



Microresistivity Log

Pioneer Energy Services

API No.

15-101-22,491-00-00

Company Forestar Petroleum Company

Well LCF No. 1-11

Field Unnamed

County Lane State

Kansas

Location

NW-NW-NW-SW
2260' FSL & 140' FWL

Other Services
CNL/CDL
DIL/BHCS

Sec: 11

Twp: 17S

Rge: 29W

Elevation

Permanent Datum
Log Measured From
Drilling Measured From

Ground Level
Kelly Bushing
Kelly Bushing

Elevation
K.B. 2794
D.F. 2789
G.L. 2789

Date

2/12/14

Run Number

Two

Depth Driller

4650

Depth Logger

4653

Bottom Logged Interval

4652

Top Log Interval

3500

Casing Driller

8.625 @ 261

Casing Logger

262

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

2,400

Density / Viscosity

9.2 48

pH / Fluid Loss

12.0 6.0

Source of Sample

Flowline

Rm @ Meas. Temp

1.2 @ 41

Rmf @ Meas. Temp

.90 @ 41

Rmc @ Meas. Temp

1.62 @ 41

Source of Rmf / Rmc

Charts

Rm @ BHT

.40 @ 123

Operating Rig Time

5 Hours

Max Rec. Temp. F

123

Equipment Number

17

Location

Hays

Recorded By

J. Henrickson

Witnessed By

Macklin Armstrong

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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

Dighton Kansas
North to CR 230, 2 West, South Into(almost a mile)

Database File: forestar_lcf_1_11hd.db

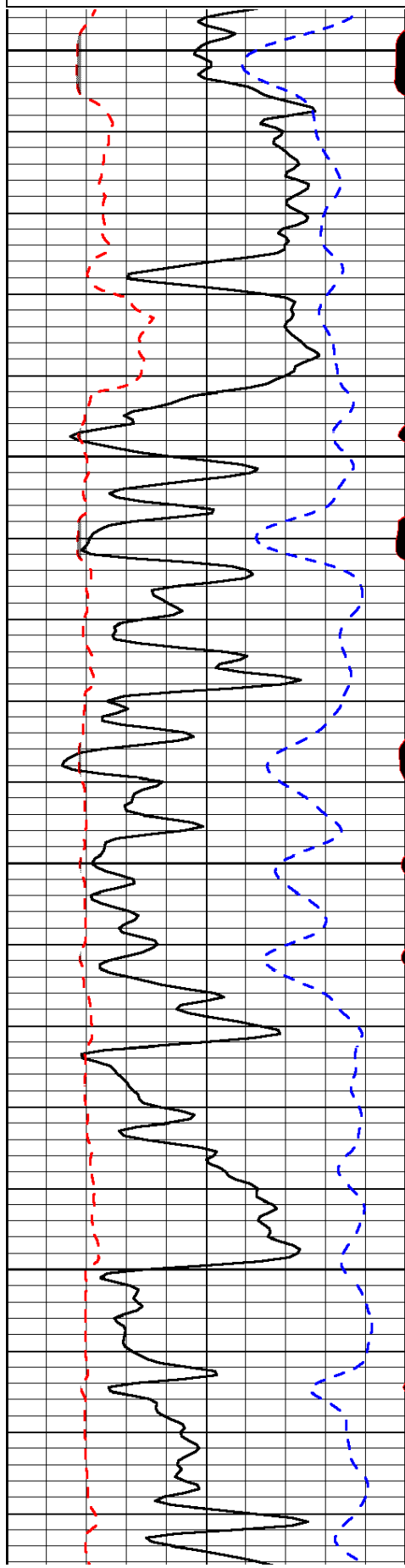
Dataset Pathname: DIL/forestk

Presentation Format: micro

Dataset Creation: Wed Feb 12 11:48:58 2014

Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:2.10		
0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0



