



Pioneer Energy Services

Microresistivity Log

API No.

15-055-22,383-00-00

Company American Warrior, Inc.

Well Six M #4-23

Field Unknown

County

Finney

State

Kansas

Location

NW SE NW NW
903' FNL & 702' FWL

Sec: 23

Twp: 22S

Rge: 34W

Elevation

Permanent Datum Ground Level Elevation 2930
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2941
D.F. 2930
G.L. 2930

Date

2/8/2015

Run Number

One

Depth Driller

4950

Depth Logger

4952

Bottom Logged Interval

4951

Top Log Interval

3750

Casing Driller

8.625 @ 1752

Casing Logger

1752

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

3000

Density / Viscosity

9.4 58

pH / Fluid Loss

10.0 8.8

Source of Sample

Flowline

Rm @ Meas. Temp

0.95 @ 62

Rmf @ Meas. Temp

0.71 @ 62

Rmc @ Meas. Temp

1.28 @ 62

Source of Rmf / Rmc

Charts

Rm @ BHT

0.47 @ 126

Operating Rig Time

3 Hours

Max Rec. Temp. F

126

Equipment Number

15

Location

Hays

Recorded By

D.Kerr

Witnessed By

Luke Thompson

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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

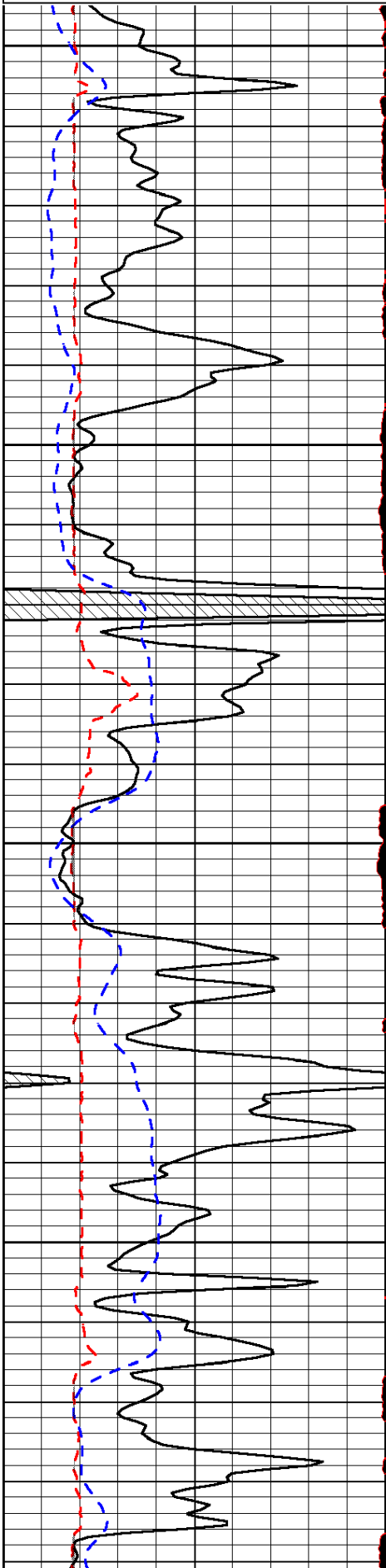
Holcomb KS, 9 North to Barlow RD,
1 3/4 West, South Into

Database File: amwarrior_sixm_4_23hd.db
Dataset Pathname: DIL/awstkml
Presentation Format: micro
Dataset Creation: Sun Feb 08 08:37:10 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

