



Microresistivity Log

Pioneer Energy Services

API No.

15-199-20,416-00-00

Company Cholla Production, LLC

Well Blaesi #3-3

Field Ladder Creek Northwest

County Wallace State Kansas

Location

NE NE NE
330' FNL & 330' FEL

Sec: 3 Twp: 15S Rge: 41W

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation
K.B. 3782
D.F.
G.L. 3777

Date 9/4/2014

Run Number Two

Depth Driller 5150

Depth Logger 5150

Bottom Logged Interval 5149

Top Log Interval 2800

Casing Driller 8.625 @ 389

Casing Logger 387

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 4000

Density / Viscosity 9.3 48

pH / Fluid Loss 9.0 8.8

Source of Sample Flowline

Rm @ Meas. Temp 0.41 @ 80

Rmf @ Meas. Temp 0.31 @ 80

Rmc @ Meas. Temp 0.55 @ 80

Source of Rmf / Rmc Charts

Rm @ BHT 0.26 @ 128

Operating Rig Time 4 1/2 Hours

Max Rec. Temp. F 128

Equipment Number 15

Location Hays

Recorded By D. Kerr

Witnessed By Randy Say

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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.

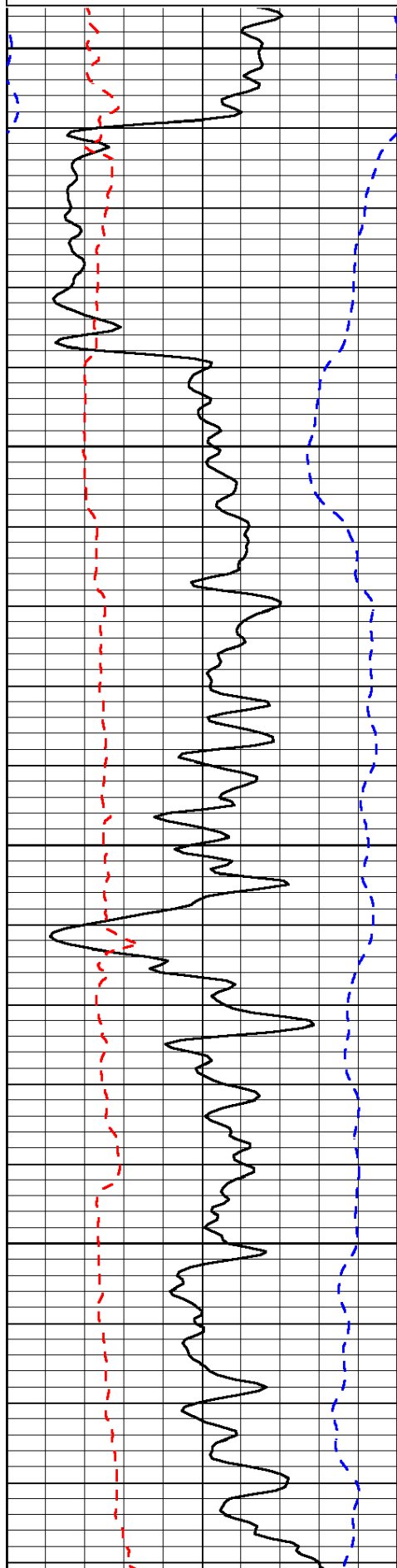
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Sharon Springs KS, 7 South to Gooseberry RD,
6 West, South and West Into

Database File: c:\warrior\data\cholla_blaesi #3-3\cholla_blaesi_1_3hd.db
Dataset Pathname: DIL\cholstk
Presentation Format: micro
Dataset Creation: Thu Sep 04 06:01:02 2014
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:2.15		
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

