



PIONEER

Pioneer Energy Services

**Sonic Cement
Bond Log**

API No.

15-203-20197-00-00

Company **Lario Oil & Gas Company**

Well **JF Group "A" No. 1-19**

Field **Wildcat**

County **Wichita**

State **Kansas**

Location

**NE SW SE
890' FSL & 1700' FEL**

Other Services

Sec: 19

Twp: 18 S

Rge: 35 W

Elevation

Permanent Datum Ground Level Elevation 3216
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 3221
D.F. @
G.L. 3216

Run Number

One

Date Survey

02/06/2013

Date Cementing

01/26/2013

Type Cementing Operation

Primary

Depth Driller

5250

Depth Logger

5064

Logged Interval

5063 to 3050

Casing Driller

4.5 @ TD

Float Collar -- D.V. Tool

/// 2363

Squeeze Depth

///

Amount & Type Cement

///

Amount & Type Admix

///

Type Fluid In Hole

Water

Fluid Level

580'

Salinity PPM CL

///

Weight lb/gal -- Vis.

///

Approx. Logged Cement Top

3510

Calculated Cement Top

///

Max. Hole Temperature

126

Tool No.

RBT 3-6

Spacing Recorded

3'-5'

Equipment -- Location

18 D. Hagan Hays

Recorded By

D. Hagan

Witnessed By

Jason Majors

Curtis Keil

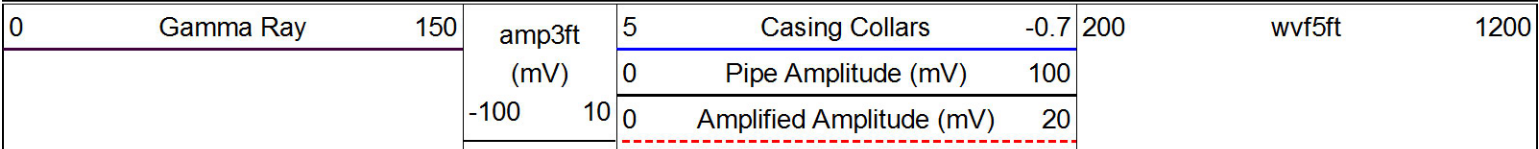
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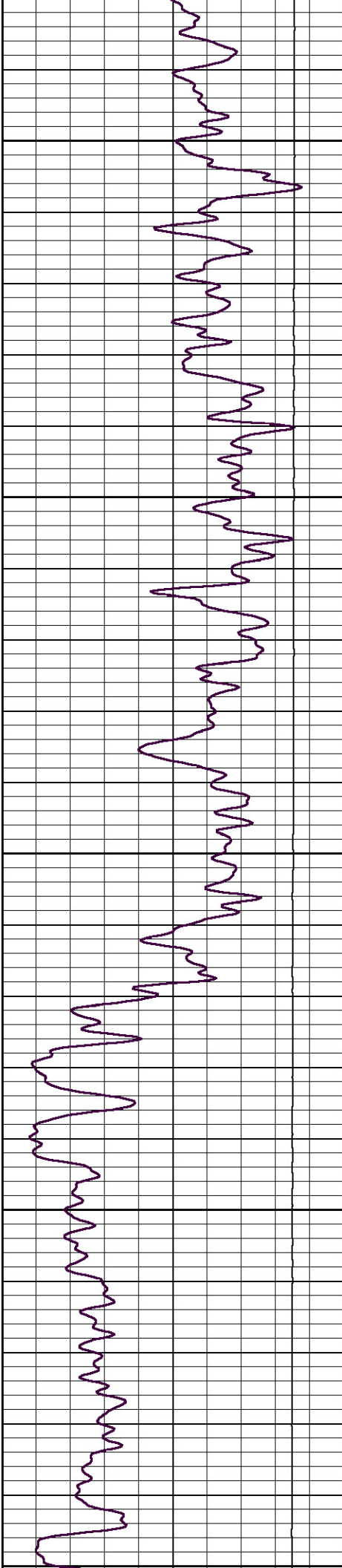
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 for using Pioneer Energy Services
785.625.3858

Scott City, 17 West to 20Rd.
1 South, 1/4 West, North into





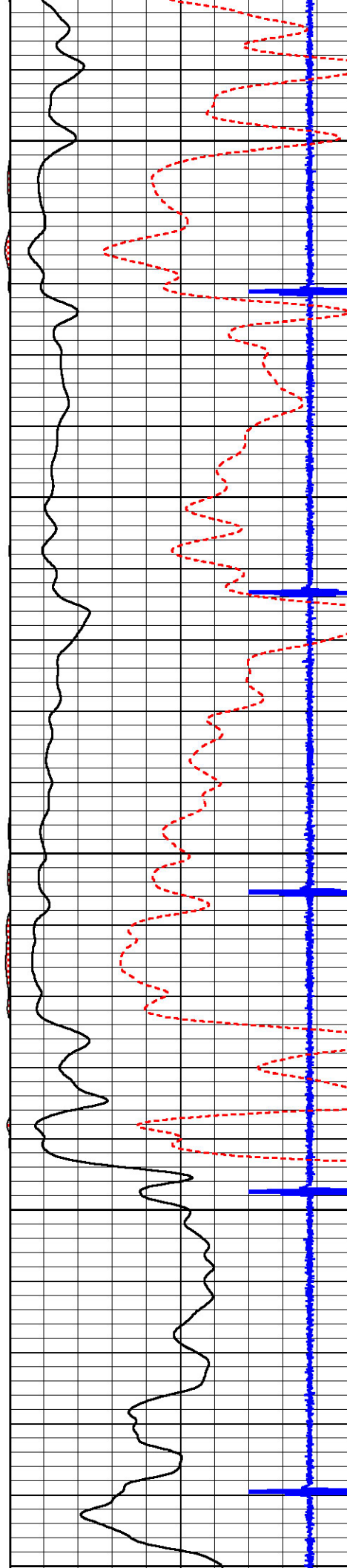
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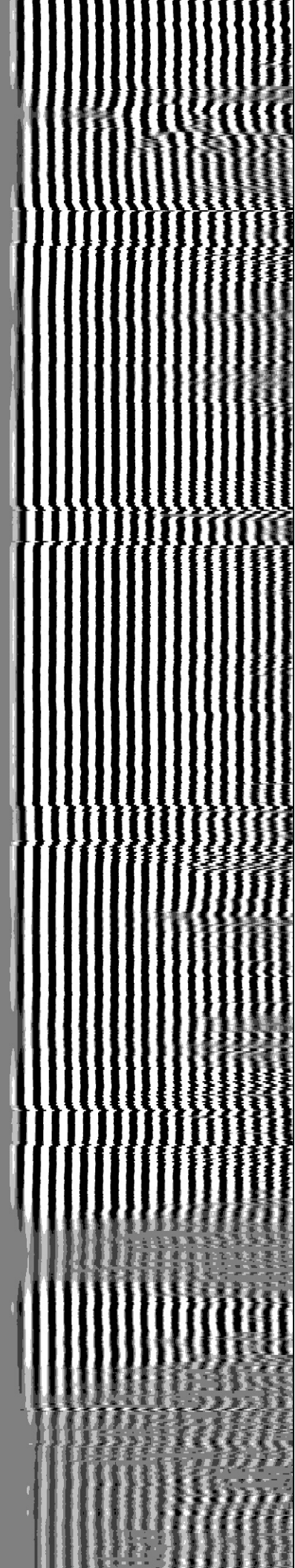
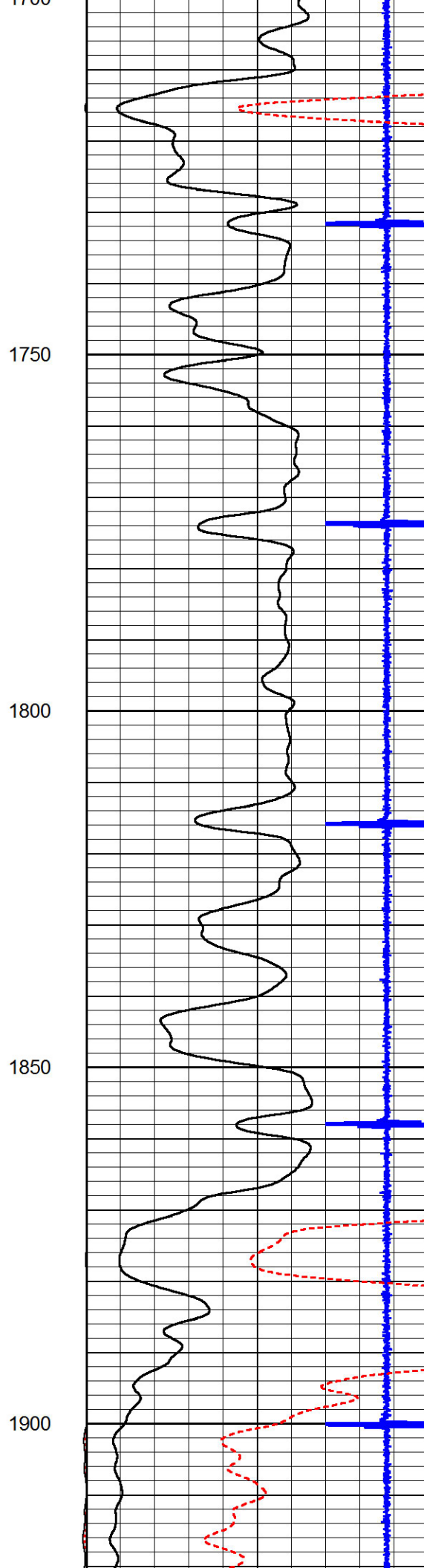
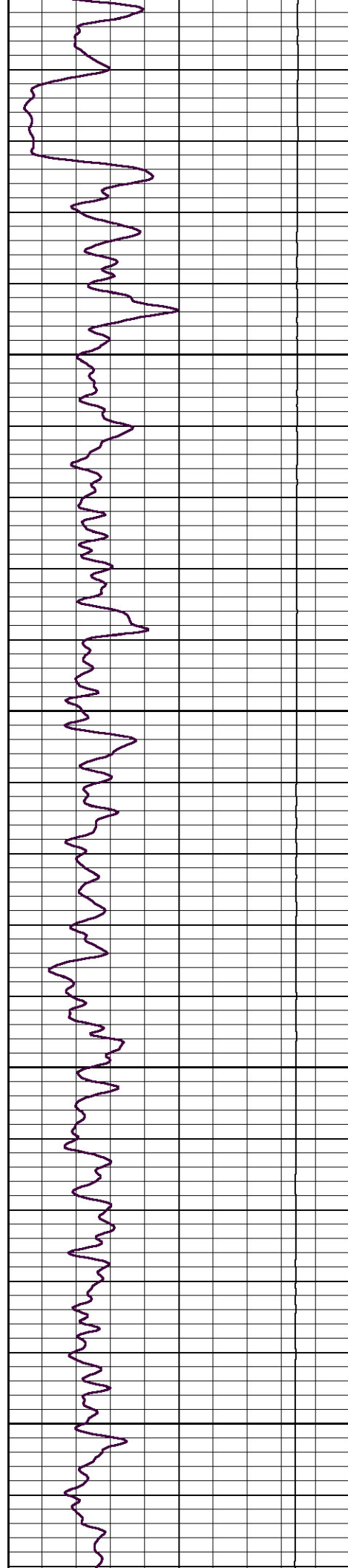
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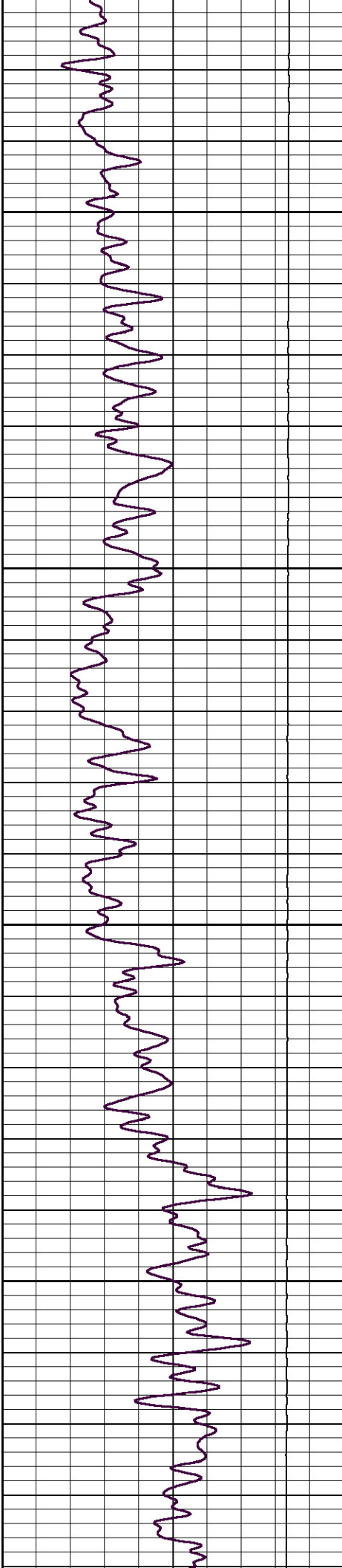
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1650