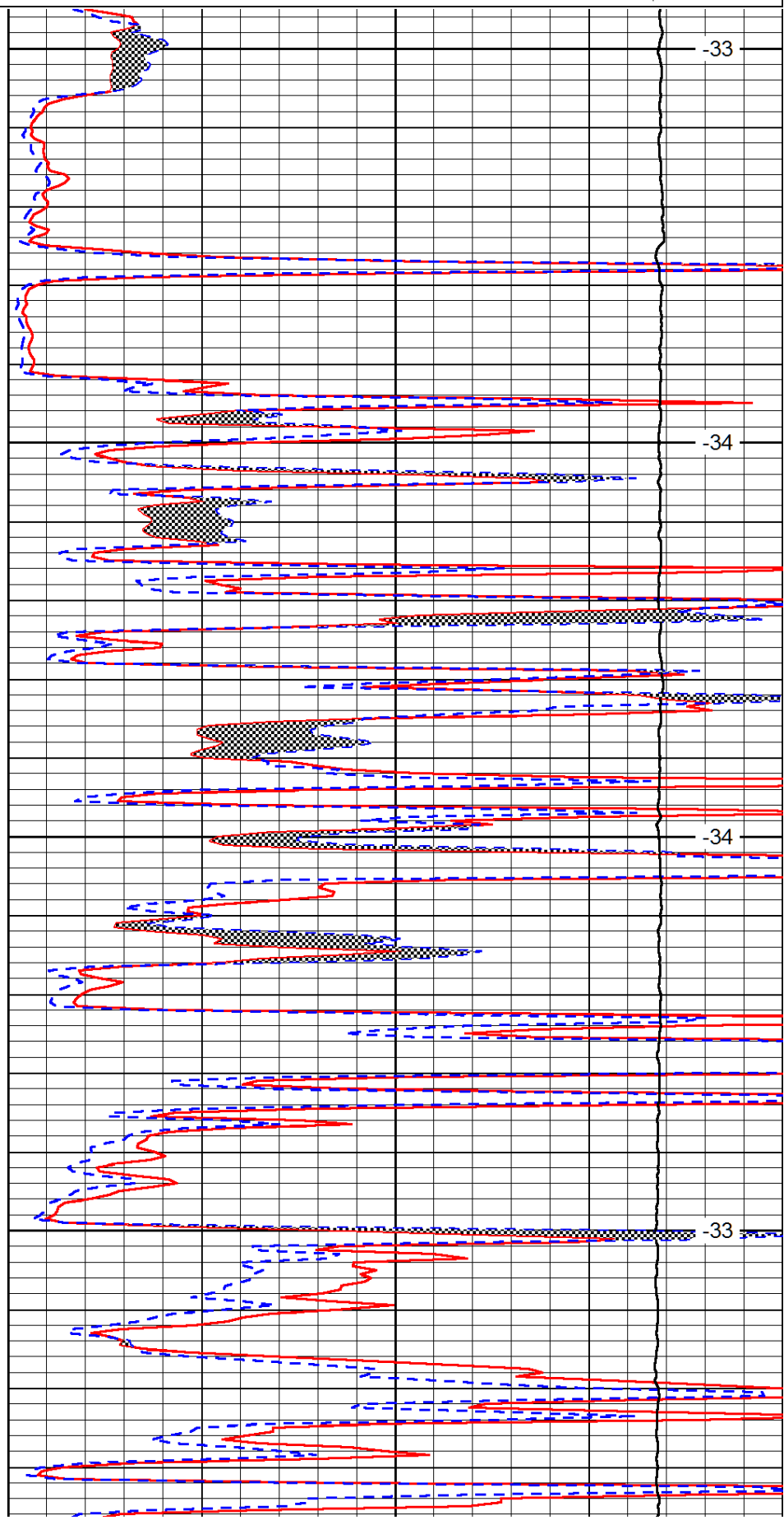
3500

3550

3600

3650

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0
		LSPD (ft/min)

