



Microresistivity Log

Pioneer Energy Services

API No.

15-171-20990-00-00

Company Landmark Resources, Inc.

Well Decker #3-9

Field Wildcat

County Scott State

Kansas

Location 1808' FSL & 1792' FEL

Sec: 9 Twp: 17S Rge: 34W

Other Services
CNL/CDL
DIL/BHCS

Permanent Datum Ground Level Elevation 3129

Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elevation

K.B. 3134

D.F. 3129

Date 10/24/2013

Run Number Two

Depth Driller 4925

Depth Logger 4925

Bottom Logged Interval 4924

Top Log Interval 3500

Casing Driller 8.625 @ 260

Casing Logger 262

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 10000

Density / Viscosity 9.4 53

pH / Fluid Loss 10.0 12.0

Source of Sample Flowline

Rm @ Meas. Temp 0.35 @ 50

Rmf @ Meas. Temp 0.26 @ 50

Rmc @ Meas. Temp 0.47 @ 50

Source of Rmf / Rmc Charts

Rm @ BHT 0.14 @ 127

Operating Rig Time 5 Hours

Max Rec. Temp. F 127

Equipment Number 91

Location Hays

Recorded By D. Schmidt

Witnessed By Terry McLeod

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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

Scott City,
8 West to Dakota Rd, 1 North, 1 West, 5 3/4 North,
West into

Database File: landmark_102413hd.db

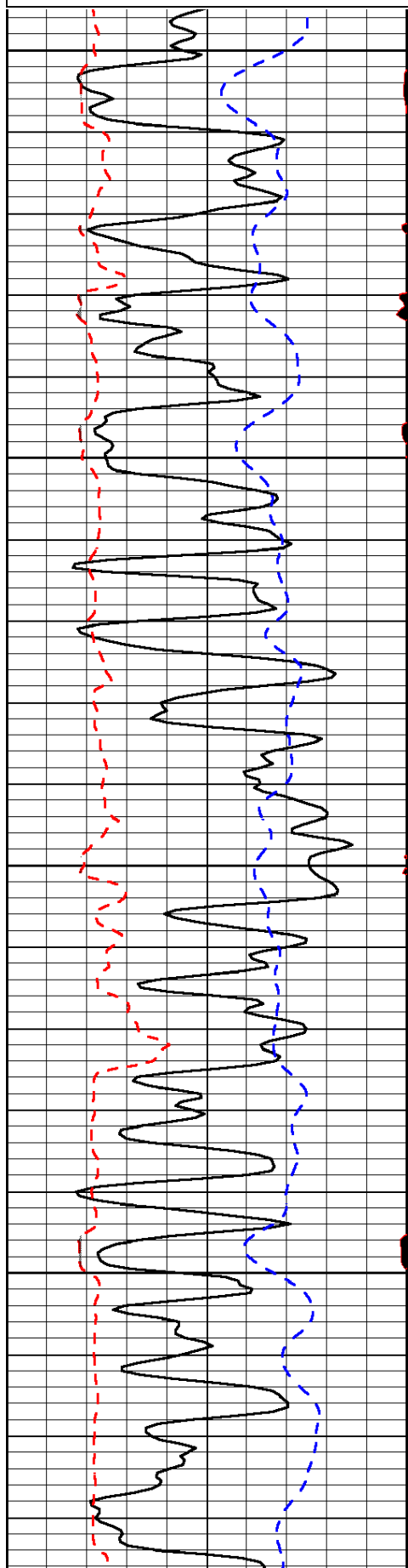
Dataset Pathname: dil/lmstck

Presentation Format: micro

Dataset Creation: Thu Oct 24 08:45:41 2013

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



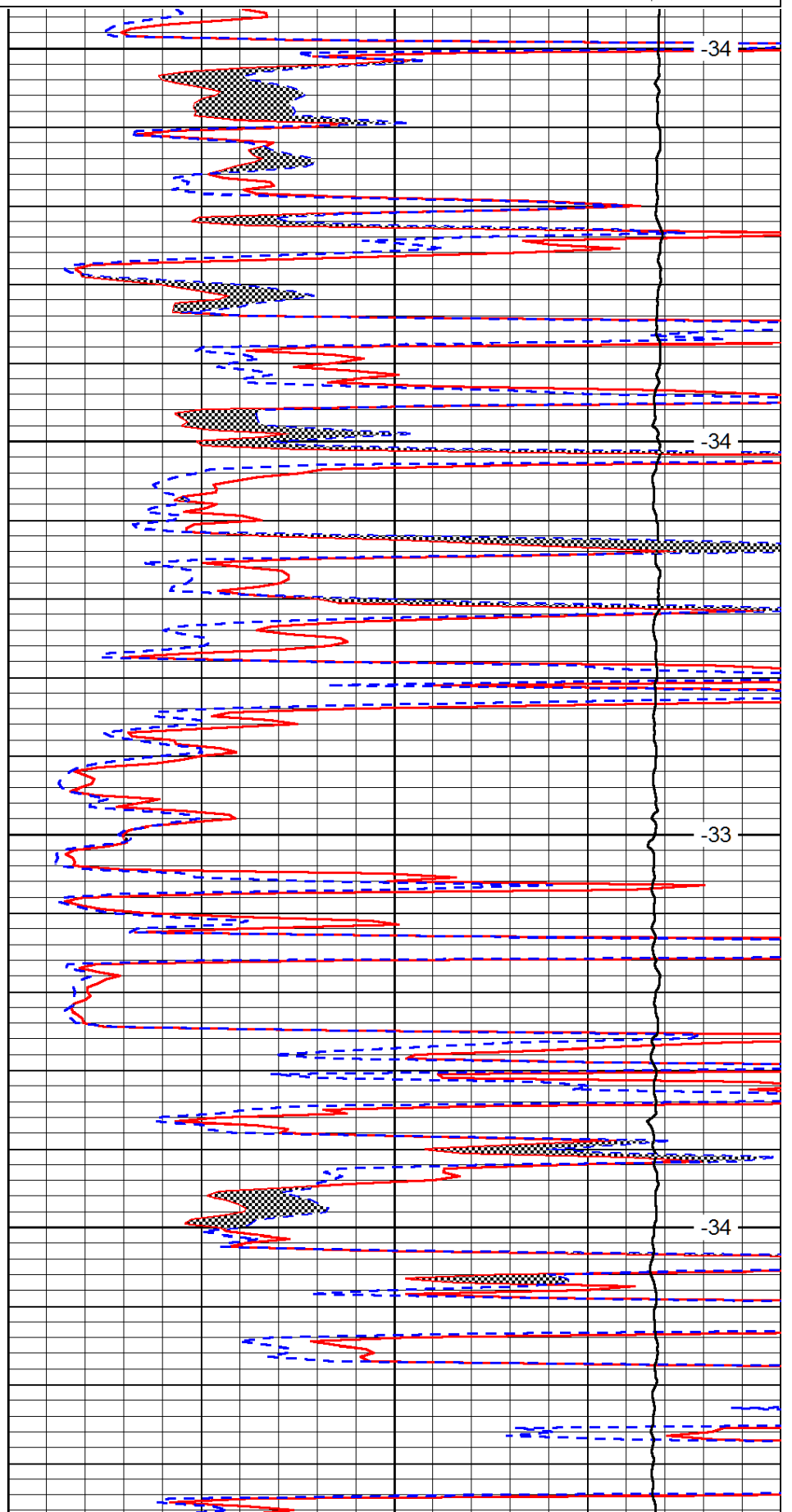
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3550

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)