1700





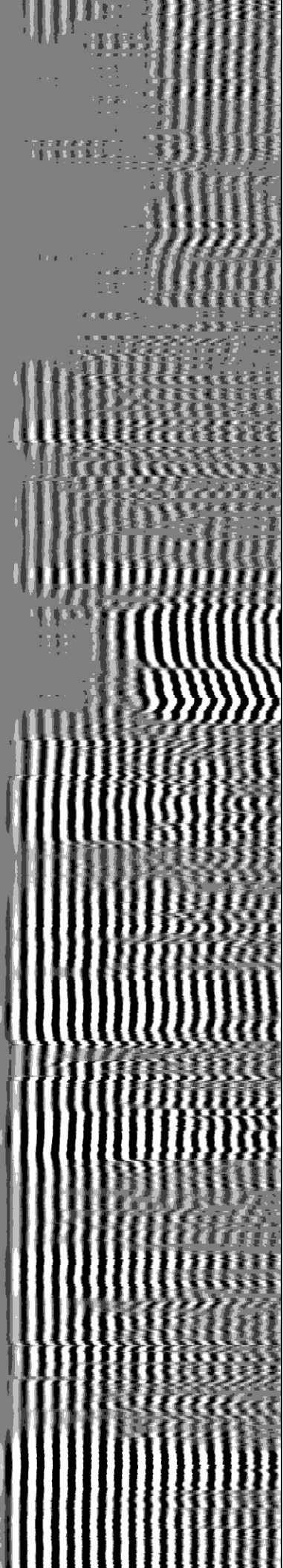
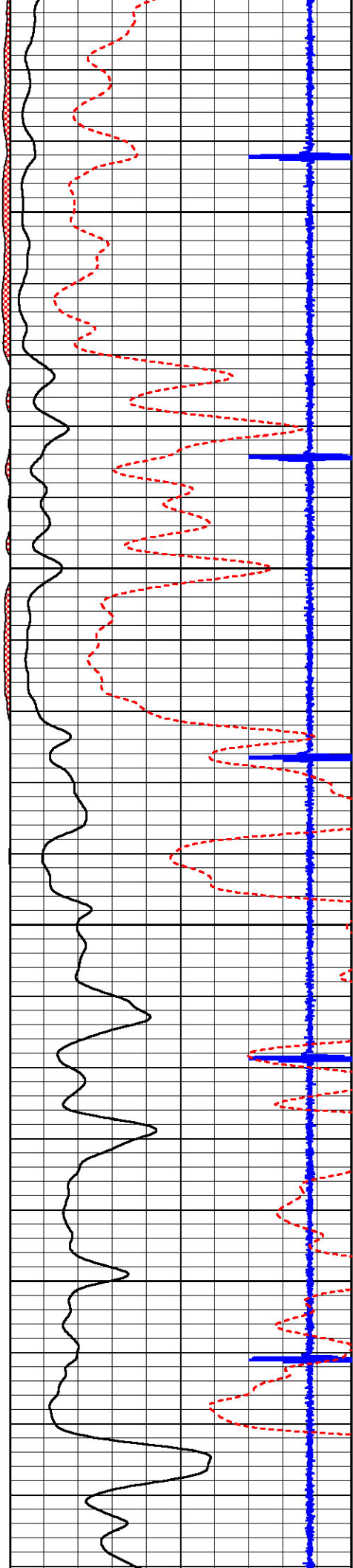


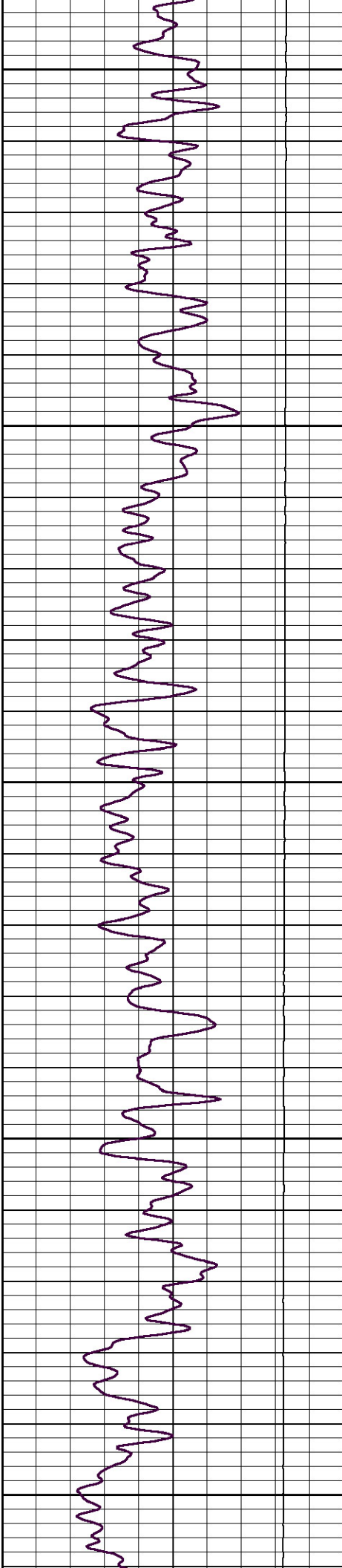
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2000

