

LOG-TECH



Microresistivity Log

DIGITAL LOG (785) 625-3858

API No.

15-051-26,170-00-00

Company TDI, Inc.

Well Crathorne No.1

Field Hyacinth

County Ellis State

Kansas

Location 2035' FSL & 1225' FEL

Sec: 19 Twp: 12 S Rge: 18 W

Permanent Datum Ground Level Elevation 2188

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

Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
DIL

Elevation
K.B. 2198
D.F. 2188
G.L. 2188

Date 8/20/2011

Run Number Two

Depth Driller 3878

Depth Logger 3871

Bottom Logged Interval 3870

Top Log Interval 2800

Casing Driller 8.625 @ 225

Casing Logger 222

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 4500

Density / Viscosity 9.1 50

pH / Fluid Loss 10.5 7.2

Source of Sample Flowline

Rm @ Meas. Temp .58 @ 82

Rmf @ Meas. Temp .44 @ 82

Rmc @ Meas. Temp .78 @ 82

Source of Rmf / Rmc Charts

Rm @ BHT .41 @ 115

Operating Rig Time 4 Hours

Max Rec. Temp. F 115

Equipment Number 10

Location Hays

Recorded By D.Kerr

Witnessed By Tom Denning

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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.

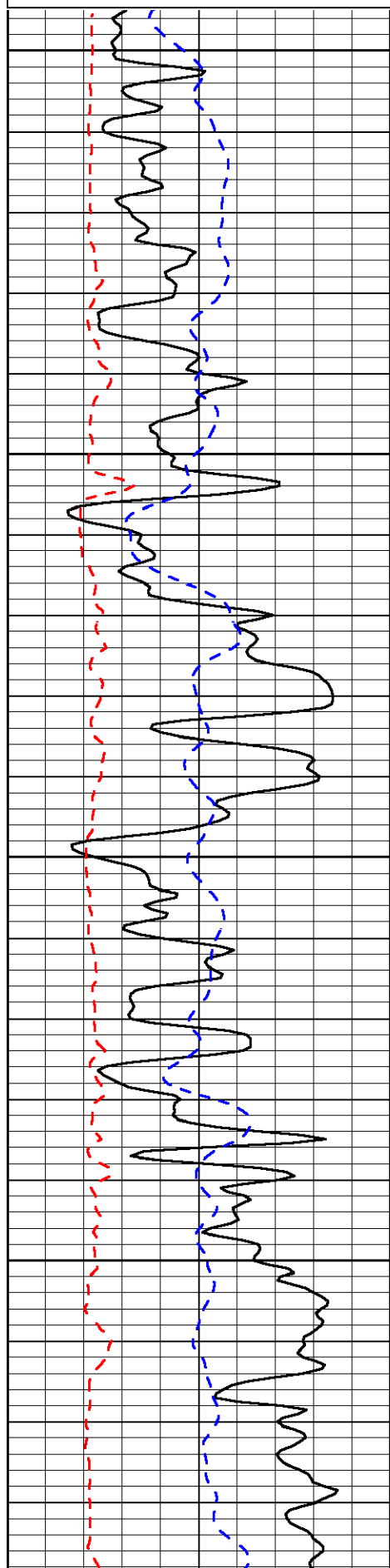
Comments

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

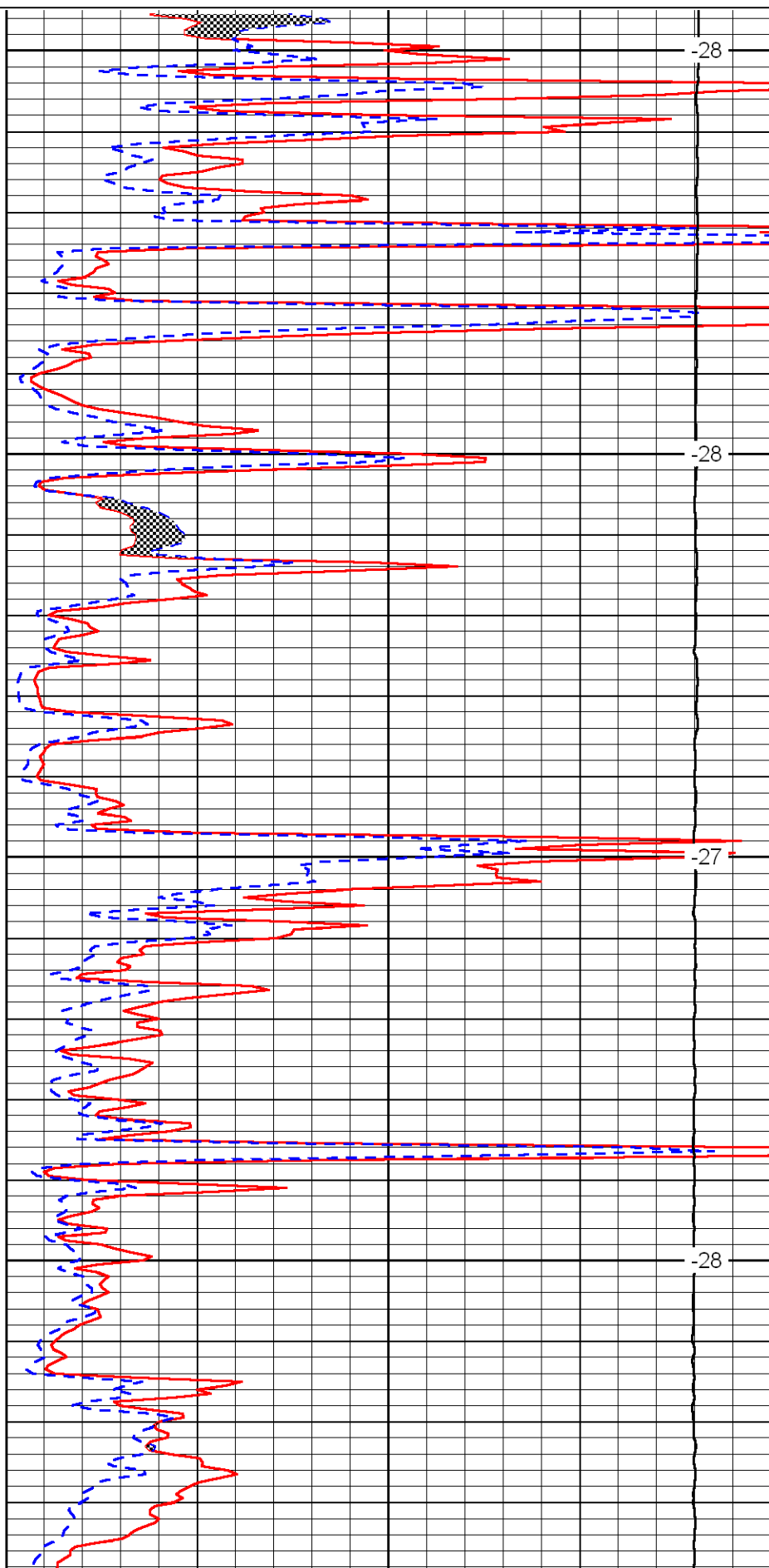
Hays KS, I-70 (Exit 157) and Bypass 183,
4 North, West Into

