

**WARRIOR**  
ENERGY SERVICES

**RADIAL CEMENT BOND**  
**GAMMA RAY**  
**CCL**

Company GREAT WESTERN OIL & GAS  
Well POSTLE IC 11-259HC  
Field WATTENBERG  
County WELD State CO

Location: API # : 05-123-39253  
LAT: 40.243692 LONG:-104.978272  
SW/NW  
SEC 11 TWP 3N RGE 68W  
Permanent Datum GL Elevation 4977'  
Log Measured From KB 16'  
Drilling Measured From KB  
Other Services  
KB. 4993'  
D.F. 4992'  
G.L. 4977'

Date

11-12-2014

Run Number

ONE

Depth Driller

12370'

Depth Logger

7726'

Bottom Logged Interval

7726'

Top Log Interval

SURFACE

Open Hole Size

7.875

Type Fluid

WATER

Density / Viscosity

1.0

Max. Recorded Temp.

234 DEG F

Estimated Cement Top

75'

Time Well Ready

N/A

Time Logger on Bottom

N/A

Equipment Number

4310

Location

GREELEY

Recorded By

N. BREHMER

Witnessed By

L. MAHONEY

Run Number

Bit

From

To

Size

Weight

From

To

Casing Record

Size

9.63

Wgt/Ft

36#

Top

SURFACE

Bottom

Surface String

7

23#

SURFACE

8024'

11.6#

7679'

12370'

Production String

4.5

11.6#

7679'

8024'

12370'

Liner

4.5

11.6#

7679'

8024'

12370'

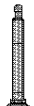
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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

RAN CBL TO VERIFY CEMENT BOND  
CORRELATED TO LINER TOP@7679'  
7' UP HOLE CORRECTION  
2500 PSI

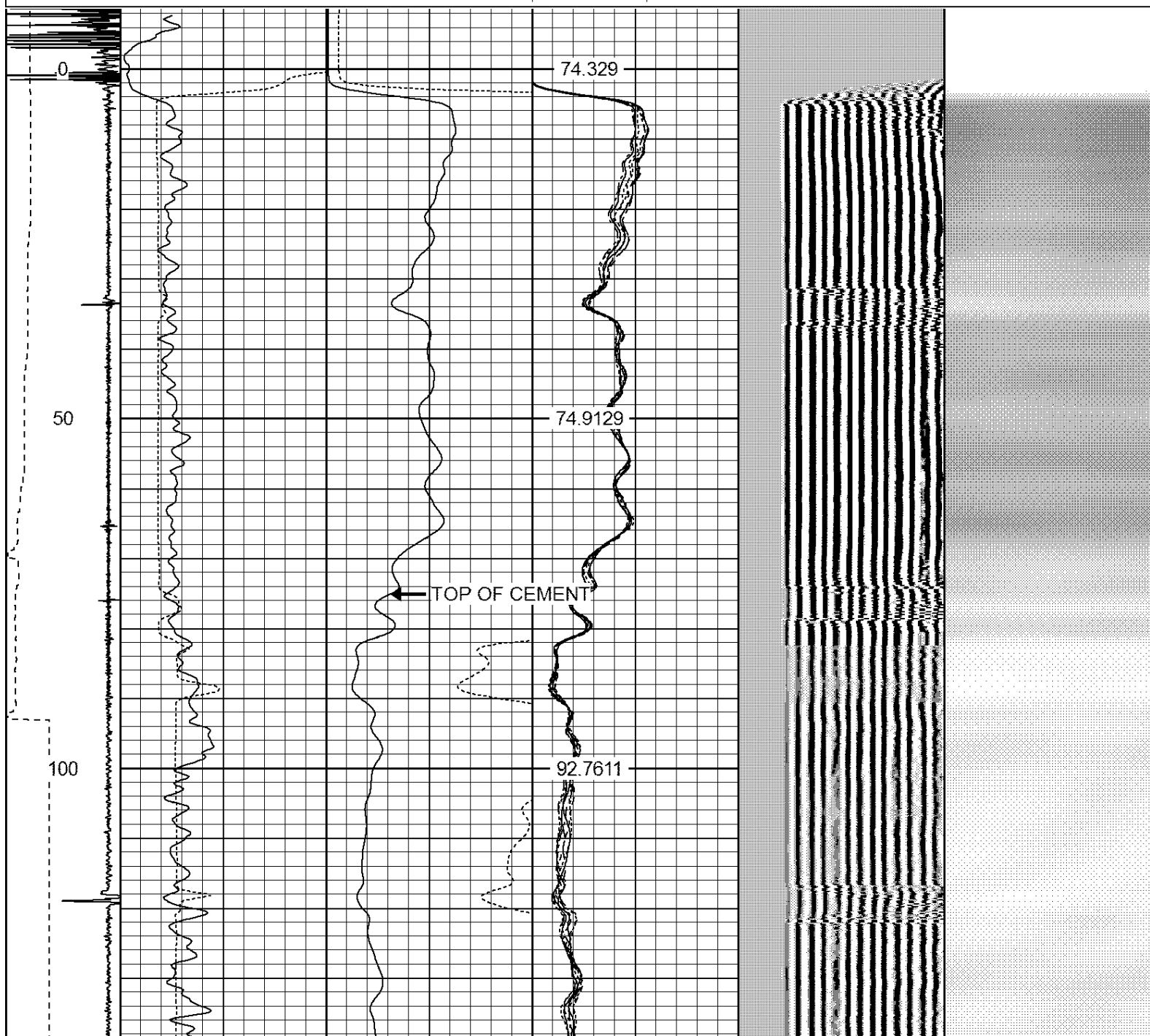
THANK YOU FOR USING WARRIOR !!!!!!!

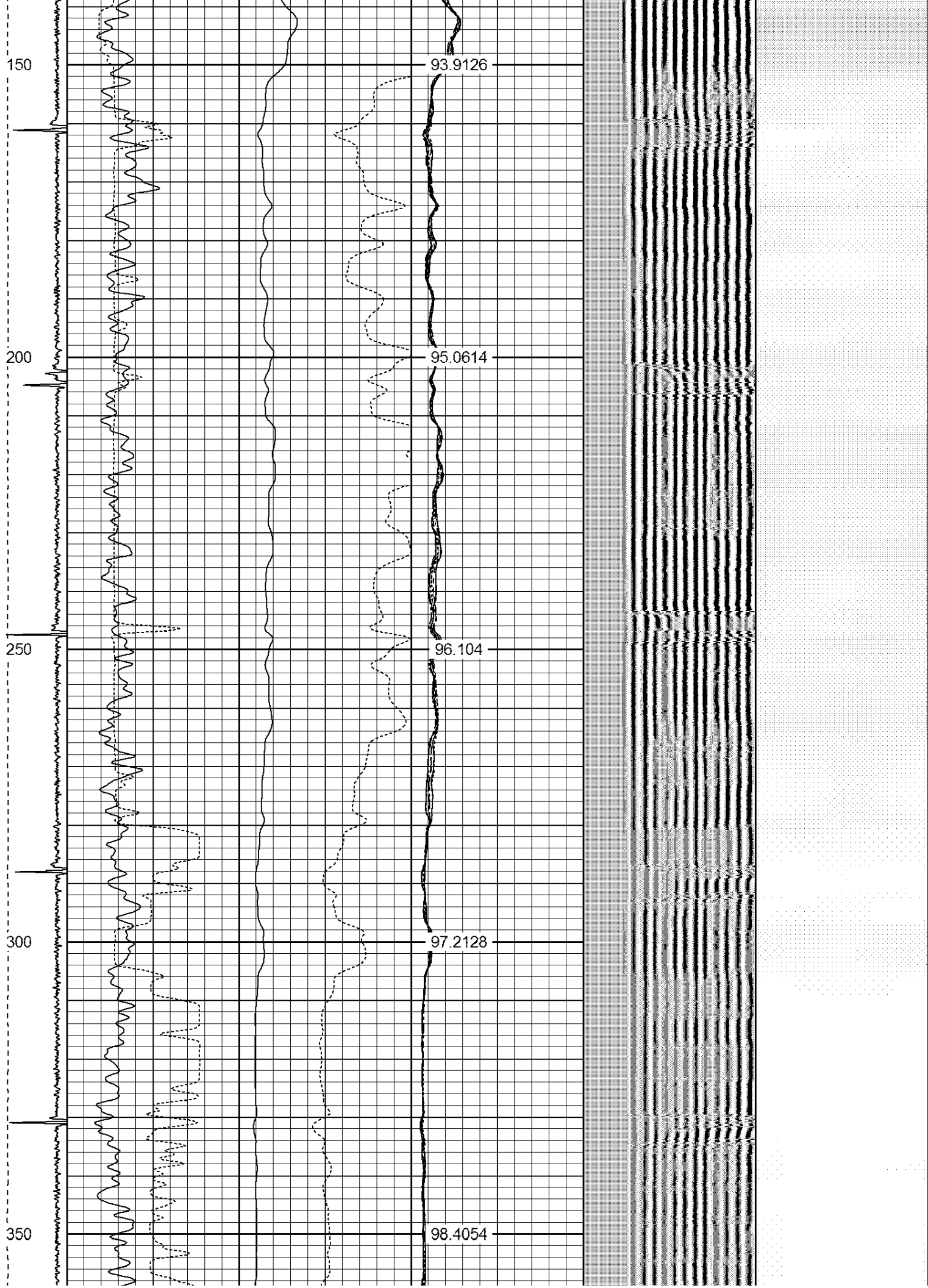
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			1_4	1.00	1.36	5.00

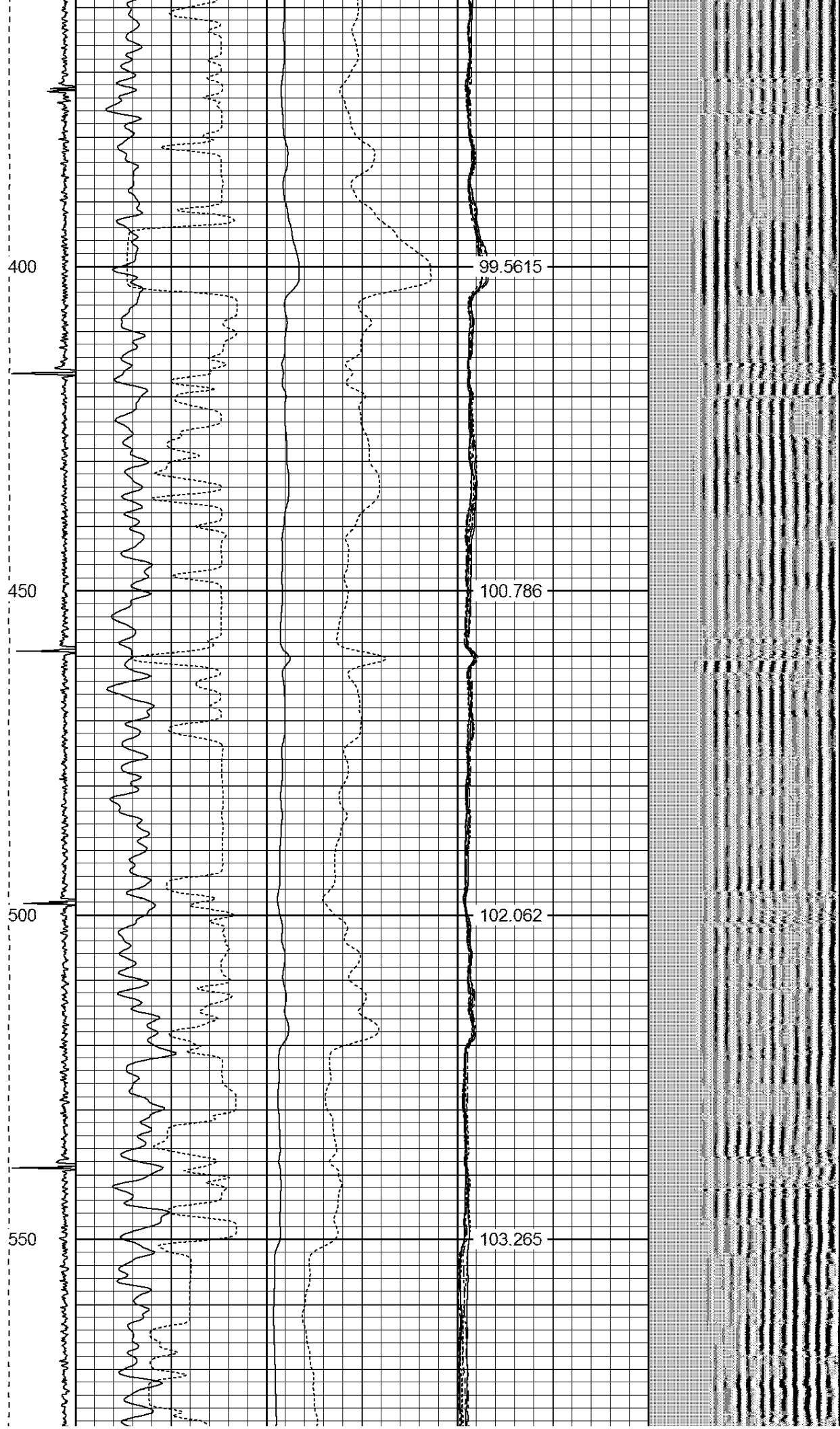
			PTS275	2.83	2.75	
HEADVOLT	16.13					
IntTemp	14.71					
WVF3FT	11.46		RBT-Probe (Base)	8.92	2.75	90.00
WVFCAL	11.46		Probe Radii Bond Tool with Digital Telemetry			
WVFS1	11.46					
WVFS2	11.46					
WVFS3	11.46					
WVFS4	11.46					
WVFS5	11.46					
WVFS6	11.46					
WVFS7	11.46					
WVFS8	11.46					
WVF5FT	10.46					
CNLSC	6.00		CNT-Probe_B (275)	2.88	2.75	40.00
CNSSC	5.17		6 bow centralizer			
CCL	3.64					
			GR-Probe (275)	4.33	2.75	30.00
			Probe 2.75"			
GR	0.90					
Dataset: postle ic 11-259hc.db: field/well/run1/pass3 Total Length: 19.96 ft Total Weight: 165.00 lb O.D. 2.75 in						

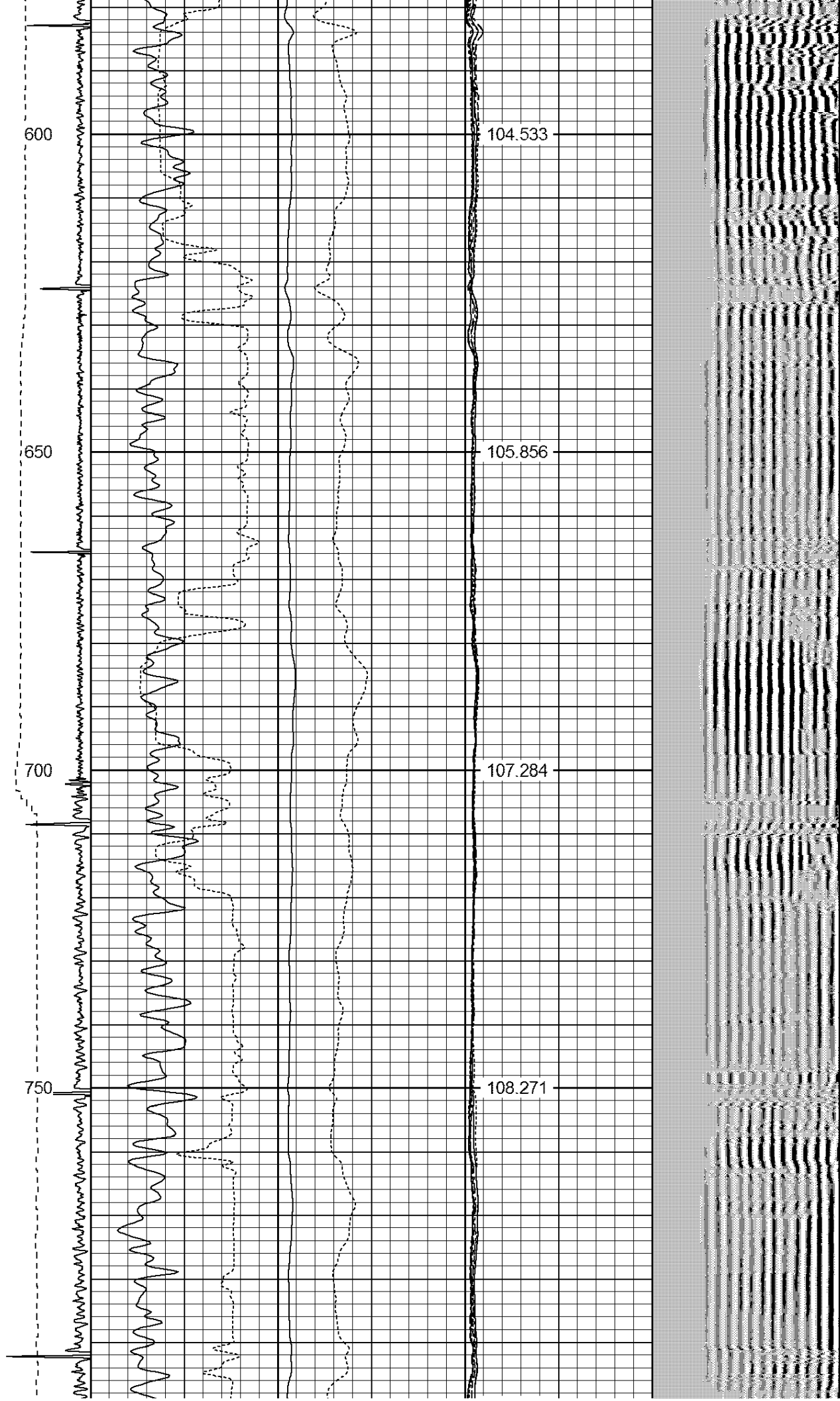
Database File: postle ic 11-259hc.db  
 Dataset Pathname: pass3  
 Presentation Format: ips\_rbt  
 Dataset Creation: Wed Nov 12 17:04:58 2014 by Log 7.0 B1  
 Charted by: Depth in Feet scaled 1:240

