



Microresistivity Log

Pioneer Energy Services

API No.

15-077-21,915-00-00

Company **McCoy Petroleum Corporation**

Well **Halbower "A" # 2-3**

Field **Wharton**

County **Harper** State **Kansas**

Location **1980' FNL & 1980' FWL**

Sec: **3** Twp: **34 S** Rge: **8 W**

Permanent Datum **Ground Level** Elevation **1368**

Log Measured From **Kelly Bushing** 9 Ft. Above Perm. Datum

Drilling Measured From **Kelly Bushing**

Other Services
CNL/CDL
DIL

Elevation
K.B. 1377
D.F. 1368
G.L. 1368

Date **4/4/2013**

Run Number **Two**

Depth Driller **4740**

Depth Logger **4739**

Bottom Logged Interval **4738**

Top Log Interval **3400**

Casing Driller **8.625 @ 270**

Casing Logger **261**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity, ppm CL **4000**

Density / Viscosity **9.1 @ 66**

pH / Fluid Loss **9.5 @ 10.4**

Source of Sample **Flowline**

Rm @ Meas. Temp **.71 @ 64**

Rmf @ Meas. Temp **.53 @ 64**

Rmc @ Meas. Temp **.96 @ 64**

Source of Rmf / Rmc **Charts**

Rm @ BHT **.37 @ 123**

Operating Rig Time **5 Hours**

Max Rec. Temp. F **123**

Equipment Number **15**

Location **Hays**

Recorded By **D. Kerr**

Witnessed By **David Williams**

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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

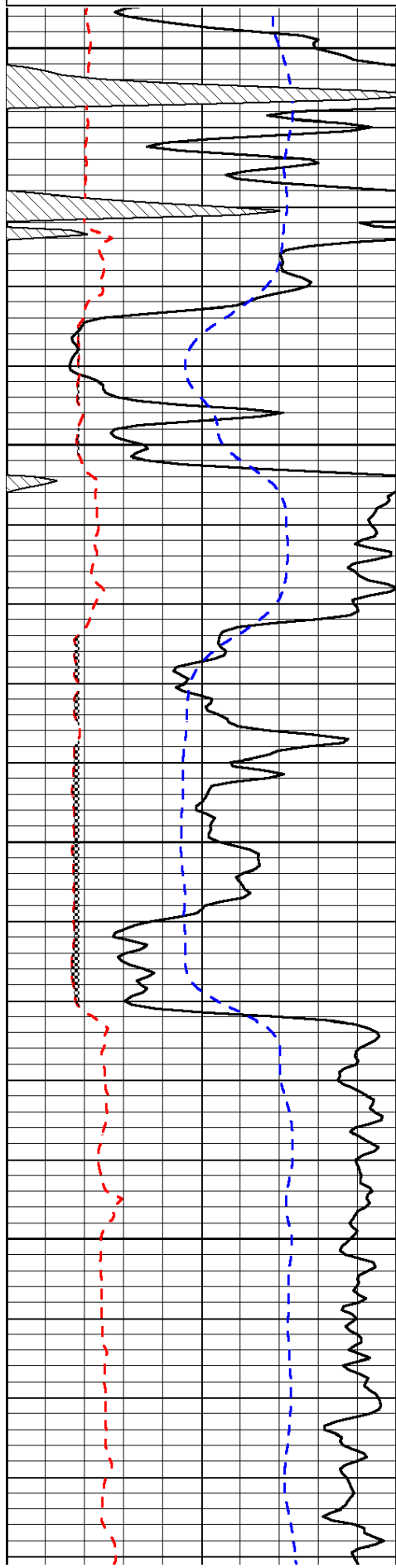
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Anthony KS, 6 West to 60 RD,
2 South, 1 5/8 West, South Into

Database File: c:\warrior\data\mccoy_halfower a # 2-3\mccoy_halfower_a_2_3hd.db
Dataset Pathname: DIL\mcoystk
Presentation Format: micro
Dataset Creation: Thu Apr 04 04:19:55 2013
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:2.15

