

LOG-TECH



Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No.

15-135-25,111-00-00

Company G&T Petroleum Consulting & Man., LLC.

Well Shirley No. 1A

Field Upstart

County Ness State Kansas

Location 585' FSL & 2310' FEL

Sec: 14 Twp: 17 S Rge: 21 W

Other Services
CNL/CDL
MEL/BHCS

Elevation

Permanent Datum Ground Level Elevation 2175
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2182
D.F. 2175
G.L. 2175

Date 8/10/2010

Run Number One

Depth Driller 4275

Depth Logger 4275

Bottom Logged Interval 4274

Top Log Interval 200

Casing Driller 8.625 @ 221

Casing Logger 220

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 4.000

Density / Viscosity 9.2 51

pH / Fluid Loss 8.5 8.6

Source of Sample Flowline

Rm @ Meas. Temp .62 @ 70

Rmf @ Meas. Temp .47 @ 70

Rmc @ Meas. Temp .84 @ 70

Source of Rmf / Rmc Charts

Rm @ BHT .36 @ 121

Operating Rig Time 5 Hours

Max Rec. Temp. F 121

Equipment Number 4

Location Hays

Recorded By K. Bange

Witnessed By Jim Rutherford

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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

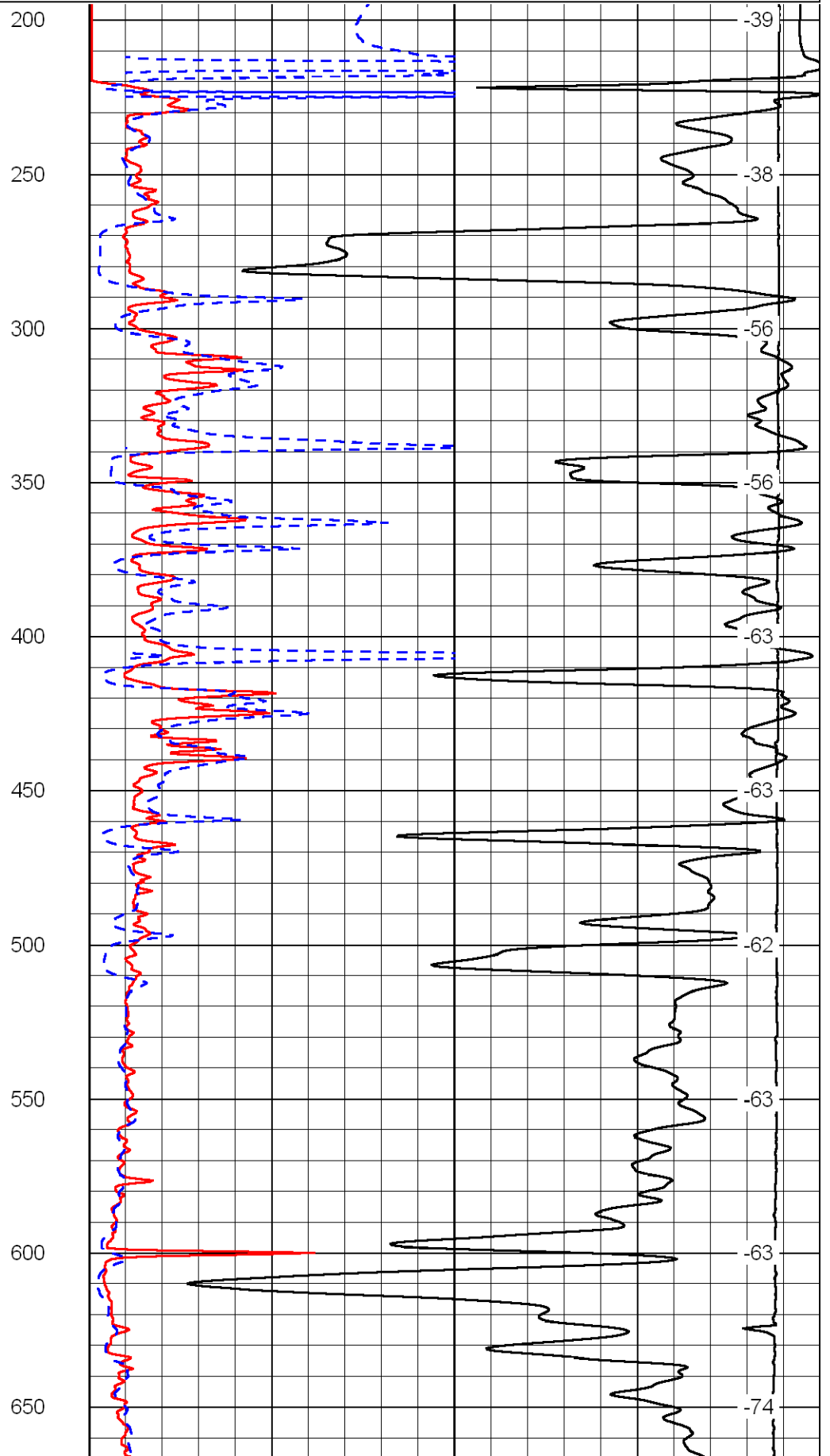
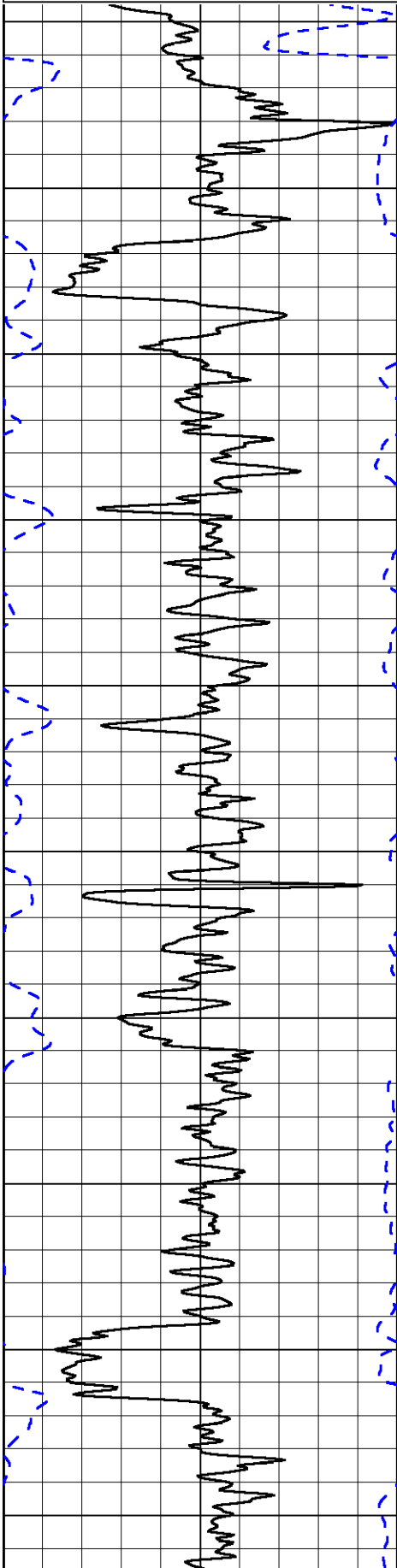
Thank you for using Log-Tech, Inc.
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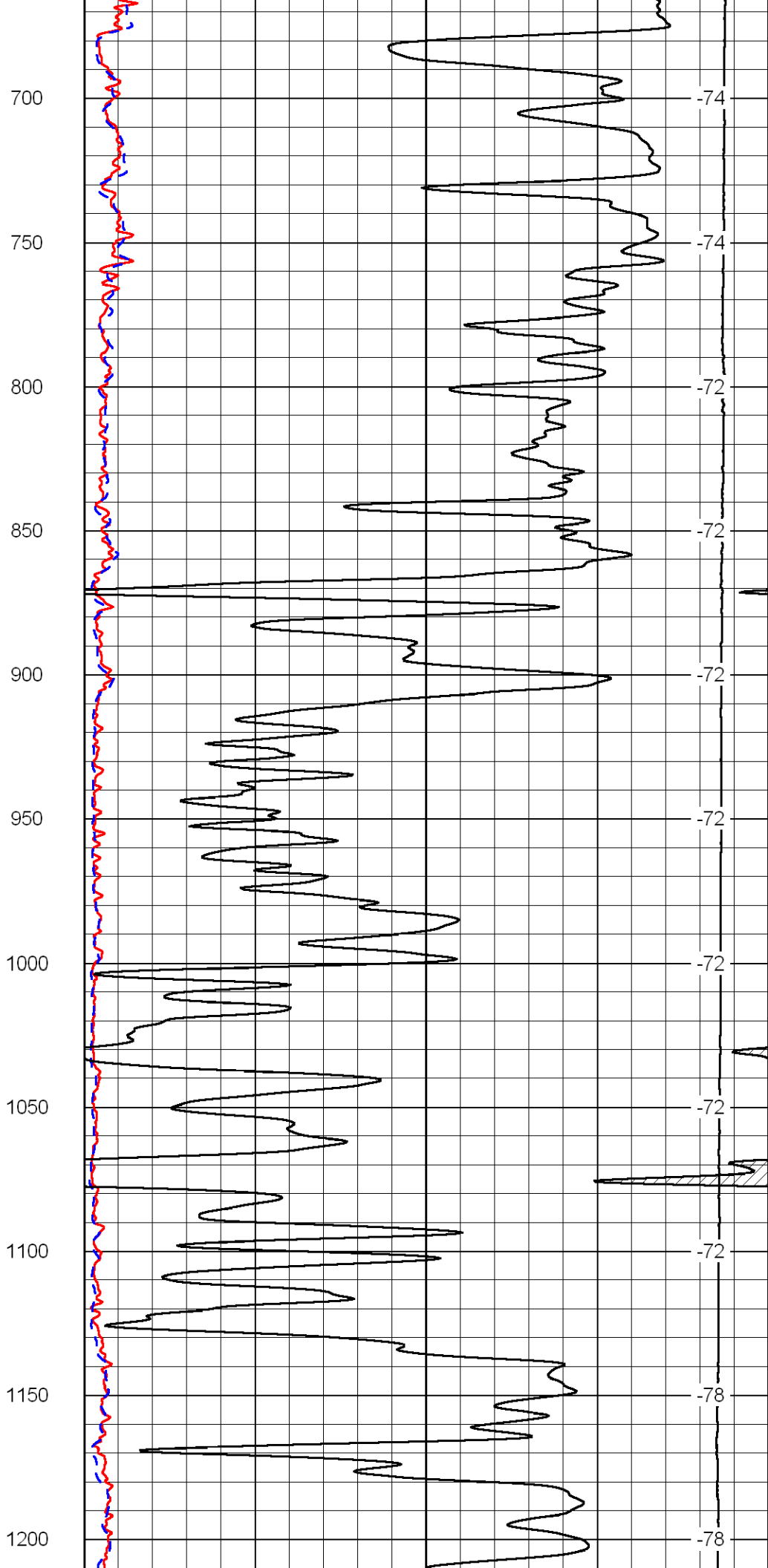
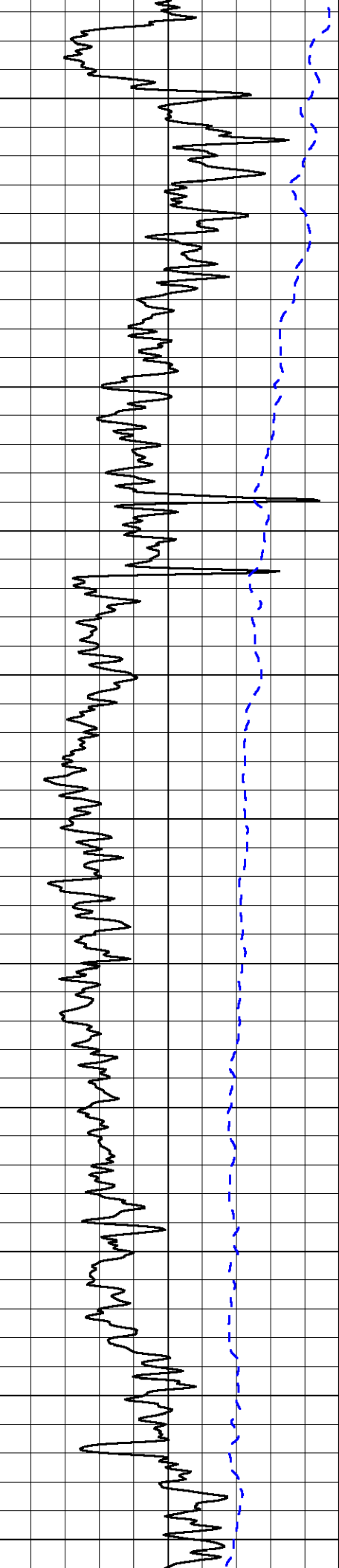
McCracken, S past RR tracks, 2 W to Il rd, 1 S, 1/2 W, N into