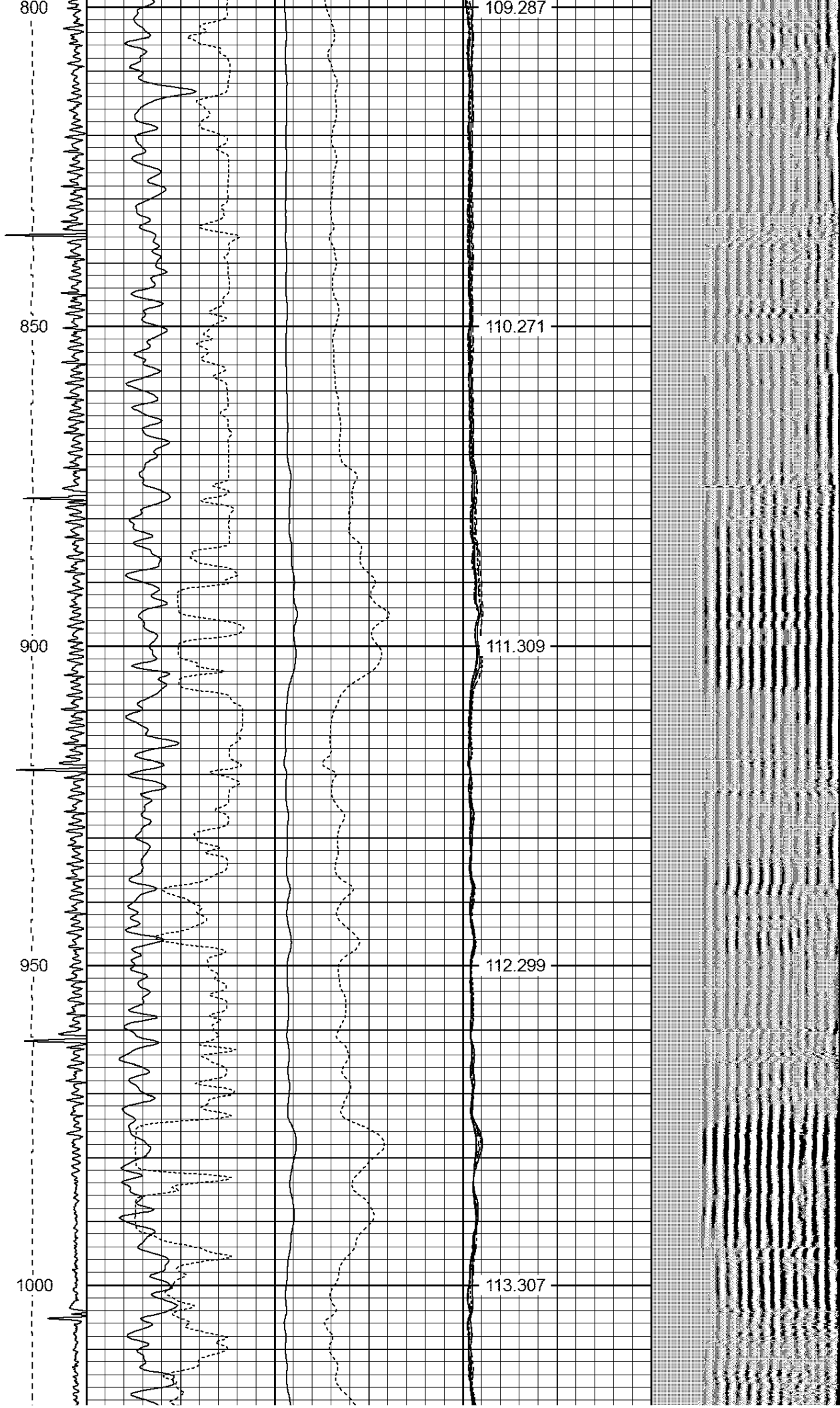
-9	CCL	1	200	TT (usec)	800	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200	1	Cement Map	8
LSPD			0	GR (GAPI)	200	0	AMPx5 (mV)	20	0	AMPS2	100				1		100
(ft/min)			200	GR (GAPI)	400				0	AMPS4	100						
0		250							0	AMPS5	100						
									0	AMPS6	100						
									0	AMPS7	100						
									0	AMPS8	100		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



