



Pioneer Energy Services

Microresistivity Log

API No.

15-109-21,383-00-00

Company Palomino Petroleum, Inc.

Well Harold Michaelis Family Trust No. 1

Field Wildcat

County Logan State Kansas

Location

SE-NW-NE-NW
605' FNL & 1710' FWL

Sec: 30 Twp: 15S Rge: 35W

Permanent Datum Ground Level Elevation 3233
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
DIL
Elevation
K.B. 3238
D.F.
G.L. 3233

Date 1/27/15

Run Number One

Depth Driller 4925

Depth Logger 4923

Bottom Logged Interval 4922

Top Log Interval 3500

Casing Driller 8.625 @ 218

Casing Logger 216

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 8.100

Density / Viscosity 9.1 57

pH / Fluid Loss 10.0 9.6

Source of Sample Flowline

Rm @ Meas. Temp .18 @ 75

Rmf @ Meas. Temp .14 @ 75

Rmc @ Meas. Temp .24 @ 75

Source of Rmf / Rmc Charts

Rm @ BHT .11 @ 125

Operating Rig Time 3 Hours

Max Rec. Temp. F 125

Equipment Number 15

Location Hays

Recorded By J. Henrickson

Witnessed By Andrew Stenzel

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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.

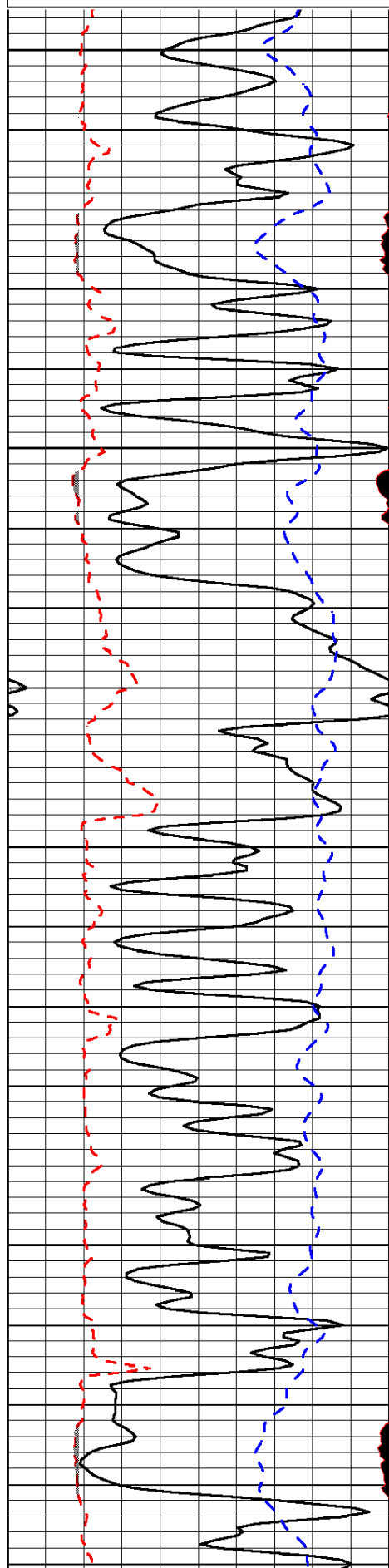
Comments

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

Leoti Kansas
North to Dakota Rd, 4 East, 1/2 South, East Into

Database File: palomino_haroldmichaelisfamilytrust_1hd.db
Dataset Pathname: DIL/palall
Presentation Format: micro
Dataset Creation: Tue Jan 27 20:43:37 2015
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP (mV)	0



