

GAMMA RAY		CCL		CBL			
Run No.	ONE	Run No.	ONE	Run No.	ONE	Run No.	
Serial No.	400	Serial No.	400	Serial No.	400	Serial No.	
Model No.	CBL_DC	Model No.	CBL_DC	Model No.	CBL_DC	Model No.	
Diameter	3.25"	Diameter	3.25"	Diameter	3.25"	Diameter	
LOGGING DATA							
General Data							
Pass	Depths		Well Head	Speed	Logging Run Comments		
No.	From	To	Pressure	Ft/Min			
ONE	8764'	SURFACE	0 PSI	60	MAIN LOG SECTION		
ONE	8763'	8500'	0 PSI	60	REPEAT LOG SECTION		
	CCL		MSG		GAMMA RAY		
Pass	Scale		Scale		Scale		Scale
No.	L	R	L	R	L	R	L
ONE	-9	1	200	1200	0	200	
DIRECTIONAL INFORMATION							
Maximum Deviation			deg. @		KOP		

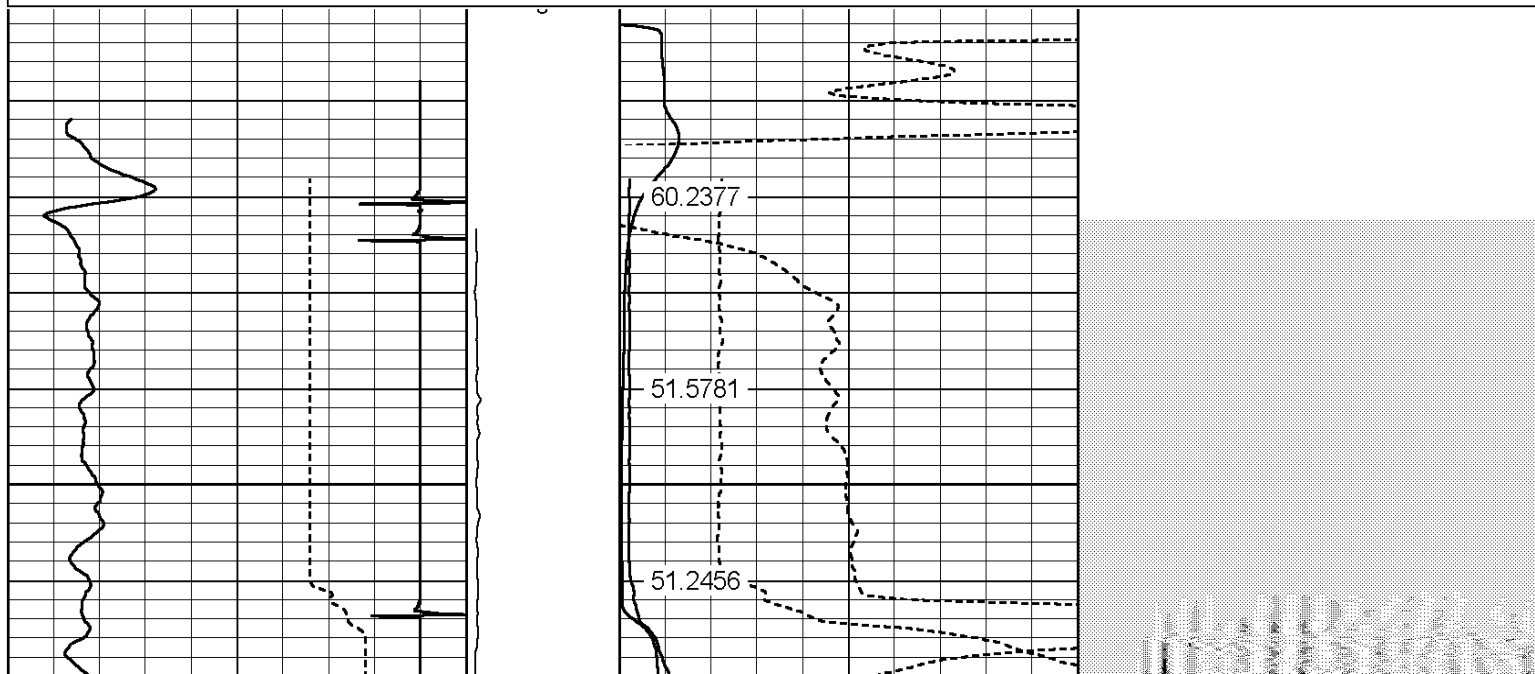
HALLIBURTON

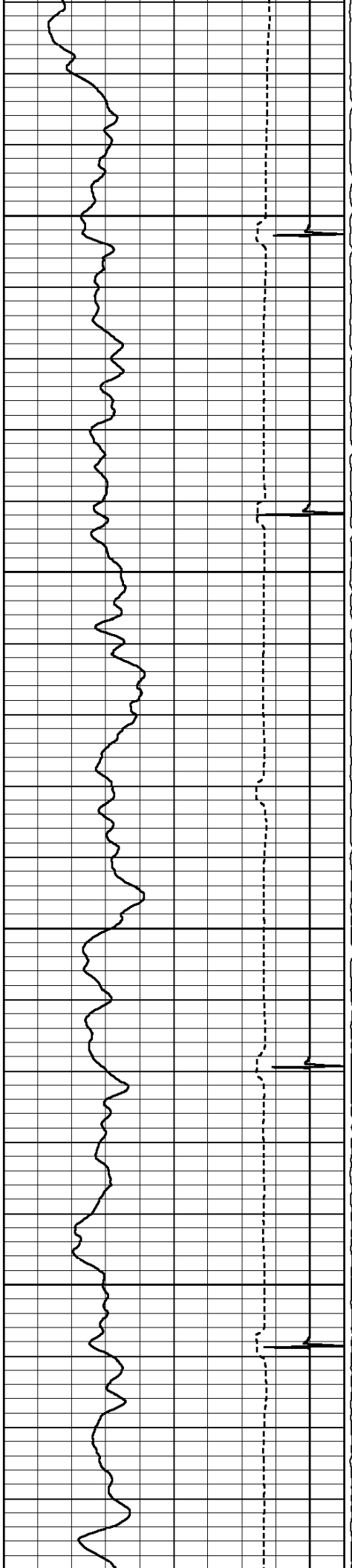
ACOUSTIC CEMENT BOND LOG

MAIN LOG SECTION W/ TEMPERATURE
5"=100'

Database File: norcross_a4_cbl.db
Dataset Pathname: CBL/MAINF_CMBO
Presentation Format: cbl_combo
Dataset Creation: Sun Jan 27 01:55:03 2008
Charted by: Depth in Feet scaled 1:240

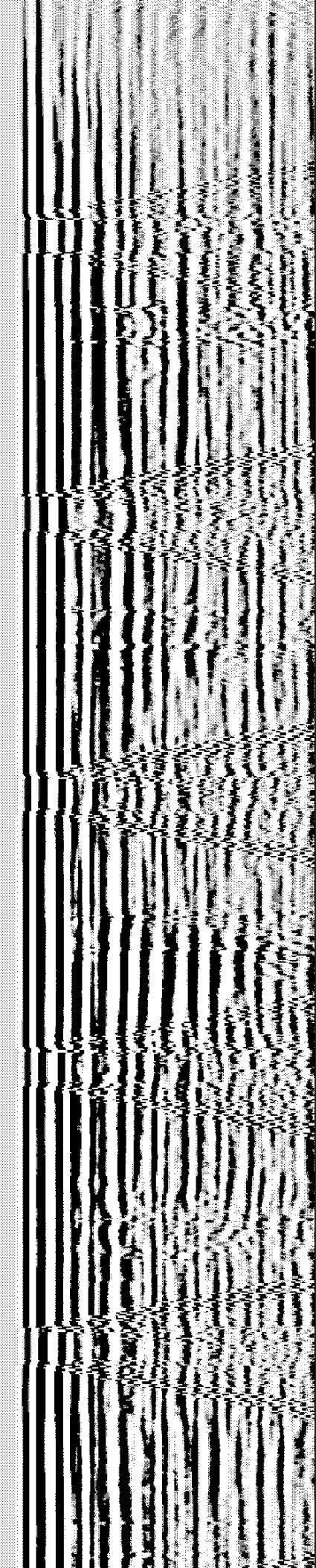
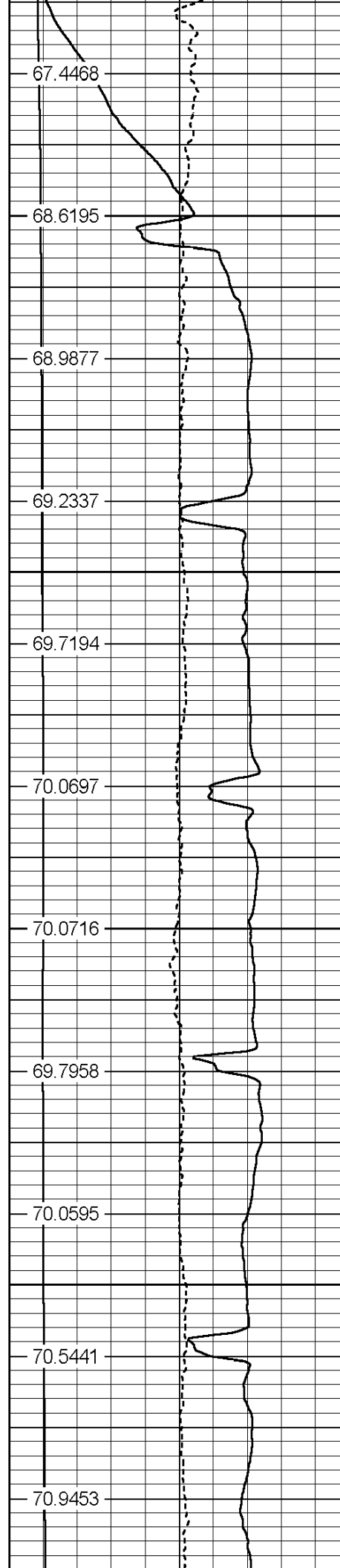
370	TRAVEL TIME (usec)	170	TENSION	0	AMP AMPLITUDE (mV)	10	200	MSG	1200
-9	Collar Locator	1	0 (lb)2000	0	AMPLITUDE (mV)	100			
0	Gamma Ray (GAPI)	200			50	TEMP (degF)	250		
					-1	DTMP (degF)	1		

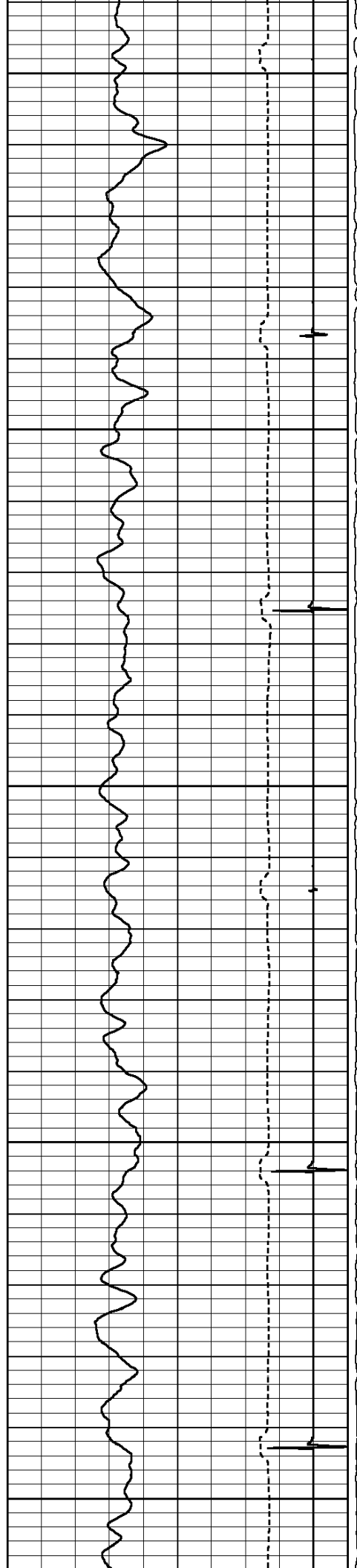




100

200





300

400

500

71.6043

71.7451

72.2303

72.4089

72.7028

72.6724

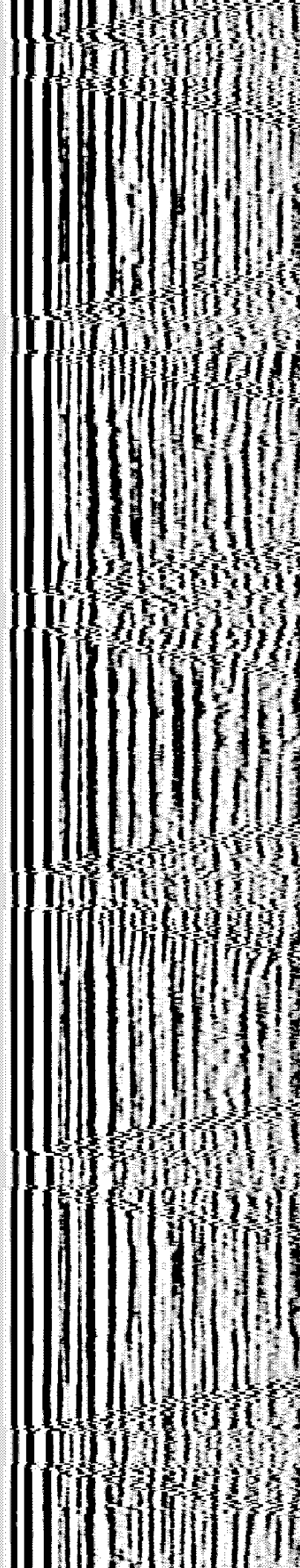
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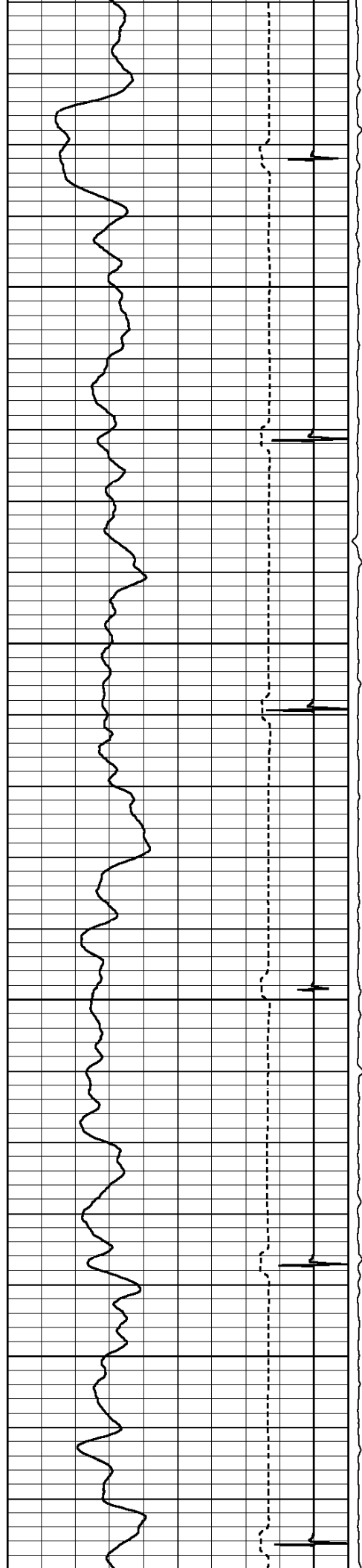
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73.8214

74.0222

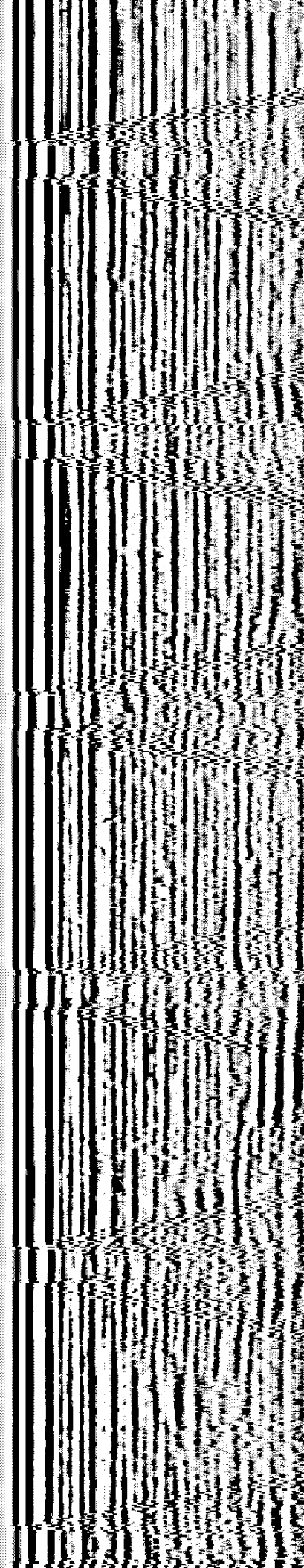
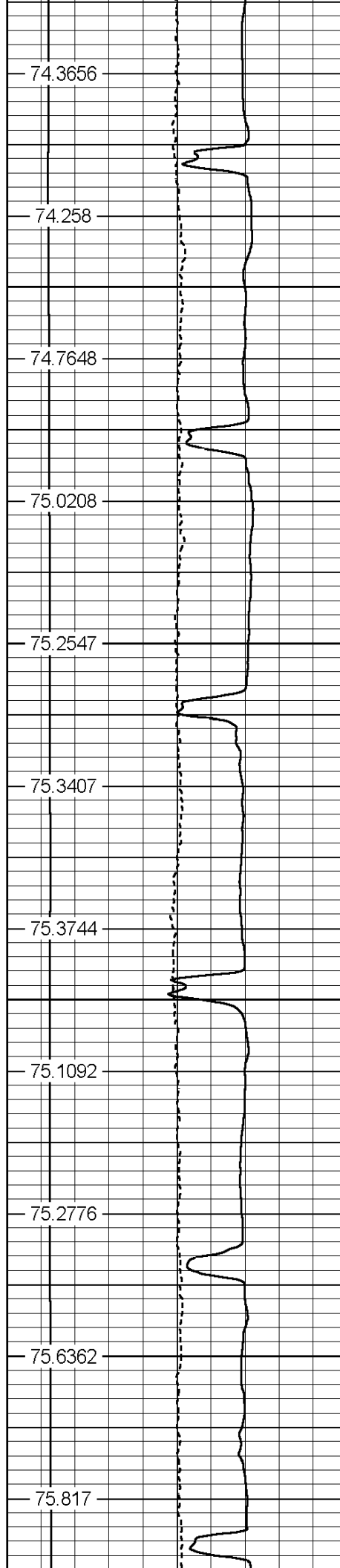
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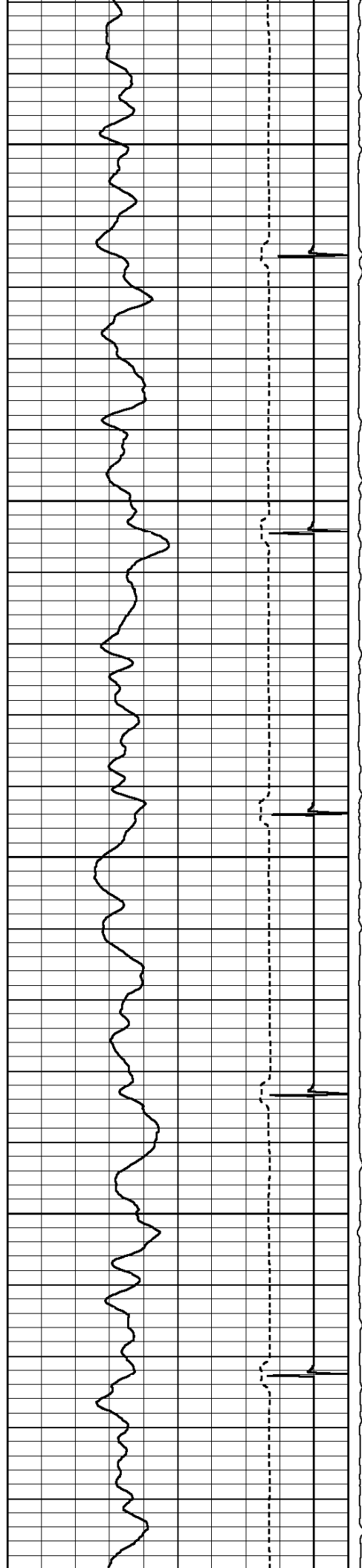




600

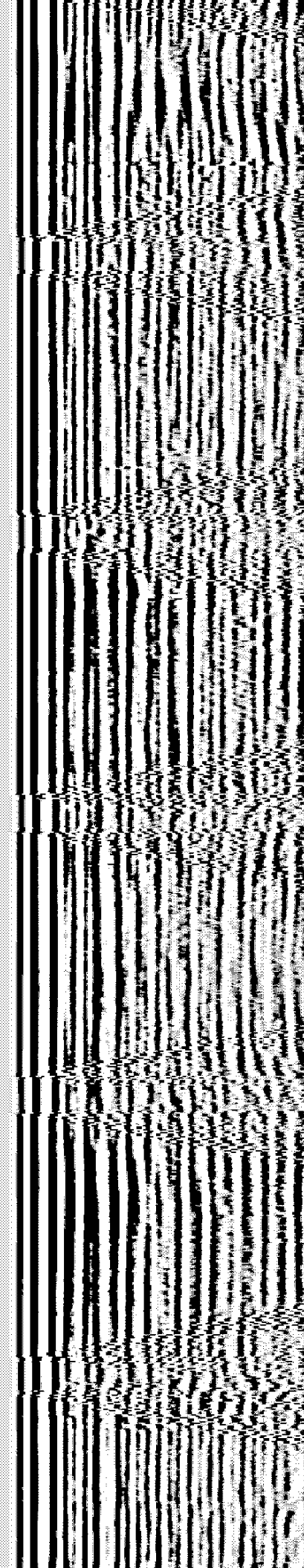
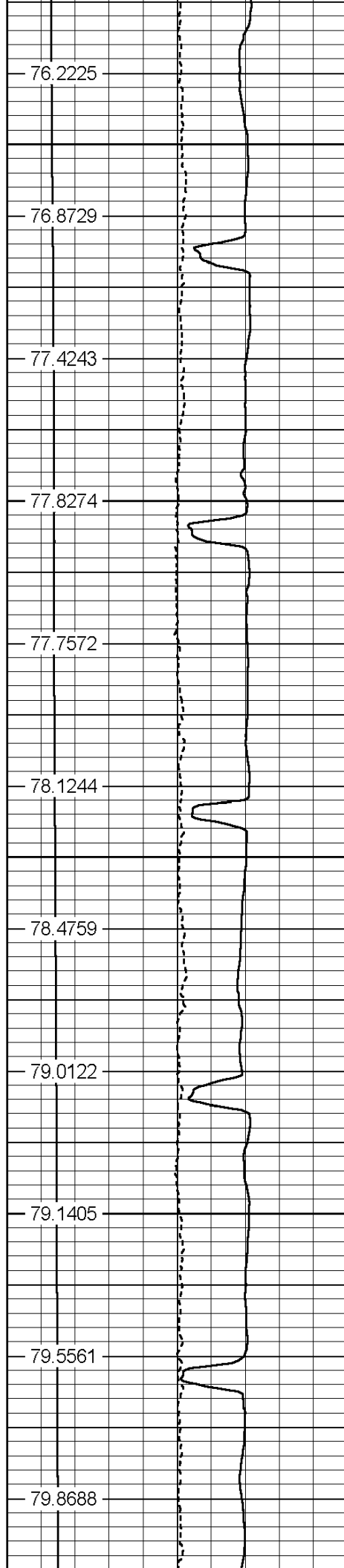
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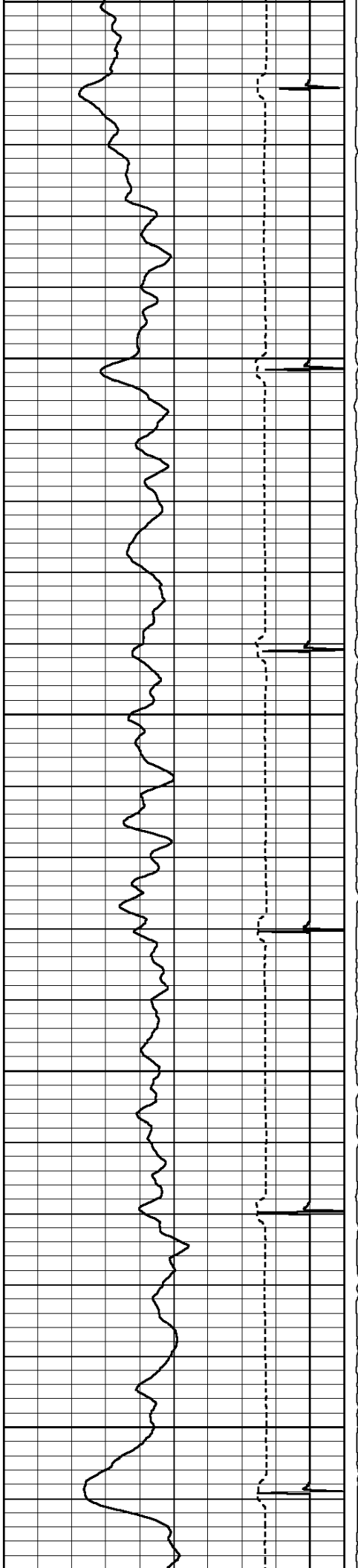