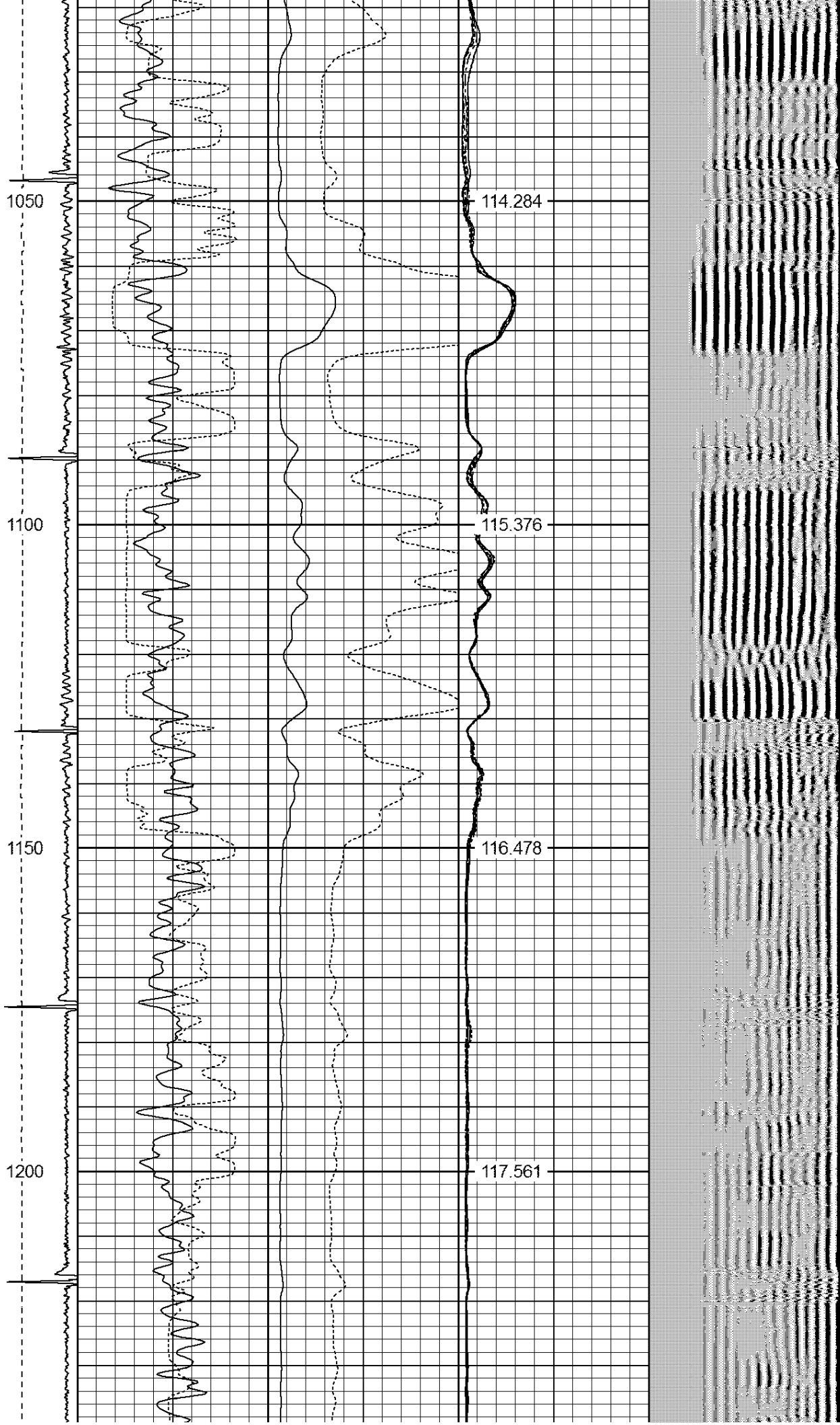




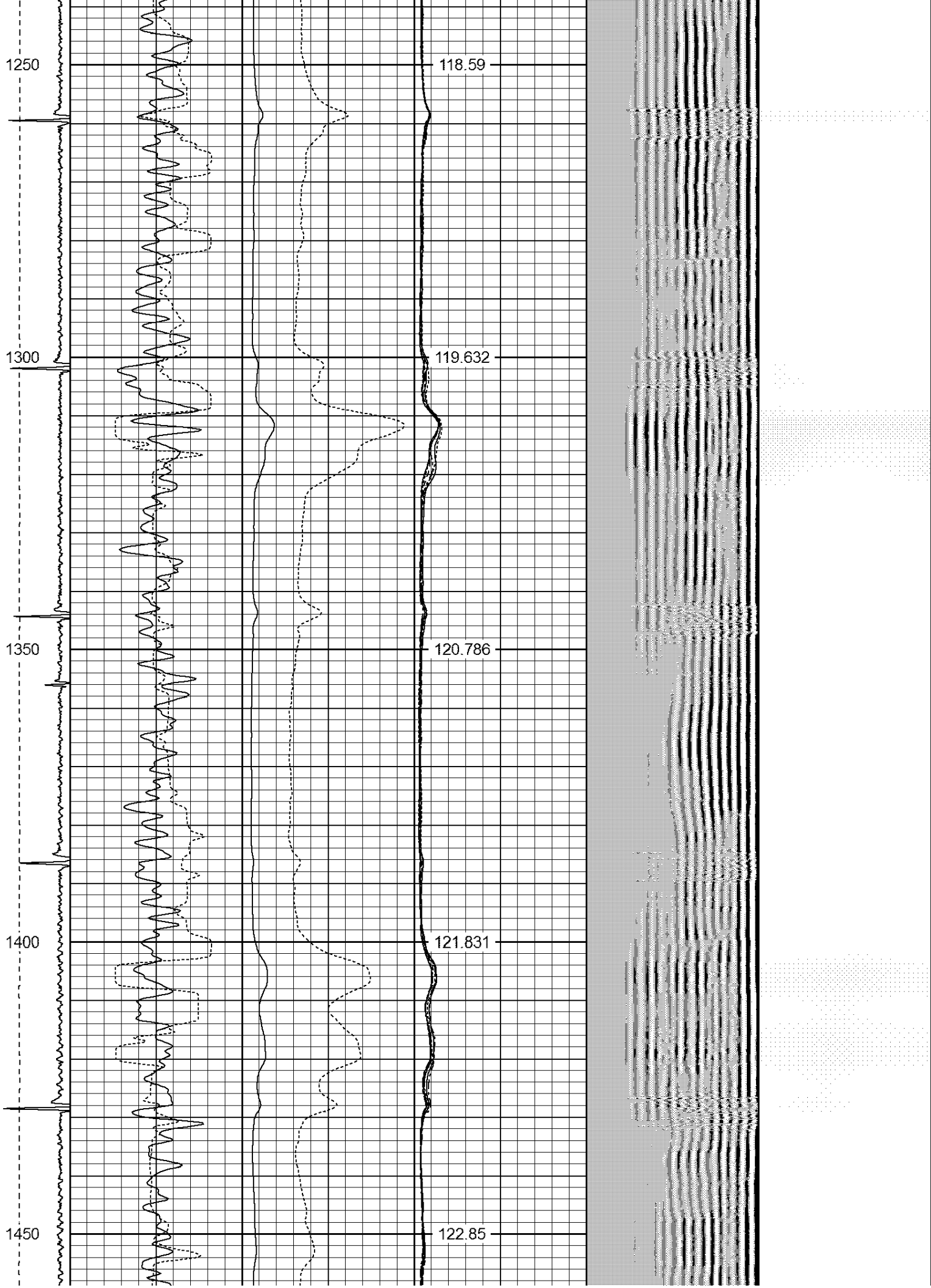


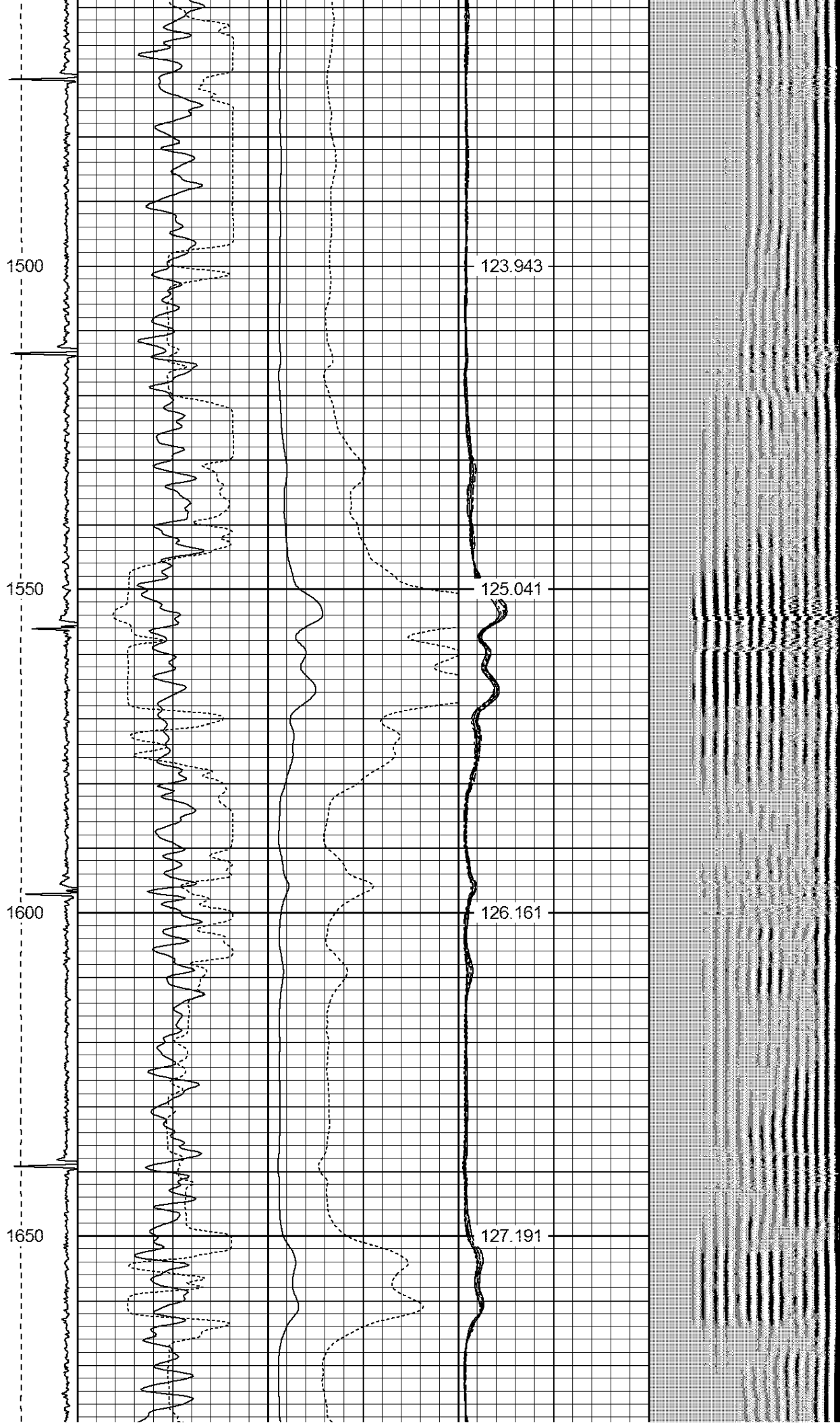


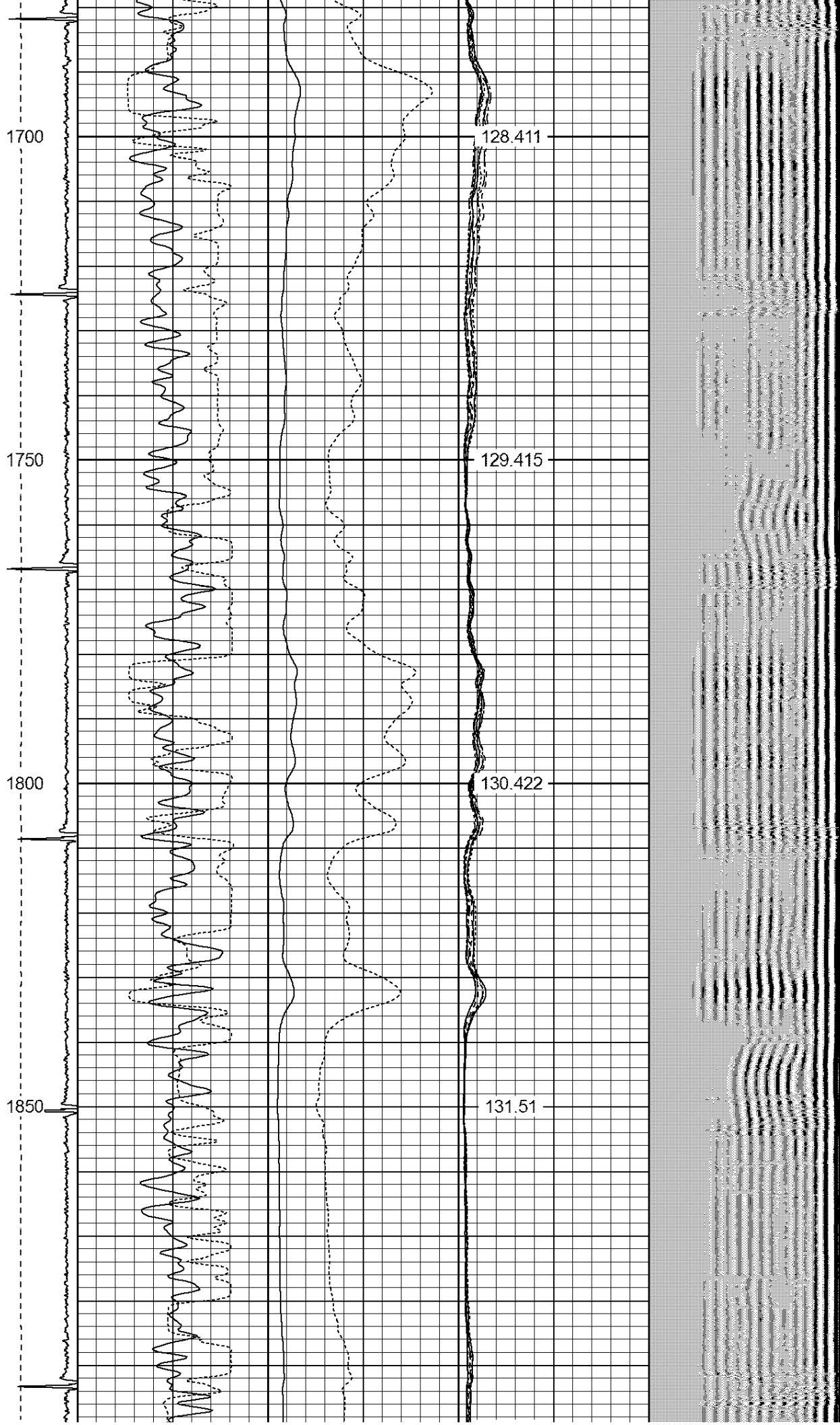




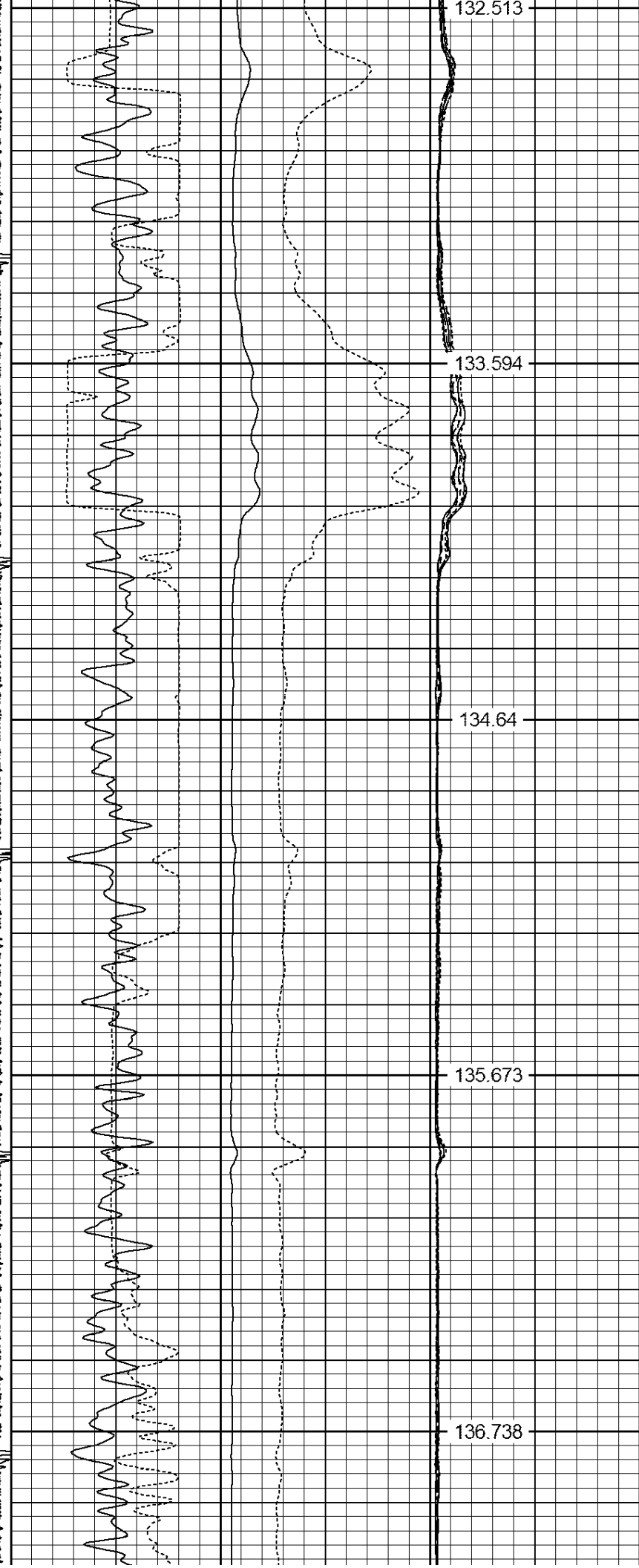




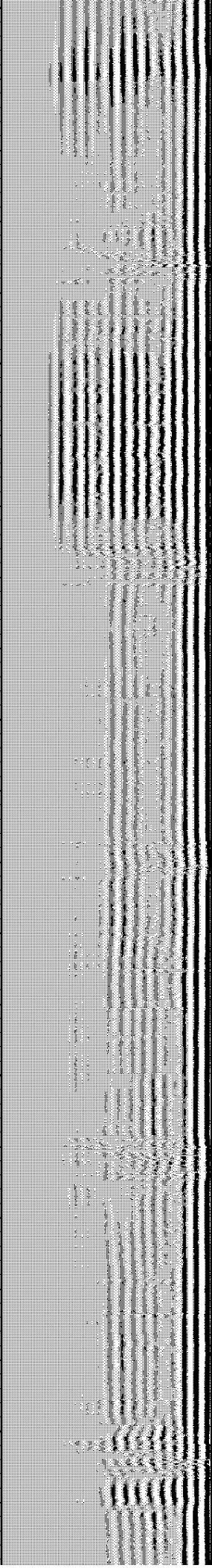




1900  
1950  
2000  
2050  
2100



132.513  
133.594  
134.64  
135.673  
136.738



2150

137.746

