



Sonic Cement Bond Log

Pioneer Energy Services

API No.

15-035-24527

Company Toas Resources Operating Company
Well Long No. 1
Field Biddle
County Cowley
State Kansas

Location

990' FNL & 1320' FWL

Other Services

Sec: 36 Twp: 31S Rge: 4E

Permanent Datum Ground Level Elevation 1192
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1200
D.F. 1198
G.L. 1192

Run Number

One

Date Survey

10/1/2013

Date Cementing

9/25/2013

Type Cementing Operation

Primary

Depth Driller

3530

Depth Logger

3482

Logged Interval

3482 to 1928

Casing Driller

5.5 @ TD

Float Collar -- D.V. Tool

////

Squeeze Depth

////

Amount & Type Cement

////

Amount & Type Admix

////

Type Fluid In Hole

Water

Fluid Level

Full

Salinity PPM CL

////

Weight lb/gal -- Vis.

////

Approx. Logged Cement Top

2128

Calculated Cement Top

////

Max. Hole Temperature

////

Tool No.

DBT 1-1

Spacing Recorded

3-5

Equipment -- Location

13 Pratt

Recorded By

M. Schwerdtfeger

Witnessed By

Terry Madden

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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
(620) 672-8300

Winfield Ks 160 & 360 JCT,
4 1/2 North,
South Into



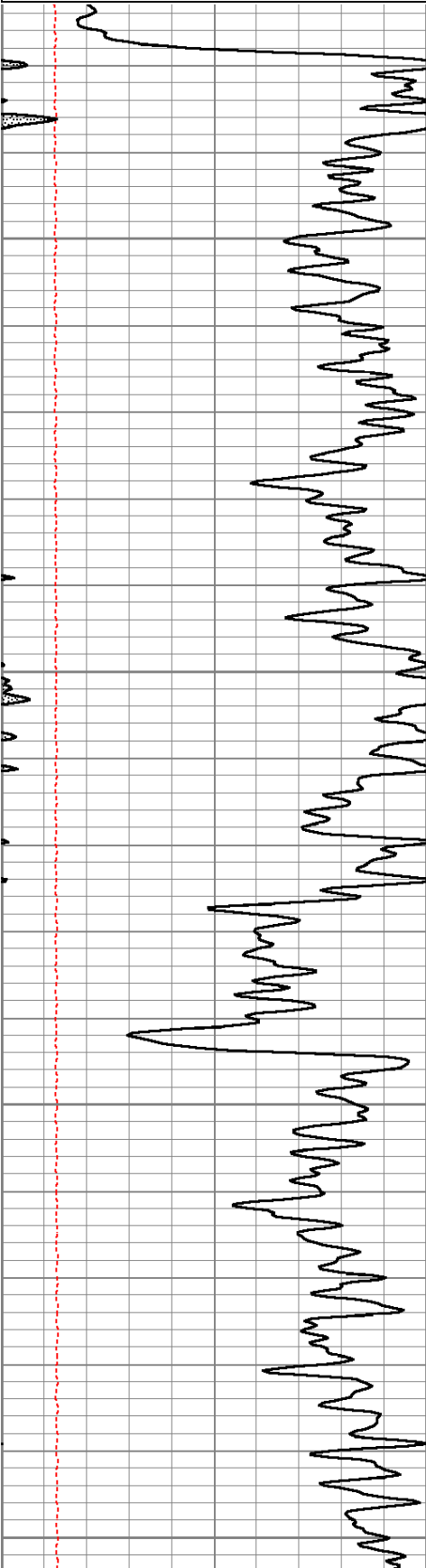
Main Pass

Database File: taos_winfieldks.db
Dataset Pathname: grcbl/pass3
Presentation Format: cbldig
Dataset Creation: Tue Oct 01 07:50:02 2013 by Log SCH 120126
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150
0	LTEN (lb)	5000