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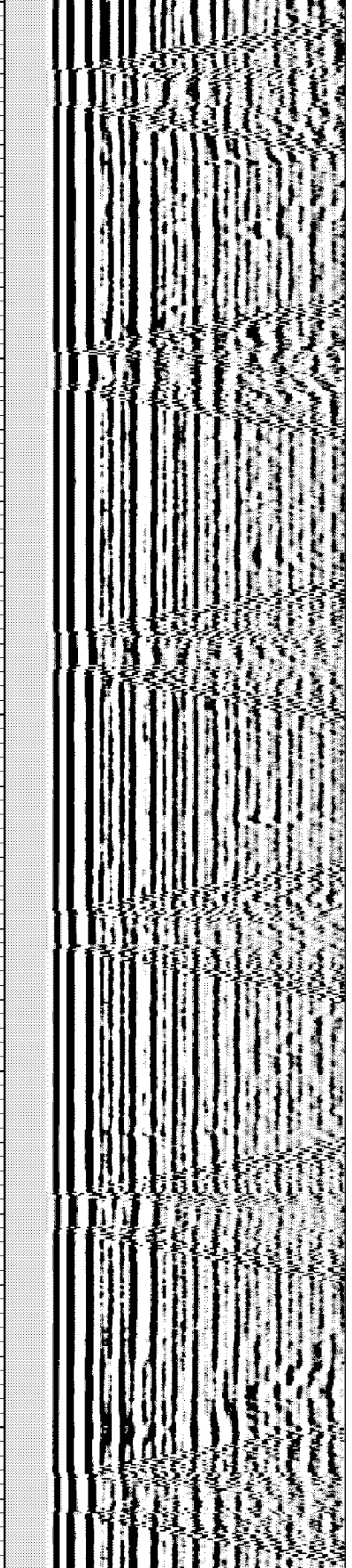
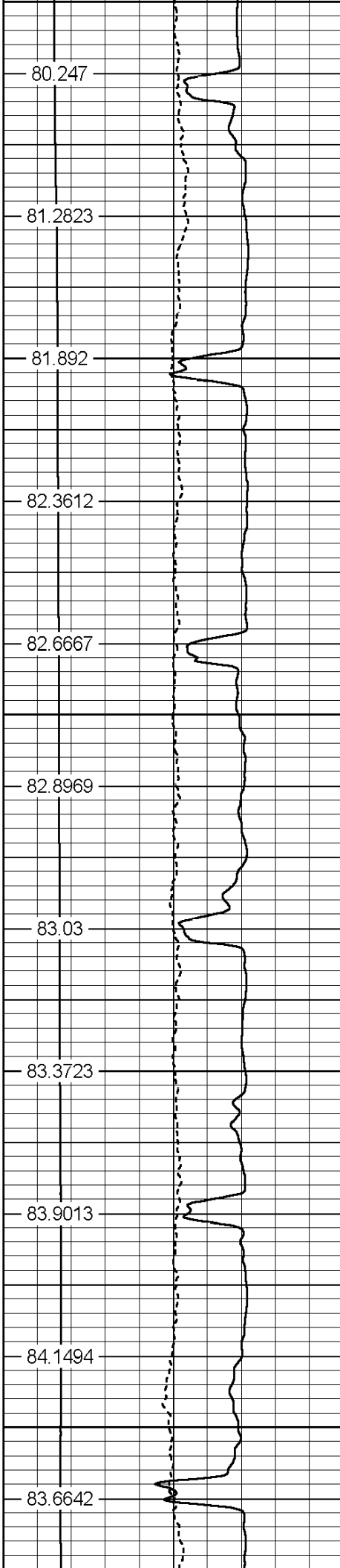
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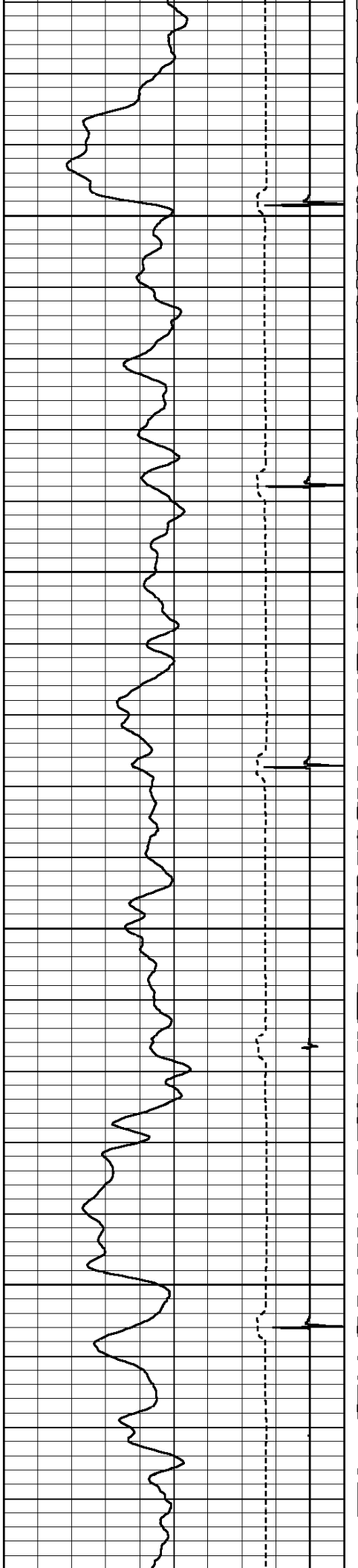




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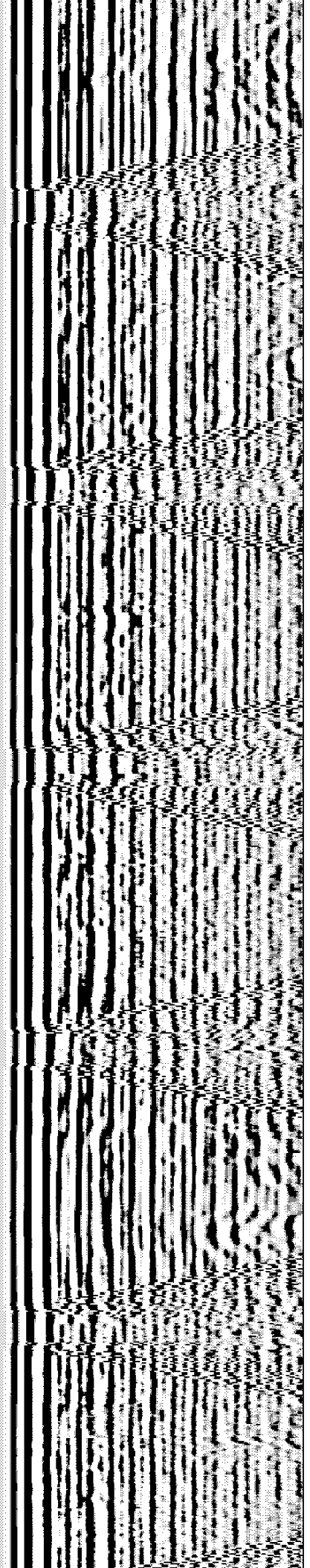
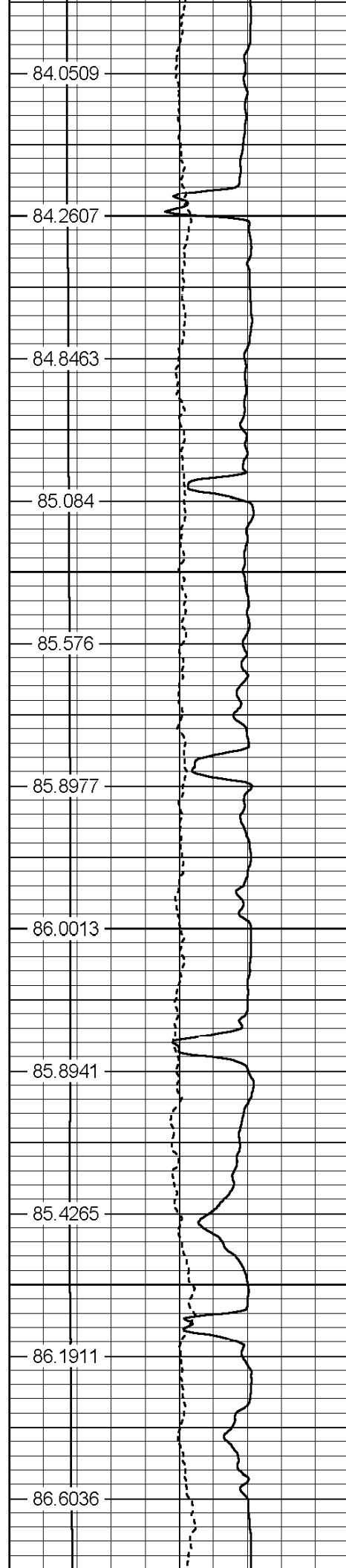
1100





1200

1300



1400

87.5722

87.614

87.6316

88.3092

88.6921

1500

88.6691

88.6715

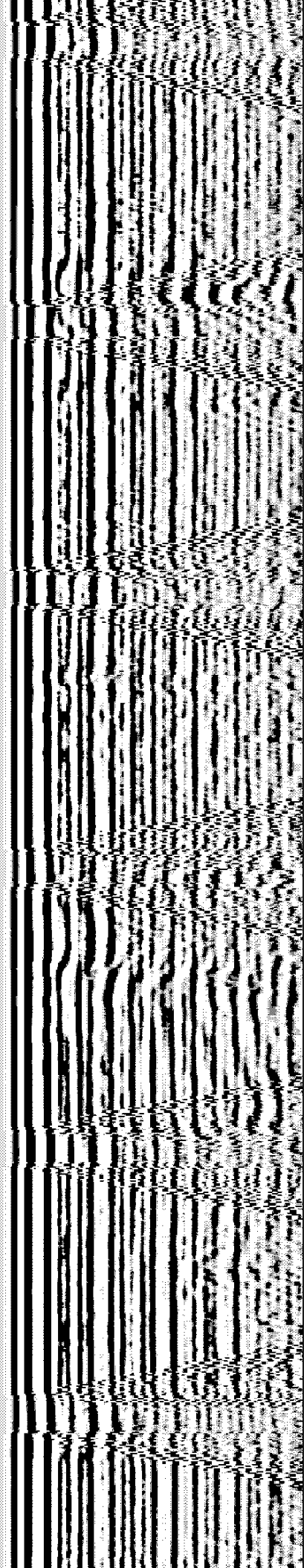
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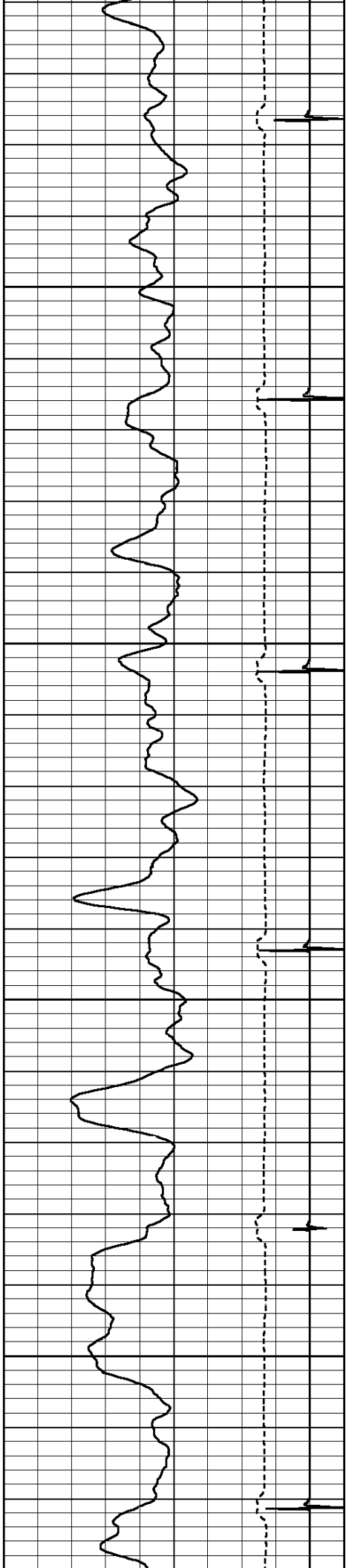
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1600

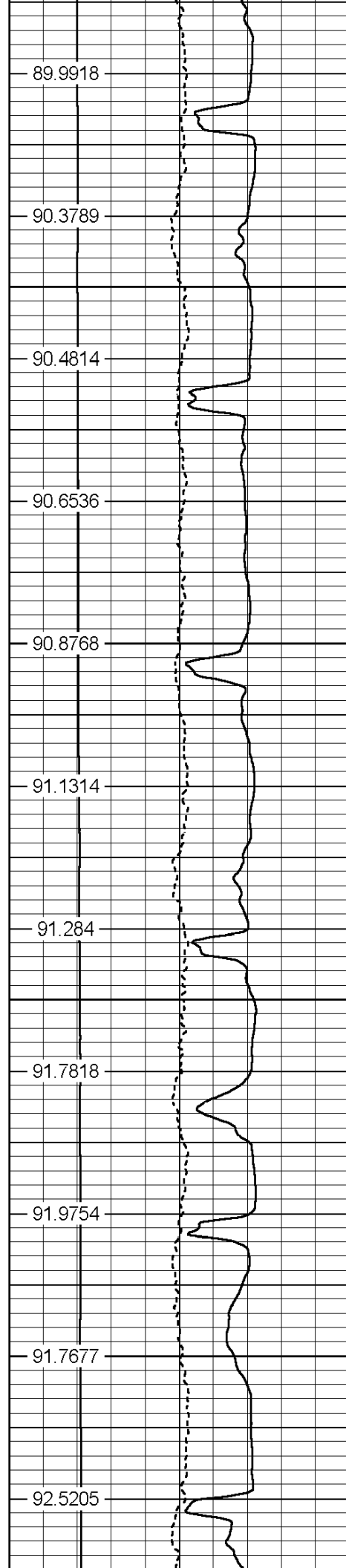
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1700

1800



89.9918

90.3789

90.4814

90.6536

90.8768

91.1314

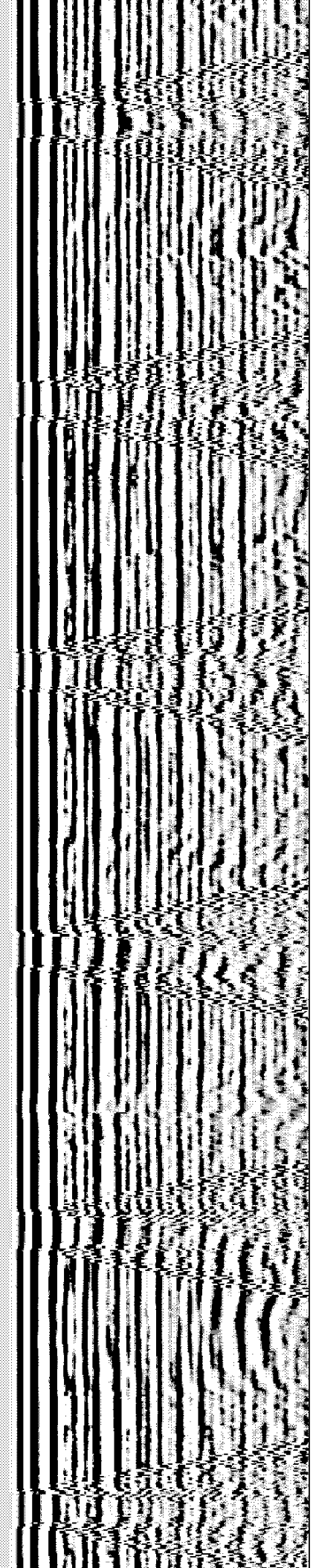
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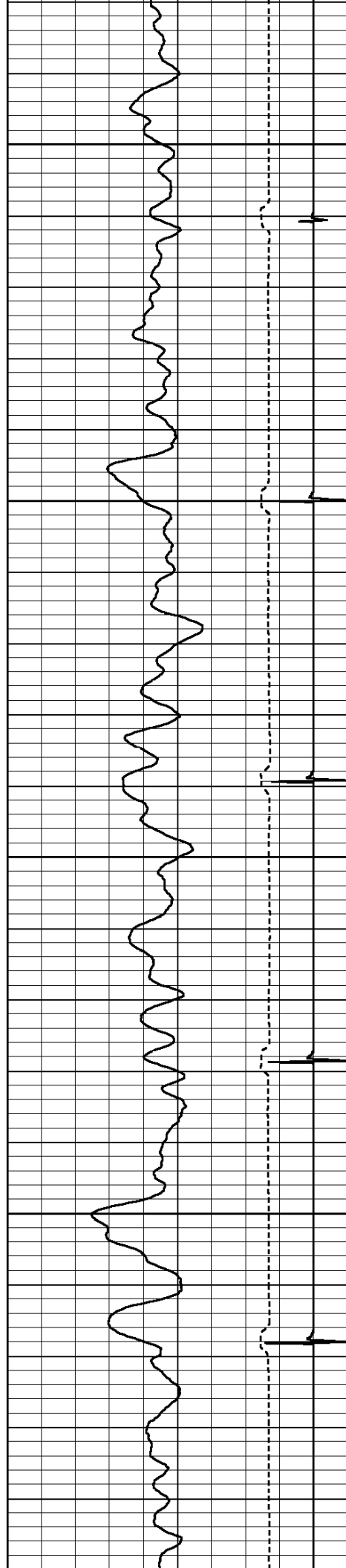
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91.9754

91.7677

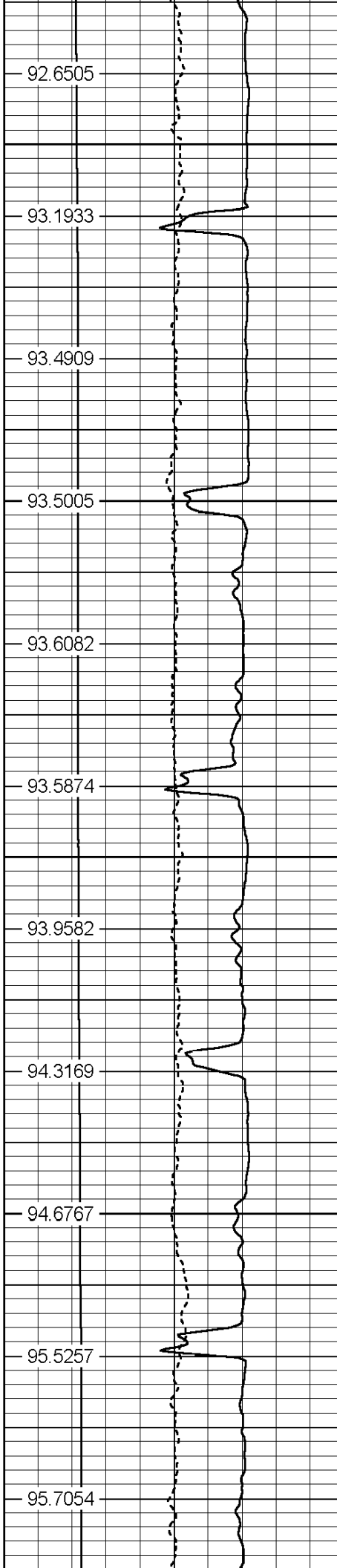
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1900

2000



92.6505

93.1933

93.4909

93.5005

93.6082

93.5874

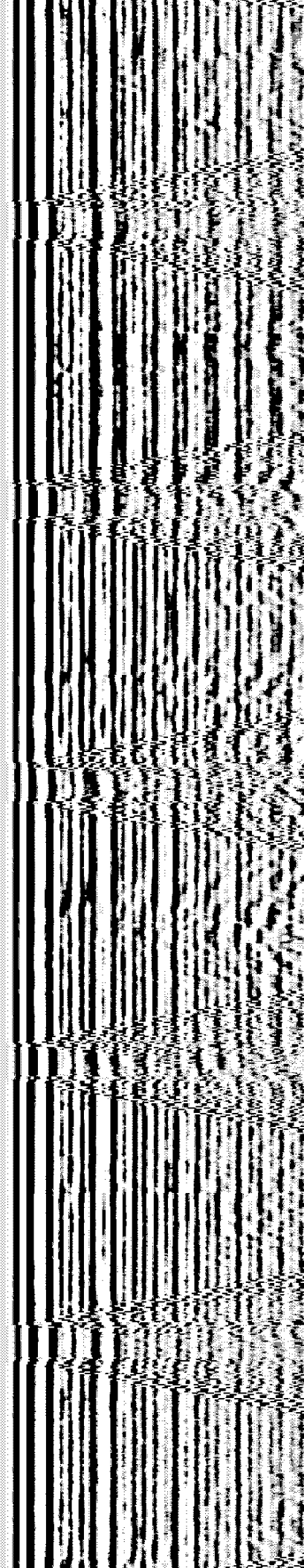
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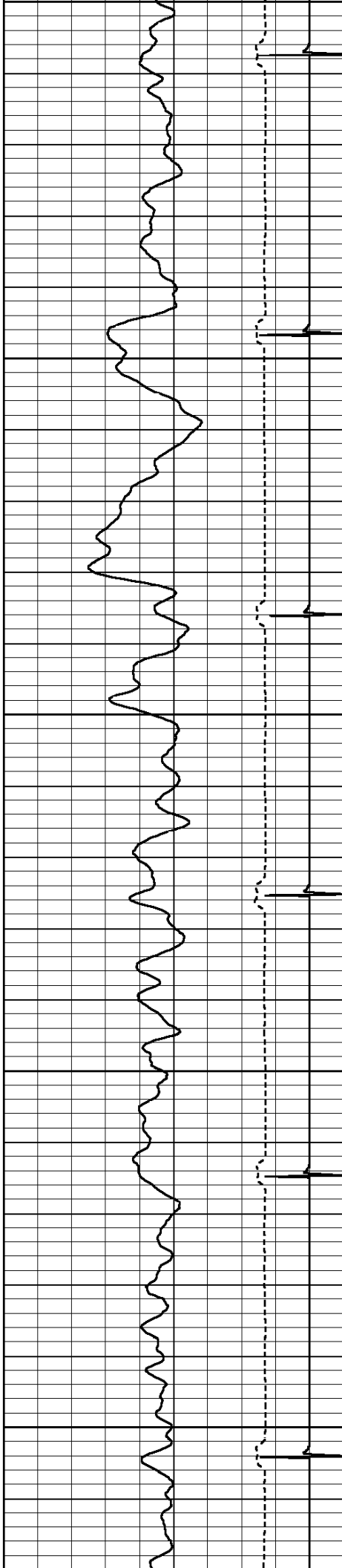
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94.6767

95.5257

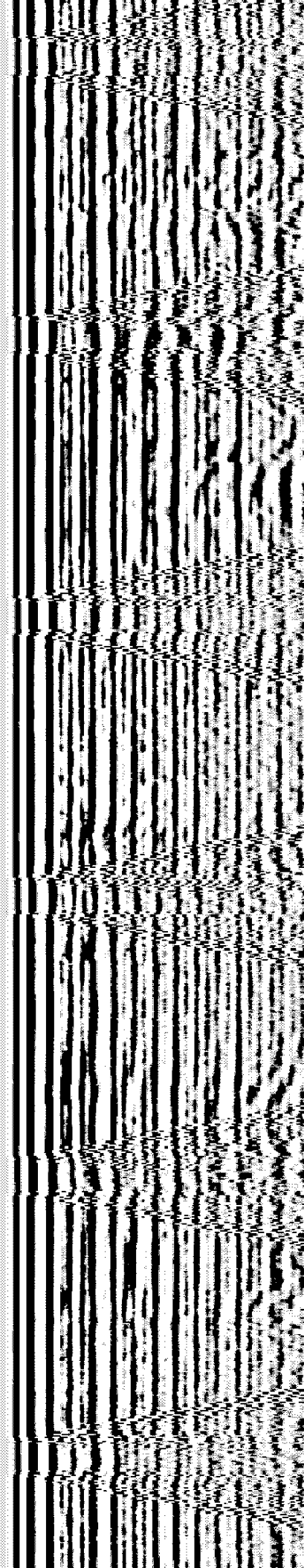
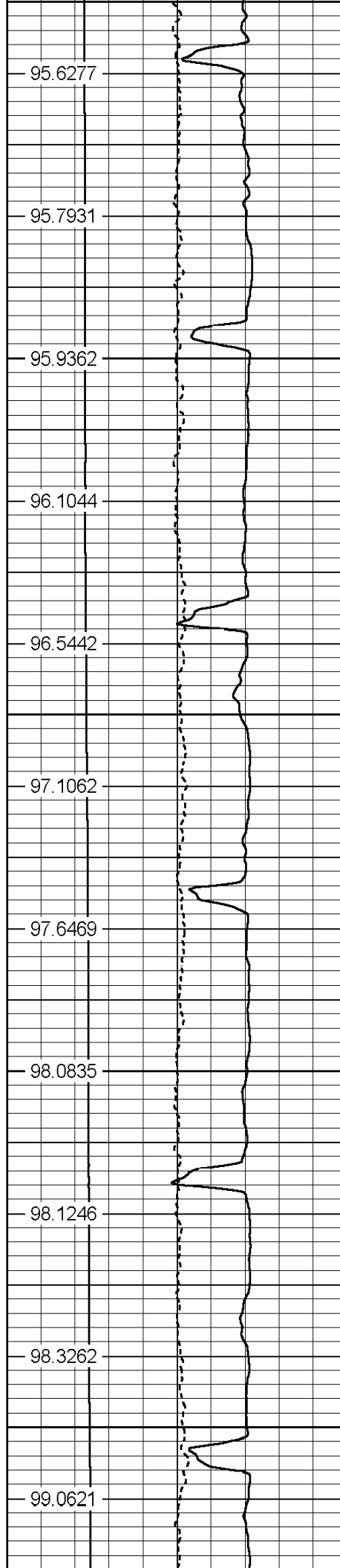
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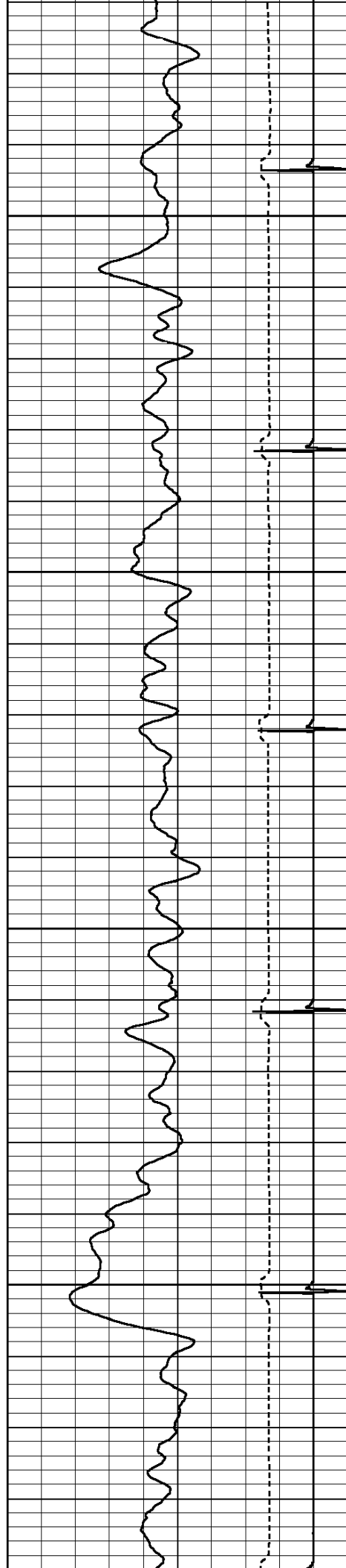




