



SECTOR CEMENT BOND LOG GAMMA RAY / CCL

Company WARD PETROLEUM CORP.
Well SCHAEFER 2536-1-4HC
Field WATTERBERG
County ADAMS
State CO Country

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Field WATTERBERG
County ADAMS
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Location: API #: SHL: 484' FSL, 1935' FEL
SWSE
SEC 24 TWP 1S RGE 67W
Permanent Datum GL Elevation 5022'
Log Measured From KB
Drilling Measured From KB
Other Services
NONE
Elevation
K.B. 5039'
D.F. 5038'
G.L. 5022'

Date 22 MAY 2017
Run Number 1
Depth Driller 18088'
Depth Logger 7136'
Bottom Logged Interval 7136'
Top Log Interval SURFACE
Open Hole Size 8.75"
Type Fluid H2O
Density / Viscosity N/A
Max. Recorded Temp. 217 F
Estimated Cement Top SEE LOG
Time Well Ready 0345
Time Logger on Bottom 0455
Equipment Number W-201
Location WINDSOR, CO
Recorded By S. STUMP
Witnessed By J. KEJR

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record		Size	Wgt/Ft	Top	Bottom		
Surface String		9.625"	36#	0'	1506'		
Prot. String		5.5"	20#	0'	18060'		
Production String							
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

THANK YOU USING CUTTERS WIRELINE

2000' PSI ON WELL WHILE LOGGING

DUE TO NO FREE PIPE, NO FREE PIPE PASS ON LOG


Log Variables

Database: C:\Warrior\Data\schaefer_2536_1_4hc_3f5f.db
Dataset: field/well/run1/FINAL

Top - Bottom

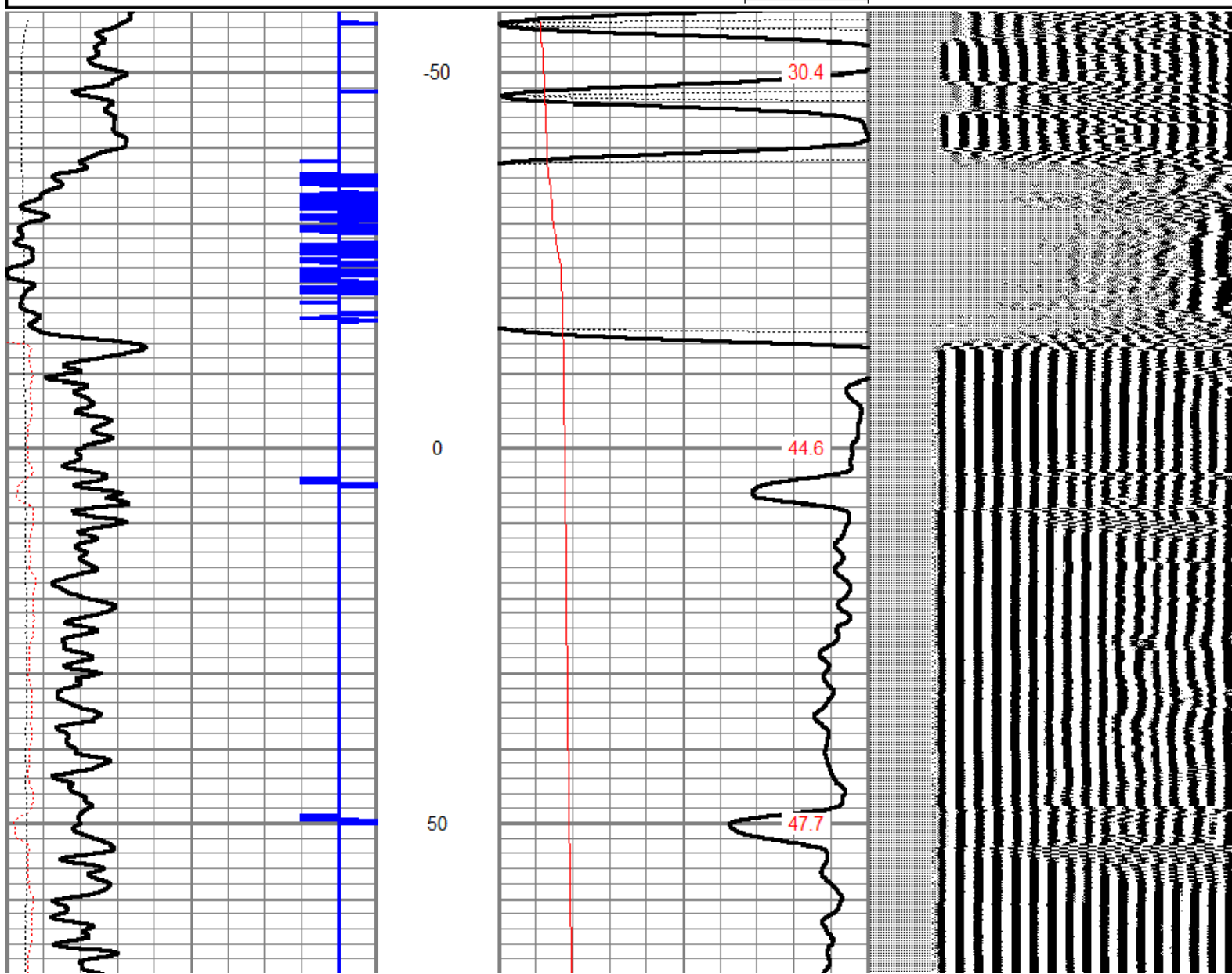
PPT	MAXAMPI	MINAMPI	MINATTN	CASFOD	PERFS	TDEPTH	BOTTEMP
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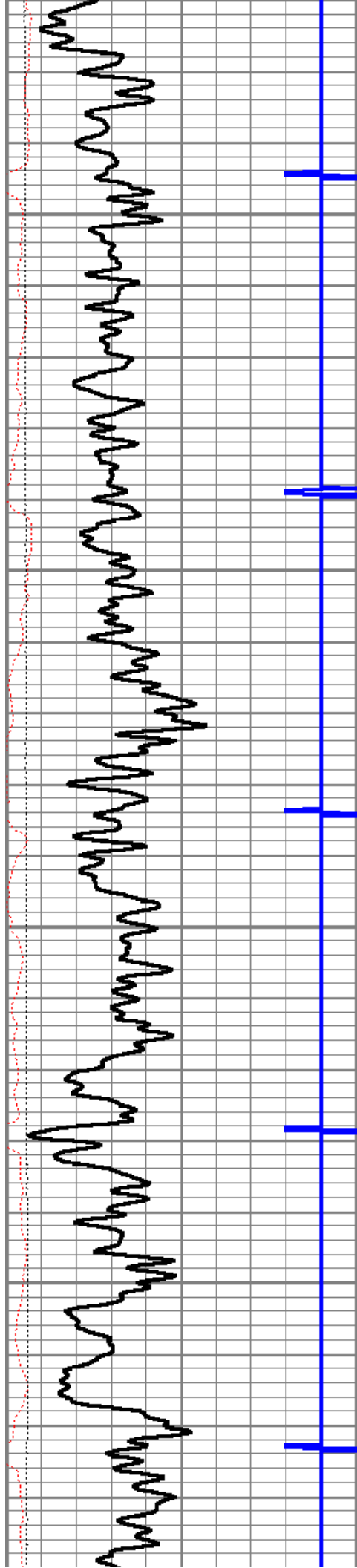
u sec 0	mV 72	mV 1	db/ft 0.08	in 5.5	0	ft 0	degF 204
BOREID in 8.75							

	MAIN PASS
	2000 PSI ON WELL WHILE LOGGING

Database File:	schaefer_2536_1_4hc_3f5f.db
Dataset Pathname:	FINAL
Presentation Format:	cbldig
Dataset Creation:	Mon May 22 06:02:09 2017 by Calc SCH 110630
Charted by:	Depth in Feet scaled 1:240

280	Travel Time (u sec)	180	0	Amplitude (mV)	100	200	Variable Density	1200
9	Collar Locator	-1	0	Amplified Amplitude (mV)	10			
0	GR (GAPI)	150	0	TEMP (degF)	250			
0	Line Tension (lb)	5000		TEMP (degF)				



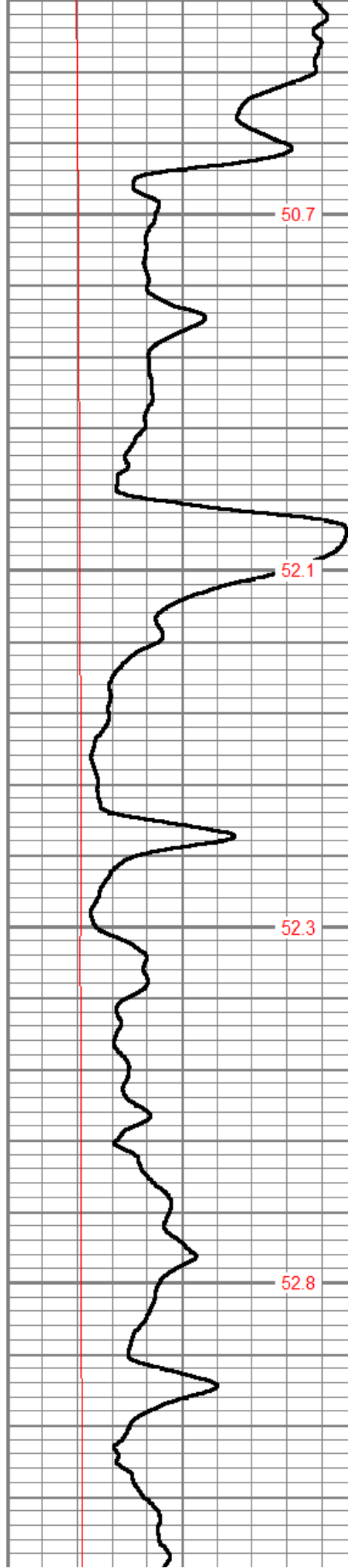


100

150

200

250

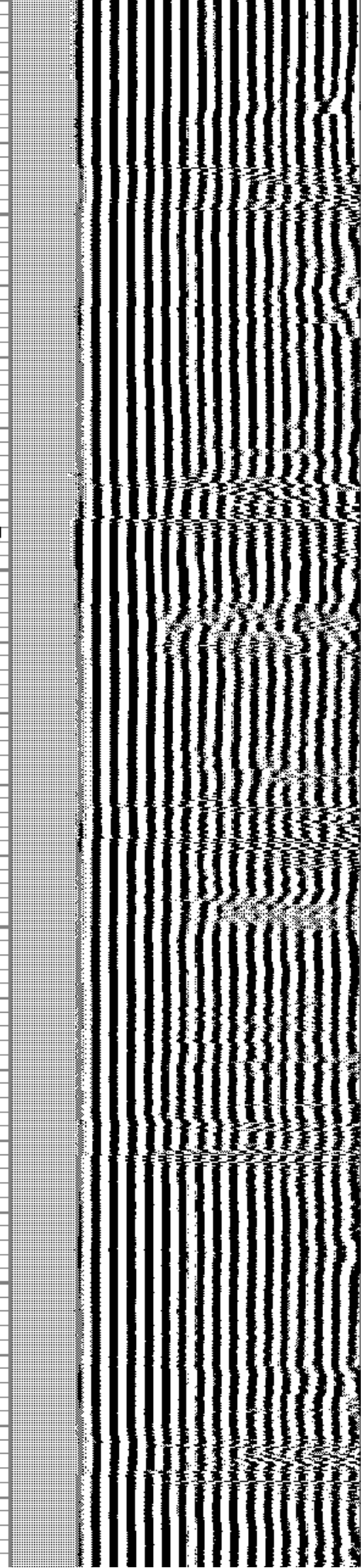


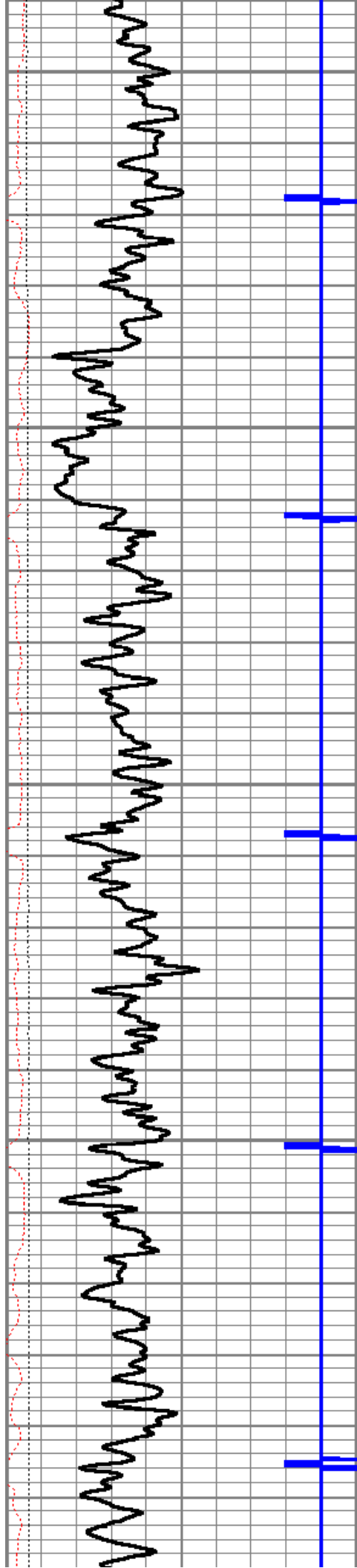
50.7

52.1

52.3

52.8





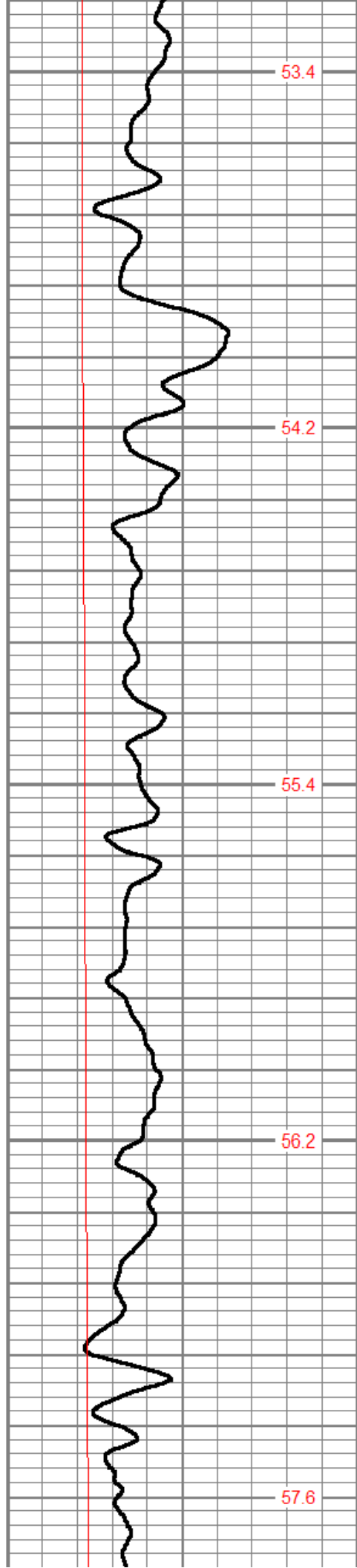
300

350

400

450

500



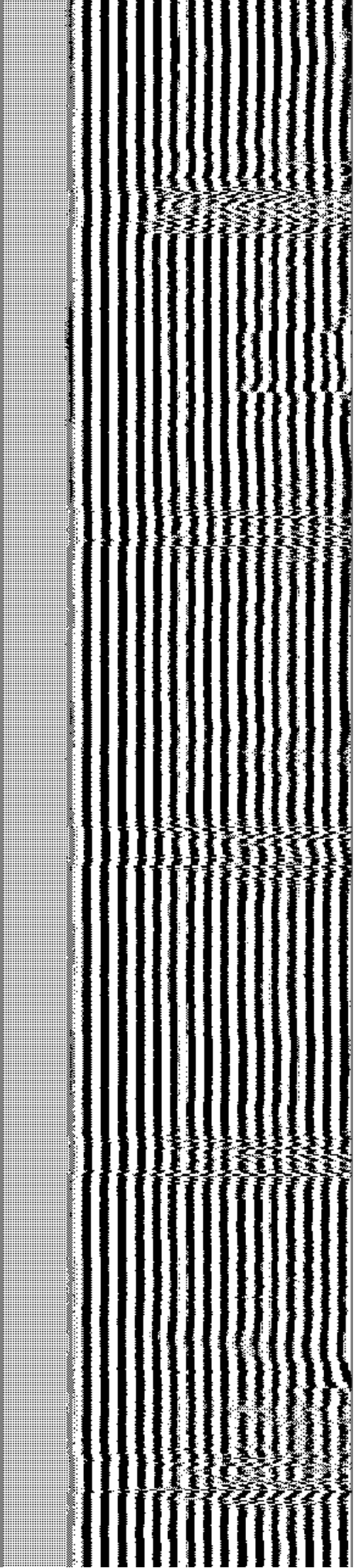
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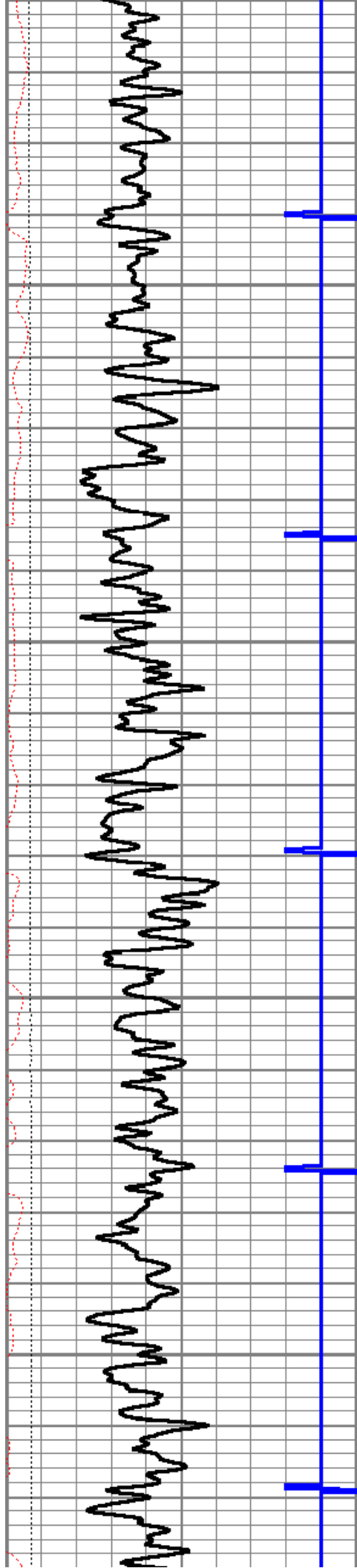
54.2

55.4

56.2

57.6



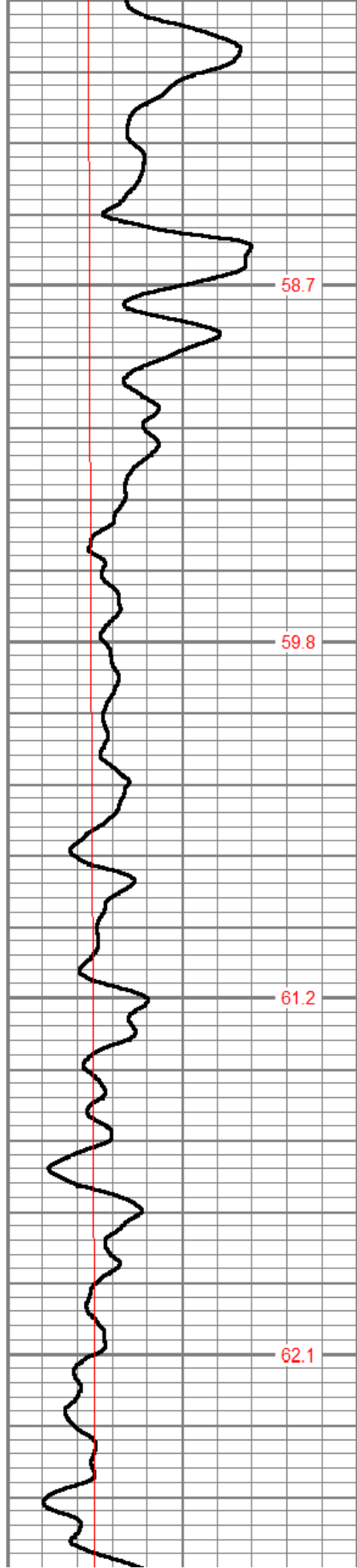


550

600

650

700

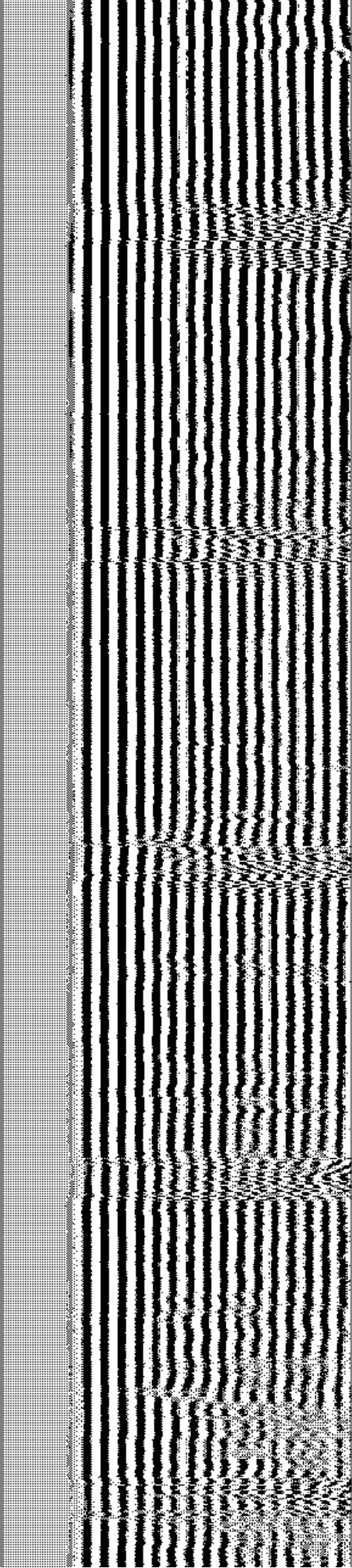


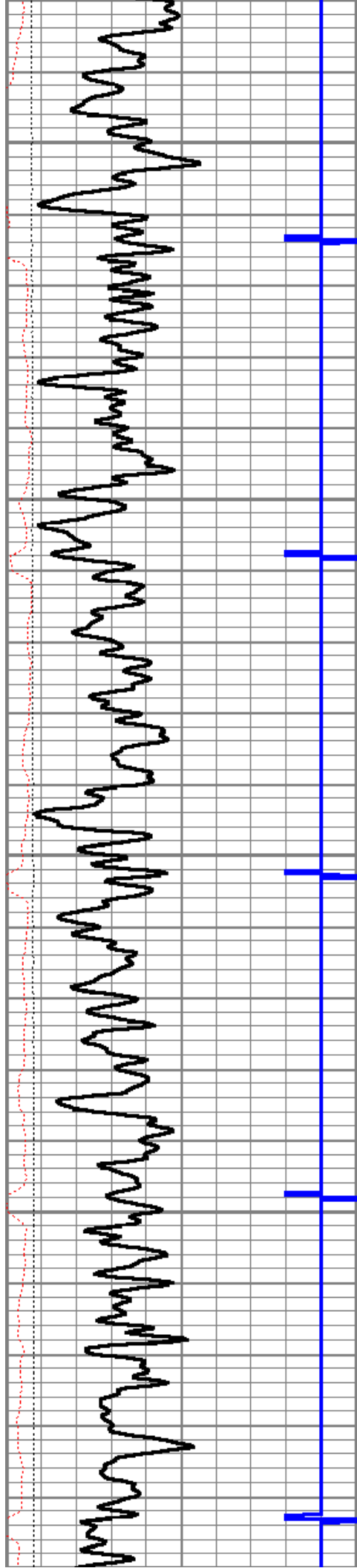
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59.8

