

RADIAL CEMENT BOND LOG
GAMMA RAY
CCL

Company KERR-McGEE OIL & GAS ONSHORE LP
 Well UPRR 22 PAN AM "F" # 1
 Field WATTENBERG
 County WELD
 State COLORADO

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Location: API # : 05-123-07913
 SW/SW
 LAT: 40.19180 & LONG:-104.73140
 SEC 25 TWP 3N RGE 66W
 Permanent Datum GL Elevation 5030'
 Log Measured From KB 12'
 Drilling Measured From KB
 Other Services
 K.B. 5042'
 D.F. 5041'
 G.L. 5030'

Date 5-29-2014
 Run Number ONE
 Depth Driller 8036'
 Depth Logger 6400'
 Bottom Logged Interval 6396'
 Top Log Interval SURFACE
 Open Hole Size 7 7/8
 Type Fluid WATER
 Density / Viscosity 1.0
 Max. Recorded Temp. 200
 Estimated Cement Top 6286'
 Time Well Ready N/A
 Time Logger on Bottom N/A
 Equipment Number 5432
 Location GREELEY, CO
 Recorded By M. JANDREAU
 Witnessed By Derrick Powell

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE							
TWO							

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8	24#	0	207'
Prot. String				
Production String	4 1/2	10.5	0	8065'
Liner				

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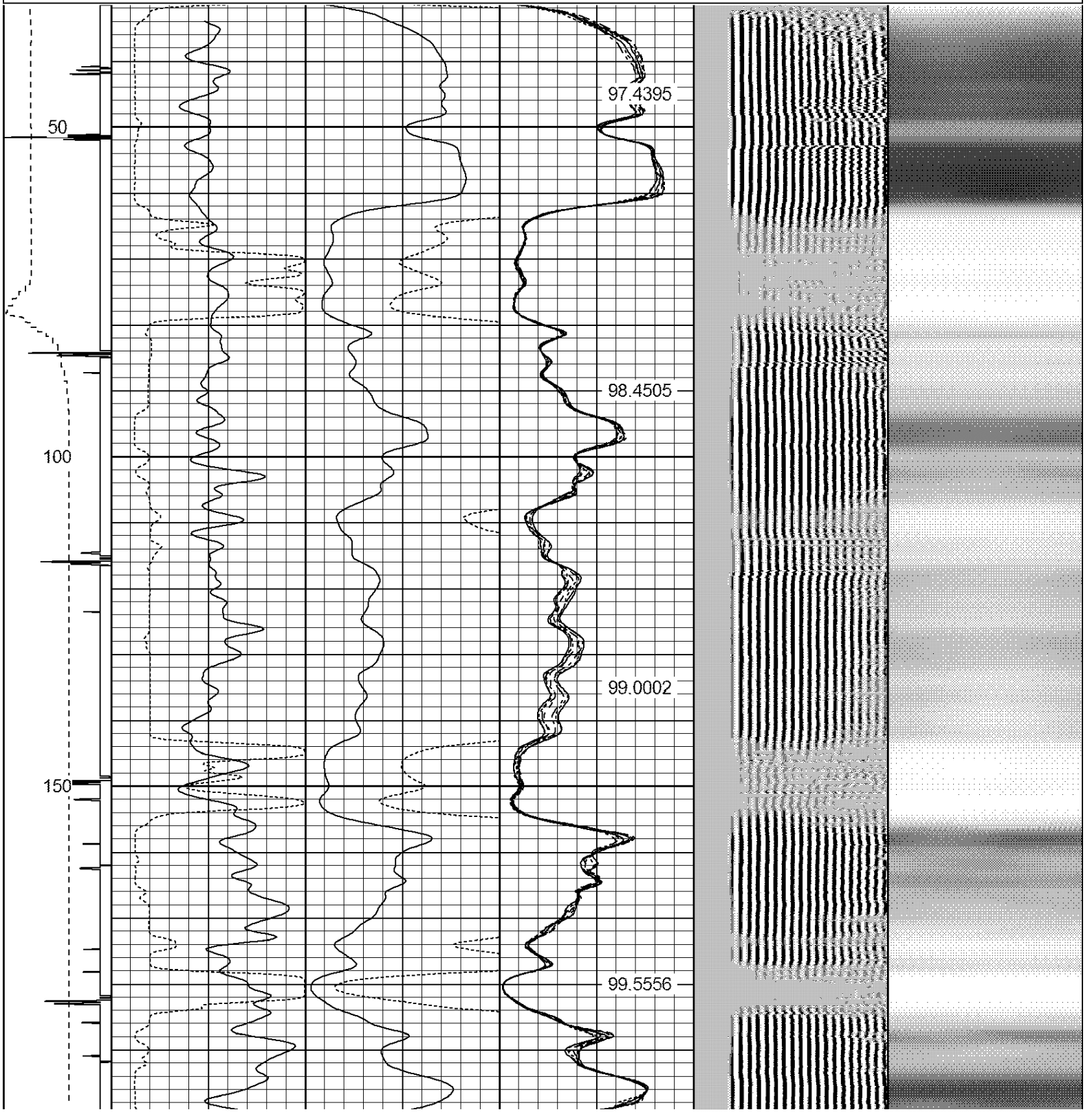
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

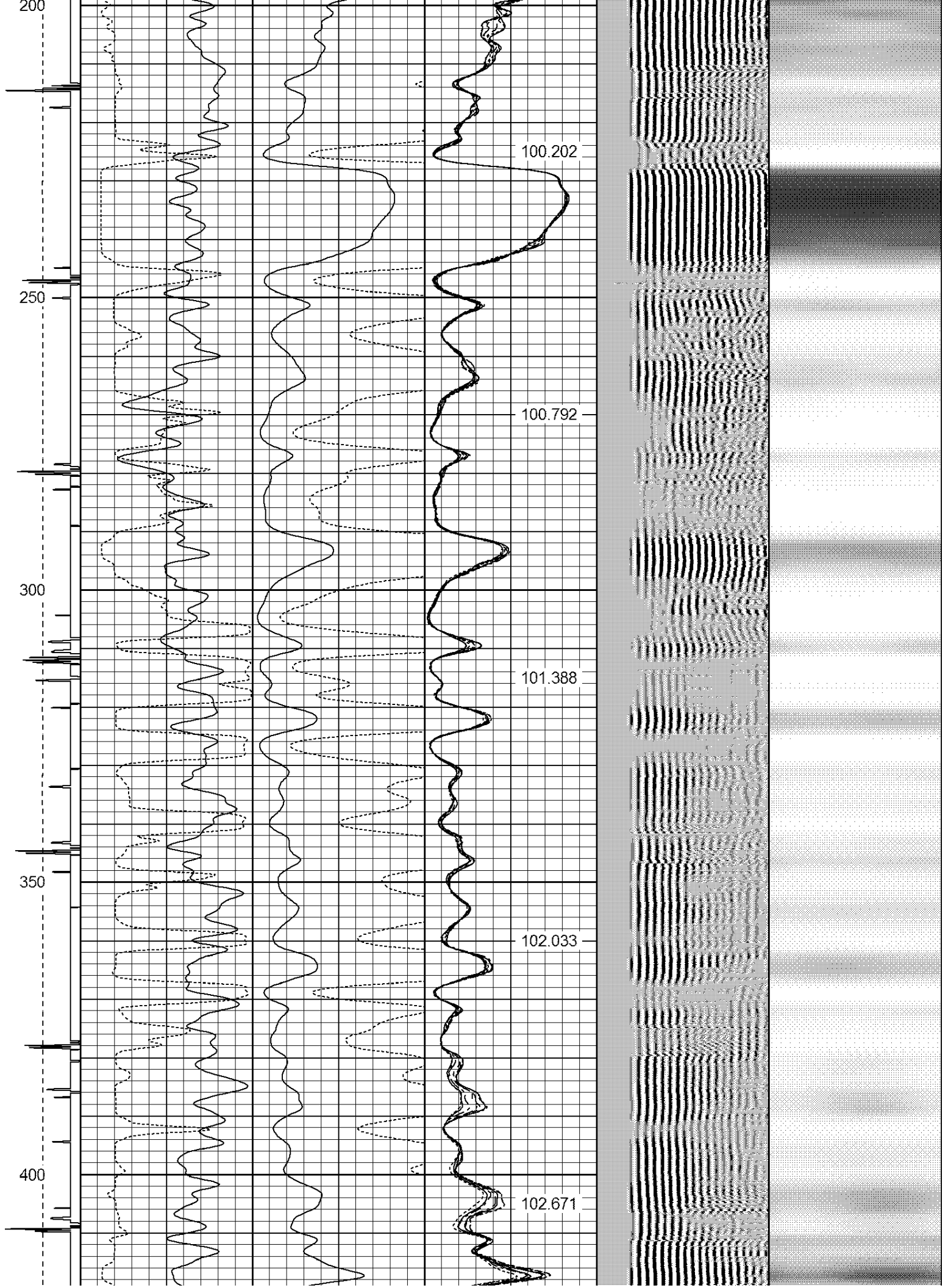
Comments

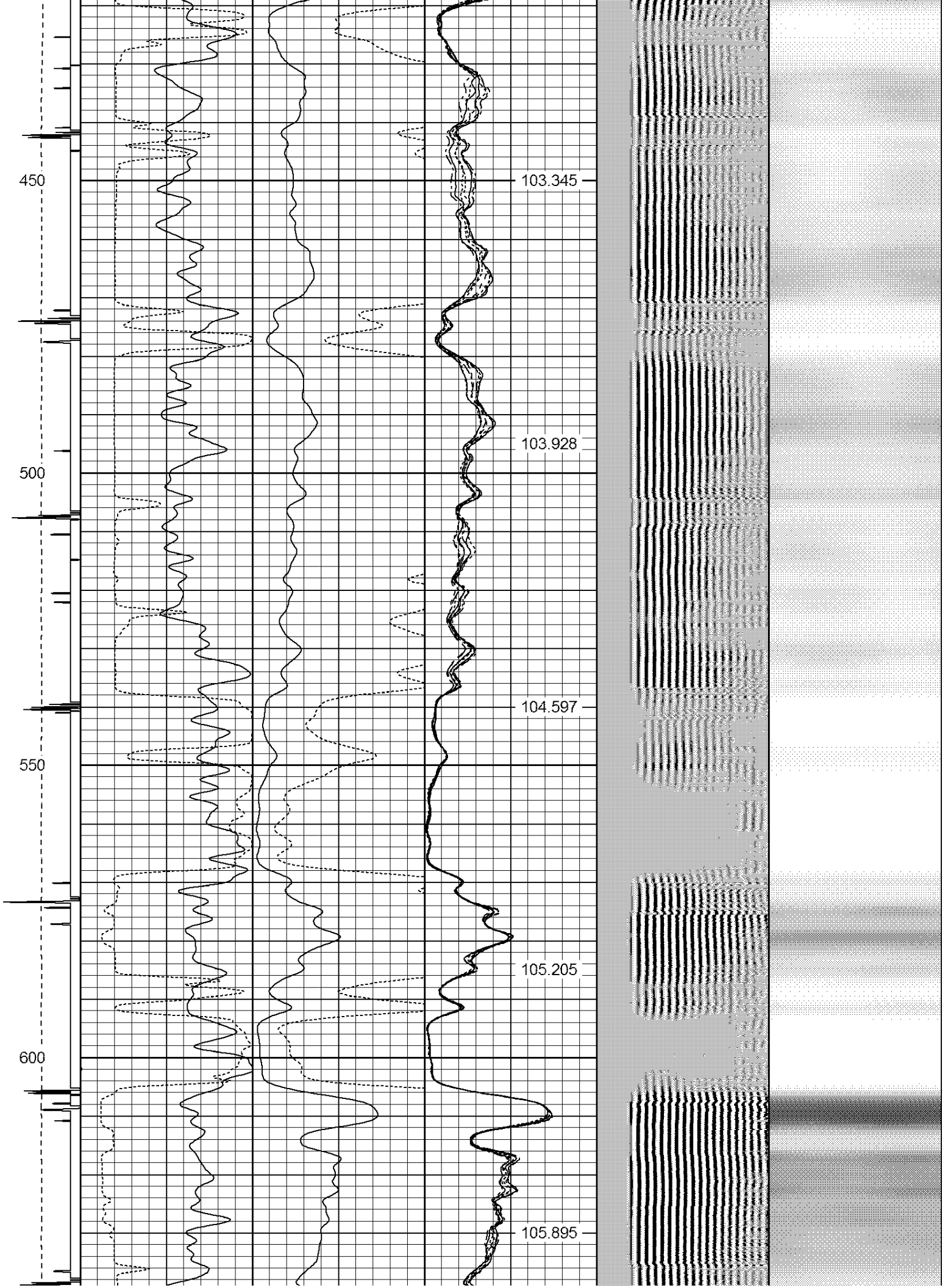
NOT CORRELATED
 RAN LOG TO VERIFY CEMENT
 THANK YOU FOR USING WARRIOR ENERGY SERVICES!!!!!!