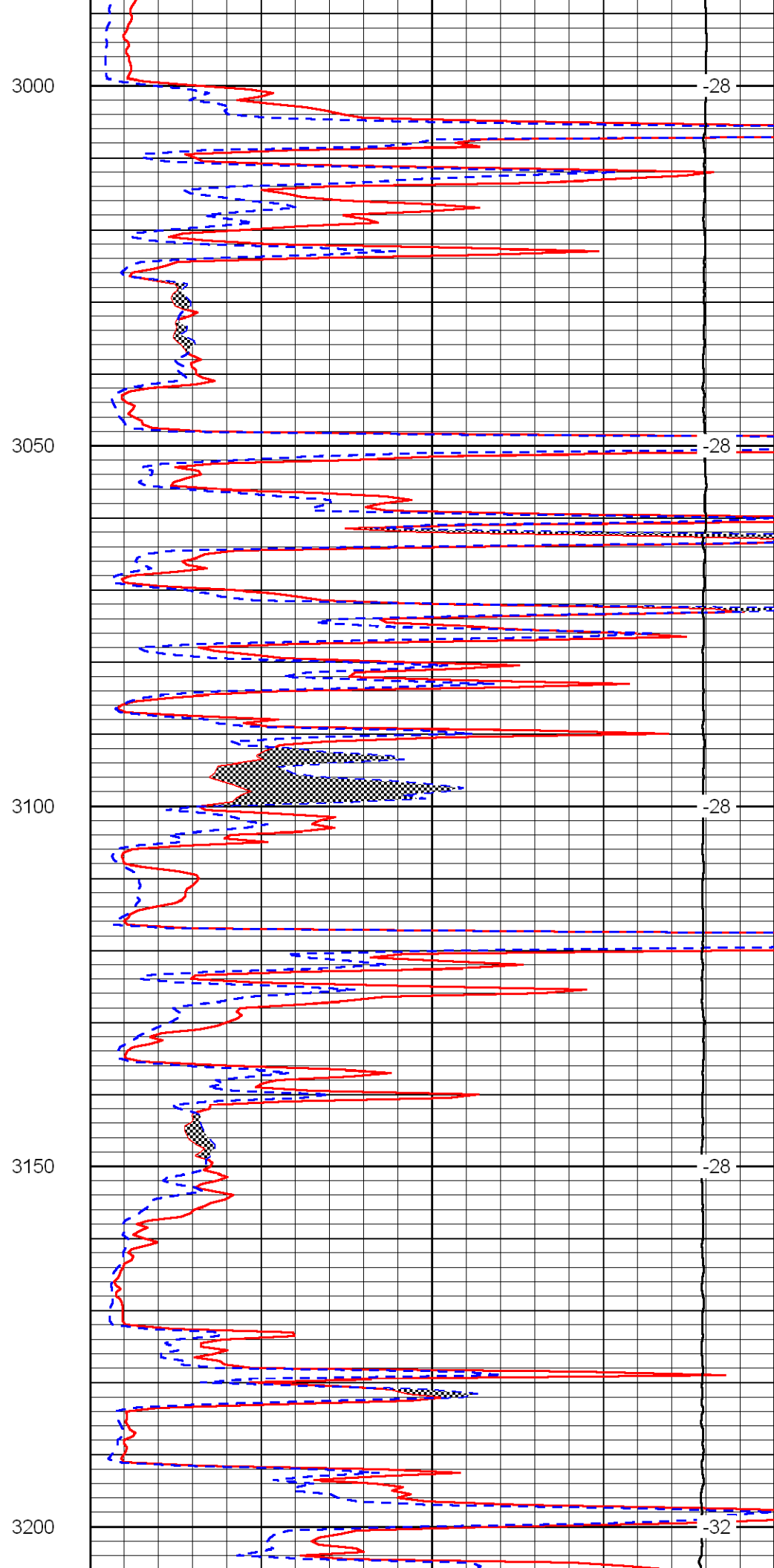
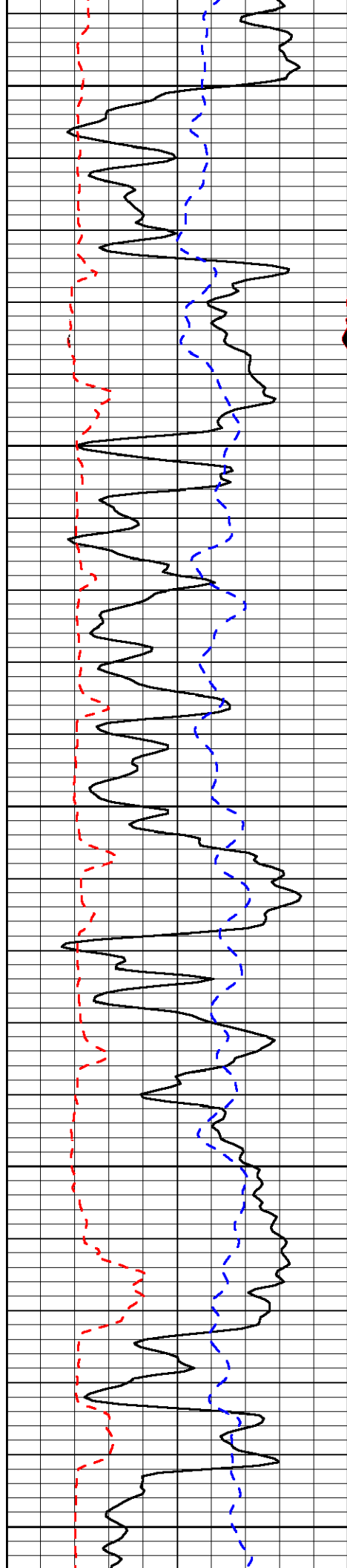
Database File: c:\warrior\data\tdi_crathorne_#1\tdi_crathorne_1hd.db
Dataset Pathname: dil\tdistk
Presentation Format: micro
Dataset Creation: Sat Aug 20 11:46:08 2011
Charted by: Depth in Feet scaled 1:240