2050

2100





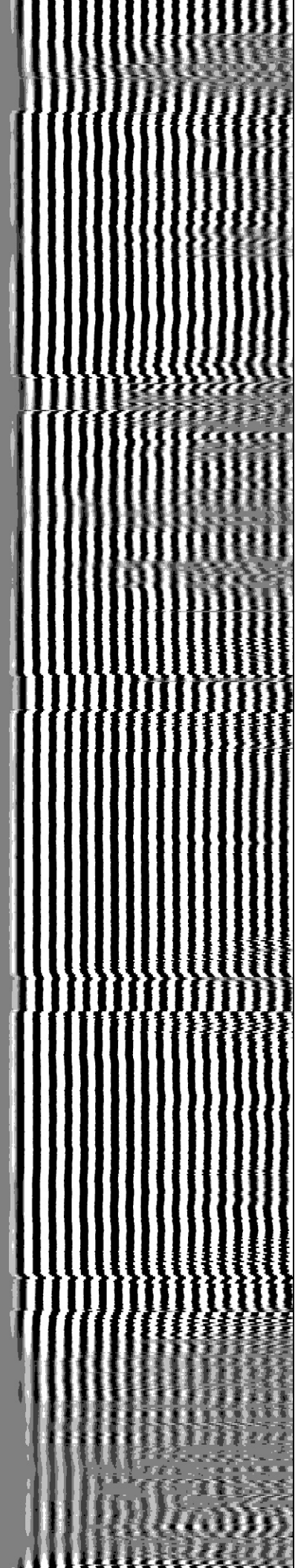
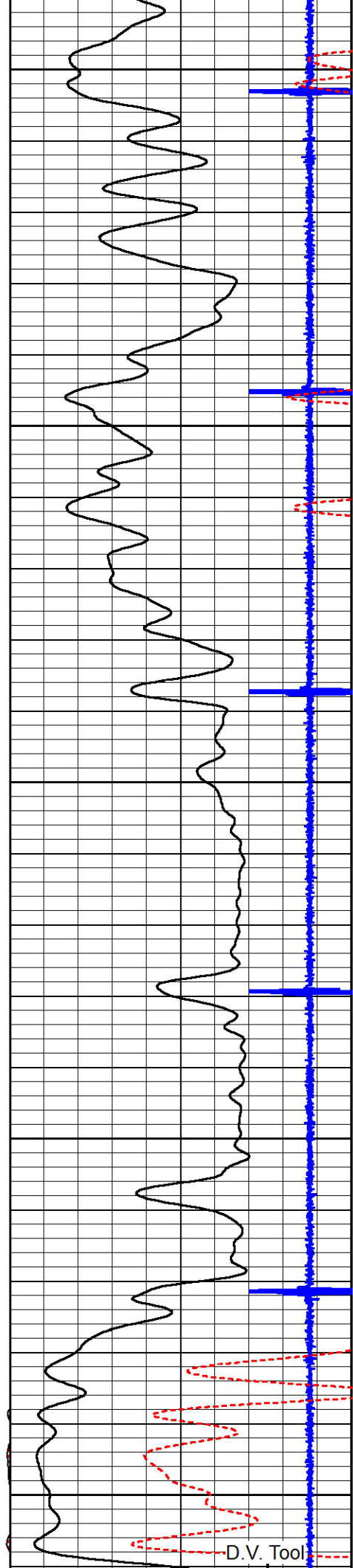
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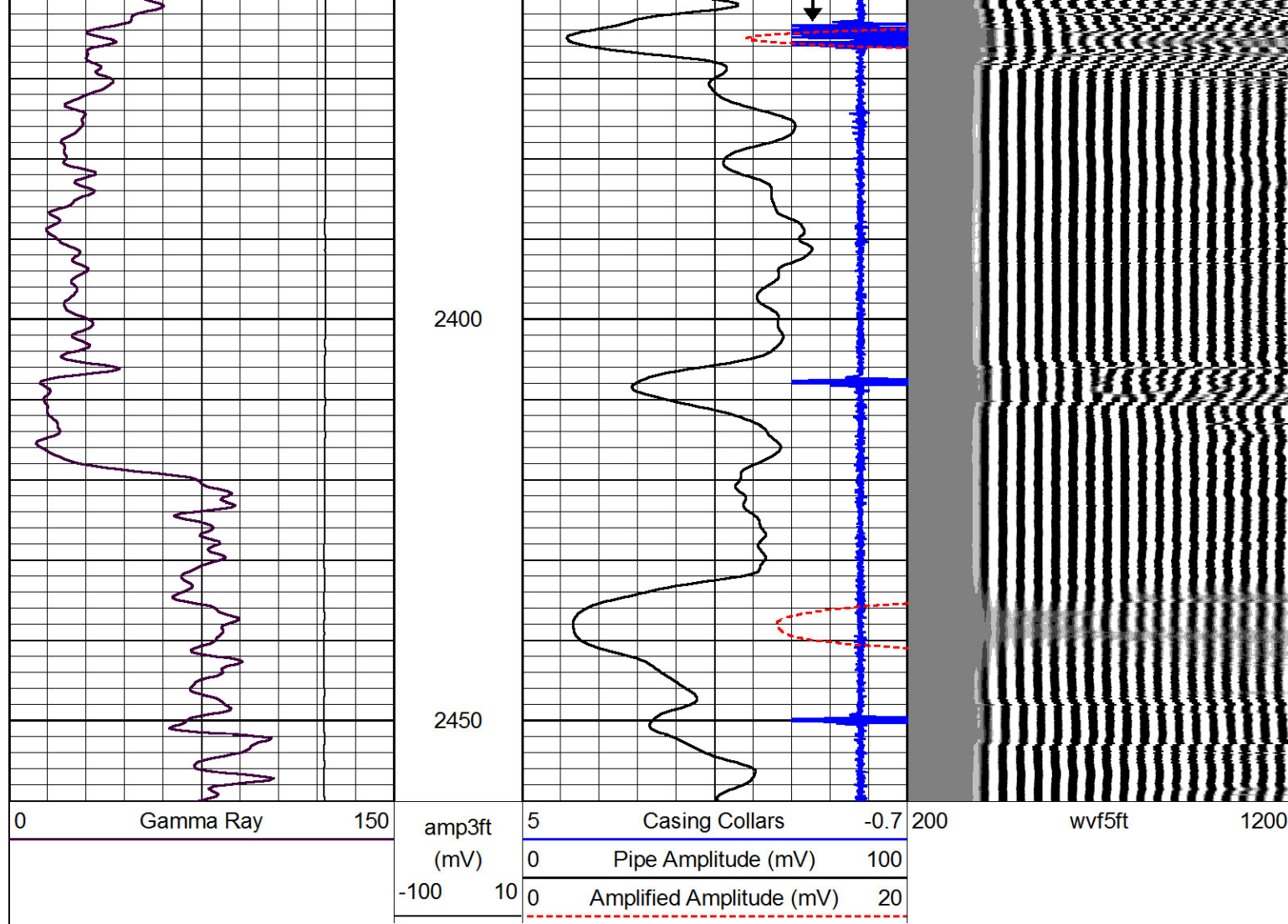
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2250