61.2

62.1





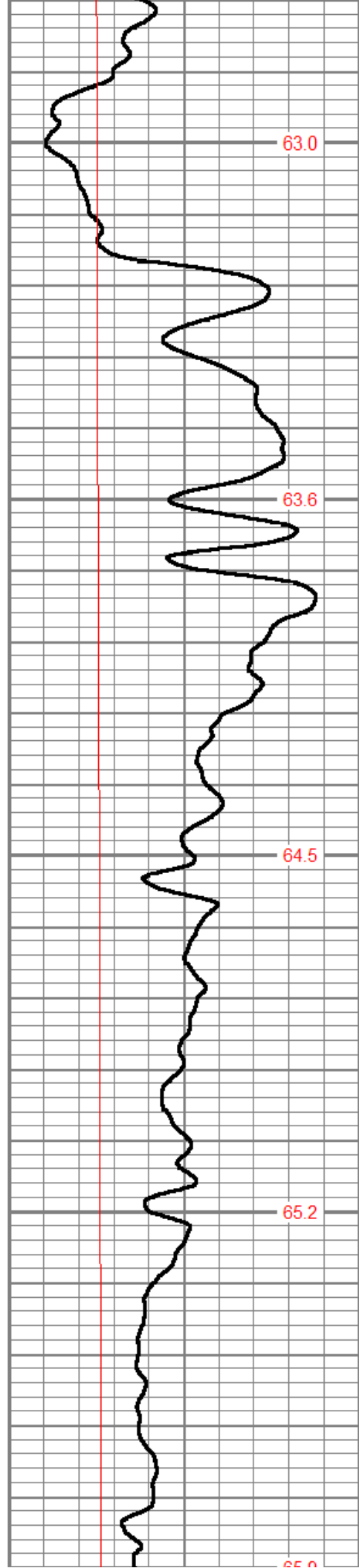
750

800

850

900

950



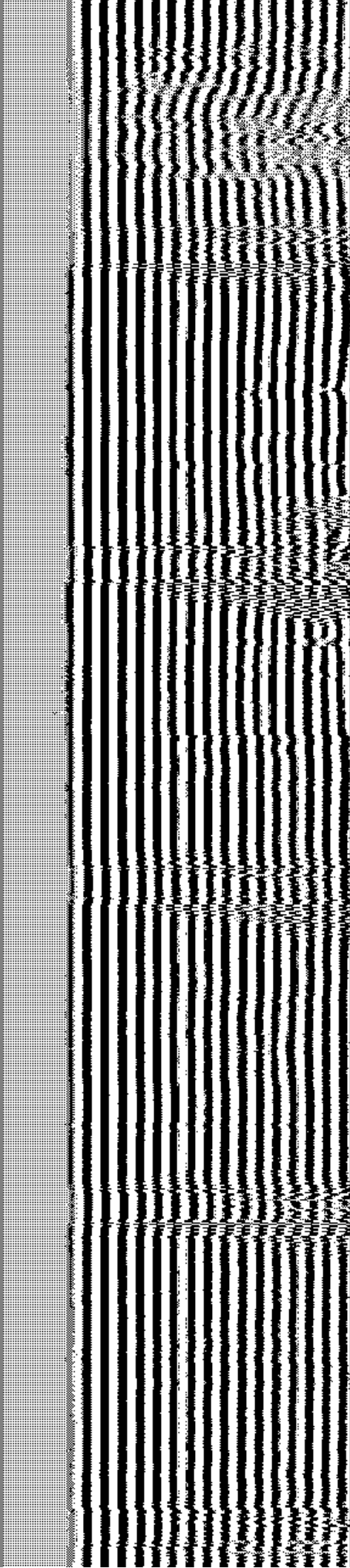
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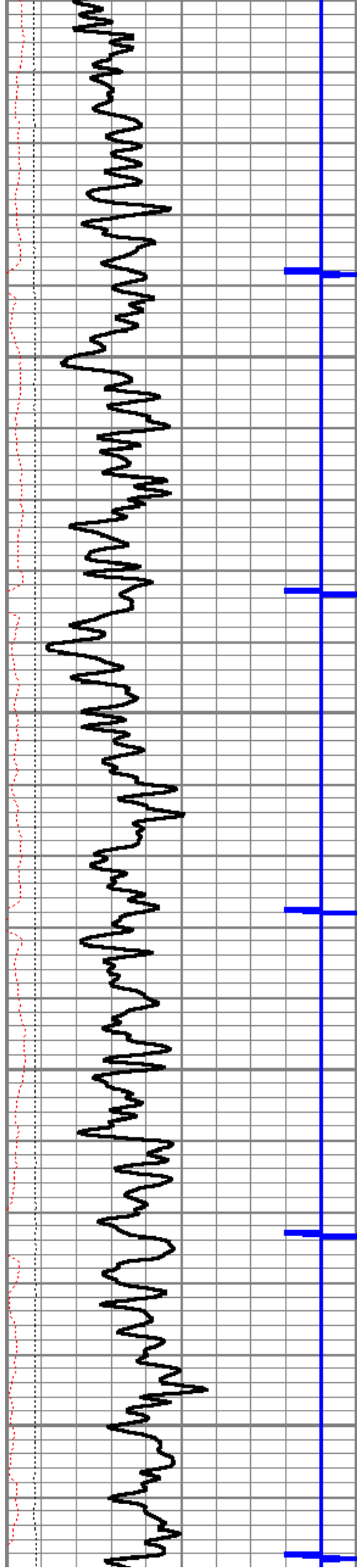
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64.5

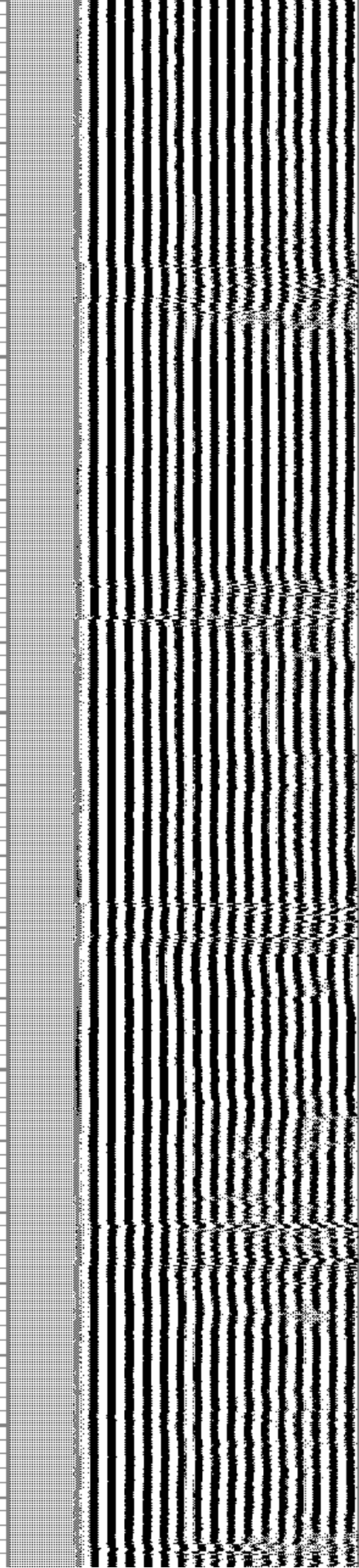
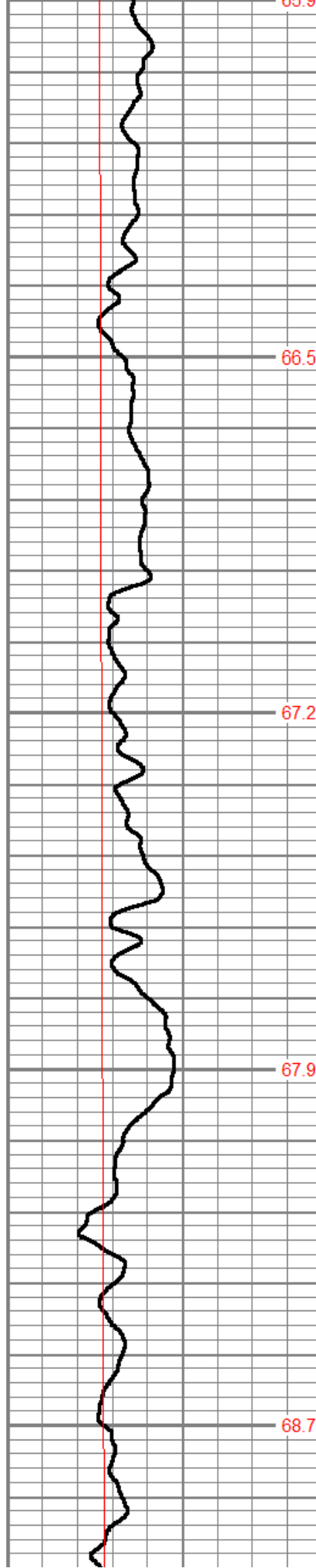
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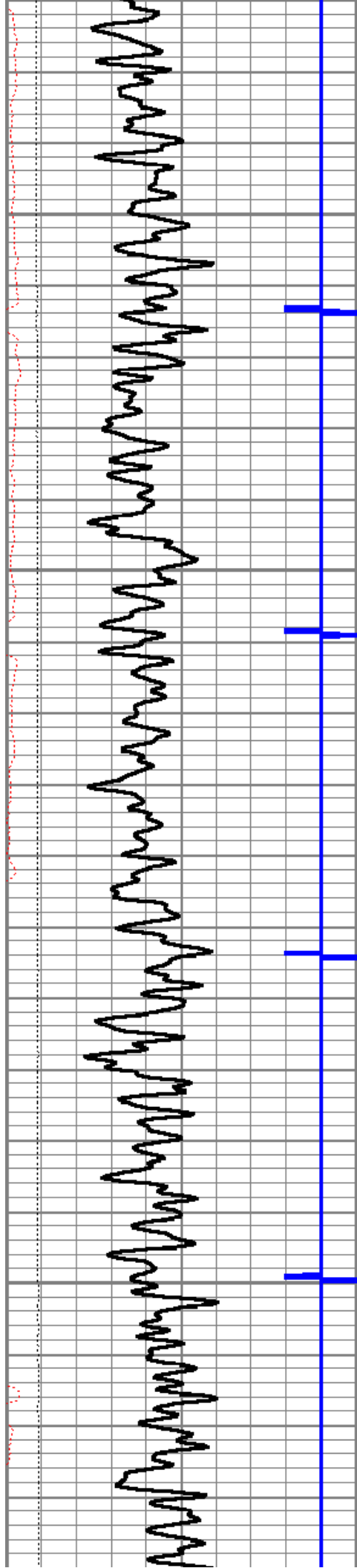
65.9





950
1000
1050
1100
1150



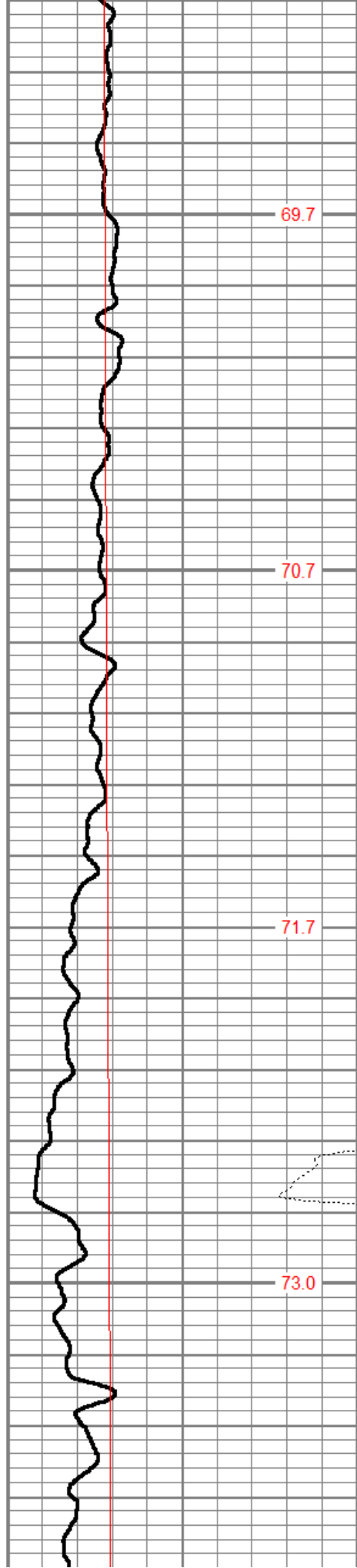


1200

1250

1300

1350

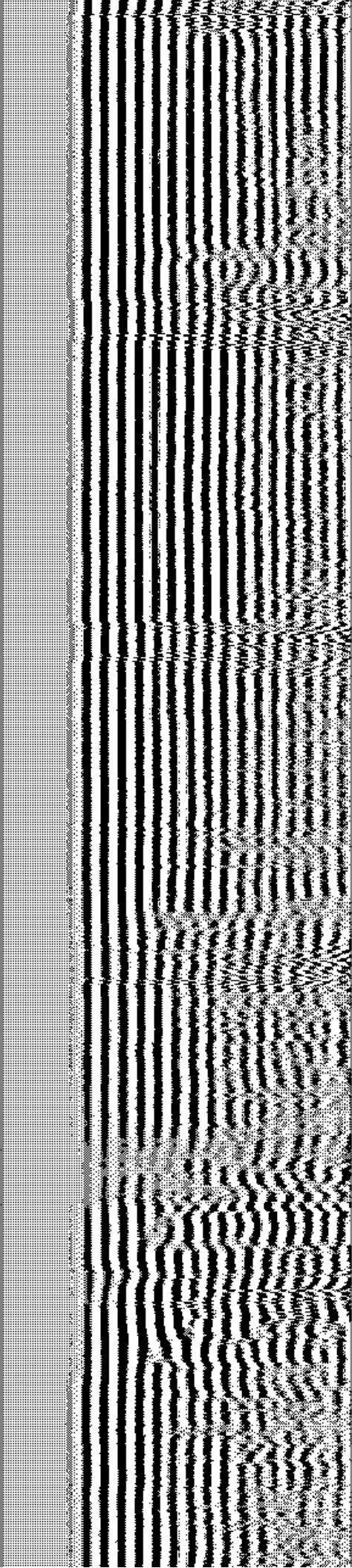


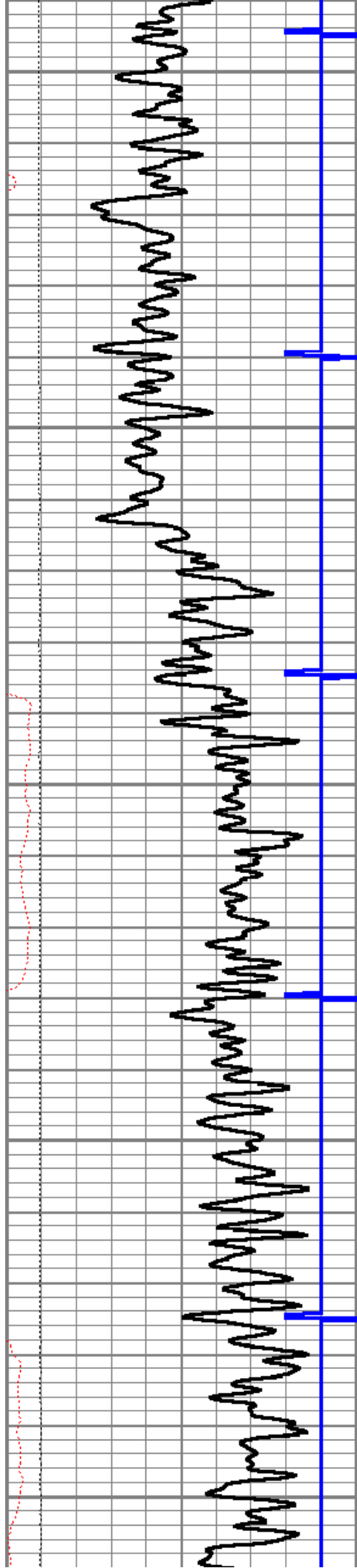
69.7

70.7

71.7

73.0





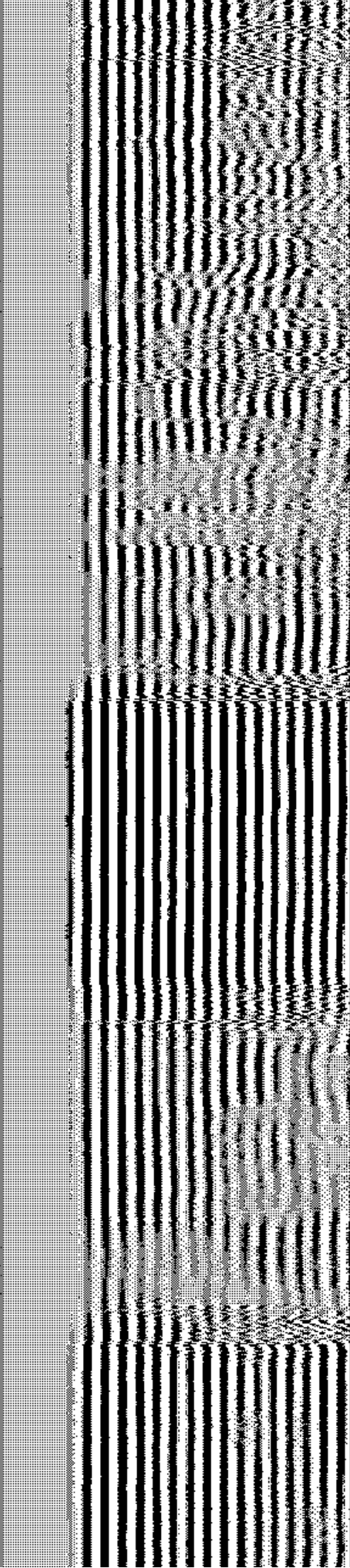
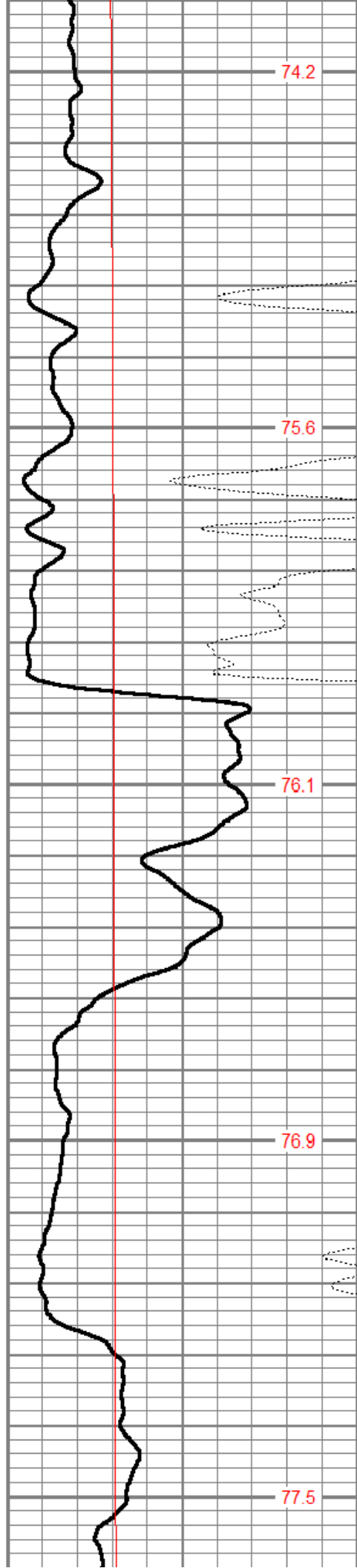
1400

