



Microresistivity Log

DIGITAL LOG (785) 625-3858

API No.

15-101-22372-00-00

Company Larson Engineering, Inc.

Well Danis #1-21

Field Reifschneider Southeast

County Lane State Kansas

Location

SW SW NE SE
1500' FSL / 997' FEL

Sec: 21 Twp: 18S Rge: 29W

Permanent Datum Ground Level Elevation 2810
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
DIL

Elevation
K.B. 2817
D.F.
G.L. 2810

Date 6/23/2012

Run Number Two

Depth Driller 4655

Depth Logger 4656

Bottom Logged Interval 4655

Top Log Interval 3600

Casing Driller 8.625 @ 261

Casing Logger 257

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 2500

Density / Viscosity 9.3 52

pH / Fluid Loss 10.0 8.8

Source of Sample Flowline

Rm @ Meas. Temp 0.40 @ 82

Rmf @ Meas. Temp 0.30 @ 82

Rmc @ Meas. Temp 0.54 @ 82

Source of Rmf / Rmc Charts

Rm @ BHT 0.27 @ 123

Operating Rig Time 4 Hours

Max Rec. Temp. F 123

Equipment Number 15

Location Hays

Recorded By R. Barnhart

Witnessed By Bob Lewellyn

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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

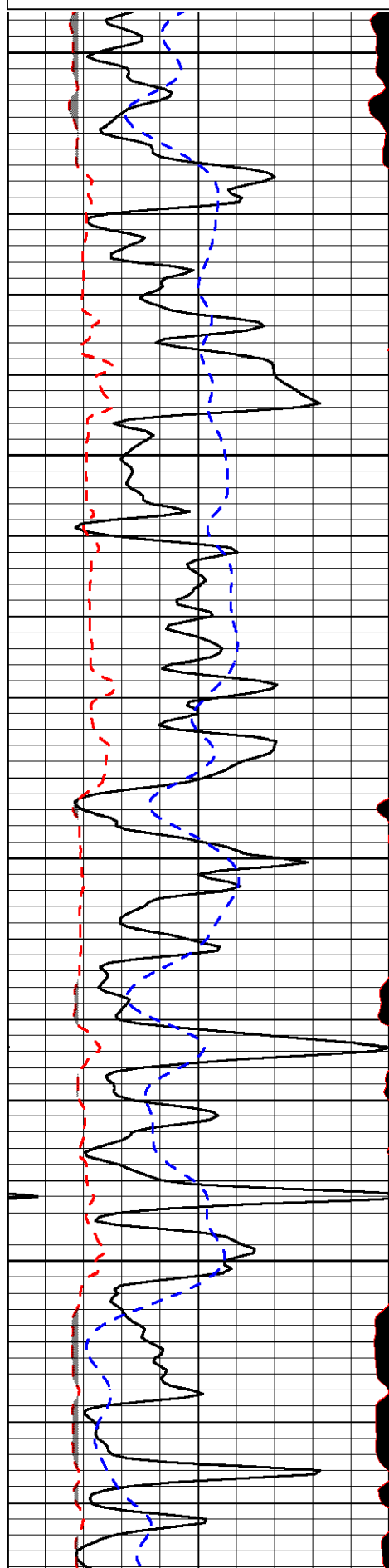
Thank you for using Log-Tech, Inc.
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Dighton, KS:
3W, 3/4S, W into

Database File: larsnhd.db
Dataset Pathname: dil/larmain
Presentation Format: micro
Dataset Creation: Sat Jun 23 02:29:13 2012
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