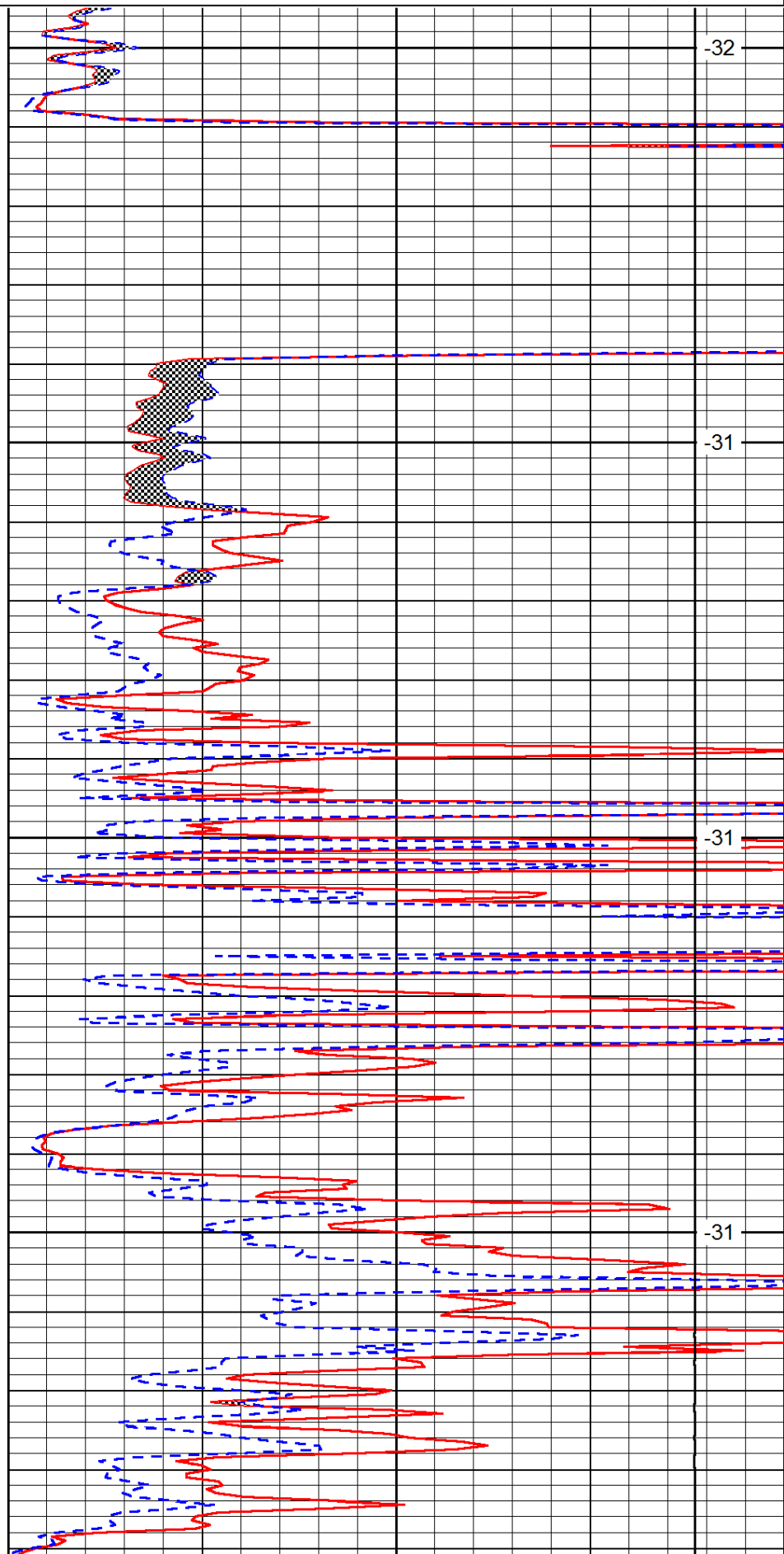


2800

2850

2900

2950

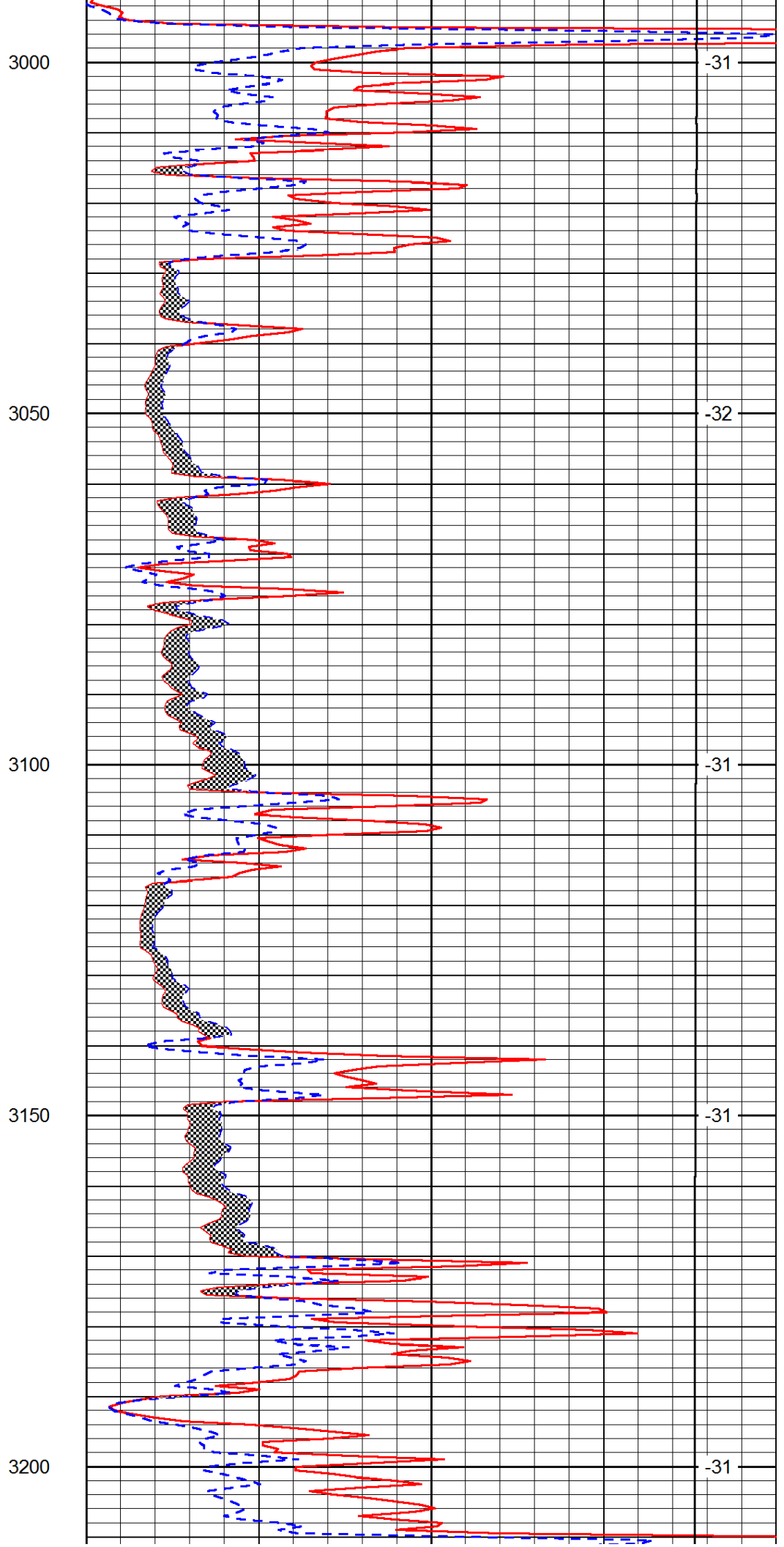
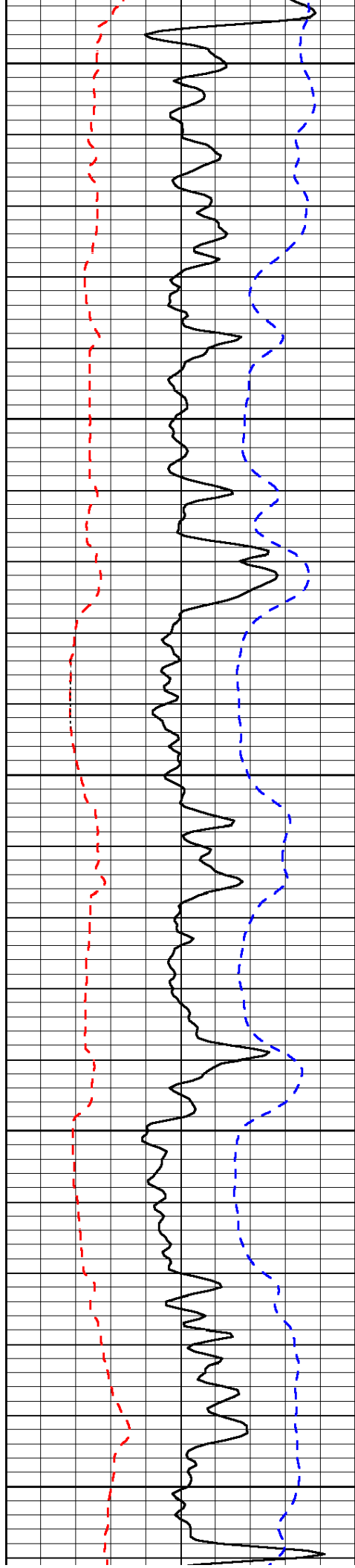


