



Pioneer Energy Services

Microresistivity Log

API No.

15-185-23,878-00-00

Company **Murfin Drilling Company, Inc.**

Well **Pound No.1-34**

Field **Mike's Meteor**

County **Stafford** State **Kansas**

Location **330' FSL & 330' FEL**

Sec: **32** Twp: **22S** Rge: **12W**

Permanent Datum **Ground Level** Elevation **1831**

Log Measured From **Kelly Bushing** 11 Ft. Above Perm. Datum

Drilling Measured From **Kelly Bushing**

Other Services
CNL/CDL
DIL/BHCS

Elevation
K.B. 1842
D.F. 1831
G.L. 1831

Date **8/13/2014**

Run Number **Two**

Depth Driller **3910**

Depth Logger **3903**

Bottom Logged Interval **3902**

Top Log Interval **2700**

Casing Driller **8.625 @ 643**

Casing Logger **643**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity, ppm CL **15,200**

Density / Viscosity **9.35 51**

pH / Fluid Loss **11.0 7.2**

Source of Sample **Flowline**

Rm @ Meas. Temp **.12 @ 76**

Rmf @ Meas. Temp **.09 @ 76**

Rmc @ Meas. Temp **.16 @ 76**

Source of Rmf / Rmc **Charts**

Rm @ BHT **.08 @ 115**

Operating Rig Time **4 1/2 Hours**

Max Rec. Temp. F **115**

Equipment Number **10**

Location **Hays**

Recorded By **C. Desaire**

Witnessed By **Chuck Schmalz**

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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.

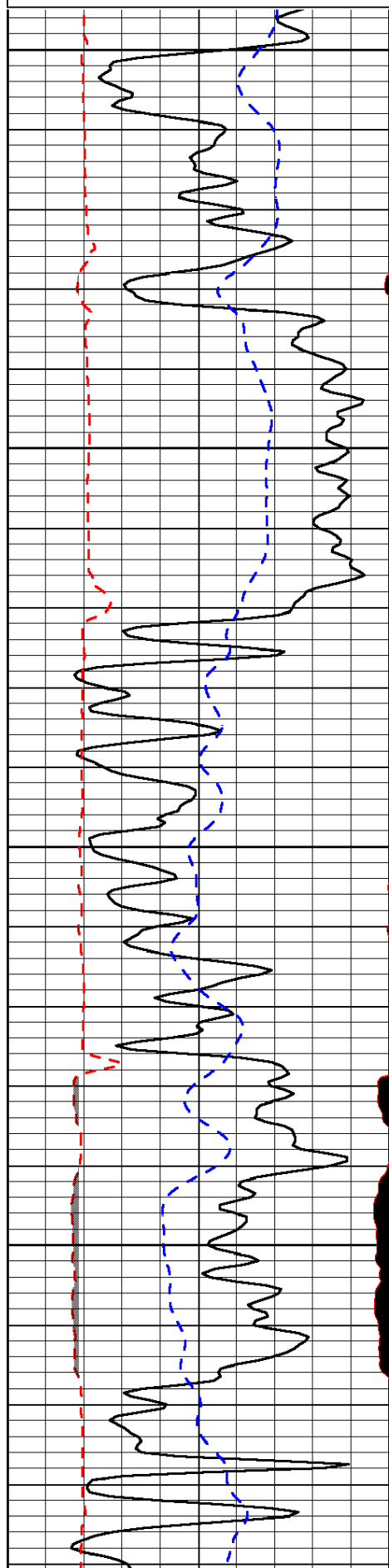
Comments

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

St. John KS, N to 70th St,
7 E, 2 N, W Into

Database File: murfhd.db
Dataset Pathname: dil/murfstk
Presentation Format: micro
Dataset Creation: Wed Aug 13 22:00:51 2014
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