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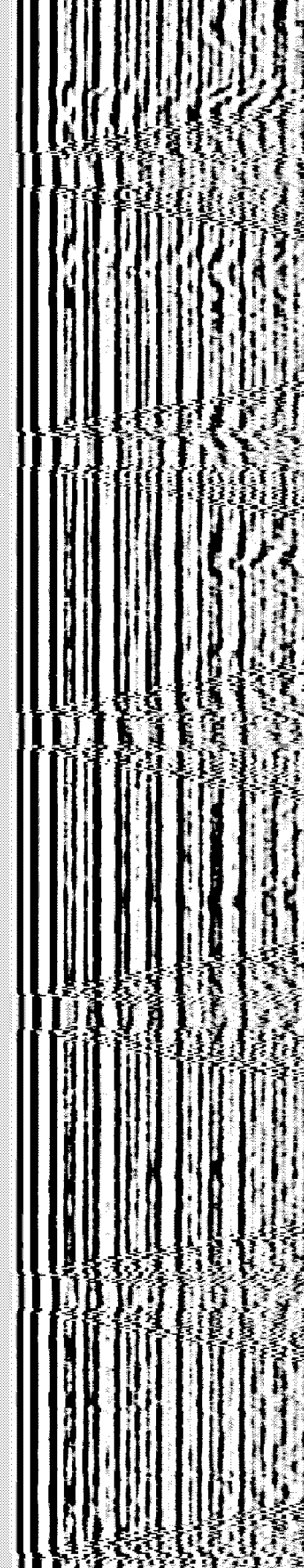
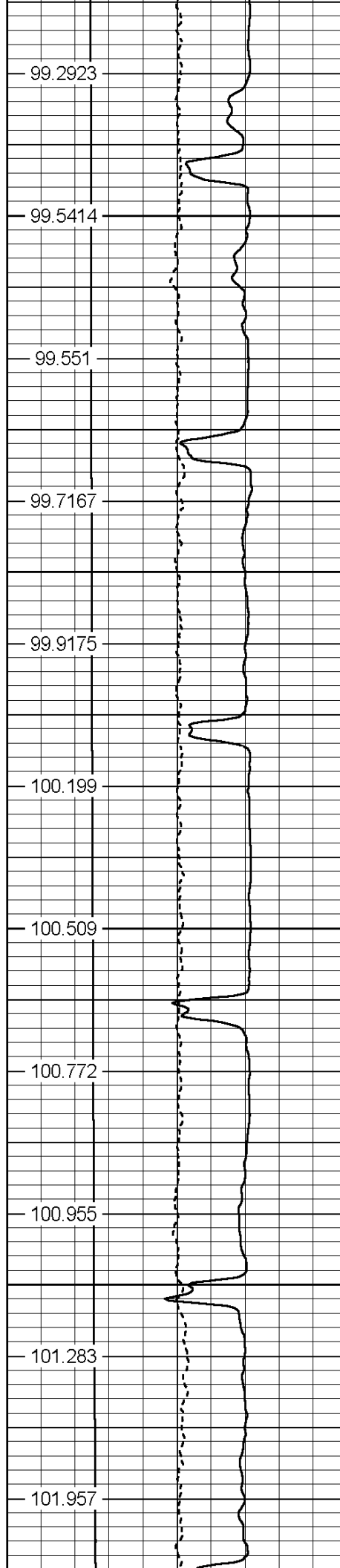
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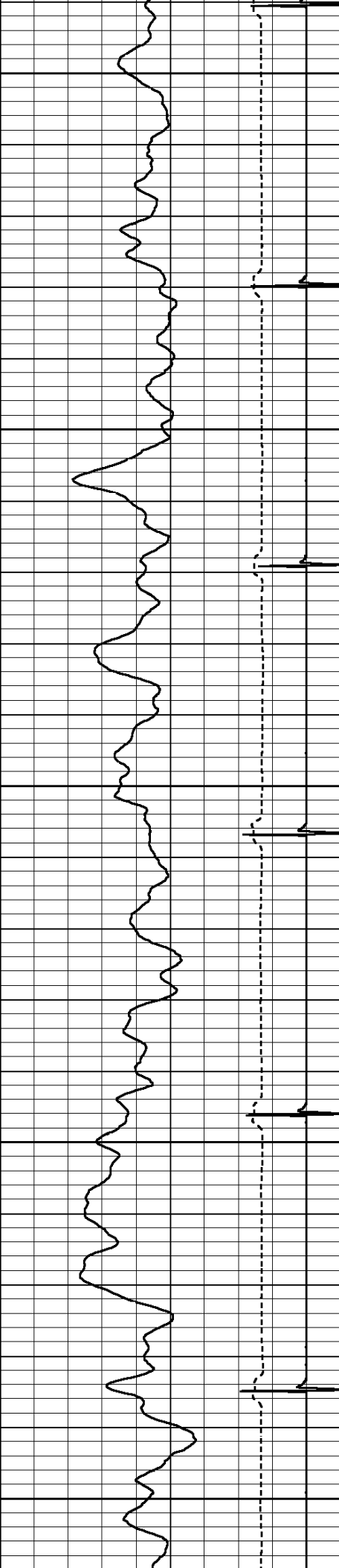




2300

2400





2500

2600

2700

102.108

102.359

102.539

102.7

102.712

103.094

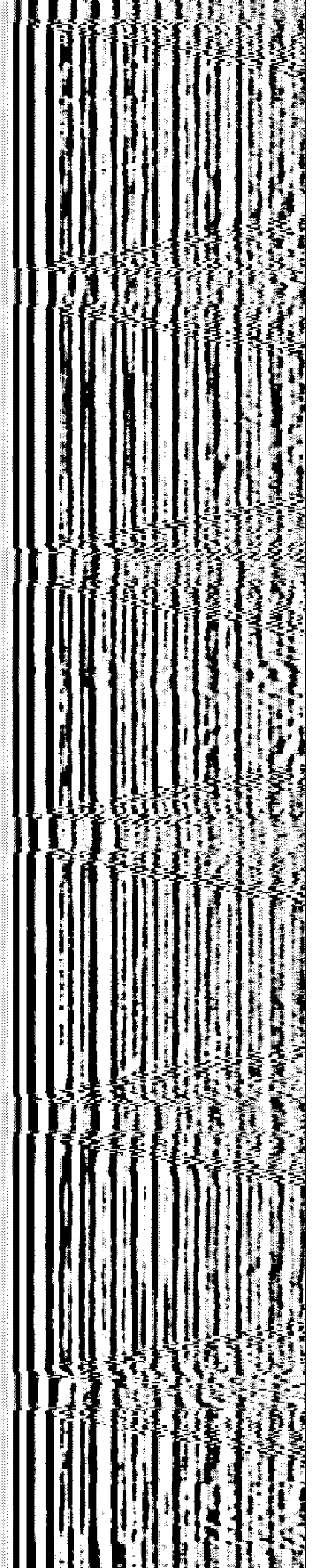
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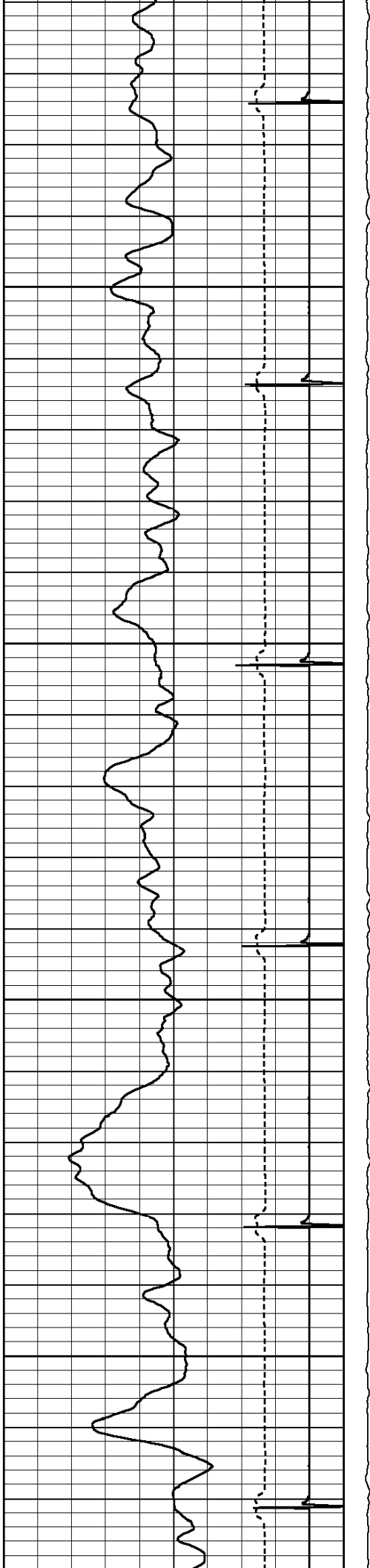
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104.144

104.253

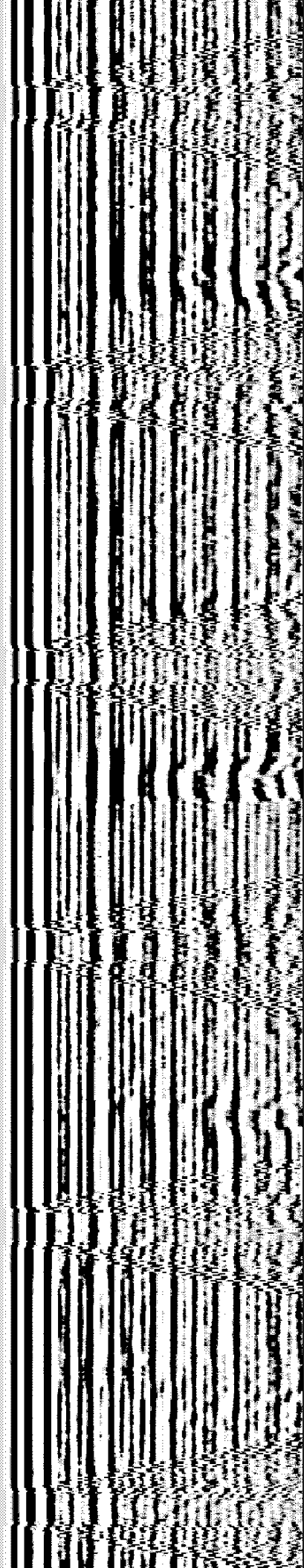
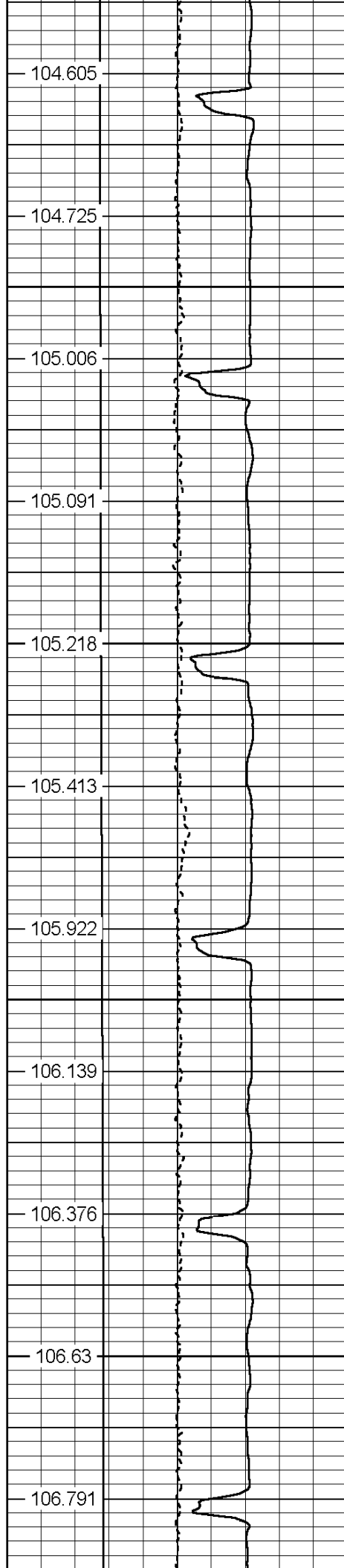
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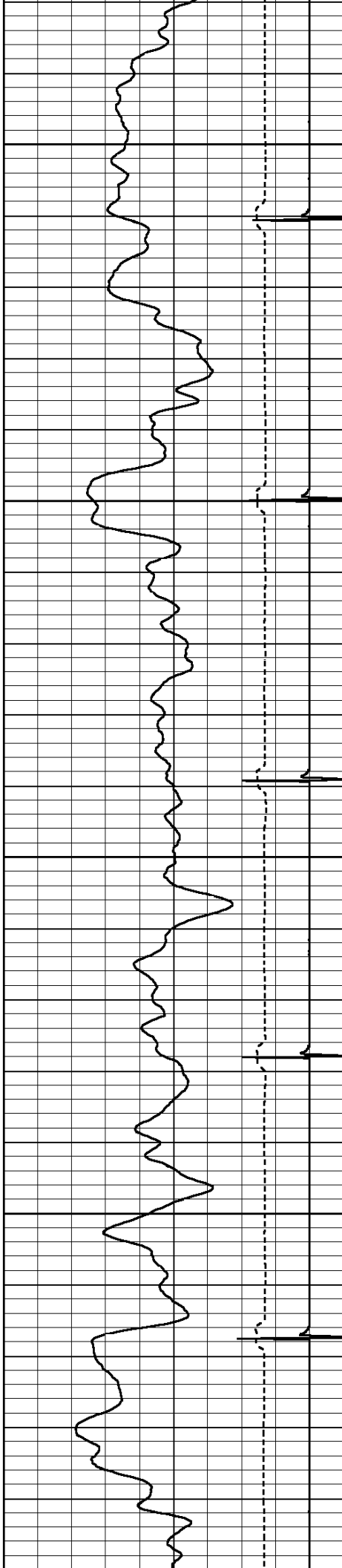




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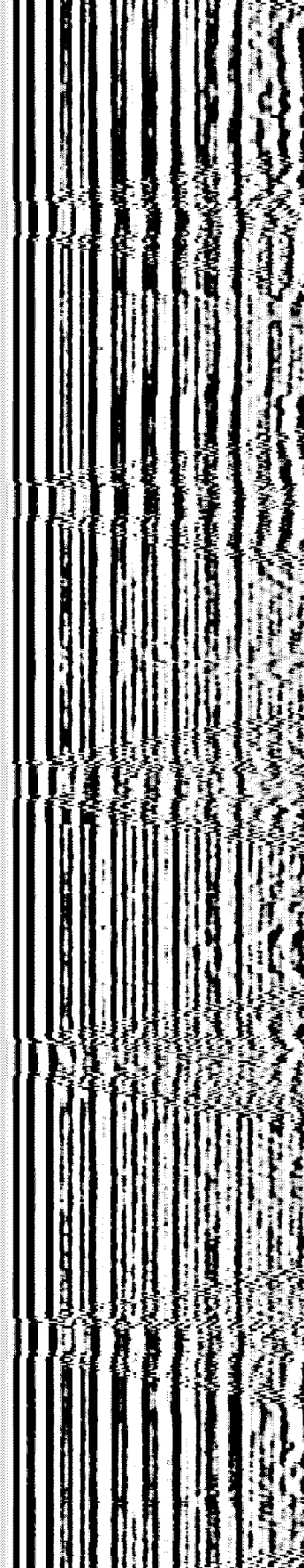
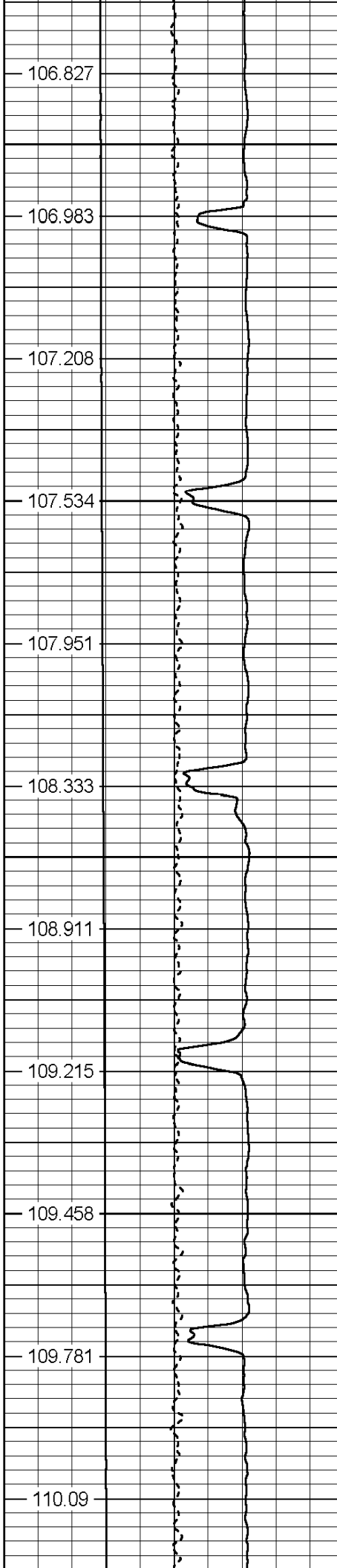
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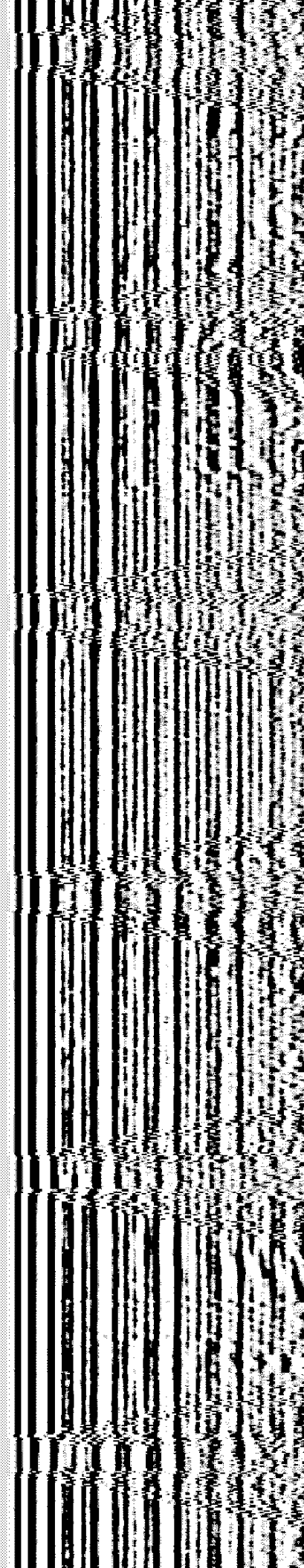
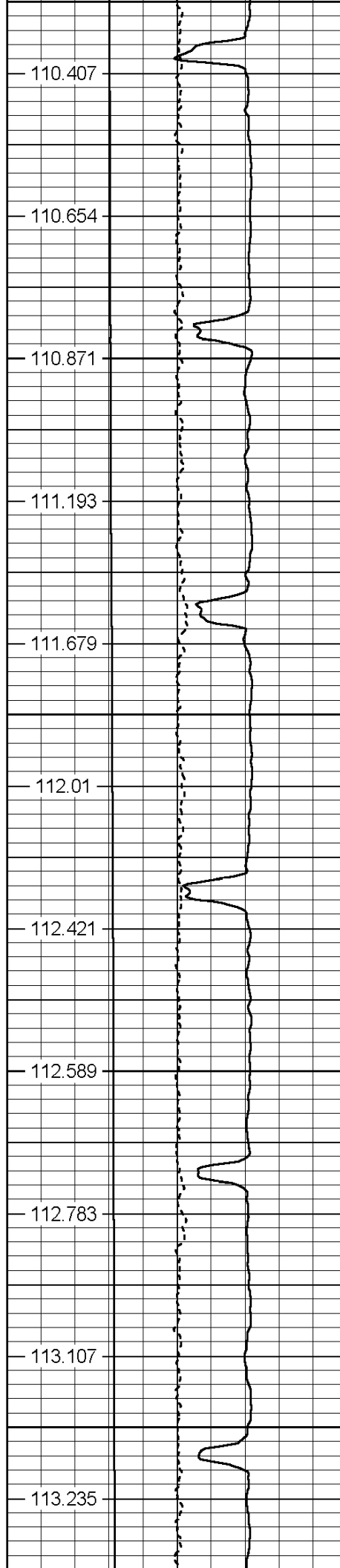
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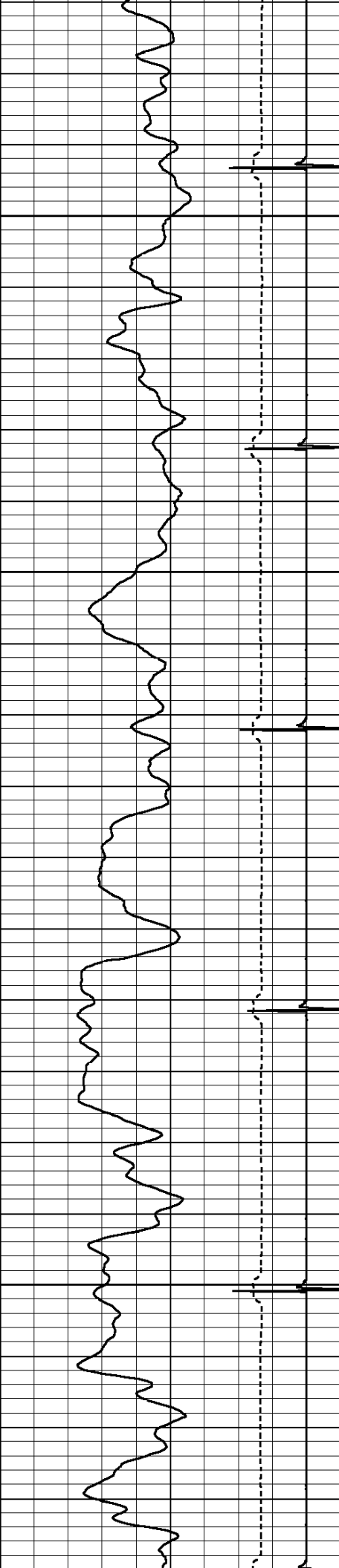




3200

3300





3400

3500

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113.912

114.173

114.808

115.104

115.454

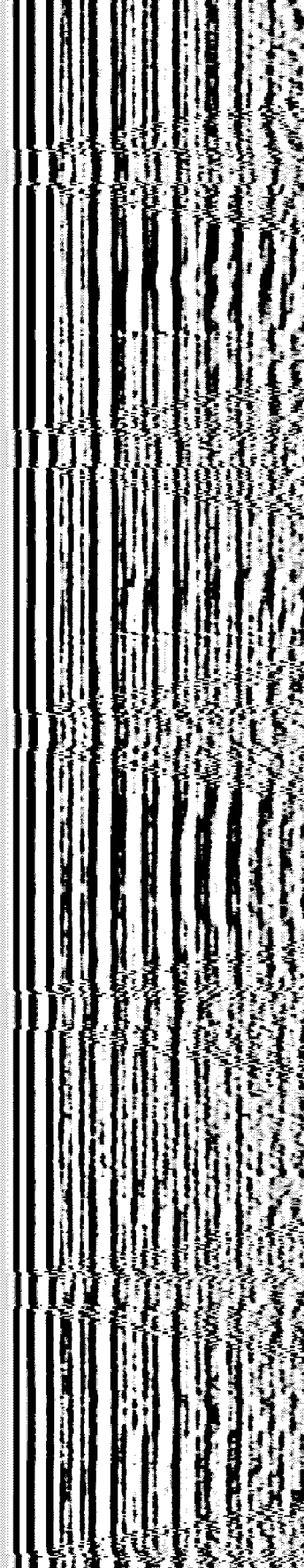
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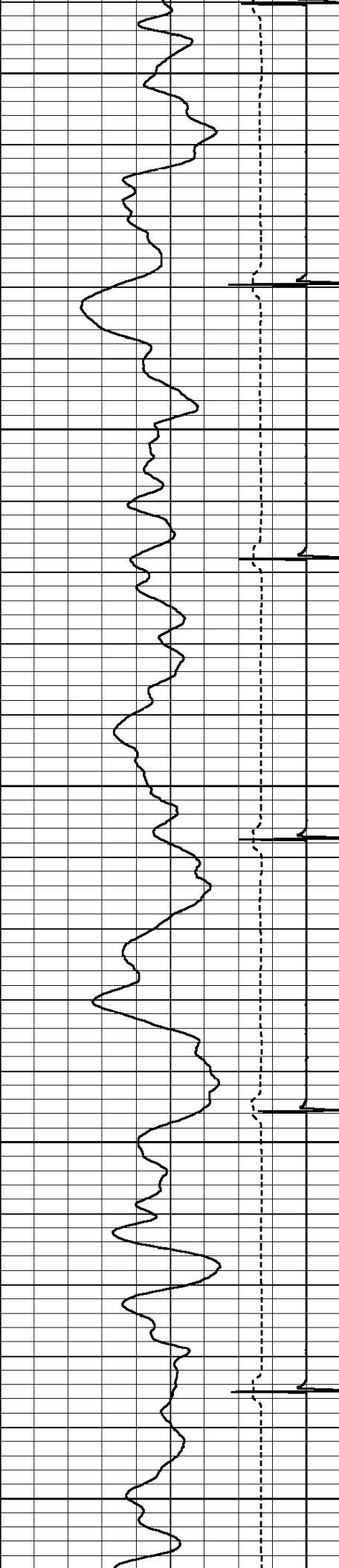
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116.313

