

LOG-TECH



Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No.

15-015-23,929-00-00

Company Range Oil Company, Inc.

Well Barkus No. 1

Field Reynolds-Schaffer

County Butler State Kansas

Location 2,190' FNL & 2,310' FEL

Other Services
CNL/CDL

Sec: 16 Twp: 27S Rge: 6E

Permanent Datum Ground Level Elevation 1379

Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing K.B. 1389
D.F. 1379
G.L. 1379

Date 12/7/2011

Run Number One

Depth Driller 3122

Depth Logger 3125

Bottom Logged Interval 3124

Top Log Interval 200

Casing Driller 8.625 @ 227

Casing Logger 226

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 1500

Density / Viscosity 9.3 52

pH / Fluid Loss 9.5 7.8

Source of Sample Flowline

Rm @ Meas. Temp 1.50 @ 65

Rmf @ Meas. Temp 1.13 @ 65

Rmc @ Meas. Temp 2.03 @ 65

Source of Rmf / Rmc Charts

Rm @ BHT .91 @ 107

Operating Rig Time 2 1/2 Hours

Max Rec. Temp. F 107

Equipment Number 10

Location Hays

Recorded By J. Long

Witnessed By Roger Martin

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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

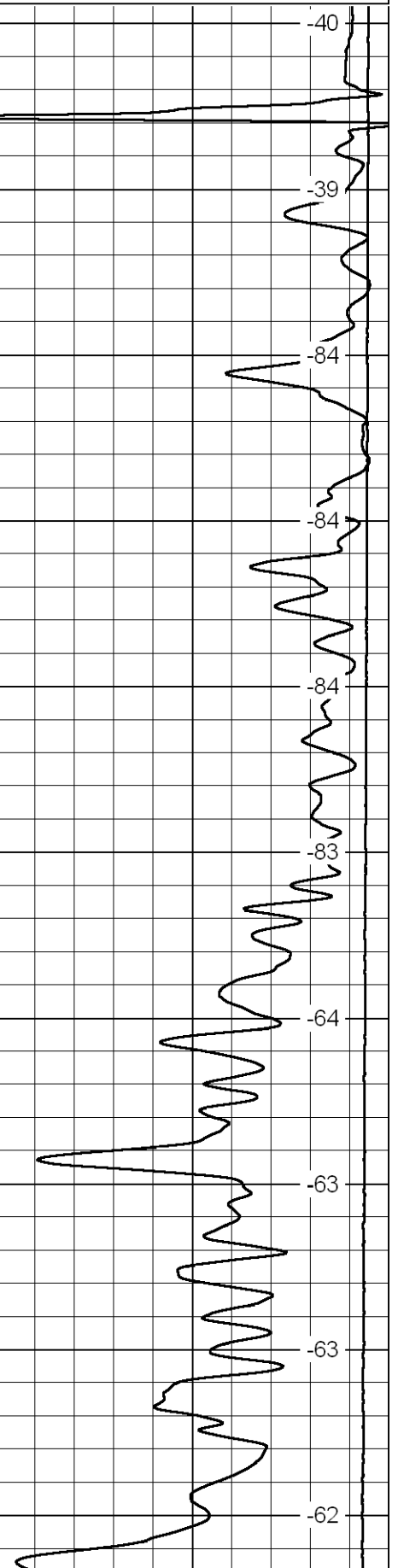
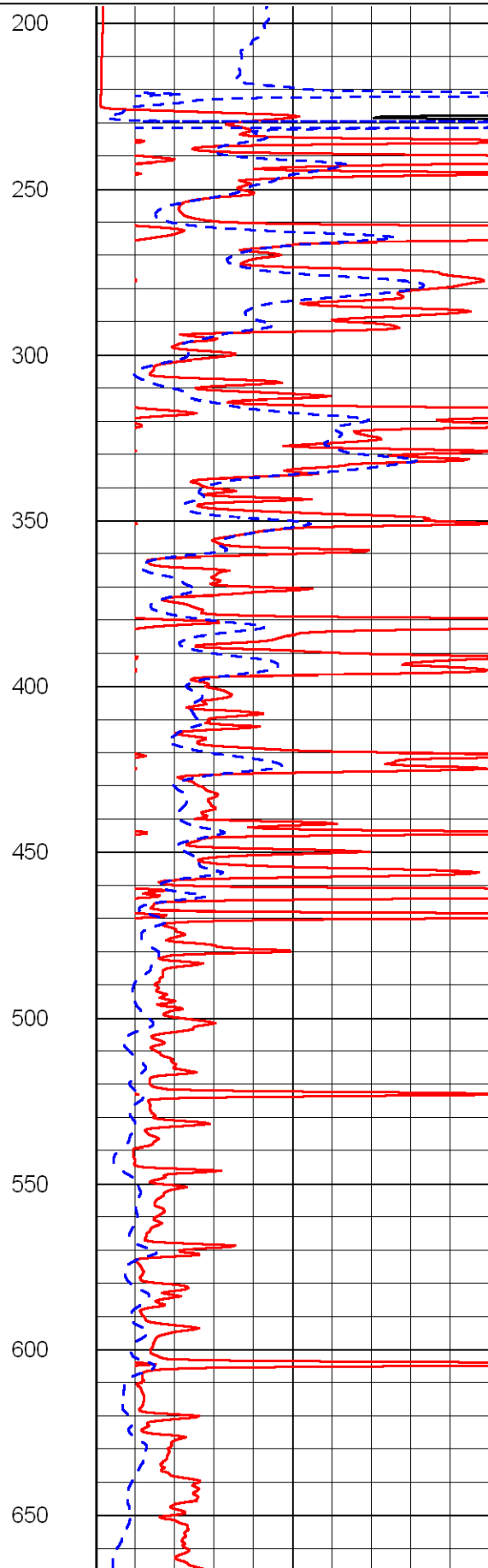
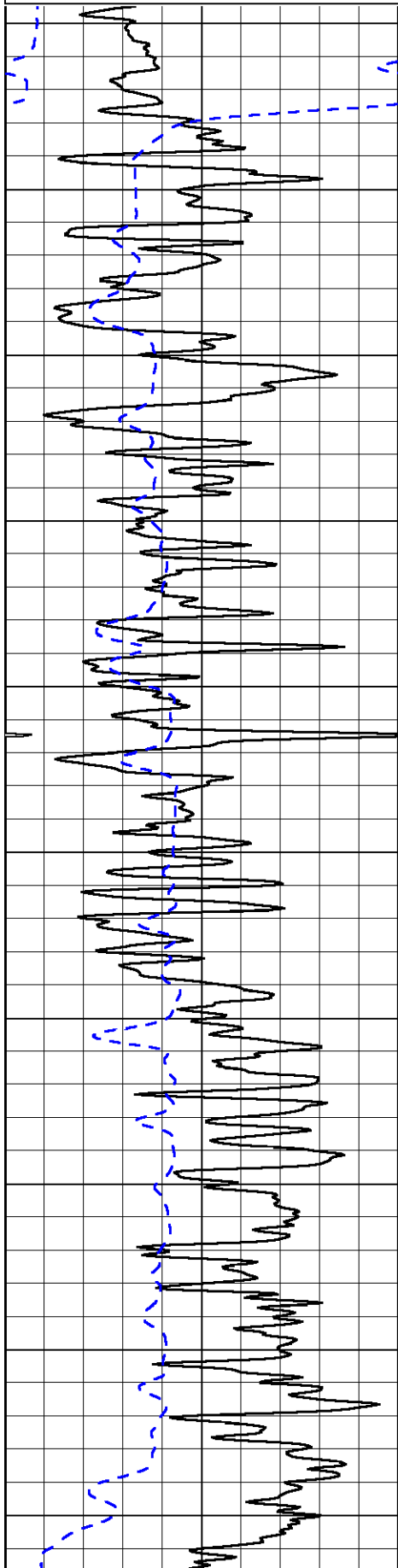
Leon, 2 North on SE Bluestem Road to SE 80th Street, 2/3 East, South Into

