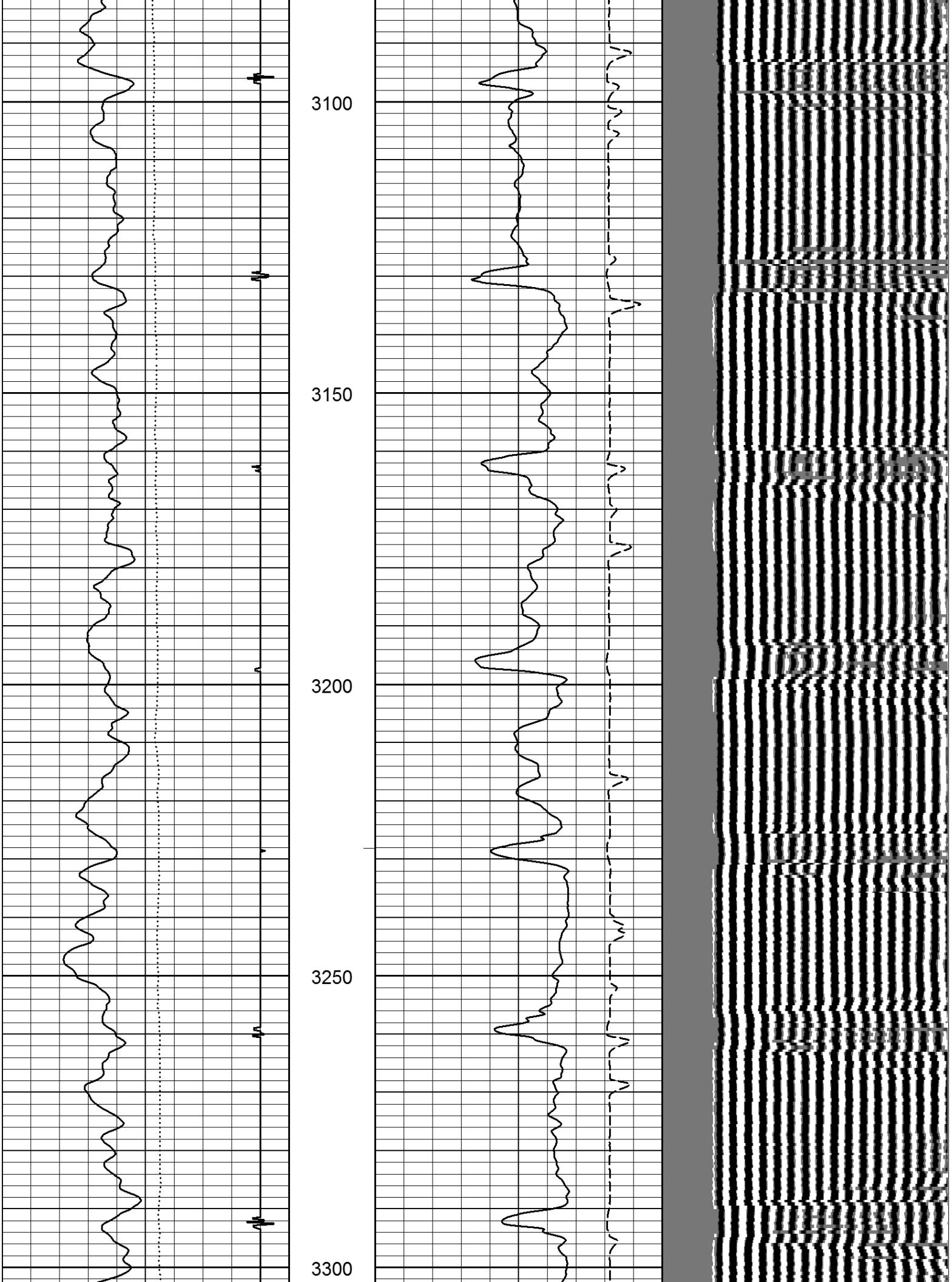


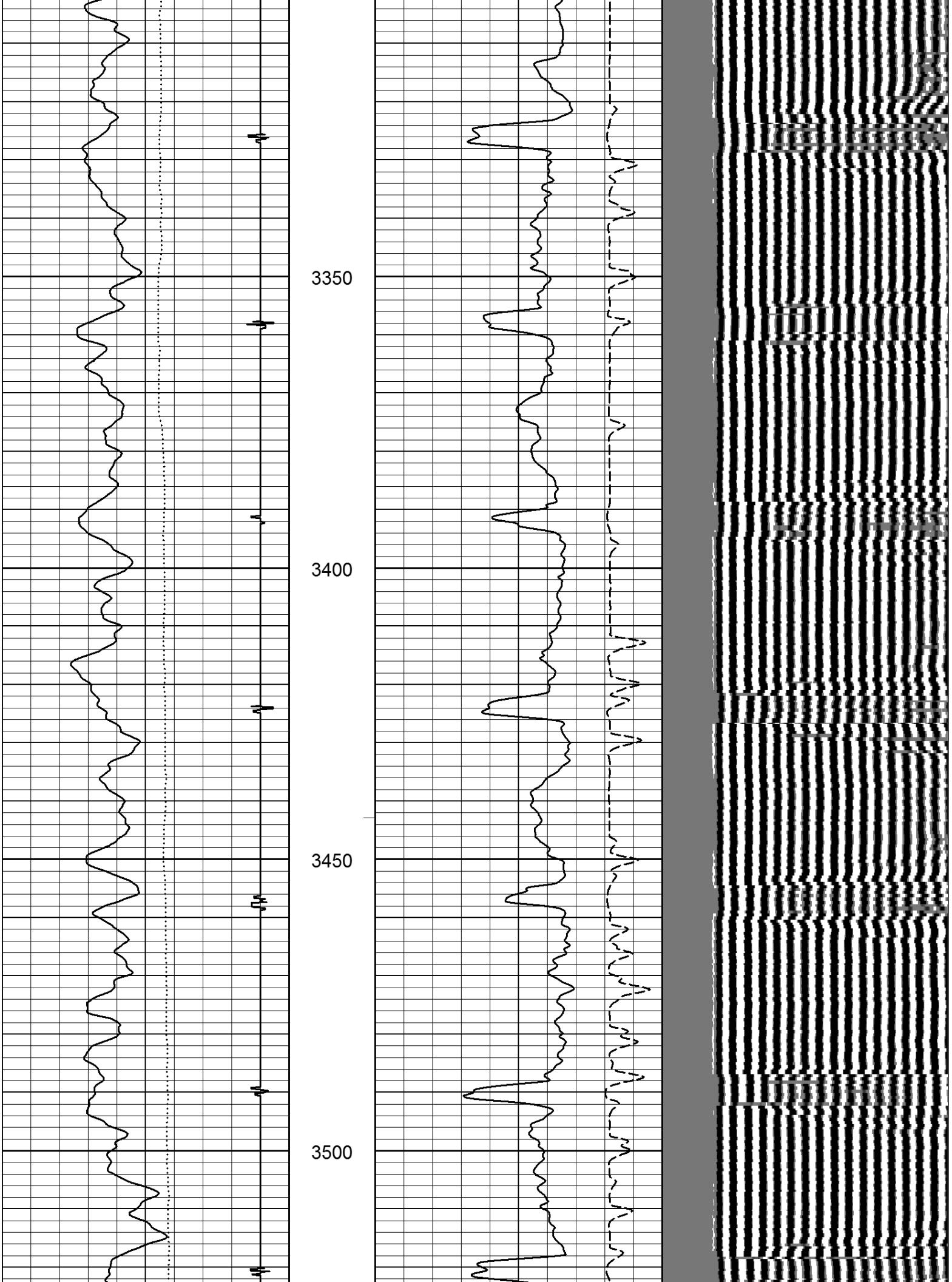