2200

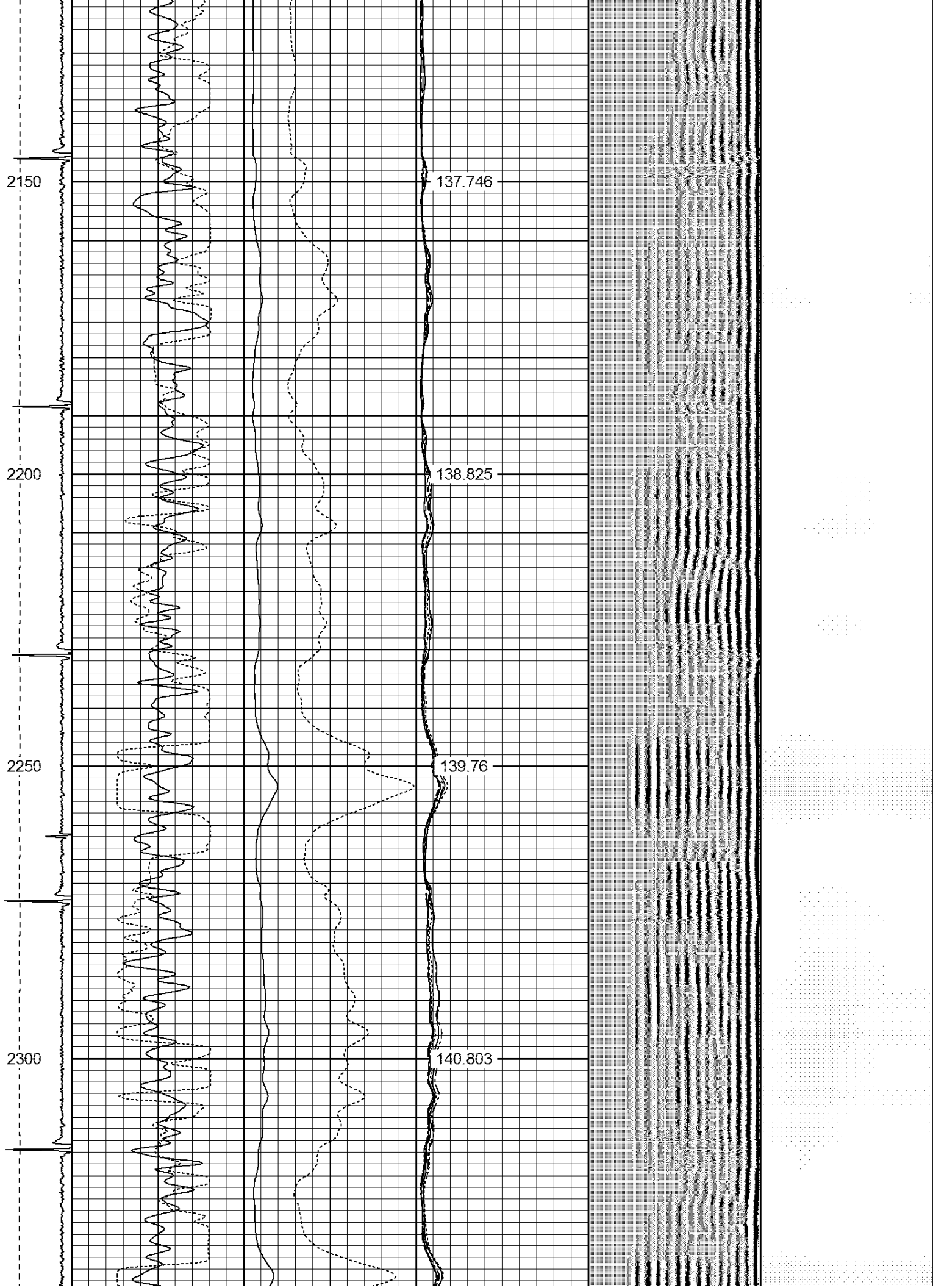
138.825

2250

139.76

2300

140.803



2350

141.753

2400

142.726

2450

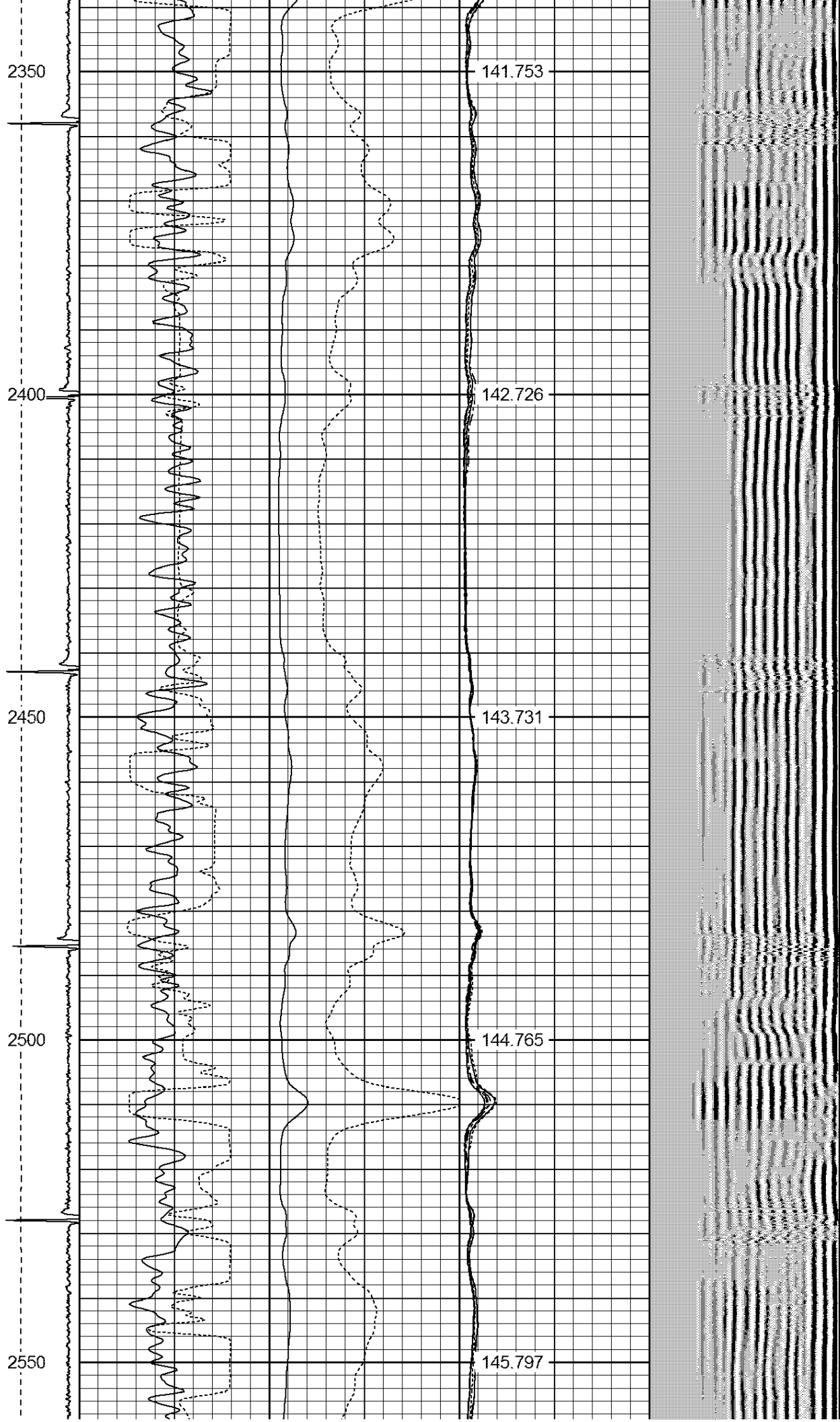
143.731

2500

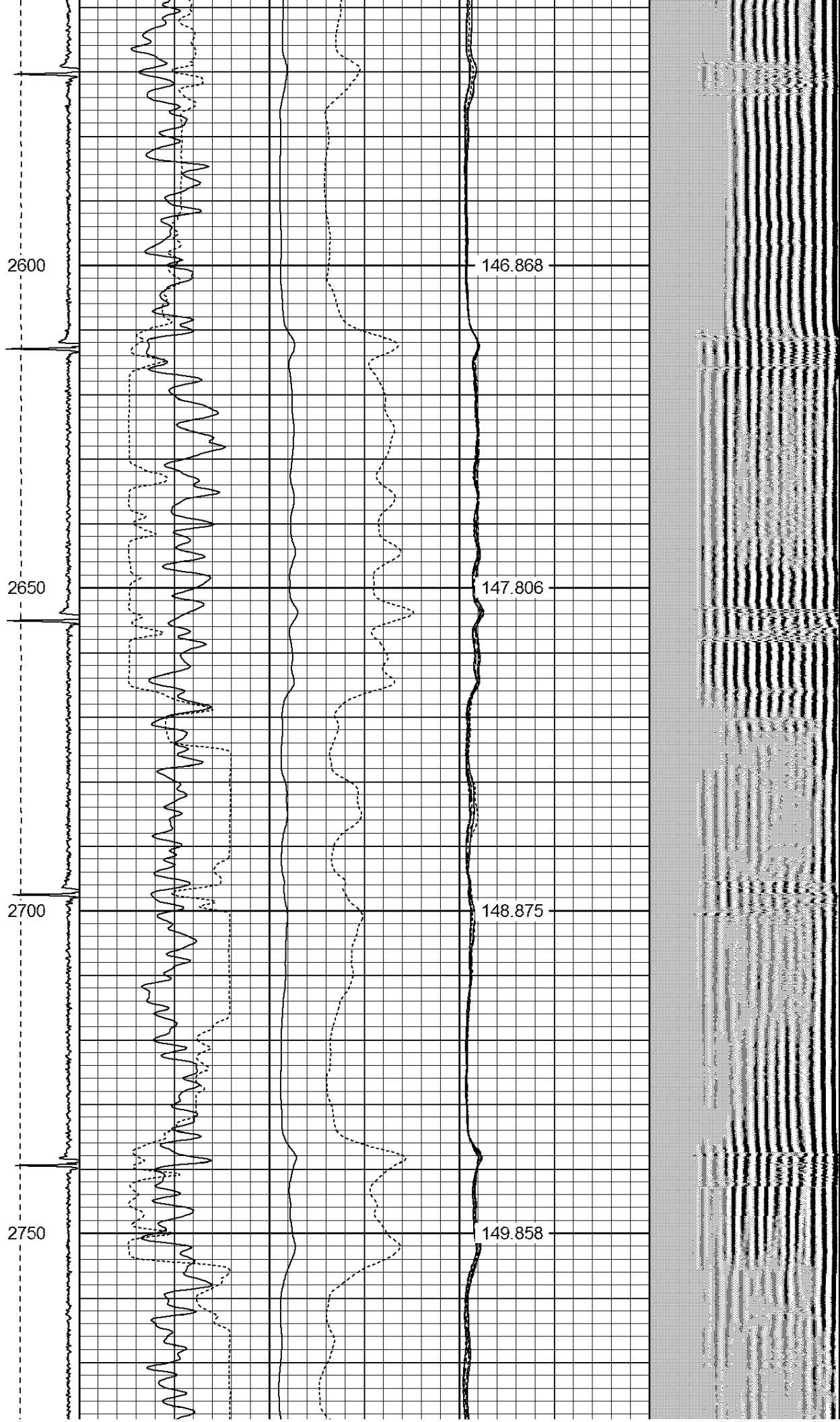
144.765

2550

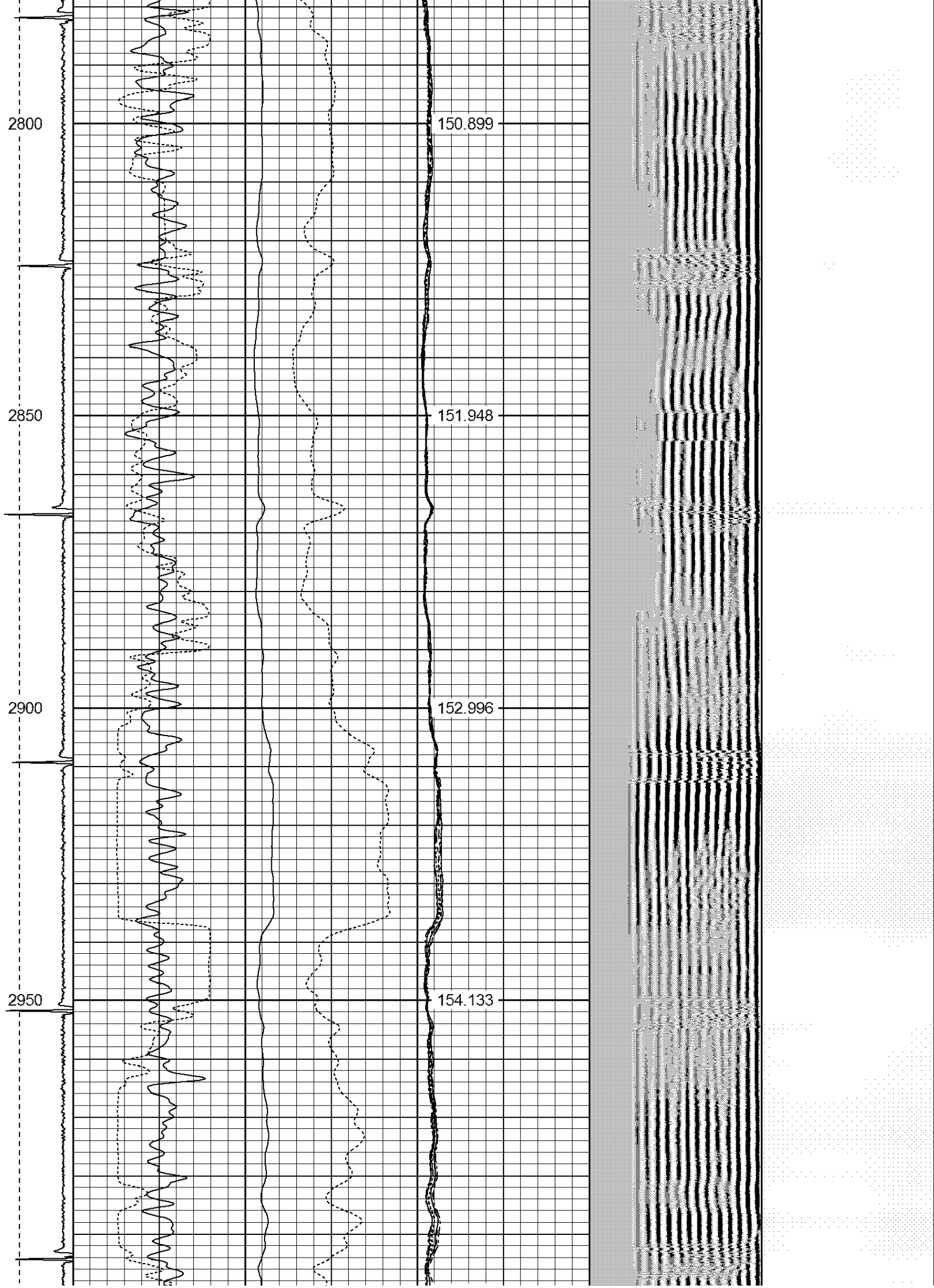
145.797

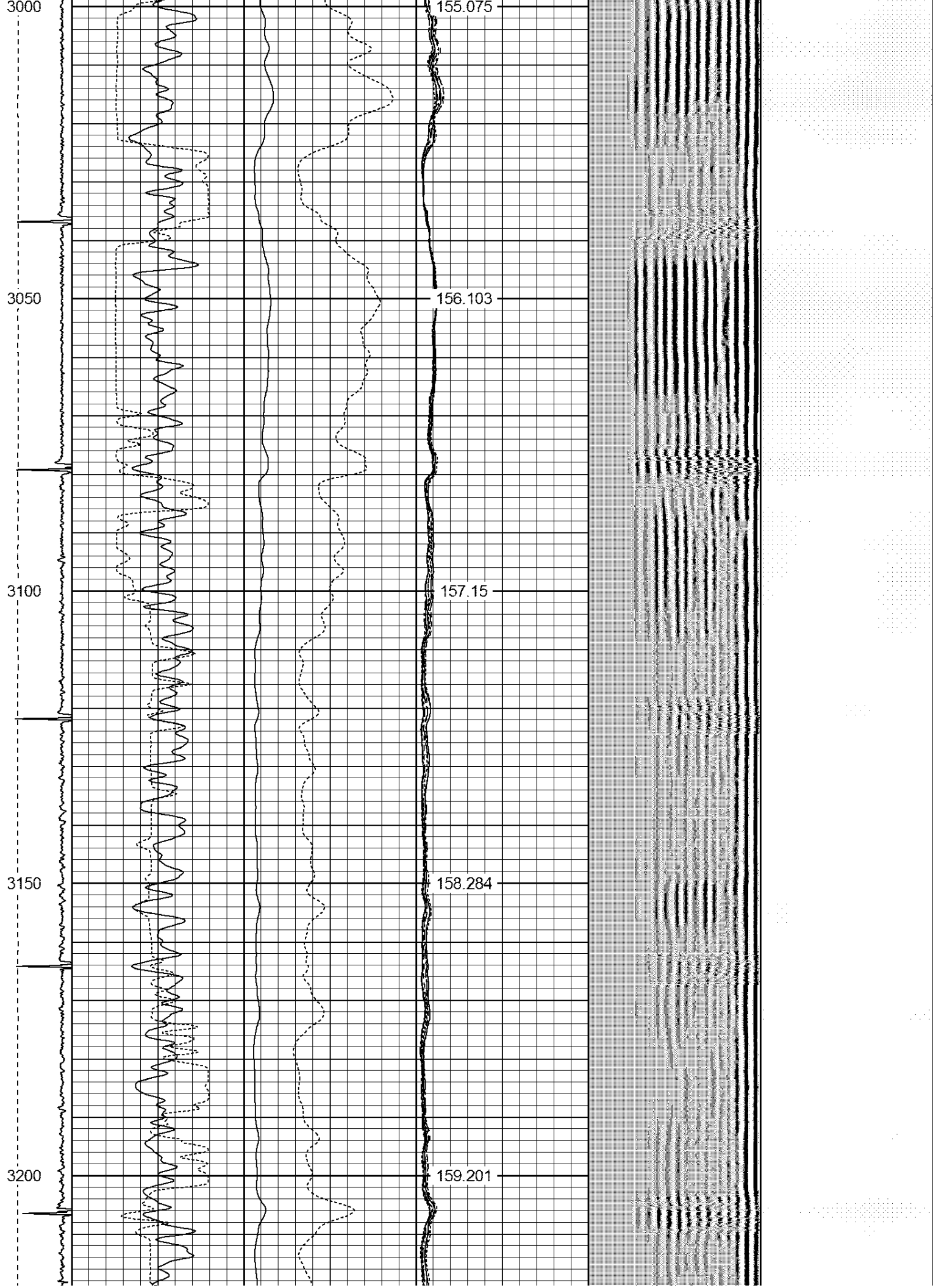












3250

160.259

3300

161.357