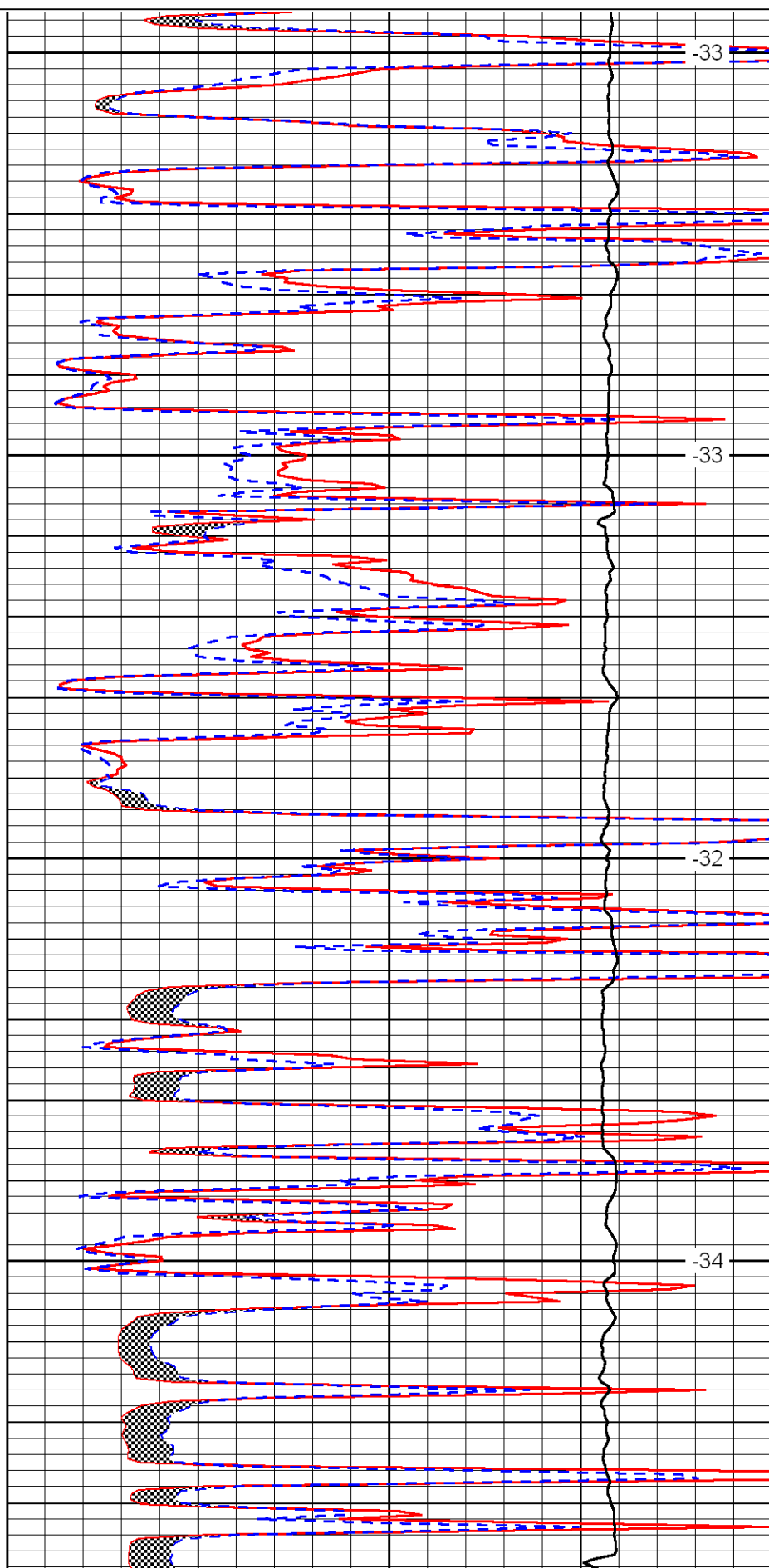


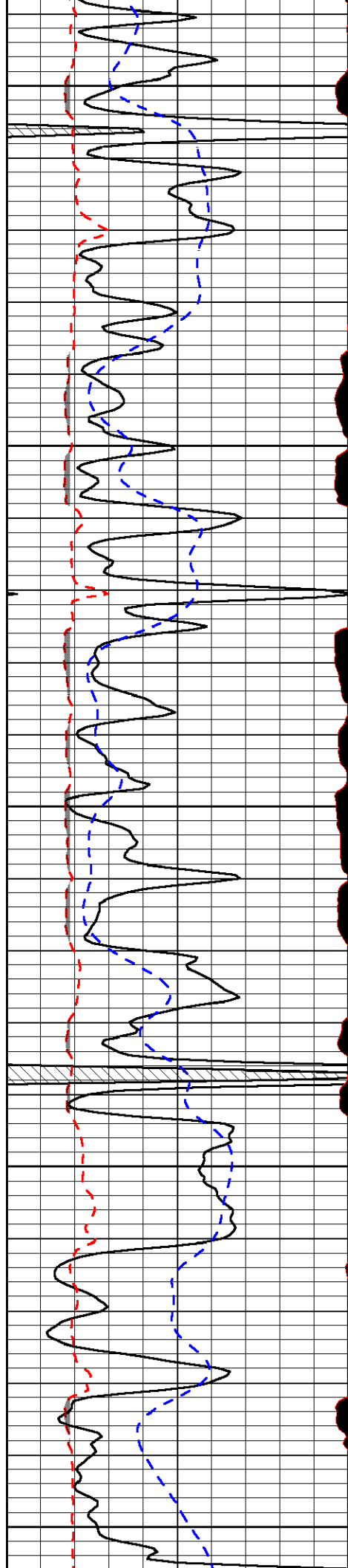
3600

3650

3700