3500

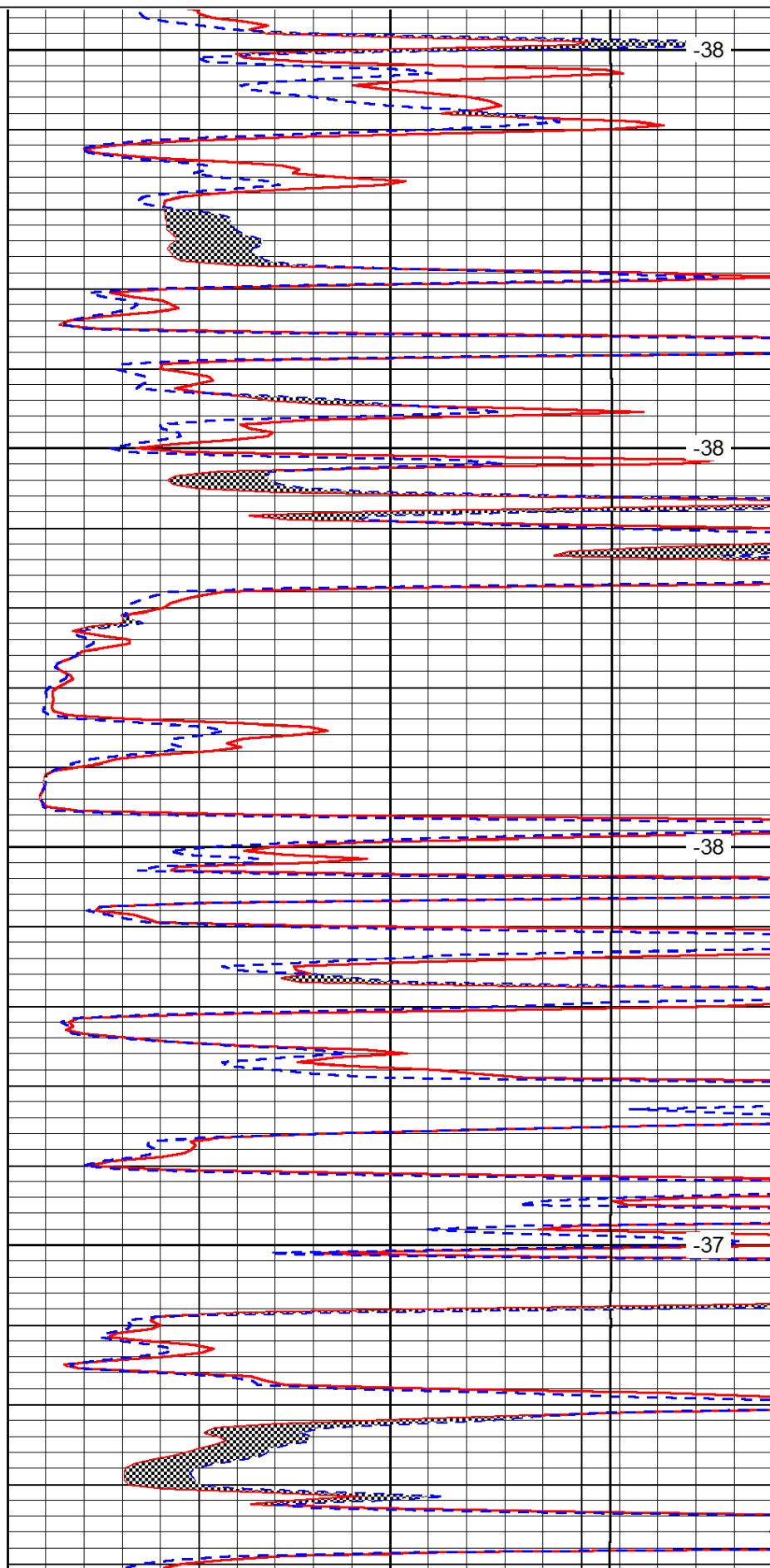
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3600

3650

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0	Micro Normal 2"	40
10000	Line Weight	0

