

LOG-TECH



Microresistivity Log

DIGITAL LOG

(785) 625-3858

15-051-25,949-00-00

Company Murfin Drilling Co., Inc.

Well Orth Unit No. 1-4

Field Alwerth

County Ellis

State

Kansas

Location

2190' FSL & 1400' FWL

Sec: 4

Twp: 14 S

Rge: 19 W

Permanent Datum Ground Level

Elevation 2261

Log Measured From Kelly Bushing

5 Ft. Above Perm. Datum

K.B. 2266
D.F. 2261
G.L. 2261

Other Services
CNL/CDL
DIL/BHCS

Date

1/28/2010

Run Number

Two

Depth Driller

4020

Depth Logger

4021

Bottom Logged Interval

4020

Top Log Interval

3100

Casing Driller

8.625 @ 219

Casing Logger

218

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

8,300

Density / Viscosity

9.0 50

pH / Fluid Loss

10.5 6.8

Source of Sample

Flowline

Rm @ Meas. Temp

.95 @ 50

Rmf @ Meas. Temp

.71 @ 50

Rmc @ Meas. Temp

1.28 @ 50

Source of Rmf / Rmc

Charts

Rm @ BHT

.40 @ 118

Operating Rig Time

5 Hours

Max Rec. Temp. F

118

Equipment Number

4

Location

Hays

Recorded By

K. Bange

Witnessed By

Tim Priest

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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