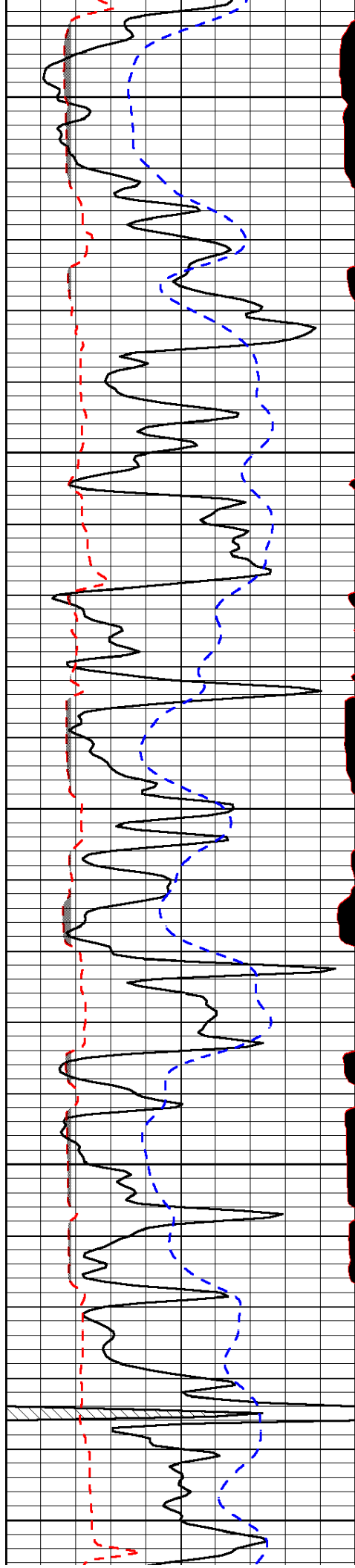


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-34

-33

-34



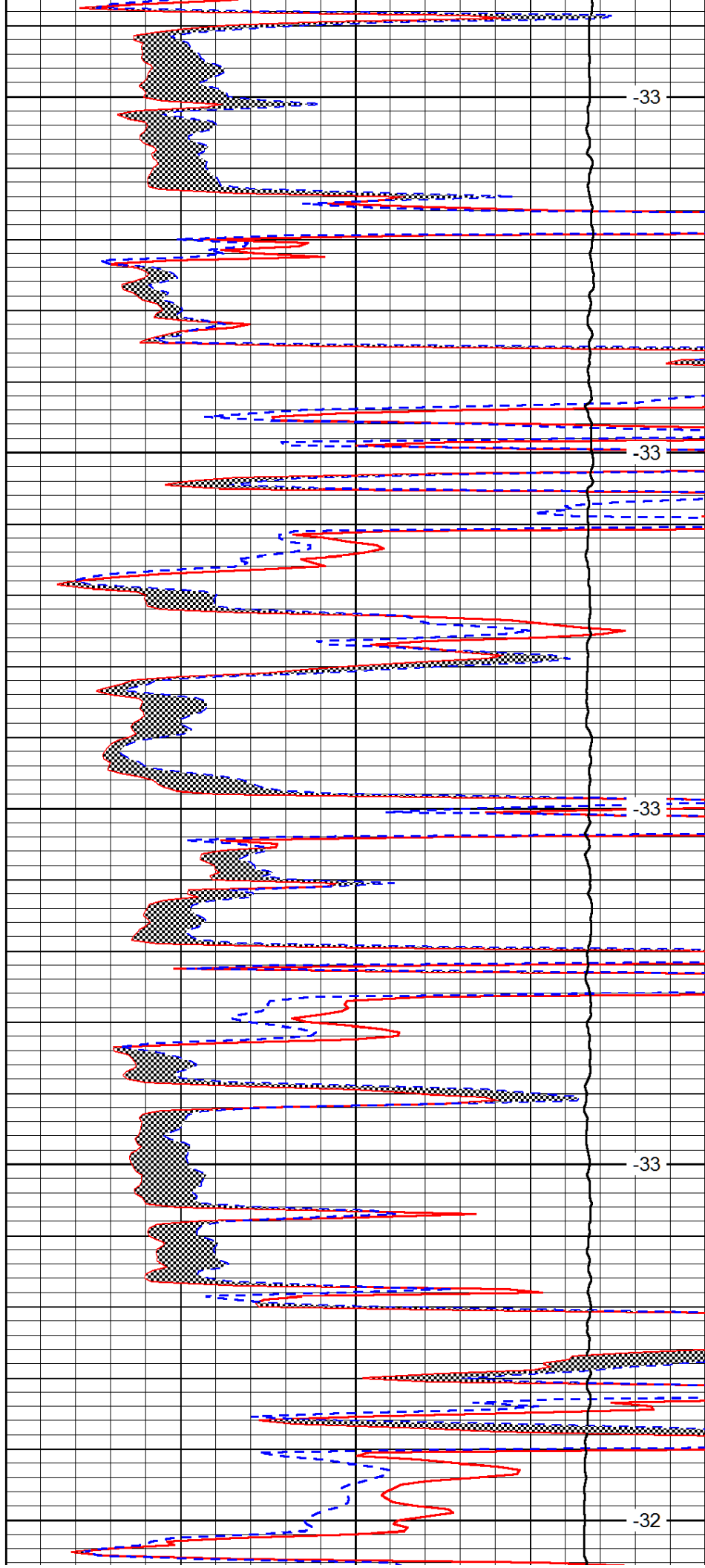