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

LSPD

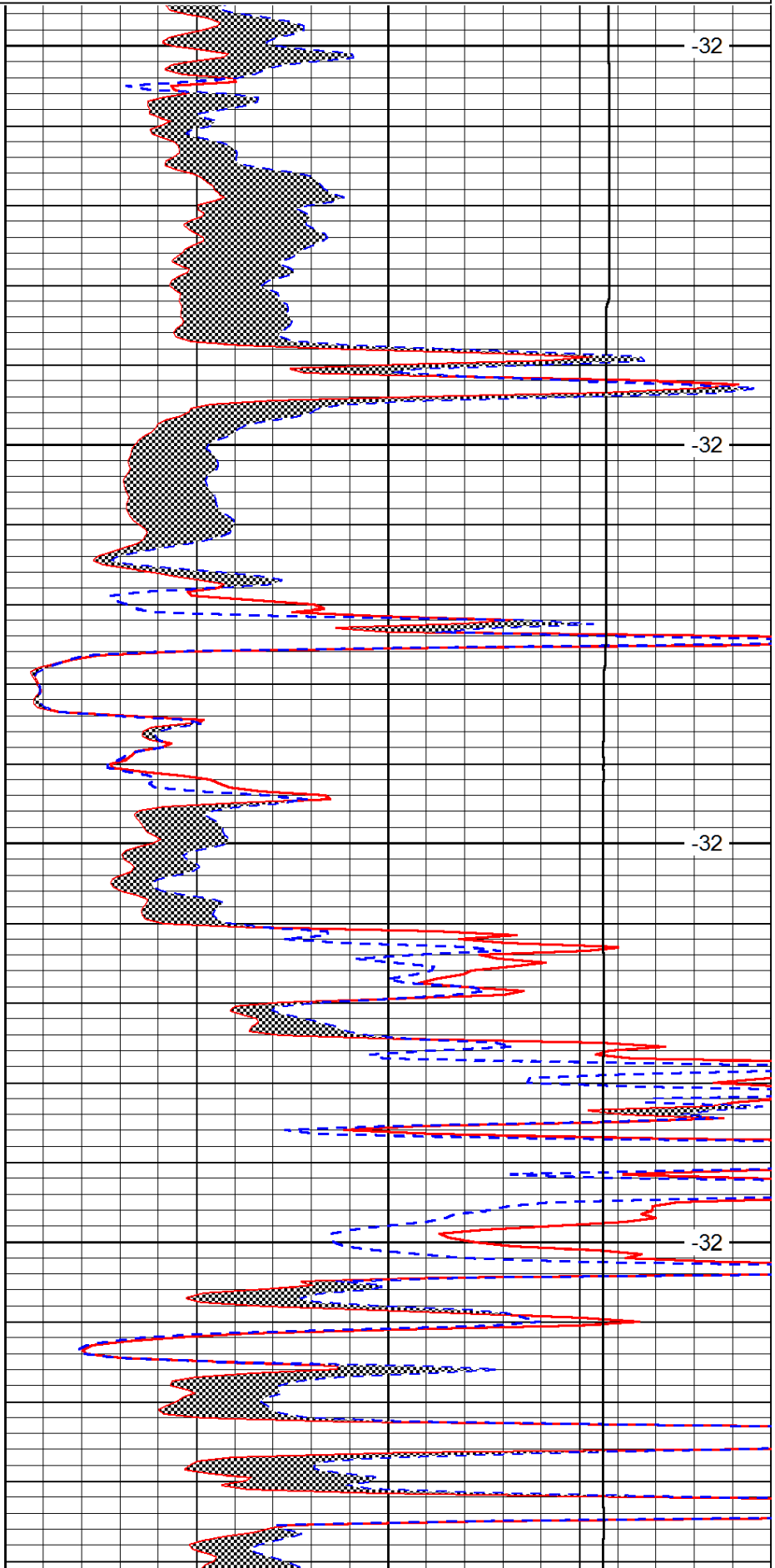


3750

3800

3850

3900