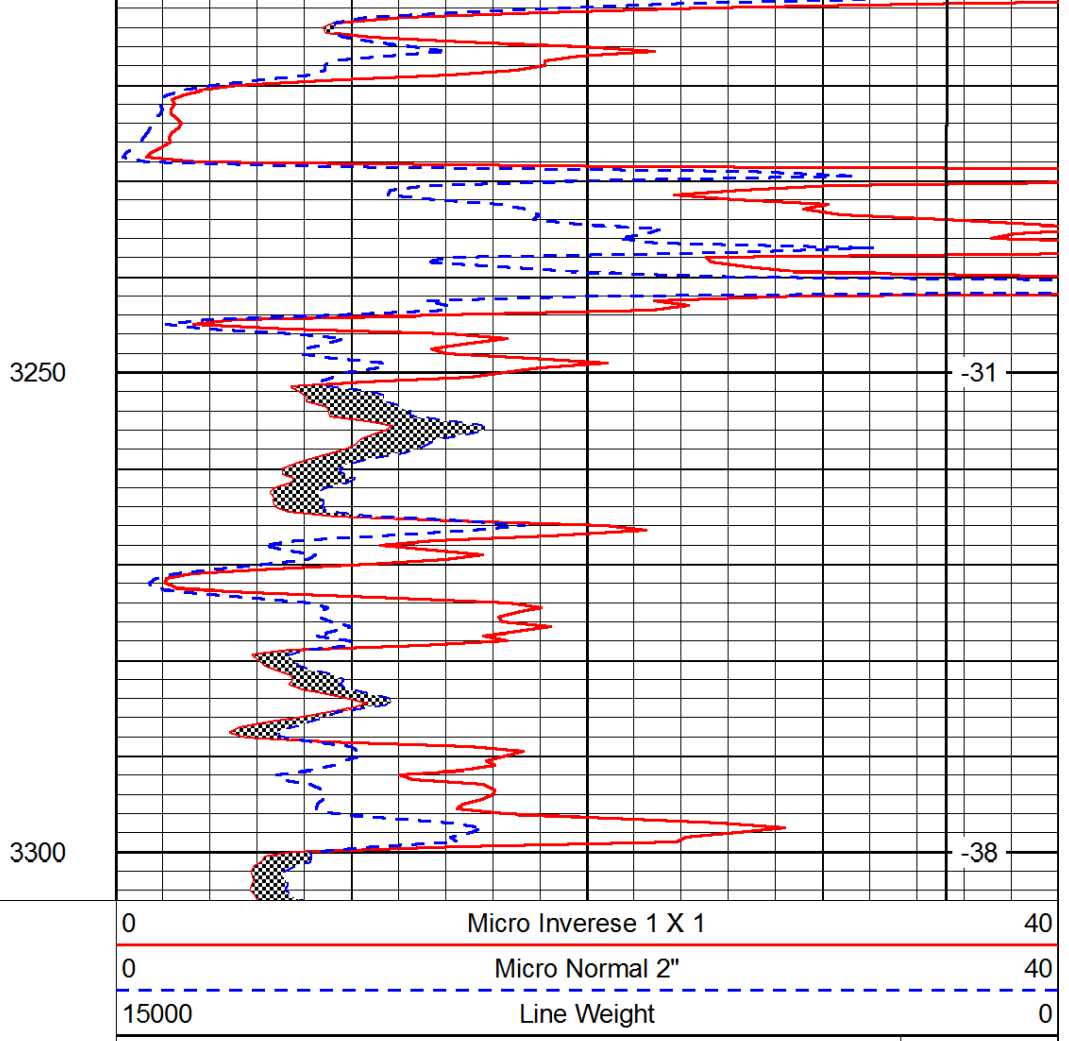
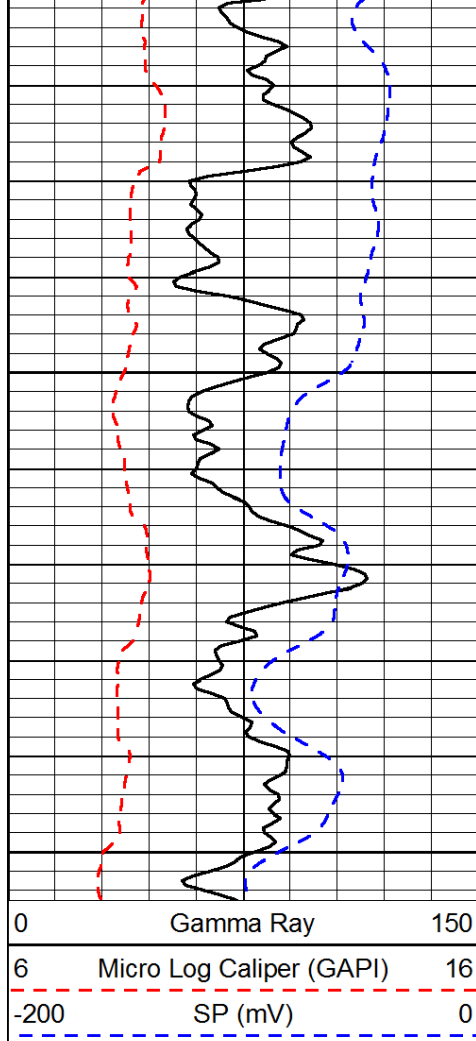
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-31