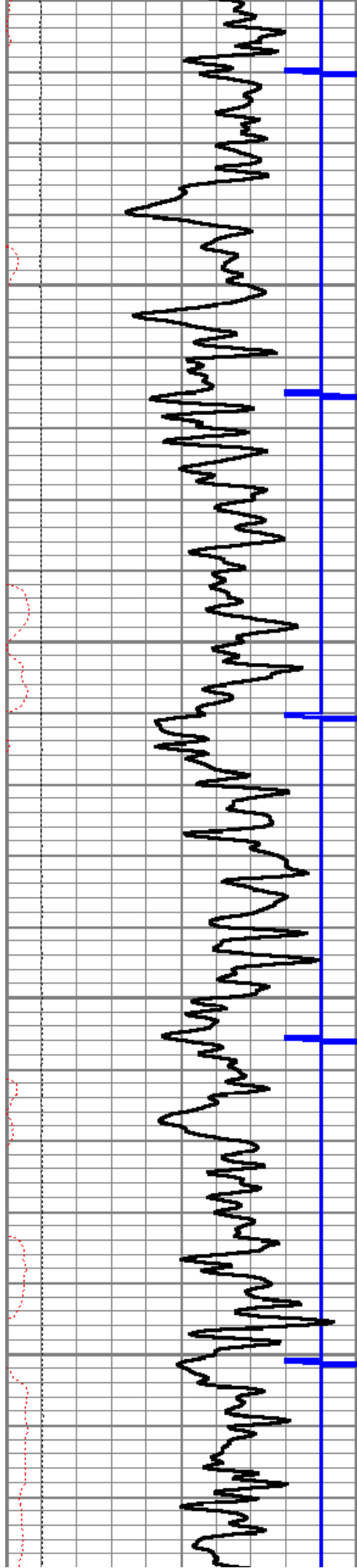
1450

1500

1550

1600



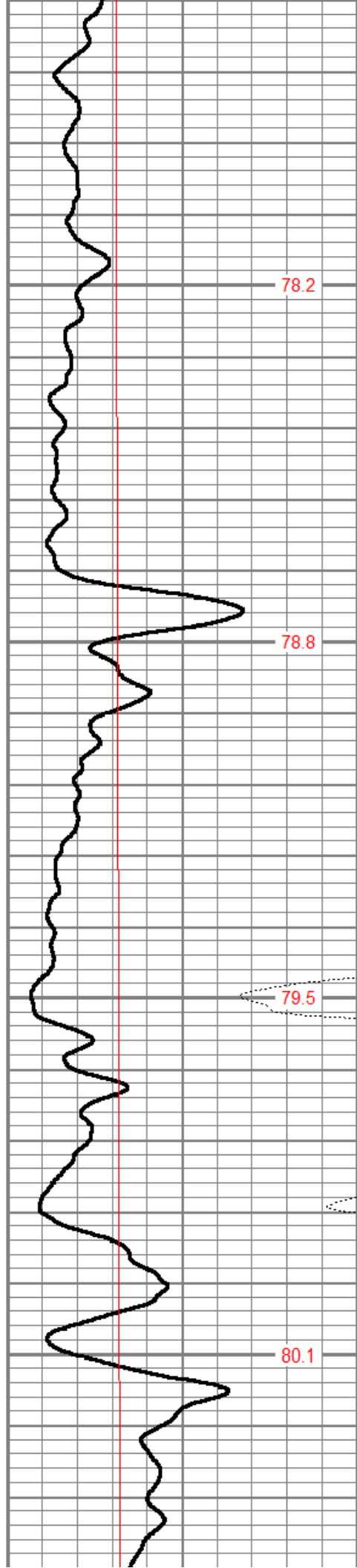


1650

1700

1750

1800

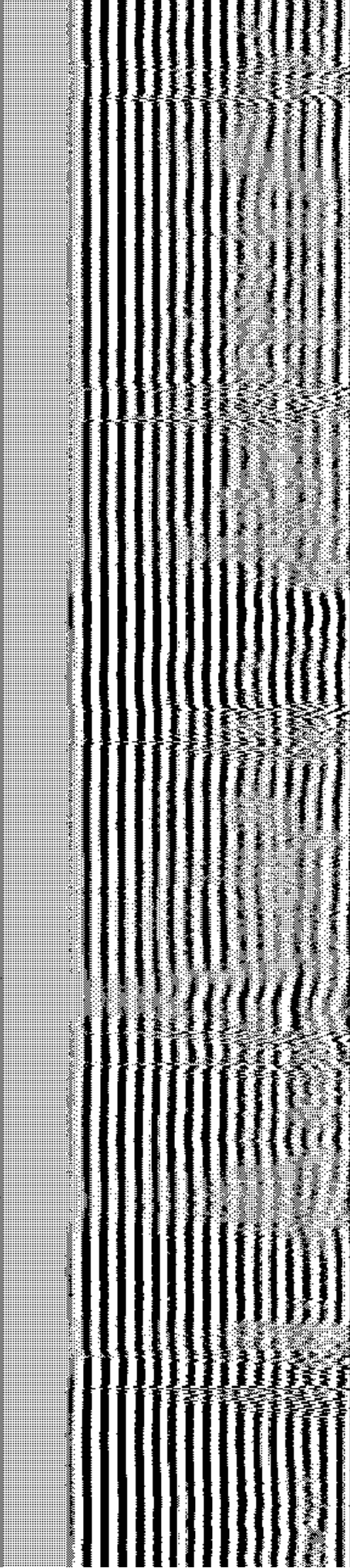


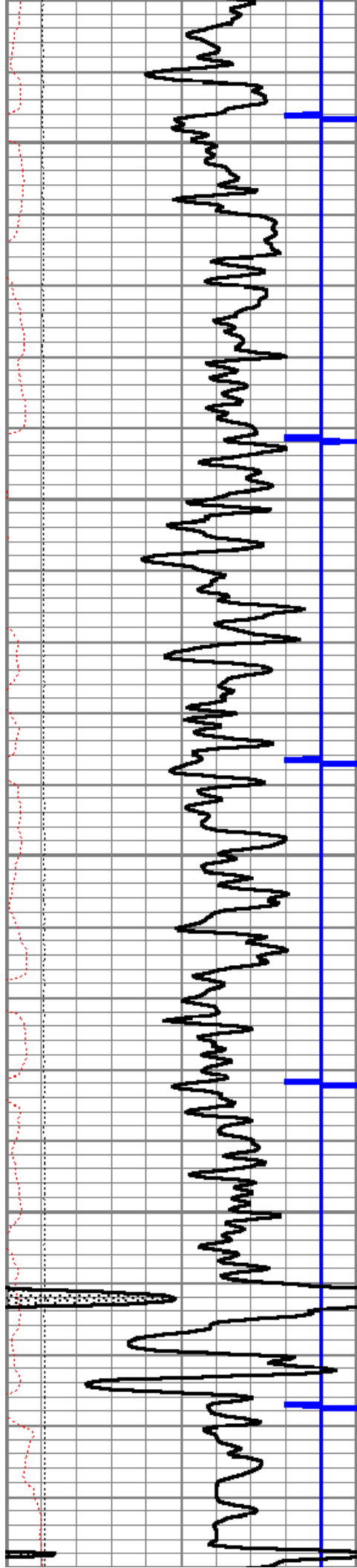
78.2

78.8

79.5

80.1





1850

1900

1950

2000

2050

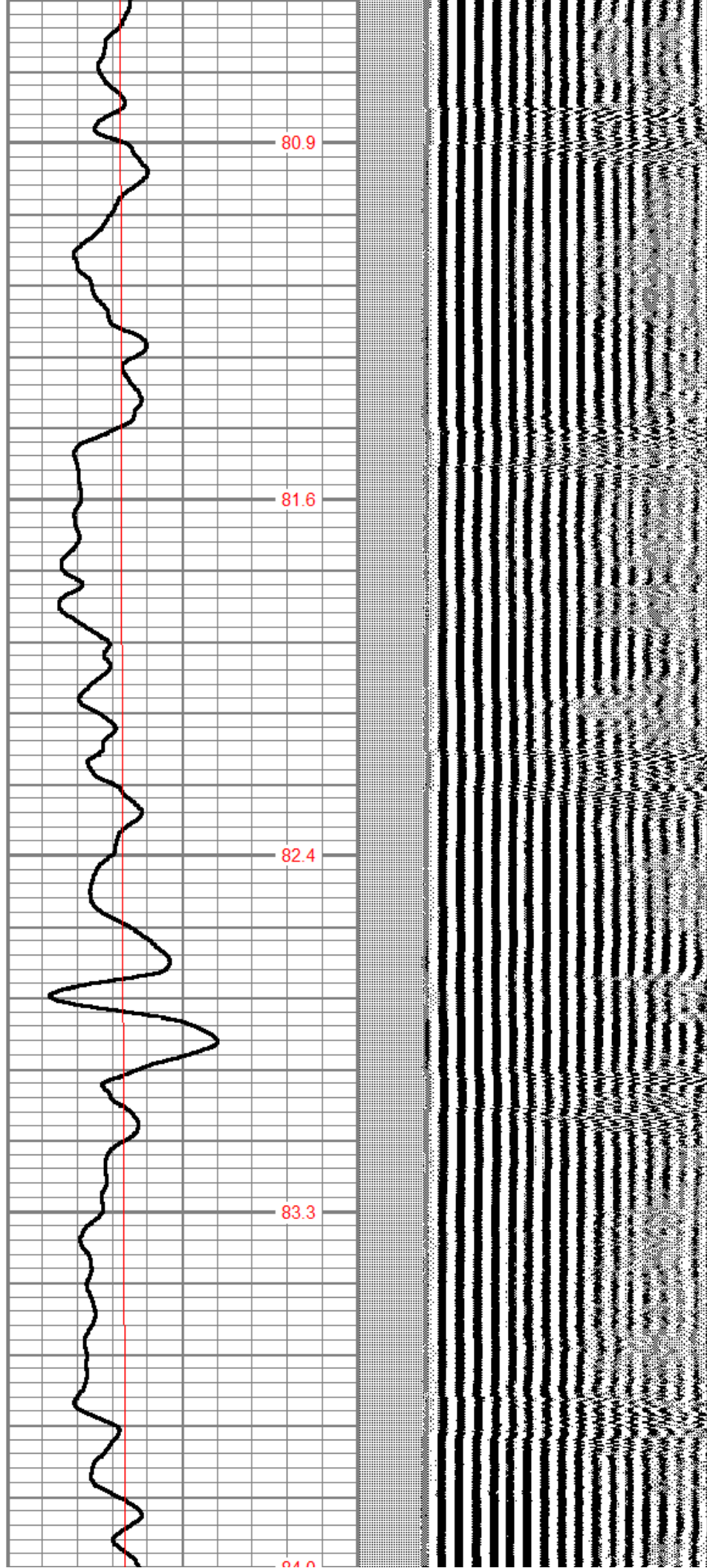
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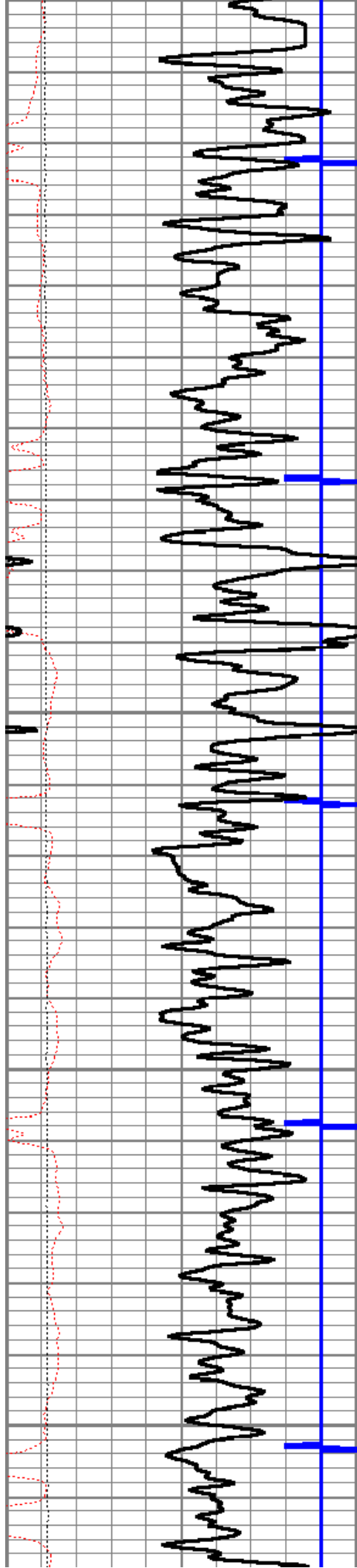
81.6

82.4

83.3

84.0





2050

2100

2150

2200

2250

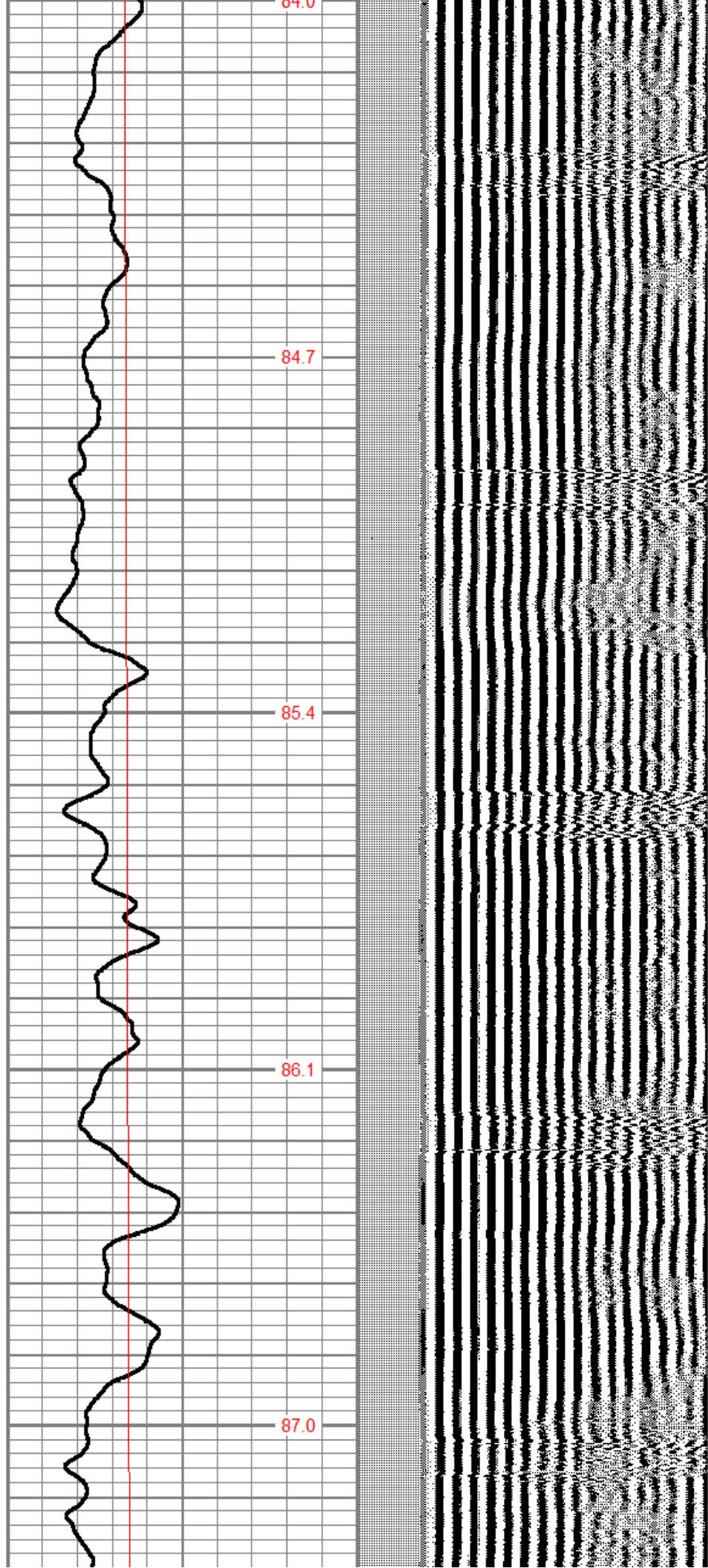
84.0

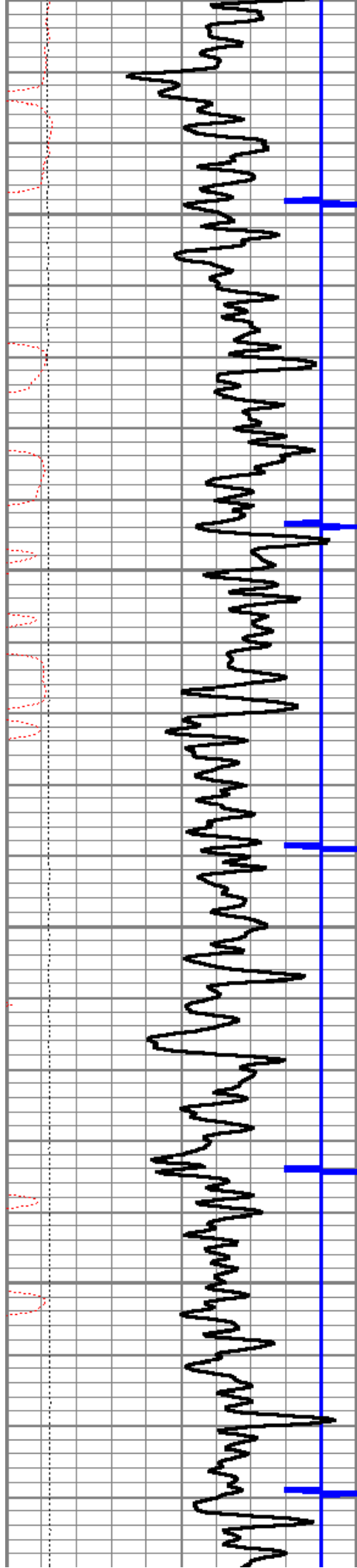
84.7

85.4

86.1

87.0





2300

2350

2400

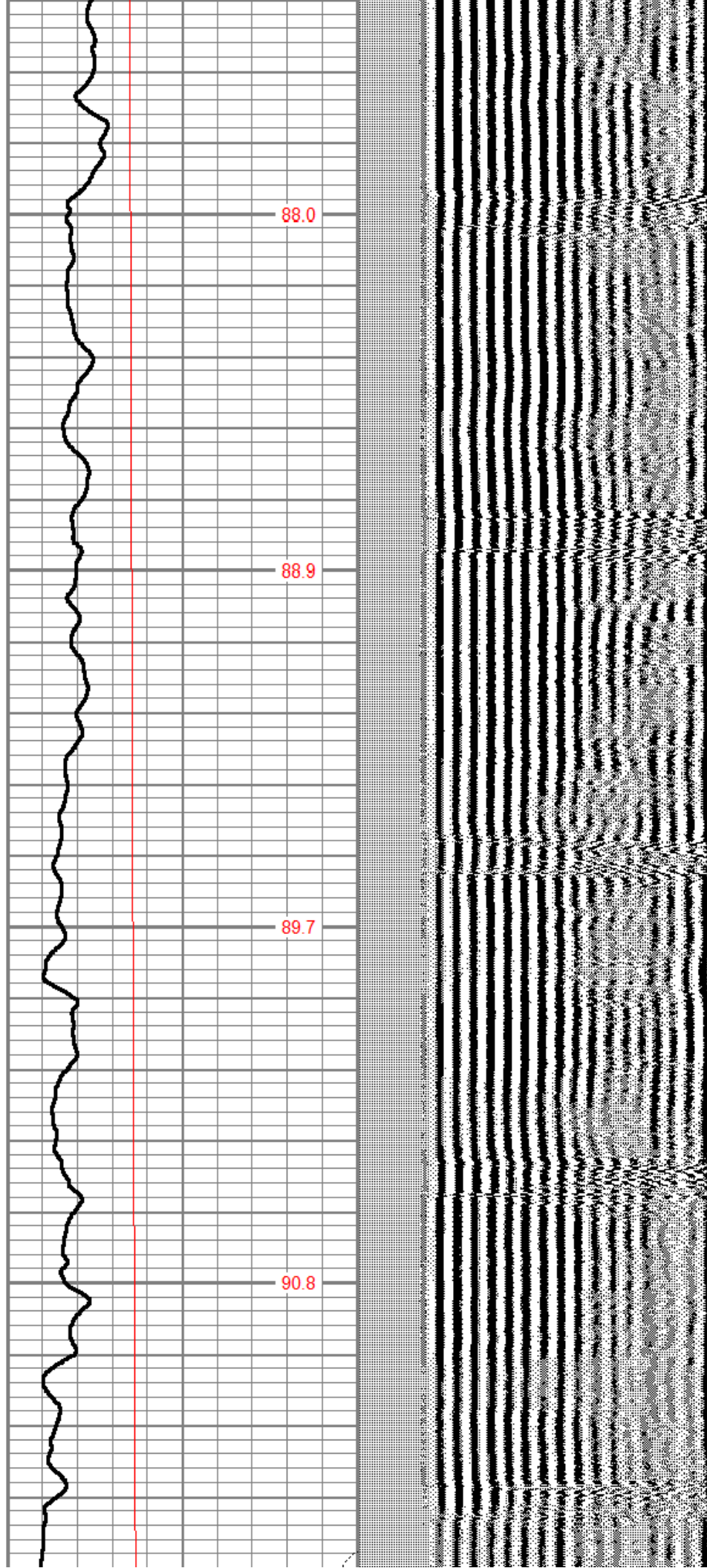
2450

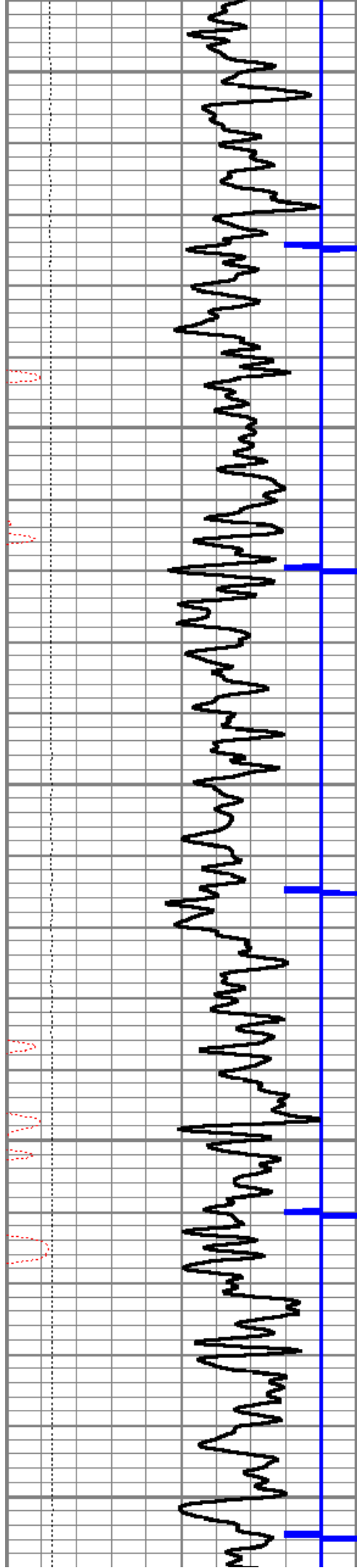
88.0

88.9

89.7

90.8





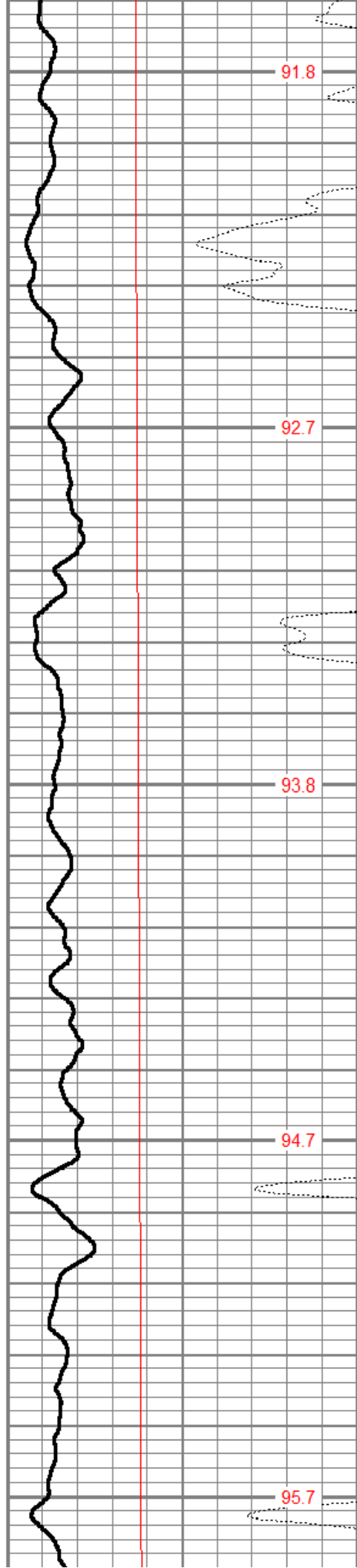
2500

2550

2600

2650

2700



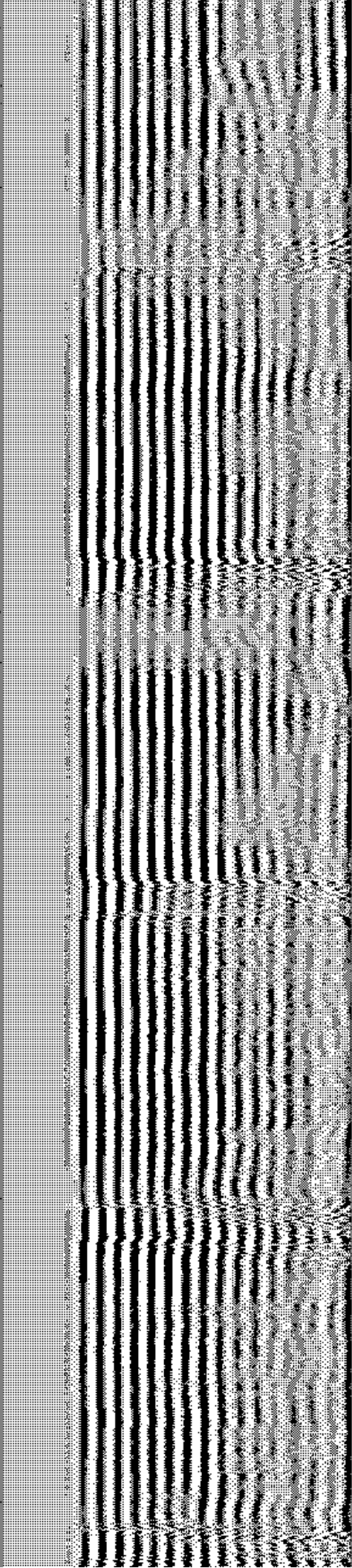
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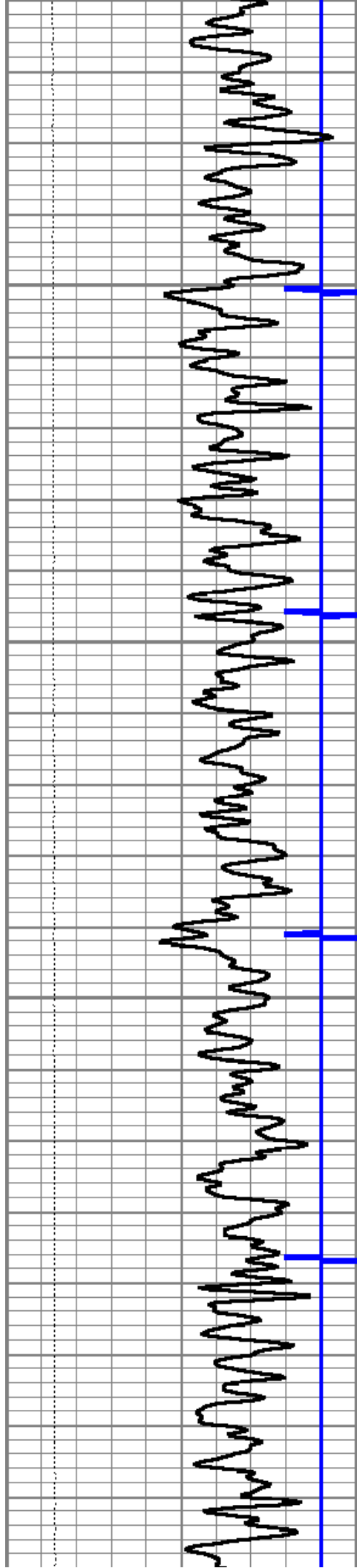
92.7

