



Pioneer Energy Services

Microresistivity Log

15-153-20,975-00-00

API No.

Company **Murfin Drilling Company, Inc.**

Well **Mary Ann No. 8-1**

Field **Scoda**

County **Rawlins** State

Kansas

Location **1470' FNL & 630' FWL**

Sec: **1** Twp: **1S** Rge: **36W**

Other Services
CNL/CDL
DIL/BHCS

Permanent Datum **Ground Level** Elevation **3130**

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

Elevation
K.B. 3141
D.F. 3130
G.L. 3130

Drilling Measured From **Kelly Bushing**

Date **2/2/14**

Run Number **Two**

Depth Driller **4482**

Depth Logger **4485**

Bottom Logged Interval **4484**

Top Log Interval **3400**

Casing Driller **8.625 @ 265**

Casing Logger **265**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity, ppm CL **1,000**

Density / Viscosity **8.9 | 48**

pH / Fluid Loss **11.5 | 6.0**

Source of Sample **Flowline**

Rm @ Meas. Temp **.90 @ 52**

Rmf @ Meas. Temp **.68 @ 52**

Rmc @ Meas. Temp **1.22 @ 52**

Source of Rmf / Rmc **Charts**

Rm @ BHT **.39 @ 121**

Operating Rig Time **5 Hours**

Max Rec. Temp. F **121**

Equipment Number **15**

Location **Hays**

Recorded By **J. Hennickson**

Witnessed By **Wes Hansen**

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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