2700

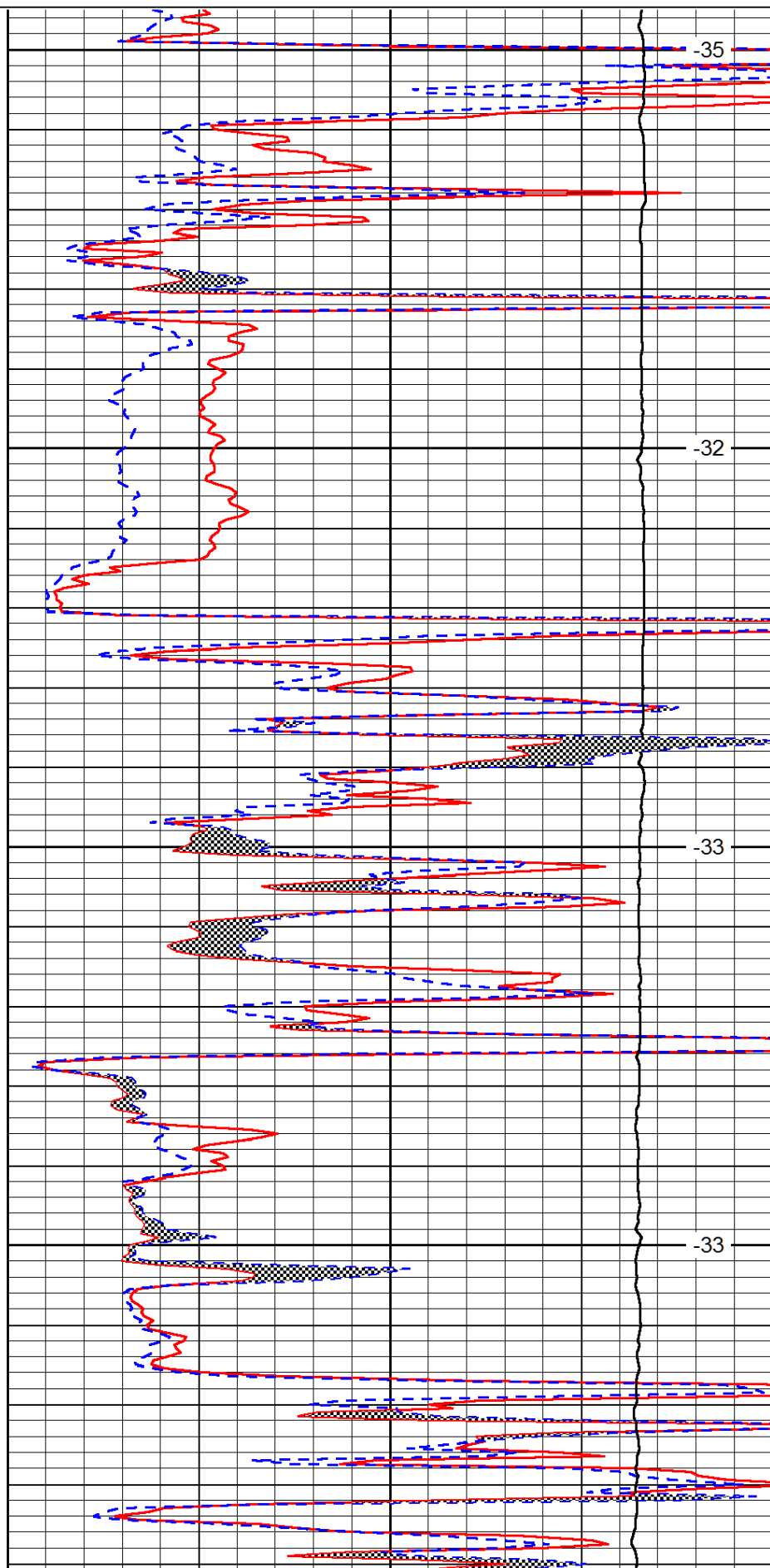
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2800