93.8

94.7

95.7



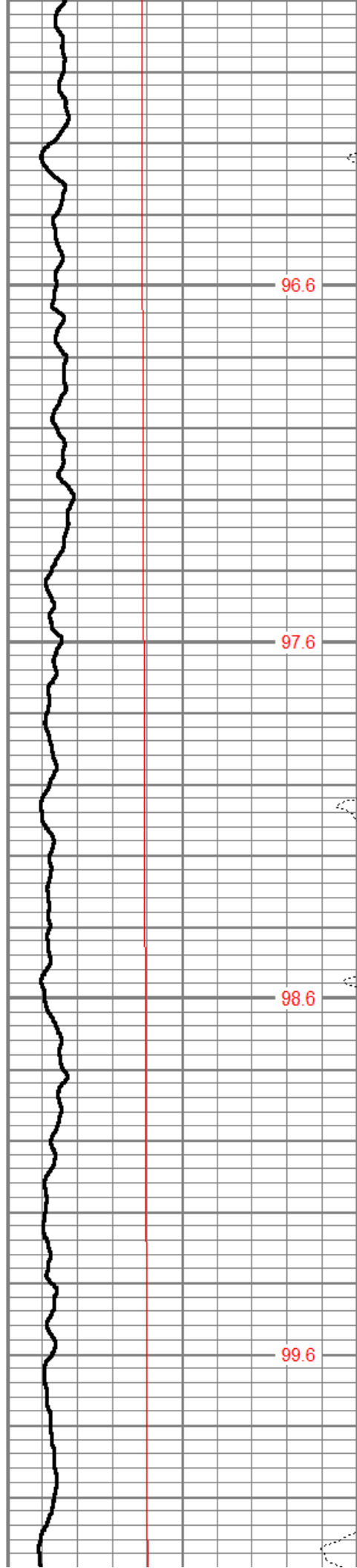


2750

2800

2850

2900

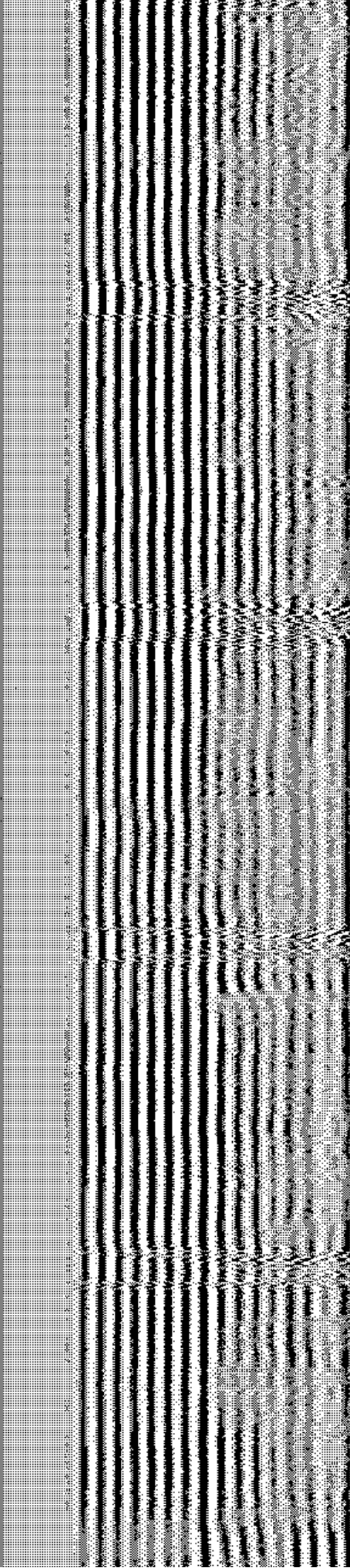


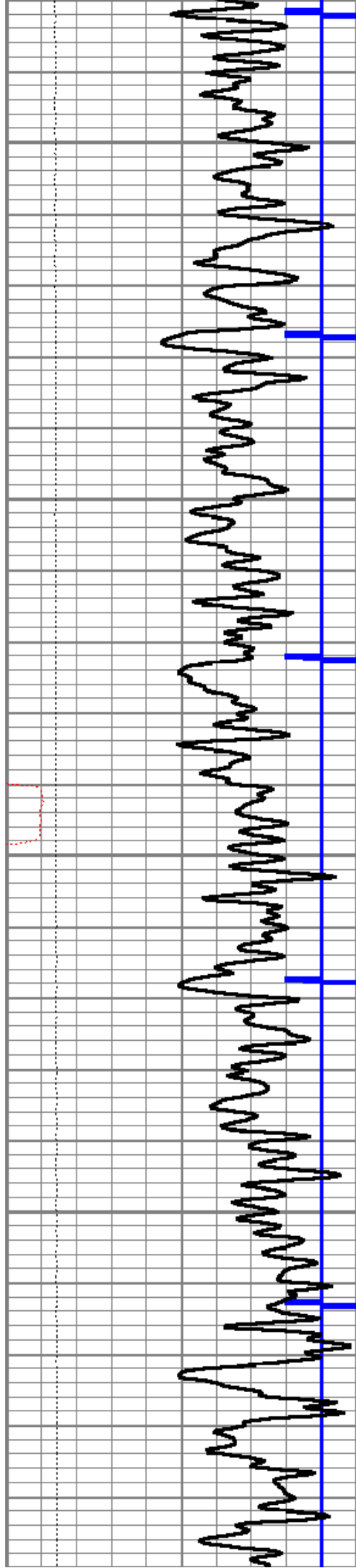
96.6

97.6

98.6

99.6





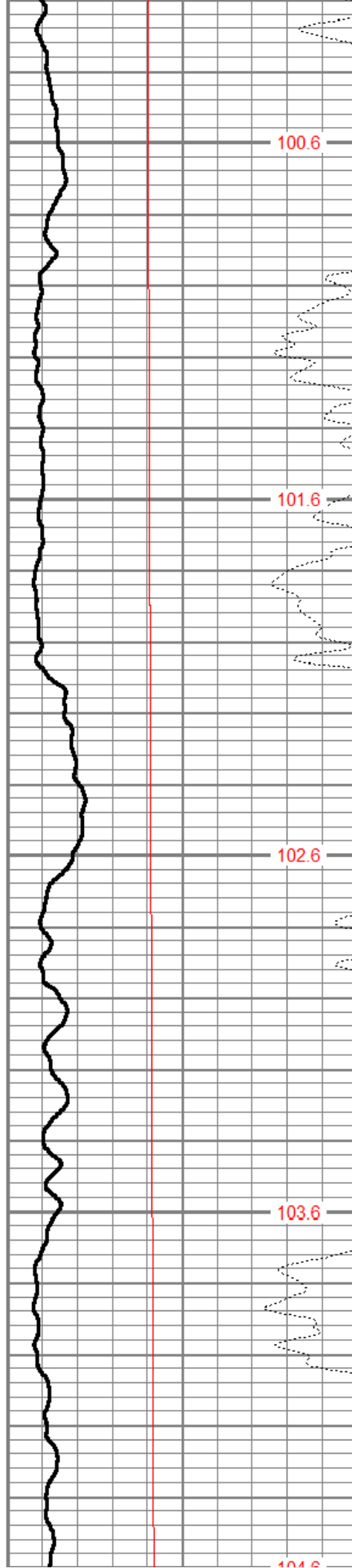
2950

3000

3050

3100

3150



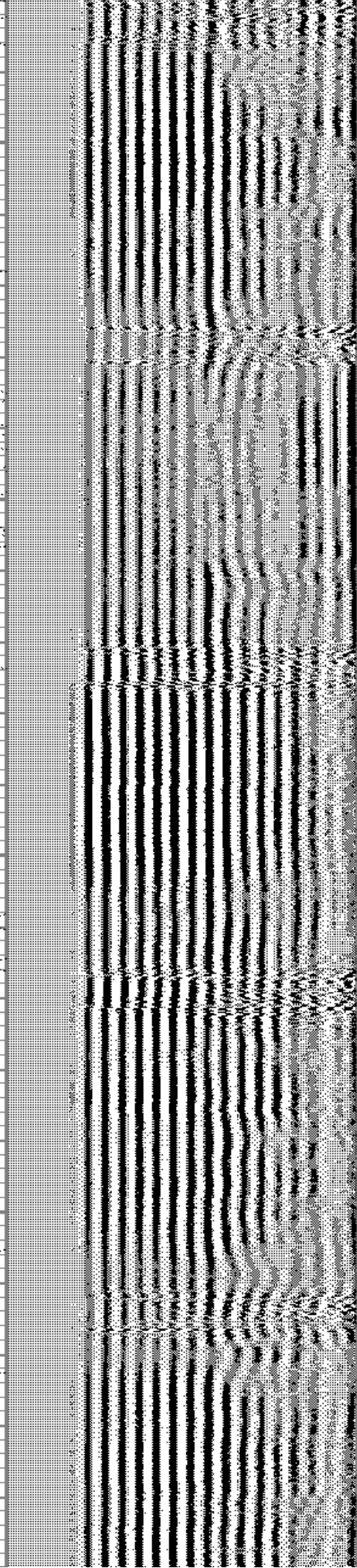
100.6

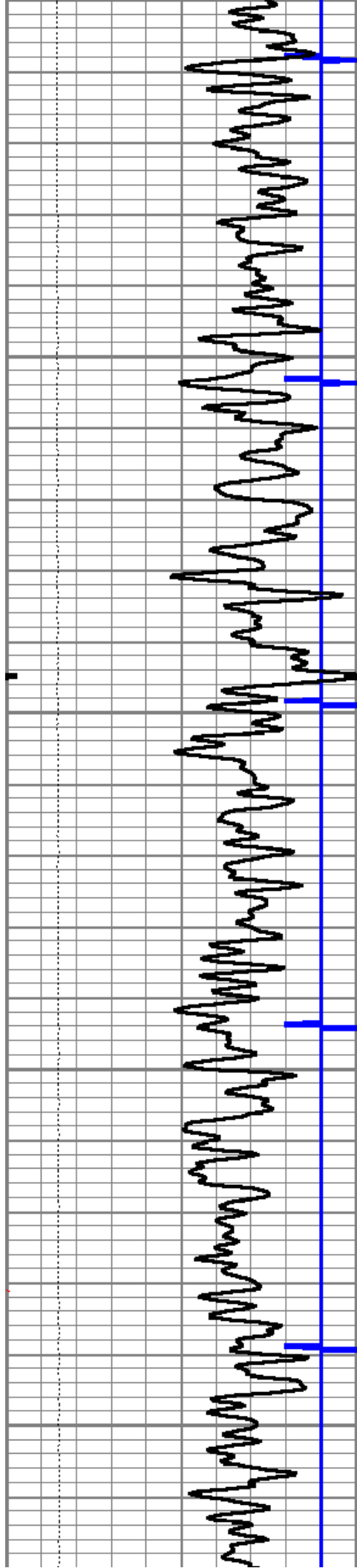
101.6

102.6

103.6

104.6





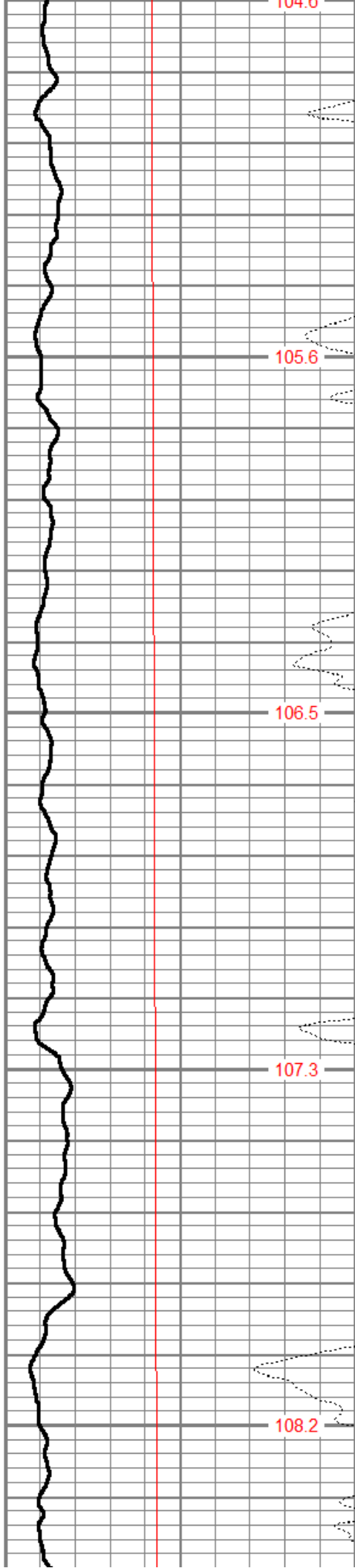
3150

3200

3250

3300

3350



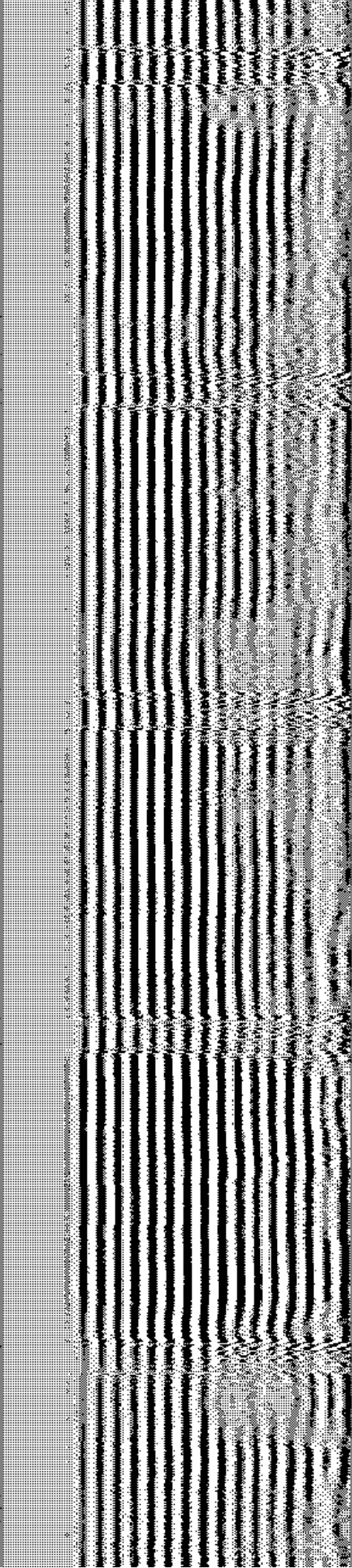
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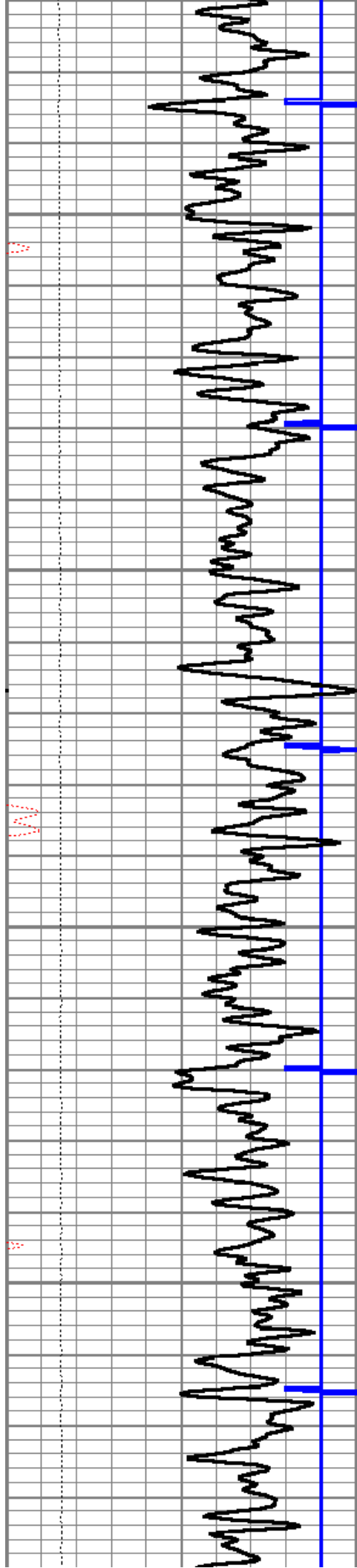
105.6

106.5

107.3

108.2





3400

3450

3500

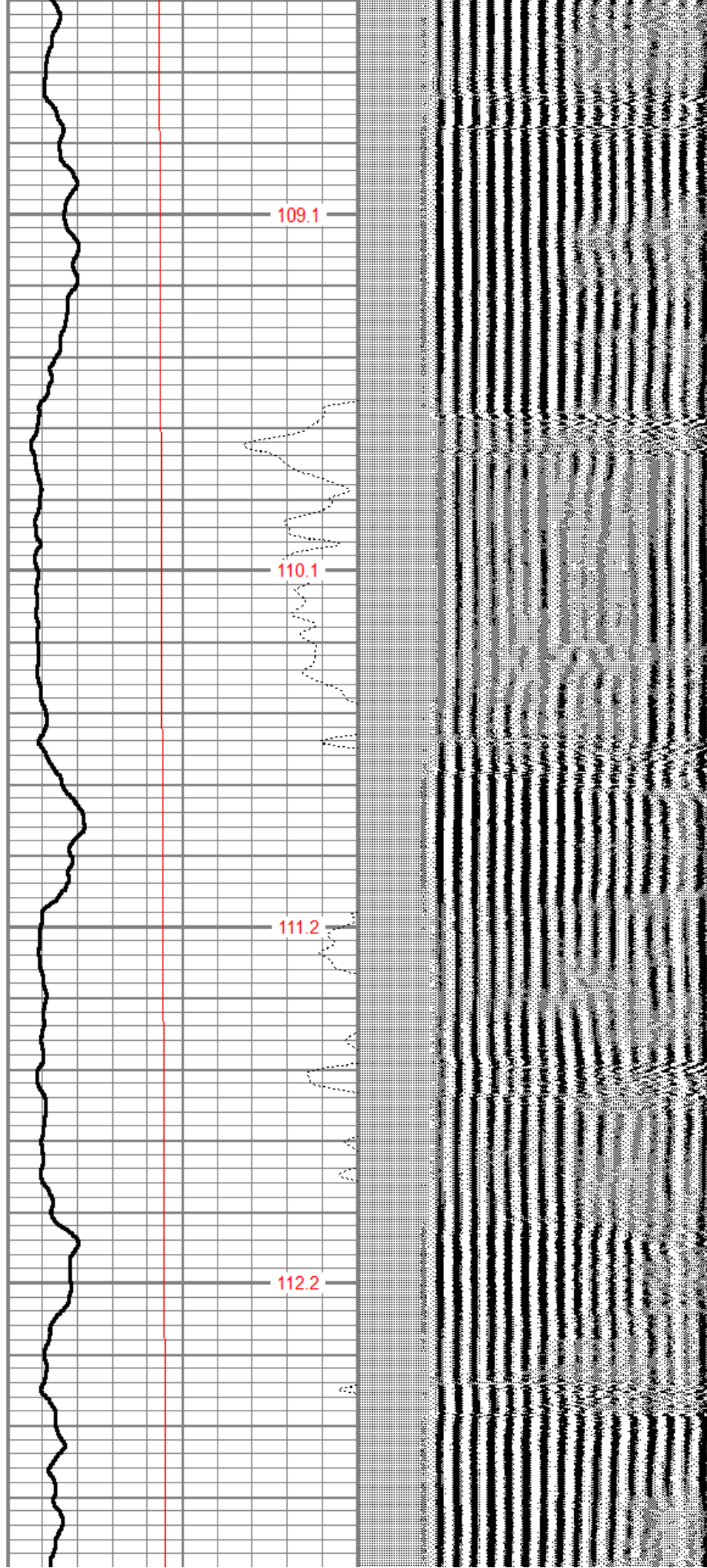
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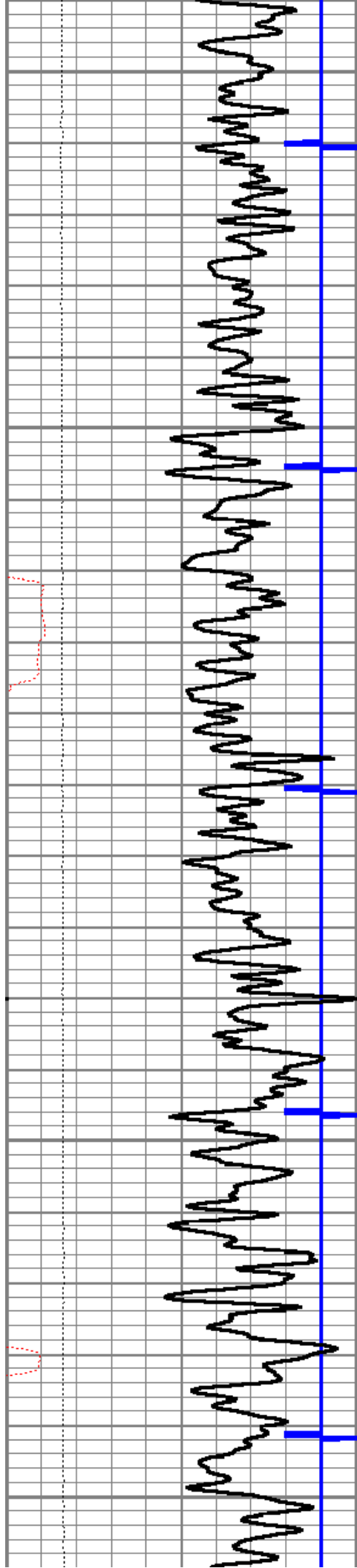
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110.1