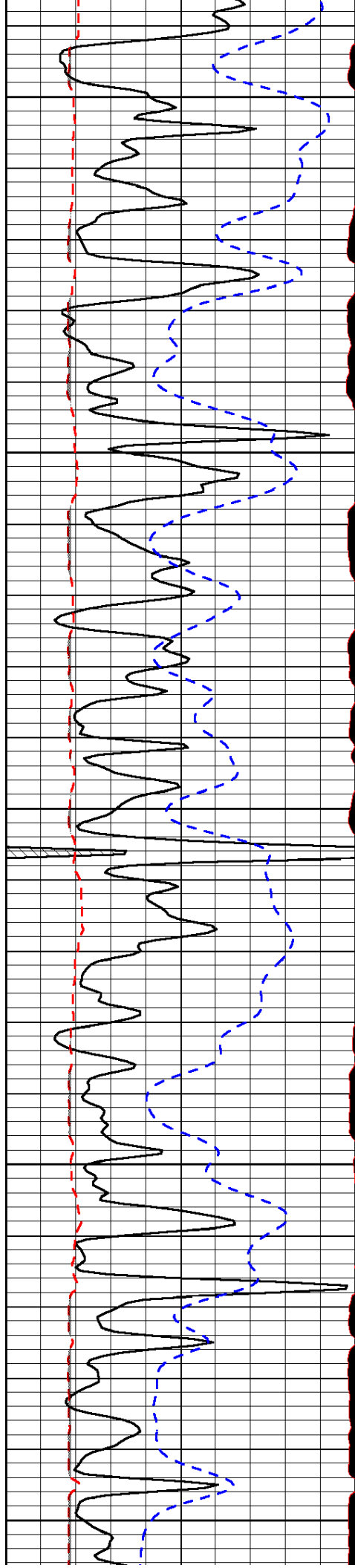


-33

-34

-34

-33



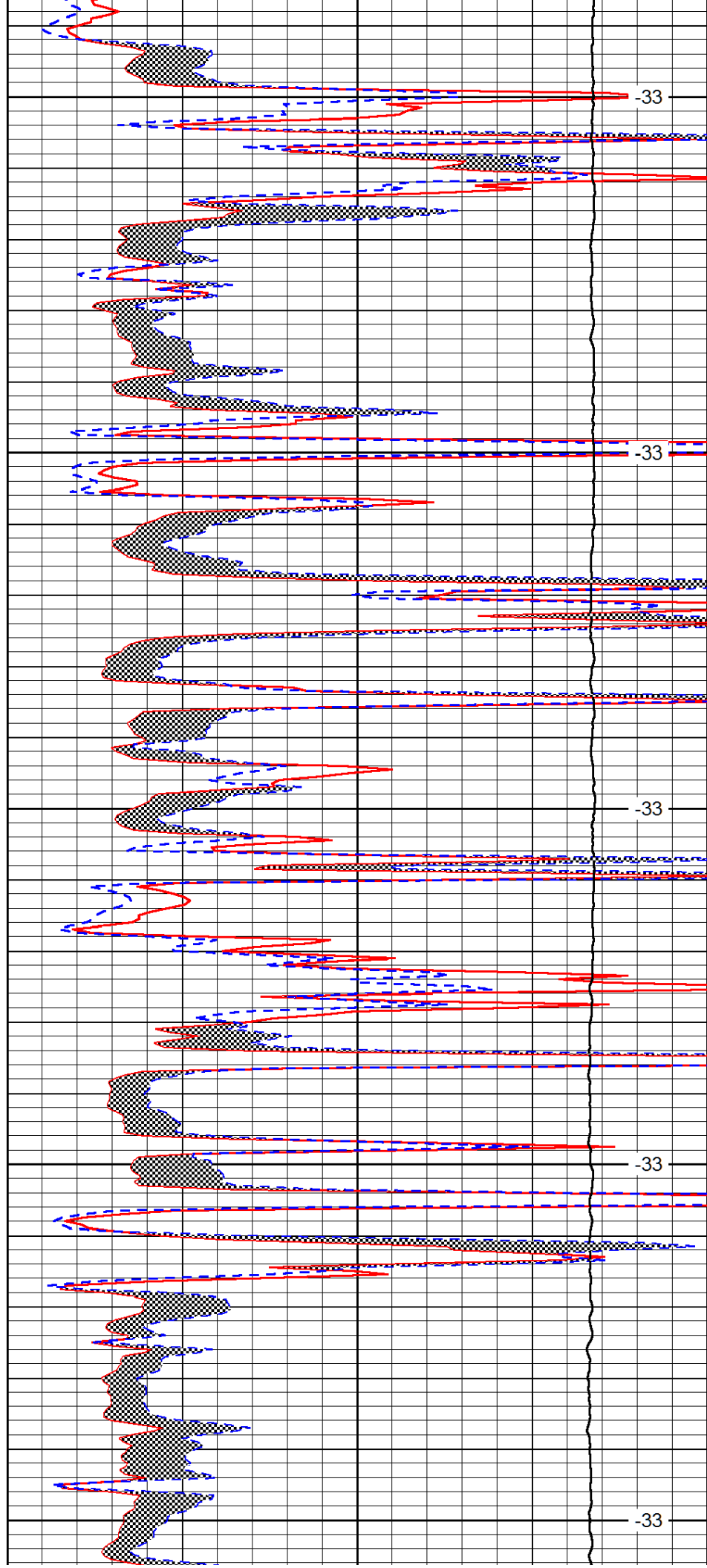