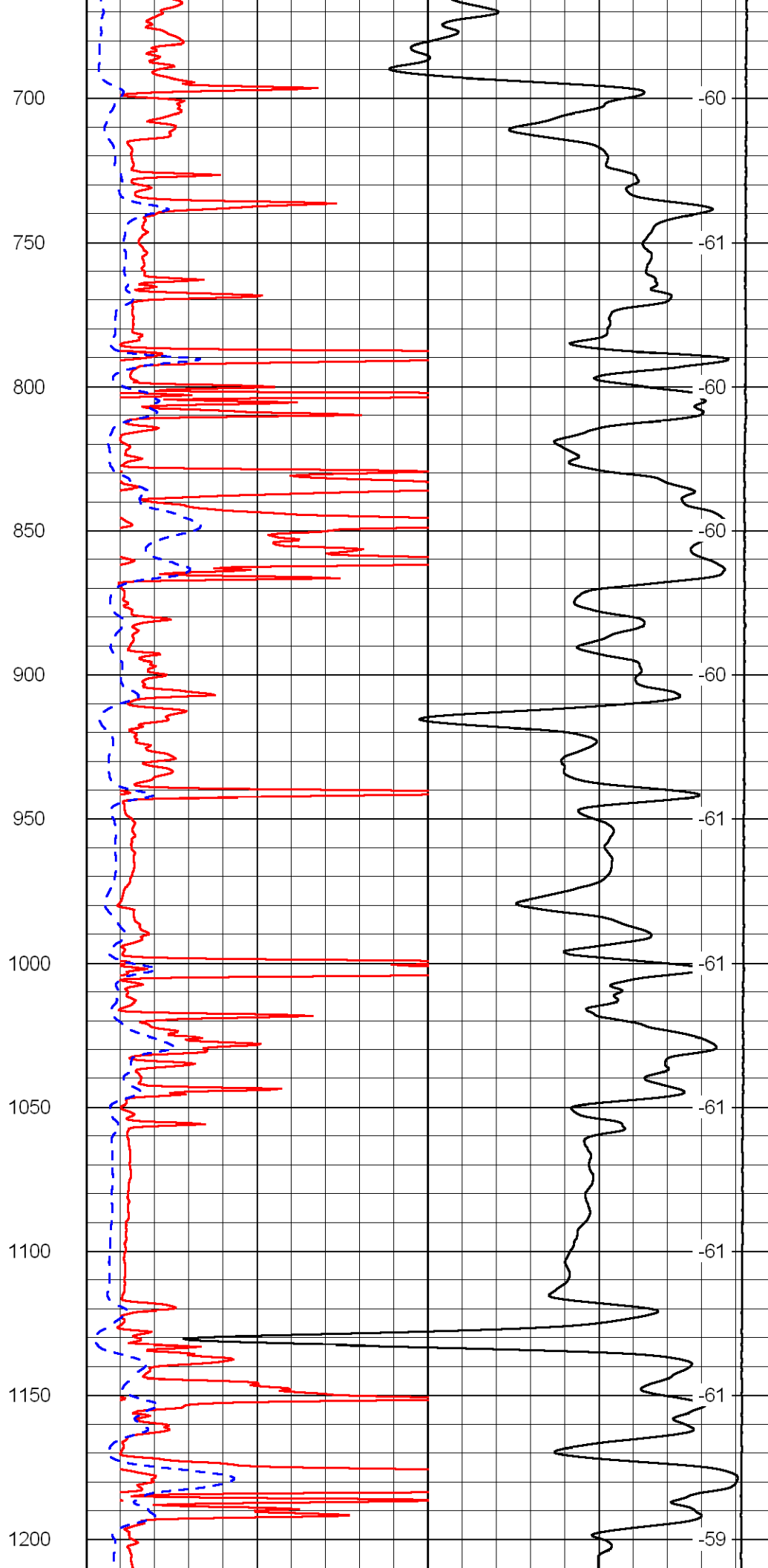
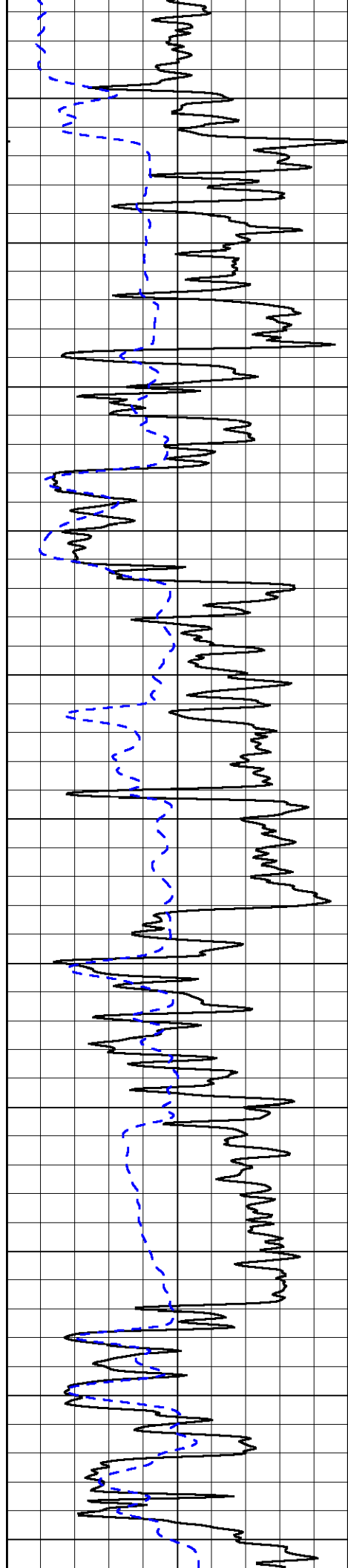
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Presentation Format: dil2in
Dataset Creation: Wed Dec 07 19:26:22 2011
Charted by: Depth in Feet scaled 1:600

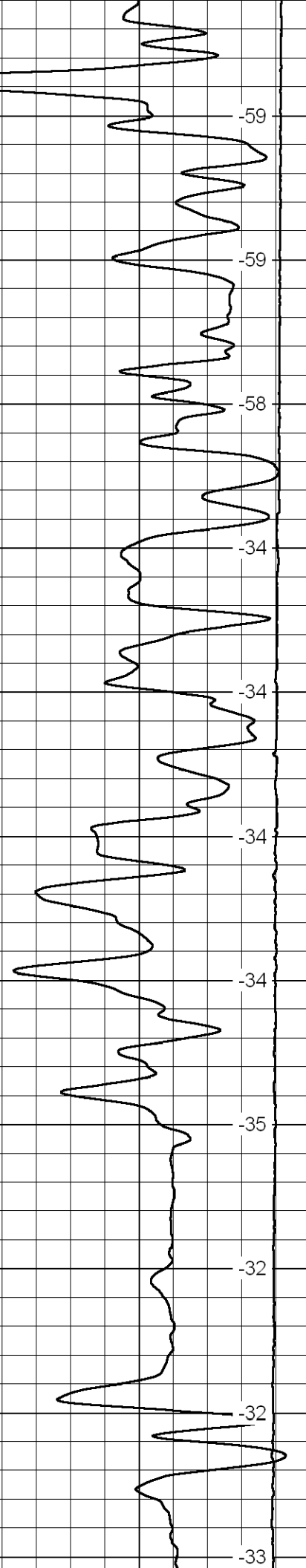
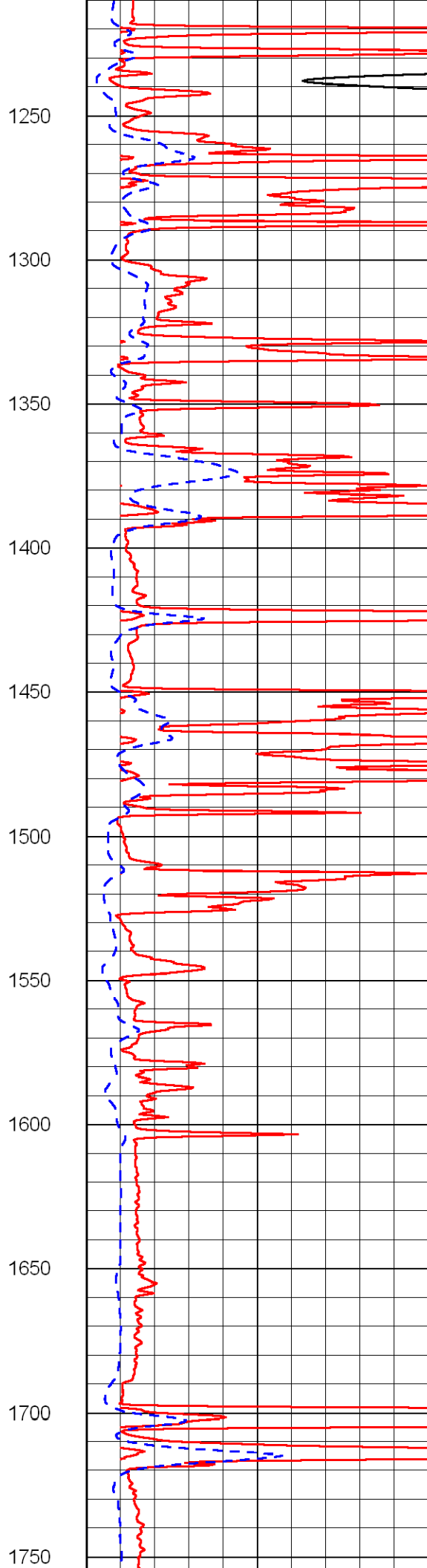
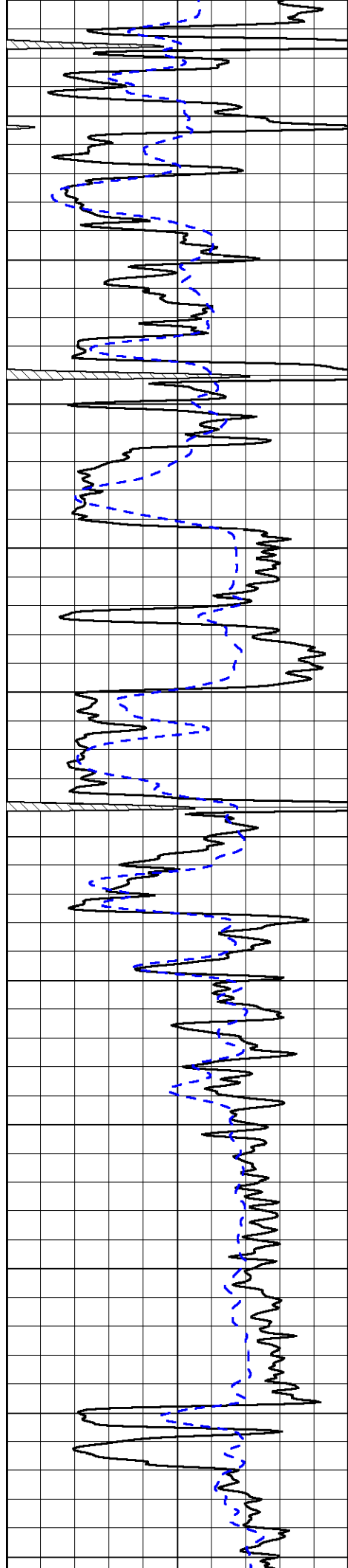
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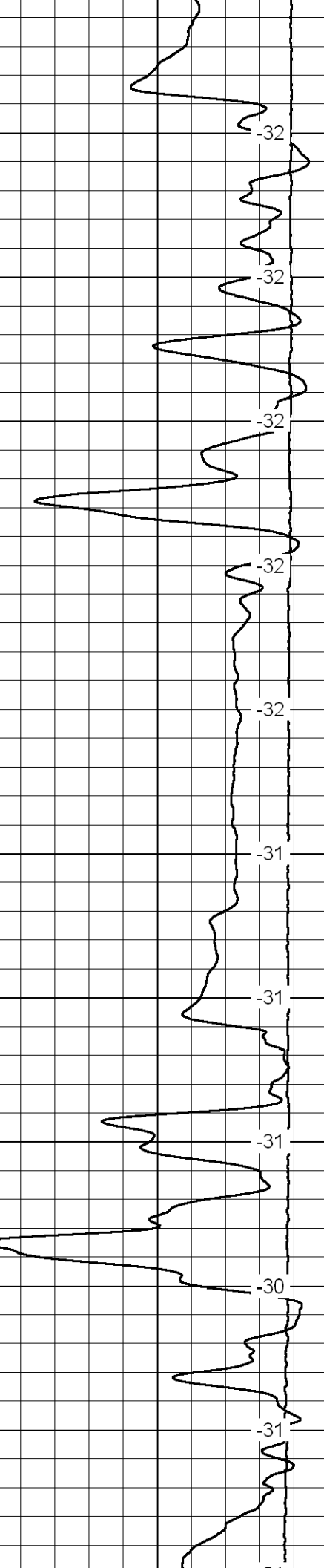
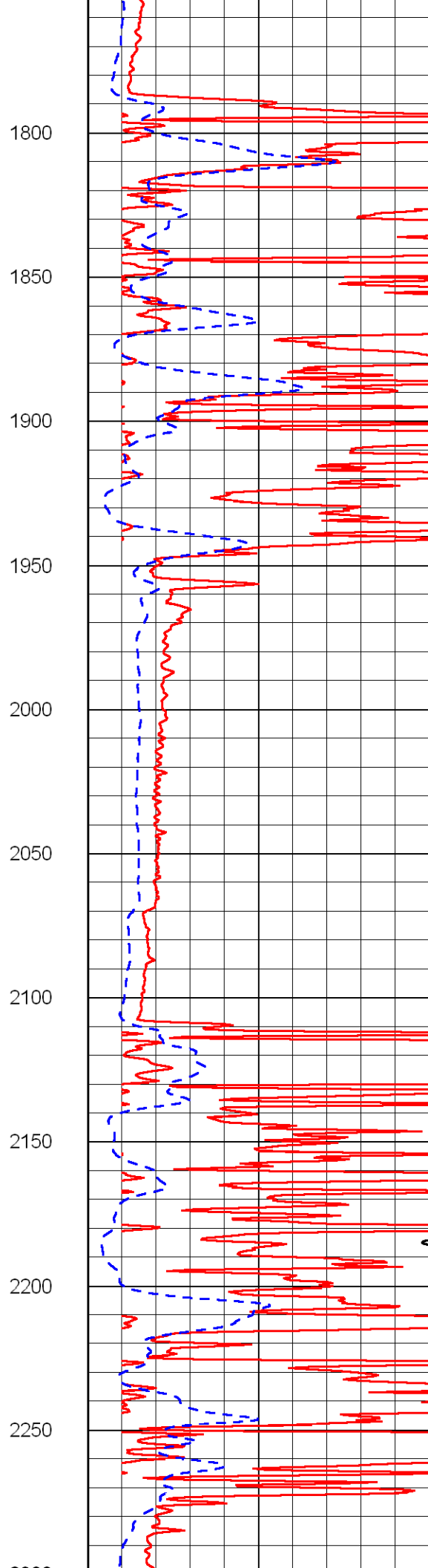
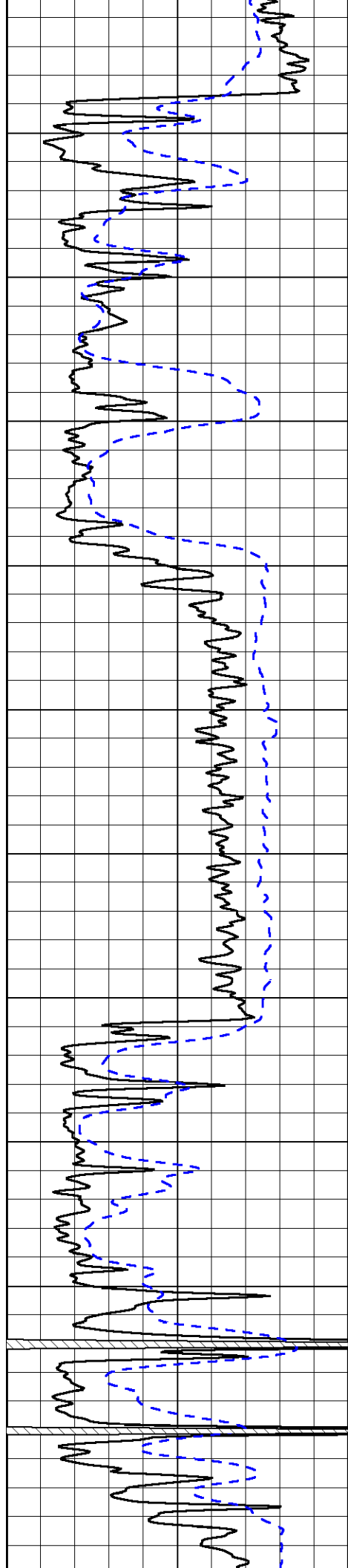
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0