LSPD

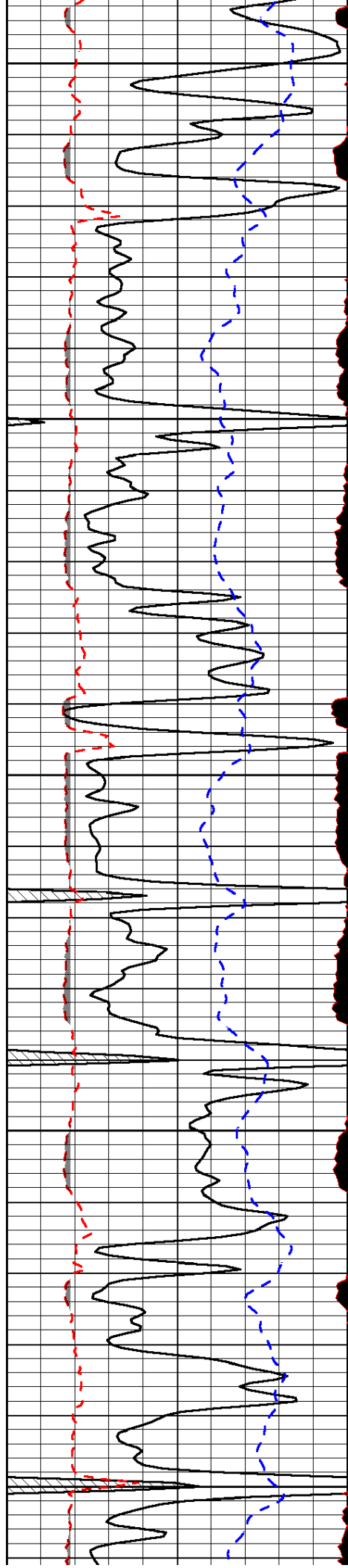


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-38

-37



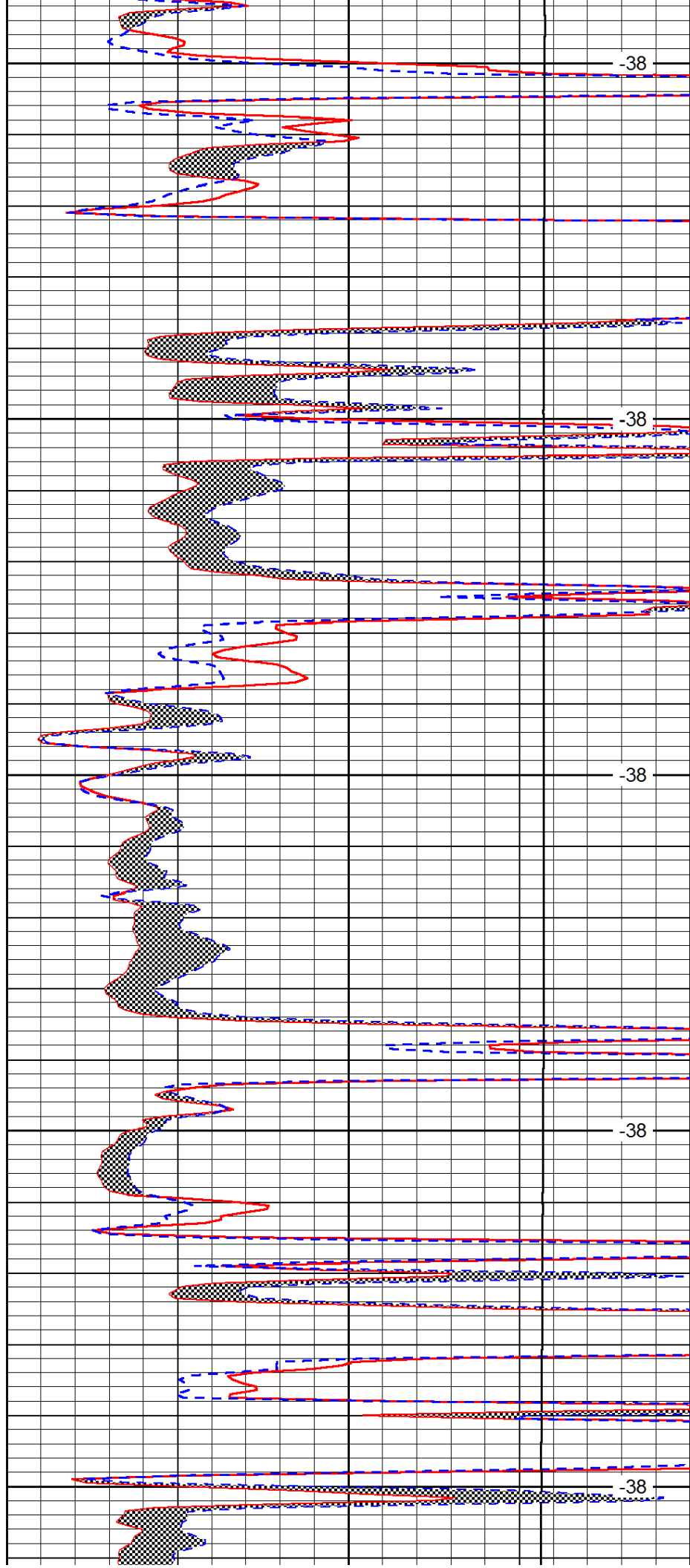
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3750