0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

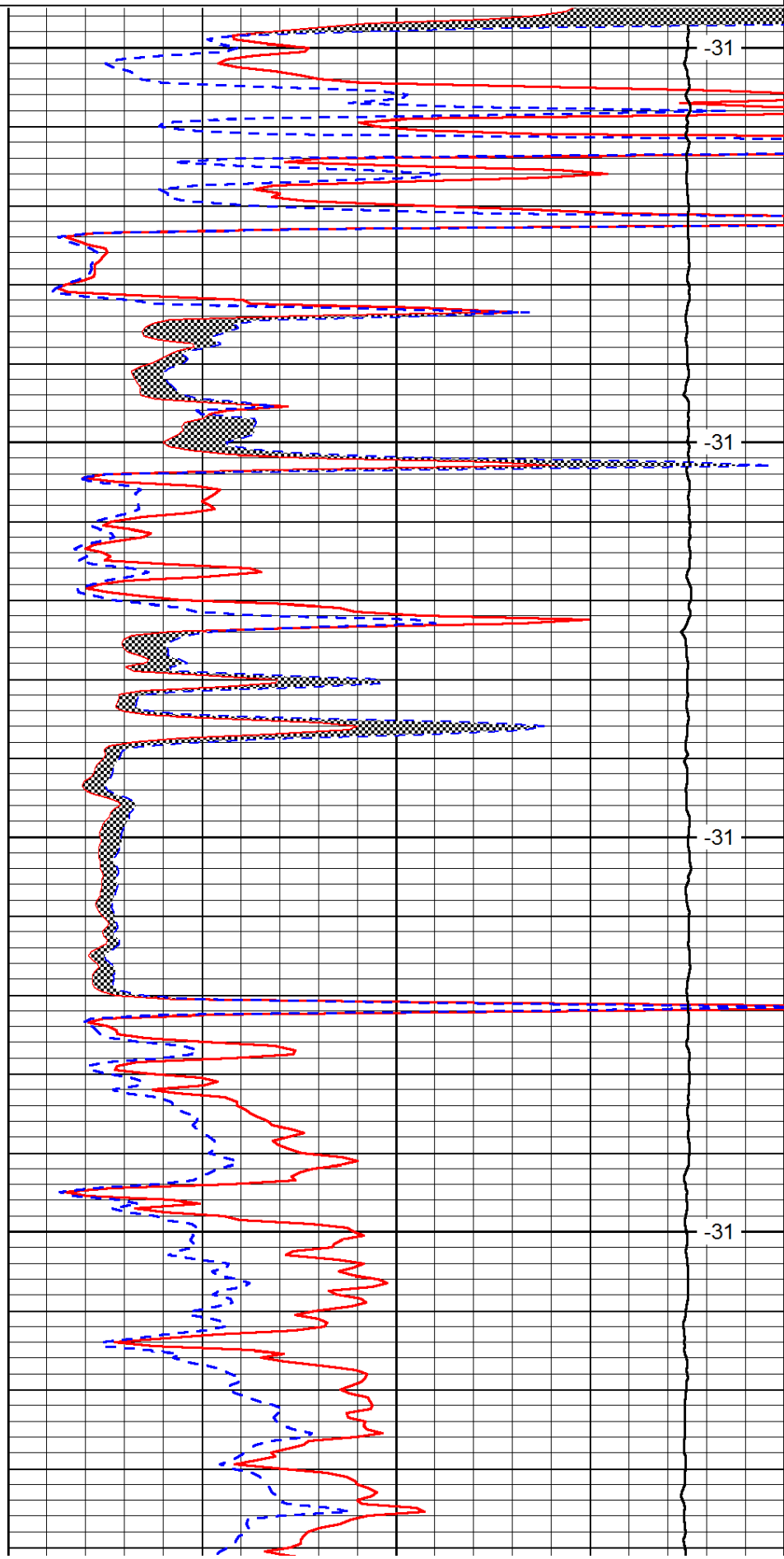


3400

3450

3500

3550



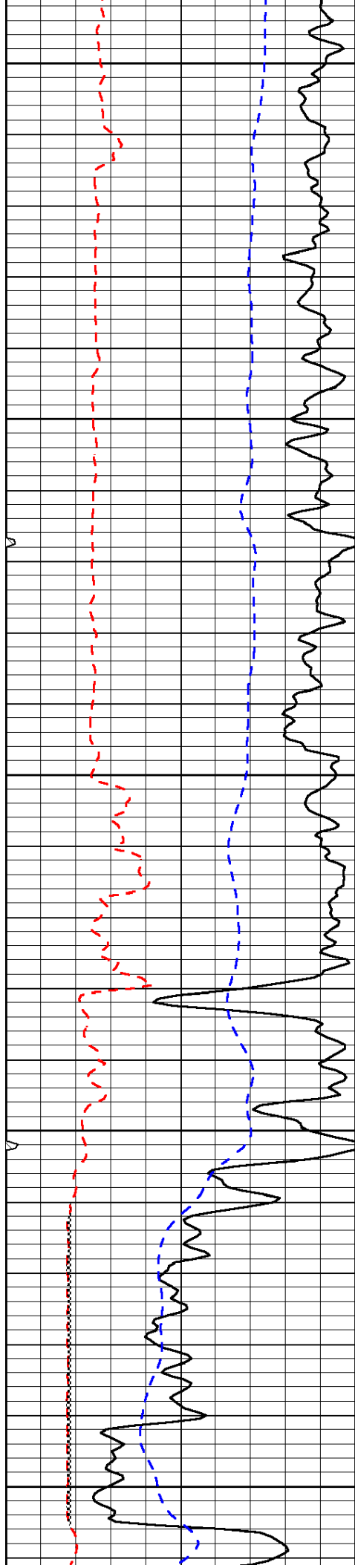