111.2

112.2





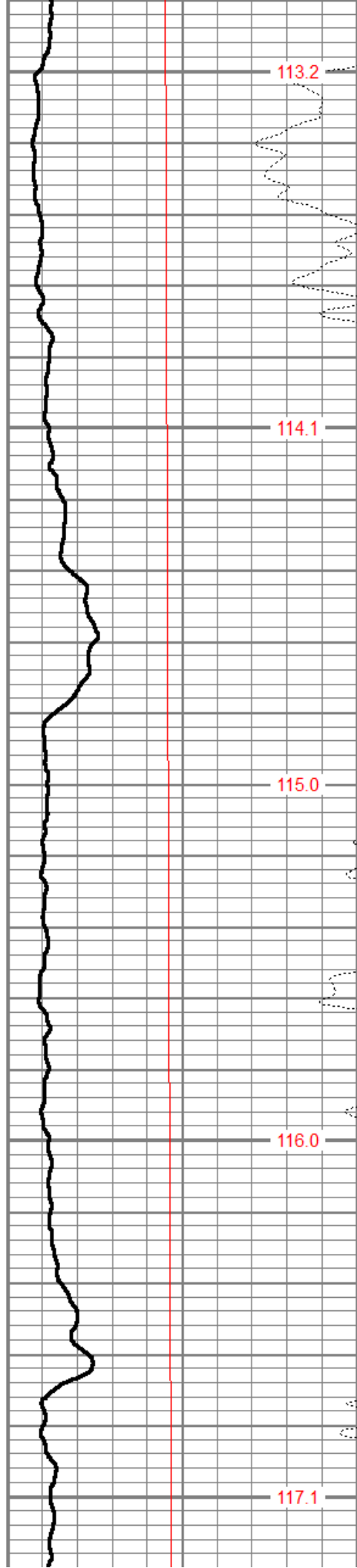
3600

3650

3700

3750

3800



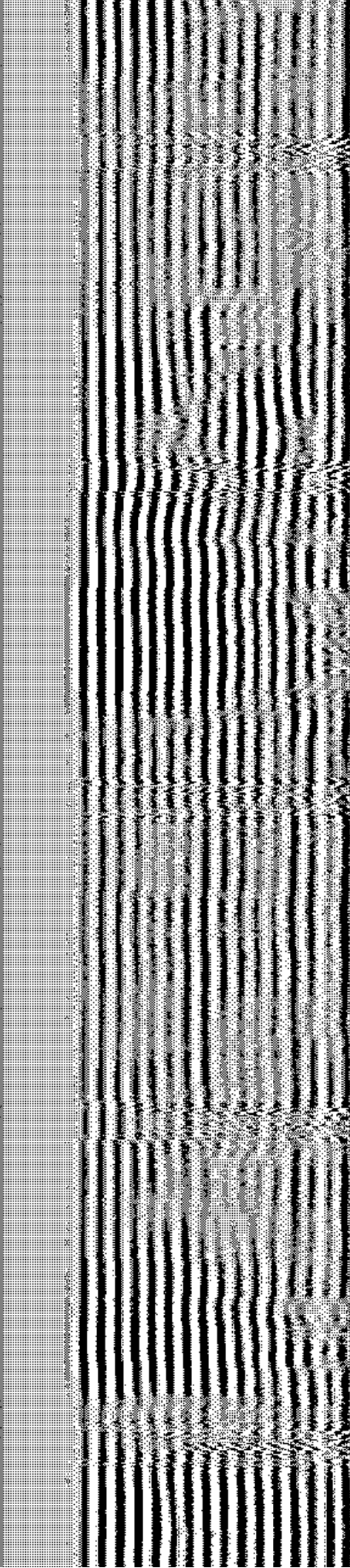
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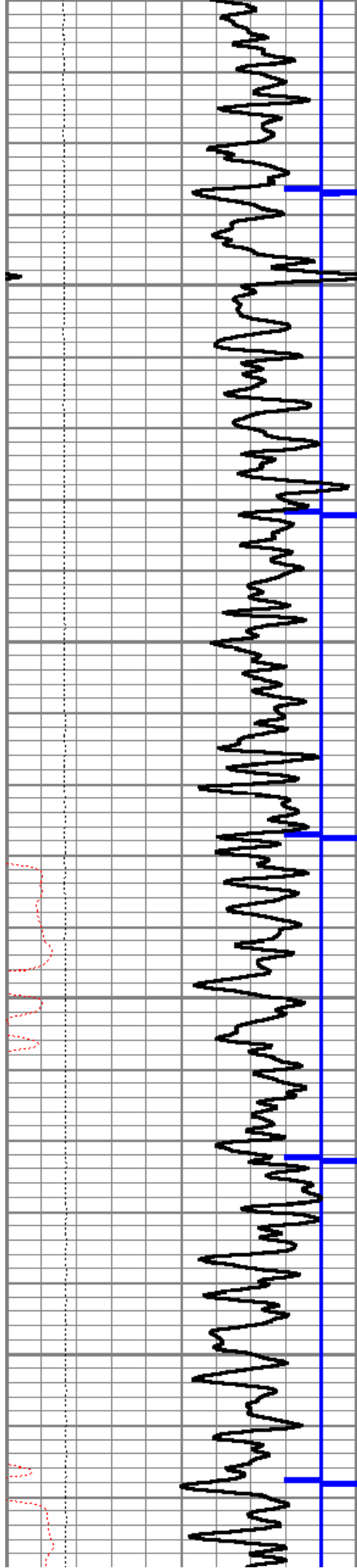
114.1

115.0

116.0

117.1



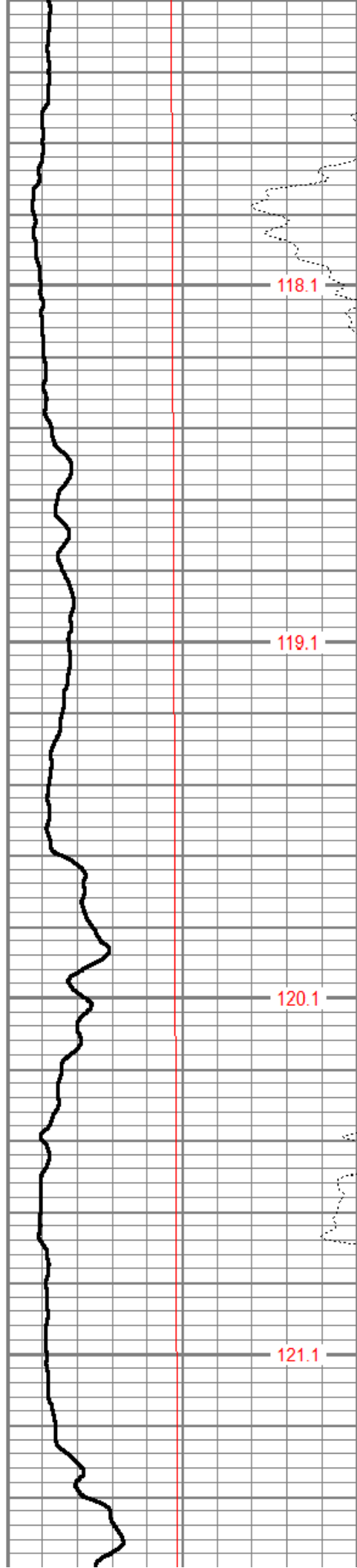


3850

3900

3950

4000

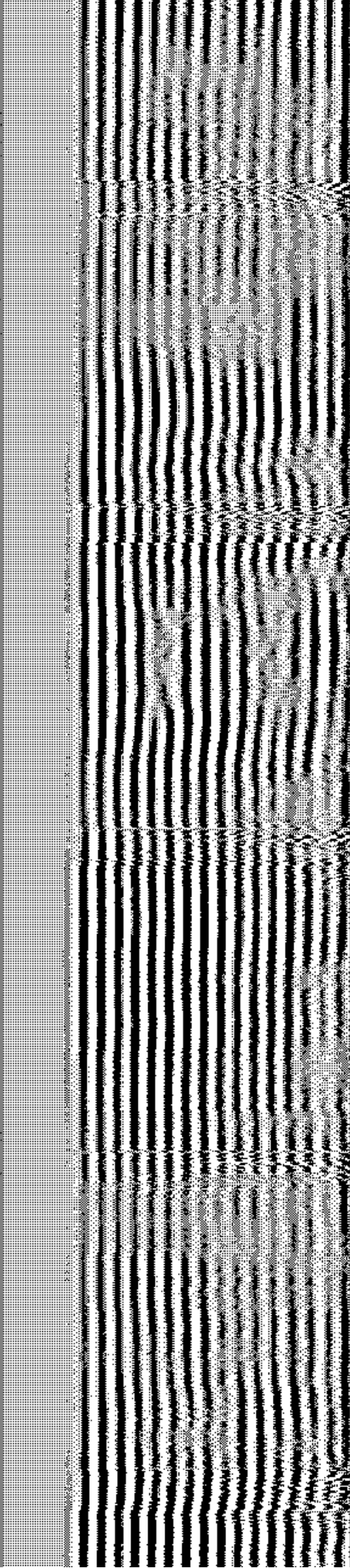


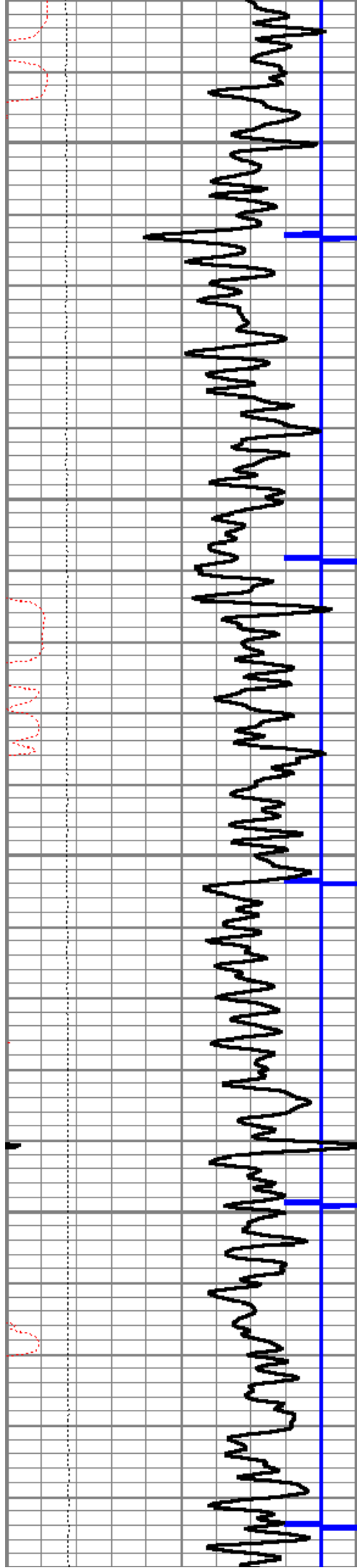
118.1

119.1

120.1

121.1





4050

4100

4150

4200

4250

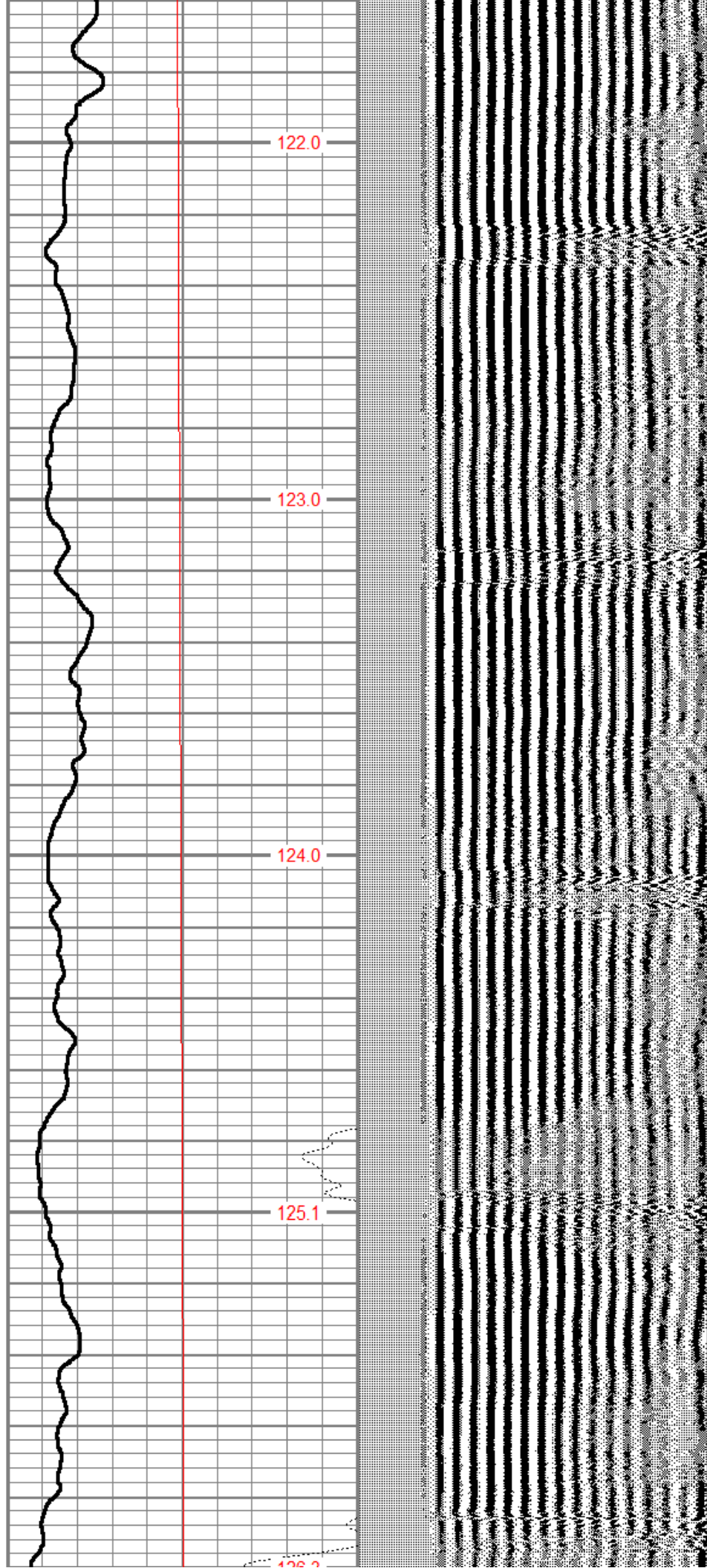
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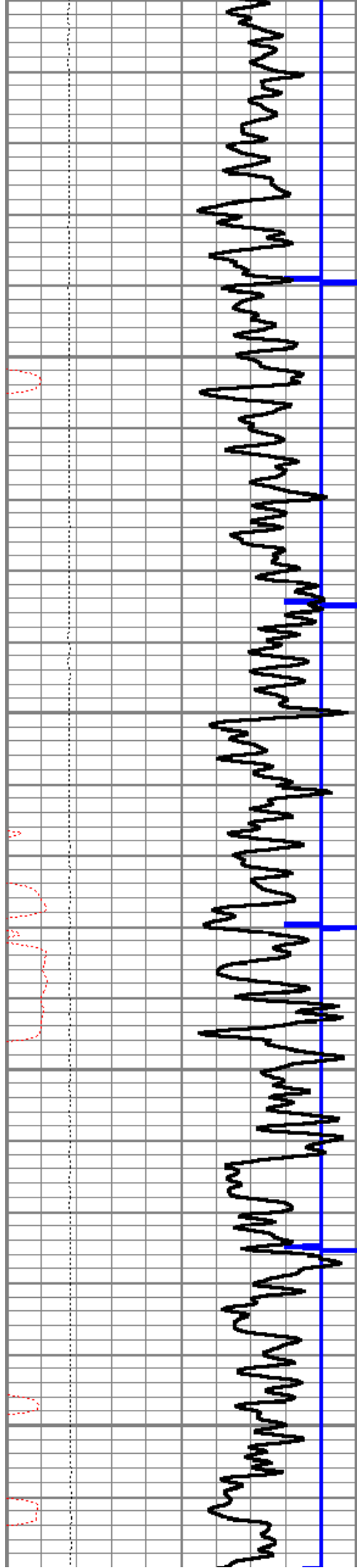
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124.0

125.1

126.2





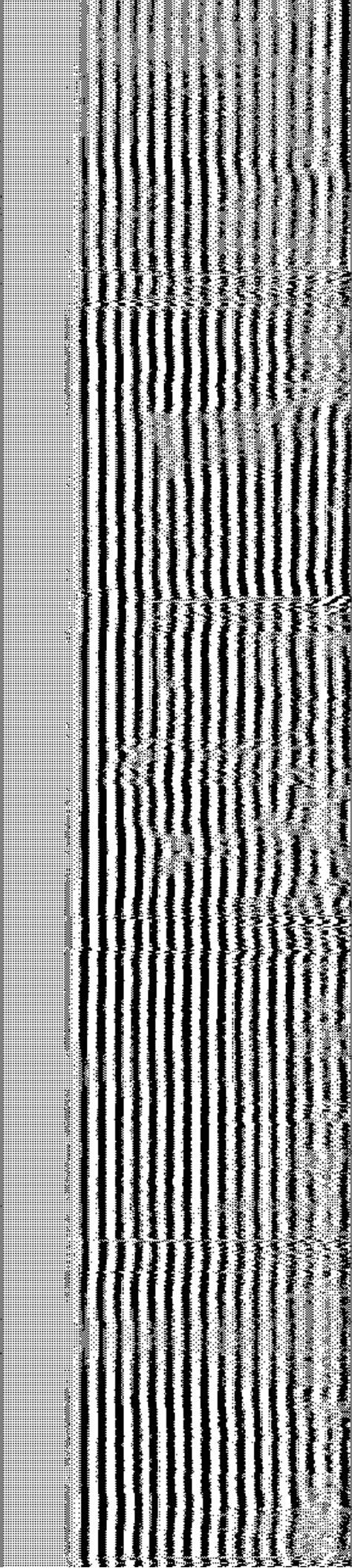
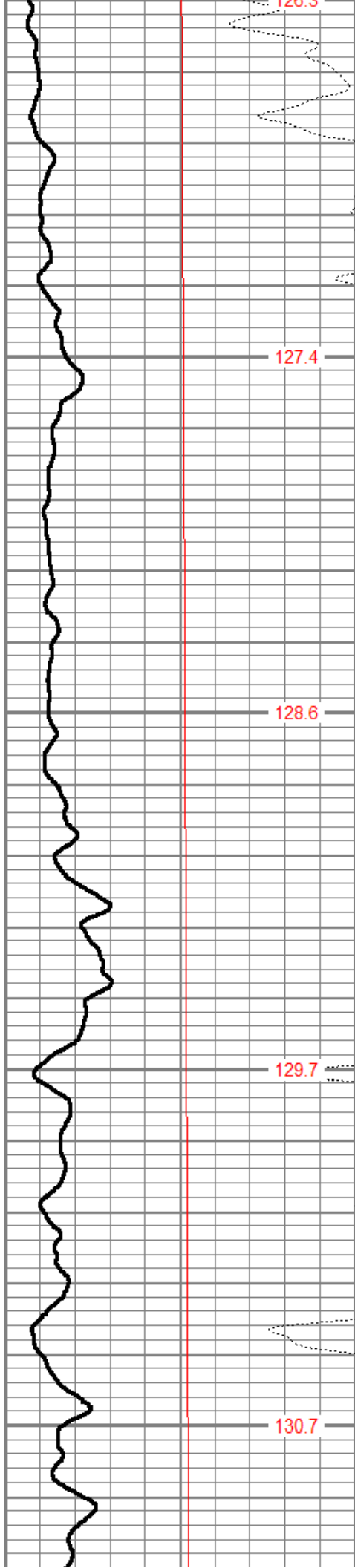
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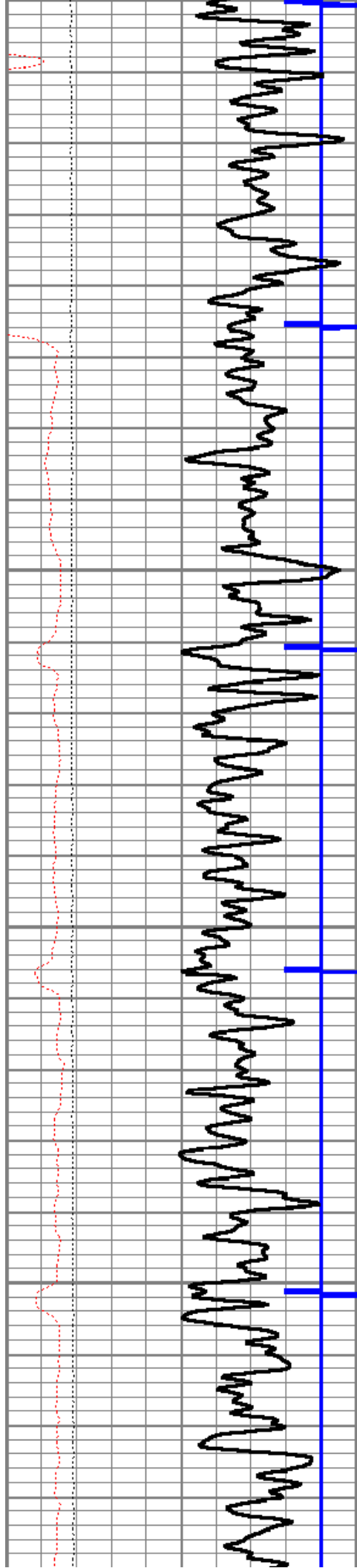
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4350