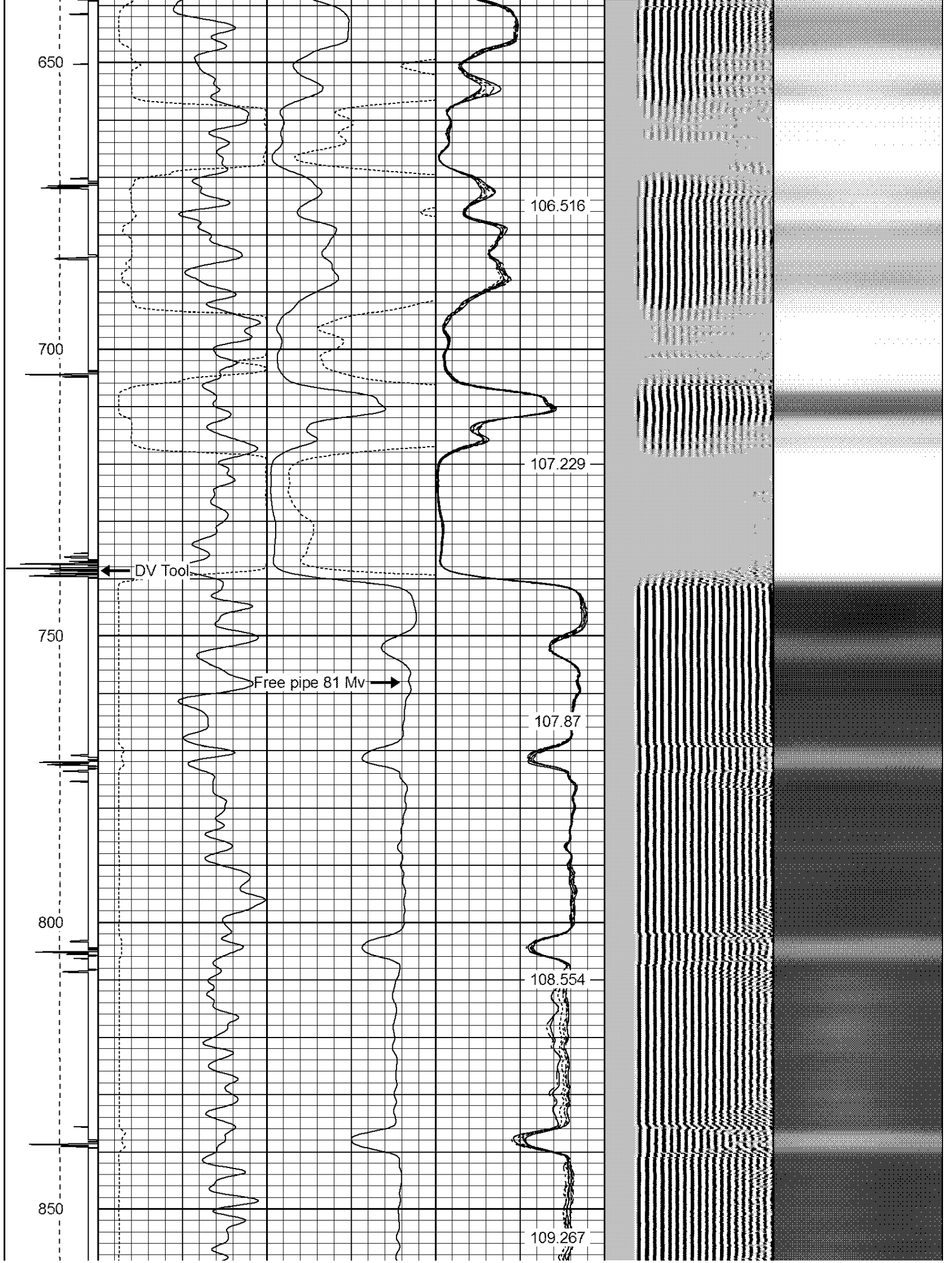
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CENT	19.08					

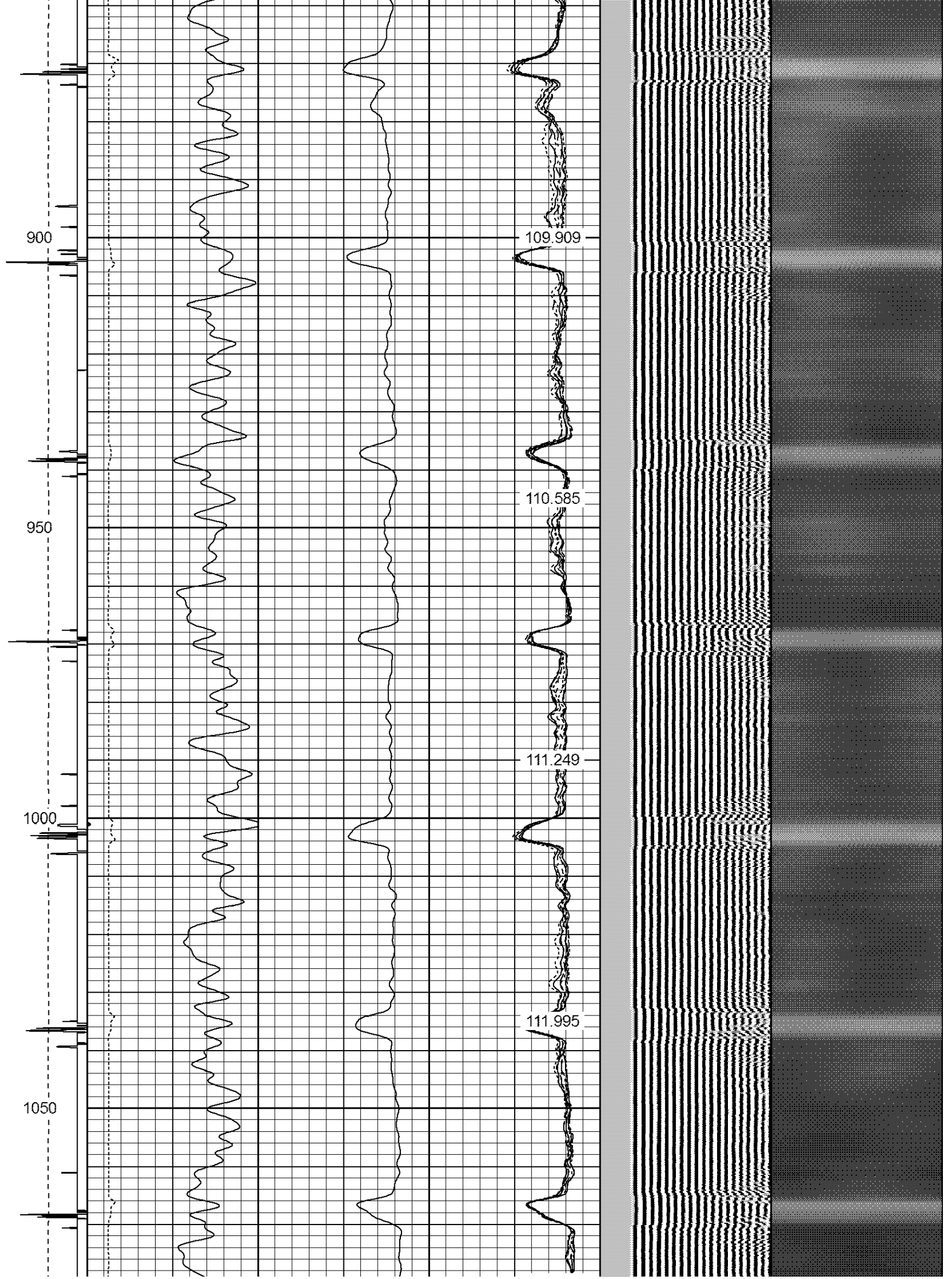
-9	CCL	1	200	TT (usec)	800	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200	1	Cement Map	8
	LSPD		0	GR (cps)	200	0	AMPx5 (mV)	20	0	AMPS2	100				1		100
	(ft/min)		200	GR (cps)	400				0	AMPS4	100						
0		250							0	AMPS5	100						
									0	AMPS6	100						
									0	AMPS7	100						
									0	AMPS8	100						
										IntTemp							
										(degF)							