2300

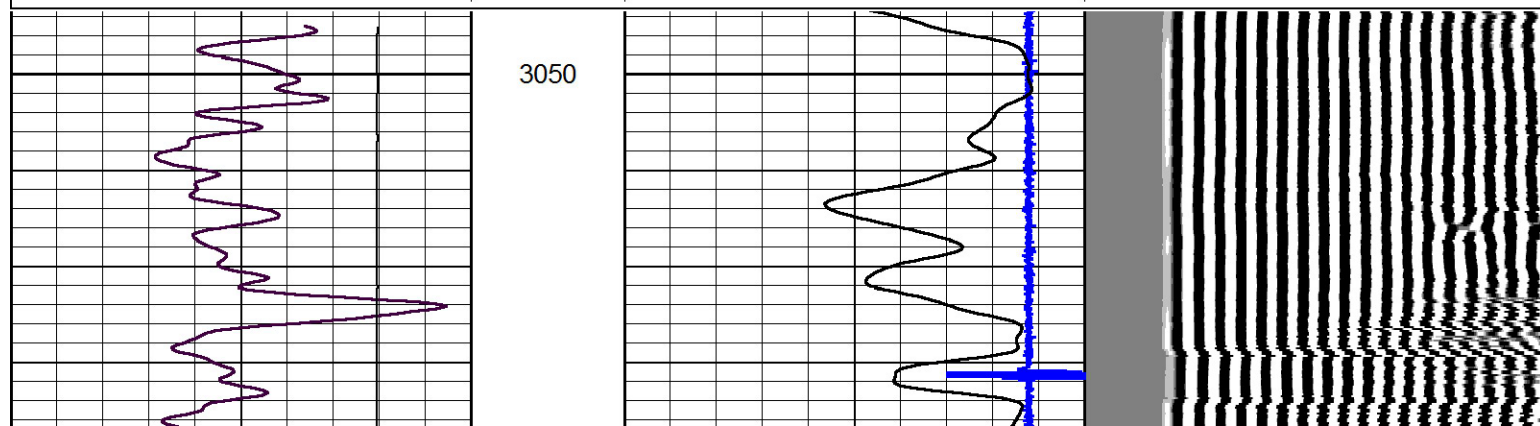
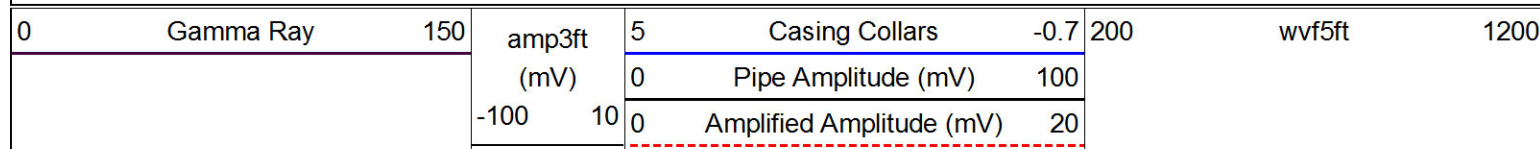
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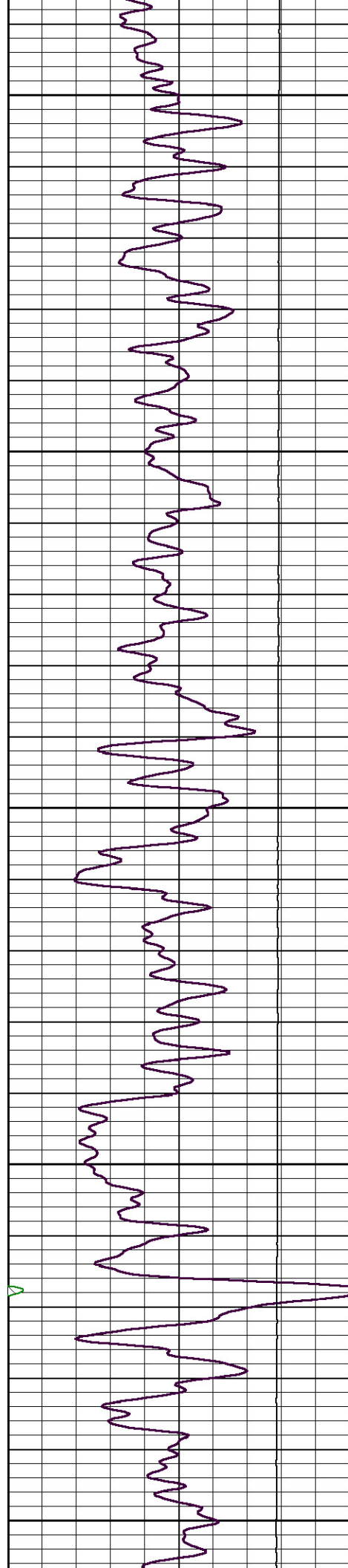




Main Pass

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 Presentation Format: cbldr
 Dataset Creation: Wed Feb 06 08:14:27 2013 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240





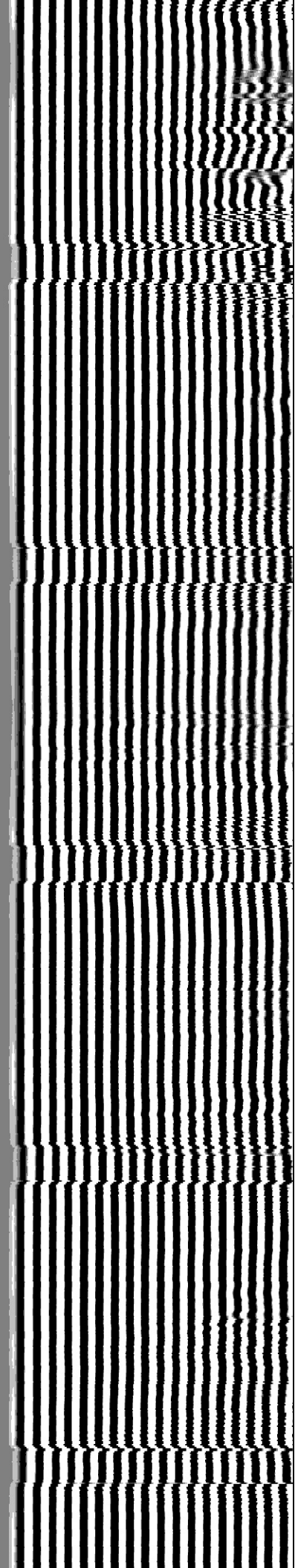
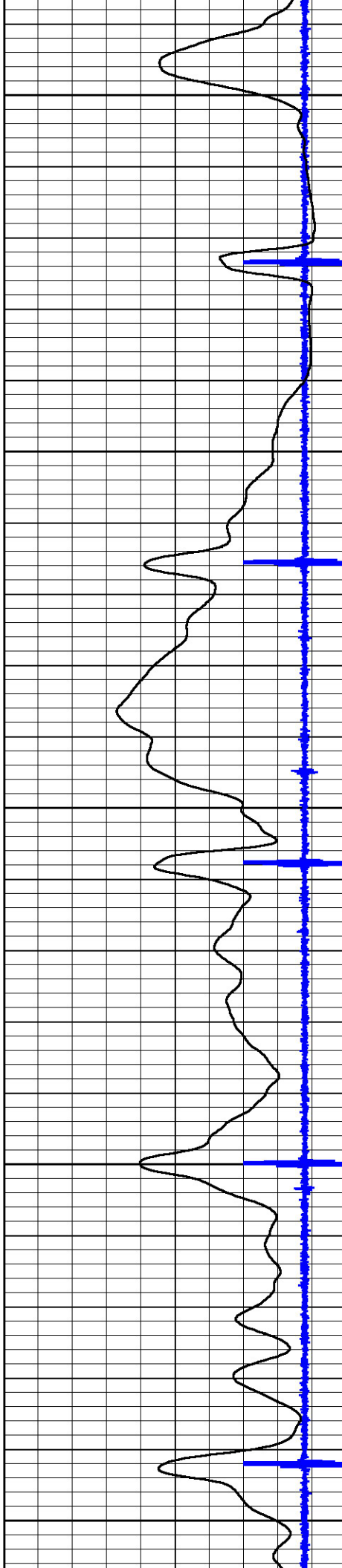
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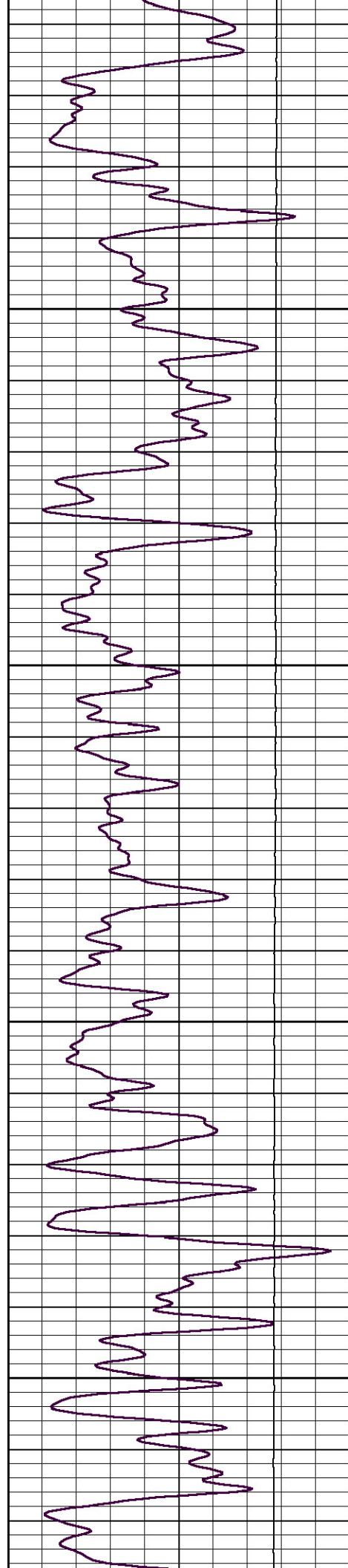
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3200