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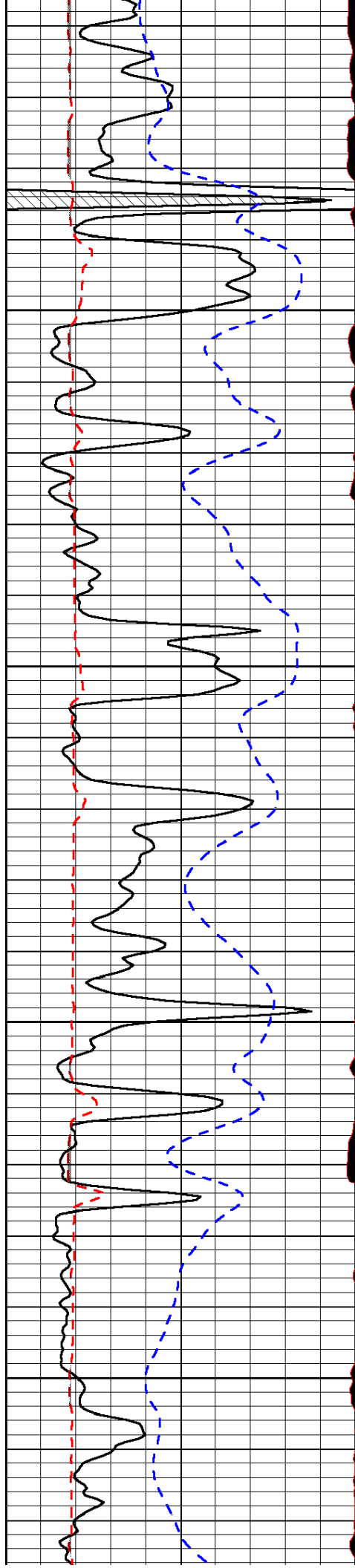
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3800