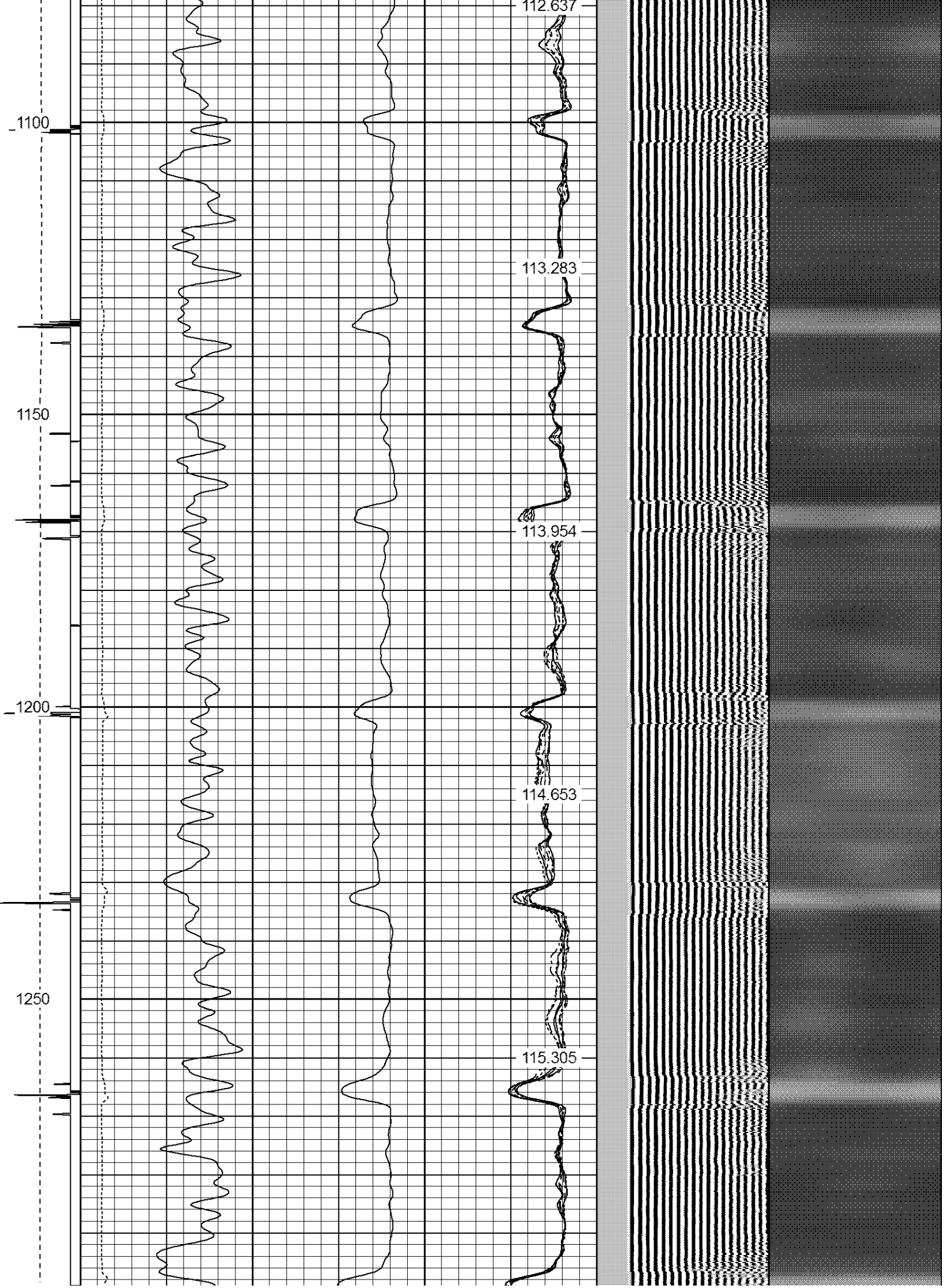




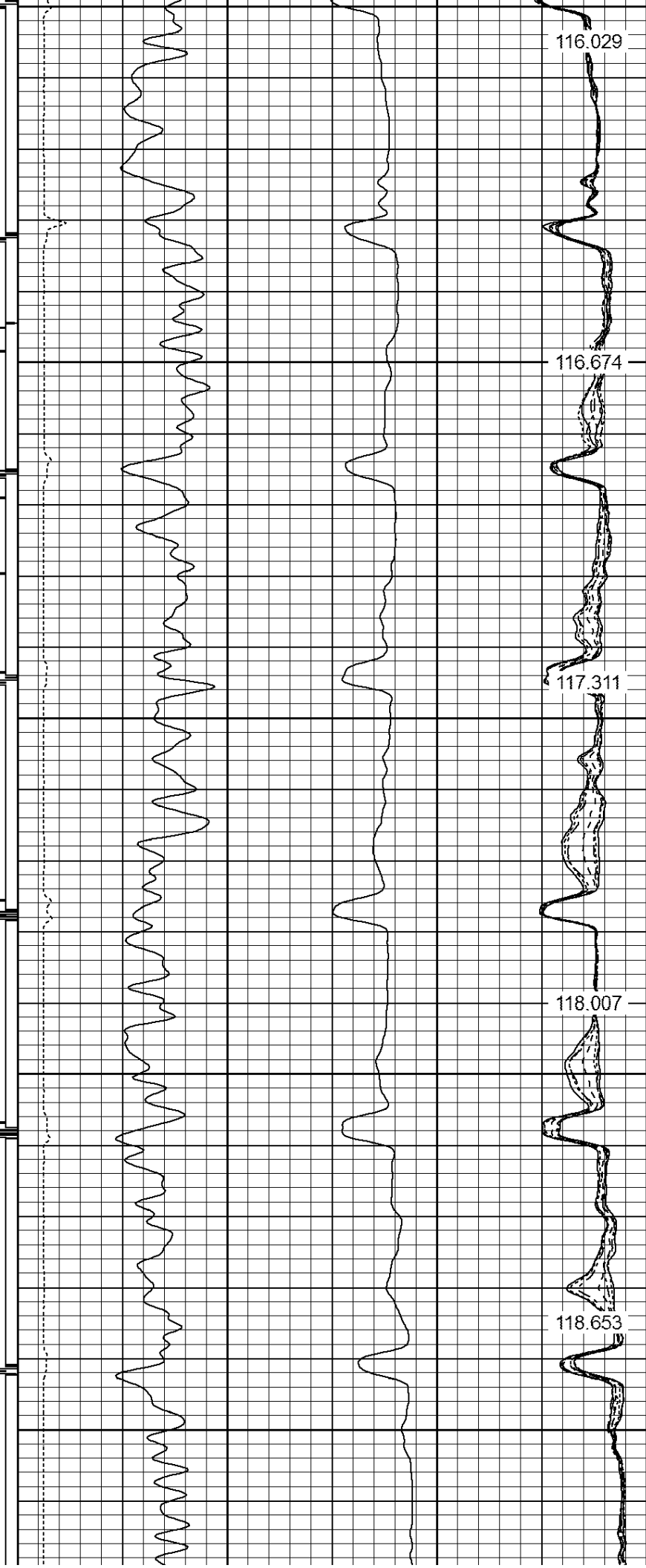




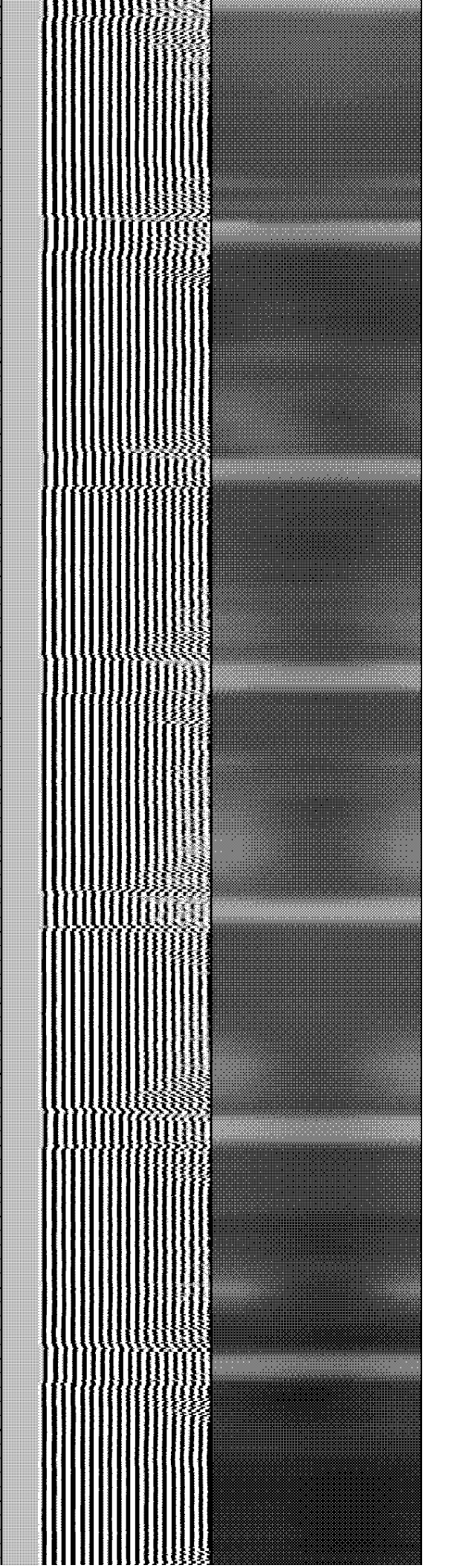


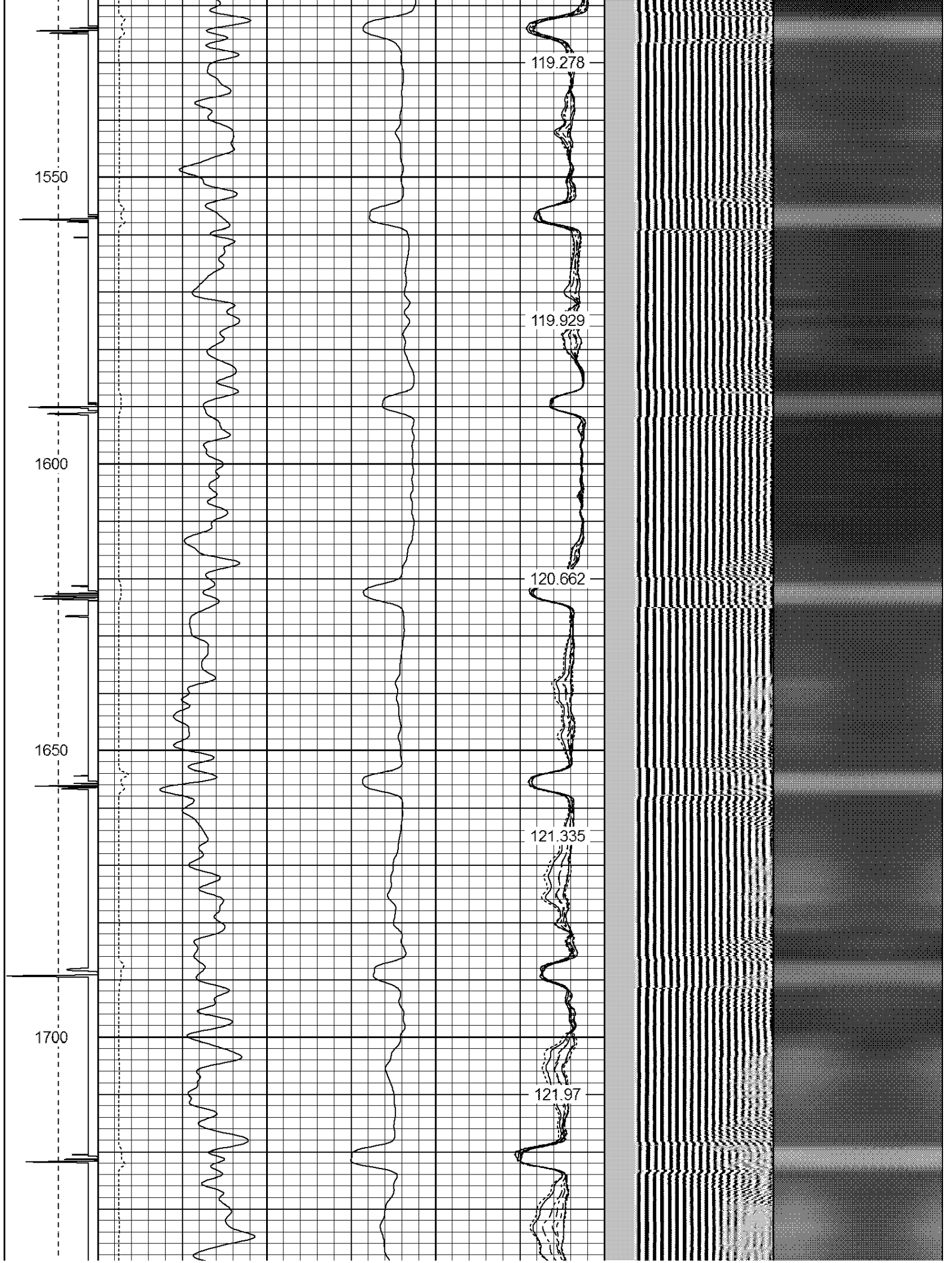


