



Microresistivity Log

DIGITAL LOG (785) 625-3858

15-101-22,306-00-00

Company Credo Petroleum Corporation

Well Sandra No 1-3

Field Lohoff South

County Lane State Kansas

Location 990' FNL & 2100' FEL

Sec: 3 Twp: 17 S Rge: 29 W

Other Services
CNL/CDL
DIL/BHCS

Permament Datum Ground Level Elevation 2803

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

Dilling Measured From Kelly Bushing K.B. 2808
D.F. 2803
G.L. 2803

Date 9/2/2011

Run Number Two

Depth Driller 4650

Depth Logger 4651

Bottom Logged Interval 4650

Top Log Interval 3500

Casing Driller 8.625 @ 260

Casing Logger 261

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 2500

Density / Viscosity 9.5 59

pH / Fluid Loss 10.0 8.0

Source of Sample Flowline

Rm @ Meas. Temp .78 @ 88

Rmf @ Meas. Temp .59 @ 88

Rmc @ Meas. Temp 1.05 @ 88

Source of Rmf / Rmc Charts

Rm @ BHT .56 @ 123

Operating Rig Time 5 1/2 Hours

Max Rec. Temp. F 123

Equipment Number 17

Location Hays

Recorded By D.Kerr

Witnessed By Bruce Ard

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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.