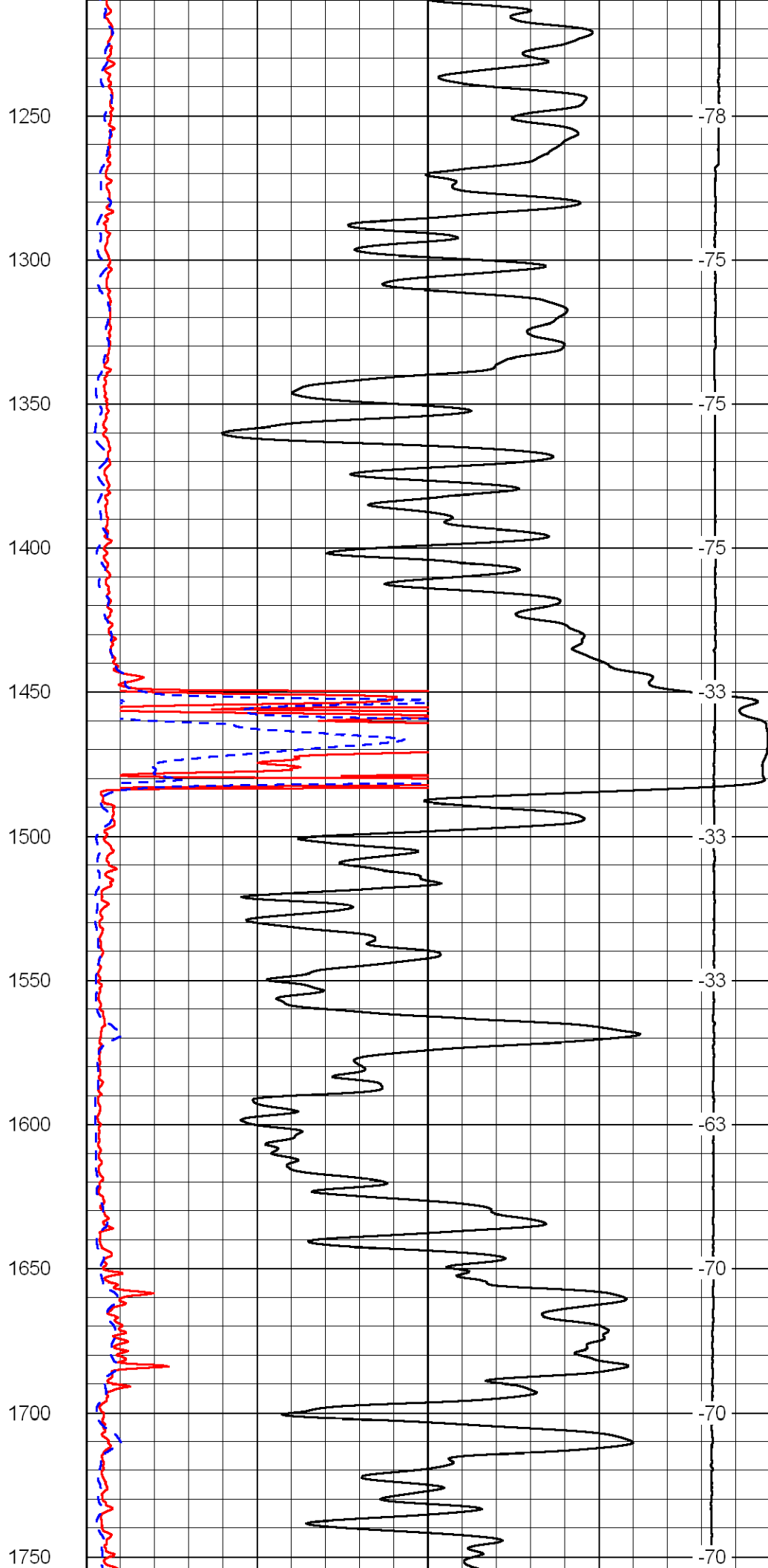
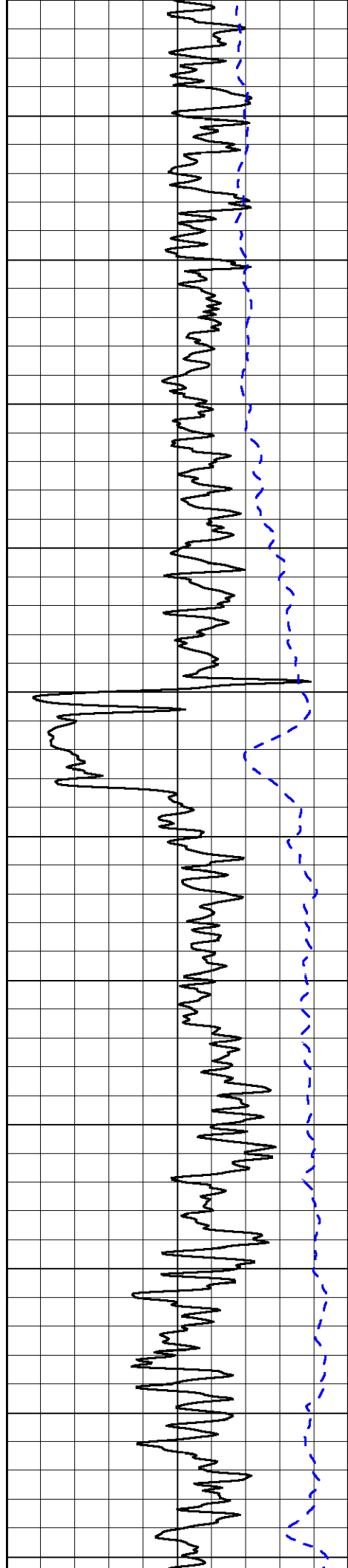
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Charted by: Depth in Feet scaled 1:600