3250

3300



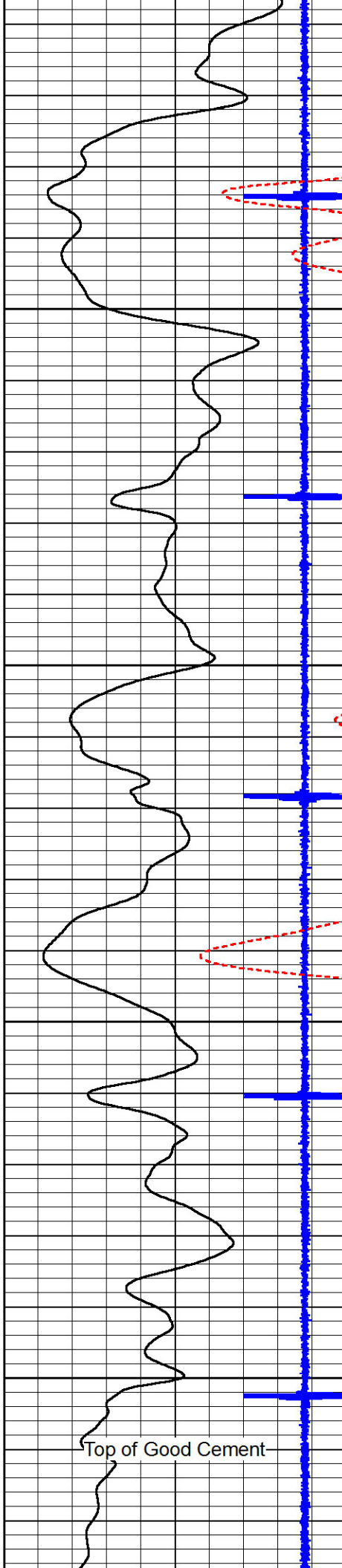


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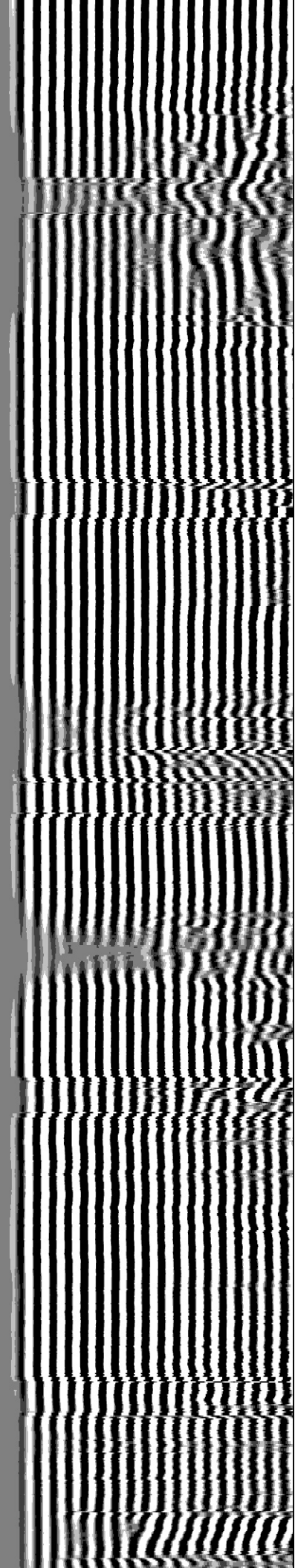
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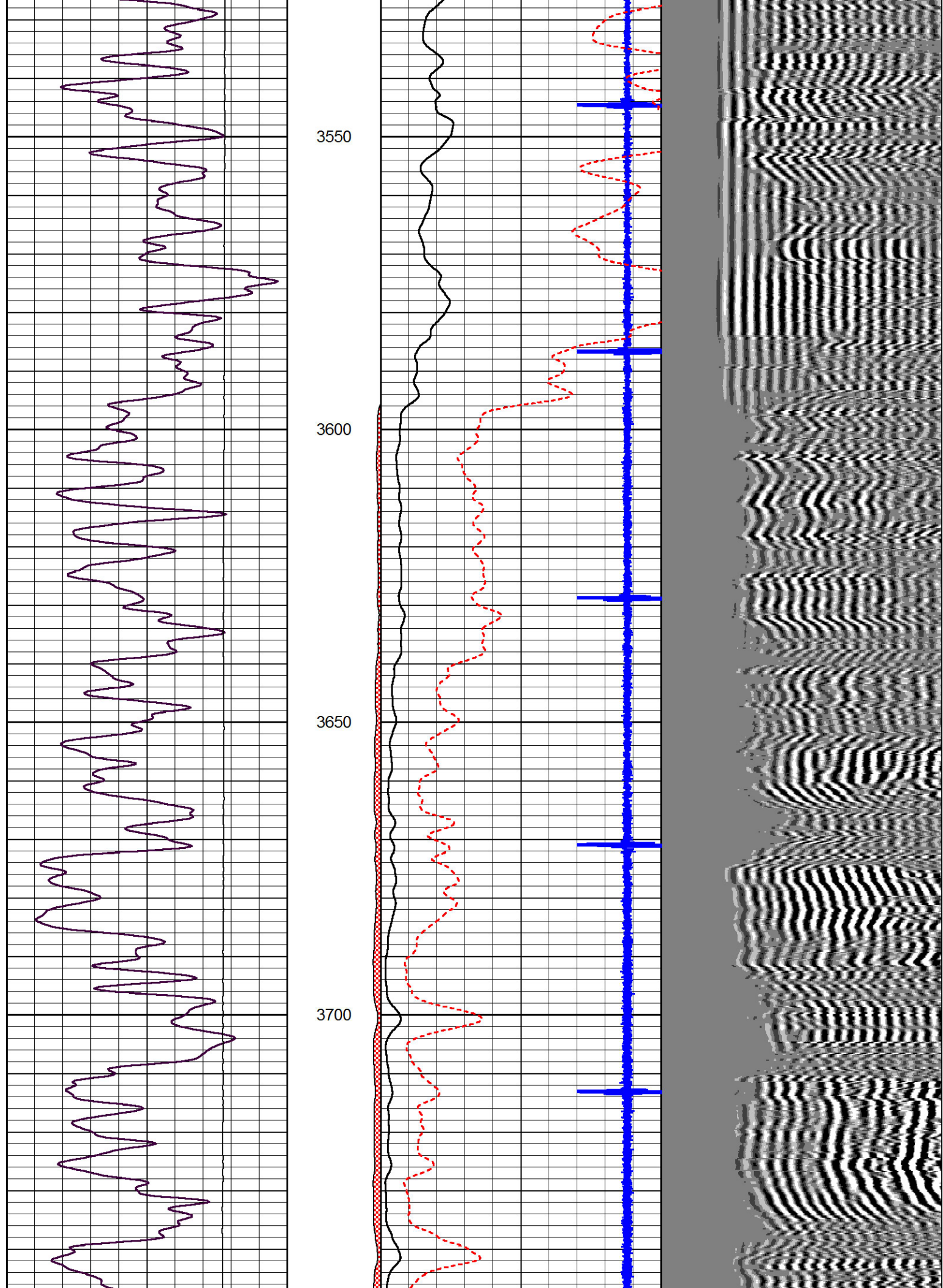