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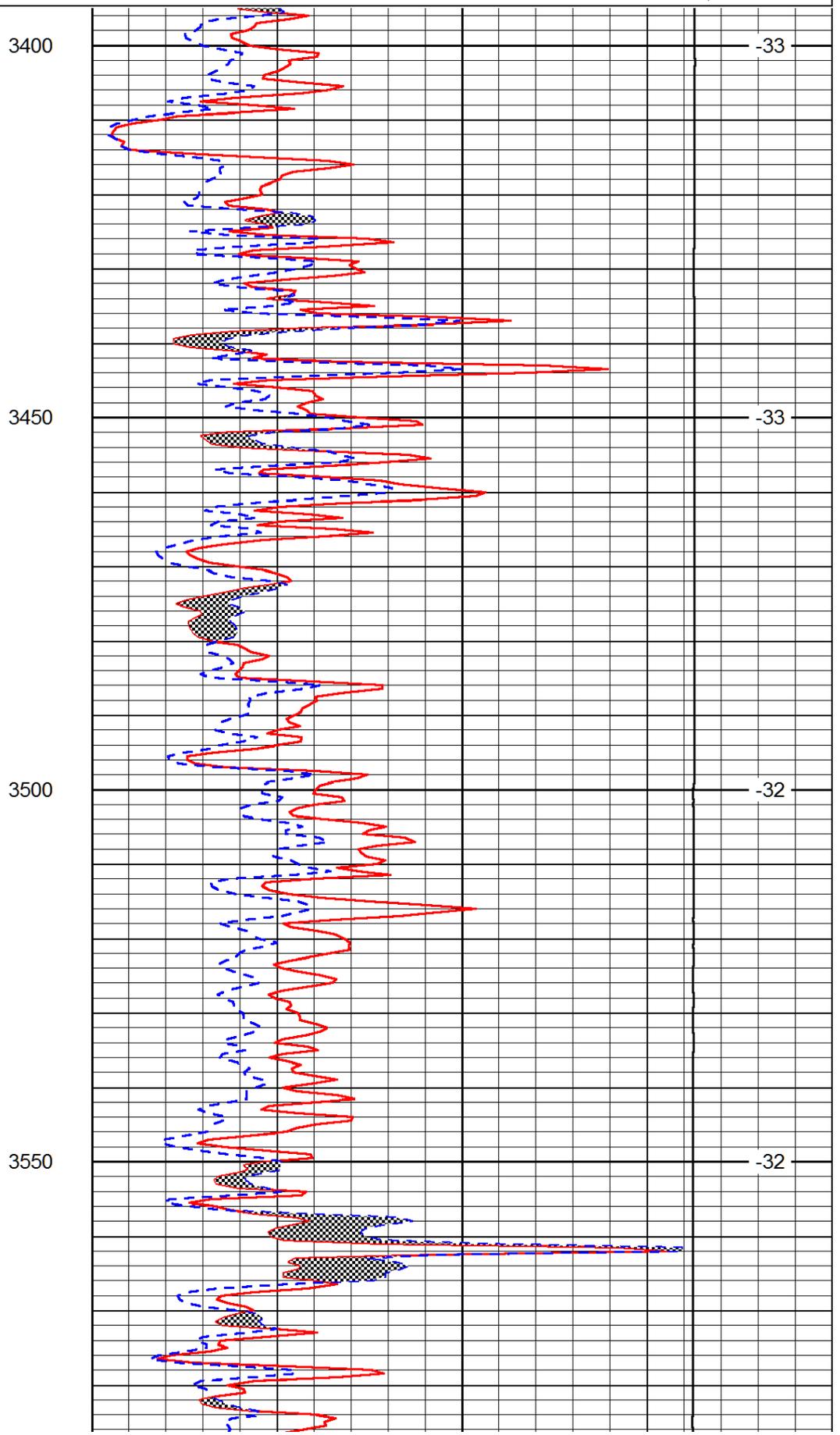
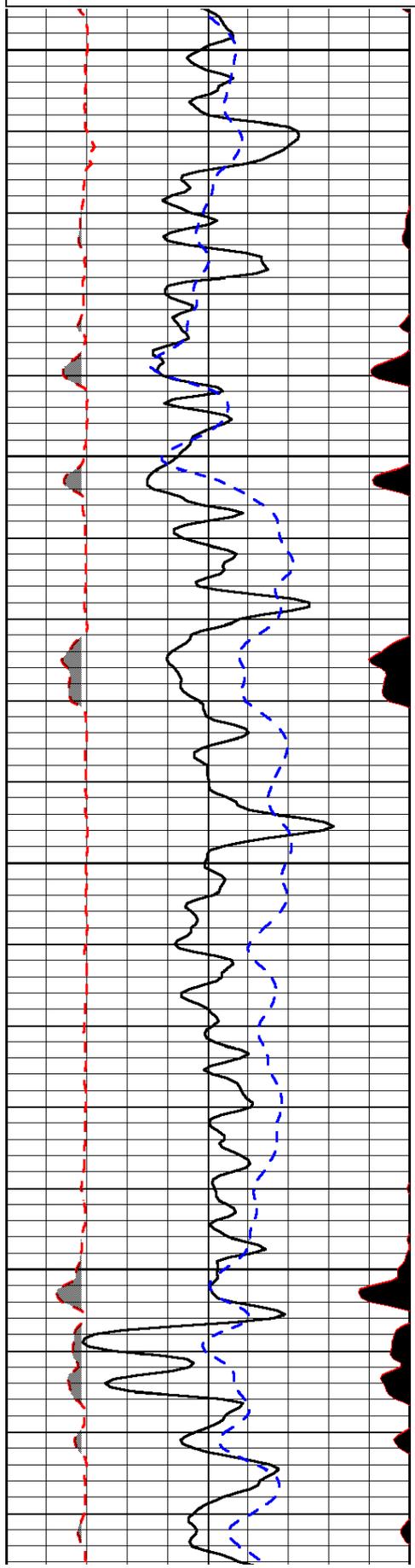
Beardsley Kansas
North to AA Rd, West to 7 Rd, 3 North, West Into
(Follow Lease Rd West all the Way to the Rig through curves)