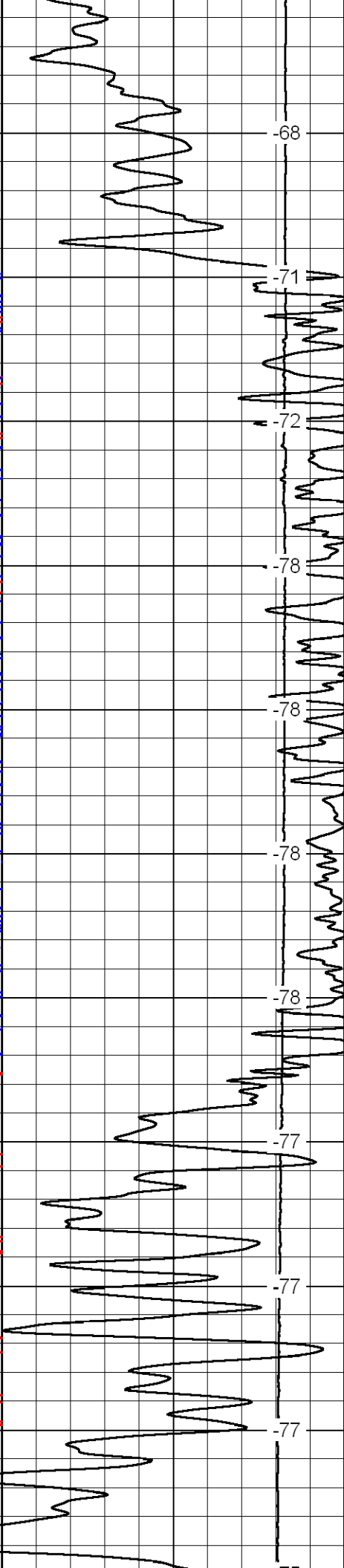
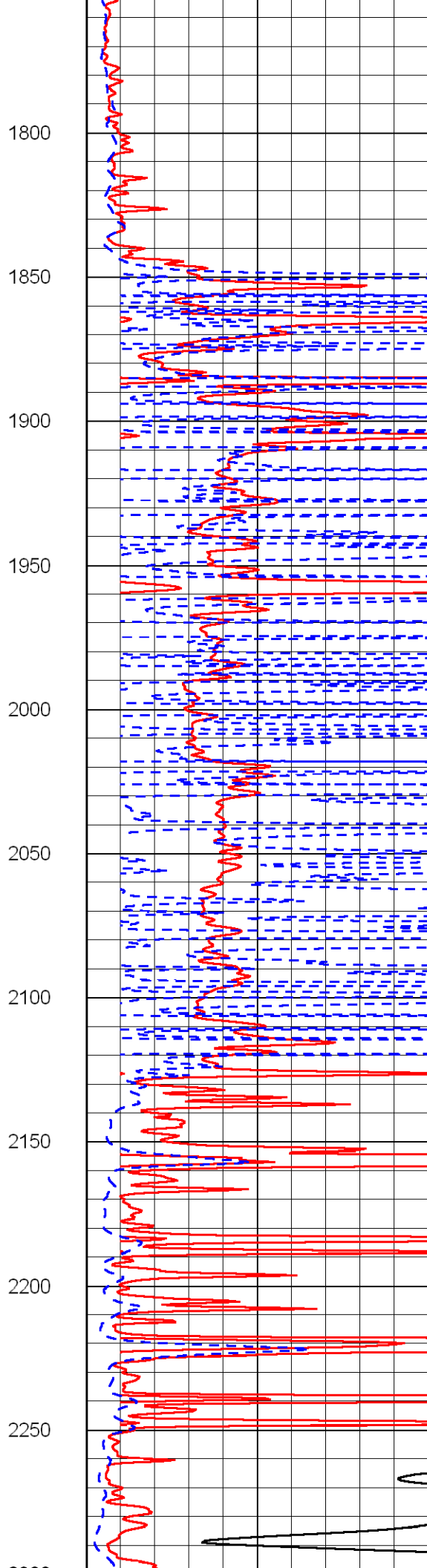
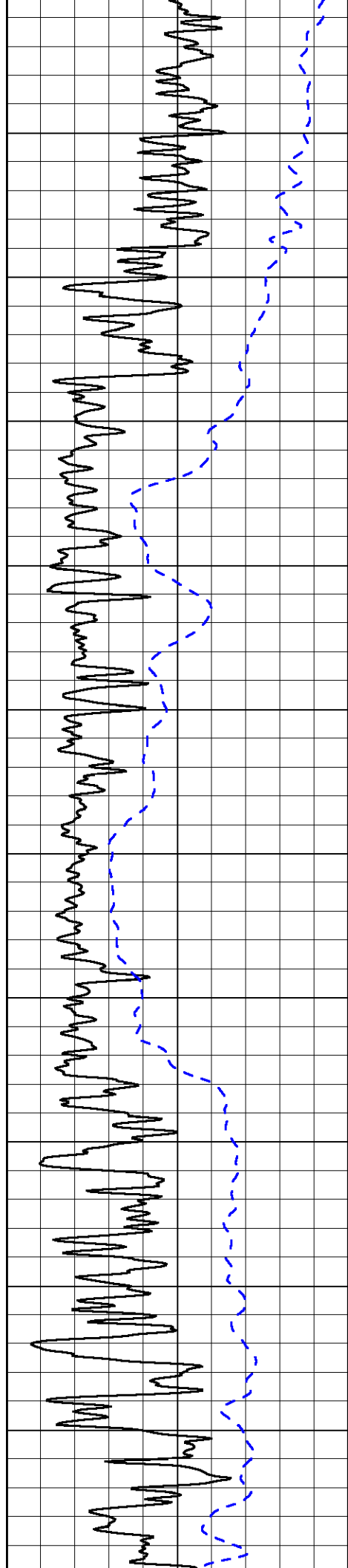
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-200	SP	0

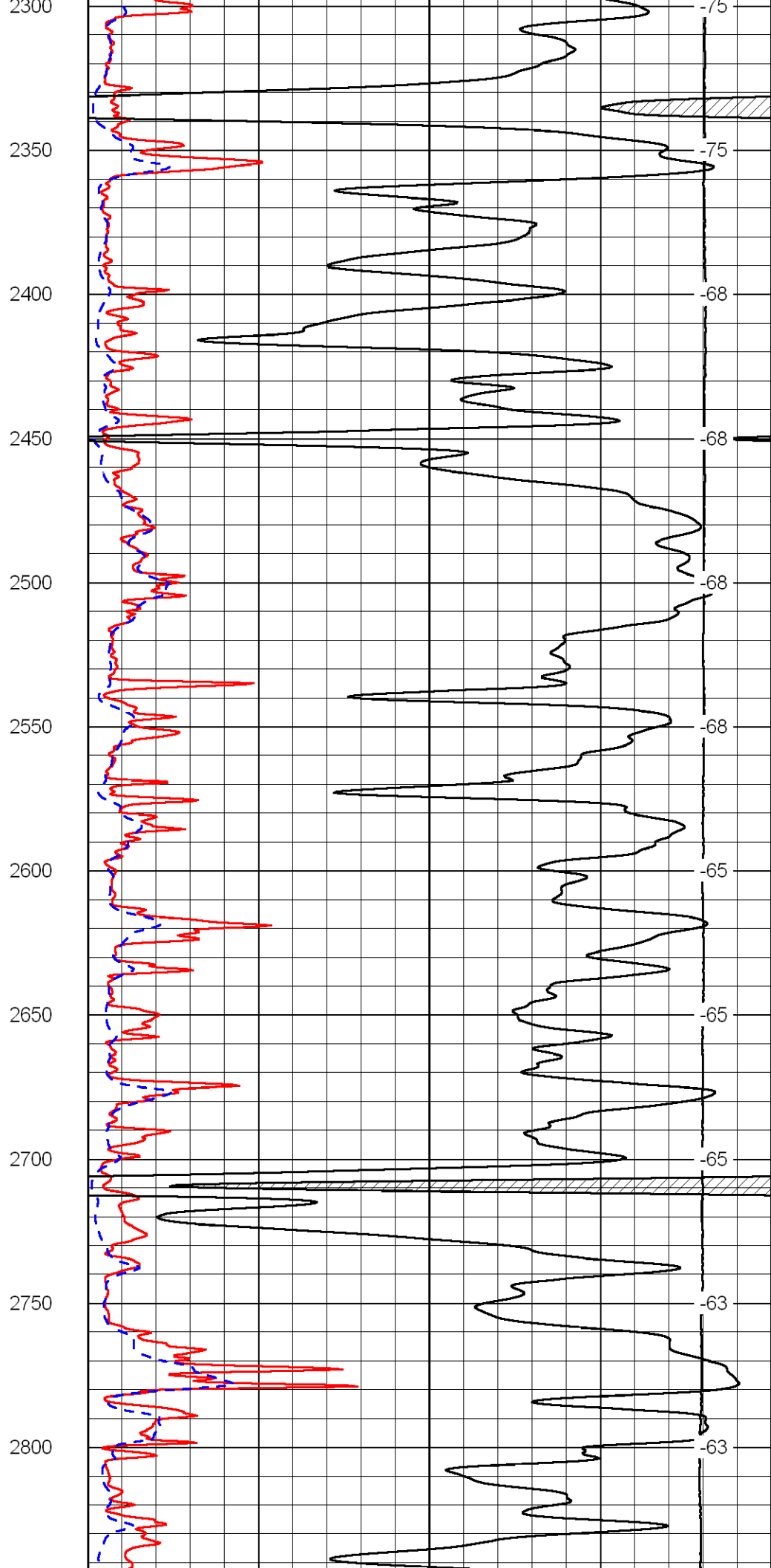
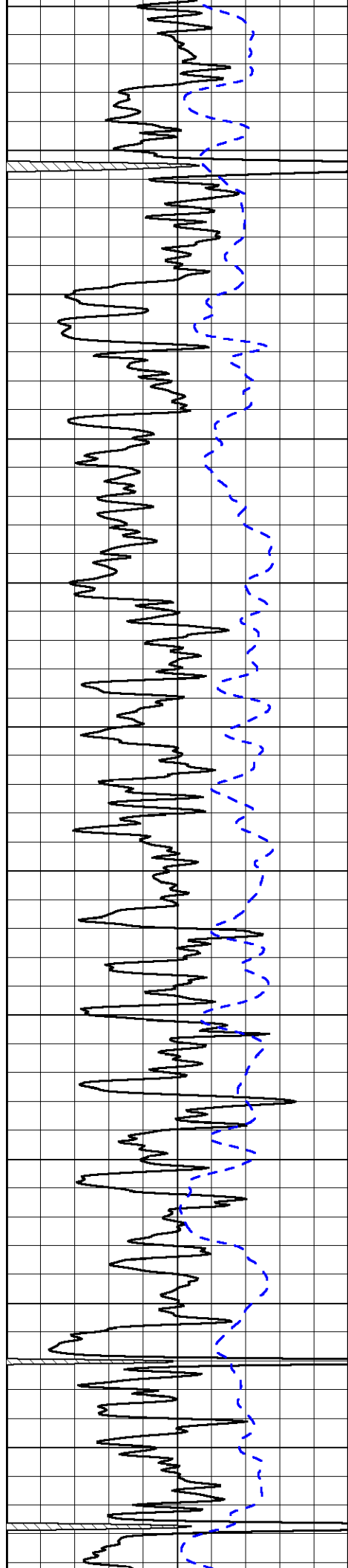
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0	Deep Resistivity	50
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15000	Line Tension	0
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50	Deep Resistivity	500

