

LOG-TECH



Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No.

15-047-24,580-00-00

Company G W Energy, LLC

Well Welsch No.1-20

Field Trousdale

County Edwards State

Kansas

Location

NE SW SE SE
414' FSL & 930' FEL

Sec: 20

Twp: 26S

Rge: 16W

Other Services
CNL/CDL

Permanent Datum

Ground Level

Elevation 2090

Log Measured From Kelly Bushing

12 Ft. Above Perm. Datum

K.B. 2102
D.F. 2090
G.L. 2090

Drilling Measured From Kelly Bushing

Date

12/9/2008

Run Number

One

Depth Driller

4870

Depth Logger

4870

Bottom Logged Interval

4869

Top Log Interval

400

Casing Driller

8.625 @ 429

Casing Logger

427

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

8.000

Density / Viscosity

9.1 52

pH / Fluid Loss

9.5 8.0

Source of Sample

Flowline

Rm @ Meas. Temp

.4 @ 45

Rmf @ Meas. Temp

.3 @ 45

Rmc @ Meas. Temp

.54 @ 45

Source of Rmf / Rmc

Charts

Rm @ BHT

.14 @ 125

Operating Rig Time

2 1/2 Hours

Max Rec. Temp. F

125

Equipment Number

15

Location

Hays

Recorded By

C. Desaire

Witnessed By

David Williams

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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

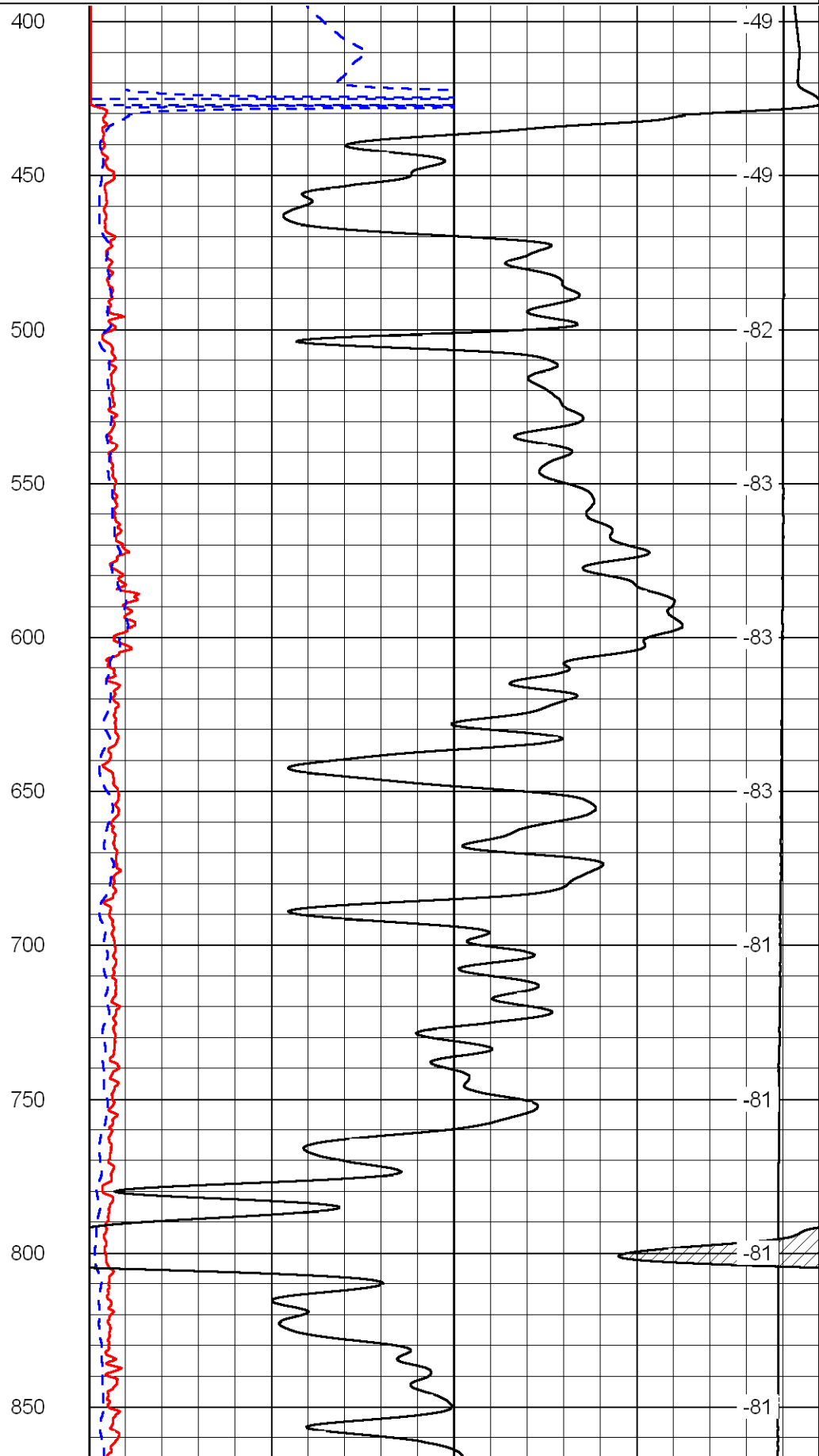
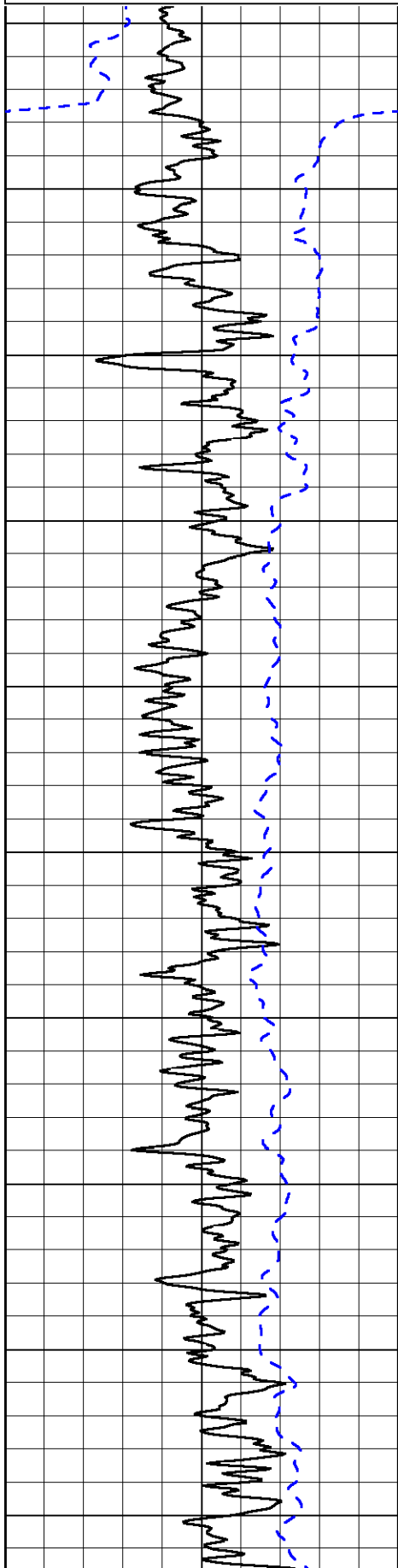
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1 E, 3 S, W Into