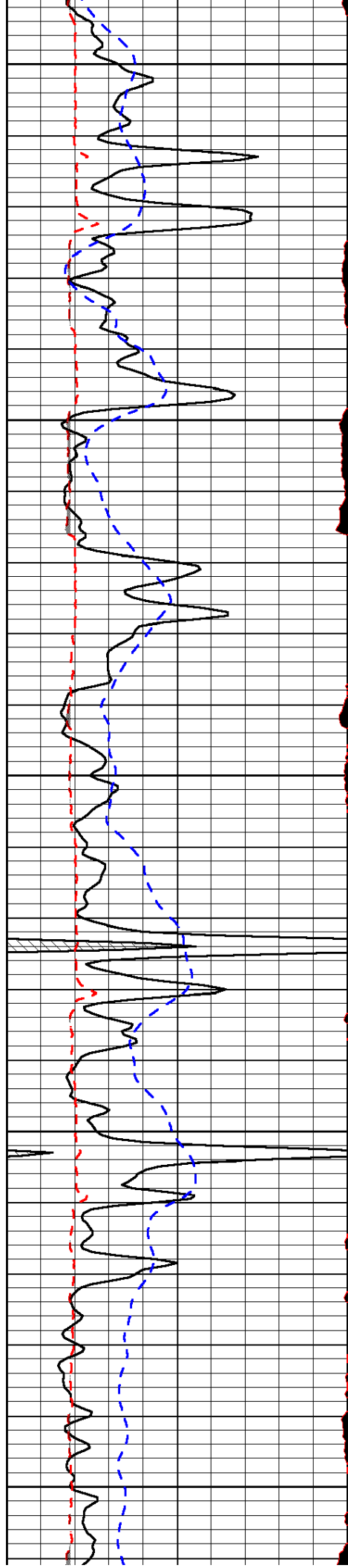


-32

-32

-32

-32



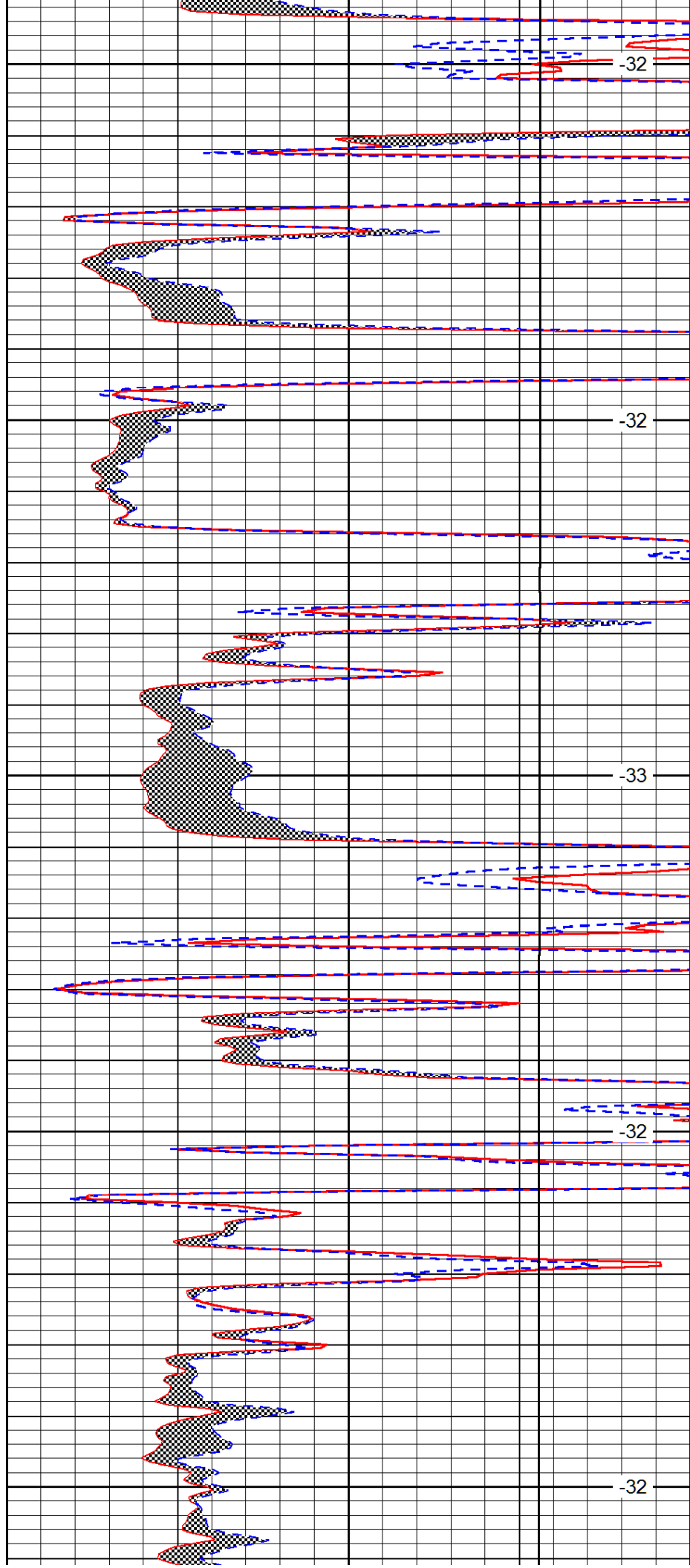
3950

4000

4050

4100

4150