2850

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

LSPD

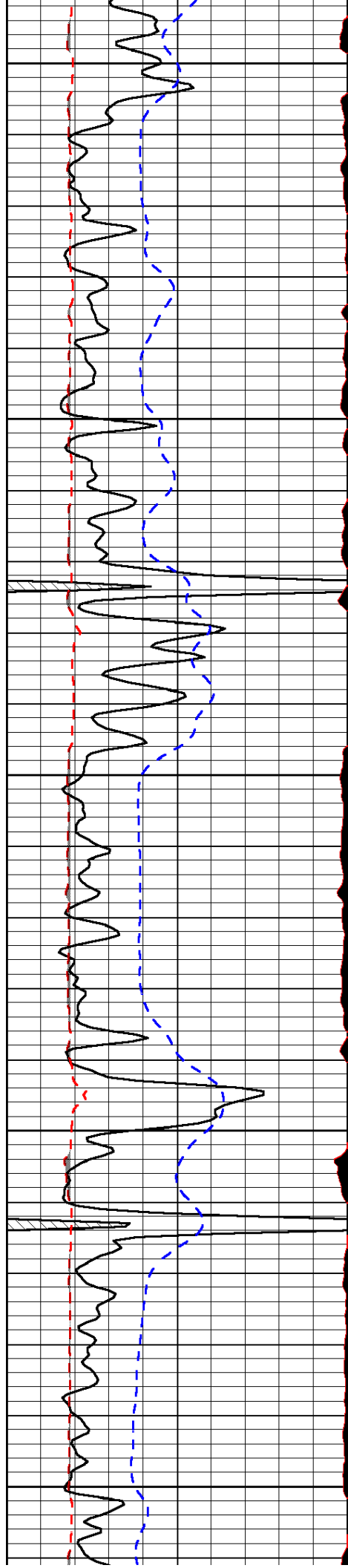


-35

-32

-33

-33



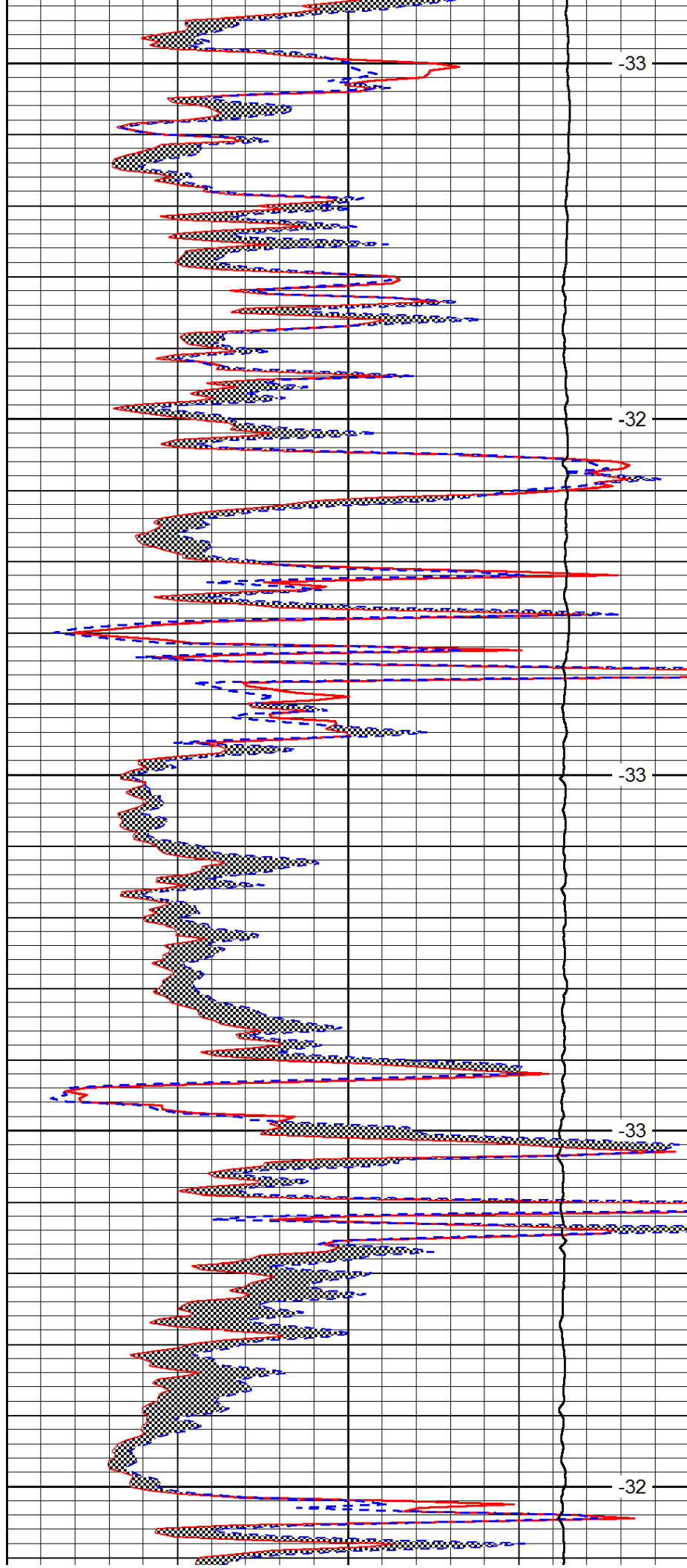
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2950