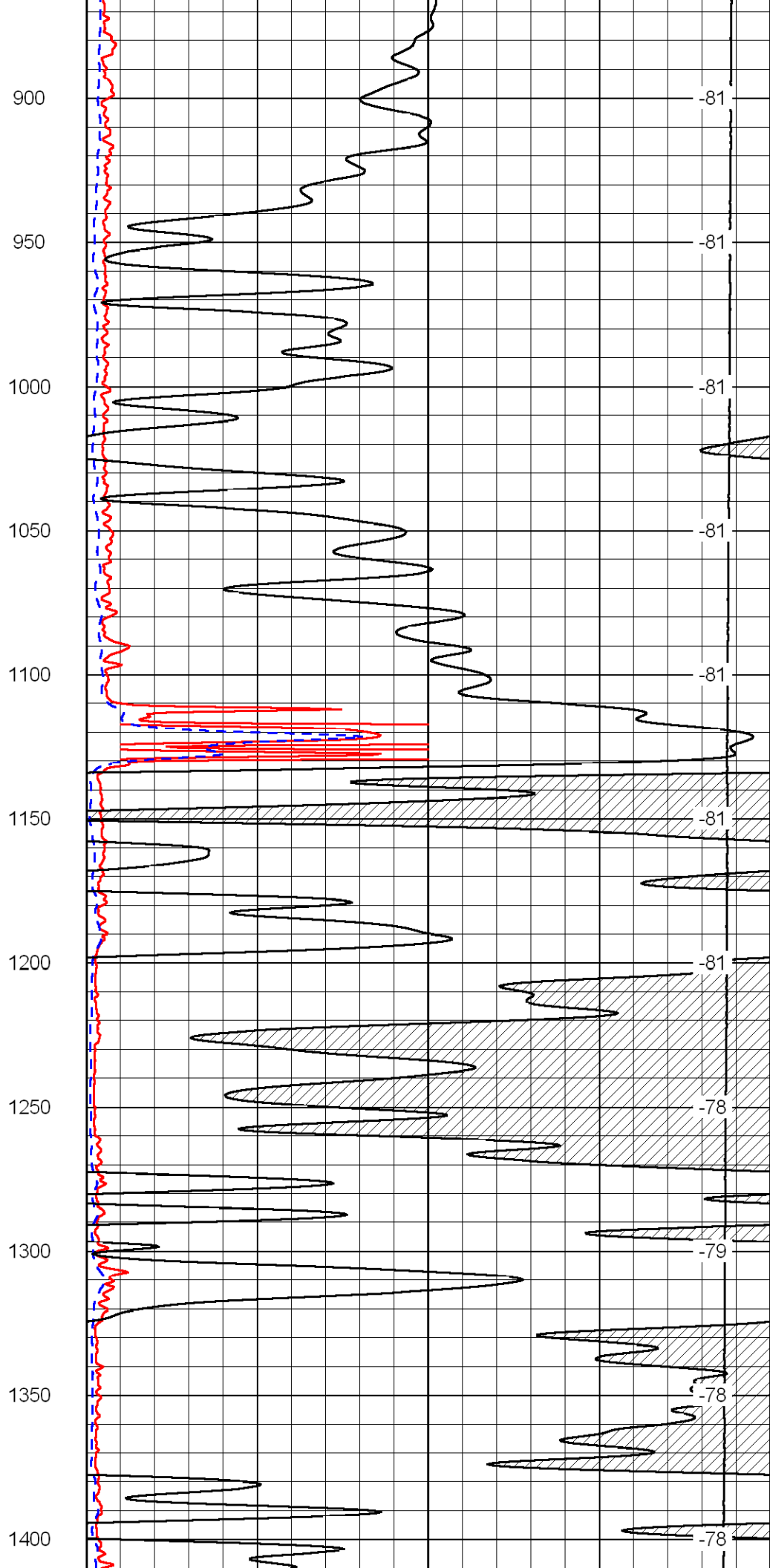
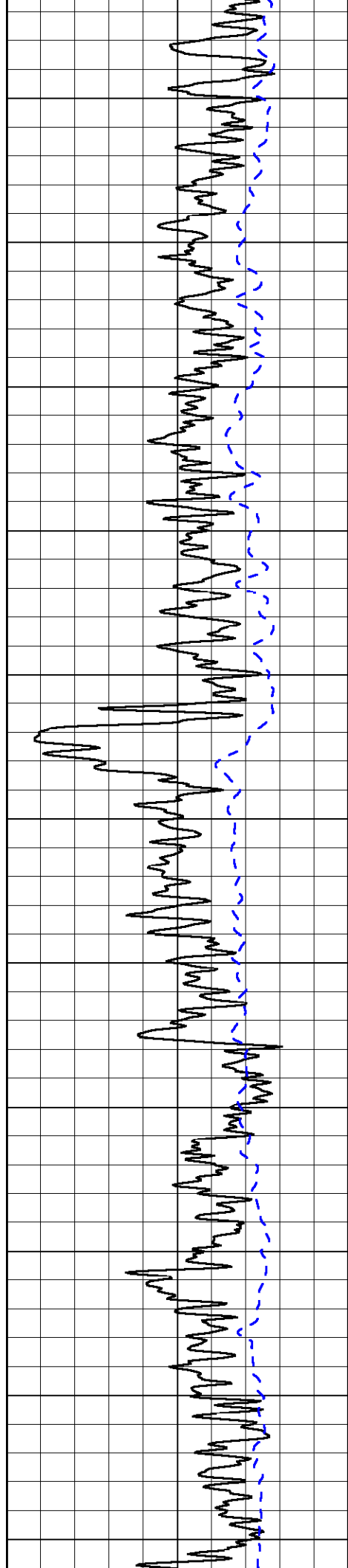
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Presentation Format: dil2in
Dataset Creation: Tue Dec 09 14:31:59 2008
Charted by: Depth in Feet scaled 1:600

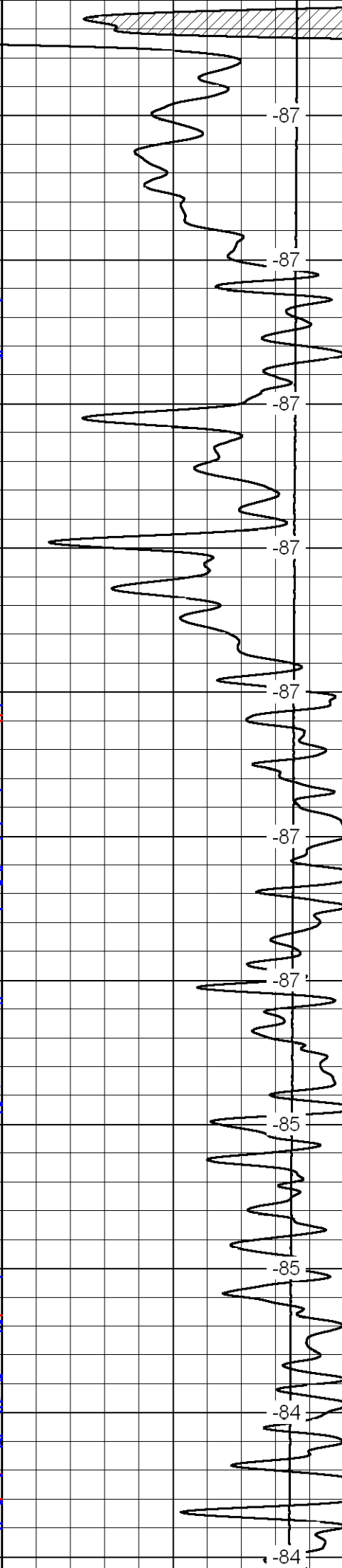
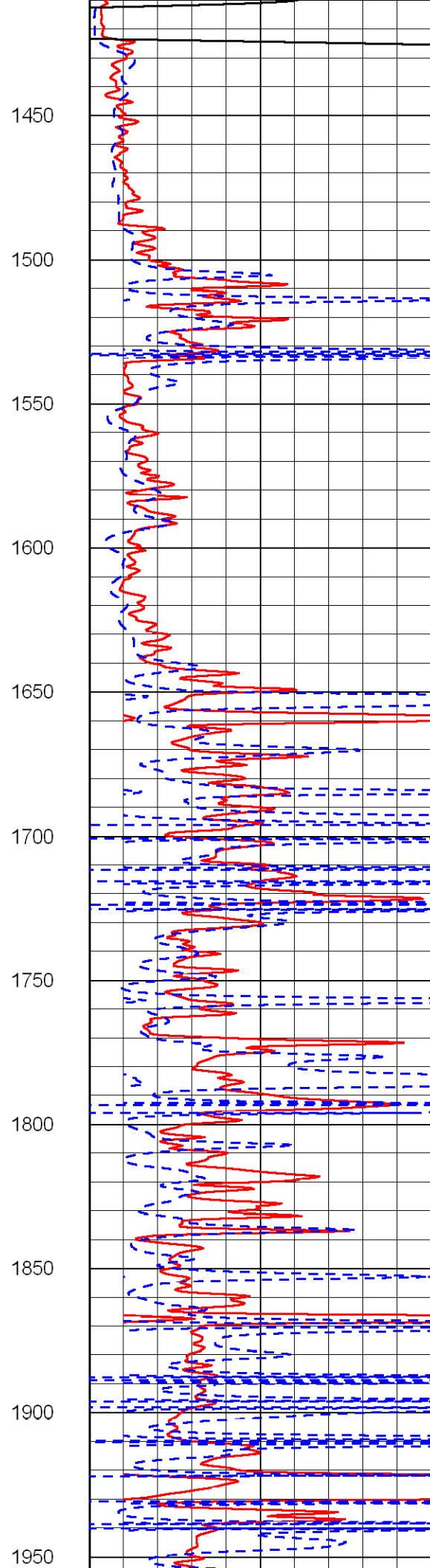
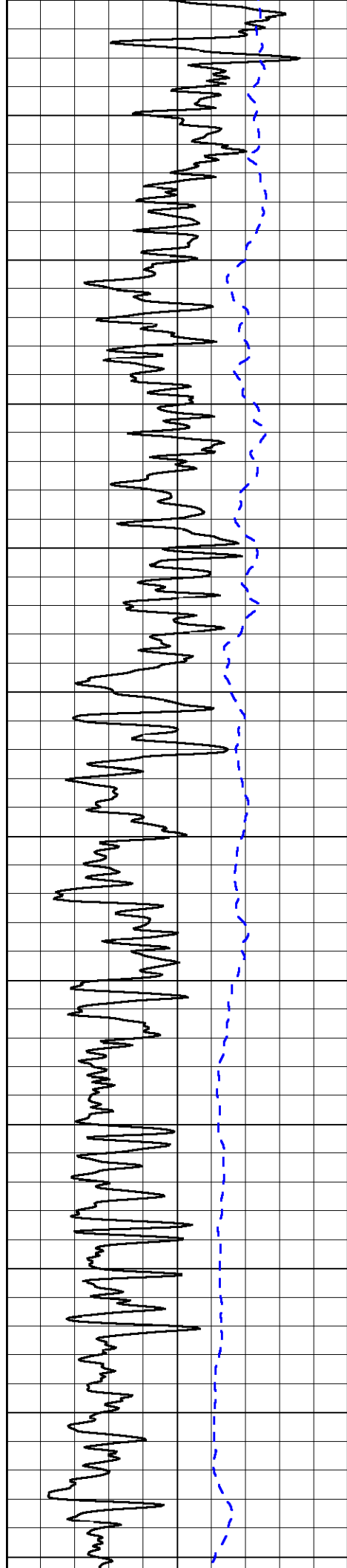
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-200	SP	0