3800

3850

3900



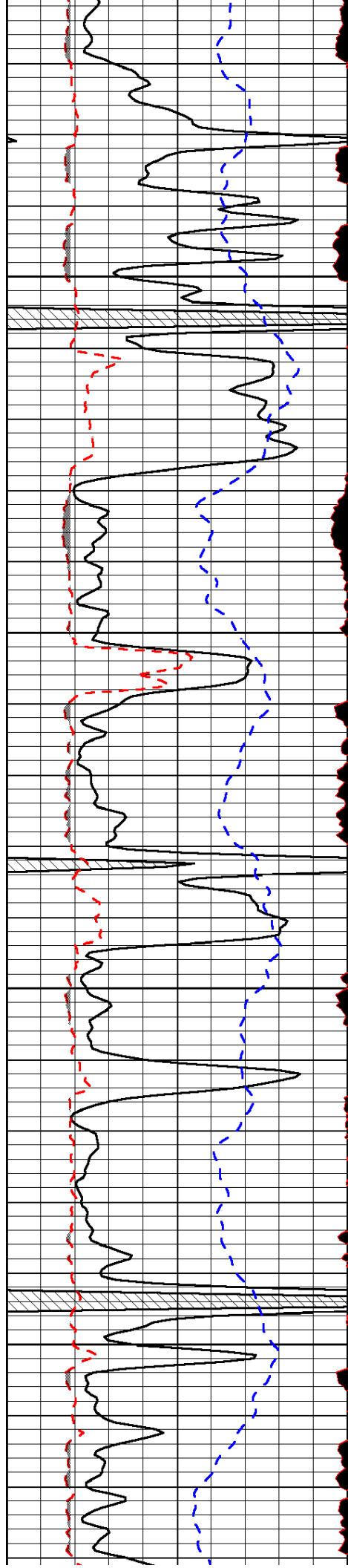
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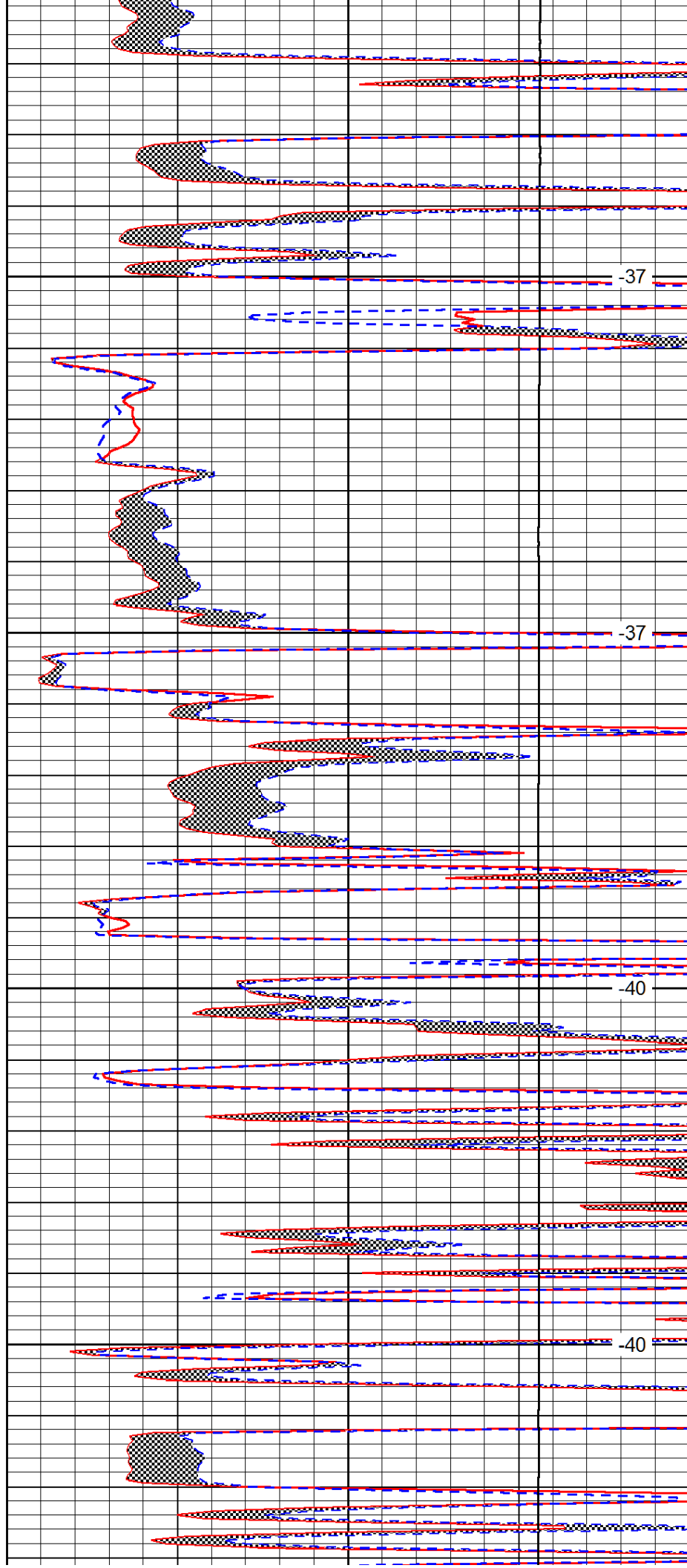