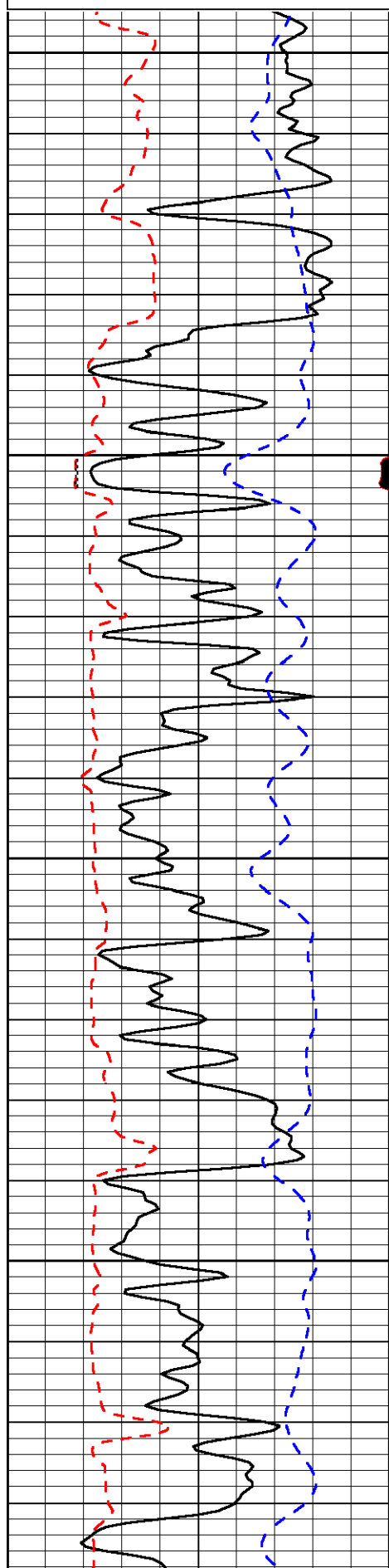
Comments

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

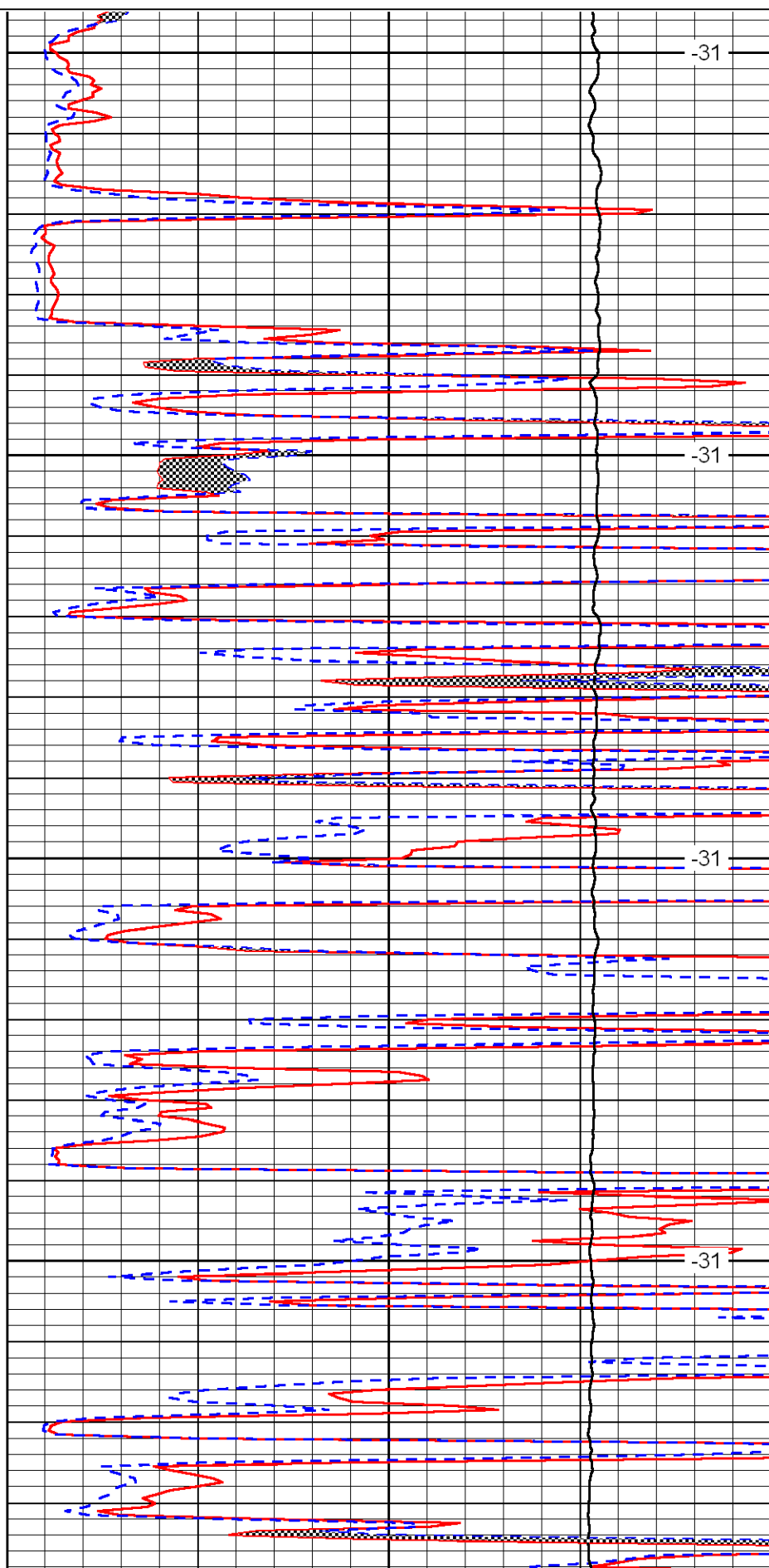
Shields KS, West to K 4 and K 23,
2 West, North Into