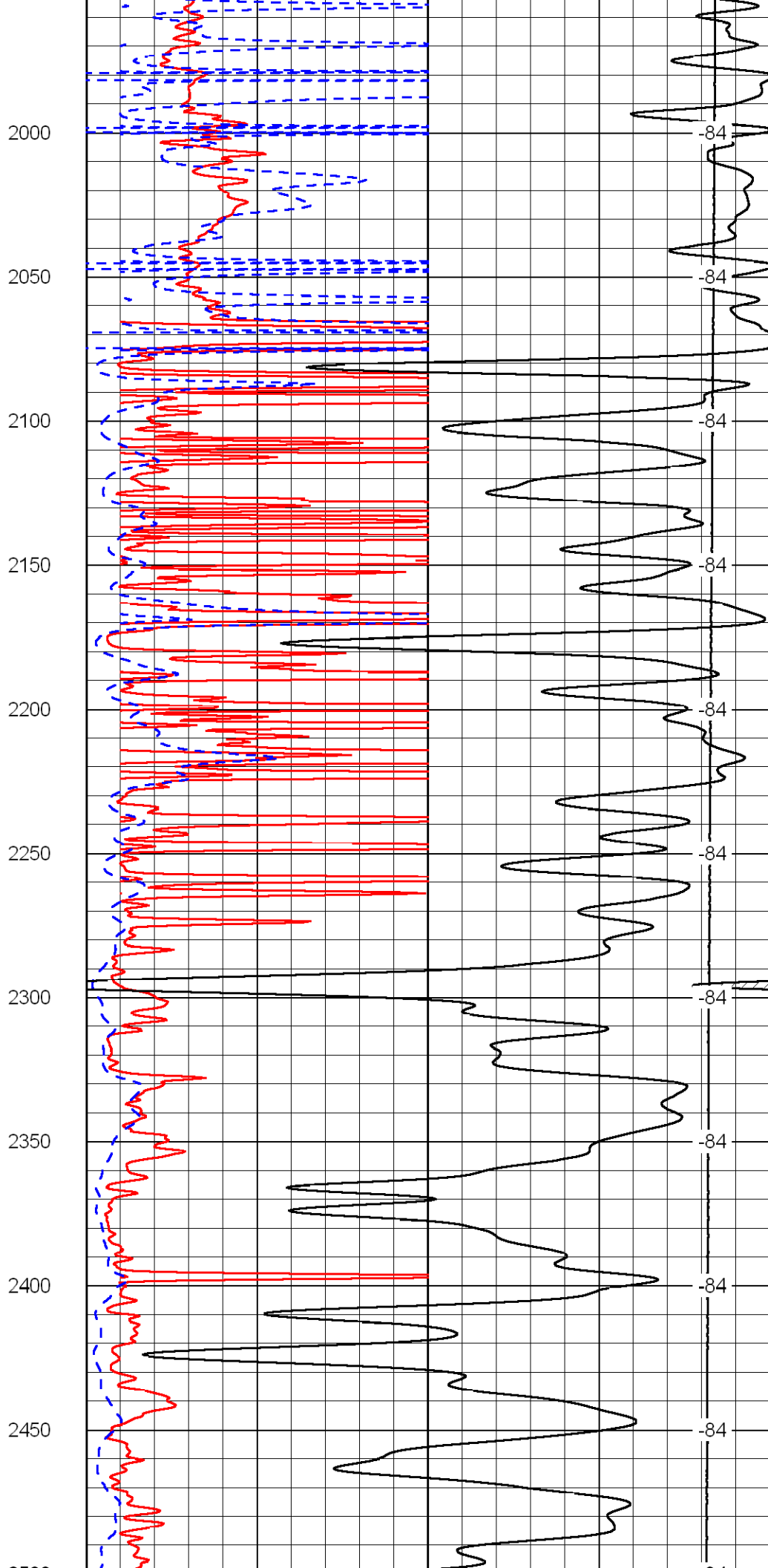
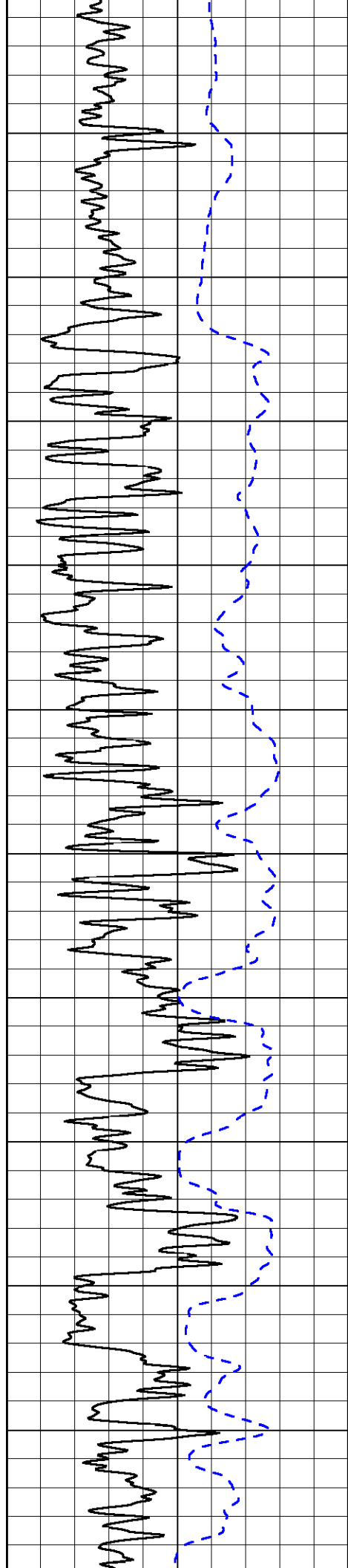
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15000	Line Tension	0
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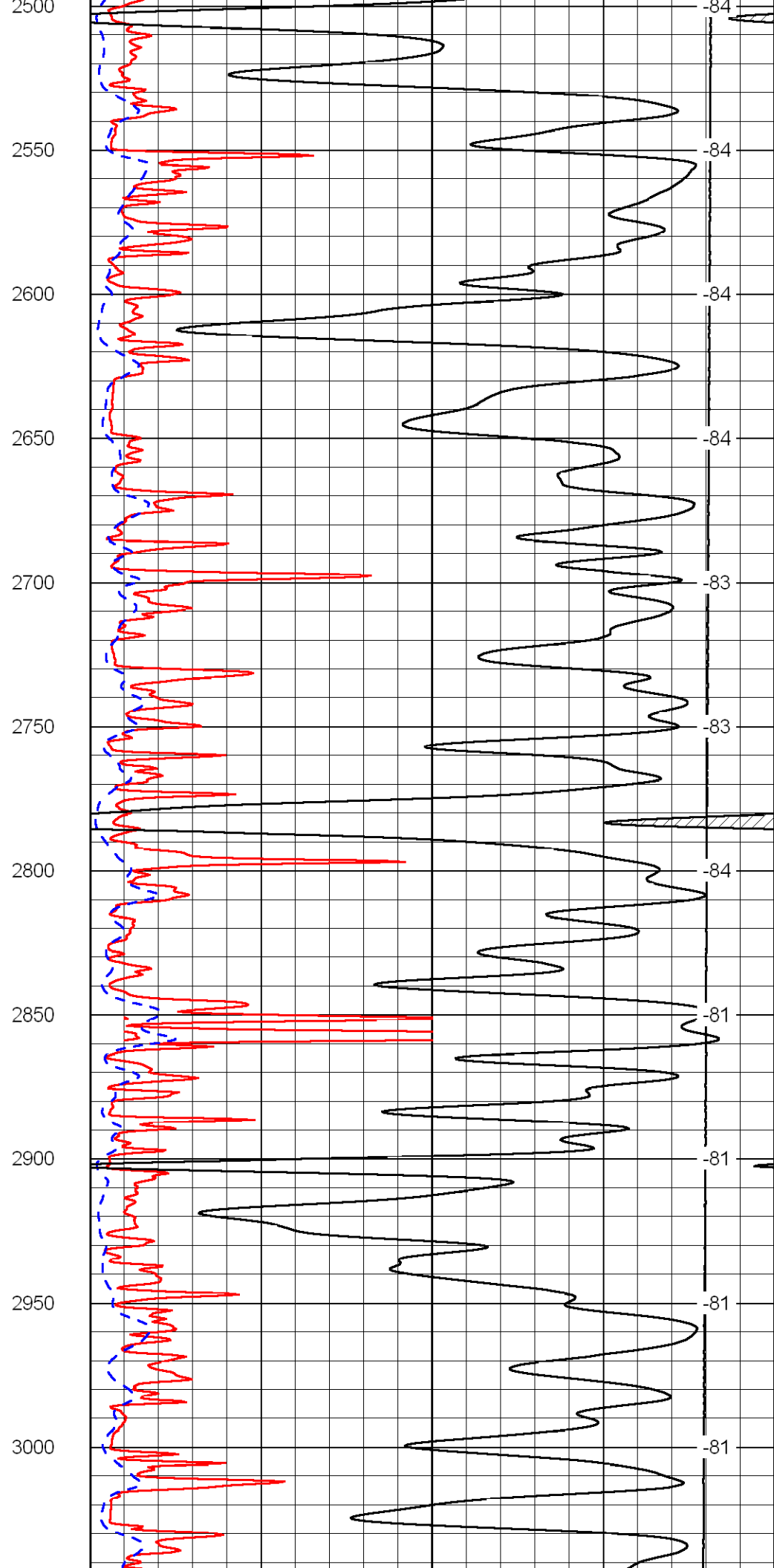
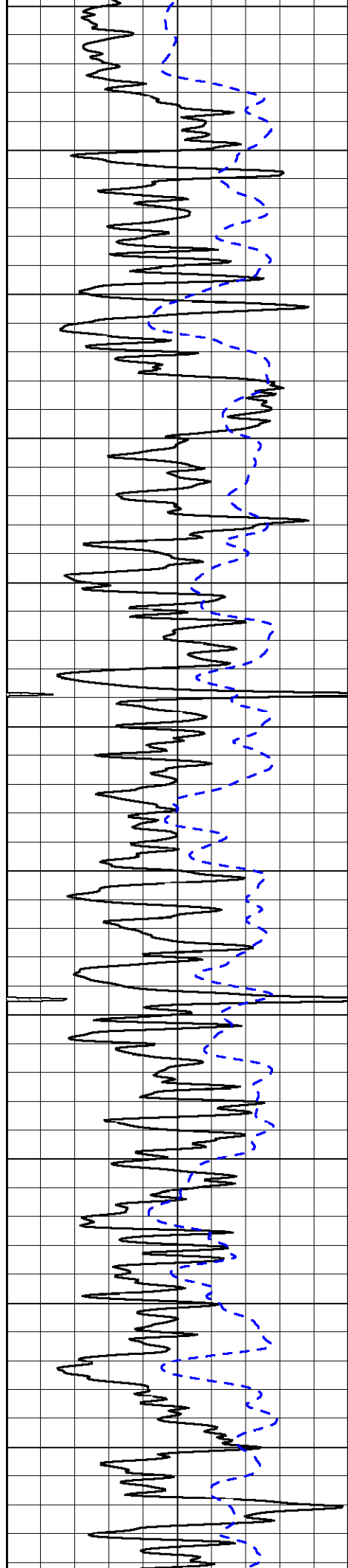
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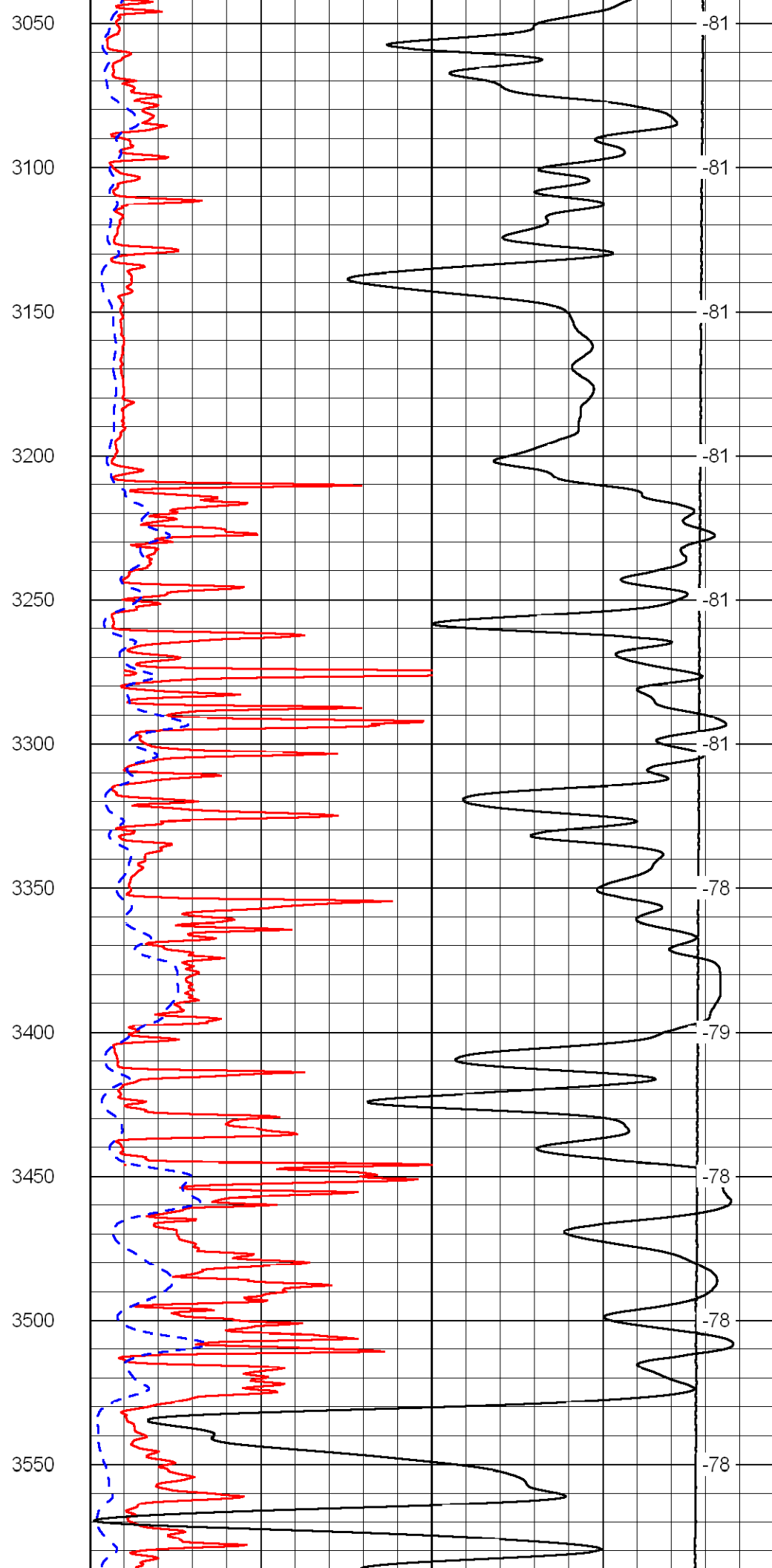
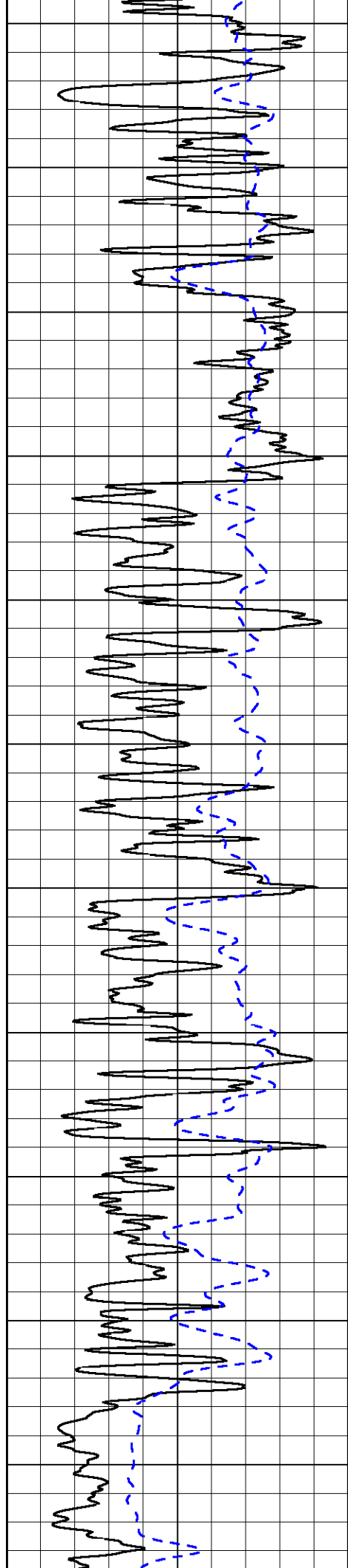