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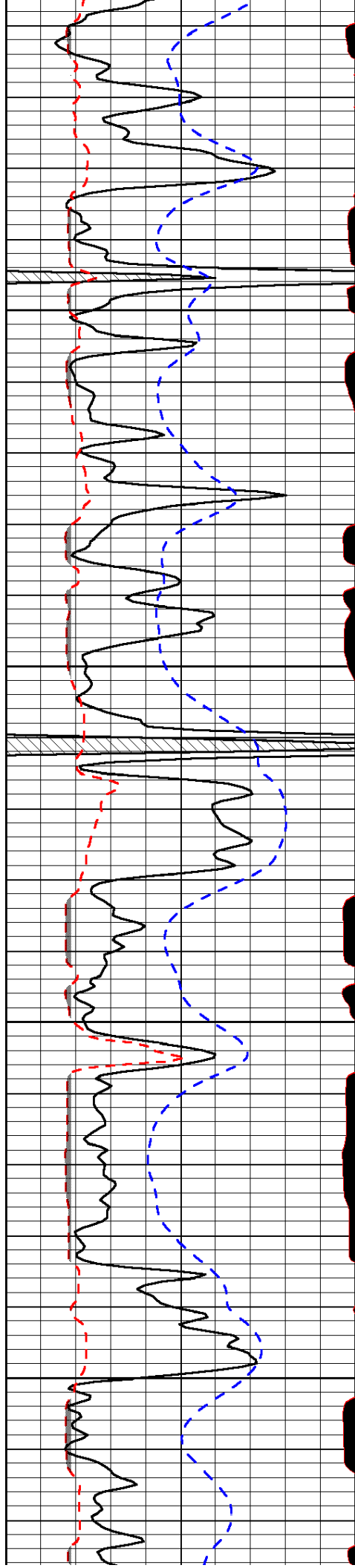
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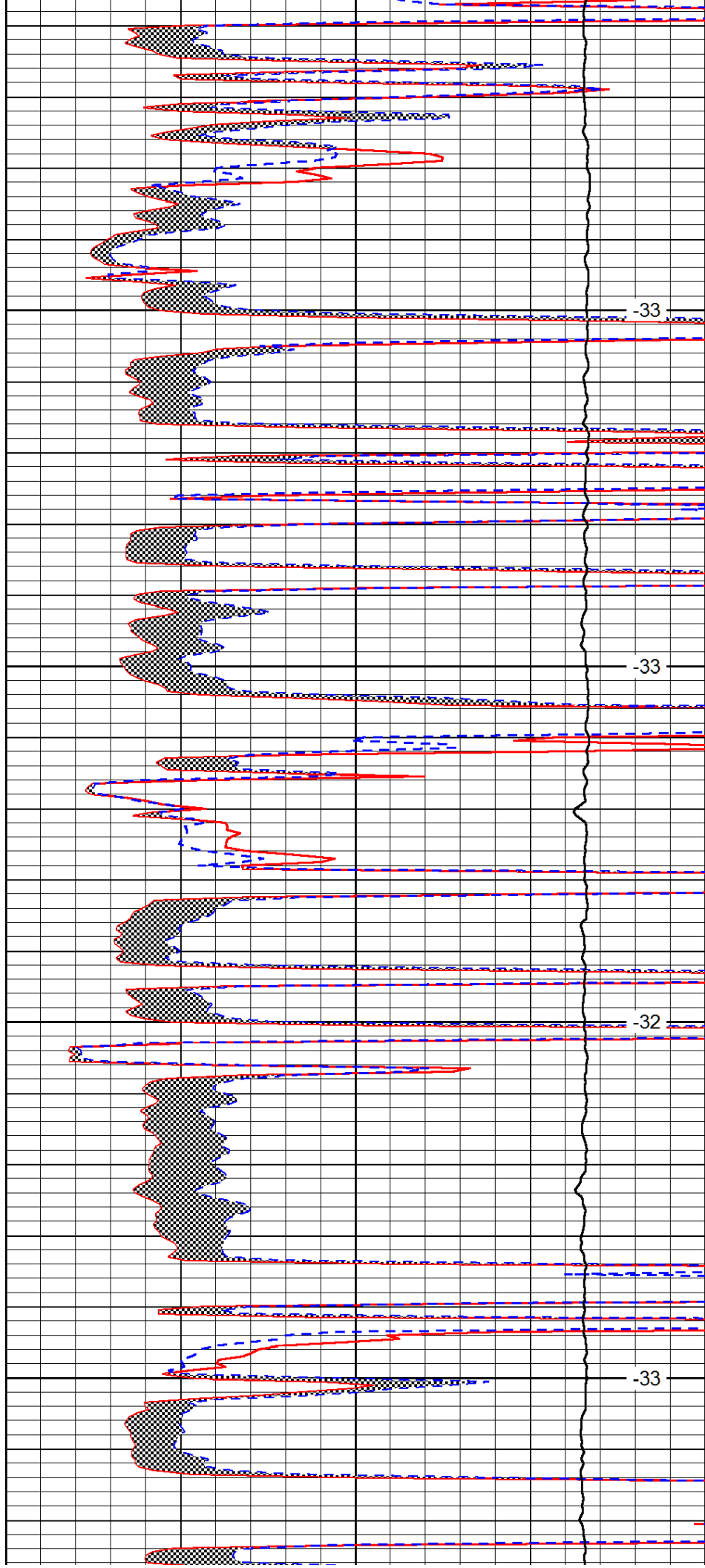