3850

3900



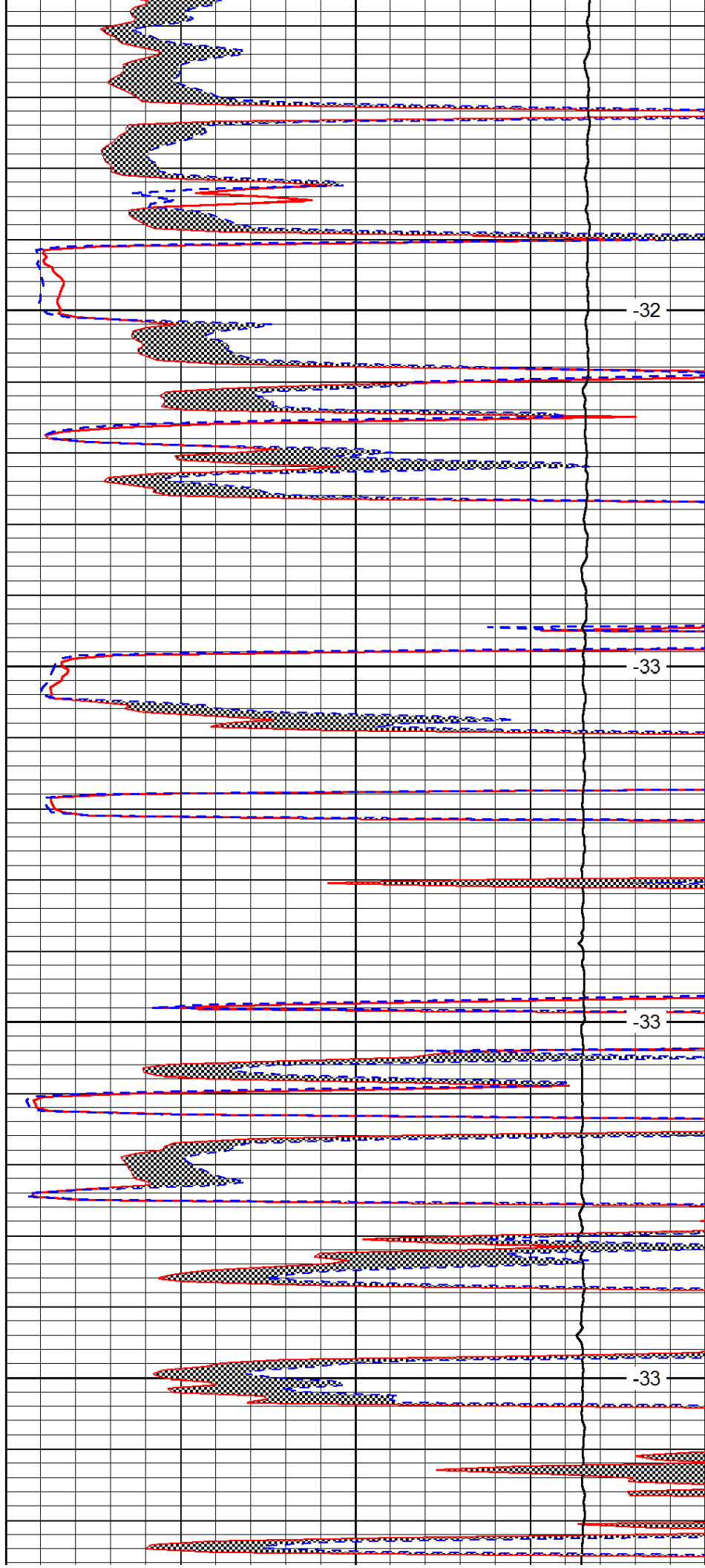


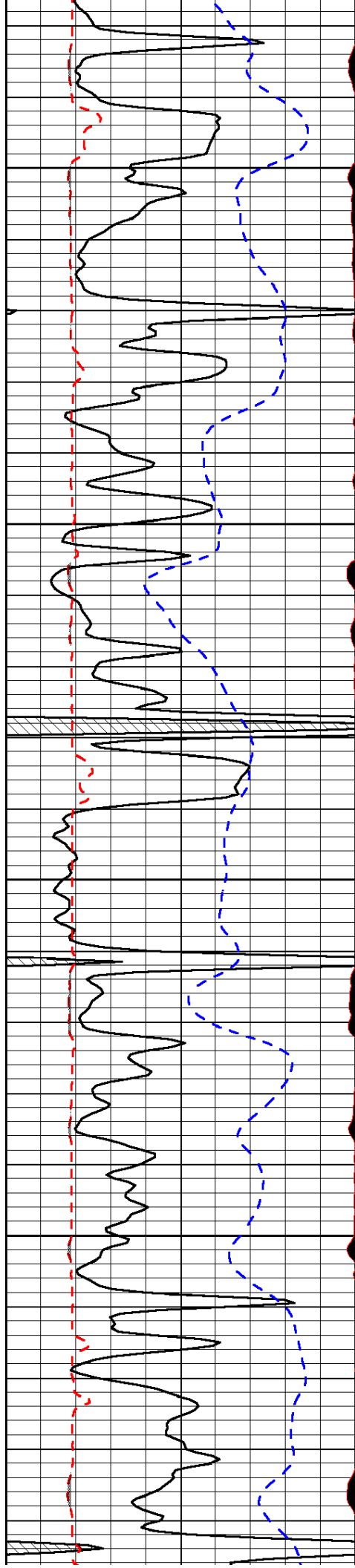
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4000

