



**RADIAL CEMENT BOND
GAMMA RAY
CCL**

Company BONANZA CREEK ENERGY
Well LATHAM T34-P31-2HC
Field WATTENBERG
County WELD State CO

Location: SHL 324' FSL & 2190' FEL SWSE
API # : 05-123-38789
Other Services

SEC 2 TWP 4N RGE 63W

Permanent Datum GL Elevation 4520'
Log Measured From KB 16'
Drilling Measured From KB

Elevation
K.B. 4536'
D.F. 4535'
G.L. 4520'

Date 7-15-2014

Run Number ONE
Depth Driller N/A
Depth Logger 6031'
Bottom Logged Interval 6028'
Top Log Interval SURFACE
Open Hole Size 7.875
Type Fluid WATER
Density / Viscosity 1.0
Max. Recorded Temp. 183
Estimated Cement Top 189
Time Well Ready N/A
Time Logger on Bottom N/A
Equipment Number 4310
Location GREELEY
Recorded By N. BREHMER
Witnessed By D. BARBLERUSSE

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.63	36#	SURFACE	787'
Prot. String				
Production String	7	26#	SURFACE	6825'
Liner	4.5	11 6#	6645'	

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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

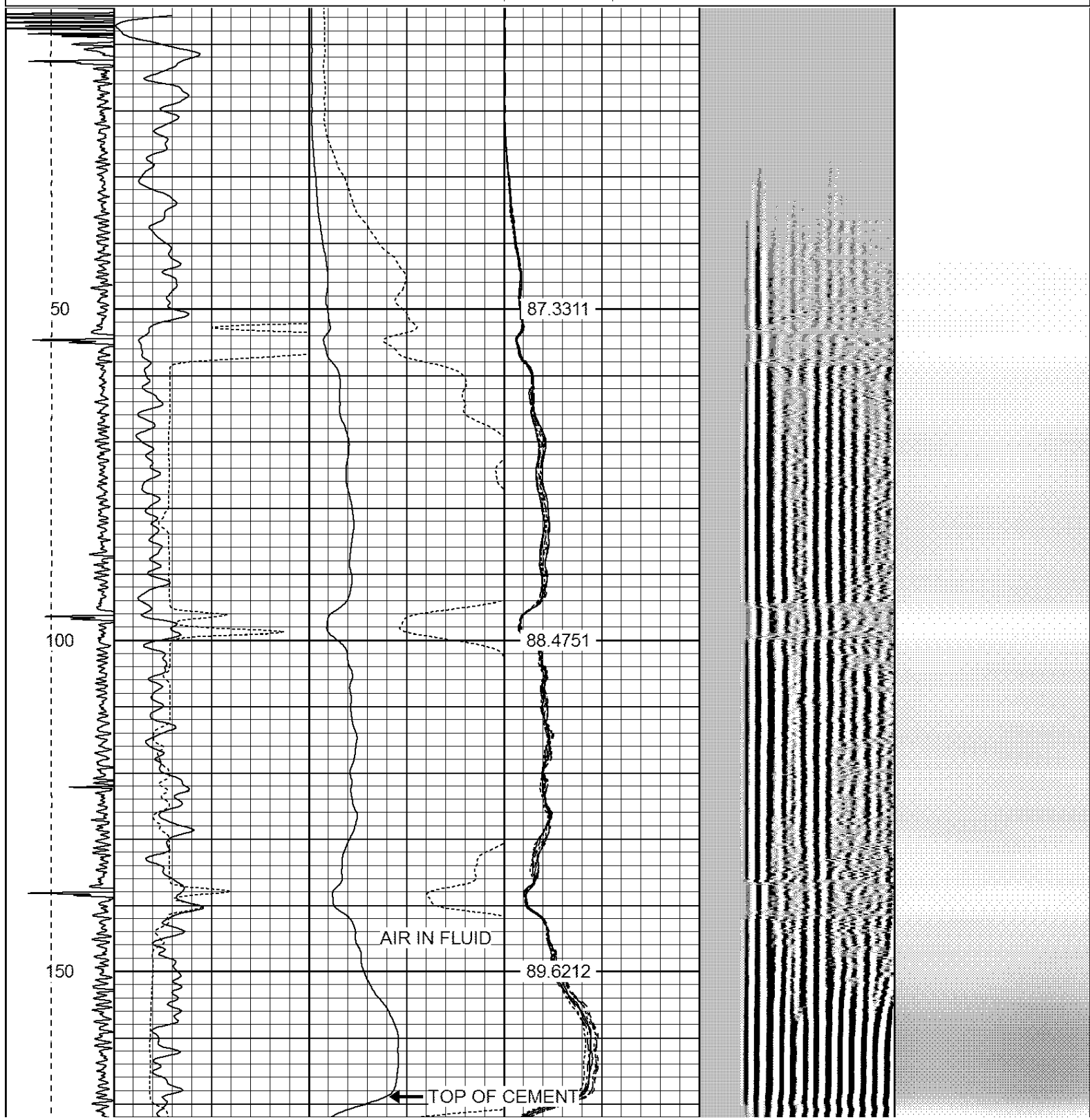
COULDN'T FALL TO LINER TOP TO CORRELATE
RAN LOG OFF K.B. DEPTH 16'
RAN CBL TO VERIFY CEMENT BOND

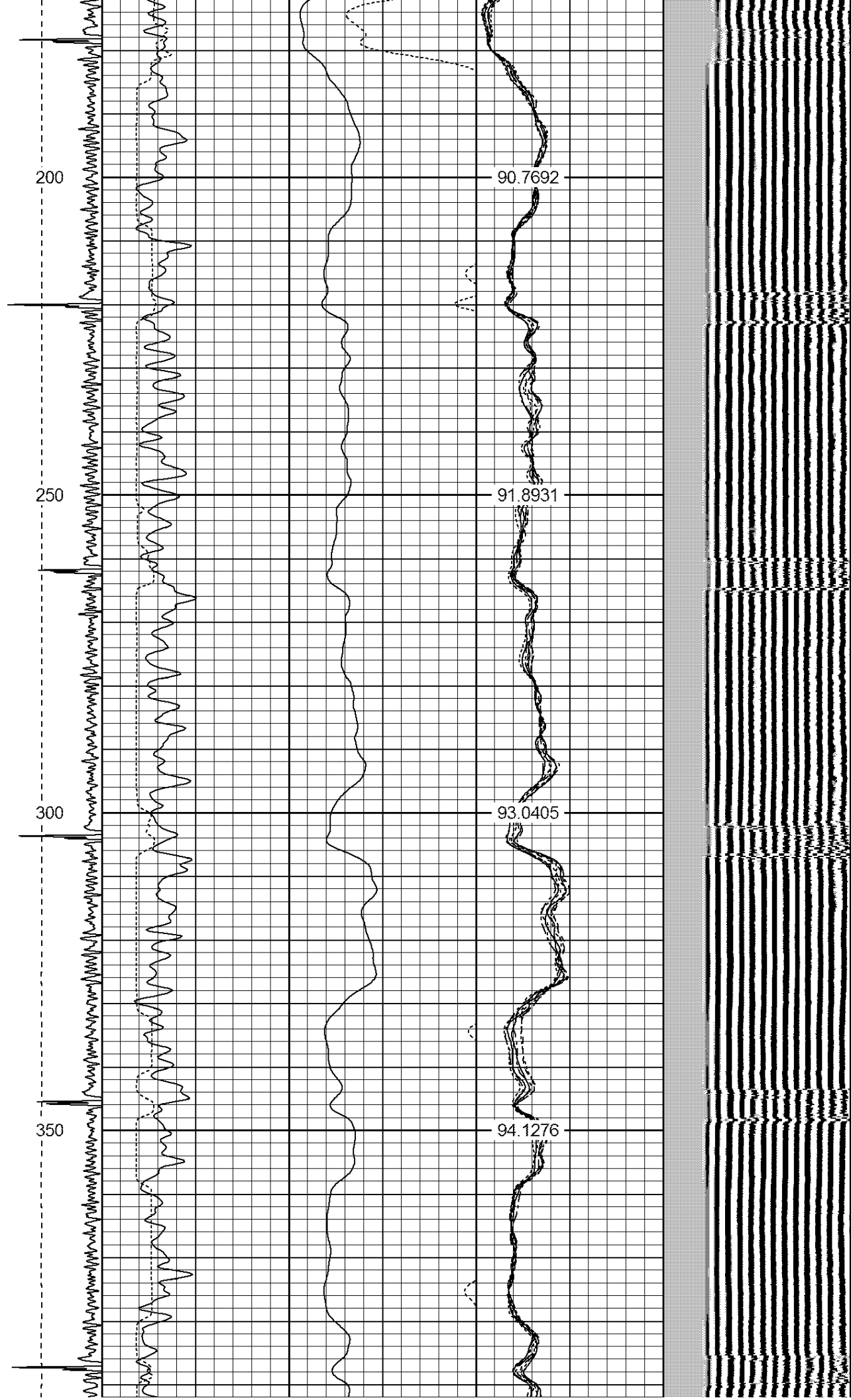
THANK YOU FOR USING WARRIOR !!!!!!!

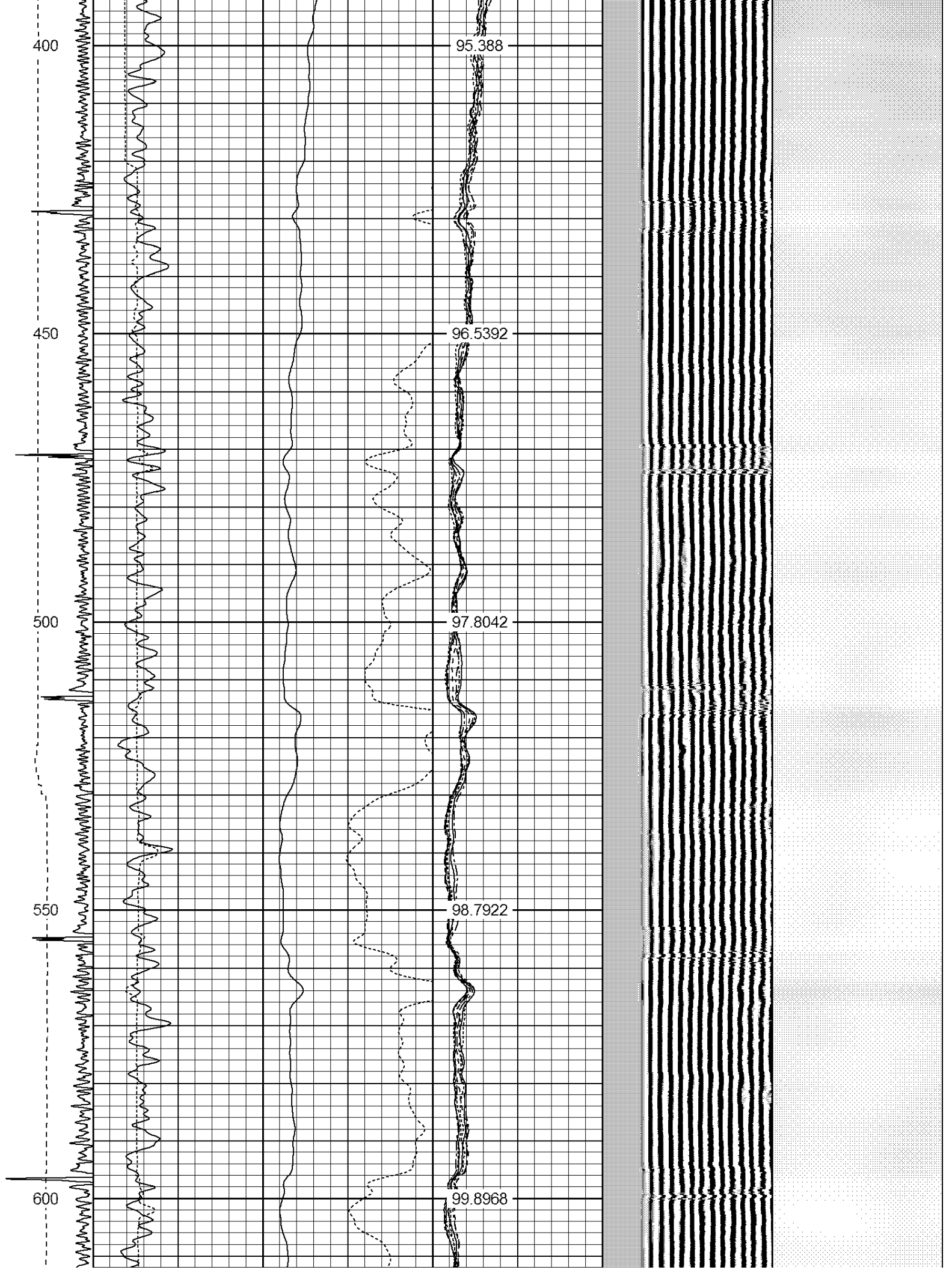
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