-31

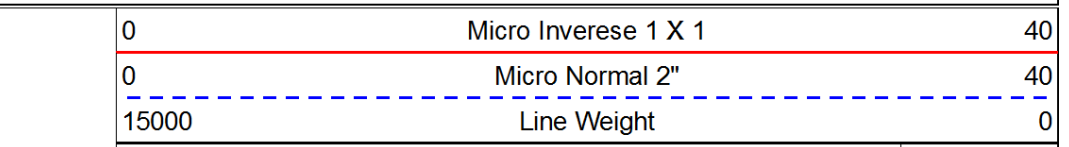
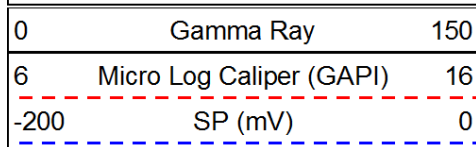
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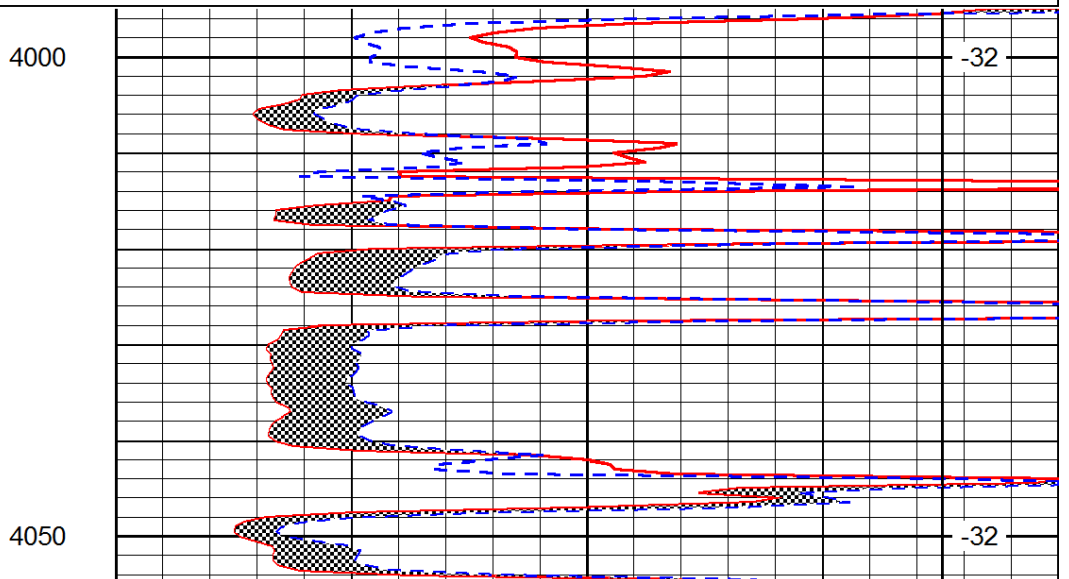
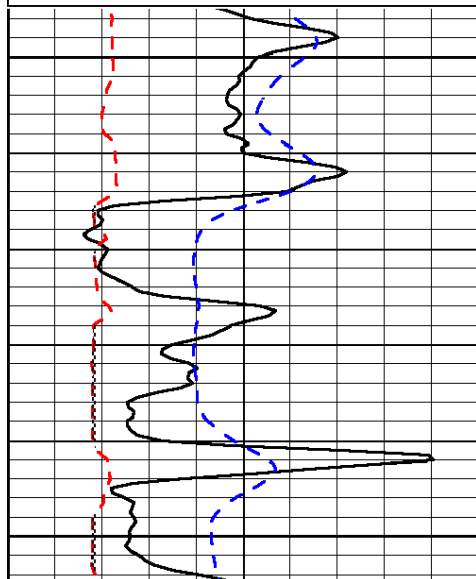


LSPD

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 Presentation Format: micro
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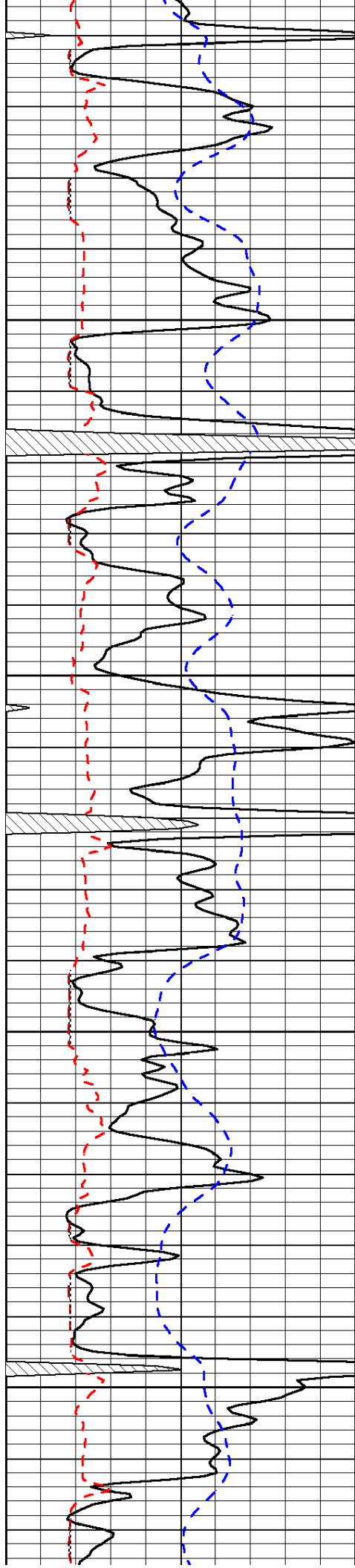