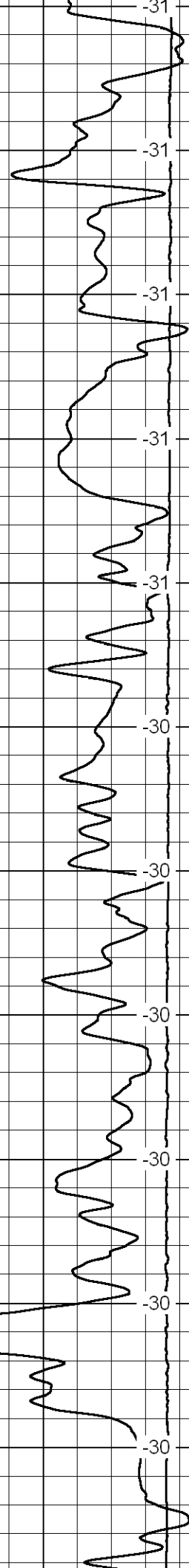
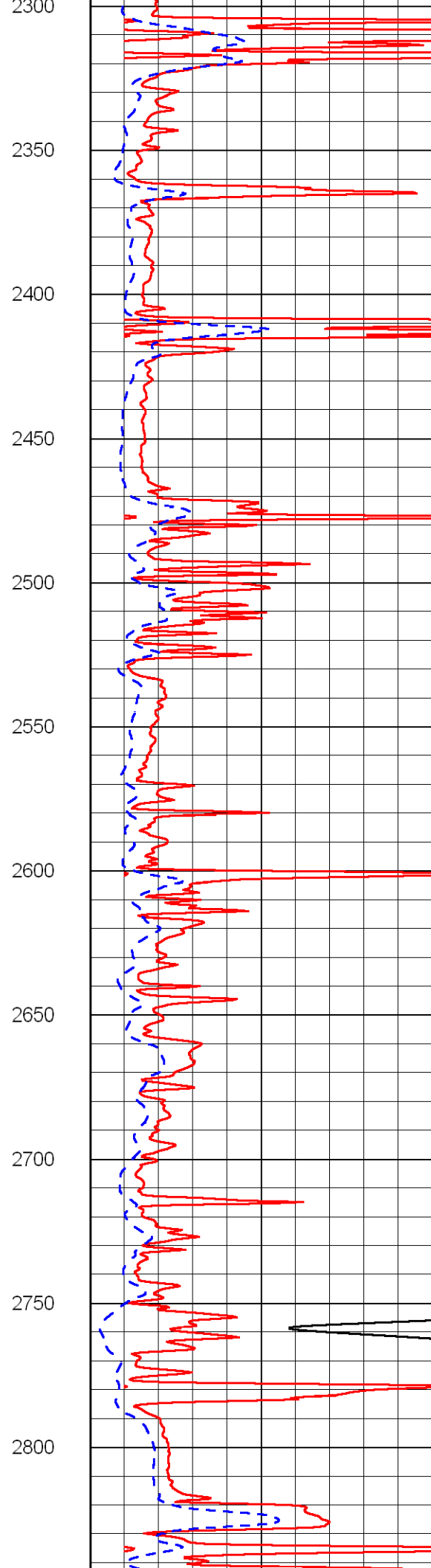
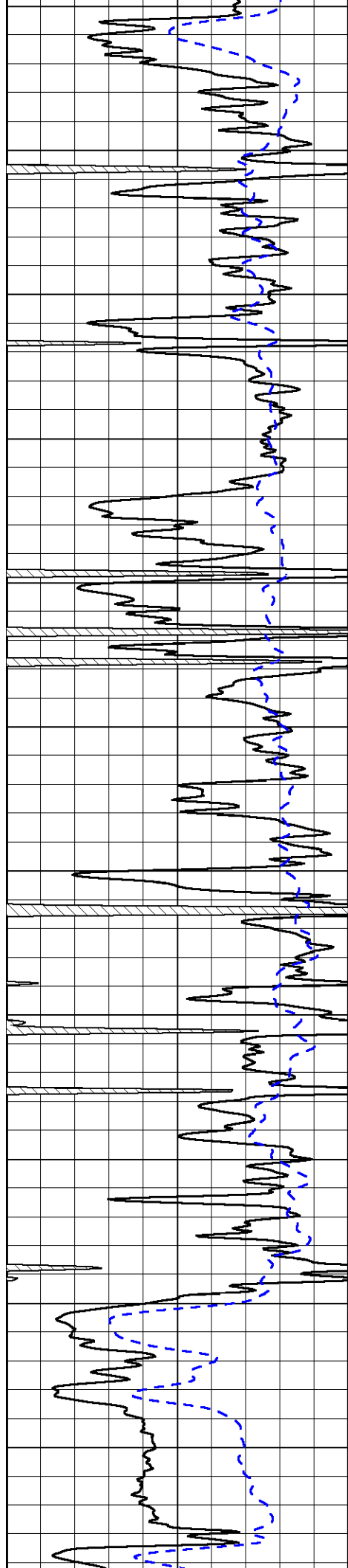
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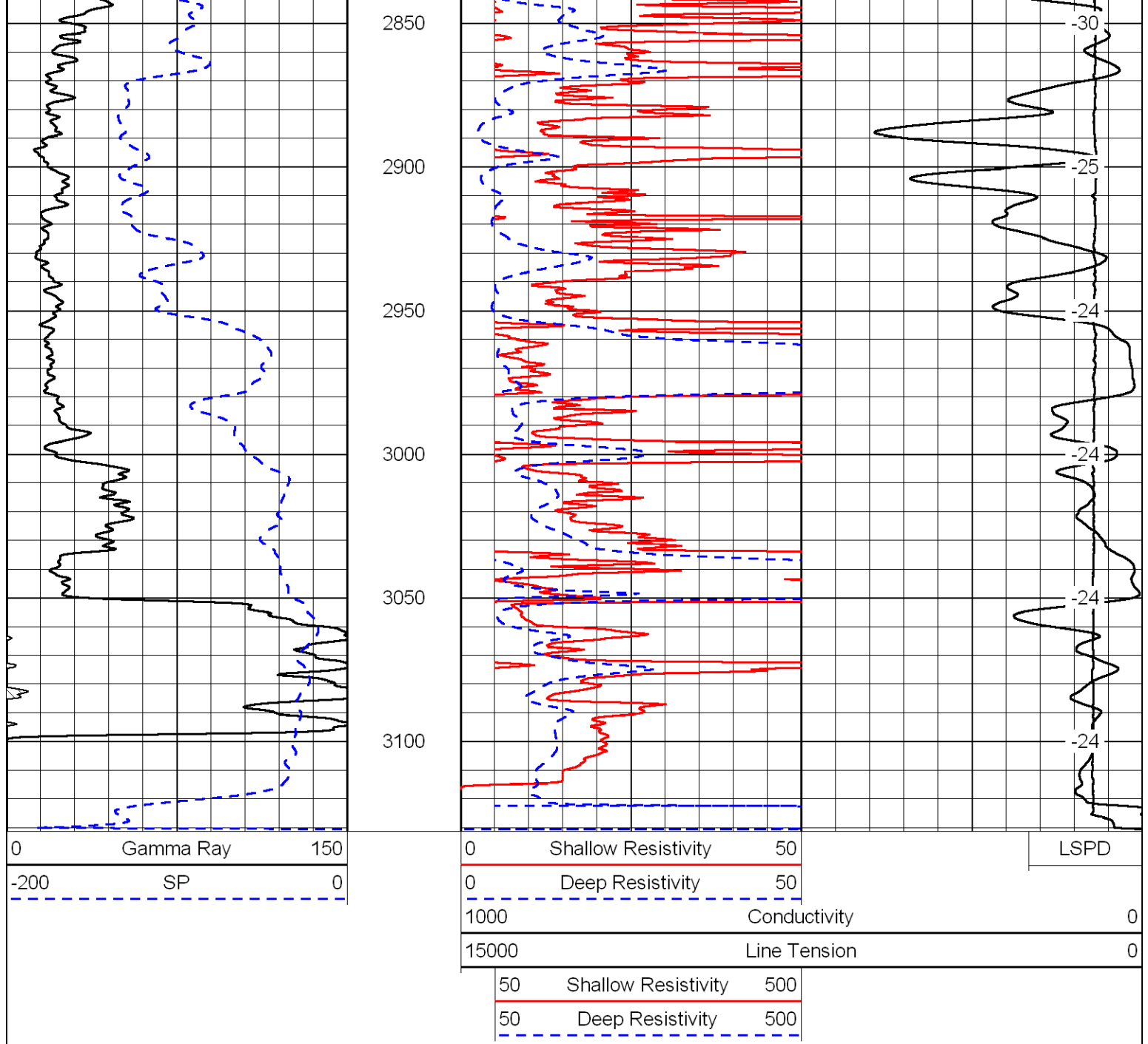