3750





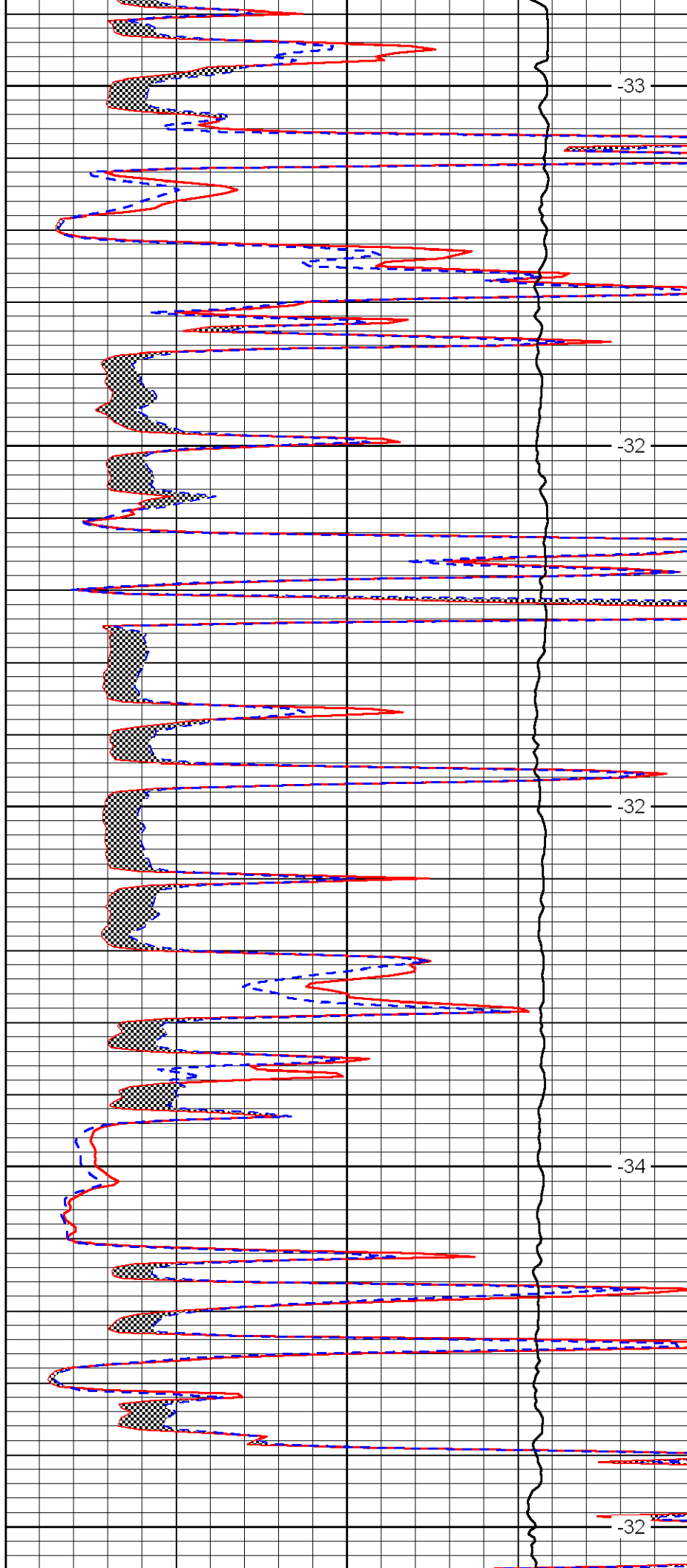
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3850