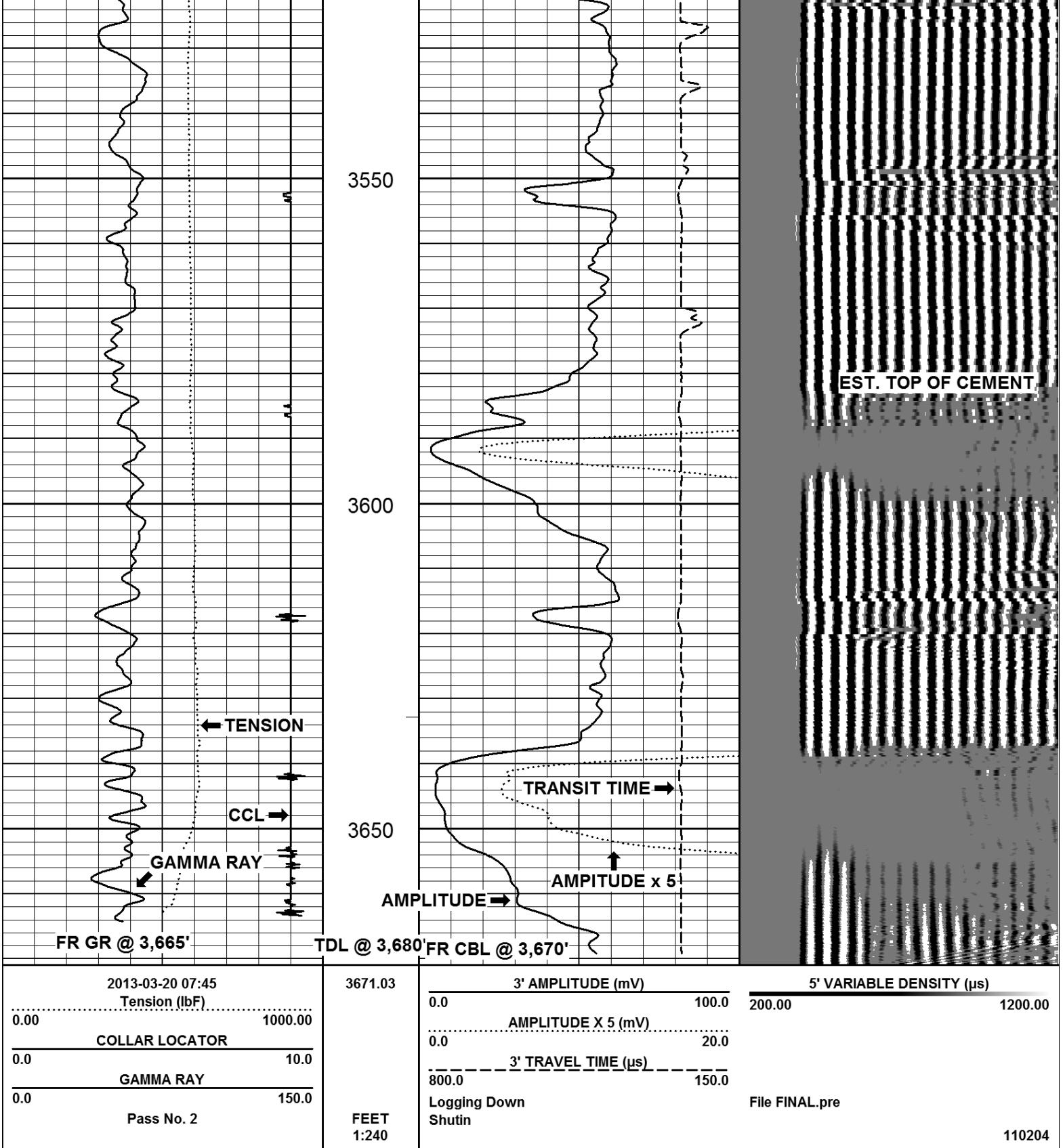












Company BLACK RAVEN ENERGY, INC.

Well CRONE, B F 4

Field ADENA

County MORGAN

State COLORADO

ENERGY SERVICES

1/4'S SW / N SEC. 13 TWP. 1 N RGE. 58 W