3000

3050

3100



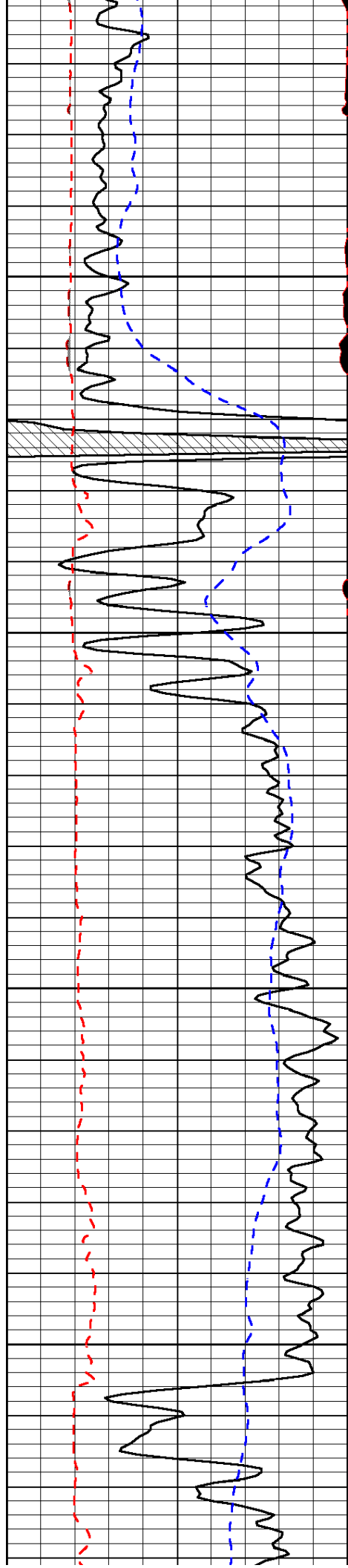
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-32

