



Dual Induction Log

Pioneer Energy Services

API No.

15-167-23,819-00-00

Company **Roberts Resources, Inc.**

Well **Beran-Trapp #1-7**

Field

County **Russell** State **Kansas**

Location **1859' FNL & 802' FEL**

Sec: **7** Twp: **12 S** Rge: **13 W**

Other Services
CNL/CDL
MEL

Elevation

Permanent Datum **Ground Level** Elevation **1614**
Log Measured From **Kelly Bushing** 10 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

K.B. 1624
D.F. 1614
G.L. 1614

Date **9/5/2012**

Run Number **One**

Depth Driller **3450**

Depth Logger **3449**

Bottom Logged Interval **3448**

Top Log Interval **400**

Casing Driller **8.625 @ 441**

Casing Logger **438**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity, ppm CL **9200**

Density / Viscosity **9.4 51**

pH / Fluid Loss **10.5 9.2**

Source of Sample **Flowline**

Rm @ Meas. Temp **.22 @ 82**

Rmf @ Meas. Temp **.17 @ 82**

Rmc @ Meas. Temp **.30 @ 82**

Source of Rmf / Rmc **Charts**

Rm @ BHT **.16 @ 111**

Operating Rig Time **4 Hours**

Max Rec. Temp. F **111**

Equipment Number **17**

Location **Hays**

Recorded By **D. Martin**

Witnessed By **Kent Roberts**

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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 Pioneer Energy Services
www.pioneerres.com
785 625 3858

Russell, KS
9 N to Beatty Rd., 2 3/4 E, N Into

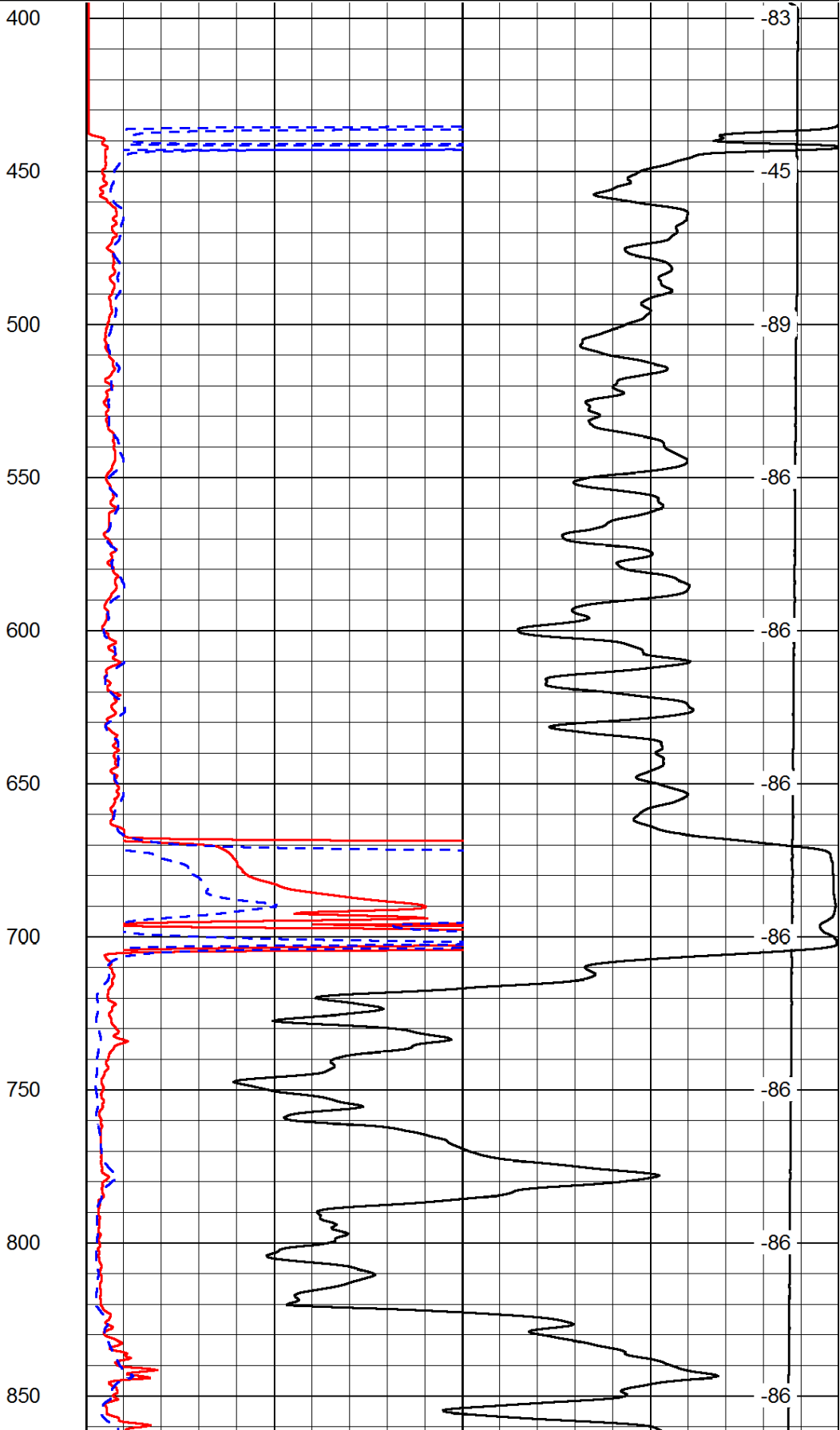
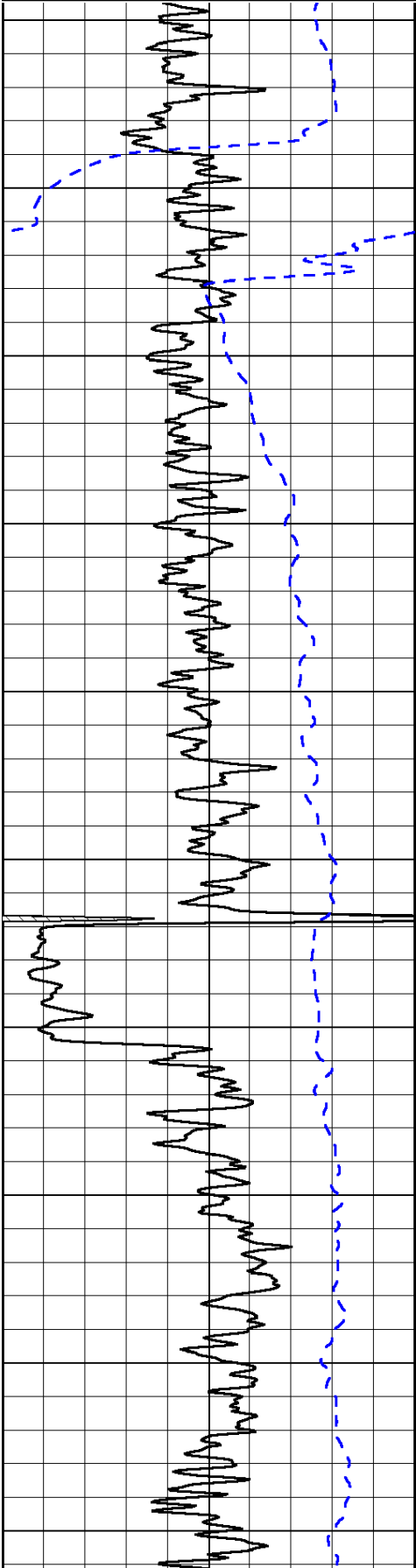
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Dataset Creation: Wed Sep 05 21:36:24 2012
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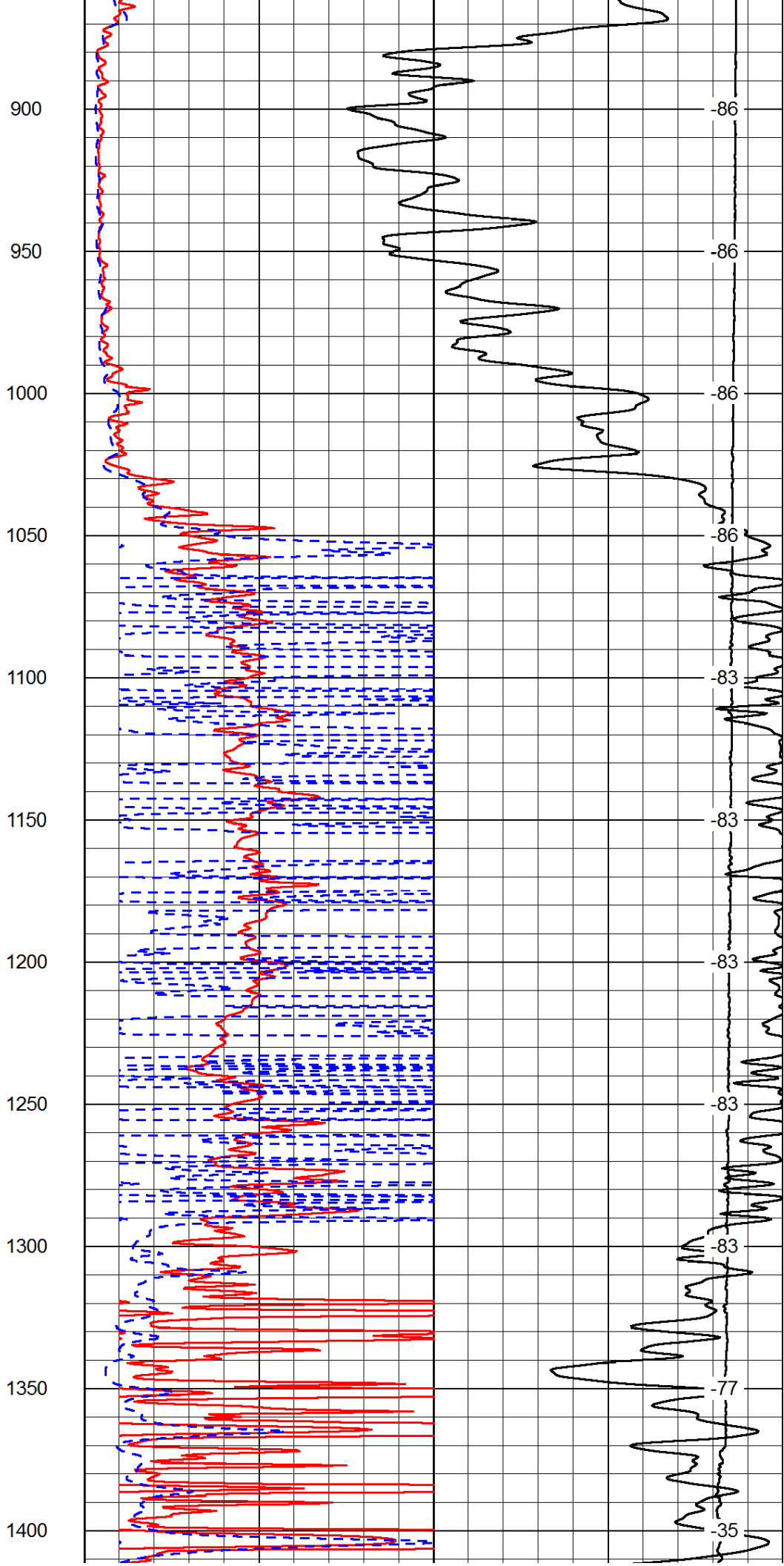
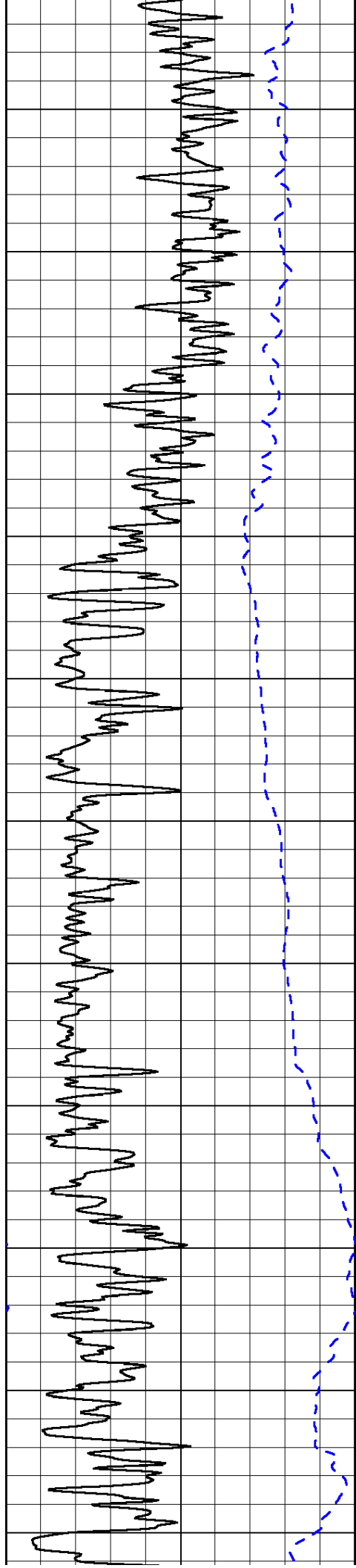
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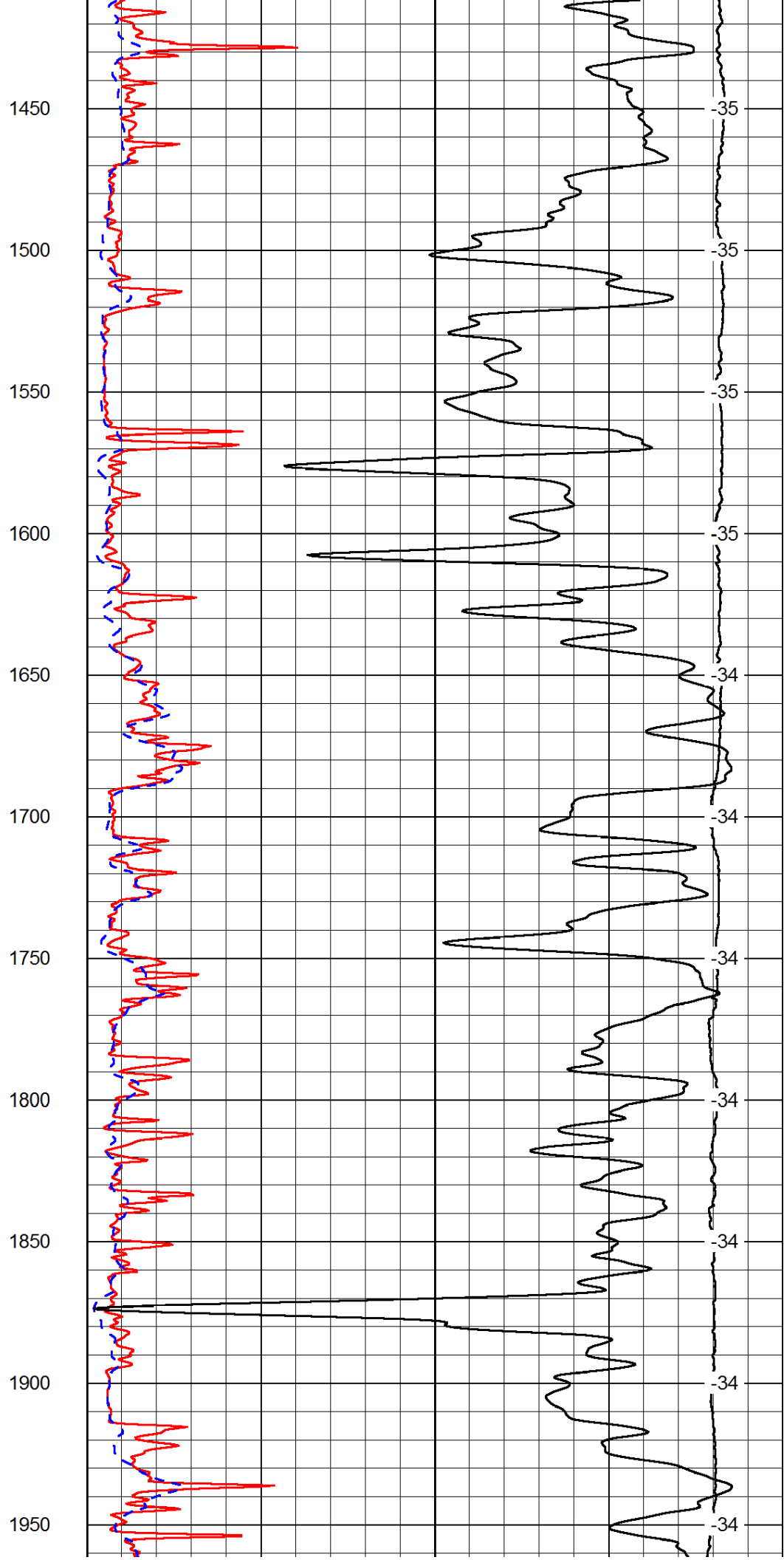
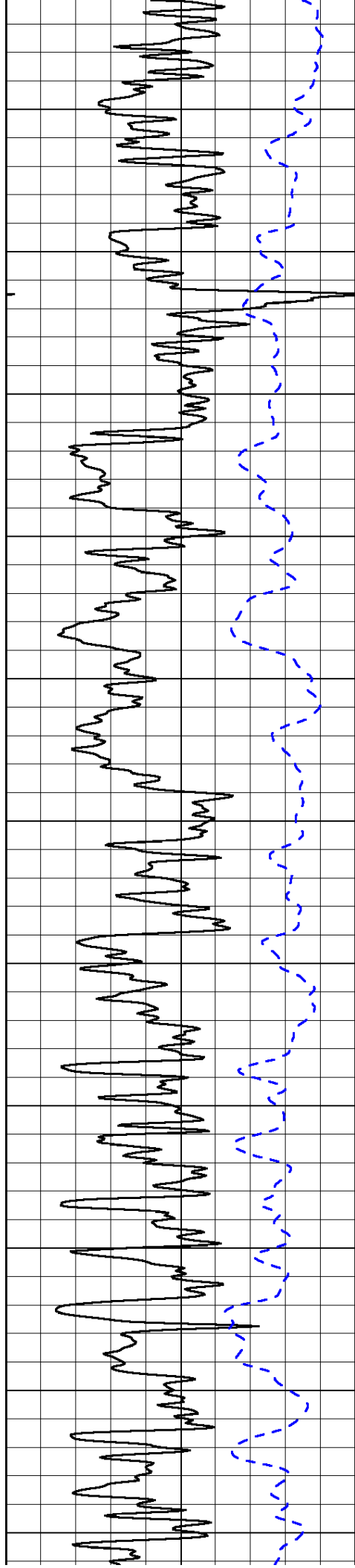
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-200	SP (mV)	0