3900

3950

4000



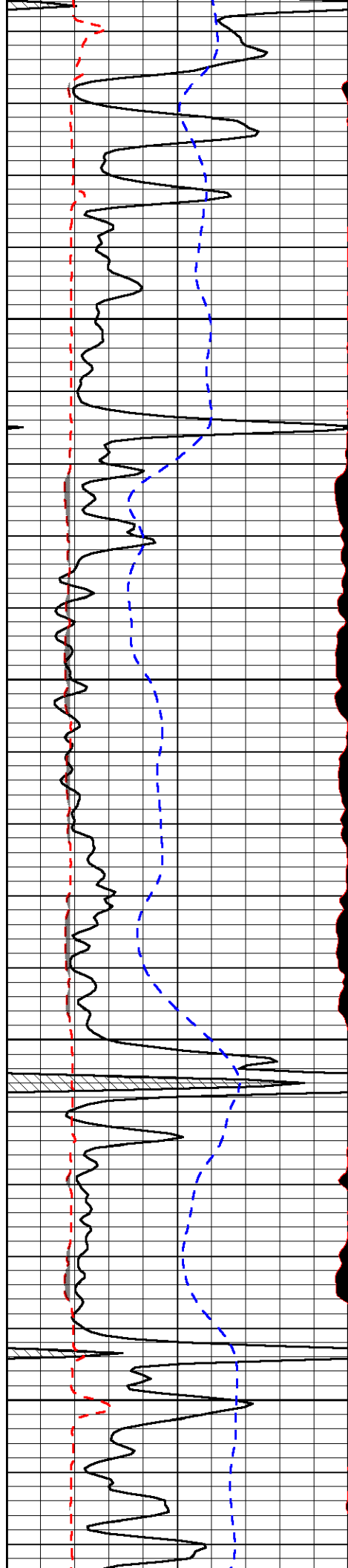
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-32