LSPD



LSPD

LSPD

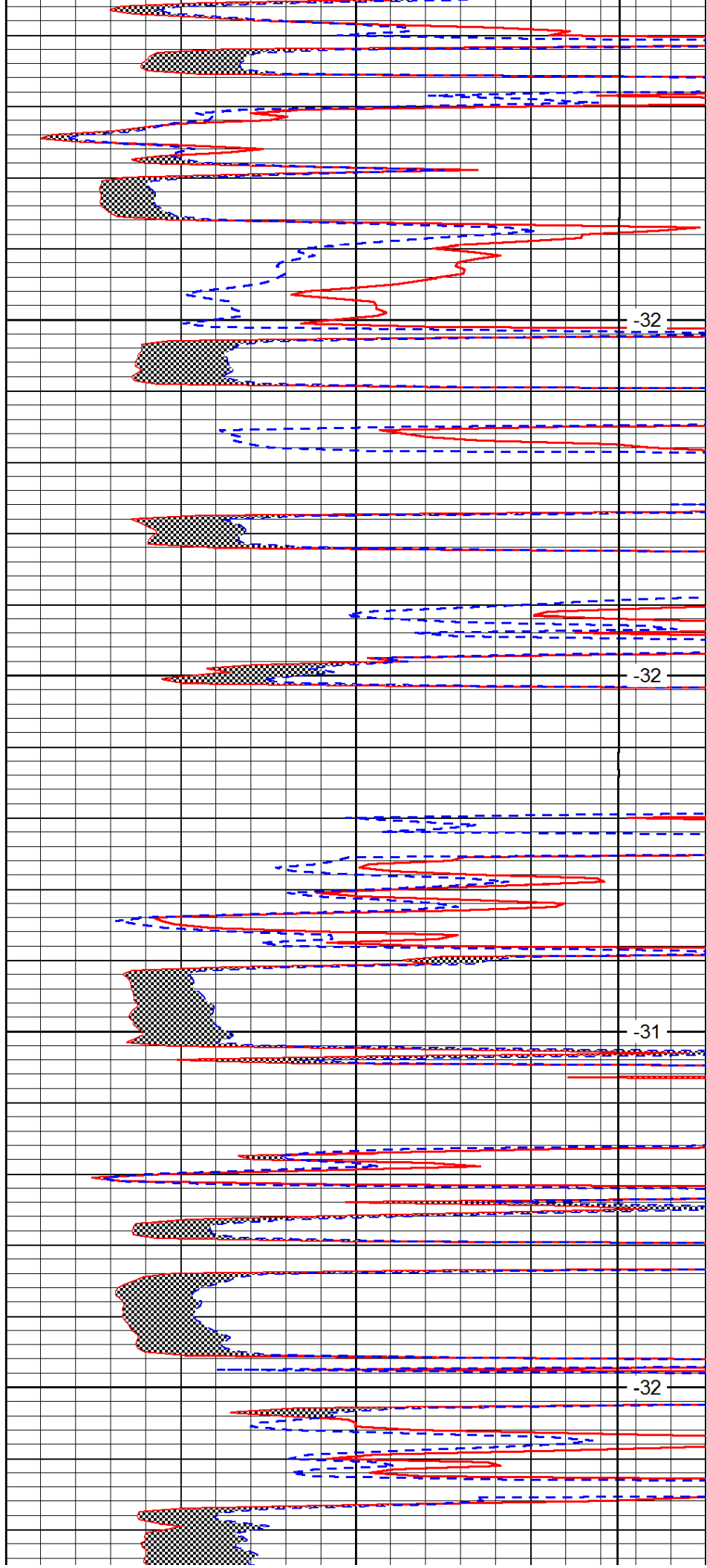


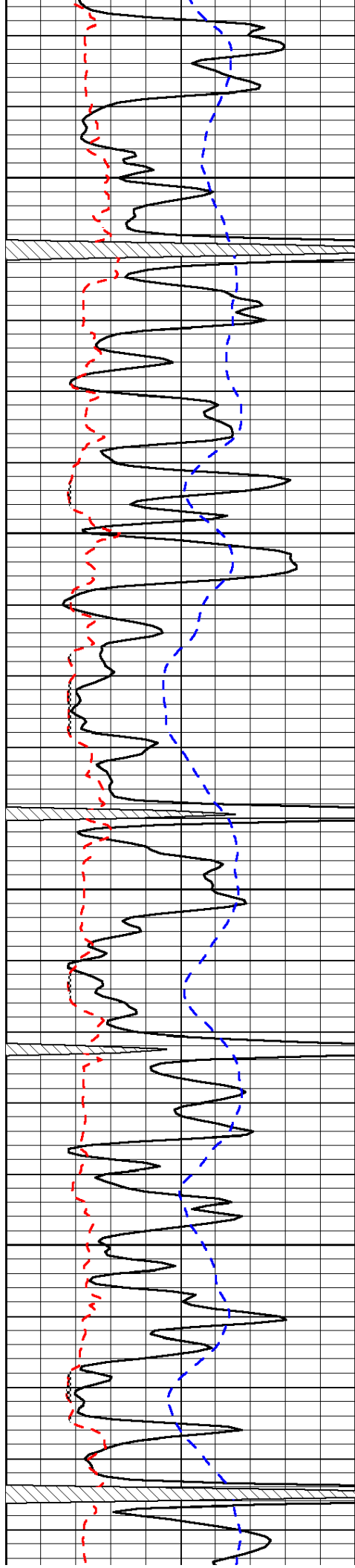
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4150