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4050

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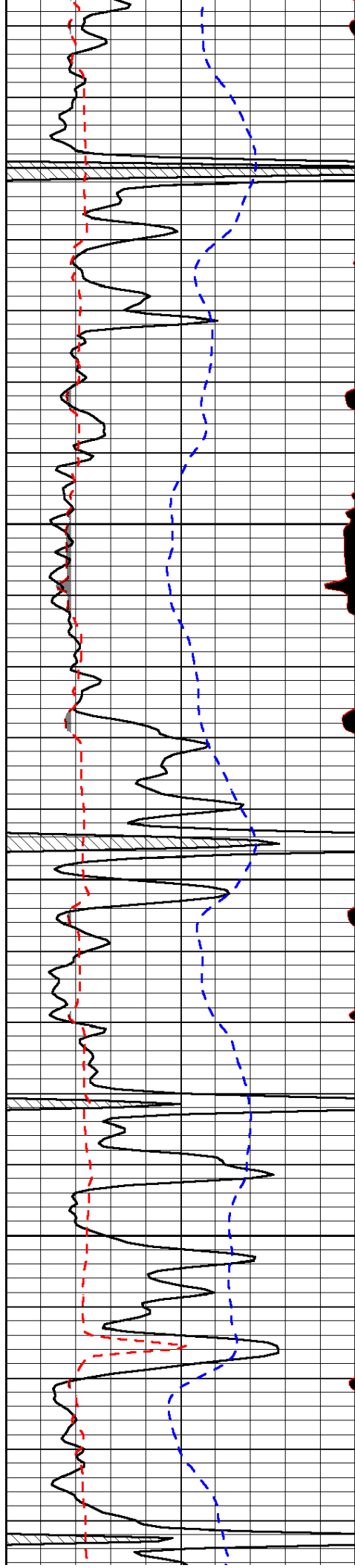