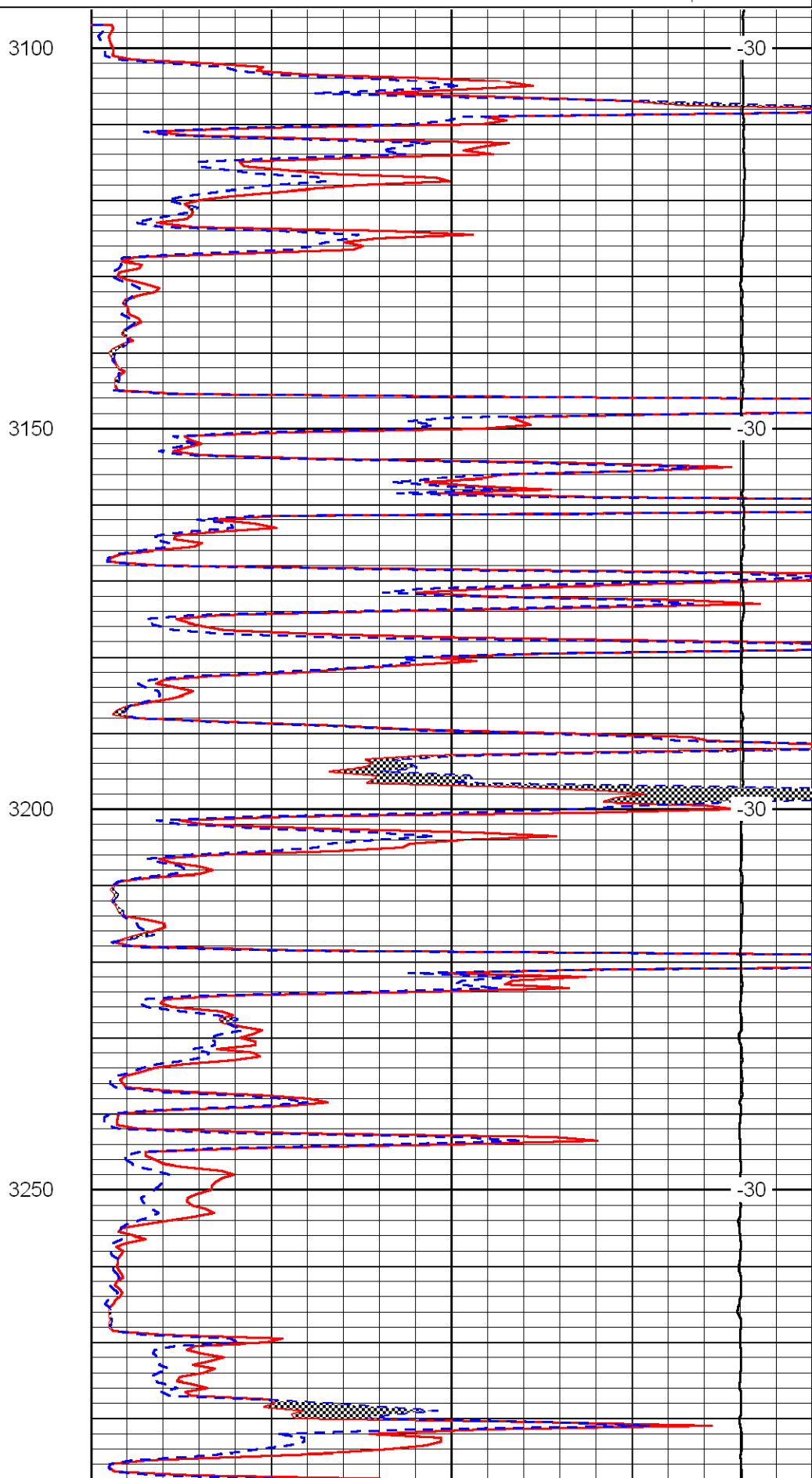
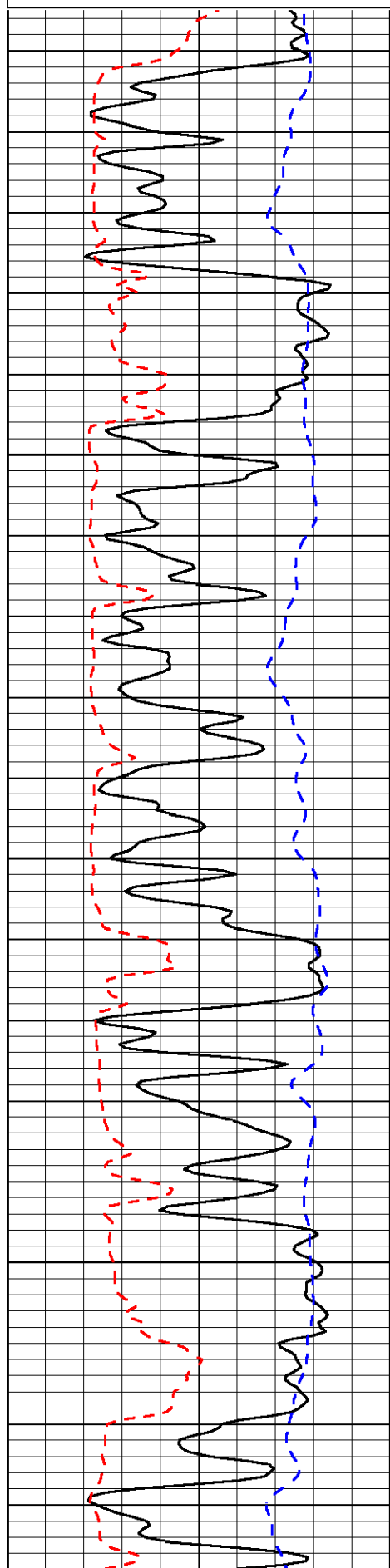
Hays, 183 Bypass to Golf Course rd, W on Golf Course to 180th rd, N 1/2, E into