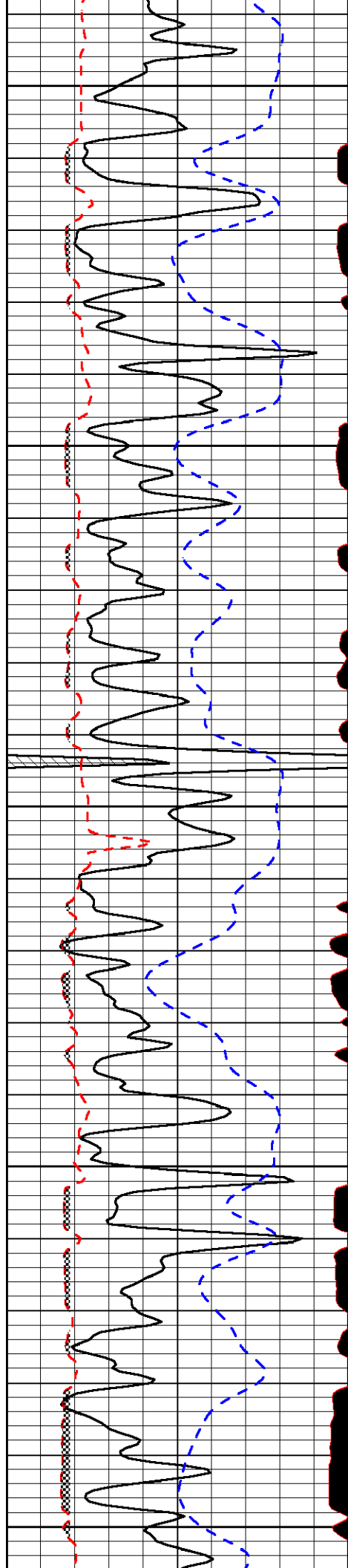
Database File: credo_sandra_1_3hd.db
Dataset Pathname: dil/credstk
Presentation Format: micro
Dataset Creation: Fri Sep 02 20:26:03 2011
Charted by: Depth in Feet scaled 1:240