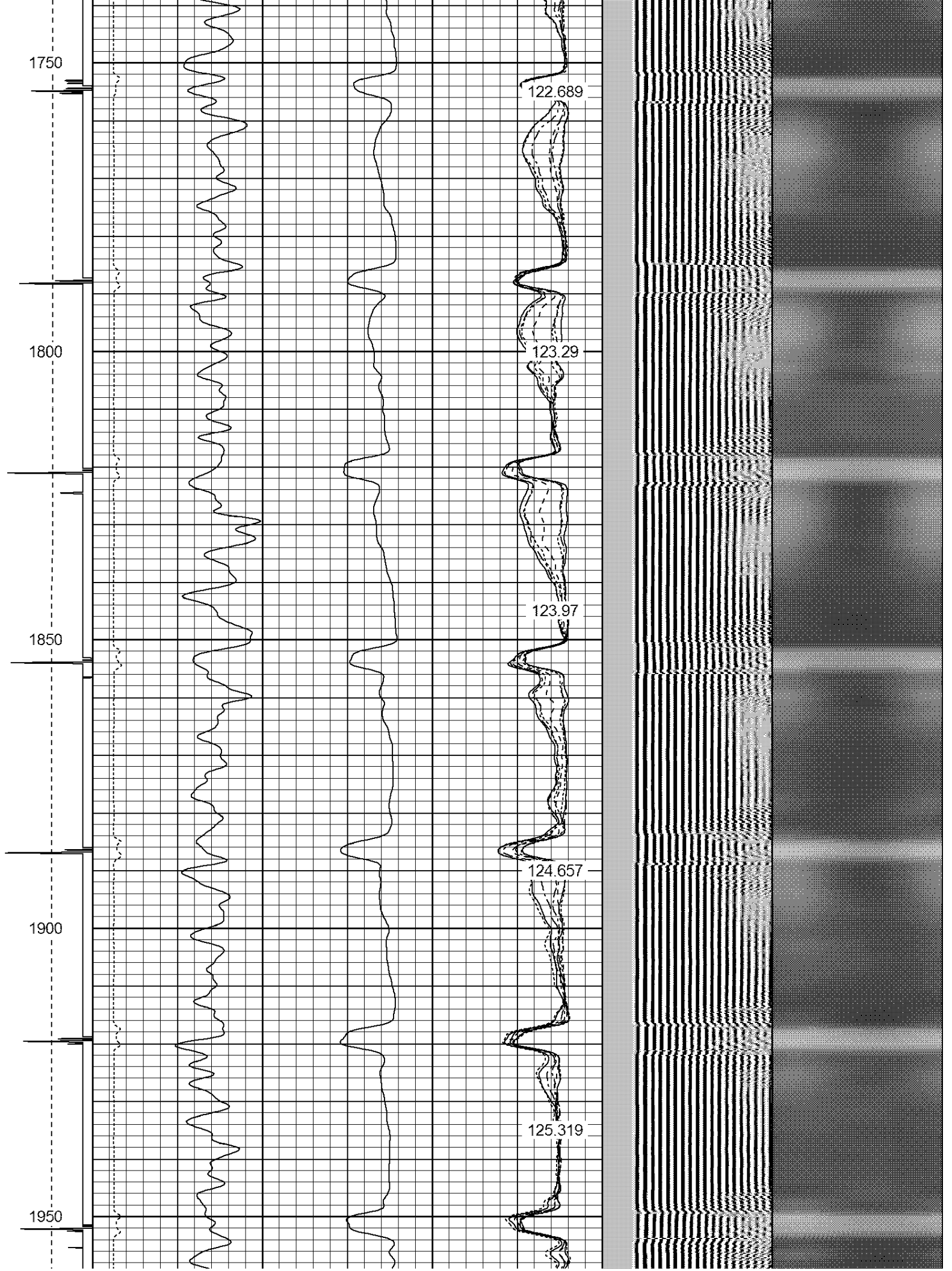
1300
1350
1400
1450
1500

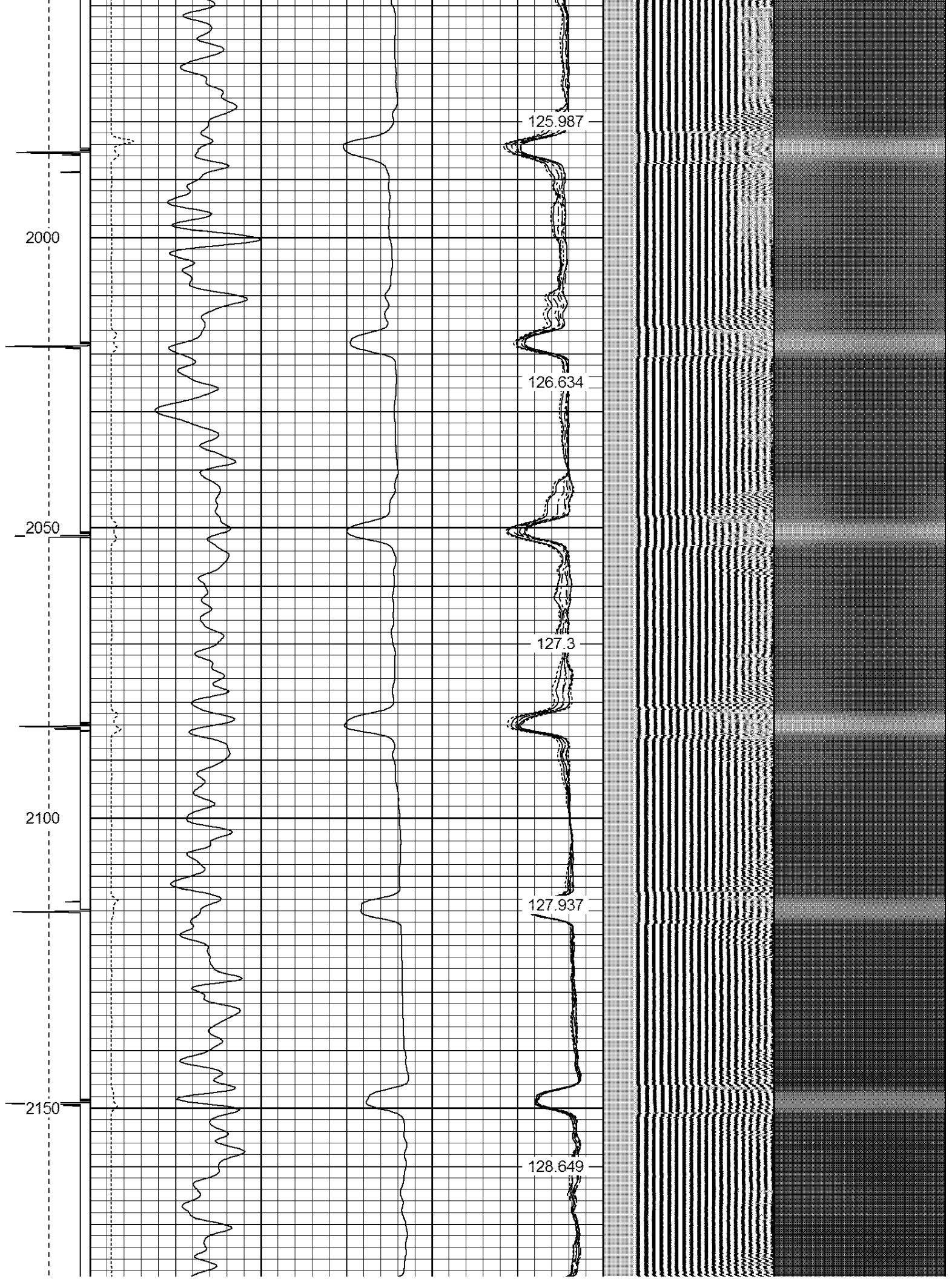


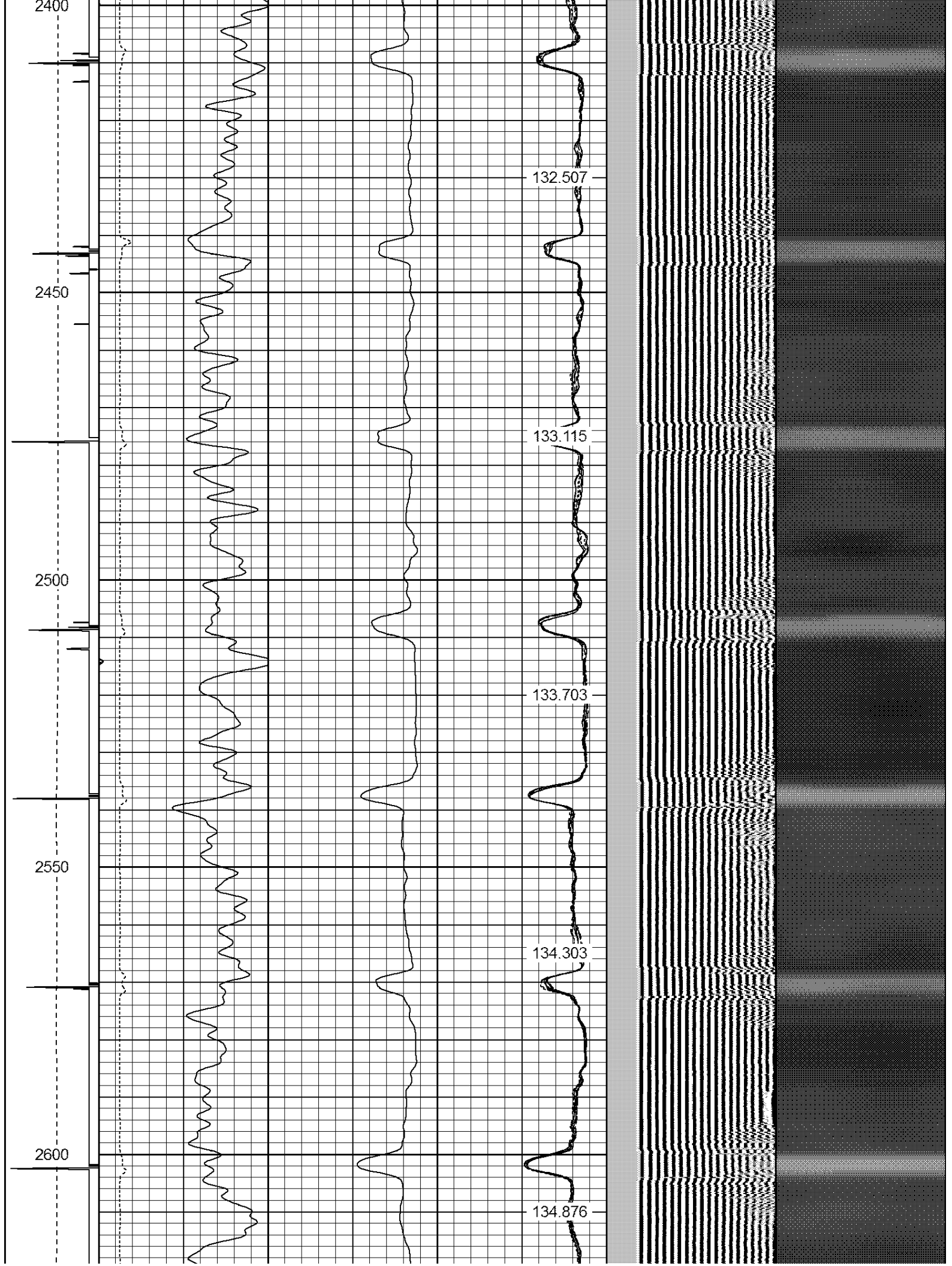
116.029
116.674
117.311
118.007
118.653

