



Pioneer Energy Services

Dual Induction Log

API No.

15-007-24,203-00-00

Company **Roberts Resources**

Well **Wheelock "A" No. 2**

Field **Medicine River**

County **Barber** State **Kansas**

Location **NW-SE-NW**

990' FSL & 3630' FEL

Sec: **34** Twp: **31S** Rge: **12W**

Permanent Datum **Ground Level** Elevation **1528**
Log Measured From **Kelly Bushing** 8 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

Other Services
CNL/CDL
MEL
Elevation
K.B. 1536
D.F. 1528
G.L. 1528

Date **8/17/14**

Run Number **One**

Depth Driller **4725**

Depth Logger **4720**

Bottom Logged Interval **4719**

Top Log Interval **250**

Casing Driller **8.625 @ 264**

Casing Logger **260**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity, ppm CL **9.500**

Density / Viscosity **9.0 40**

pH / Fluid Loss **10.0 10.8**

Source of Sample **Flowline**

Rm @ Meas. Temp **.12 @ 82**

Rmf @ Meas. Temp **.09 @ 82**

Rmc @ Meas. Temp **.16 @ 82**

Source of Rmf / Rmc **Charts**

Rm @ BHT **.08 @ 123**

Operating Rig Time **4 Hours**

Max Rec. Temp. F **123**

Equipment Number **10**

Location **Hays**

Recorded By **J. Henrickson**

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

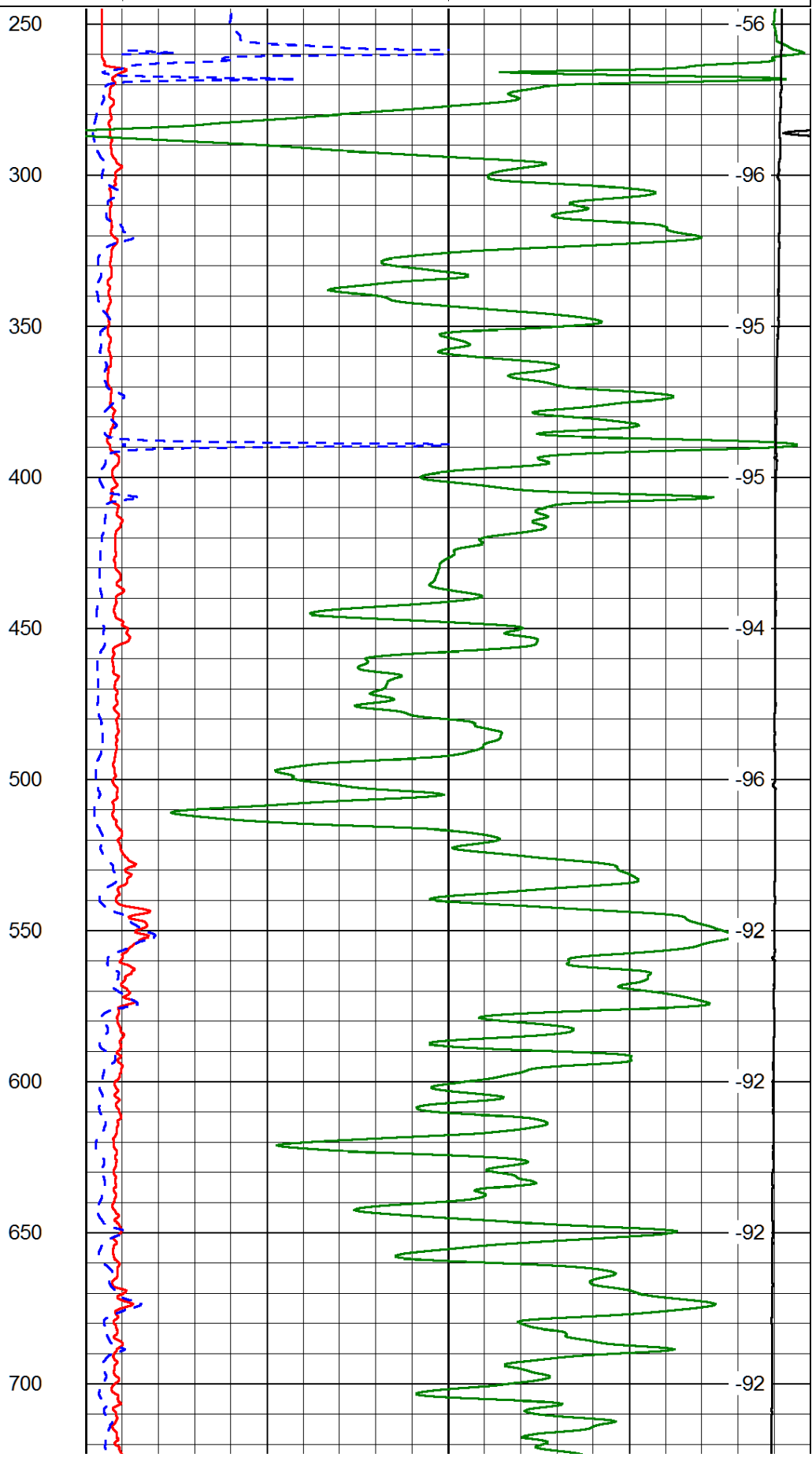
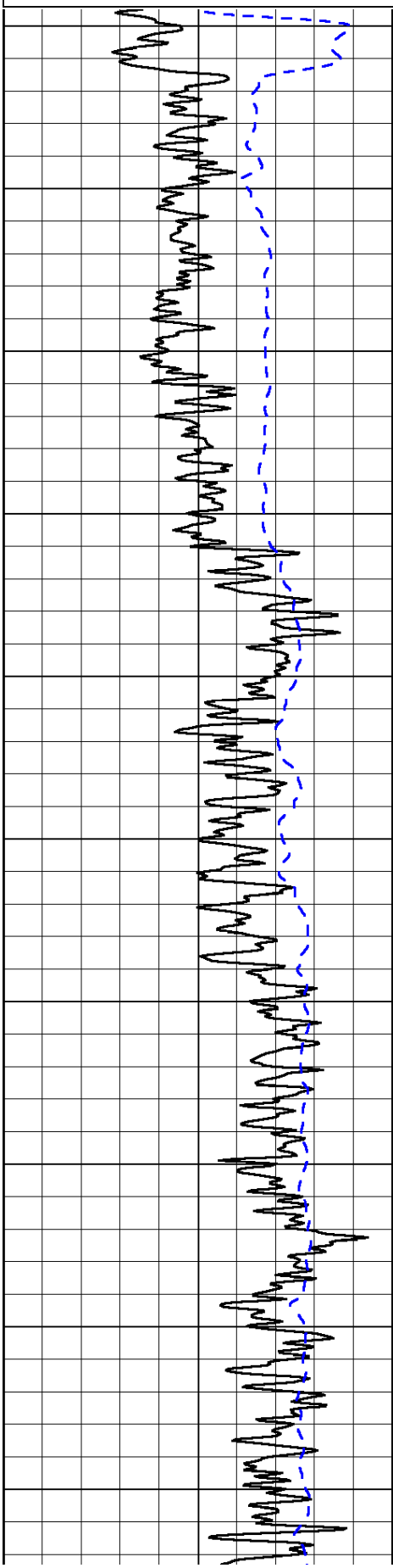
Thank you for using Log-Tech, Inc.
(785) 625-3858

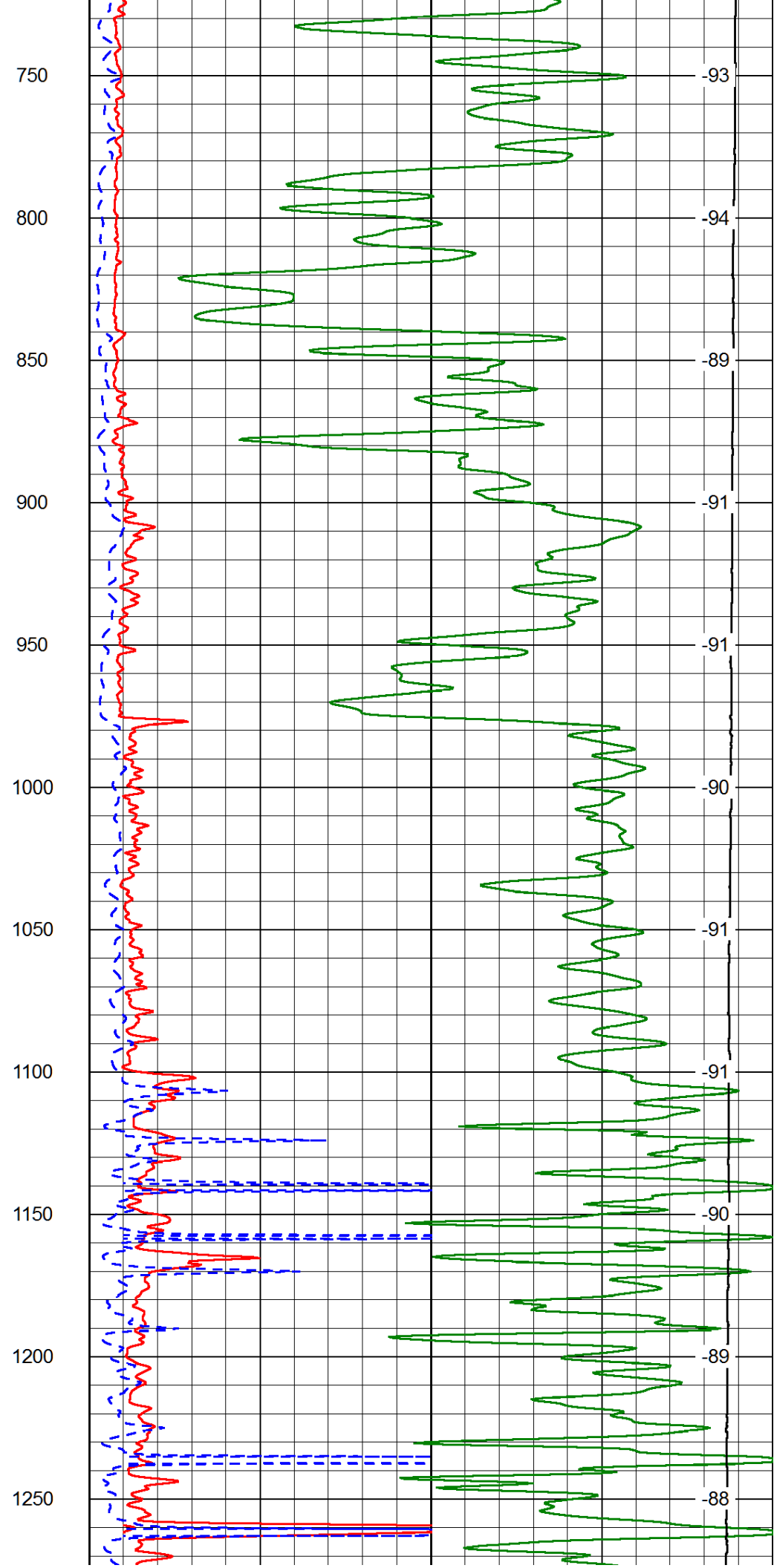
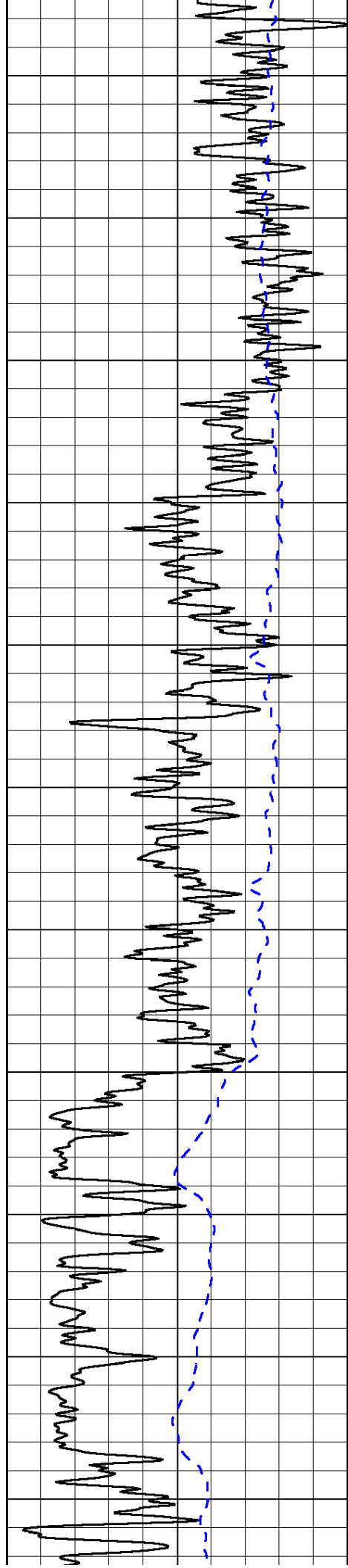
Medicine Lodge Kansas
2 West on River Rd, North Into