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



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





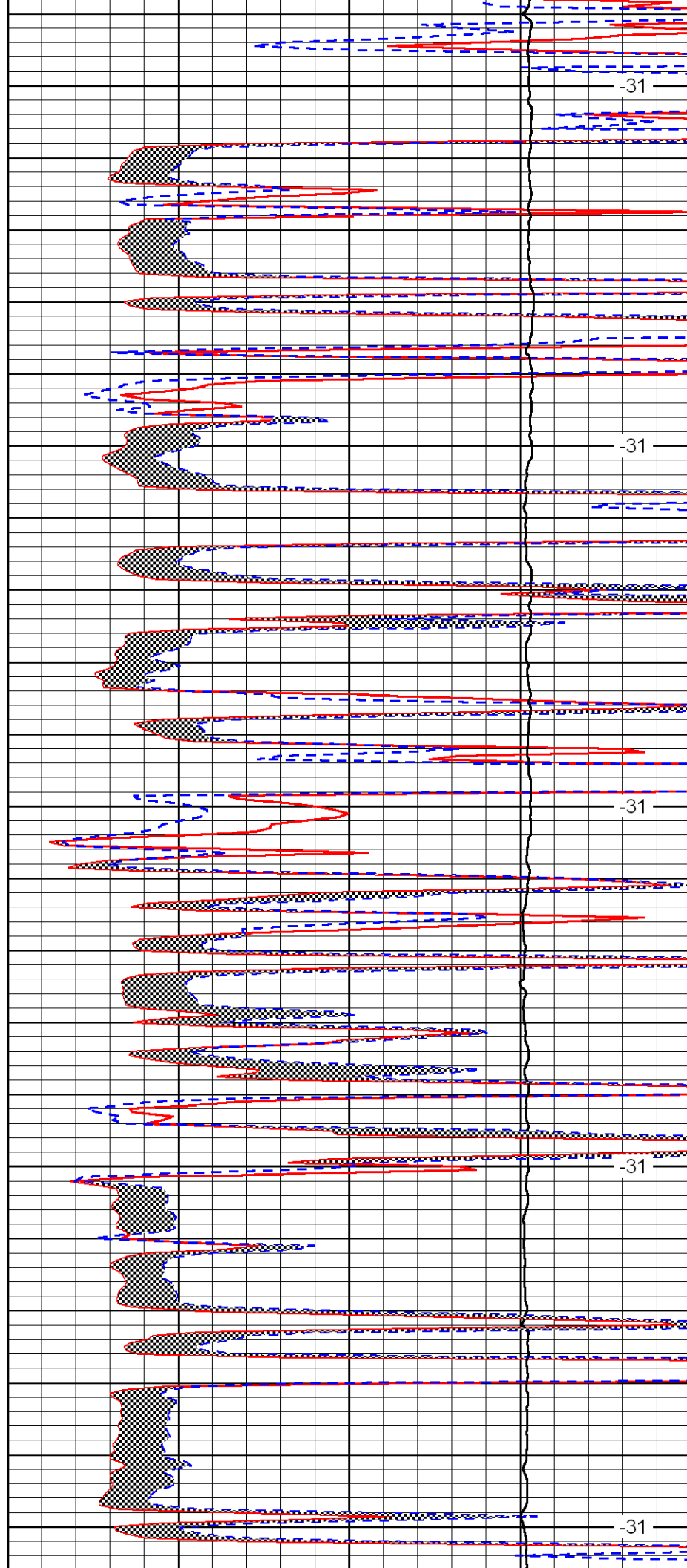
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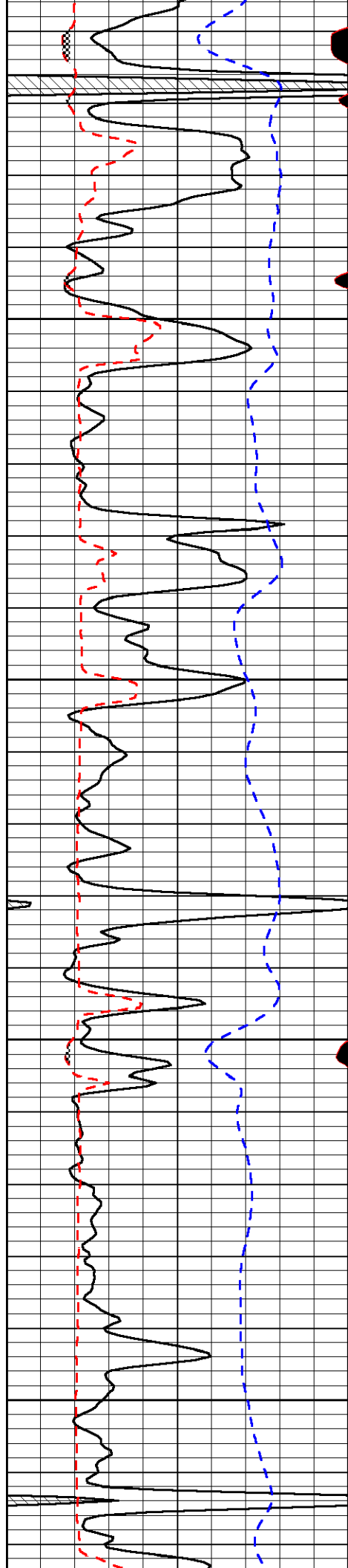
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3800