LSPD

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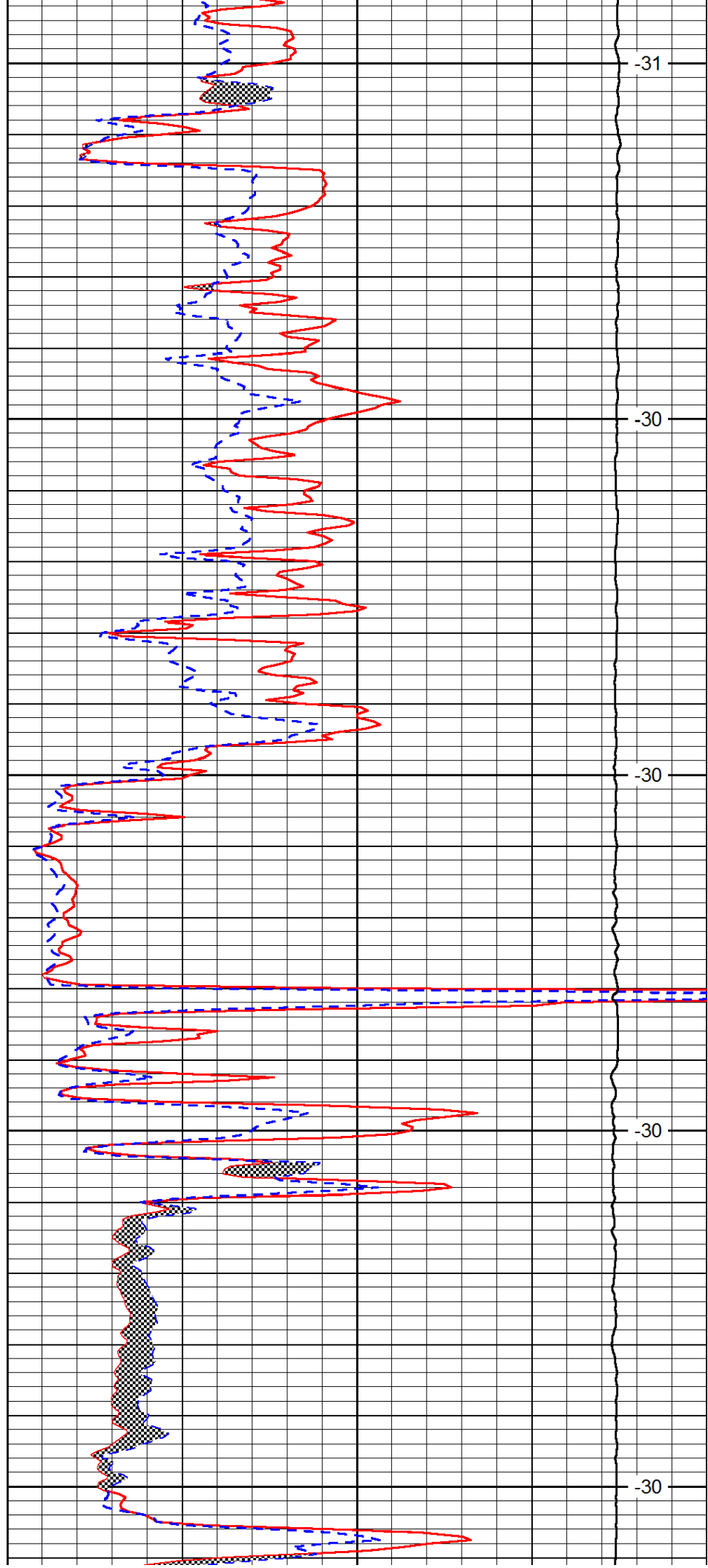
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3700

