



Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No.

15-101-22,277-00-00

Company Larson Engineering, Inc.

Well Ehmke No. 1-19

Field

County Lane

State

Kansas

Location

1,520' FNL & 1,036' FWL

Sec: 19 Twp: 17 S Rge: 29 W

Permanent Datum Ground Level Elevation 2830
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation

K.B. 2840

D.F. 2830

Other Services
CNL/CDL
MEL

Date 2/4/2011

Run Number One

Depth Driller 4630

Depth Logger 4629

Bottom Logged Interval 4628

Top Log Interval 250

Casing Driller 8.625 @ 268

Casing Logger 264

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 1000

Density / Viscosity 9.4 61

pH / Fluid Loss 10.5 7.2

Source of Sample Flowline

Rm @ Meas. Temp 1.10 @ 51

Rmf @ Meas. Temp .83 @ 51

Rmc @ Meas. Temp 1.49 @ 51

Source of Rmf / Rmc Charts

Rm @ BHT .46 @ 122

Operating Rig Time 4 Hours

Max Rec. Temp. F 122

Equipment Number 10

Location Hays

Recorded By J Schuler

Witnessed By Bill Lewellyn

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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

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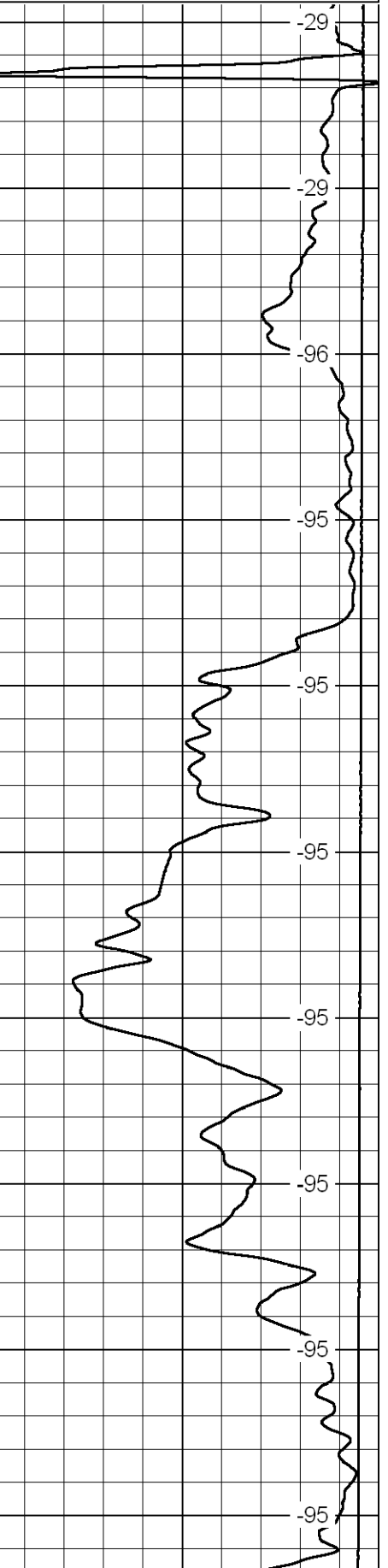
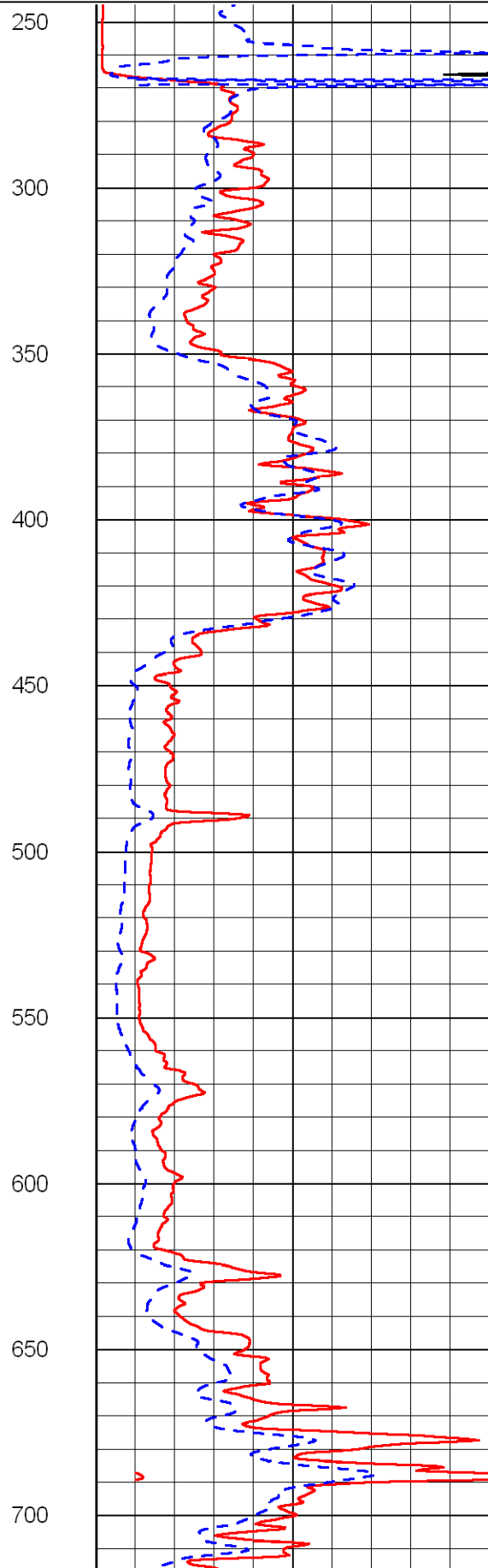
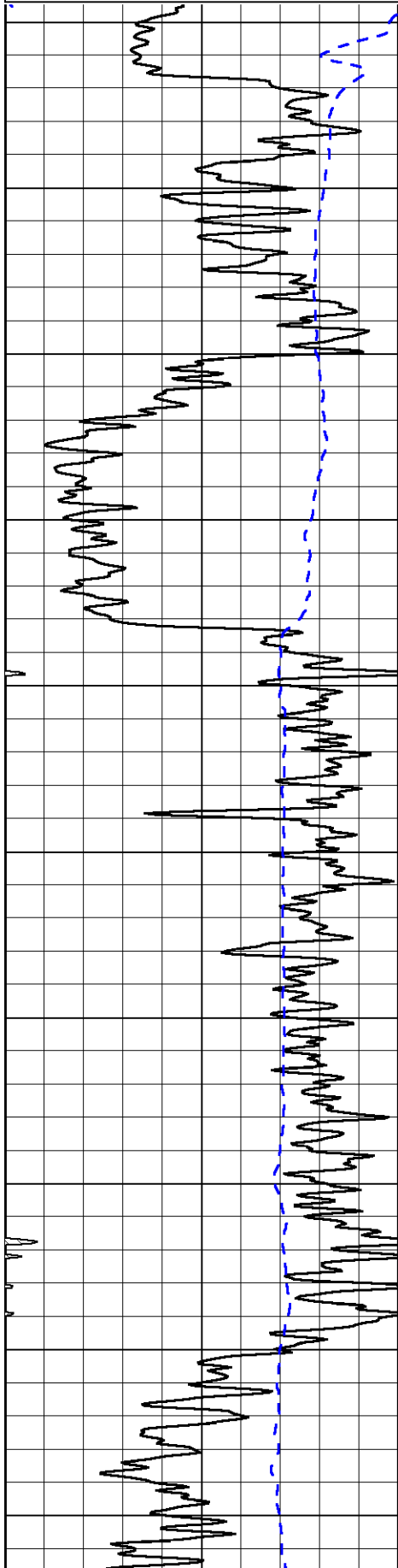
Dighton, Kansas, 5 North to 200 Road
West 6 to Frontier Road, North 3/4 East Into

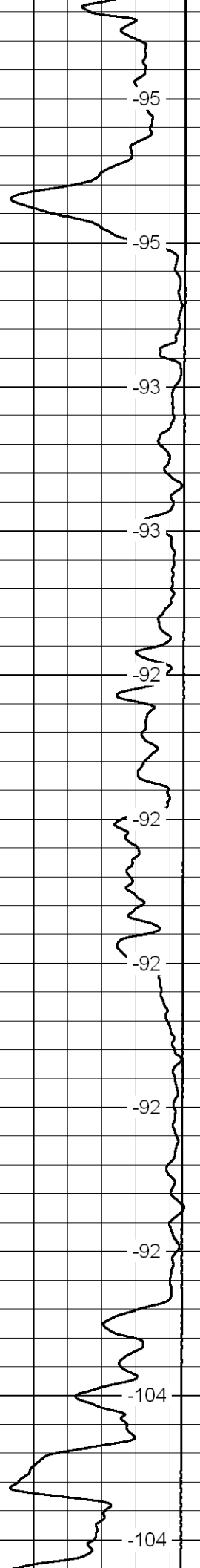
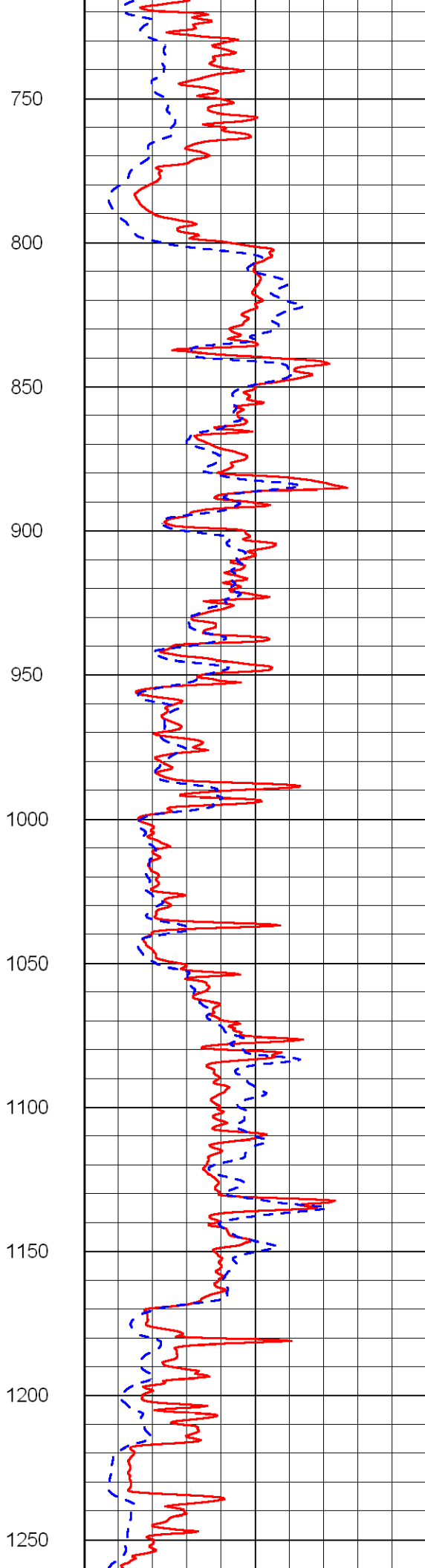
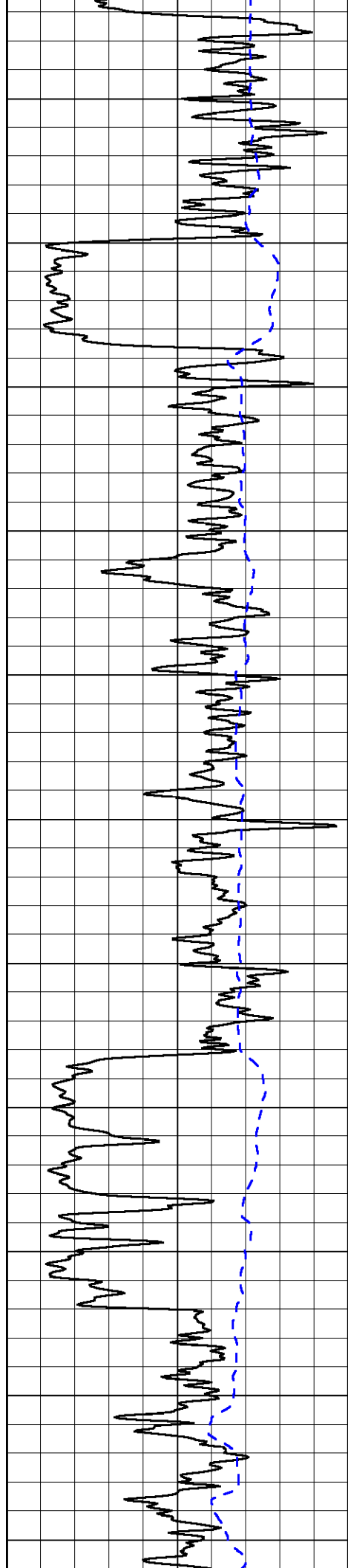
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Charted by: Depth in Feet scaled 1:600