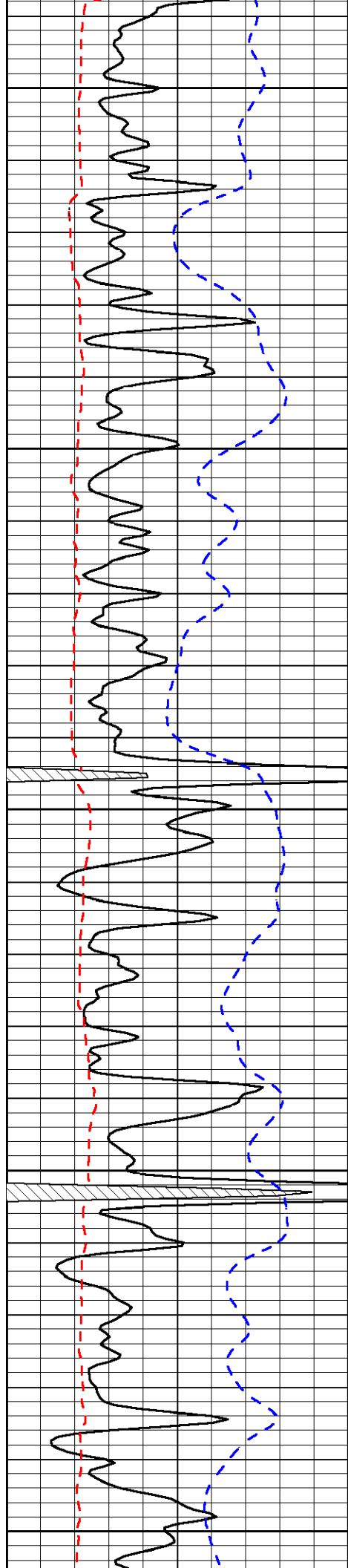
Database File: c:\warrior\data\murfin_orth unit no. 1-4\murfhd.db
Dataset Pathname: dil\murf2in
Presentation Format: micro
Dataset Creation: Thu Jan 28 12:23:26 2010
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Micro Log Caliper (in)	16
-200	SP (MV)	0

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
15000	Line Weight (lb)	0

LSPD
(ft/min)