0	Amplitude (mV)	100
0	Amplified Amplitude (mV)	10
16	Collar Locator	-1.7

200 Variable Density 1200

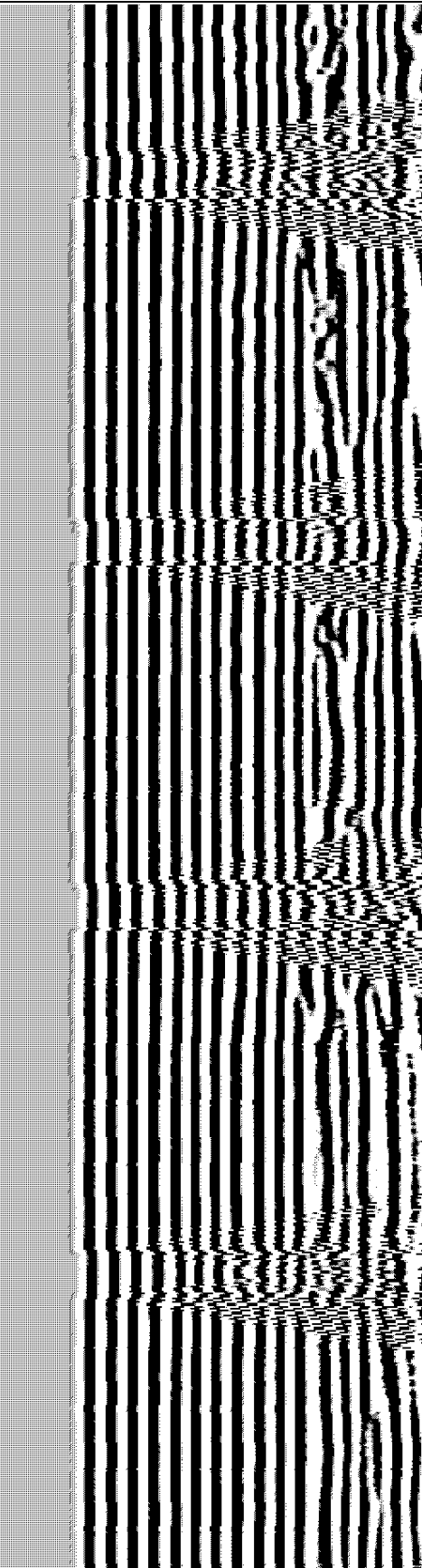
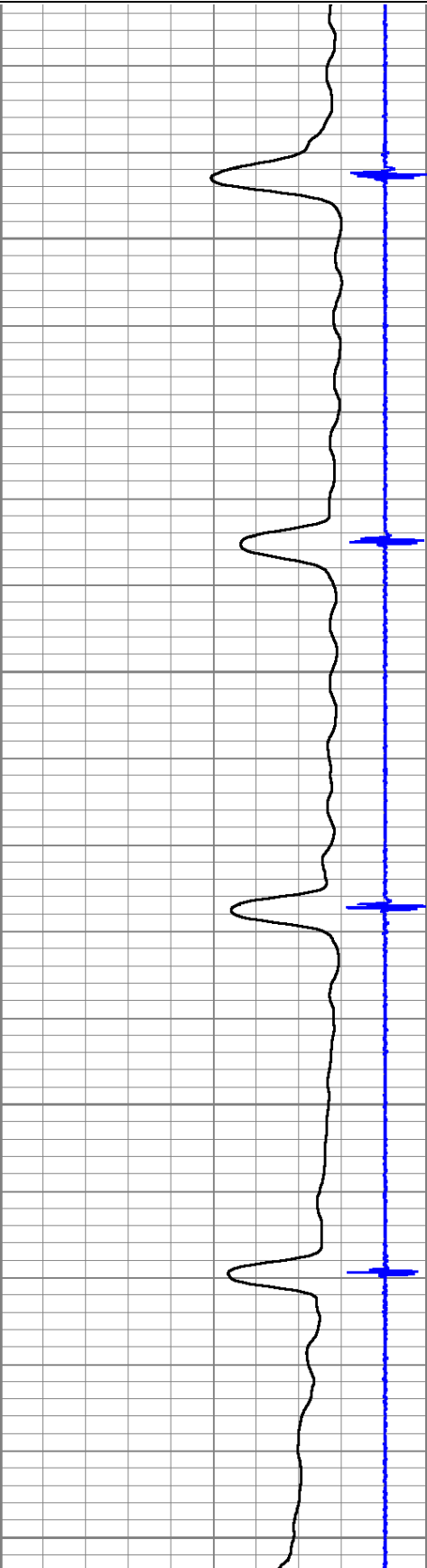