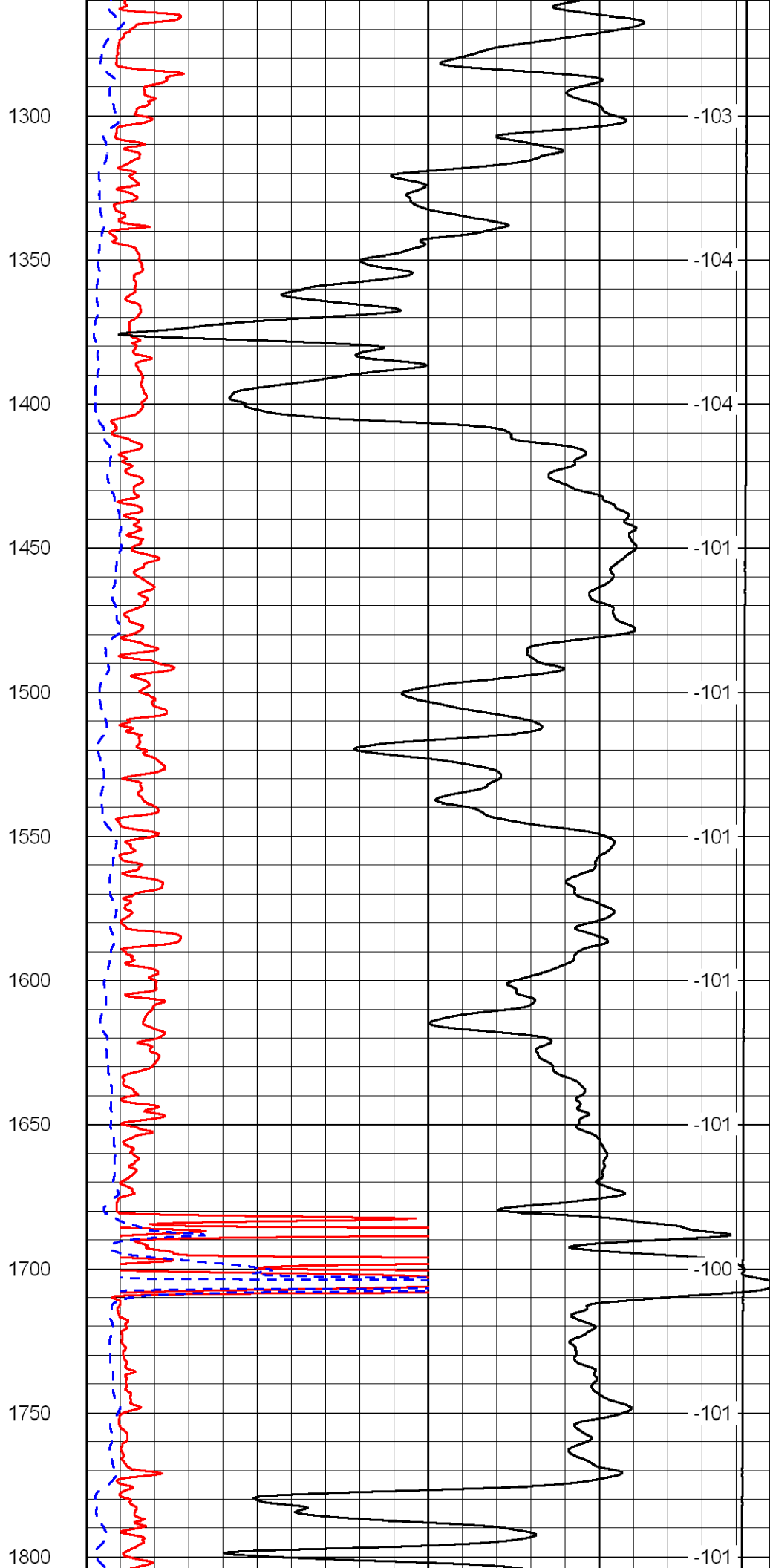
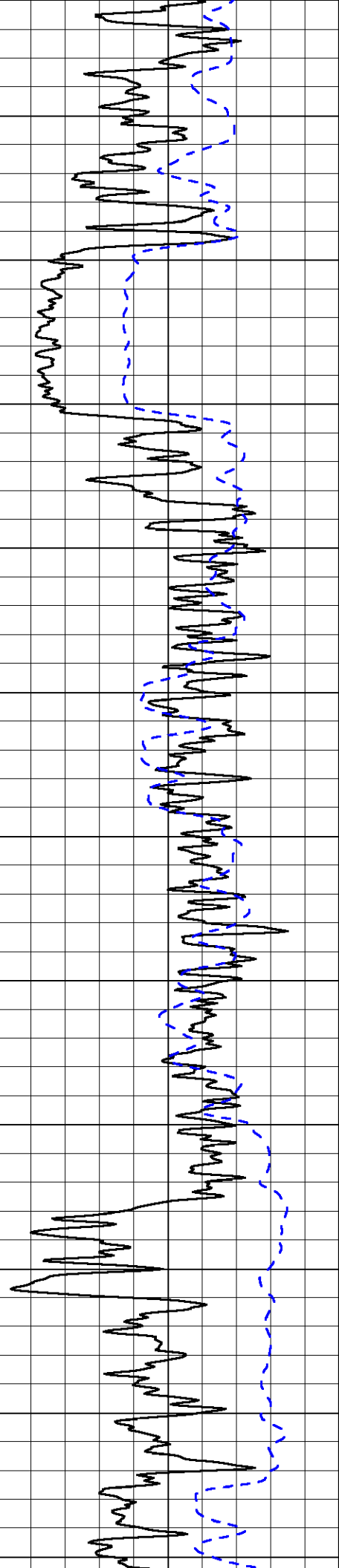
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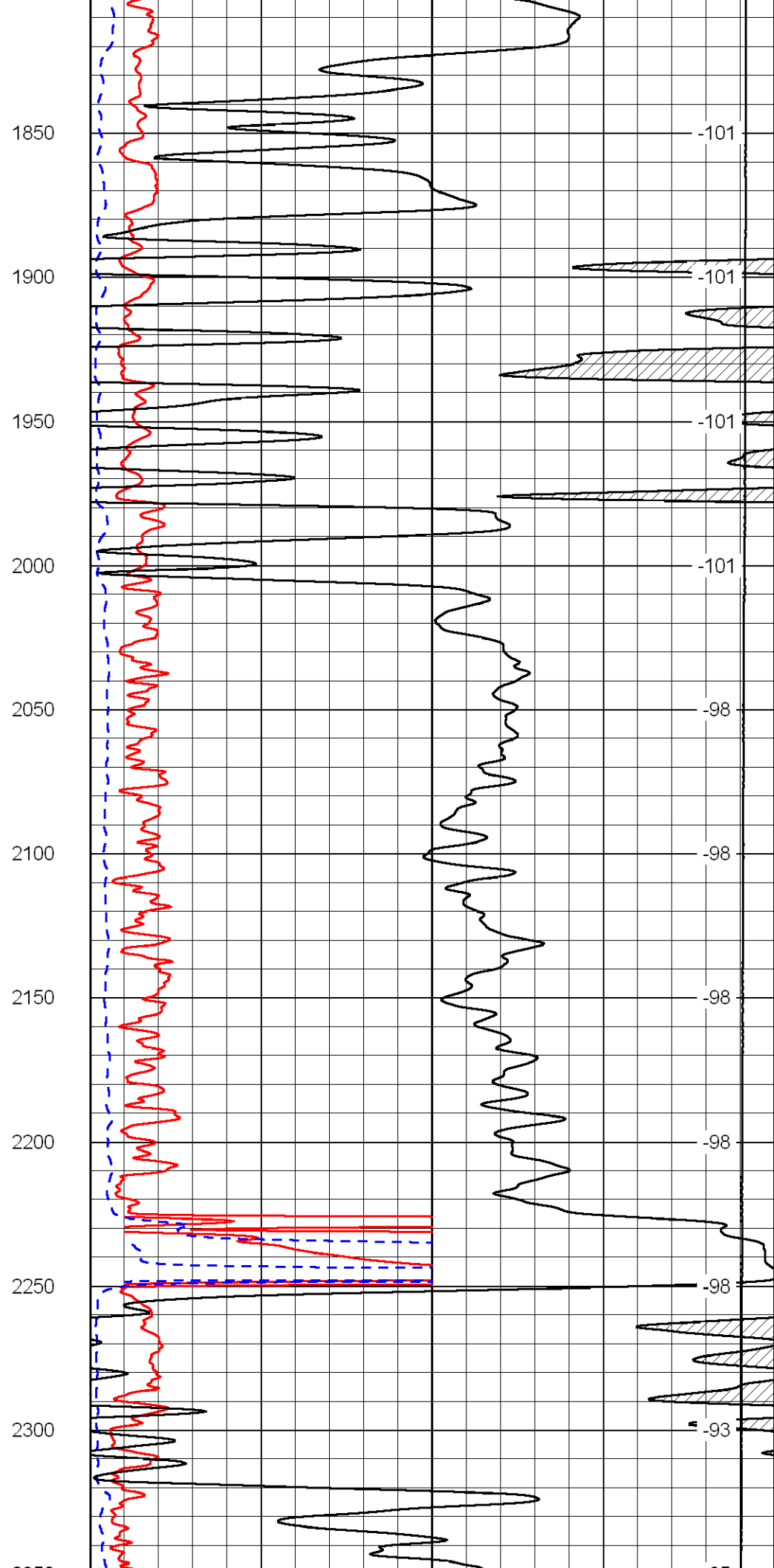
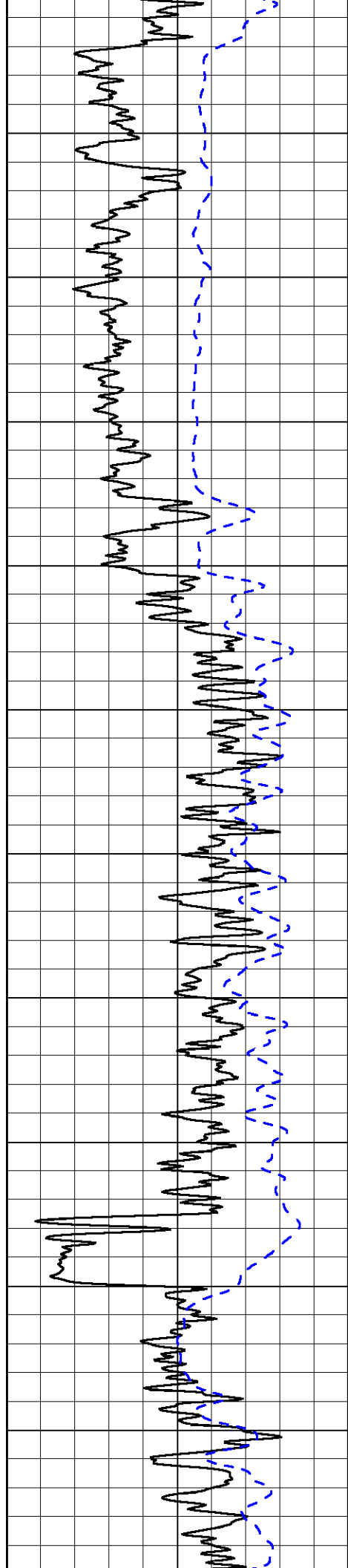
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15000	Line Tension	0
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50	Deep Resistivity	500