3750

3800



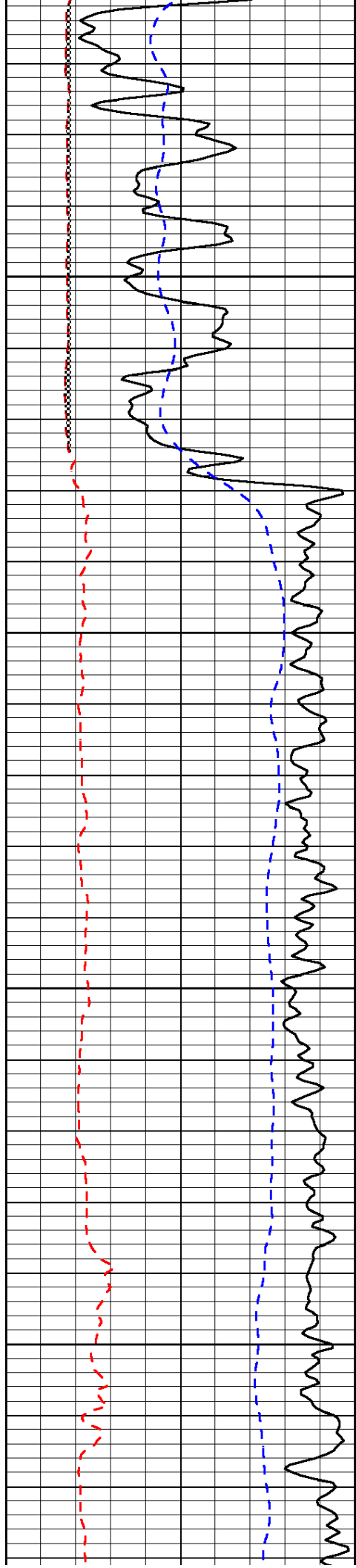
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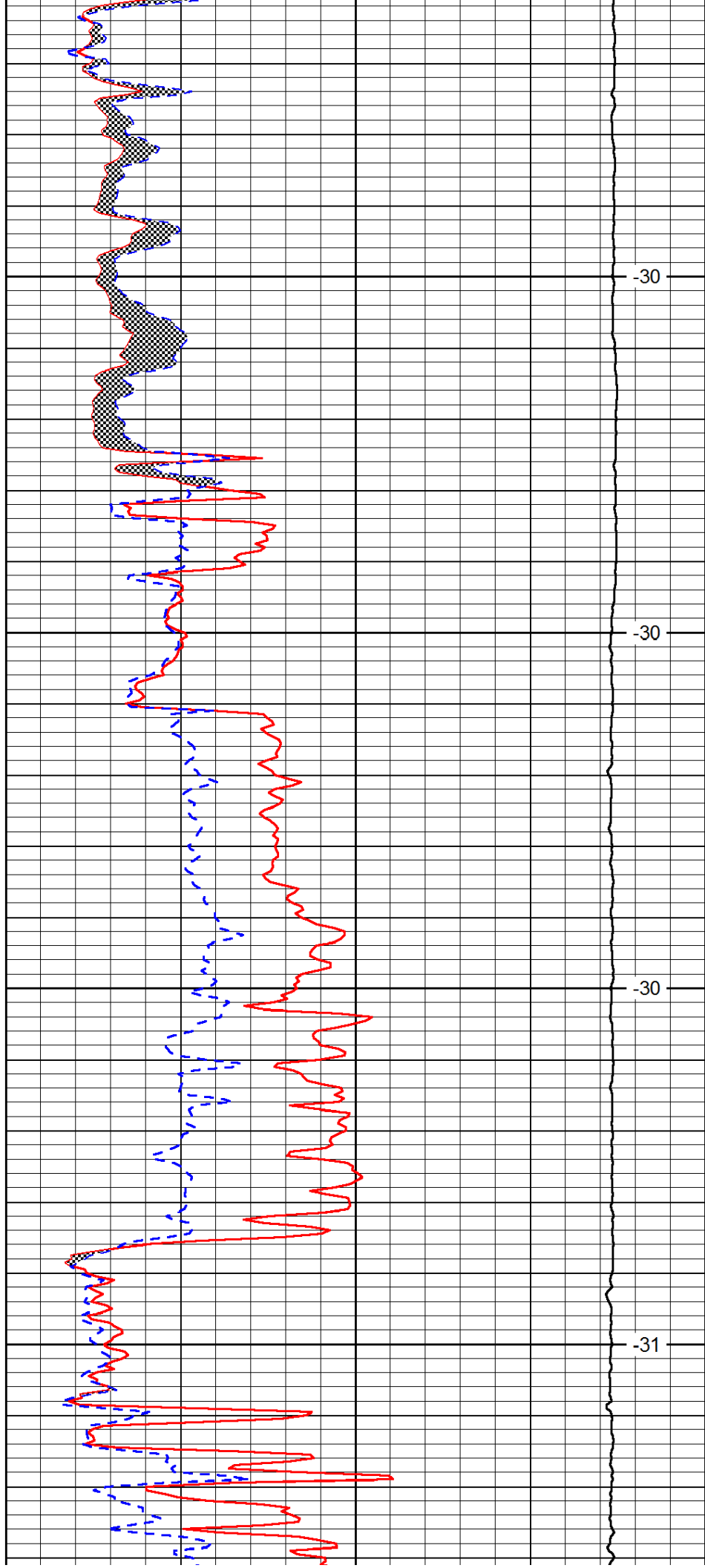