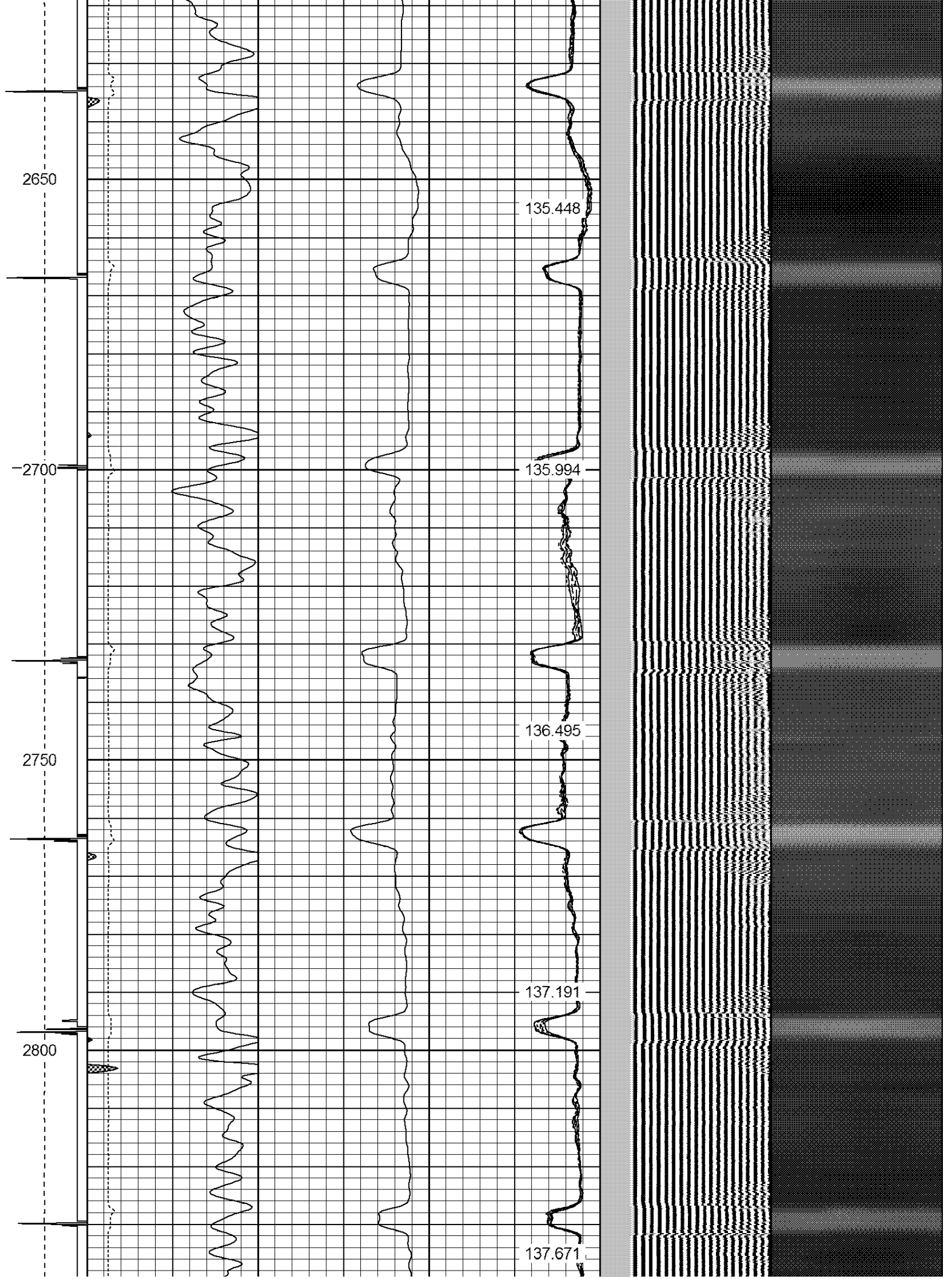




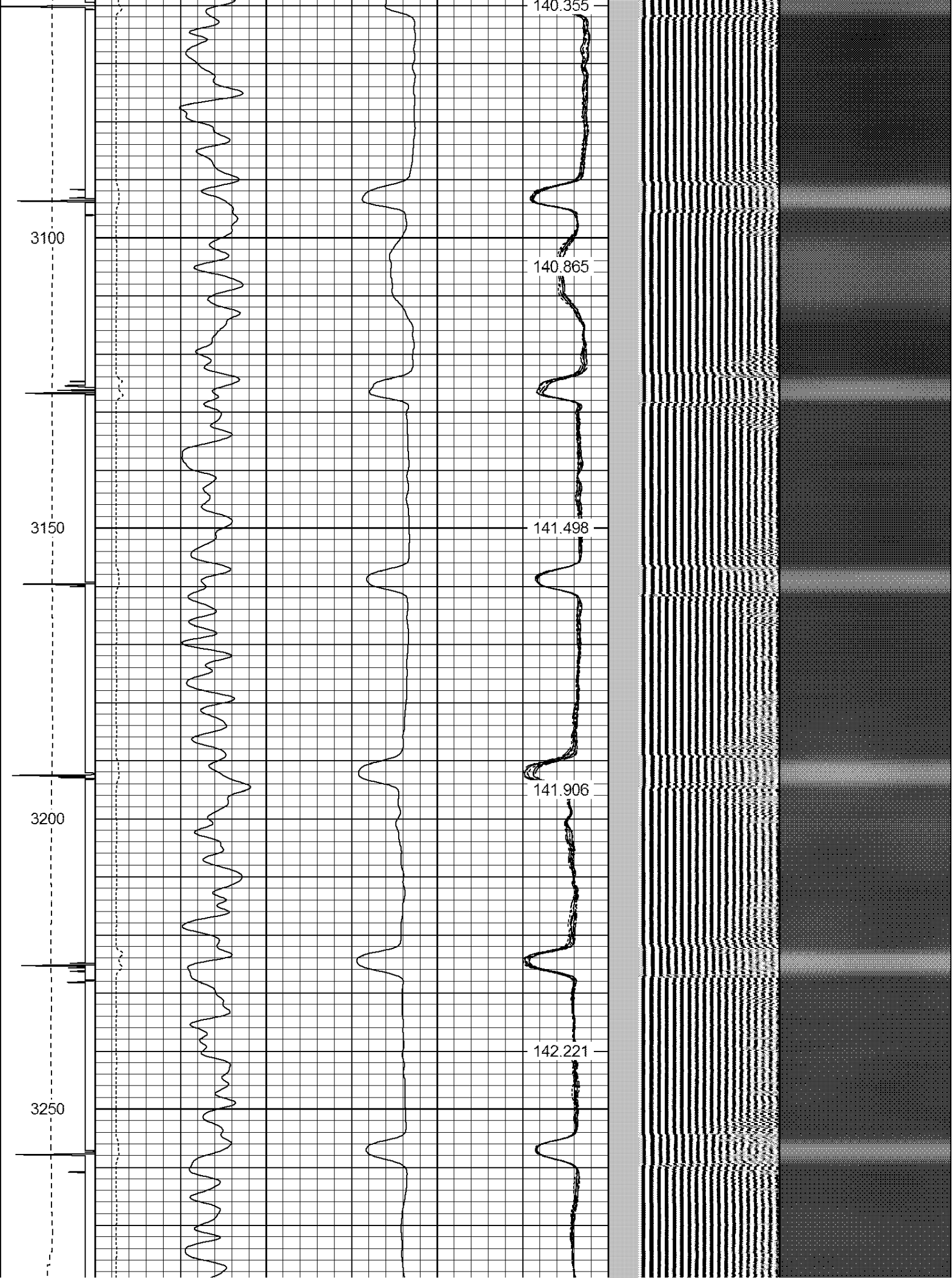


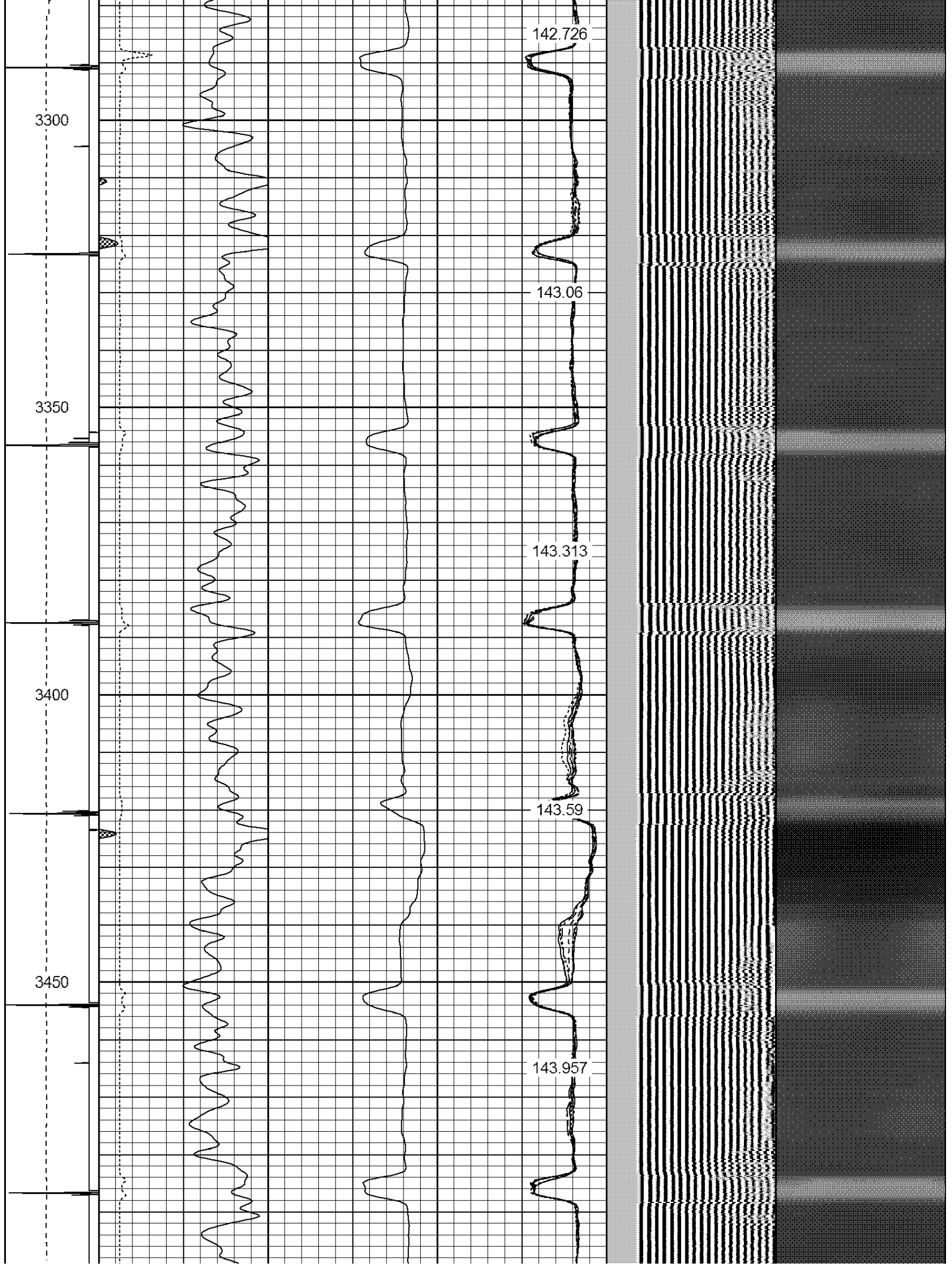




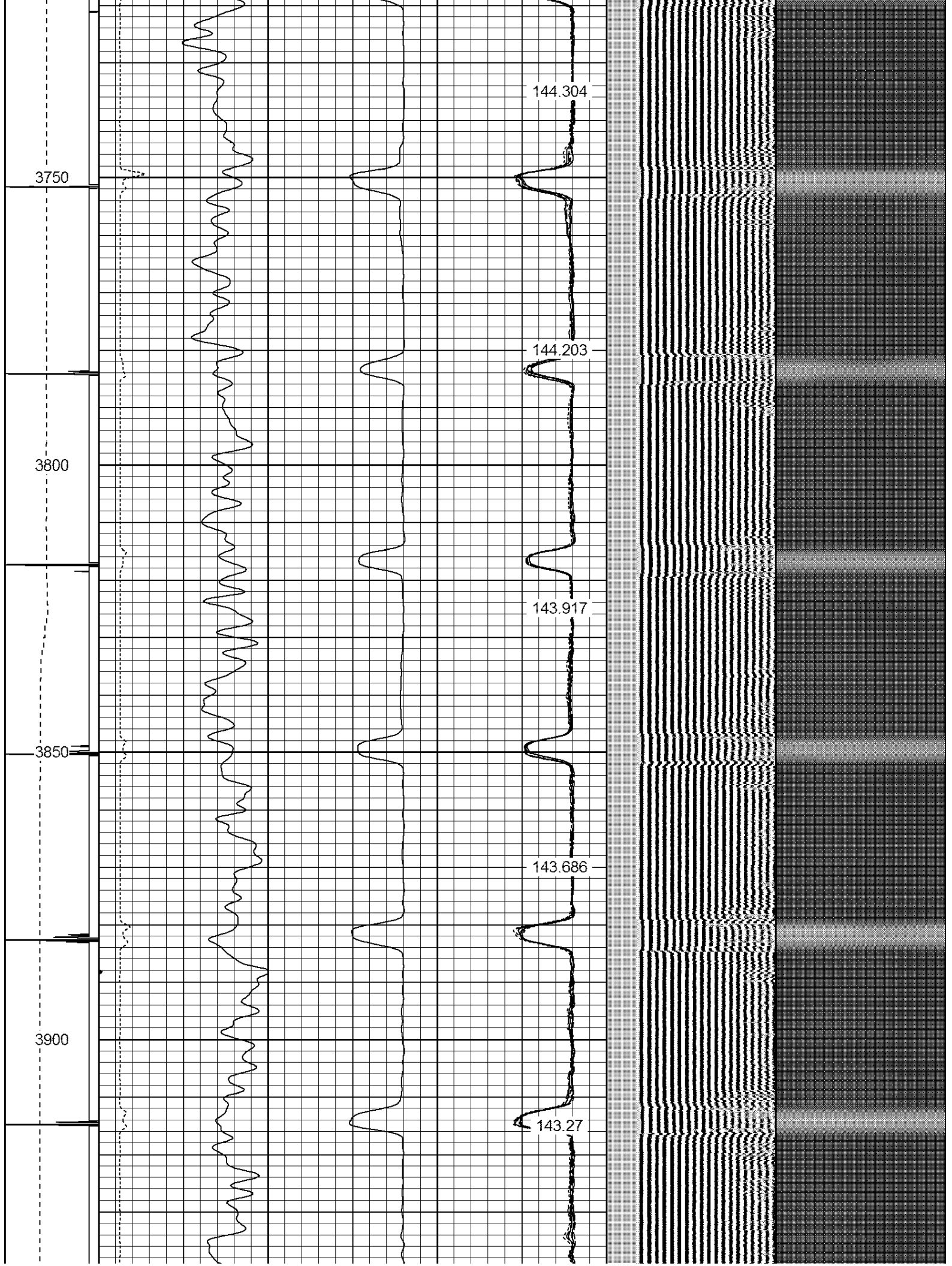


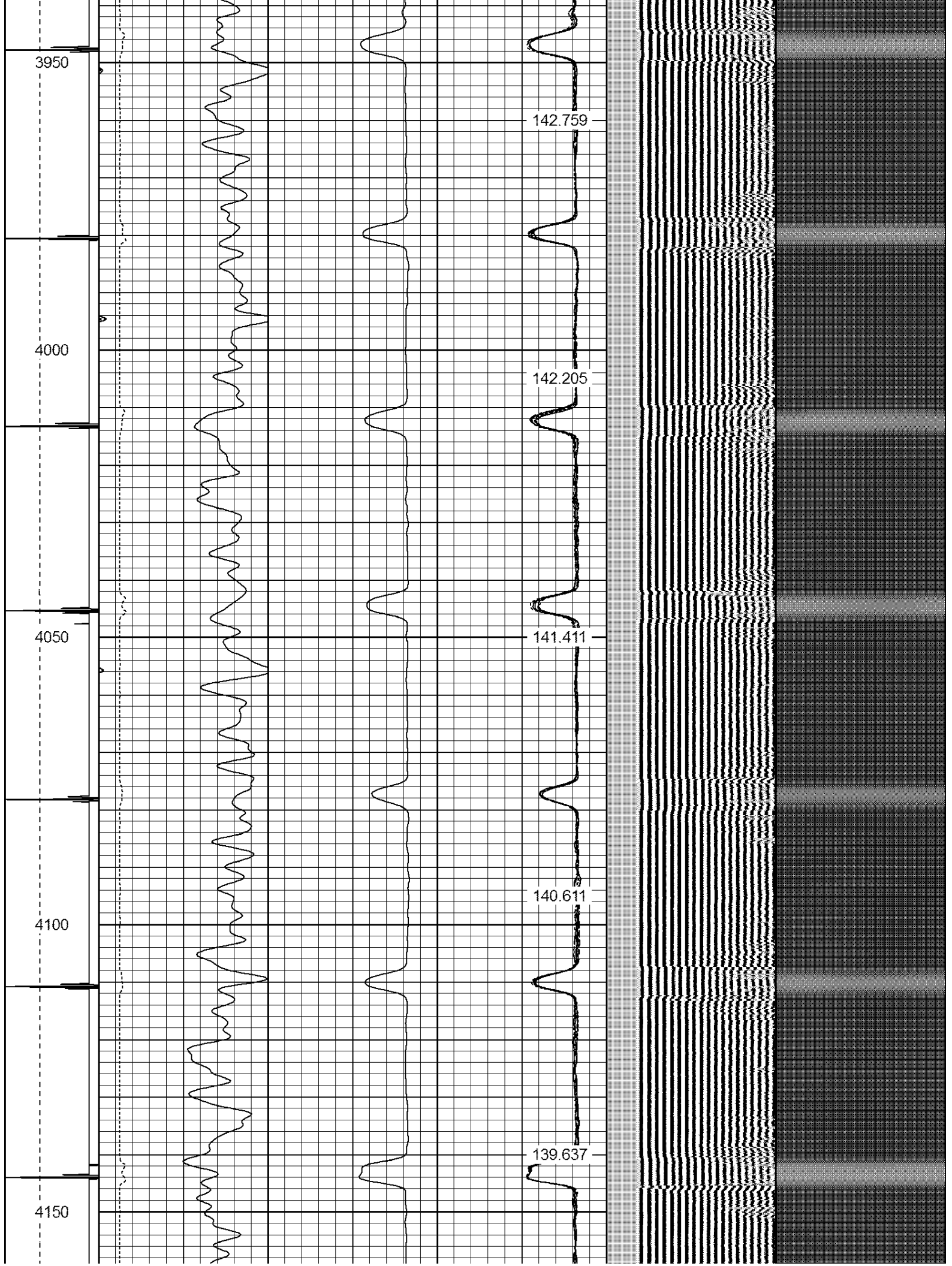