3850

3900



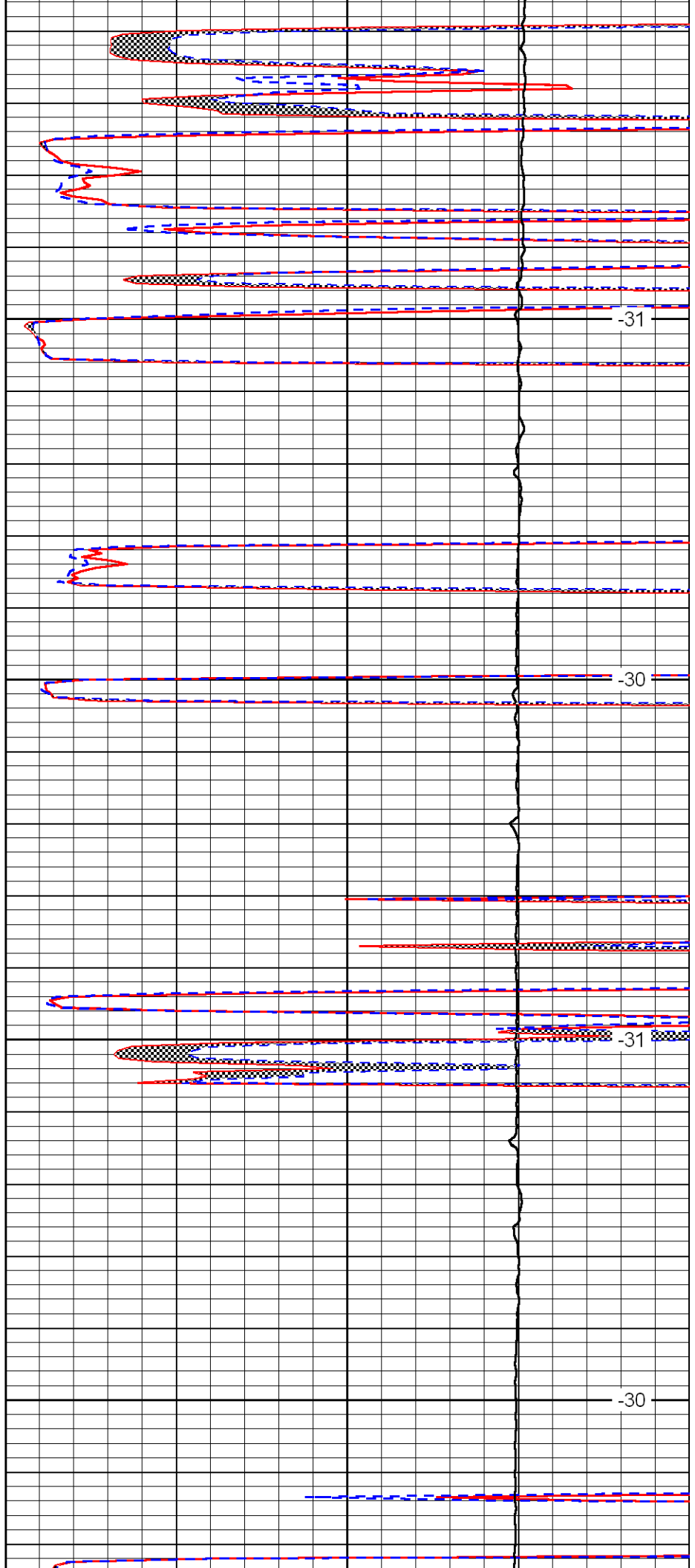


3950

4000

4050

4100

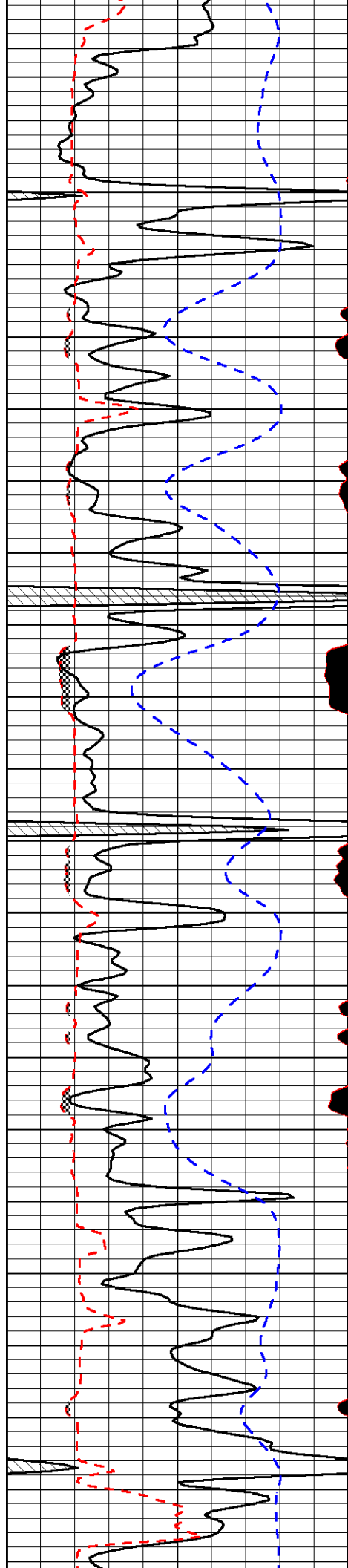


-31

-30

-31

-30