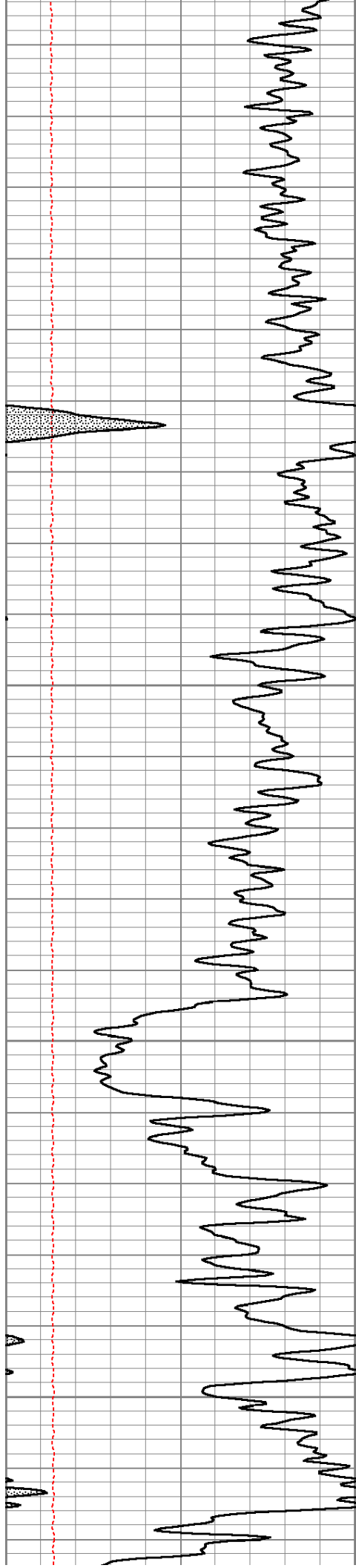
1950

2000

2050

2100



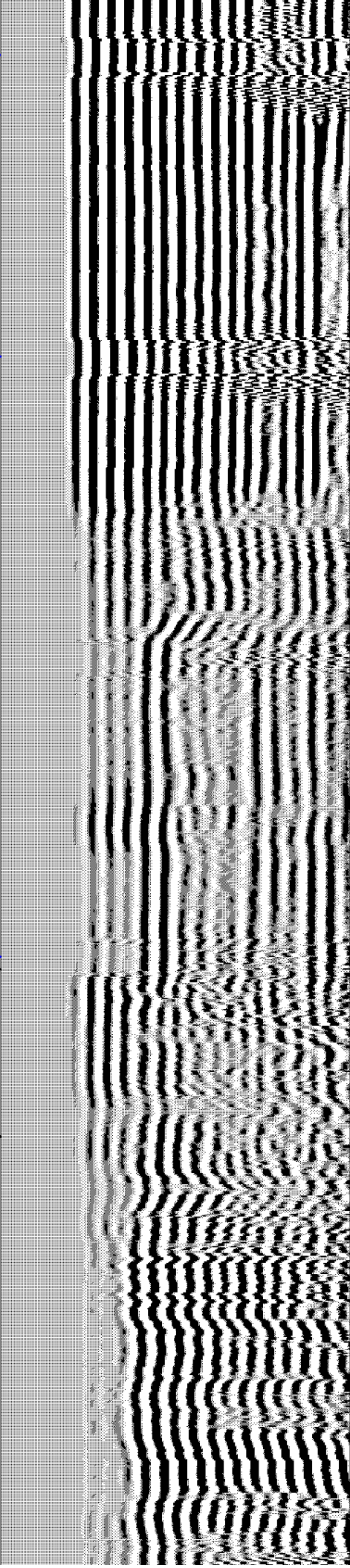
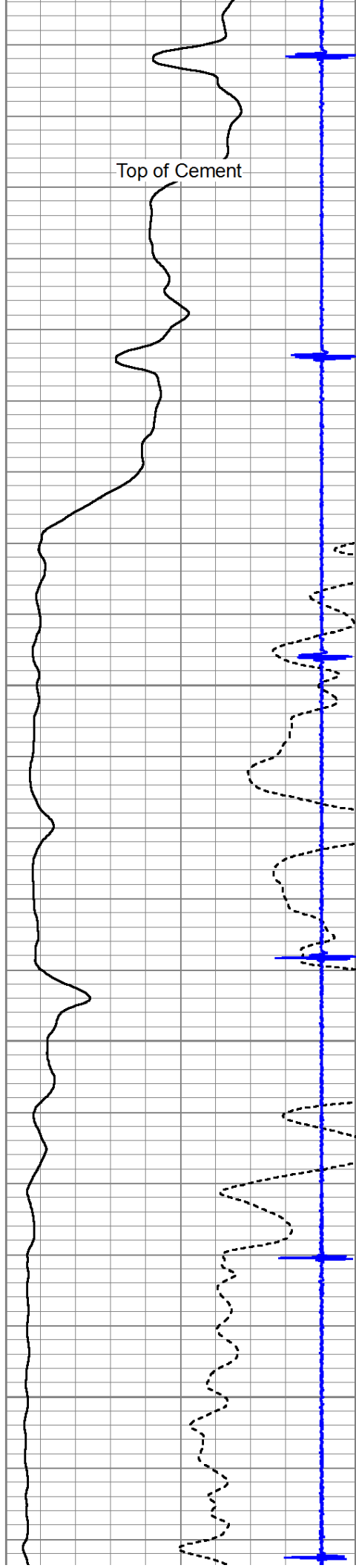