3950

4000

4050

4100

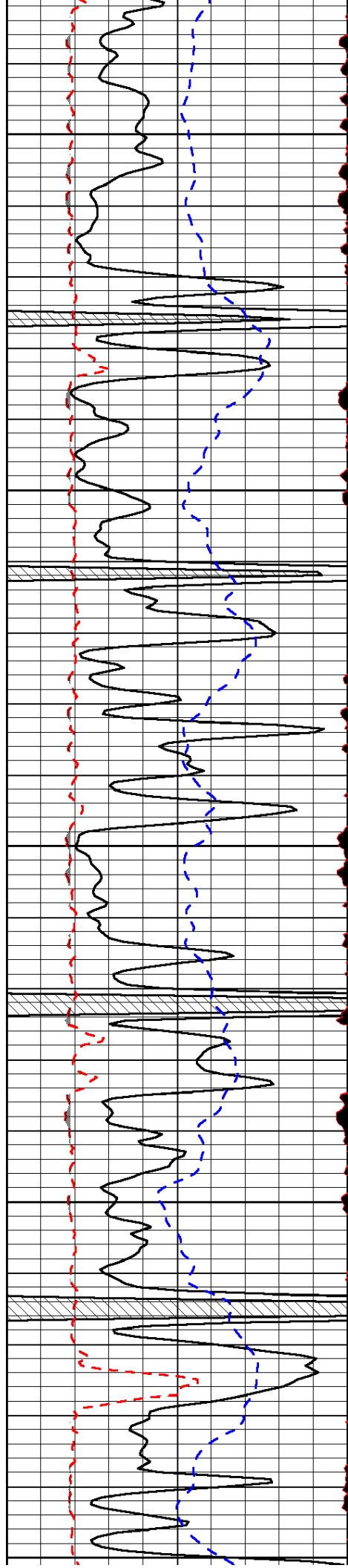


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-40



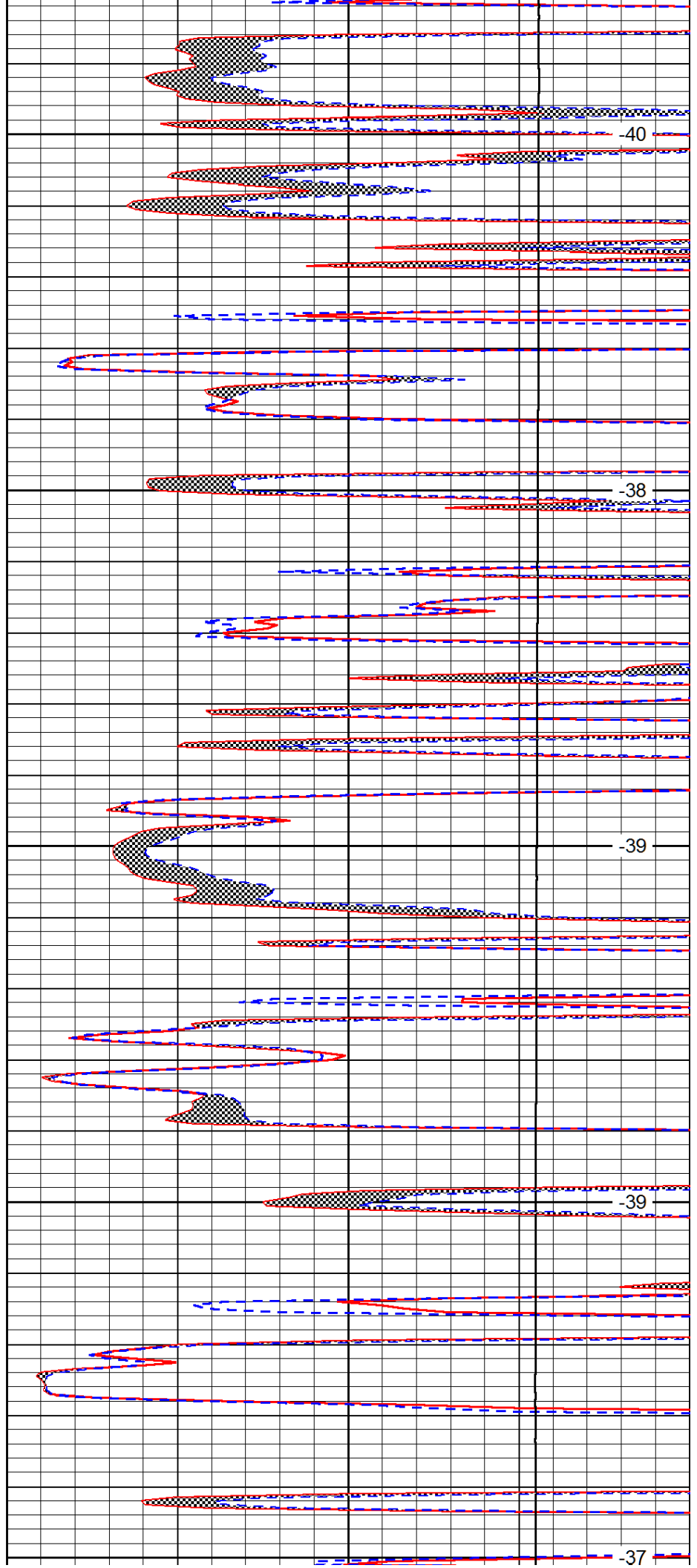
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4200