116.545

116.774





3600

3700

3800

117.263

117.772

118.393

118.676

118.896

119.008

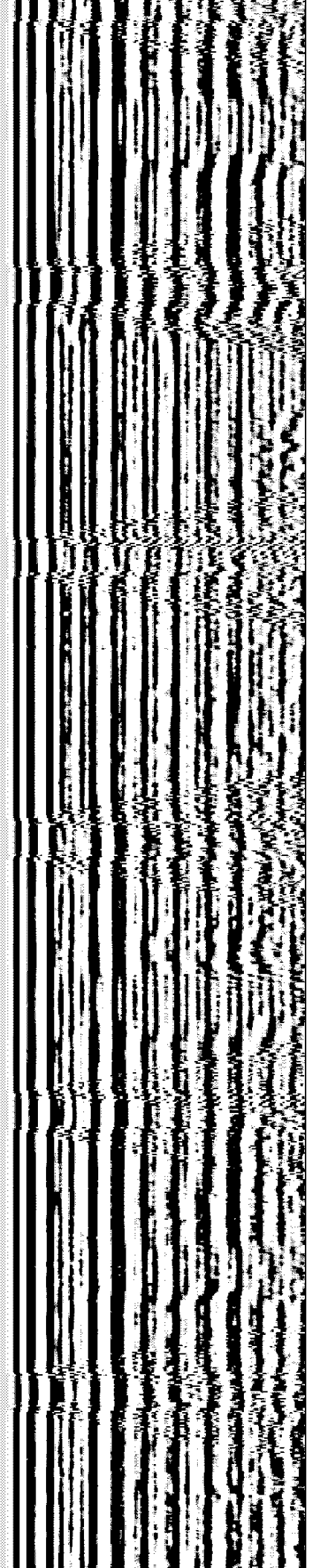
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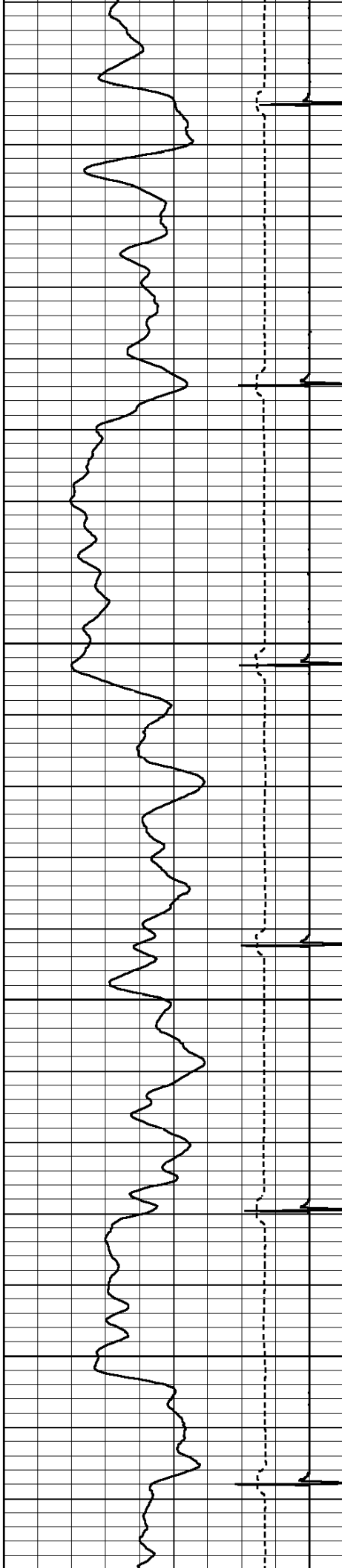
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120.454

120.686

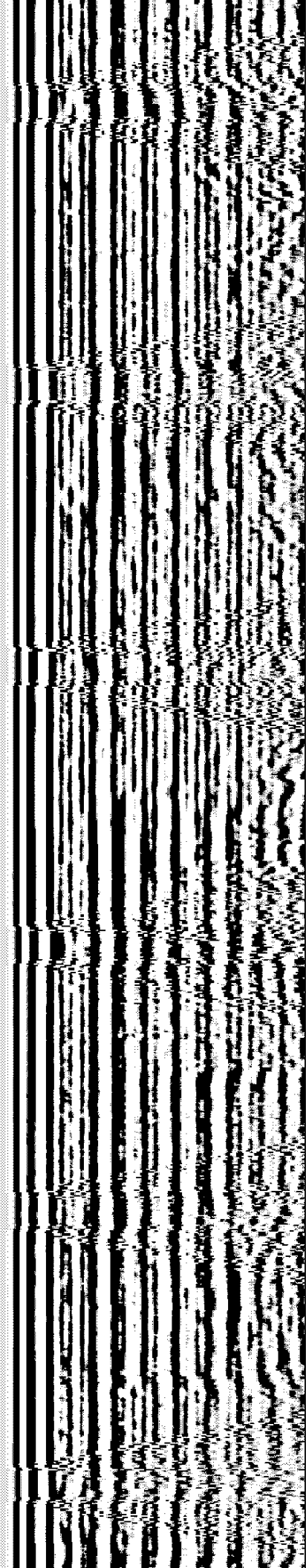
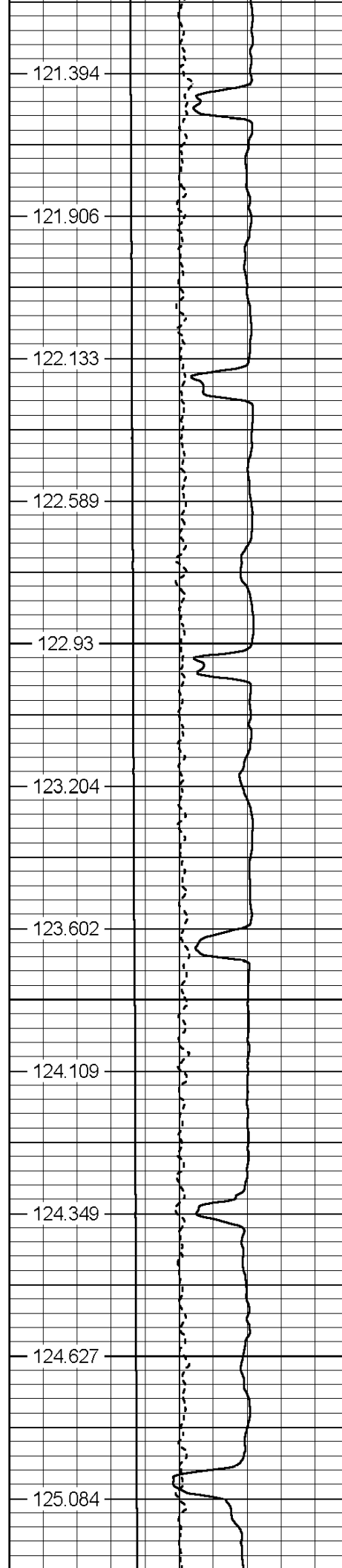
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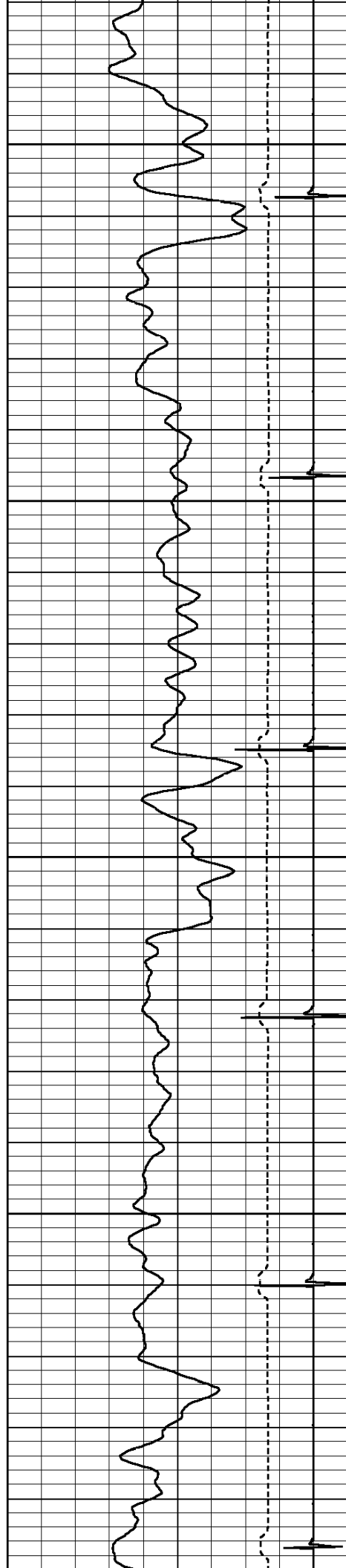




3900

4000





4100

4200

125.296

125.671

126.071

126.42

126.53

126.642

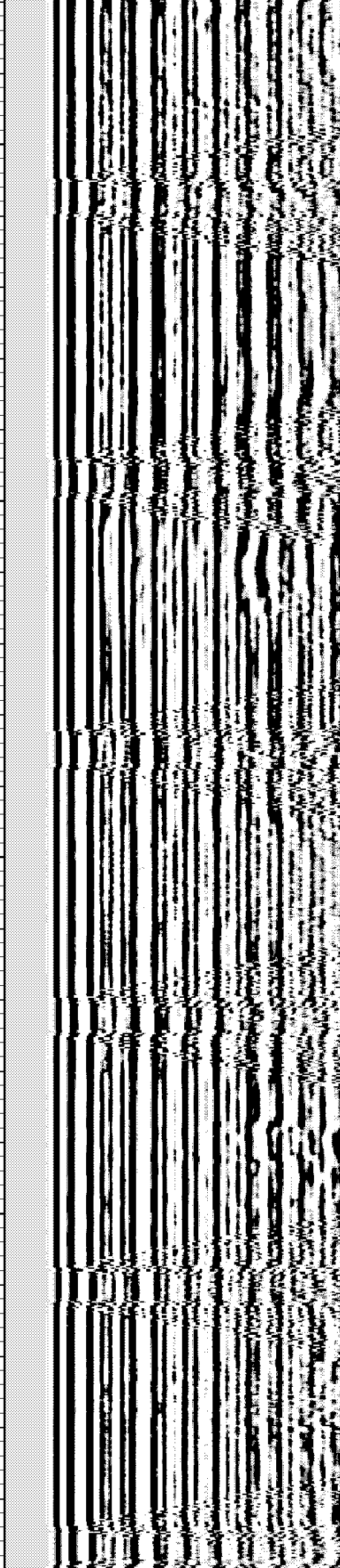
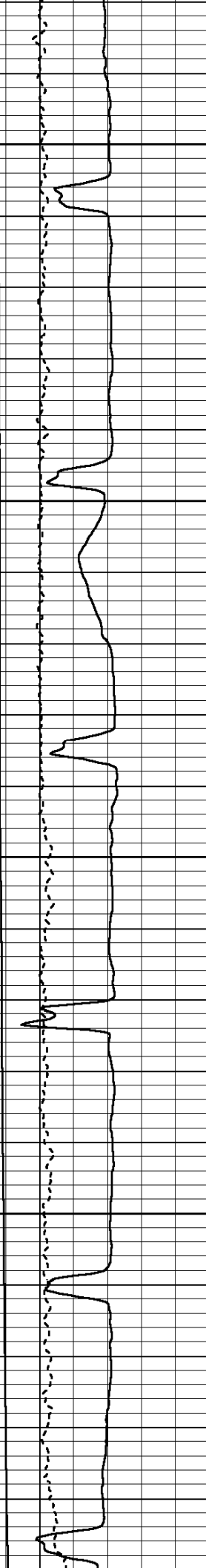
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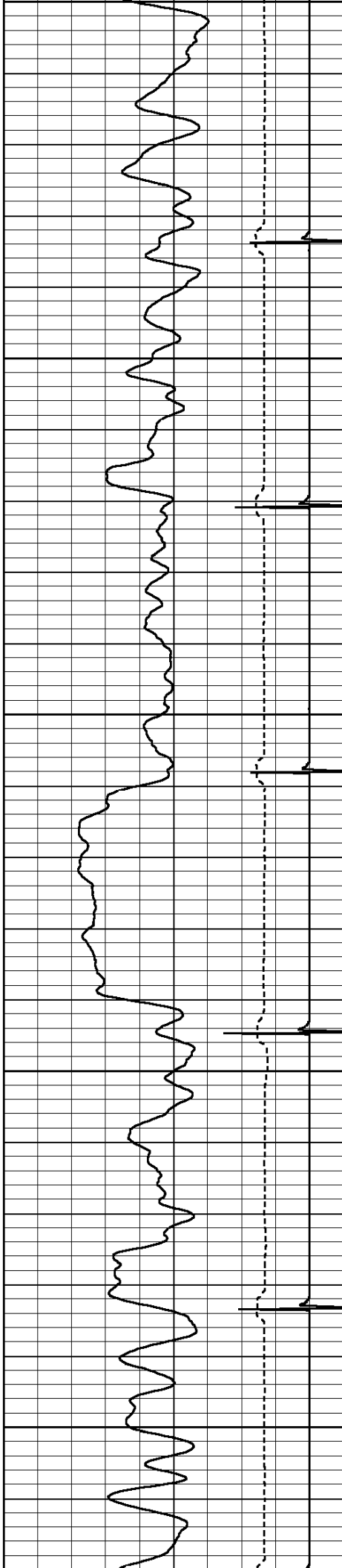
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129.542

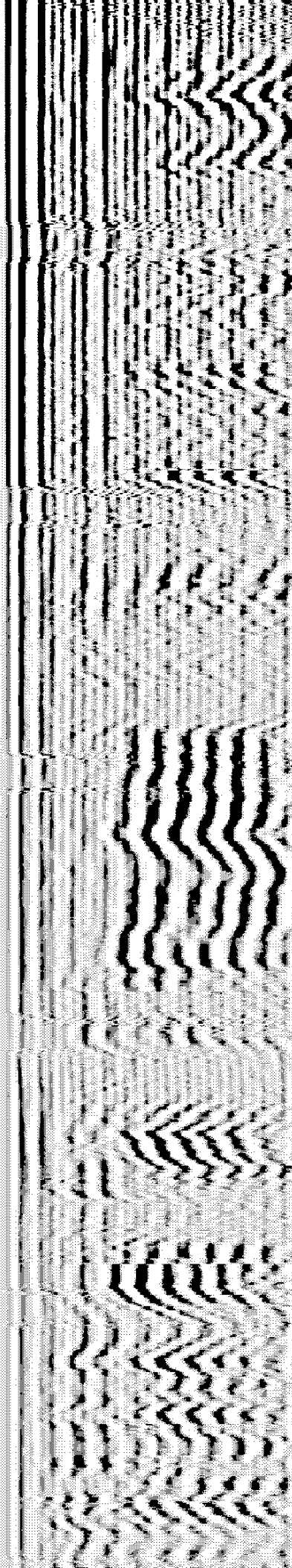
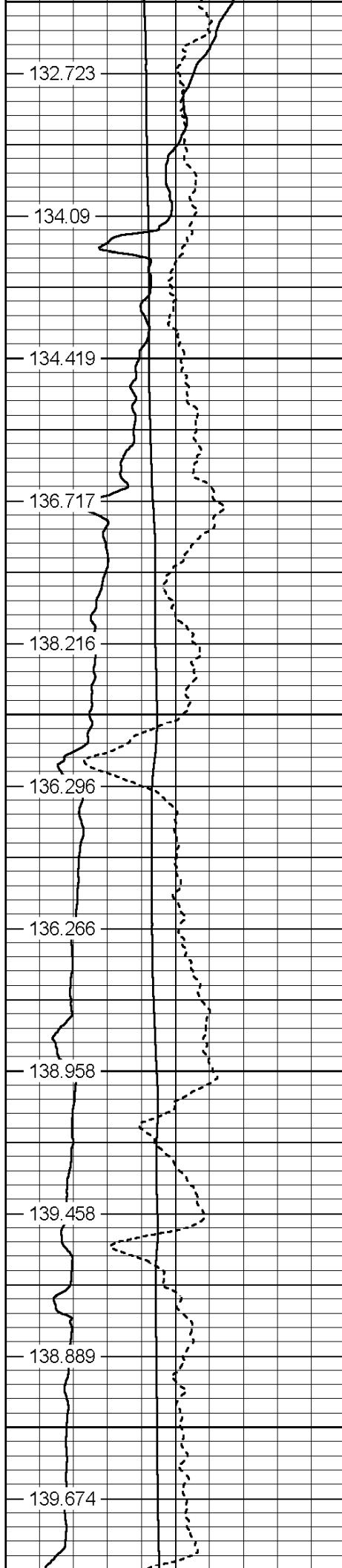
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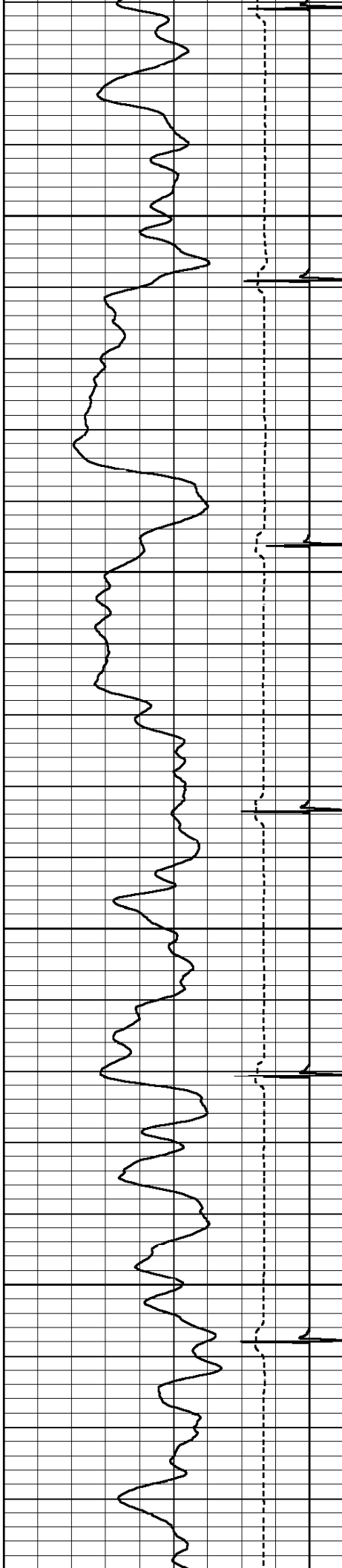




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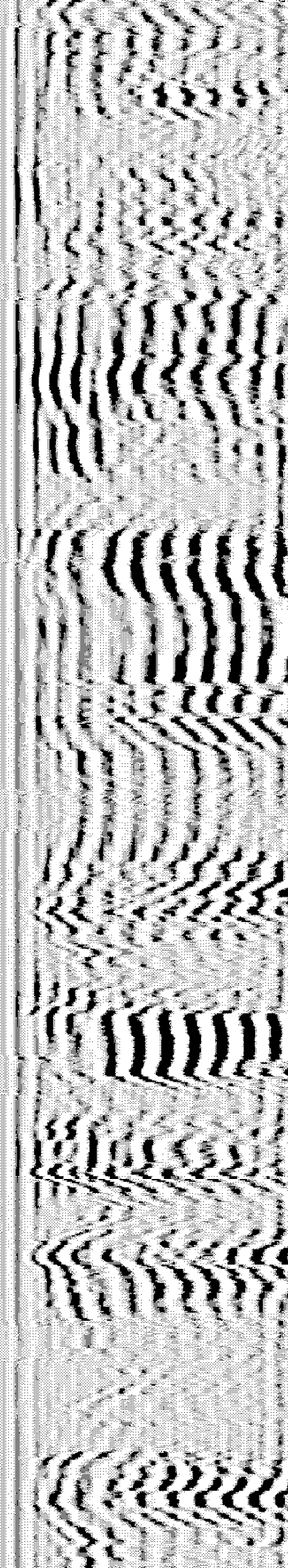
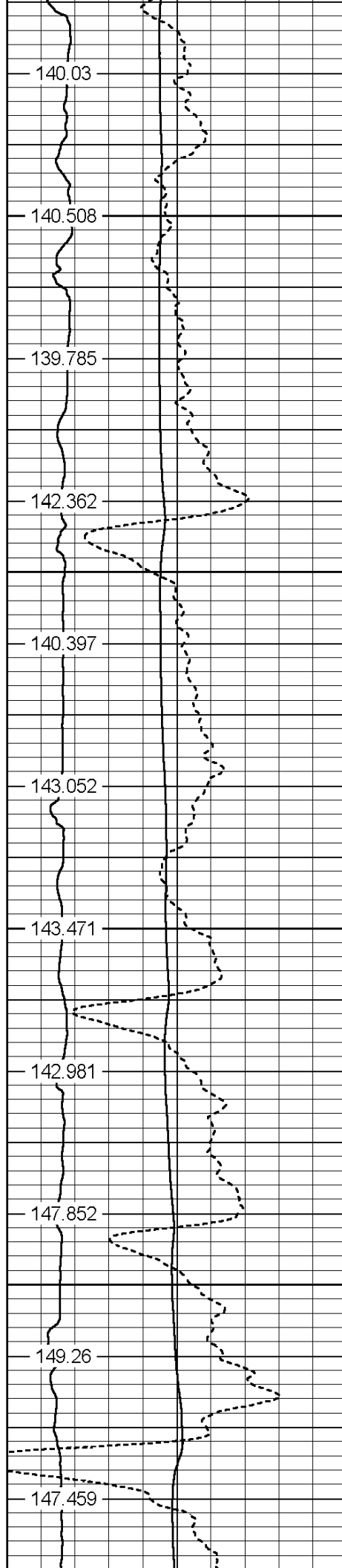
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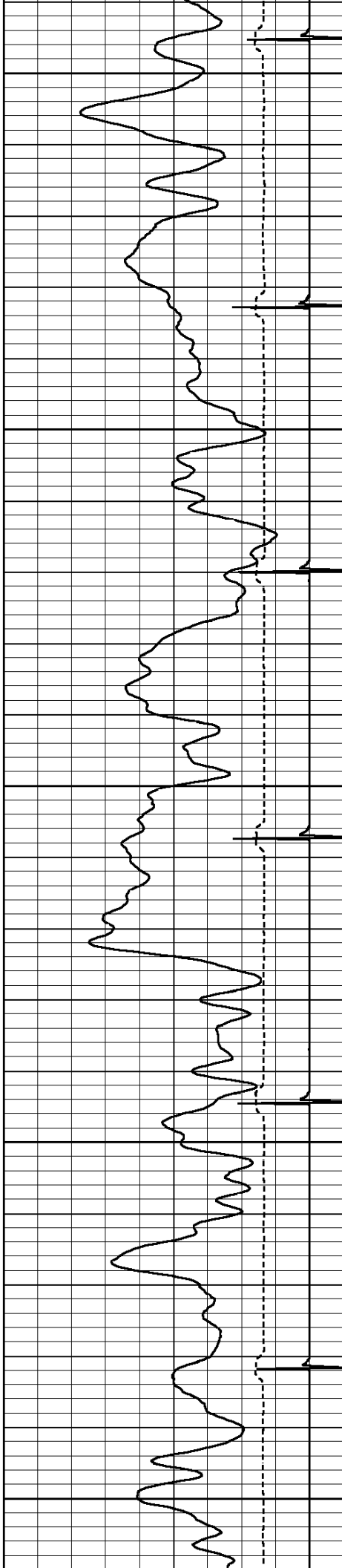




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4600

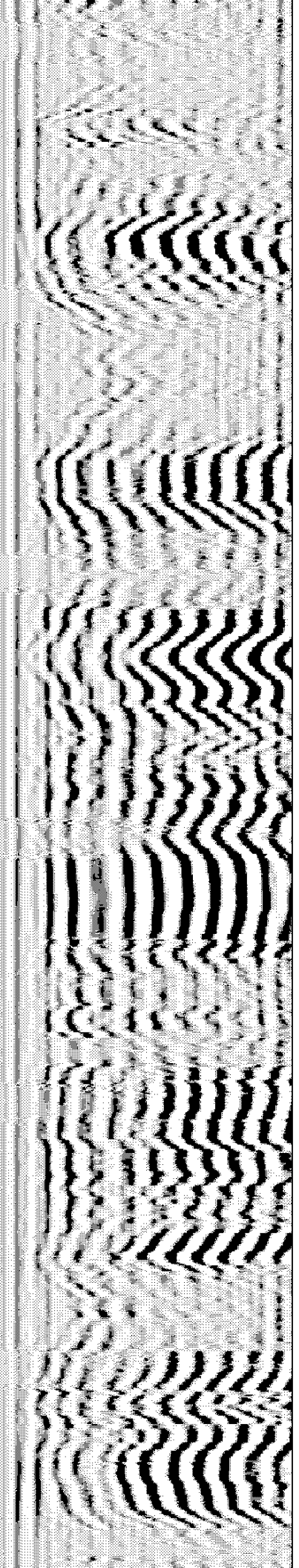
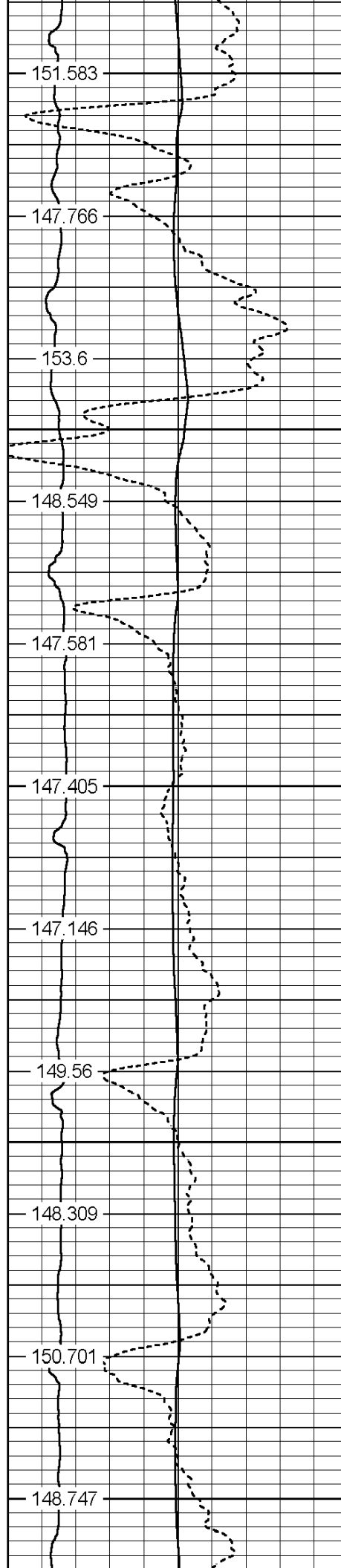