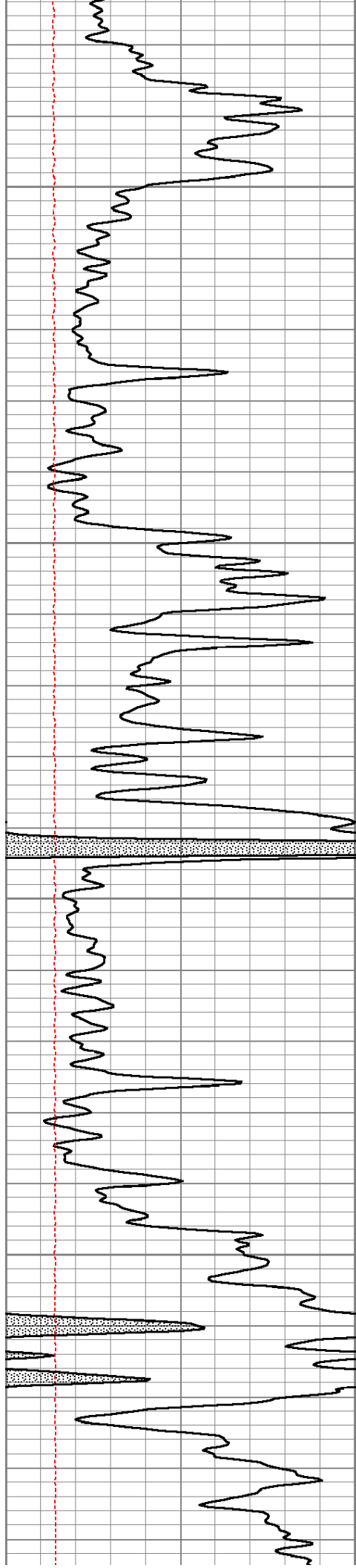
2150

2200

2250

2300



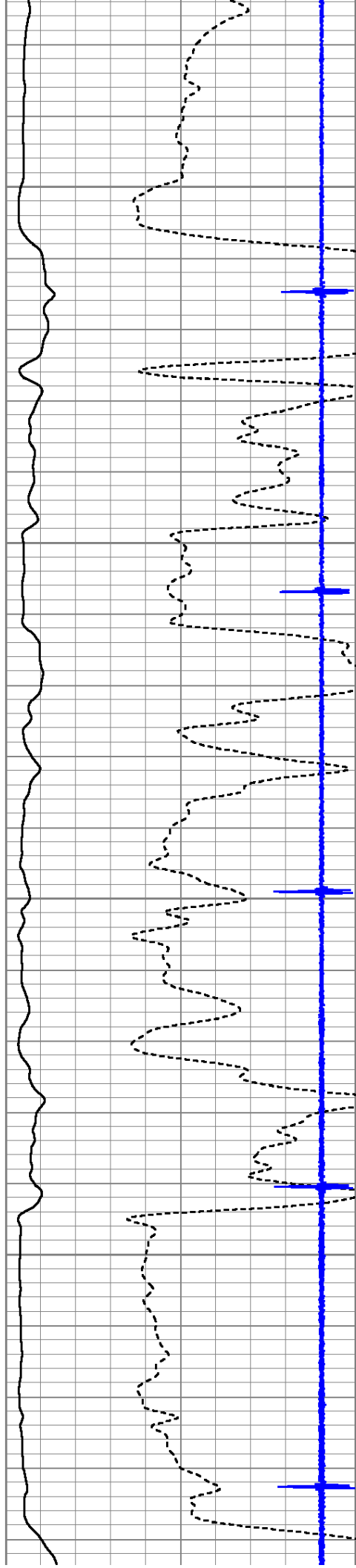


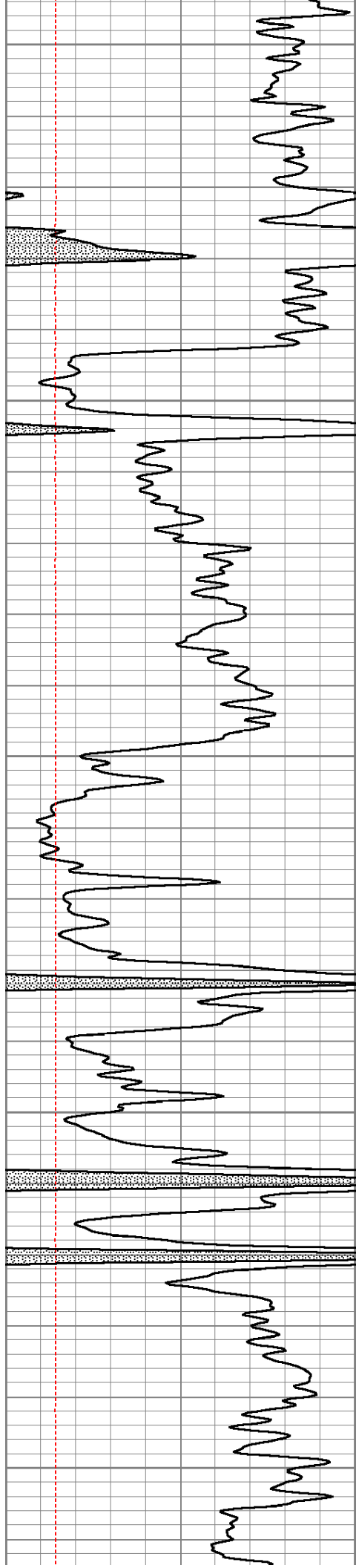
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2400