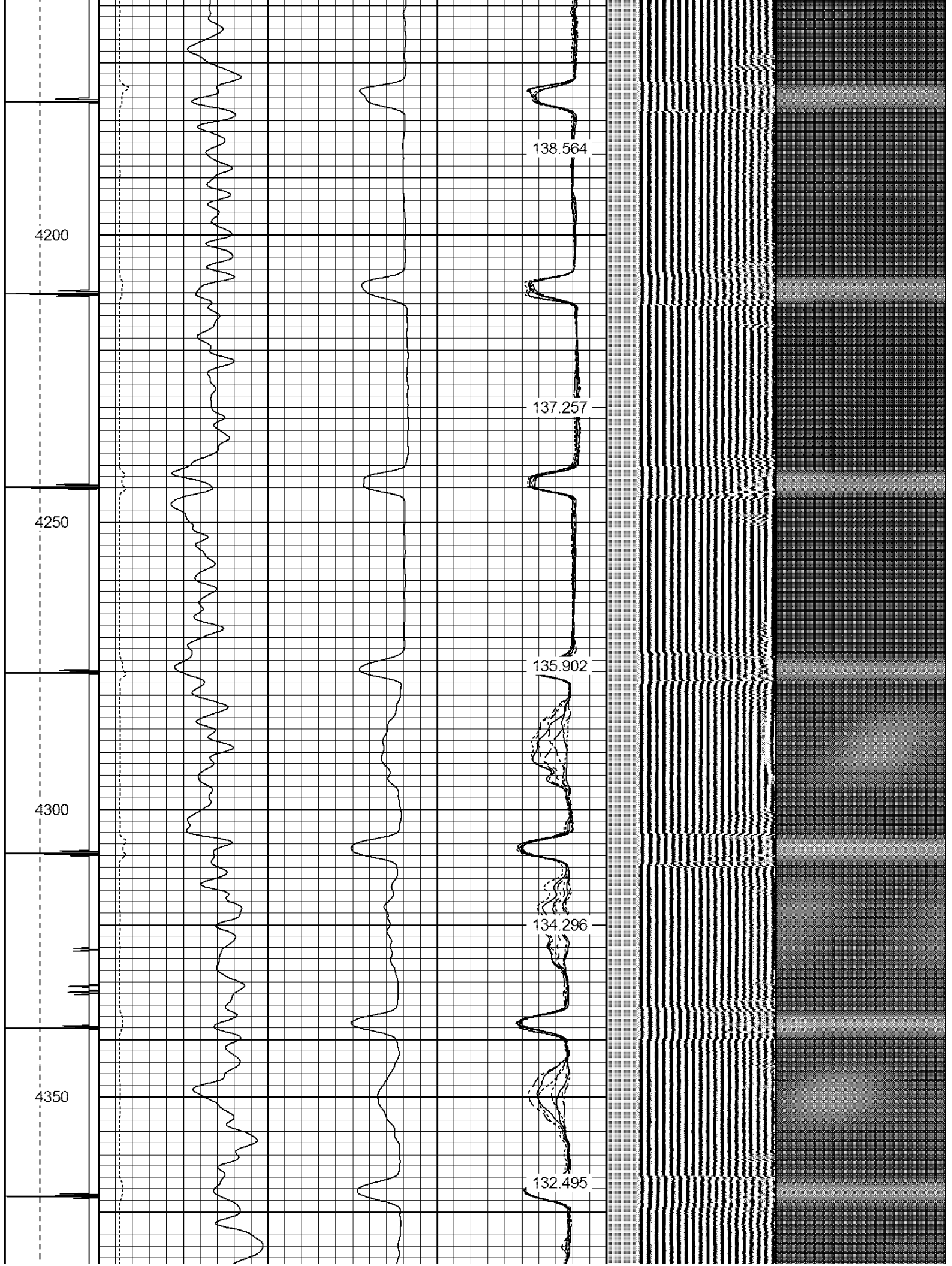


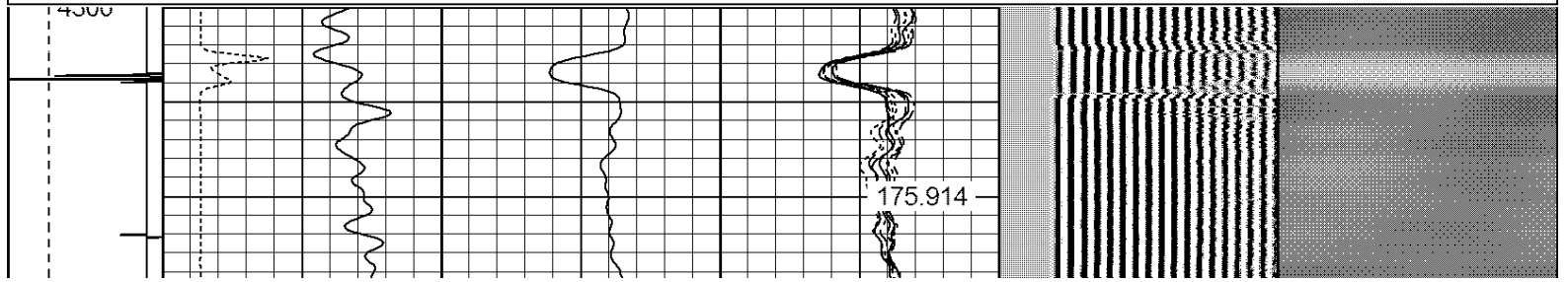
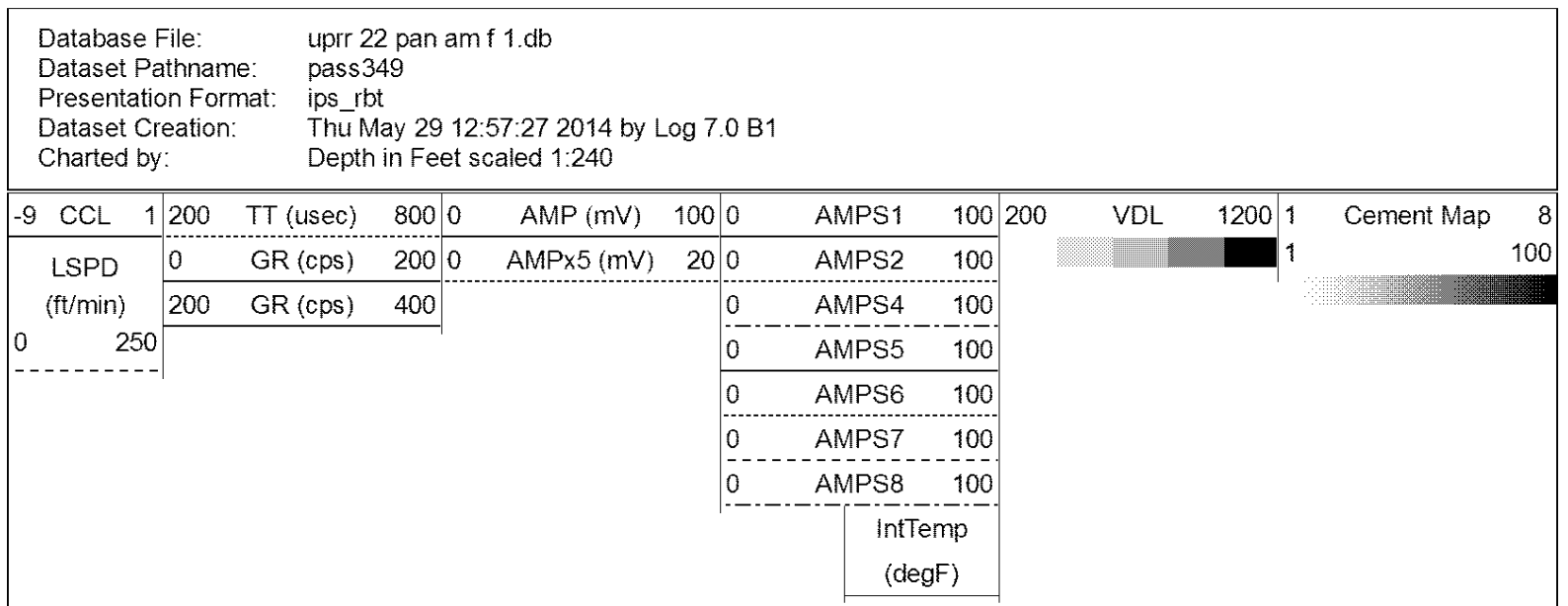
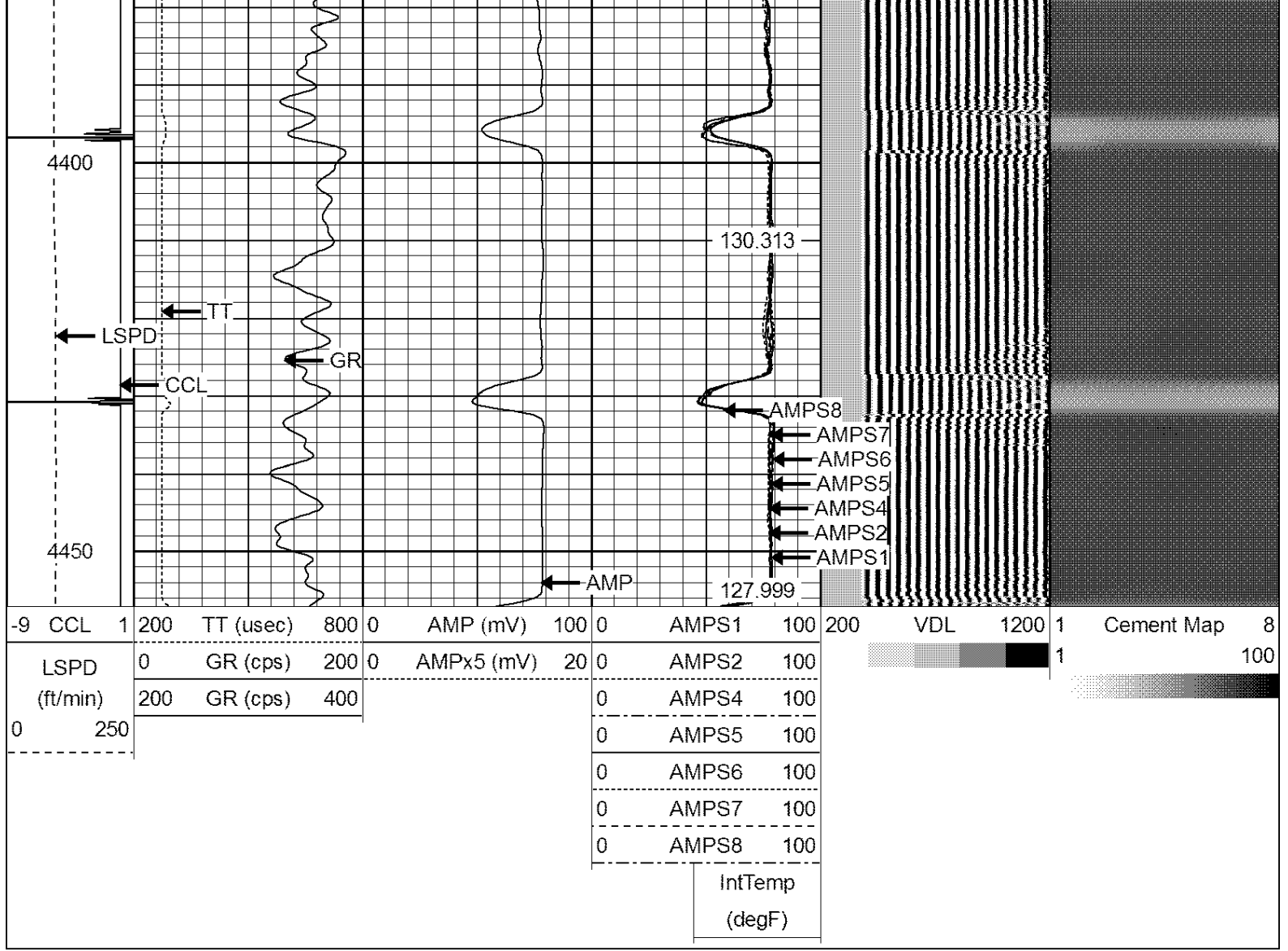