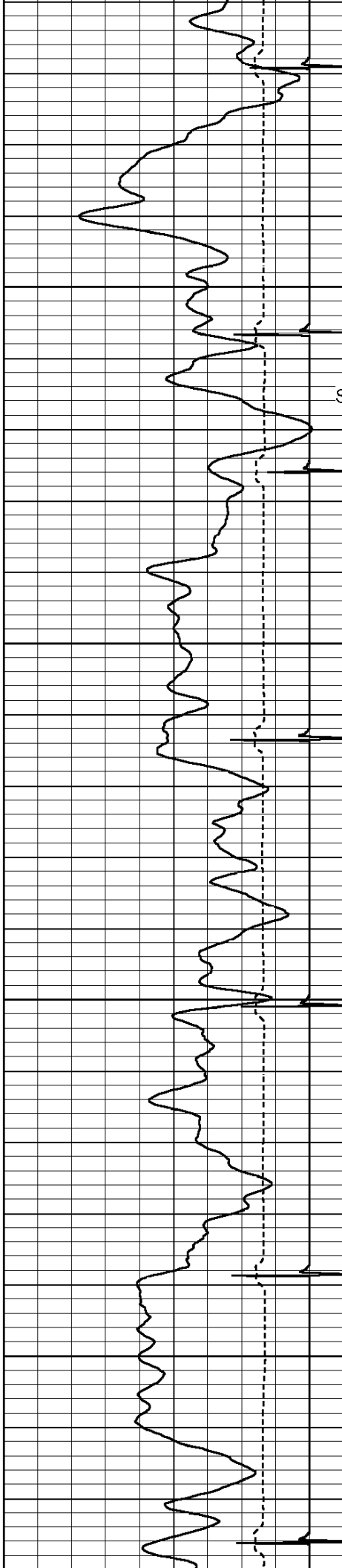


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4800

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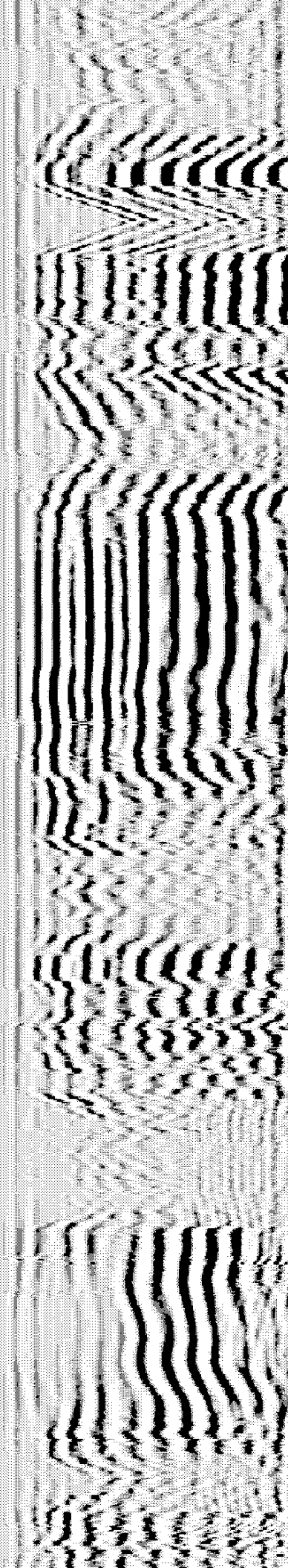
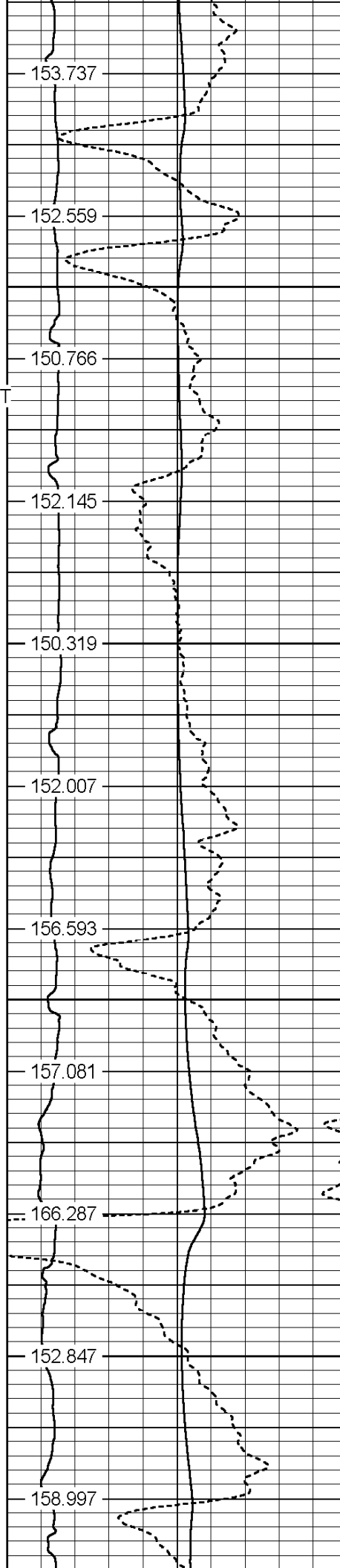


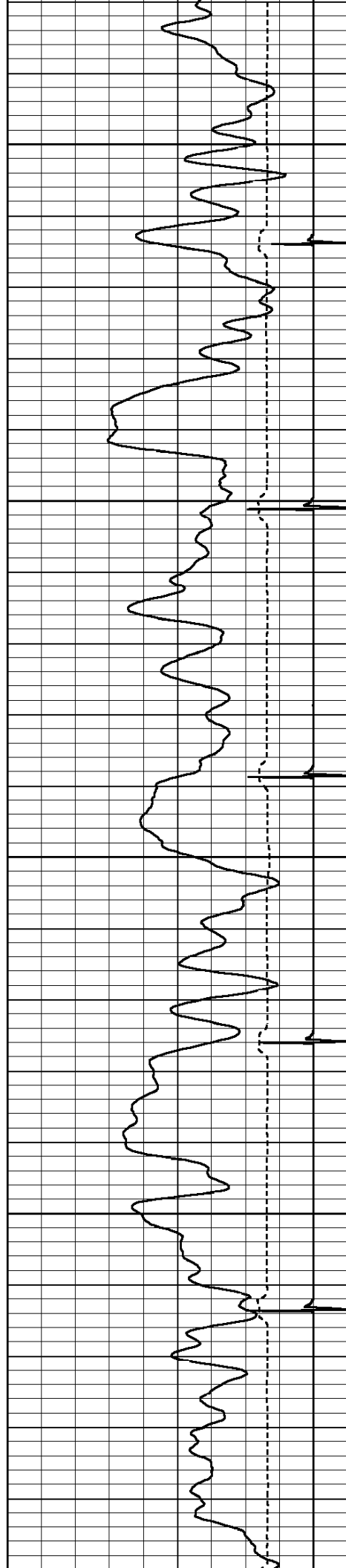


SHORT JOINT

5000

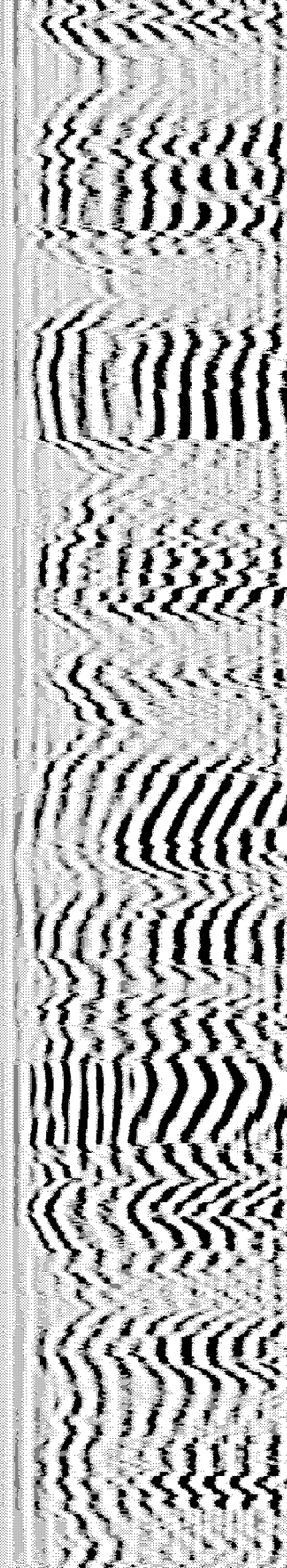
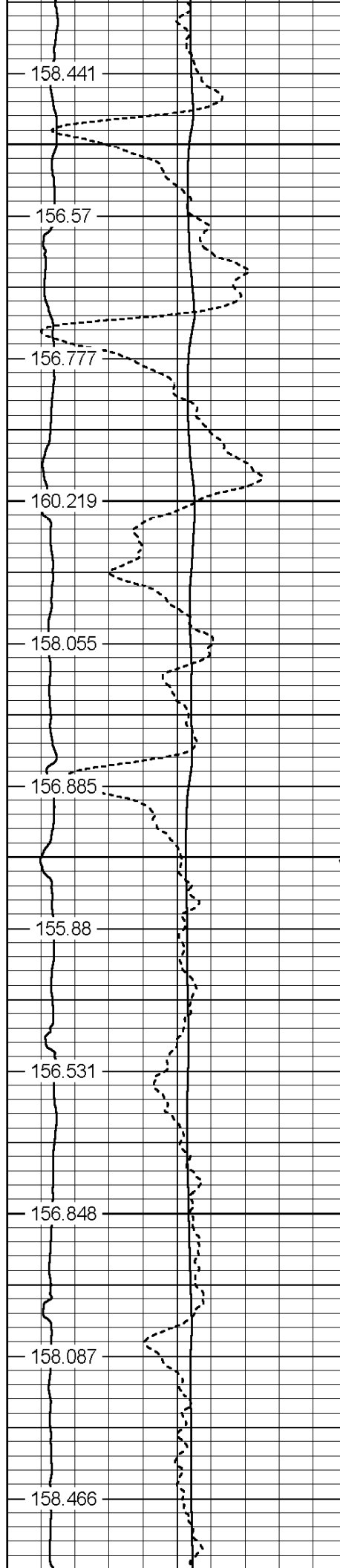
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5200

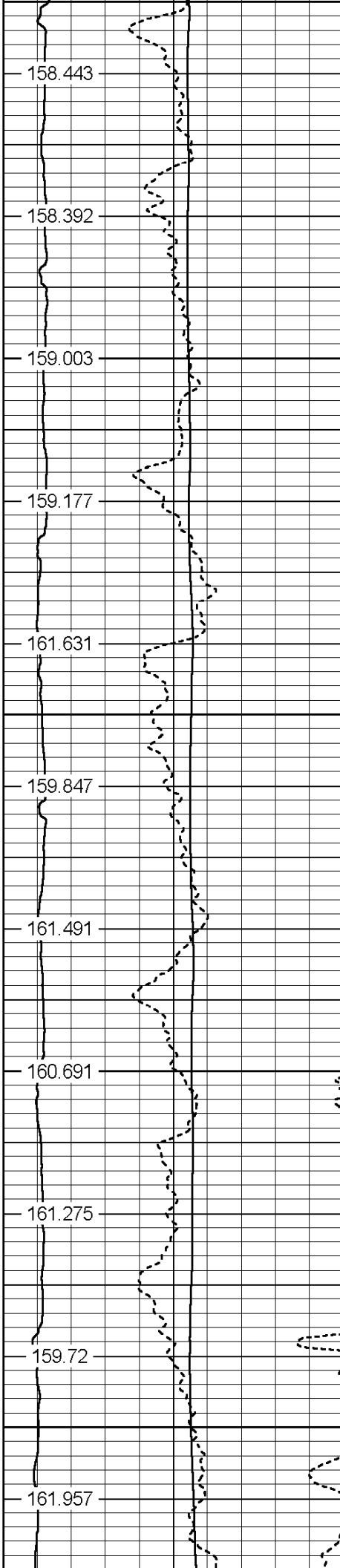
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5400

5500



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158.392

159.003

159.177

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159.847

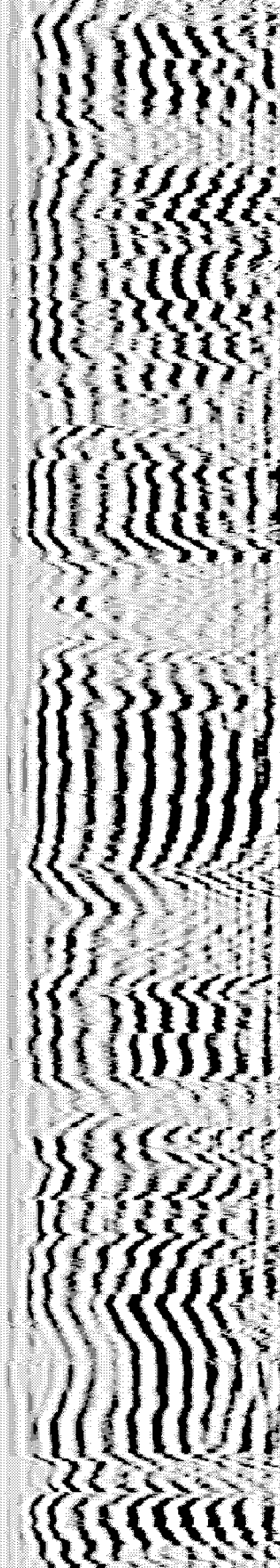
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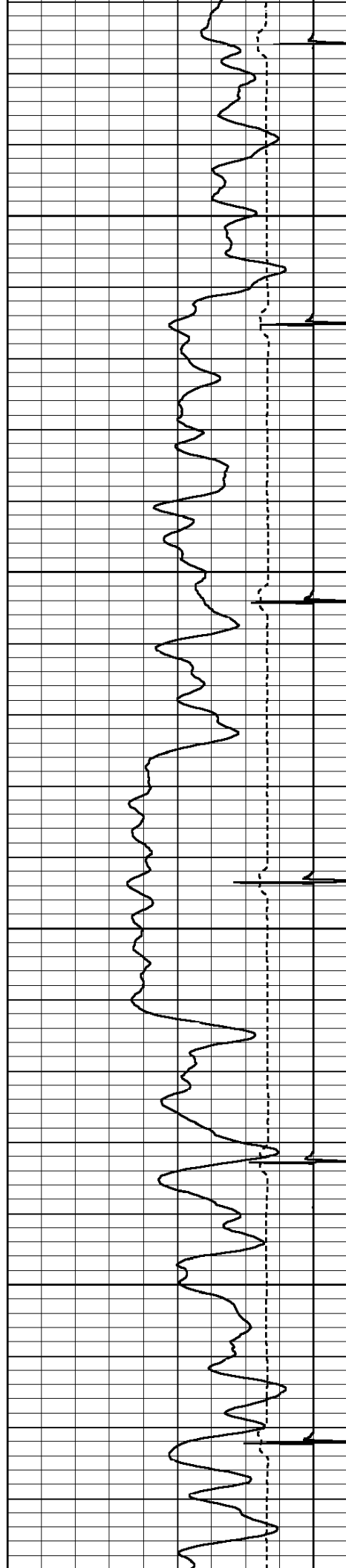
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159.72

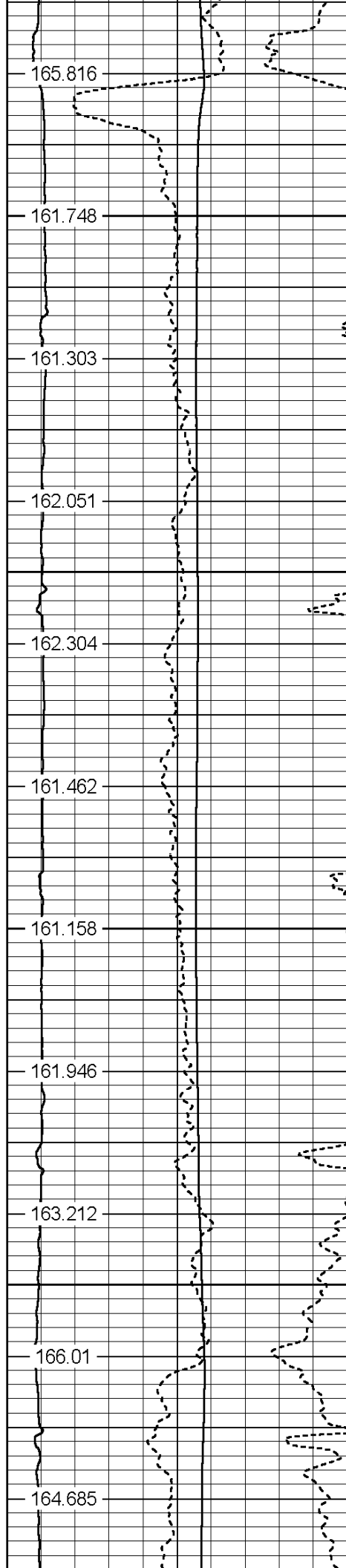
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5600

5700



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162.051

162.304

161.462

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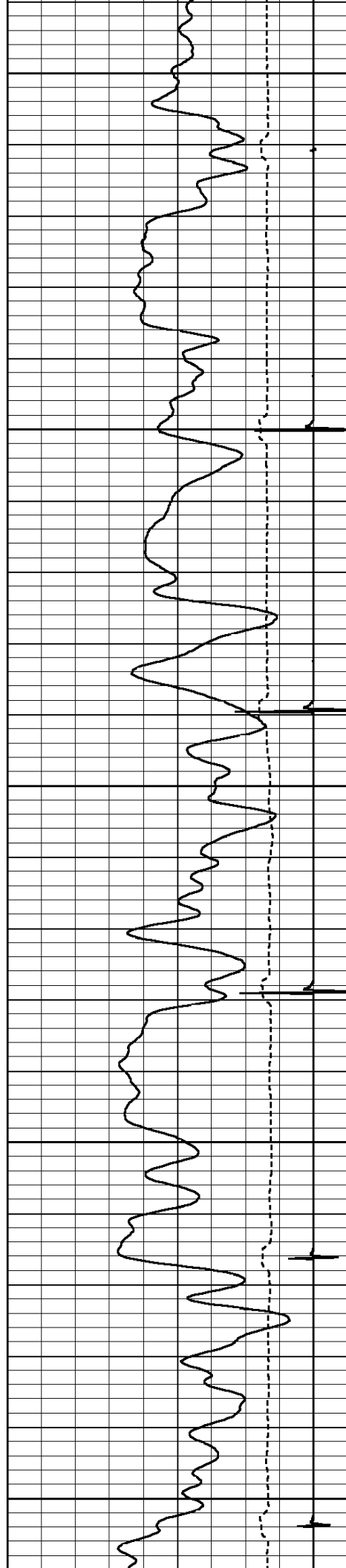
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166.01

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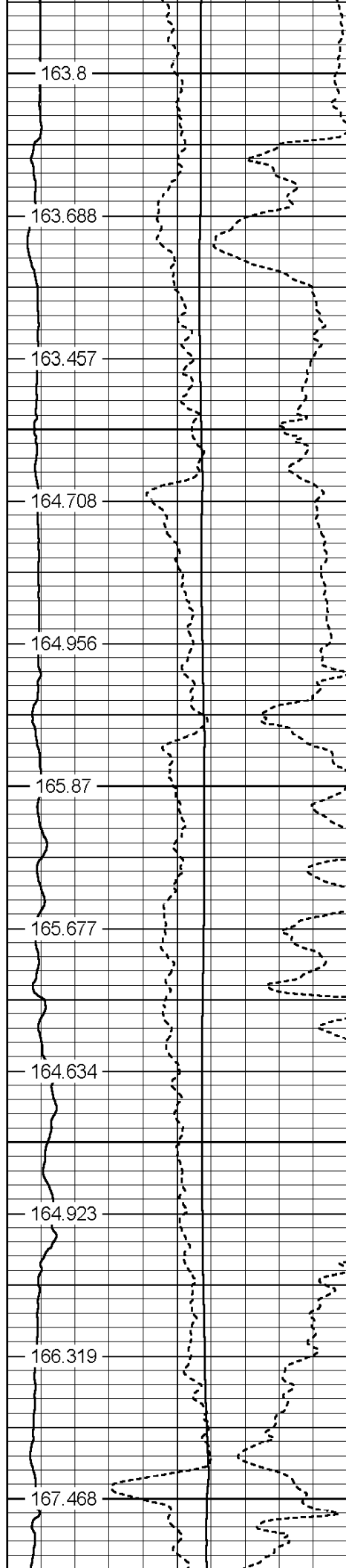




5800

5900

6000



163.8

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163.457

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164.956

165.87

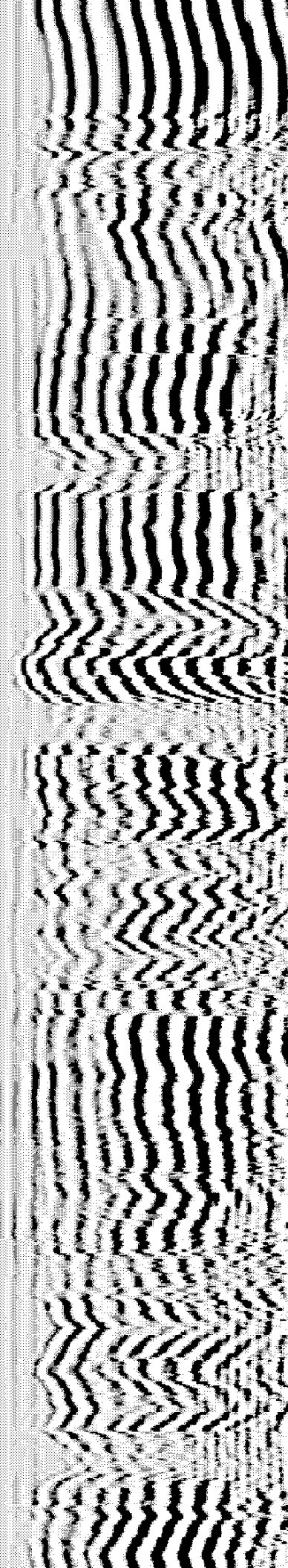
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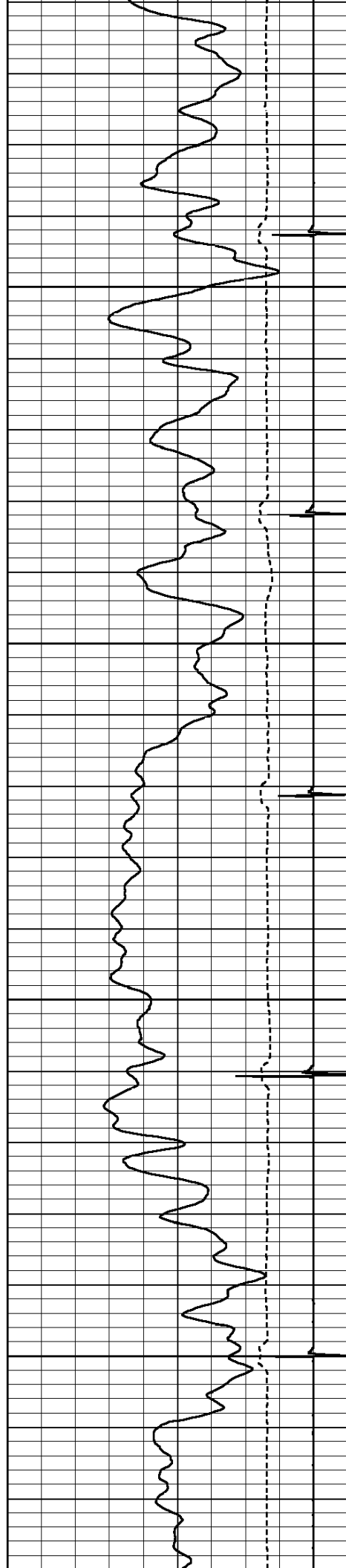
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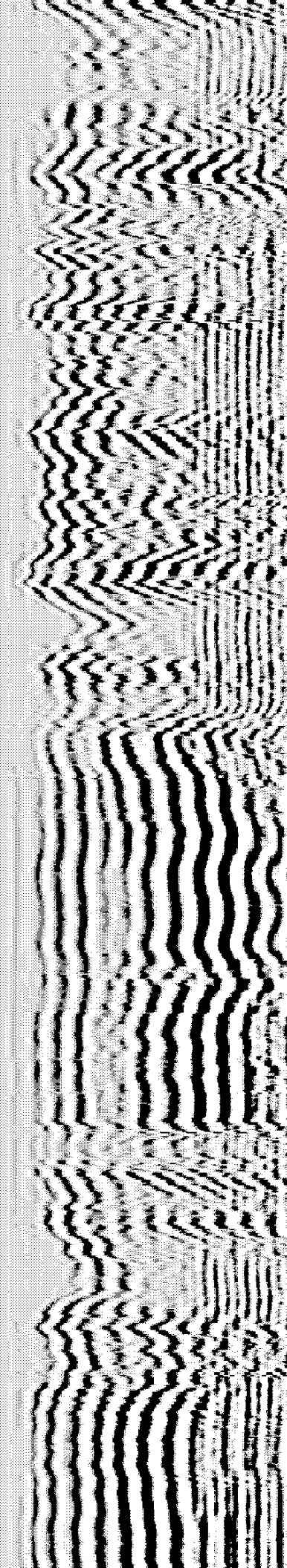
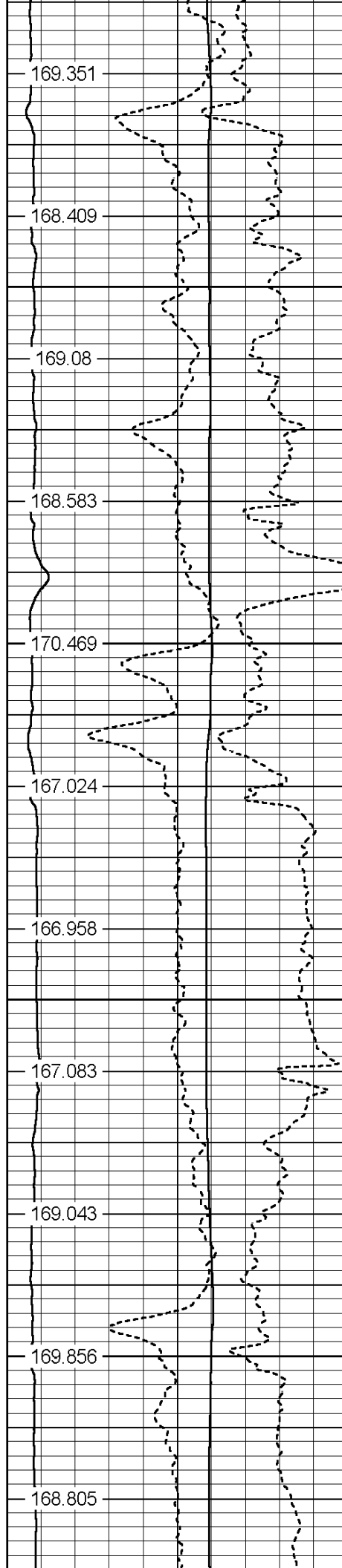
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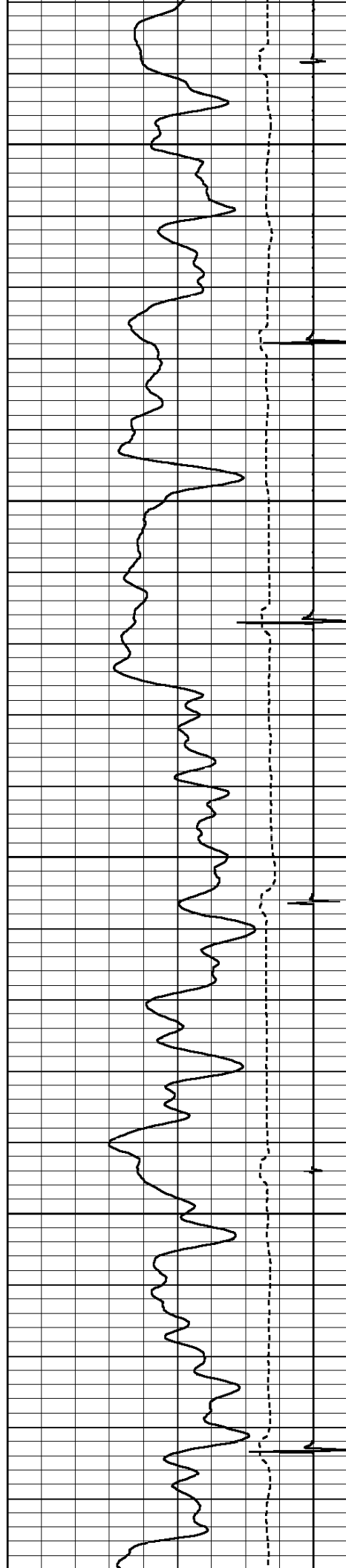