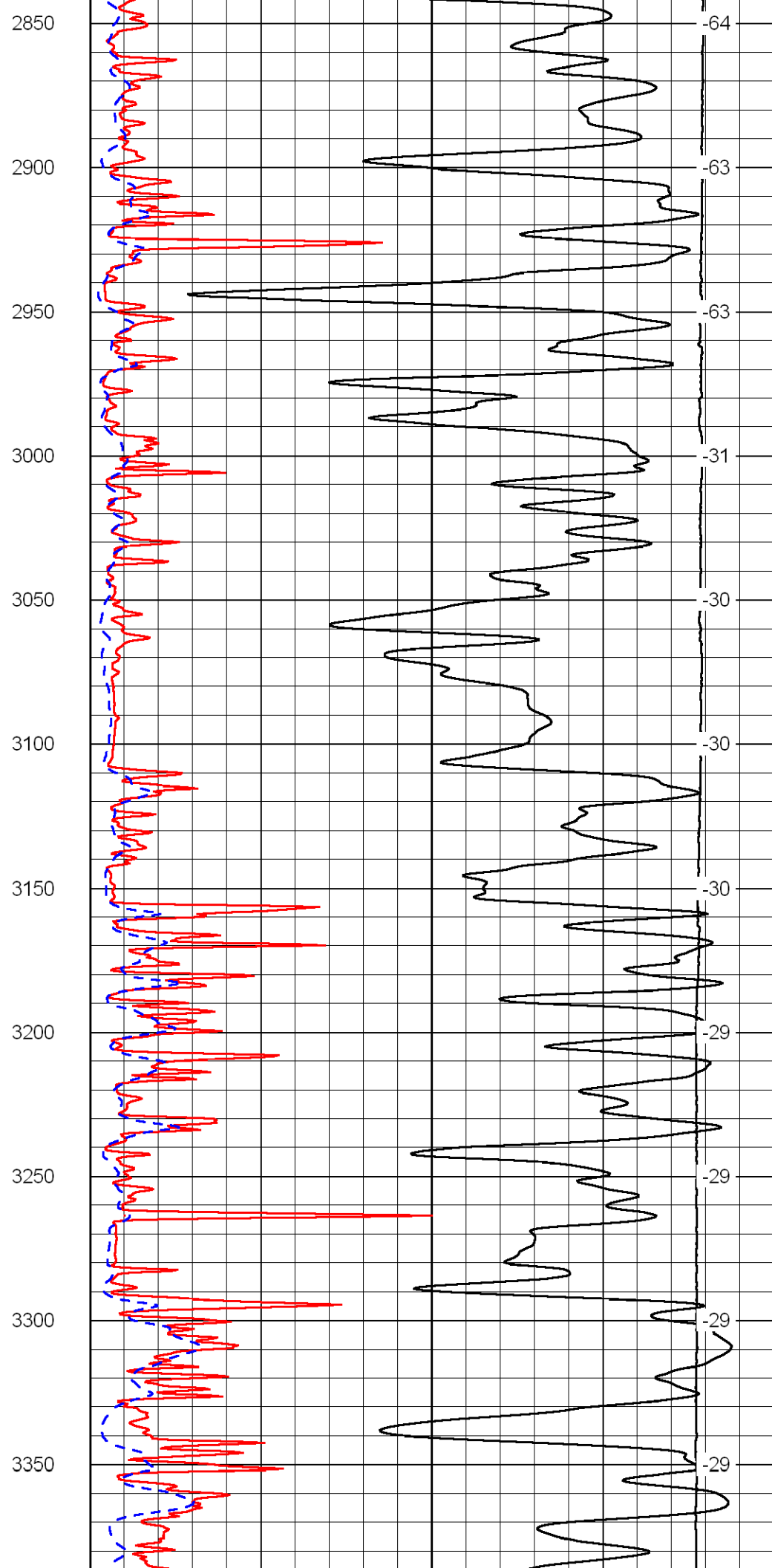
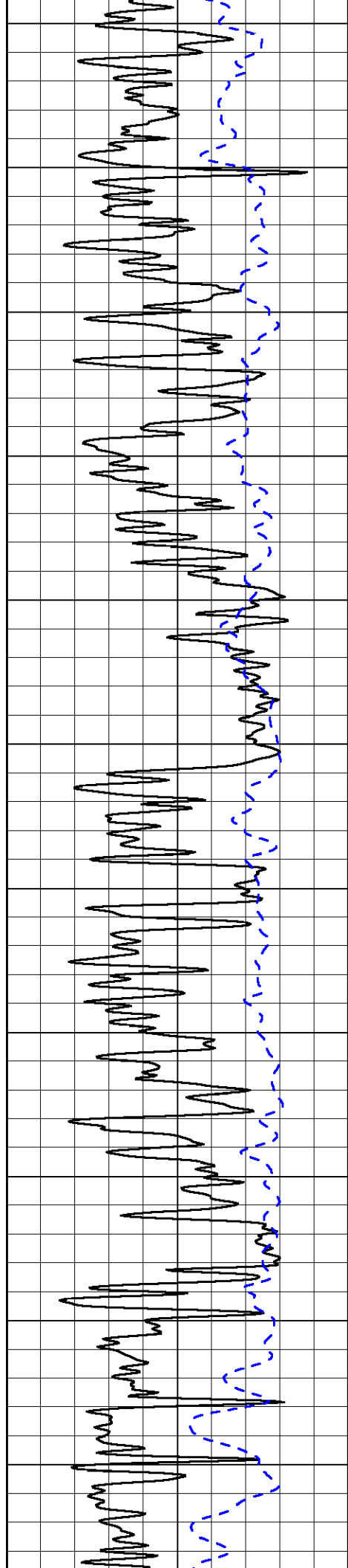


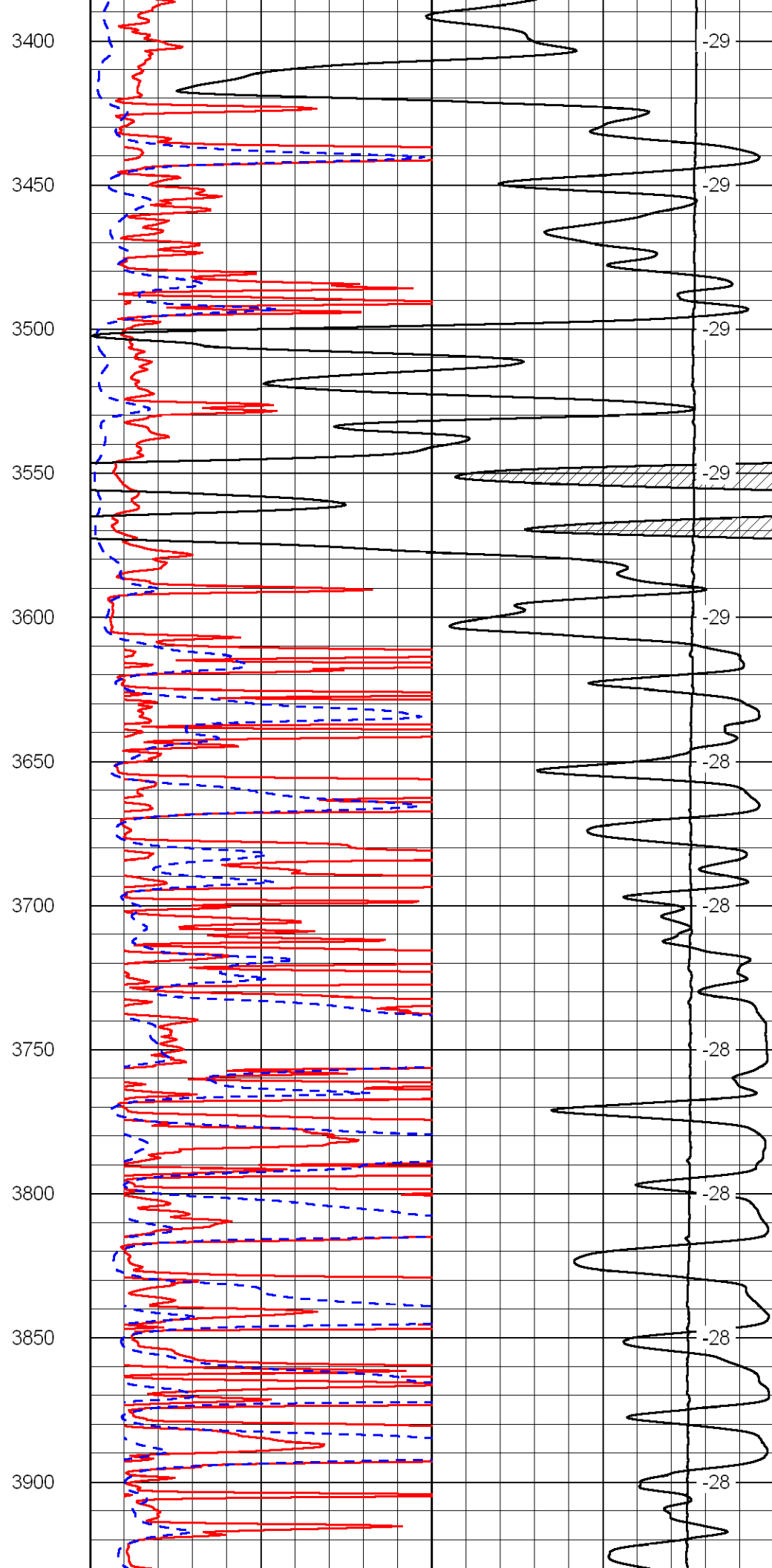
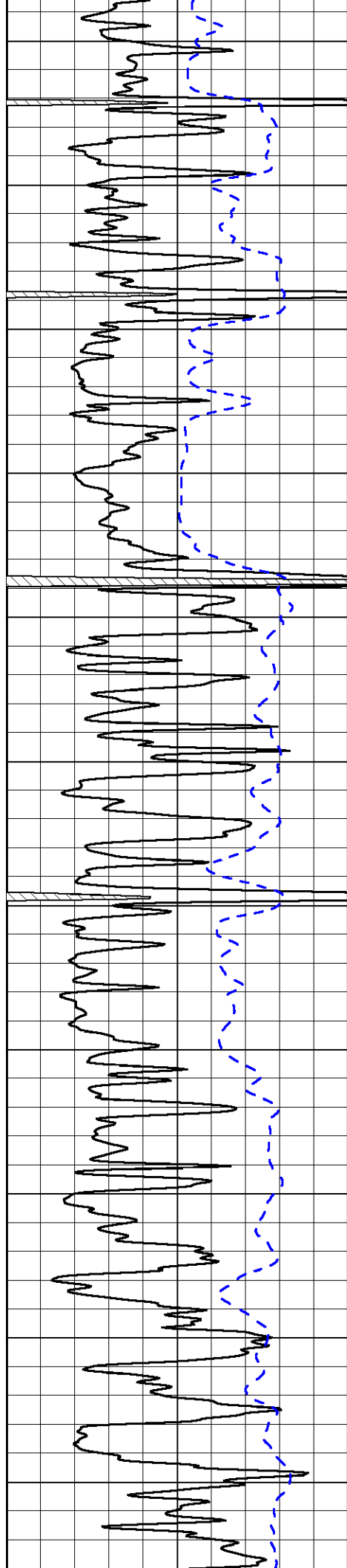