2450

2500





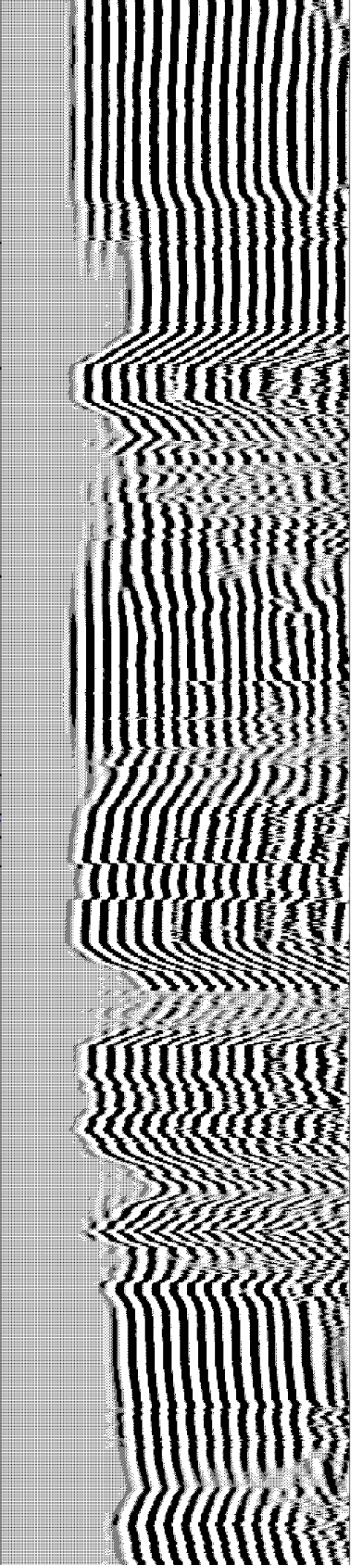
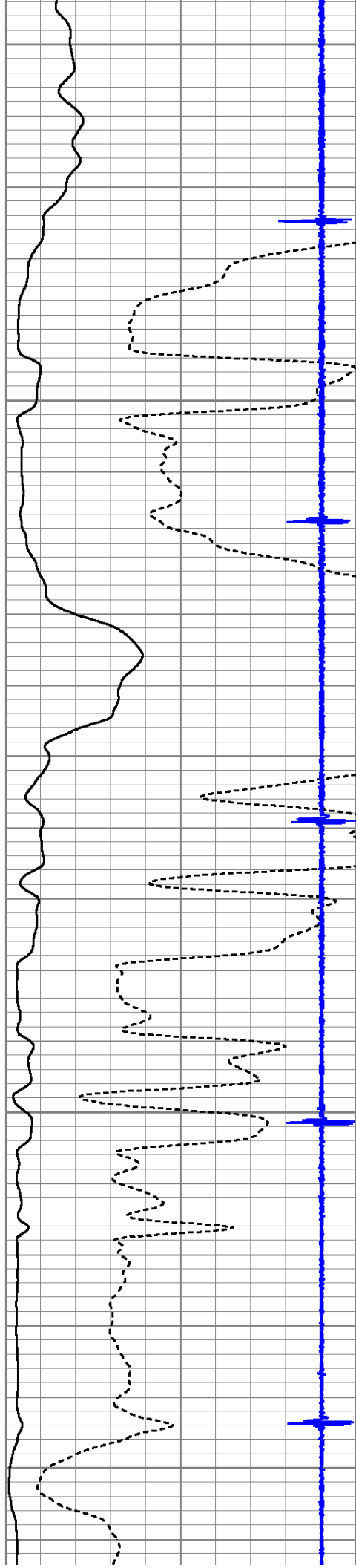
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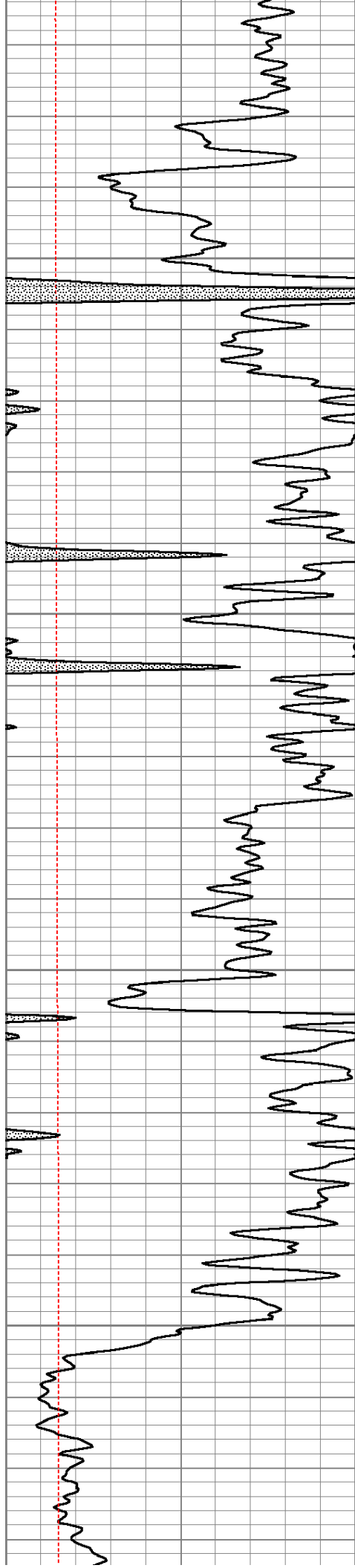
2600