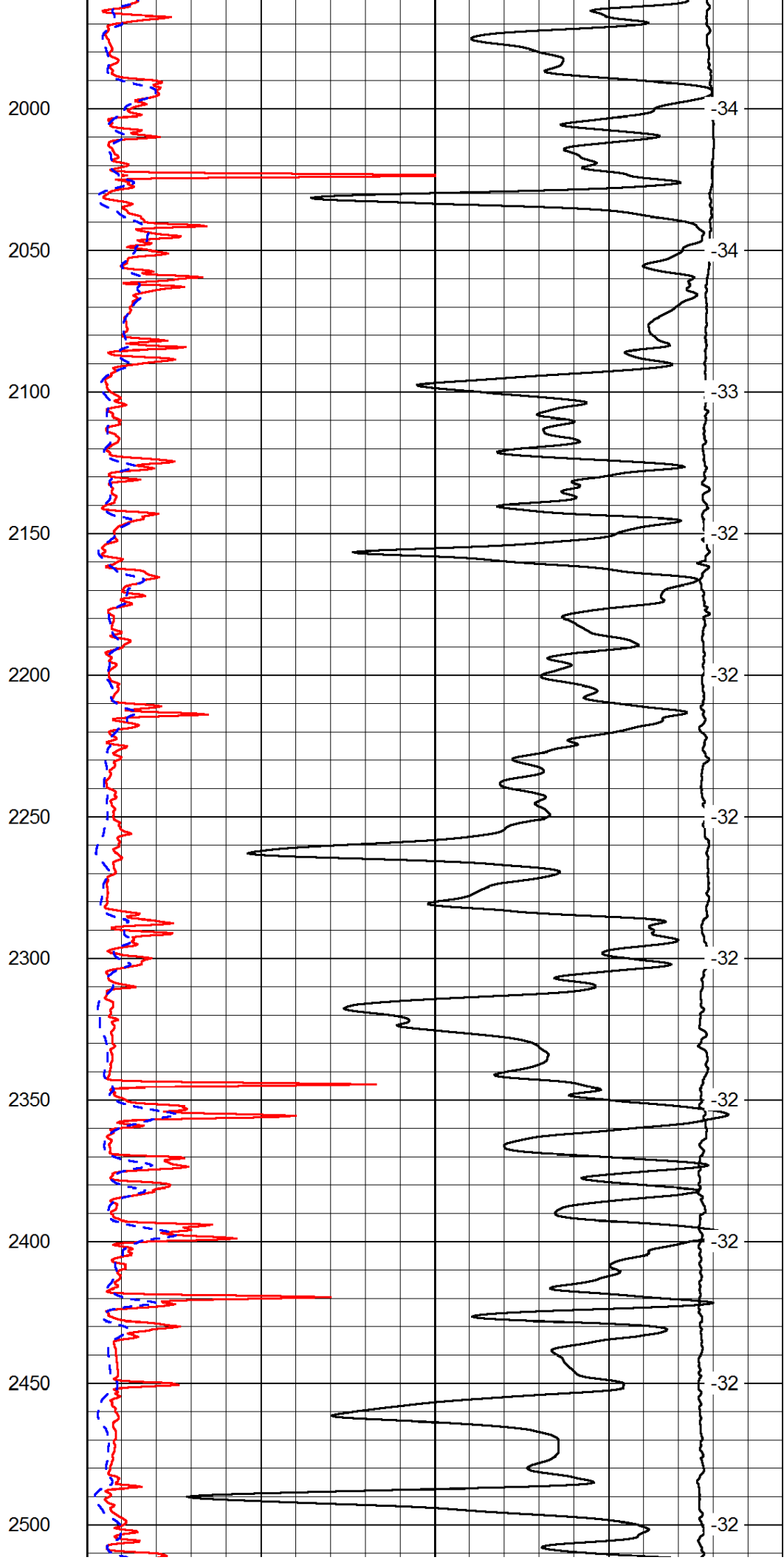
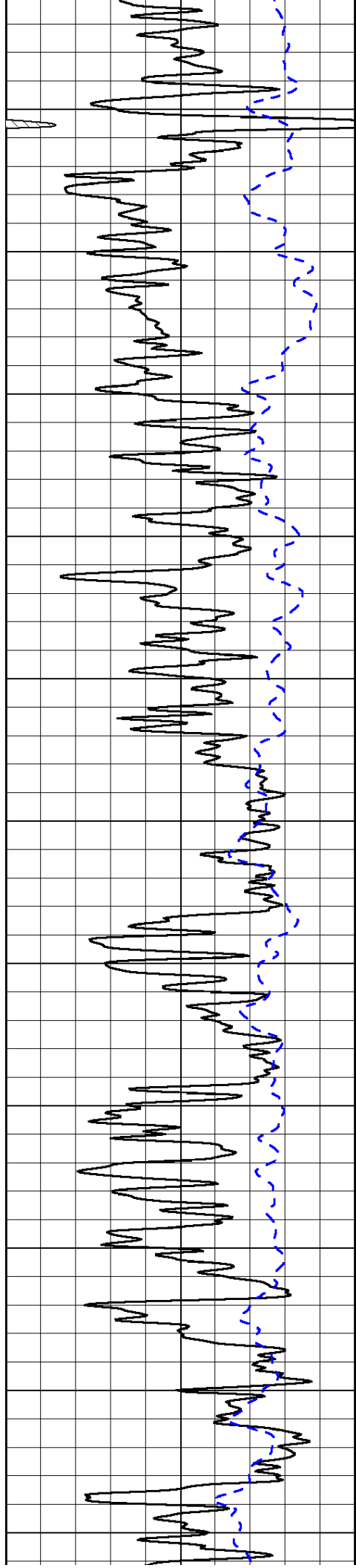
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