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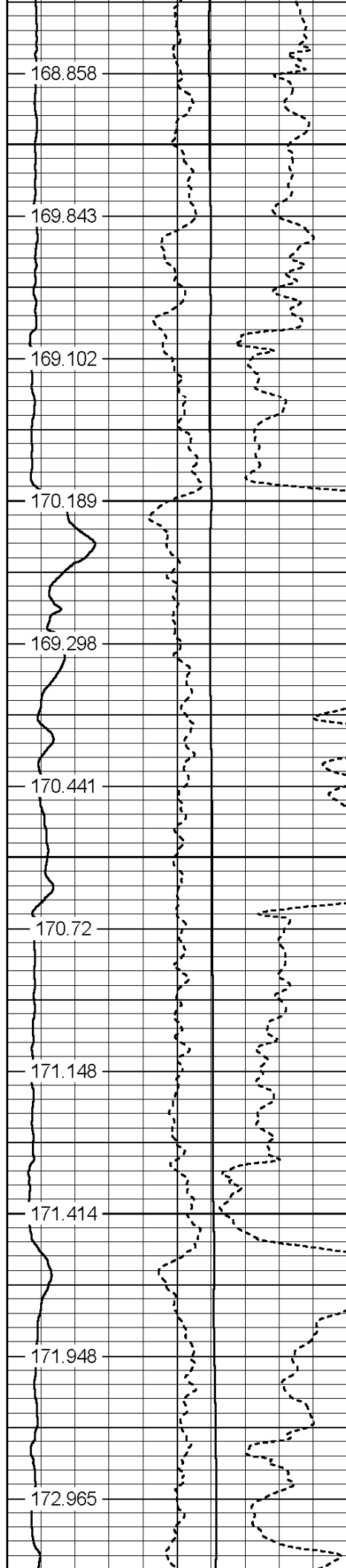
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6300

6400



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169.843

169.102

170.189

169.298

170.441

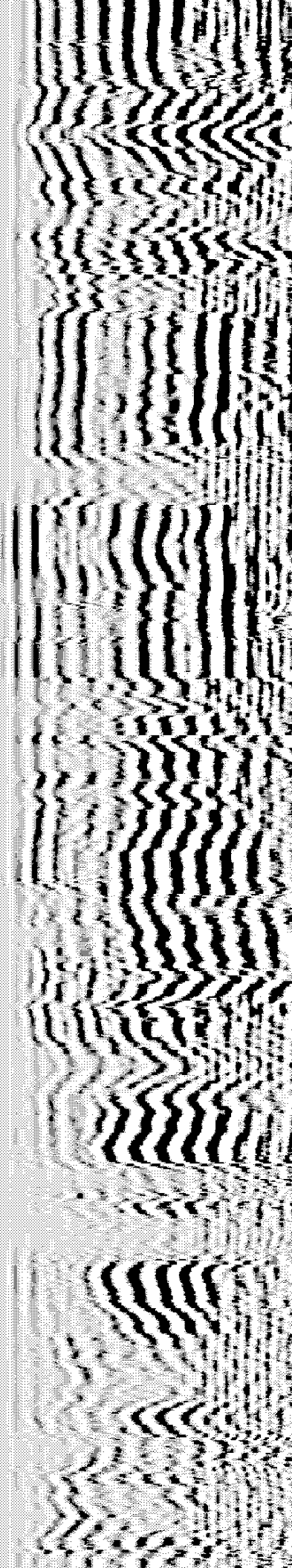
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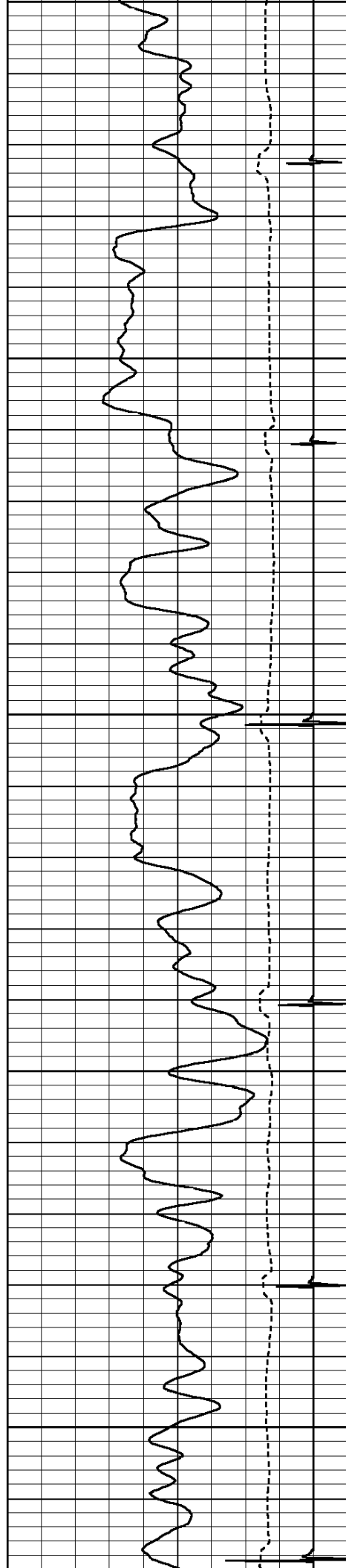
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171.414

171.948

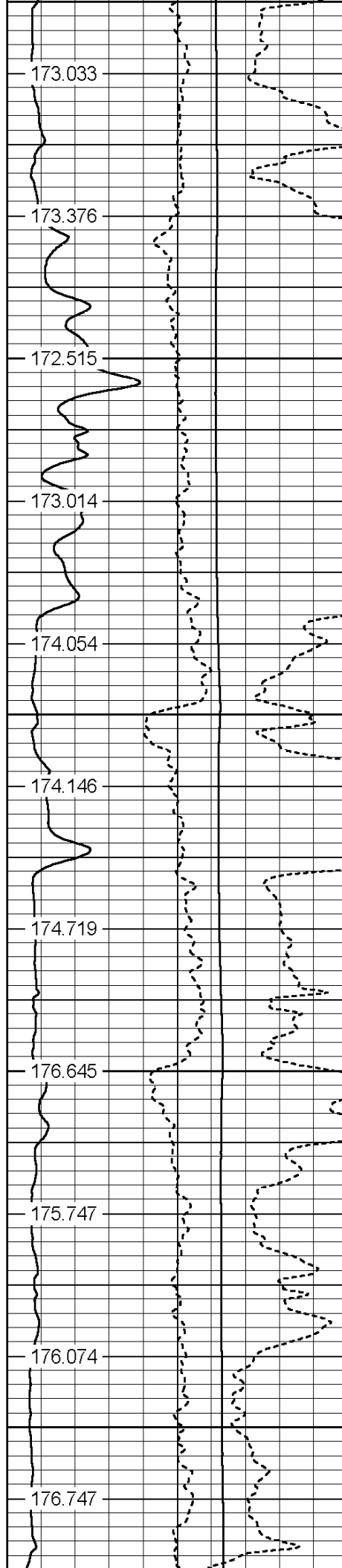
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6500

6600



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173.014

174.054

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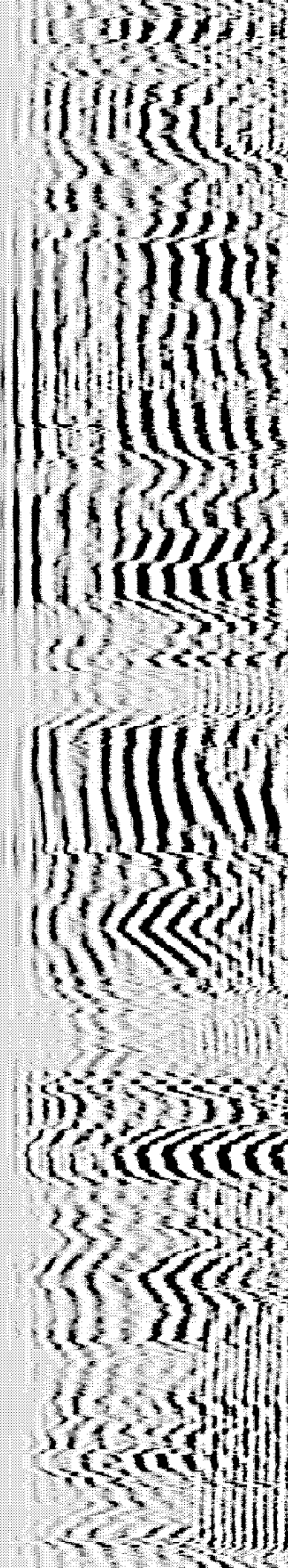
174.719

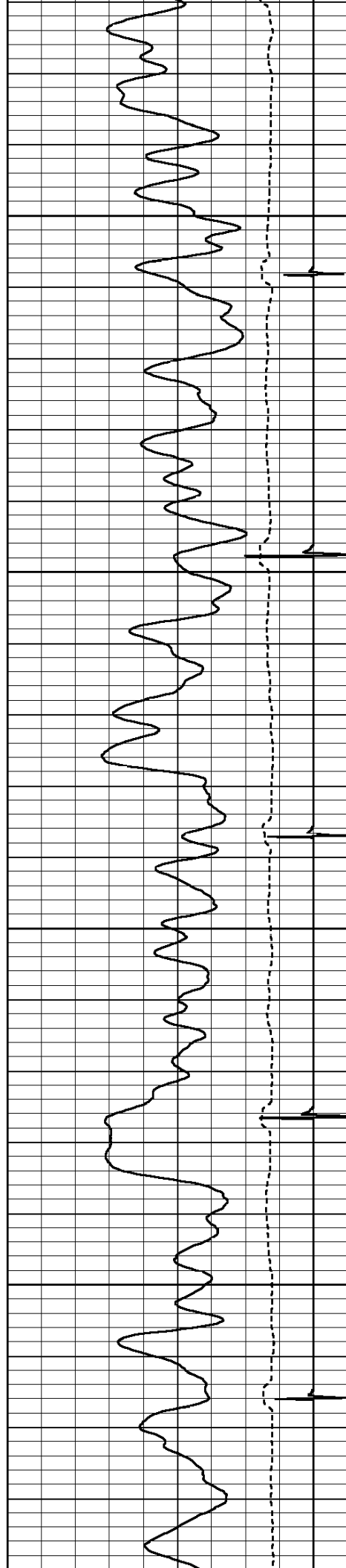
176.645

175.747

176.074

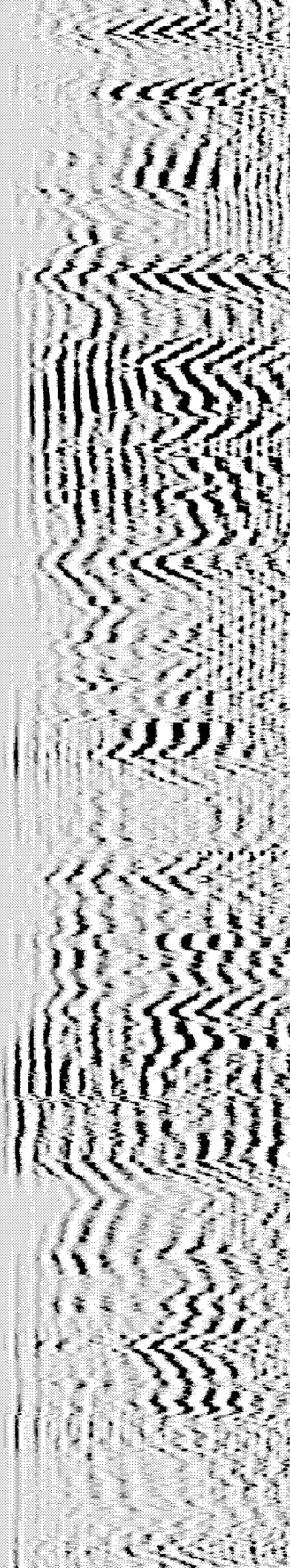
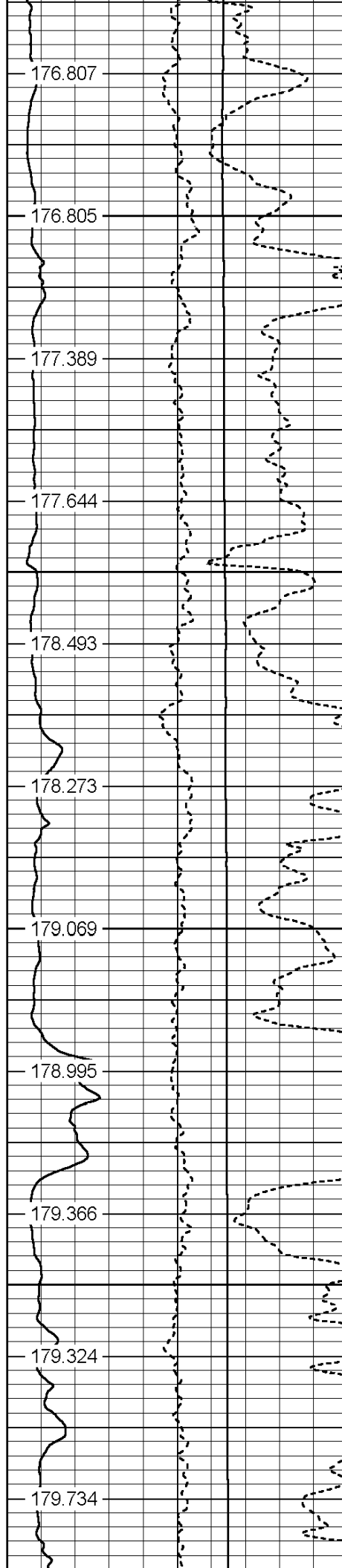
176.747

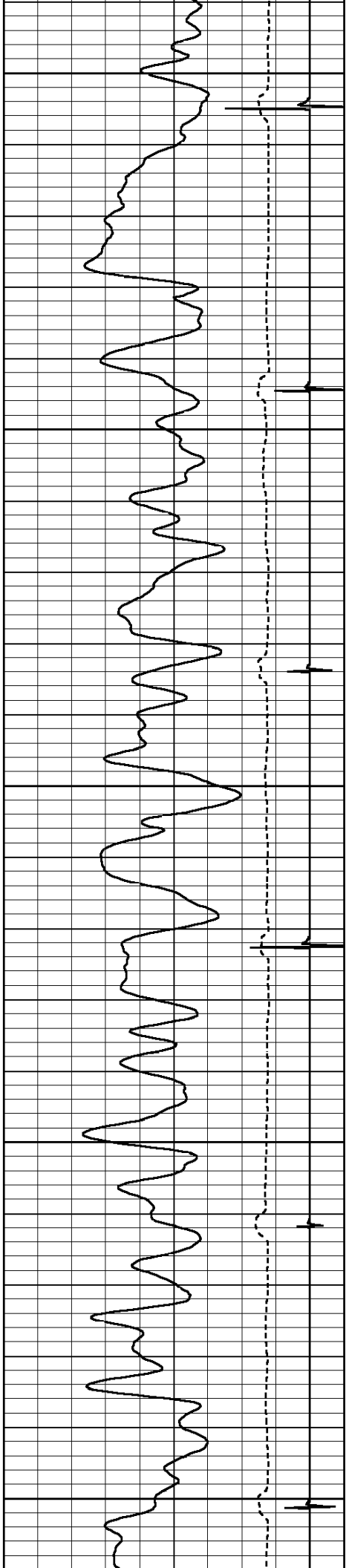




6700

6800

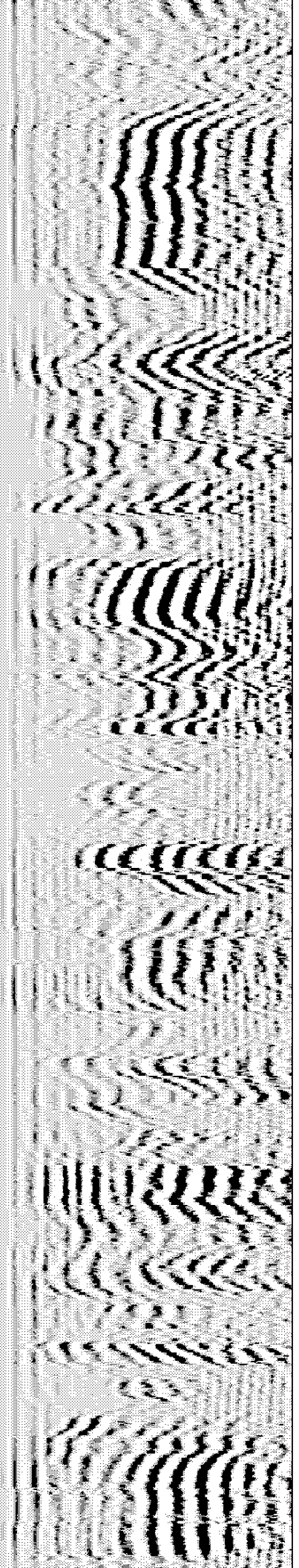
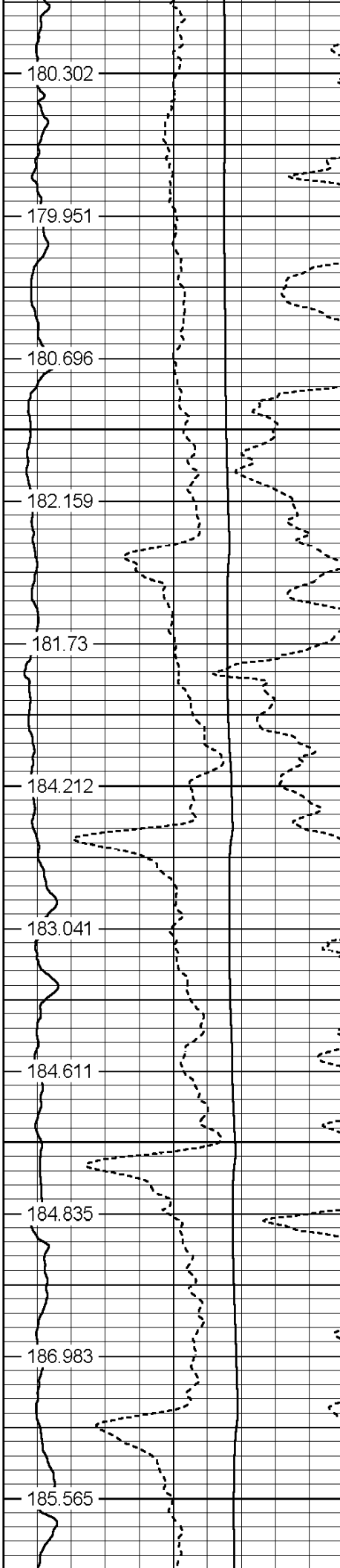


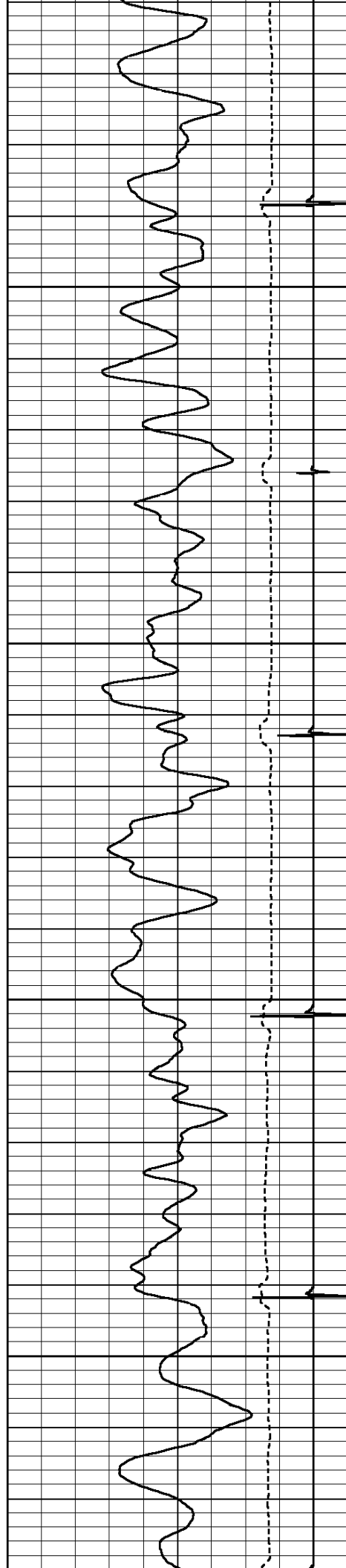


6900

7000

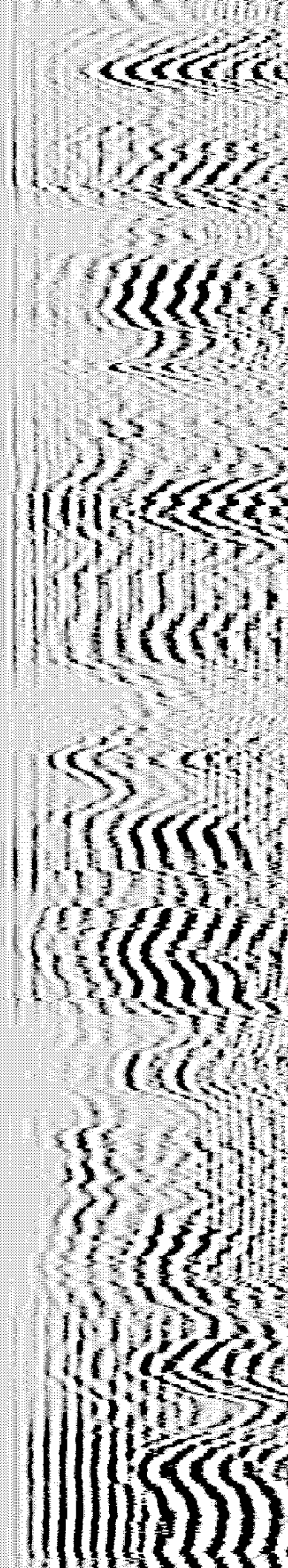
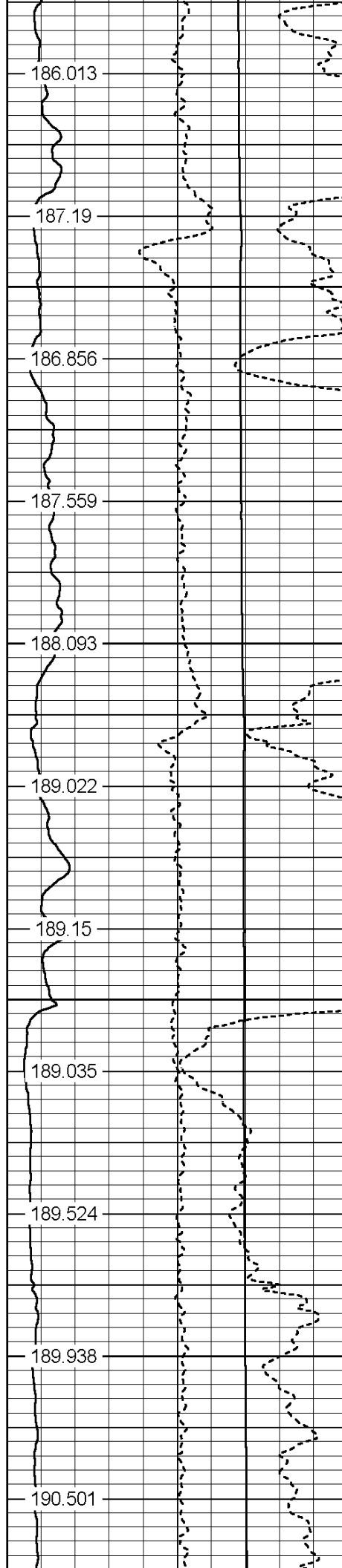
7100