2650

2700

2750



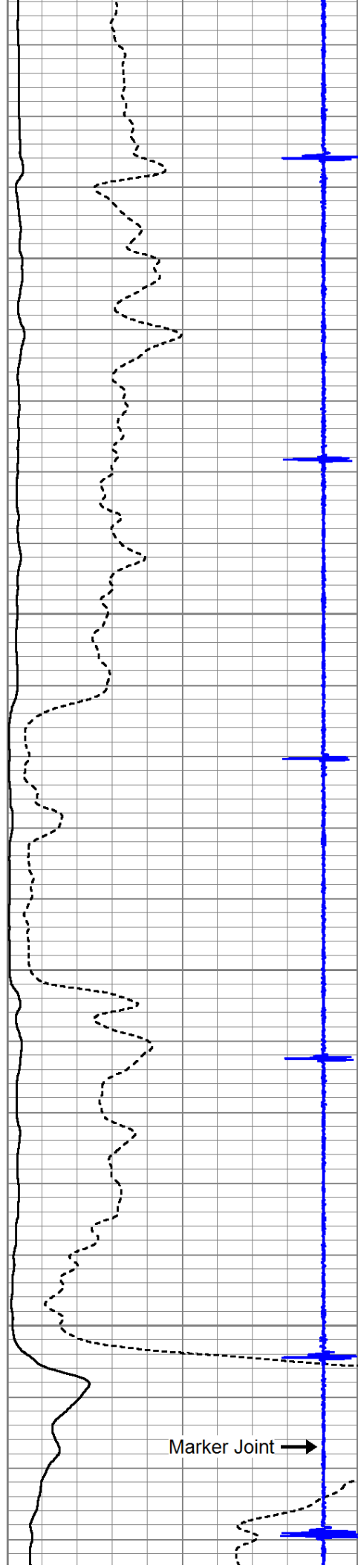


2800

2850

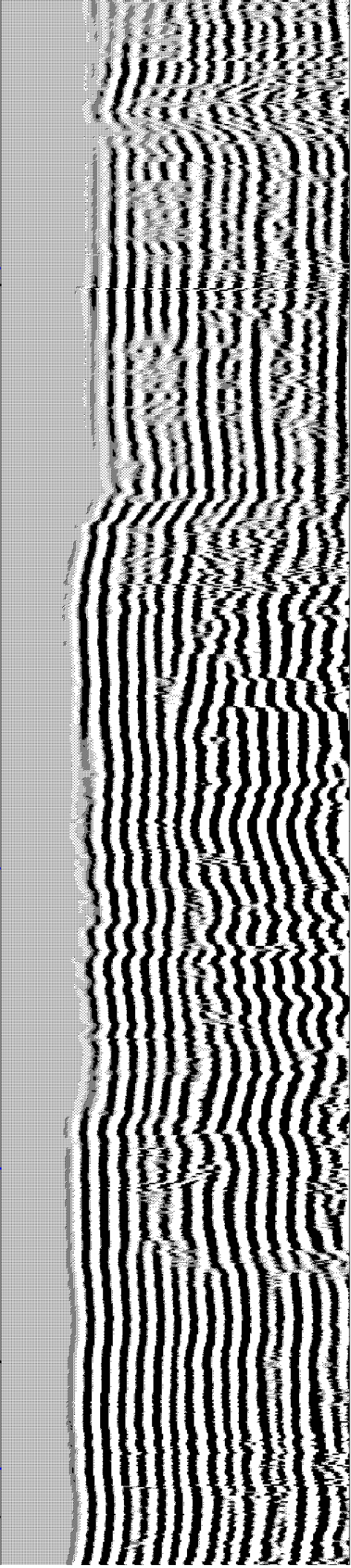
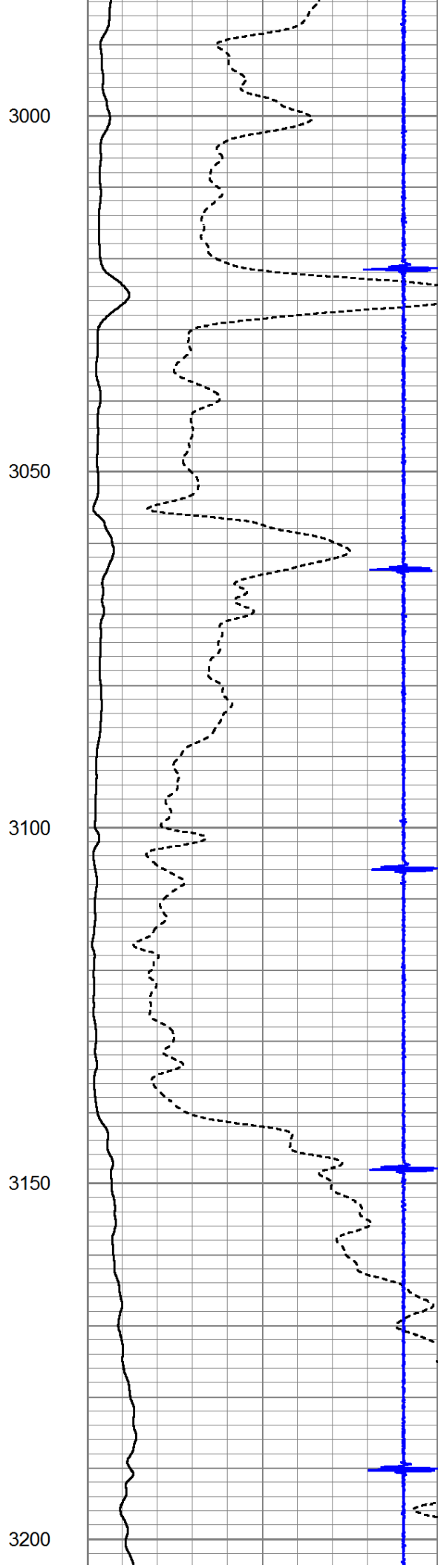
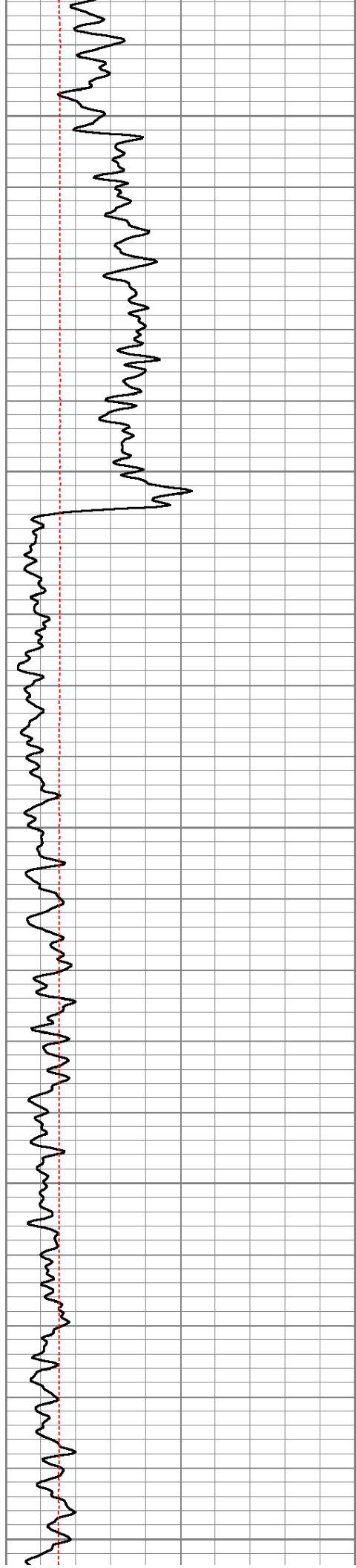