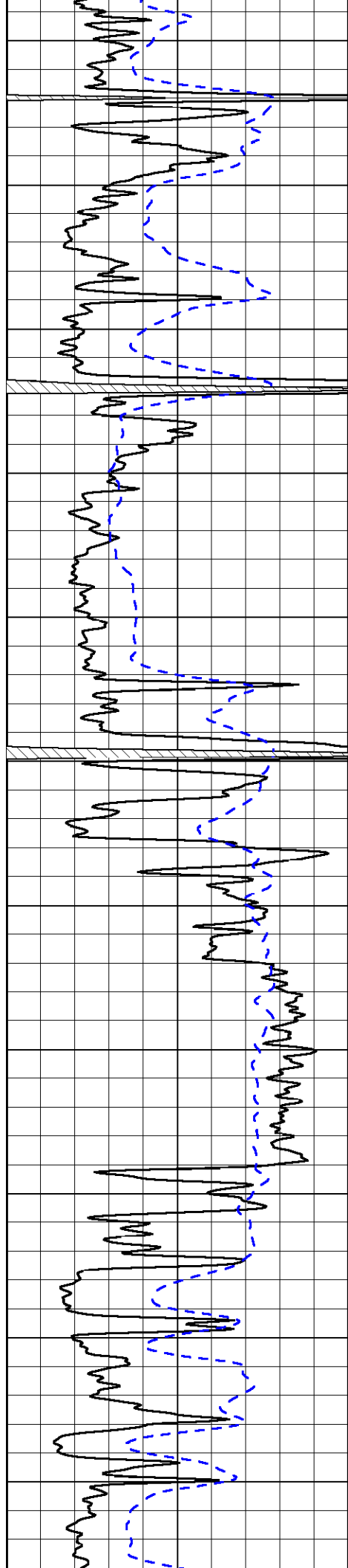












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3650

3700

3750

3800

3850

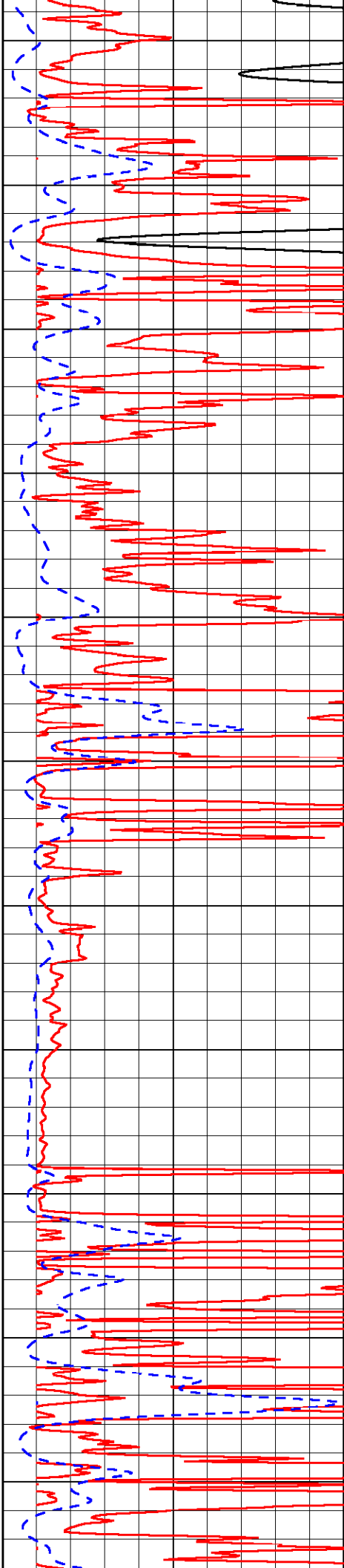
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4050