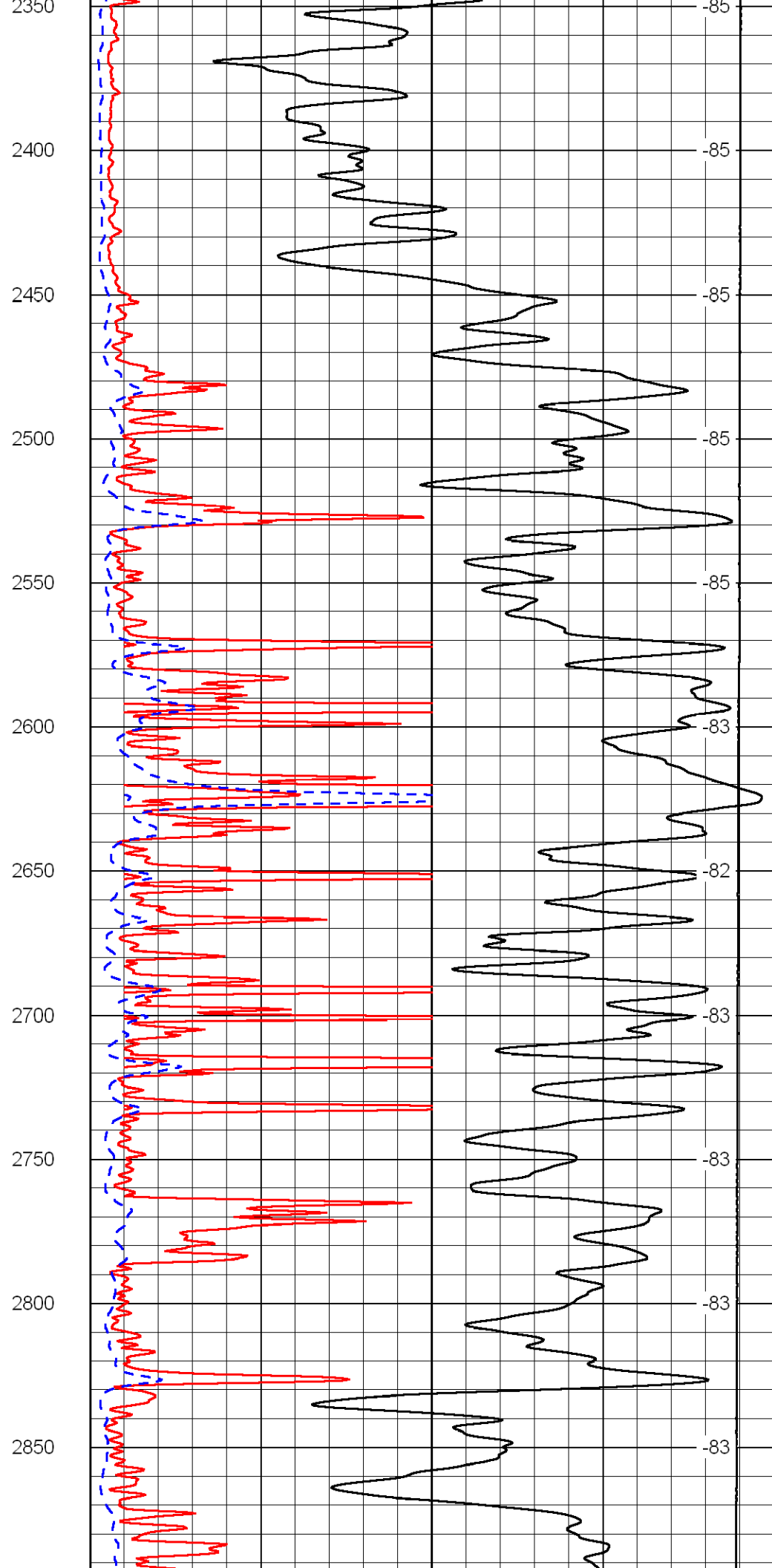
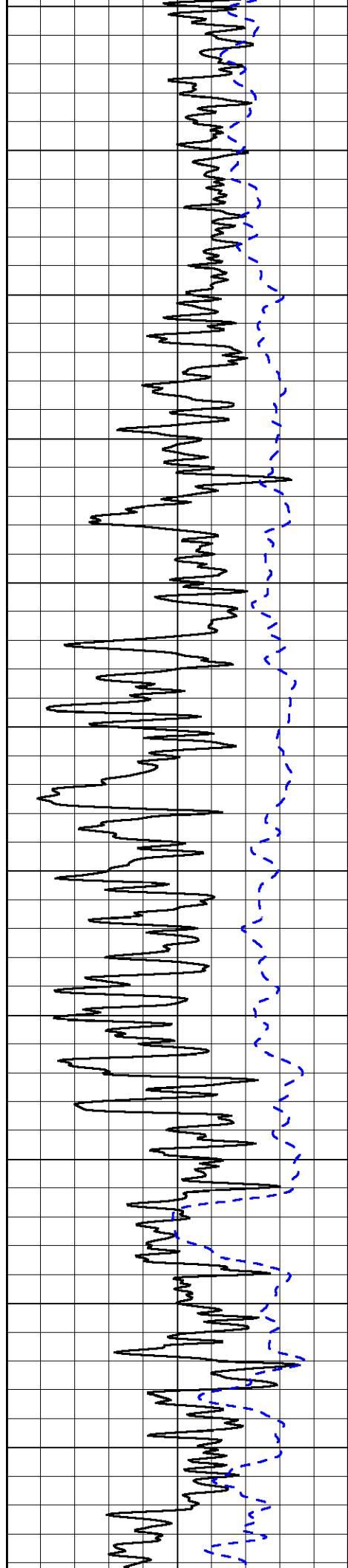
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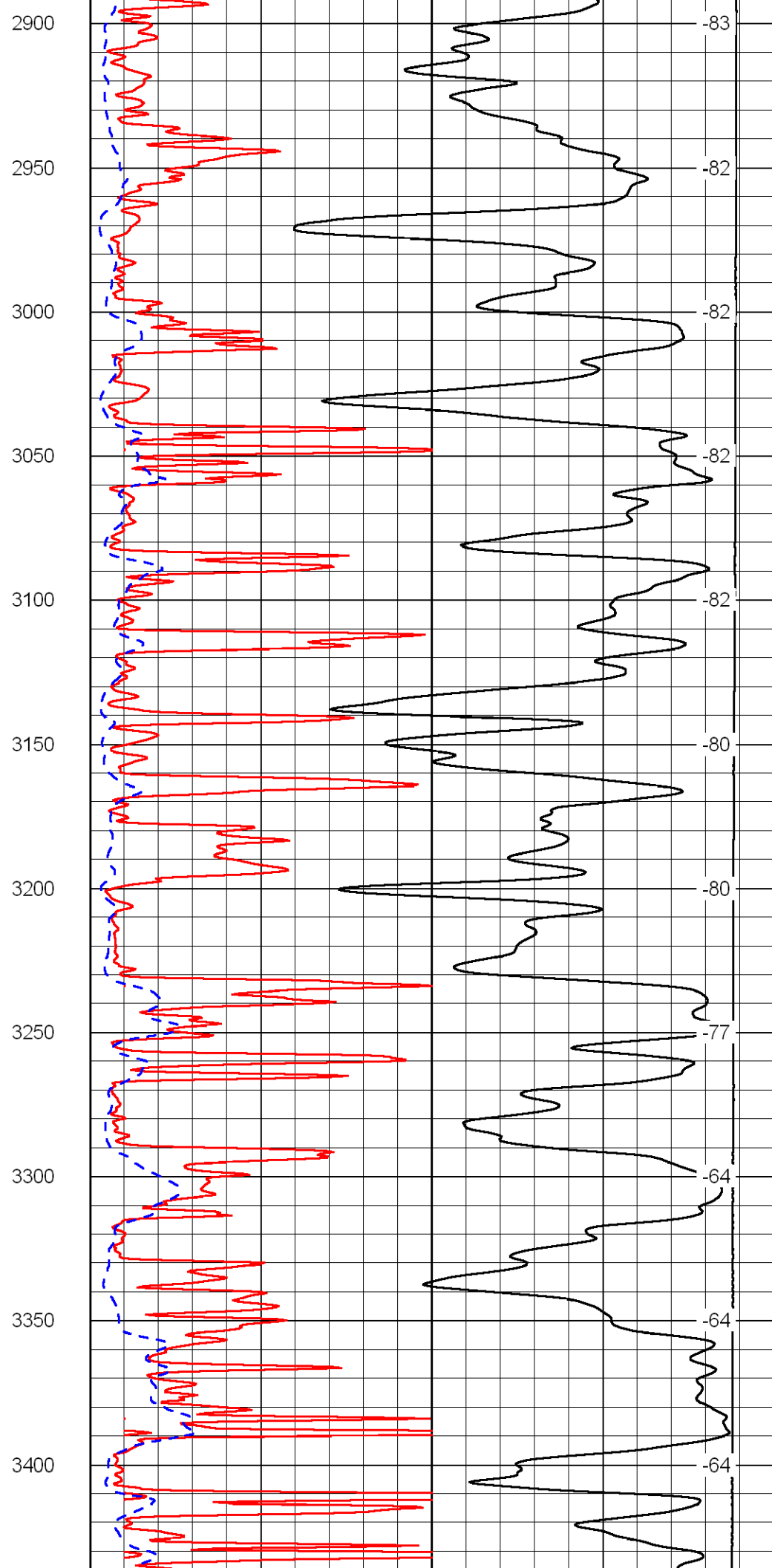
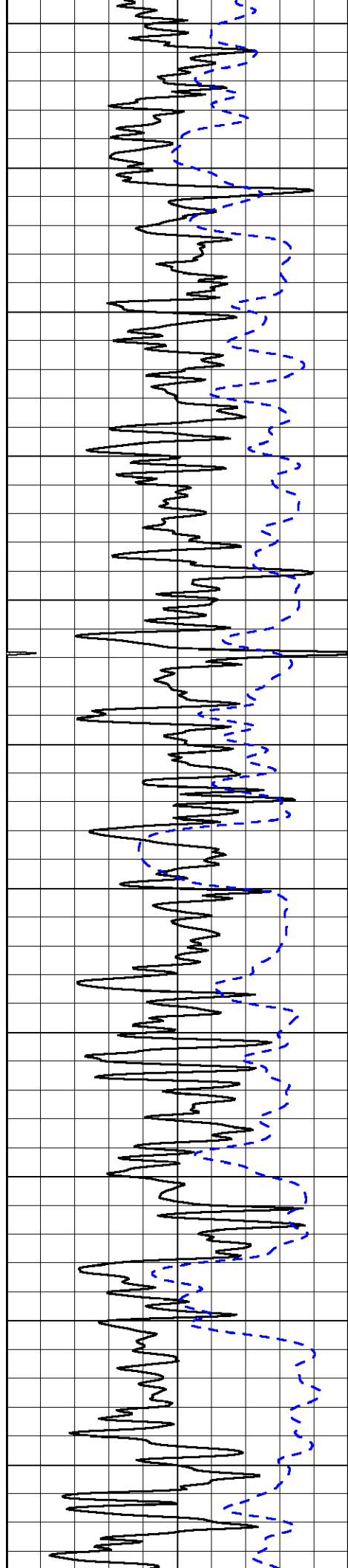