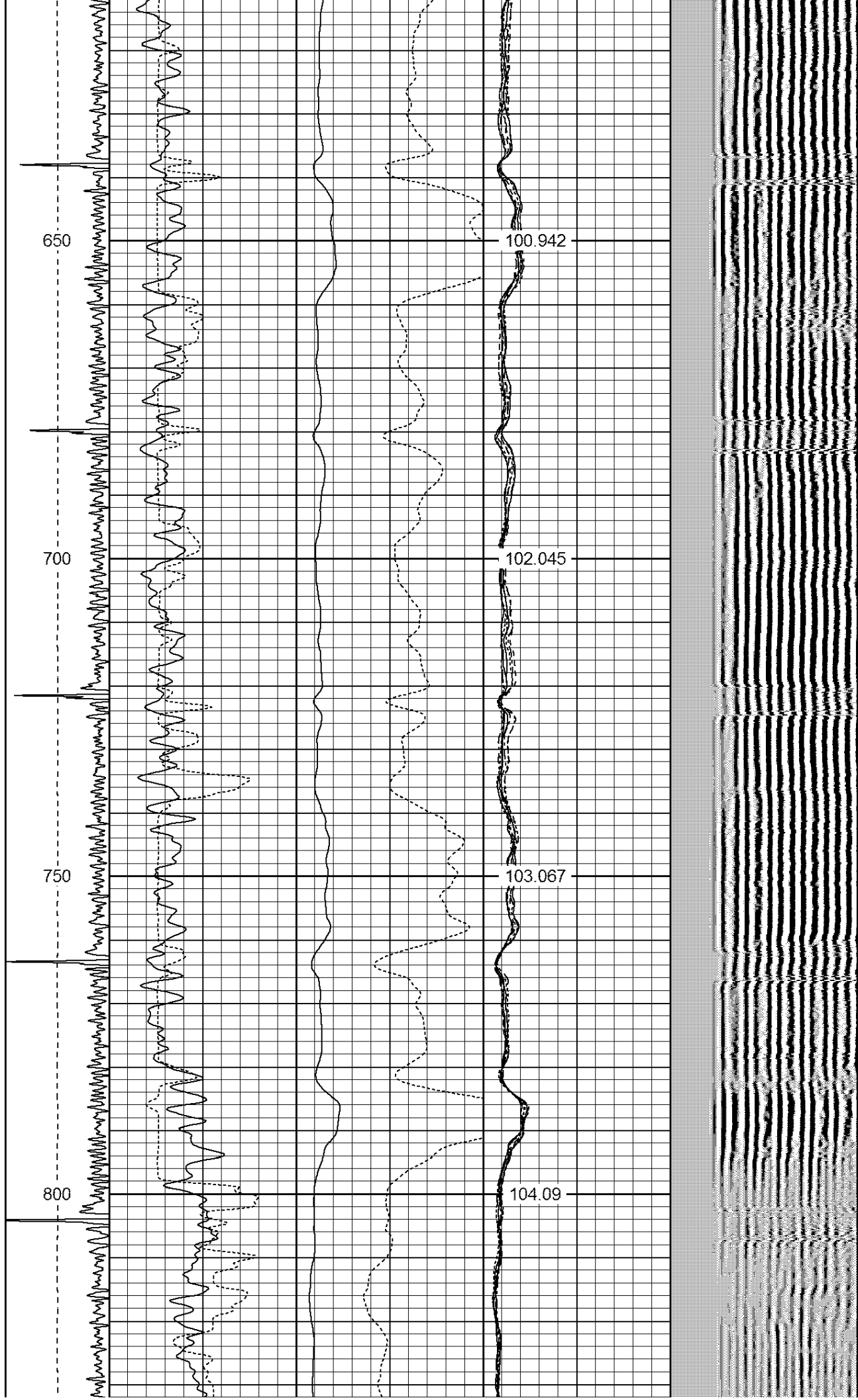
CNLSC	17.75		CNT-Probe_B (275) 6 bow centralizer	3.00	2.75	40.00
CNSSC	16.92					
HEADVOLT	16.08					
IntTemp	14.67					
WVF3FT	11.42					
WVFCAL	11.42					
WVFS1	11.42					
WVFS2	11.42					
WVFS3	11.42					
WVFS4	11.42					
WVFS5	11.42					
WVFS6	11.42					
WVFS7	11.42					
WVFS8	11.42					
WVF5FT	10.42					
			RBT-Probe (Base) Probe Radli Bond Tool with Digital Telemetry	8.92	2.75	90.00
			PTS275	2.83	2.75	
CCL	3.64					
			GR-Probe (275) Probe 2.75"	4.33	2.75	30.00
GR	0.90					
Dataset: latham t34-p31-2hc.db: field/well/run1/pass5 Total Length: 19.08 ft Total Weight: 160.00 lb O.D. 2.75 in						

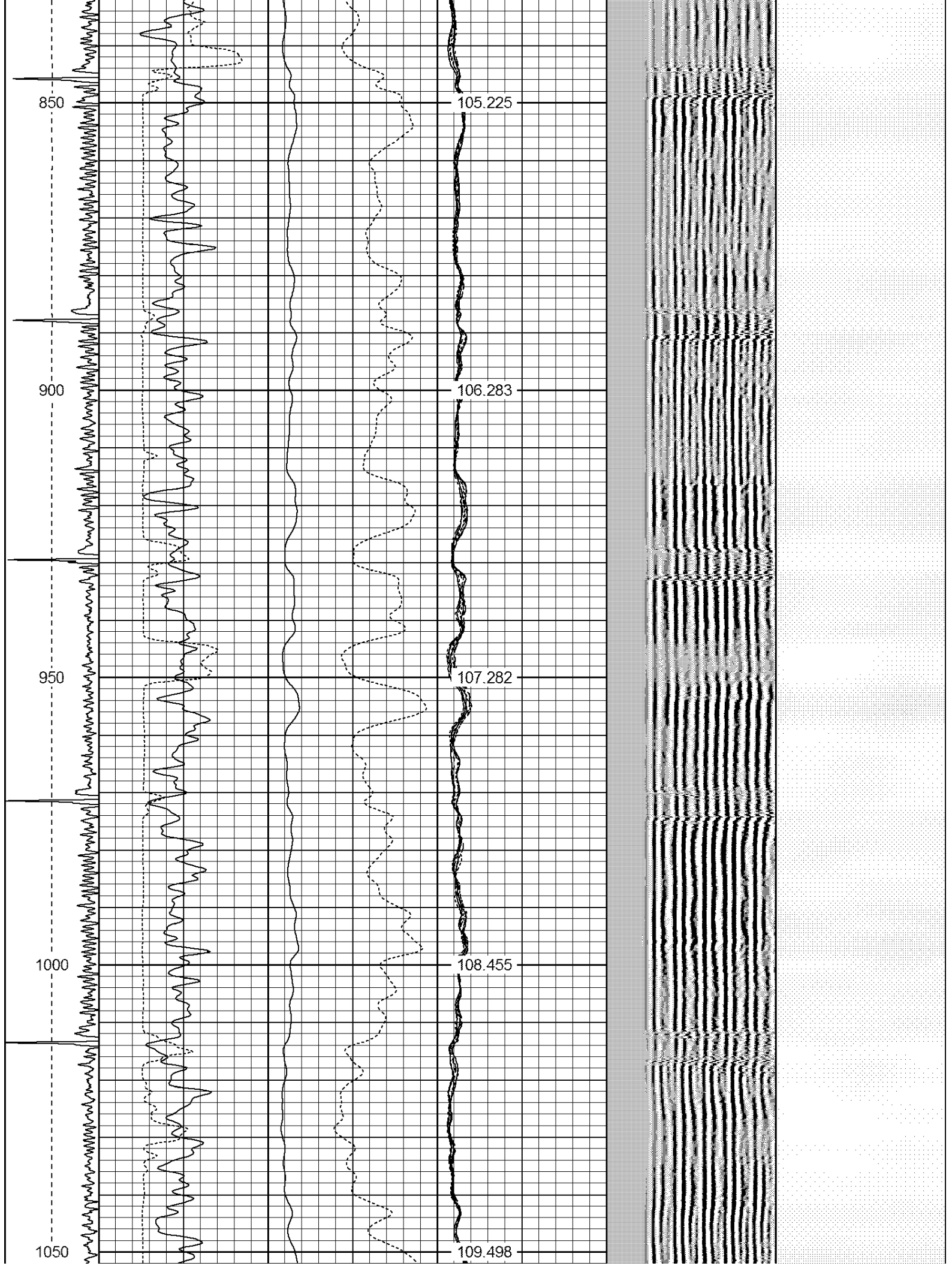
-9	CCL	1	200	TT (usec)	800	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200	1	Cement Map	8
LSPD			0	GR (GAPI)	200	0	AMPx5 (mV)	20	0	AMPS2	100				1		100
(ft/min)			200	GR (GAPI)	400				0	AMPS4	100						
0		250							0	AMPS5	100						
									0	AMPS6	100						
									0	AMPS7	100						
									0	AMPS8	100		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