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-78

-78

-78

-32

-30

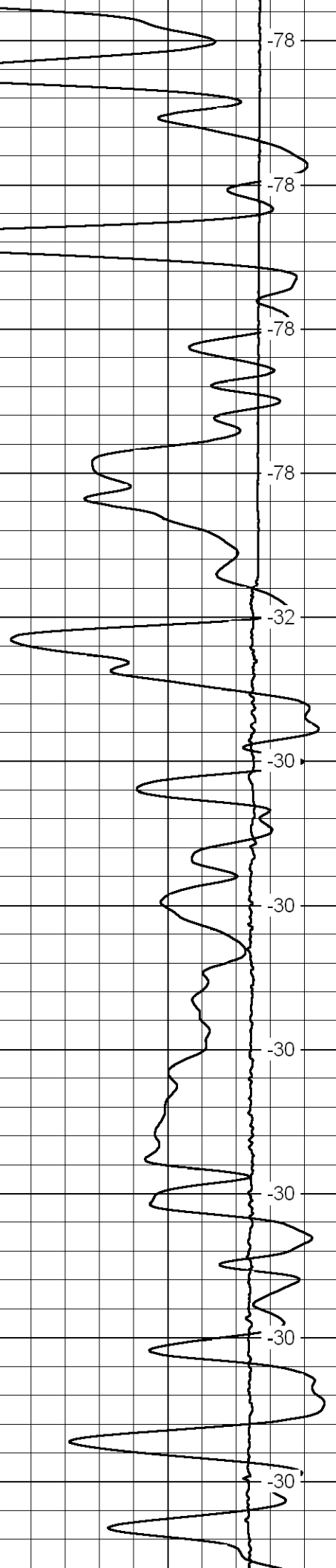
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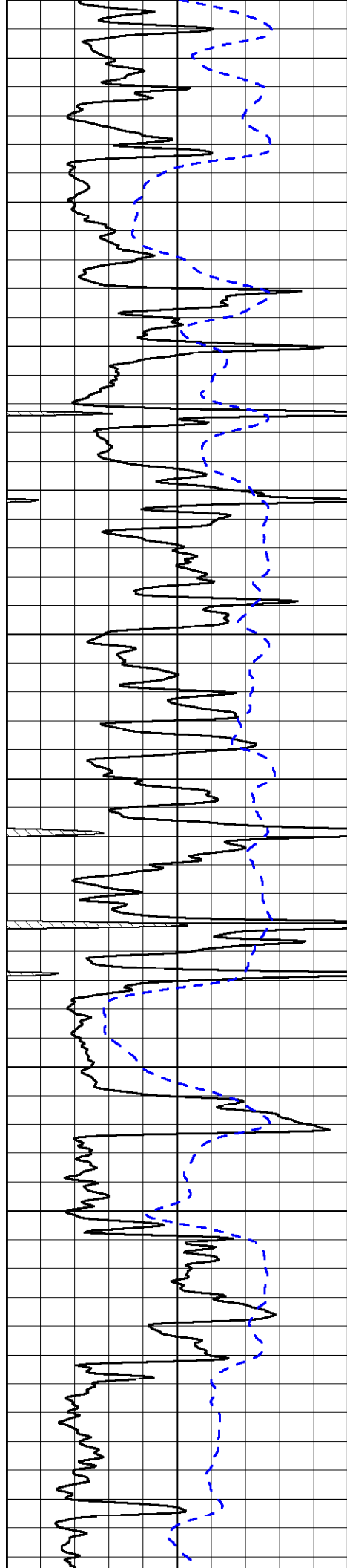
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4150

4200

4250

4300

4350

4400

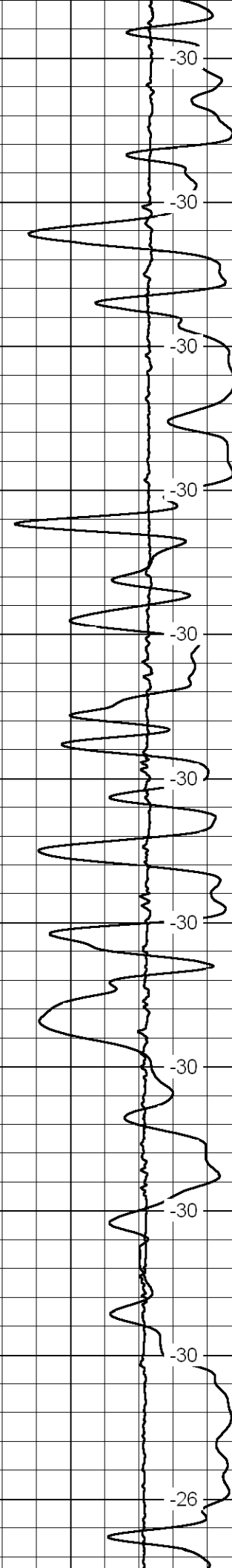
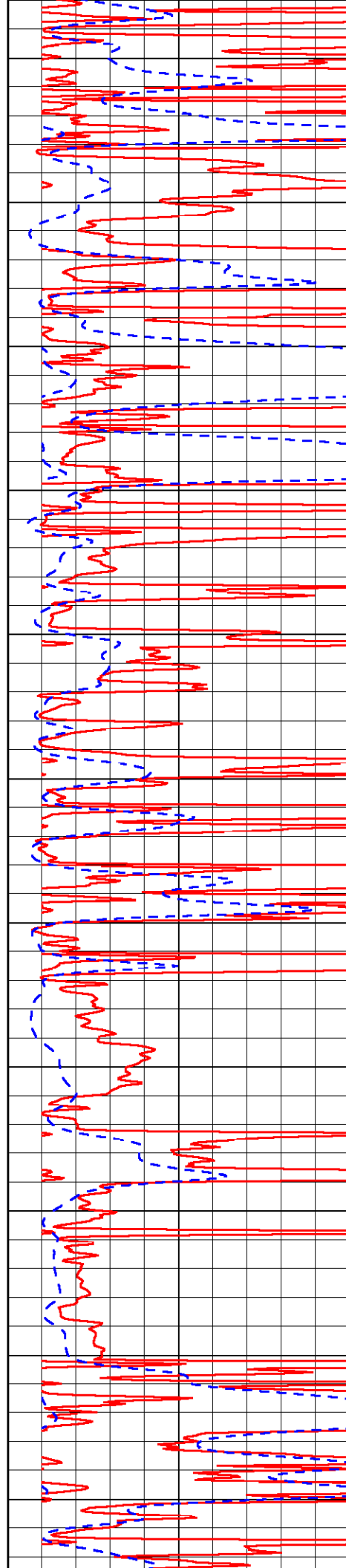
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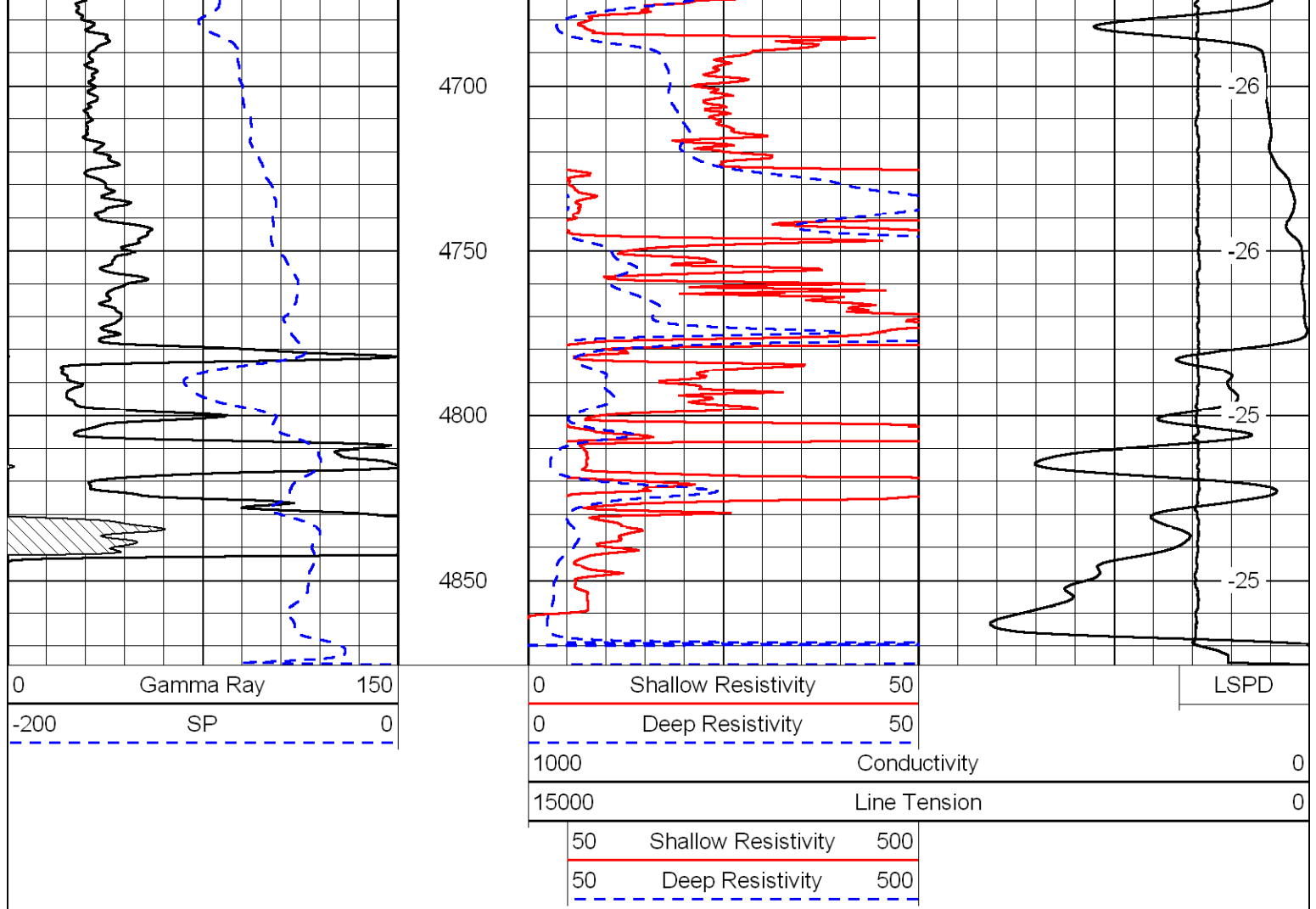
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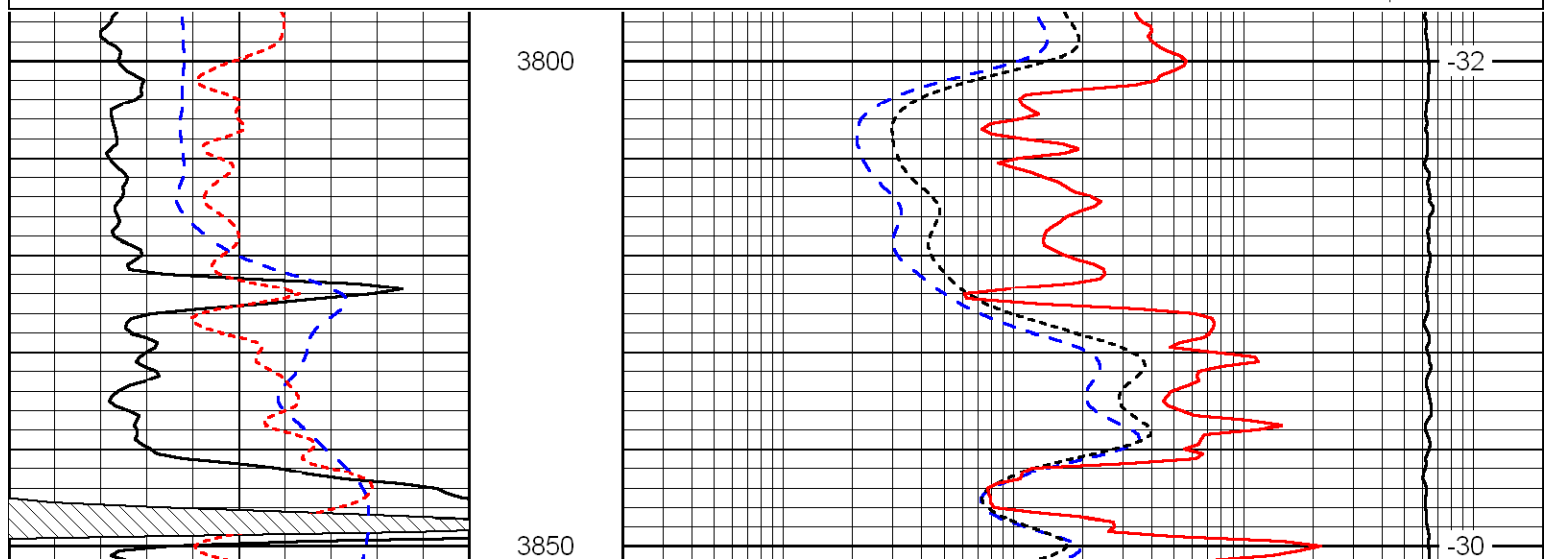
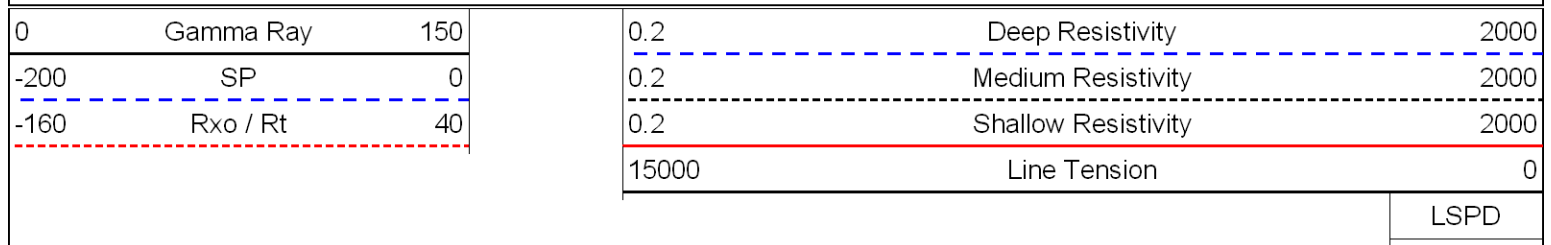
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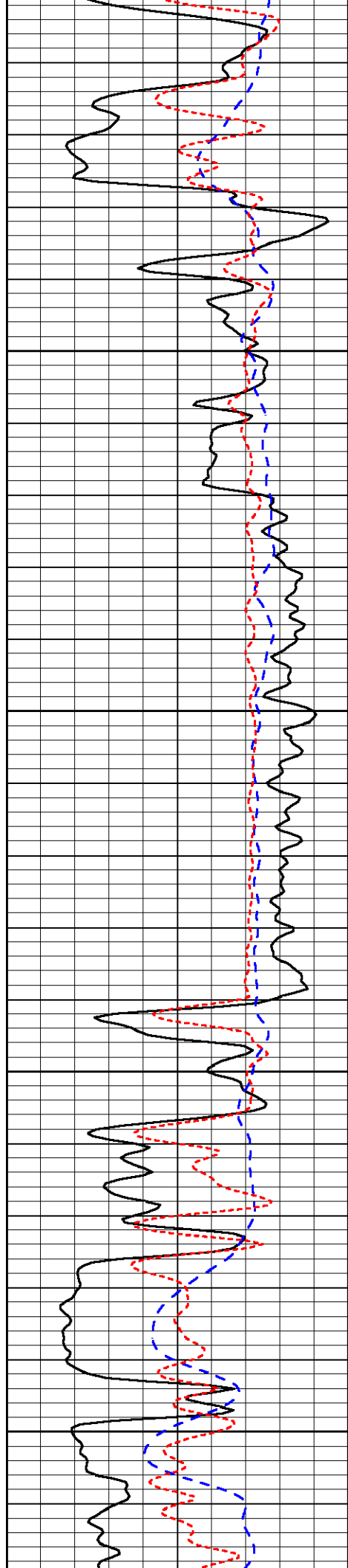
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Database File: c:\warrior\data\gw energy_welsch no.1-20\gwenergyhd.db
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Presentation Format: dil
Dataset Creation: Tue Dec 09 14:31:59 2008
Charted by: Depth in Feet scaled 1:240