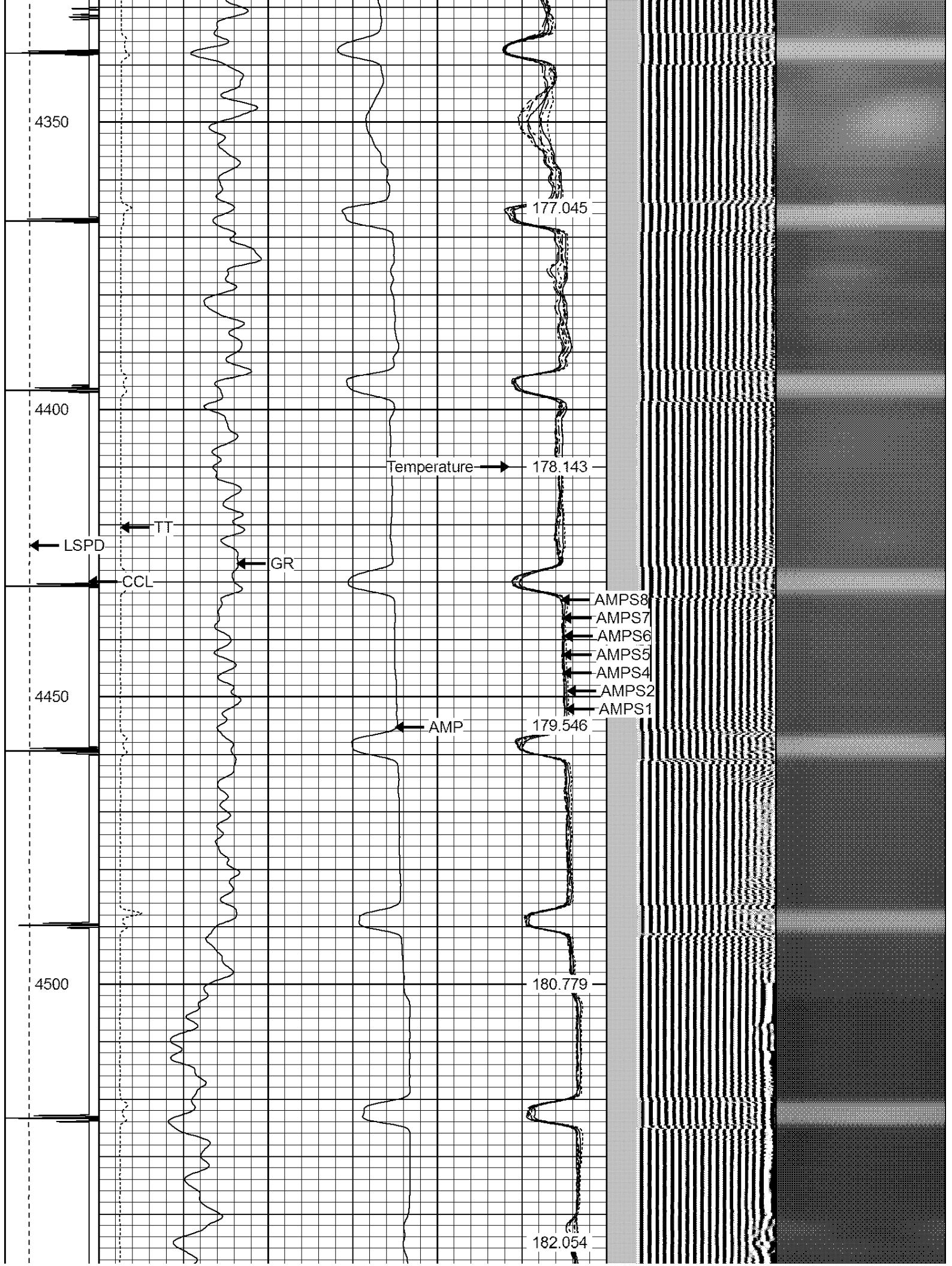


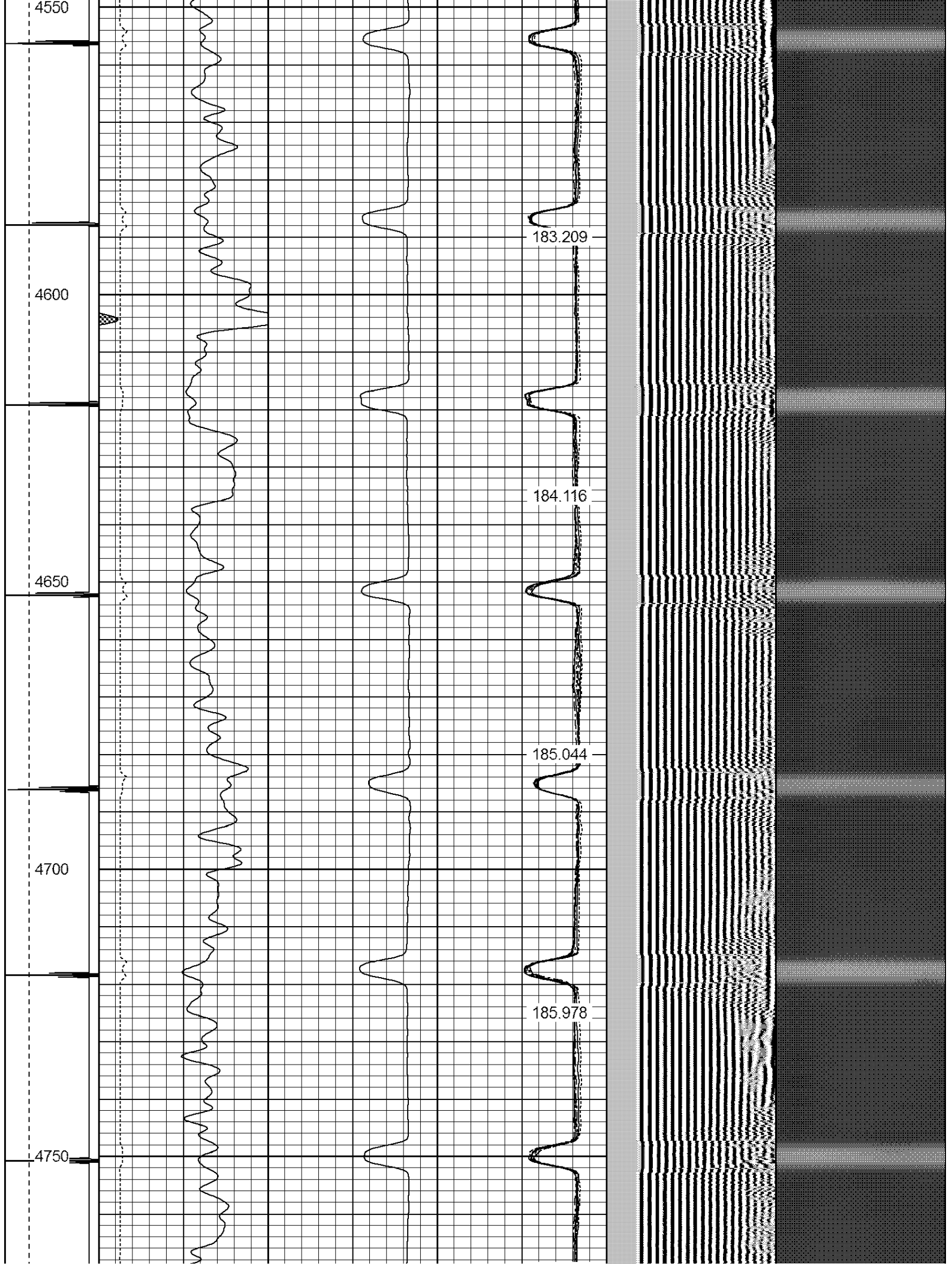


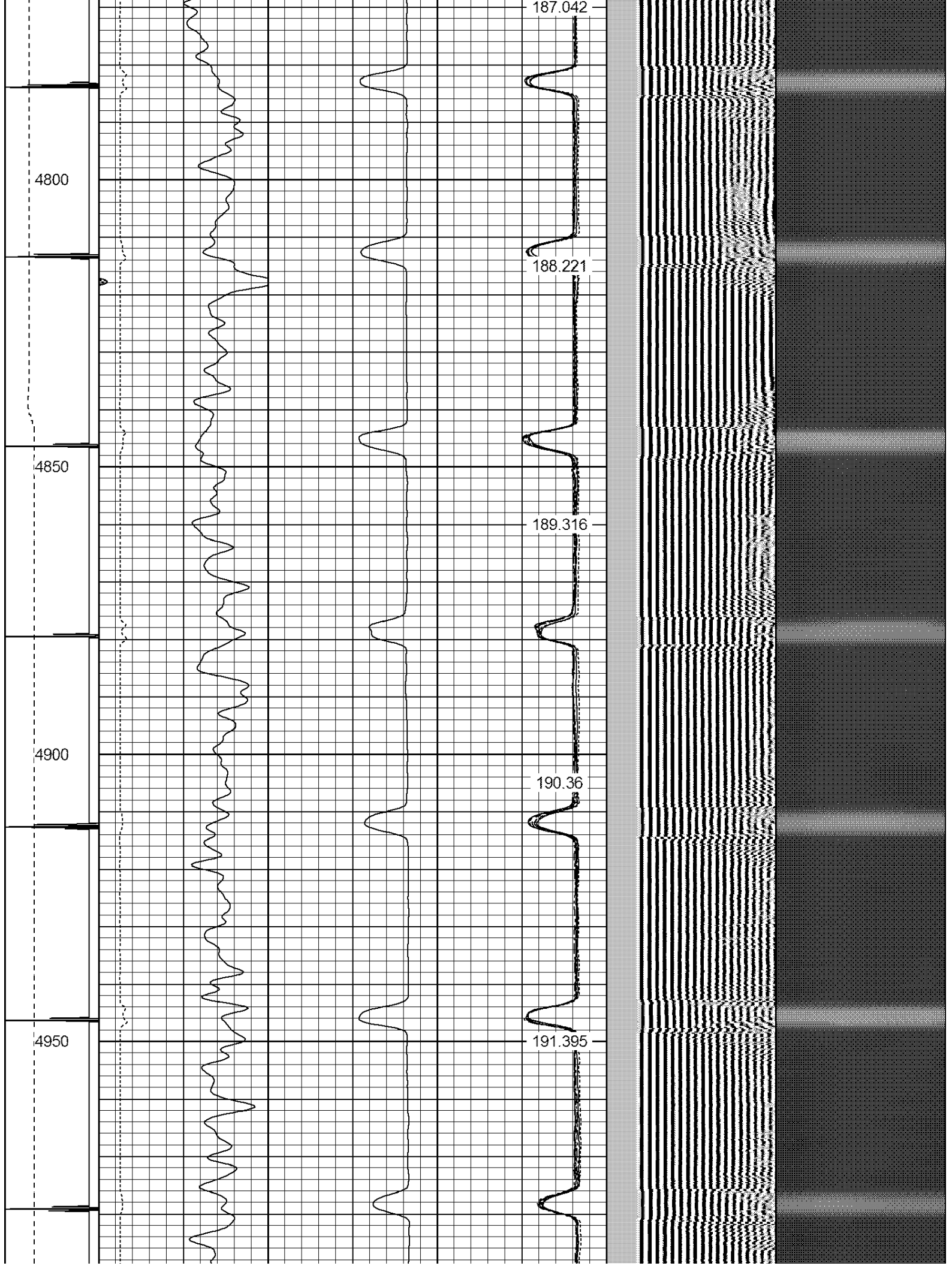


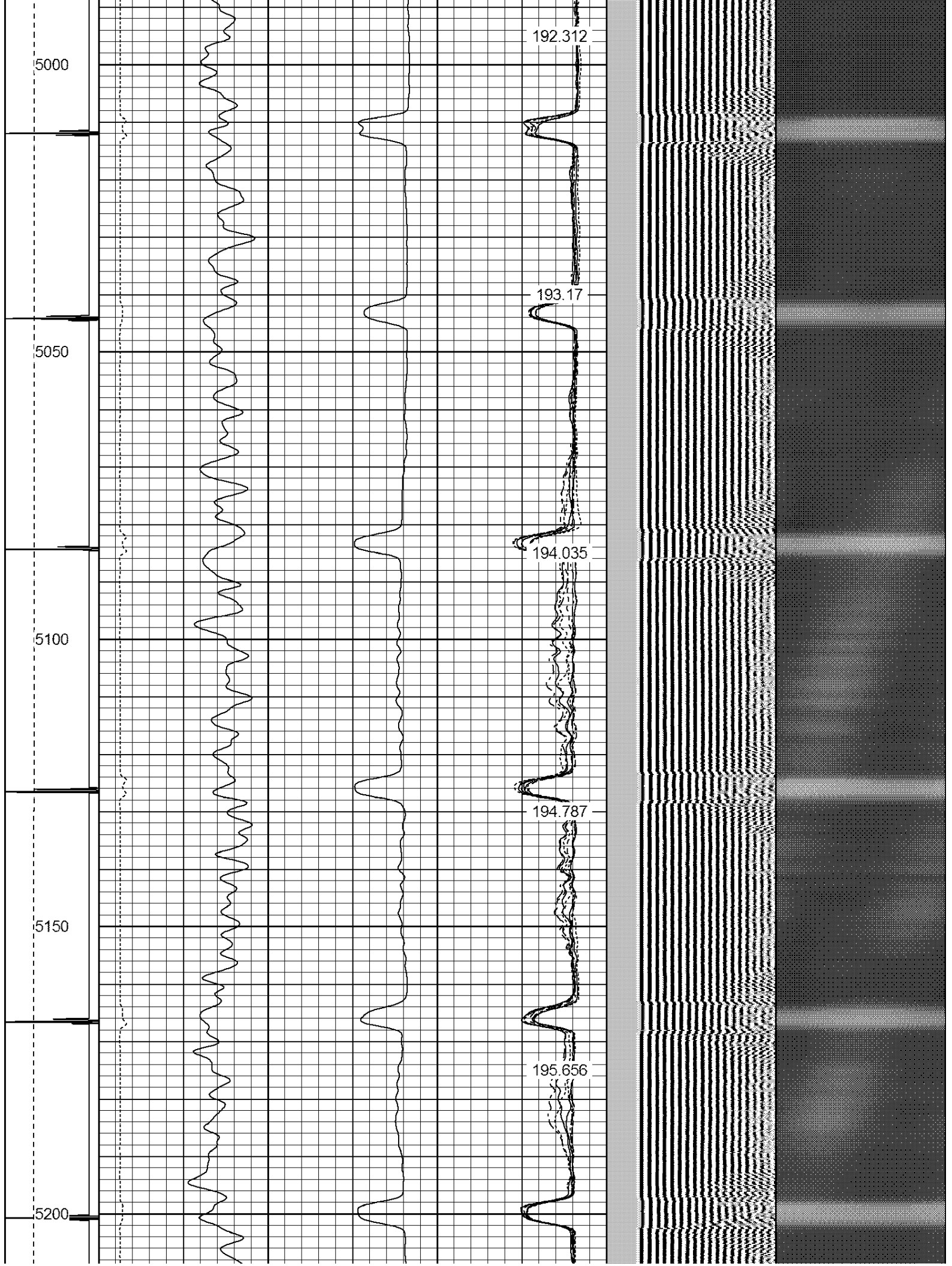


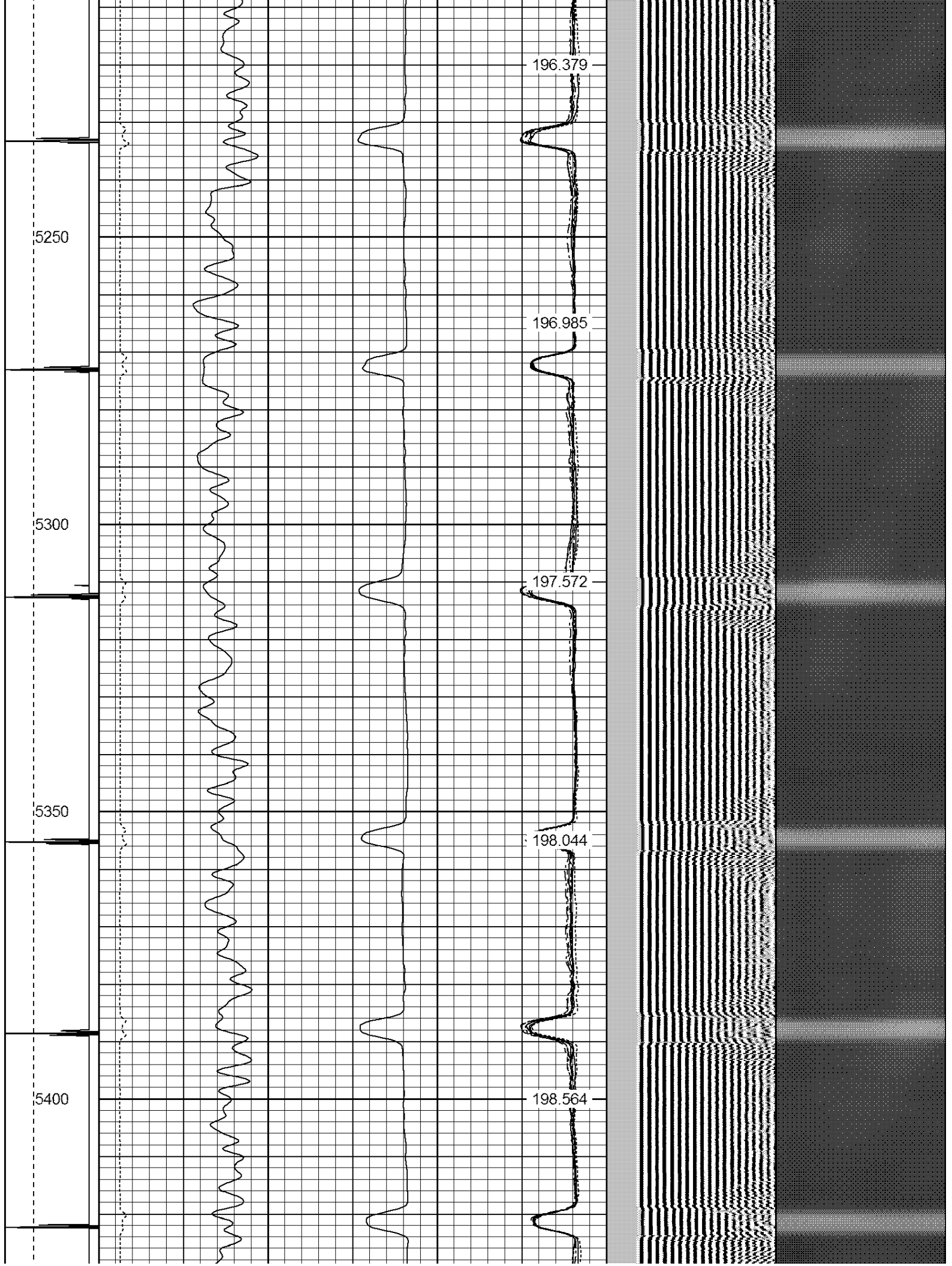


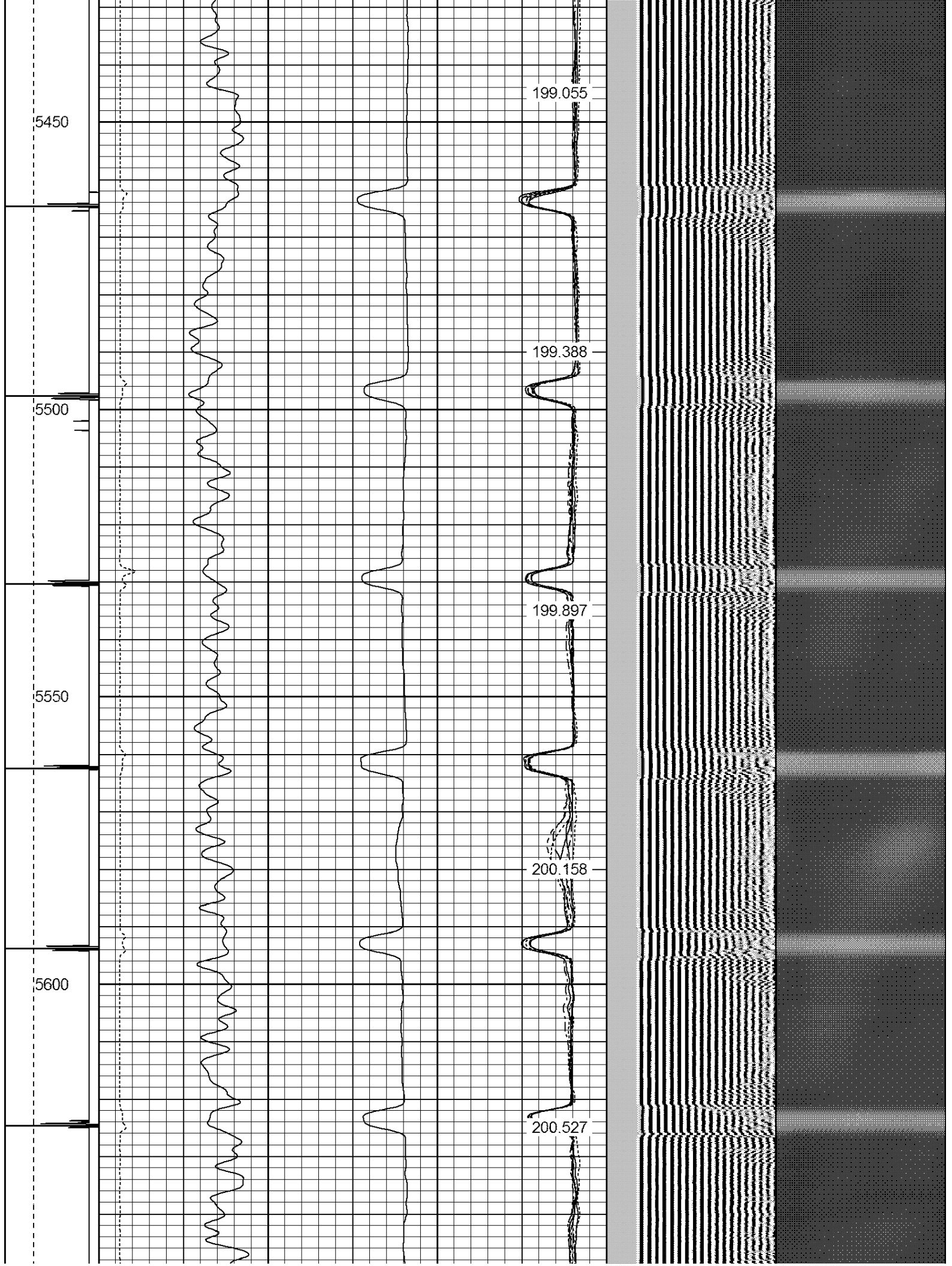