4400

4450



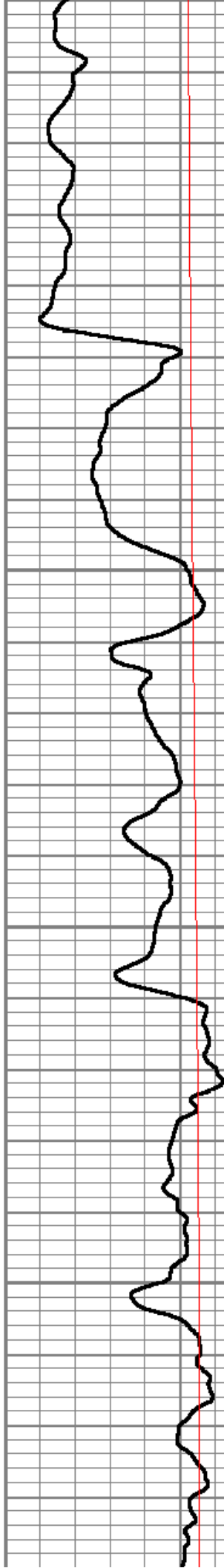


4500

4550

4600

4650

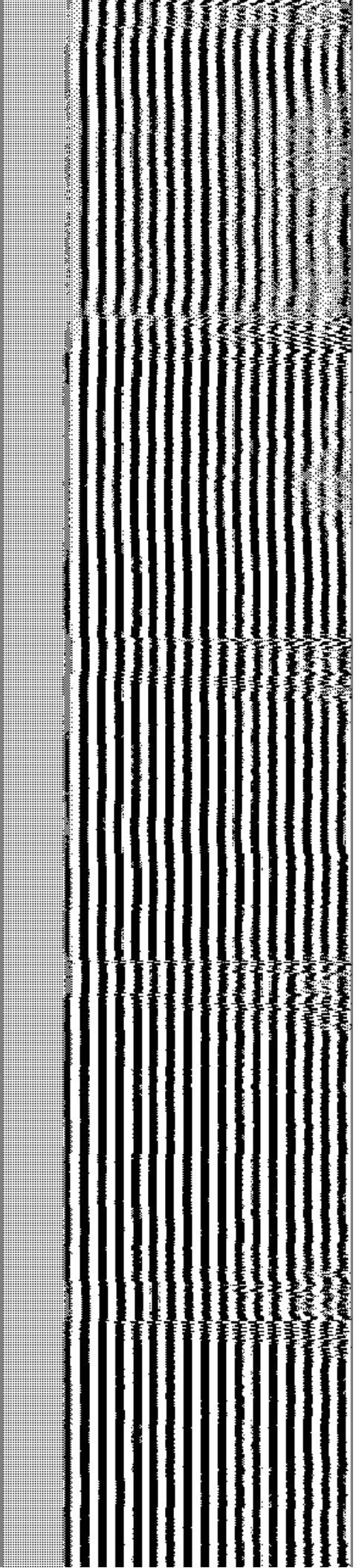


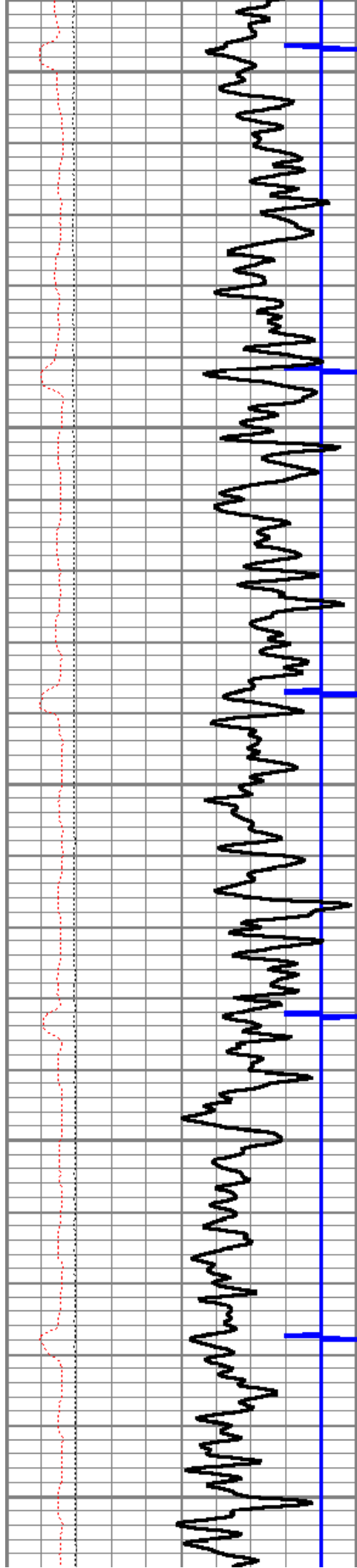
132.1

134.2

136.8

138.7





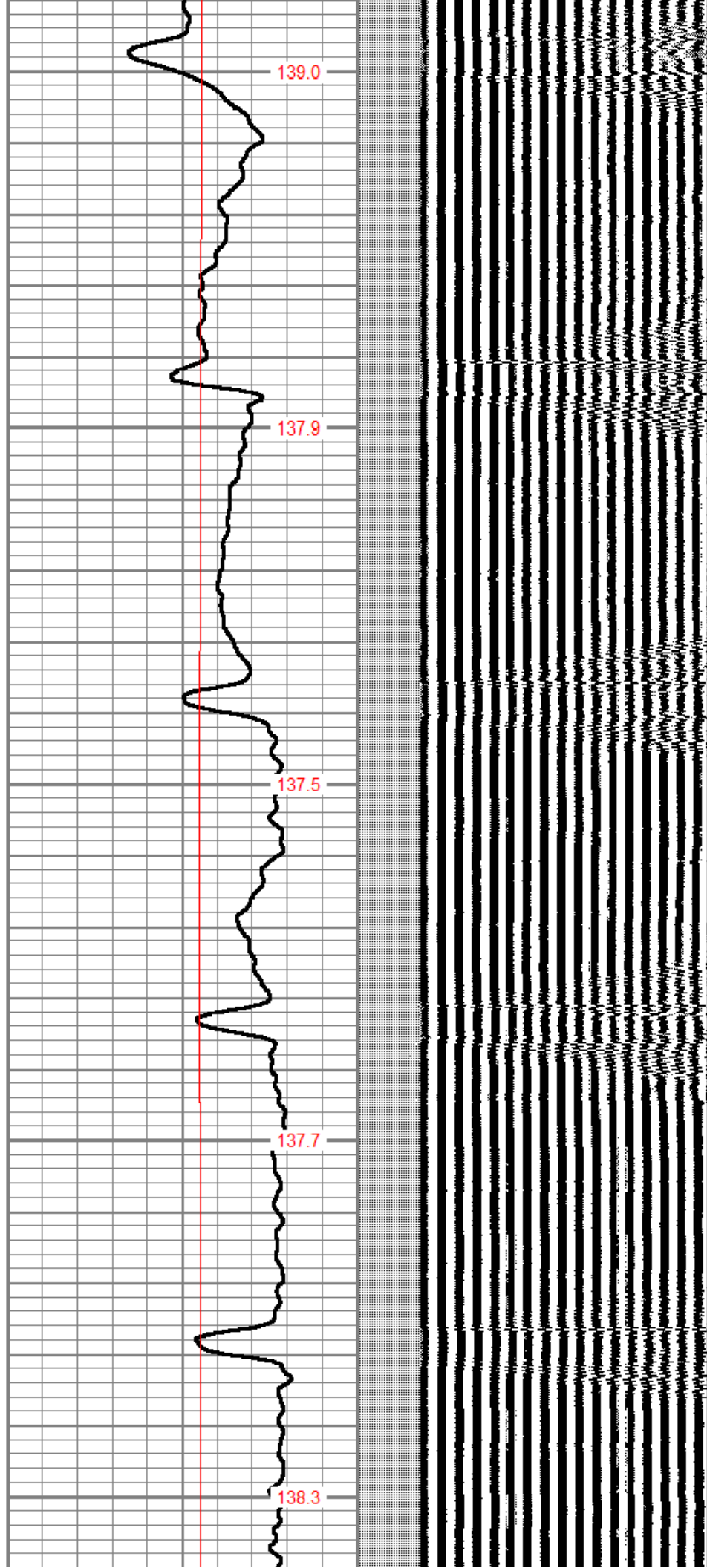
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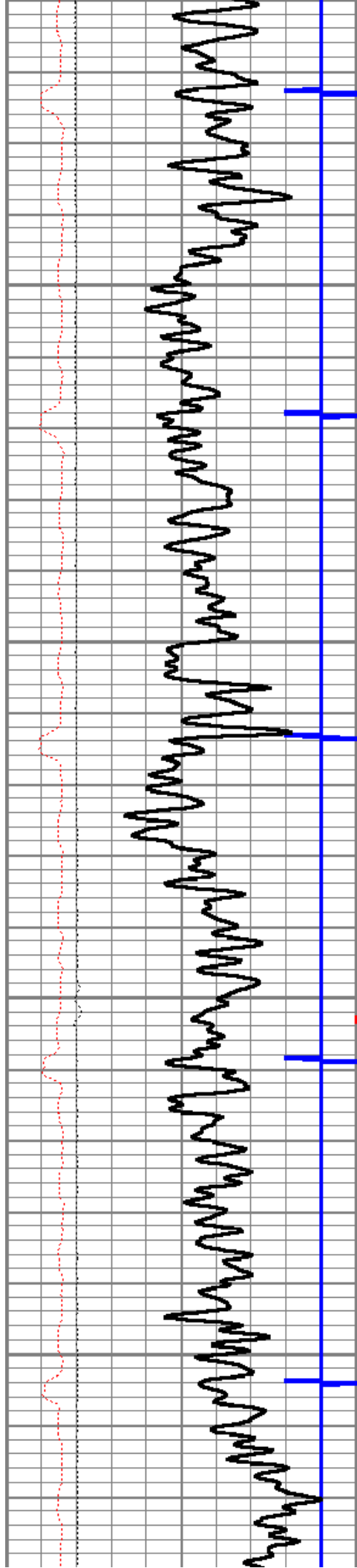
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4800

4850

4900



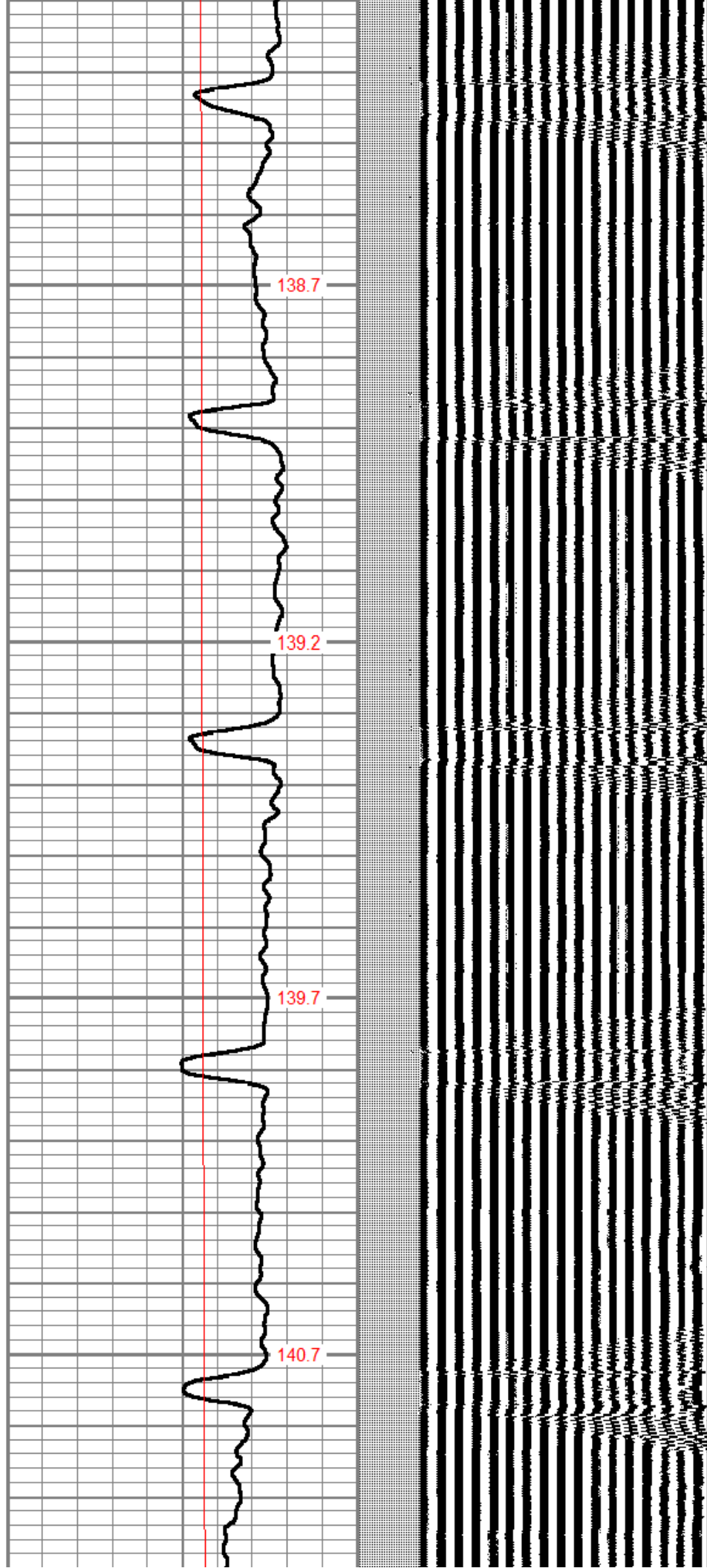


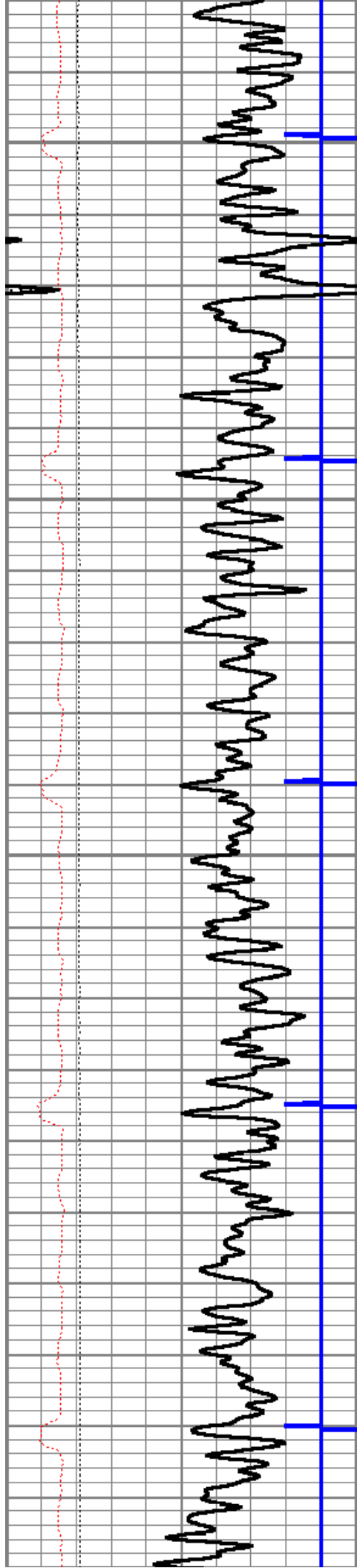
4950

5000

5050

5100





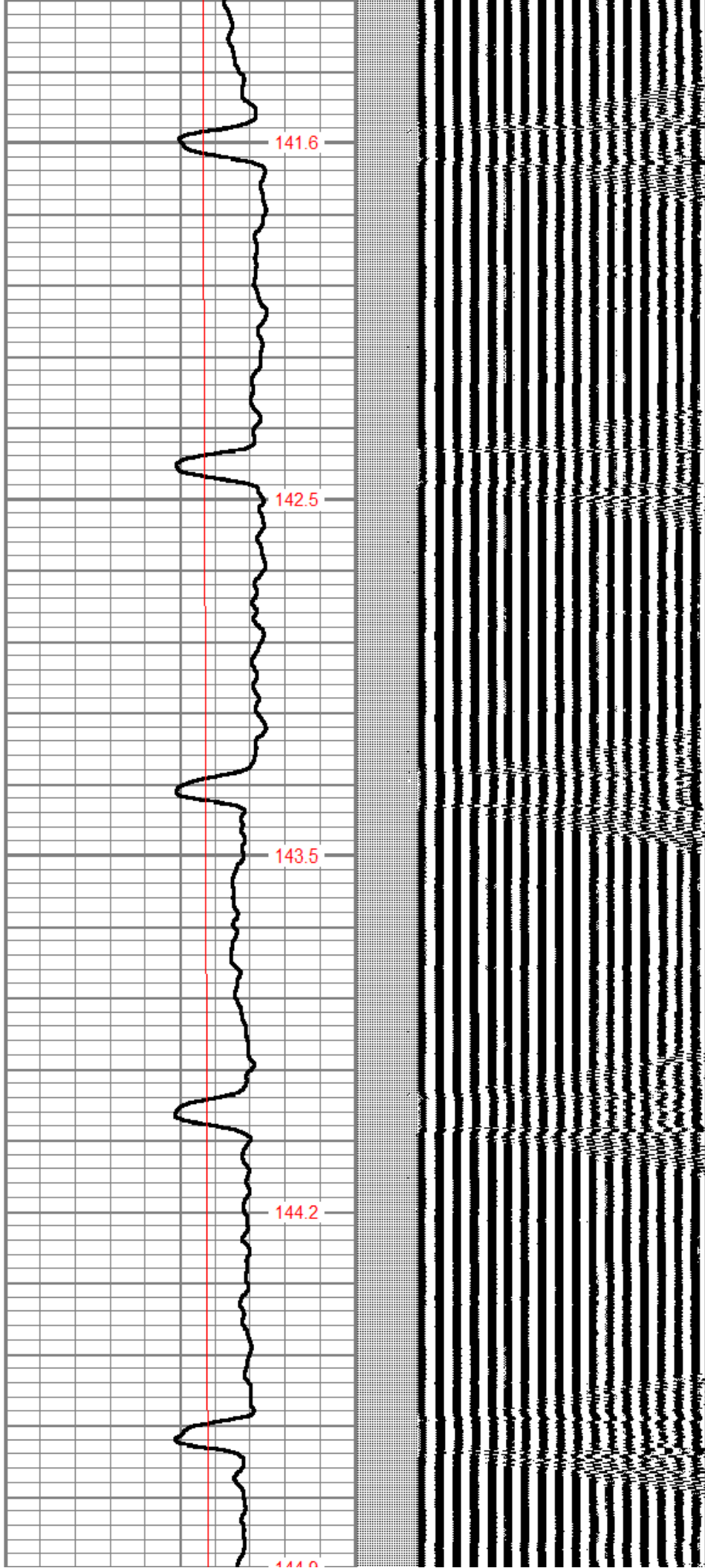
5150

5200

5250

5300

5350



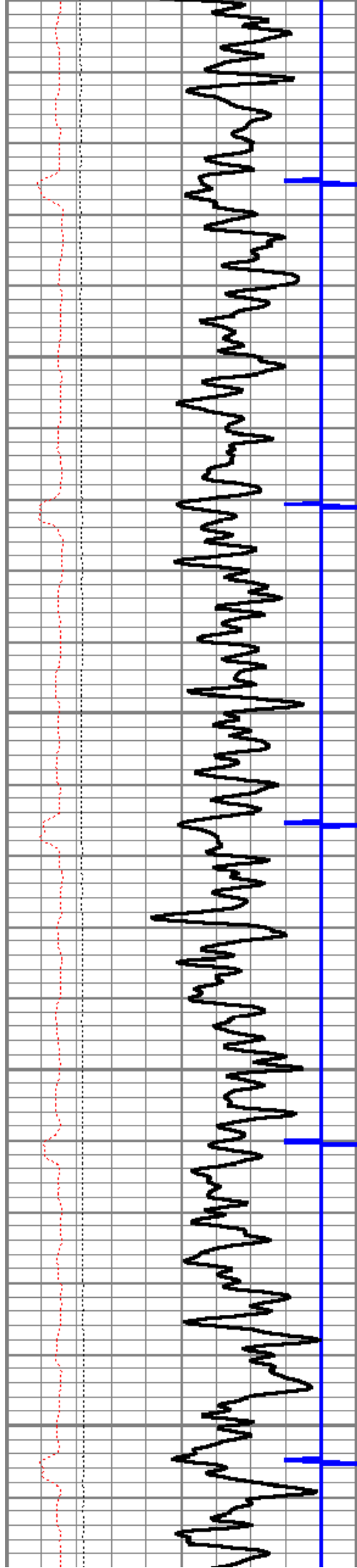
141.6

142.5

143.5

144.2

144.9



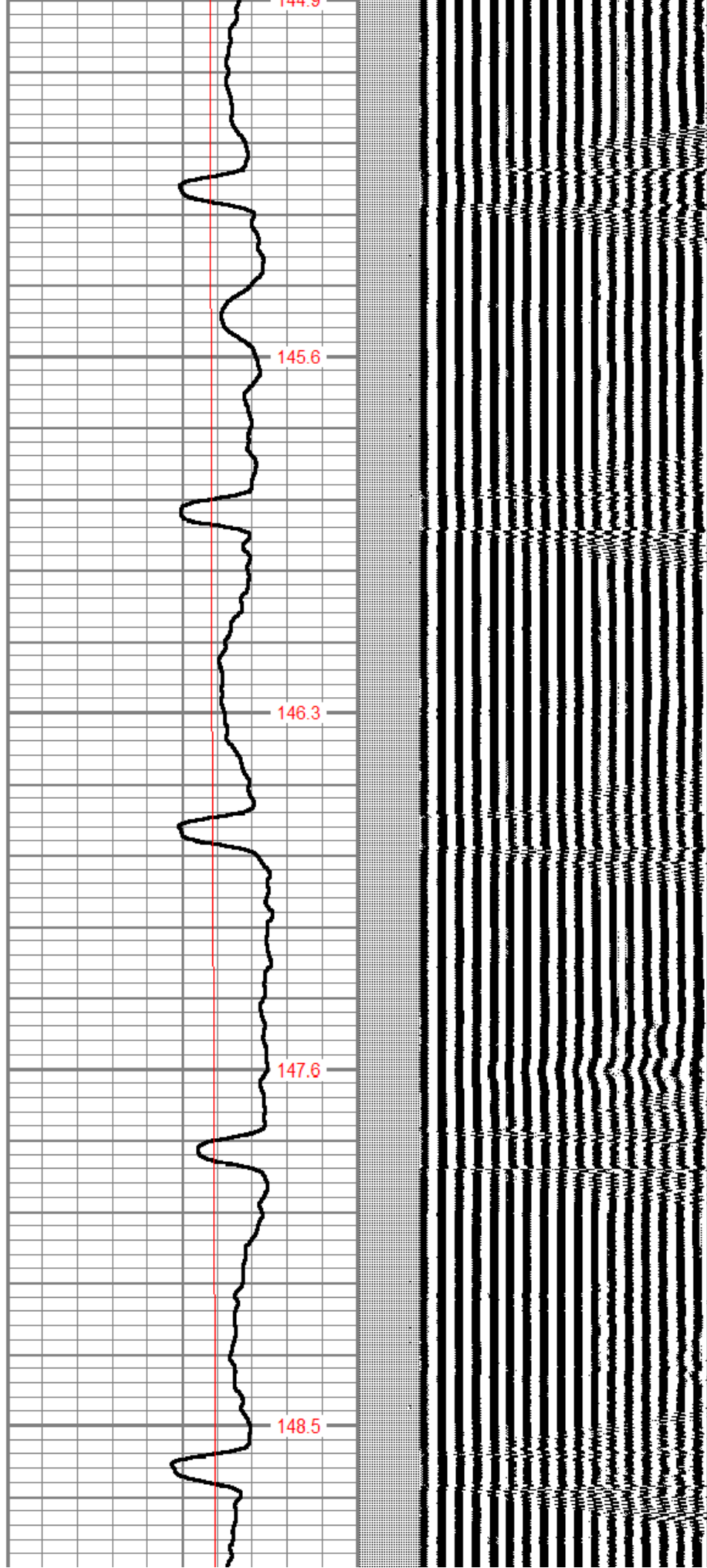
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5400