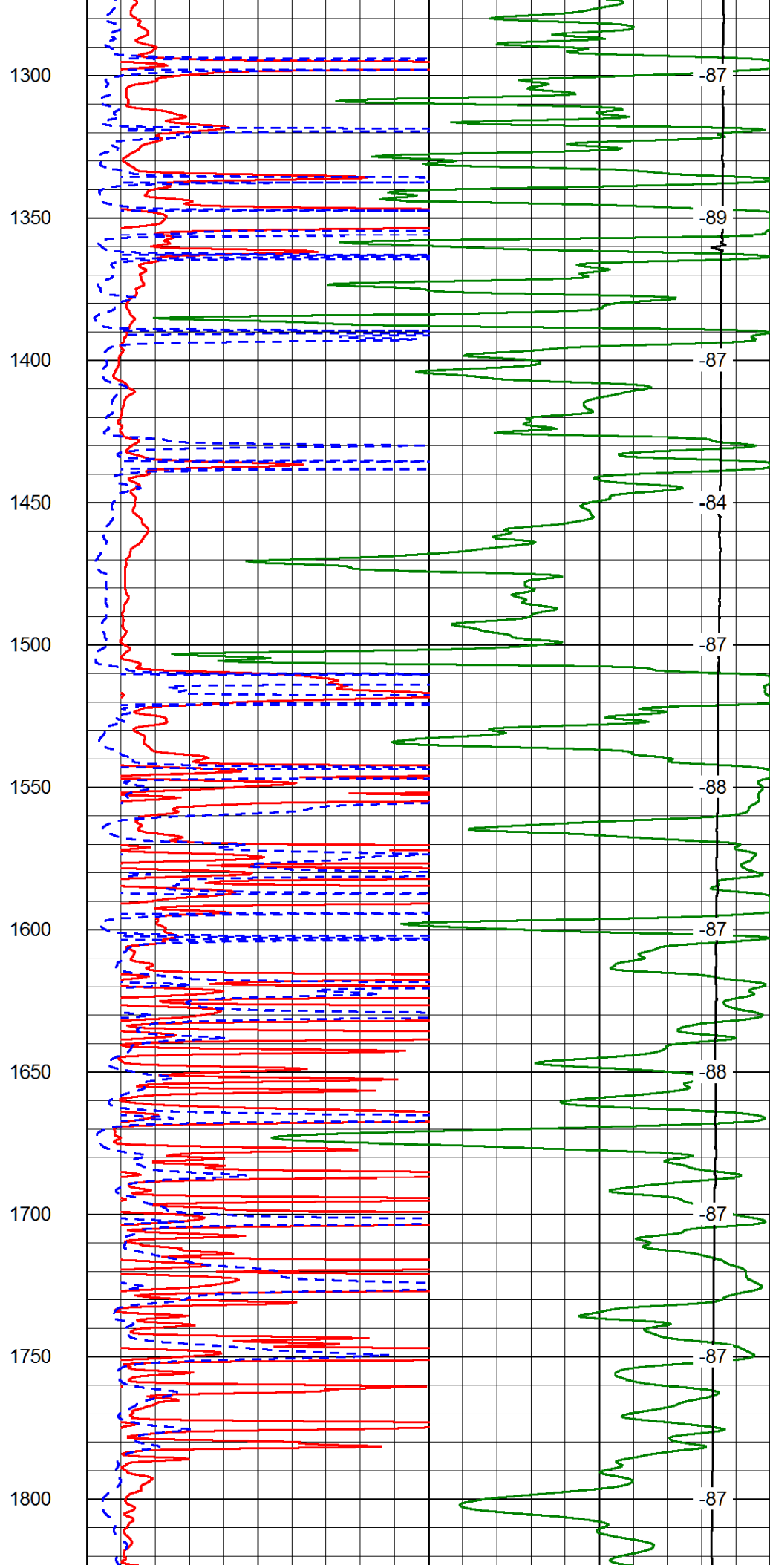
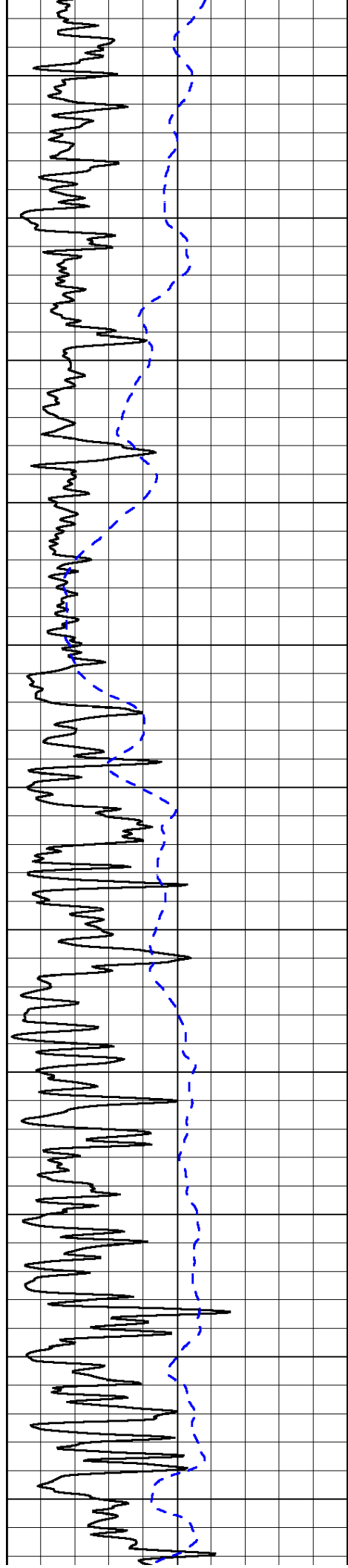
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Dataset Creation: Sun Aug 17 08:04:48 2014
Charted by: Depth in Feet scaled 1:600

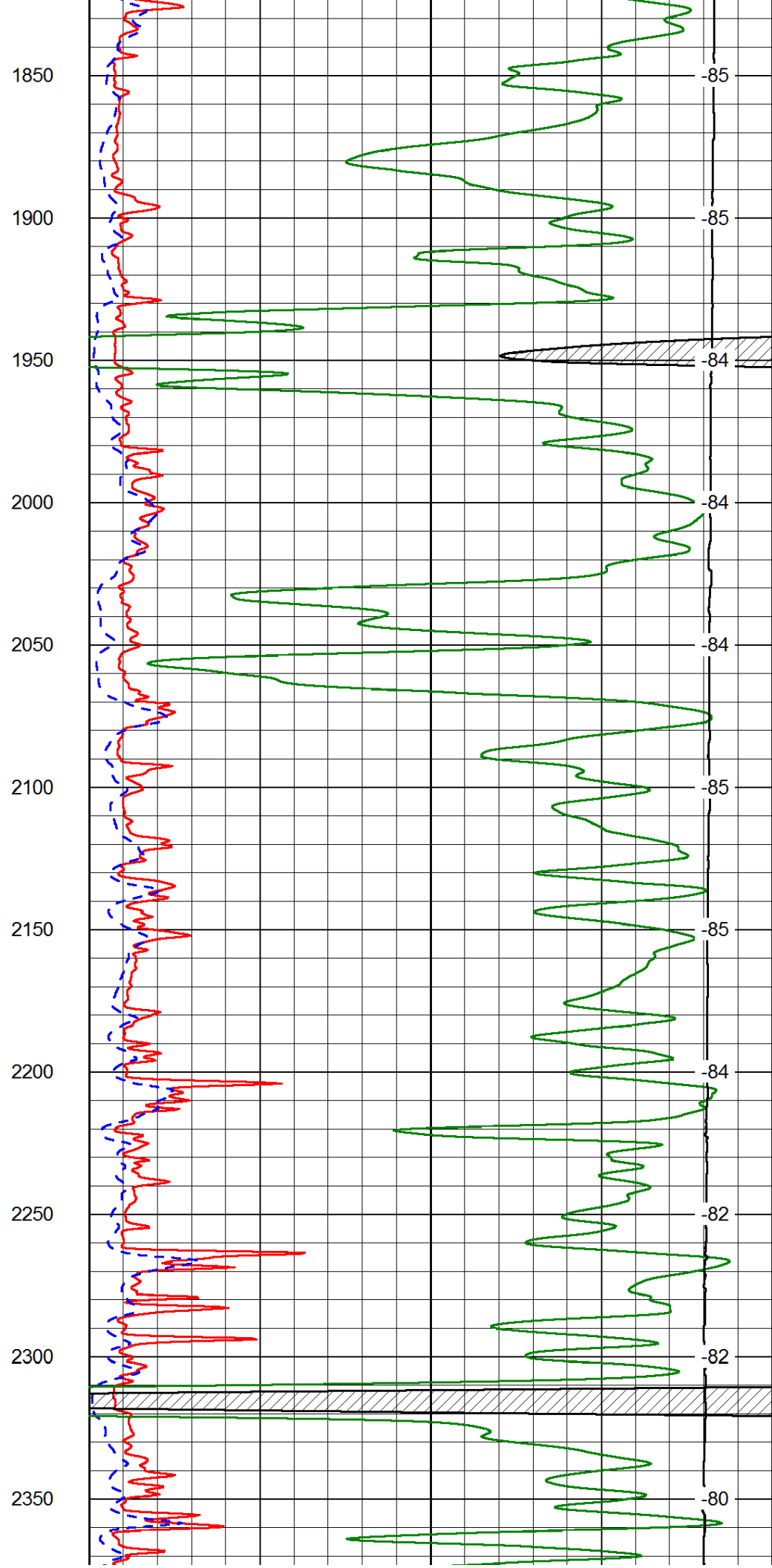
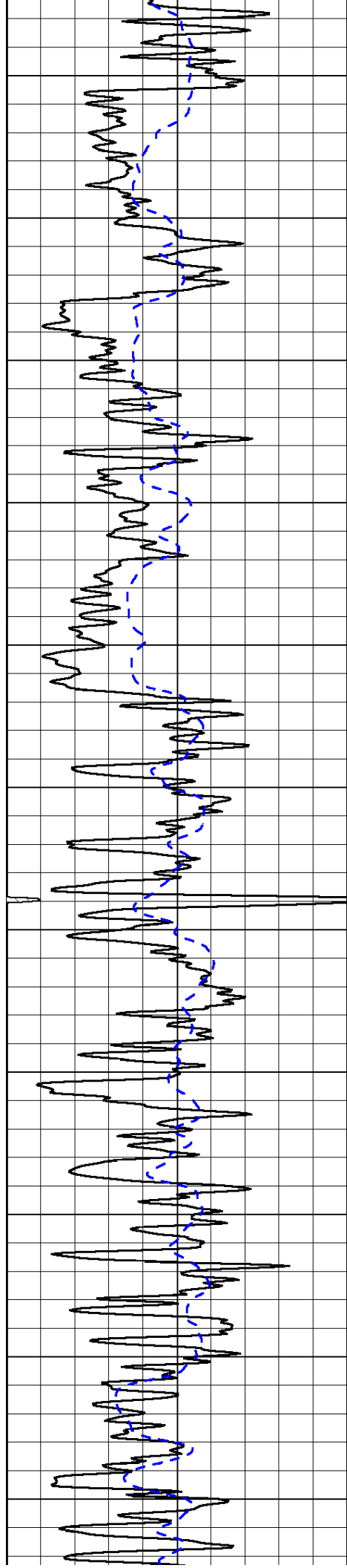
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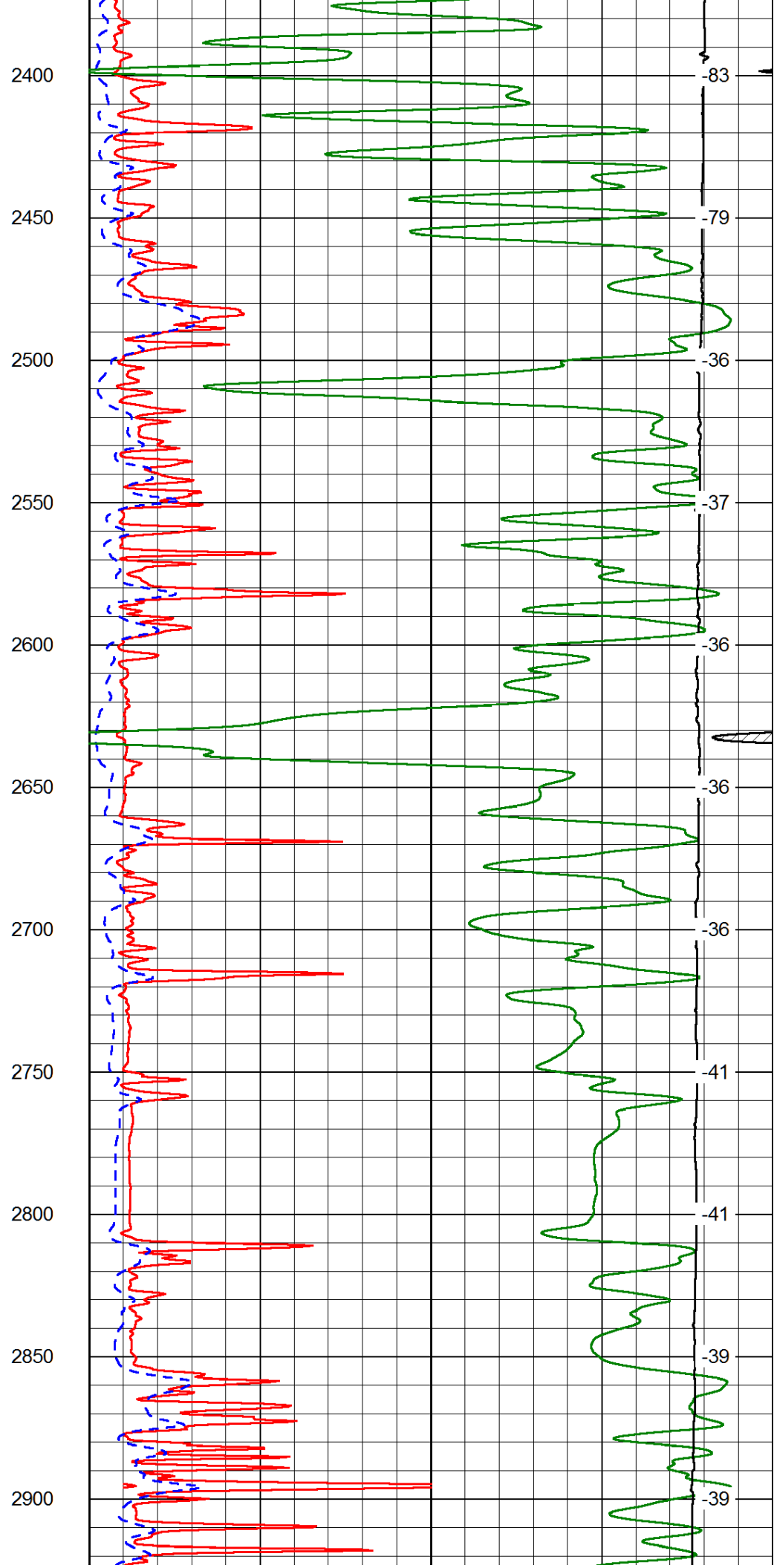
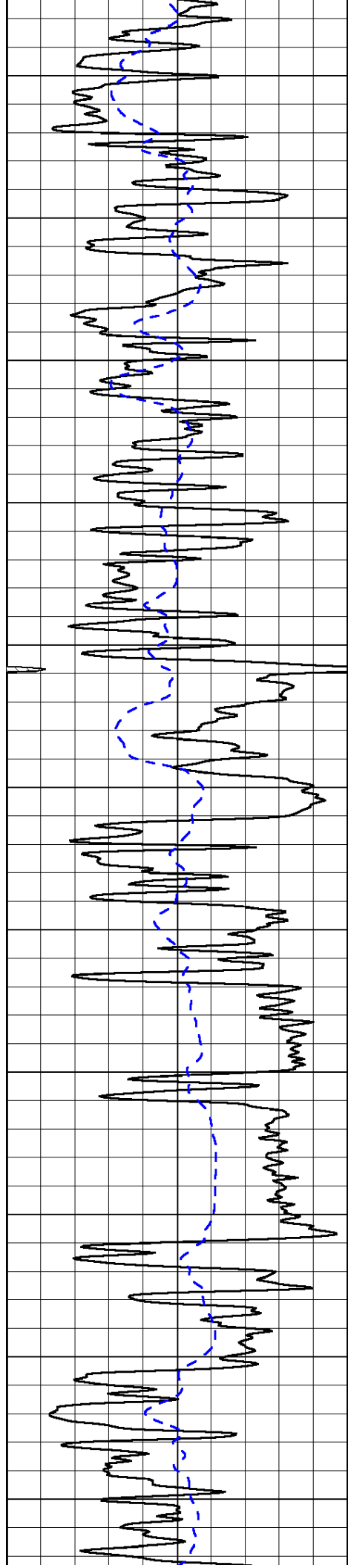
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50	Deep Resistivity	500