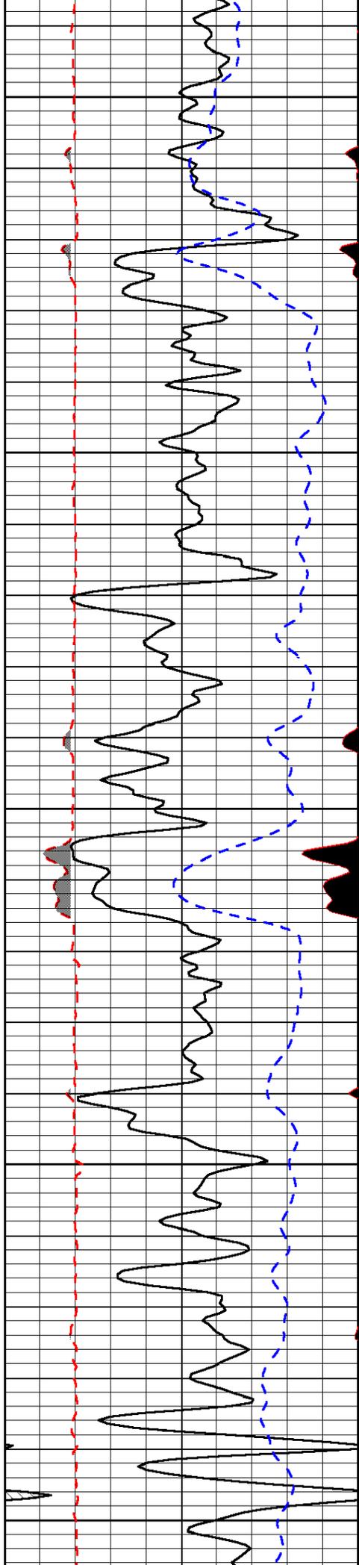
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Dataset Pathname: DIL/murfstk
Presentation Format: micro
Dataset Creation: Mon Feb 03 01:10:53 2014
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0