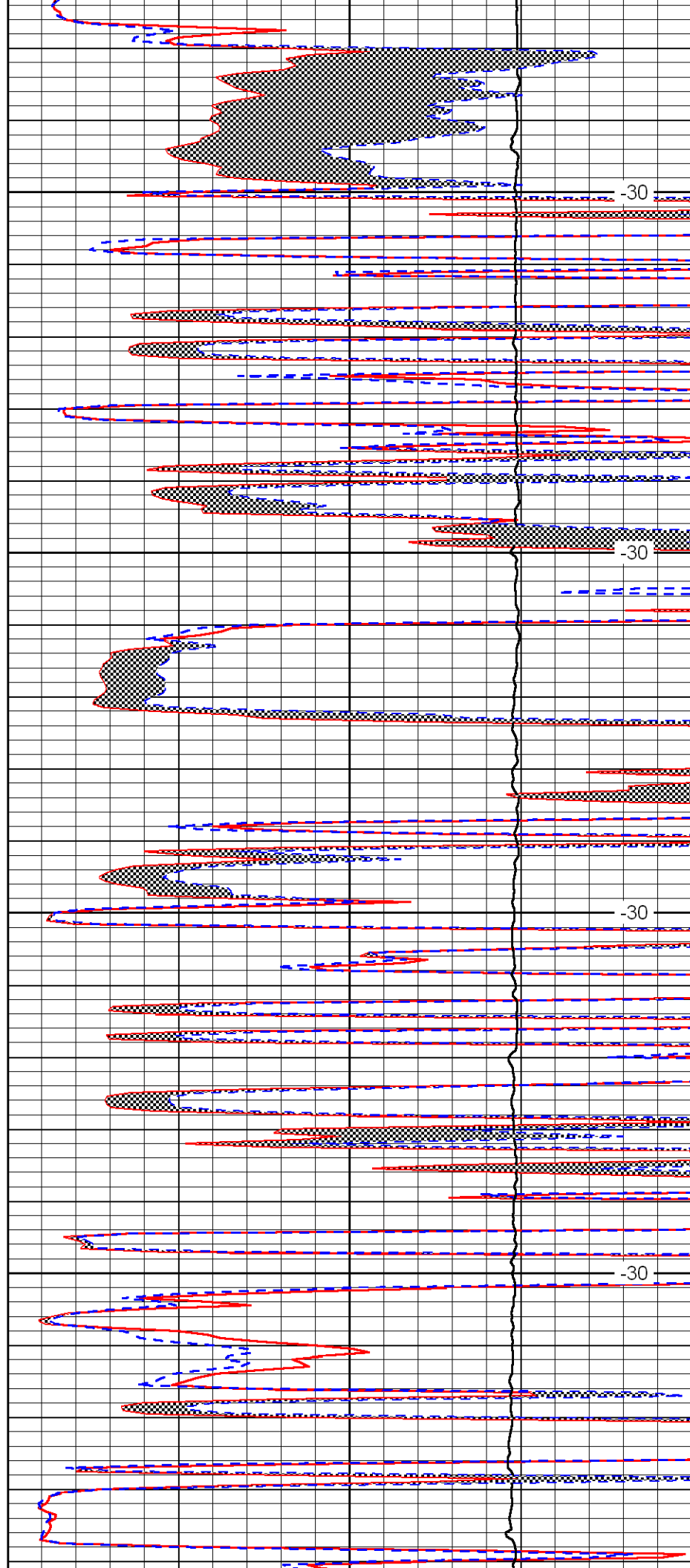


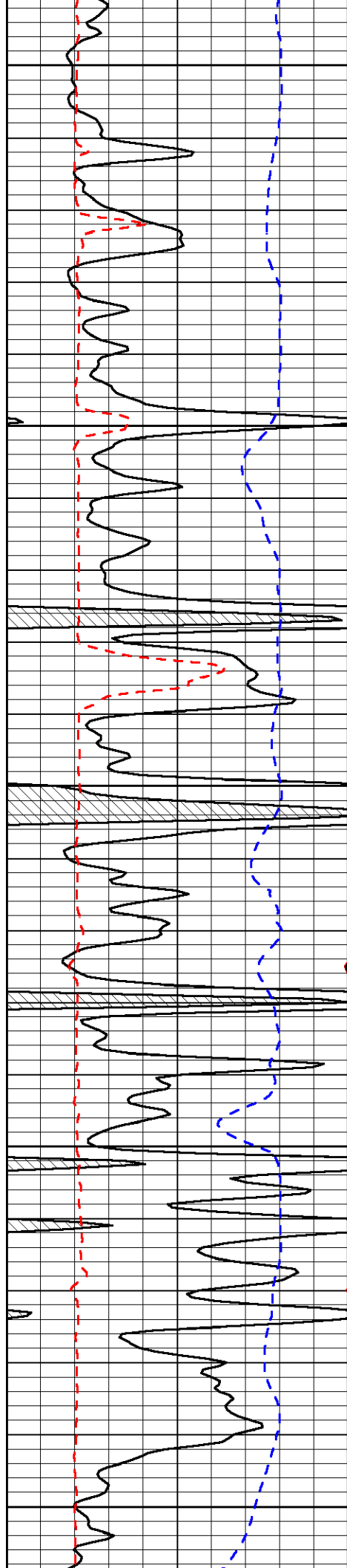
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4200