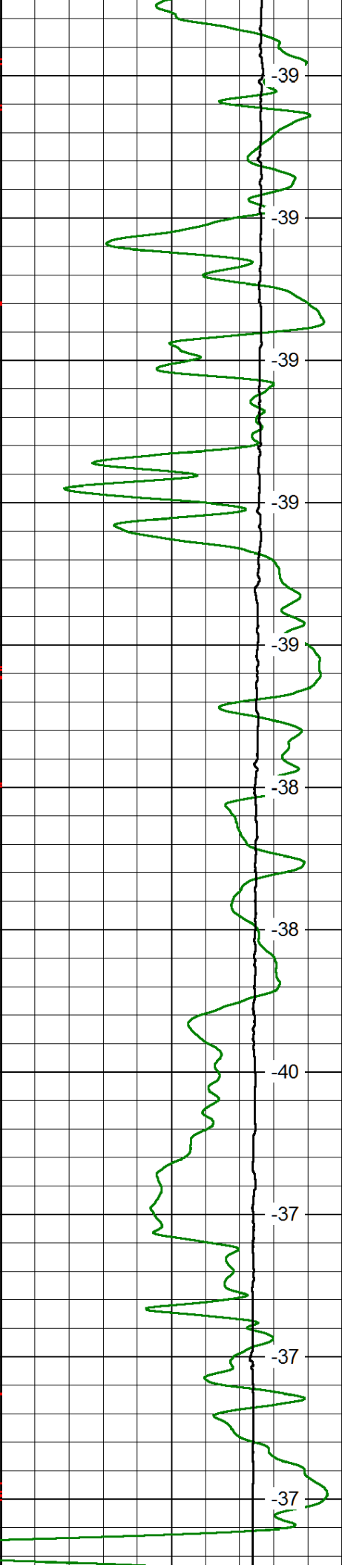
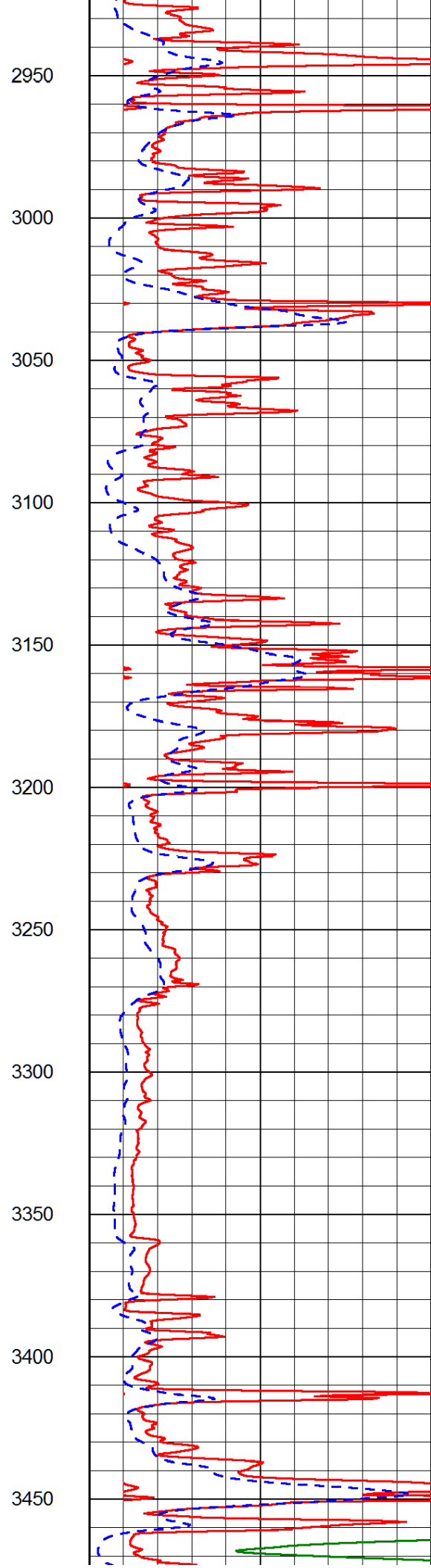
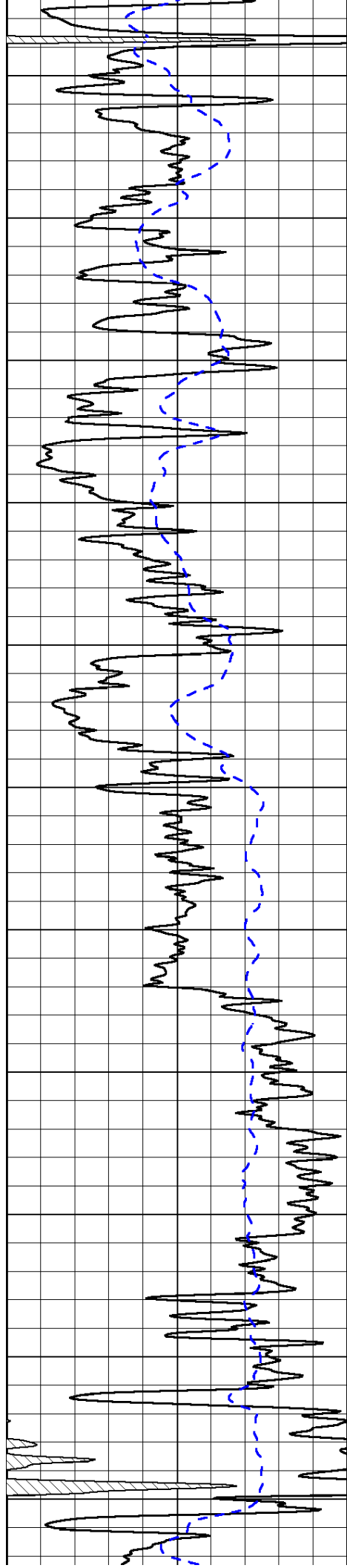


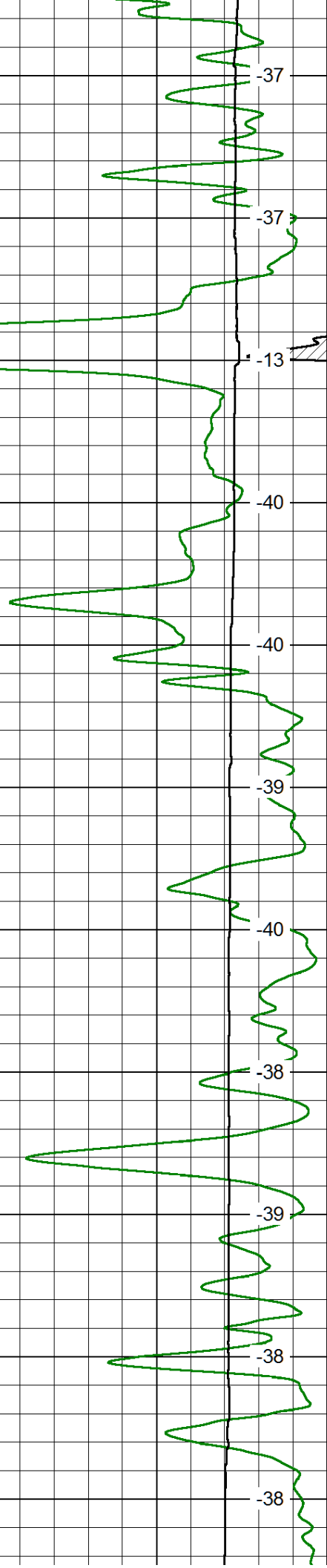
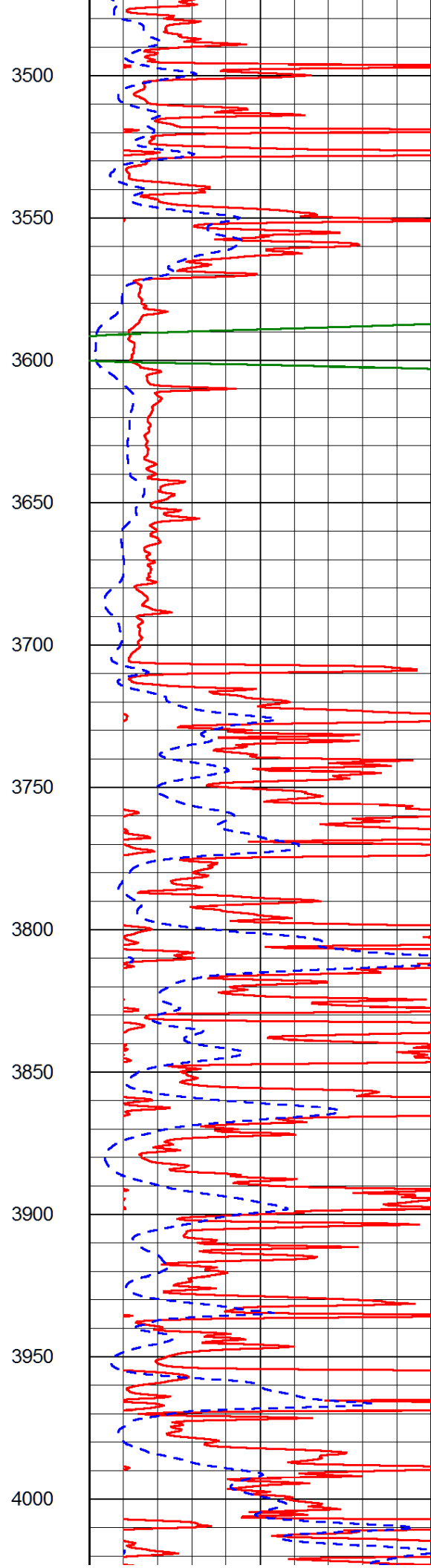
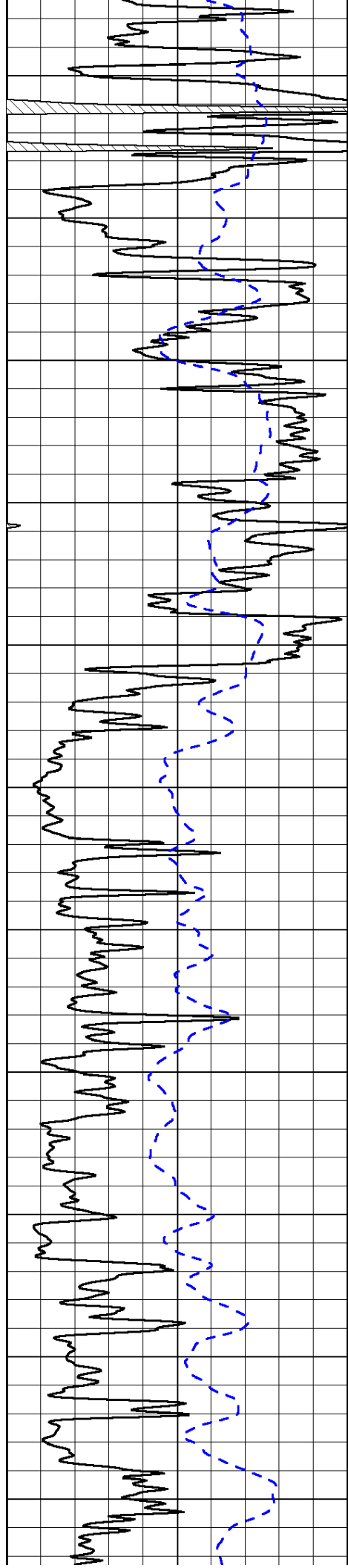