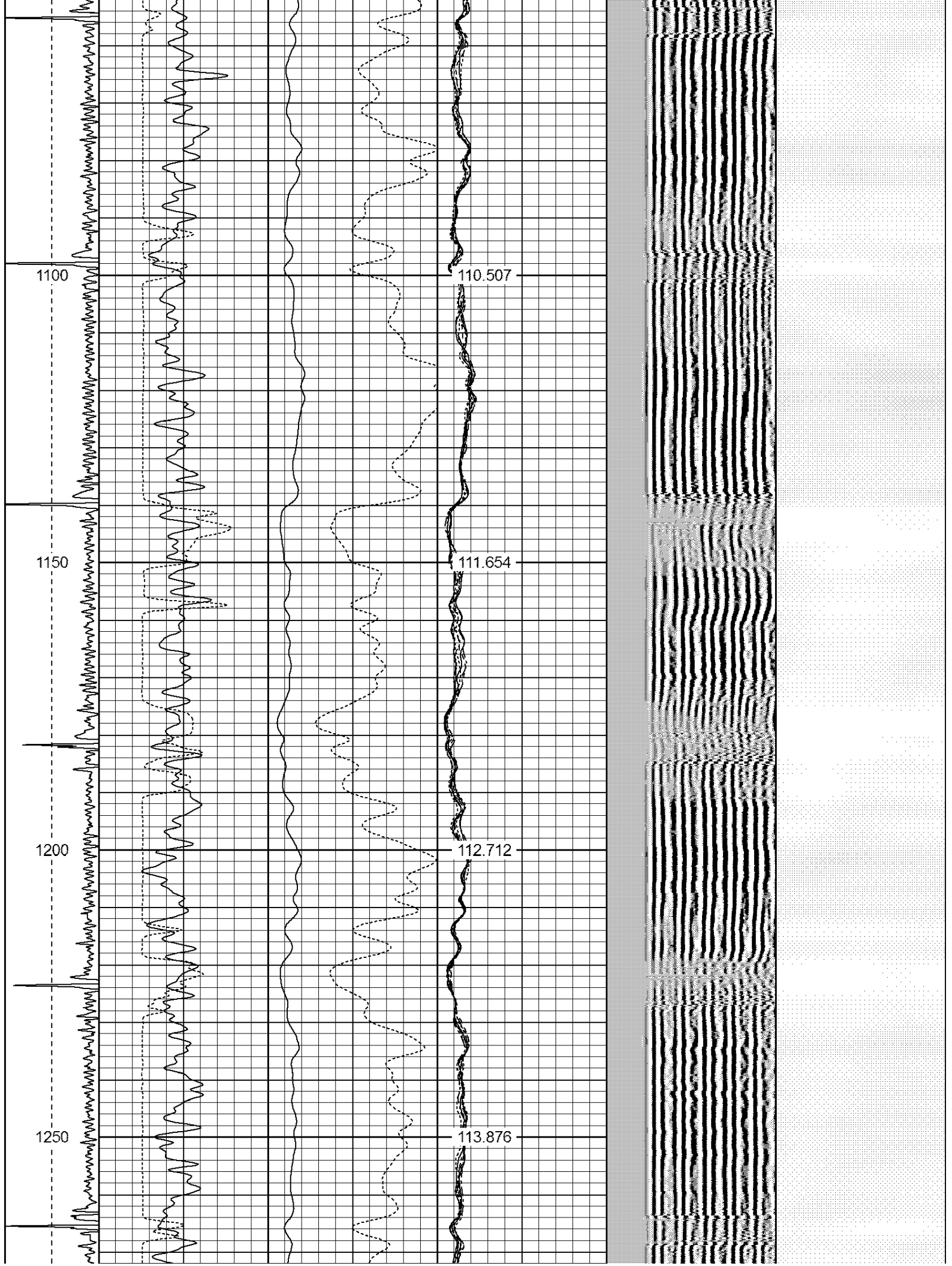




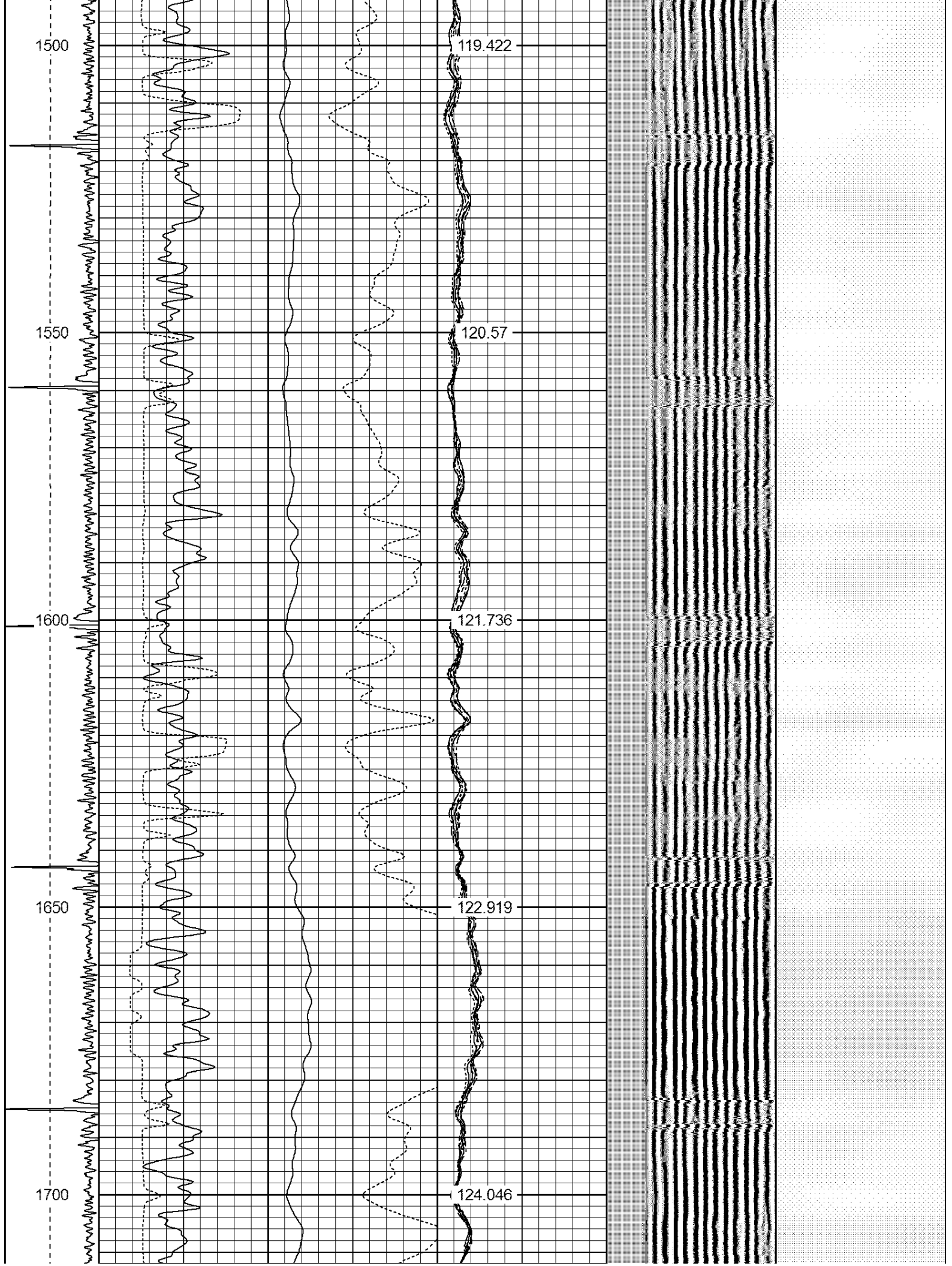


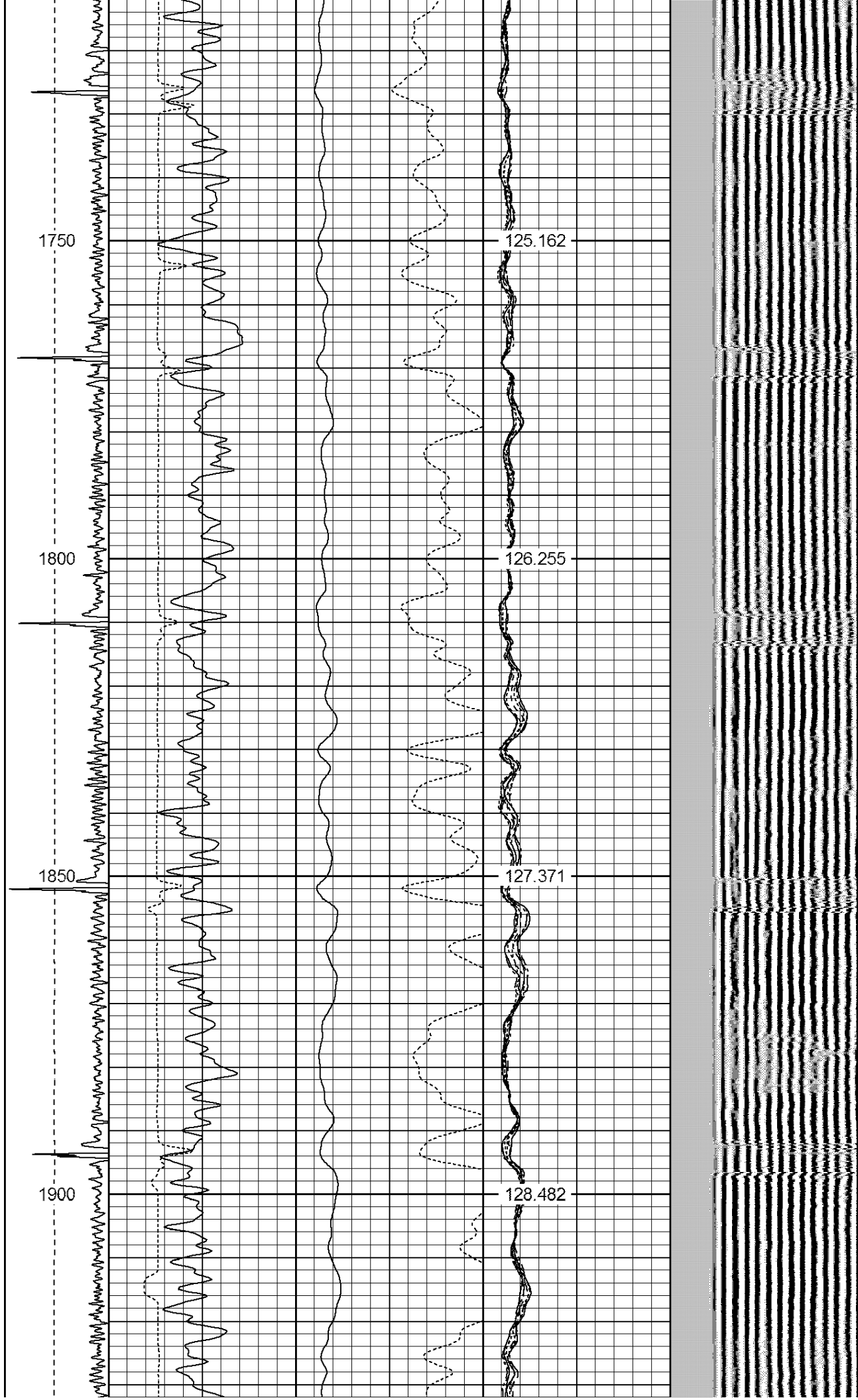