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-32

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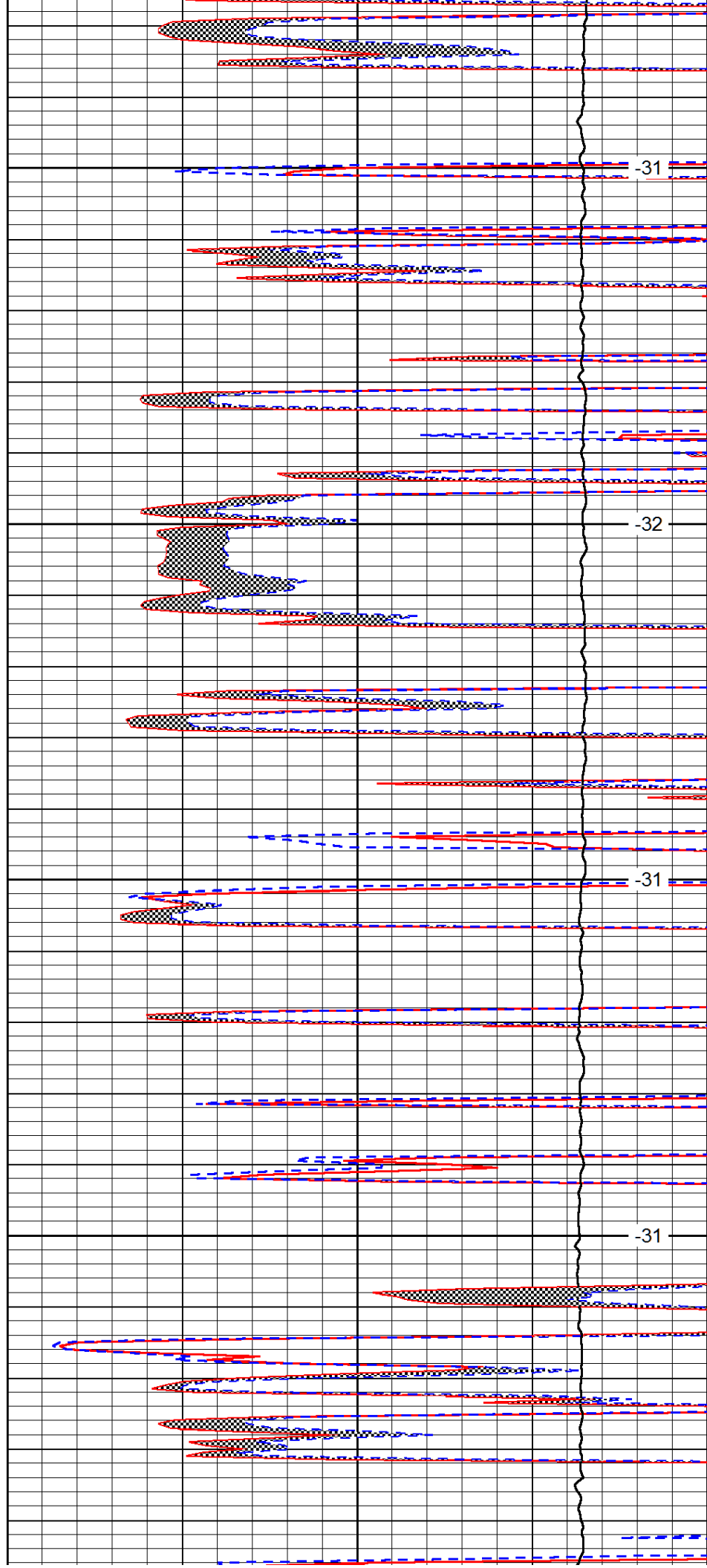


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4200

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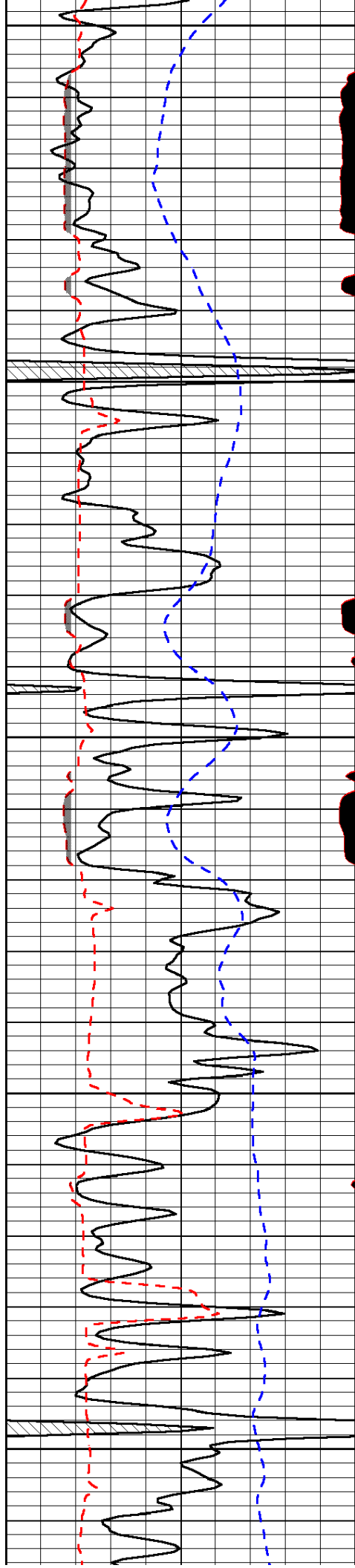