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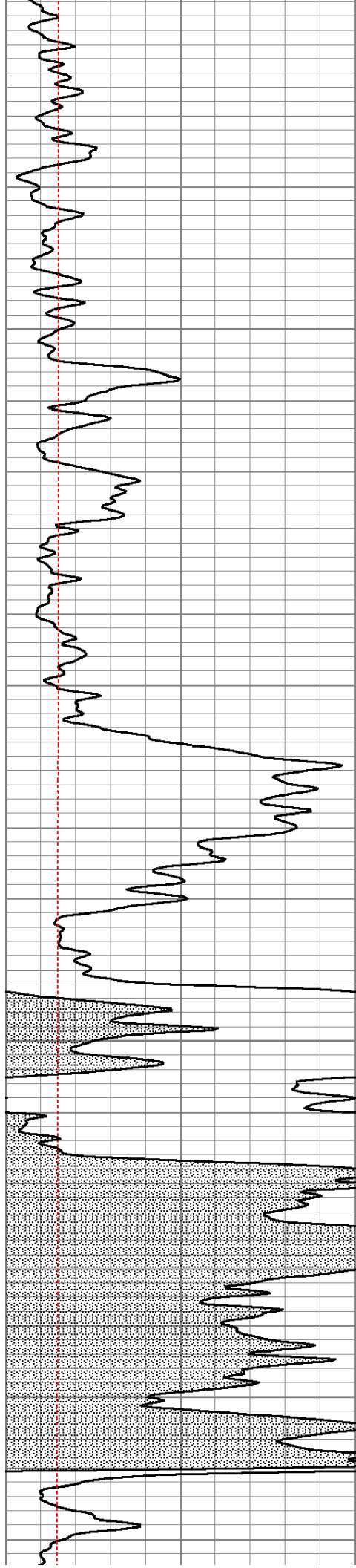
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Marker Joint →