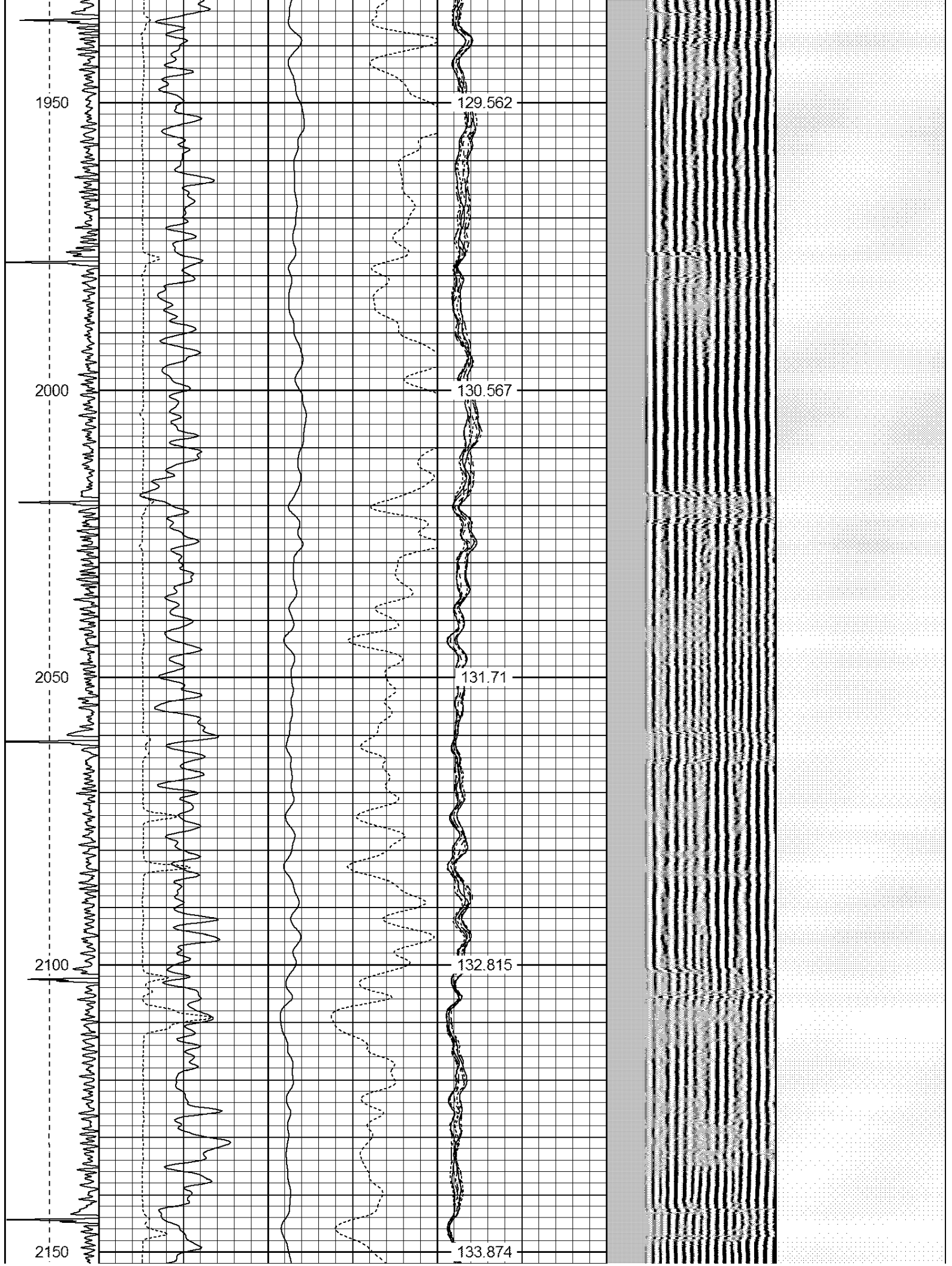


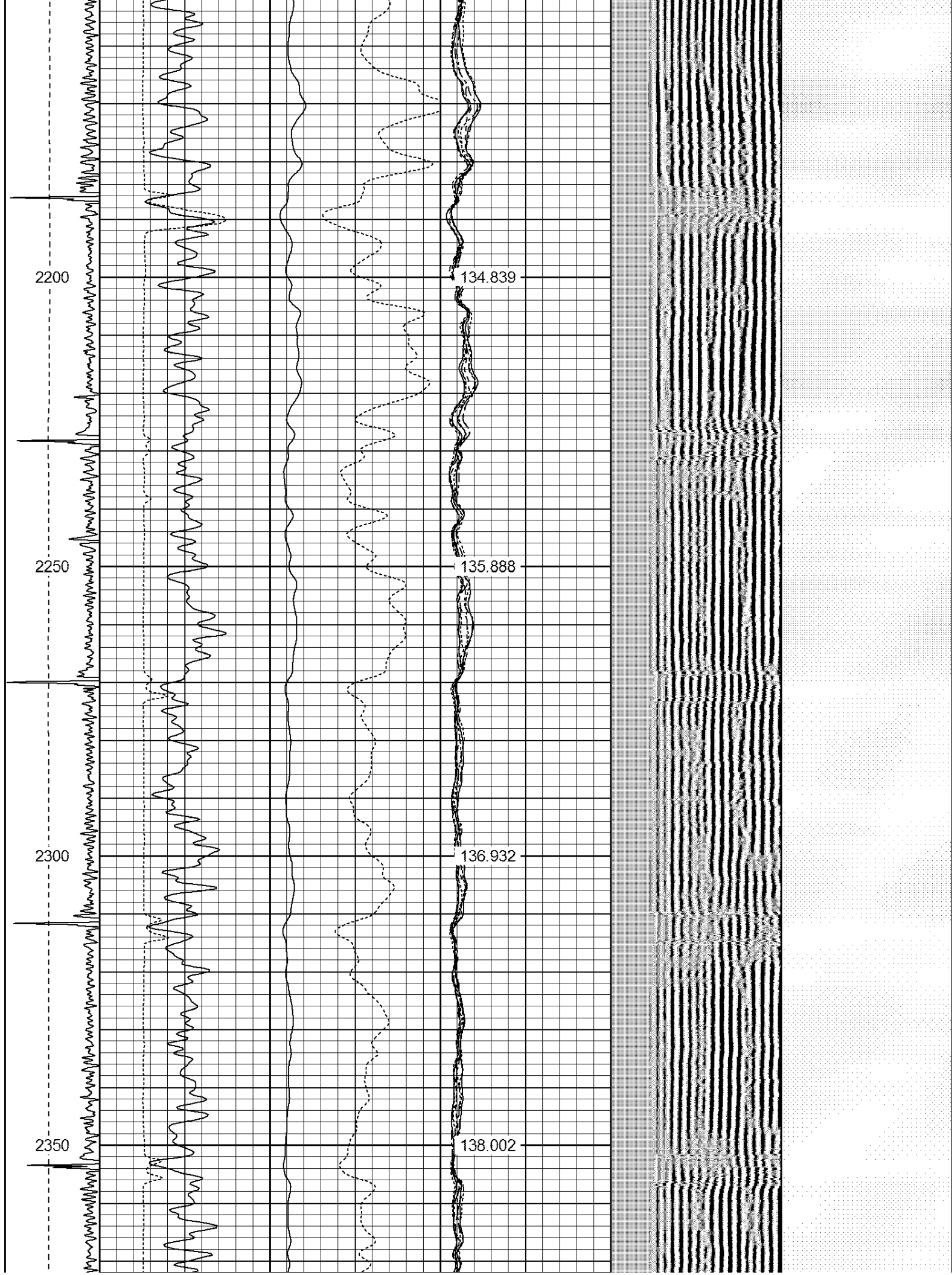


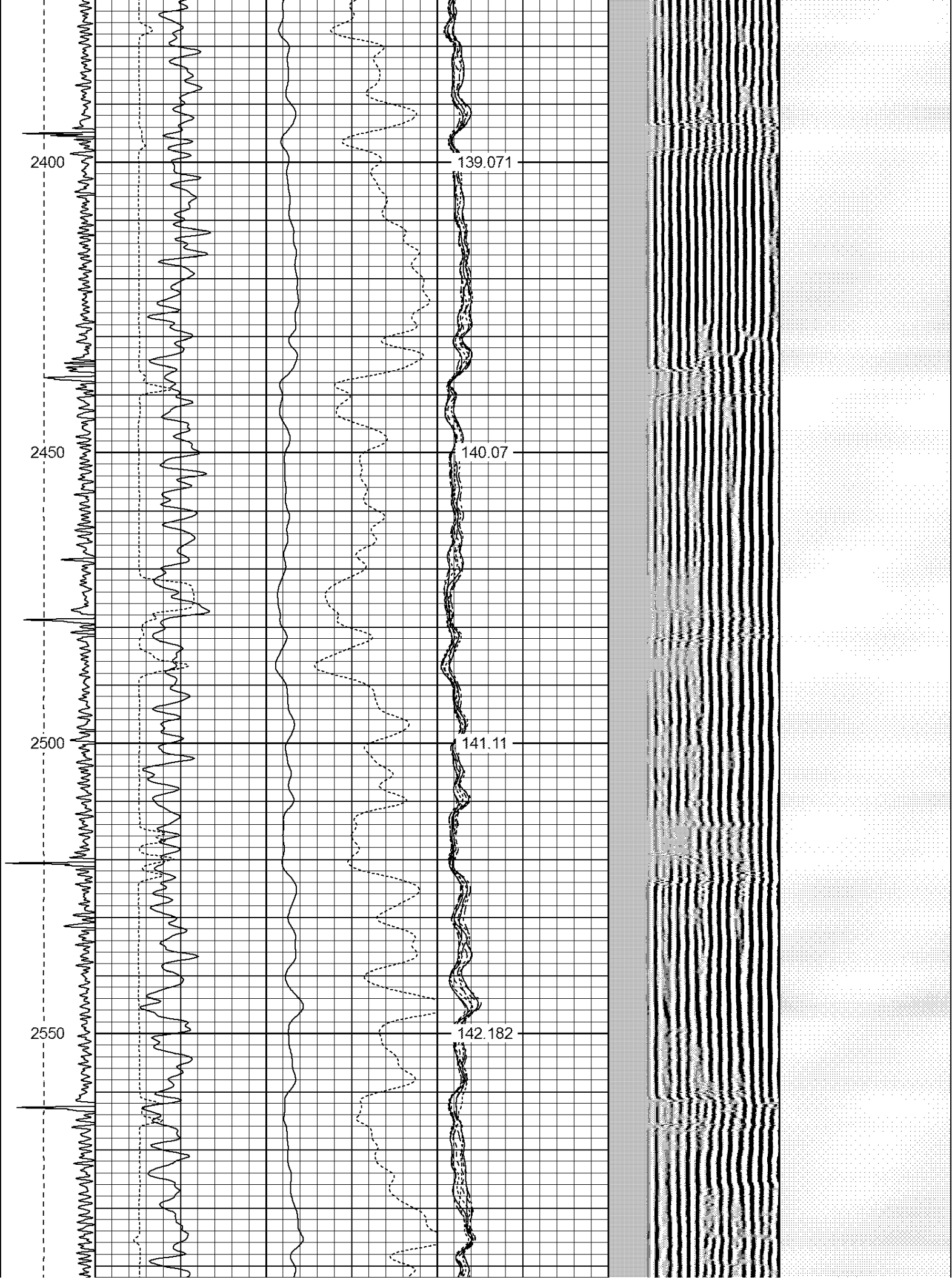


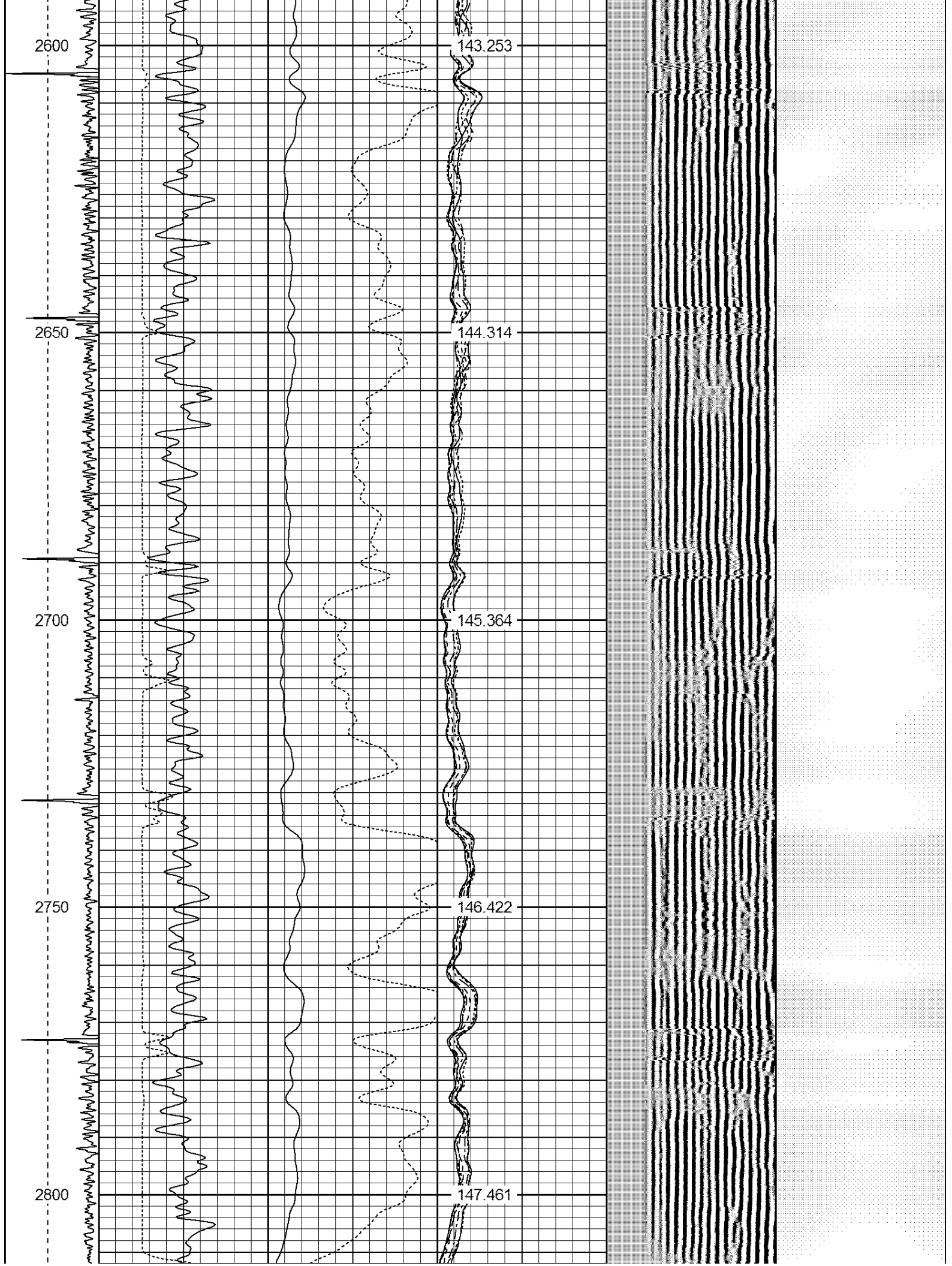