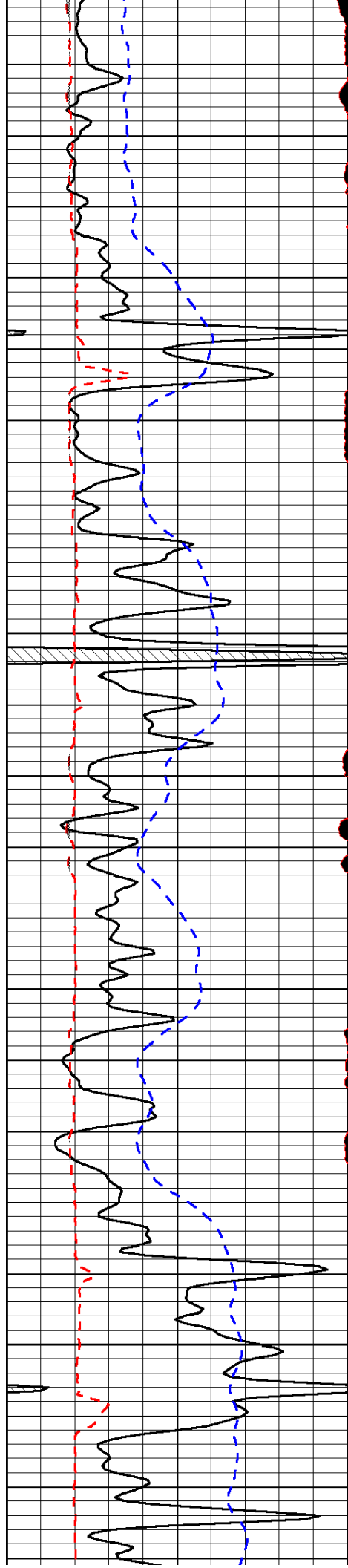
-32

-32

-33

-32

-32

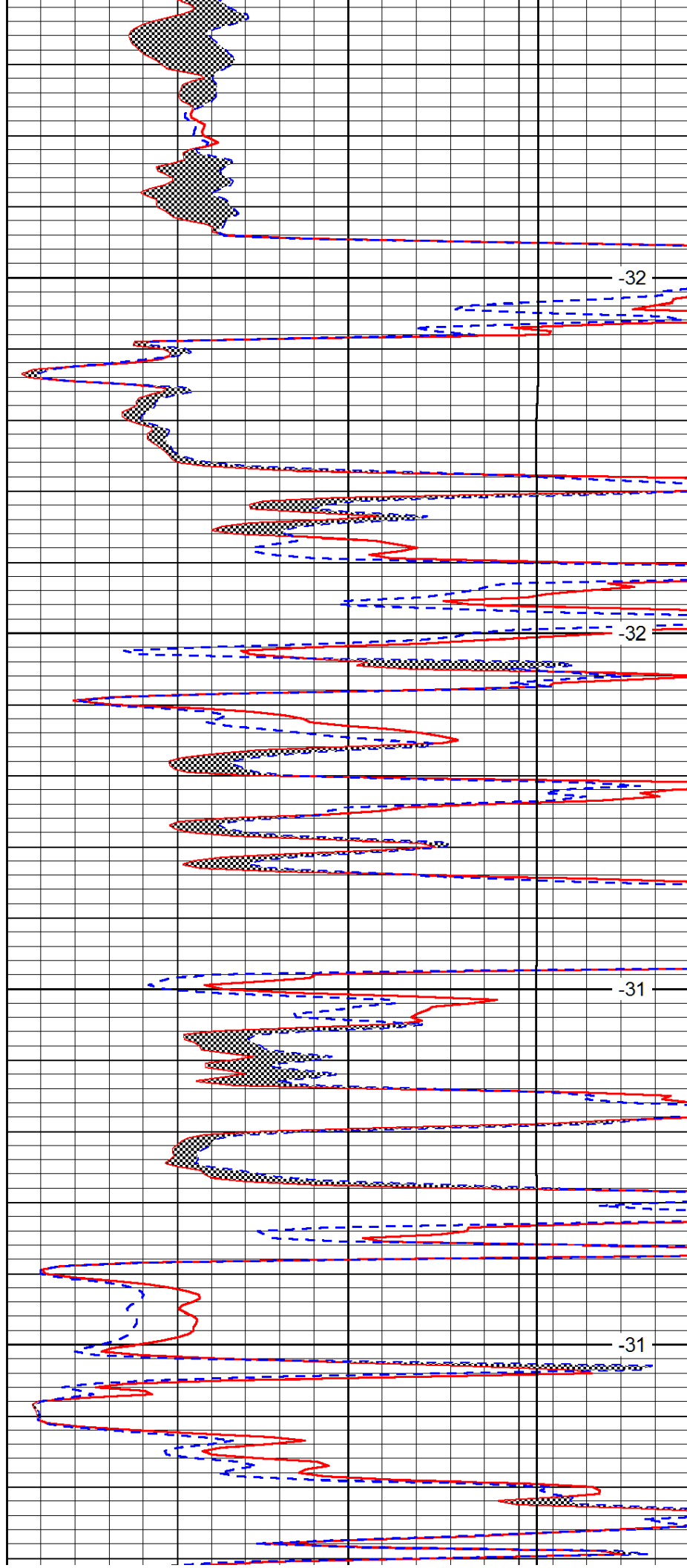


4200

4250

4300