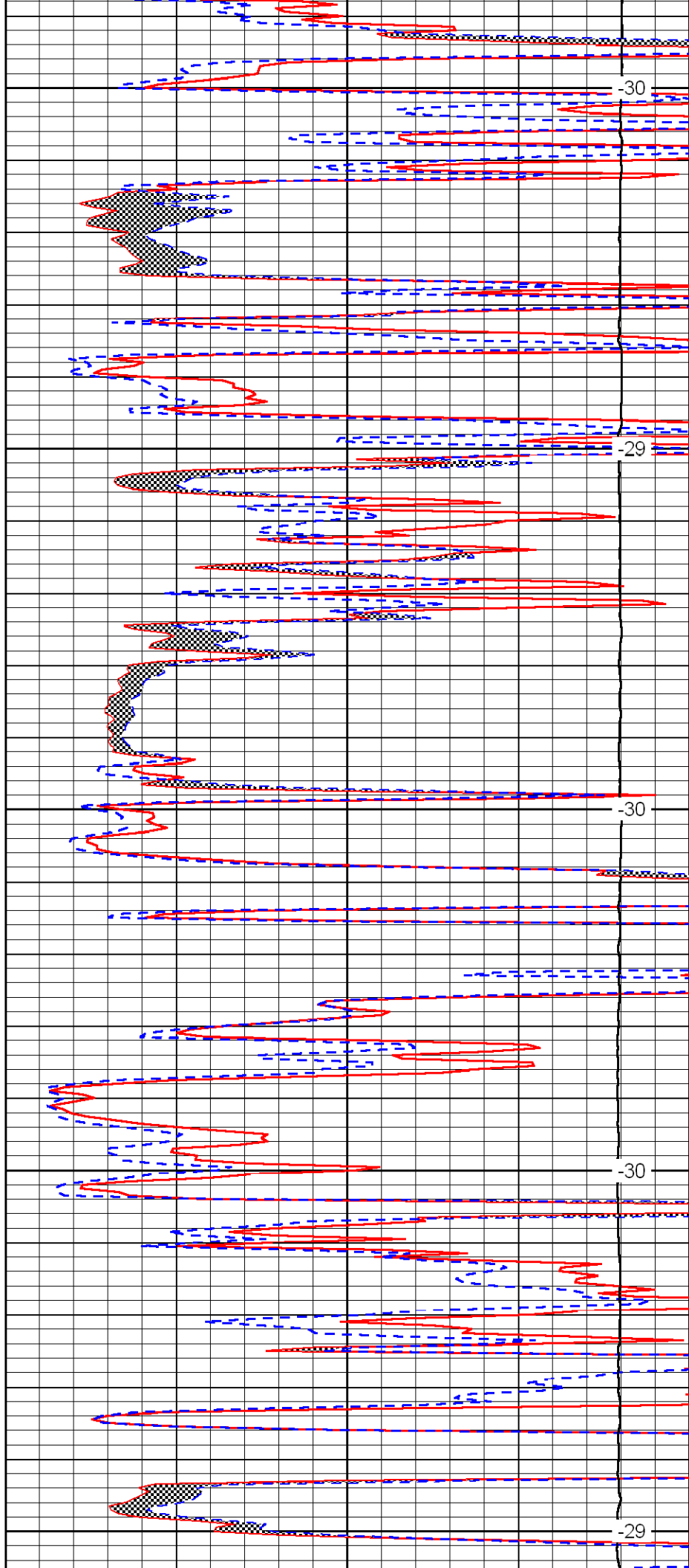
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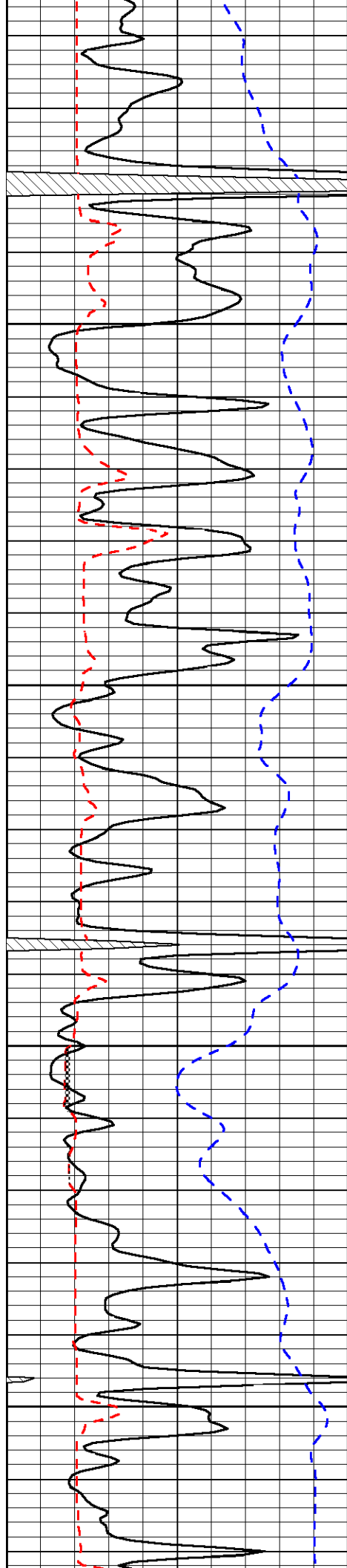
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3400