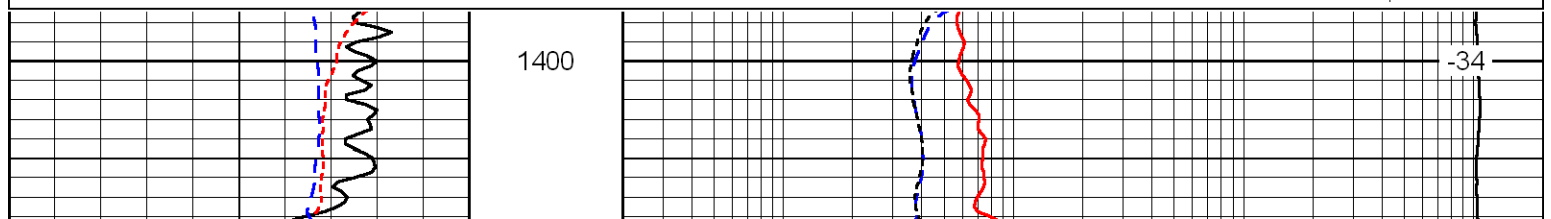
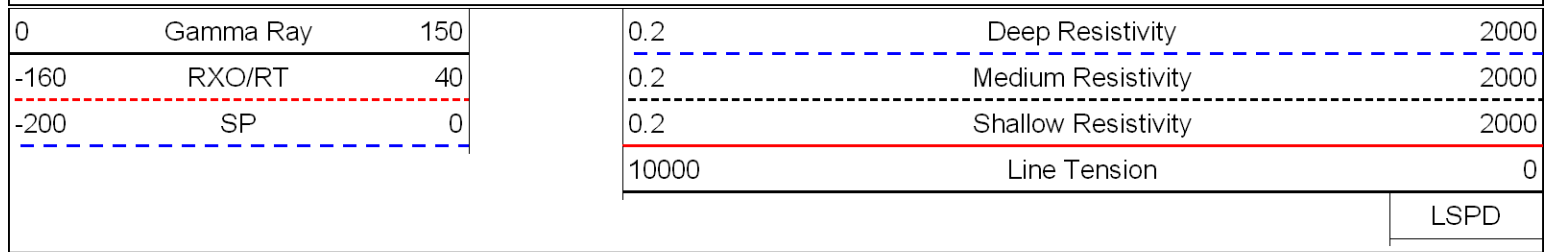