4200

4250



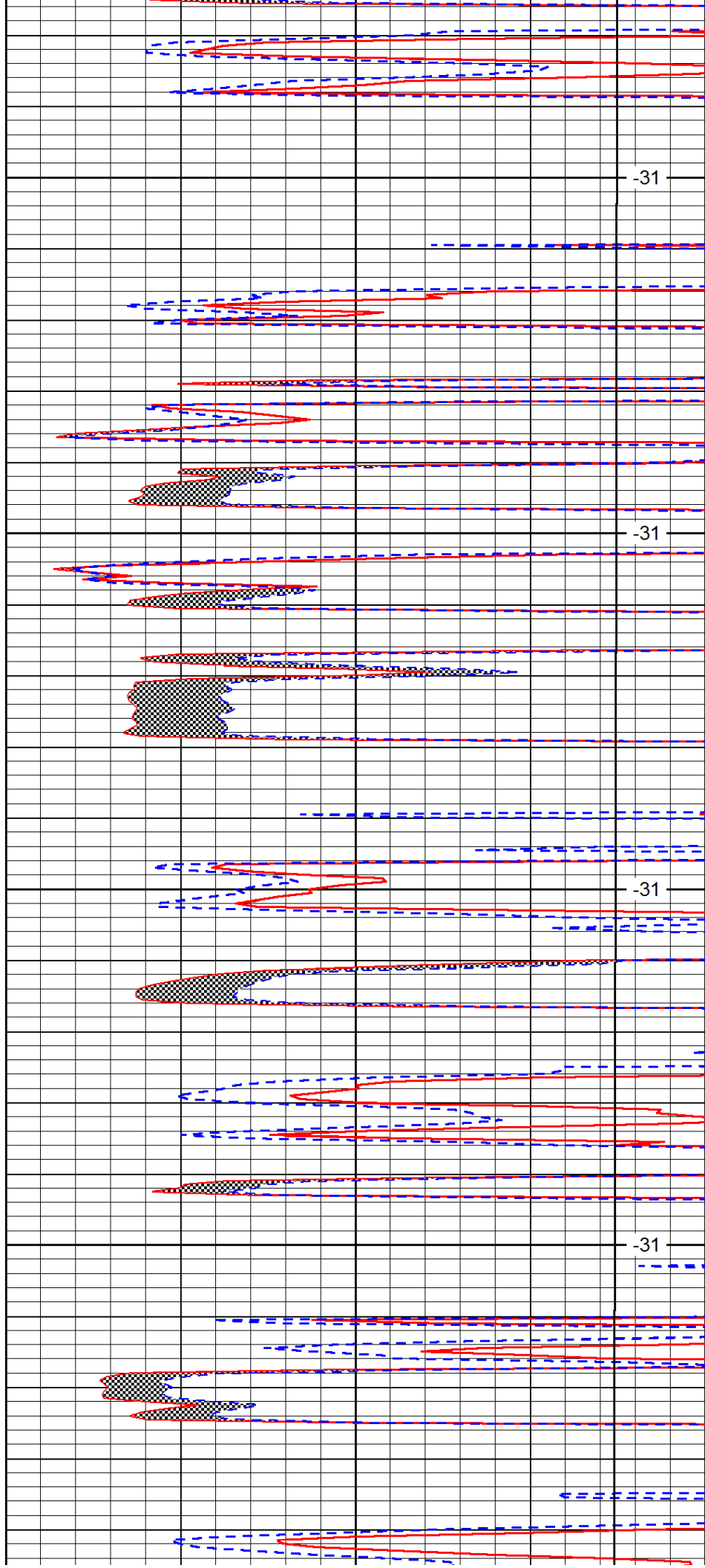


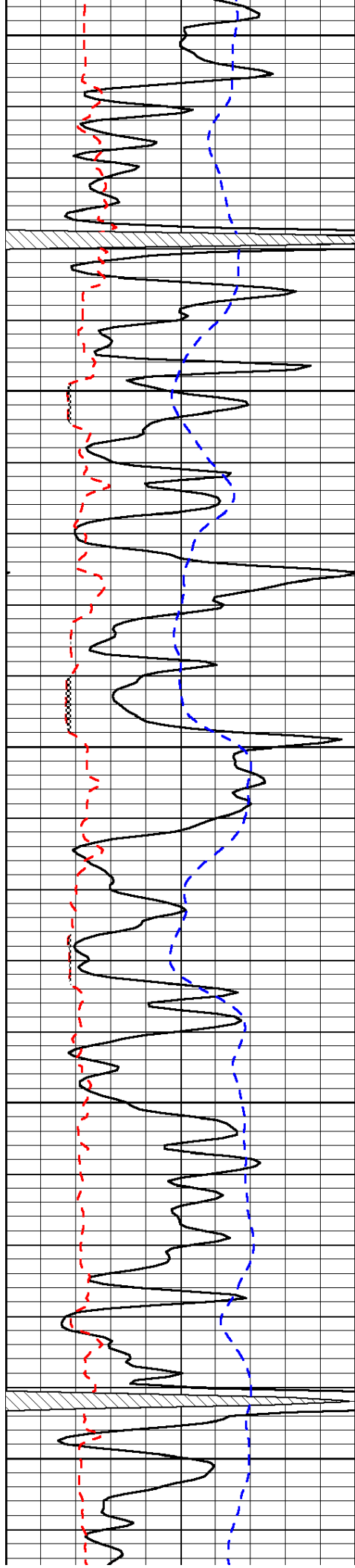
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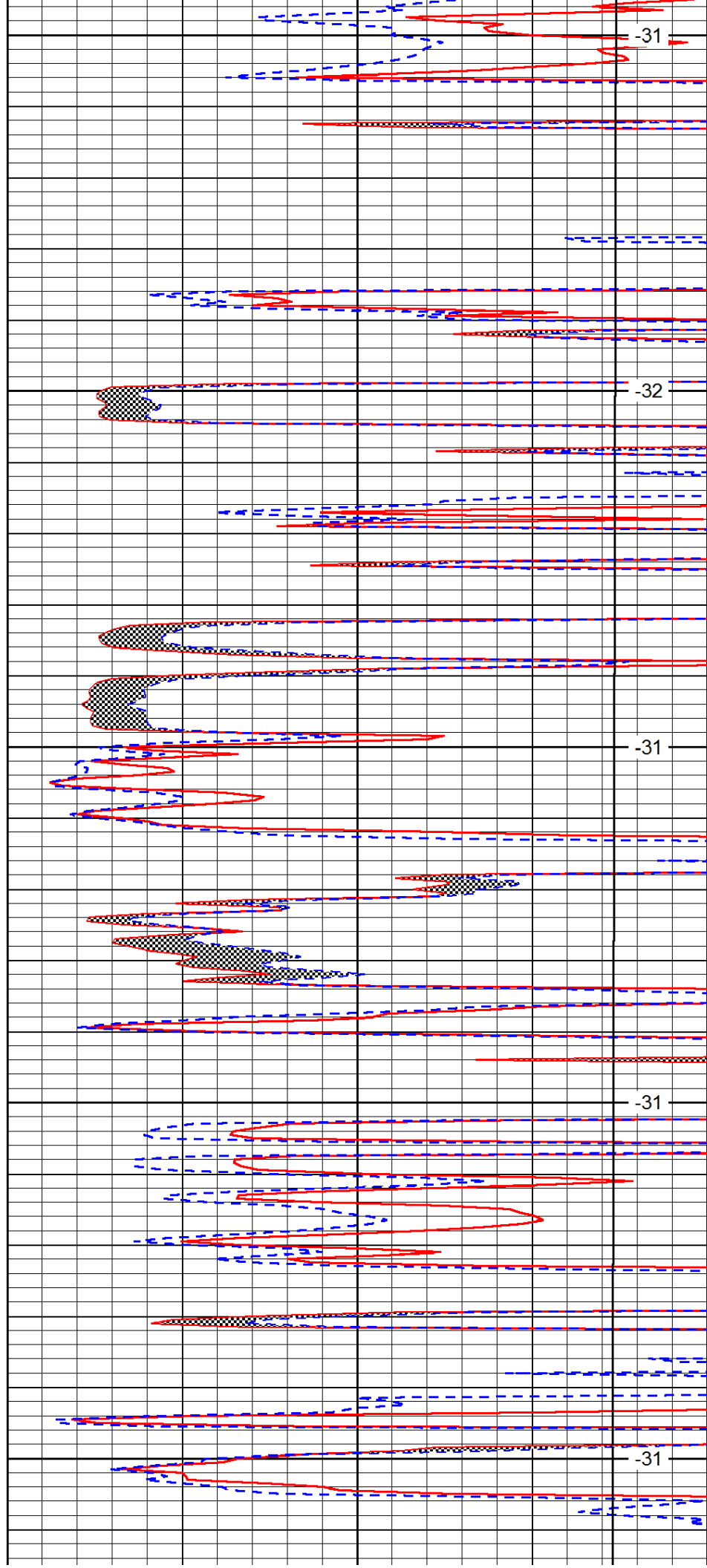