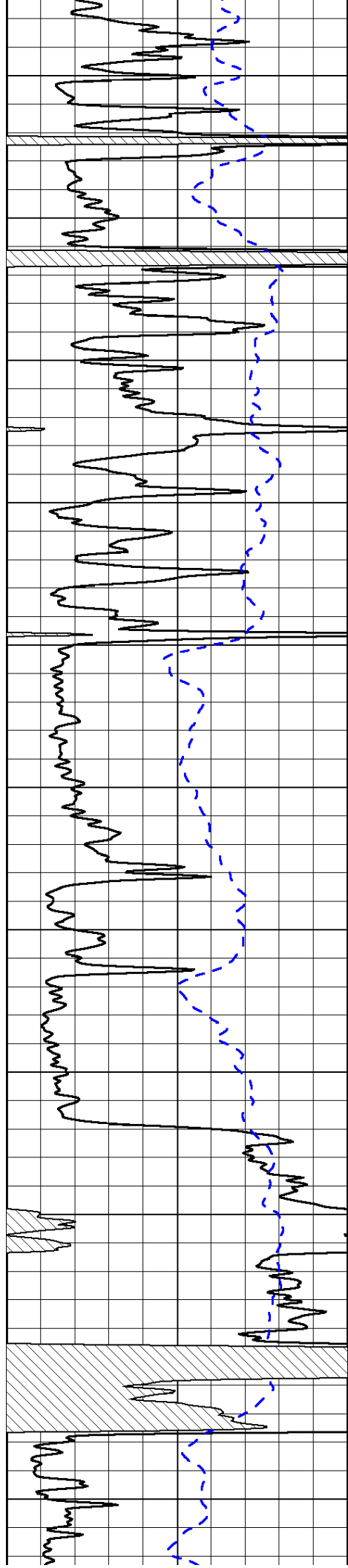












4050

4100

4150

4200

4250

4300

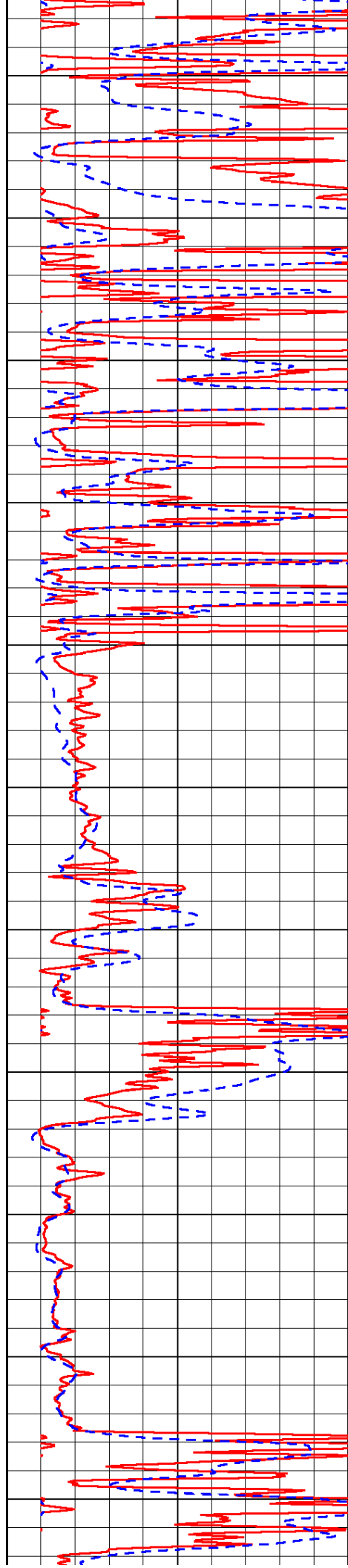
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4500

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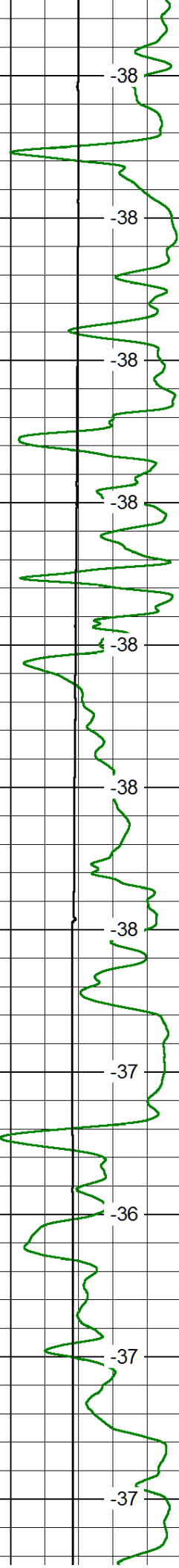
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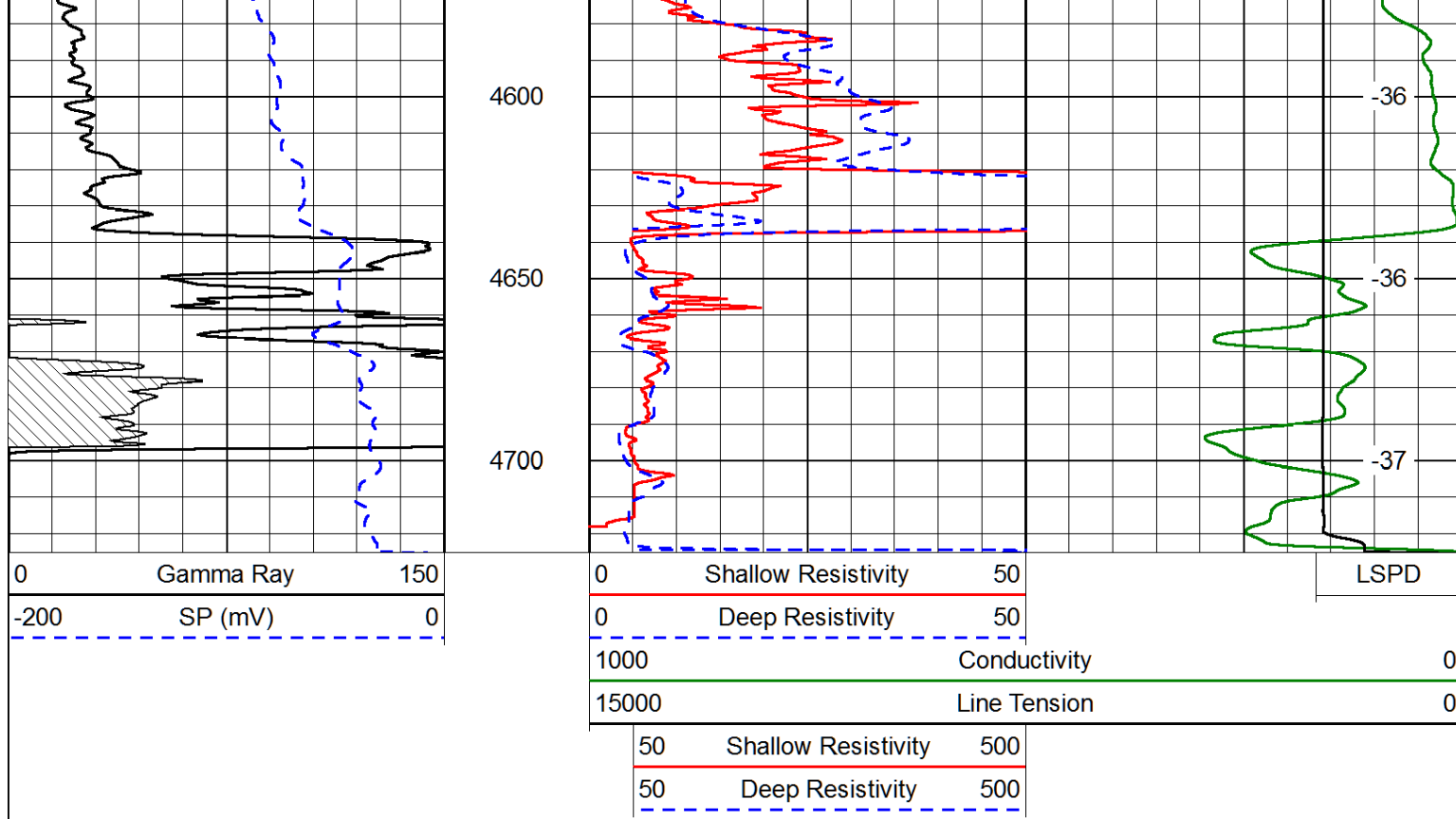
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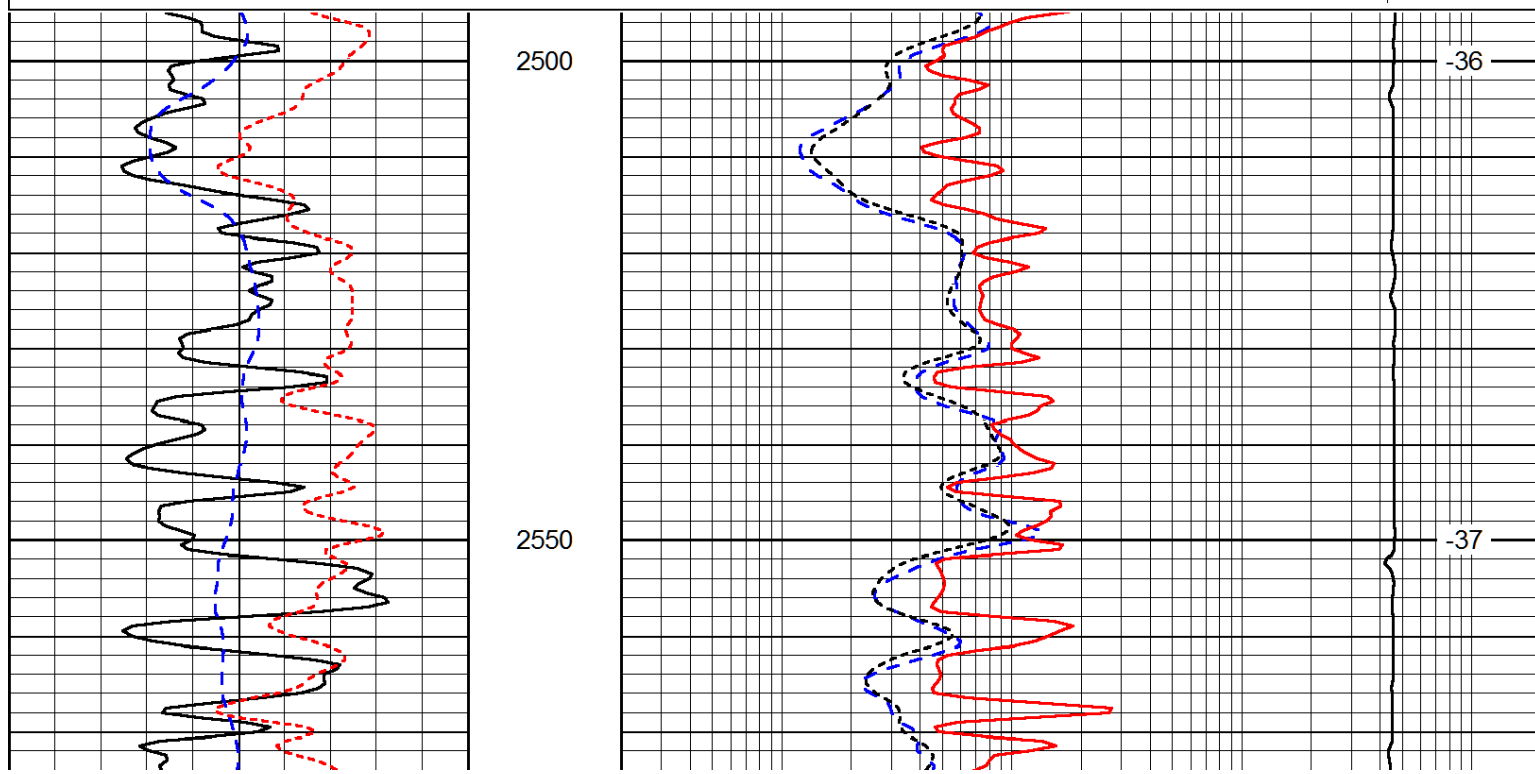
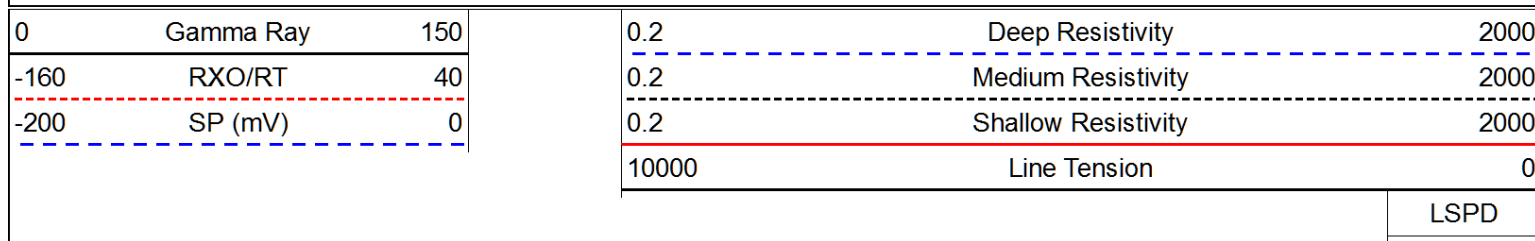
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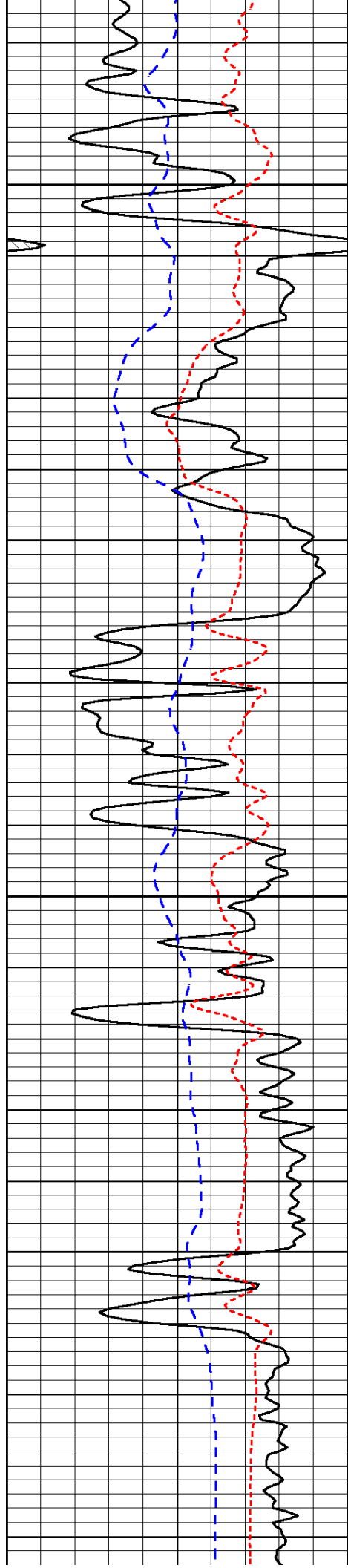
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Database File: roberts_resources_wheelock_a_2hd.db
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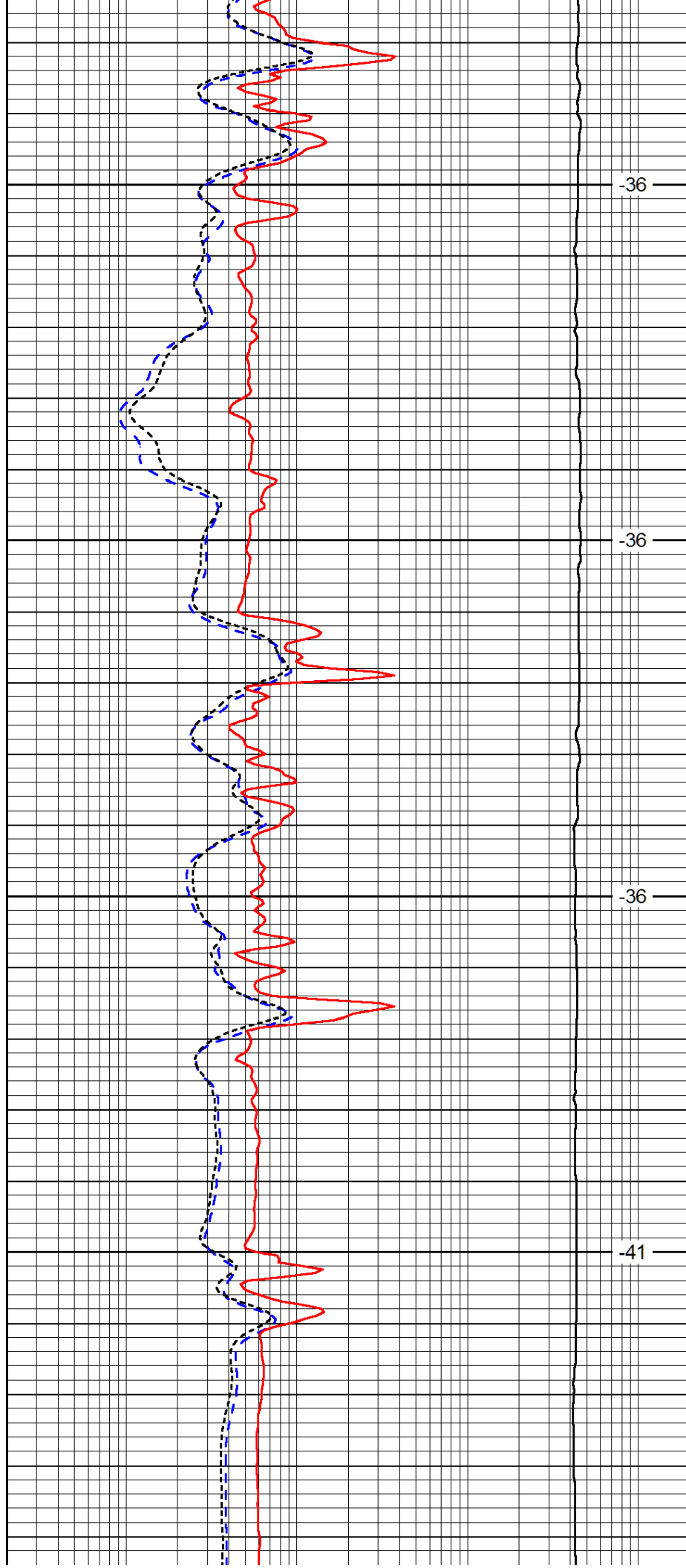