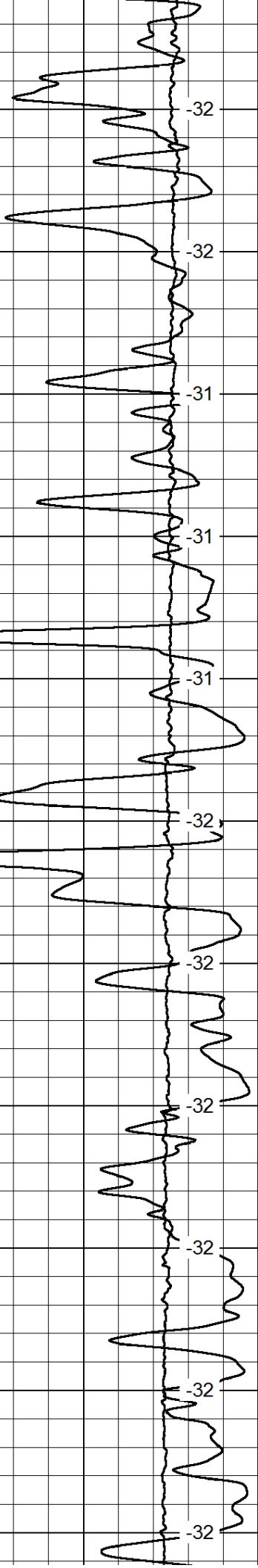
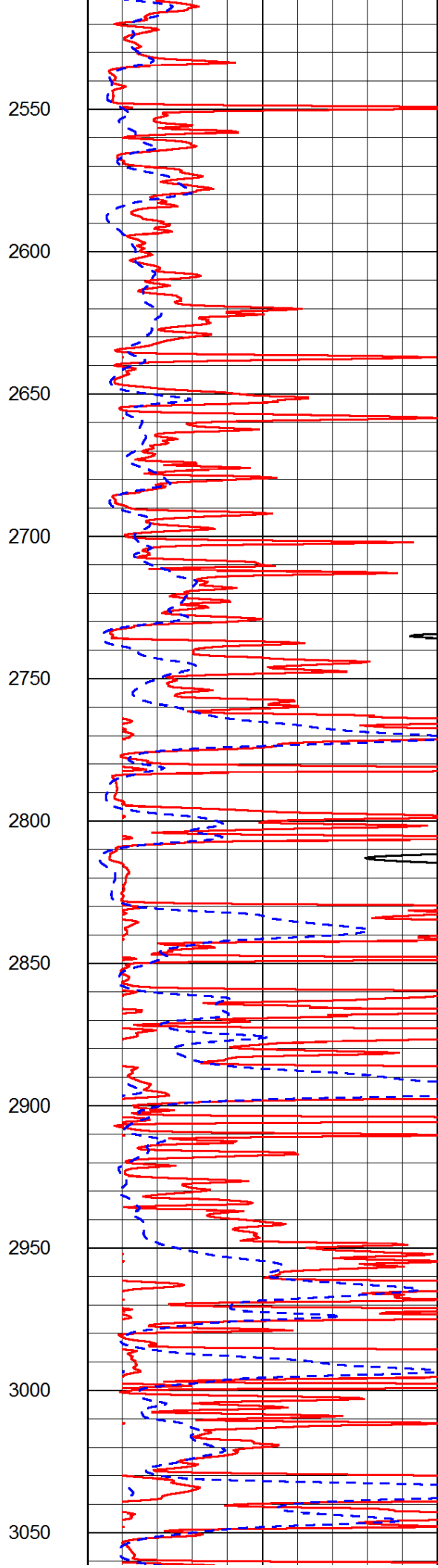
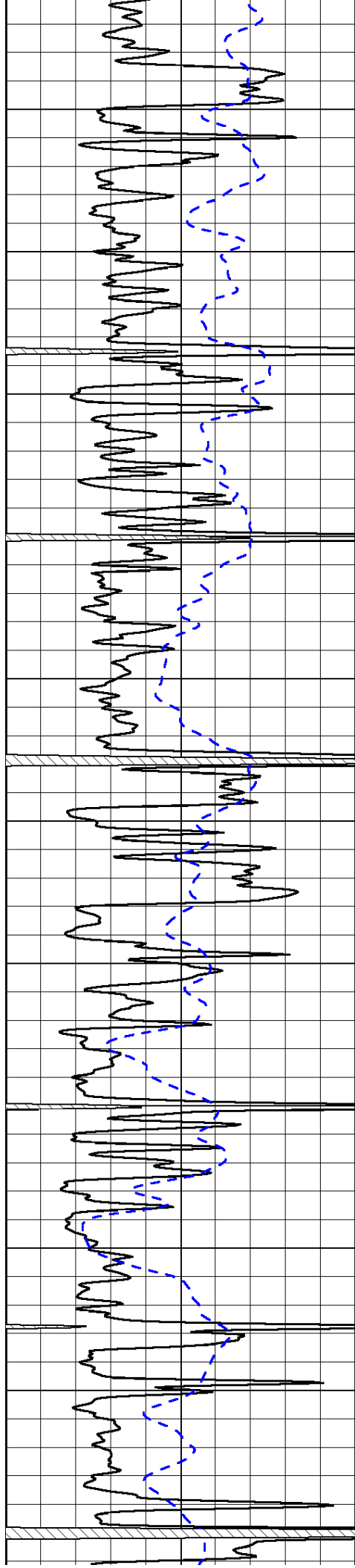
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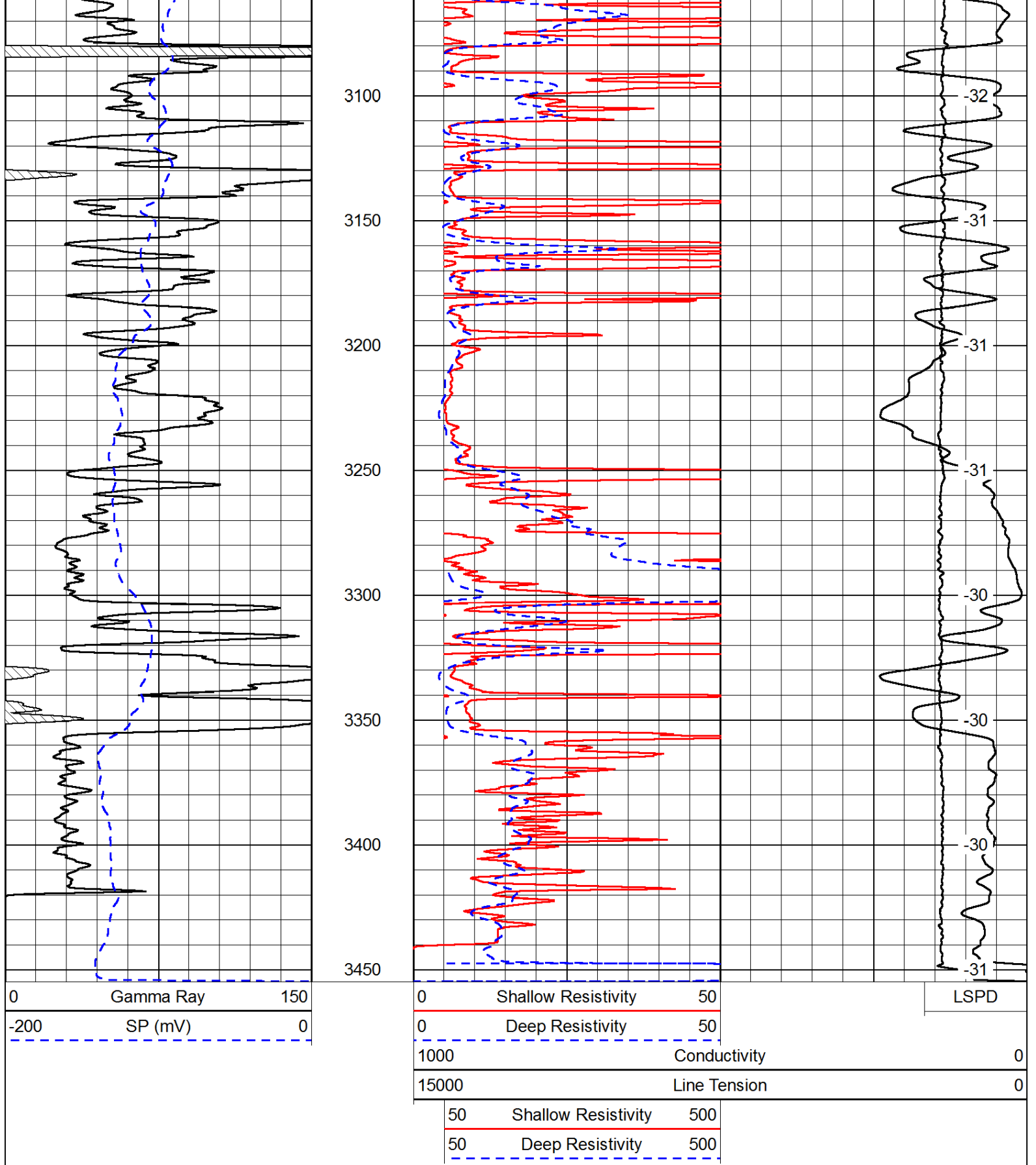






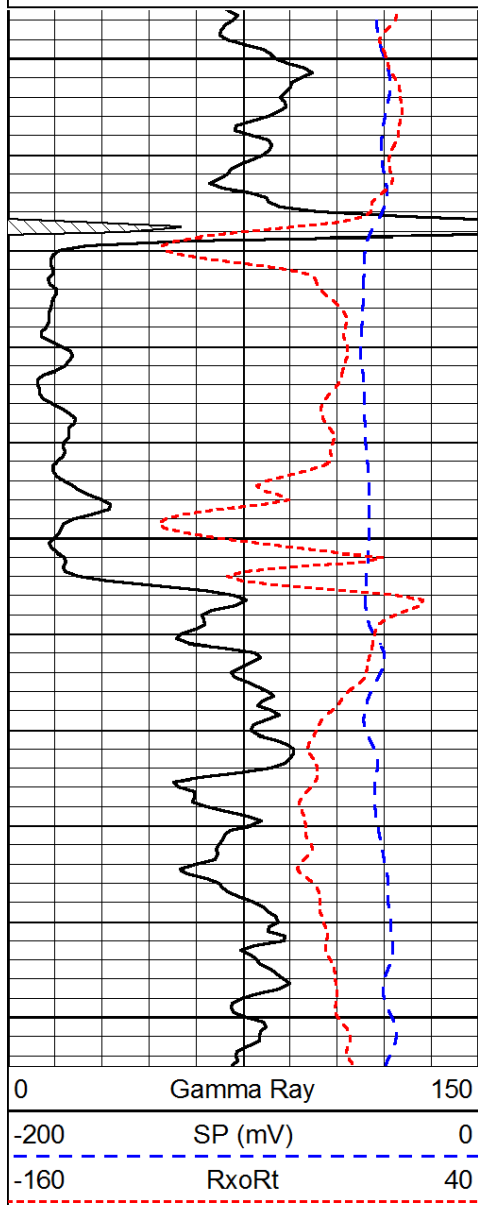
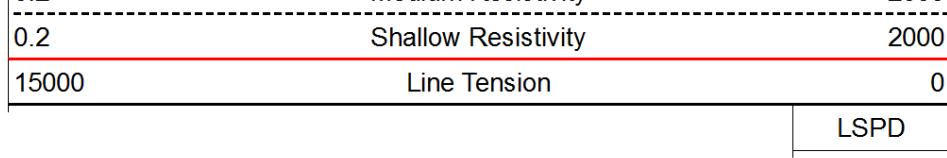
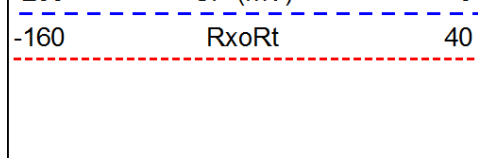