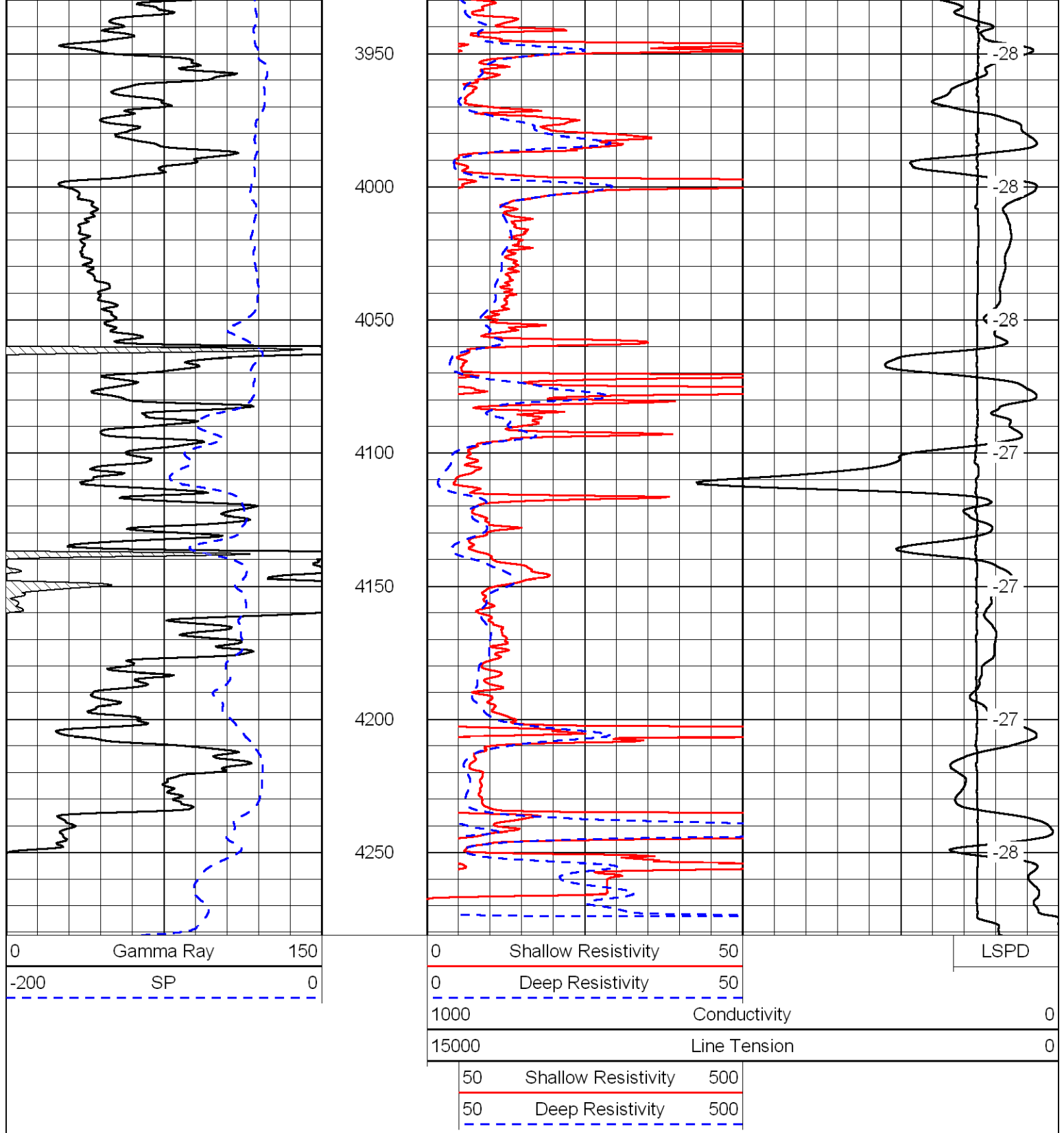




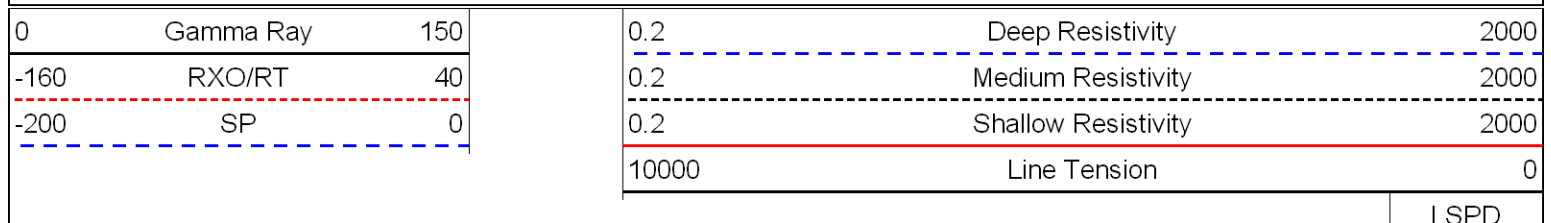


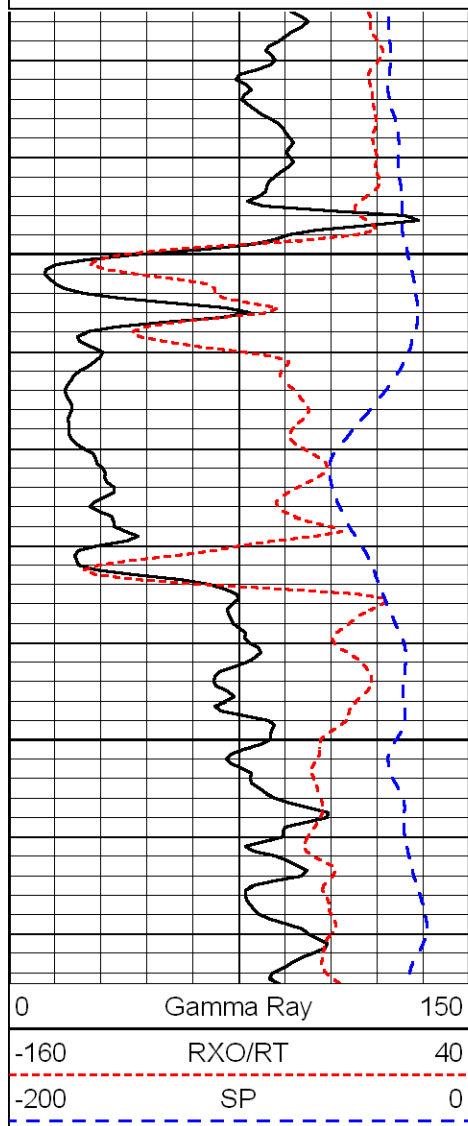






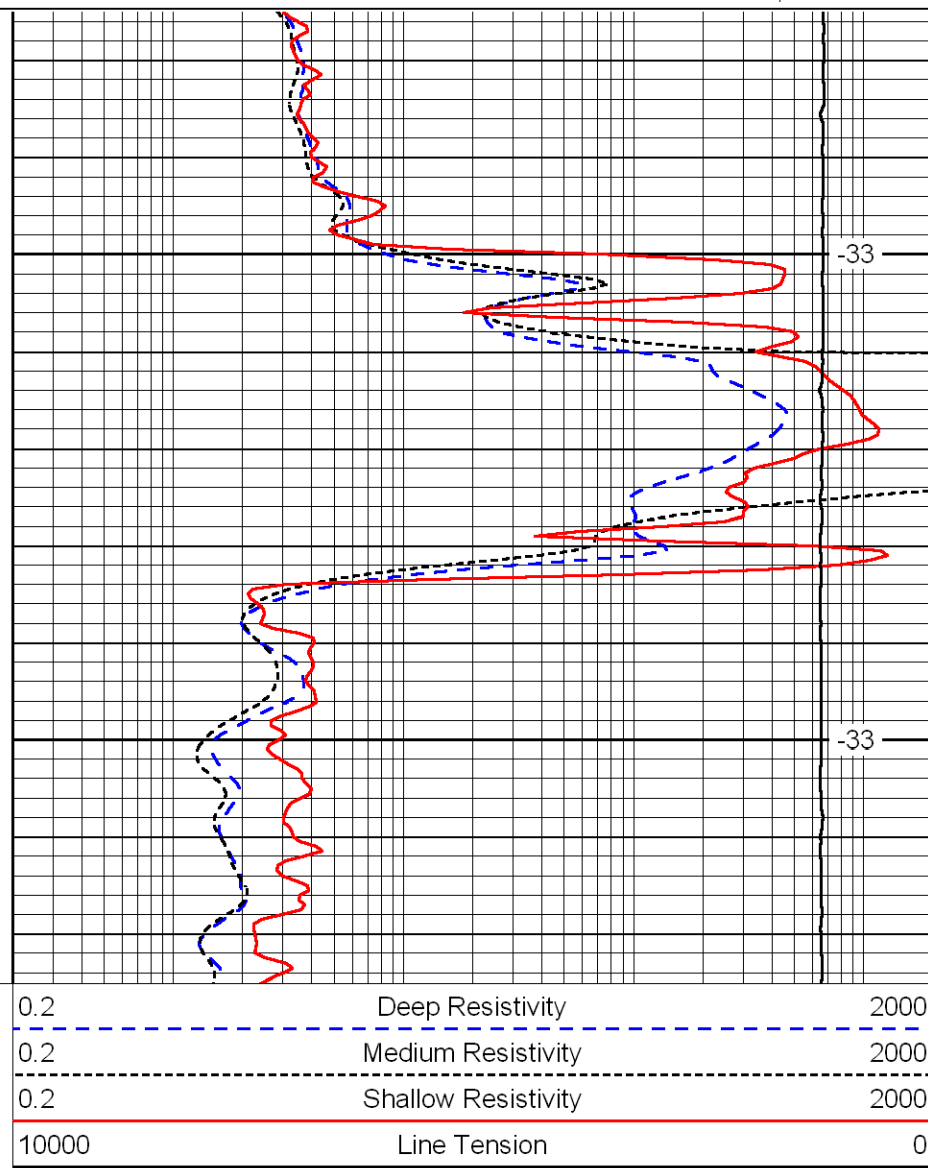
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1500

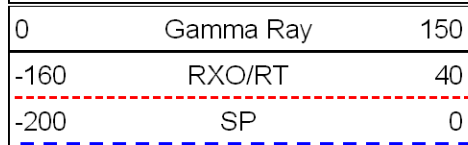


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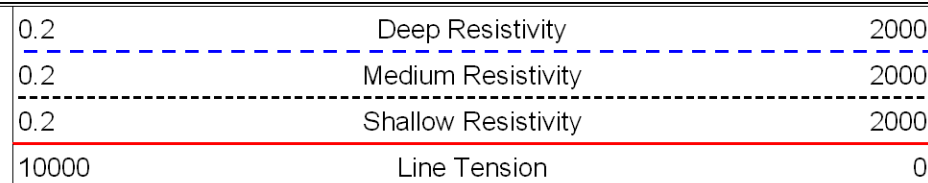
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LSPD