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

LSPD
(ft/min)





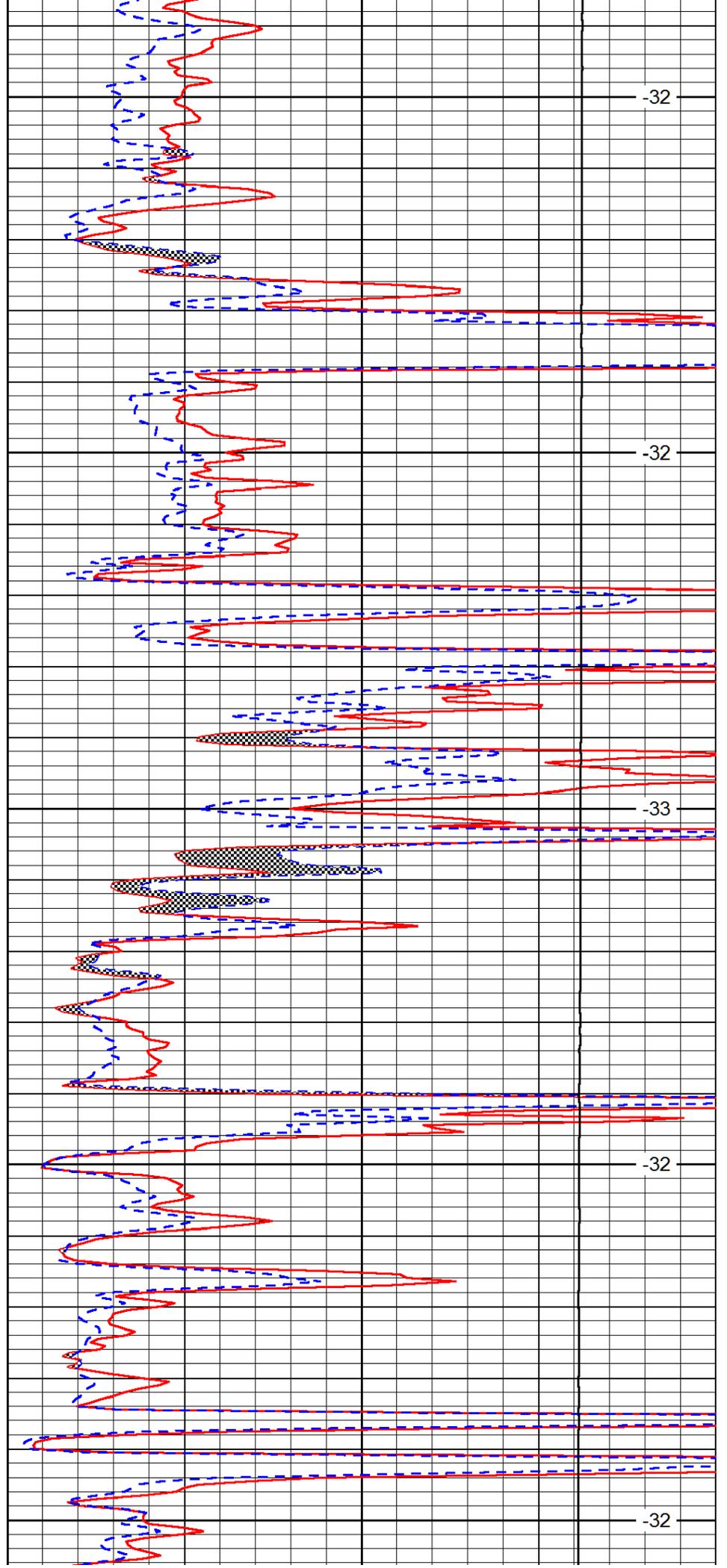
3600

3650

3700

3750