4250

4300





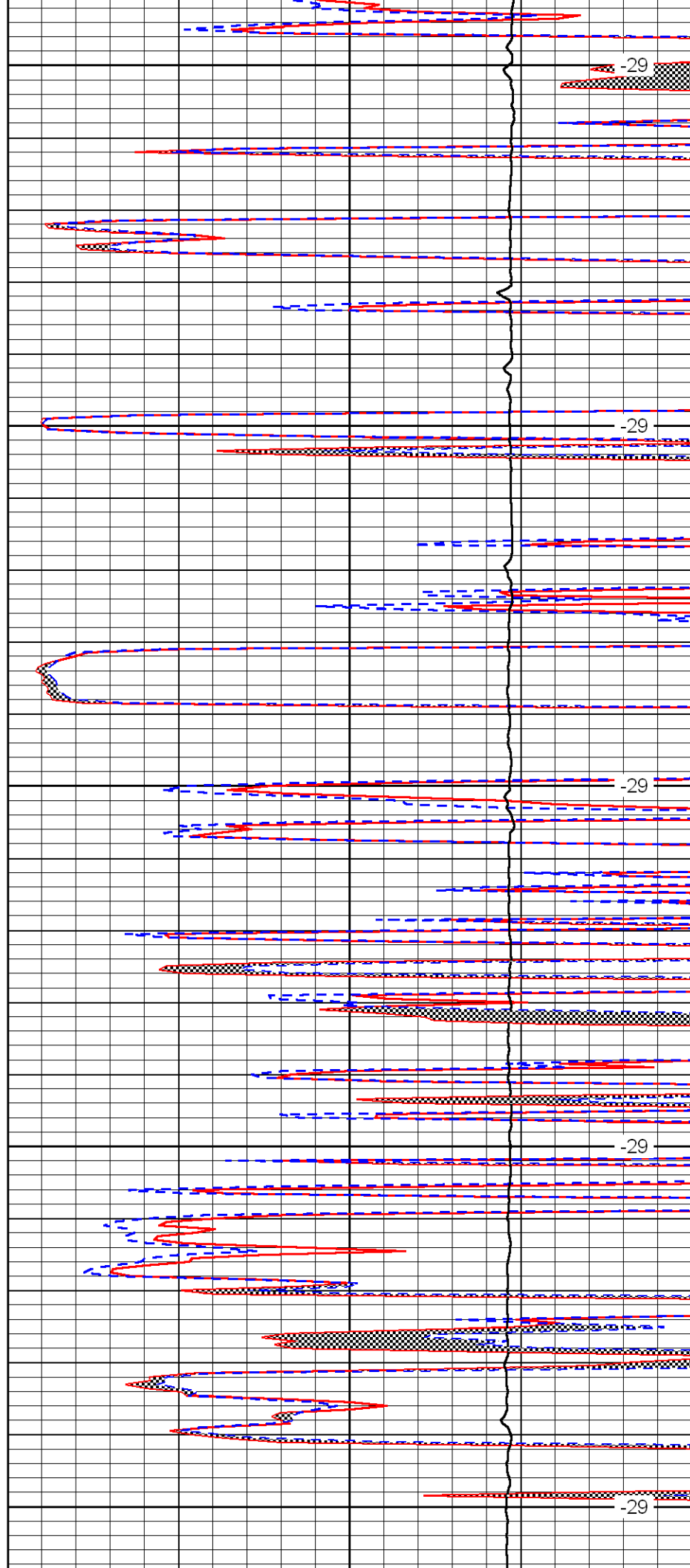
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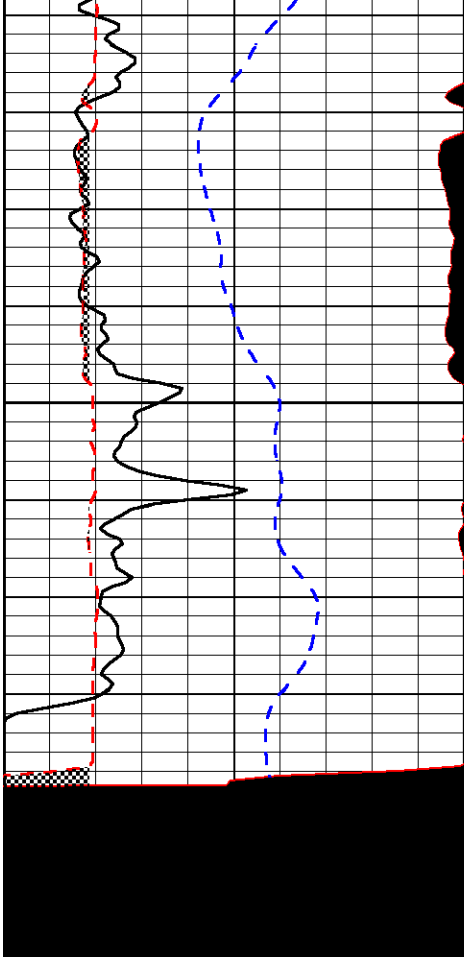