4350

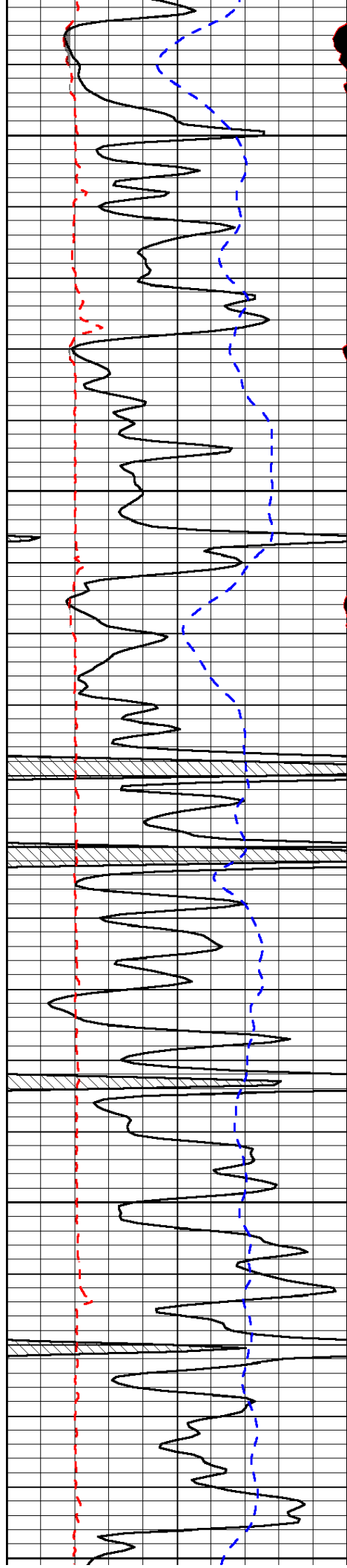


-32

-32

-31

-31



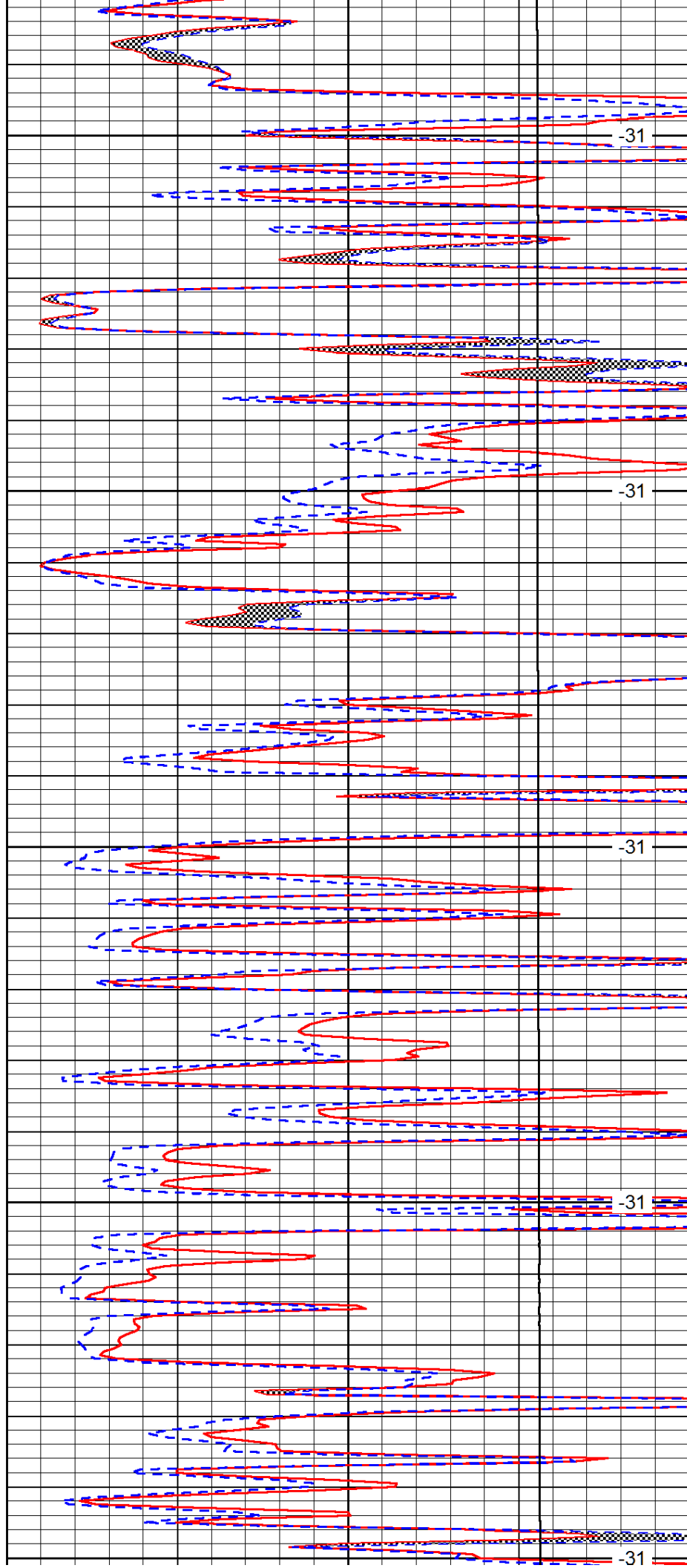
