



Radiation Guard Log

Pioneer Energy Services

API No.

15-147-20753-00-00

Company **Bach Oil Production**

Well **Johnny # 4**

Field

County **Phillips** State **Kansas**

Location

3305' FSL & 1805' FEL

Other Services

Sec: **2** Twp: **1 S** Rge: **19 W**

Permanent Datum **Ground Level** Elevation **1992**

Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum

Drilling Measured From **Kelly Bushing** K.B. 1997
D.F. 1992
G.L. 1992

Date **12-17-2014**

Run Number **One**

Depth Driller **3430**

Depth Logger **3423**

Bottom Logged Interval **3422**

Top Log Interval **200**

Casing Driller **8.625 @ 221**

Casing Logger **220**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity, ppm CL **500**

Density / Viscosity **8.8 57**

pH / Fluid Loss **10.5 4.8**

Source of Sample **Flowline**

Rm @ Meas. Temp **1.00 @ 52**

Rmf @ Meas. Temp **0.72 @ 52**

Rmc @ Meas. Temp **1.35 @ 52**

Source of Rmf / Rmc **Charts**

Rm @ BHT **0.47 @ 110**

Operating Rig Time **4 Hours**

Max Rec. Temp. F **110**

Equipment Number **15**

Location **Hays**

Recorded By **Y. Ruiz**

Witnessed By **Bob Petersen**

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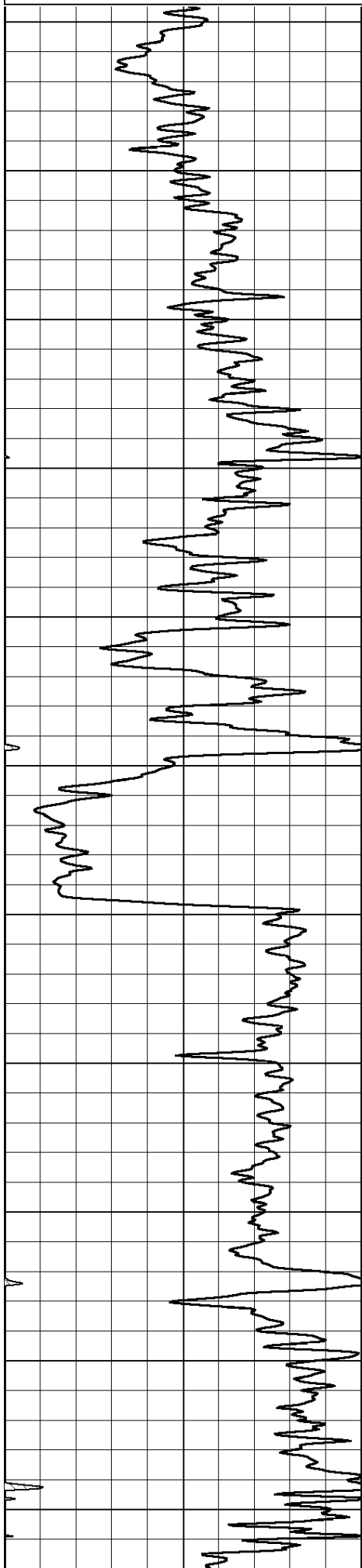
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