3850

3900

3950

4000

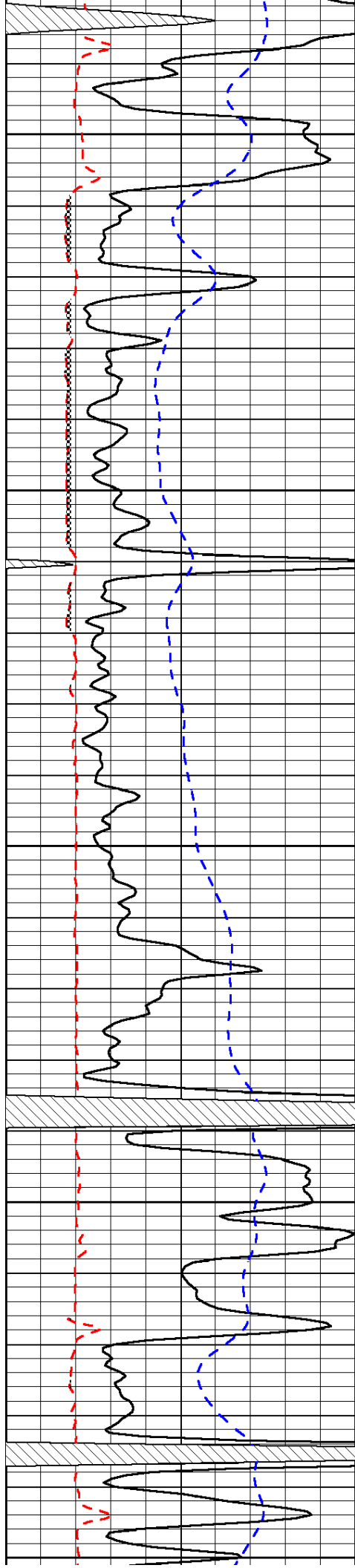


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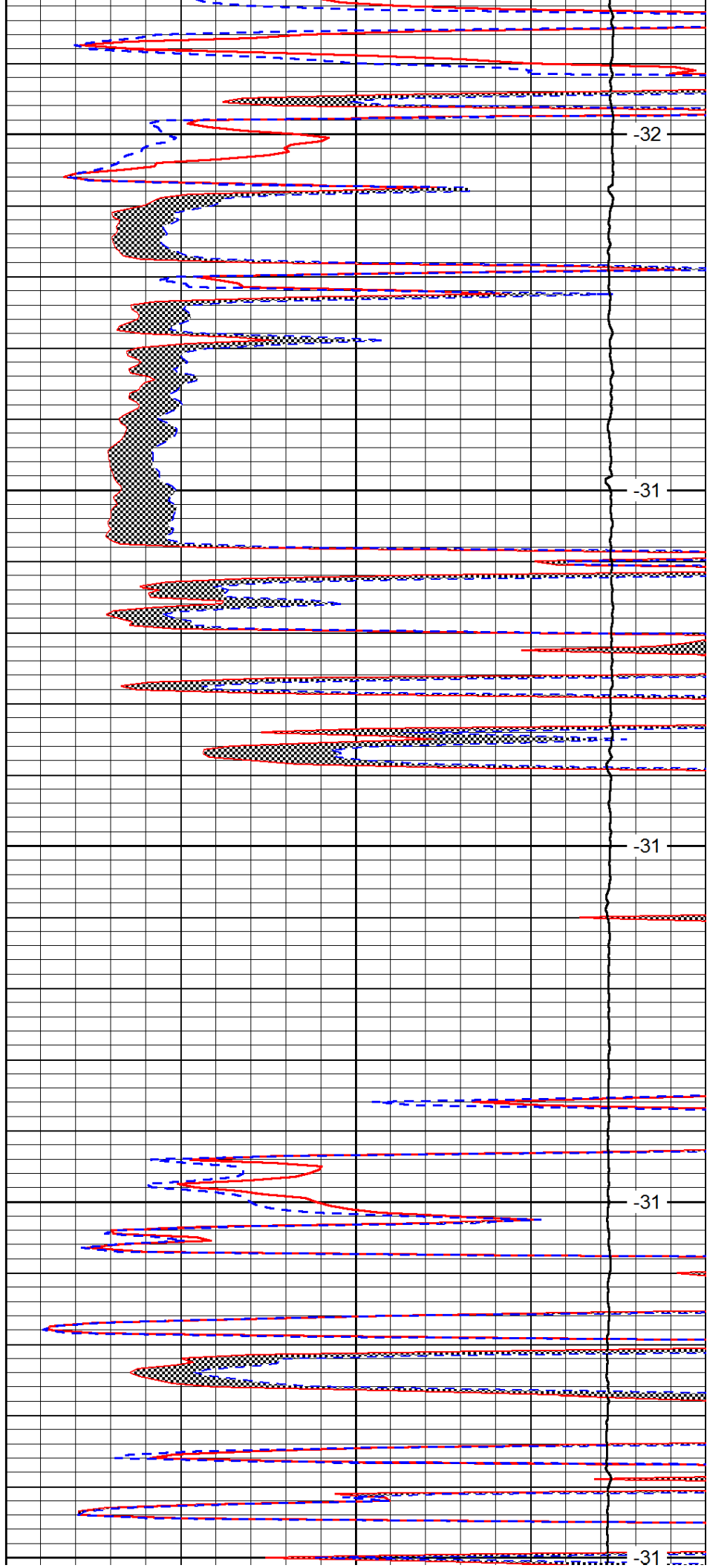
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4100