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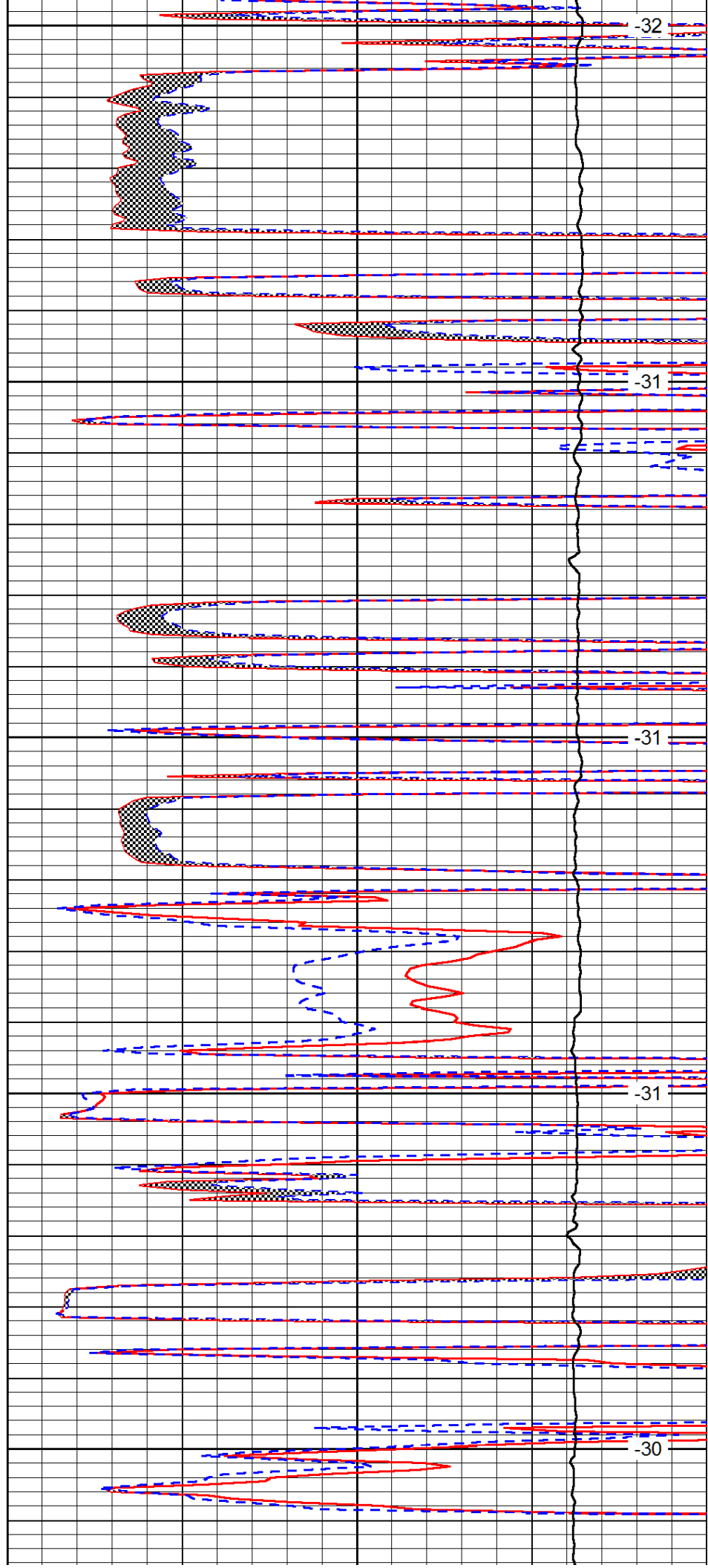
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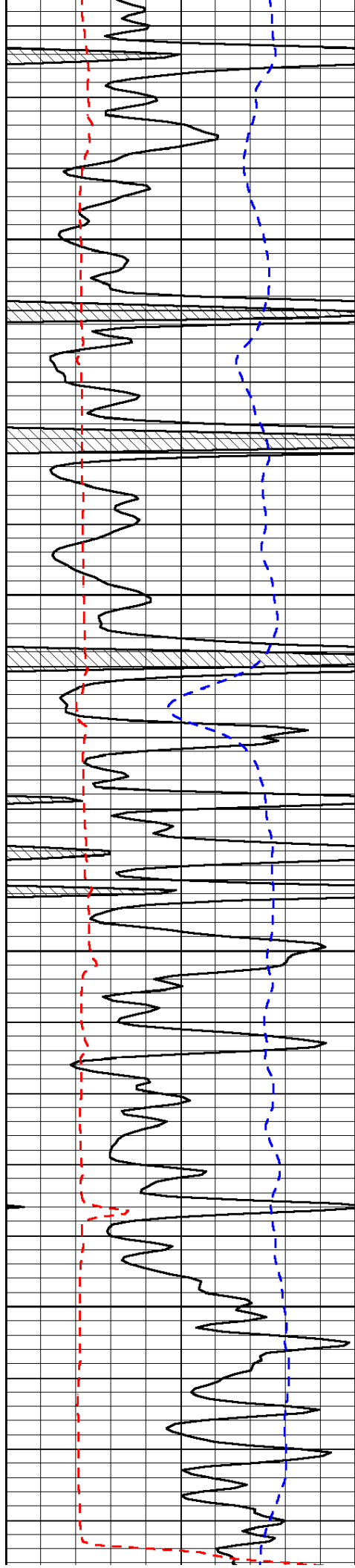
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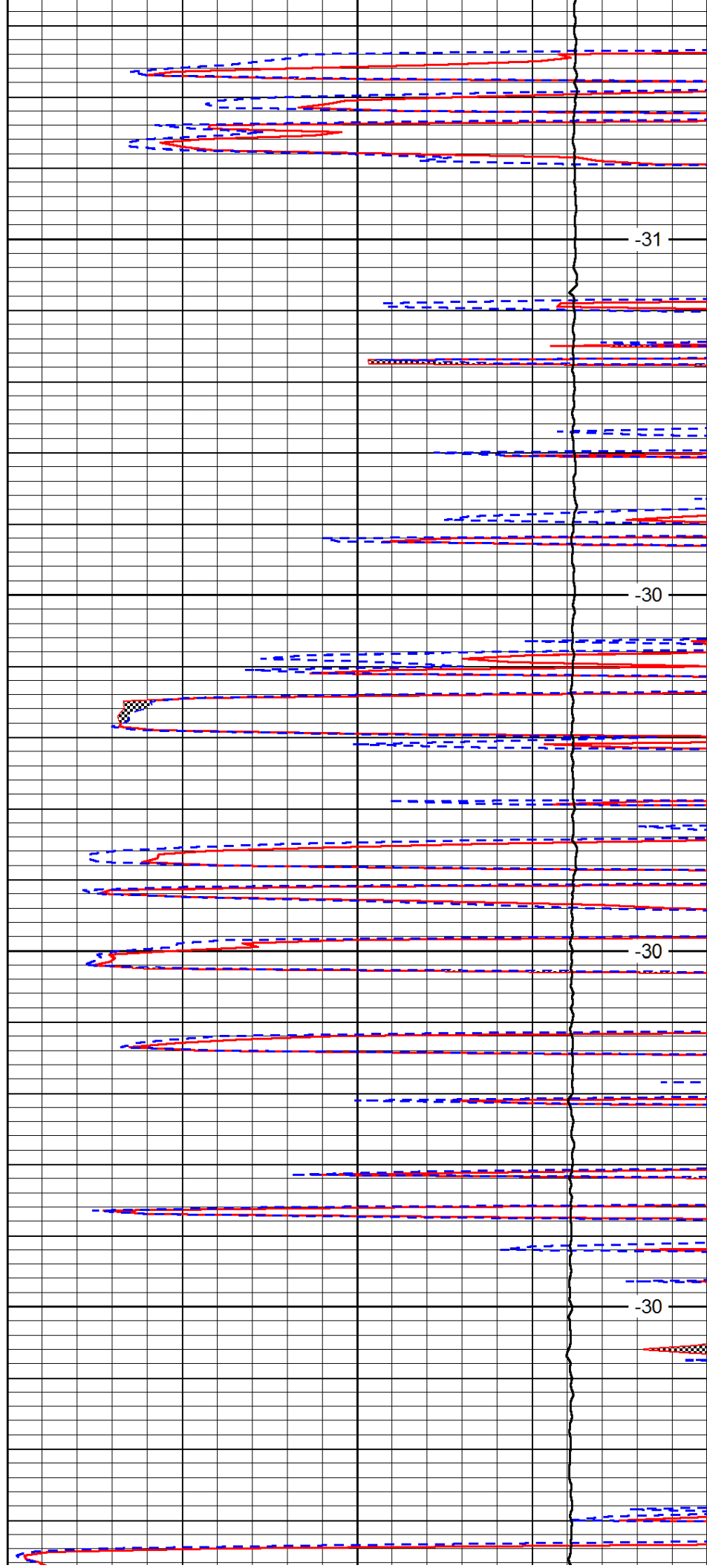