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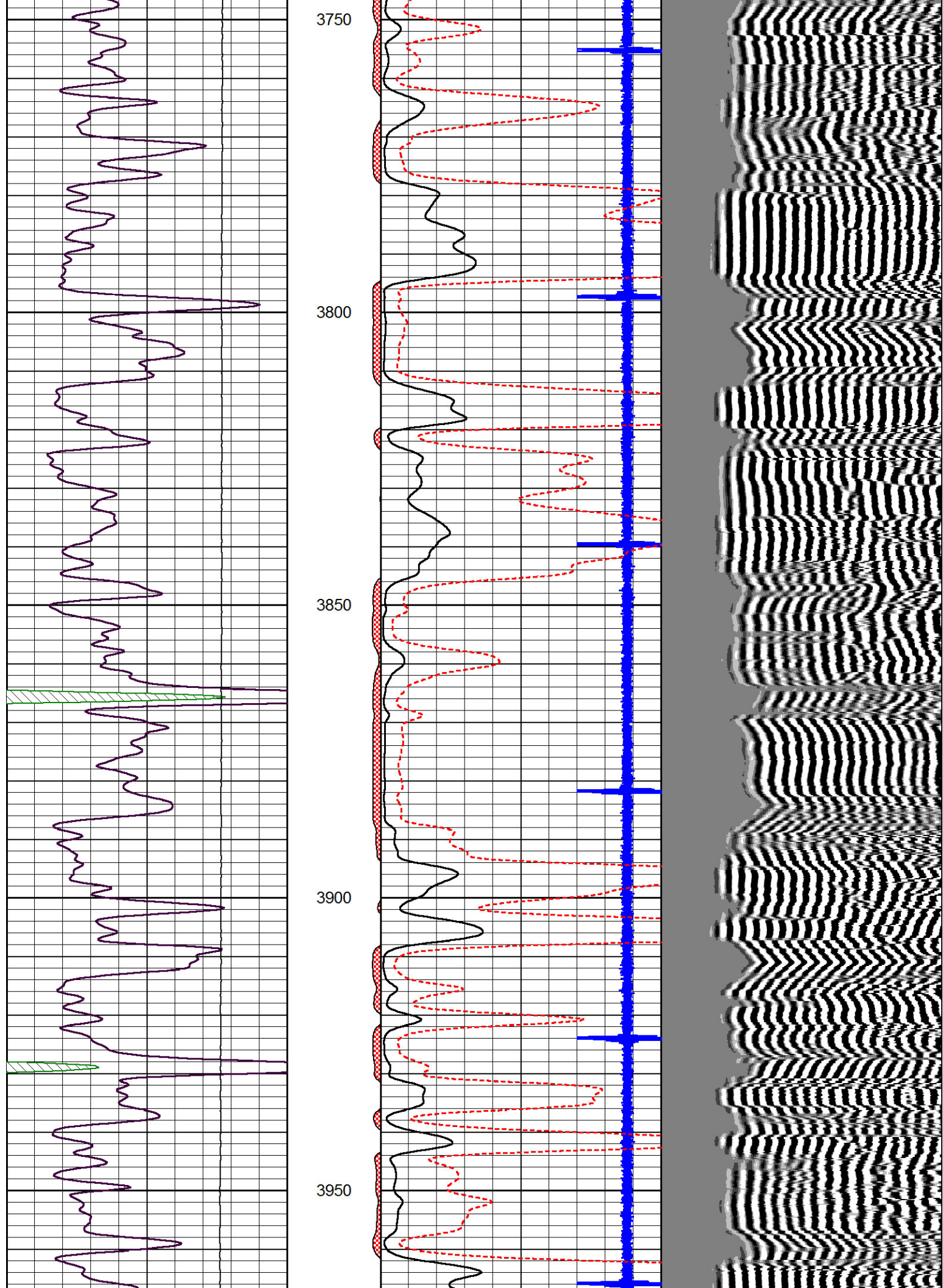
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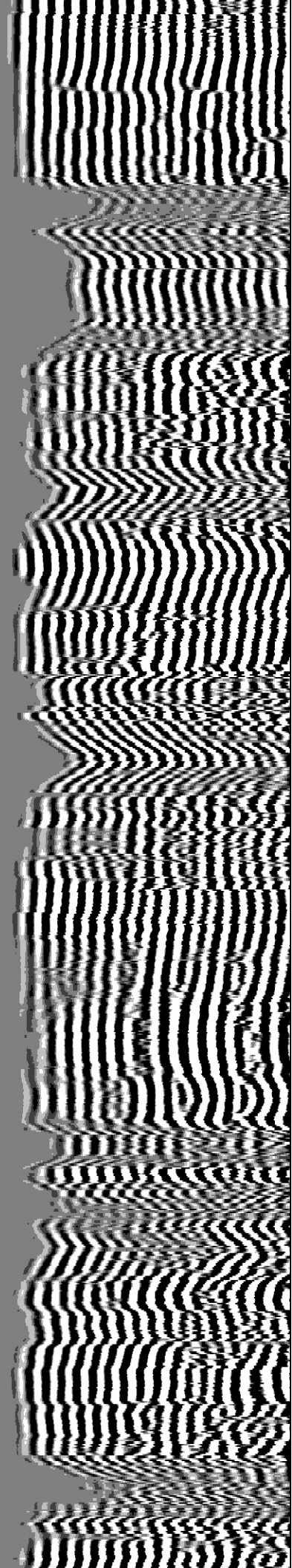
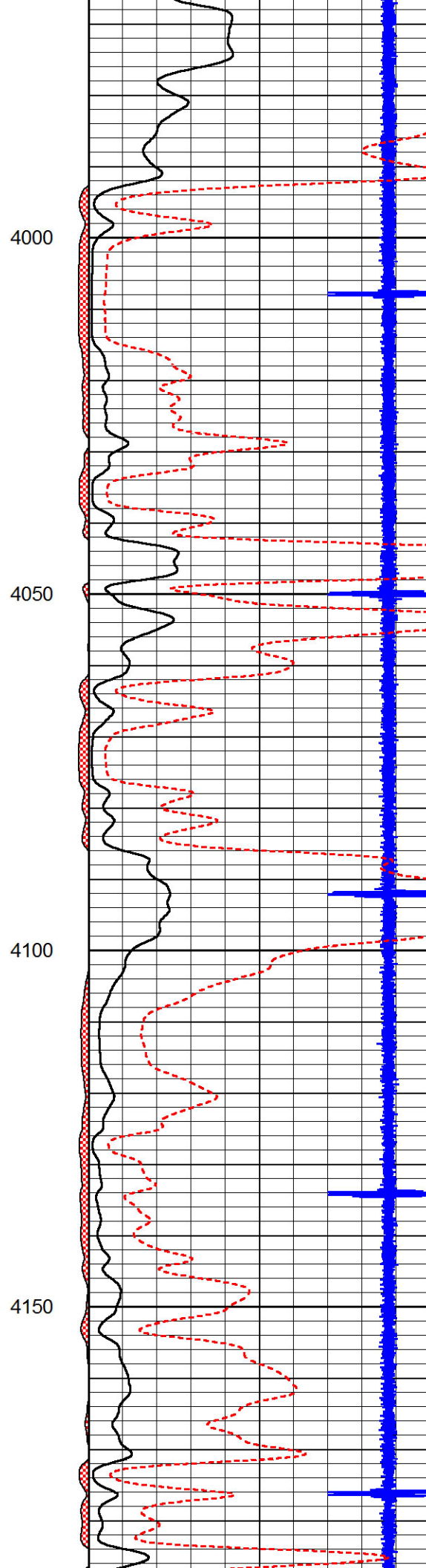
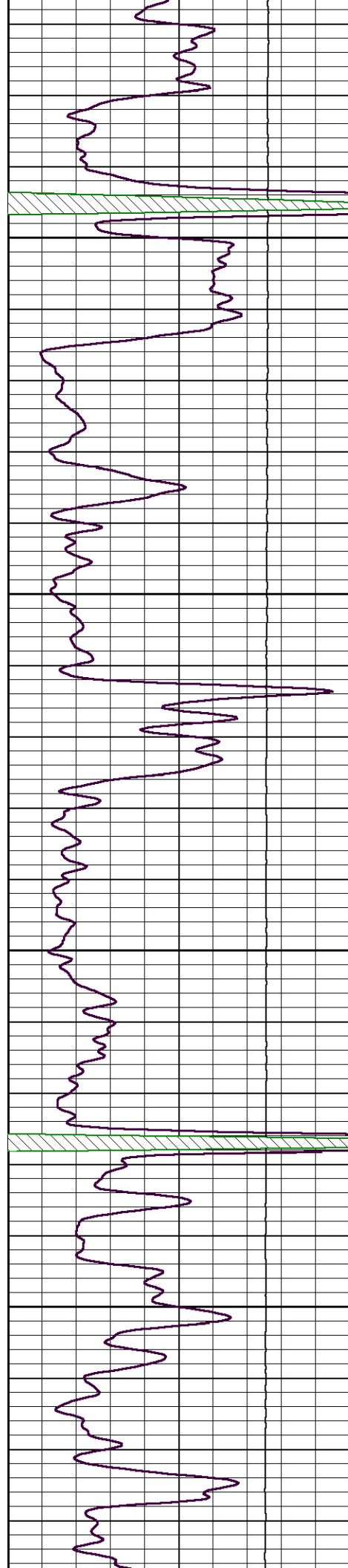