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3500



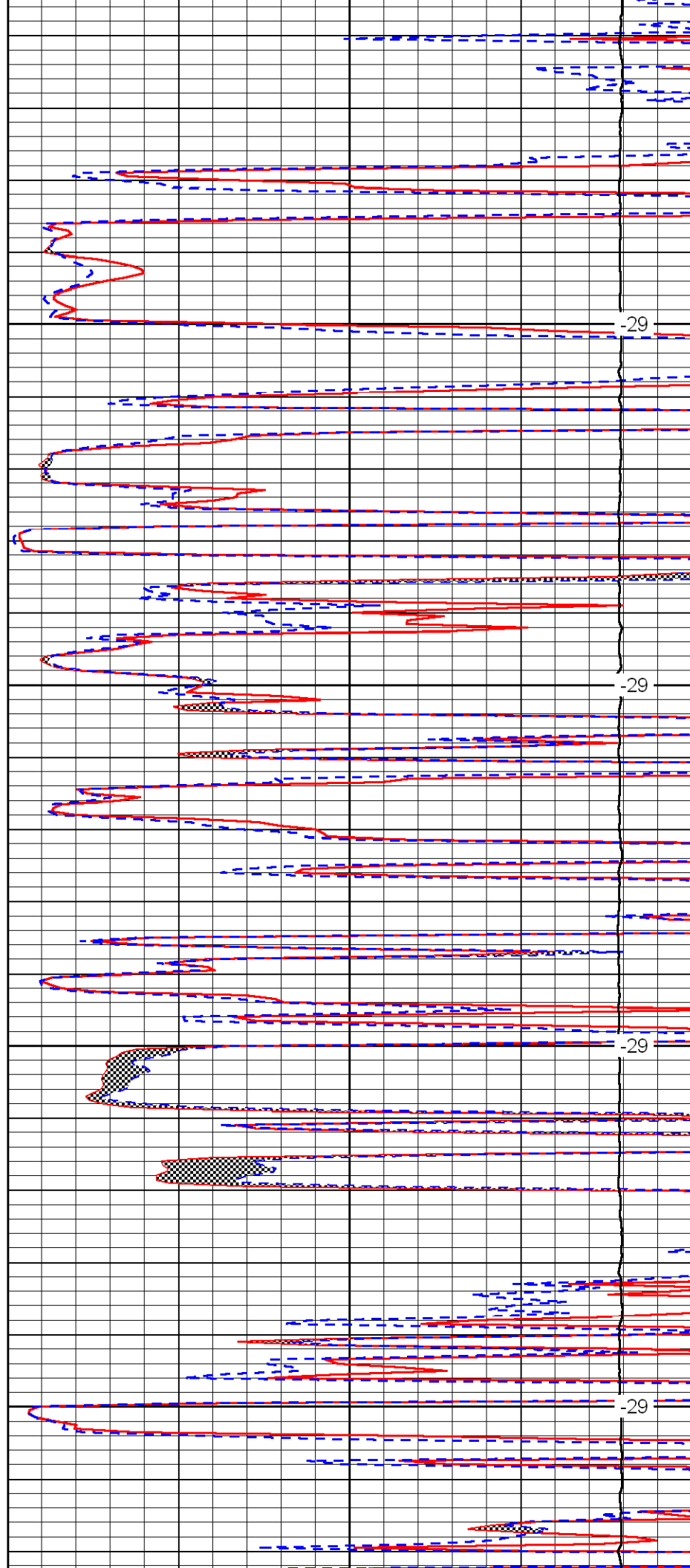