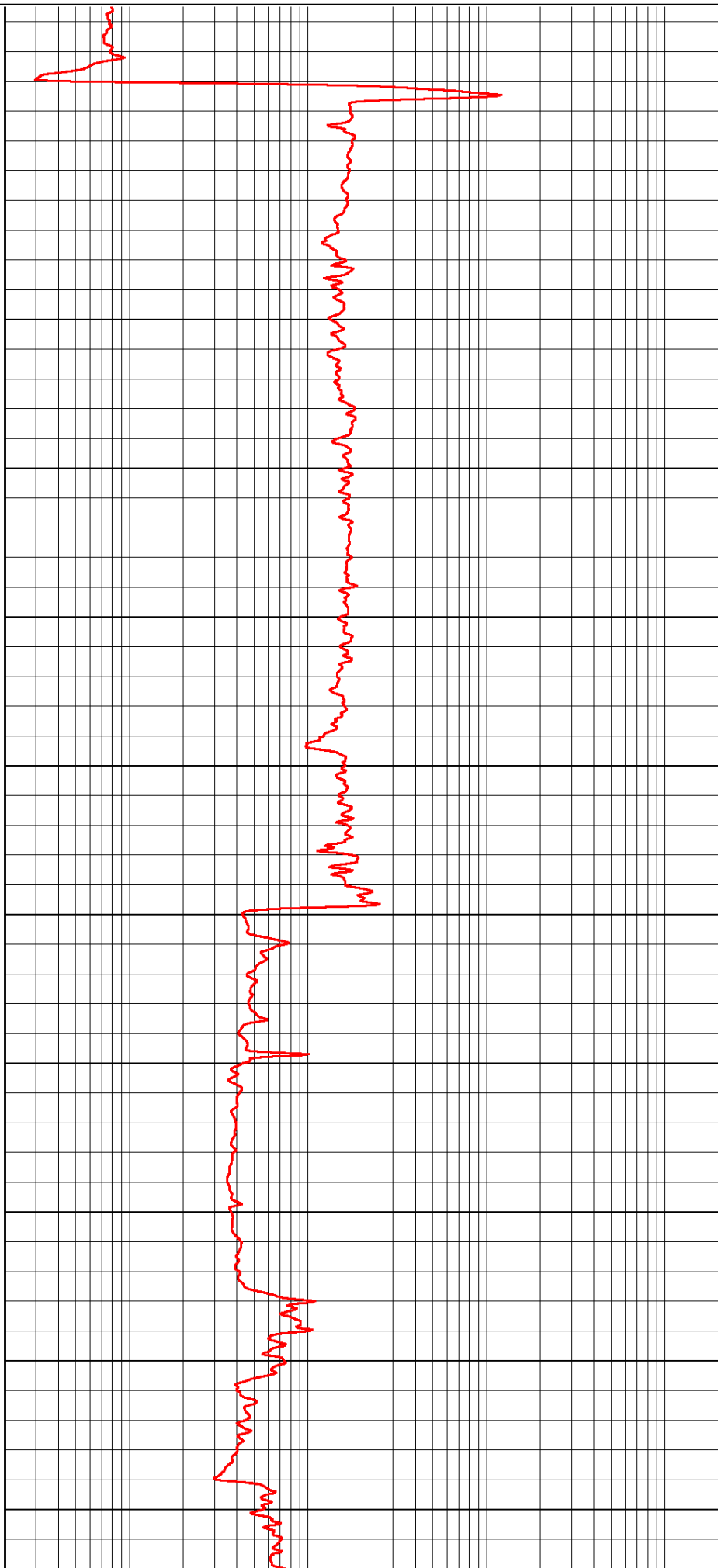
Thank you for using Log-Tech, Inc.
(785) 625-3858

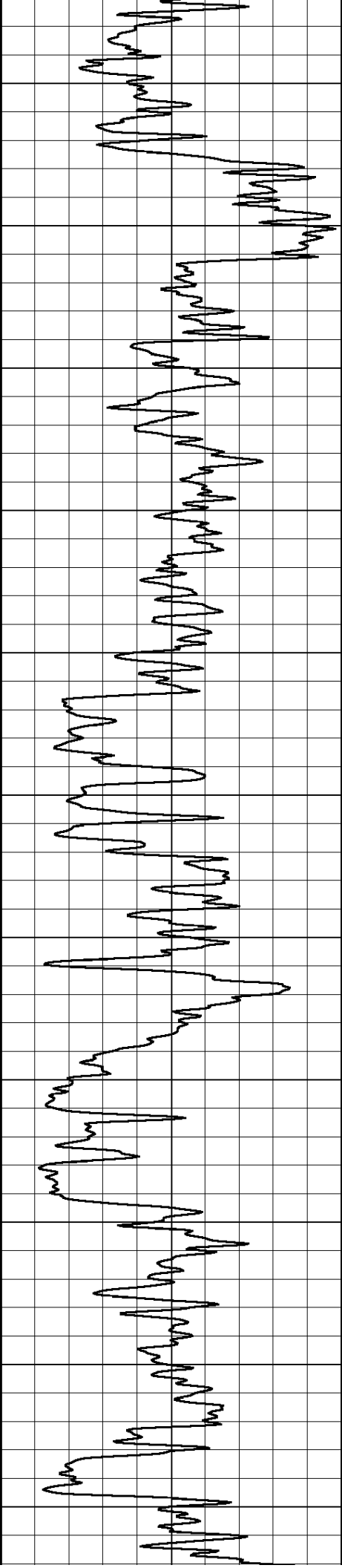
Phillipsburg,
North on Hwy 183 to Hwy 383, West to 600 Rd, 1/2 North, 1 East,
North into