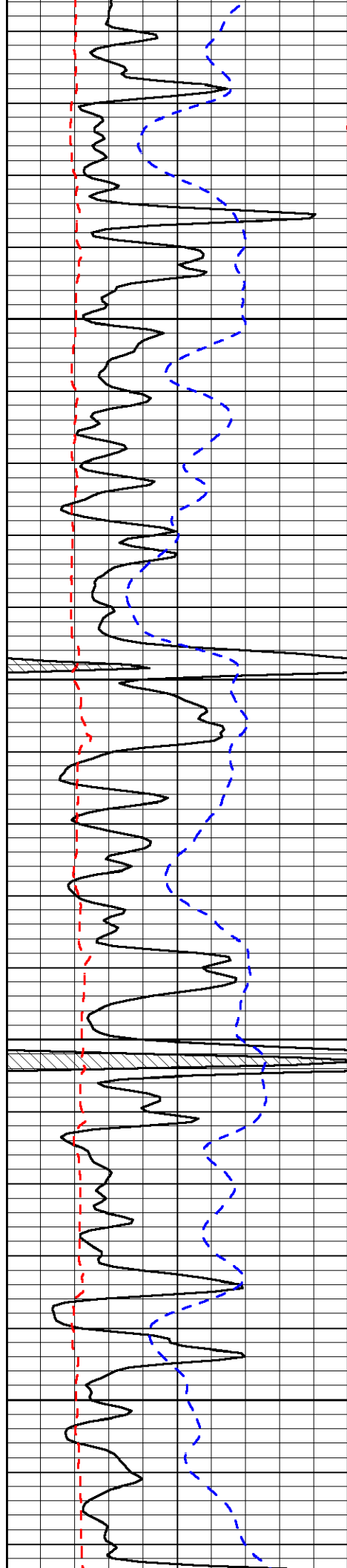
0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP	0