2600

2650

2700

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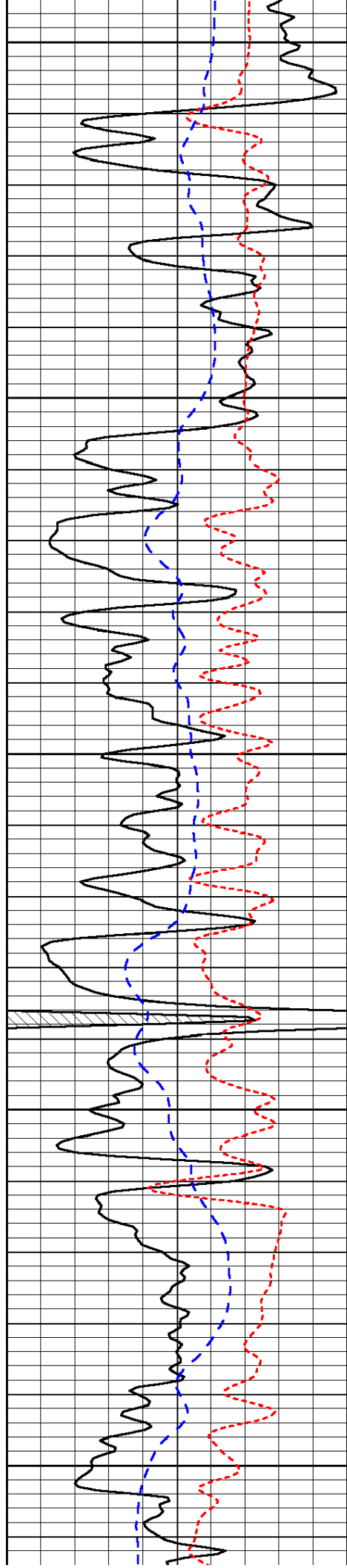


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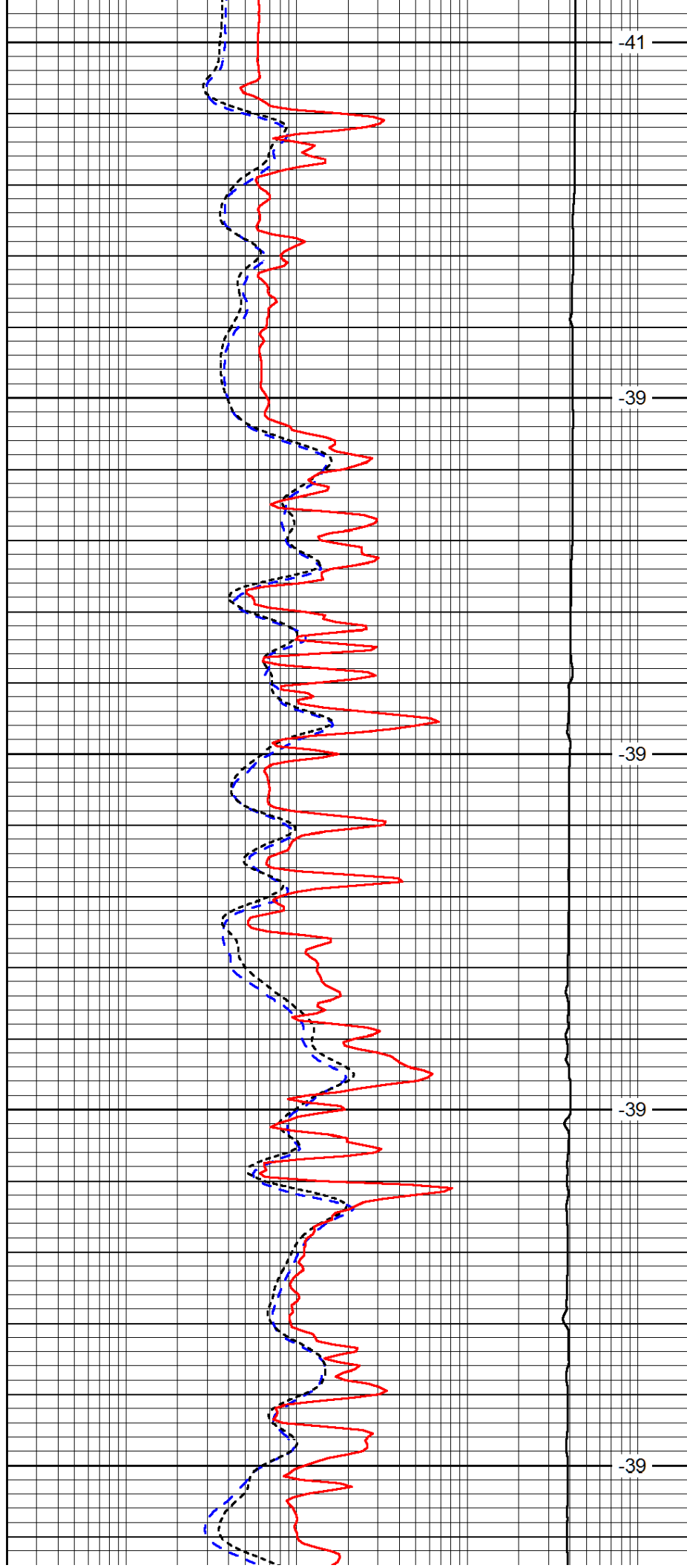
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2850