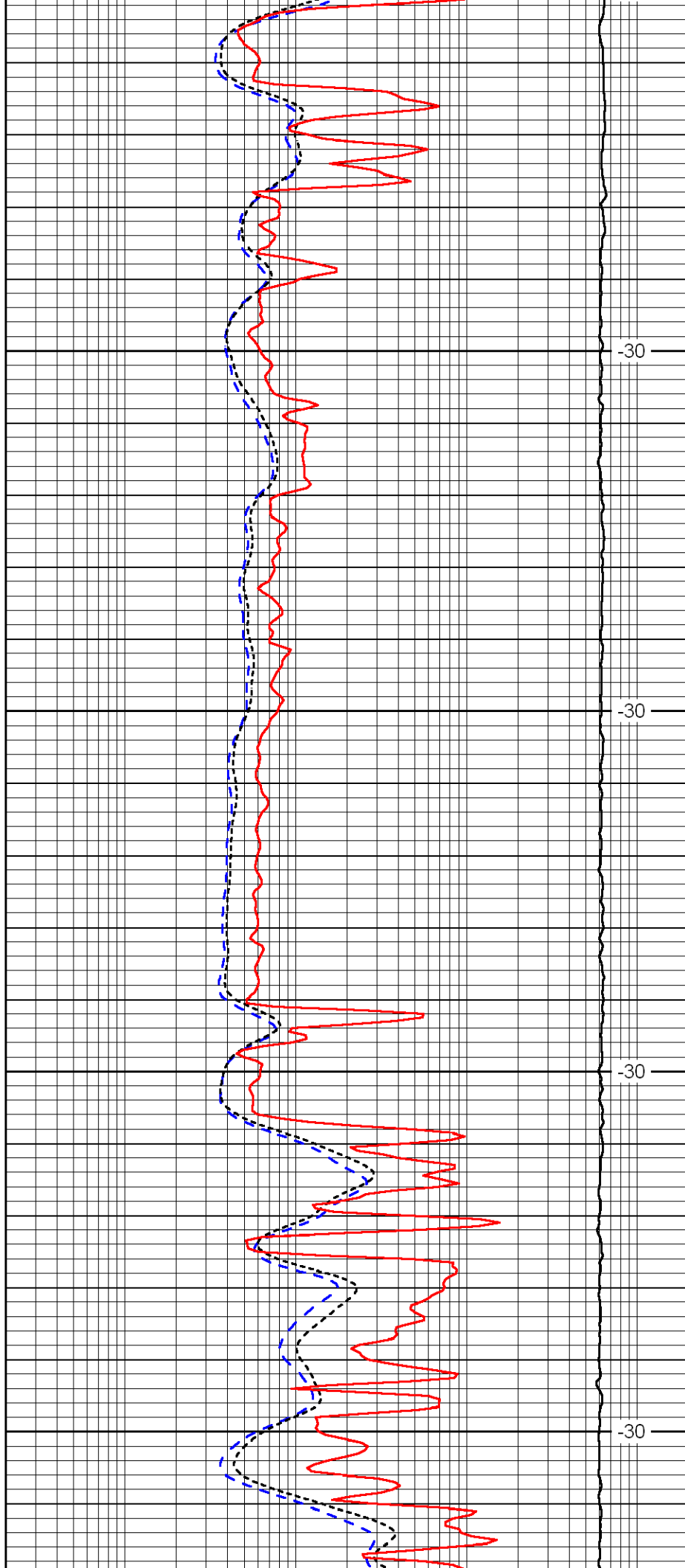


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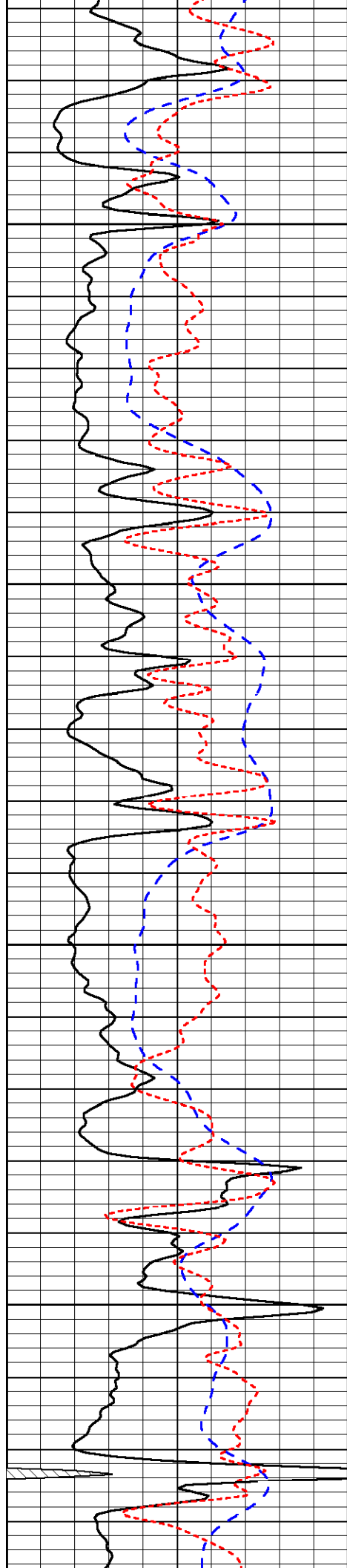