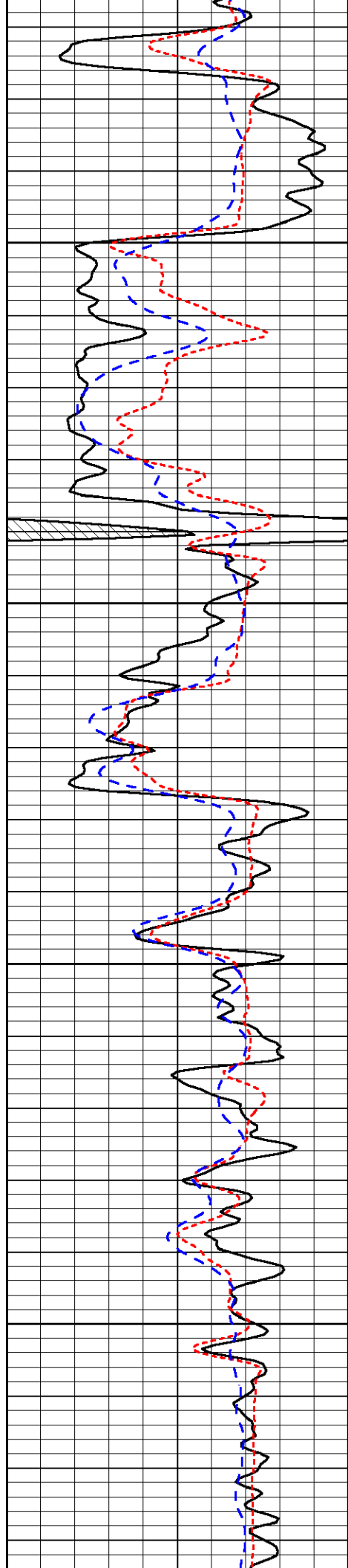






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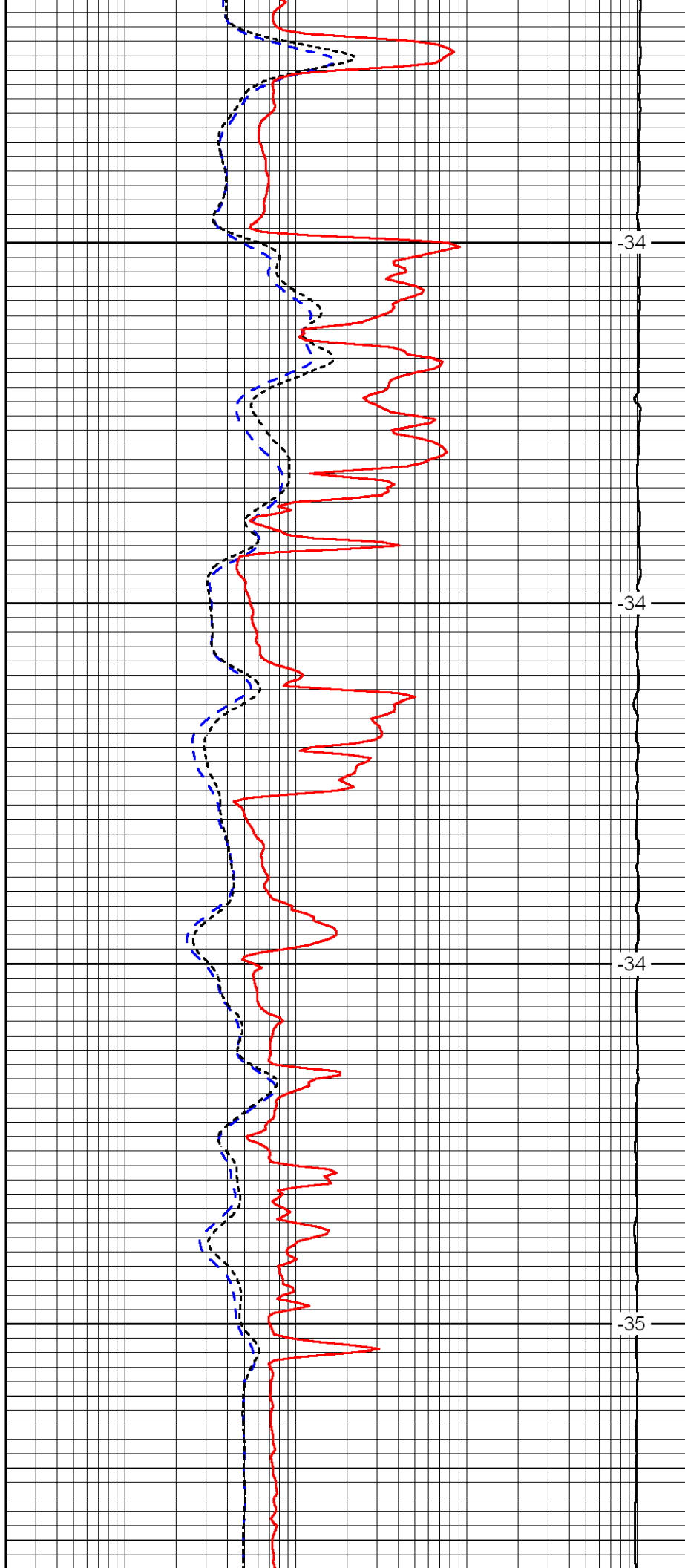


1450

1500

1550

1600

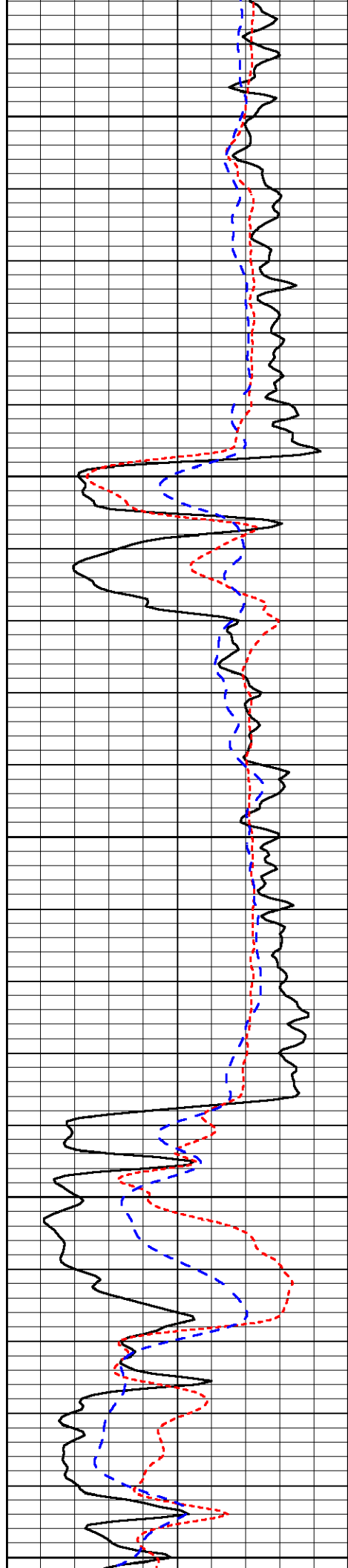


-34

-34

-34

-35



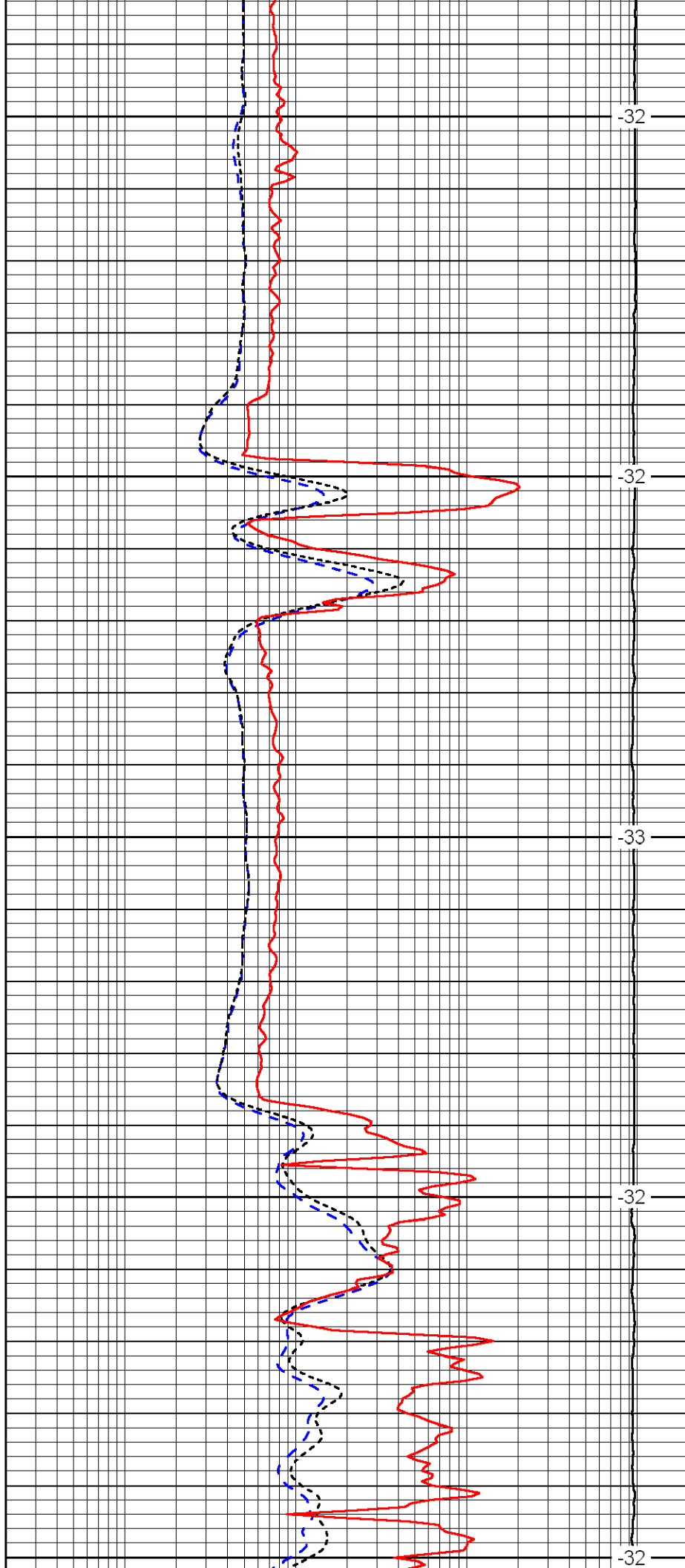
1650

1700

1750

1800

1850



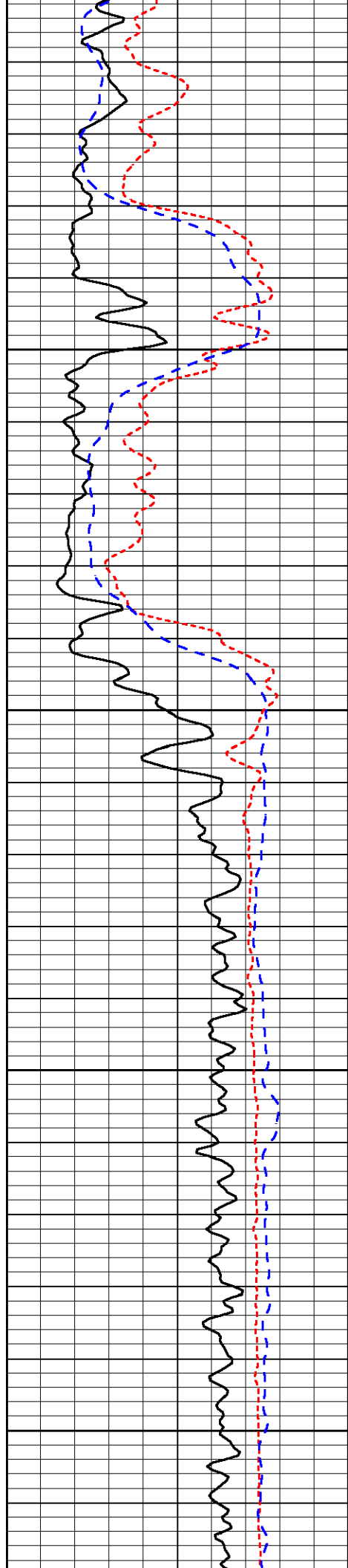
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-33