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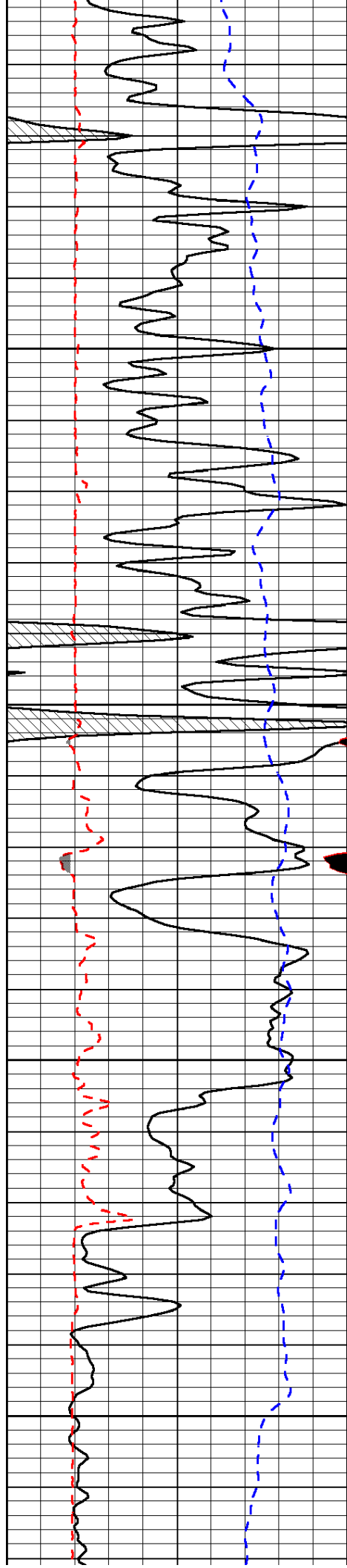
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4500