5450

5500

5550



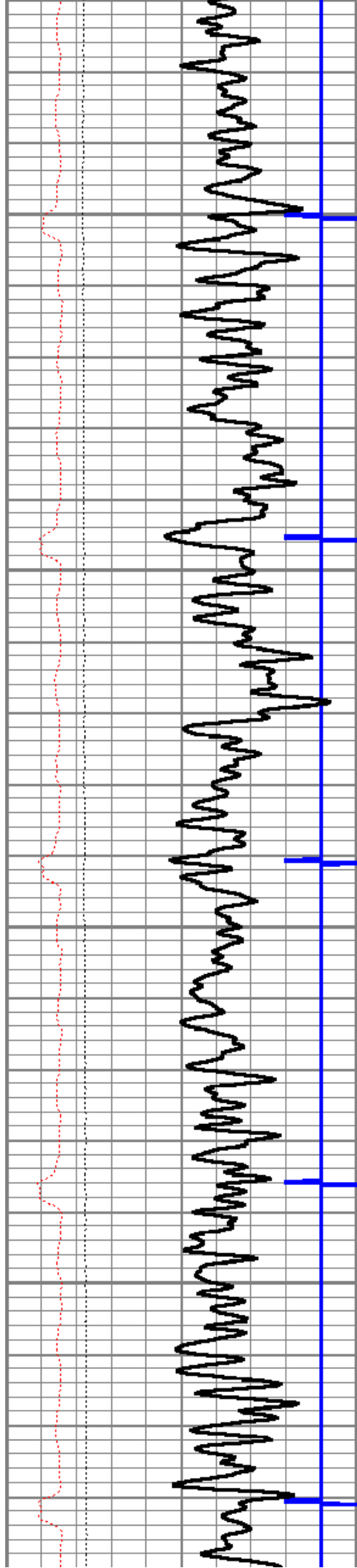
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145.6