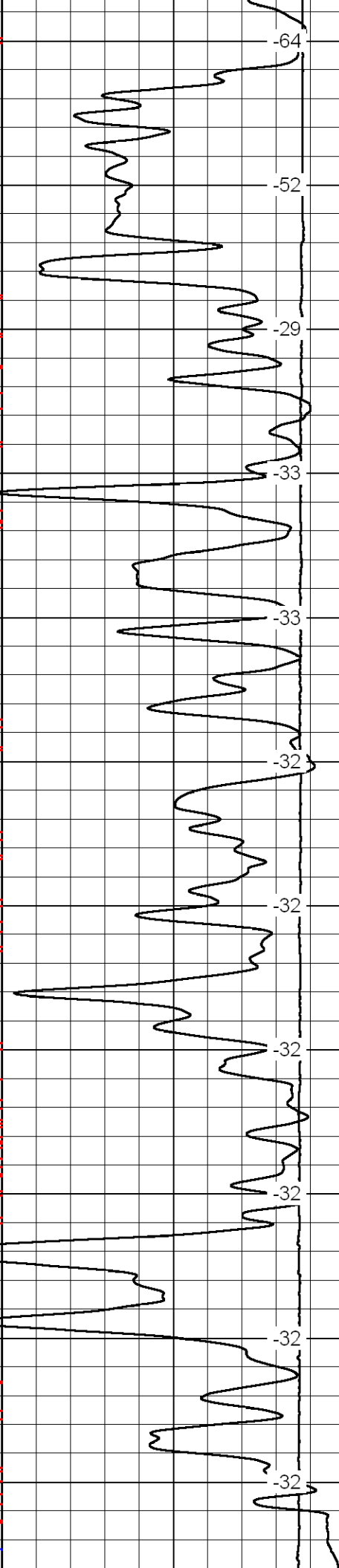
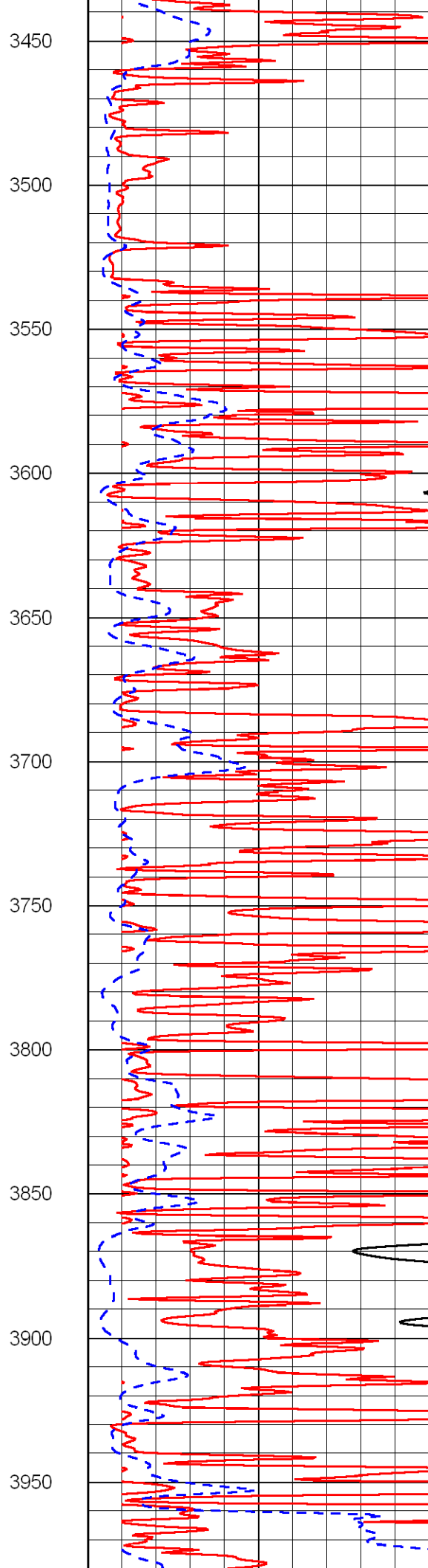
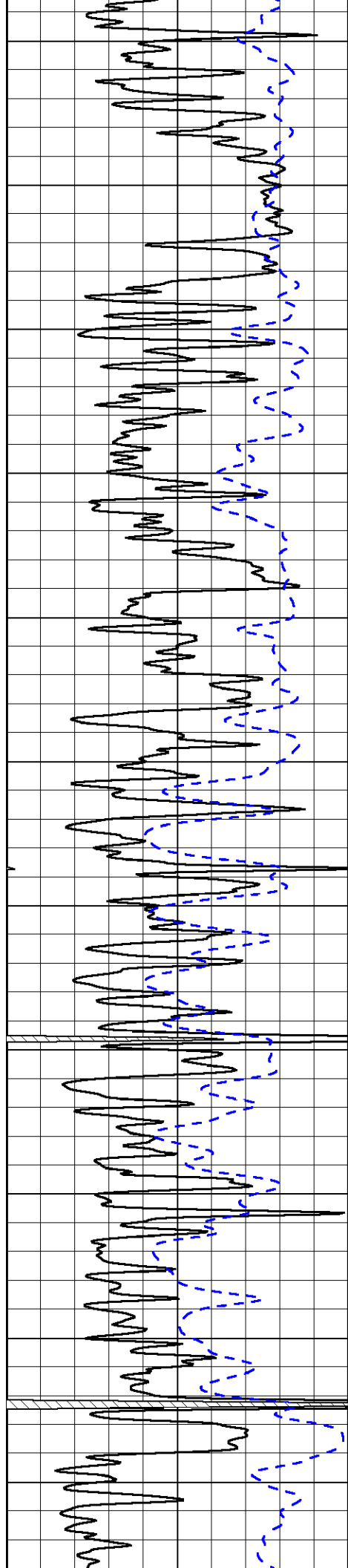