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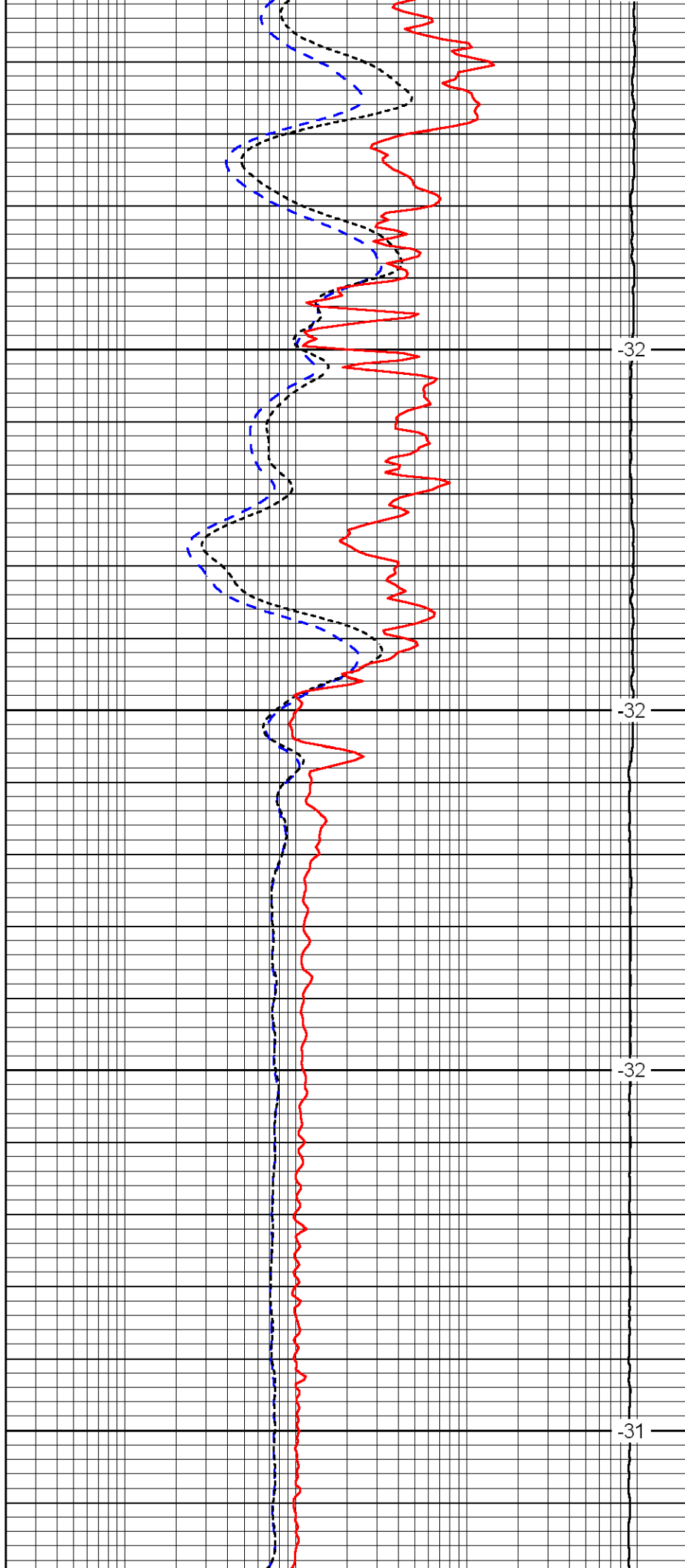