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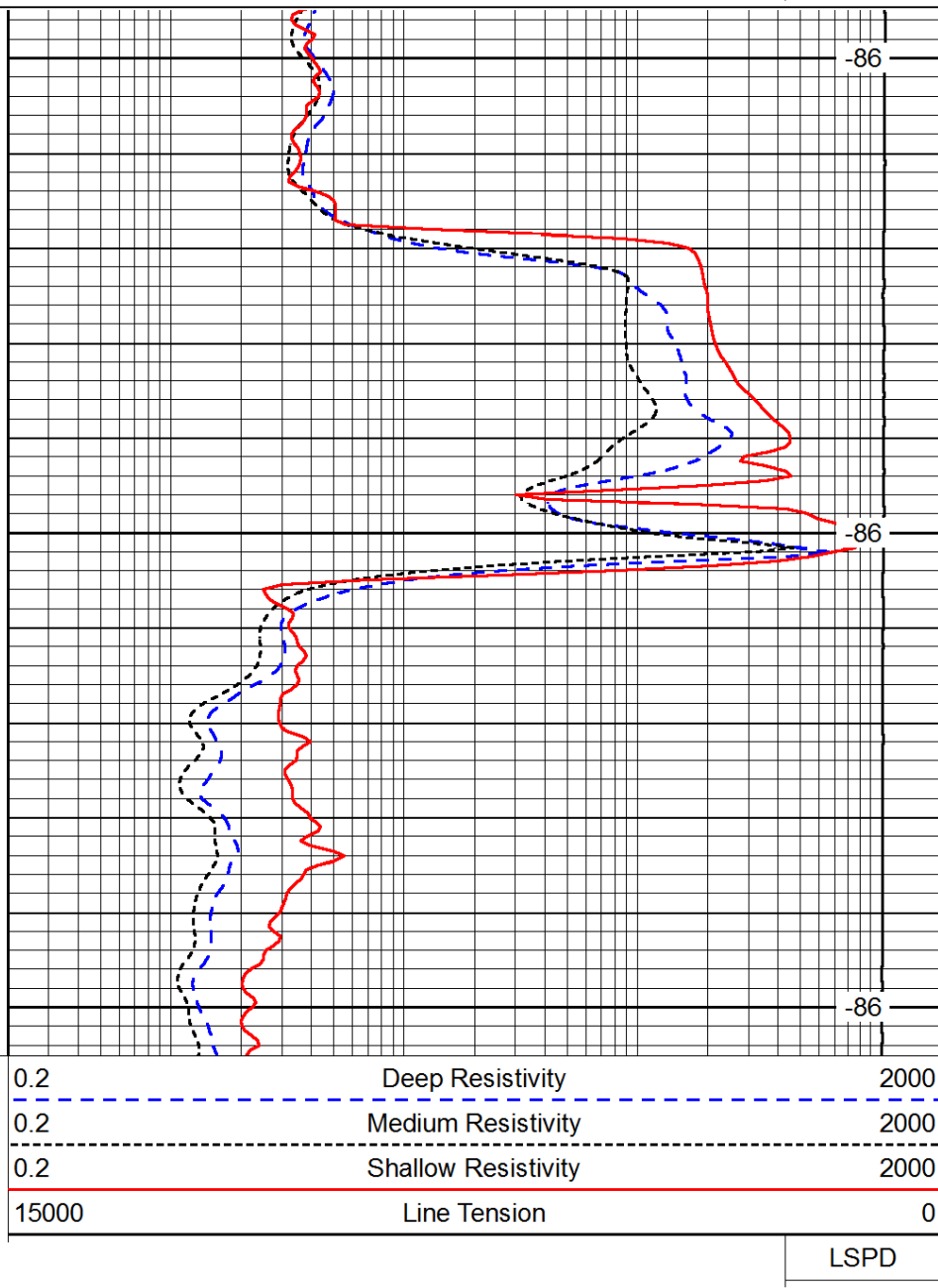




650

700

750

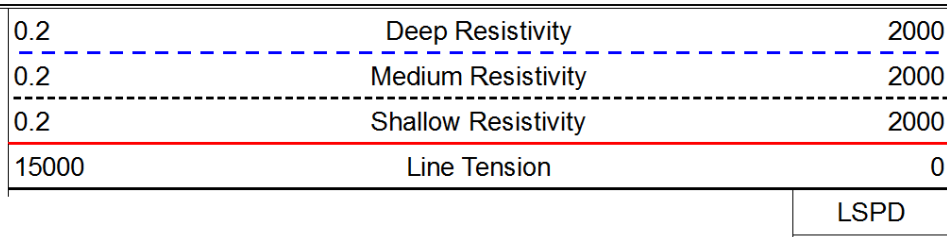
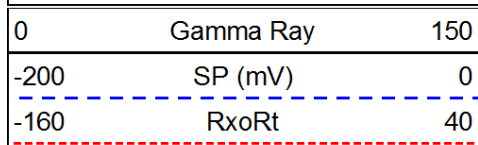


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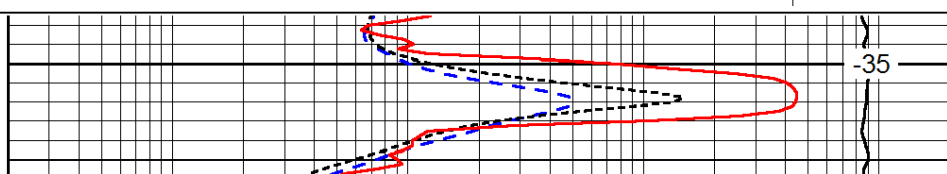
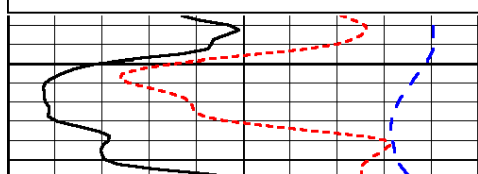
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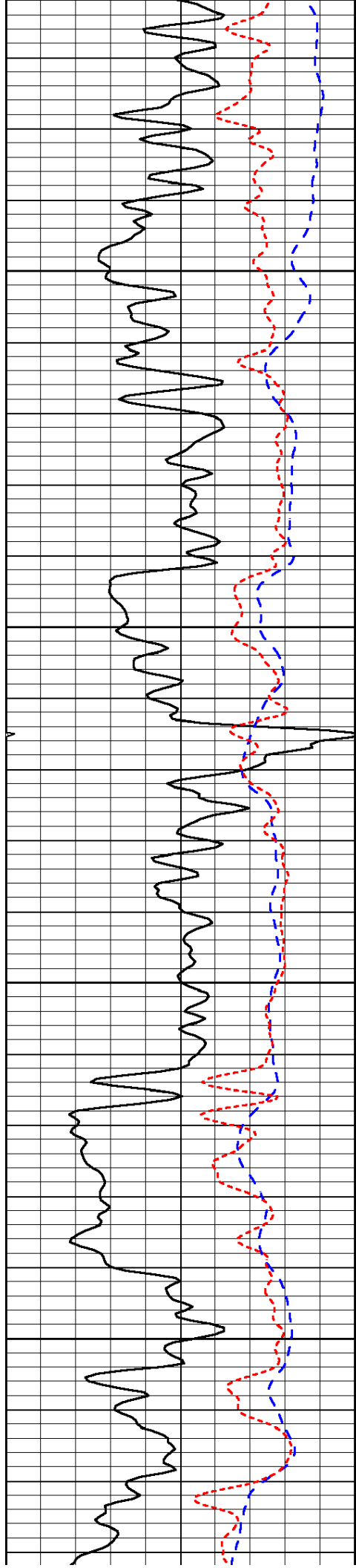
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1400



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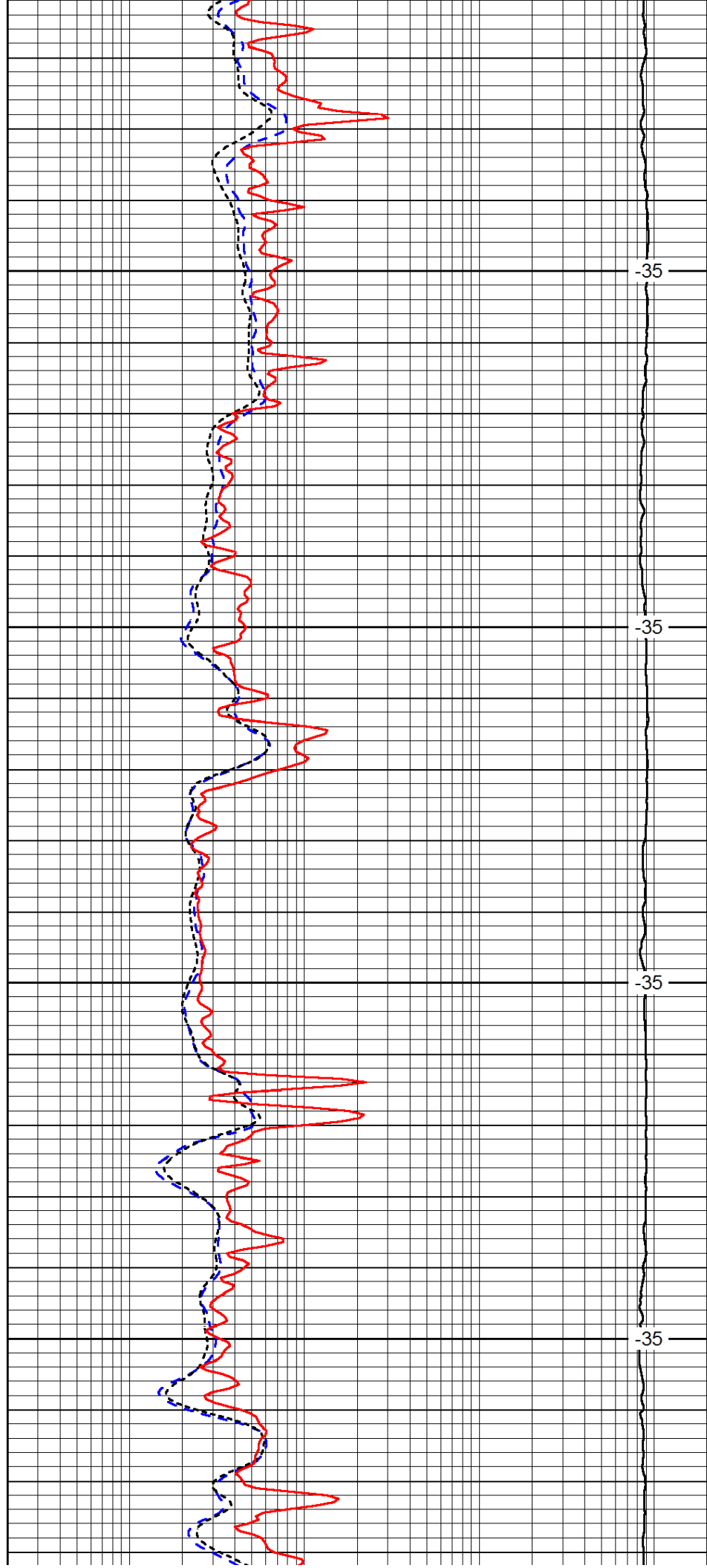