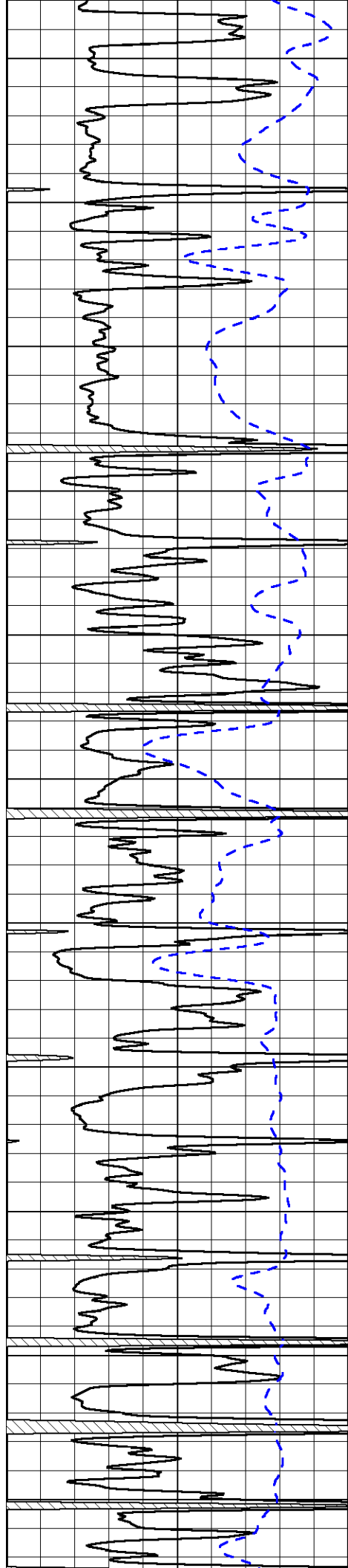












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4100

4150

4200

4250

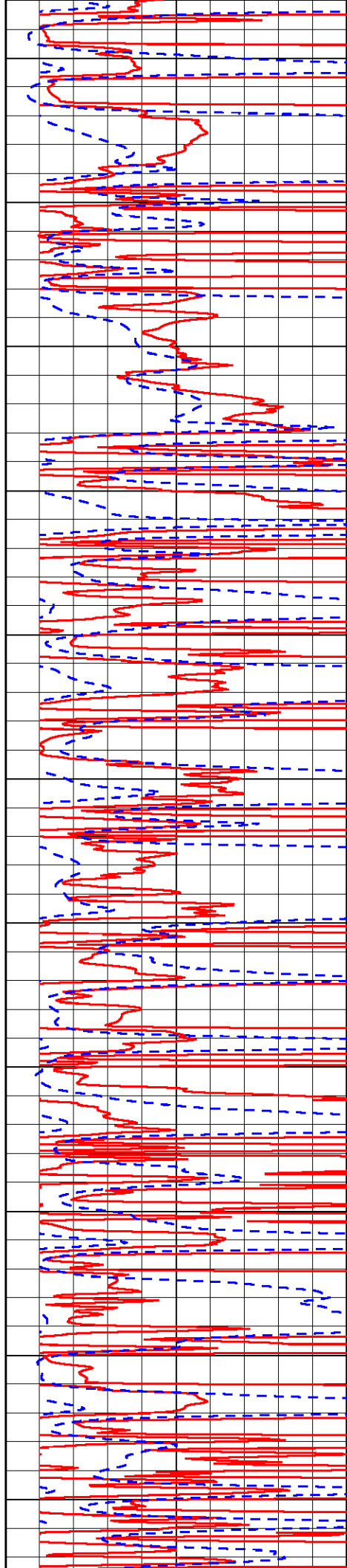
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4350