3350

162.439

3400

163.455

3450

164.491

3500

166.588

3550

167.601

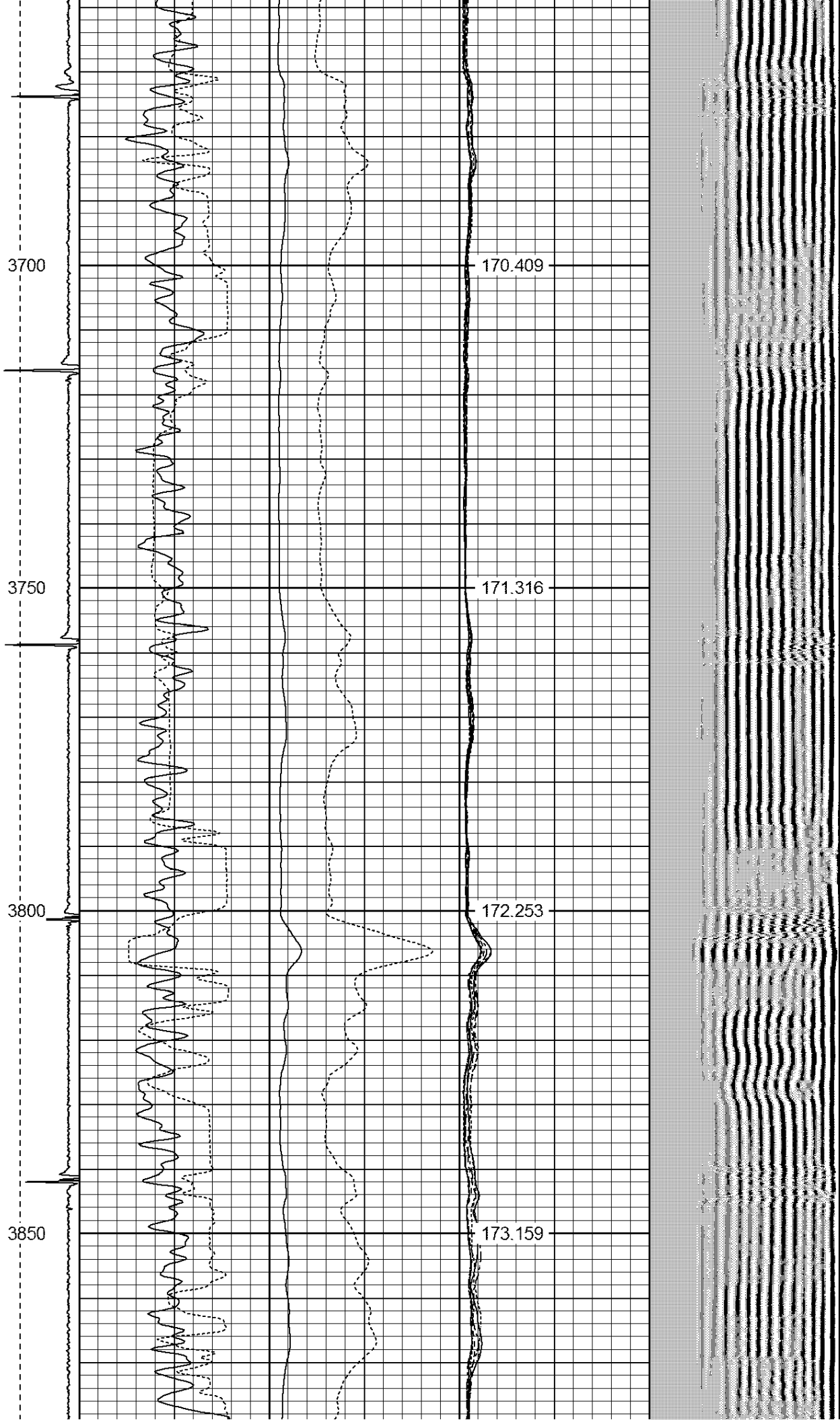
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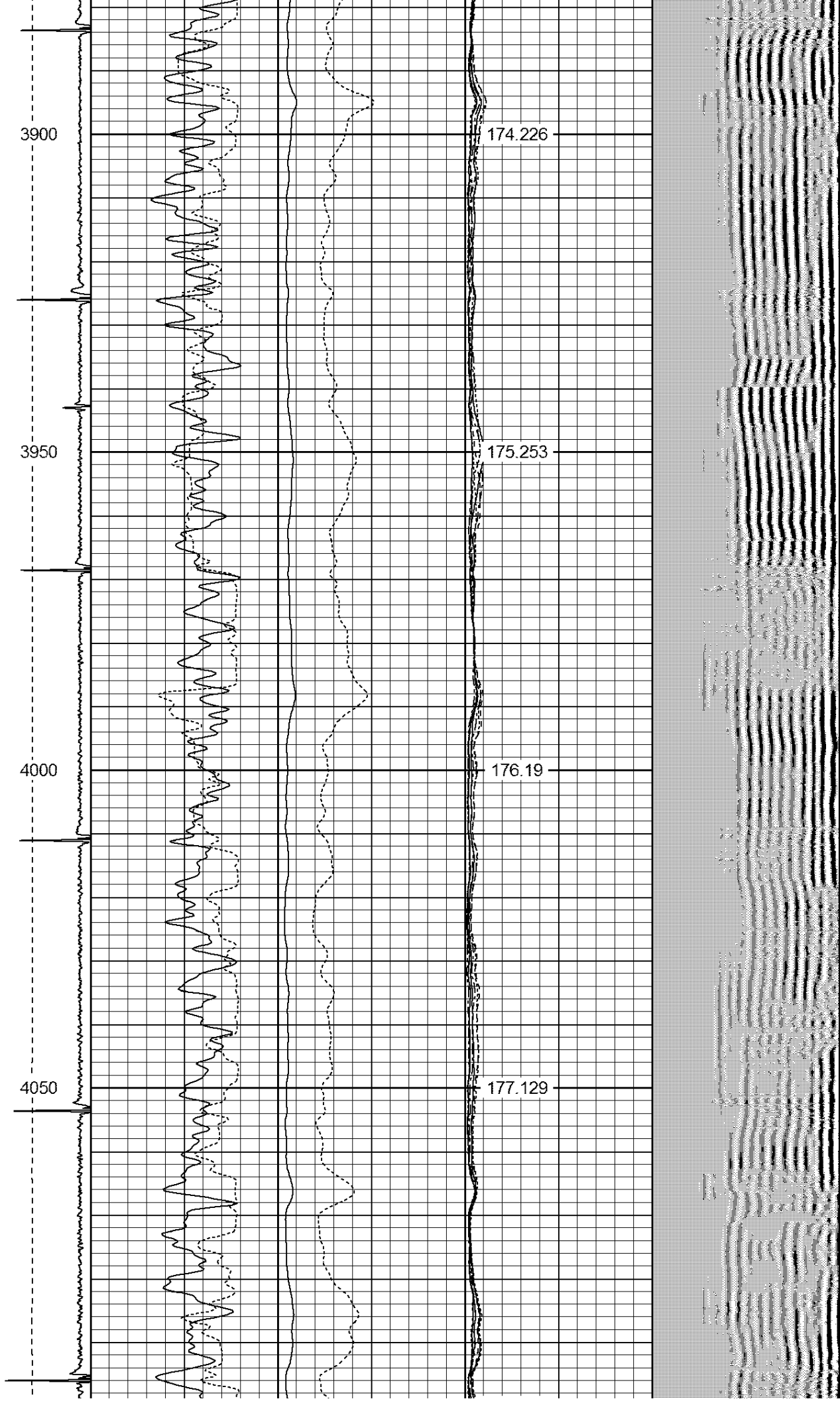
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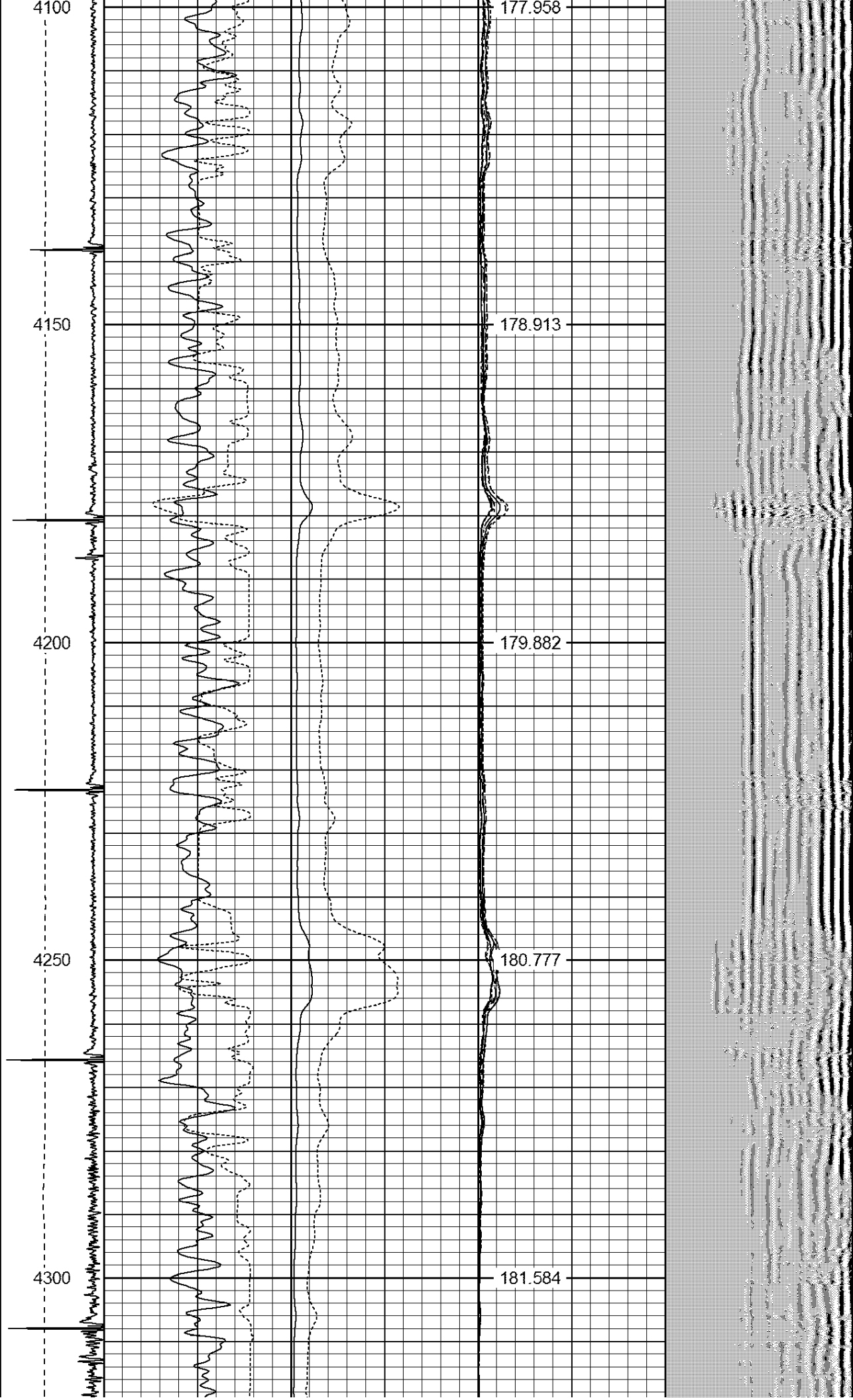
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169.491