0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0
		LSPD





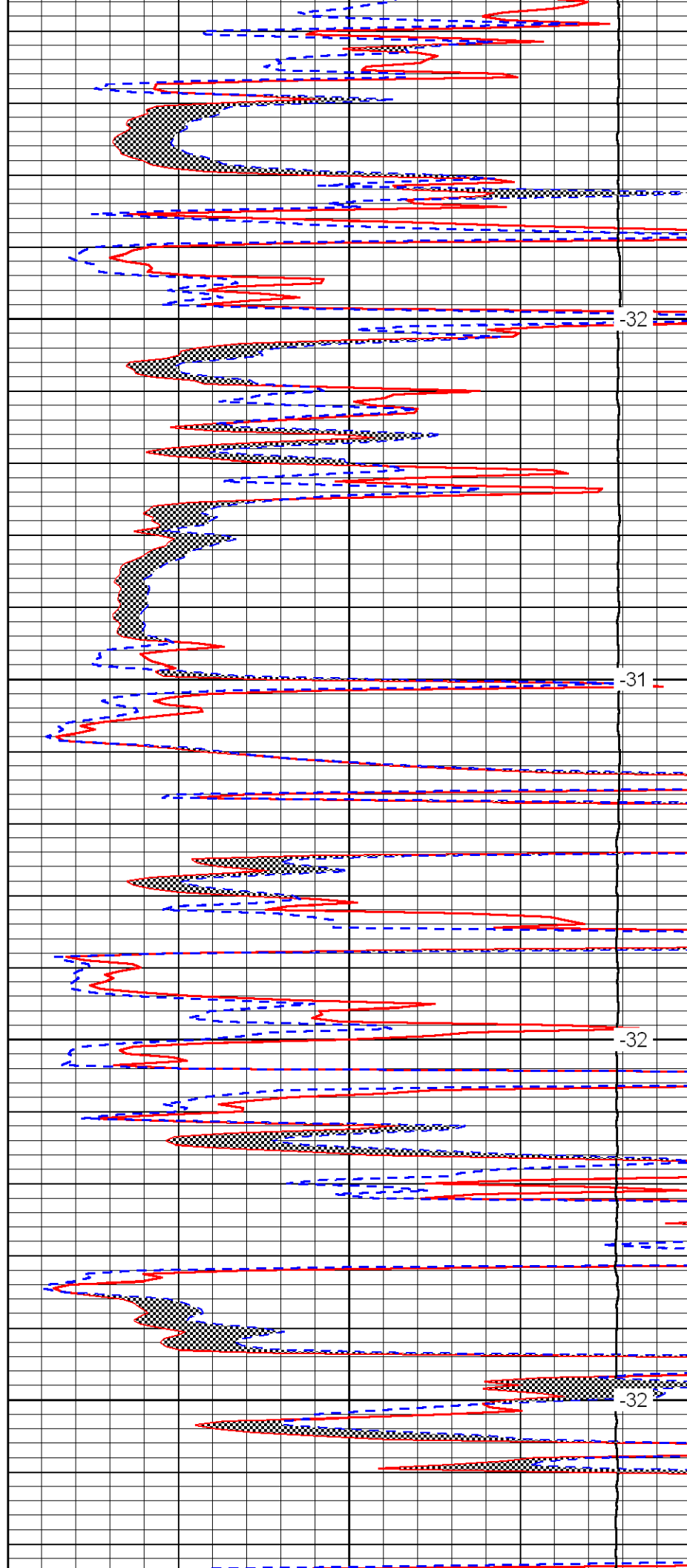


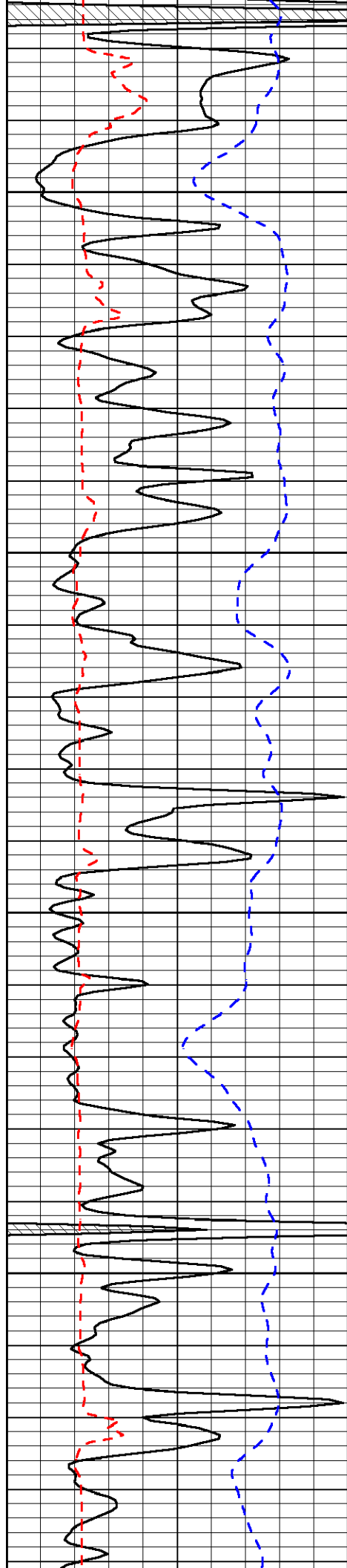
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3300