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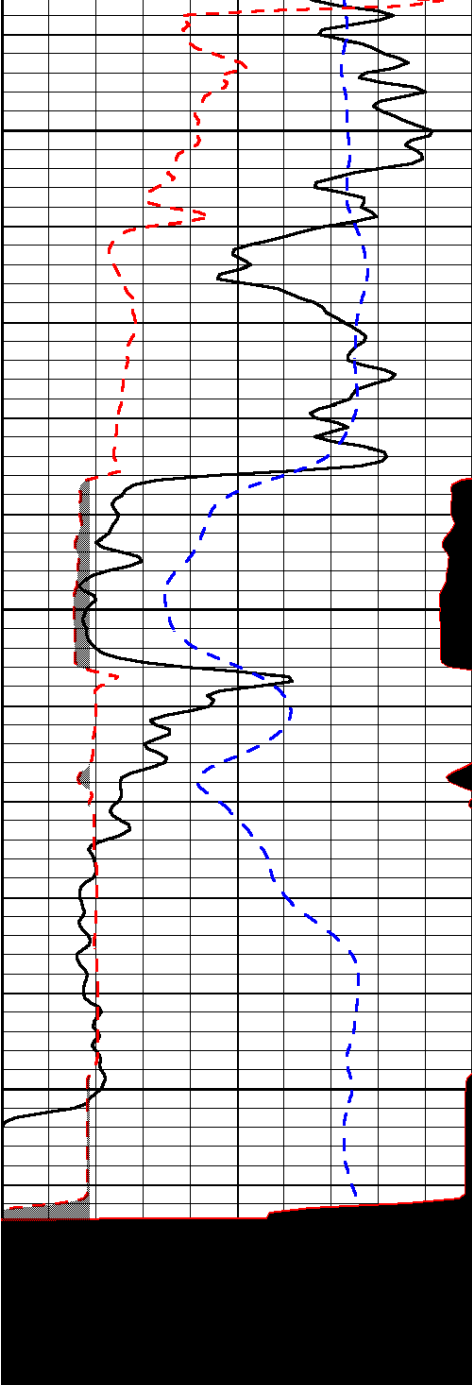