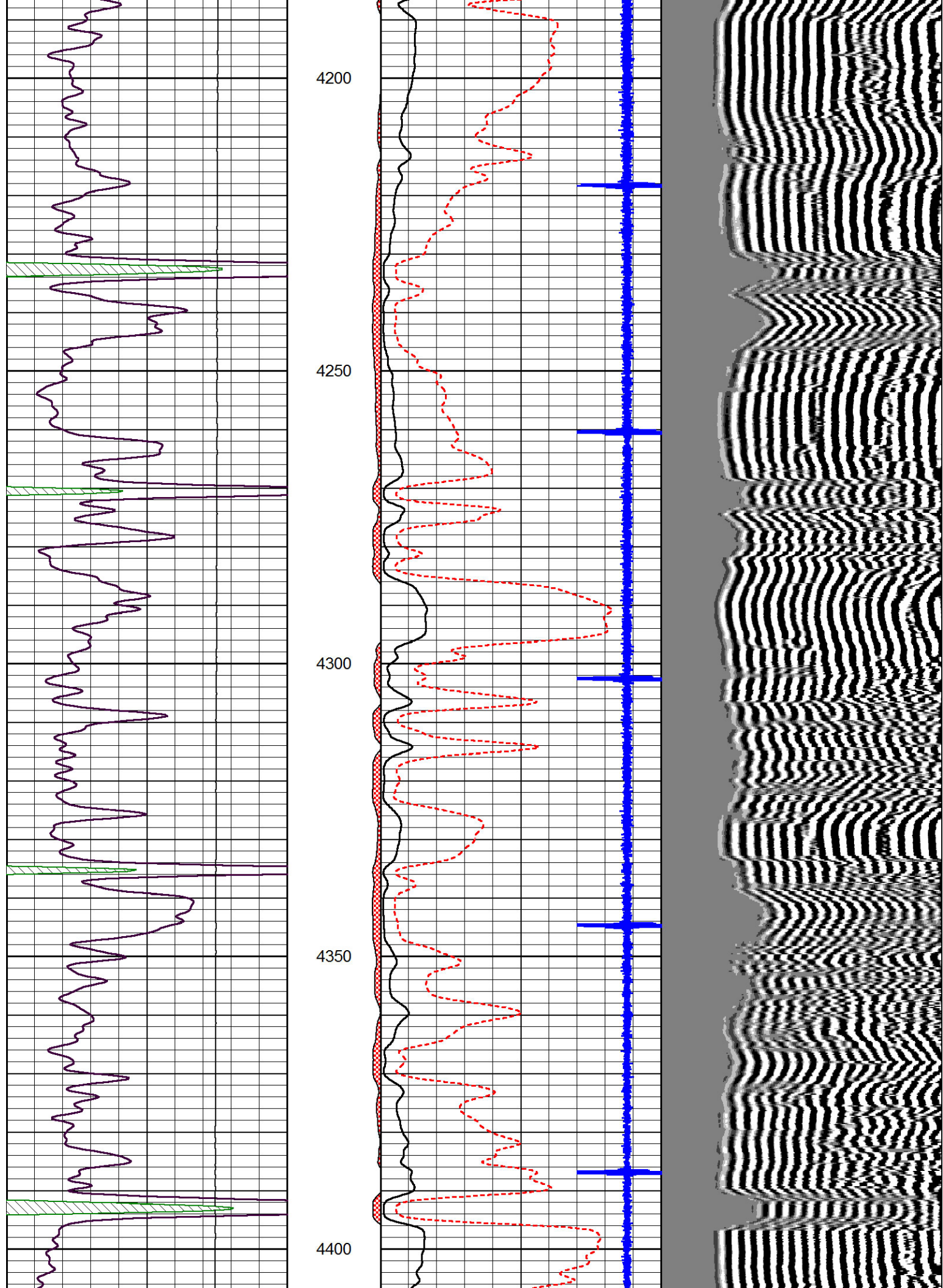
Top of Good Cement

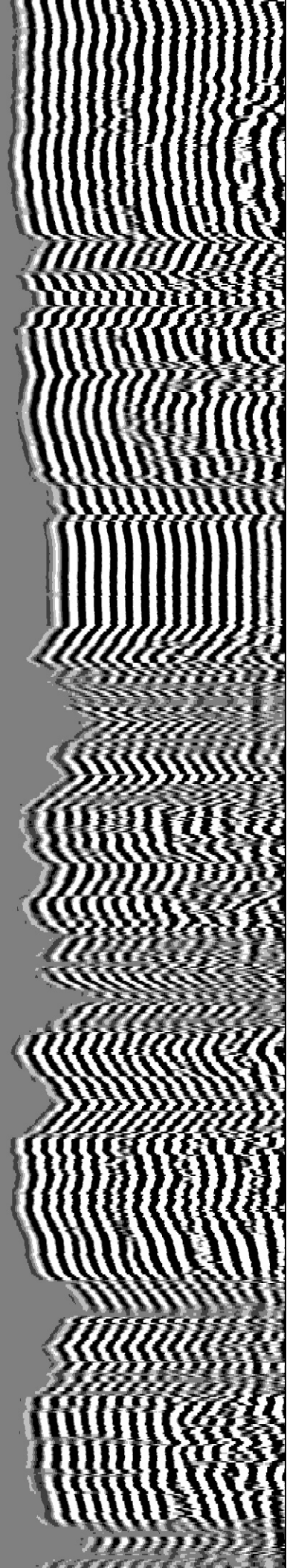
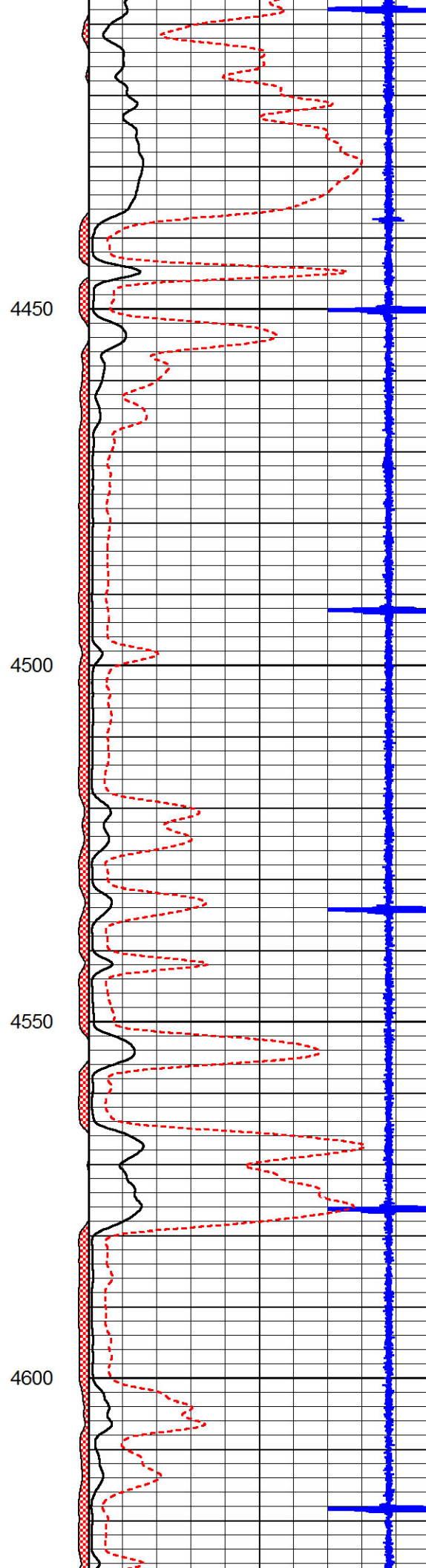
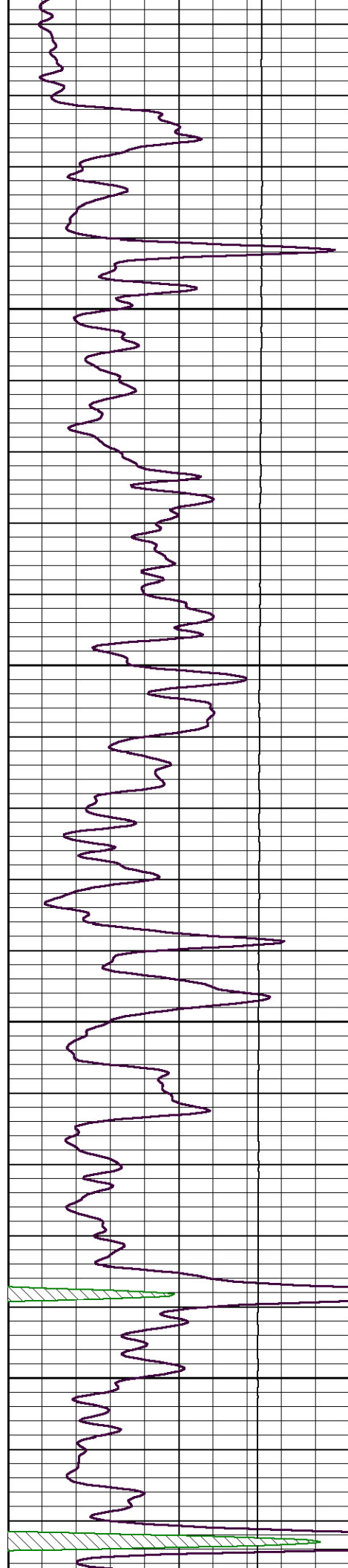