-33

-33

-32

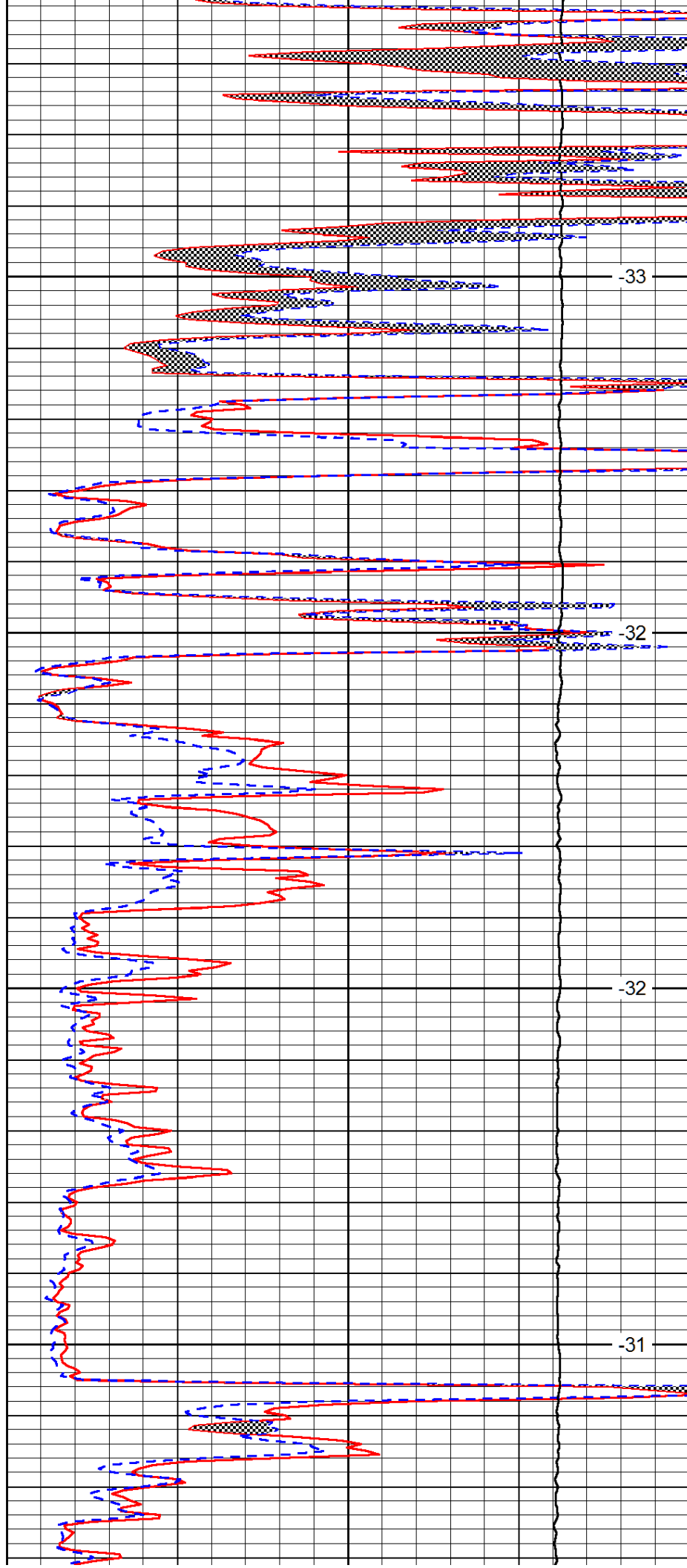


3150

3200

3250

3300

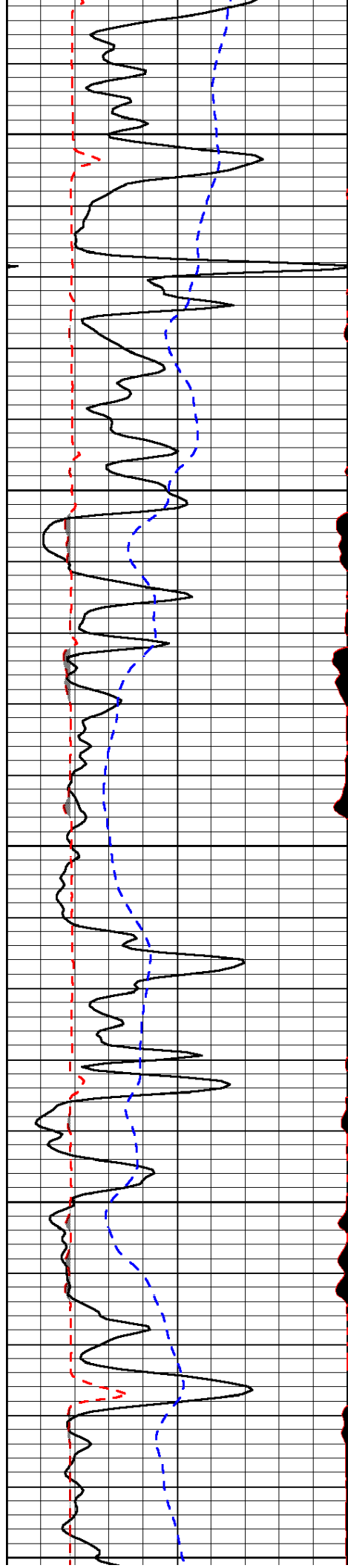


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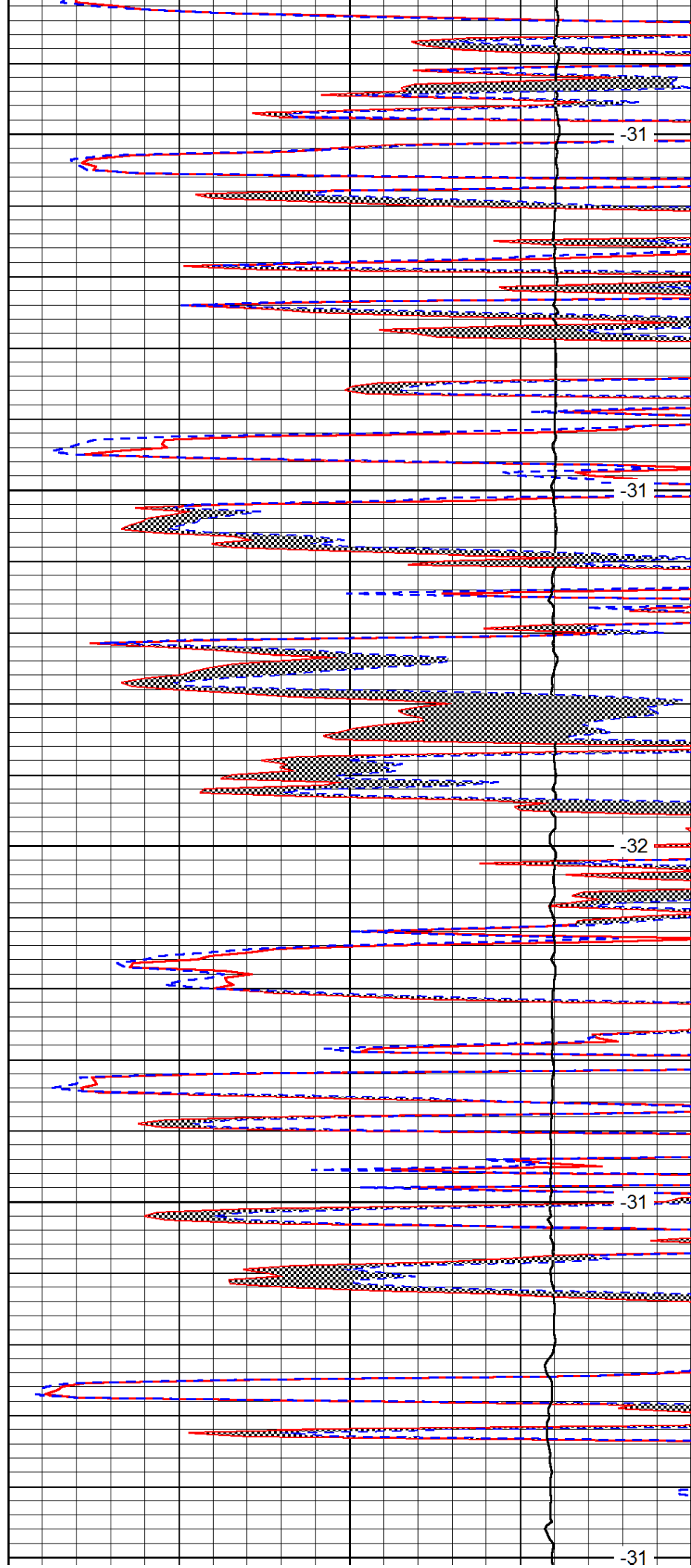