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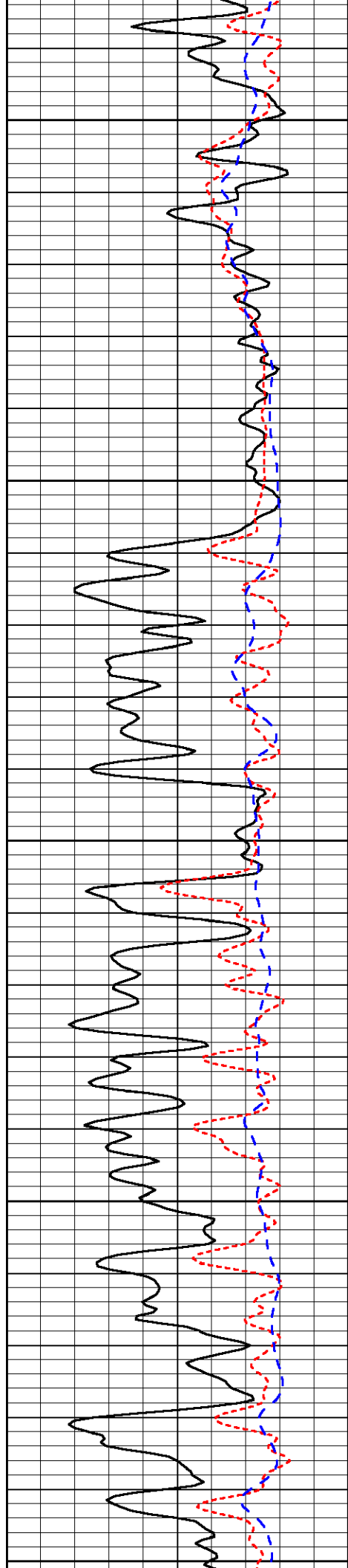


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LSPD

-31



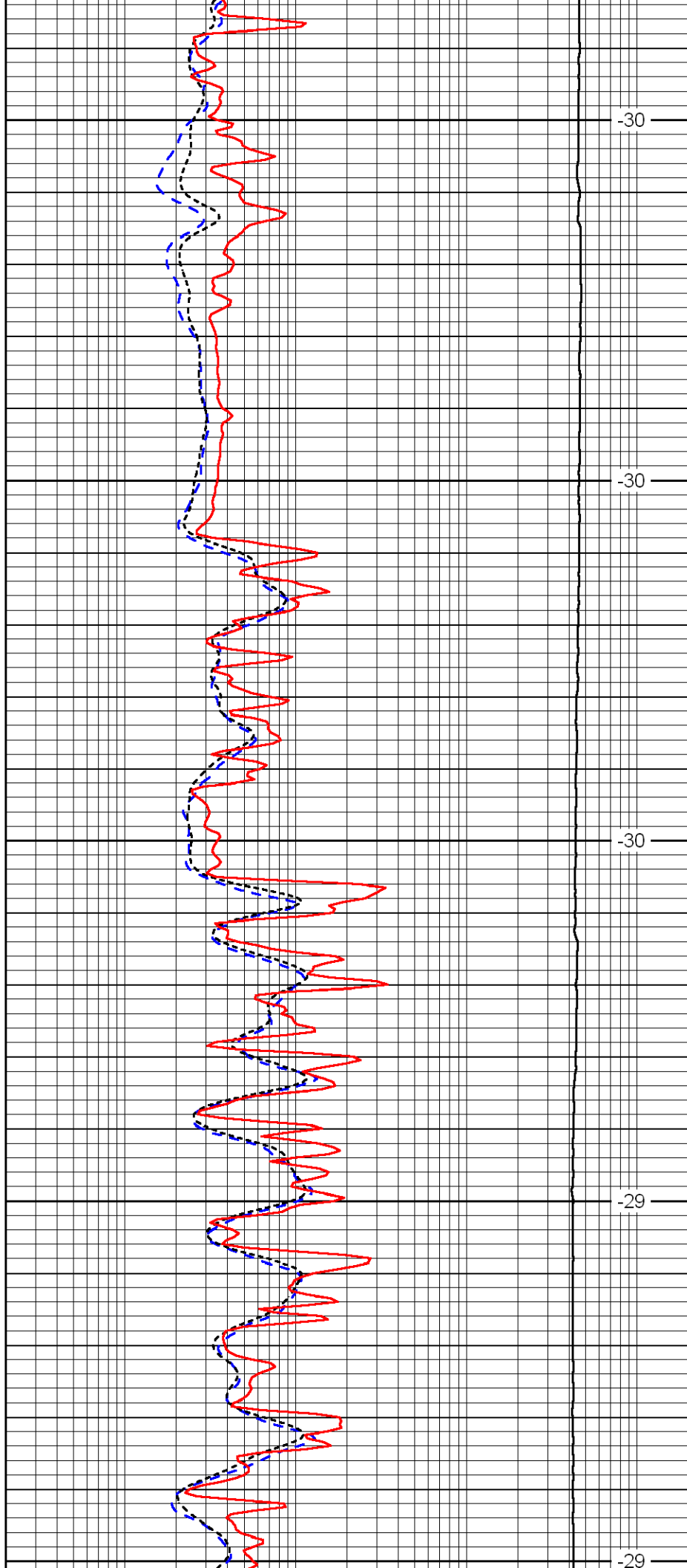
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3100

3150

3200

3250



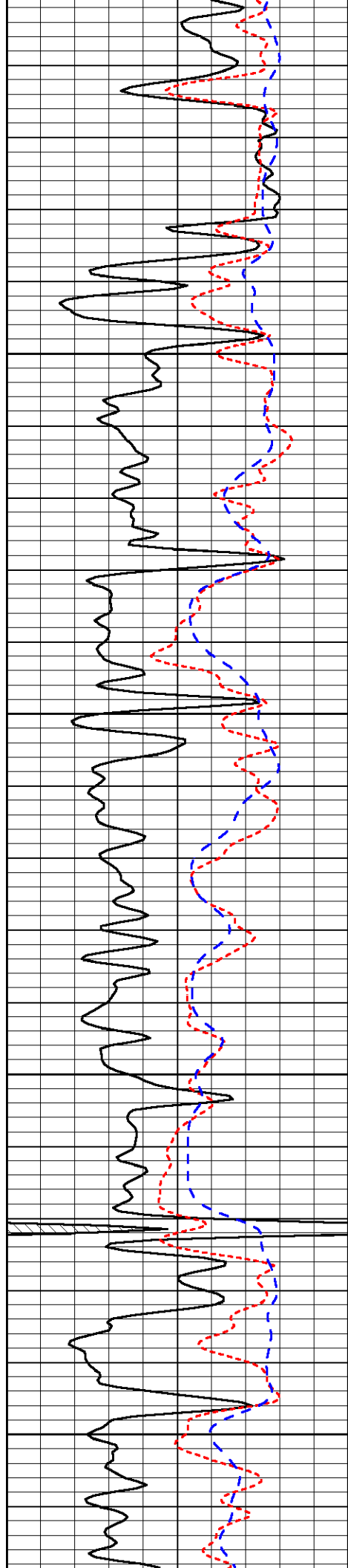
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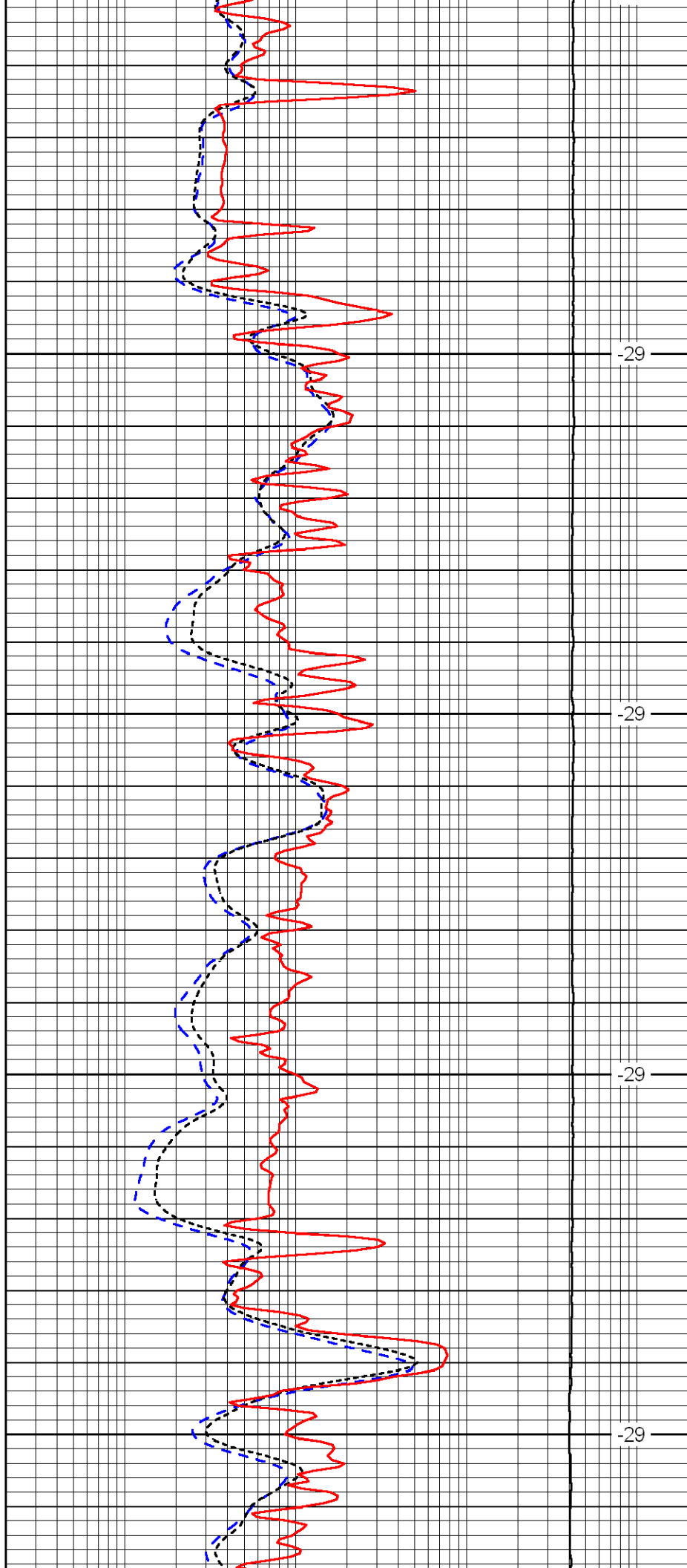