4550

4600



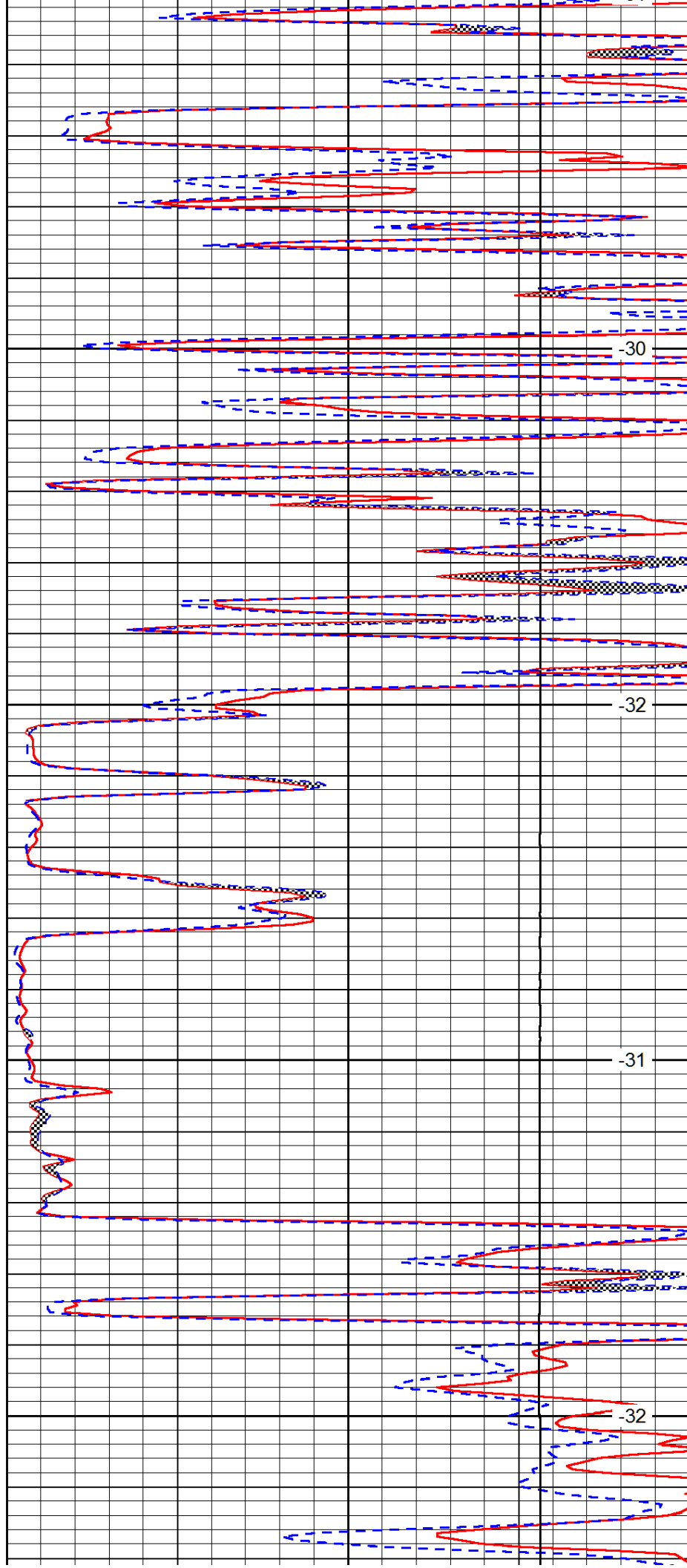


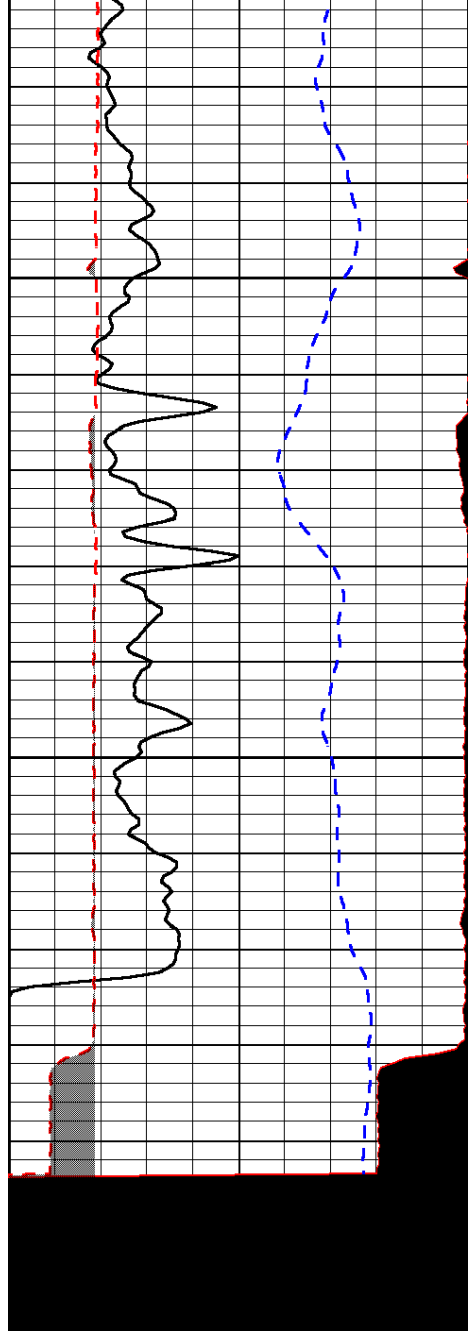
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4700