4150

4200

4250



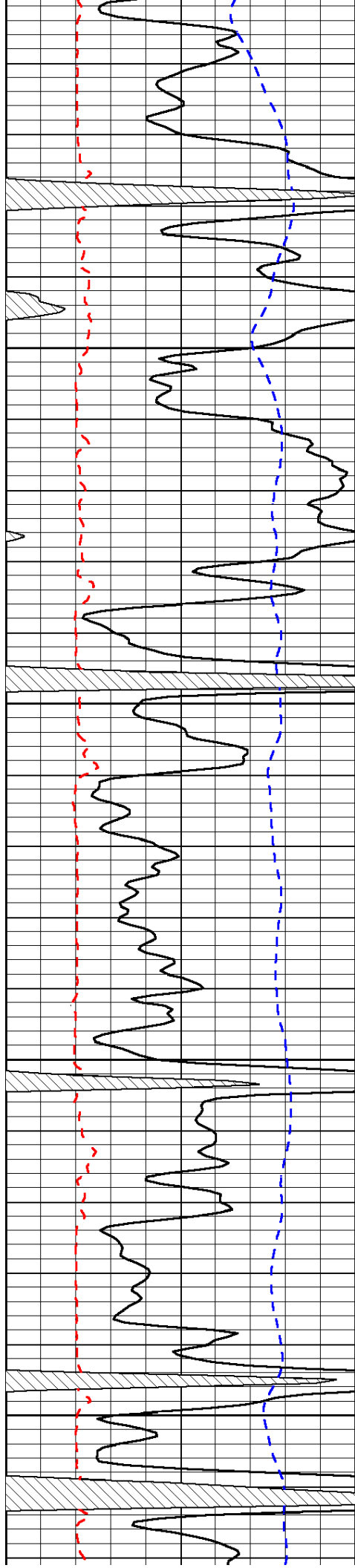
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