Database File: bach_johny_4_hd.db
Dataset Pathname: RAG/barag
Presentation Format: rag2in
Dataset Creation: Wed Dec 17 07:24:42 2014
Charted by: Depth in Feet scaled 1:600



200
250
300
350
400
450
500
550
600
650
700





750

800

850

900

950

1000

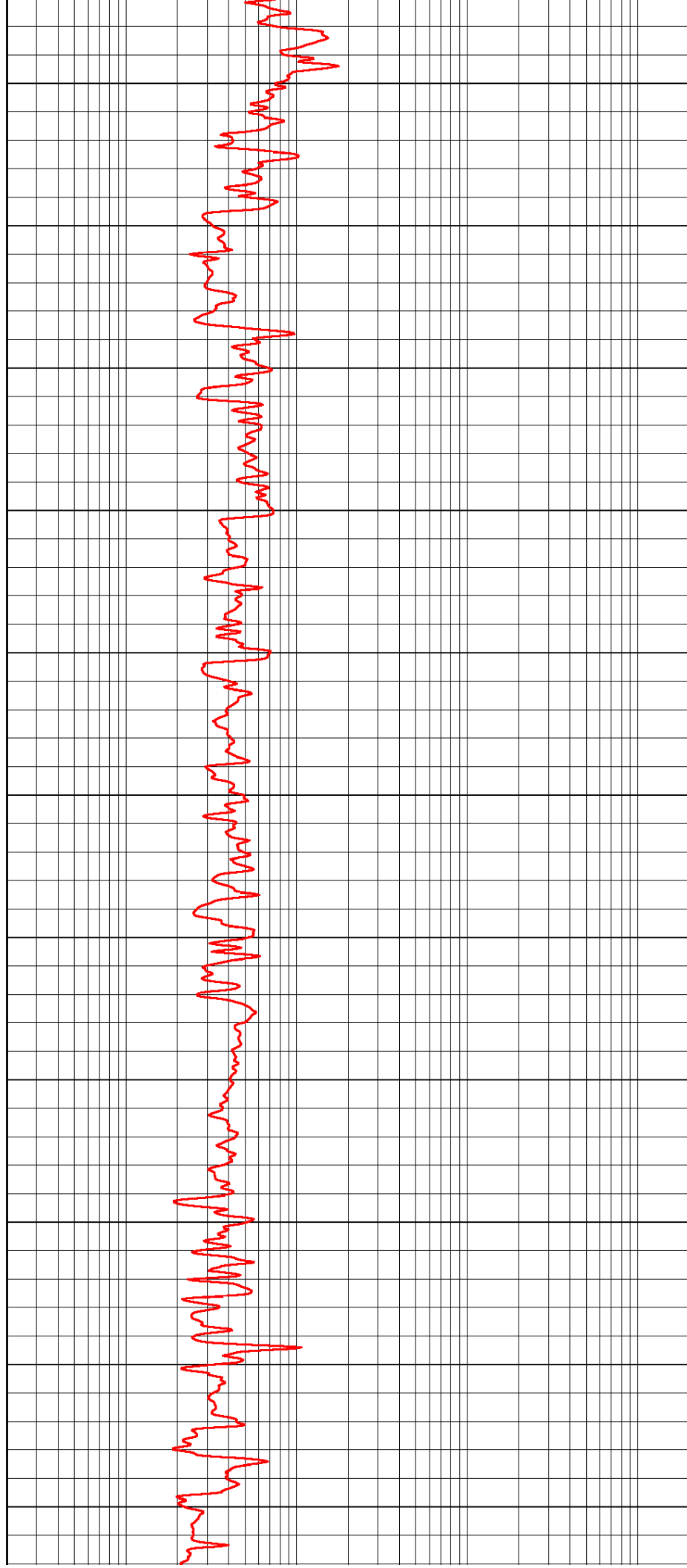
1050

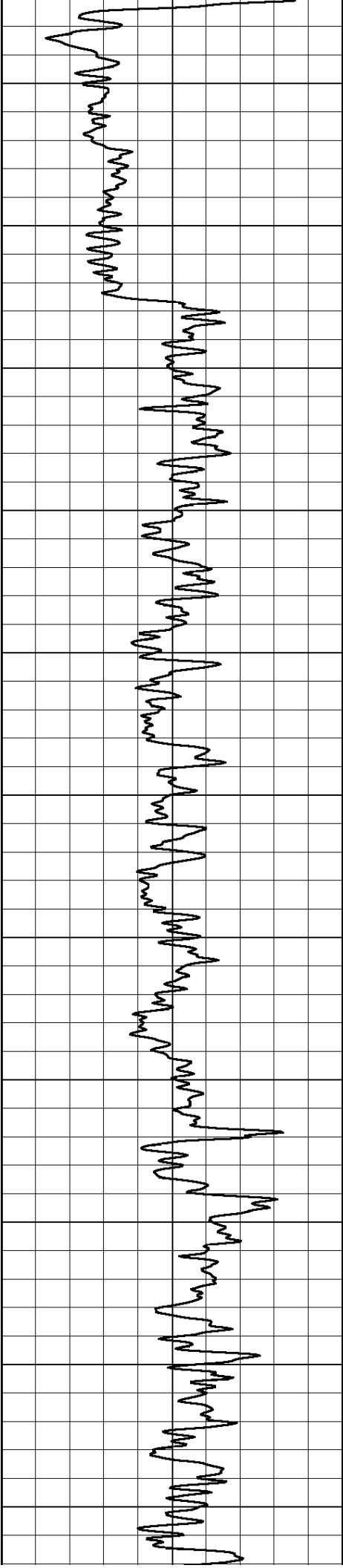