4400

4450

4500



-32

-32

-32

-32

-31

-32

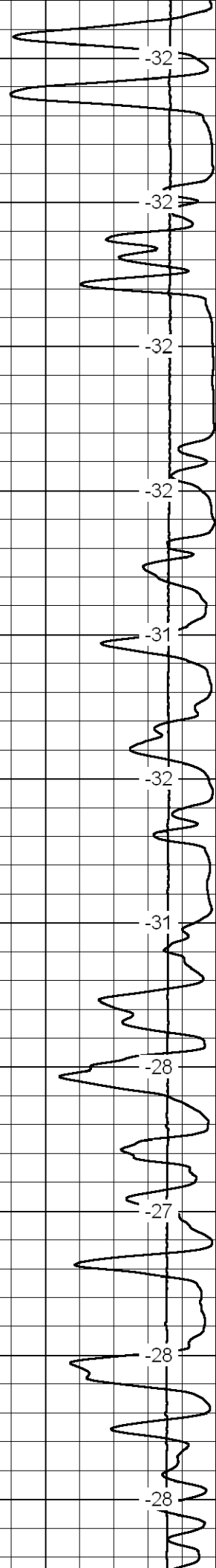
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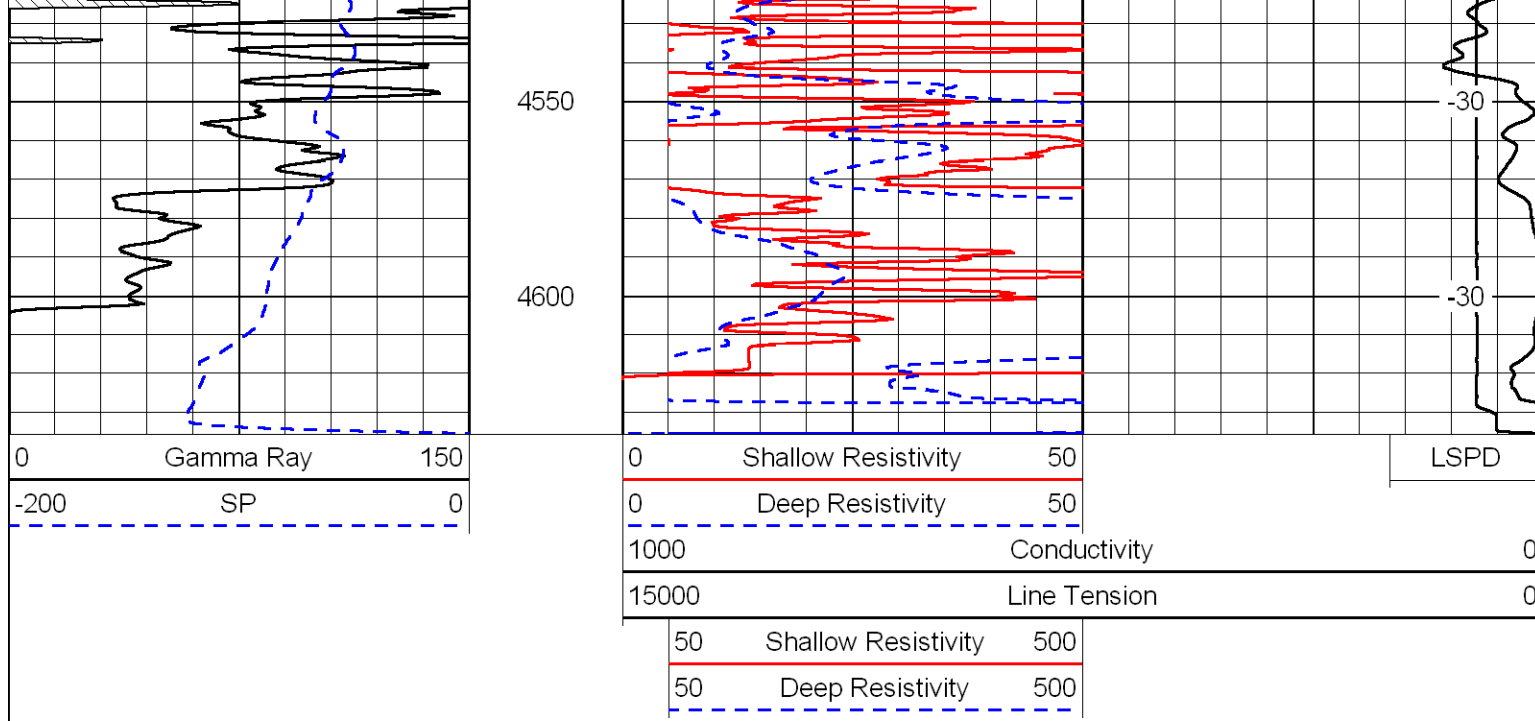
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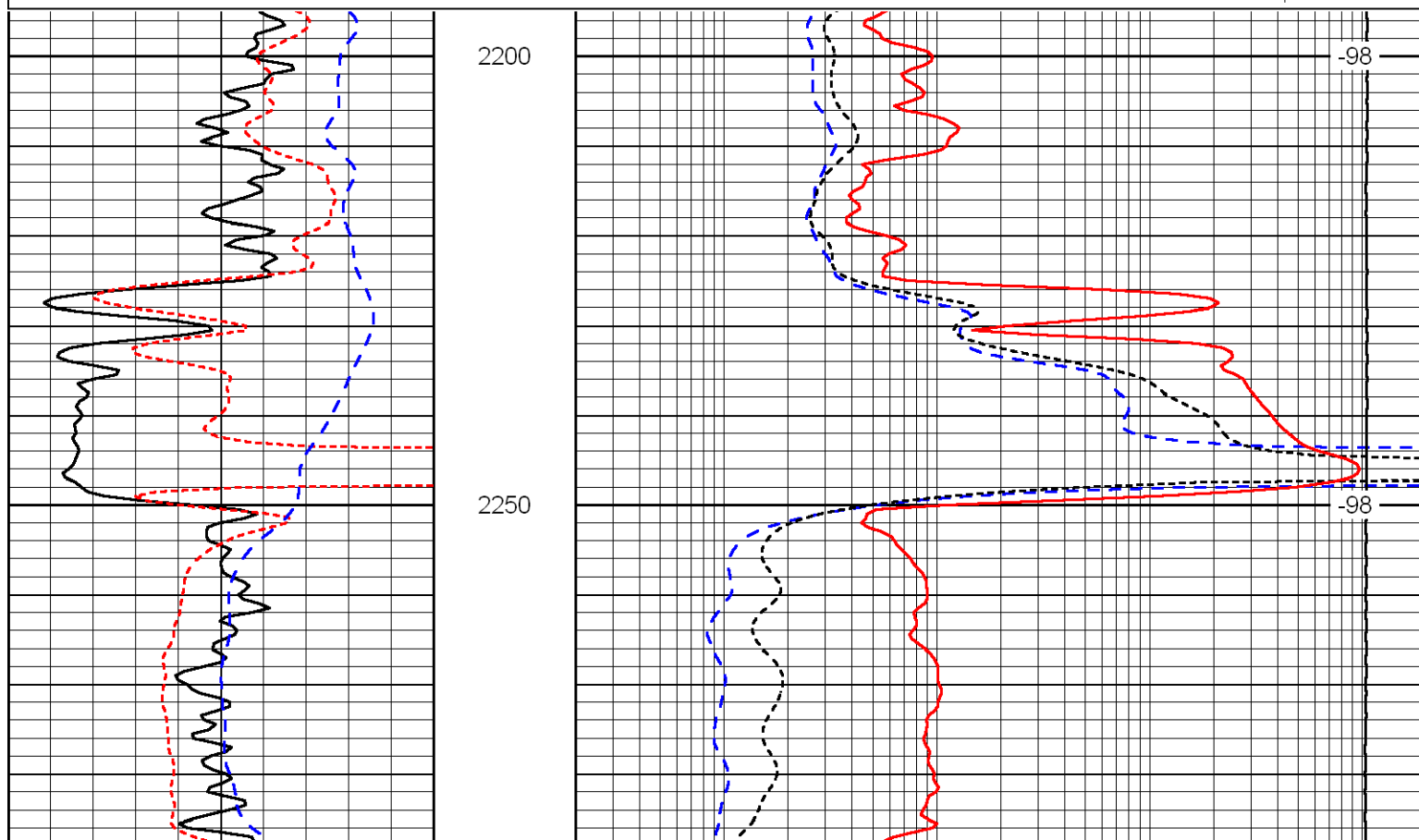
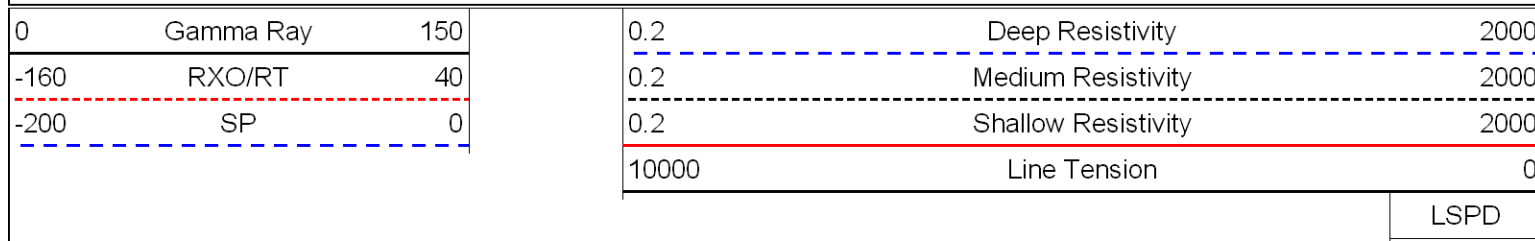
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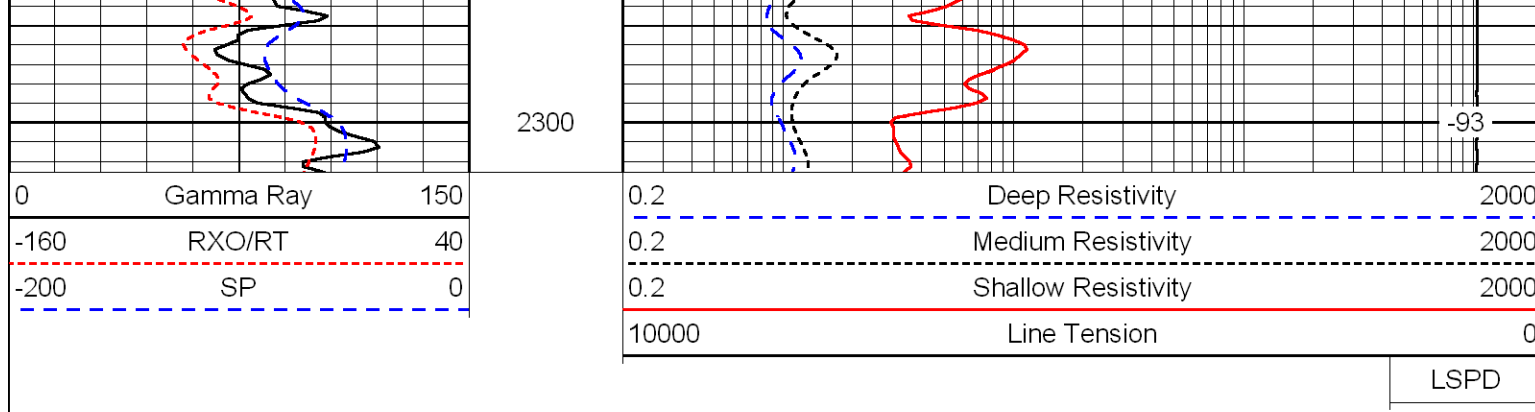
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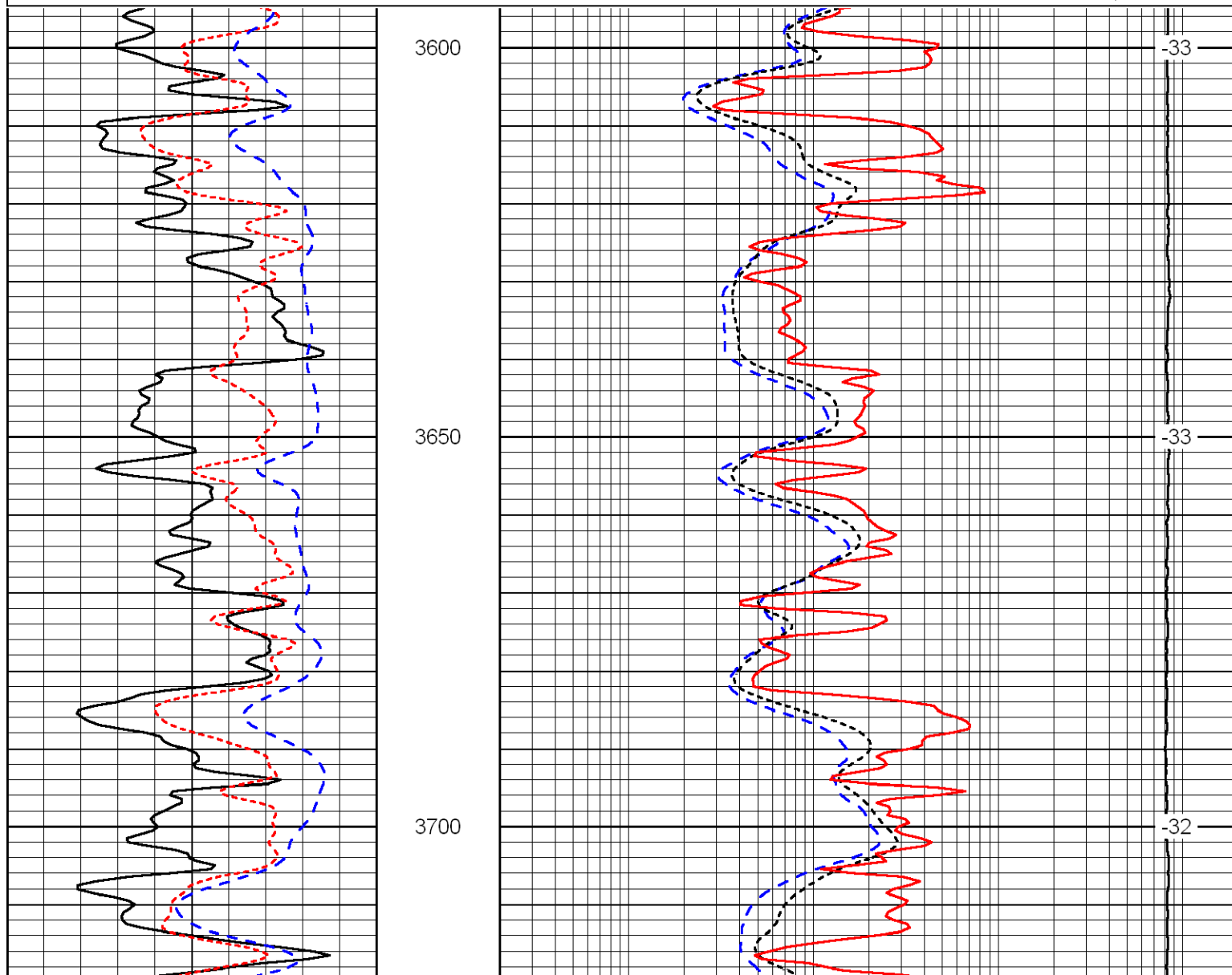
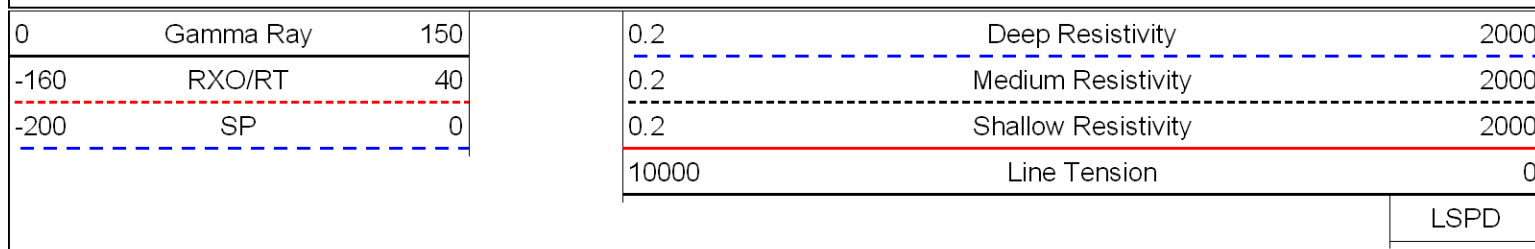


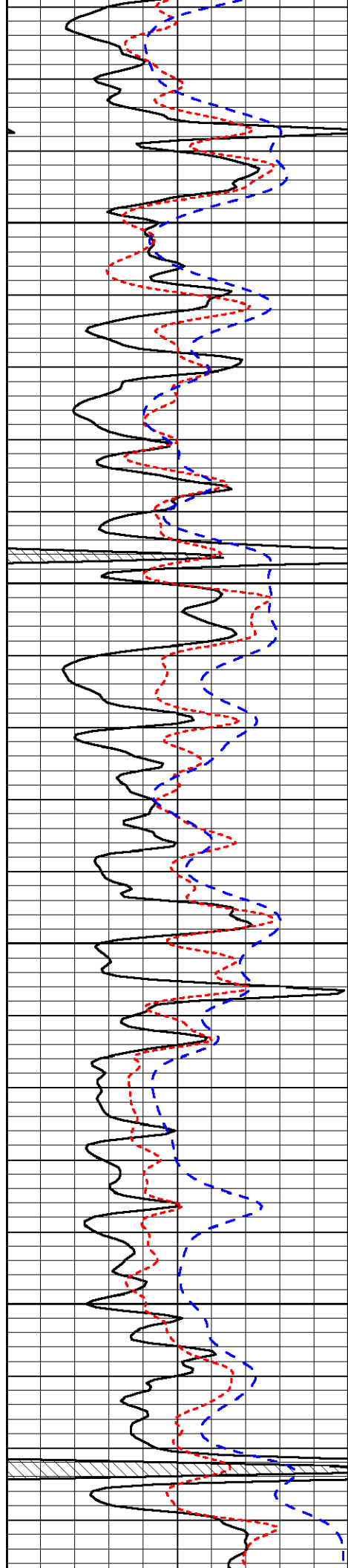
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 Dataset Creation: Fri Feb 04 13:47:19 2011
 Charted by: Depth in Feet scaled 1:240