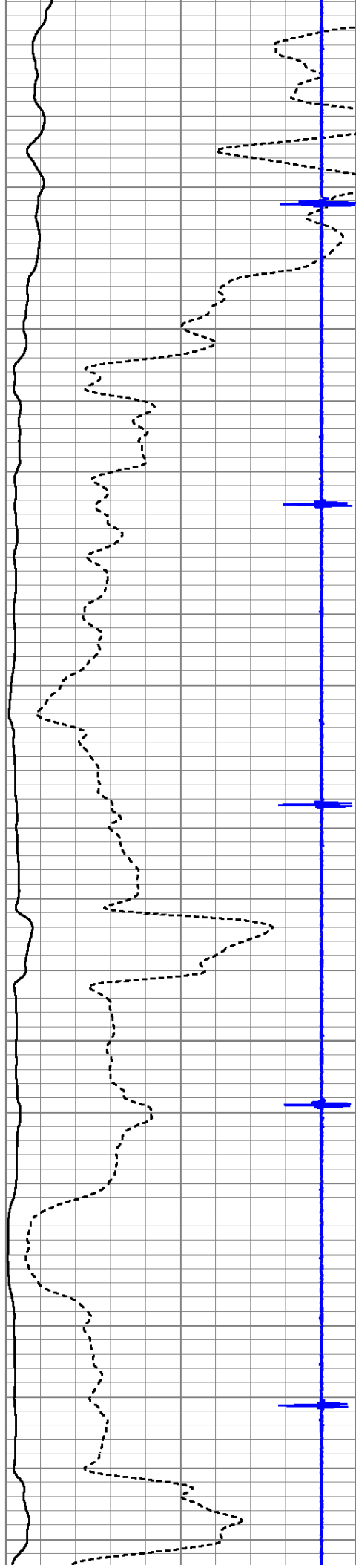


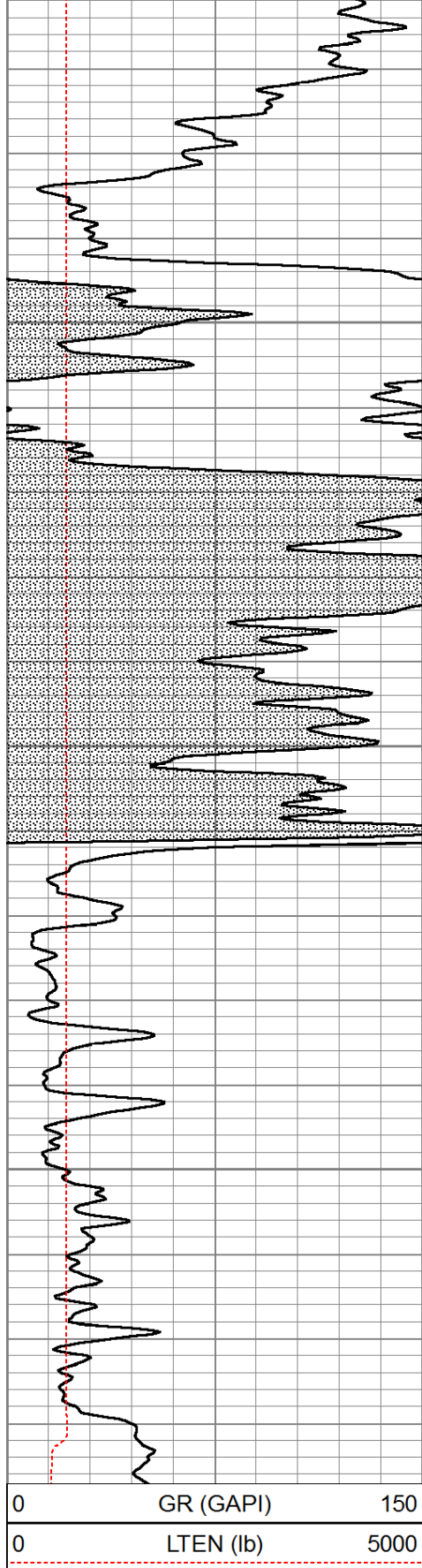
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3300

3350

3400





3350

3400

3450