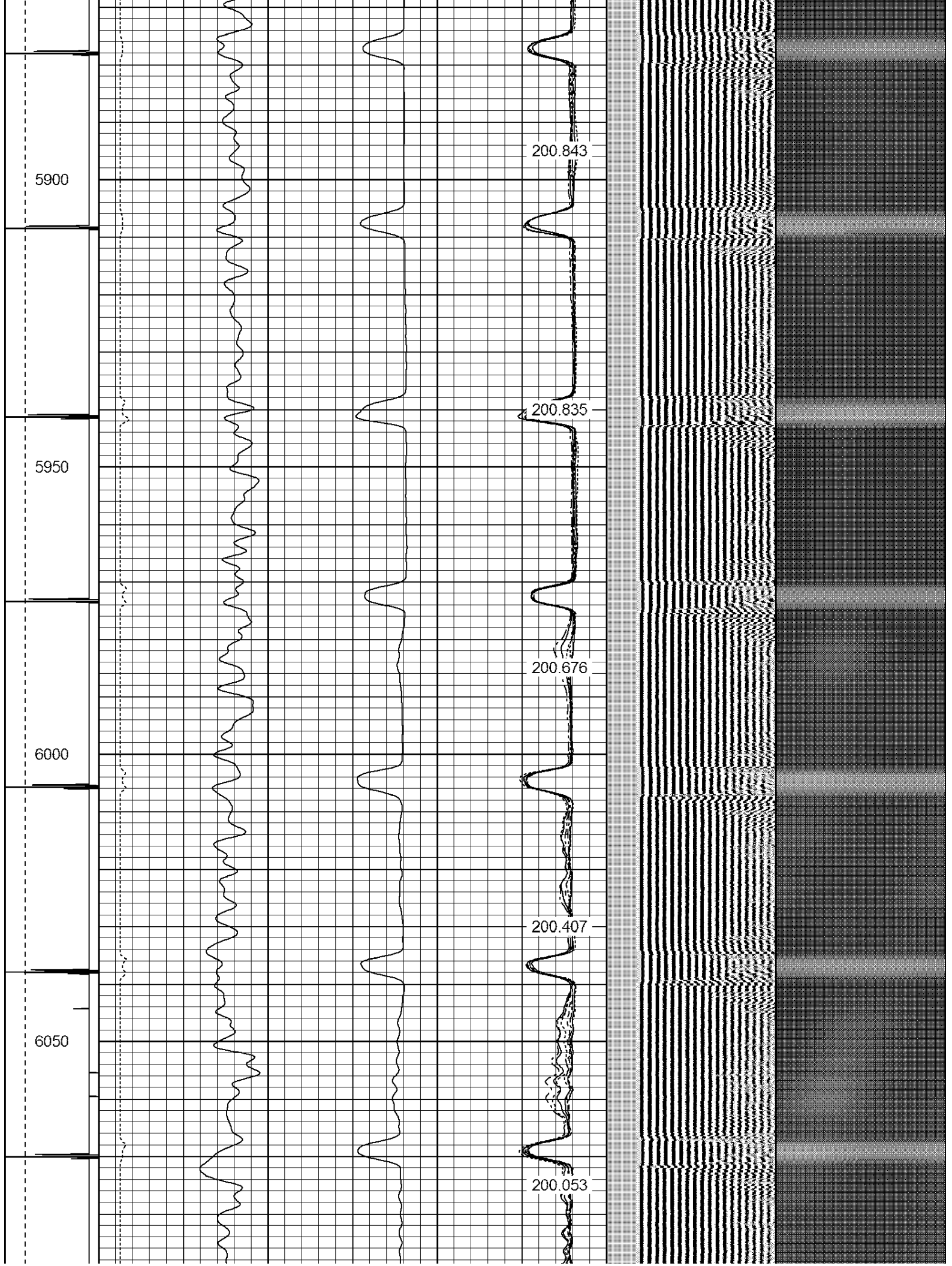


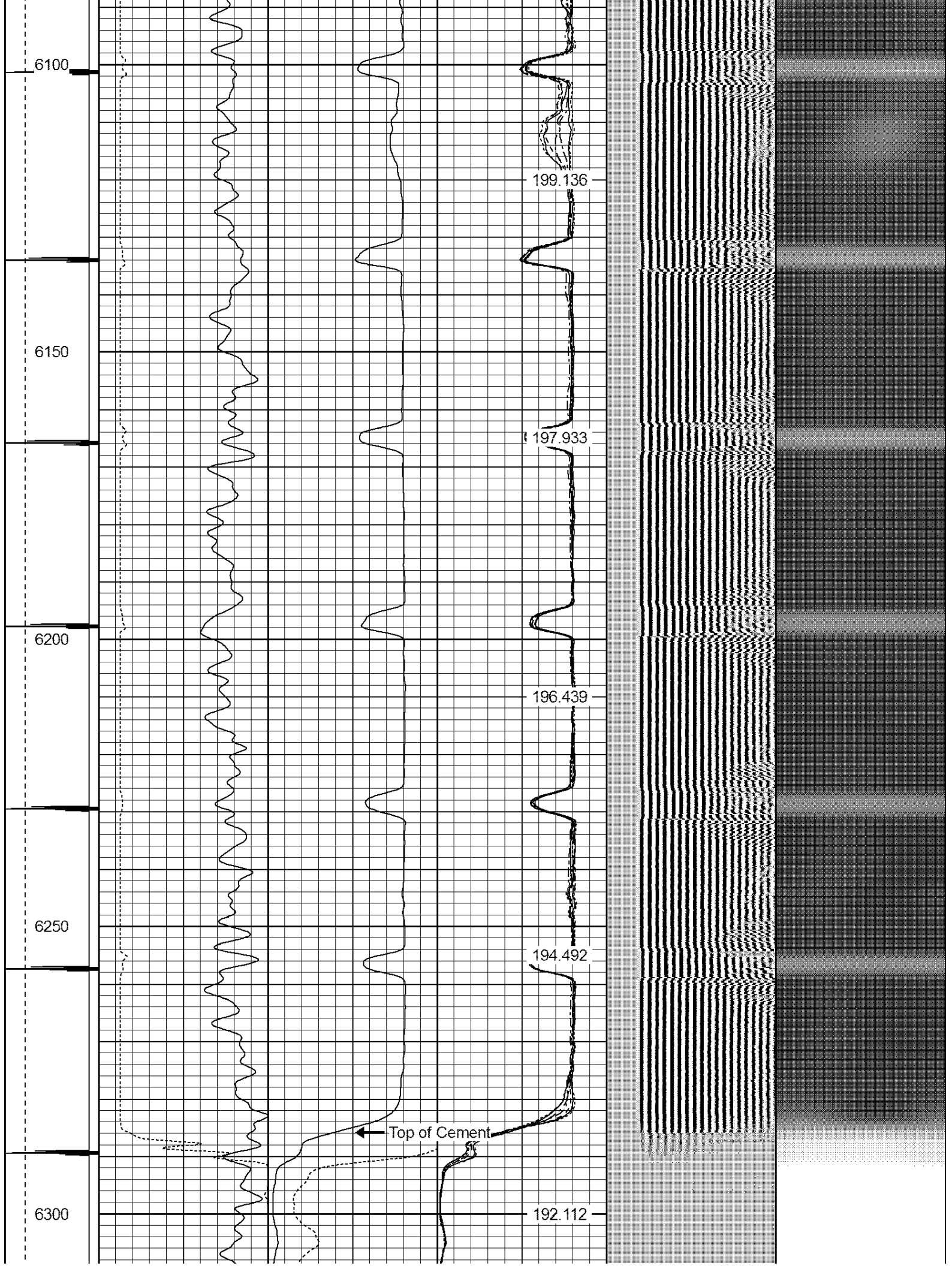


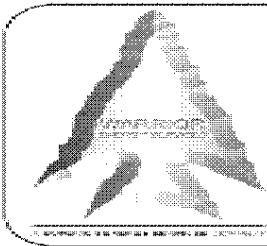
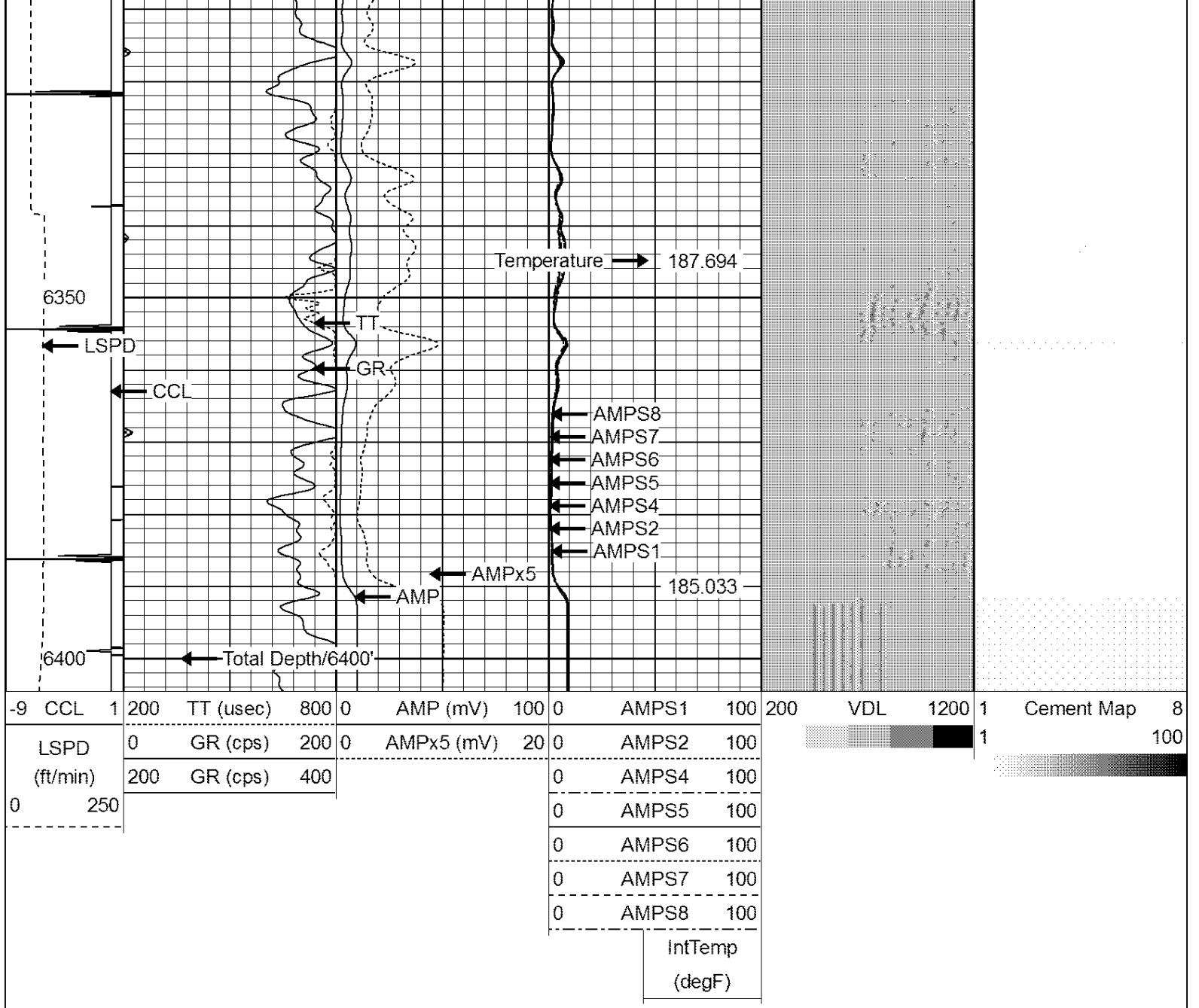












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