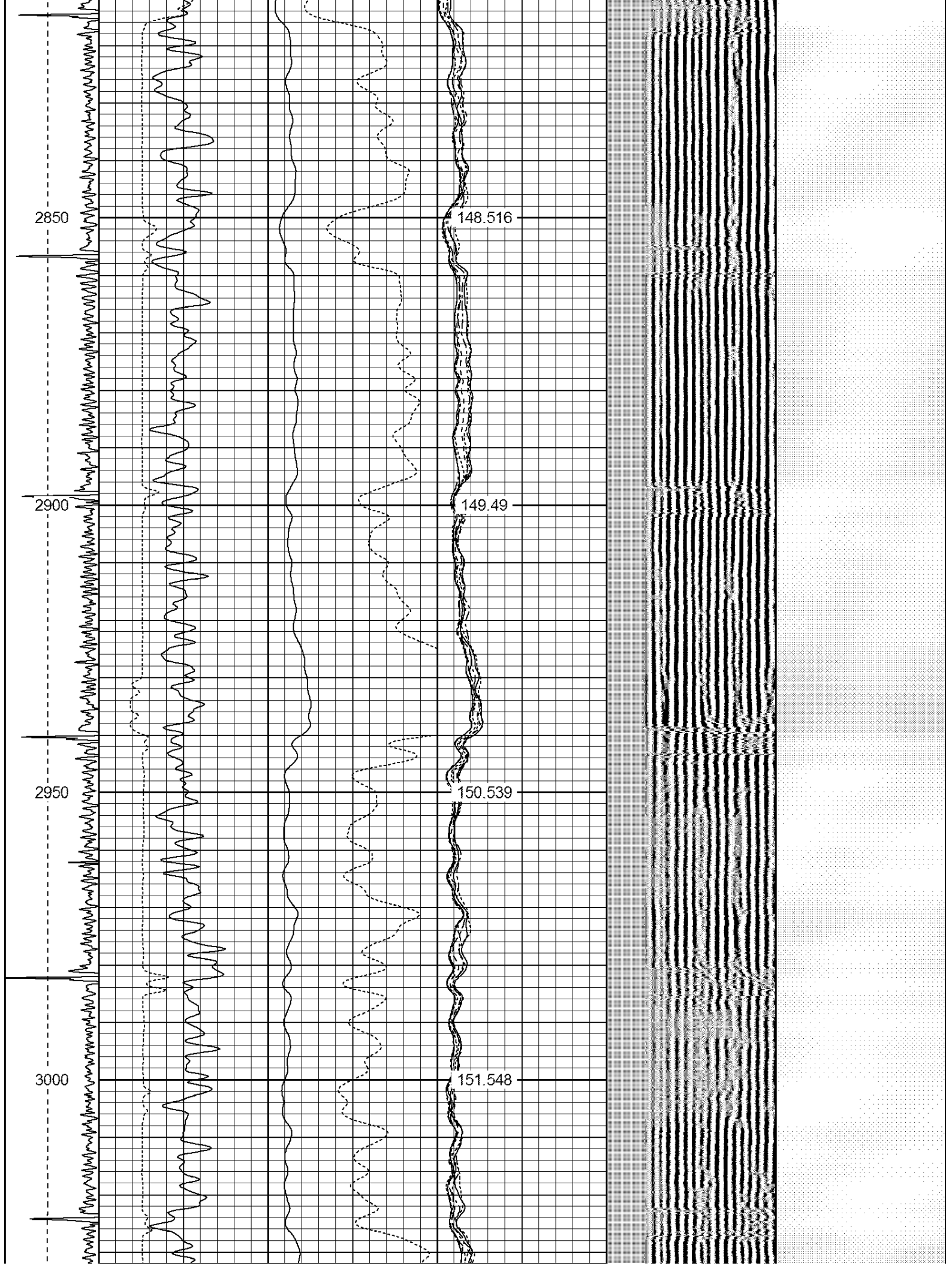


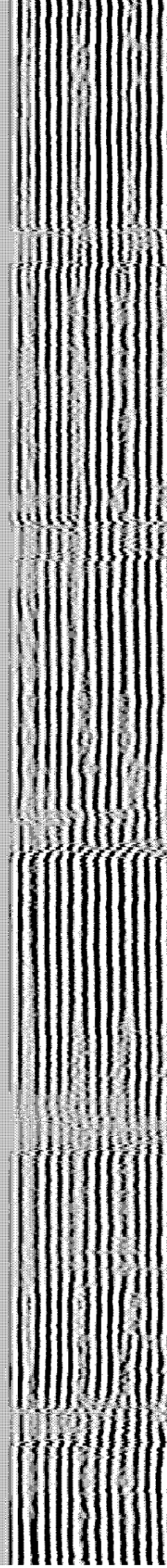
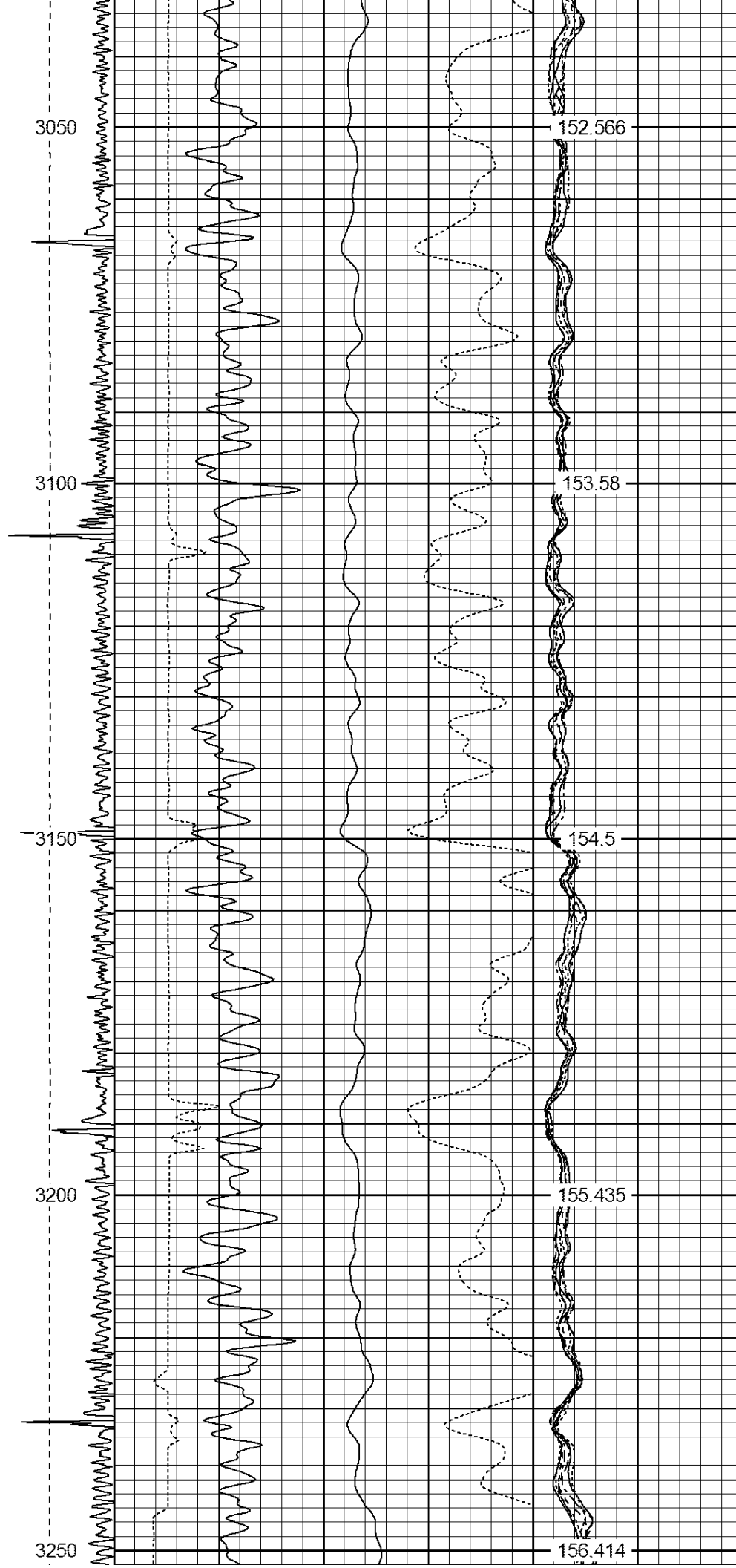