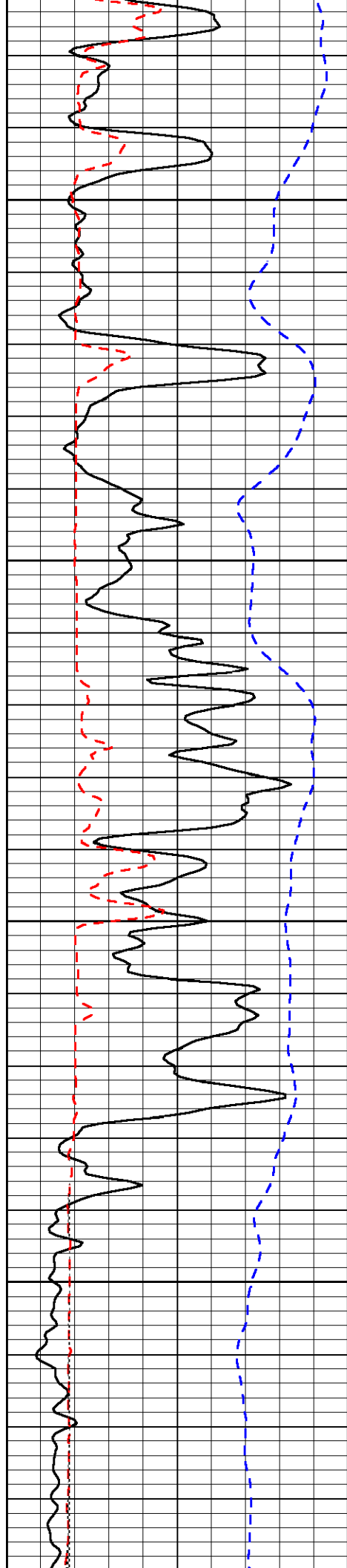
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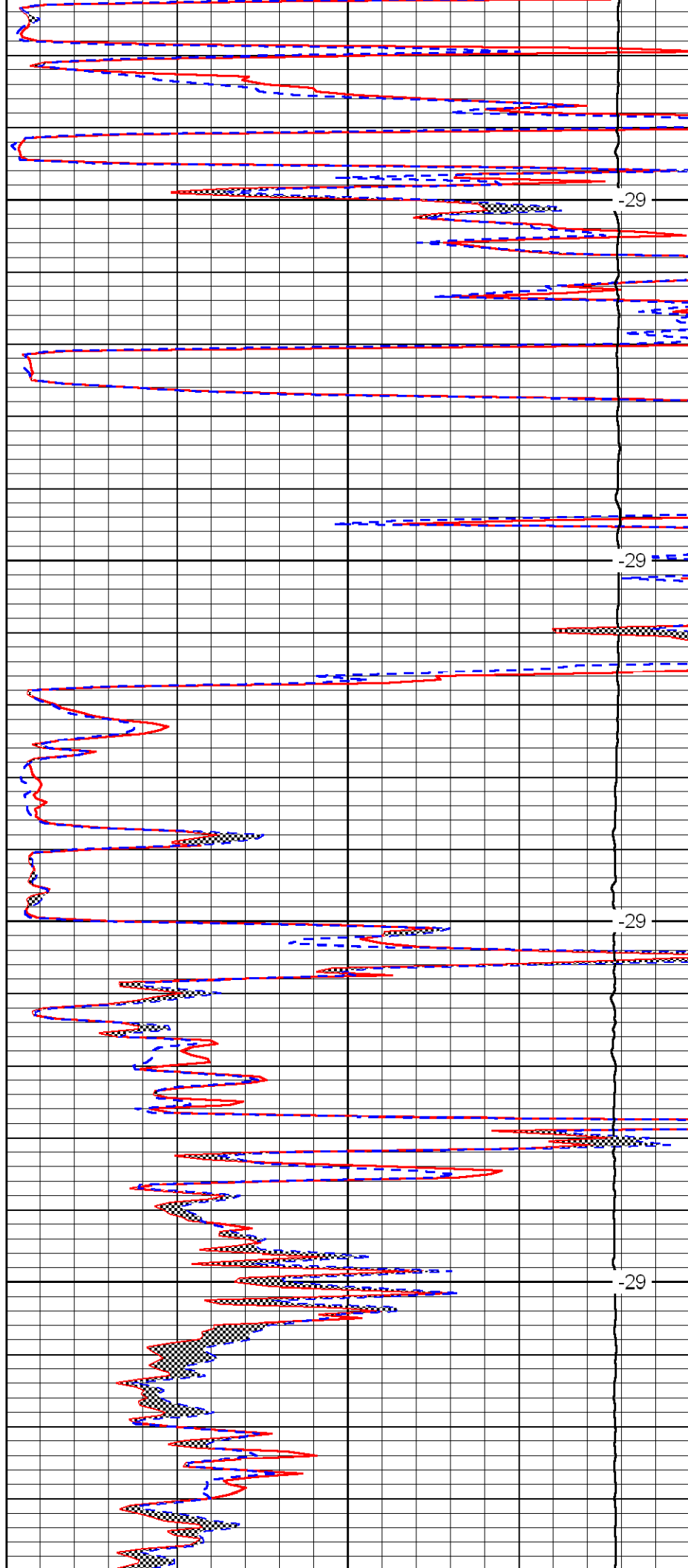