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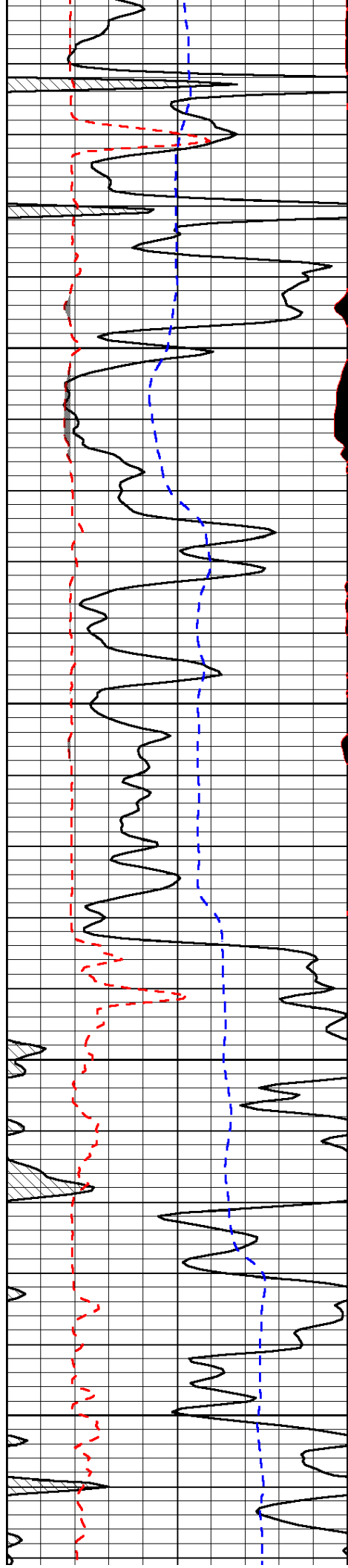
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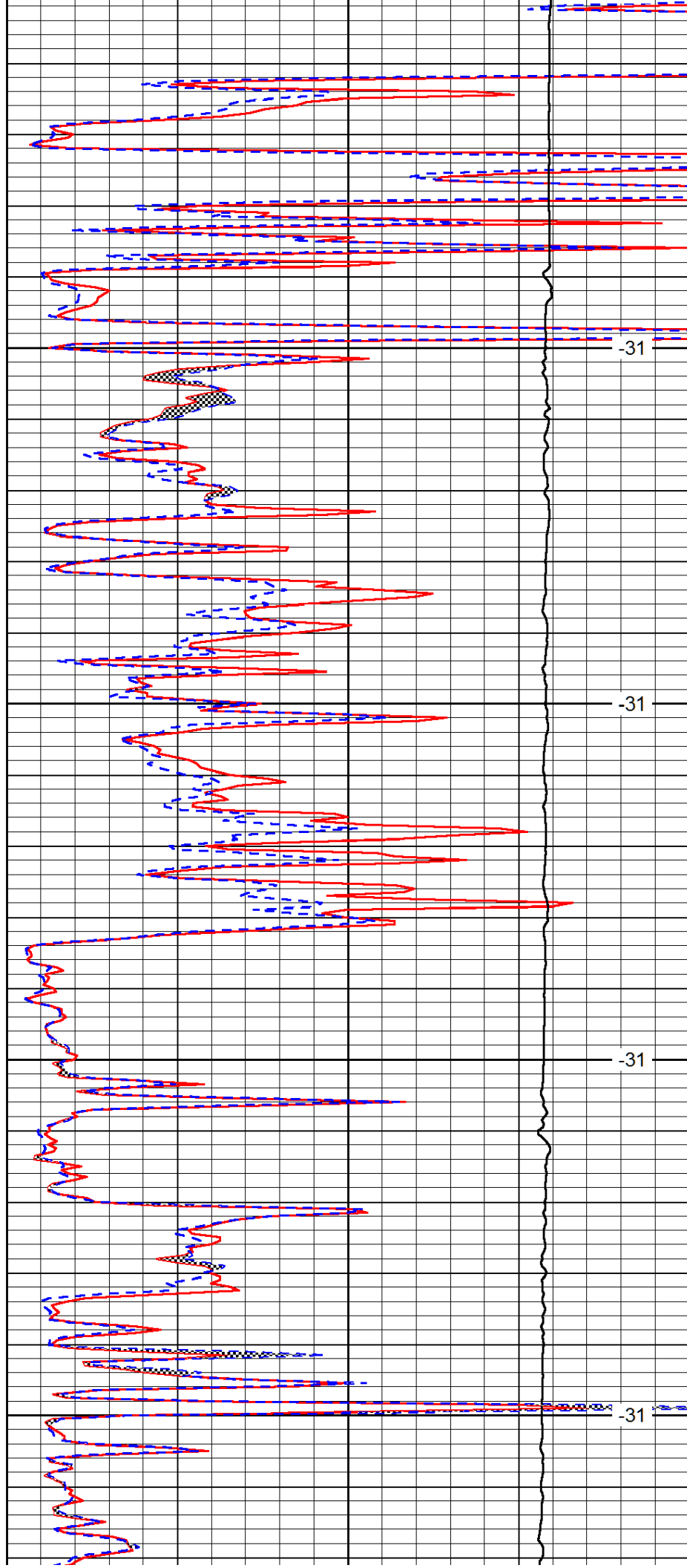