-32

-34

-32

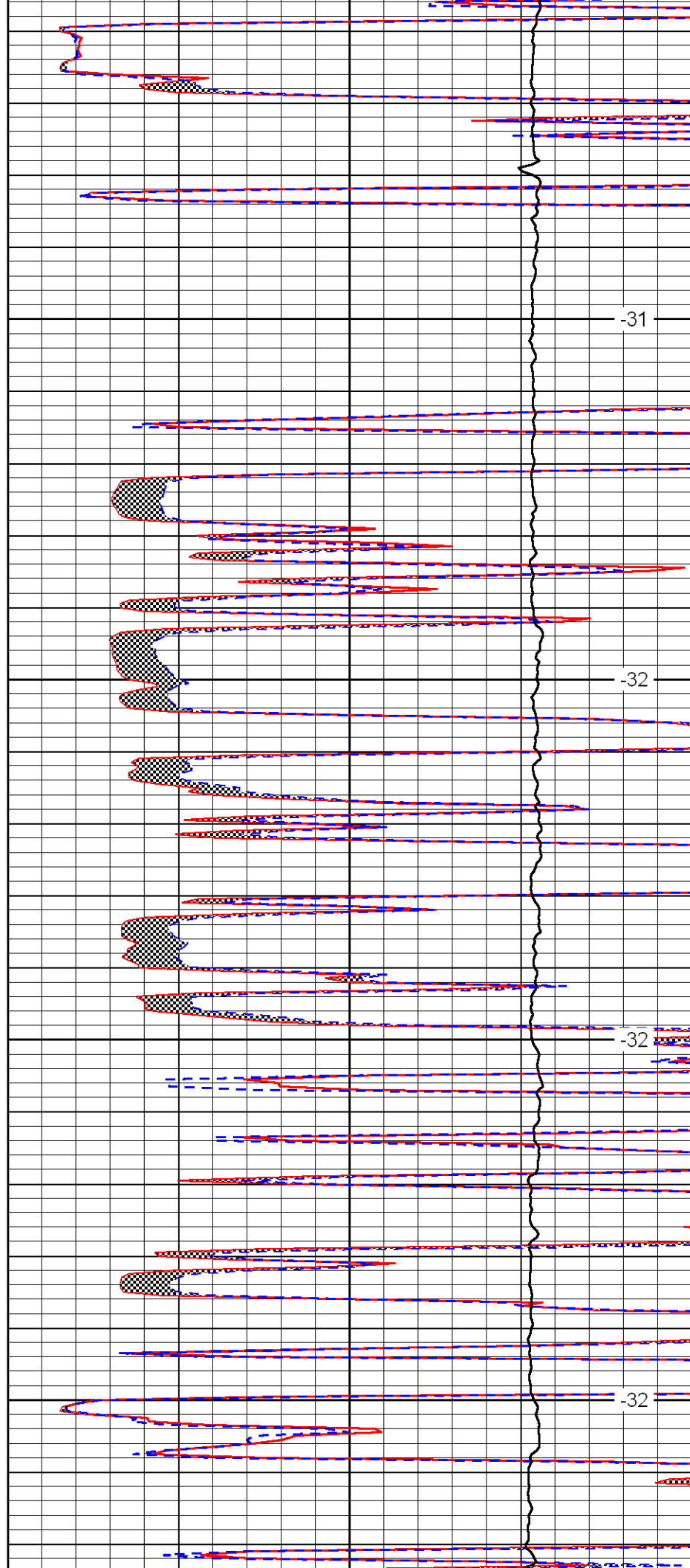


4050

4100

4150

4200

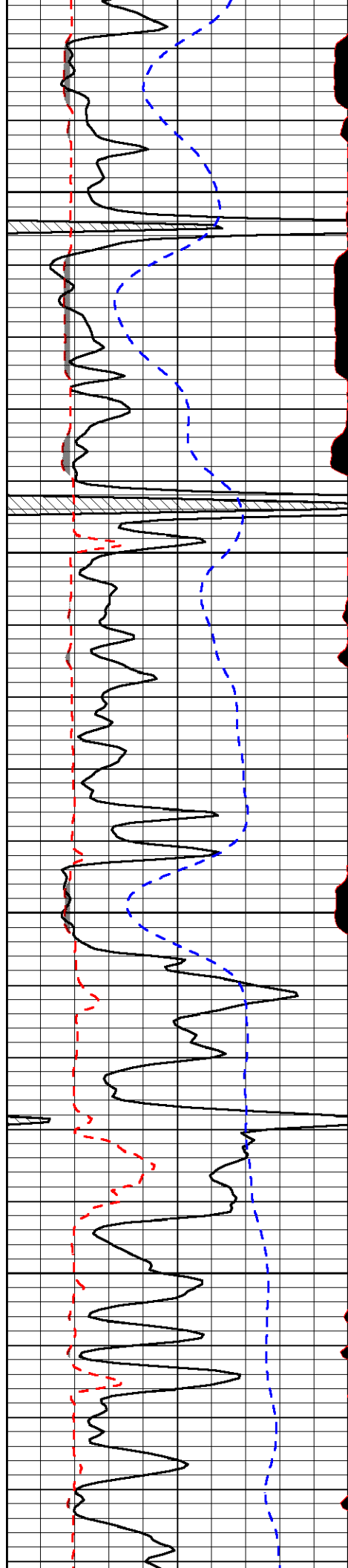


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