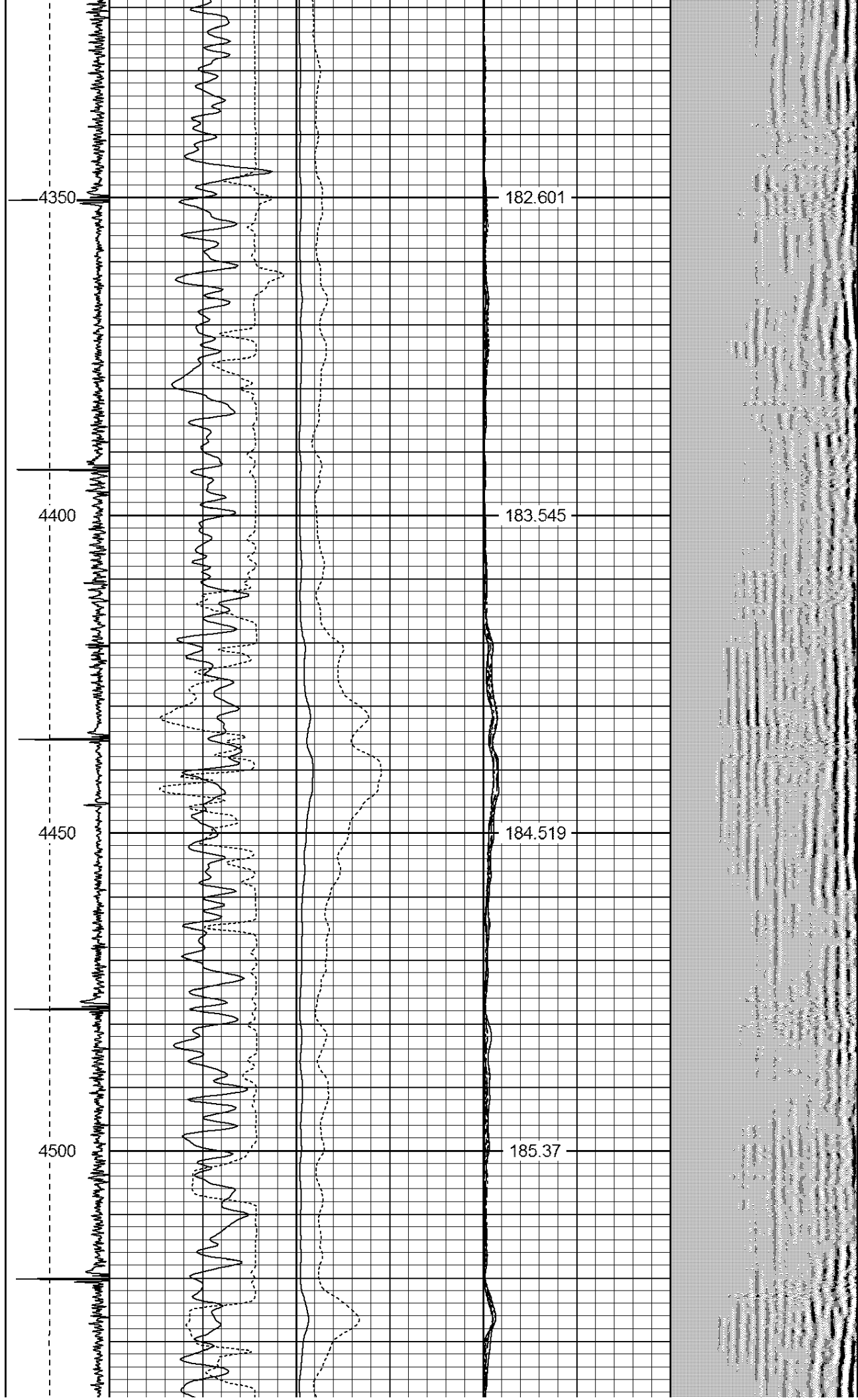


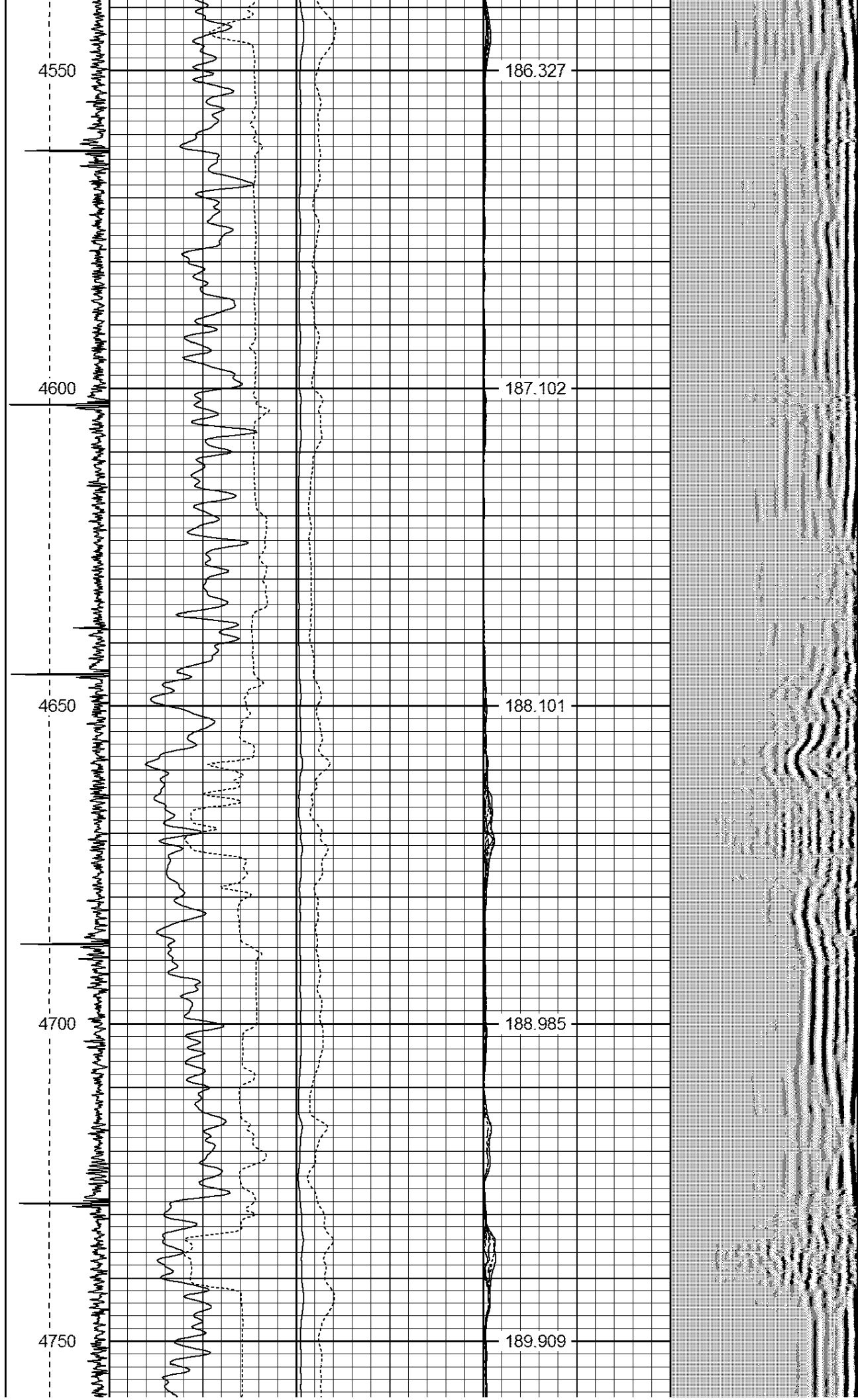


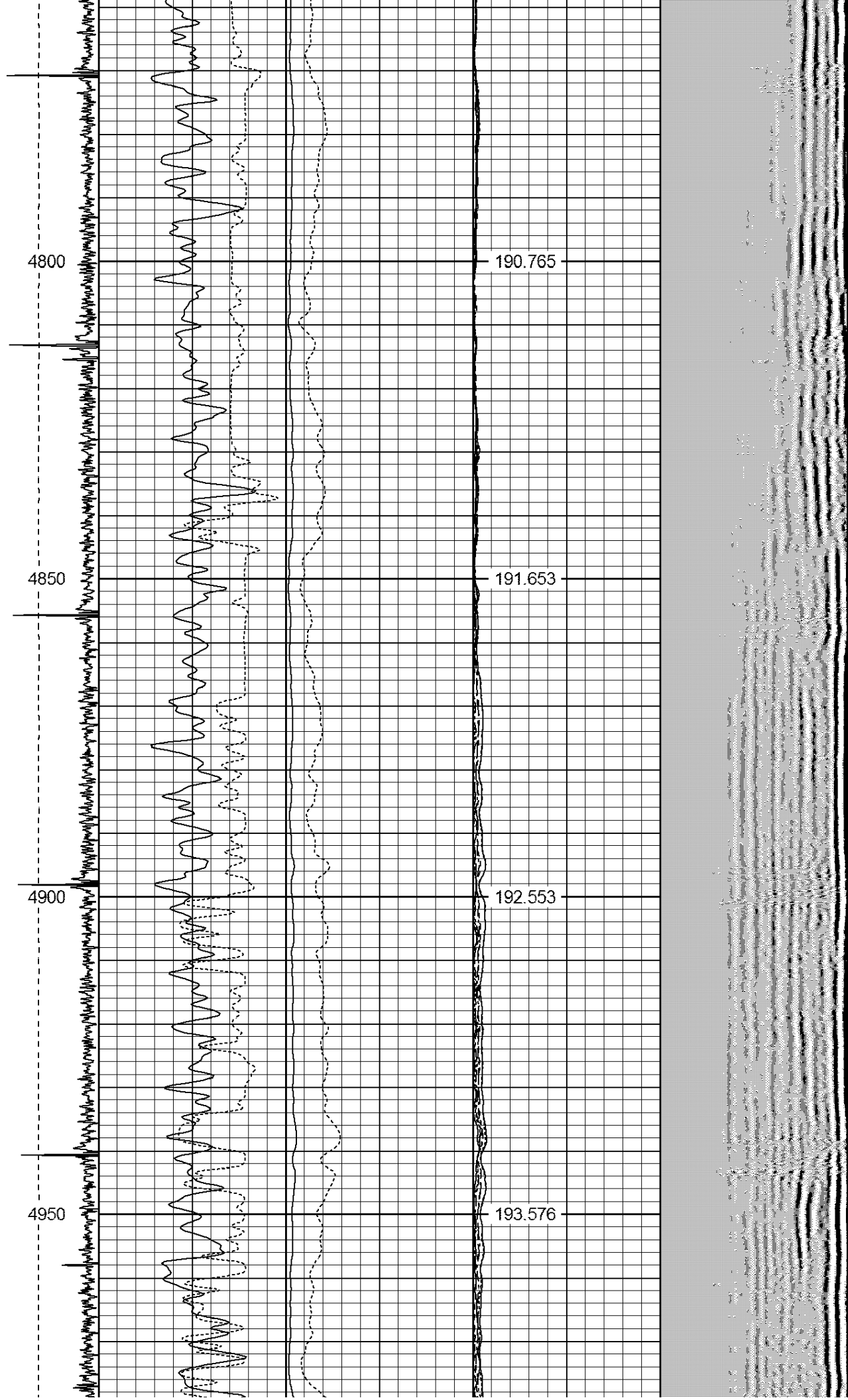


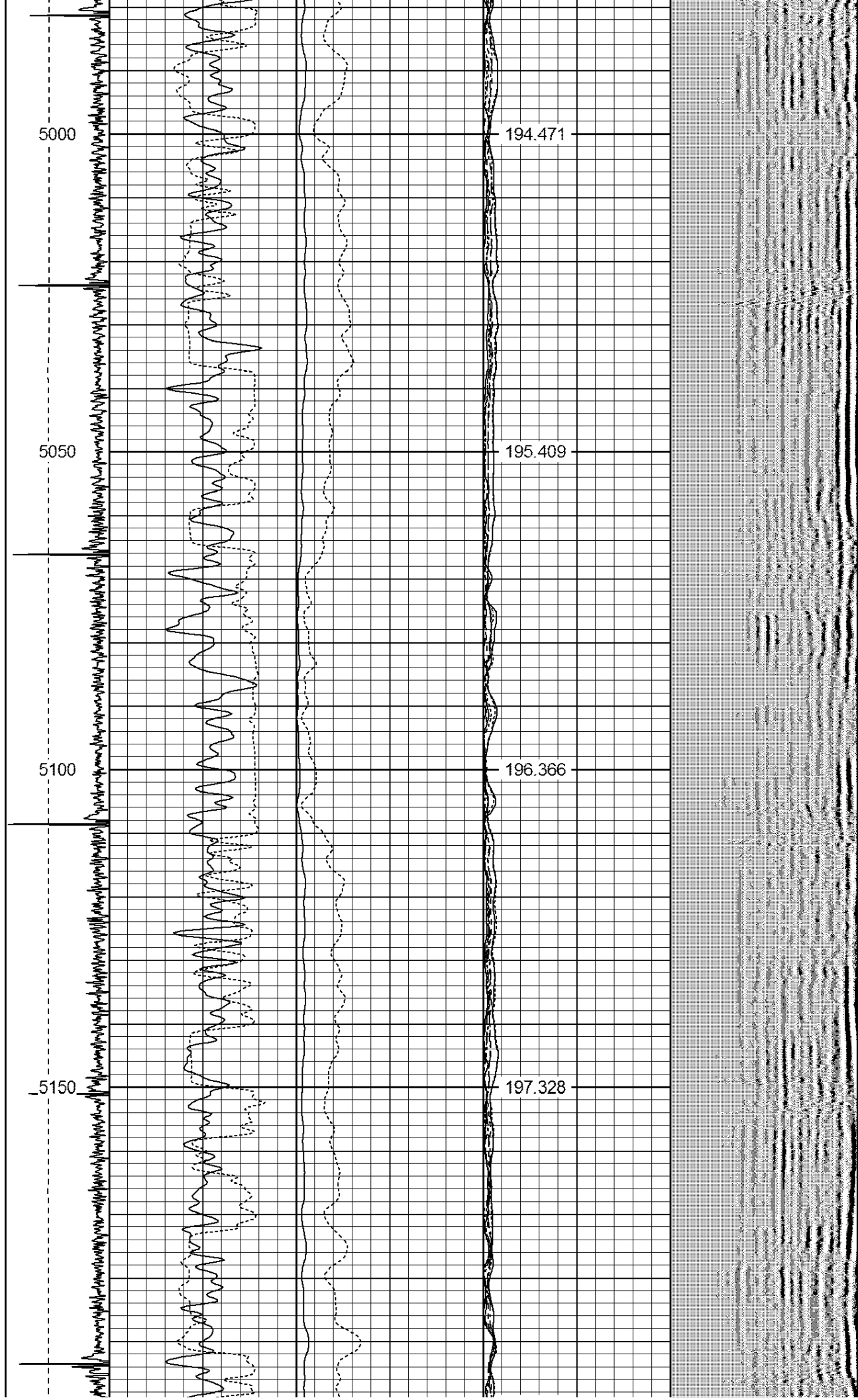


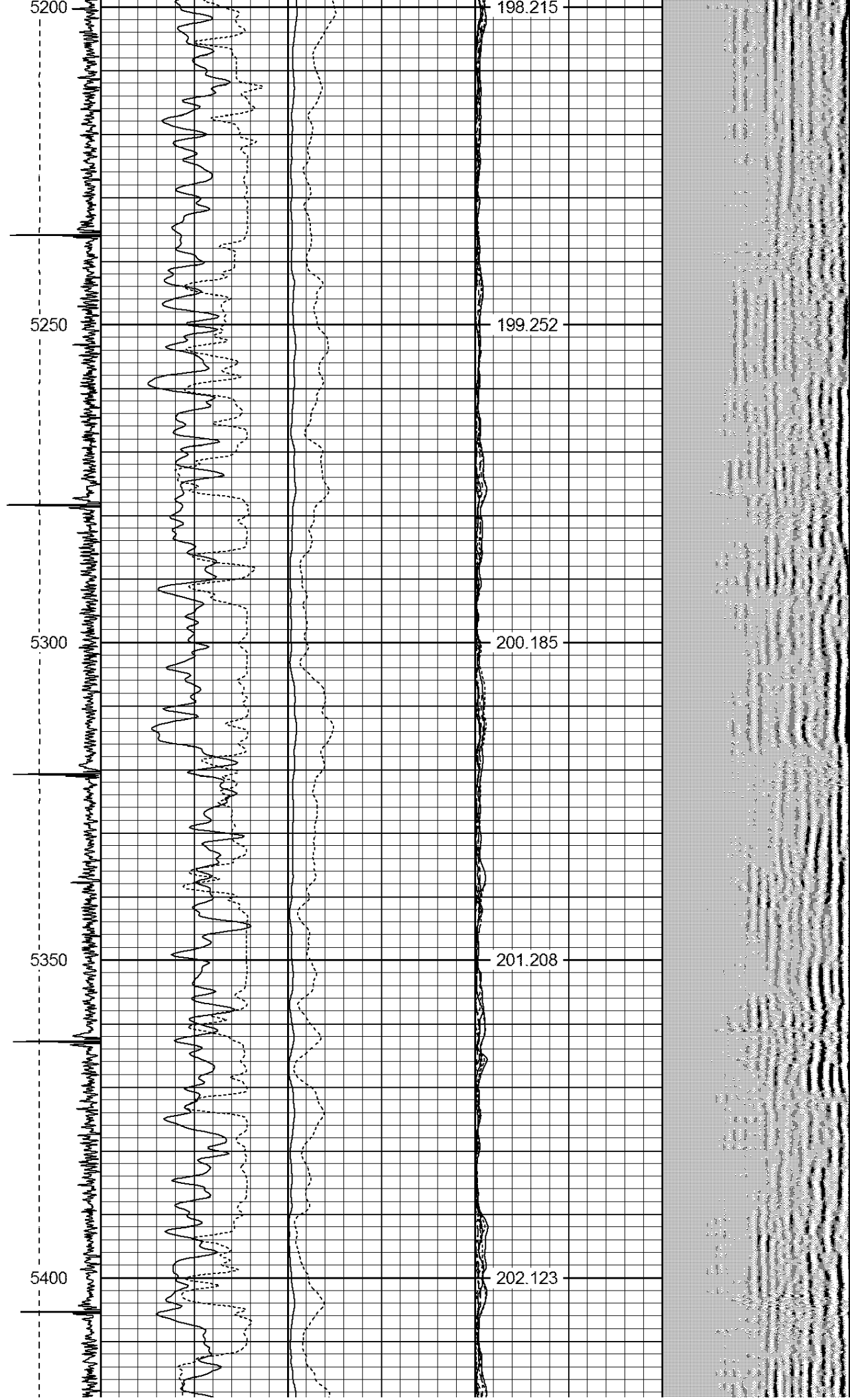


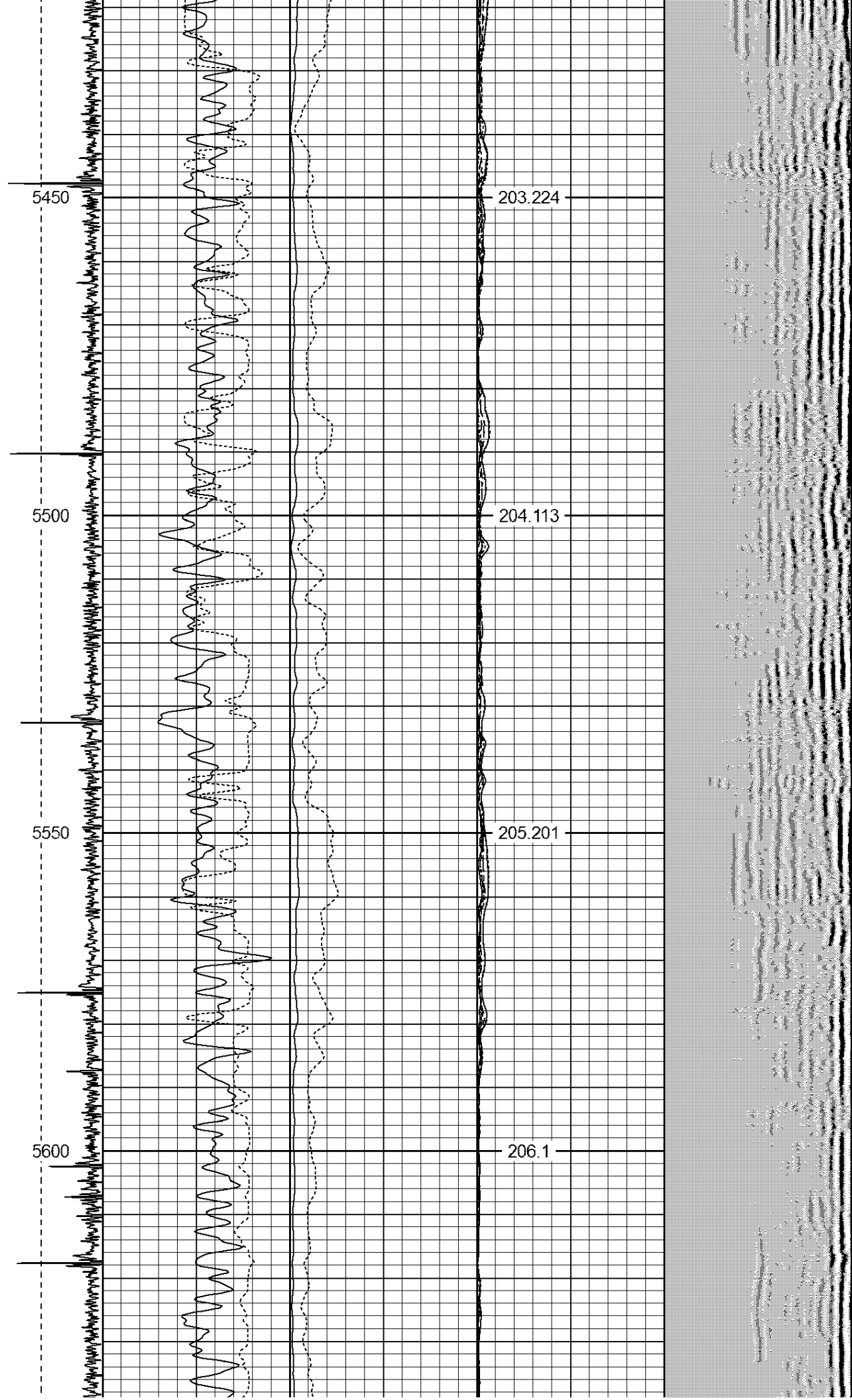


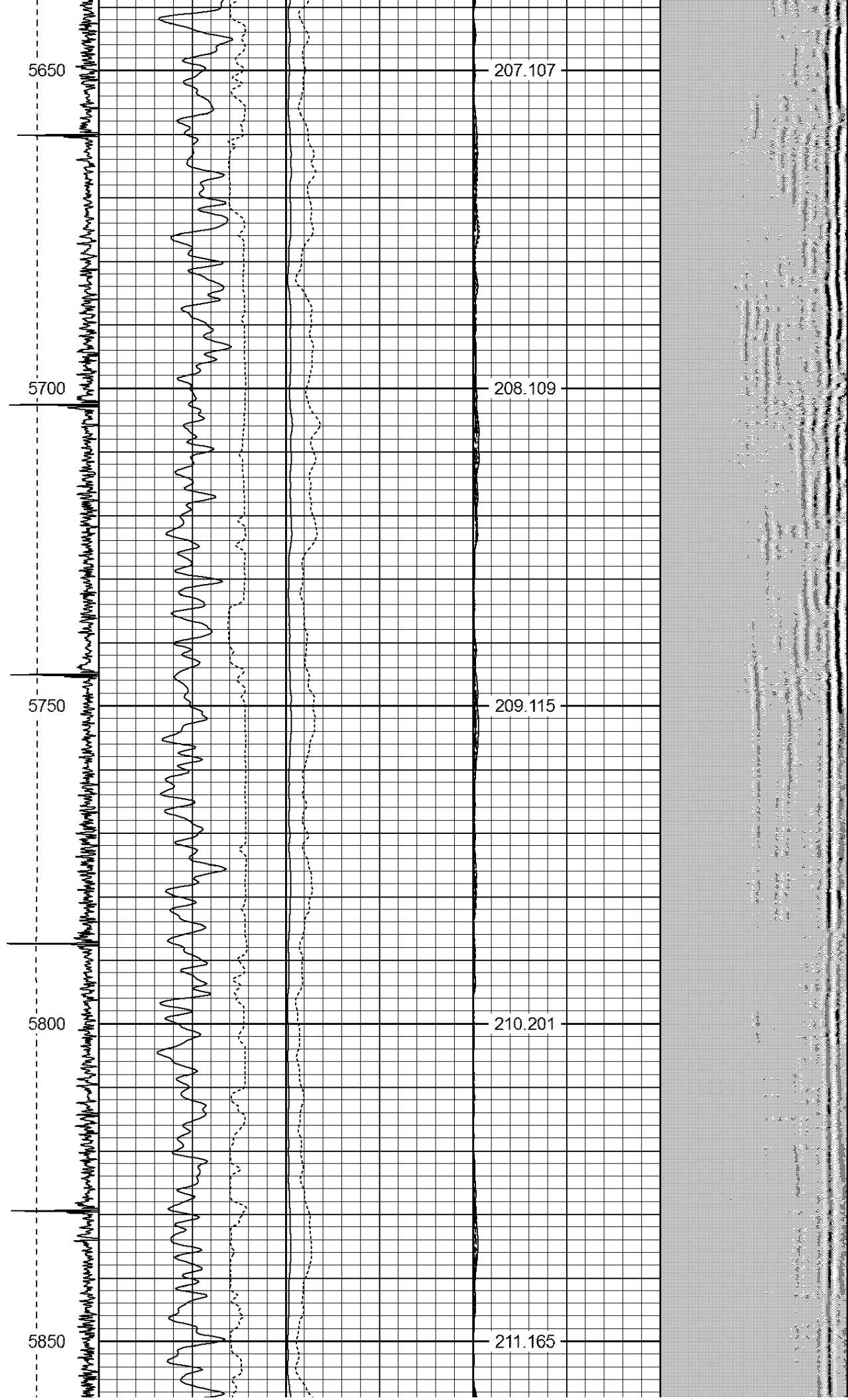