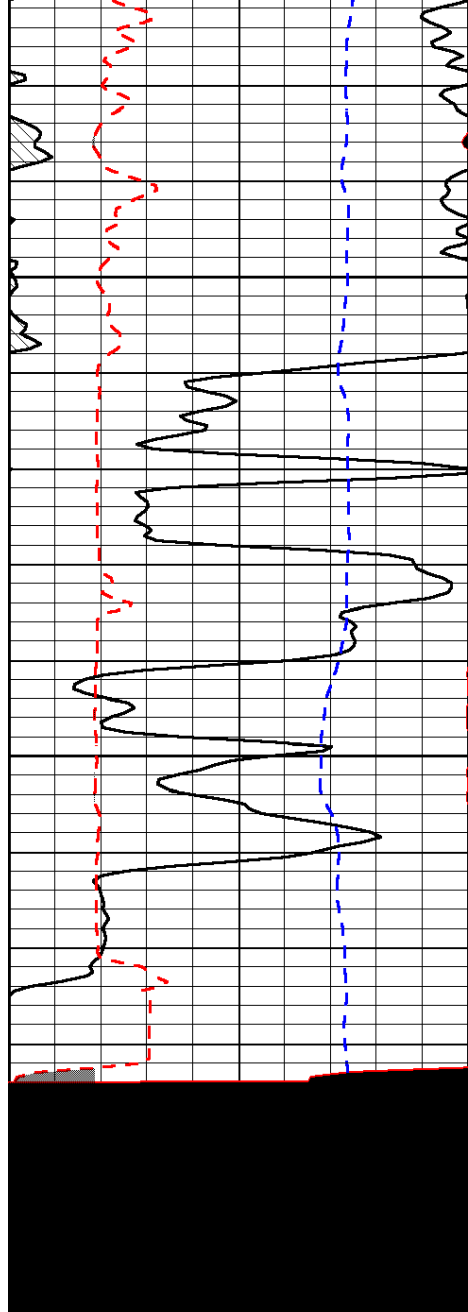
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3650