4050

4100



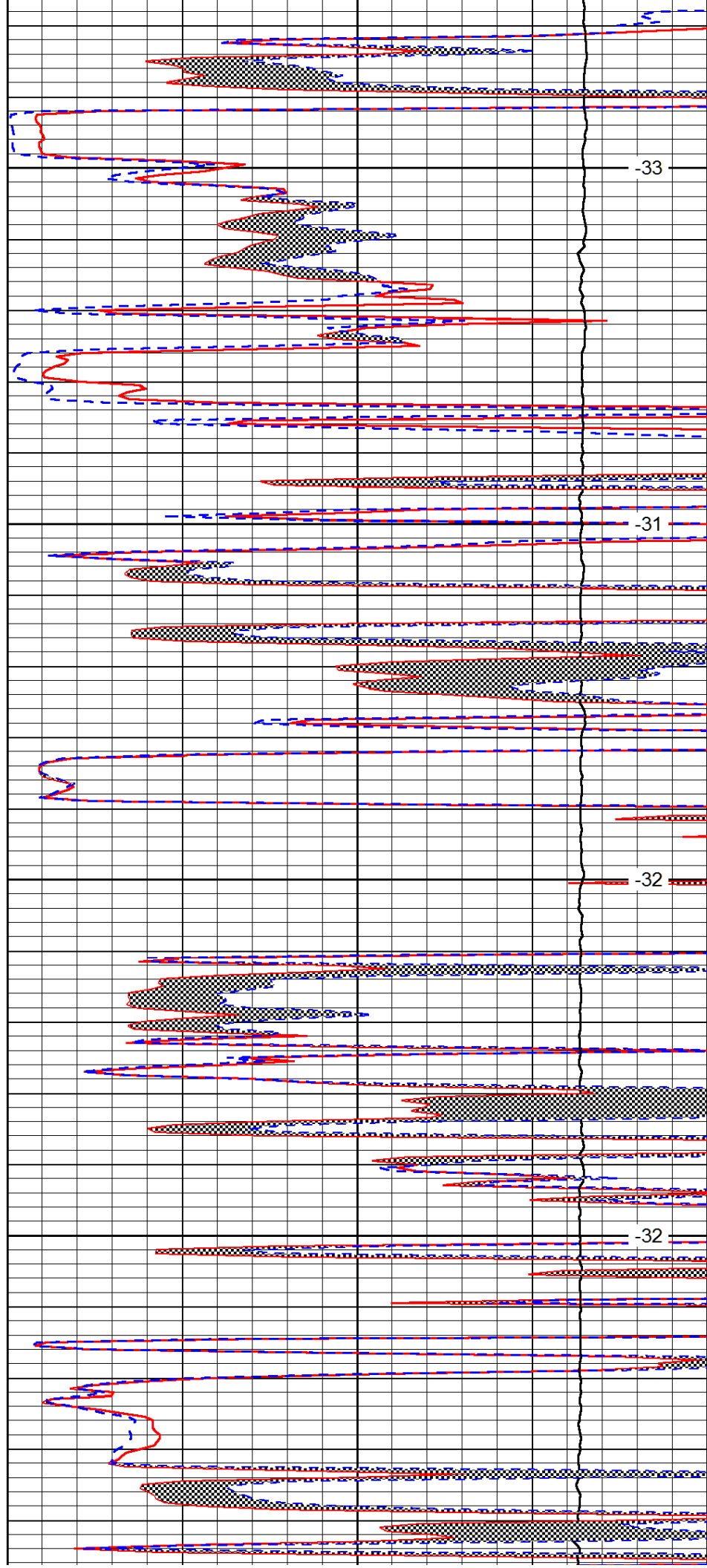


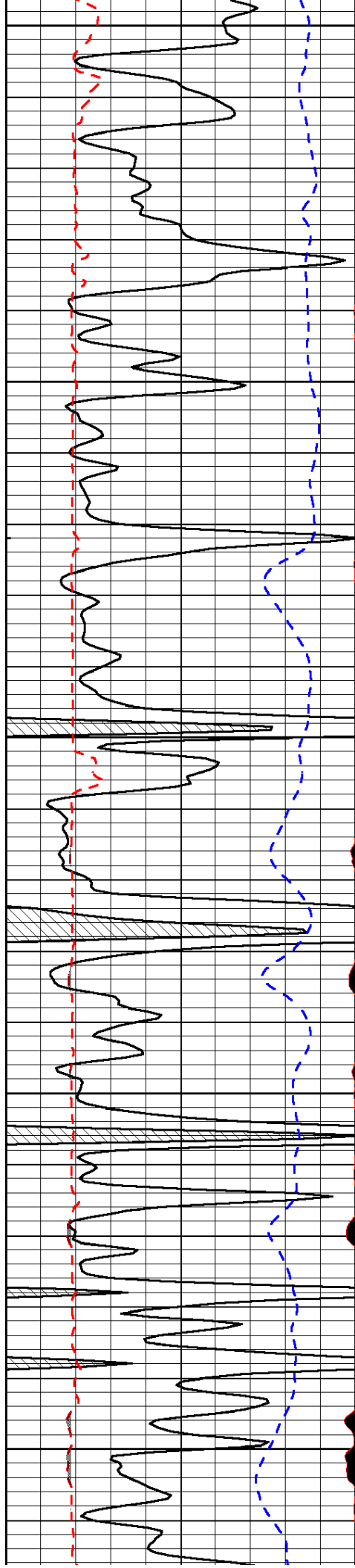
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4200