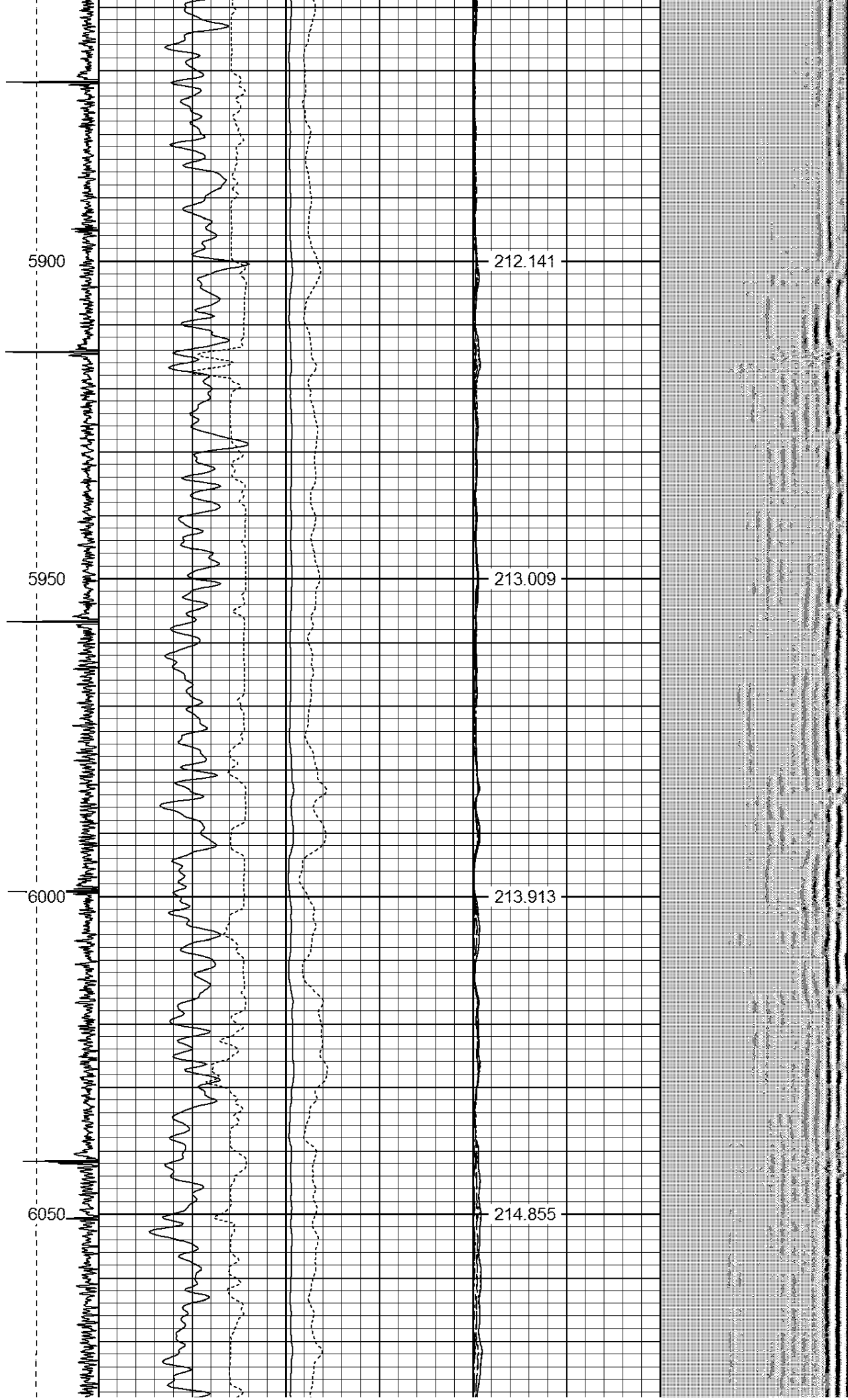


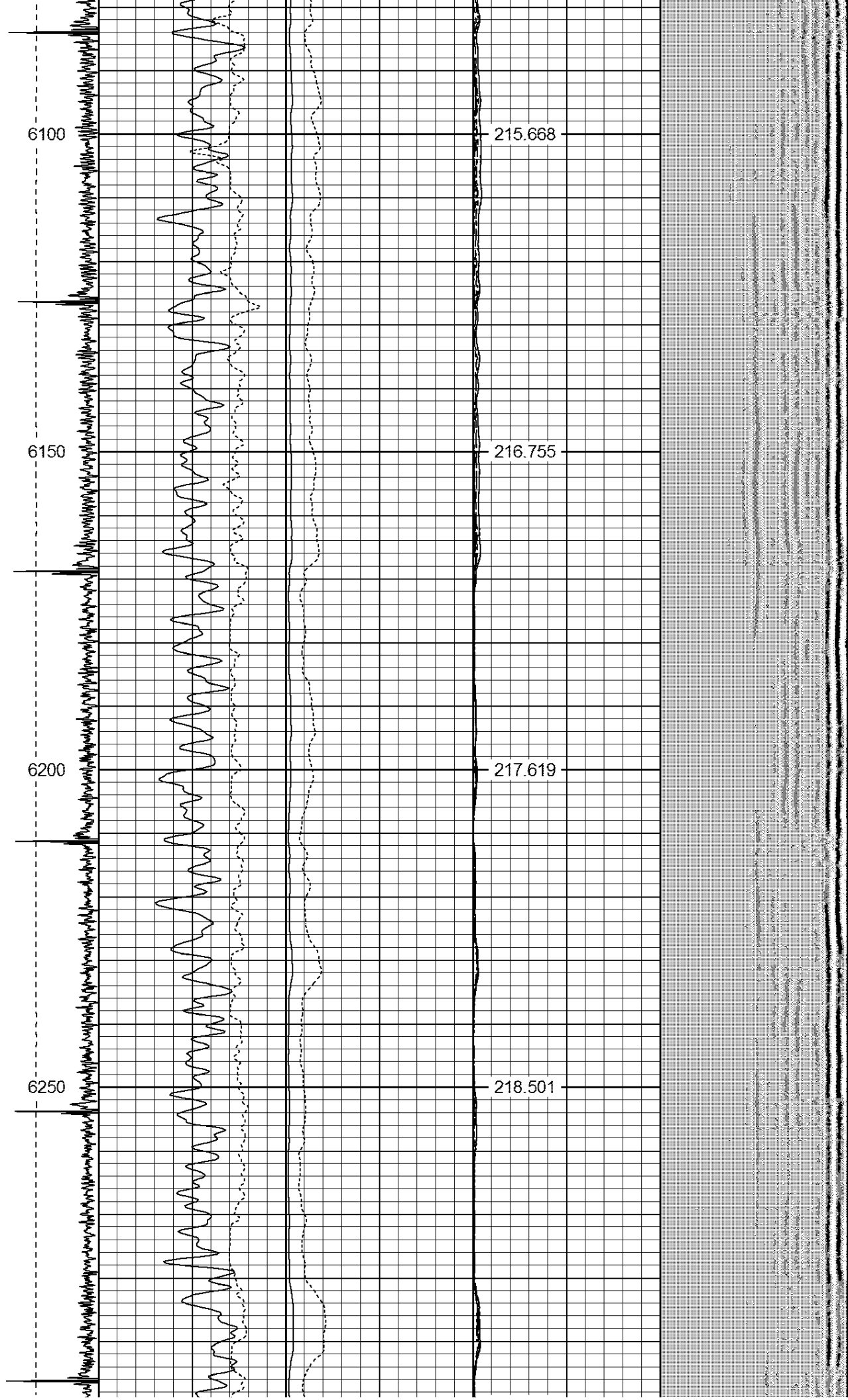


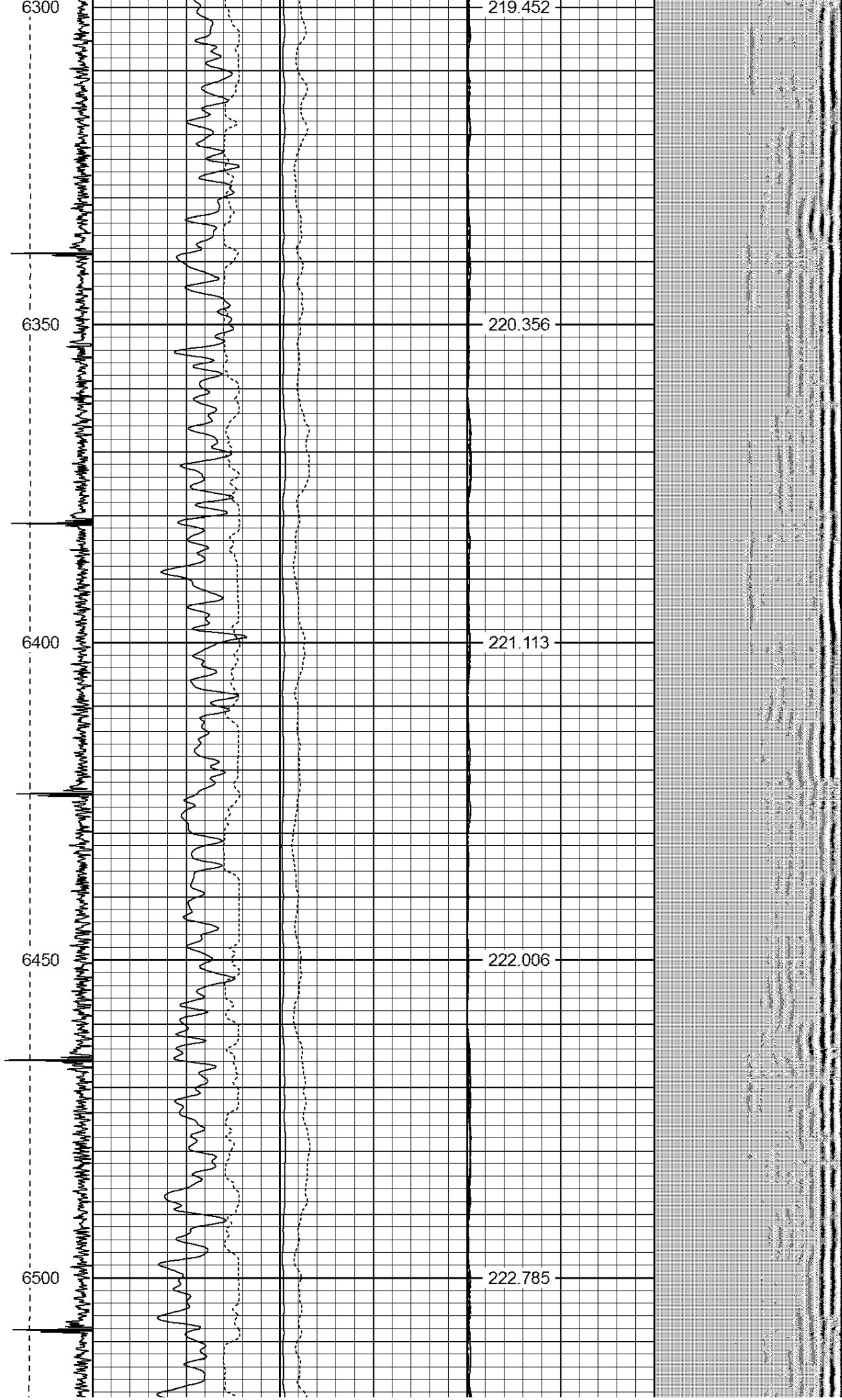


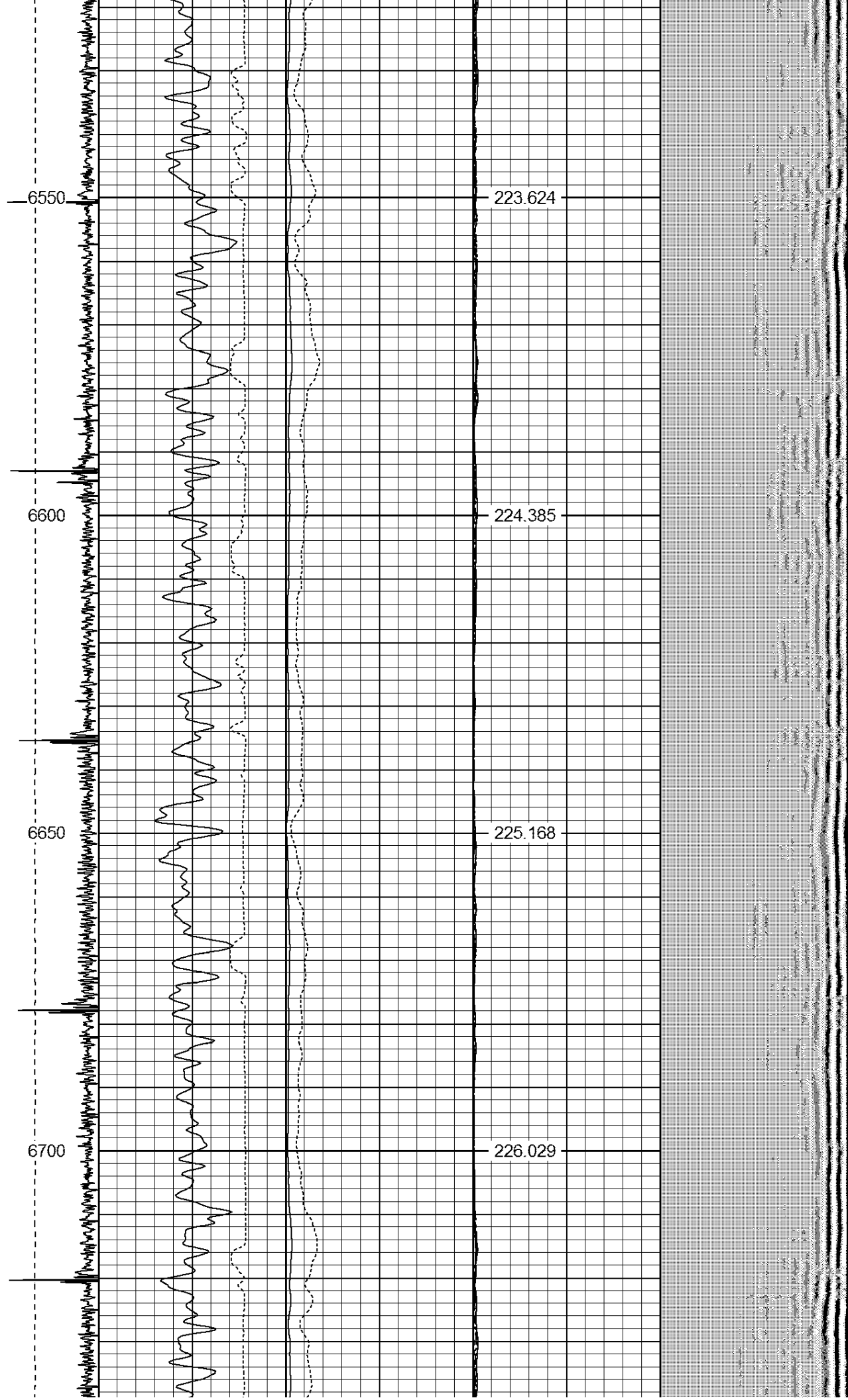


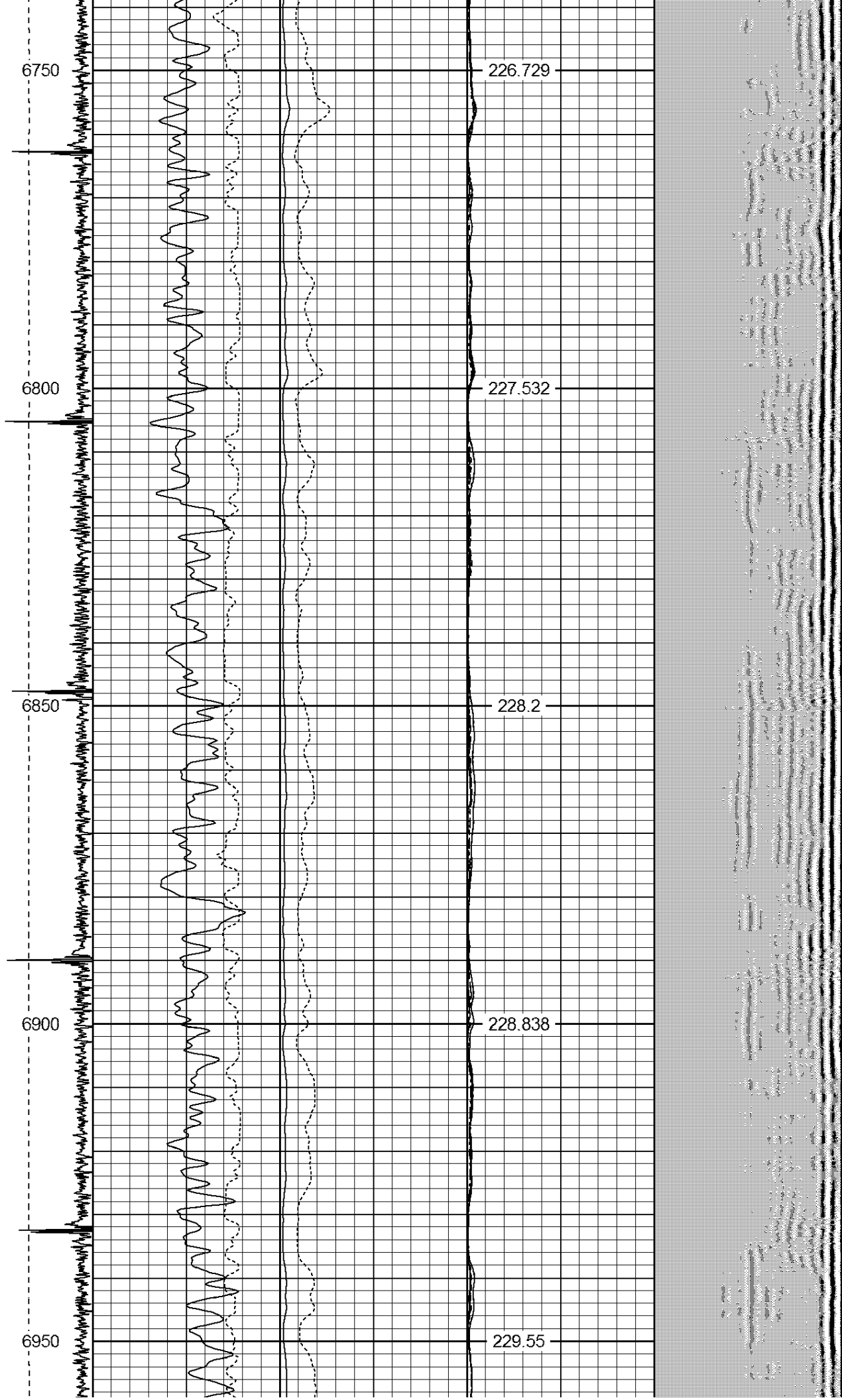


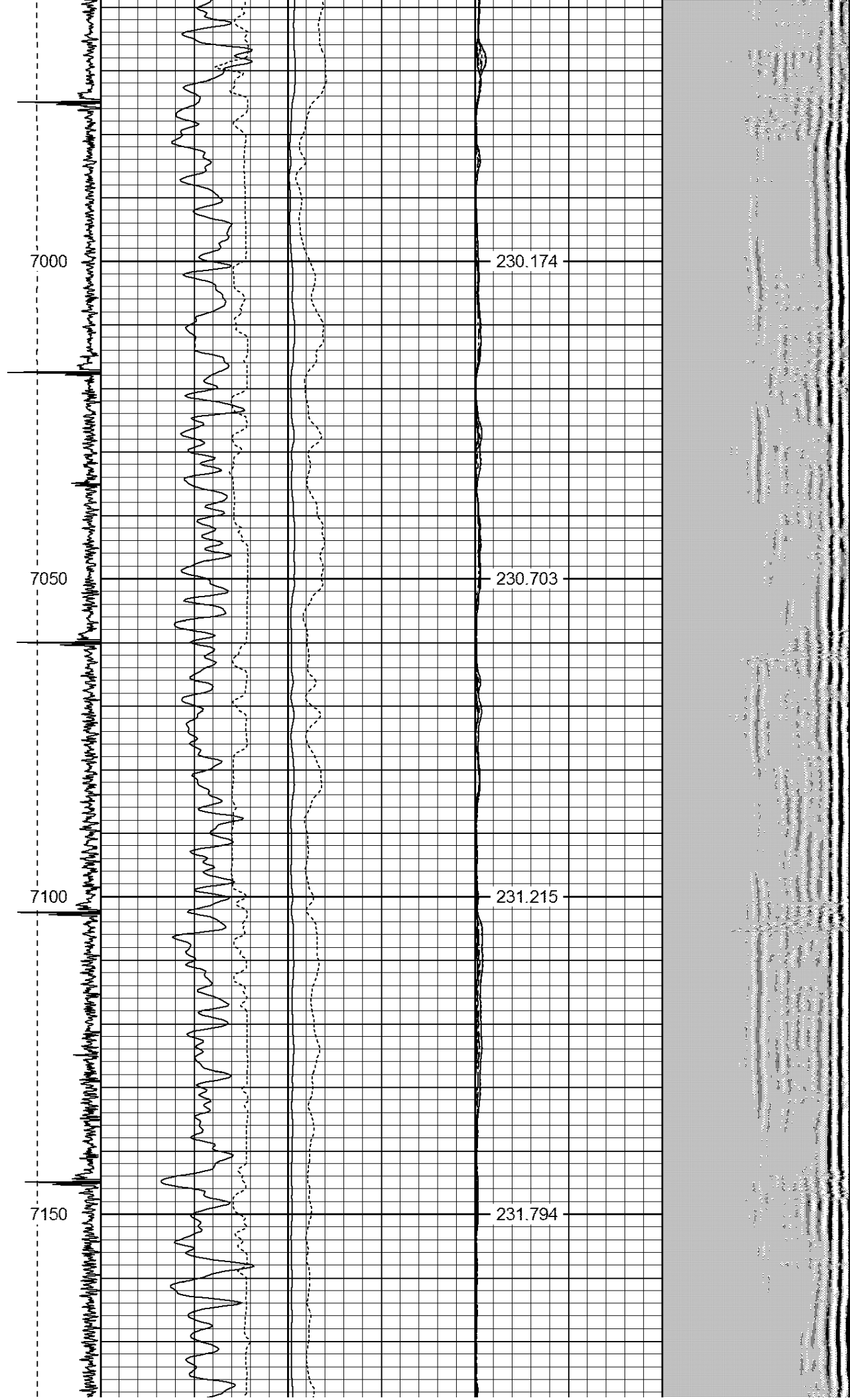