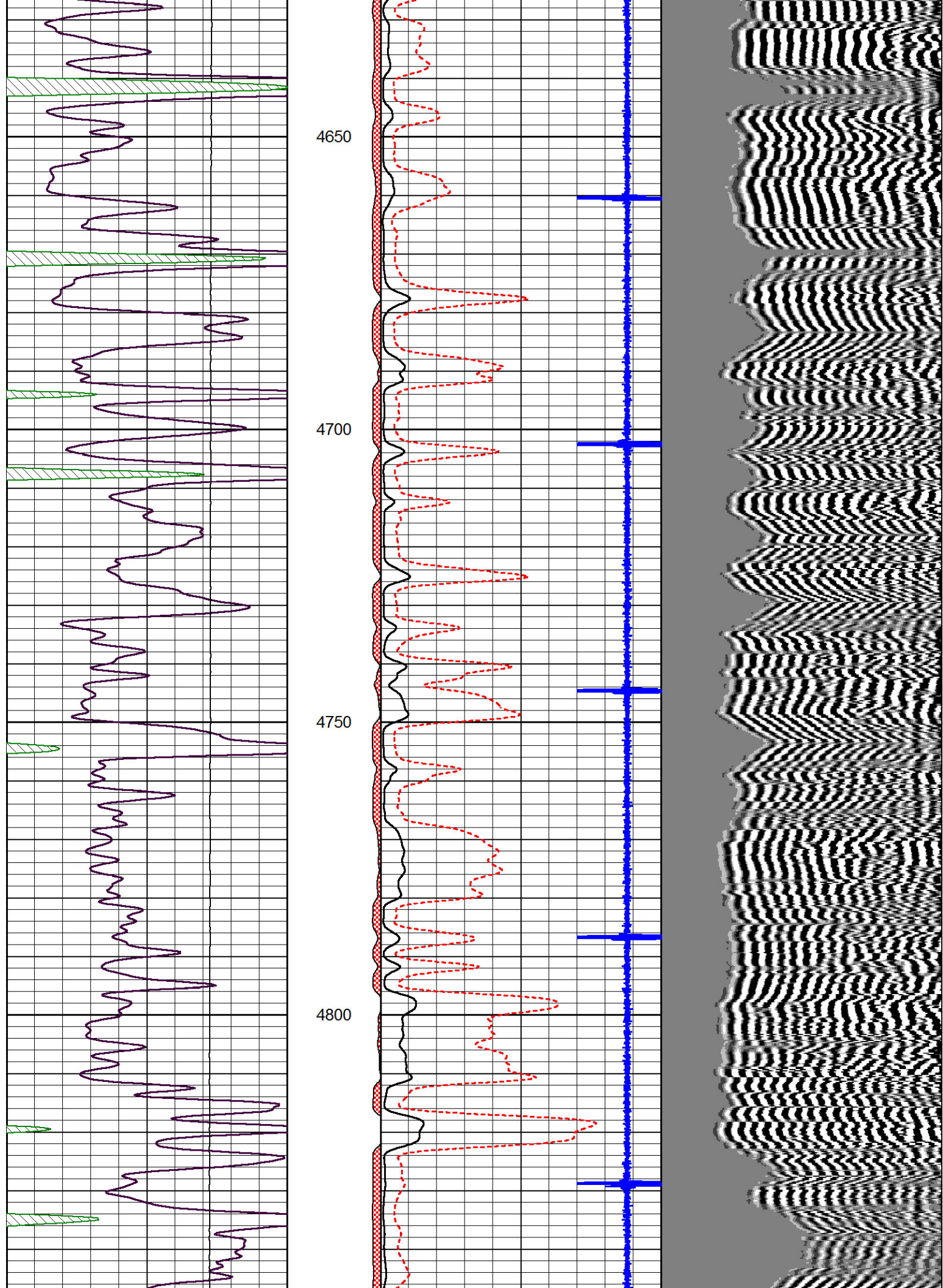


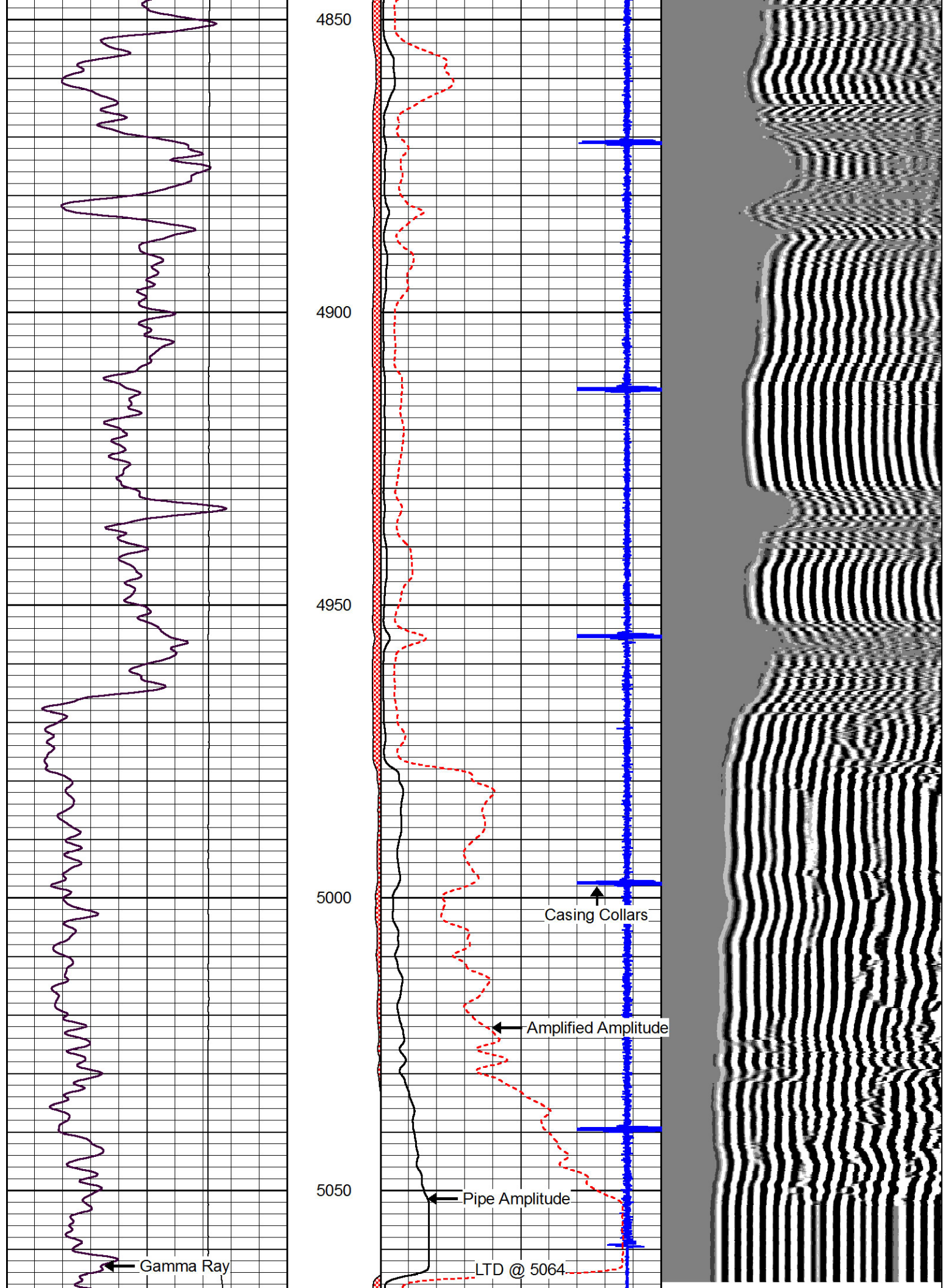


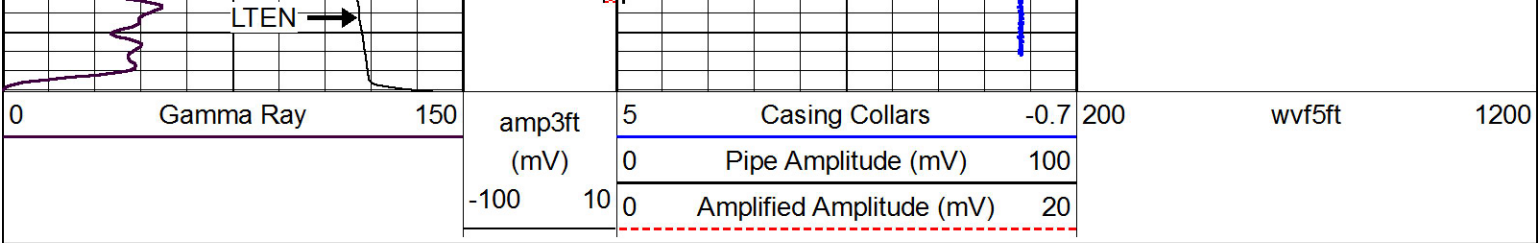












Repeat Section

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