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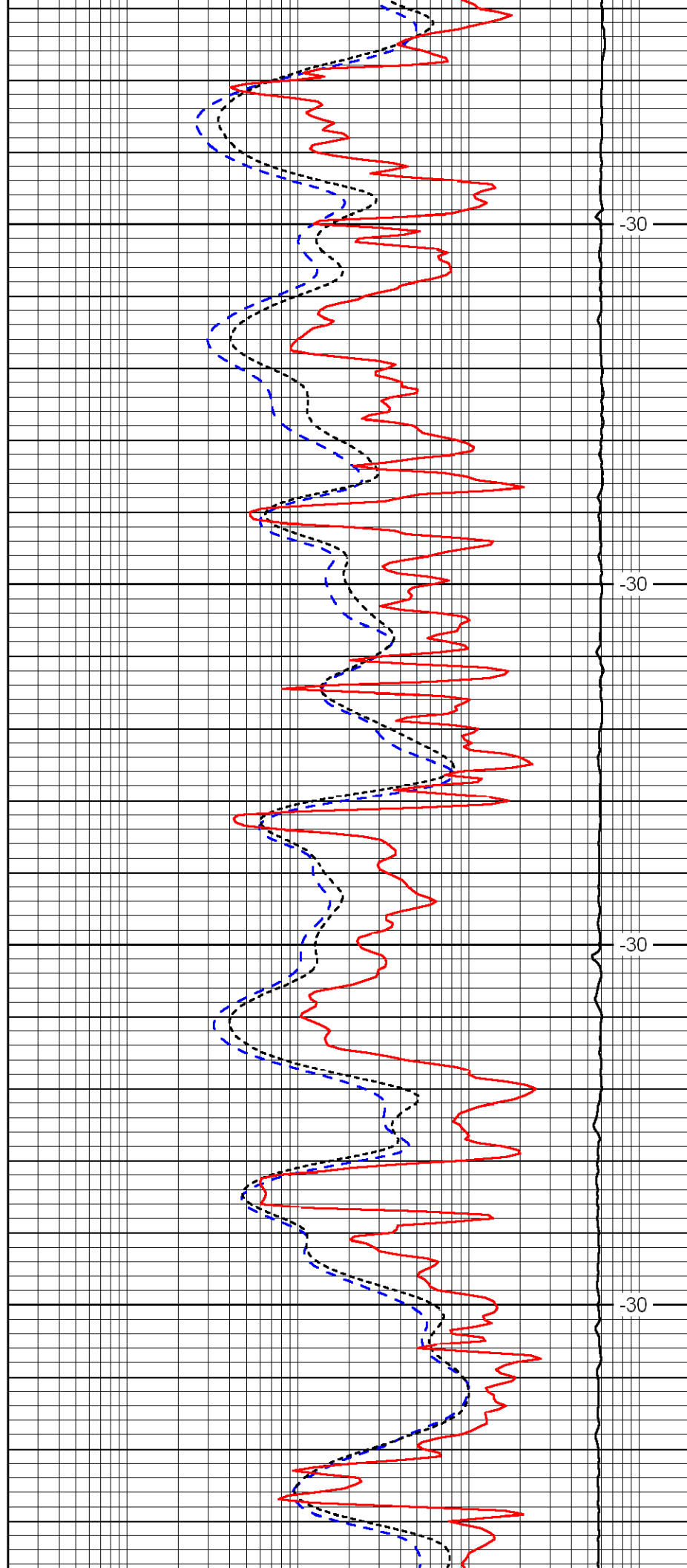


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4150

4200

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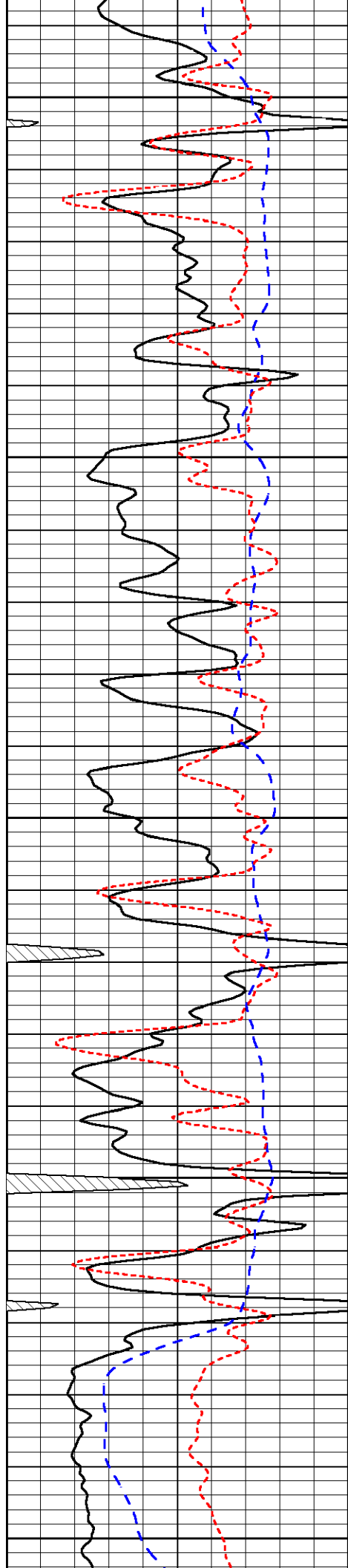


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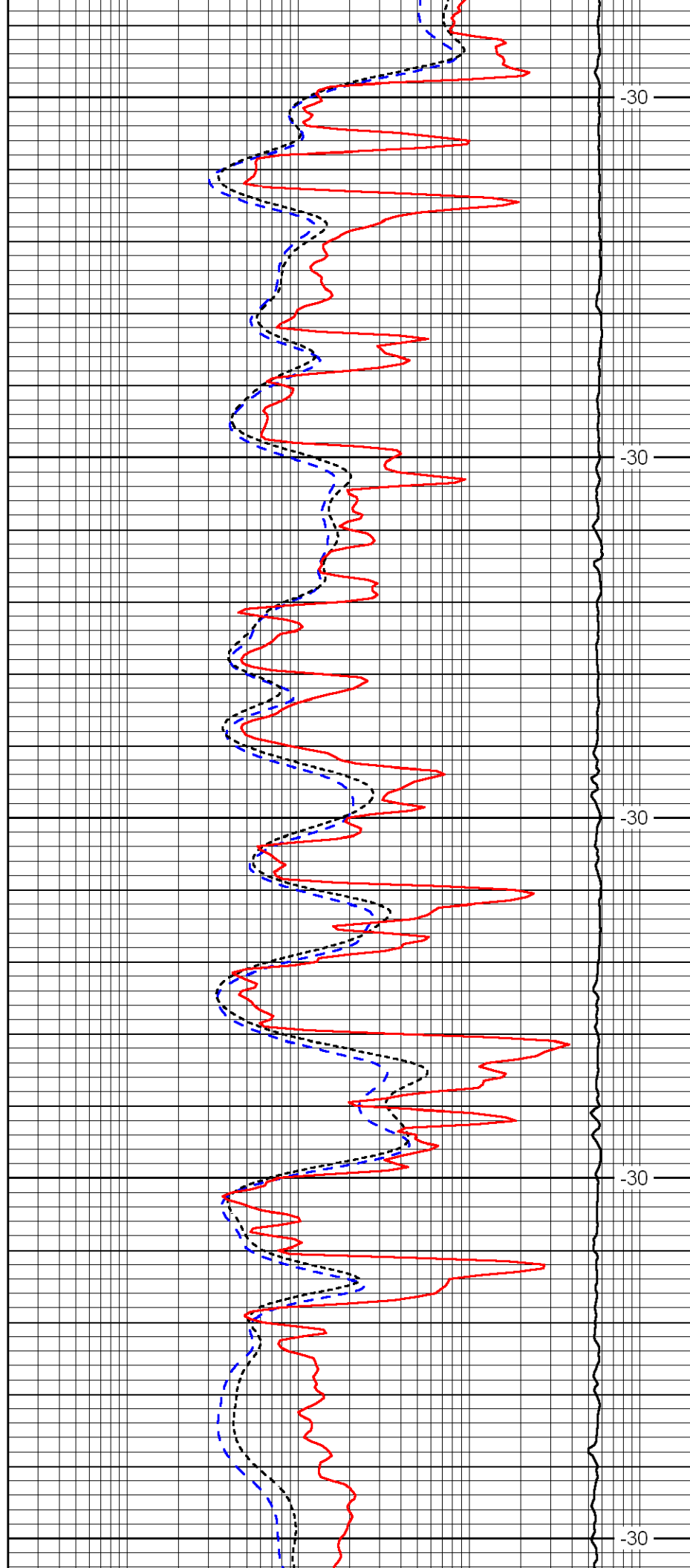
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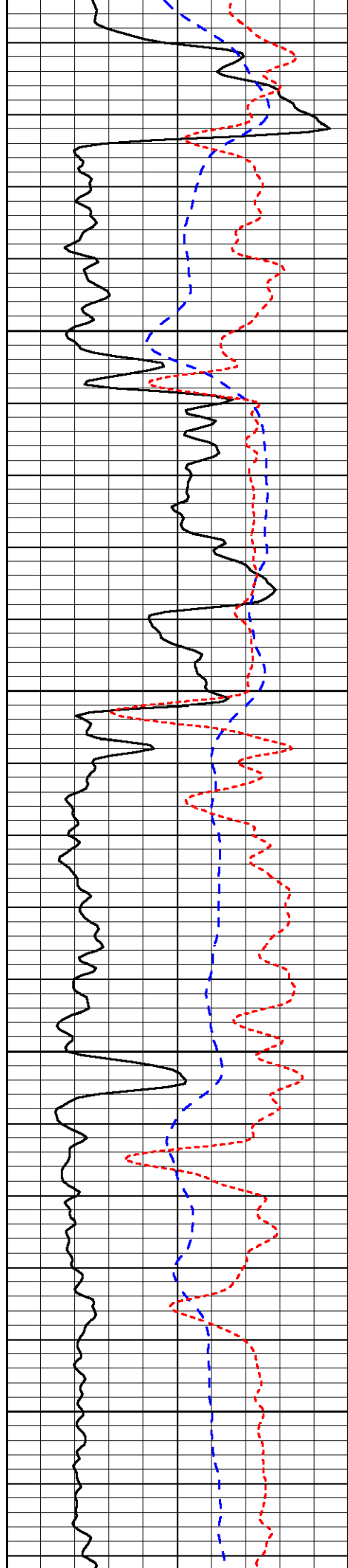
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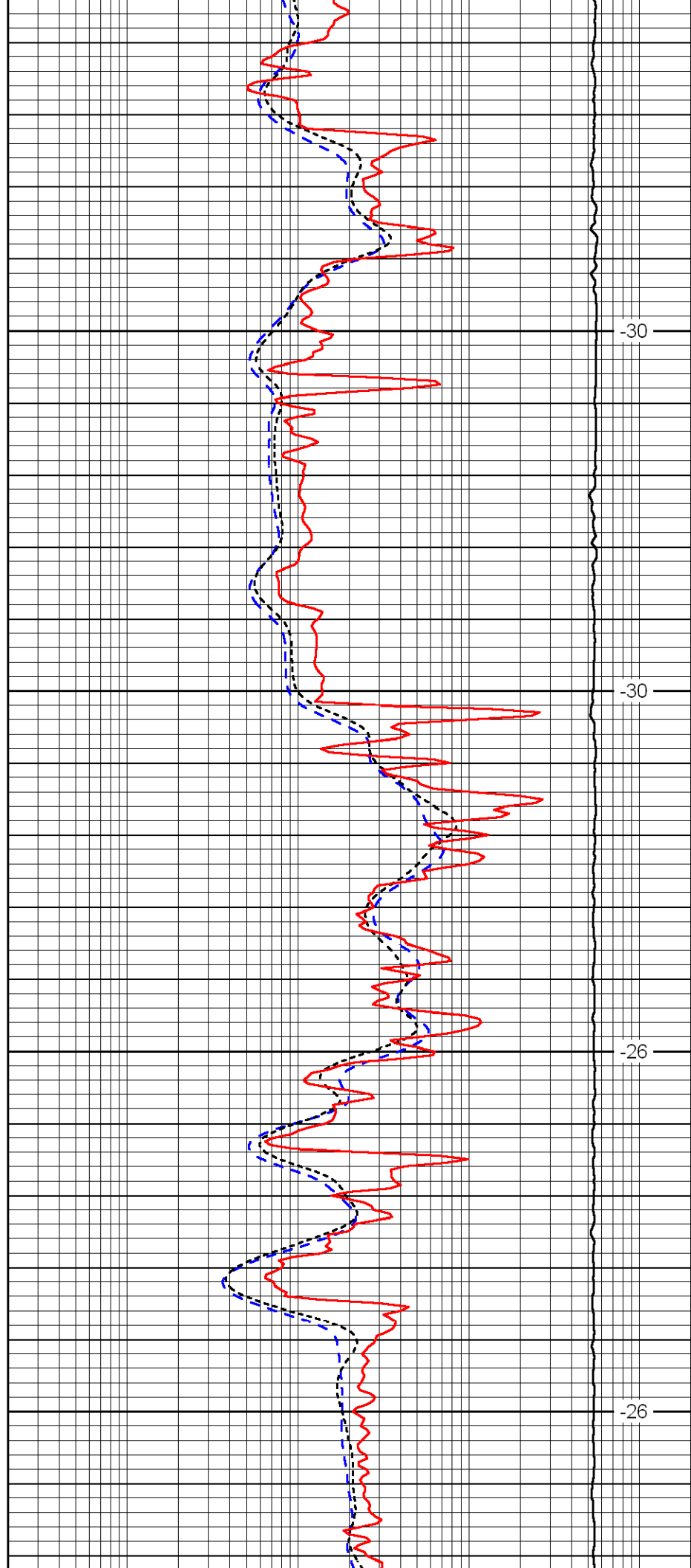