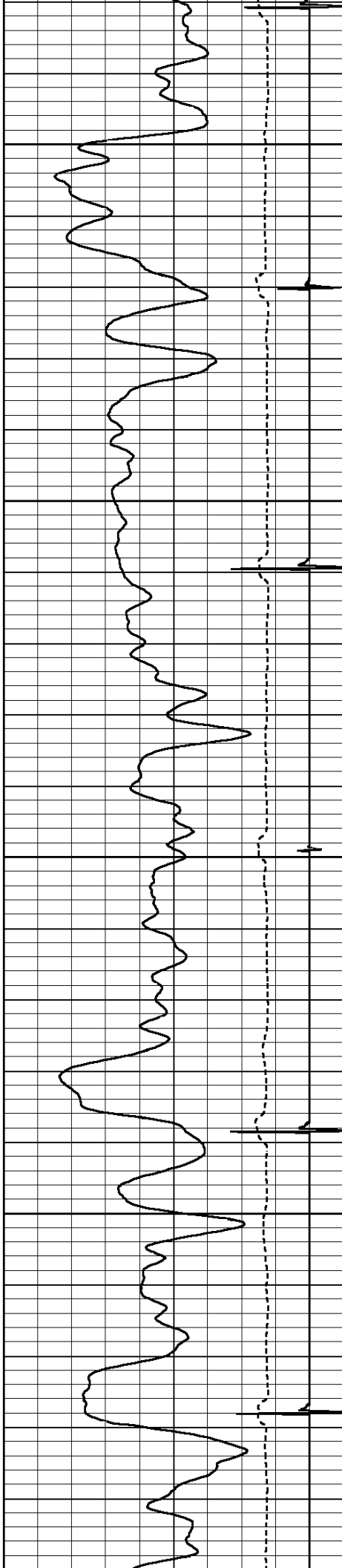




7200

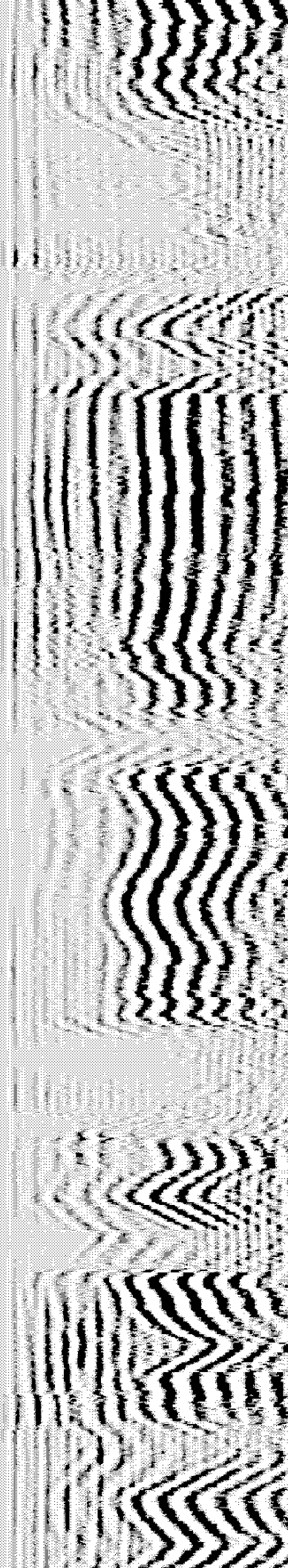
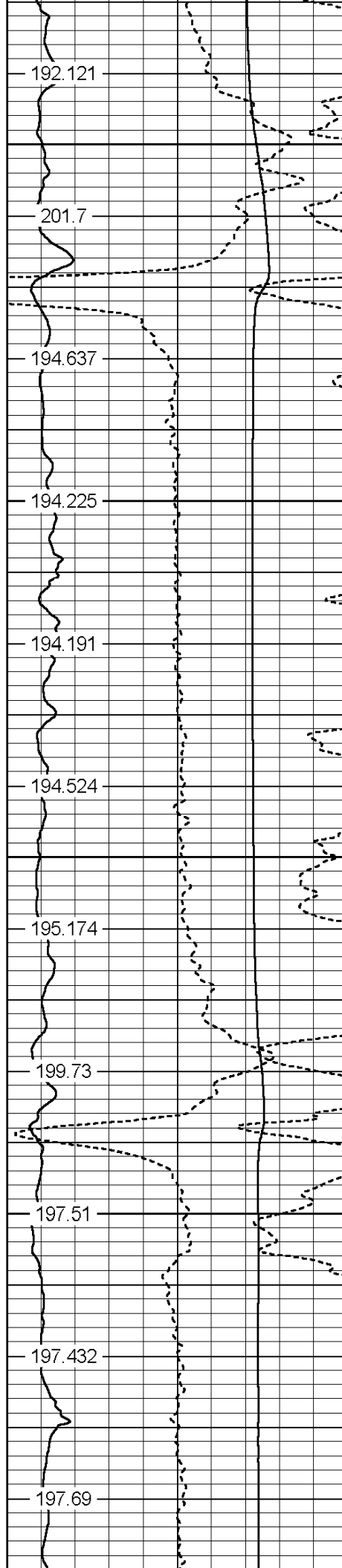
7300

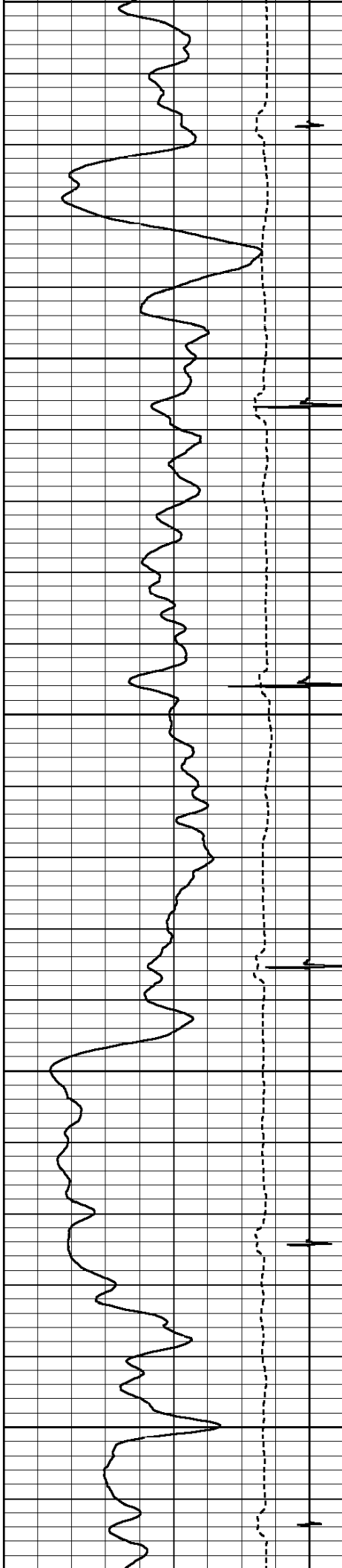




7400

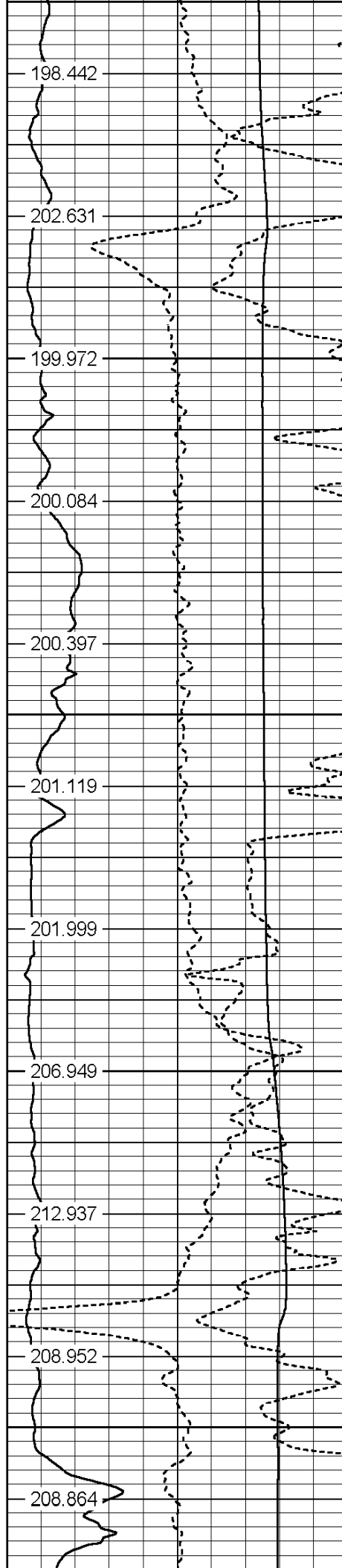
7500





7600

7700



198.442

202.631

199.972

200.084

200.397

201.119

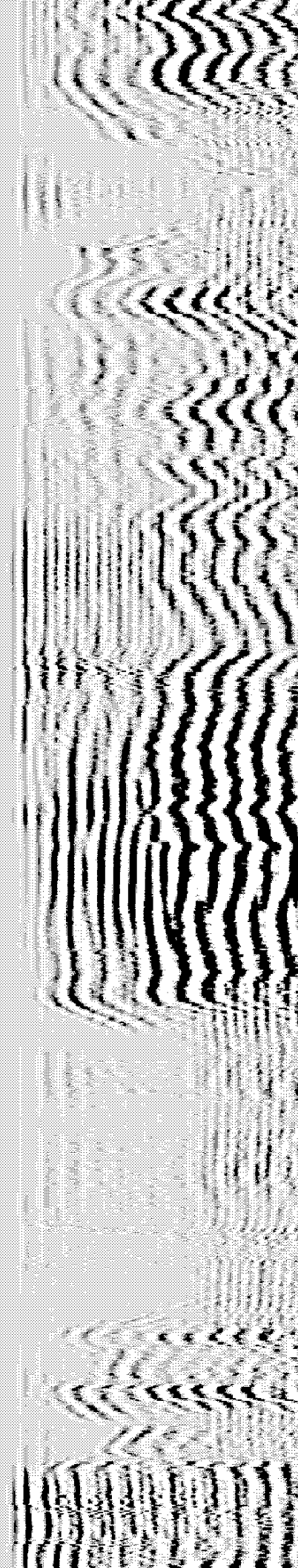
201.999

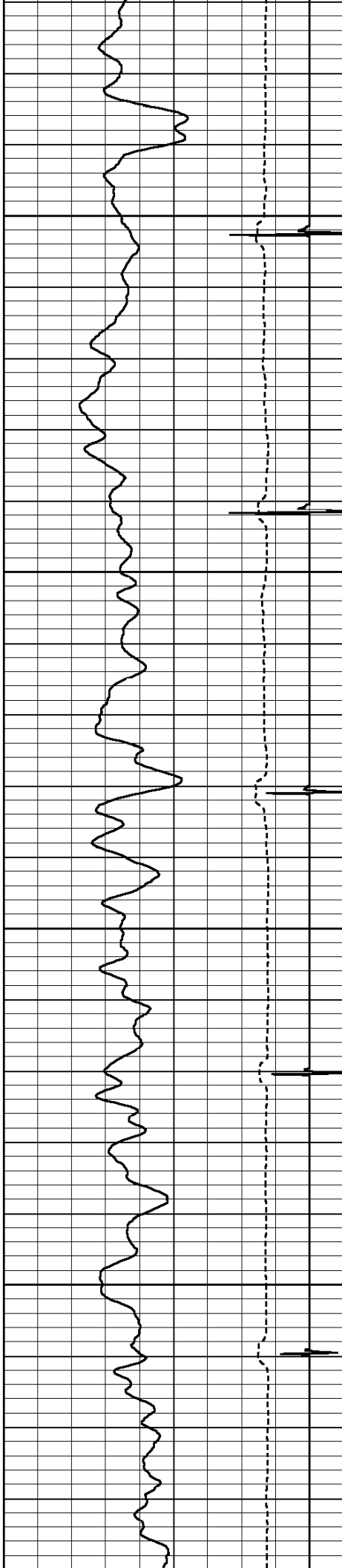
206.949

212.937

208.952

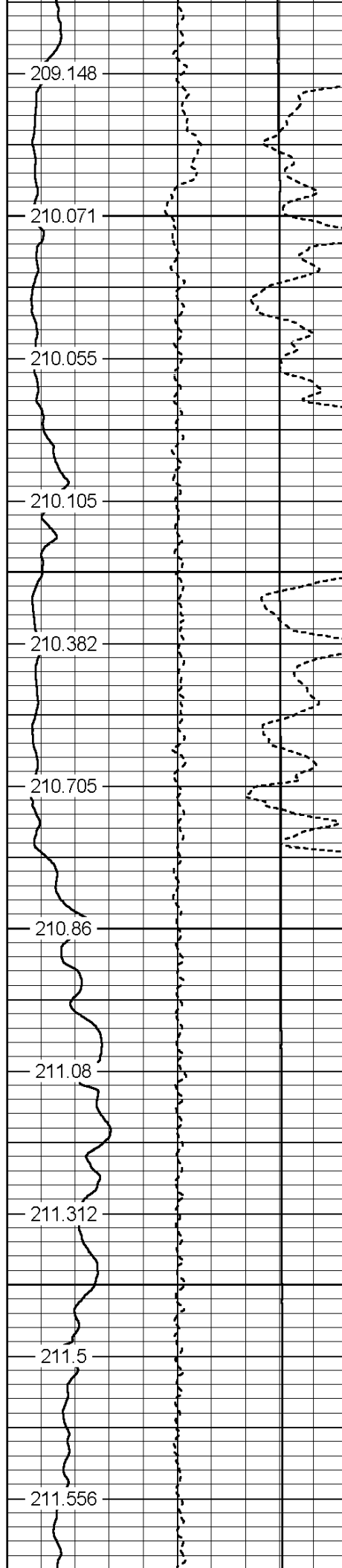
208.864





7800

7900



209.148

210.071

210.055

210.105

210.382

210.705

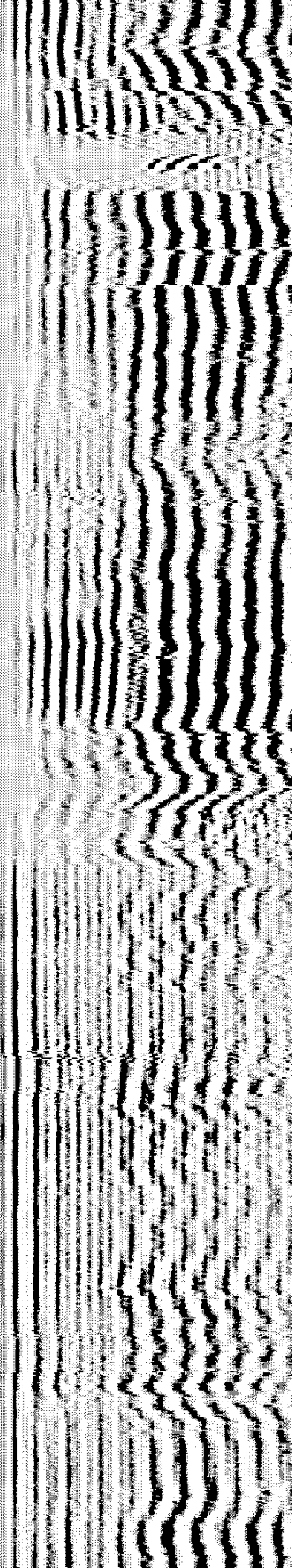
210.86

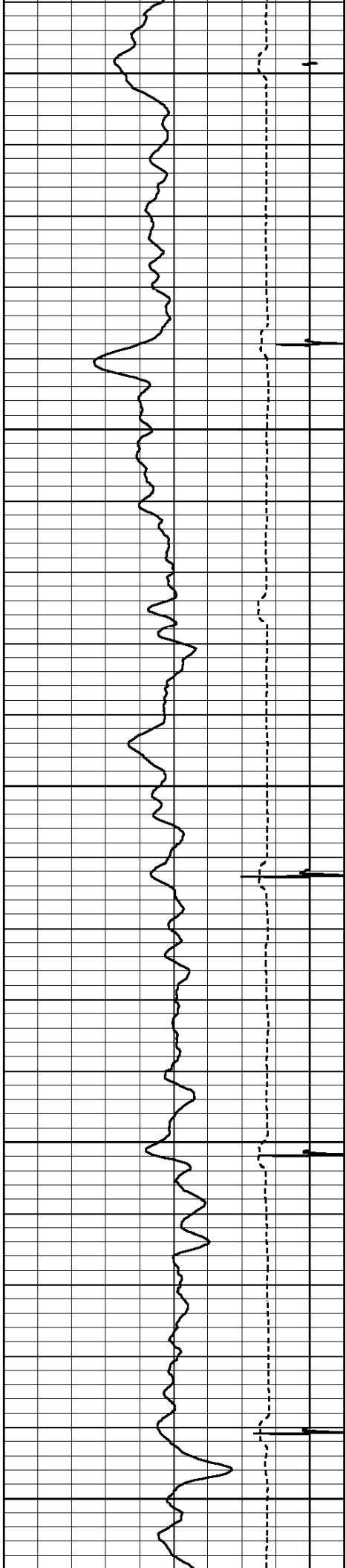
211.08

211.312

211.5

211.556

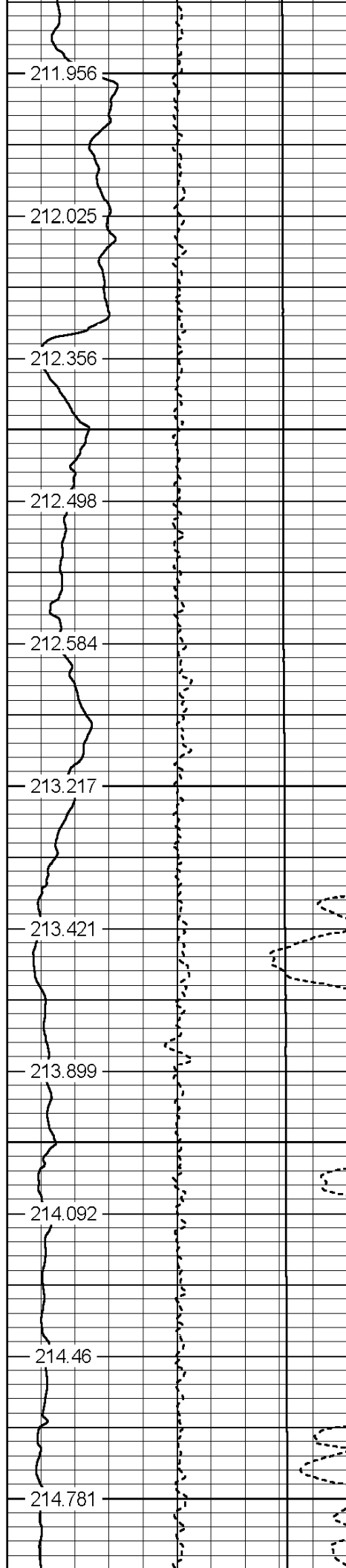




8000

8100

8200



211.956

212.025

212.356

212.498

212.584

213.217

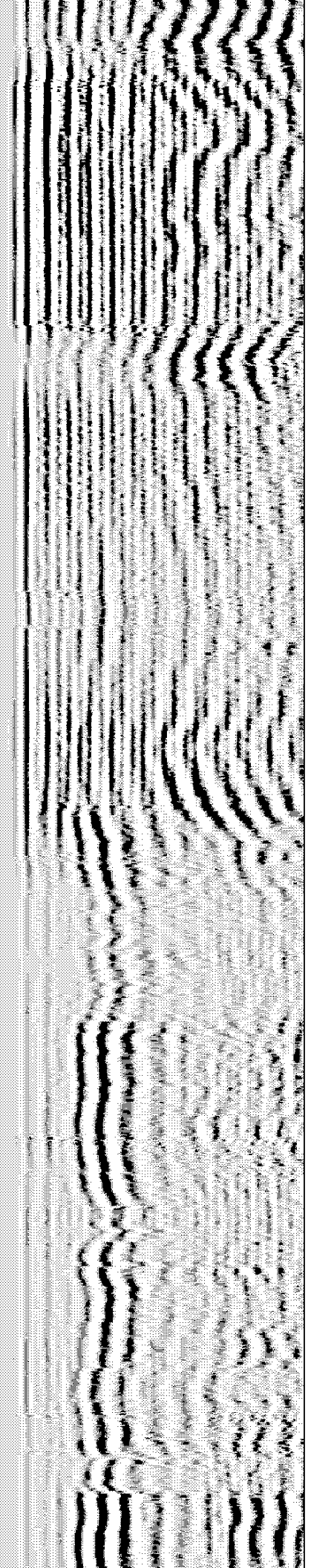
213.421

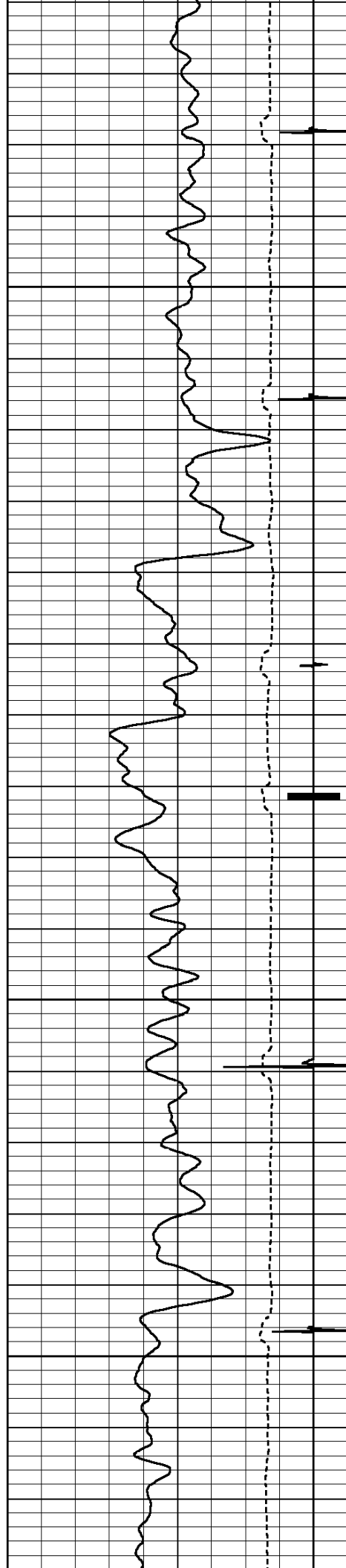
213.899

214.092

214.46

214.781

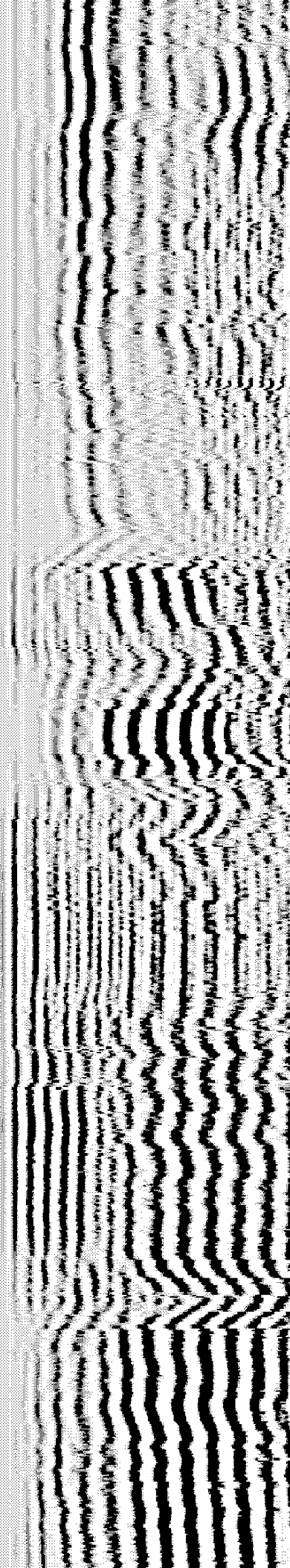
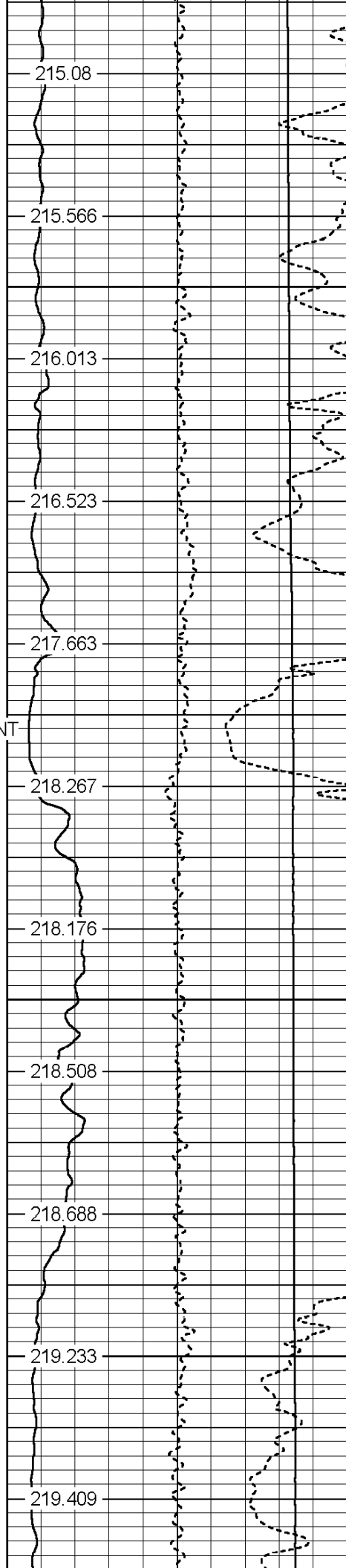


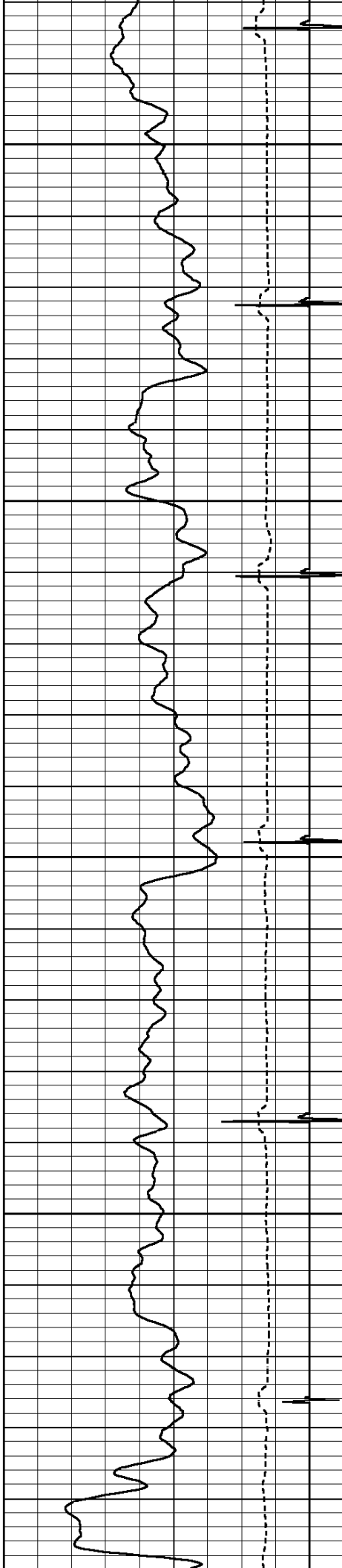


SHORT JOINT

8300

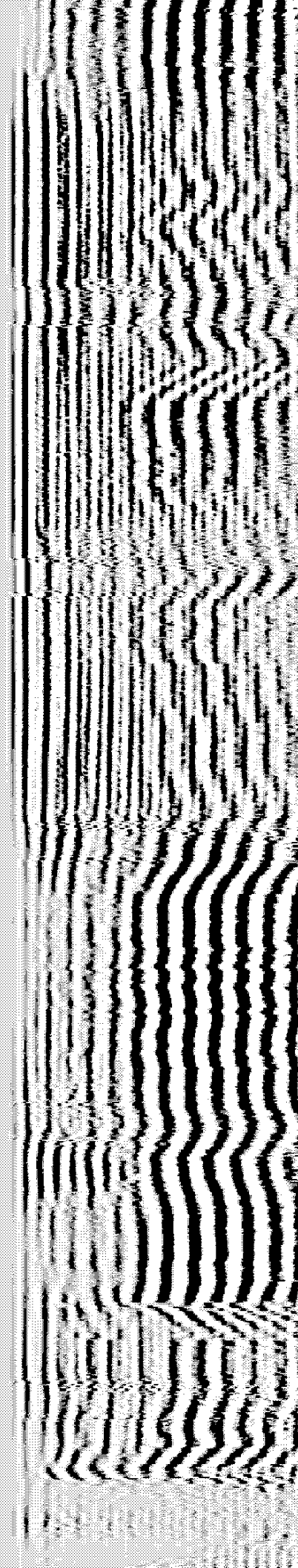
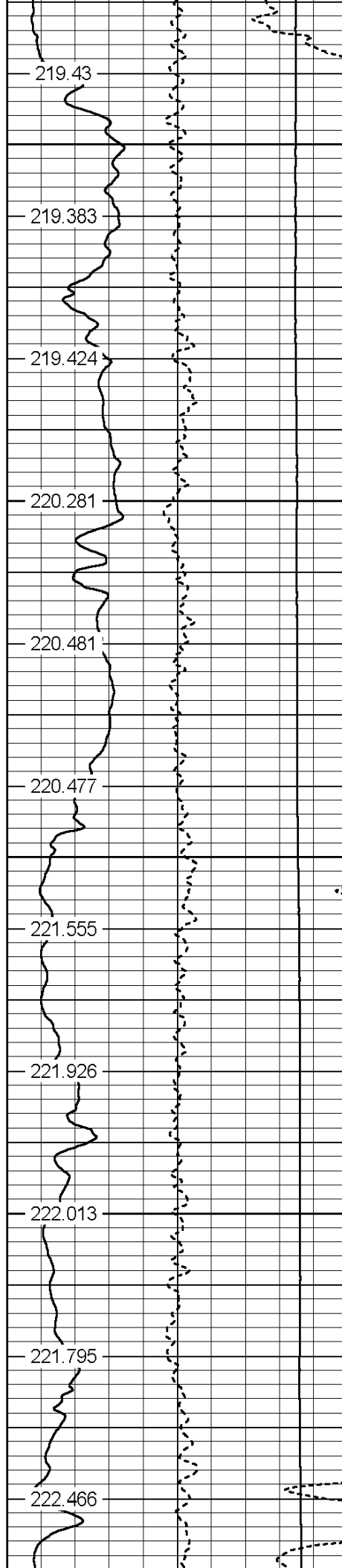
8400