1100

1150

1200

1250





1300

1350

1400

1450

1500

1550

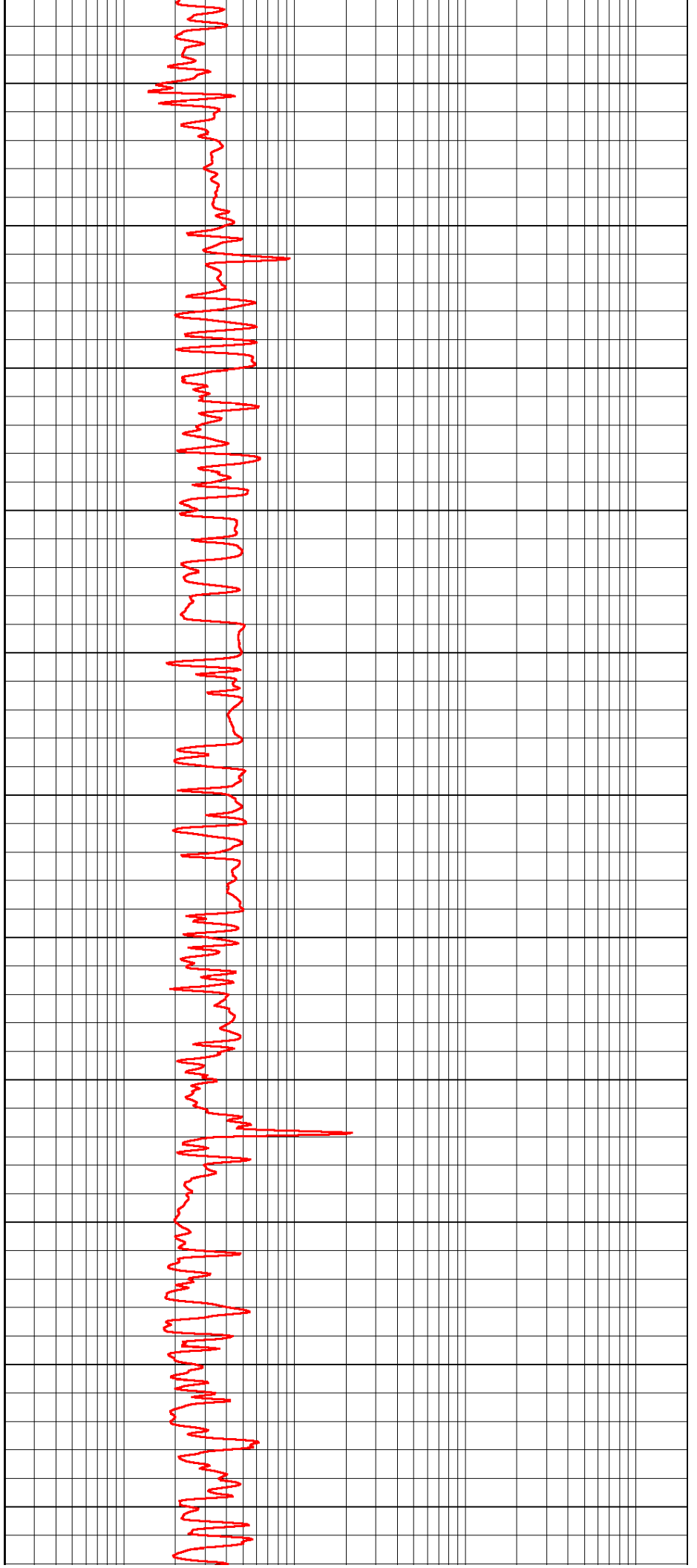
1600

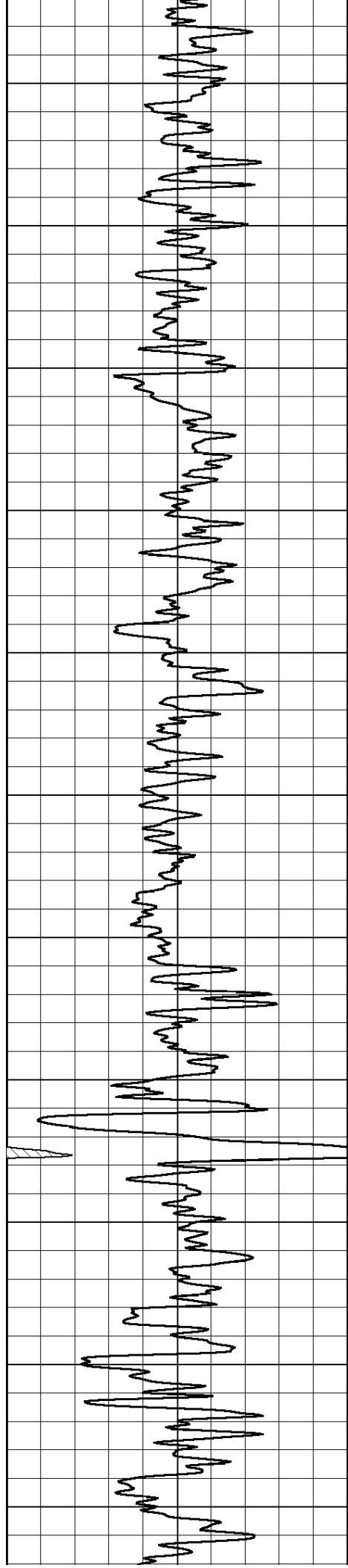
1650

1700

1750