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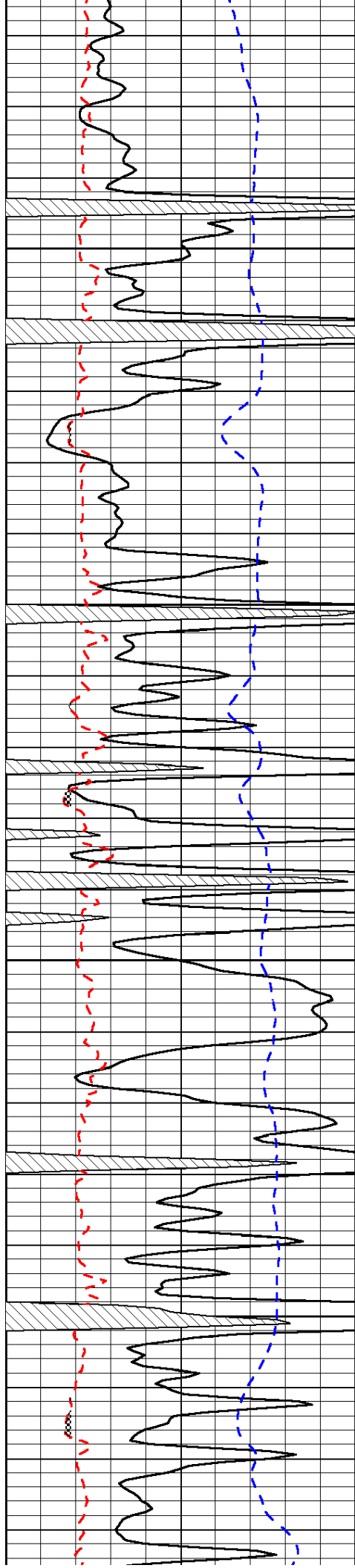
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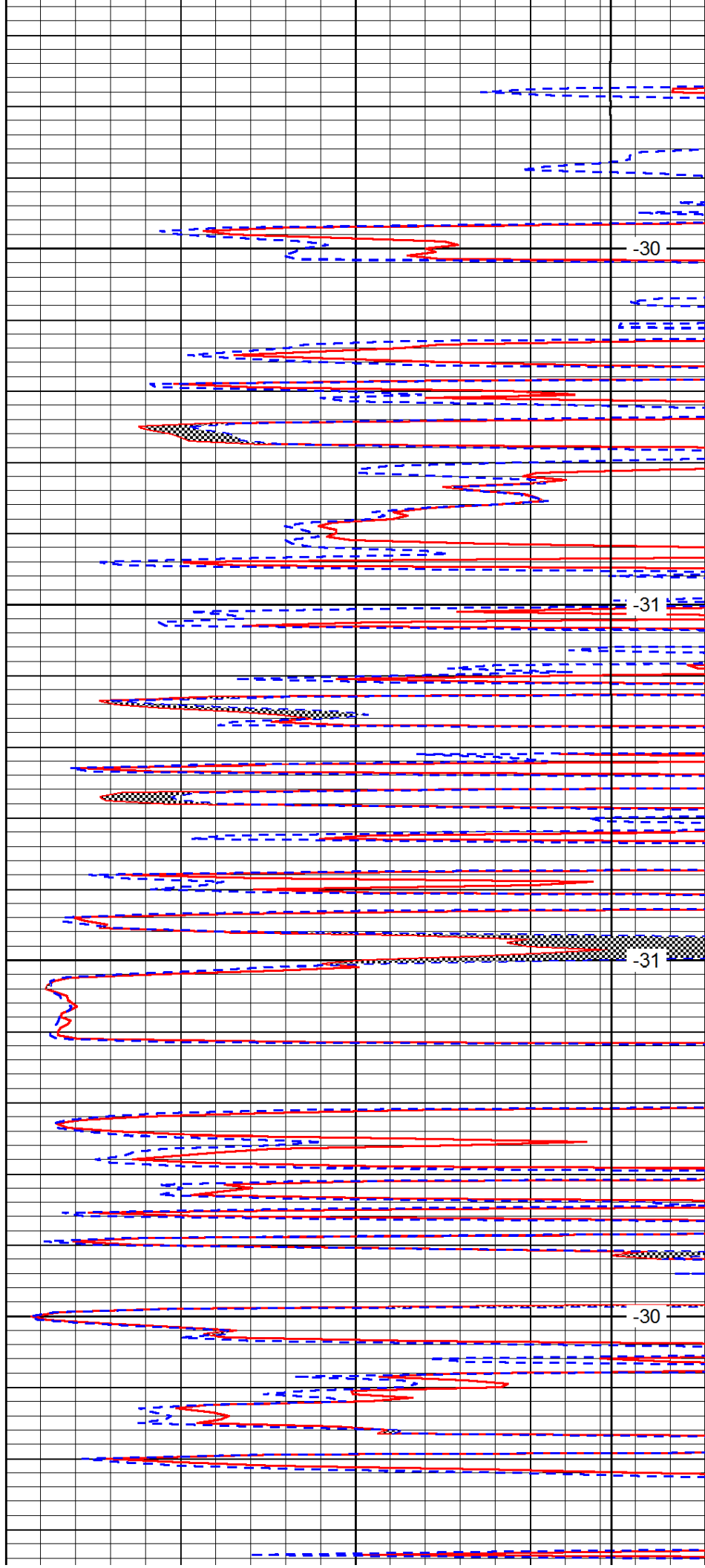