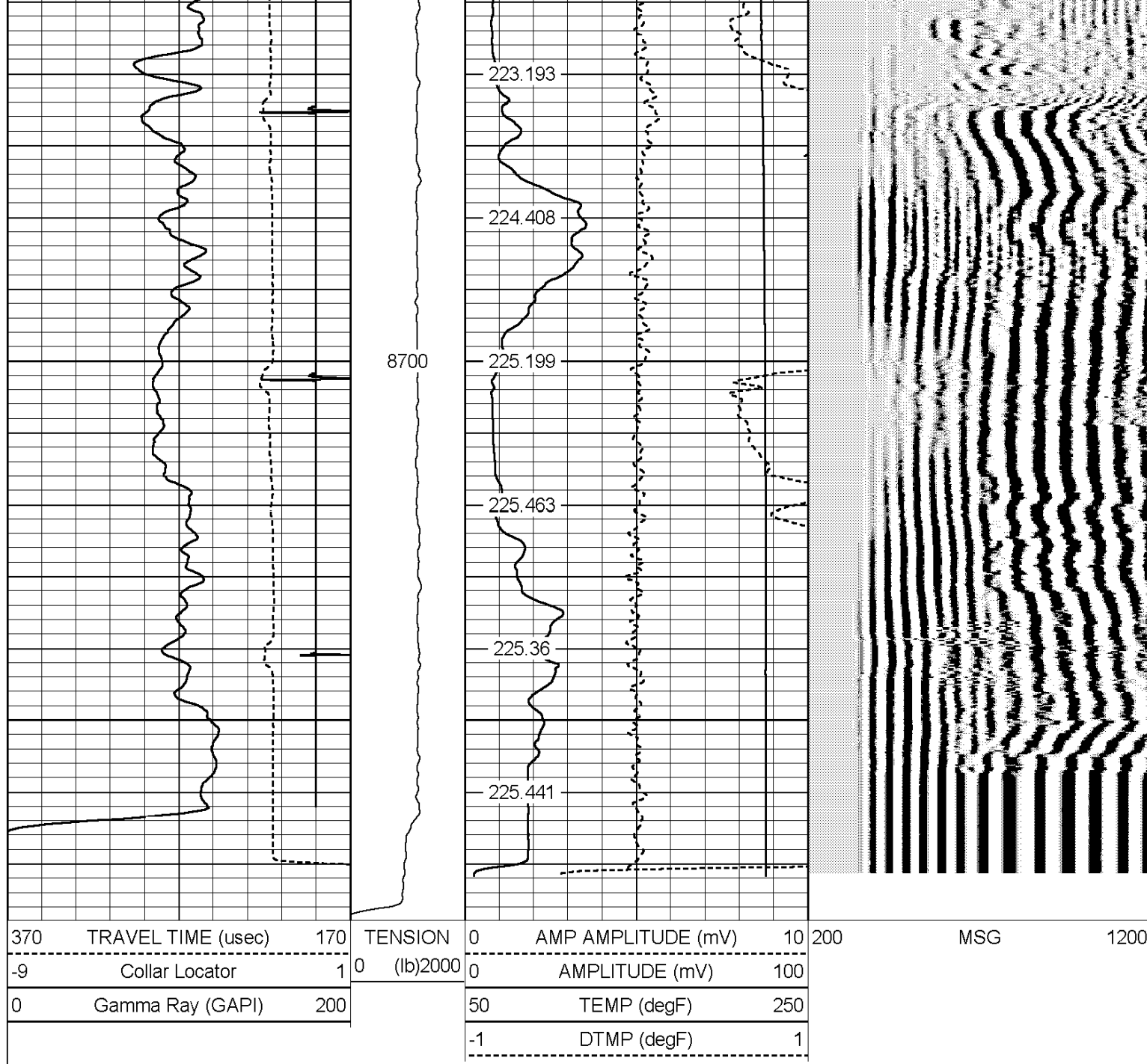




8500

8600





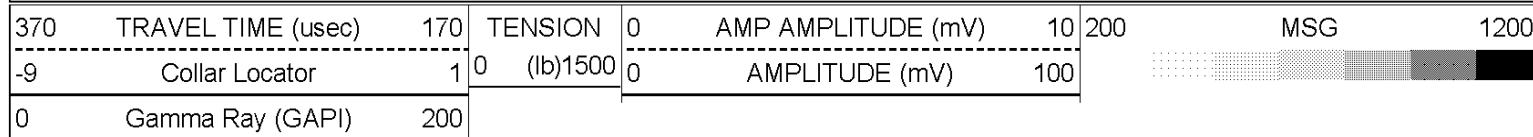
HALLIBURTON

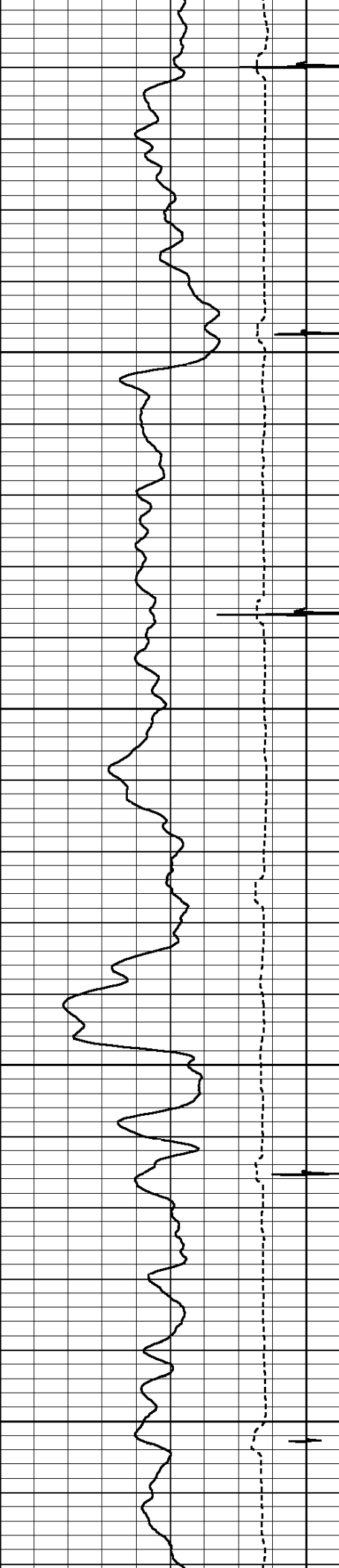
ACOUSTIC CEMENT BOND LOG

REPEAT LOG SECTION

5"=100'

Database File: norcross_a4_cbl.db
Dataset Pathname: CBL/REPT1
Presentation Format: cbl_main
Dataset Creation: Sat Jan 26 21:42:24 2008
Charted by: Depth in Feet scaled 1:240

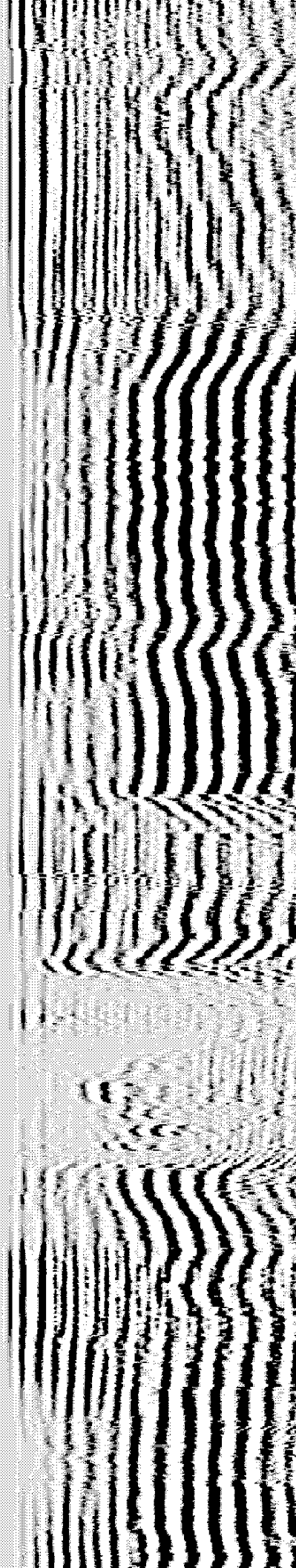
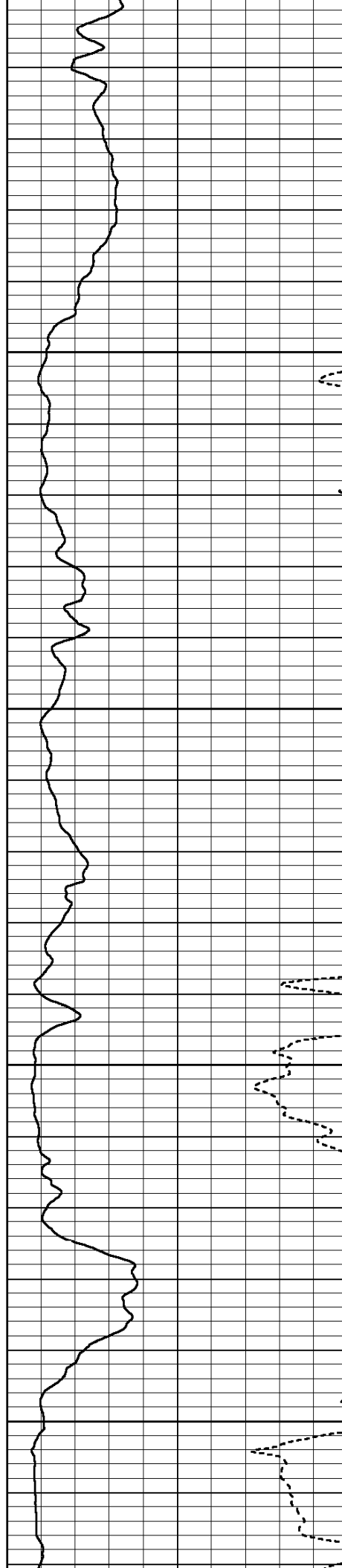


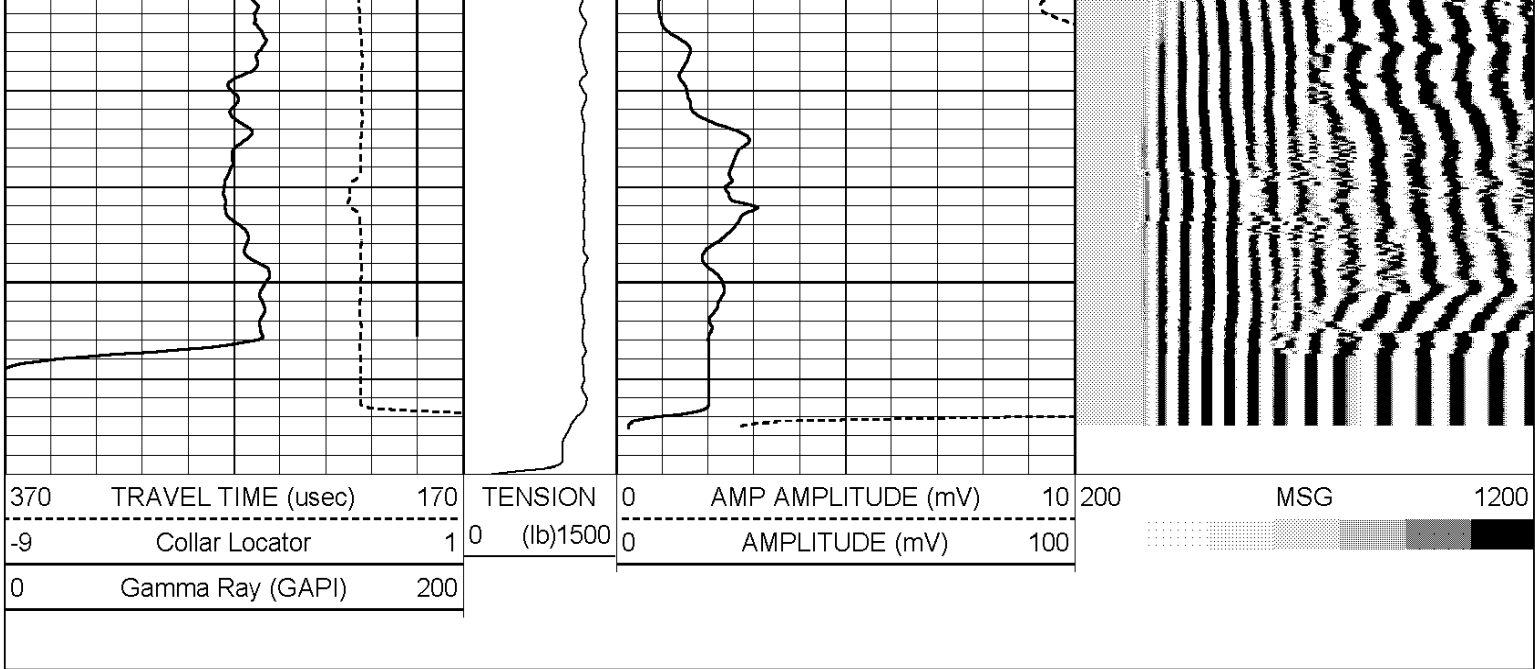


8550

8600

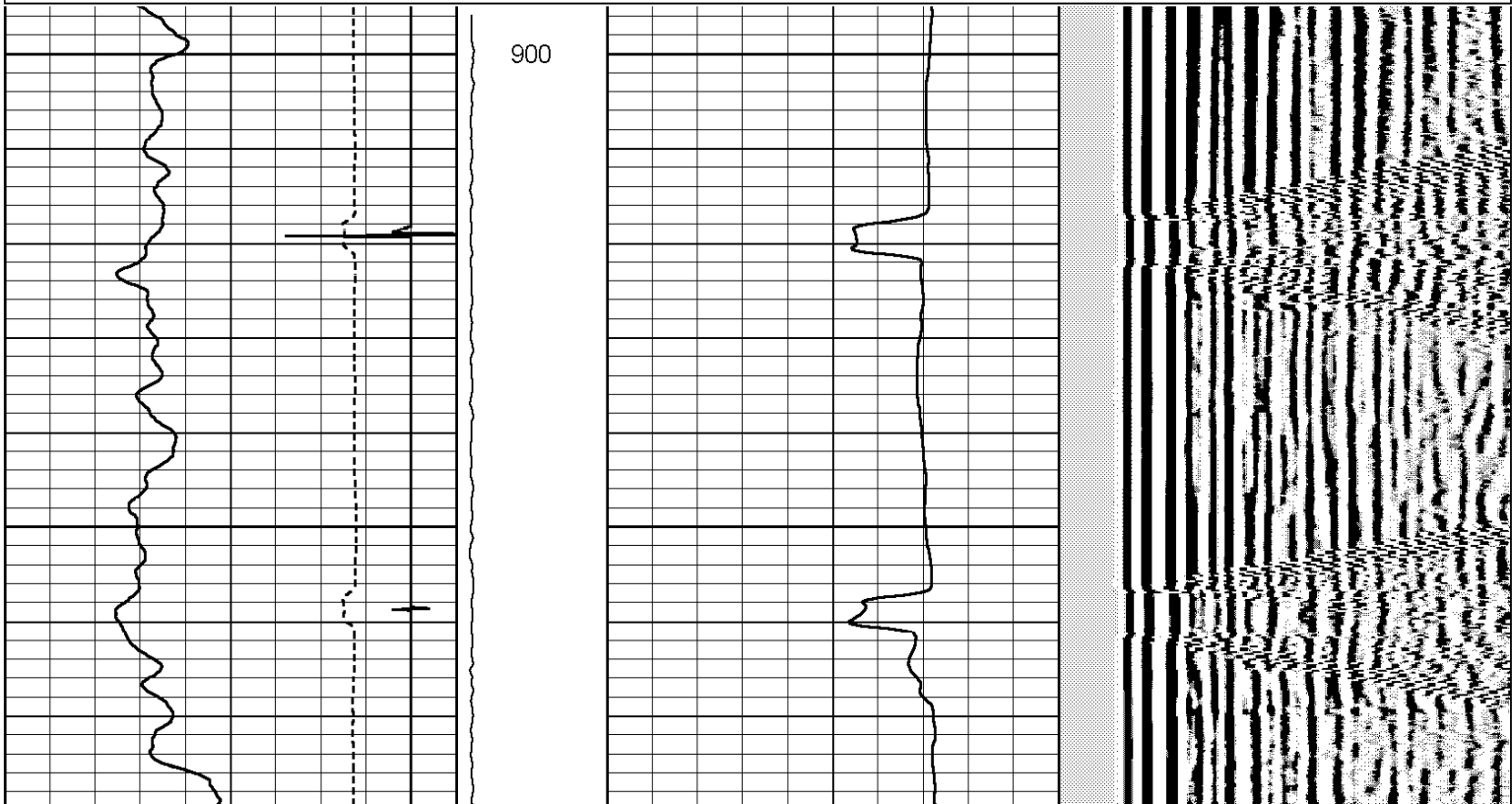
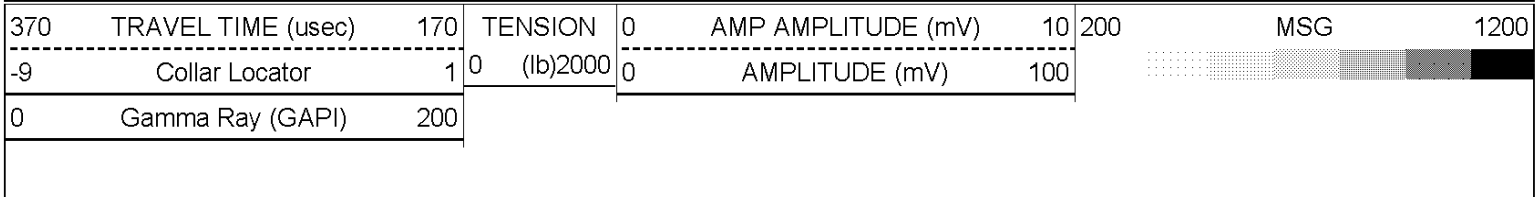
8700

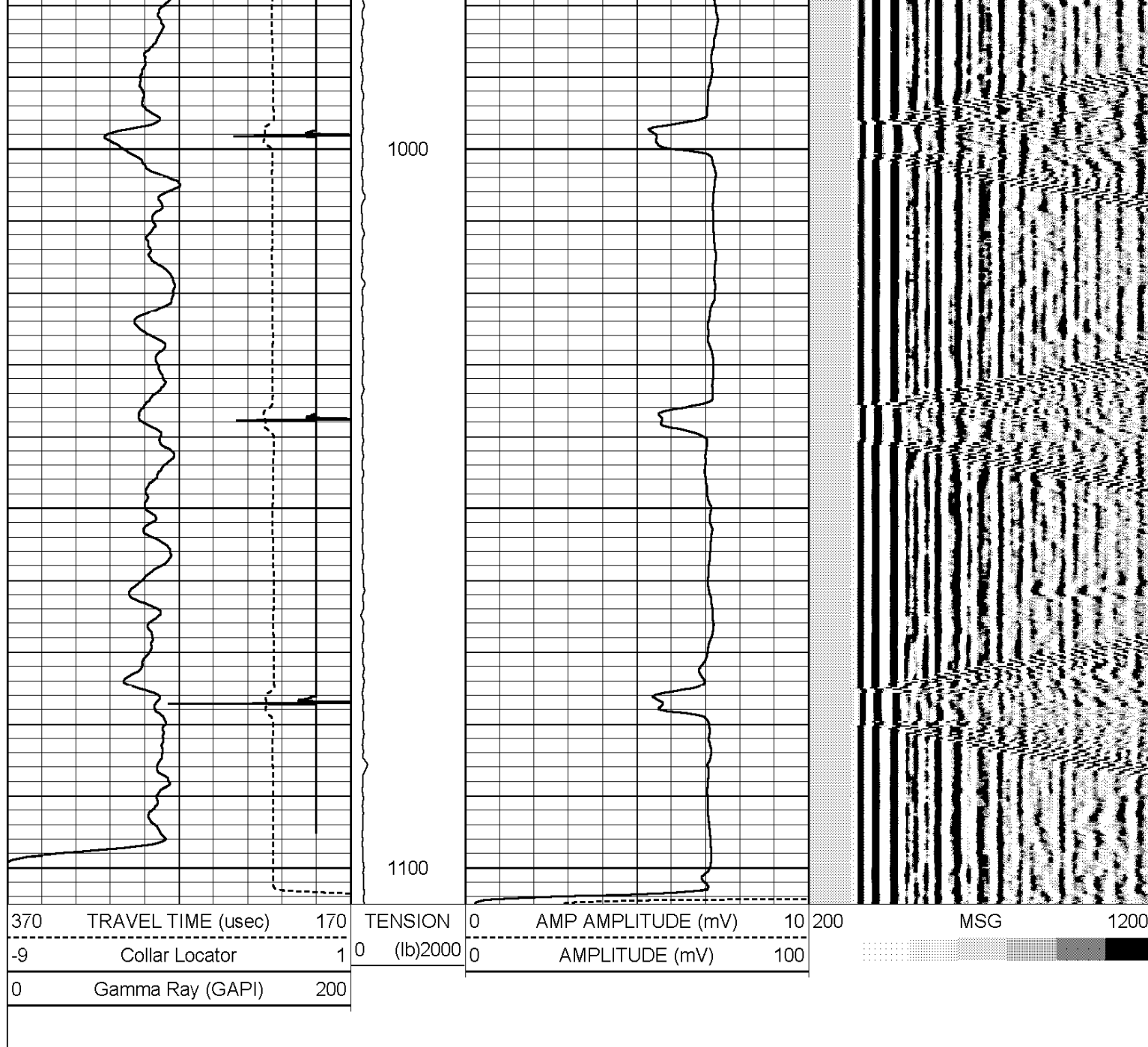




HALLIBURTON **ACOUSTIC CEMENT BOND LOG** **FREE PIPE SECTION** **5"=100'**

Database File: norcross_a4_cbl.db
 Dataset Pathname: CBL/FREE1
 Presentation Format: cbl_main
 Dataset Creation: Sat Jan 26 21:42:34 2008
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: norcross_a4_cbl.db
 Dataset Pathname: CBL/MAINF_CBL
 Dataset Creation: Sat Jan 26 21:38:27 2008

Gamma Ray Calibration Report

Type / Serial: CBL_DC / 400

SHOP CALIBRATION

Sat Jan 26 18:08:02 2008

Background	Counts/Sec.	Gain	Offset	Jig	Units
Calibrator	103.7				cps
	787.3				cps
		0.3686			GAPI/cps

PRIMARY VERIFICATION

Sat Jan 26 18:10:37 2008

Background	38.8			cps
Calibrator	293.8			cps
Difference		255.0		GAPI

BEFORE SURVEY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

Segmented Cement Bond Log Calibration Report

Serial Number: 400
Tool Model: CBL_DC

Calibration Casing Diameter: 5.500 in
Calibration Depth: 983.807 ft

Master Calibration, performed Sat Jan 26 18:38:00 2008:

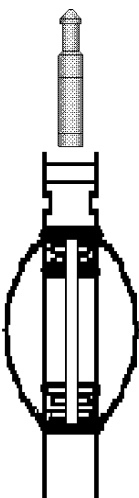
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.013	1.253	2.000	72.000	55.283	2.713
CAL						
5'	-0.006	1.125	2.000	72.000	61.935	2.351

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL						

Air Zero Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	14.25		STNDRD Standard Cable Head - F.N. 1 3/8"	1.15	1.44	1.10

Tool Joint Location	Tool Joint Depth (ft)	Tool Joint Description	Tool Joint Weight (lb)	Tool Joint O.D. (in)	Tool Joint Length (ft)
GR	12.25				
CBT_CBL_DC-CBL_DC (400) G-Type 3 1/4" Standard CBL TOOL@@	16.08		3.25	200.00	
WVF3FT	6.08				
WVF5FT	5.08				
WVFSYNC LLMTEN	0.00 0.00				

Dataset: norcross_a4_cbl.db: field/well/CBL/MAINF_CBL

Total Length: 17.23 ft

Total Weight: 201.10 lb

O.D. 3.25 in