1800





1850

1900

1950

2000

2050

2100

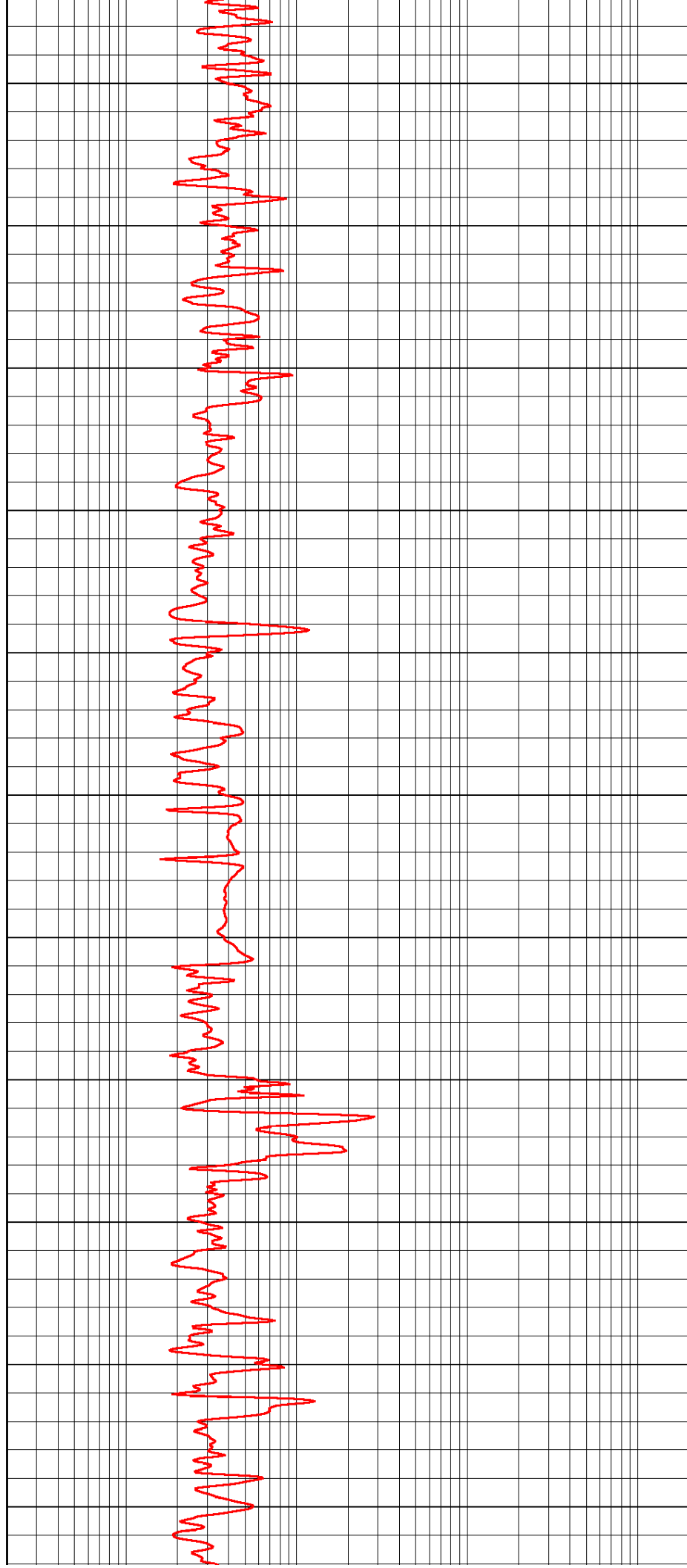
2150

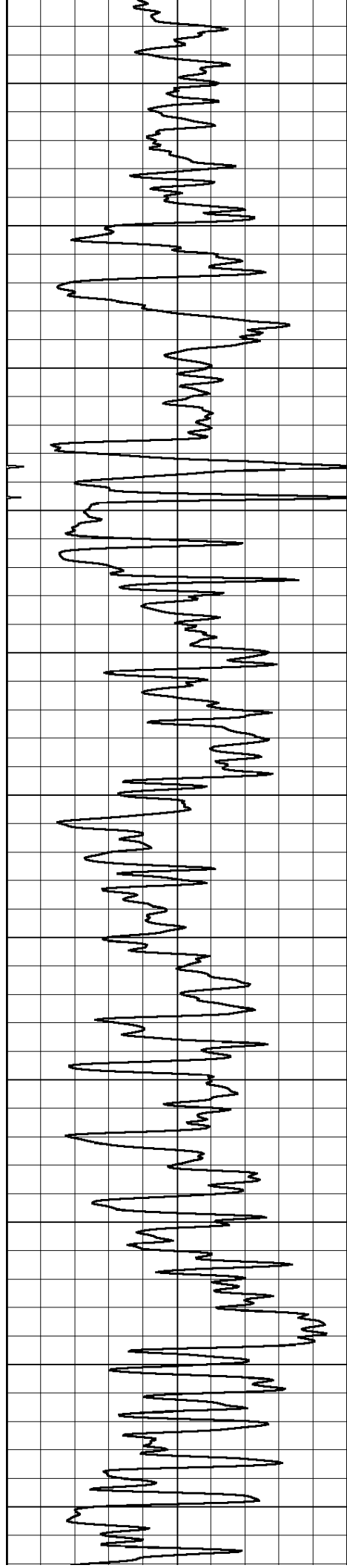
2200

2250

2300

2350





2400