3800



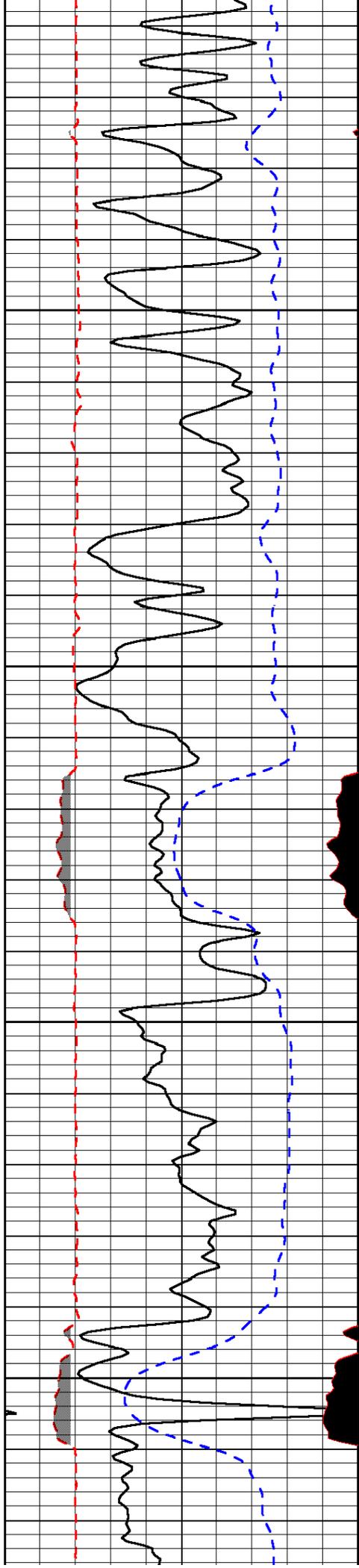
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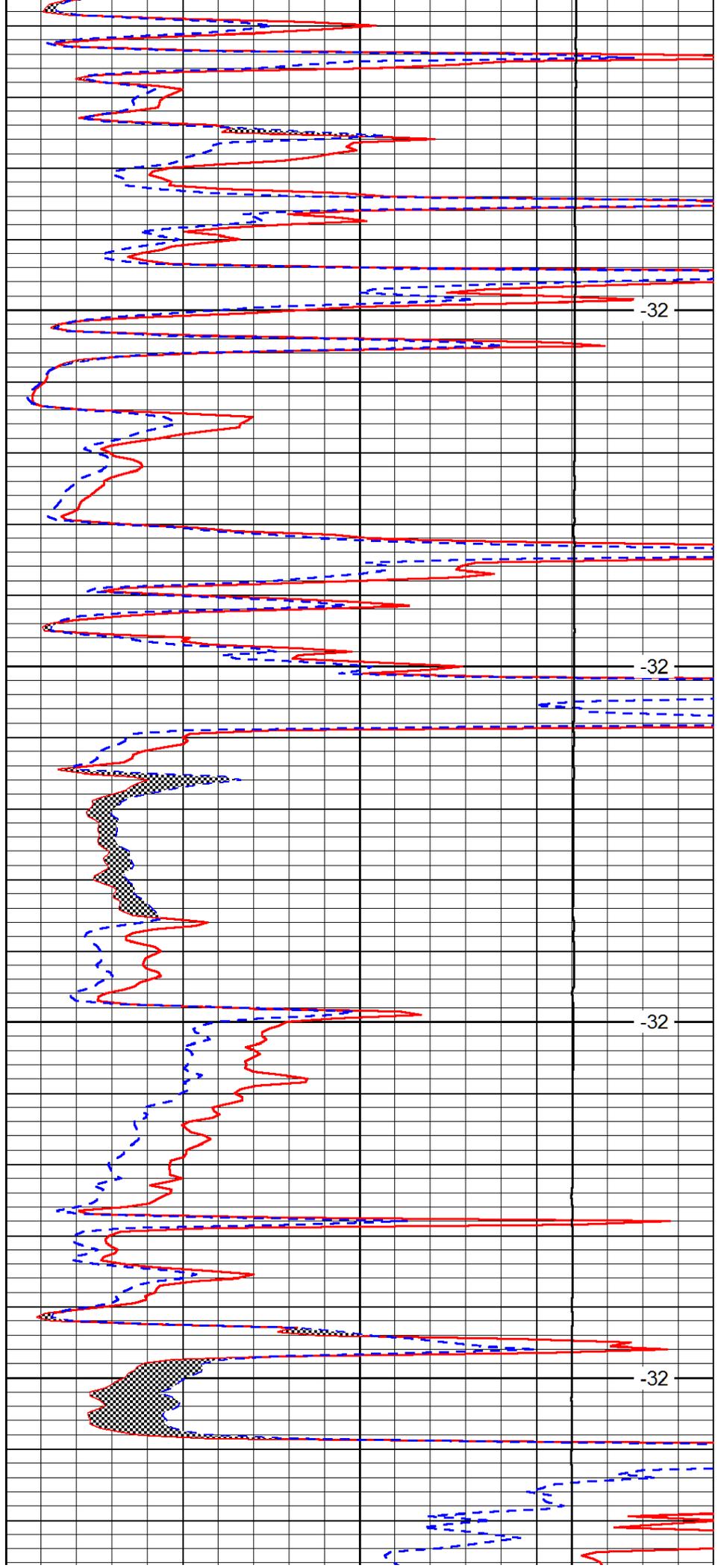