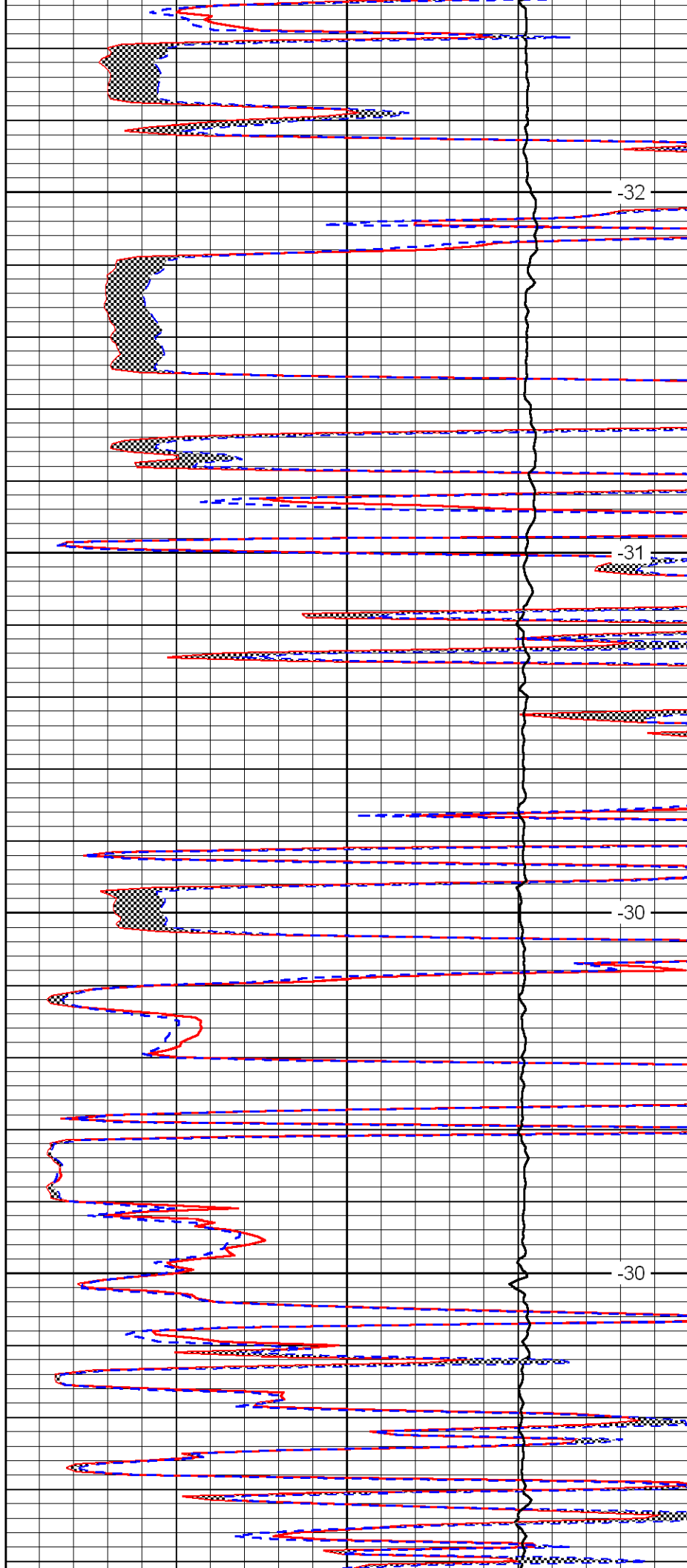


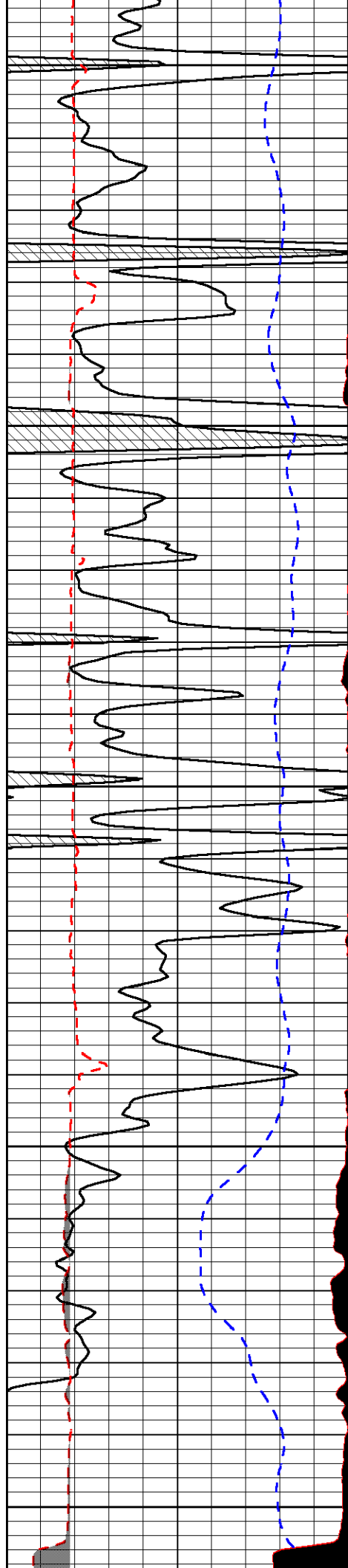
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4400