4250

4300

4350



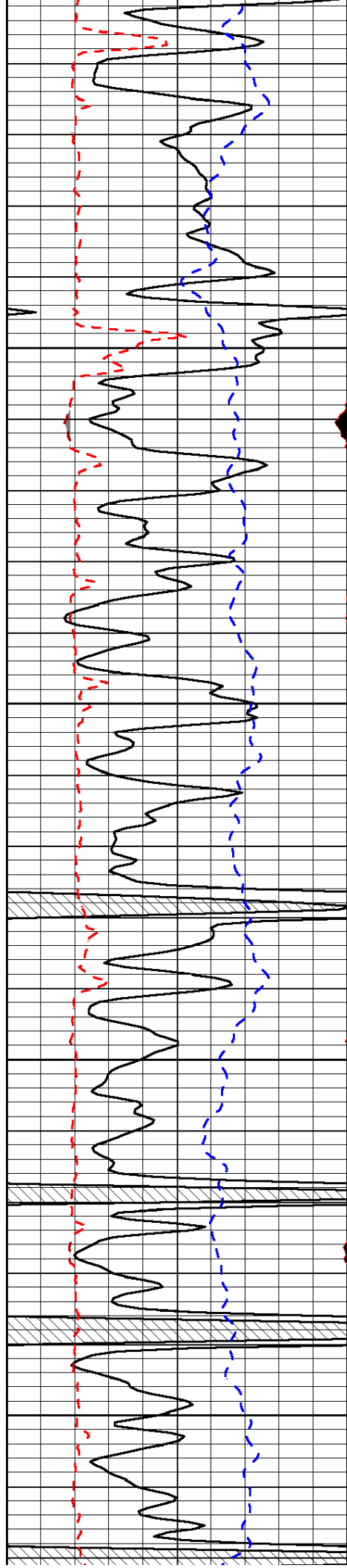
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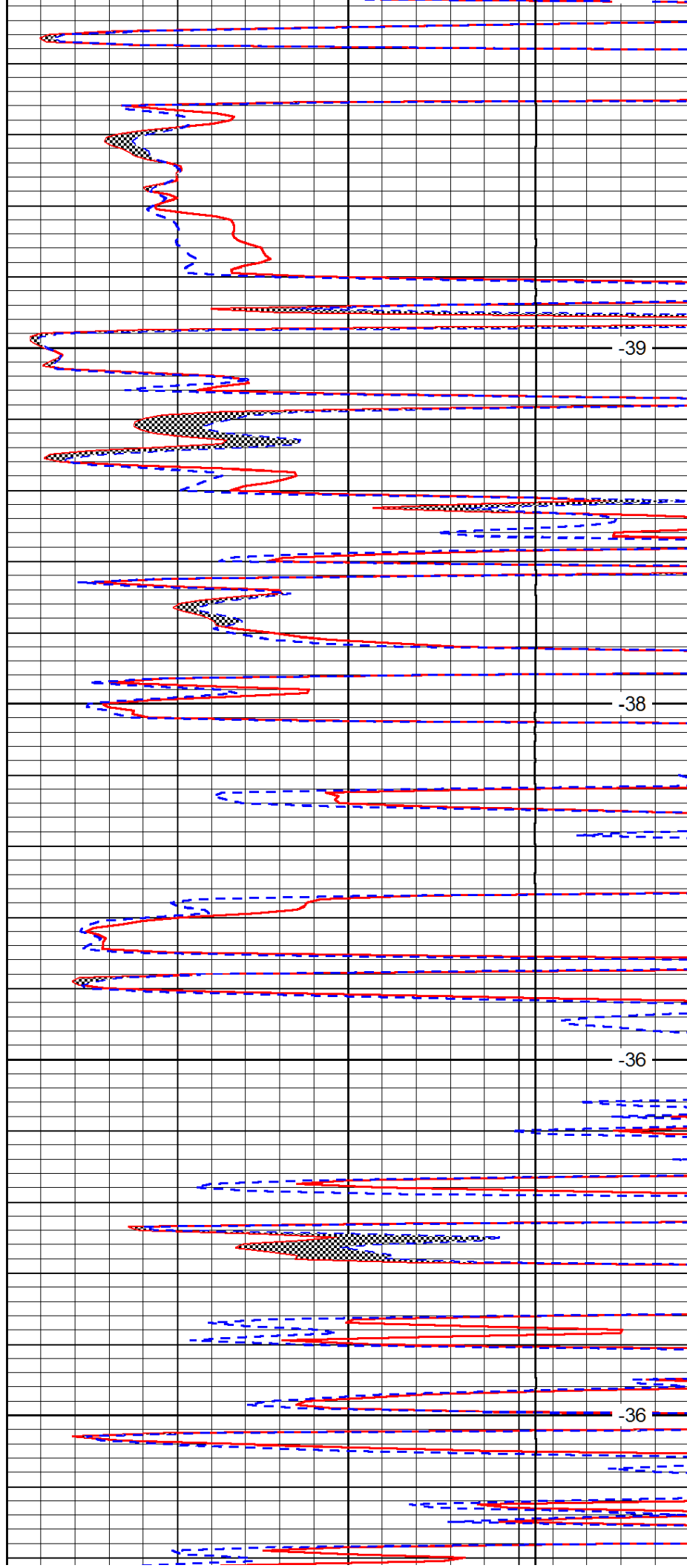