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3350

3400

3450

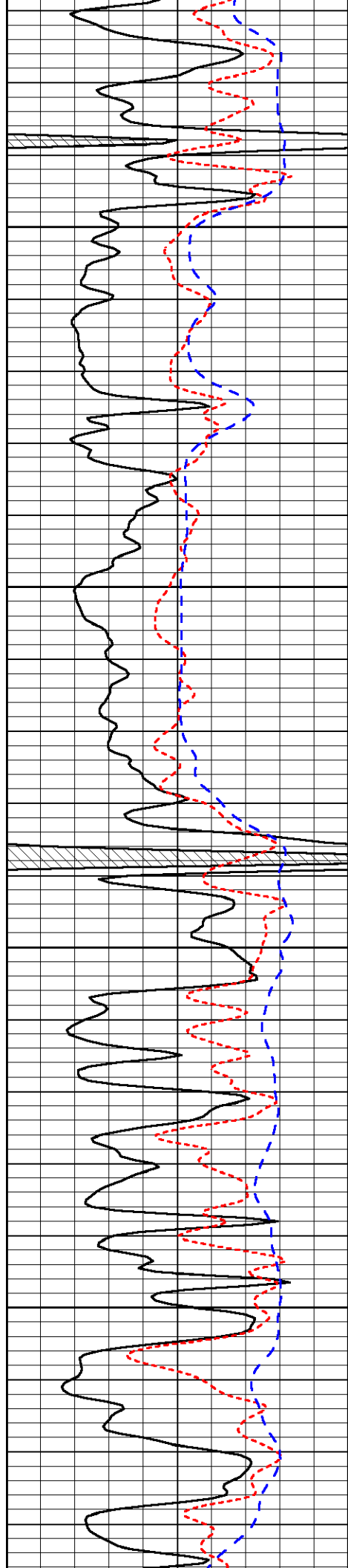


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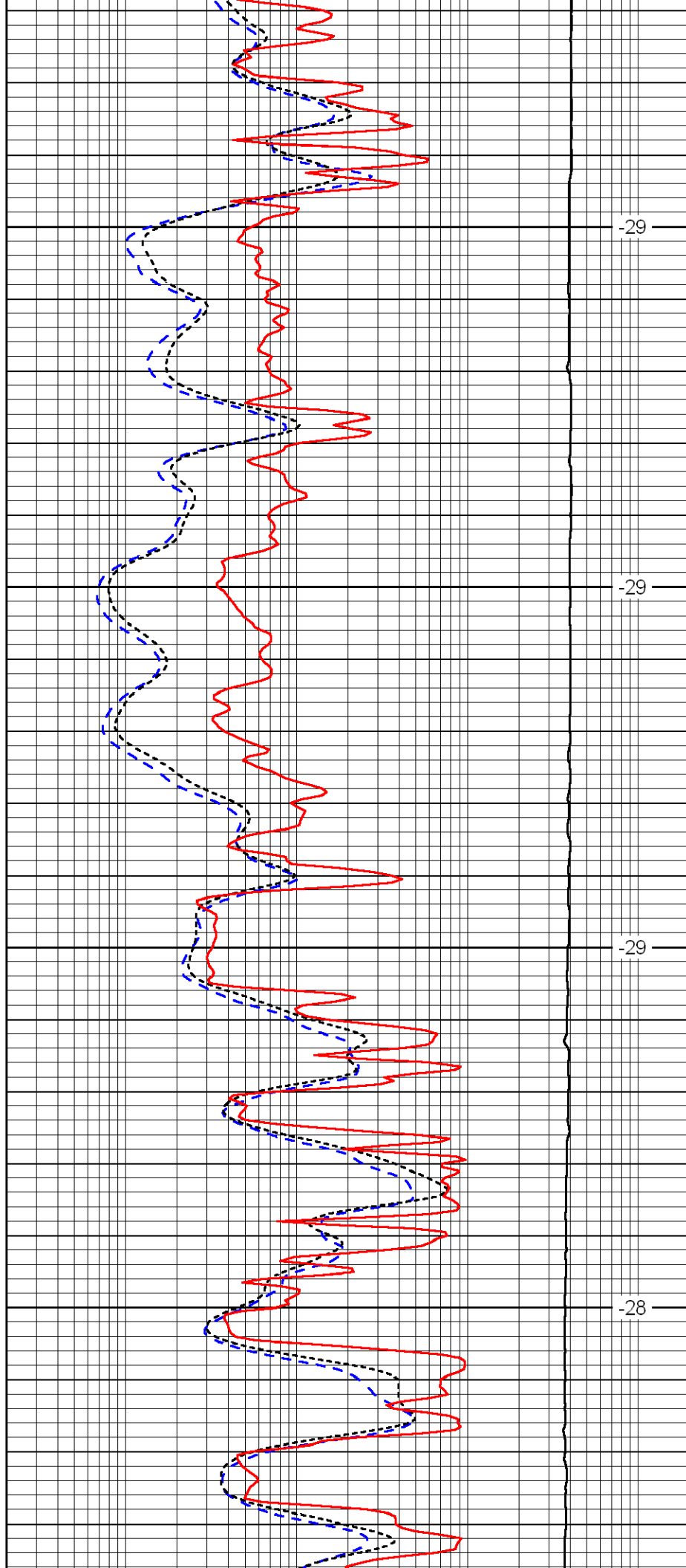


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3600

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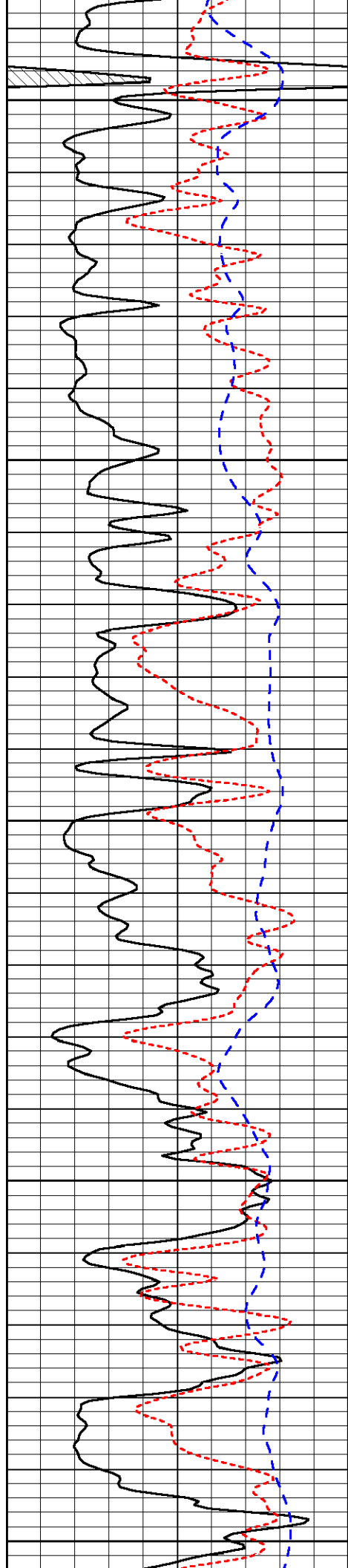


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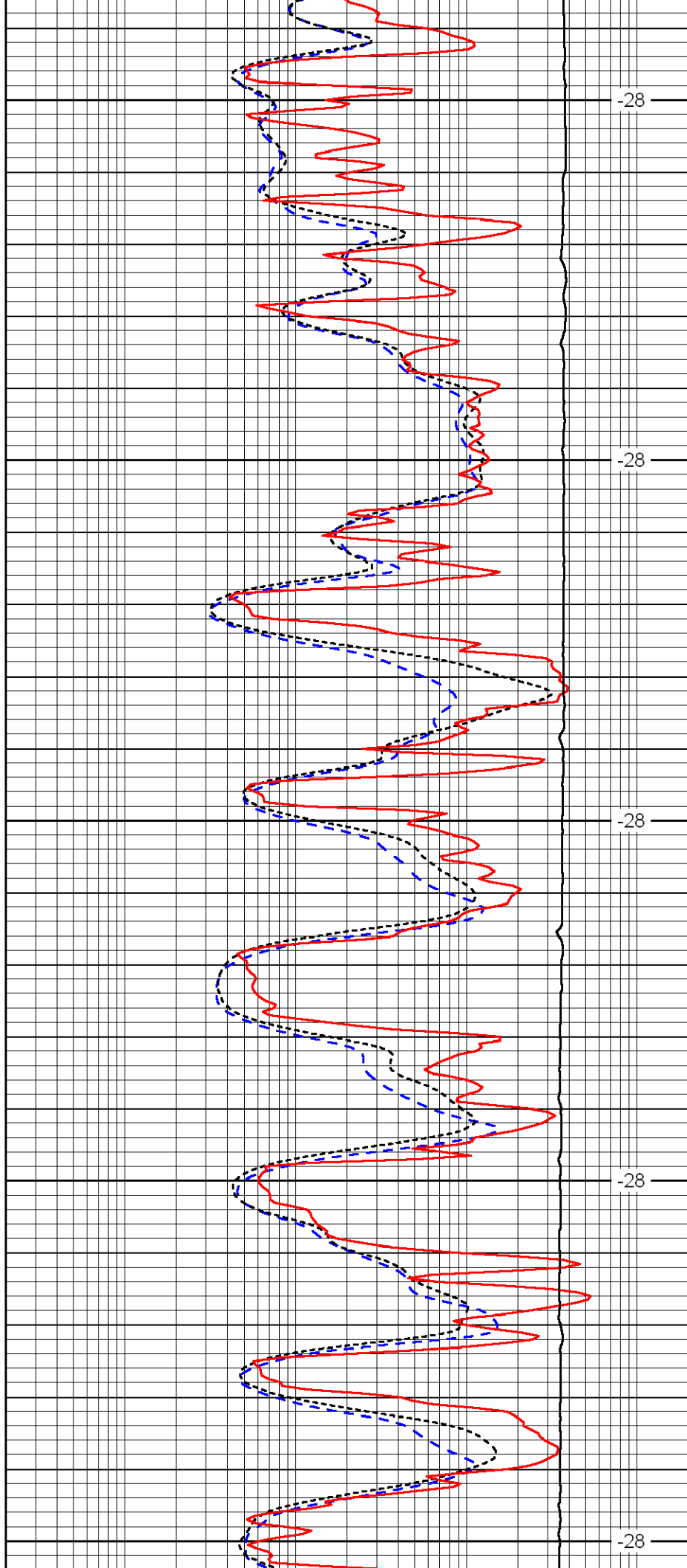
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3750