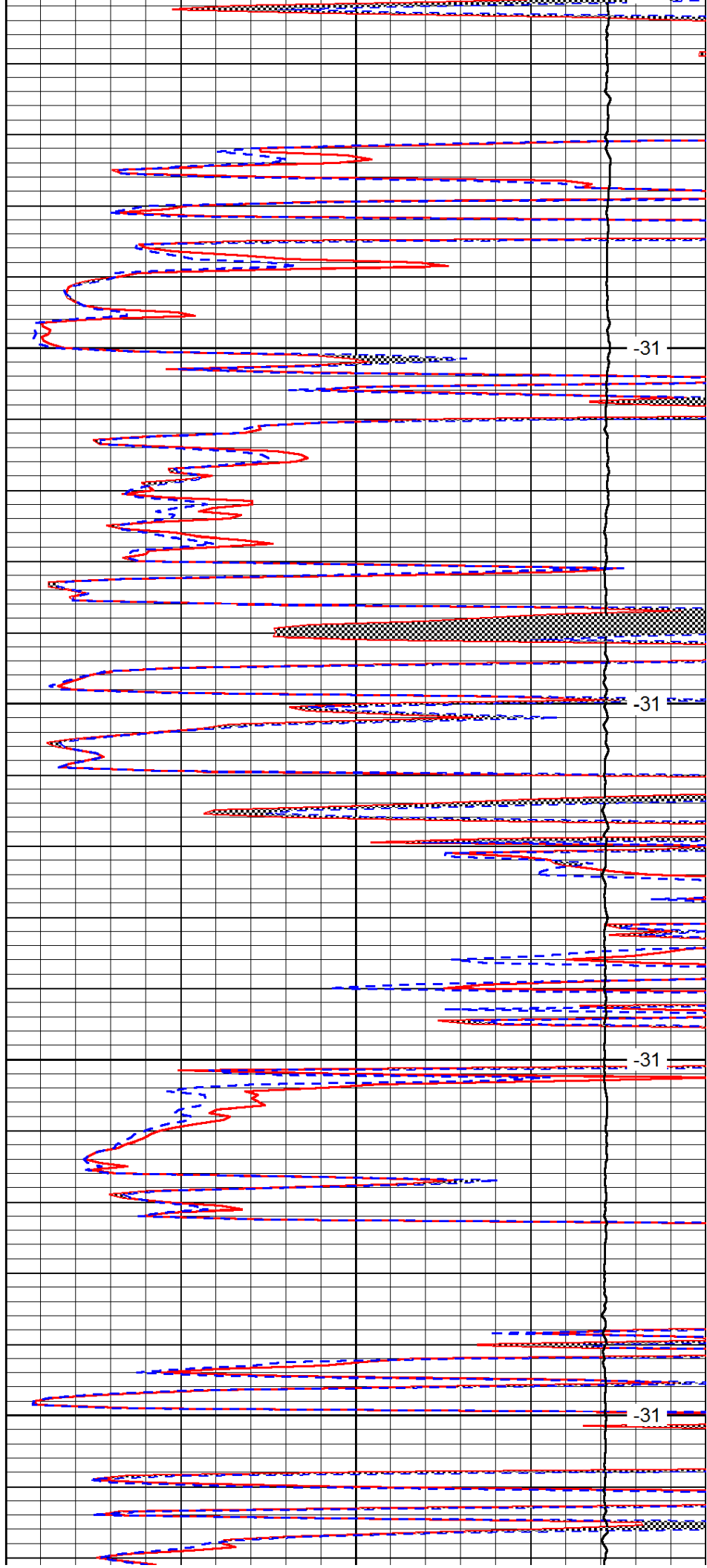


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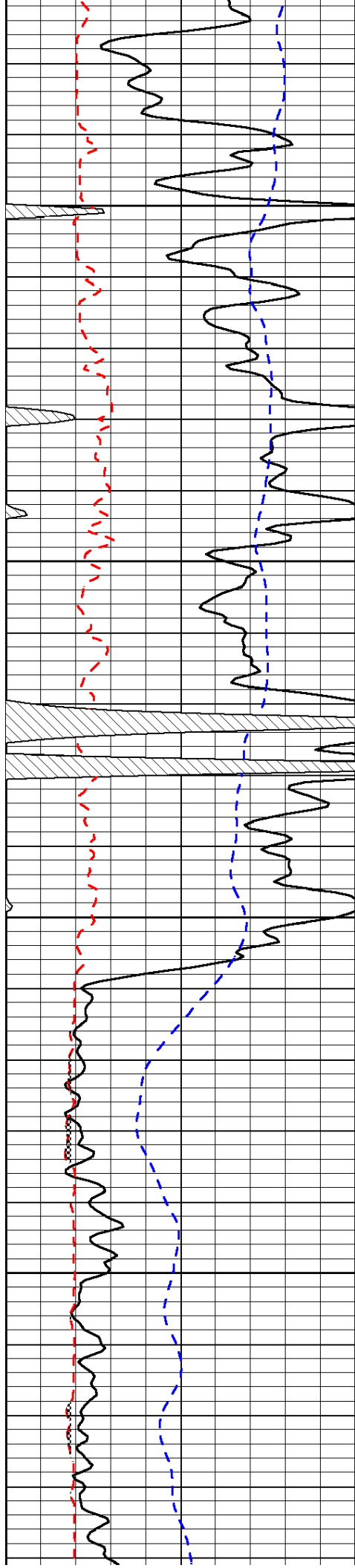