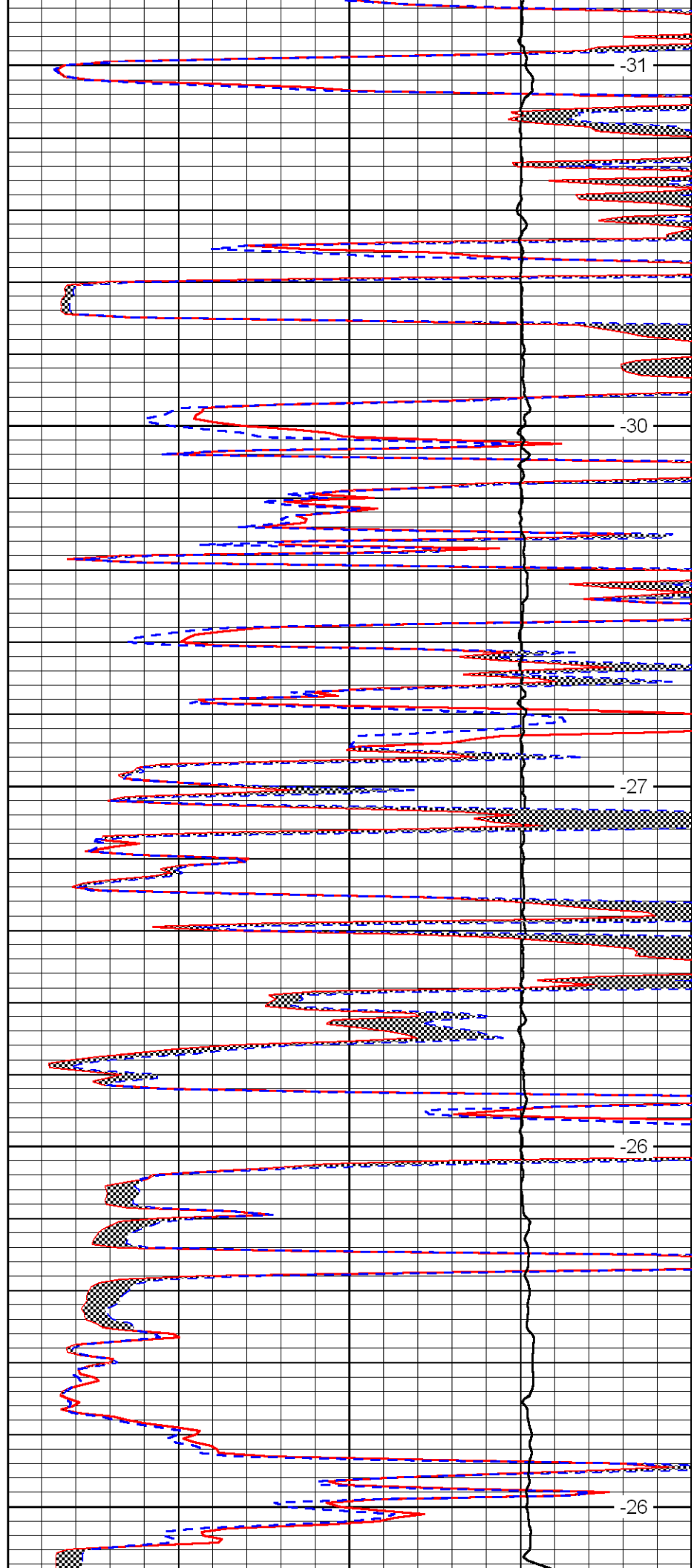
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4600

4650



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