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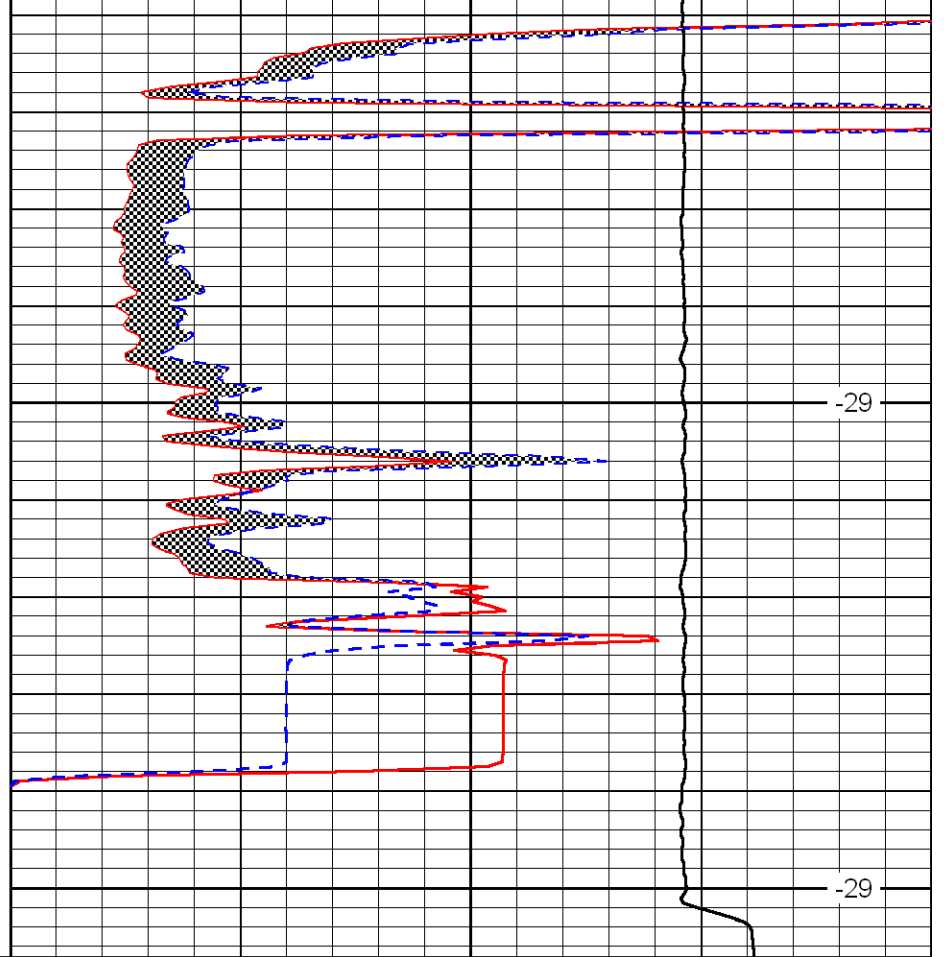




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LSPD