1900

1950

2000

2050

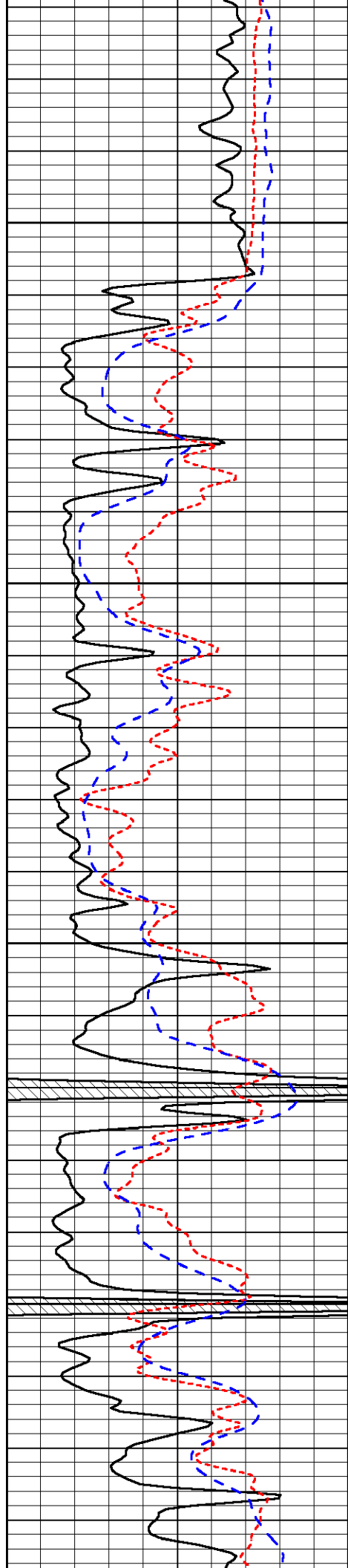


-32

-32

-32

-31

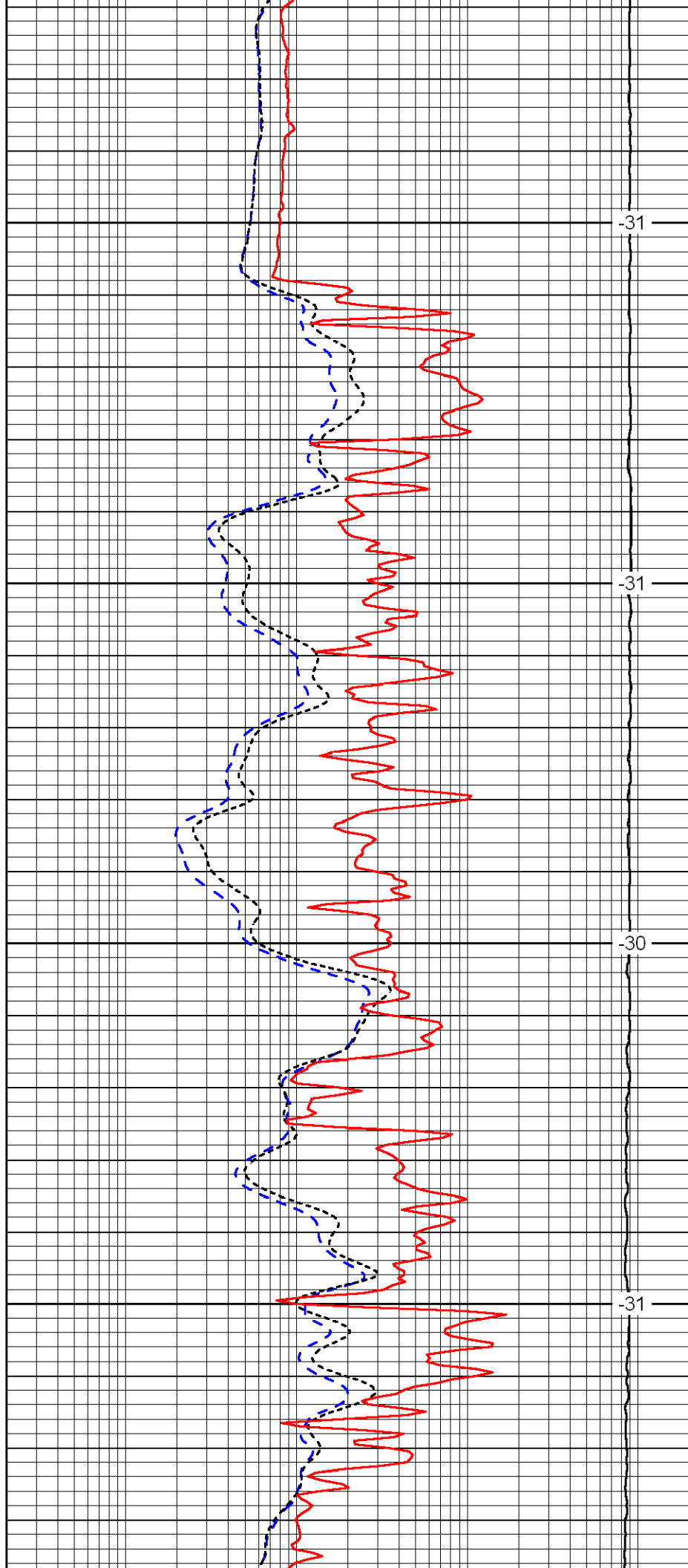


2100

2150

2200

2250

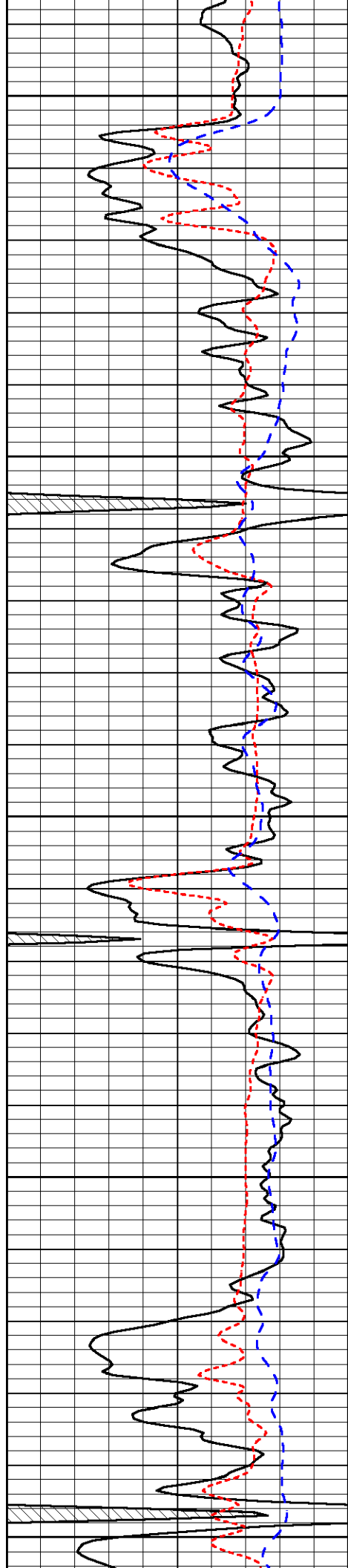


-31

-31

-30

-31



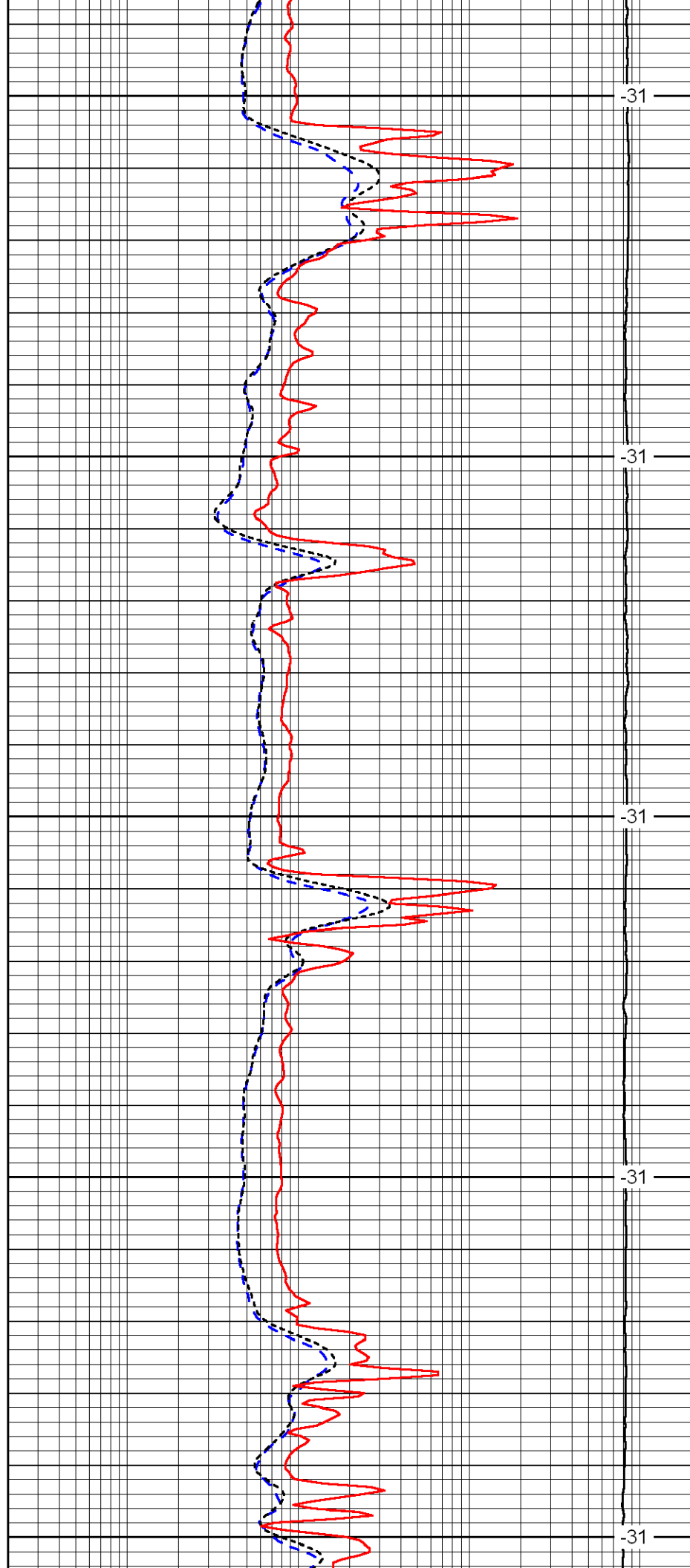
2300

2350

2400

2450

2500



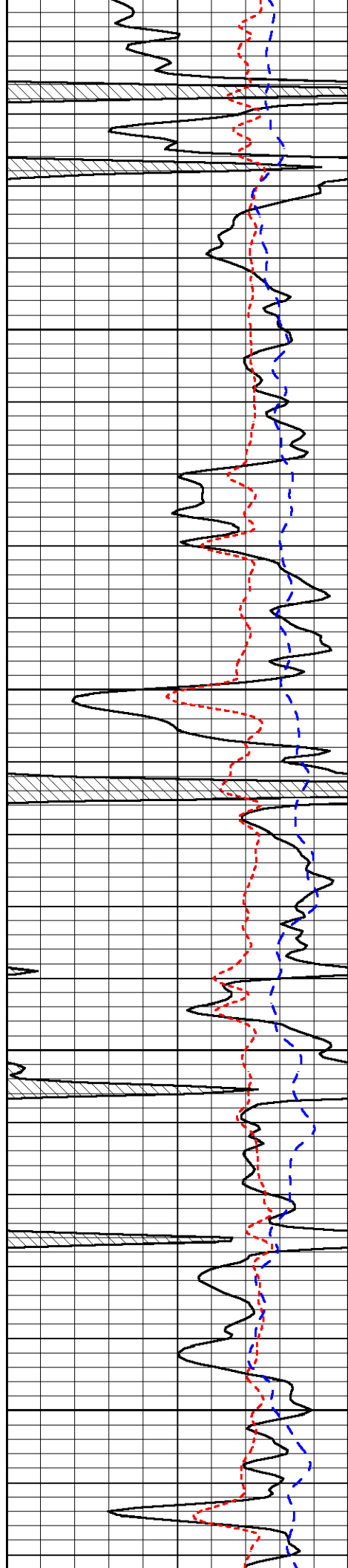
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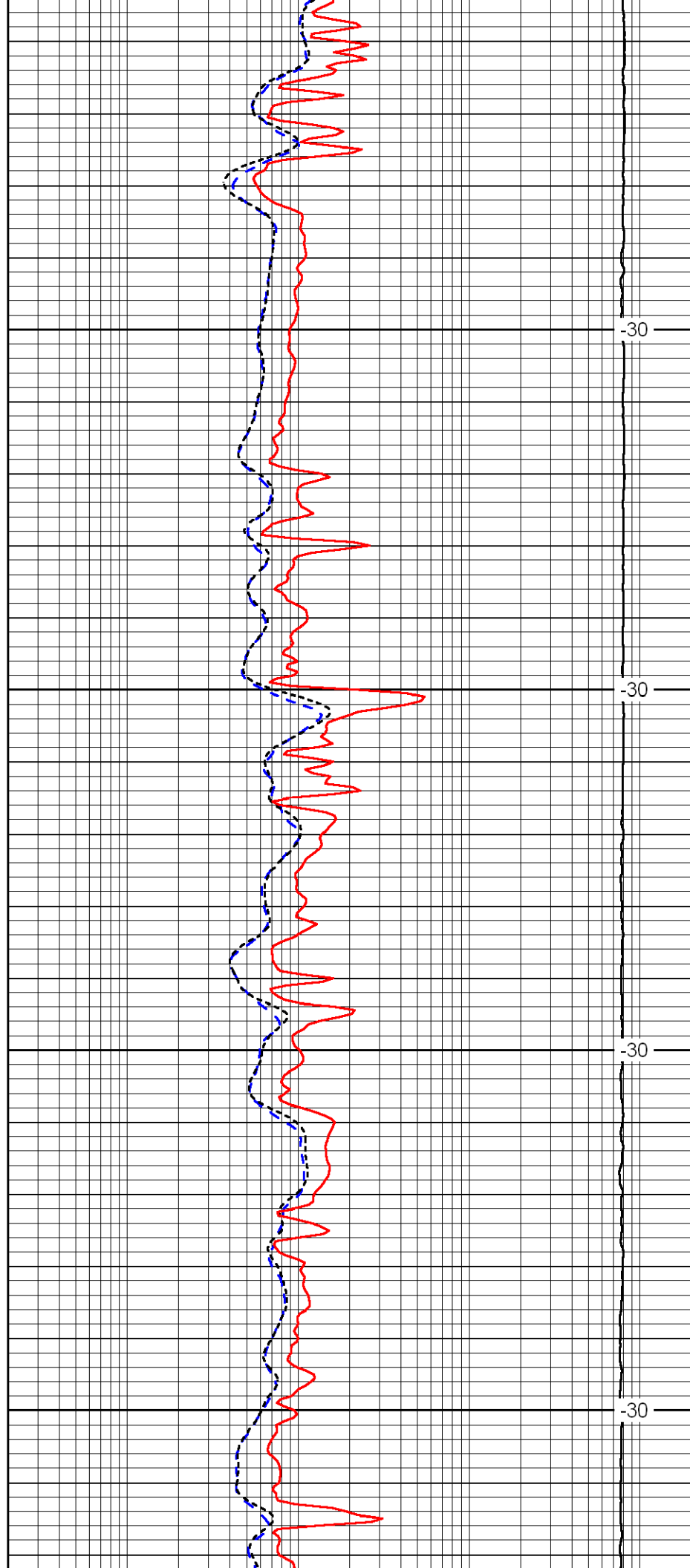


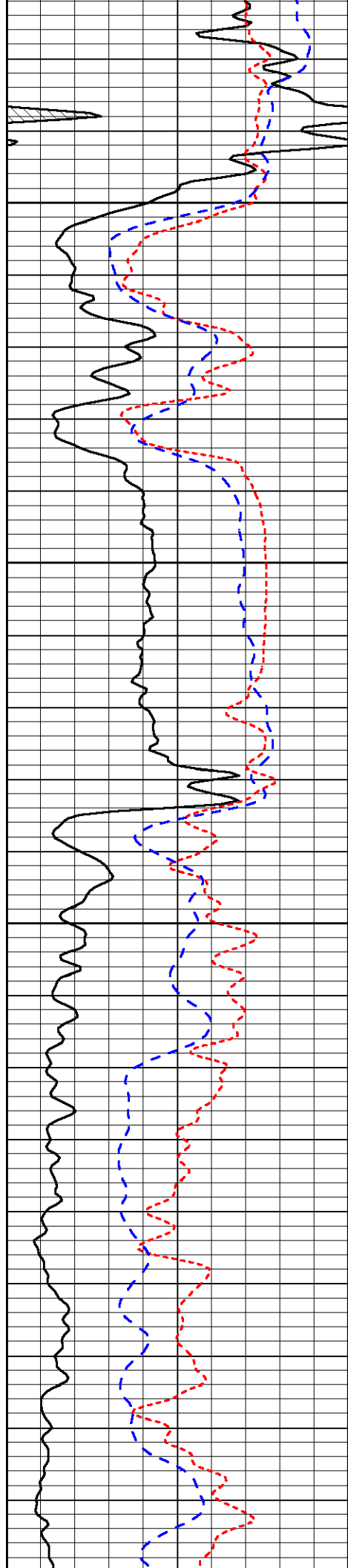
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2600