3350

3400



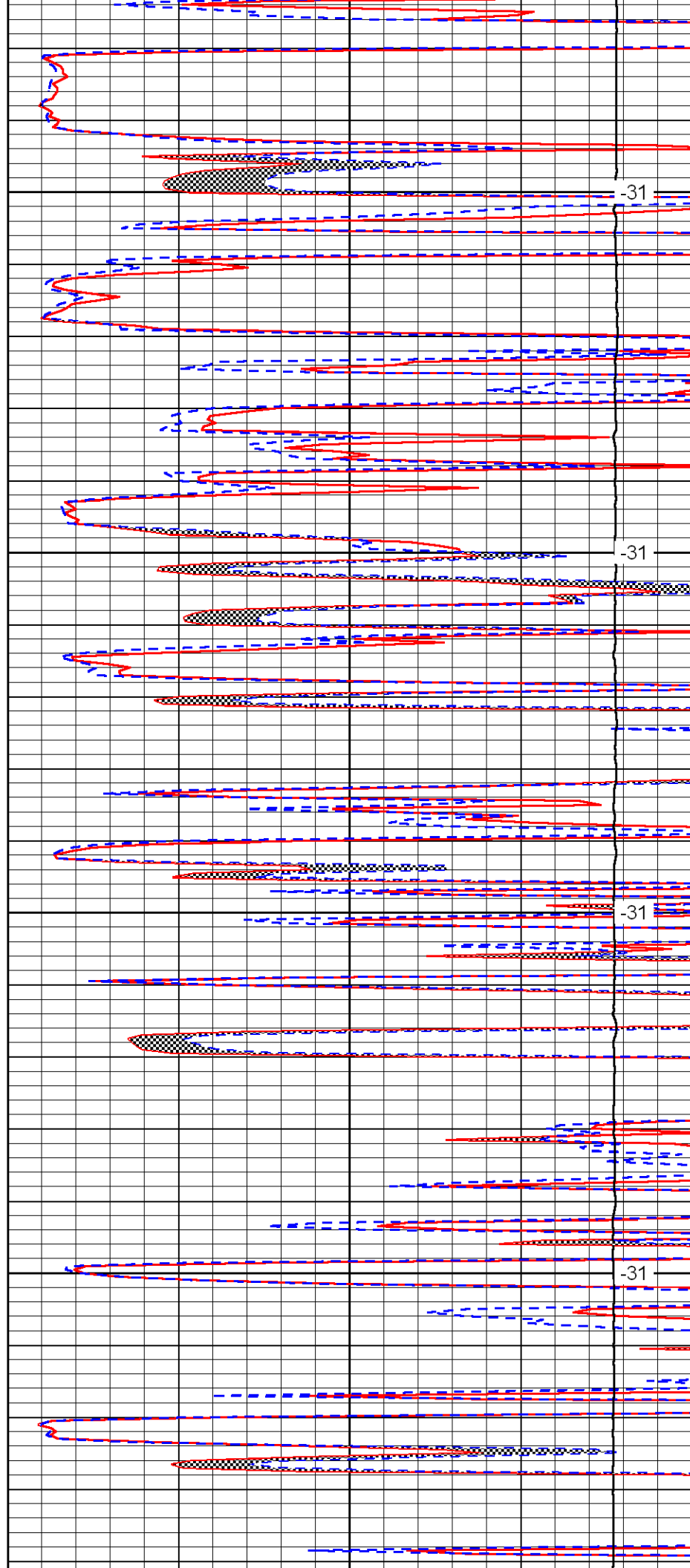


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3600

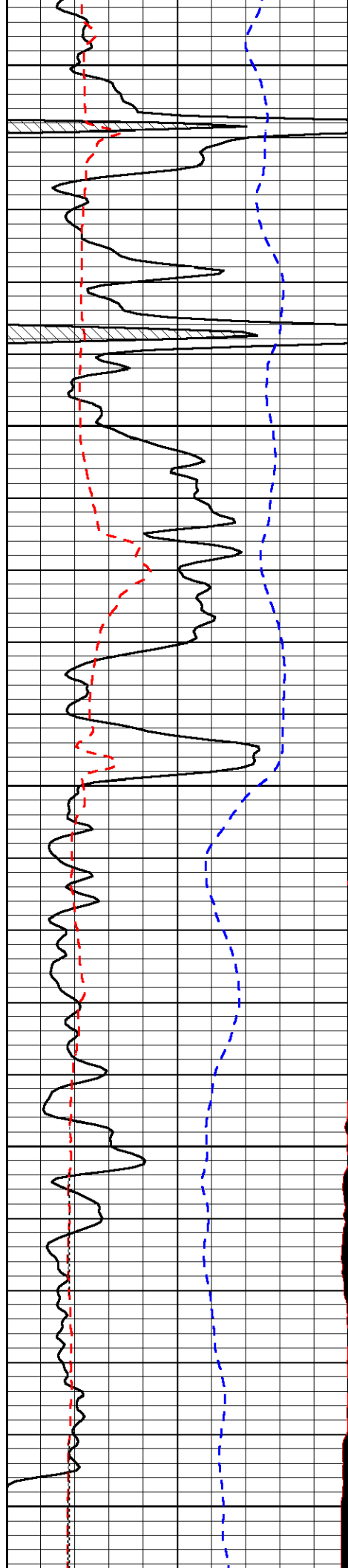