3850

3900

3950

4000

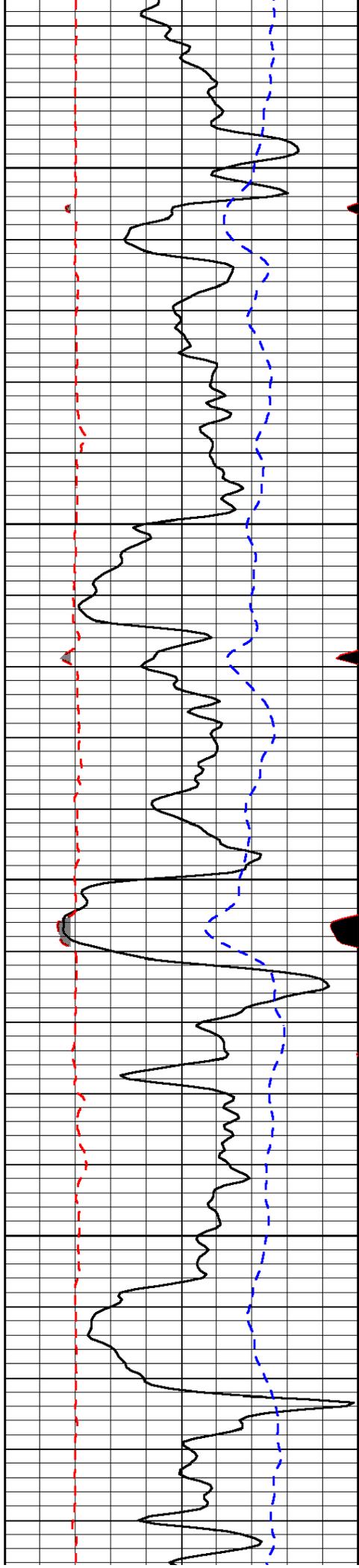


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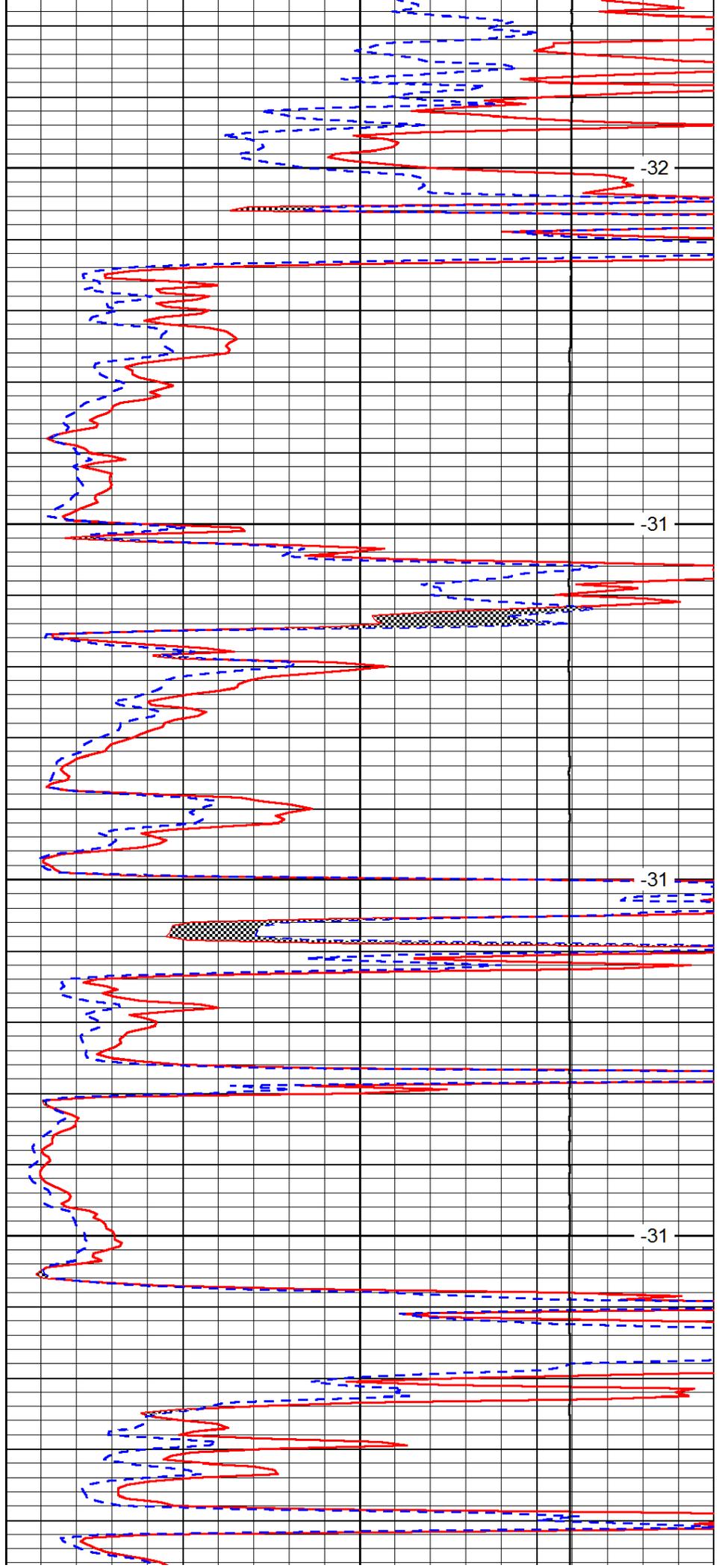