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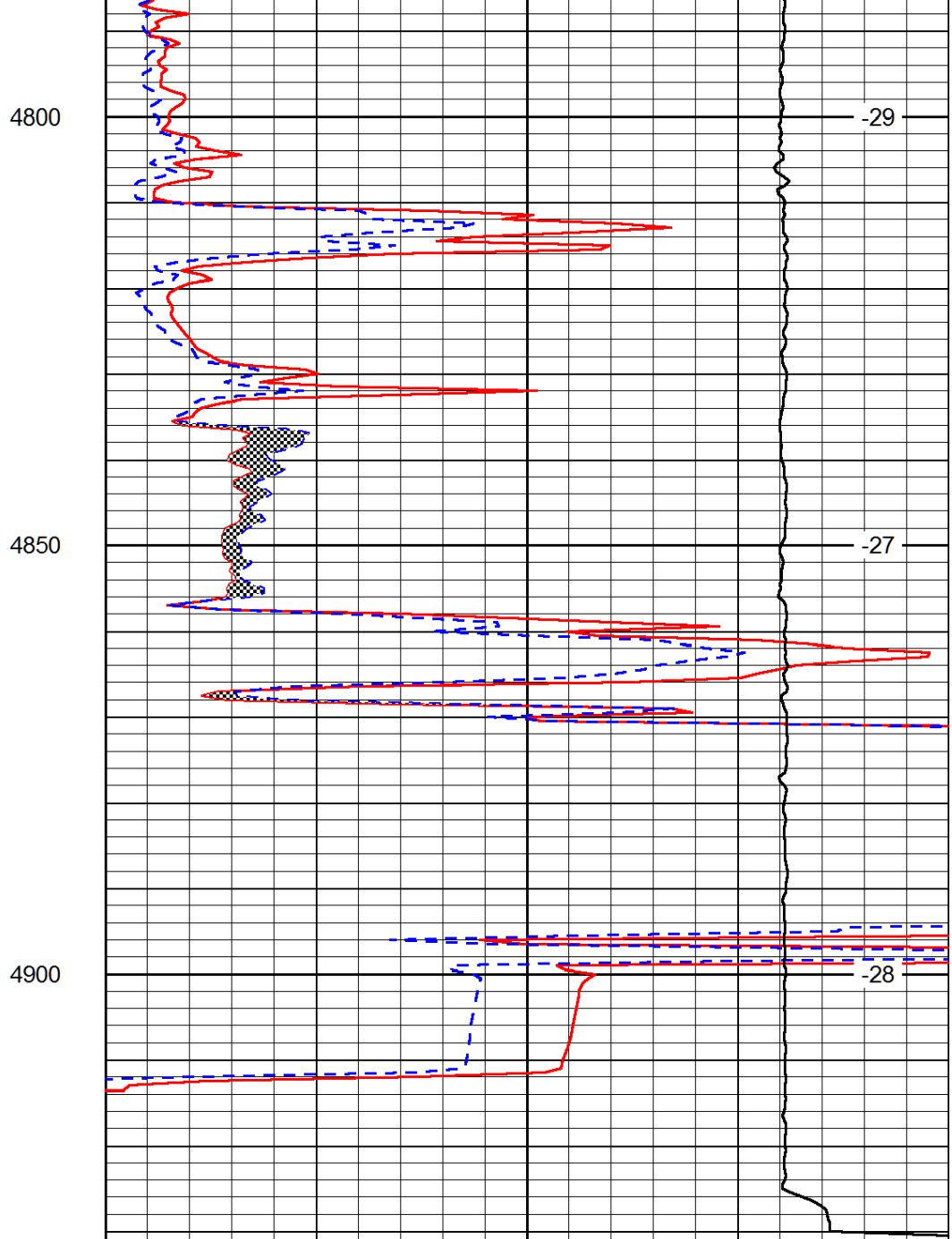
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-30

-30



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(ft/min)