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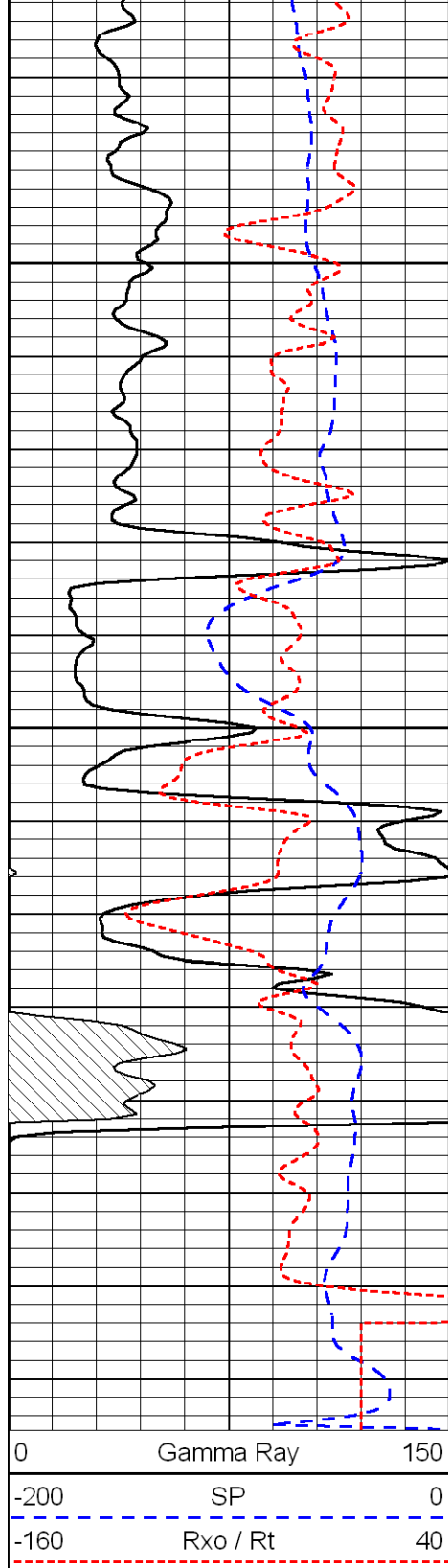


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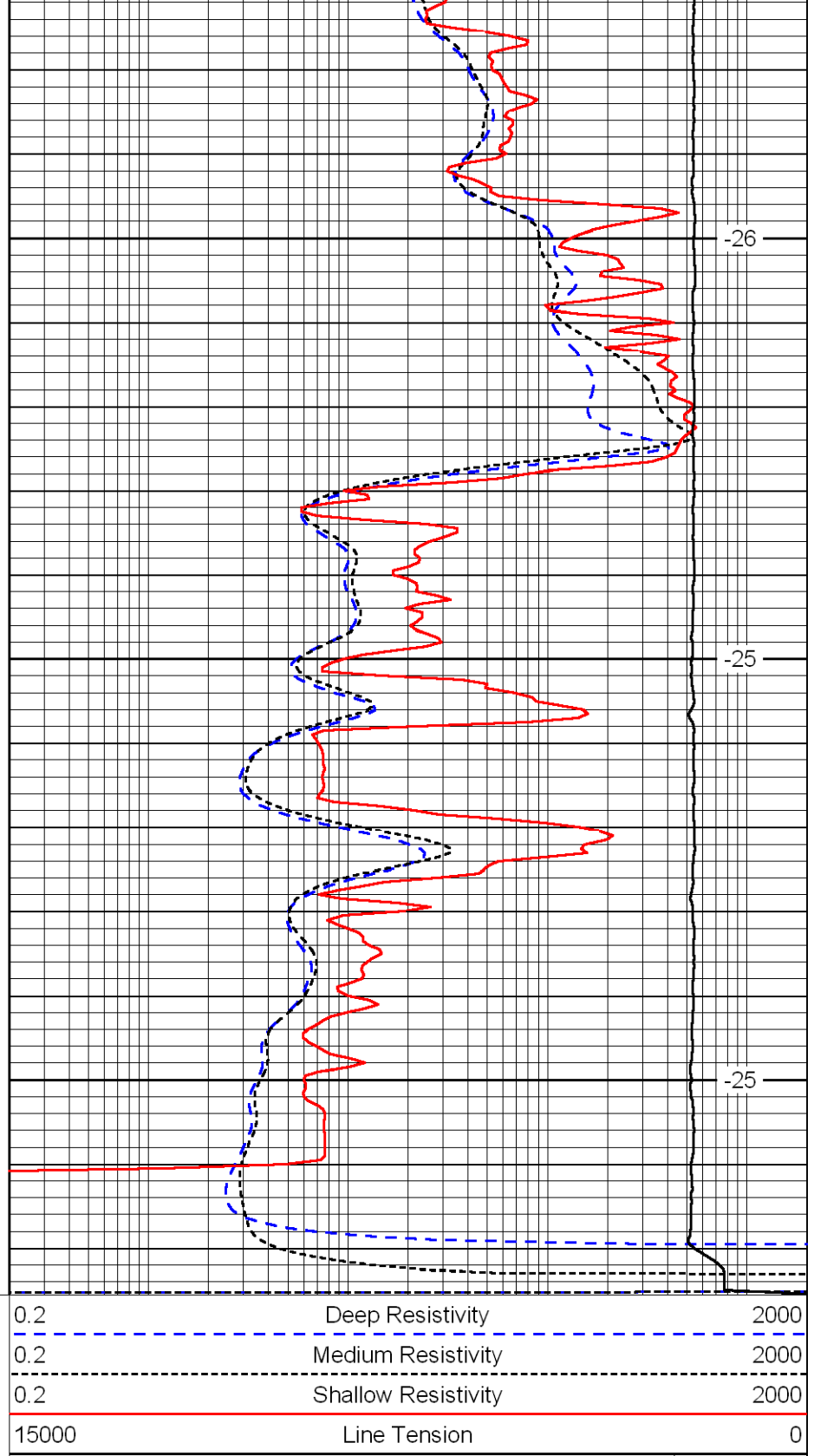
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LSPD