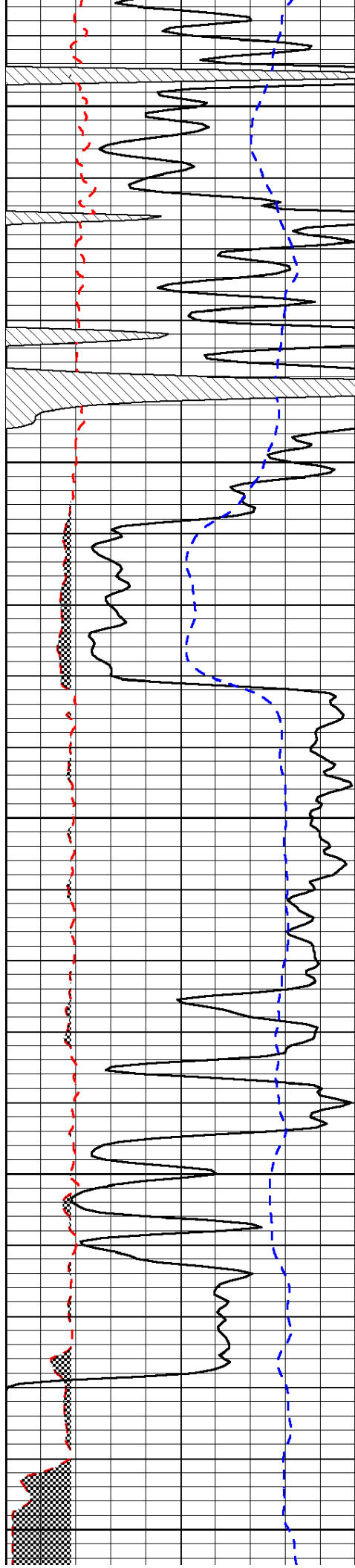
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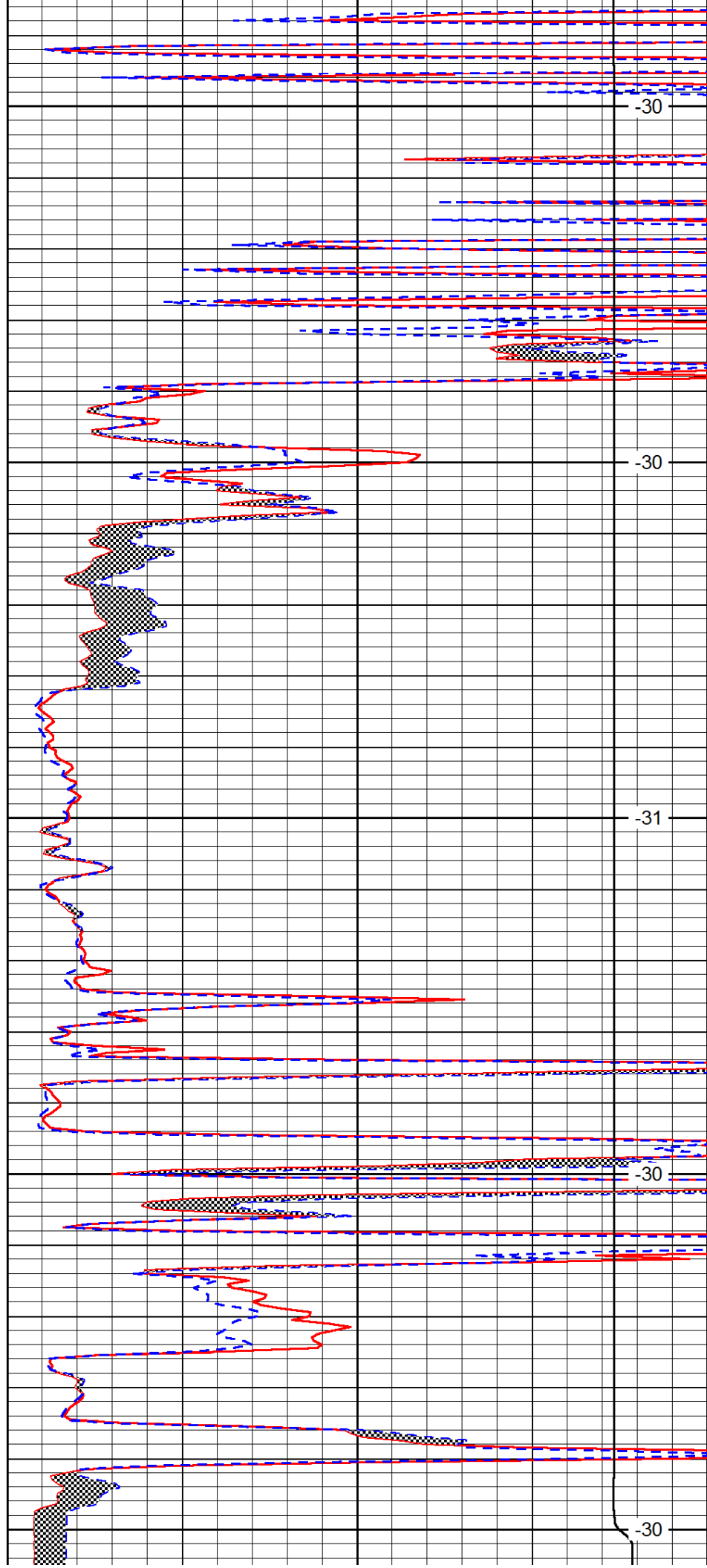
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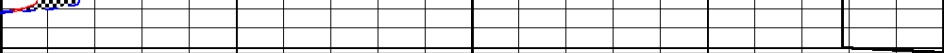
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5100

5150



		
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

		
0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0
		LSPD