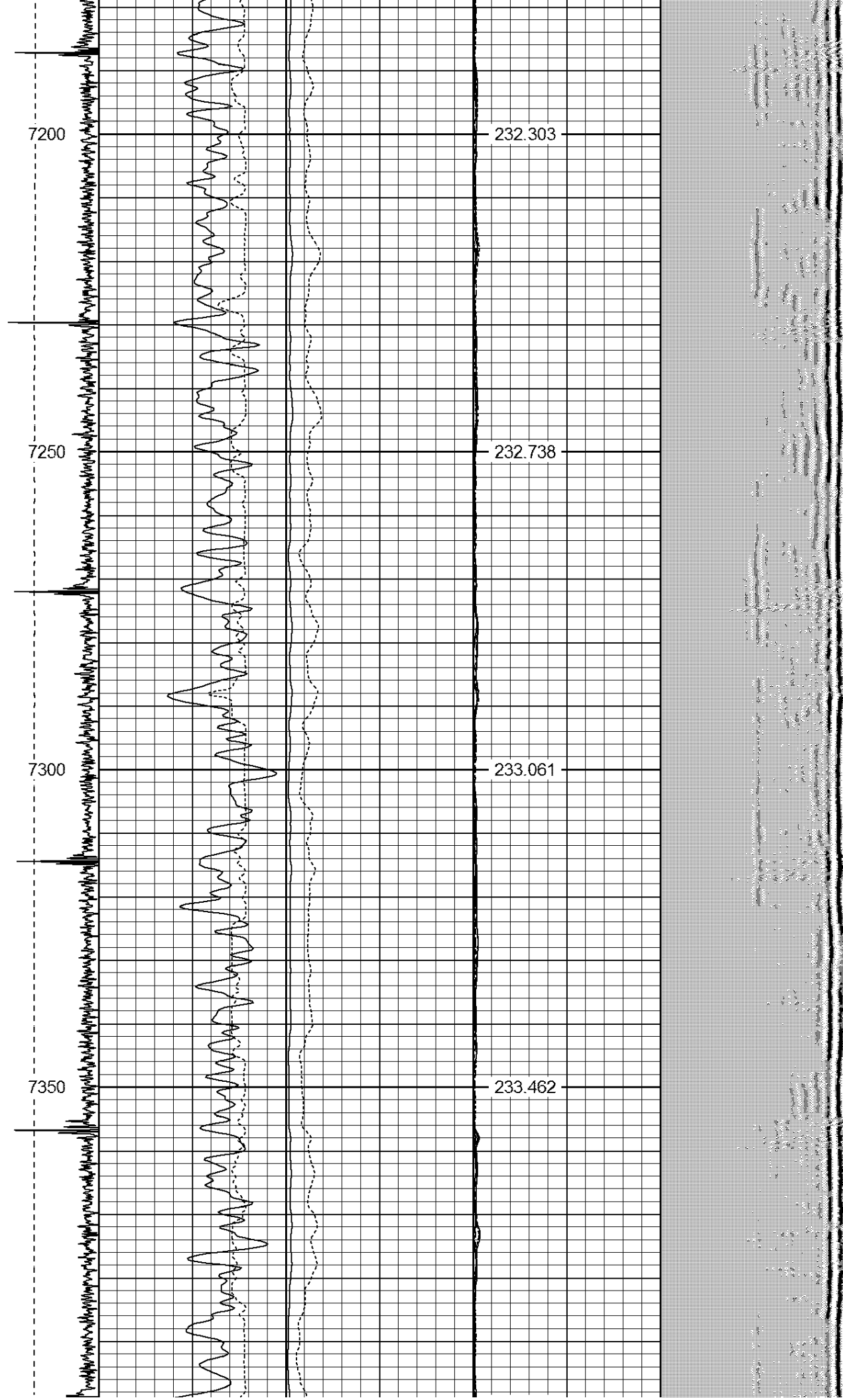












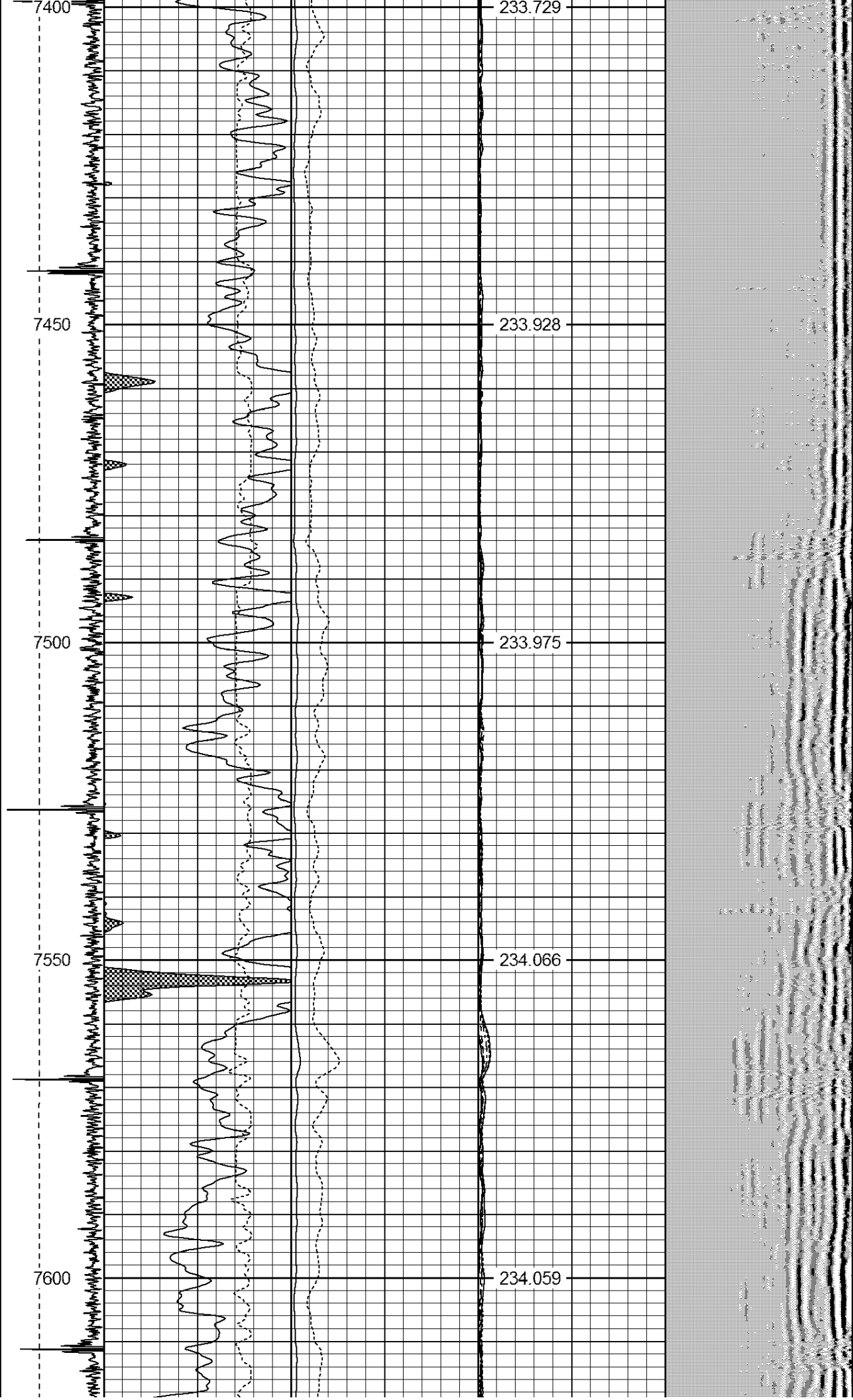
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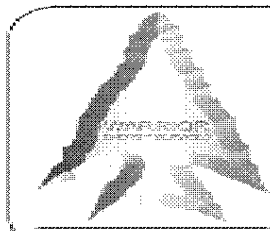
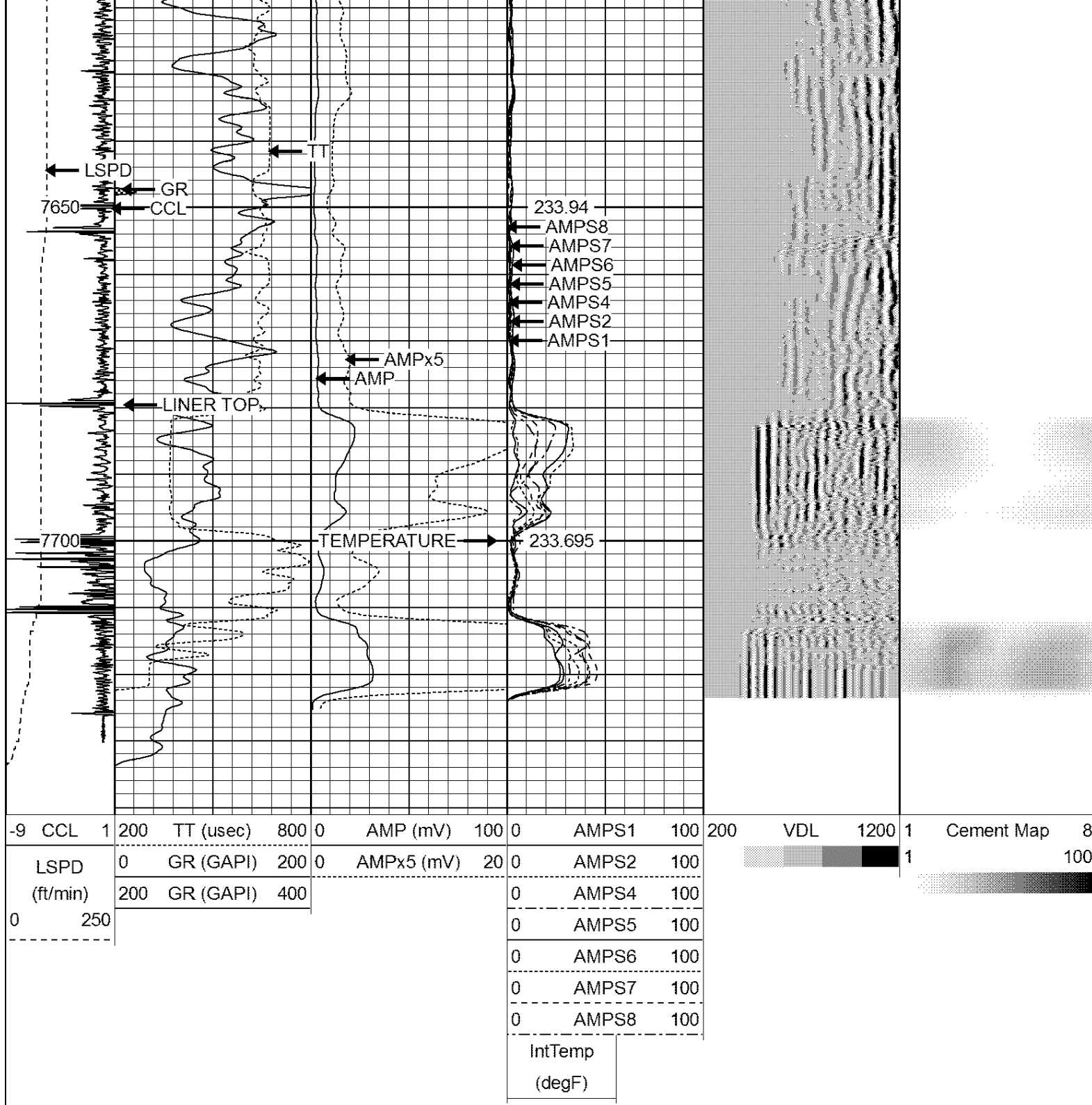
7250

7300

7350







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