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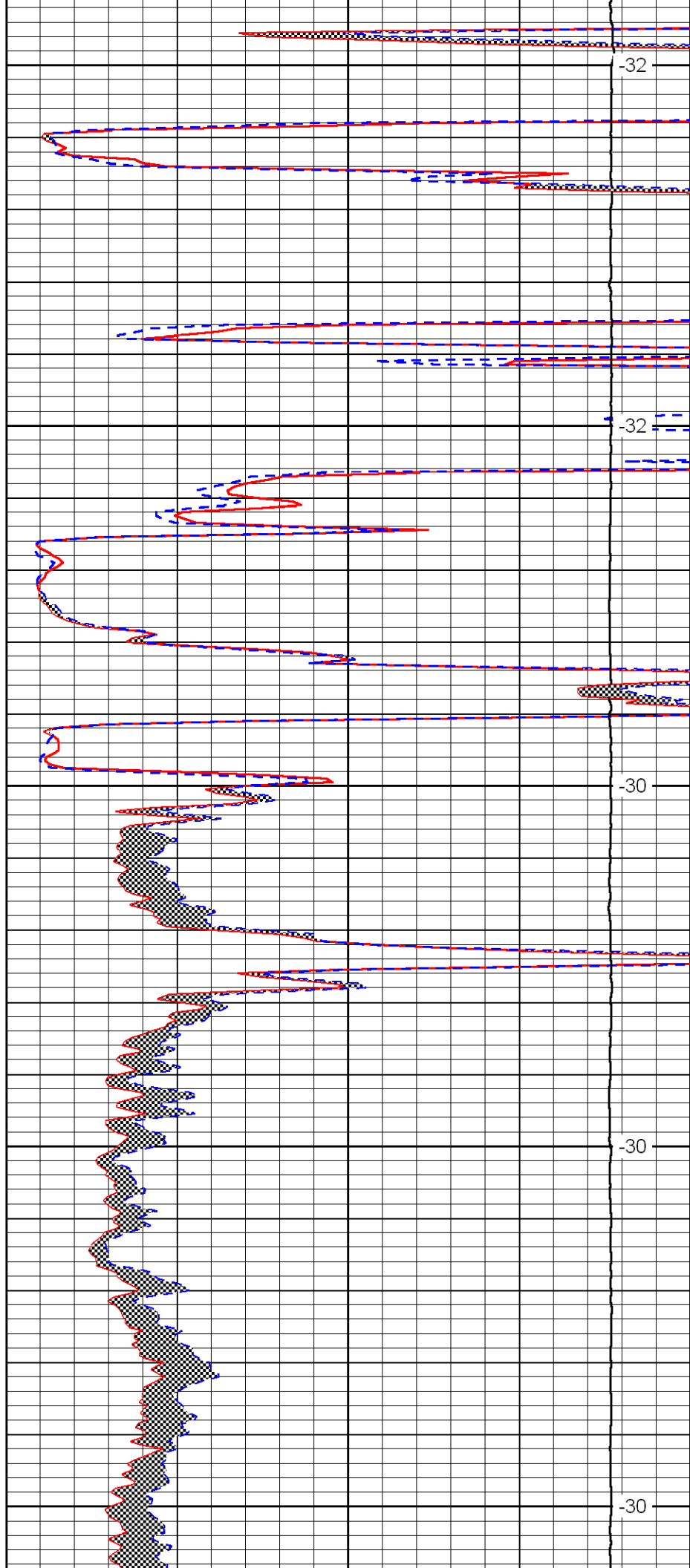
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