4400

4450

4500

4550

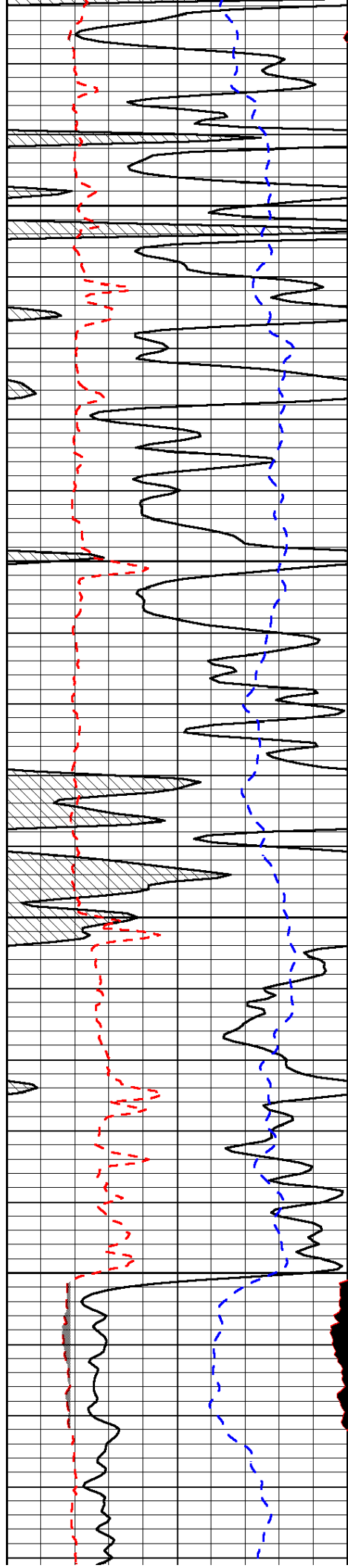


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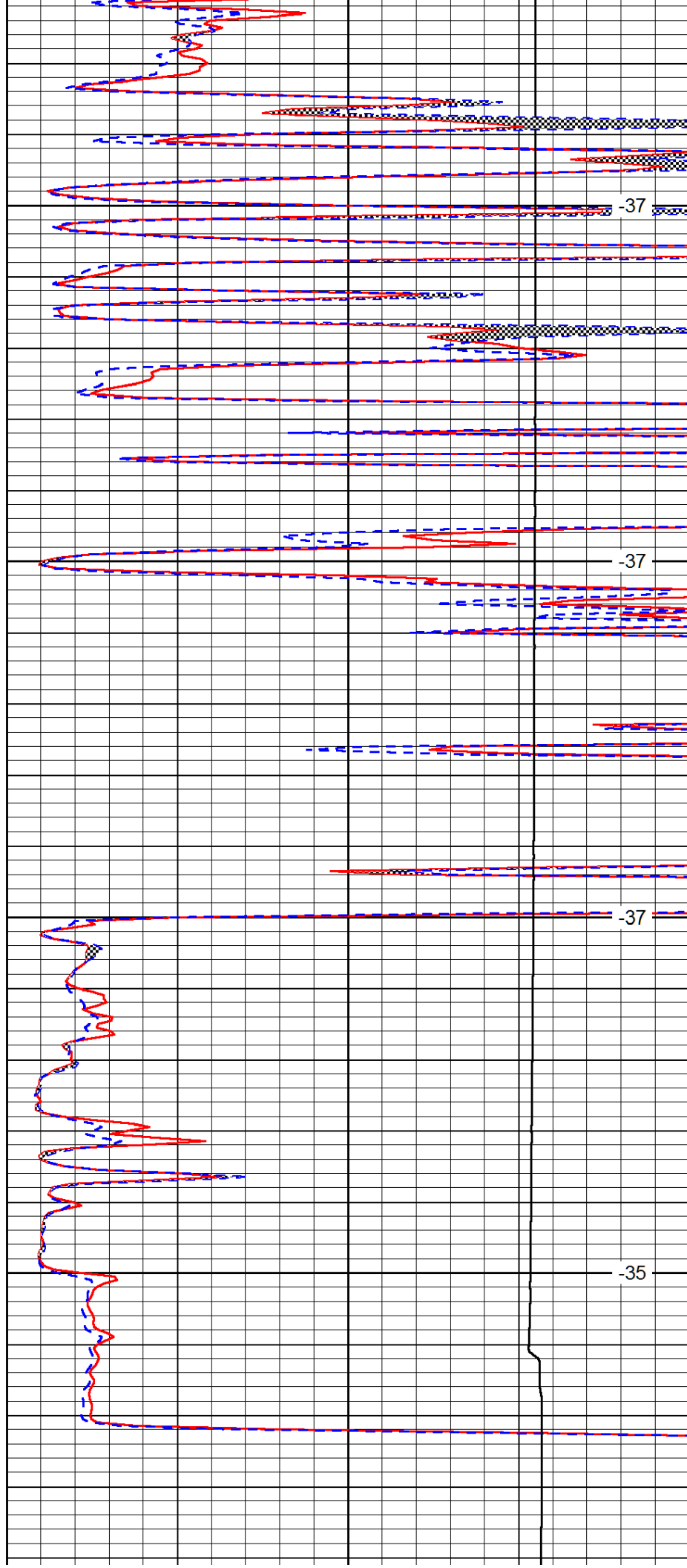