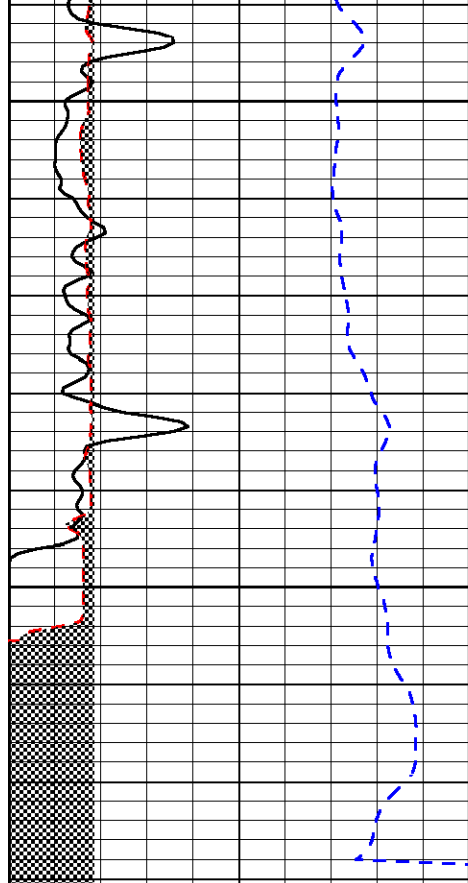
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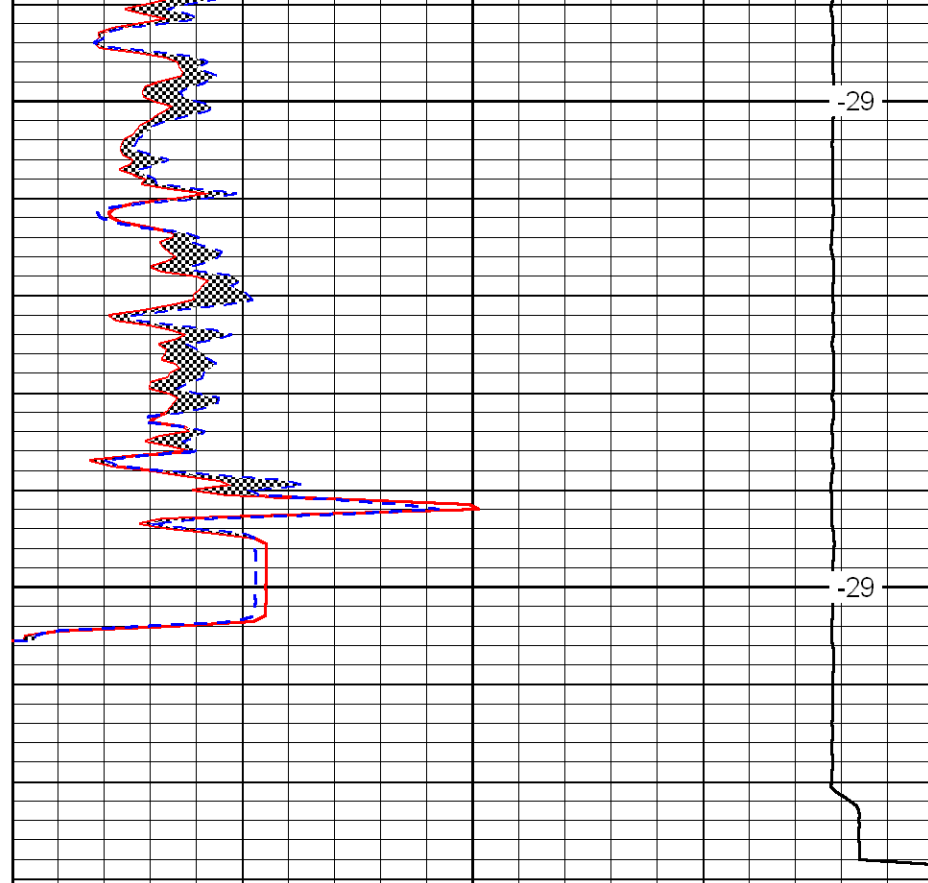




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