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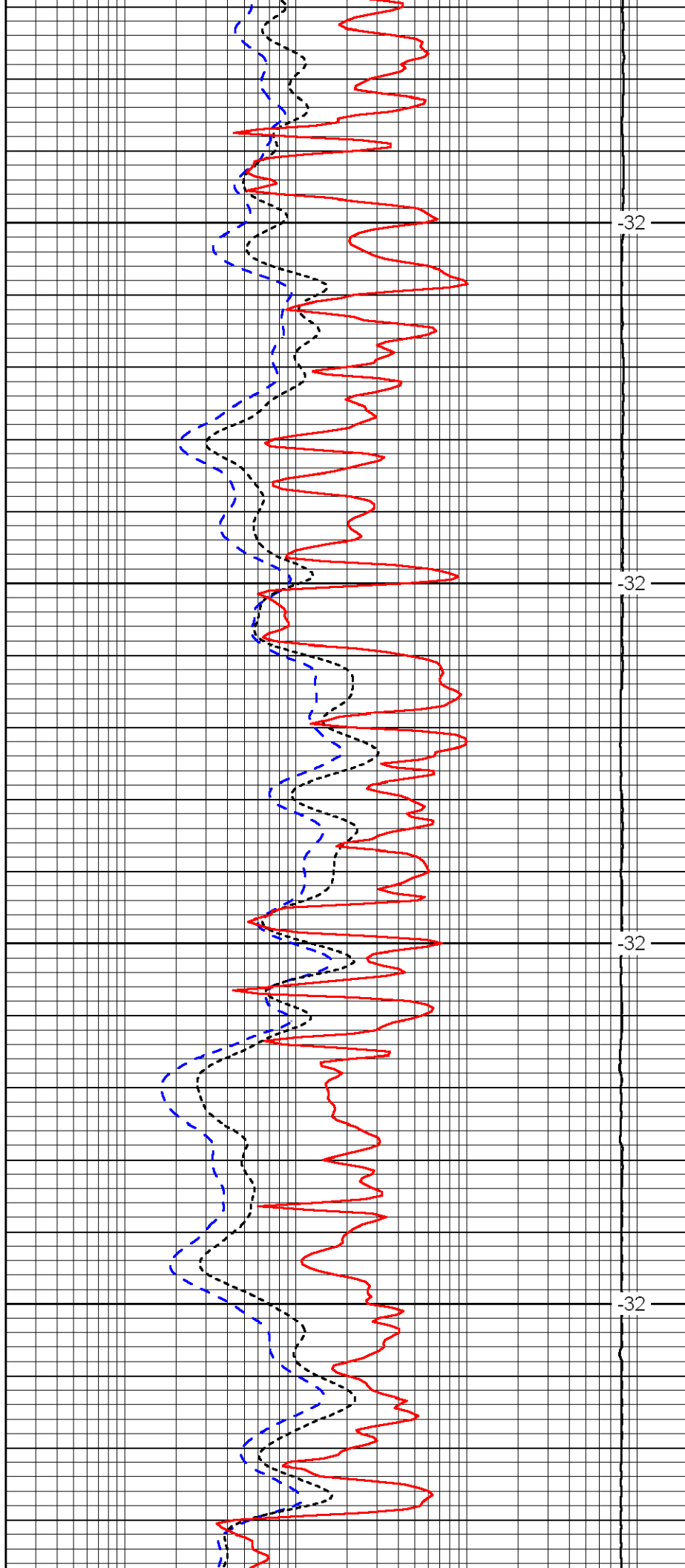


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3900

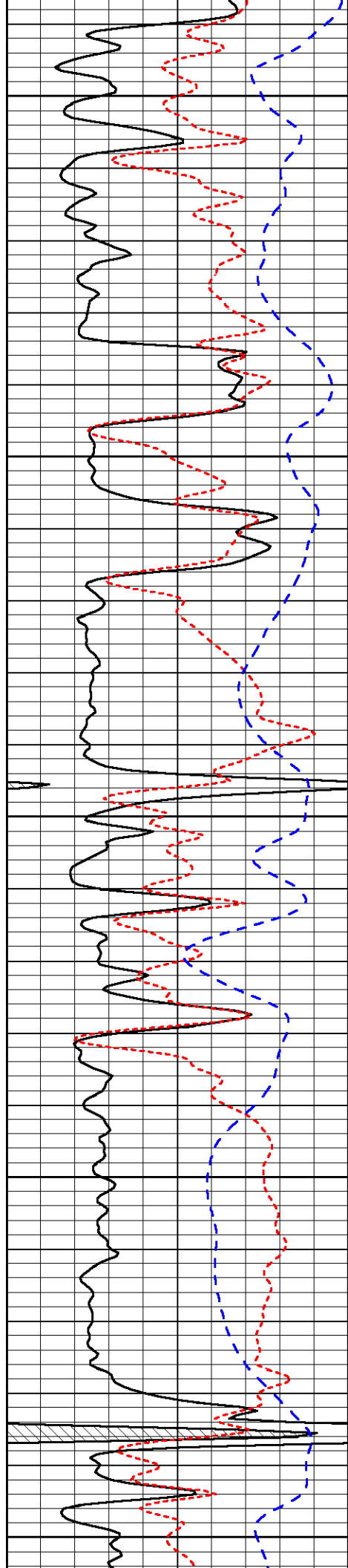


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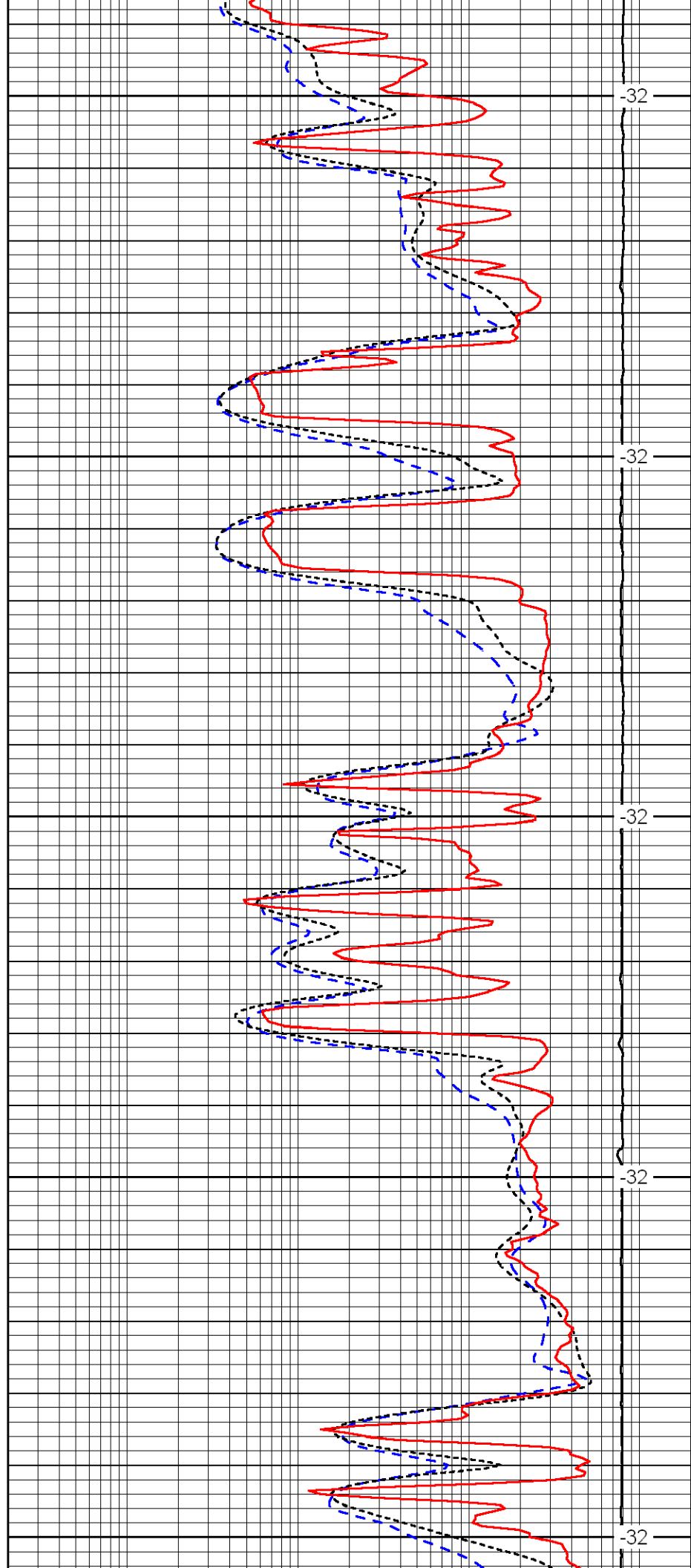
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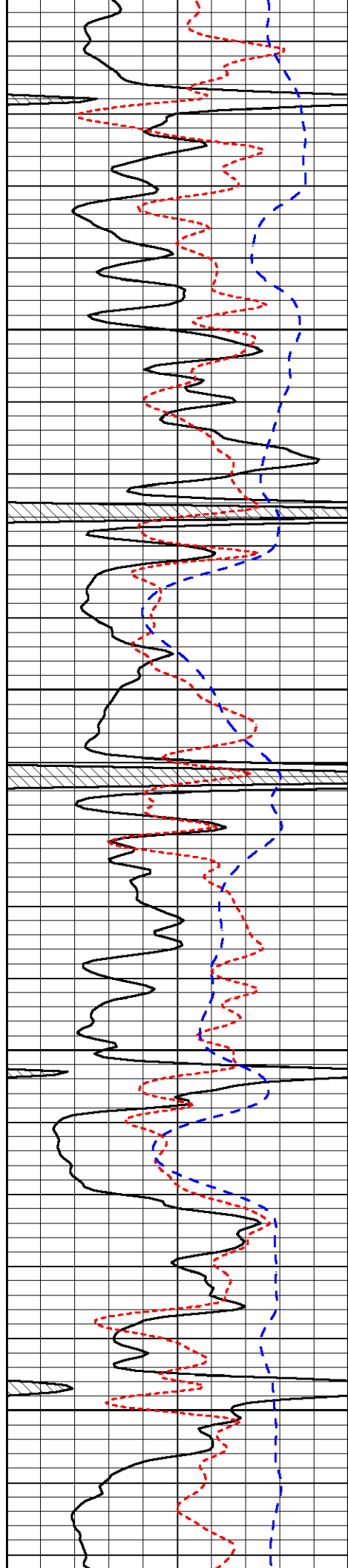
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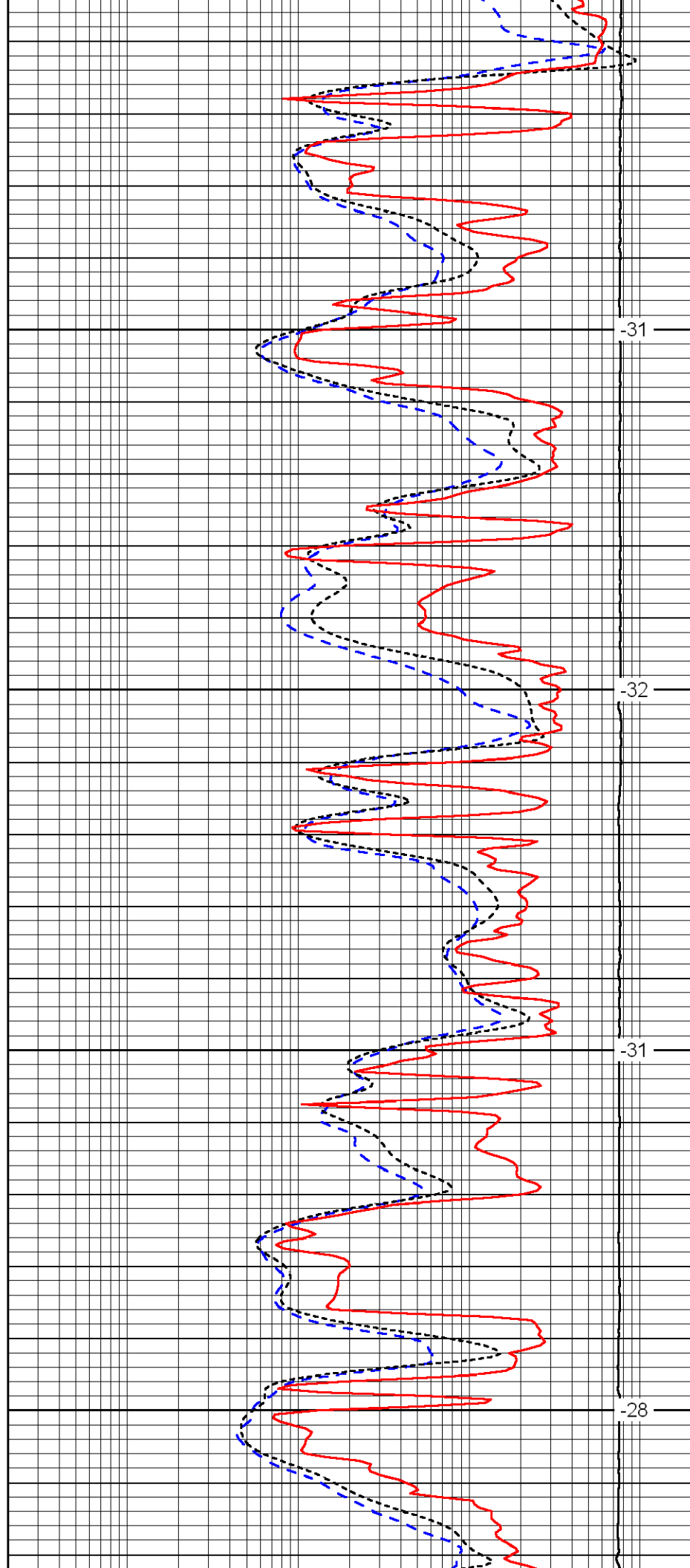