146.3

147.6

148.5

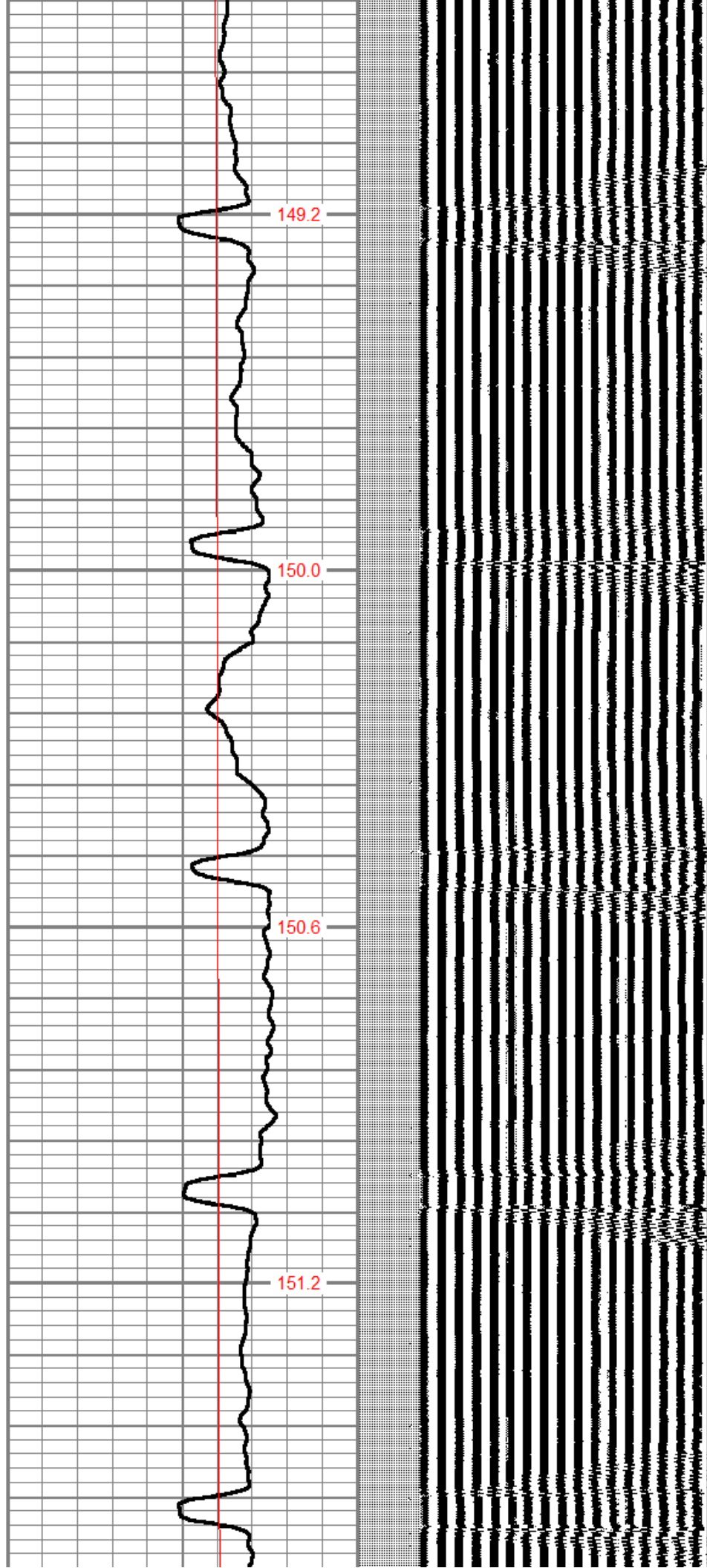


5600

5650

5700

5750

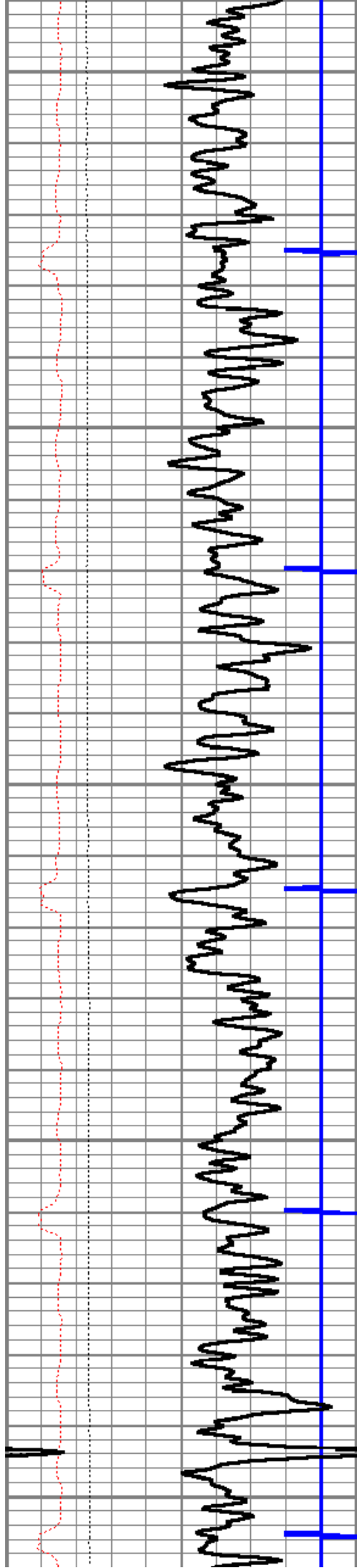


149.2

150.0

150.6

151.2



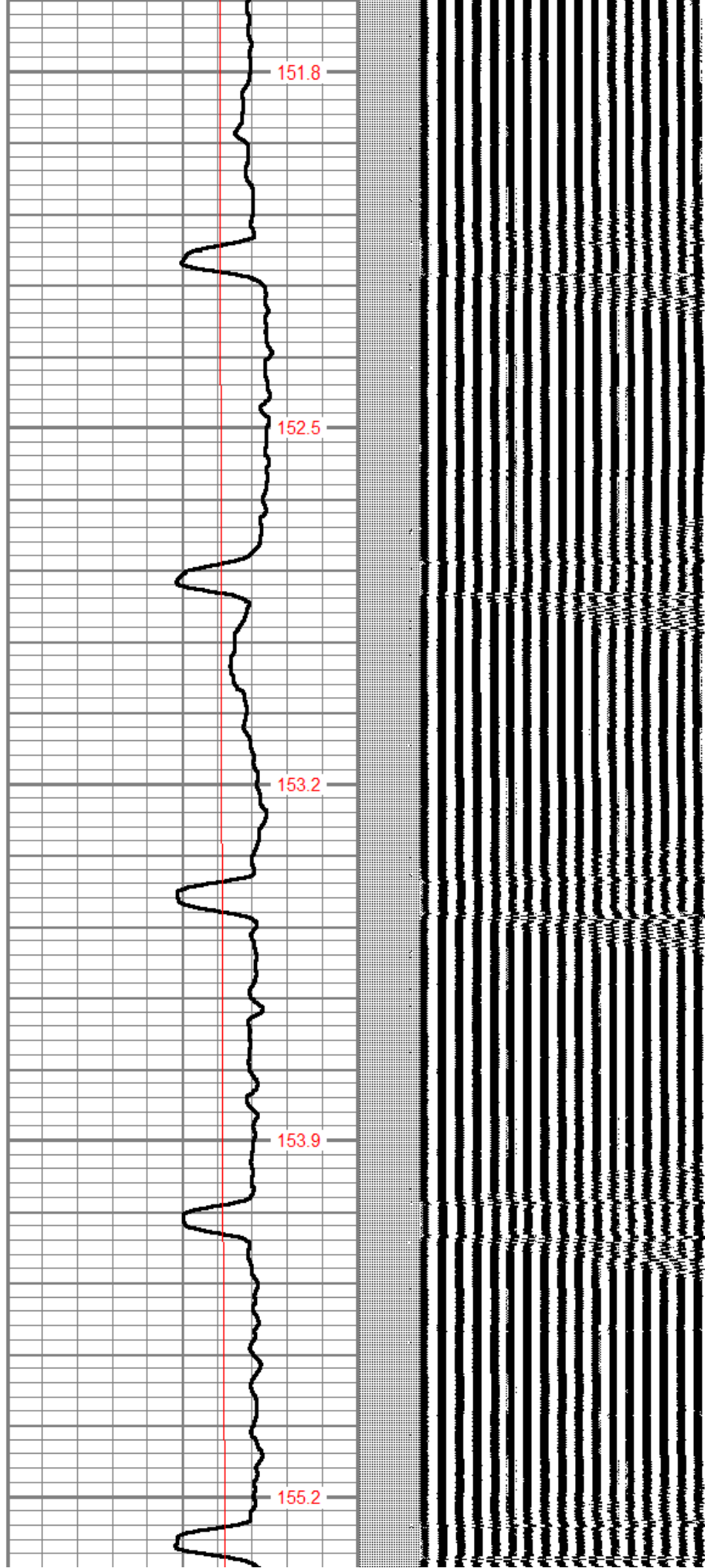
5800

5850

5900

5950

6000



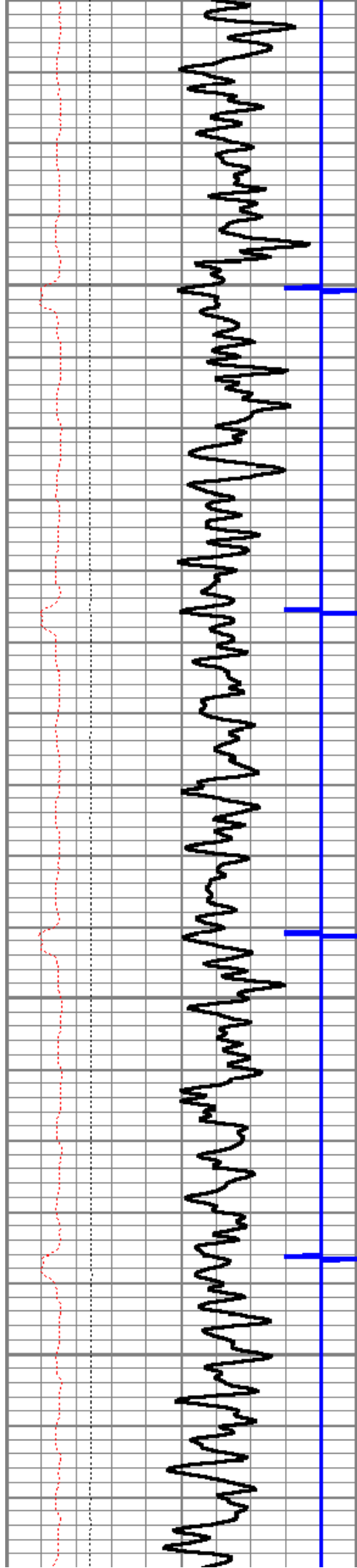
151.8

152.5

153.2

153.9

155.2

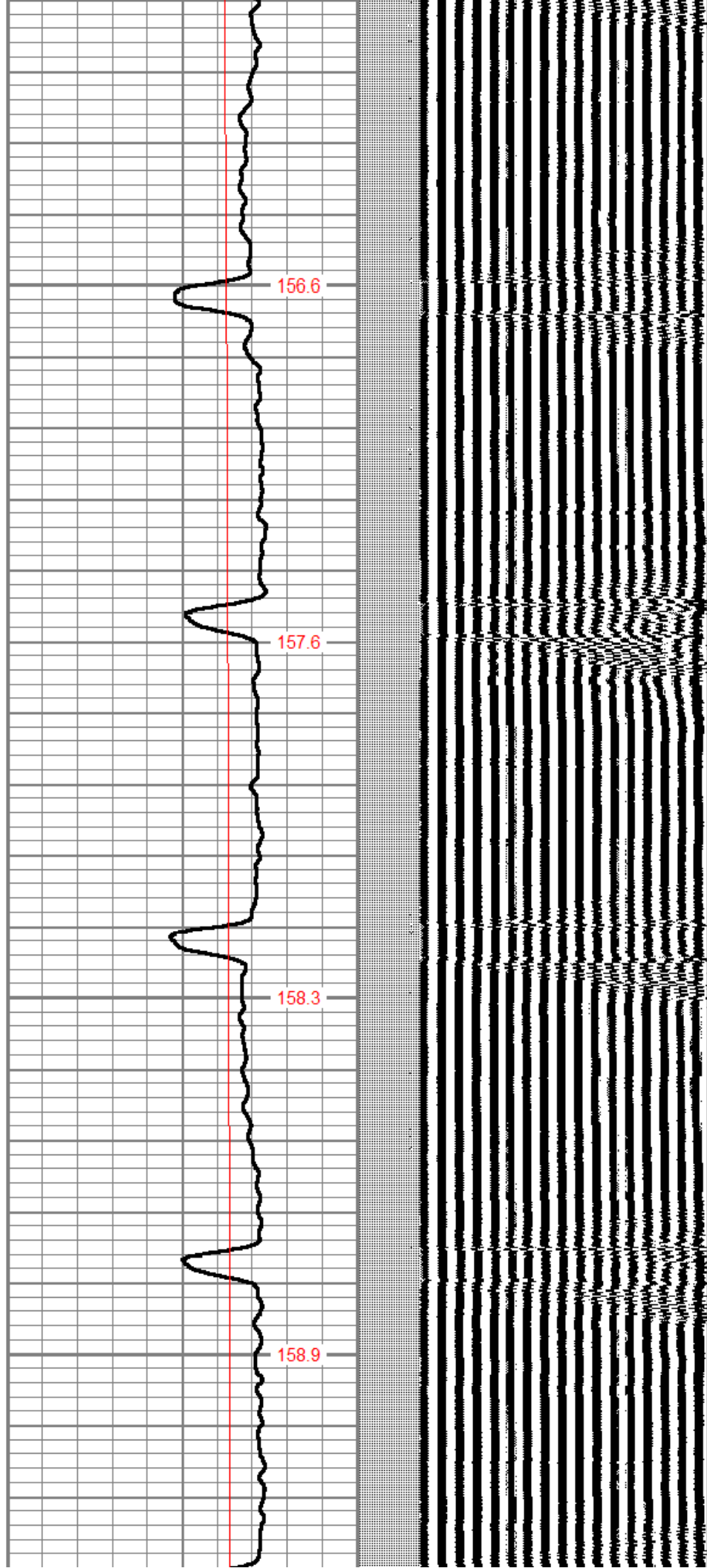


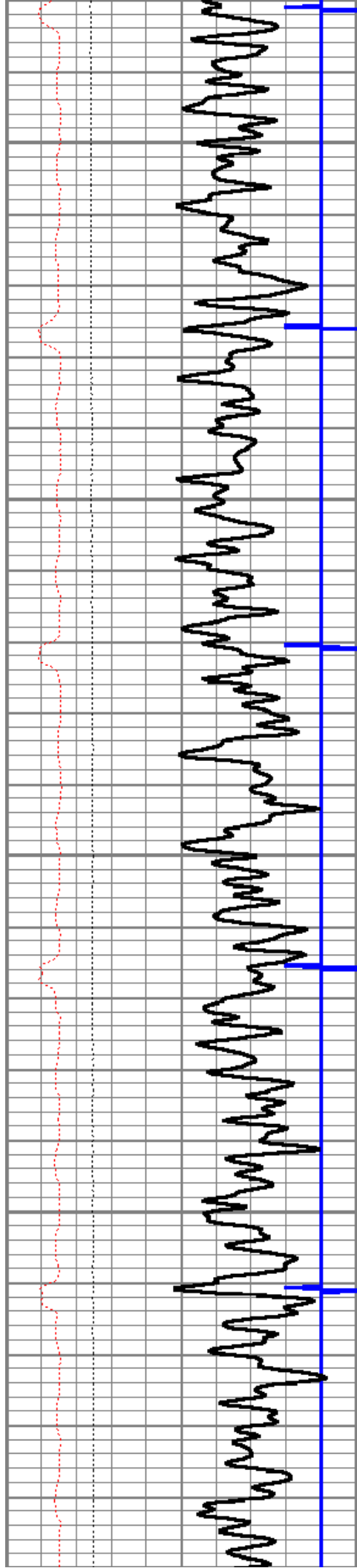
6050

6100

6150

6200





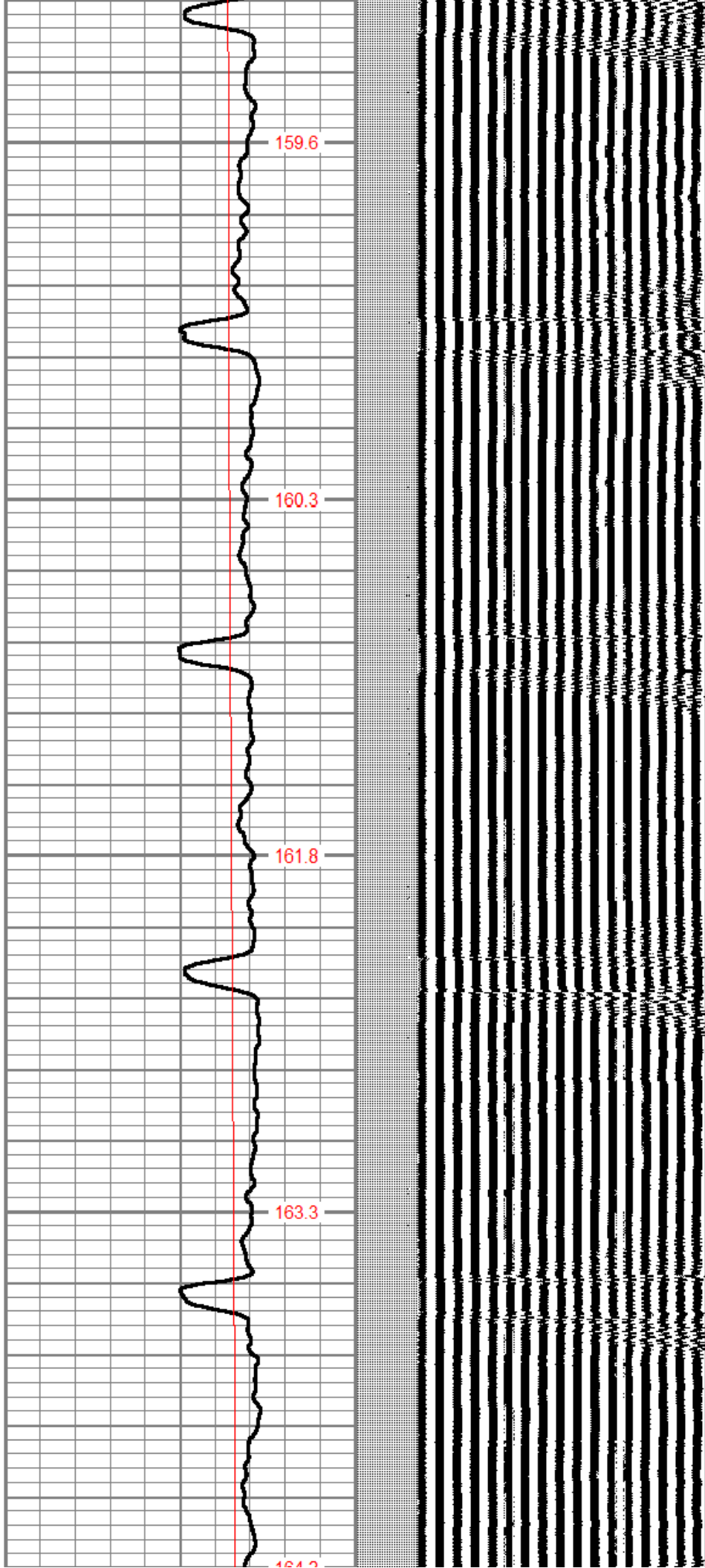
6250

6300

6350

6400

6450



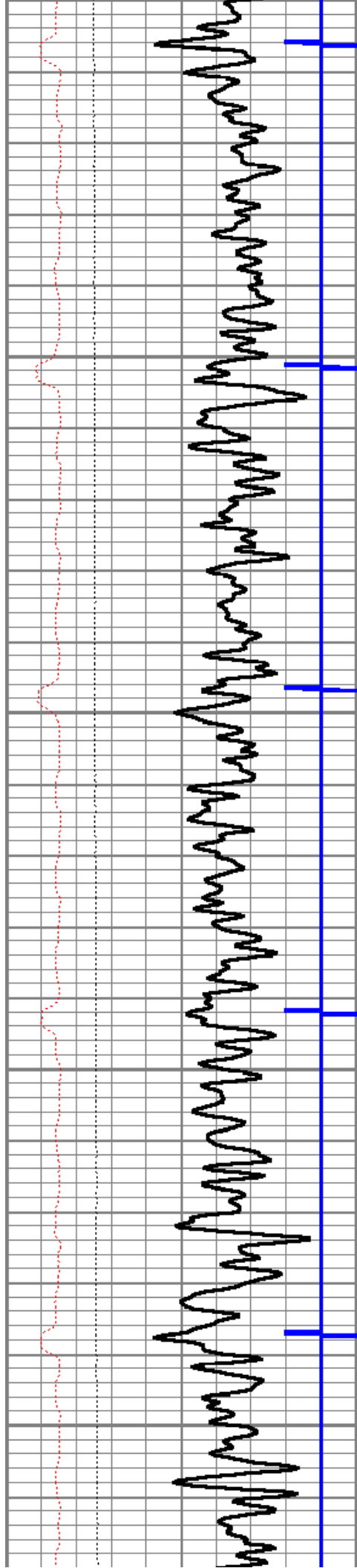
159.6

160.3

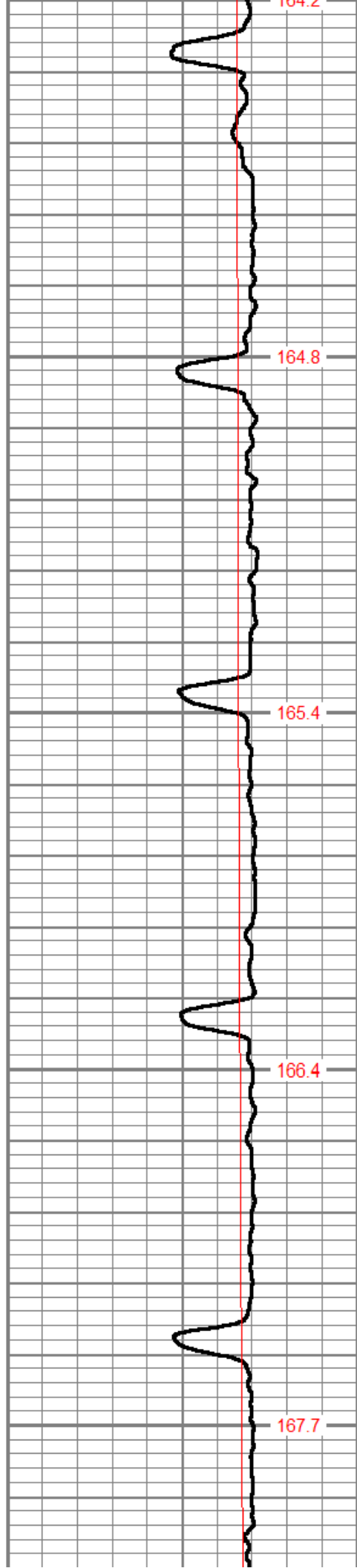
161.8

163.3

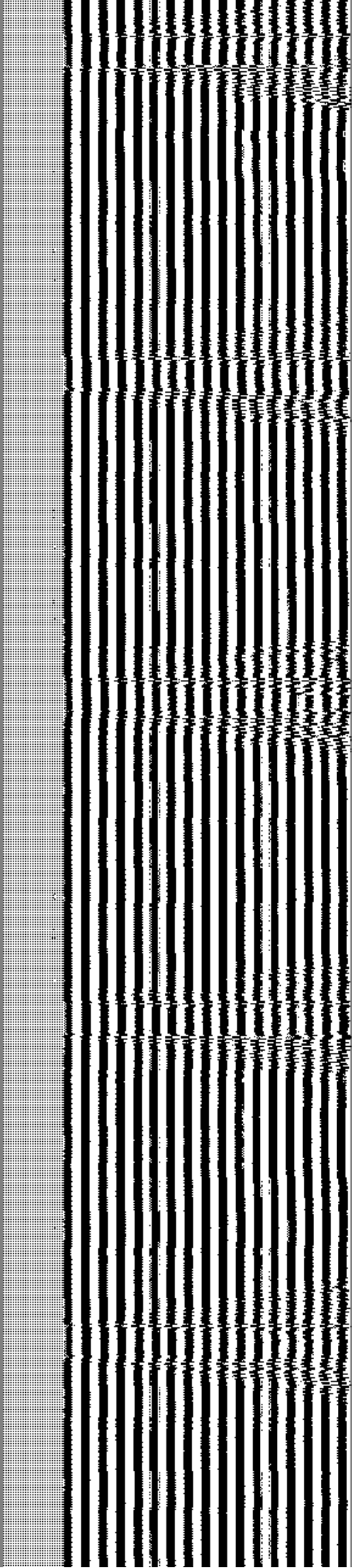
164.2

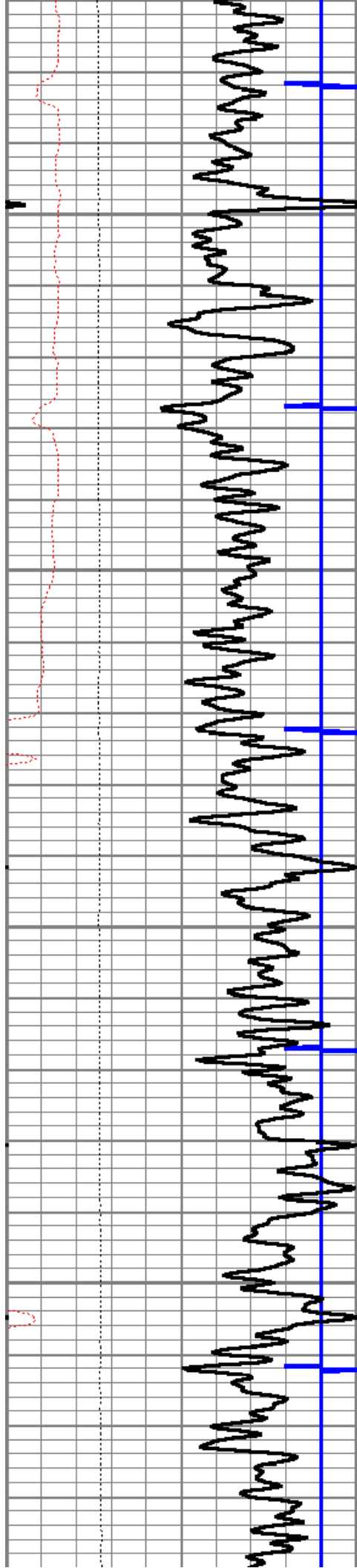


6450
6500
6550
6600
6650



104.2
164.8
165.4
166.4
167.7



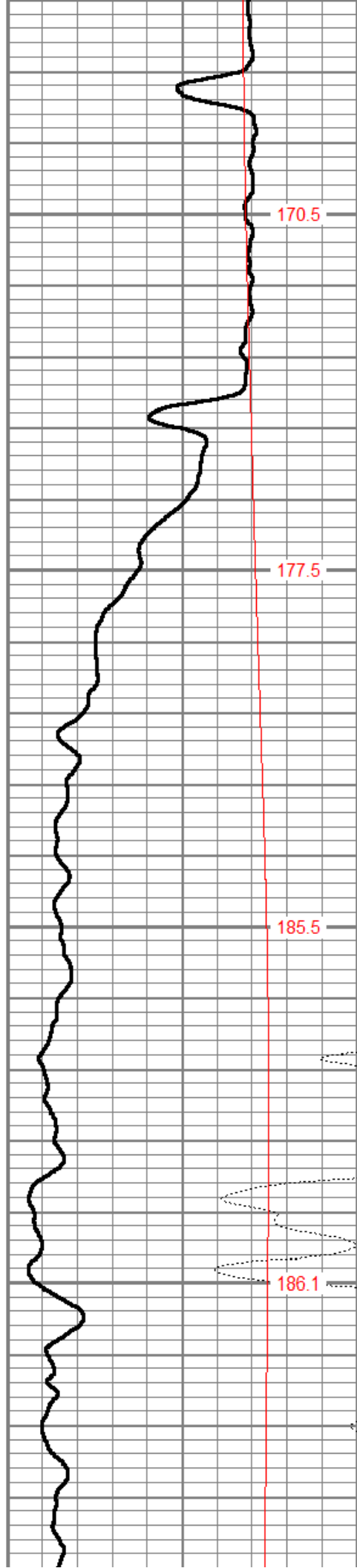


6700

6750

6800

6850

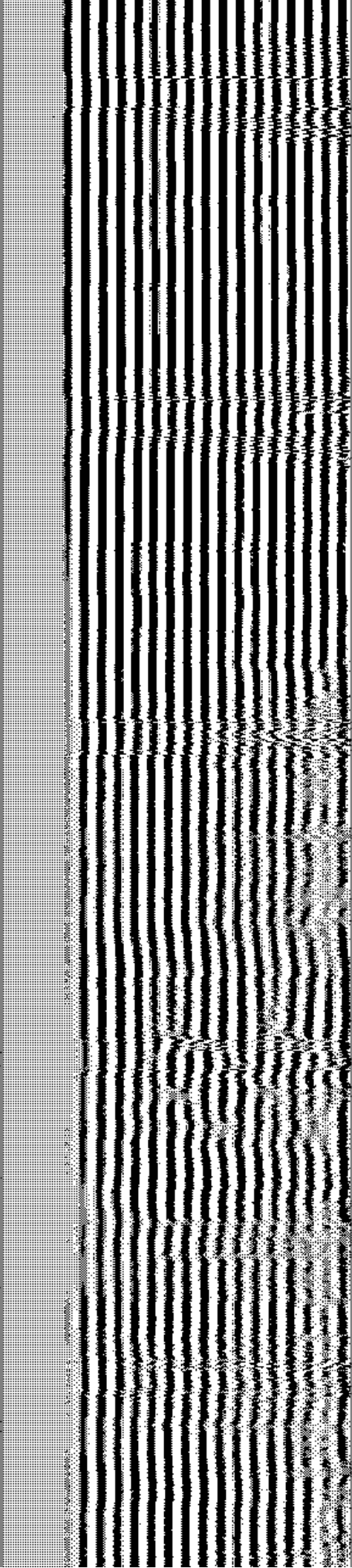


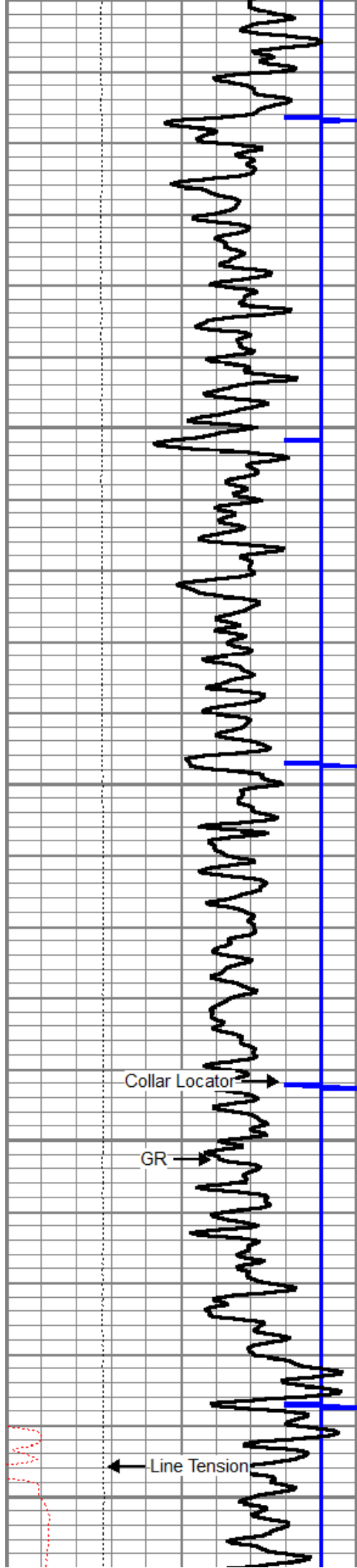
170.5

177.5

185.5

186.1





6900

6950

7000

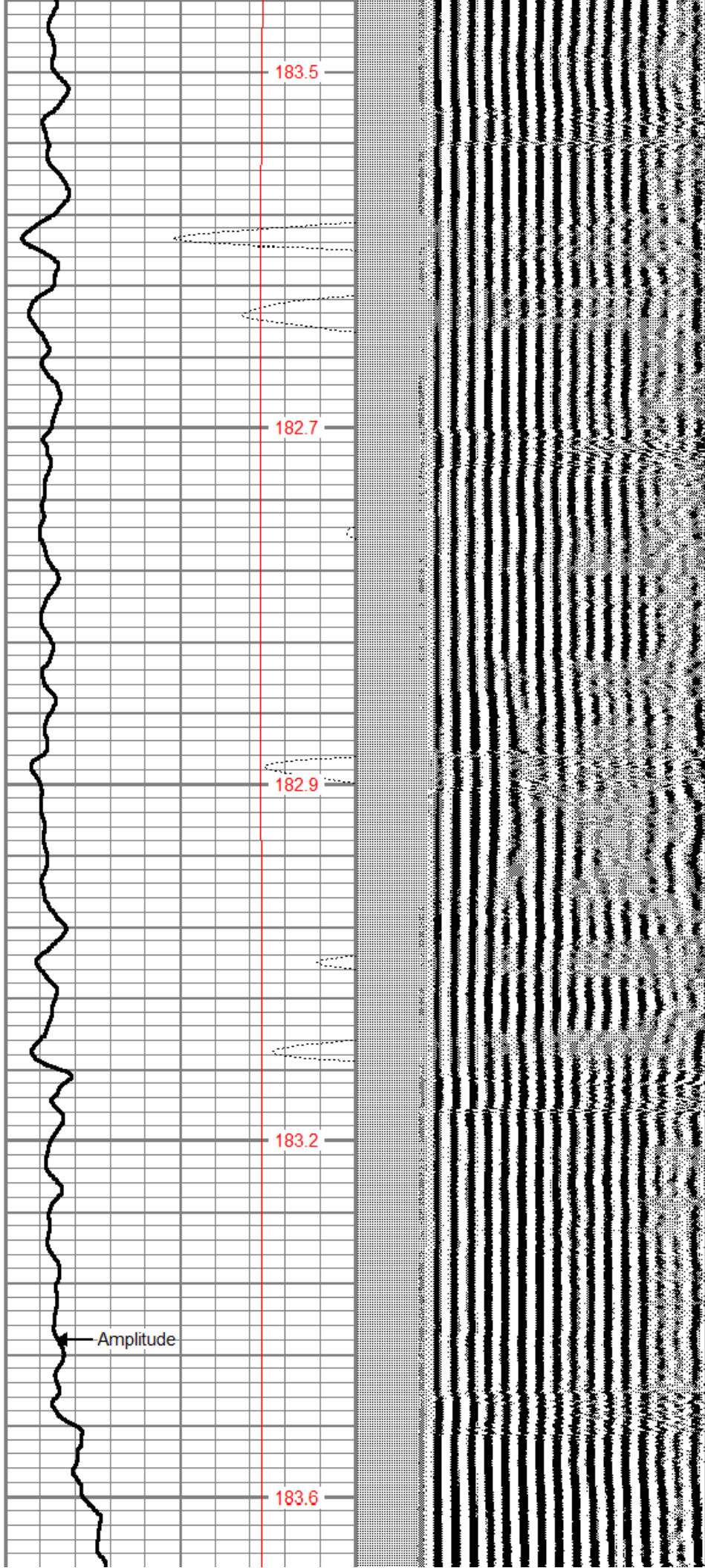
7050

7100

Collar Locator

GR

Line Tension



183.5

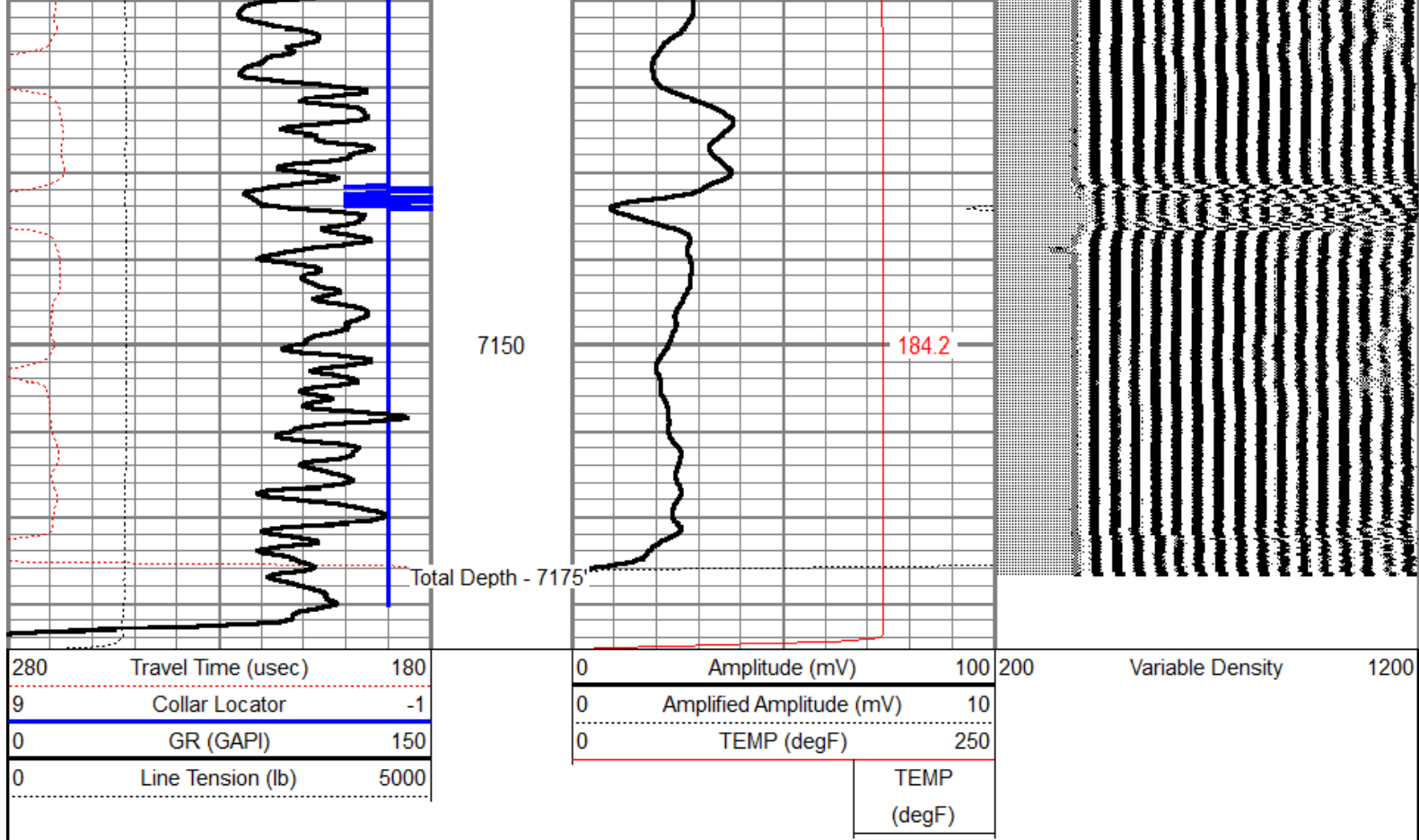
182.7

182.9

183.2

183.6

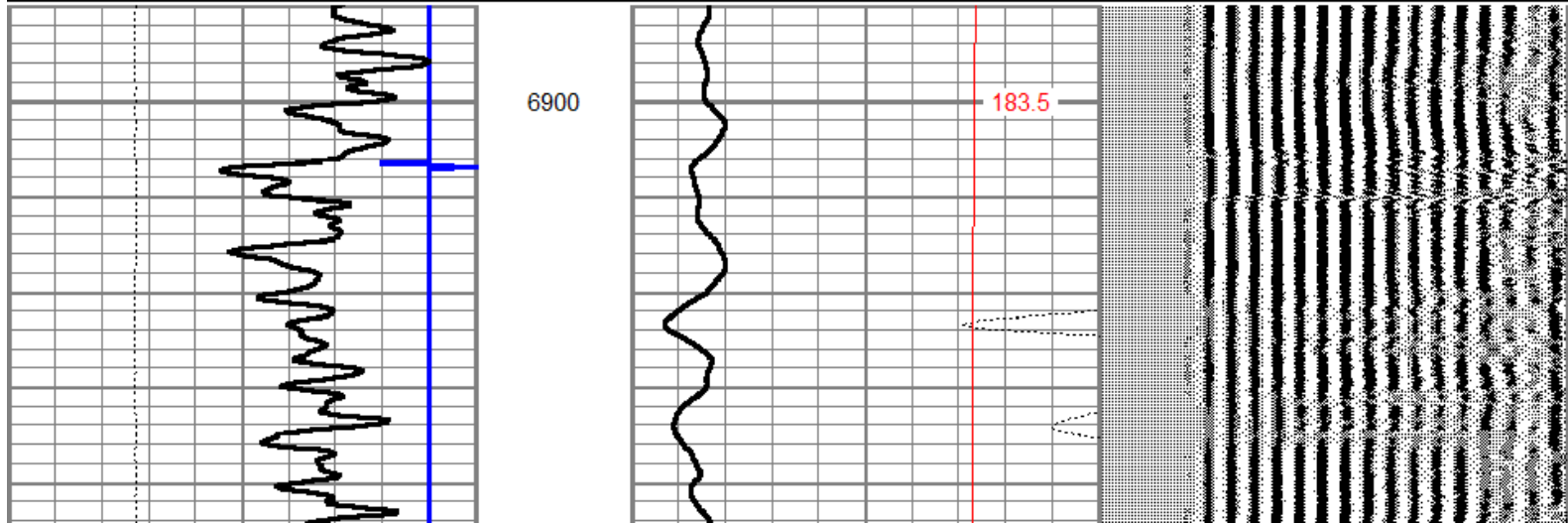
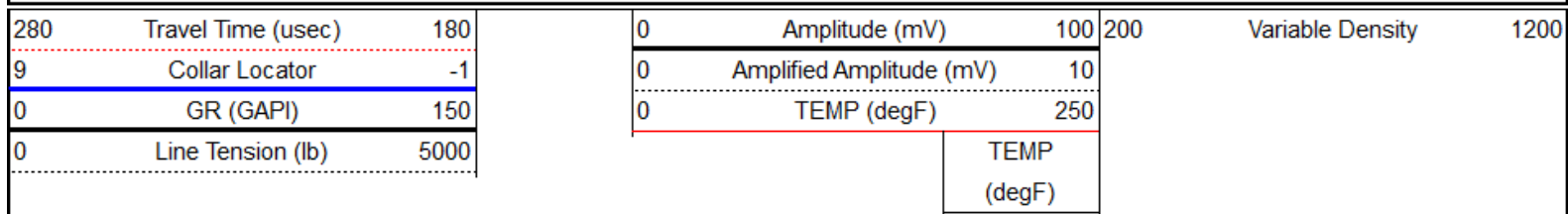
Amplitude





REPEAT PASS

2000 PSI ON WELL WHILE LOGGING

Database File: schaefer_2536_1_4hc_3f5f.db
 Dataset Pathname: REPEAT
 Presentation Format: cbldig
 Dataset Creation: Mon May 22 05:52:18 2017 by Calc SCH 110630
 Charted by: Depth in Feet scaled 1:240



WVF3	9.50		CBL-Probe275Digital (5.5dig040201) Digital 3' 5" CBL Move voltage to +/- 150 for cal mode	8.75	2.75	92.00
WVF5	8.50					
CCL	4.75					
GR	2.25					
TEMP	0.08					
Dataset: schaefer_2536_1_4hc_3f5f.db: field/well/run1/FINAL Total Length: 15.00 ft Total Weight: 162.00 lb O.D. 2.75 in						

	Company	WARD PETROLEUM CORP.				
	Well	SCHAEFER 2536-1-4HC				
	Field	WATTERBERG				
	County	ADAMS				
	State	CO				Country USA