3800

3850

3900



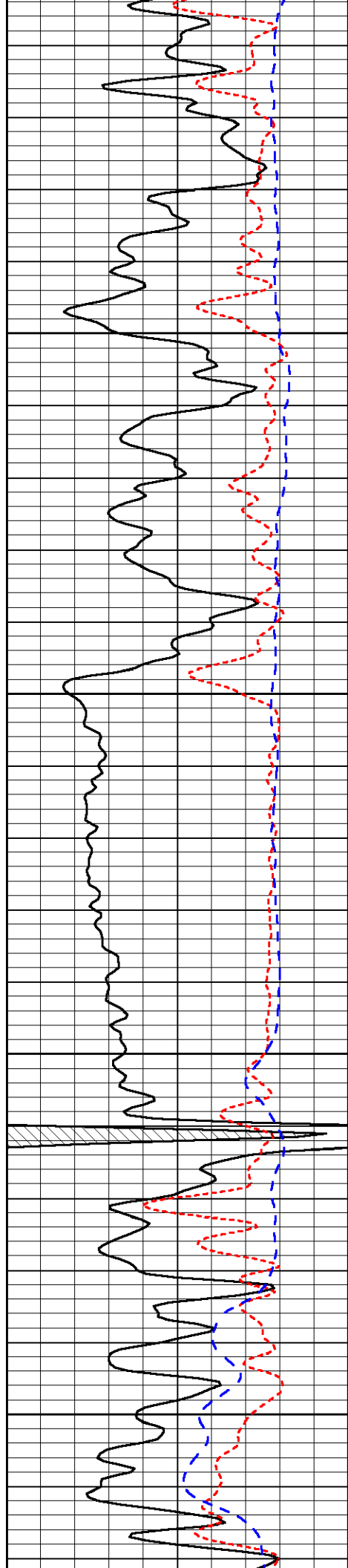
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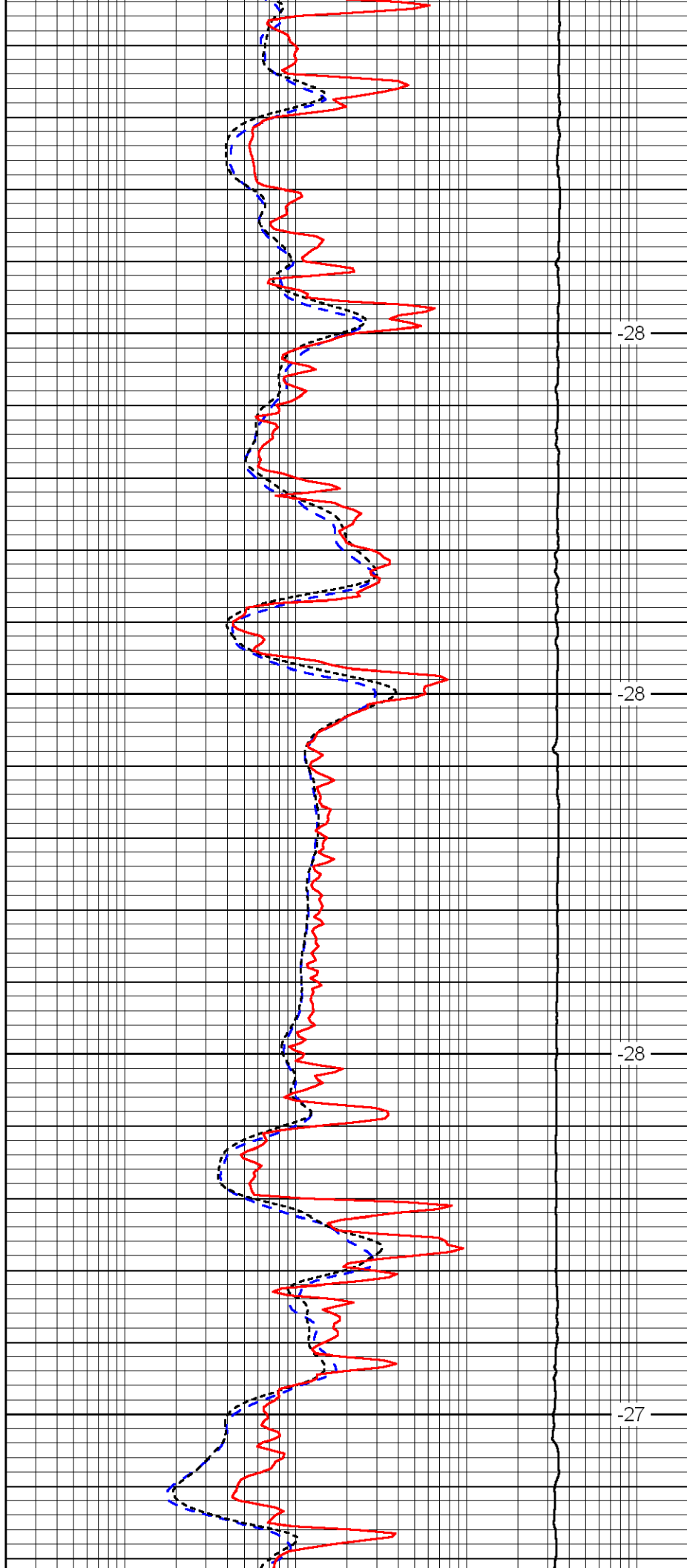


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4100

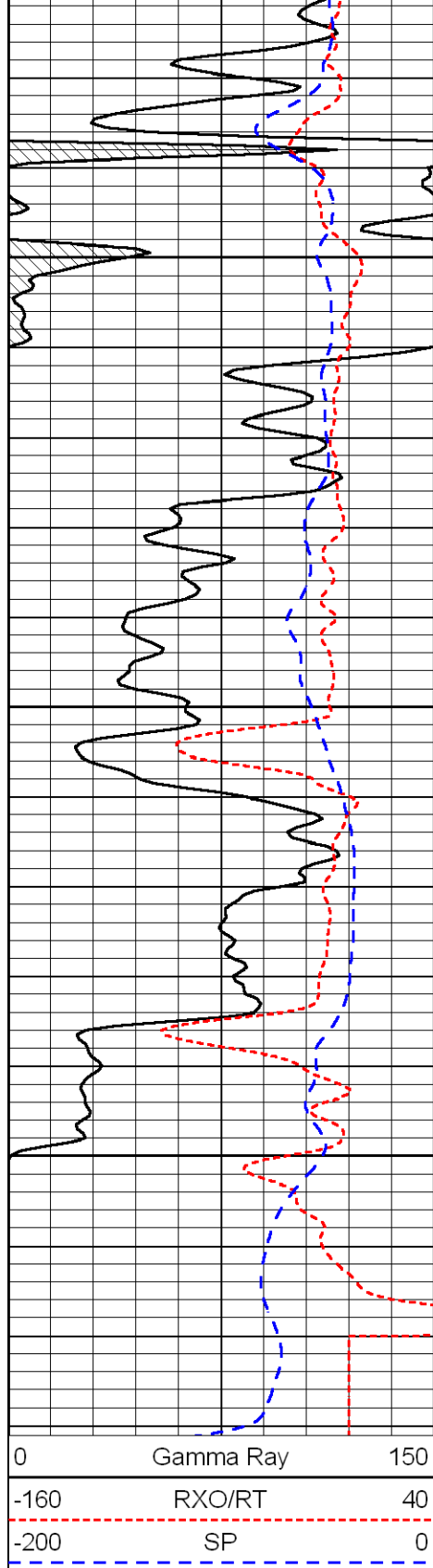


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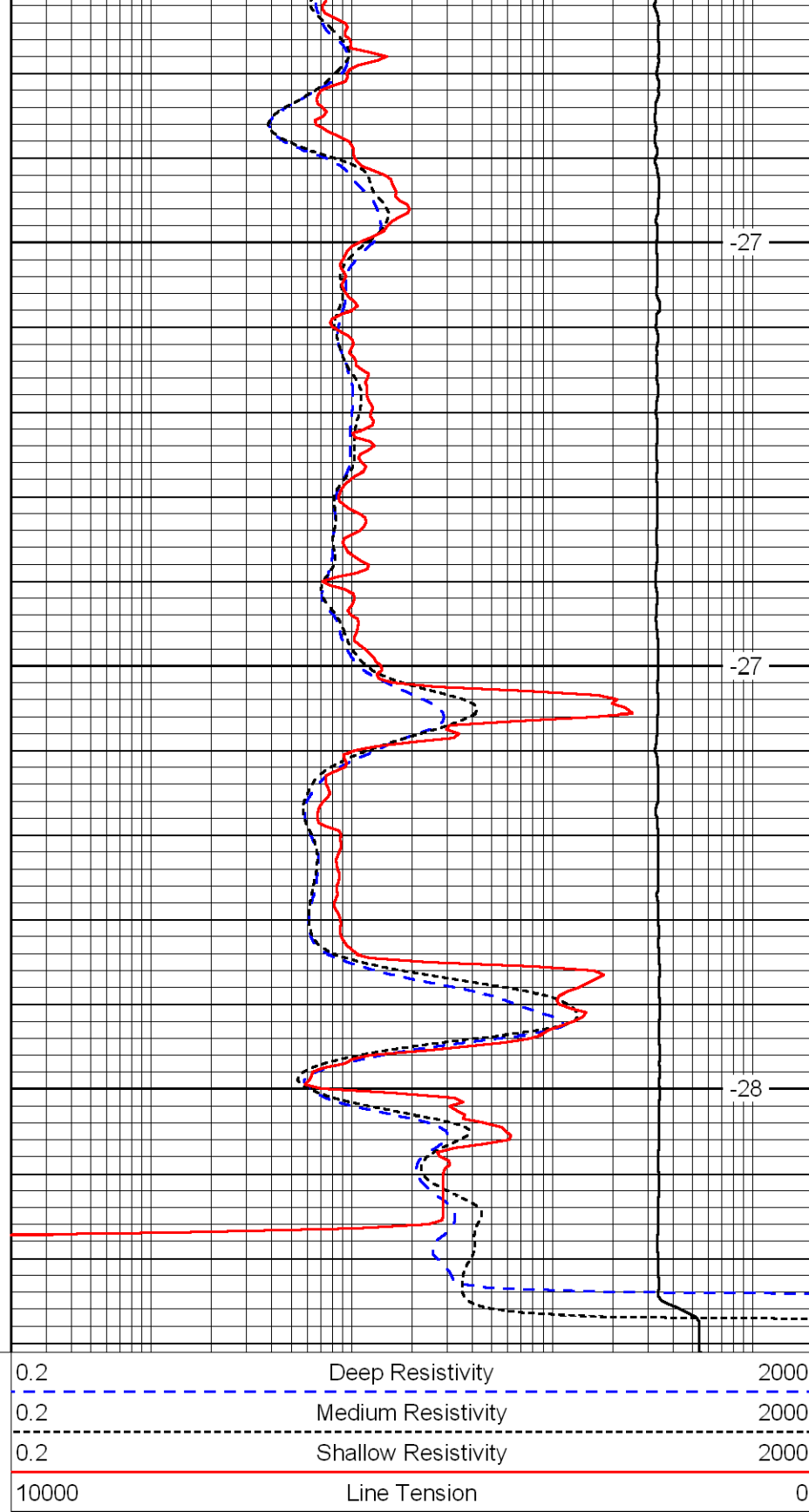
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4150

4200

4250



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-27

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LSPD