1450

1500

1550

1600

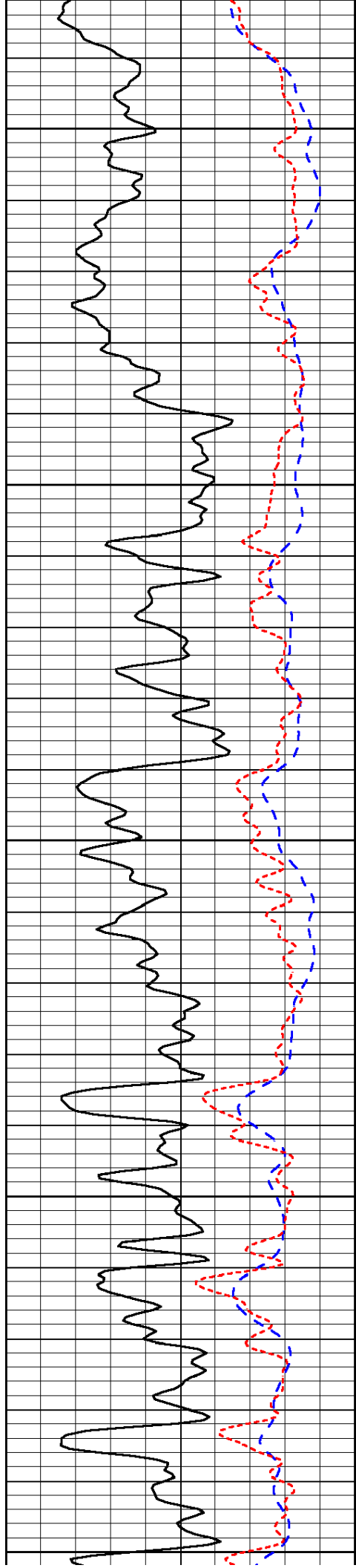


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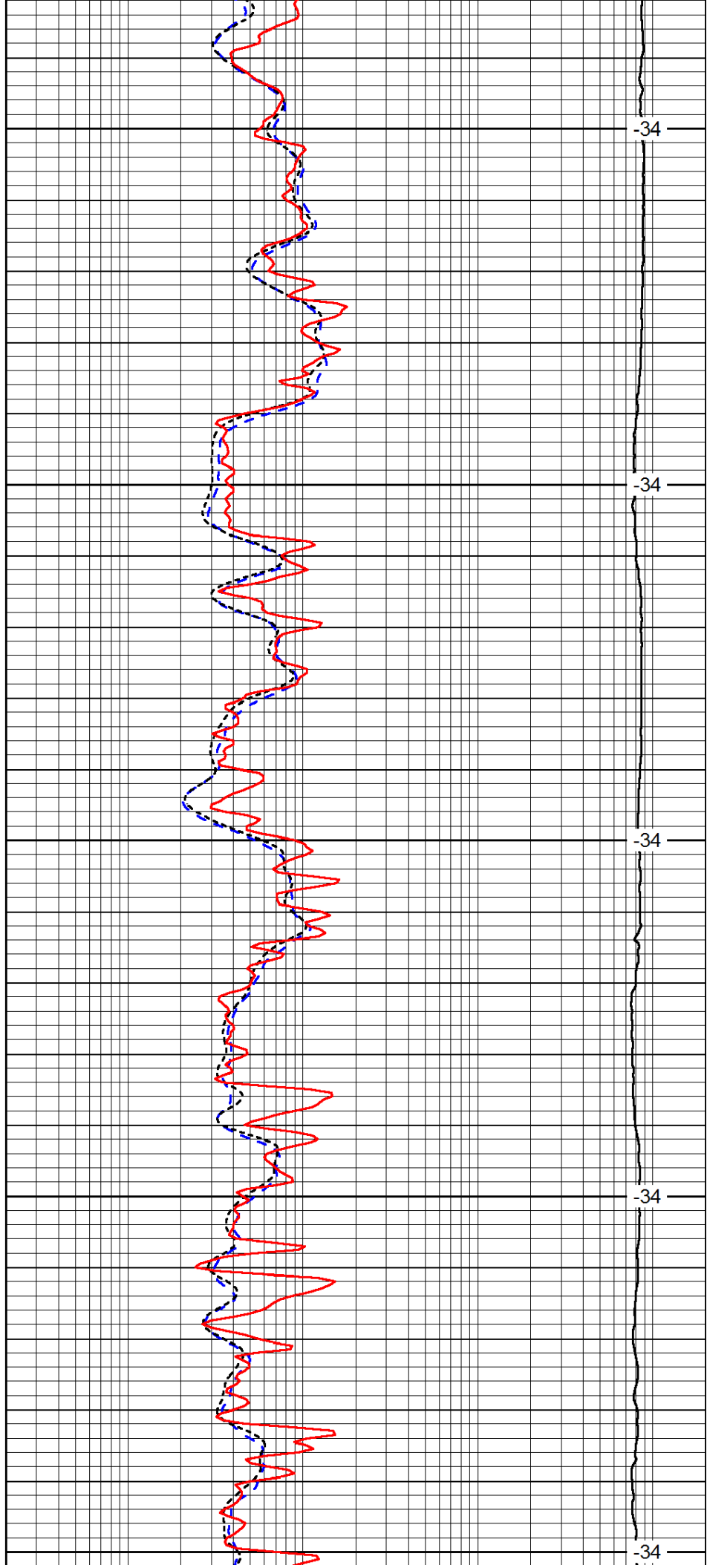
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1700

1750

1800

1850



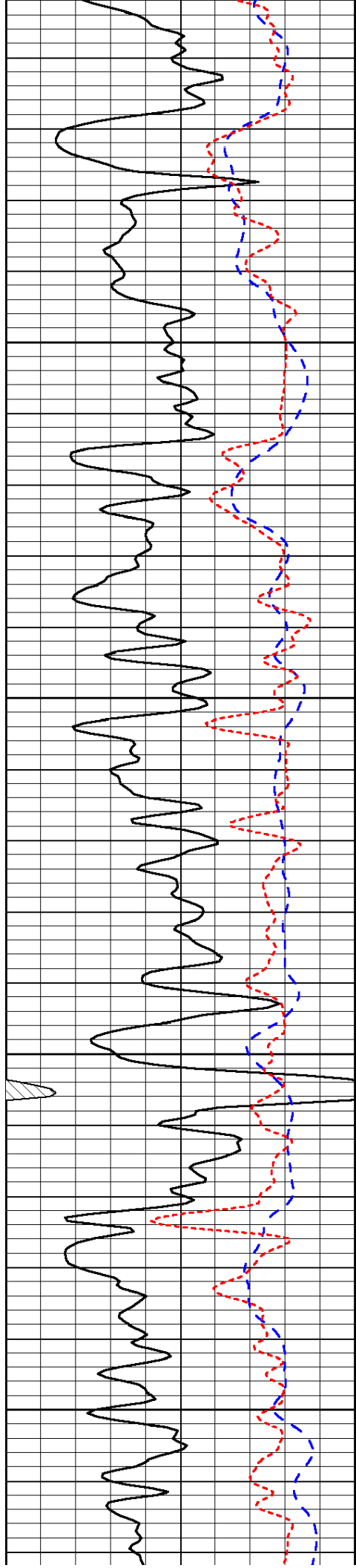
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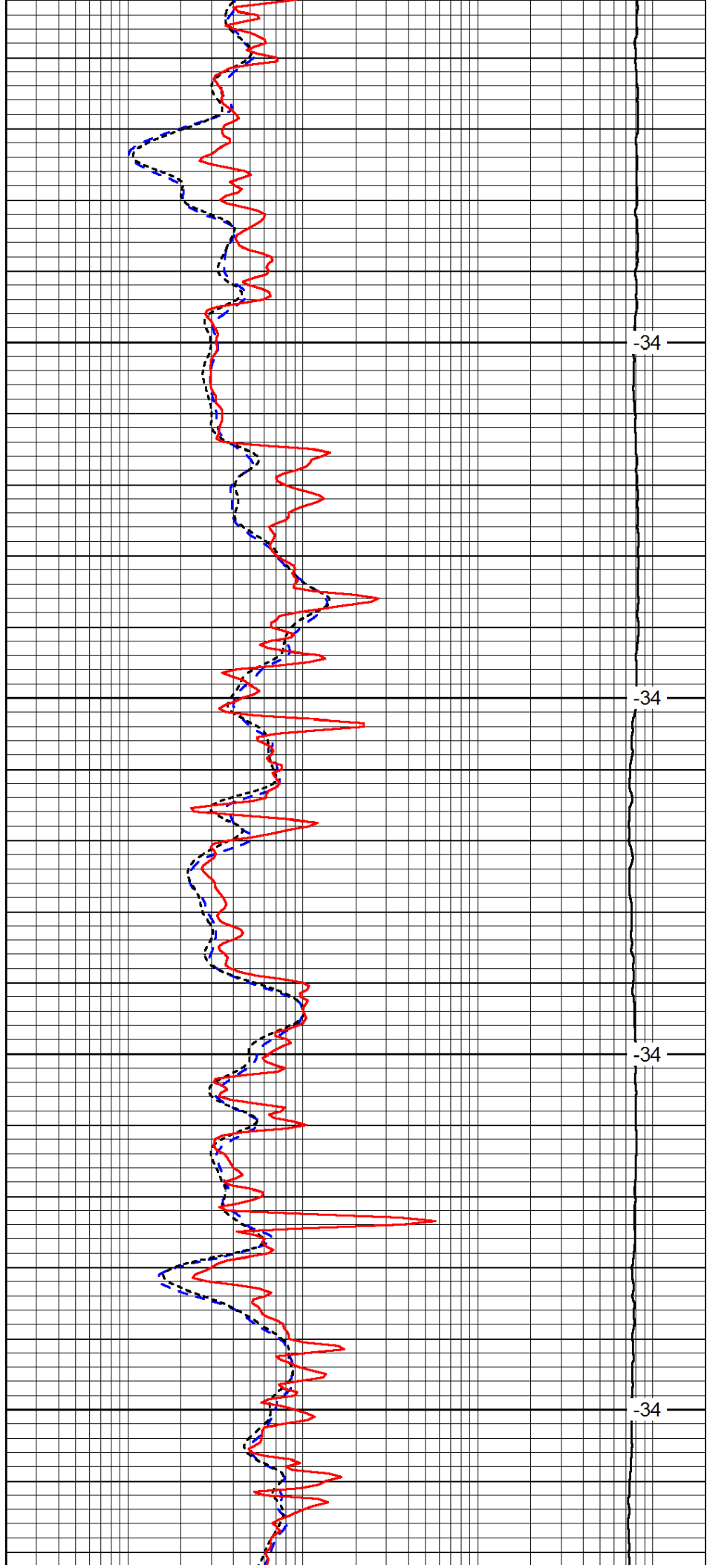