2900

2950

3000



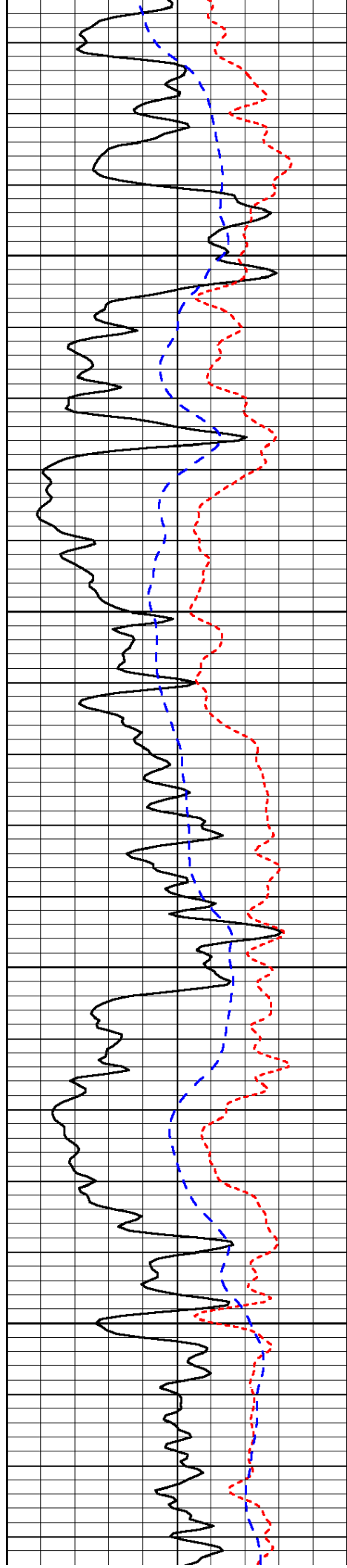
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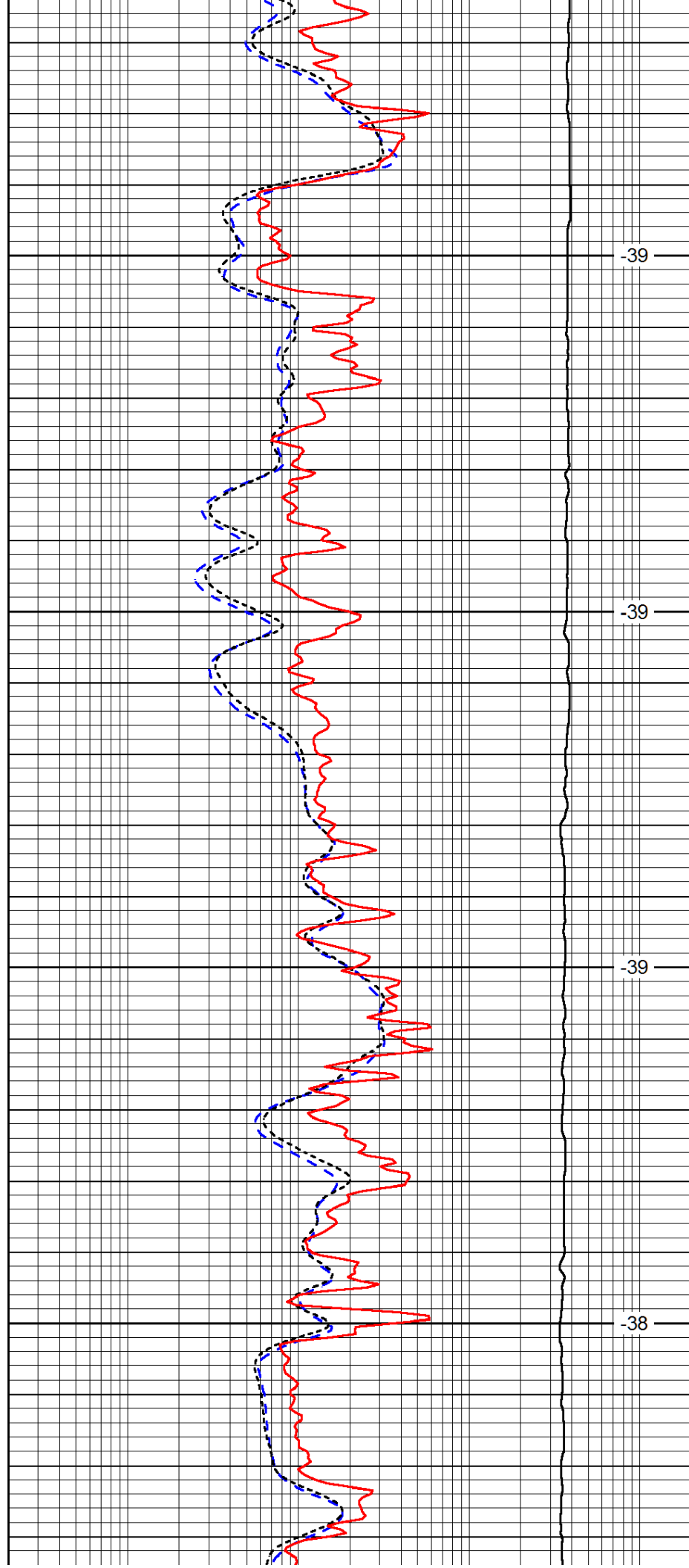


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3100

3150

3200

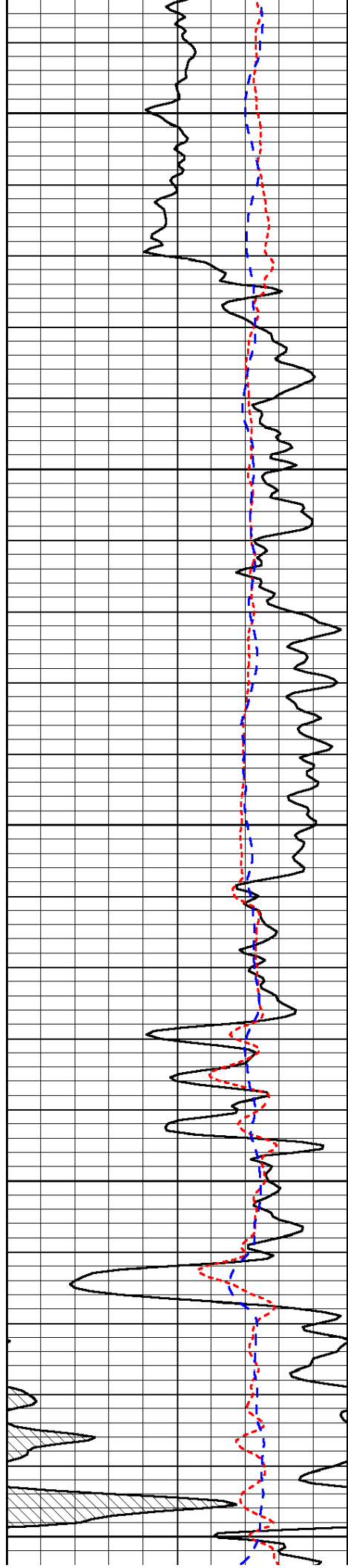


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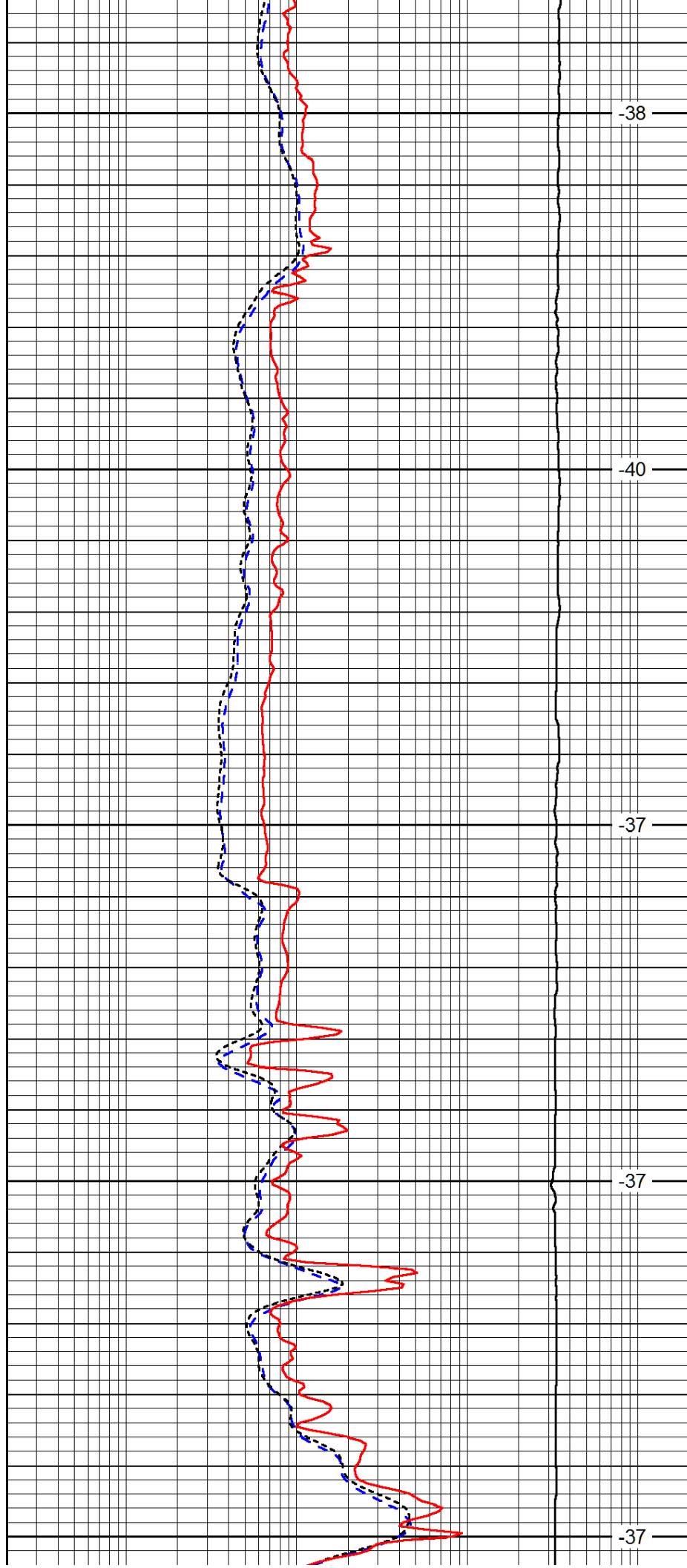
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3300

3350

3400

3450



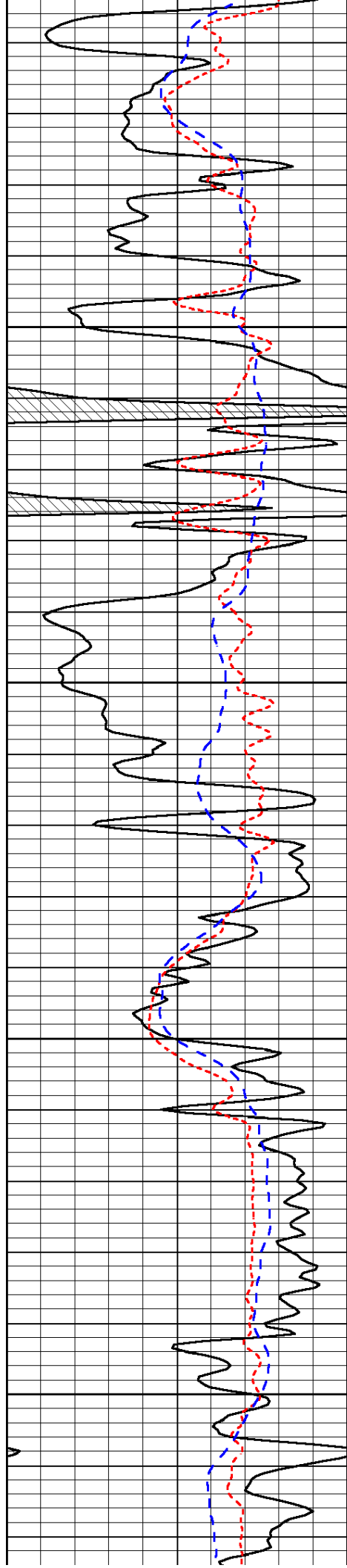
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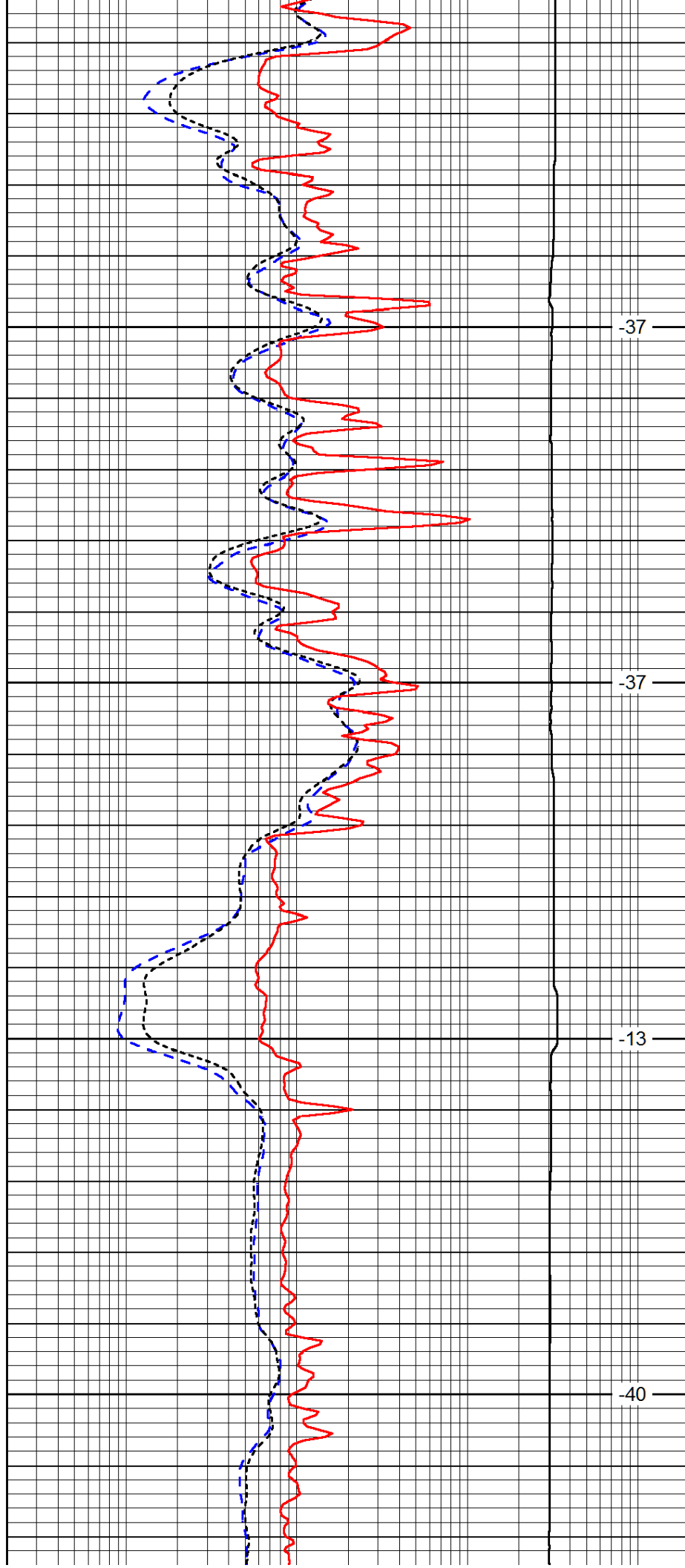