2650

2700



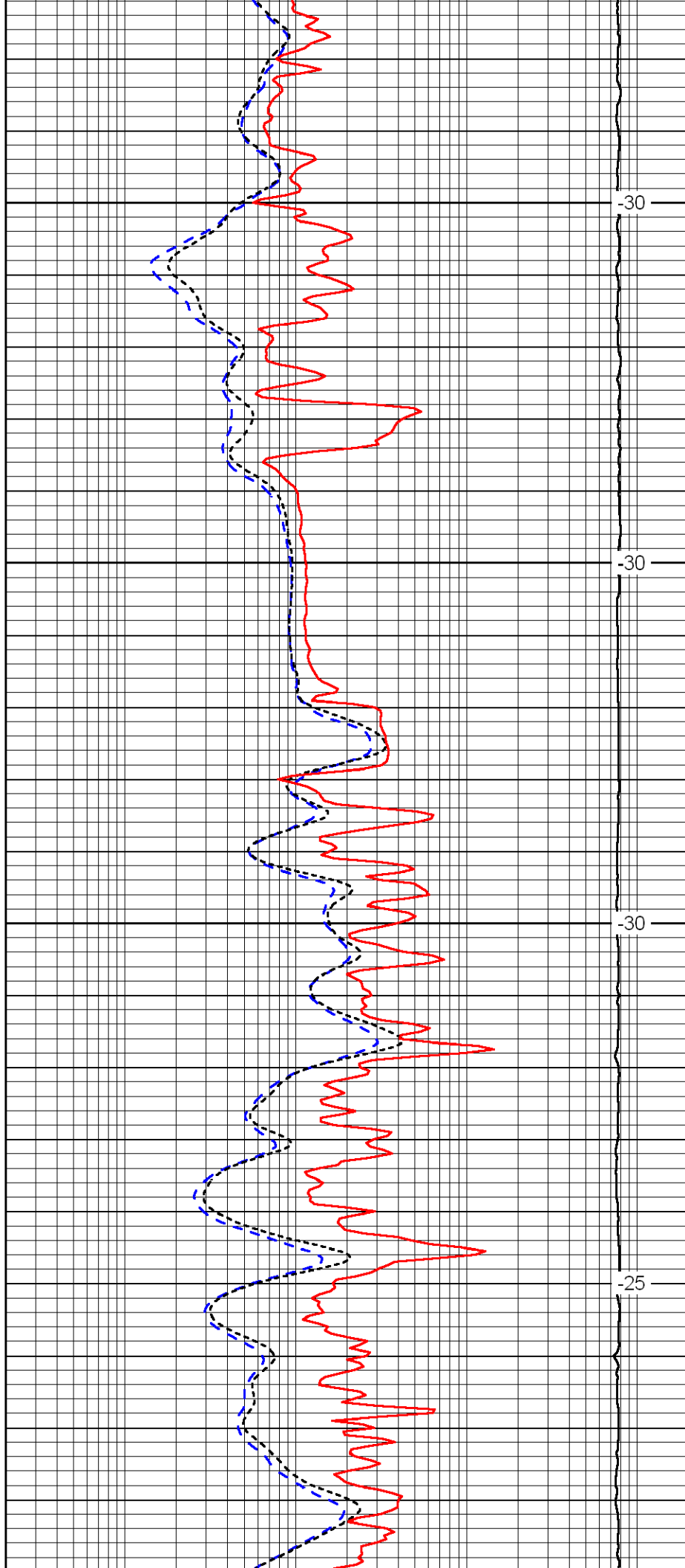


2750

2800

2850

2900

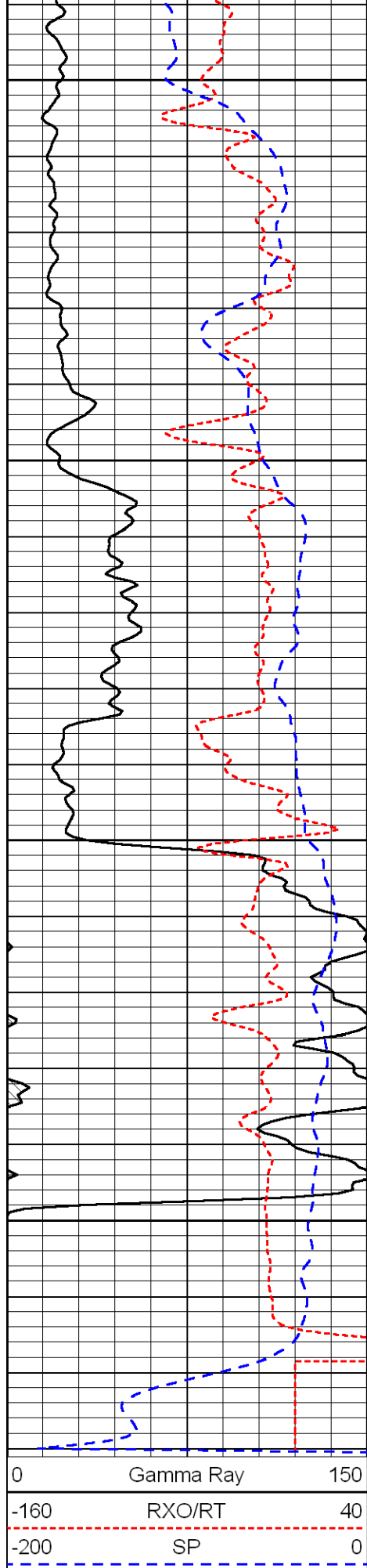


-30

-30

-30

-25



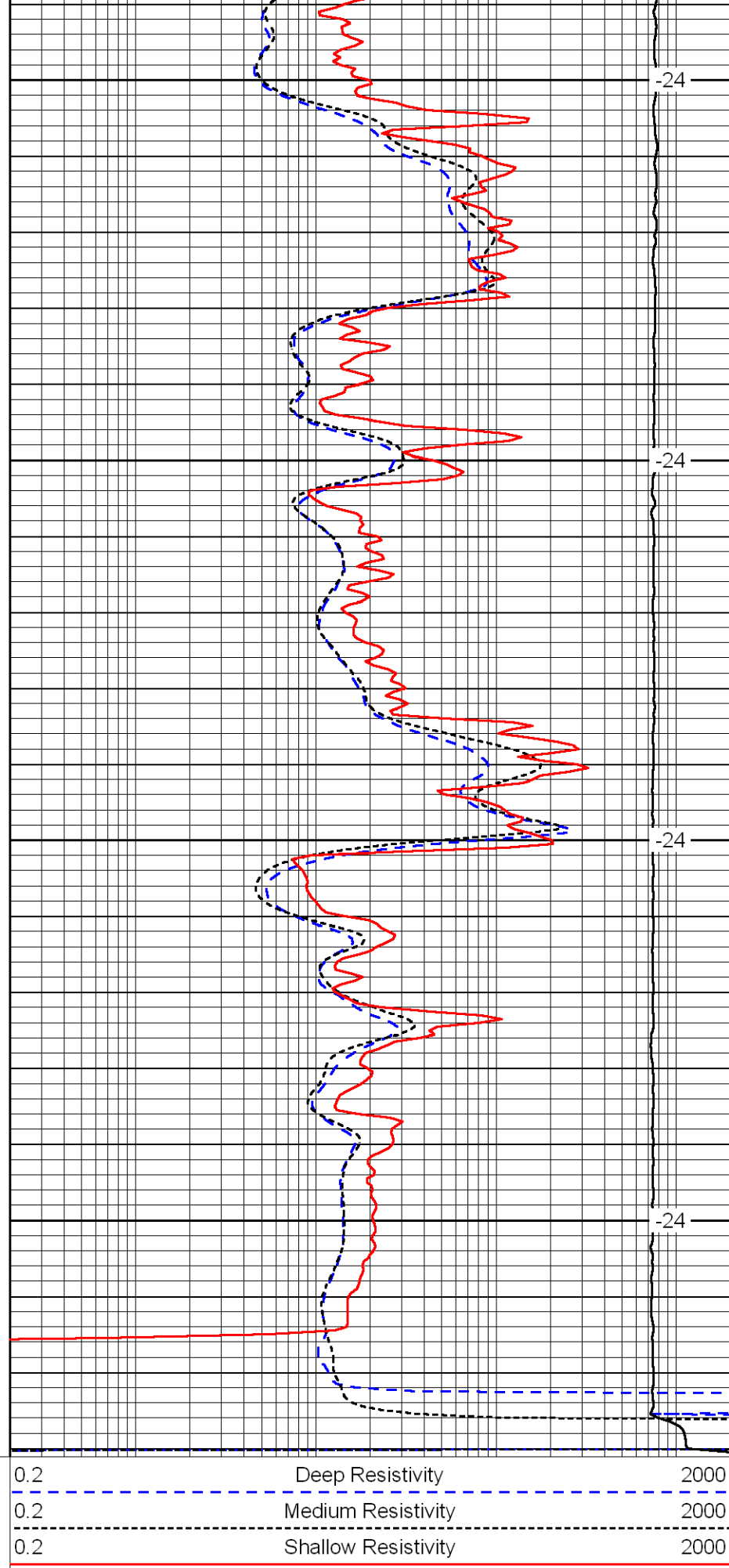
2950

3000

3050

3100

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0



2950

3000

3050

3100

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0