1900

1950

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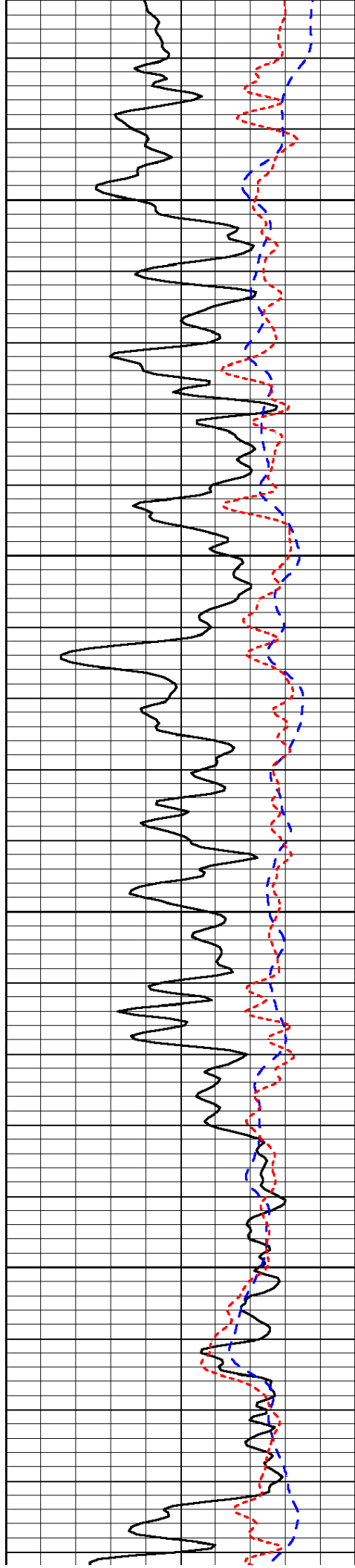


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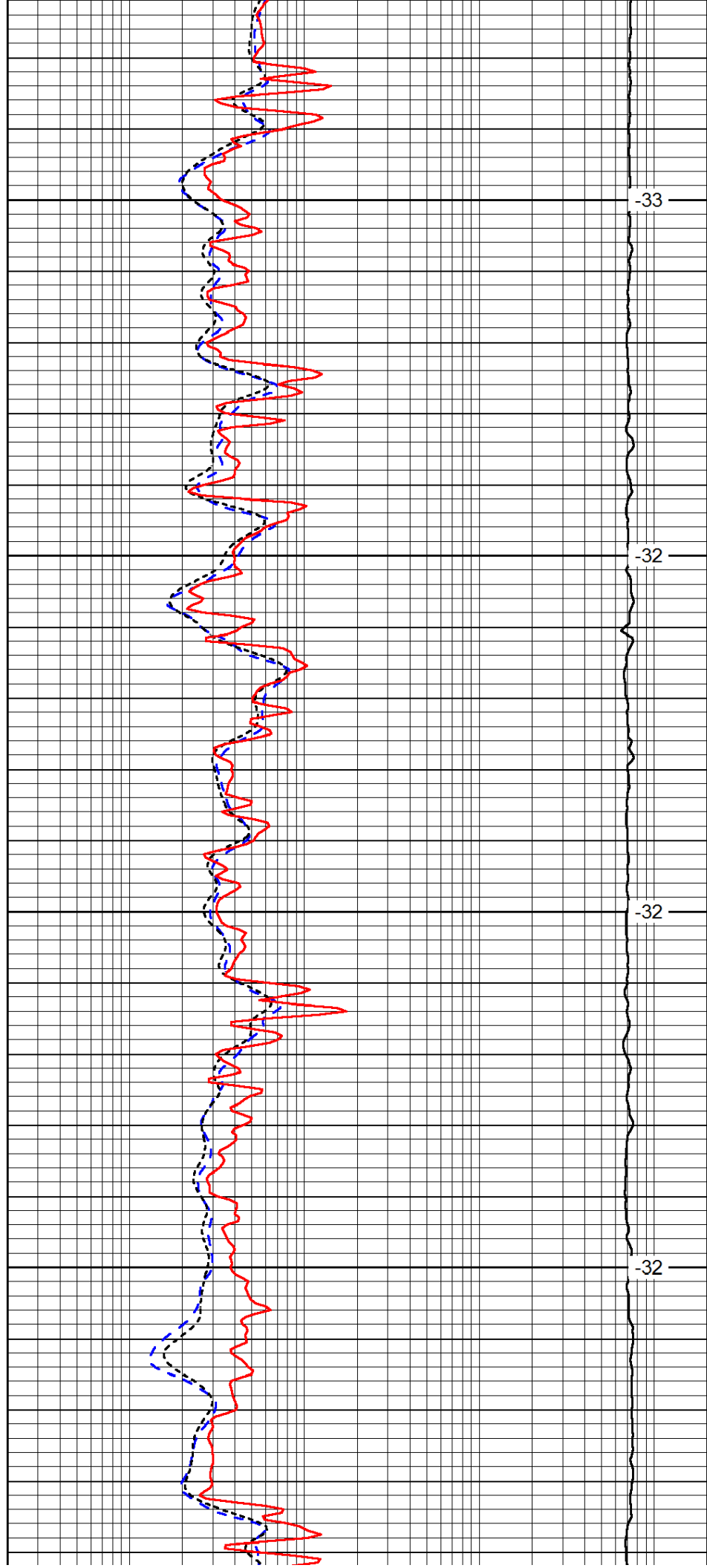


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2150

2200

2250

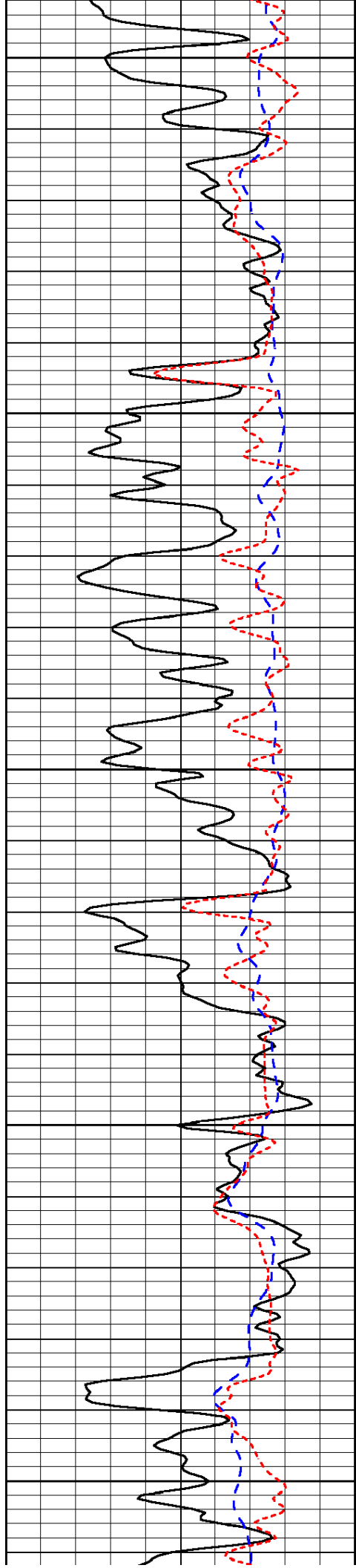


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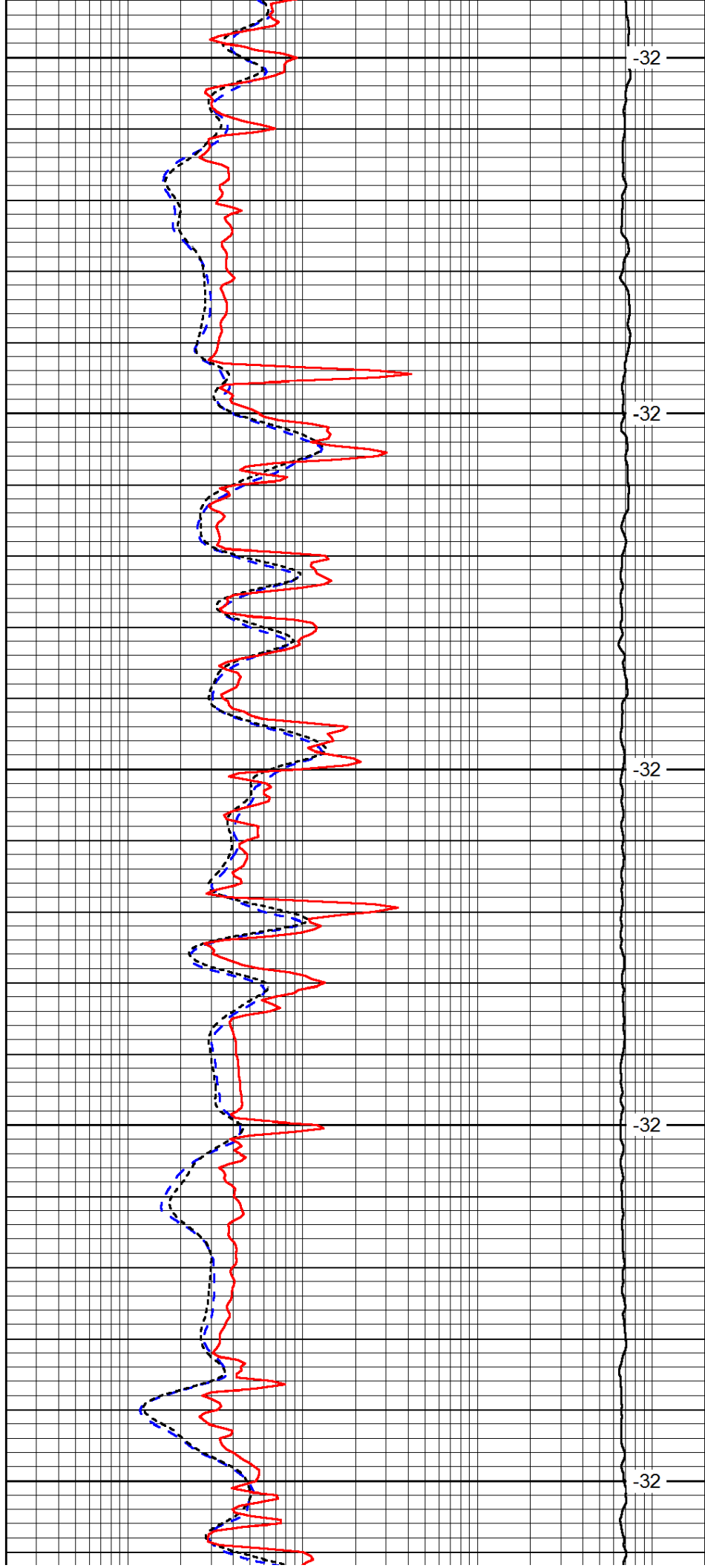
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2350