3700

3750



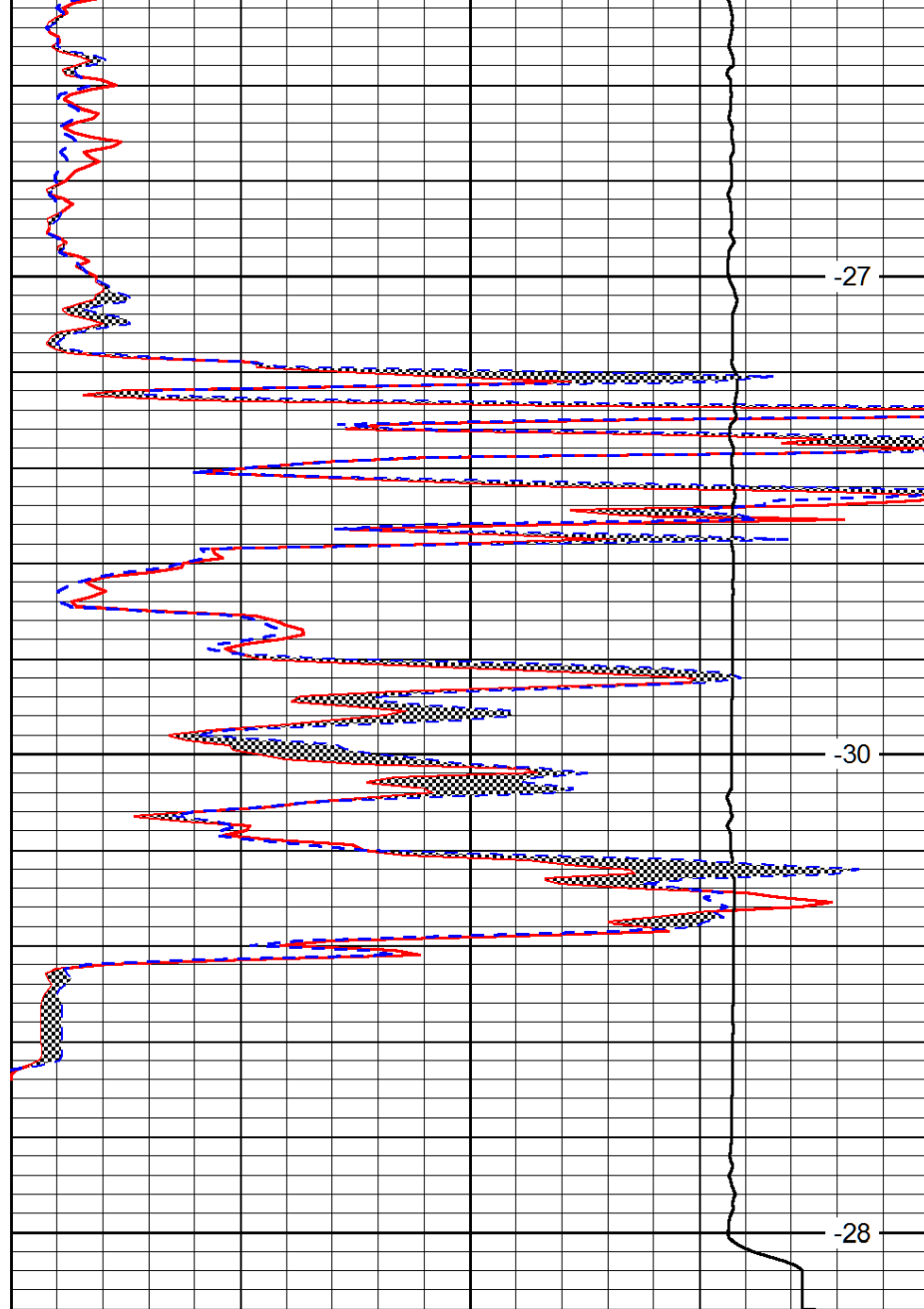


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-30

-28