4050

4100

4150

4200

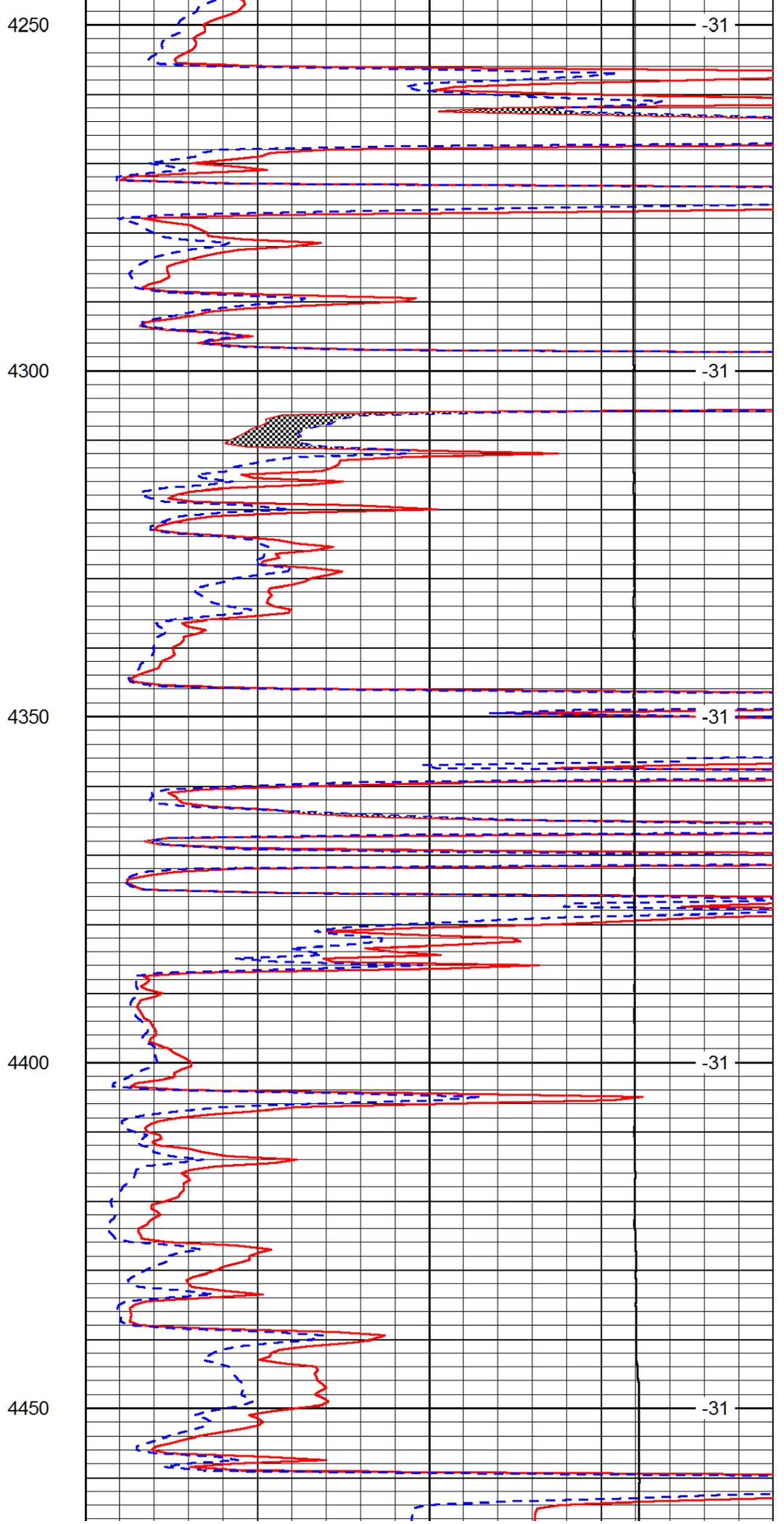
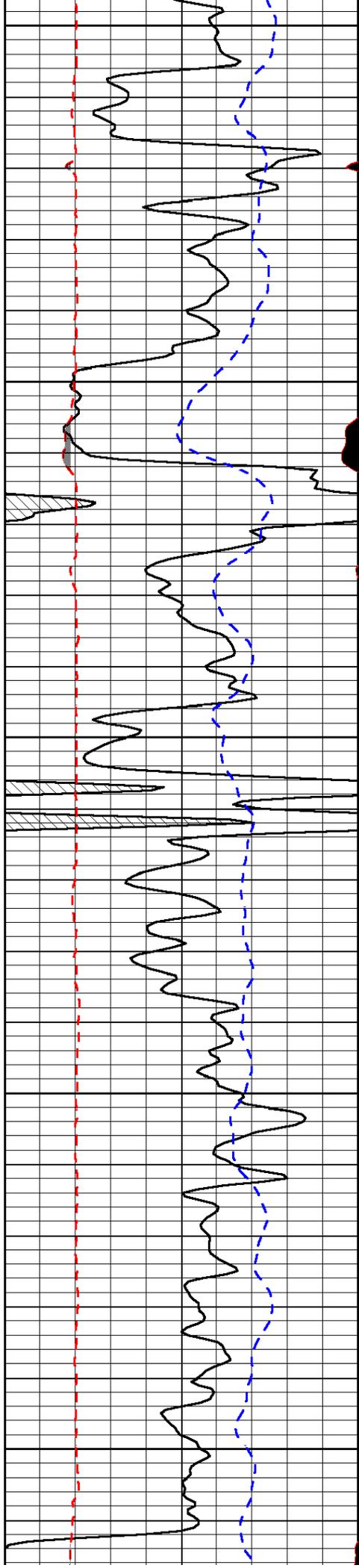


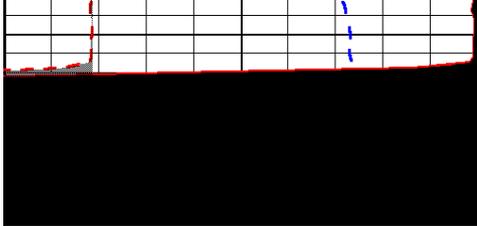
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