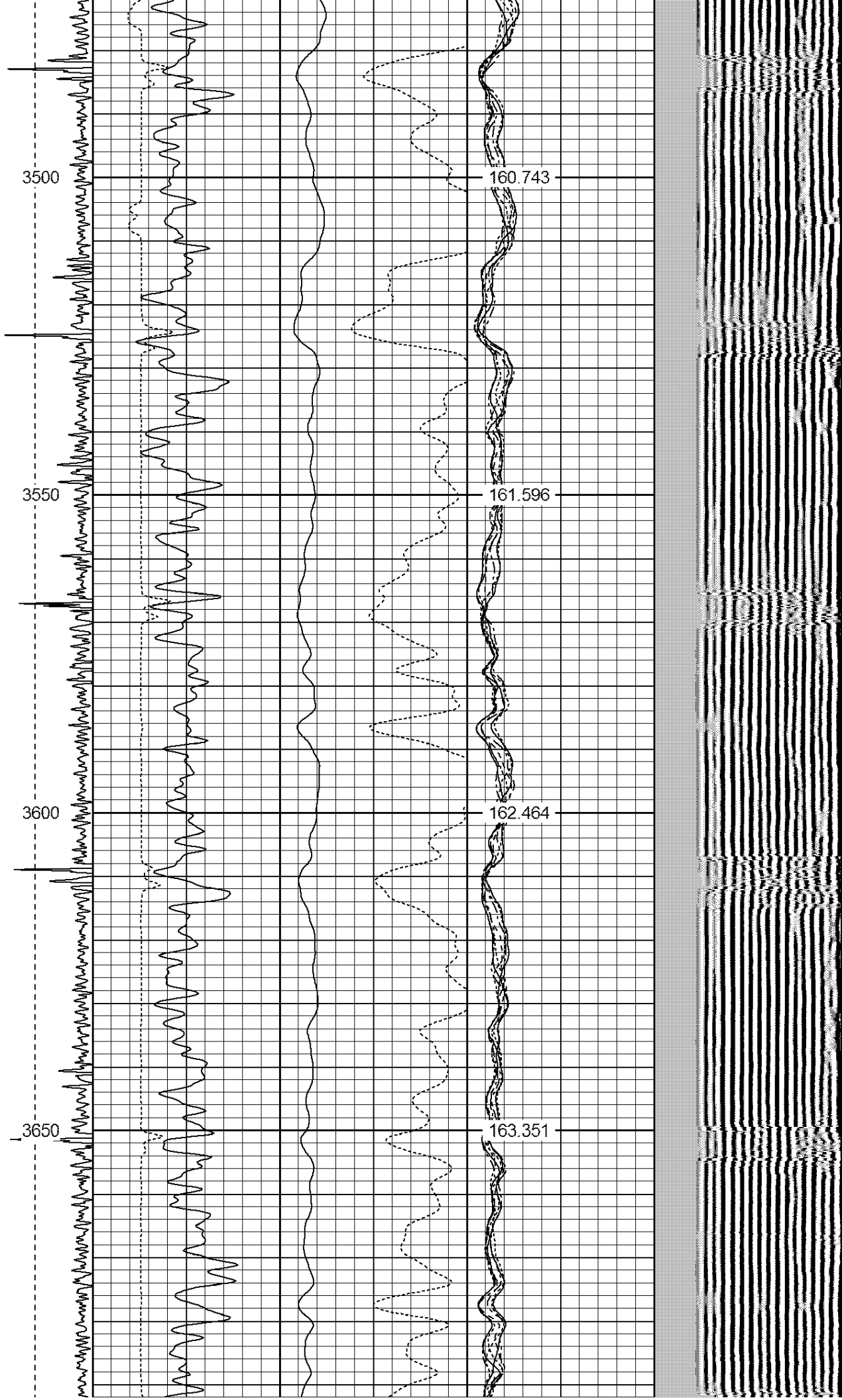


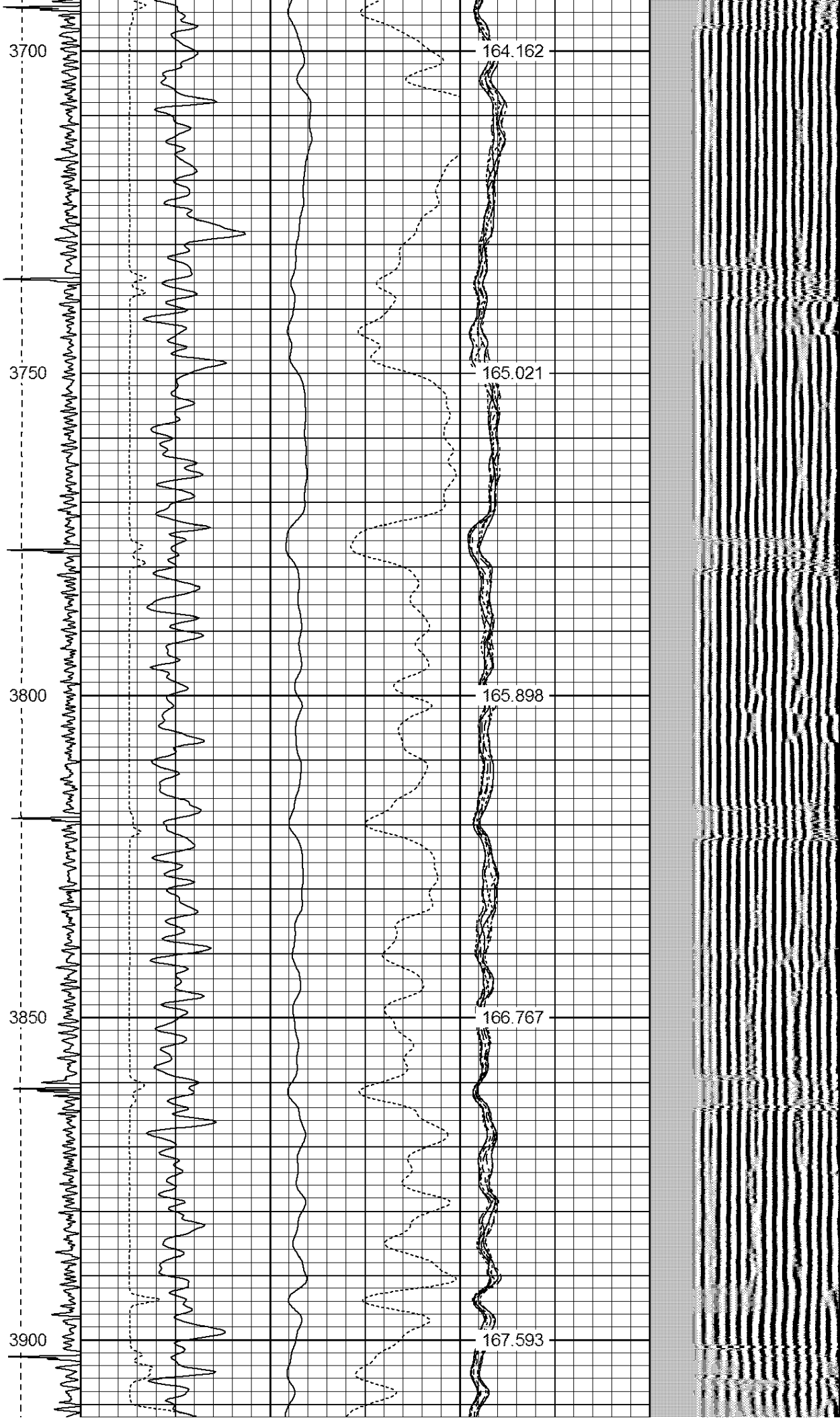


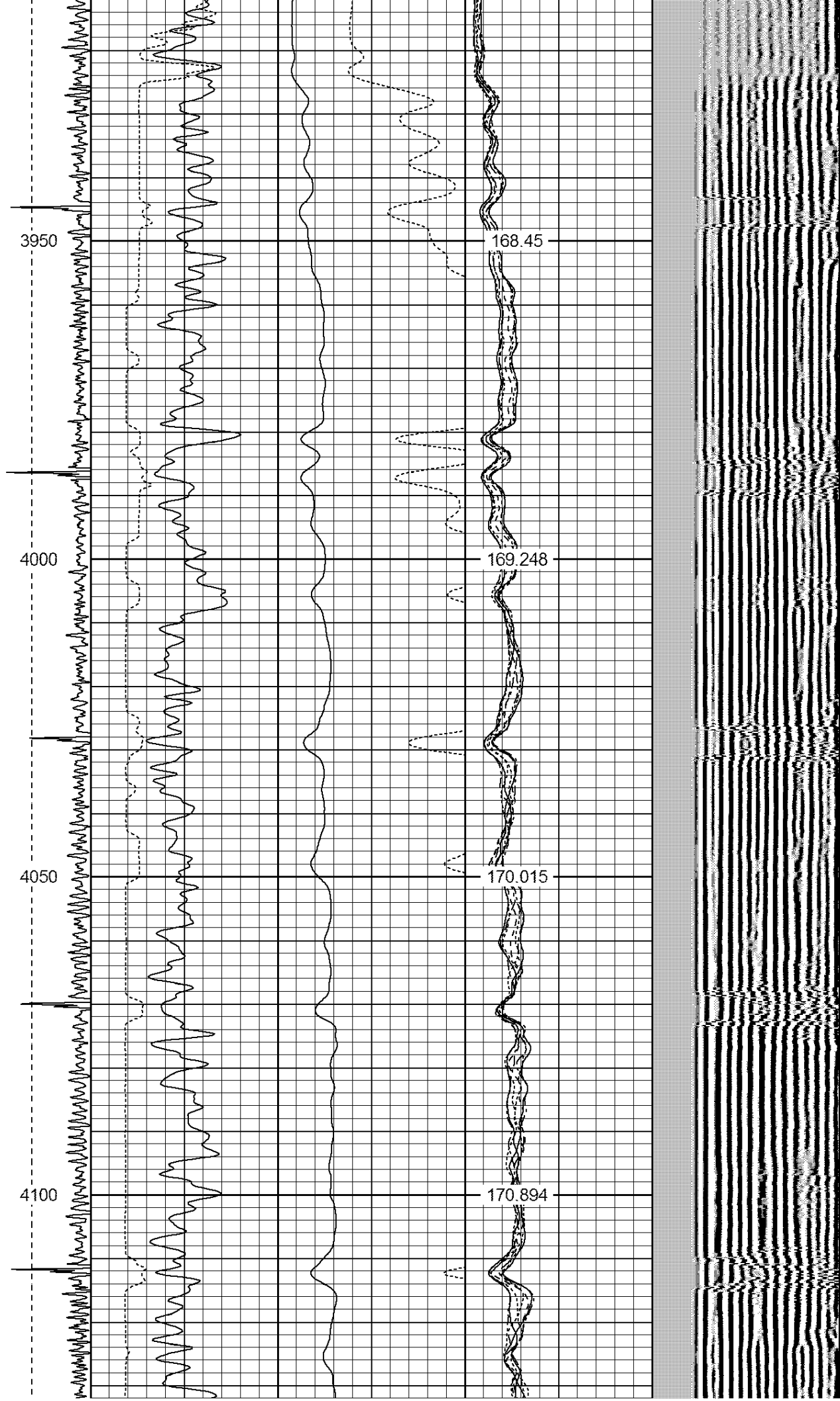


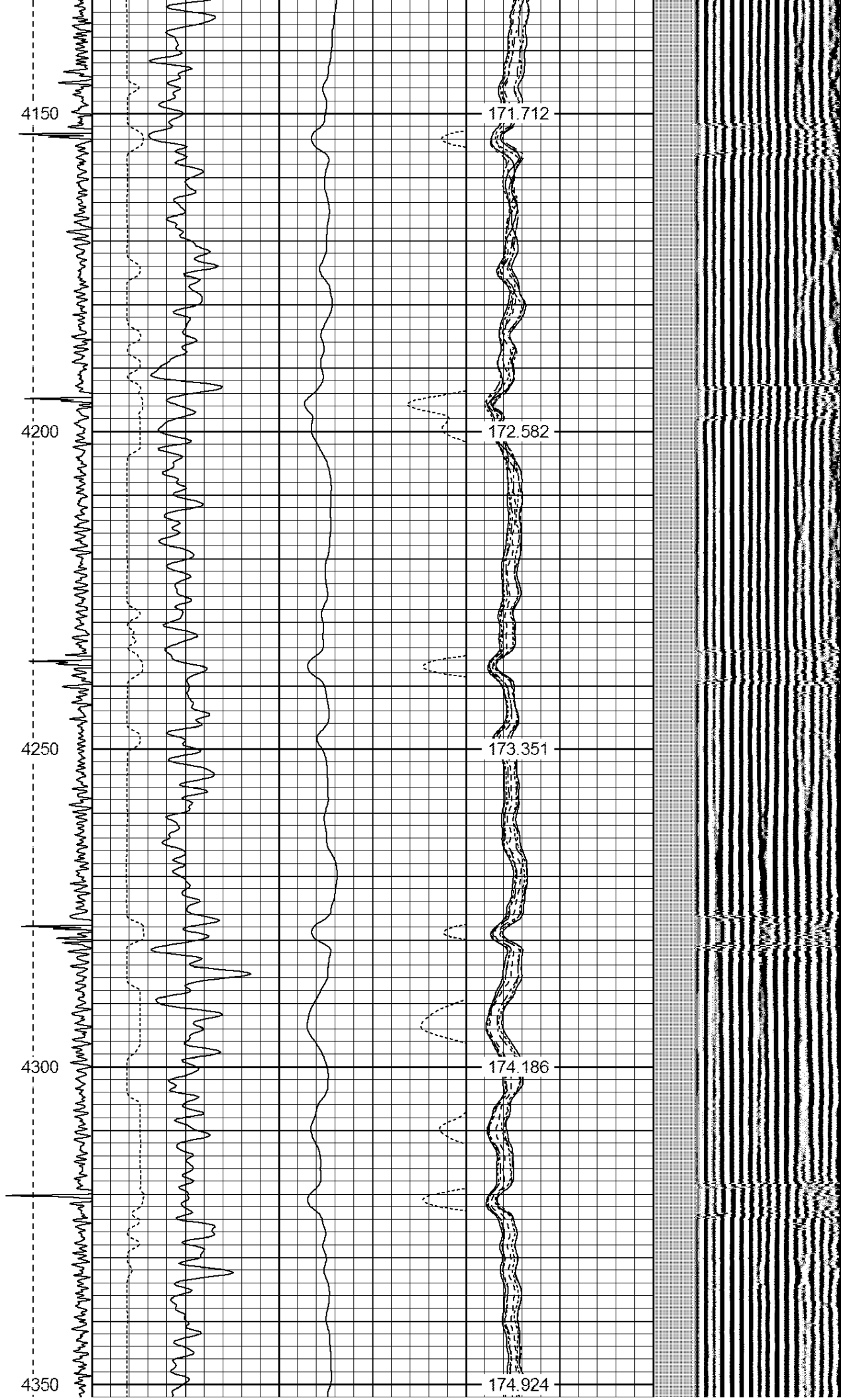


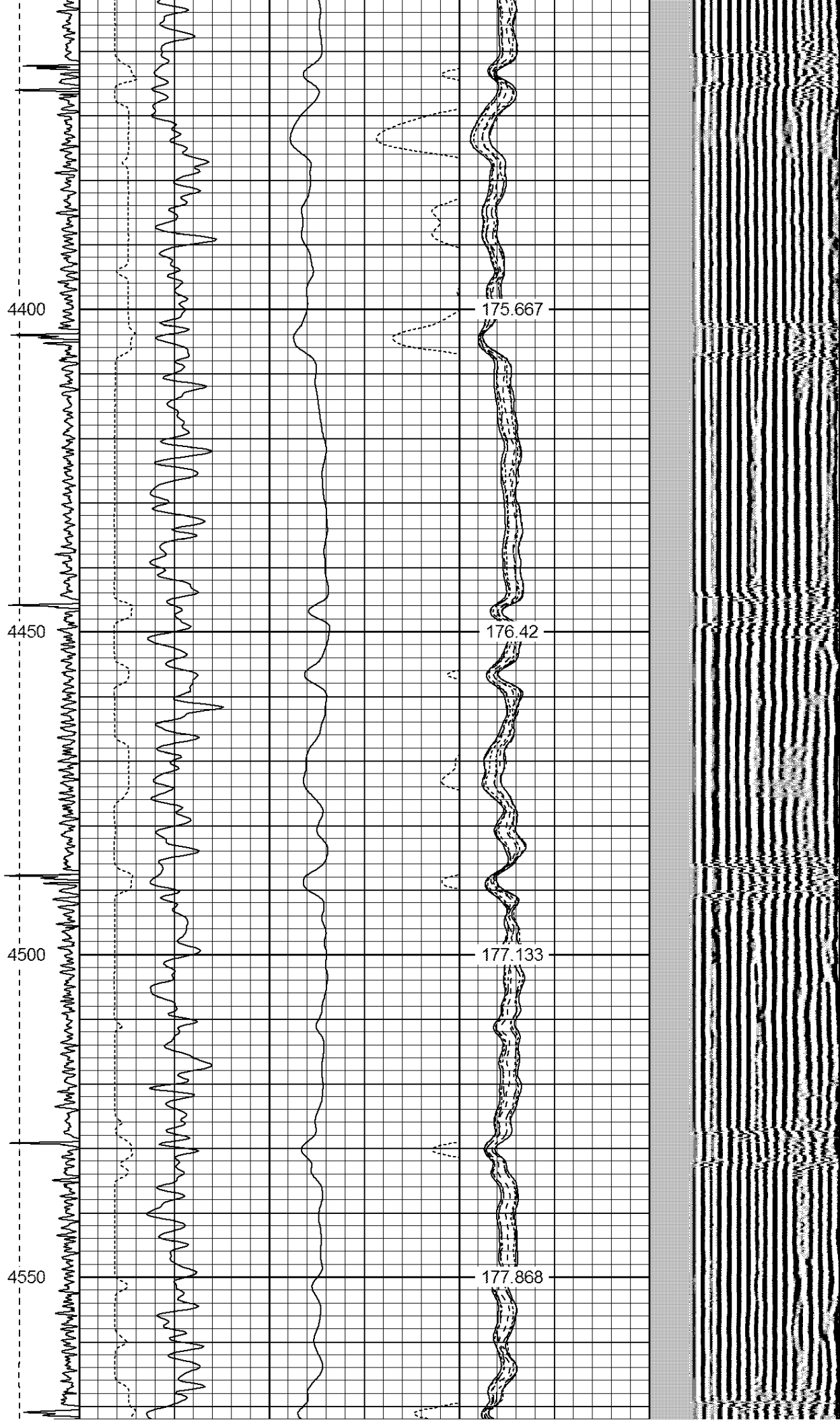












4600

178.514

4650

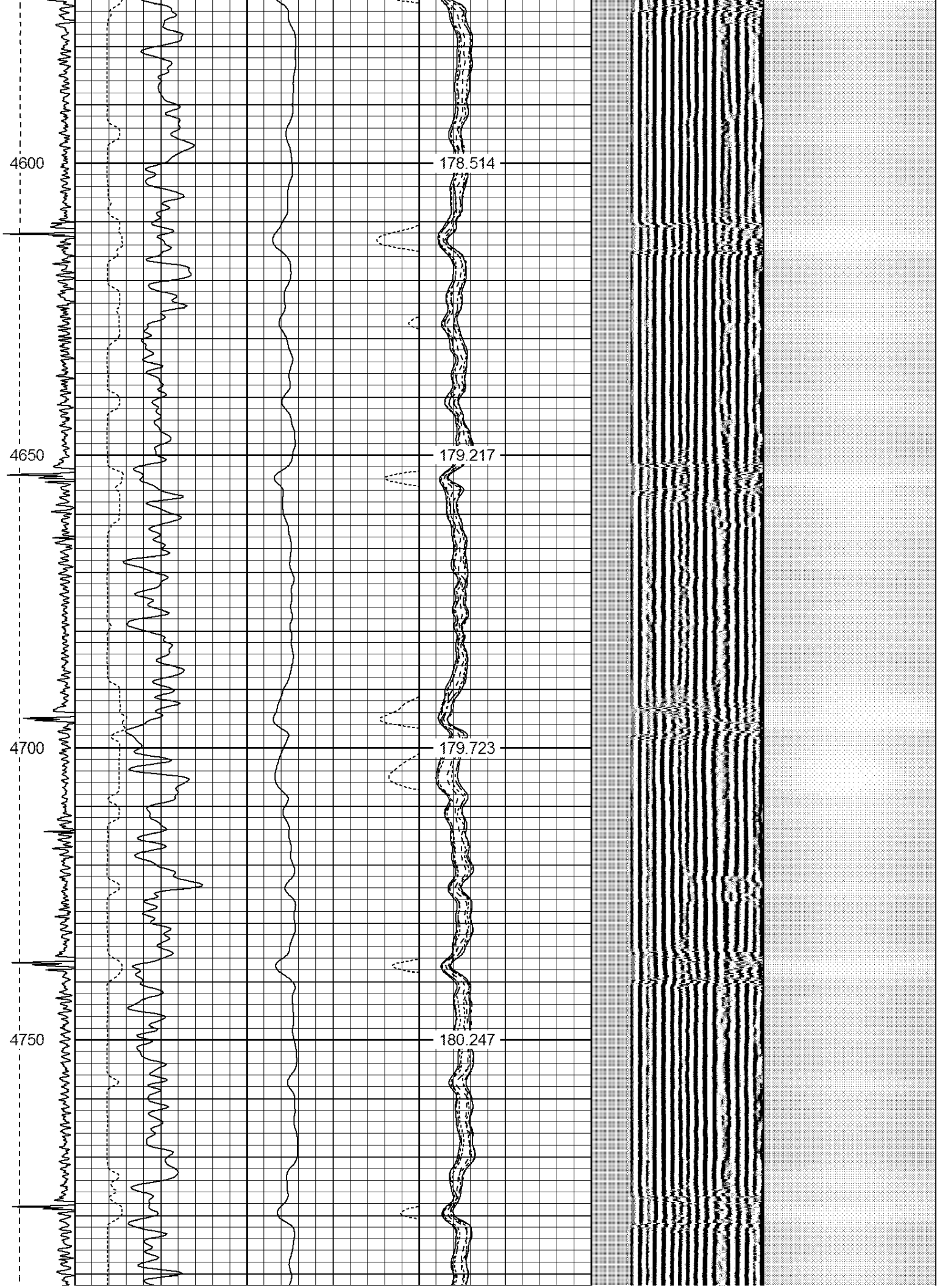
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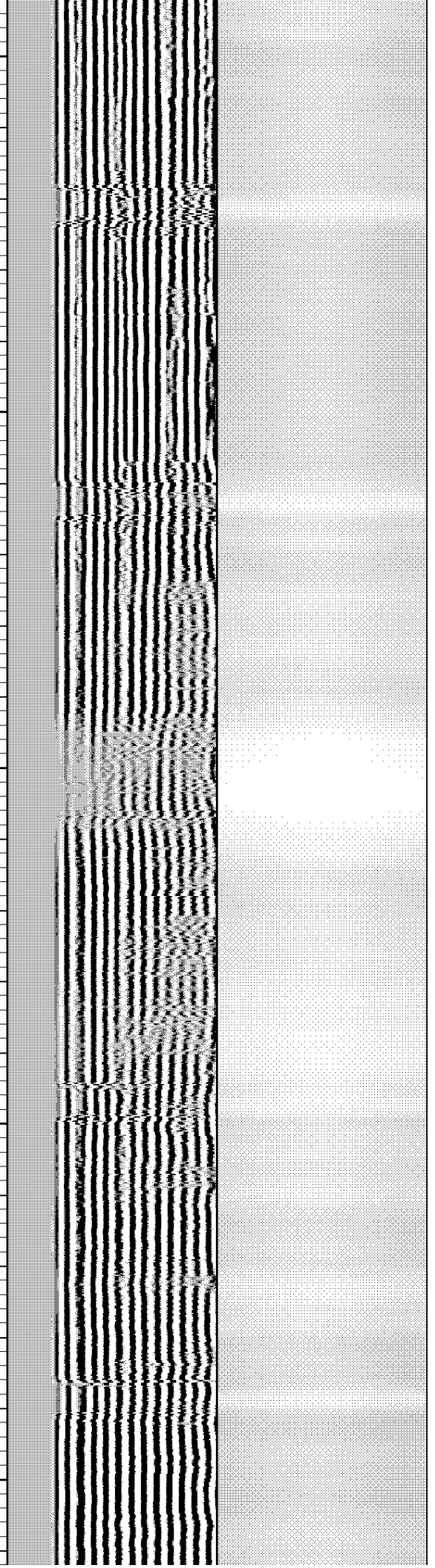