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2500



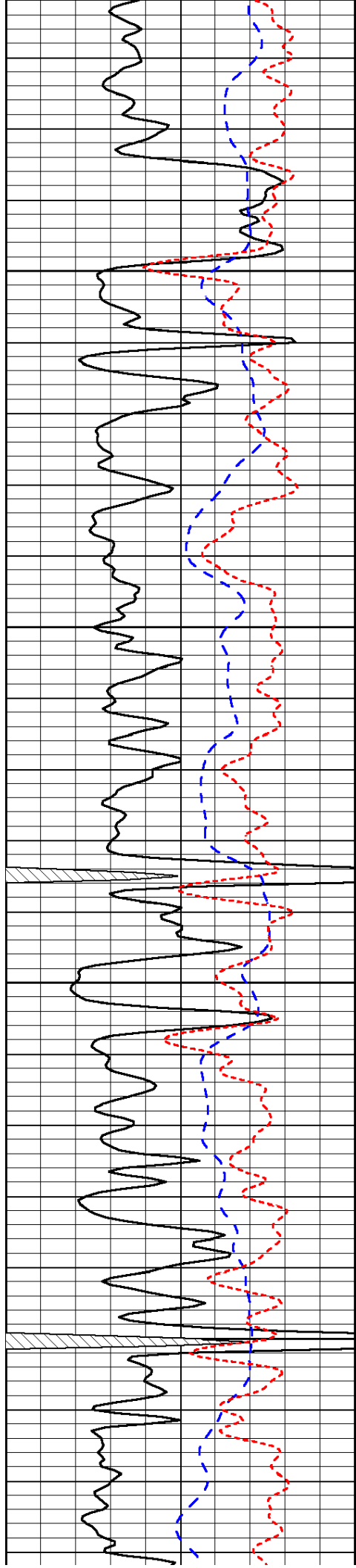
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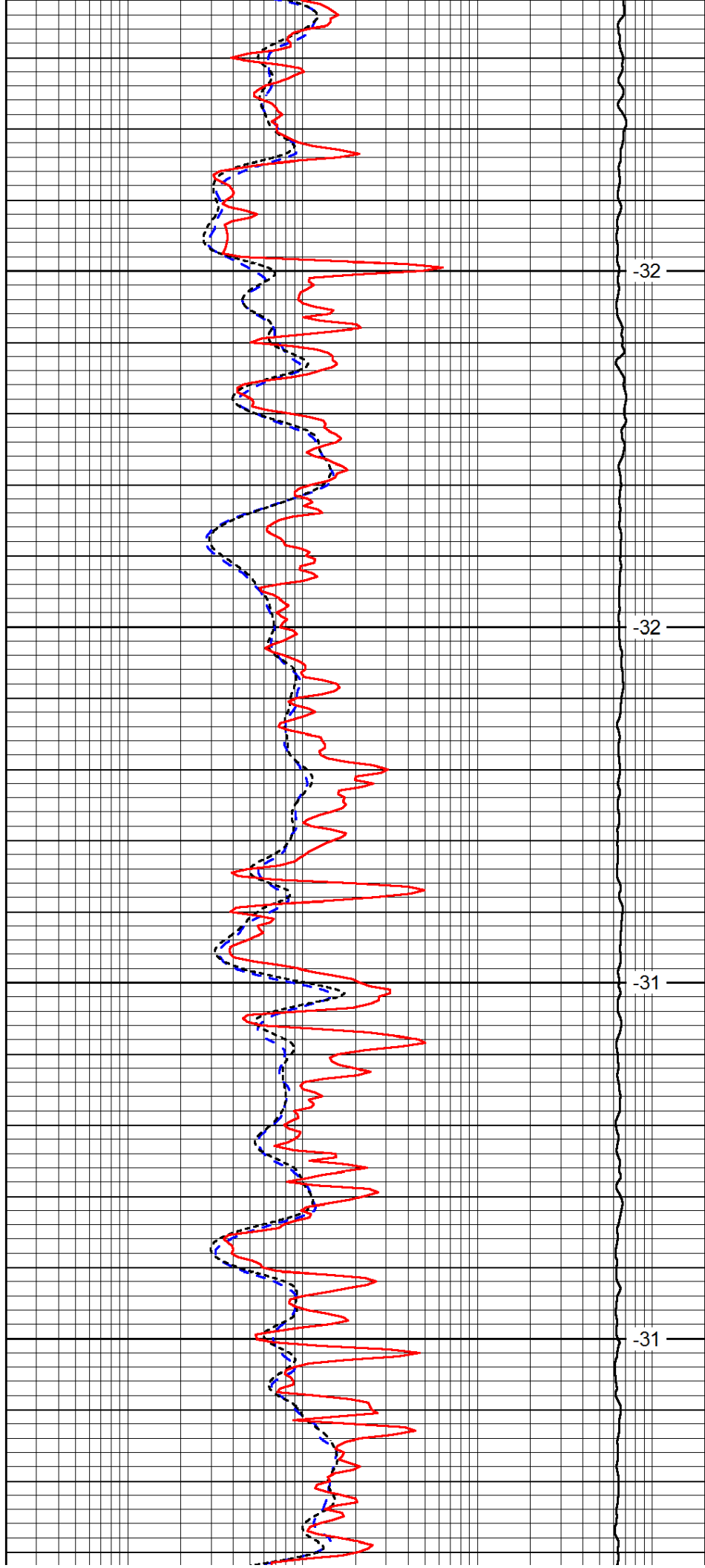


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2700

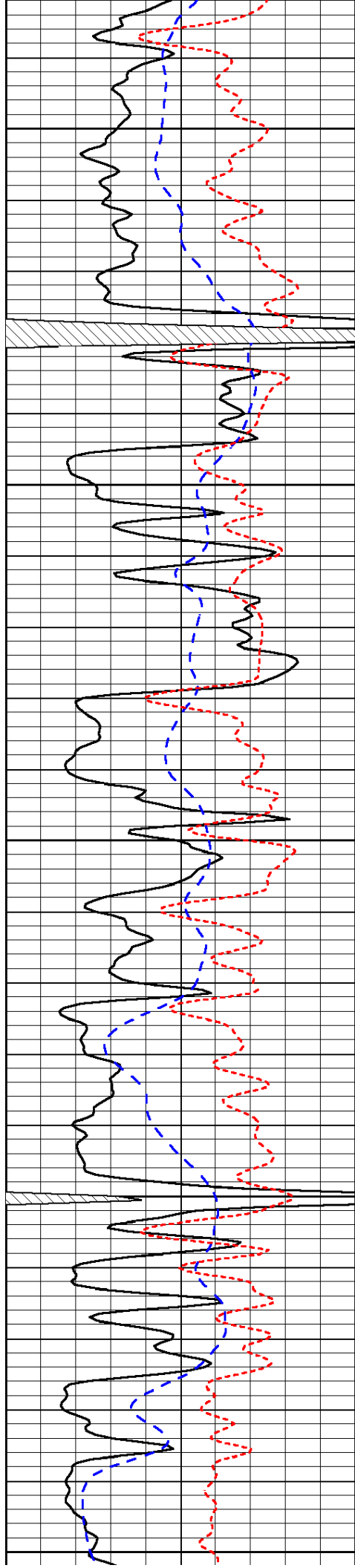


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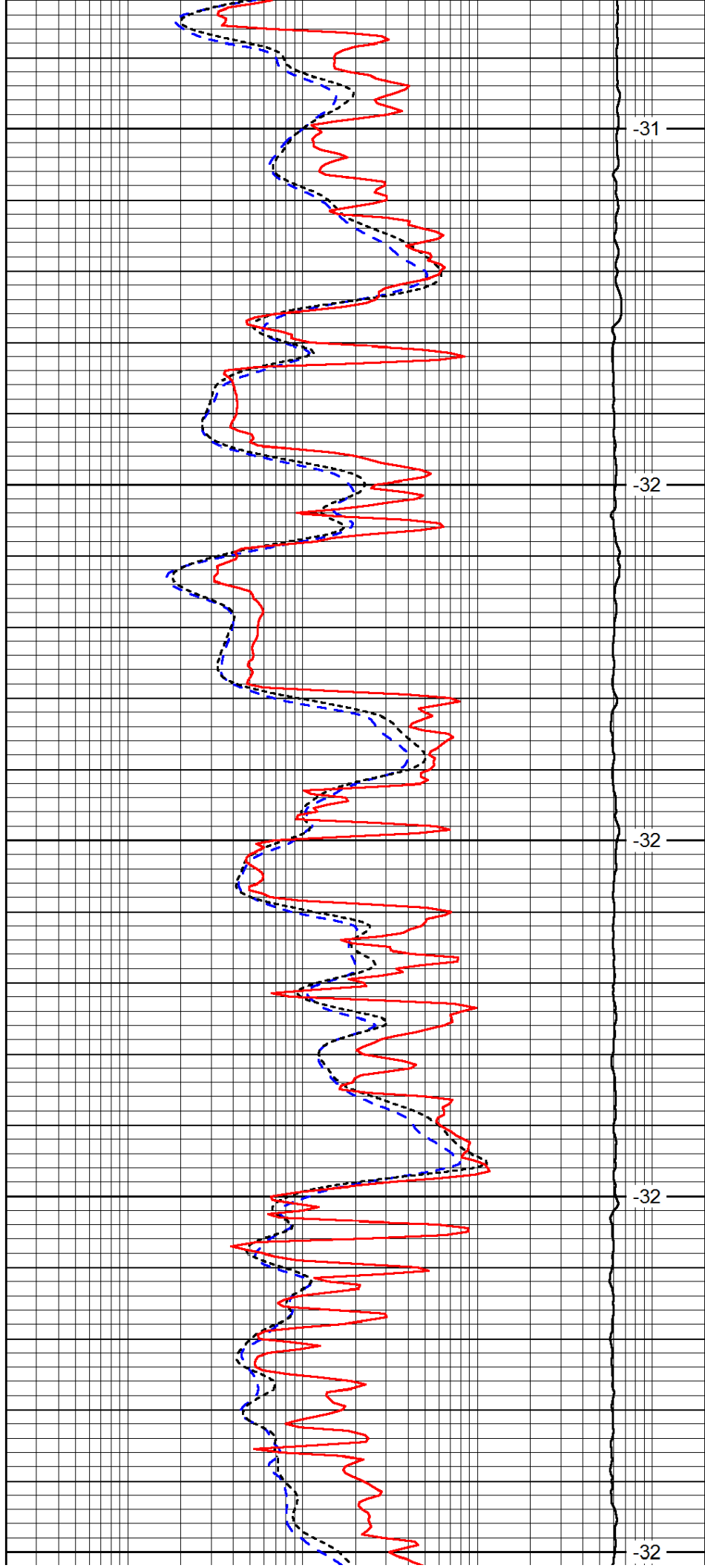
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2900