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3600

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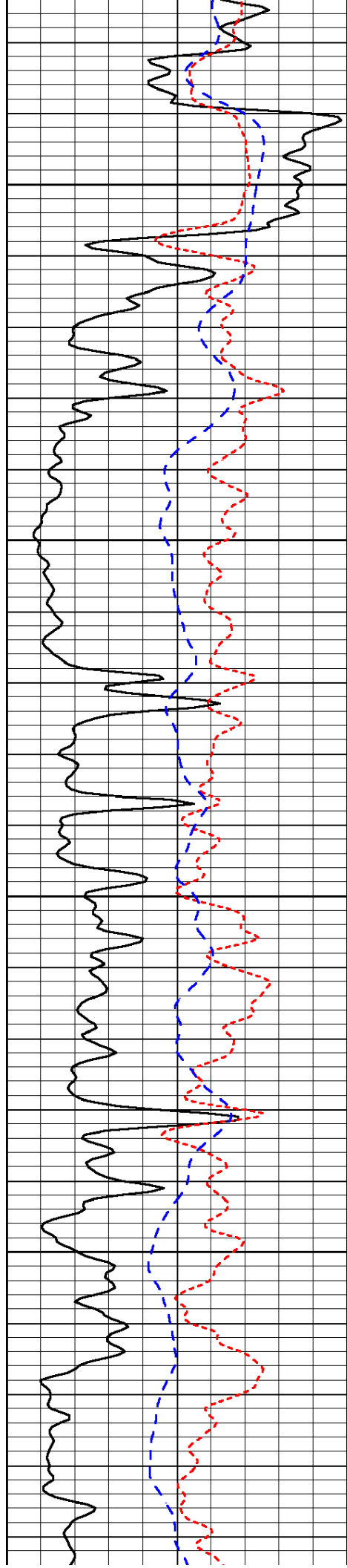


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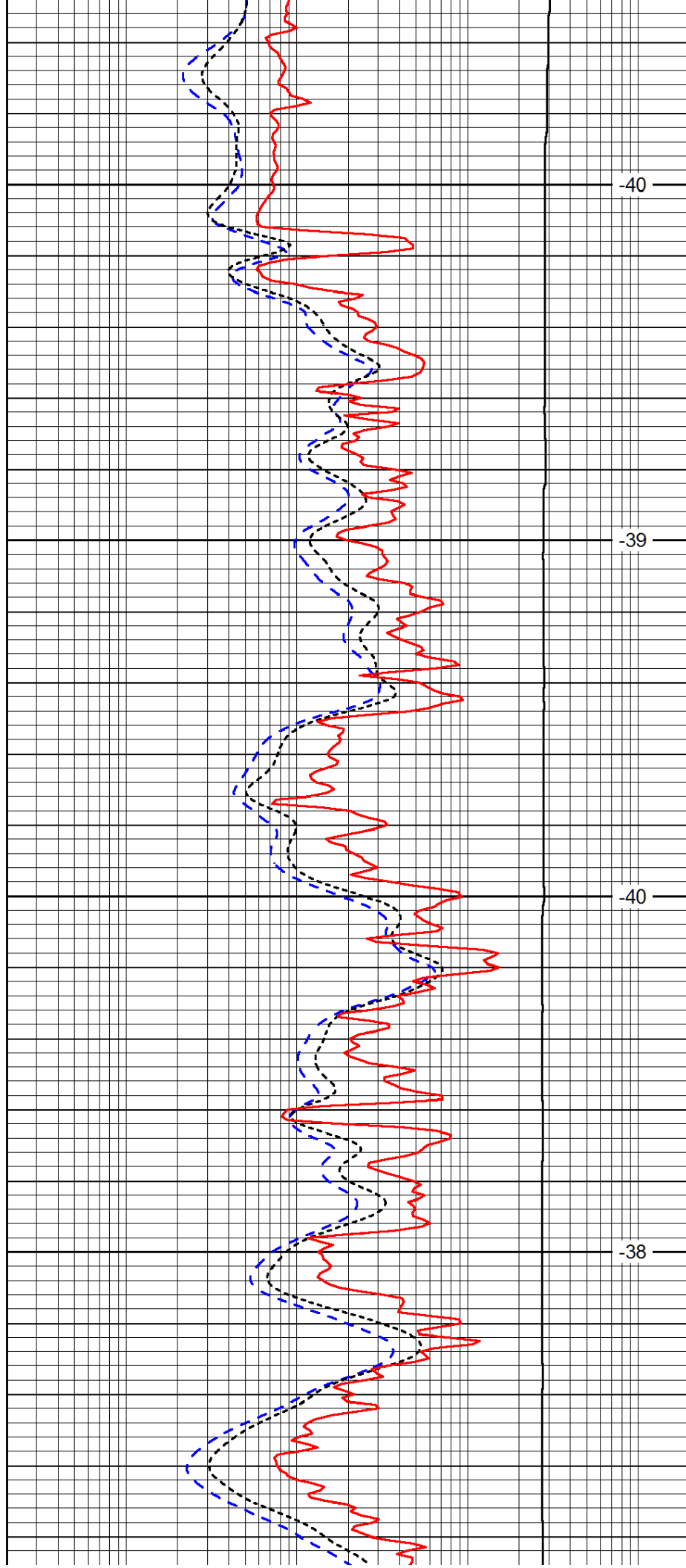


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3800

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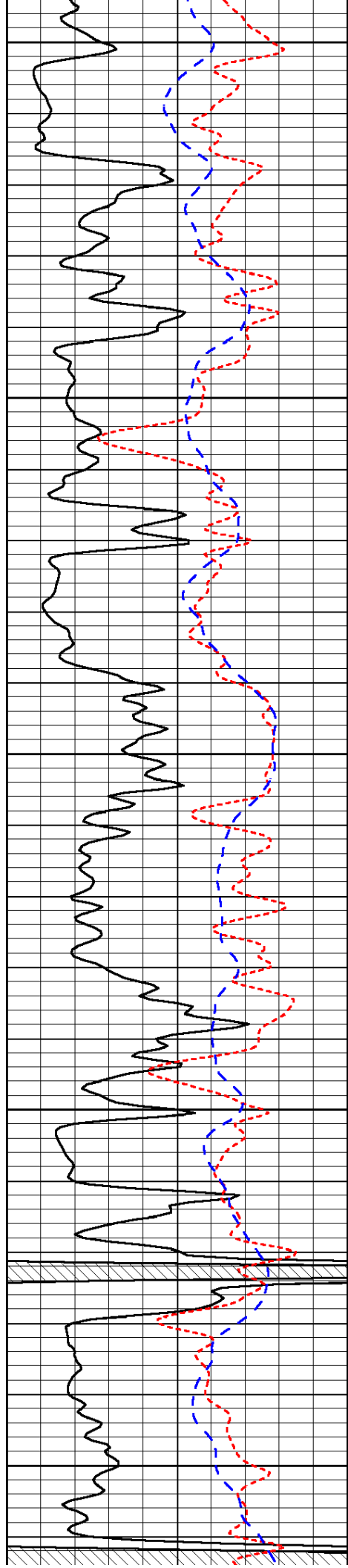


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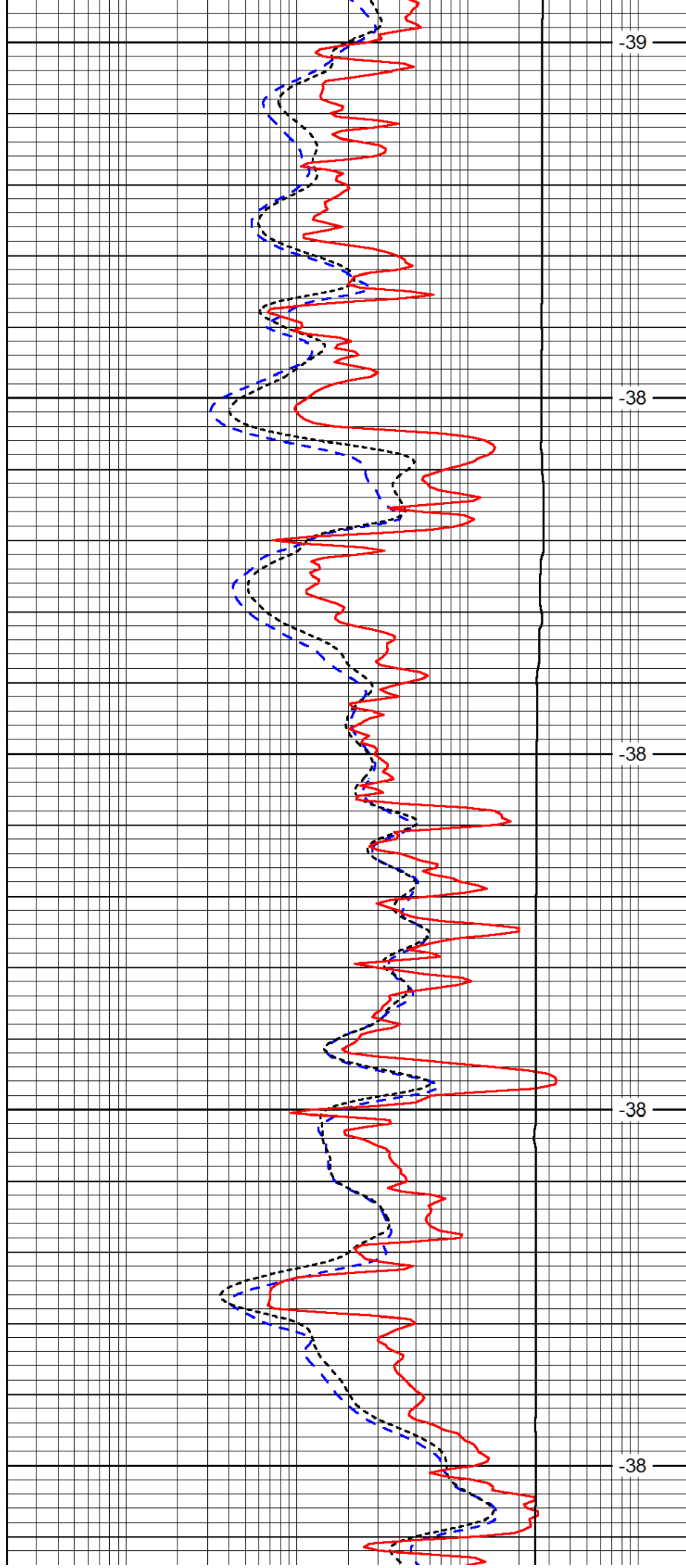
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3950

4000

4050

4100



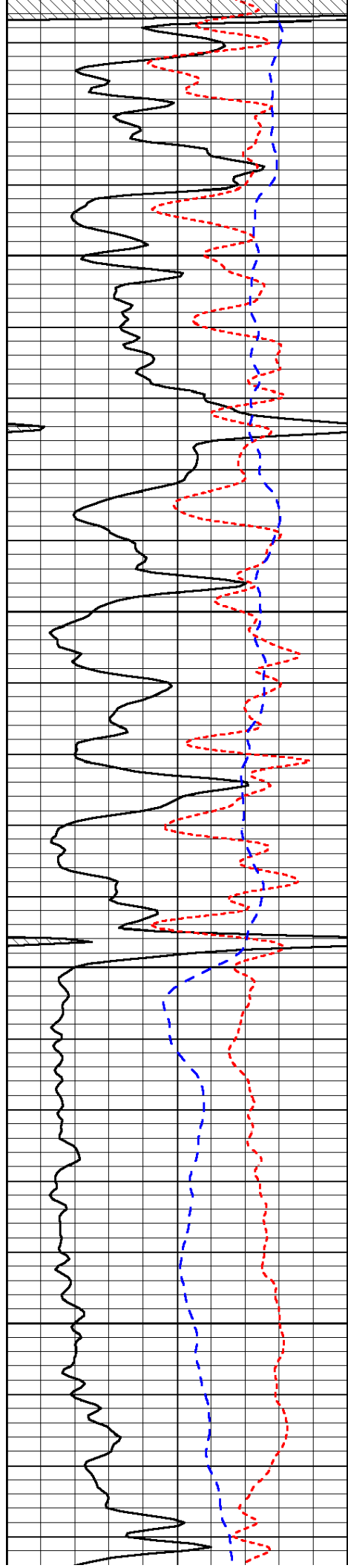
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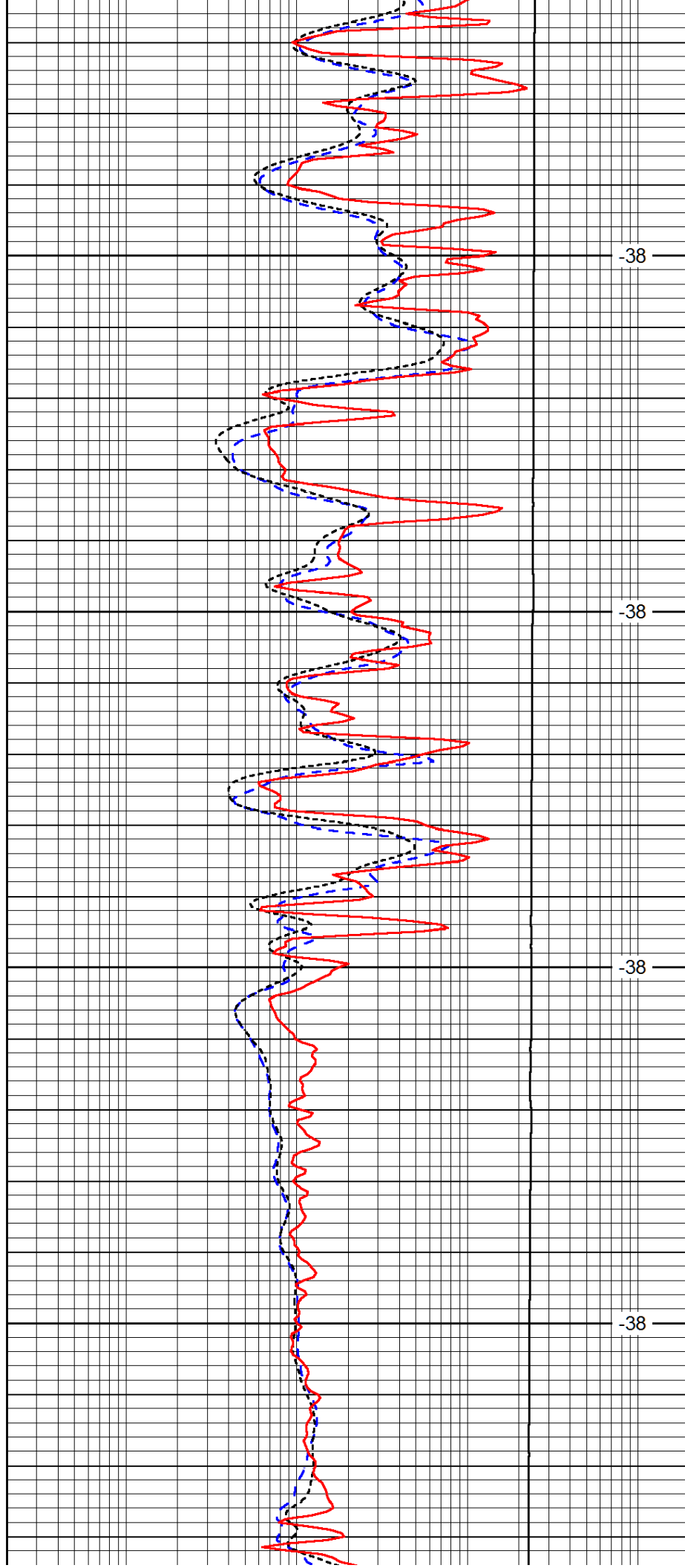