2450

2500

2550

2600

2650

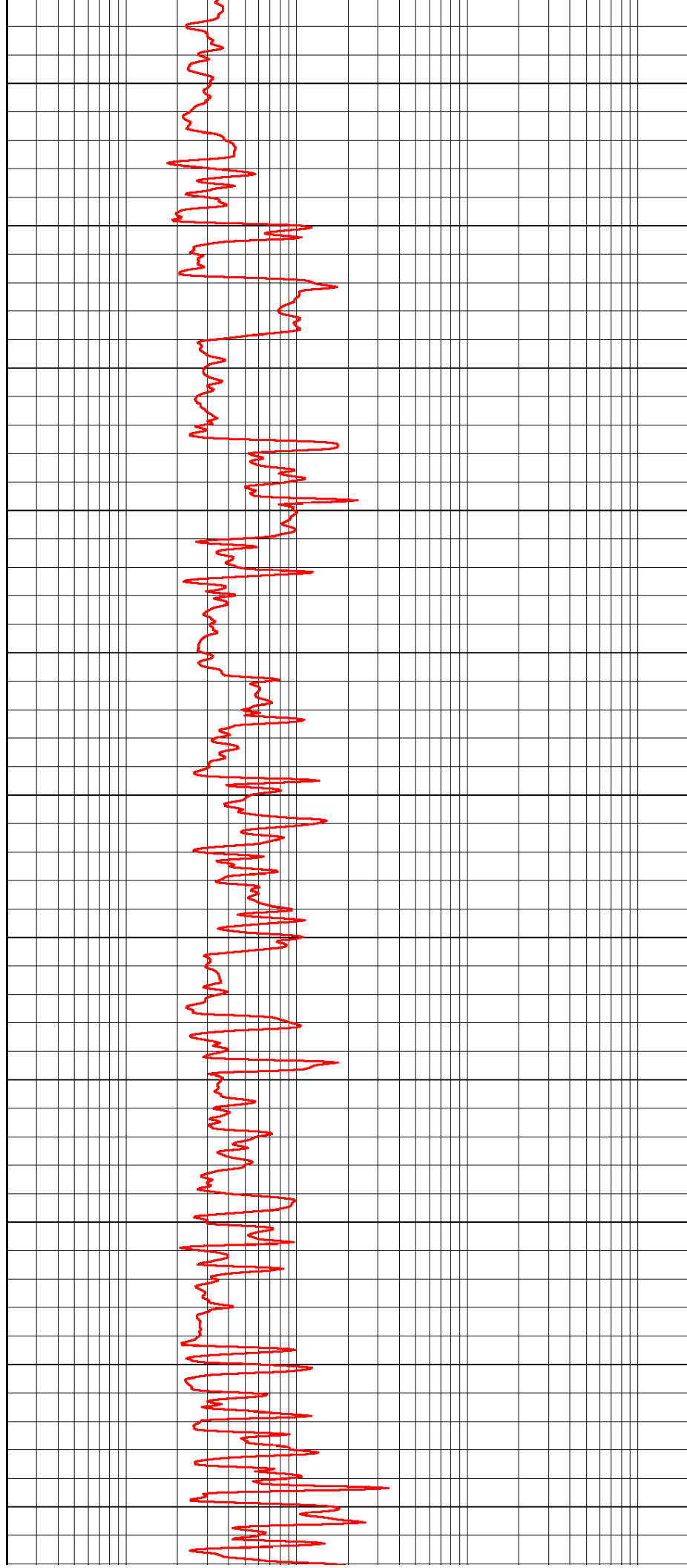
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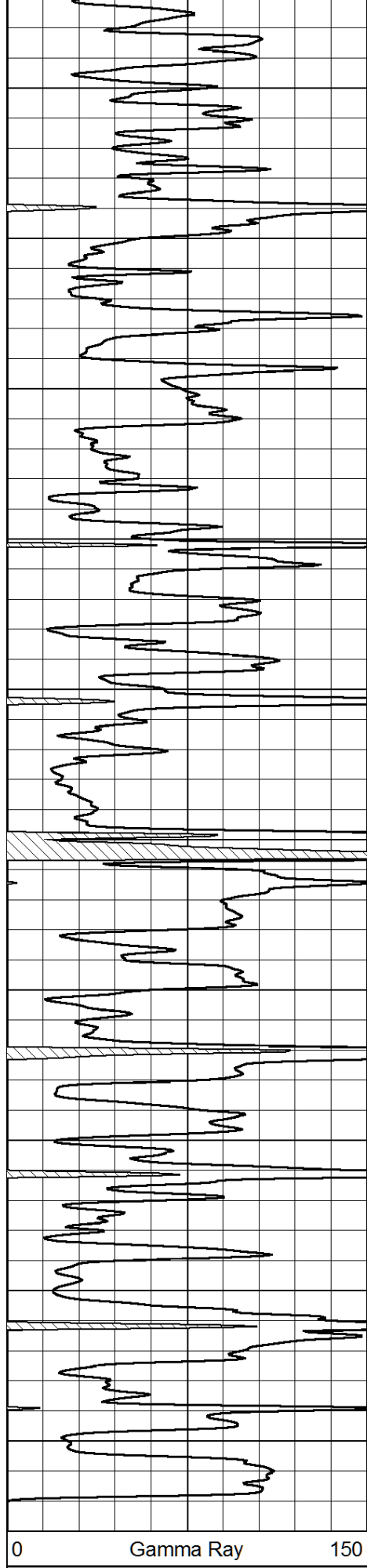
2750