4250

4300





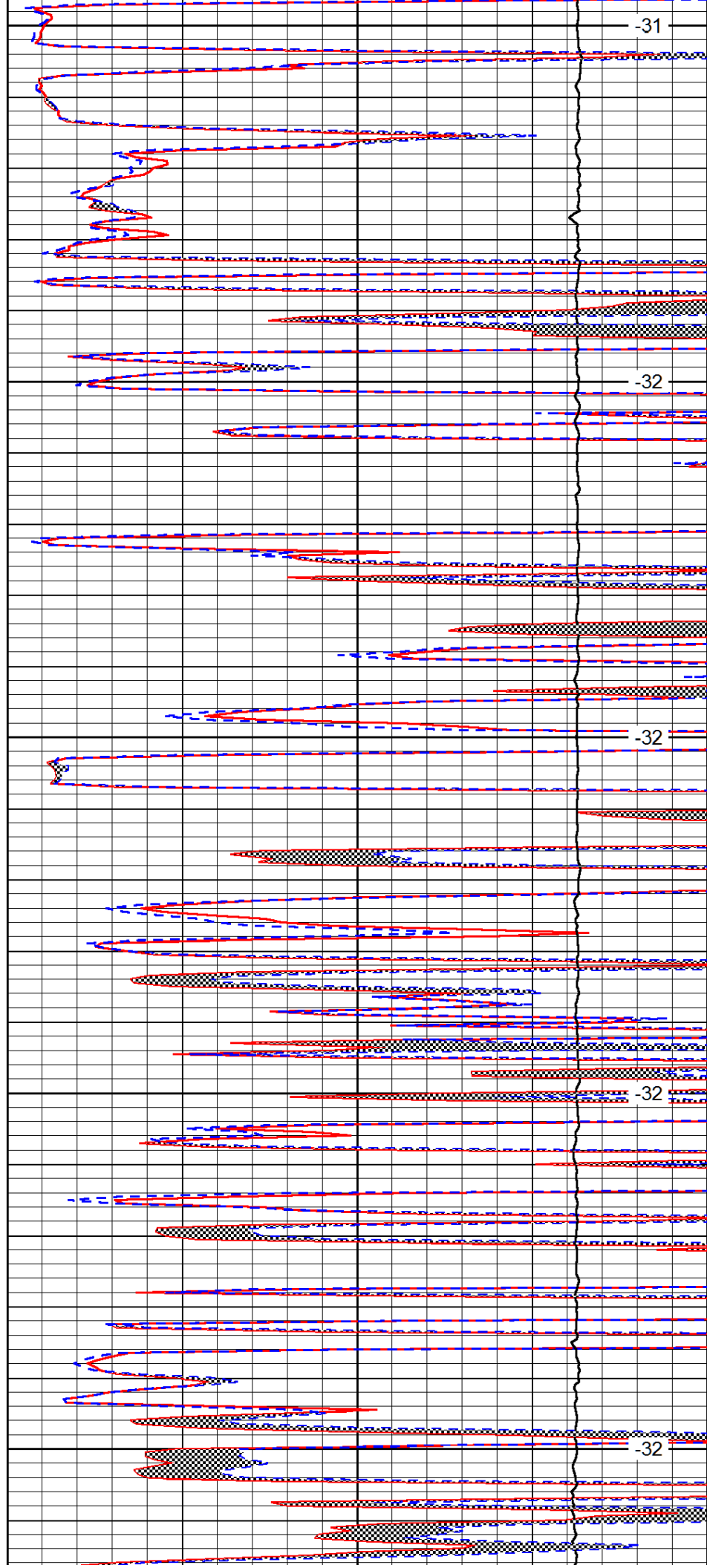
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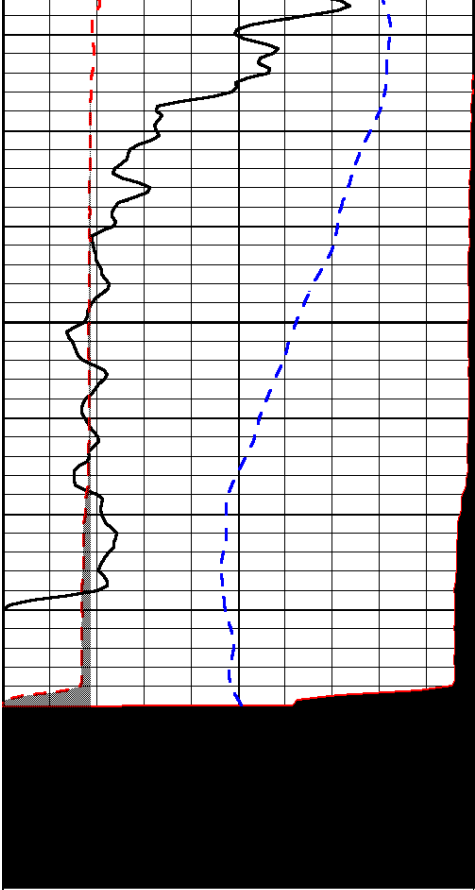
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4450