4150

4200

4250

4300

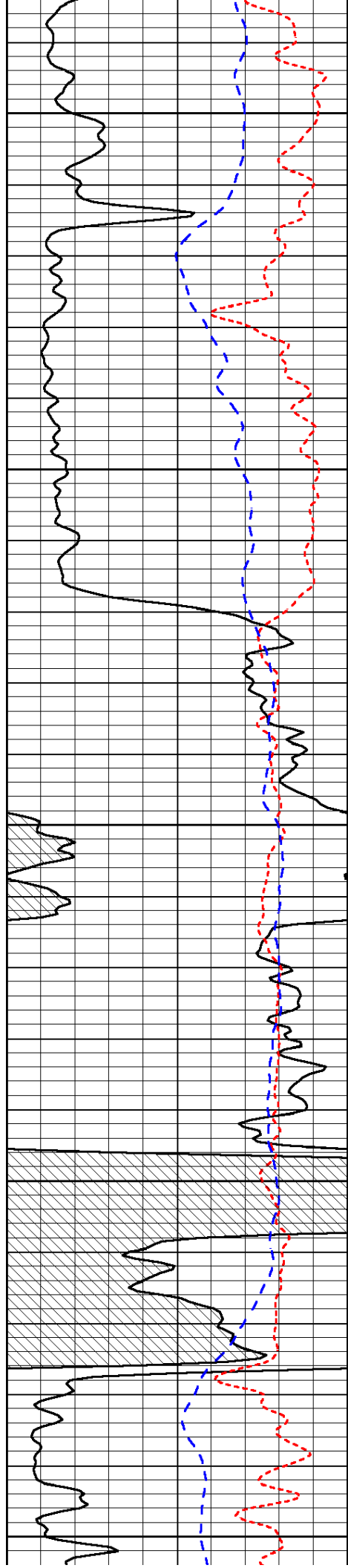


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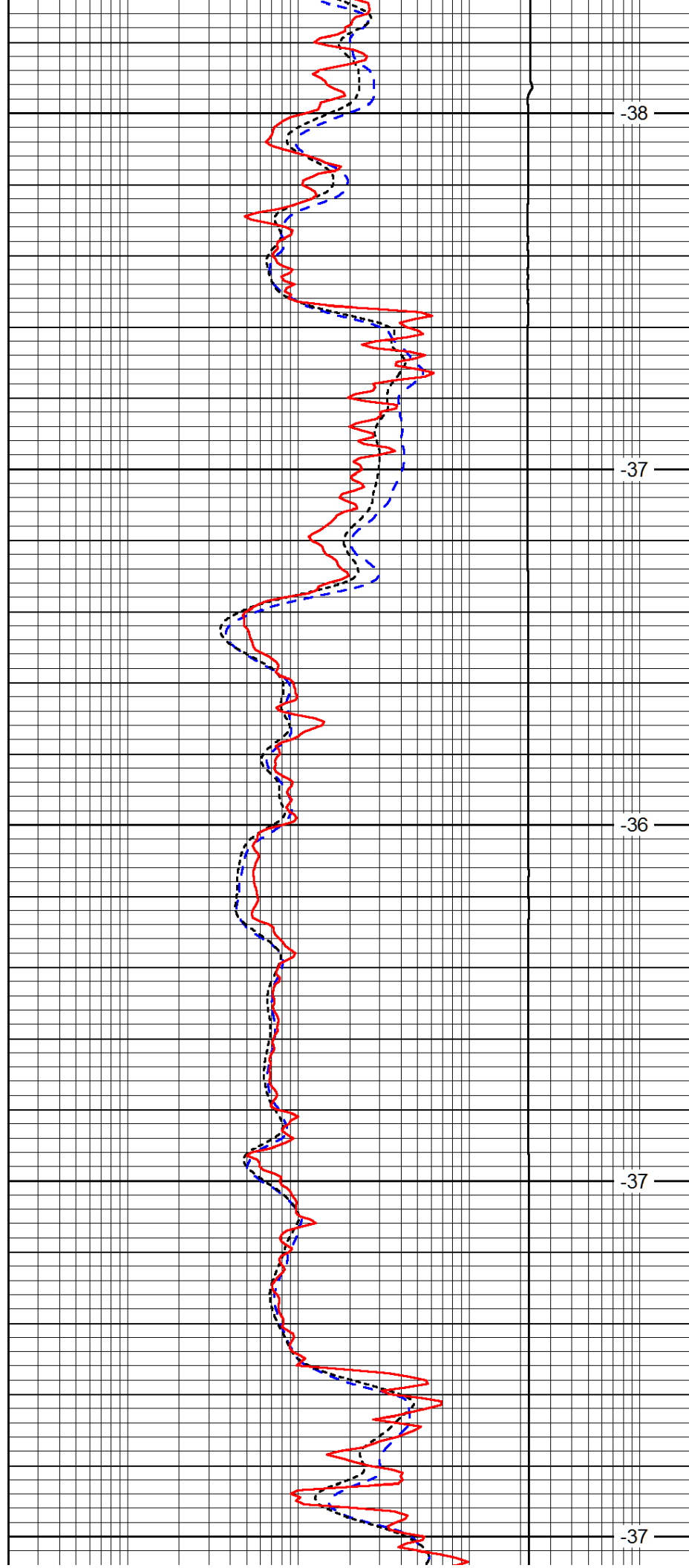
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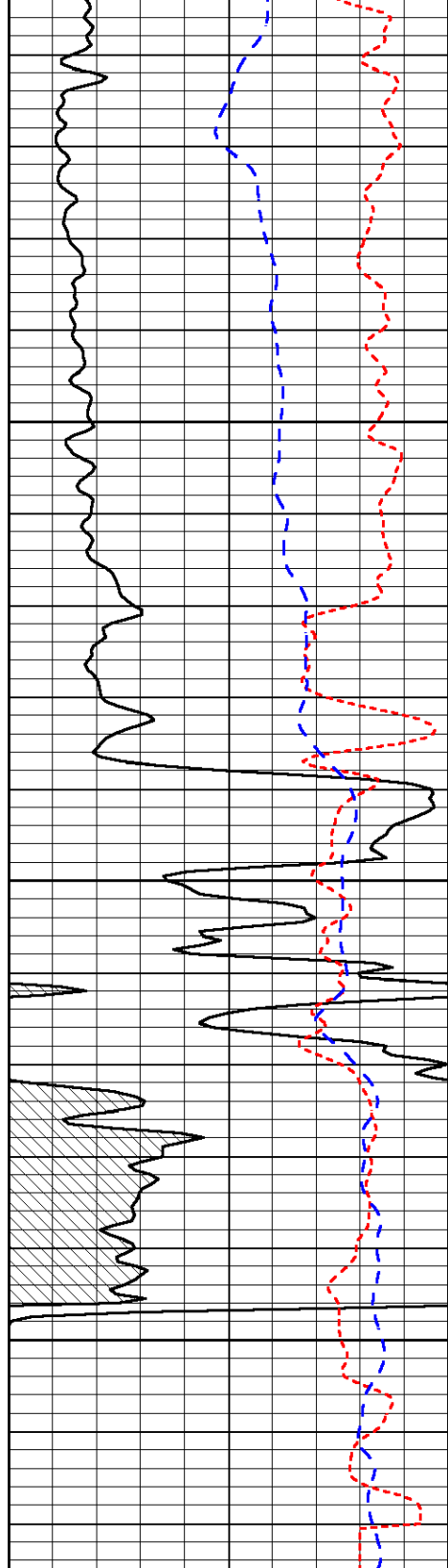
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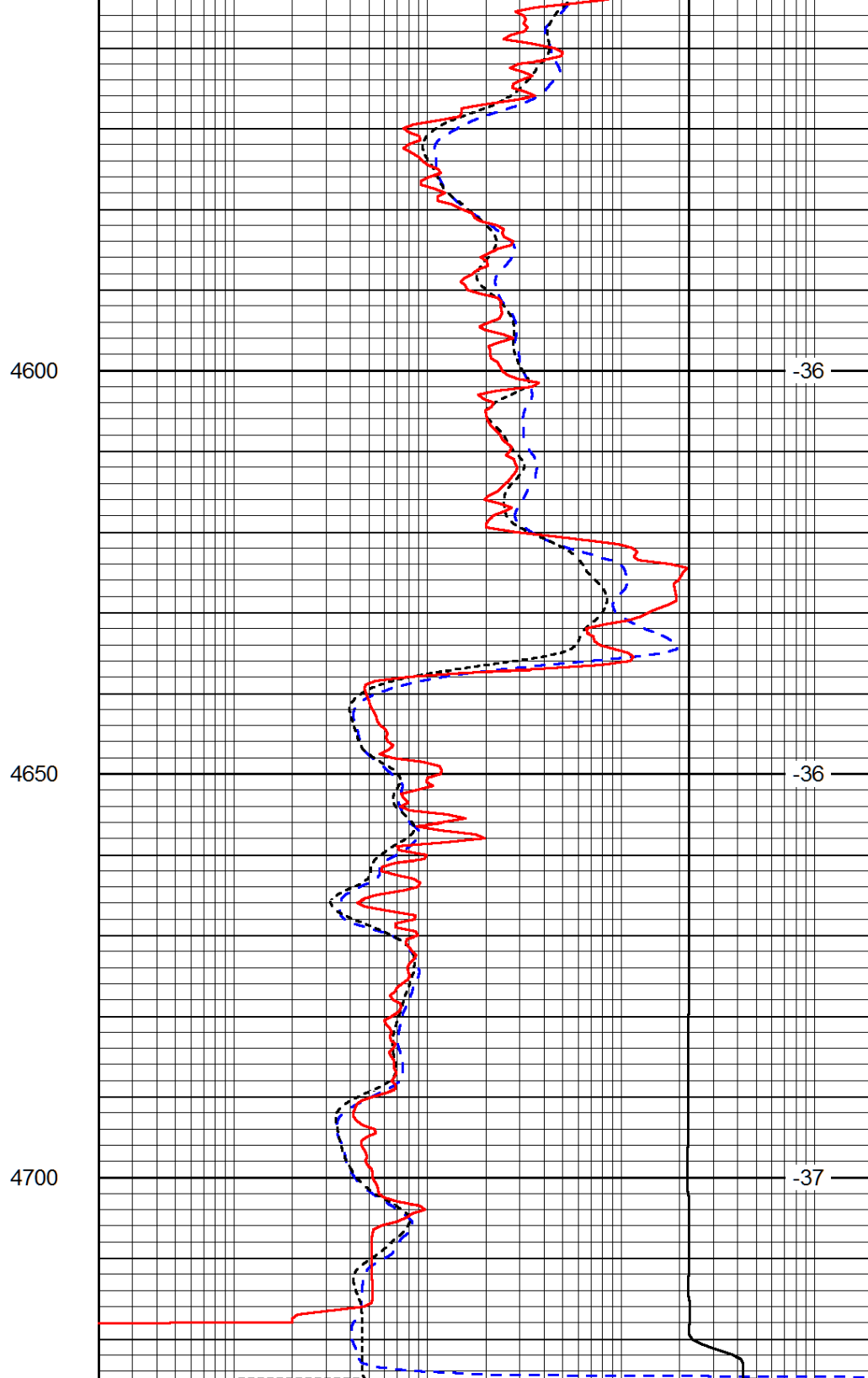
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0	Gamma Ray	150
-160	RXO/RT	40
-200	SP (mV)	0



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

LSPD