2800

2850

2900





2950

3000

3050

3100

3150

3200

3250

3300

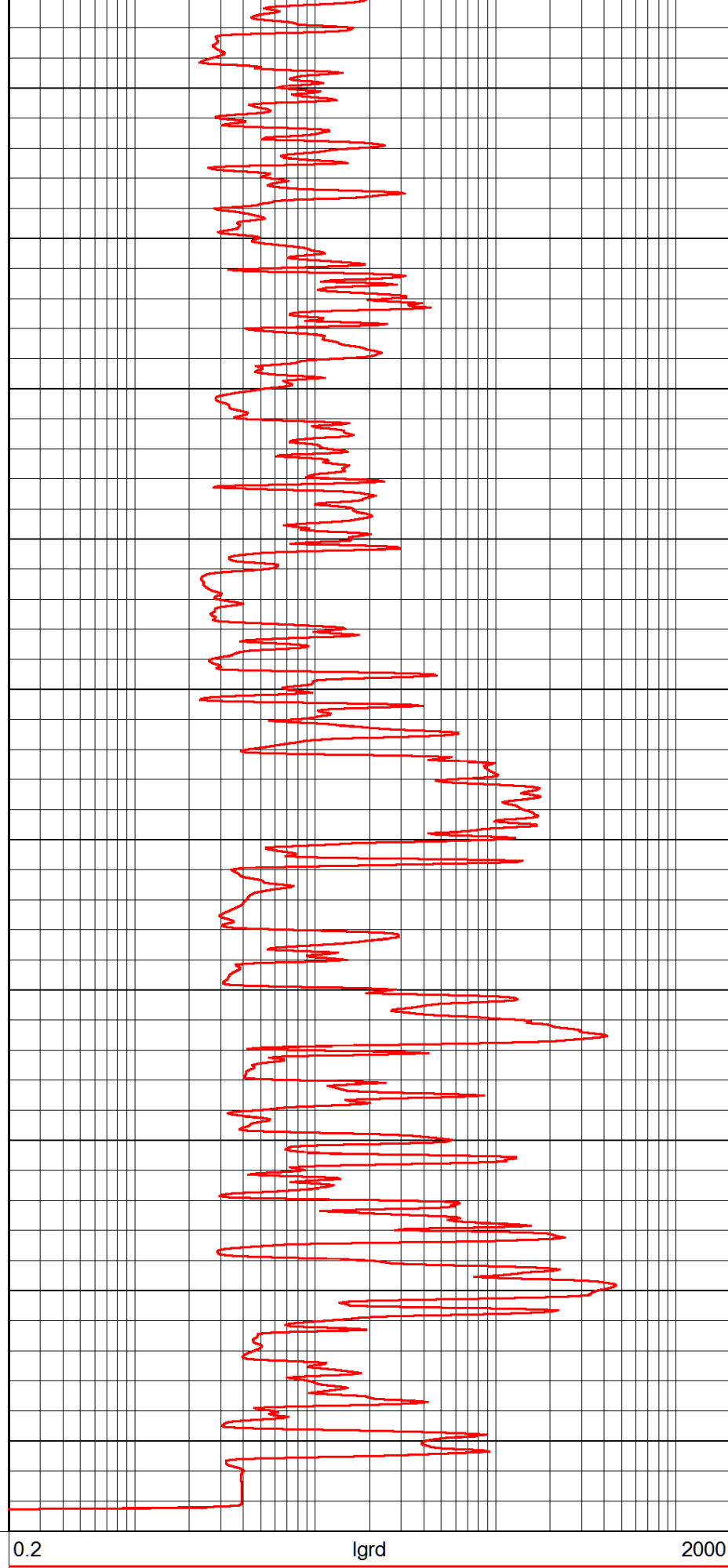
3350

3400

0

Gamma Ray

150



0.2

lgd

2000

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0	Gamma Ray	150
6	Caliper (GAPI)	16
-200	sp (mV)	0

0.2	LGRD	2000
560	SWNC	2160
15000	Line Tension	0

LSPD