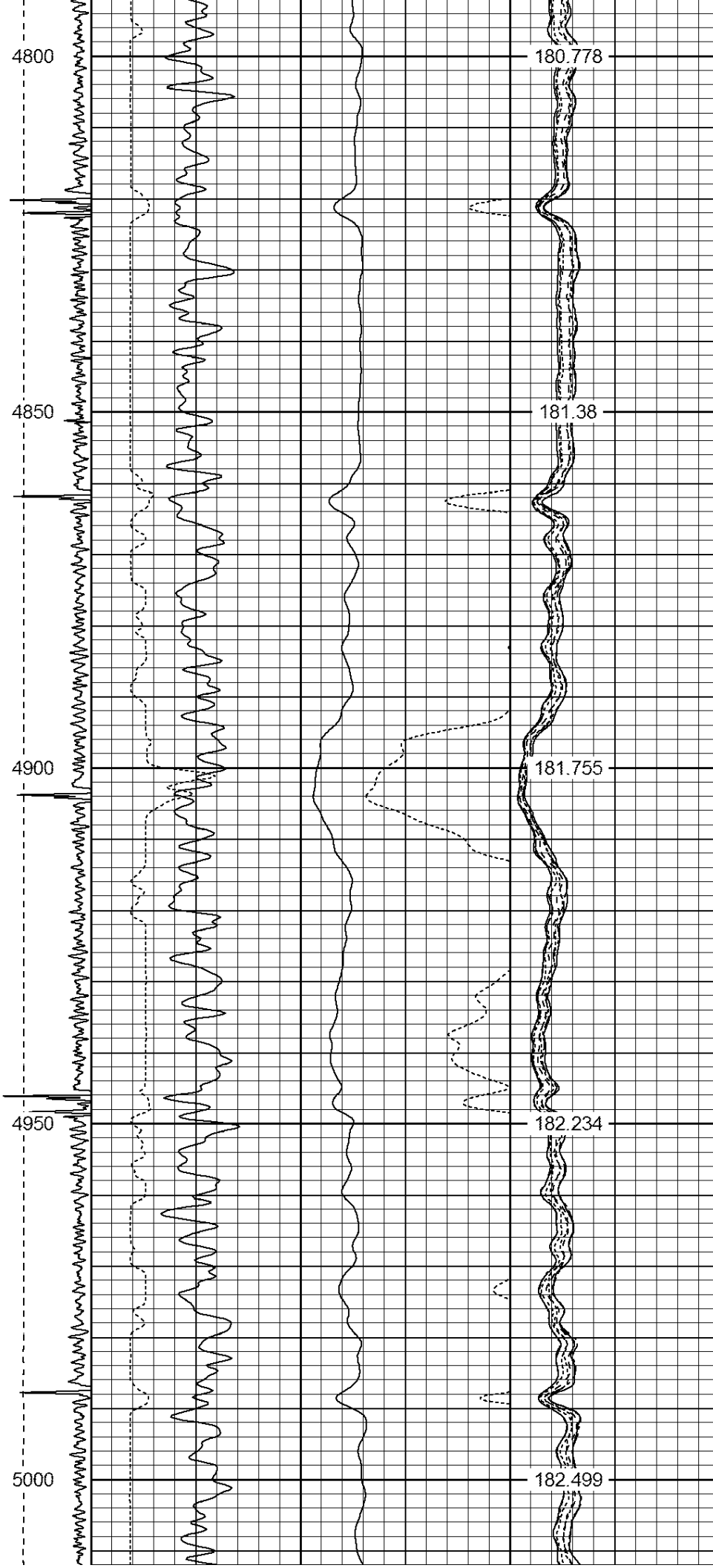
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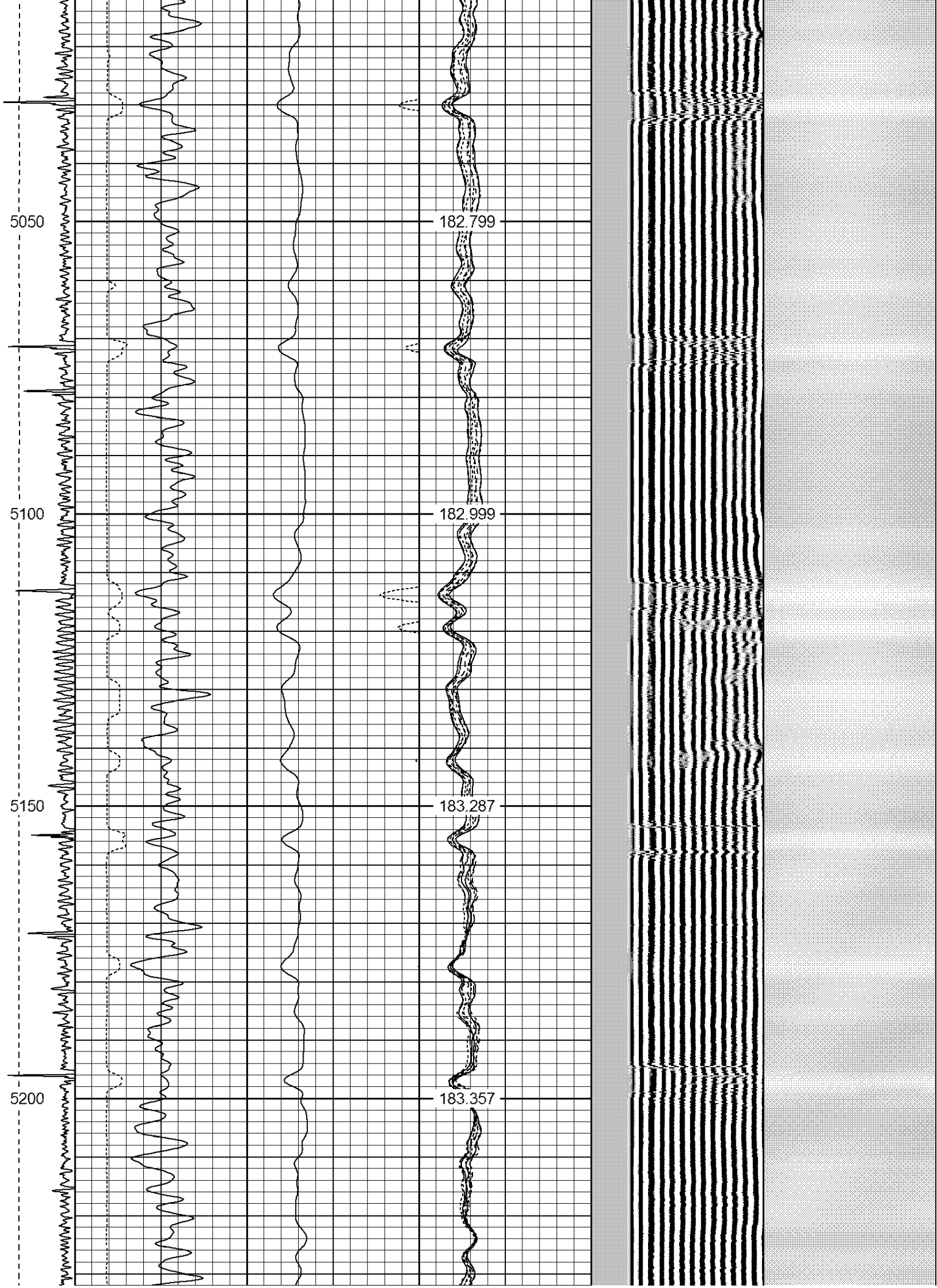
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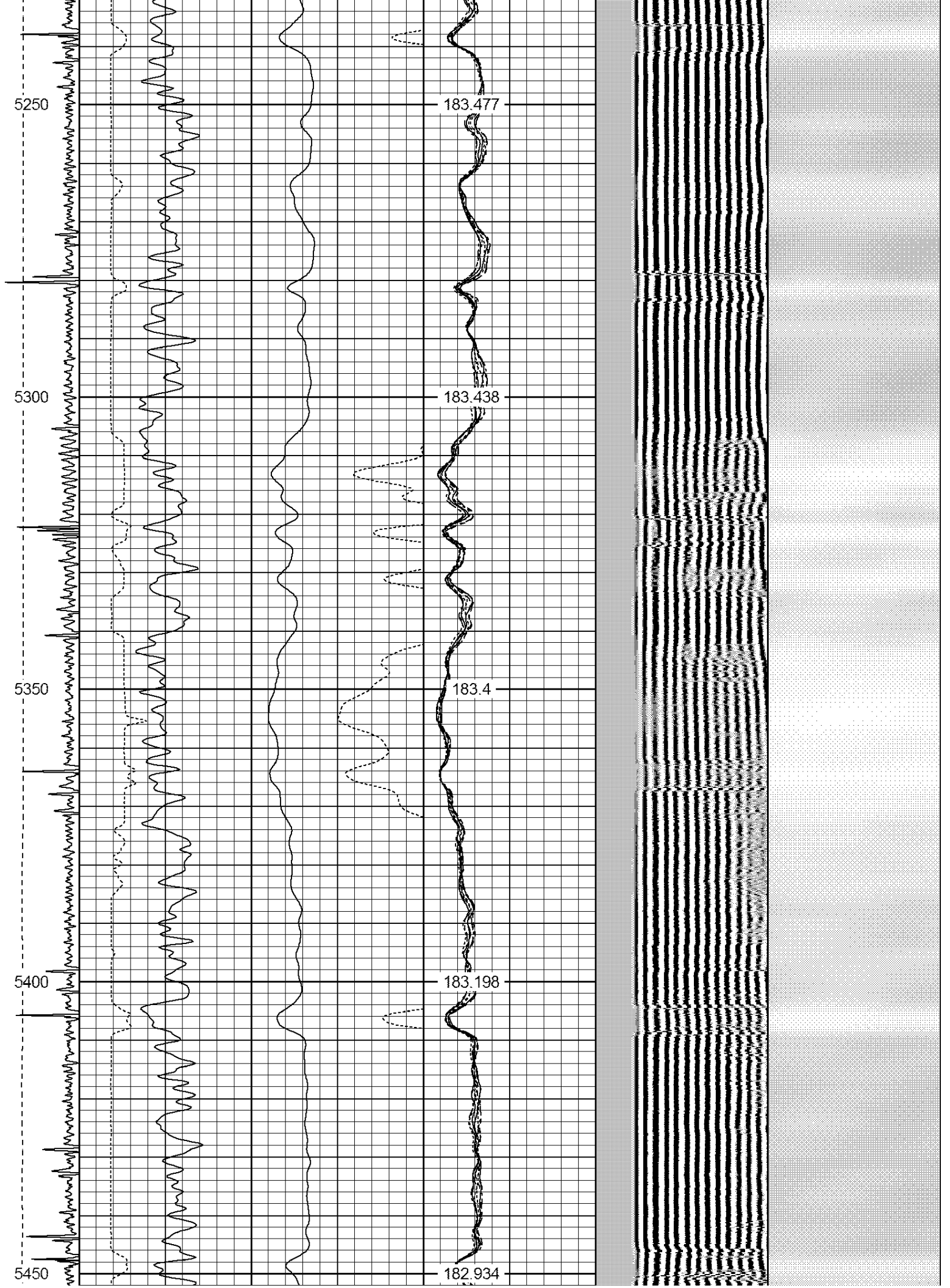
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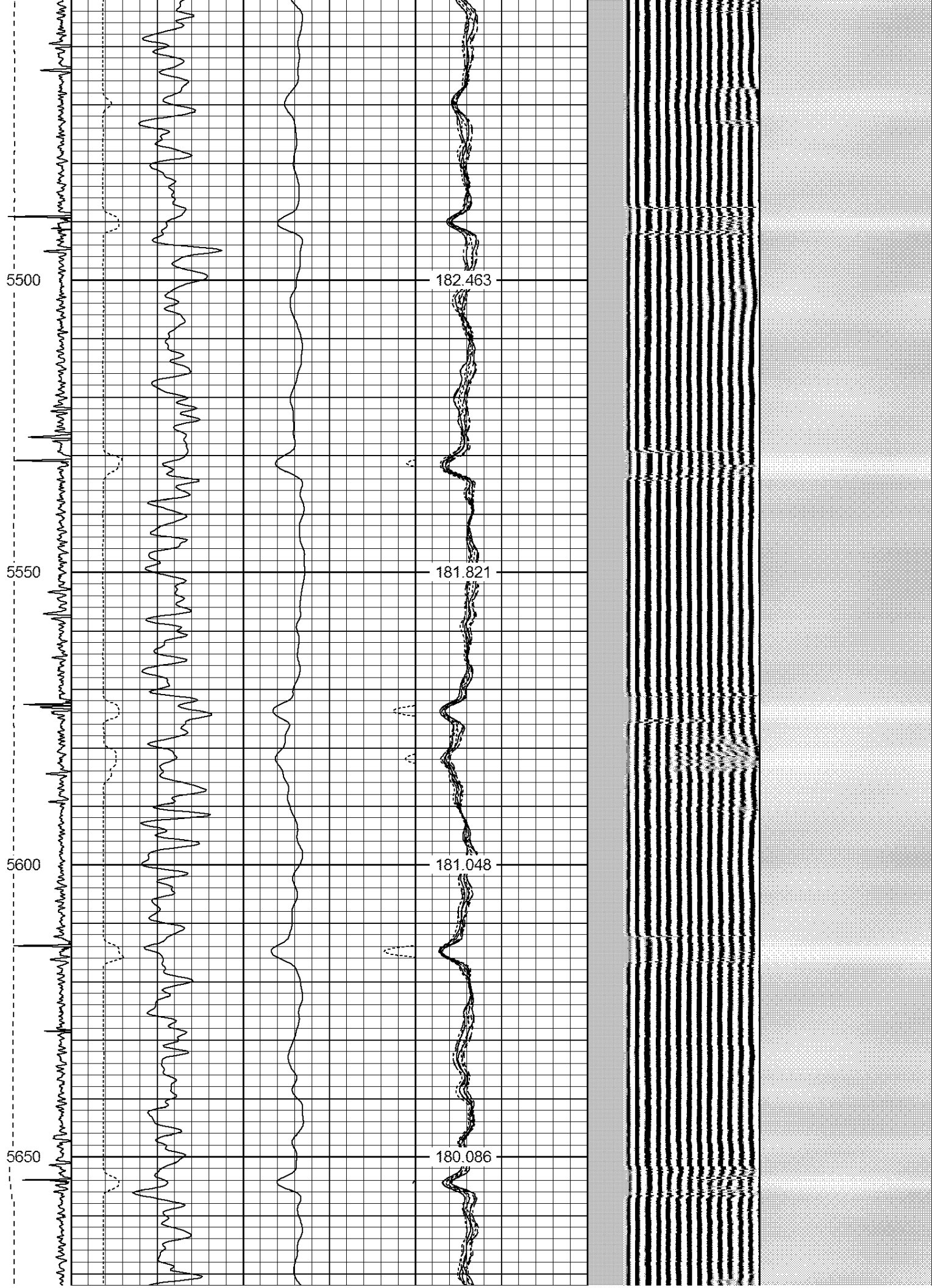
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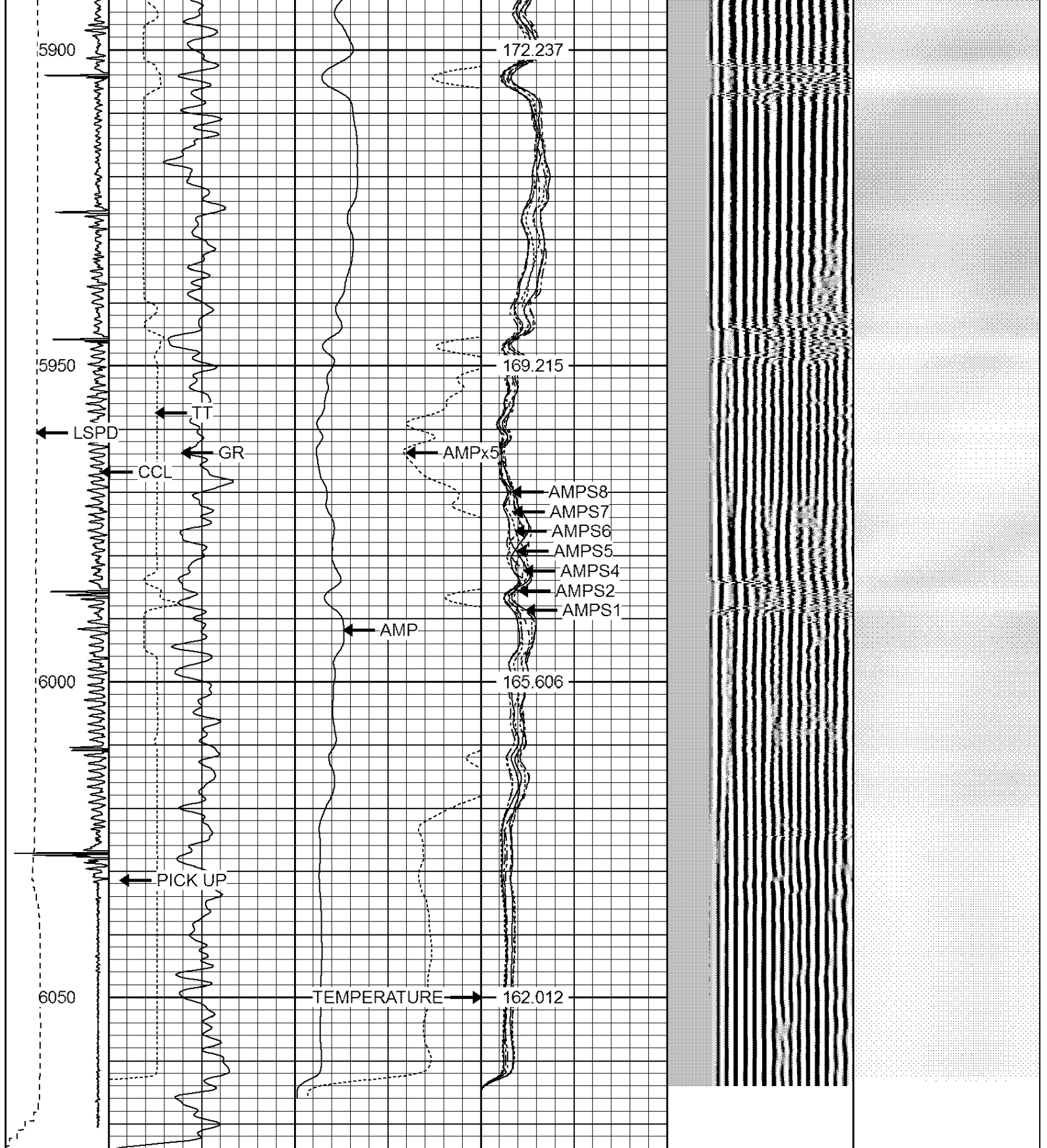






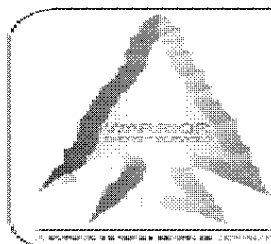






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0	250								0	AMPS5	100						
									0	AMPS6	100						
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									0	AMPS8	100						
									IntTemp								

(degF)



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ENERGY SERVICES

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