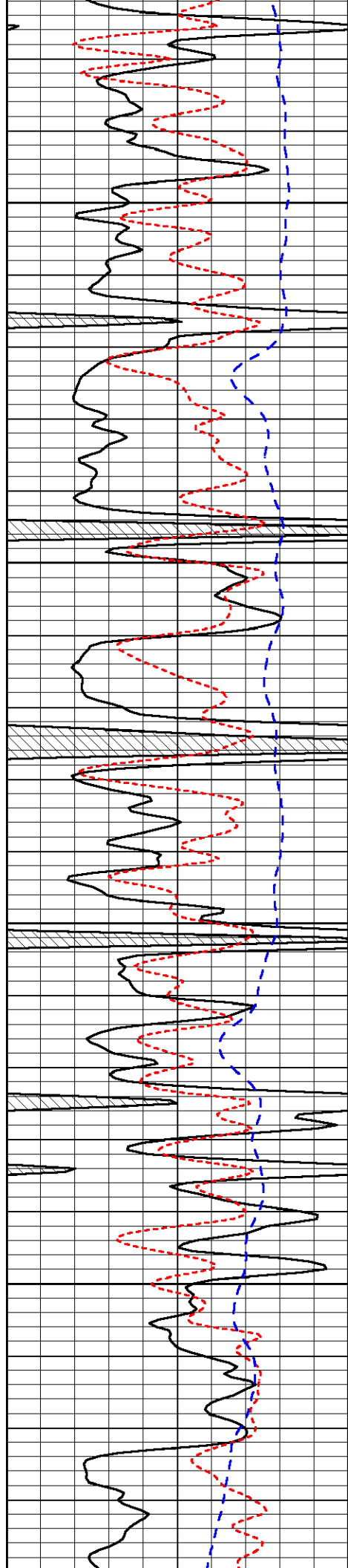
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4350



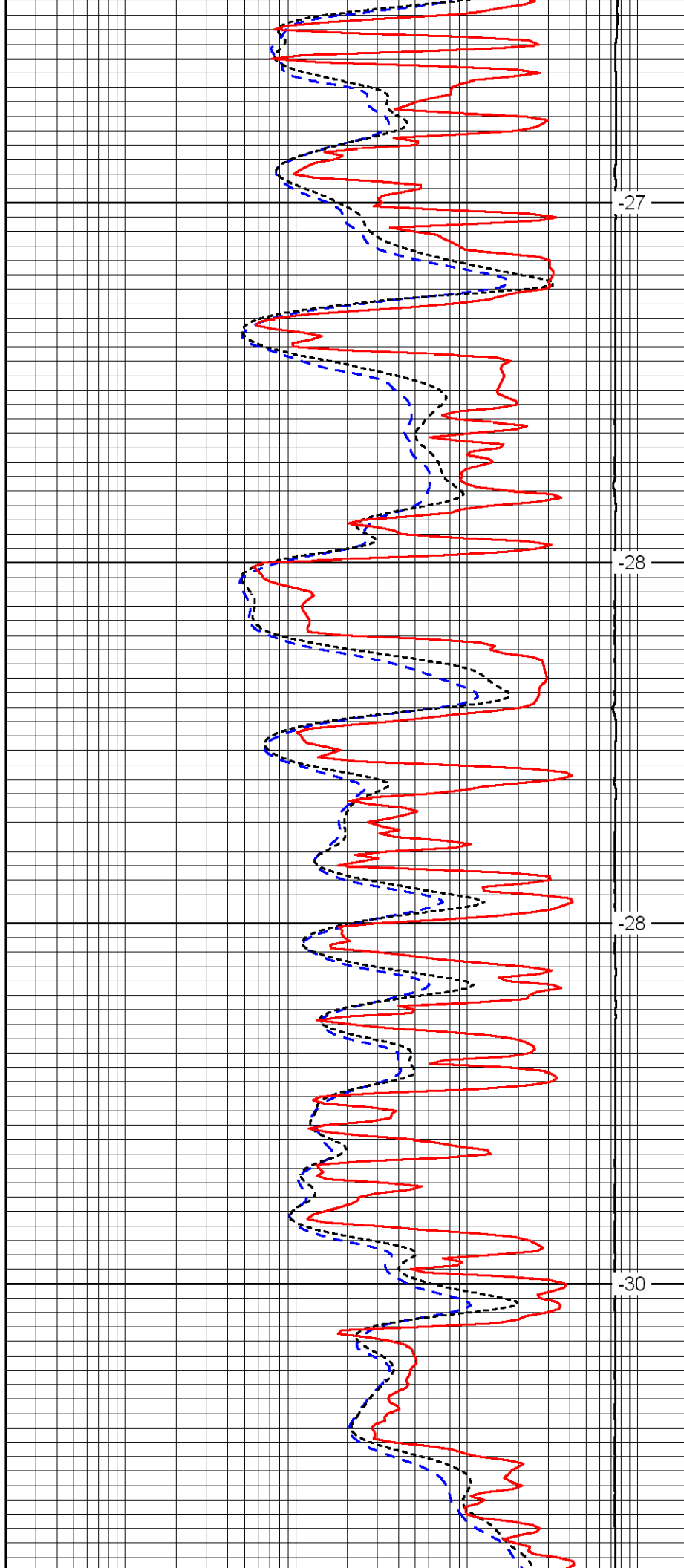


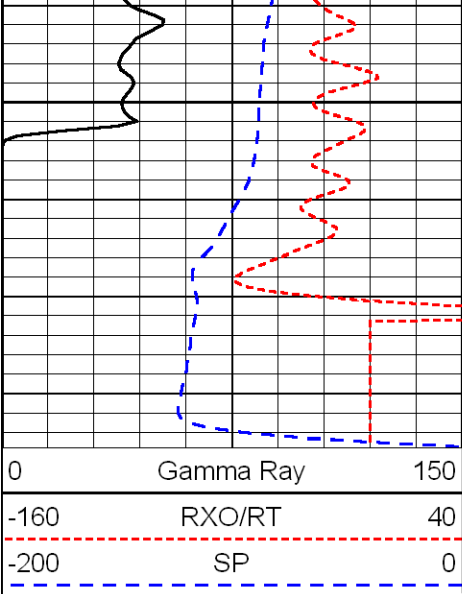
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4500

4550





4600