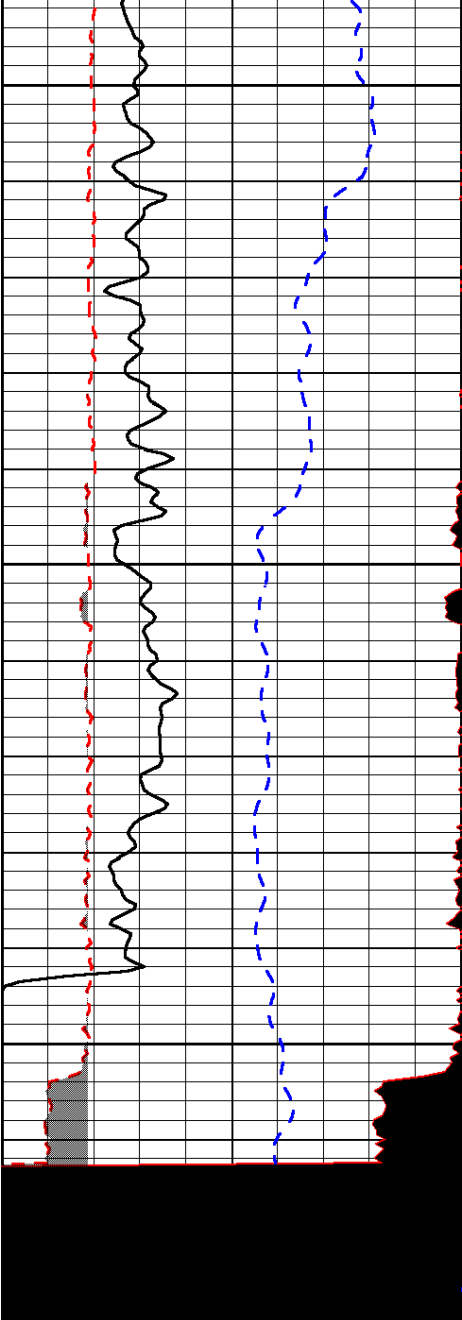
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4700

4750



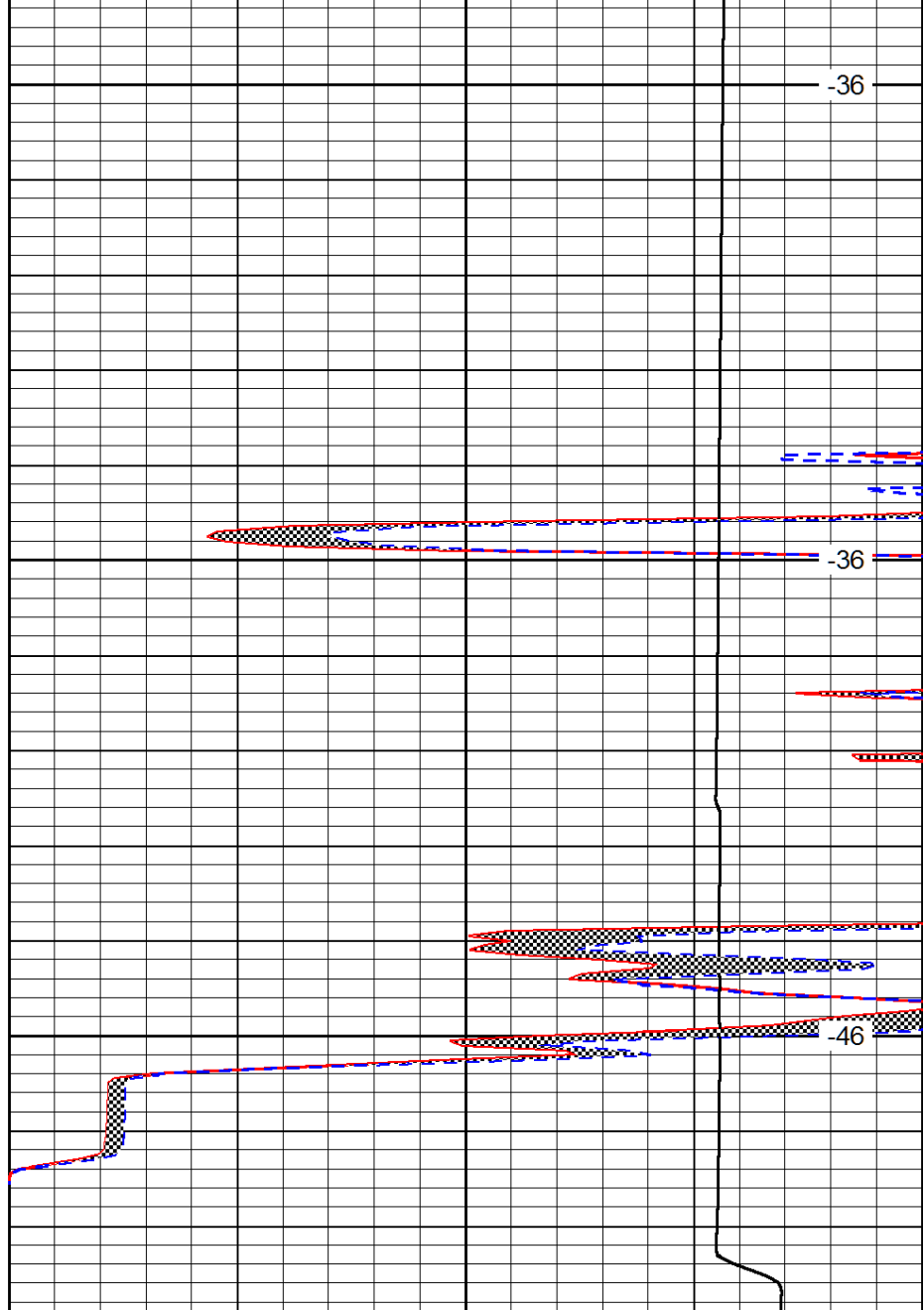


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