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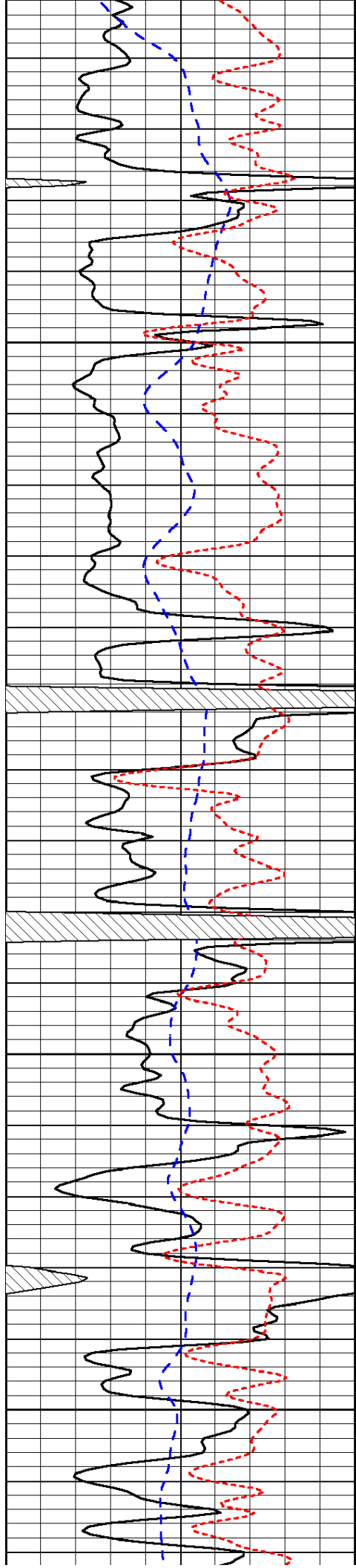
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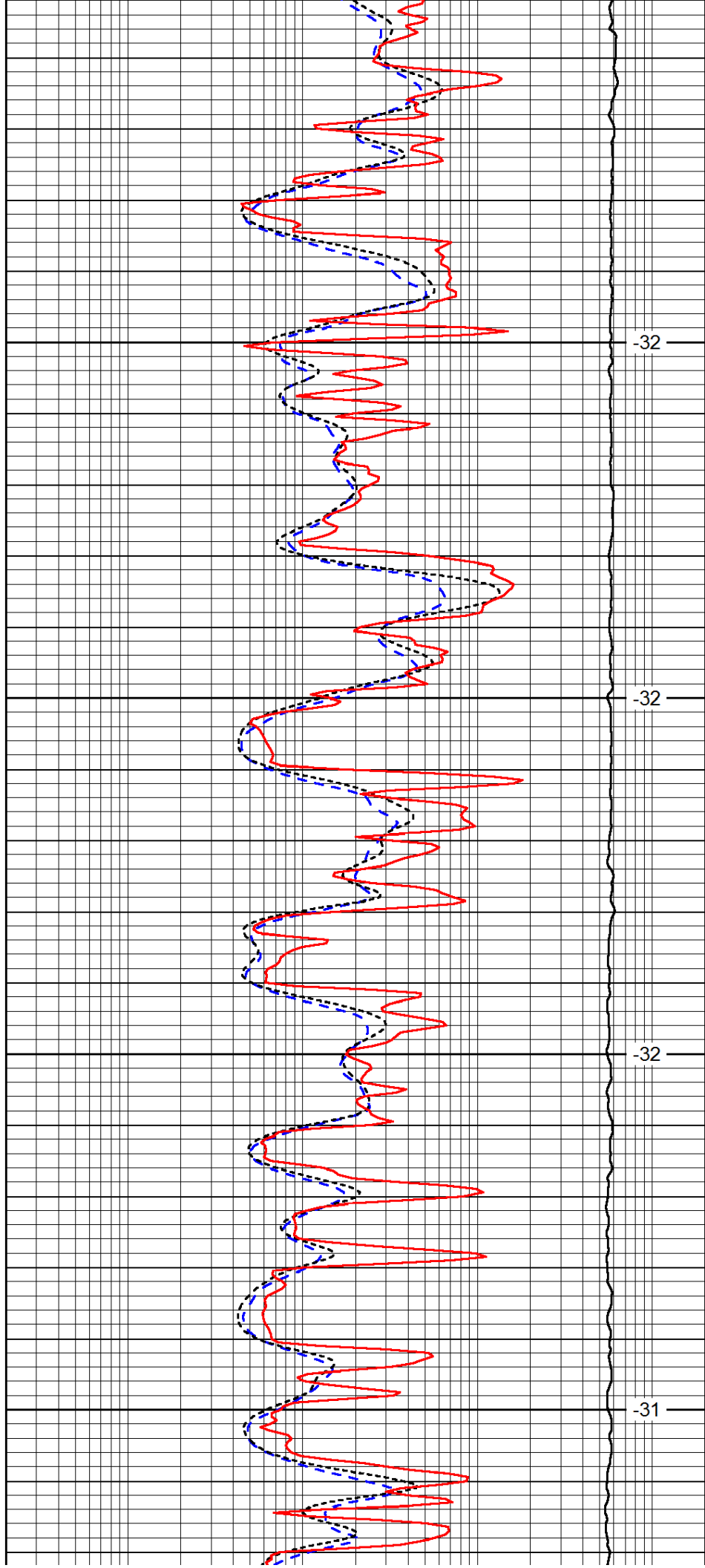


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3050

3100

3150

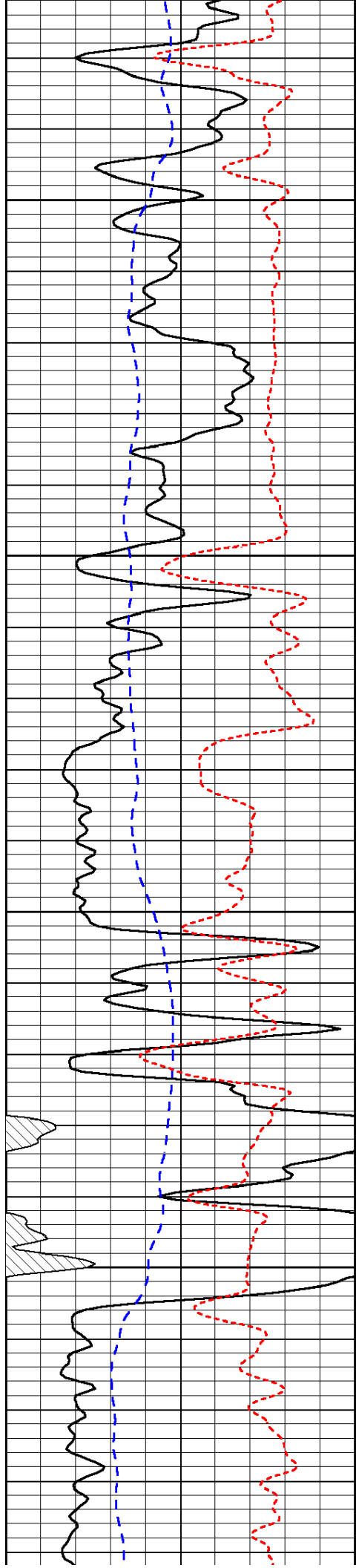


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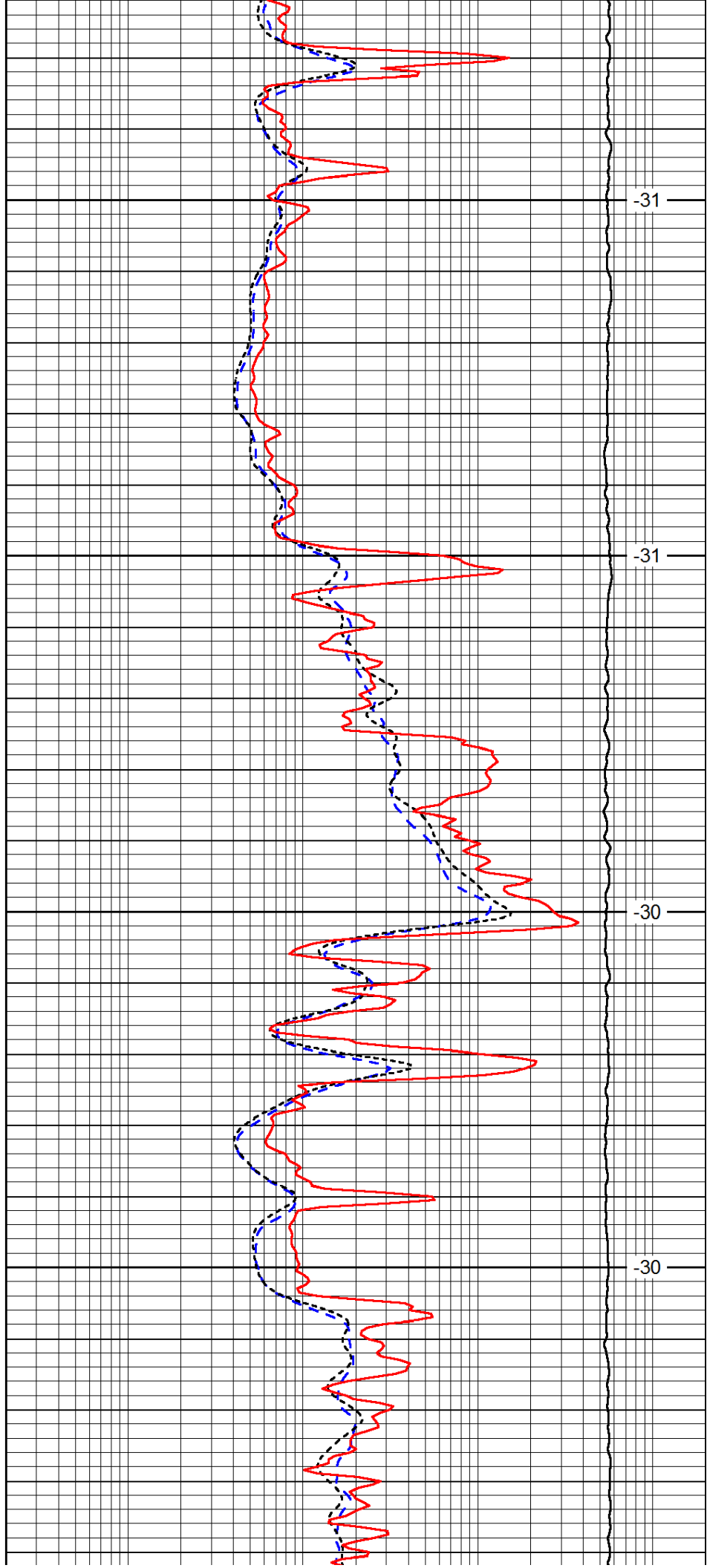


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3250

3300

3350

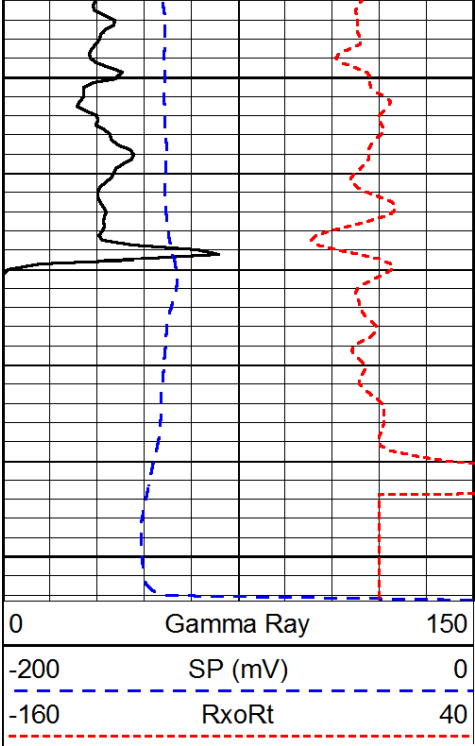


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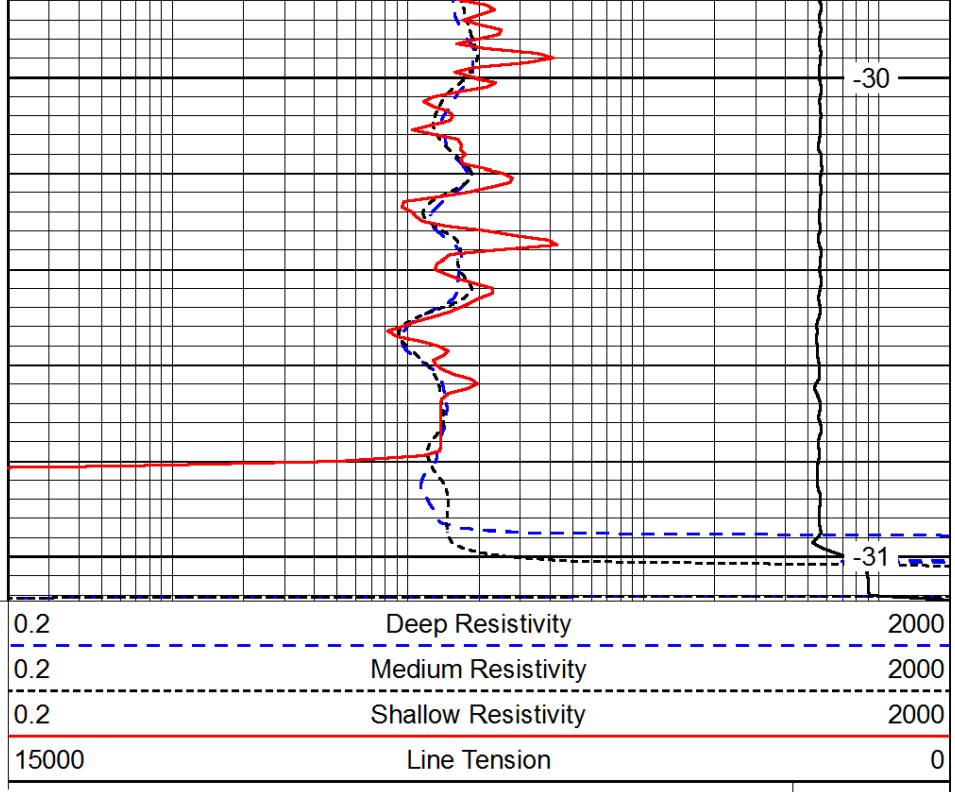
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3400

3450



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LSPD