4500

4550

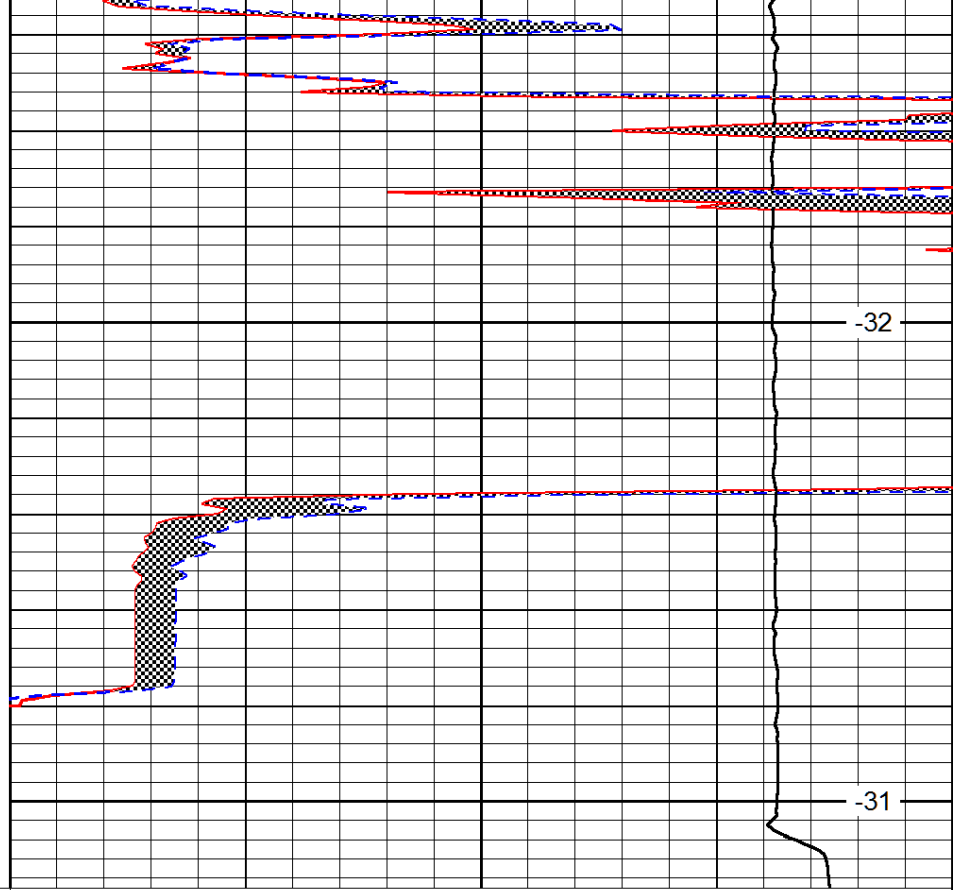




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