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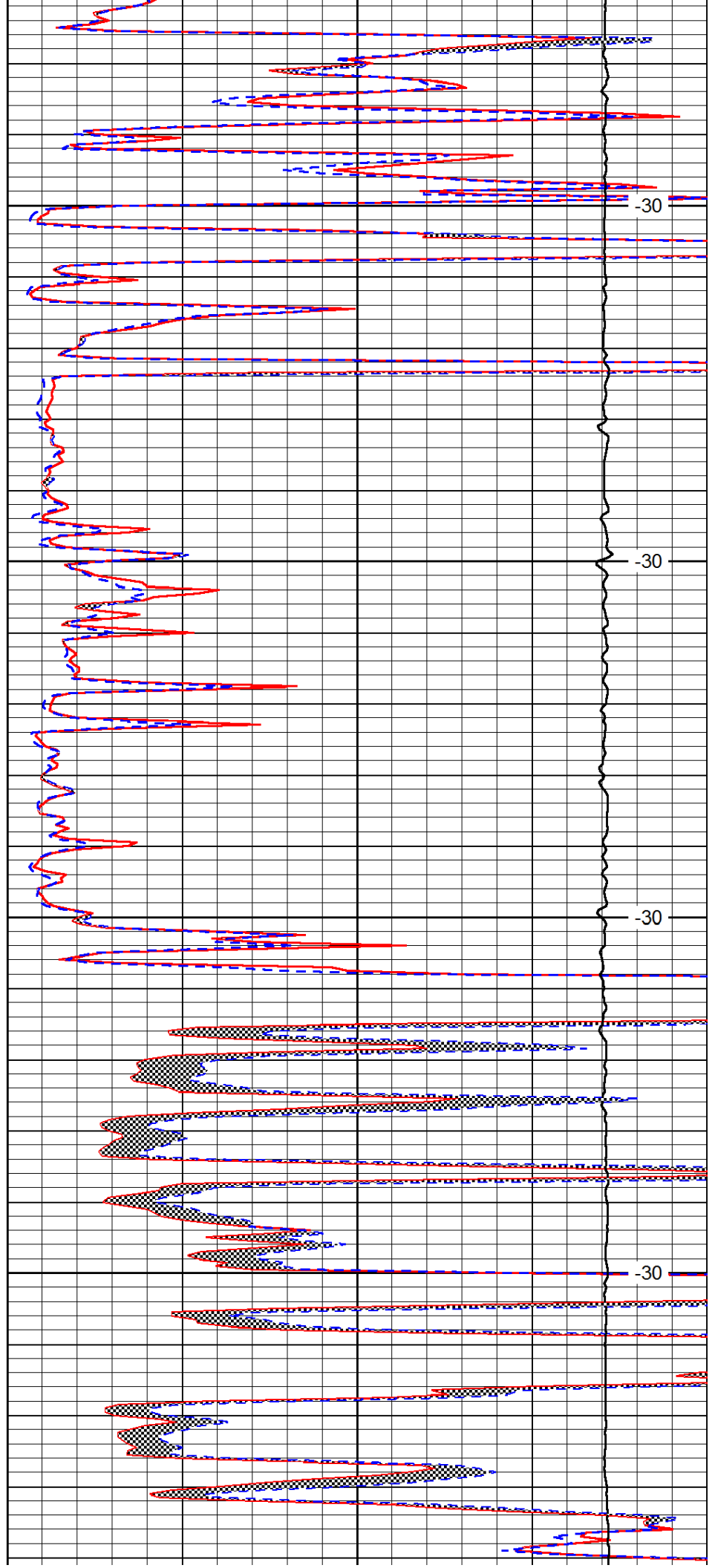


4500

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4600

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