4750

4800



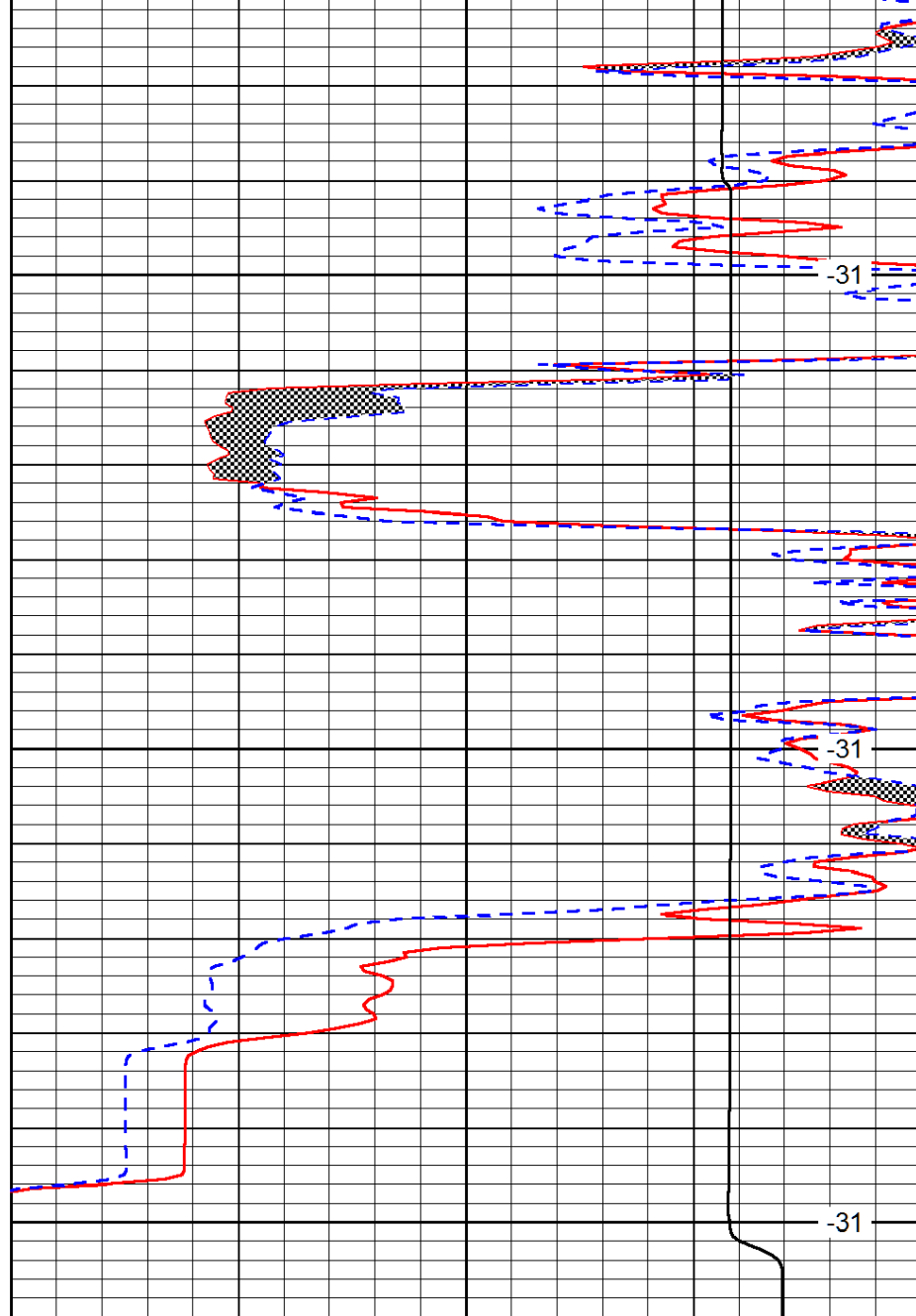


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