



Microresistivity Log

Pioneer Energy Services

API No.

15-185-23,872-00-00

Company RAMA Operating Company, Inc.

Well Goss #1-17

Field Zenith-Peace Creek

County Stafford State Kansas

Location

SE NW NW NW
335' FNL & 595' FWL

Other Services
CNL/CDL
DIL

Sec: 17 Twp: 24S Rge: 11W

Permanent Datum Ground Level Elevation 1834
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elevation

K.B. 1843
D.F. 1834
G.L. 1834

Date 5/4/2104

Run Number Two

Depth Driller 4060

Depth Logger 4057

Bottom Logged Interval 4056

Top Log Interval 2900

Casing Driller 8.625 @ 295

Casing Logger 293

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 9000

Density / Viscosity 9.1 50

pH / Fluid Loss 8.0 9.2

Source of Sample Flowline

Rm @ Meas. Temp 0.31 @ 87

Rmf @ Meas. Temp 0.23 @ 87

Rmc @ Meas. Temp 0.42 @ 87

Source of Rmf / Rmc Charts

Rm @ BHT 0.23 @ 117

Operating Rig Time 4 Hours

Max Rec. Temp. F 117

Equipment Number 15

Location Hays

Recorded By D. Kerr

Witnessed By Josh Austin

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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.

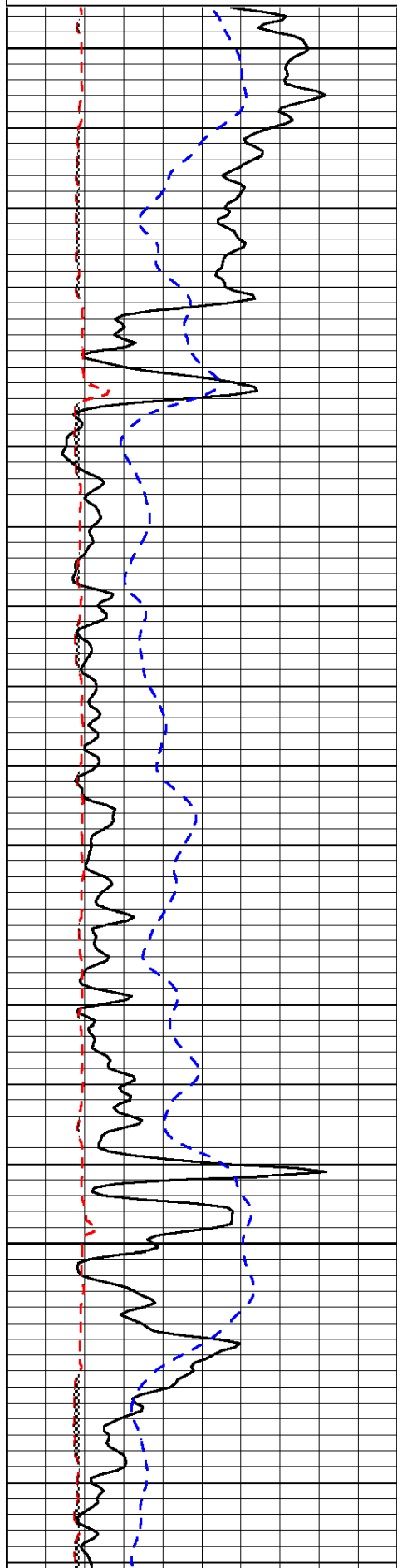
Comments

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

Stafford KS, 2 East, 1 North, East Into

Database File: c:\warrior\data\rama_goss #1-17\rama_goss_1_17hd.db
Dataset Pathname: DIL\ramastk
Presentation Format: micro
Dataset Creation: Sun May 04 22:21:19 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

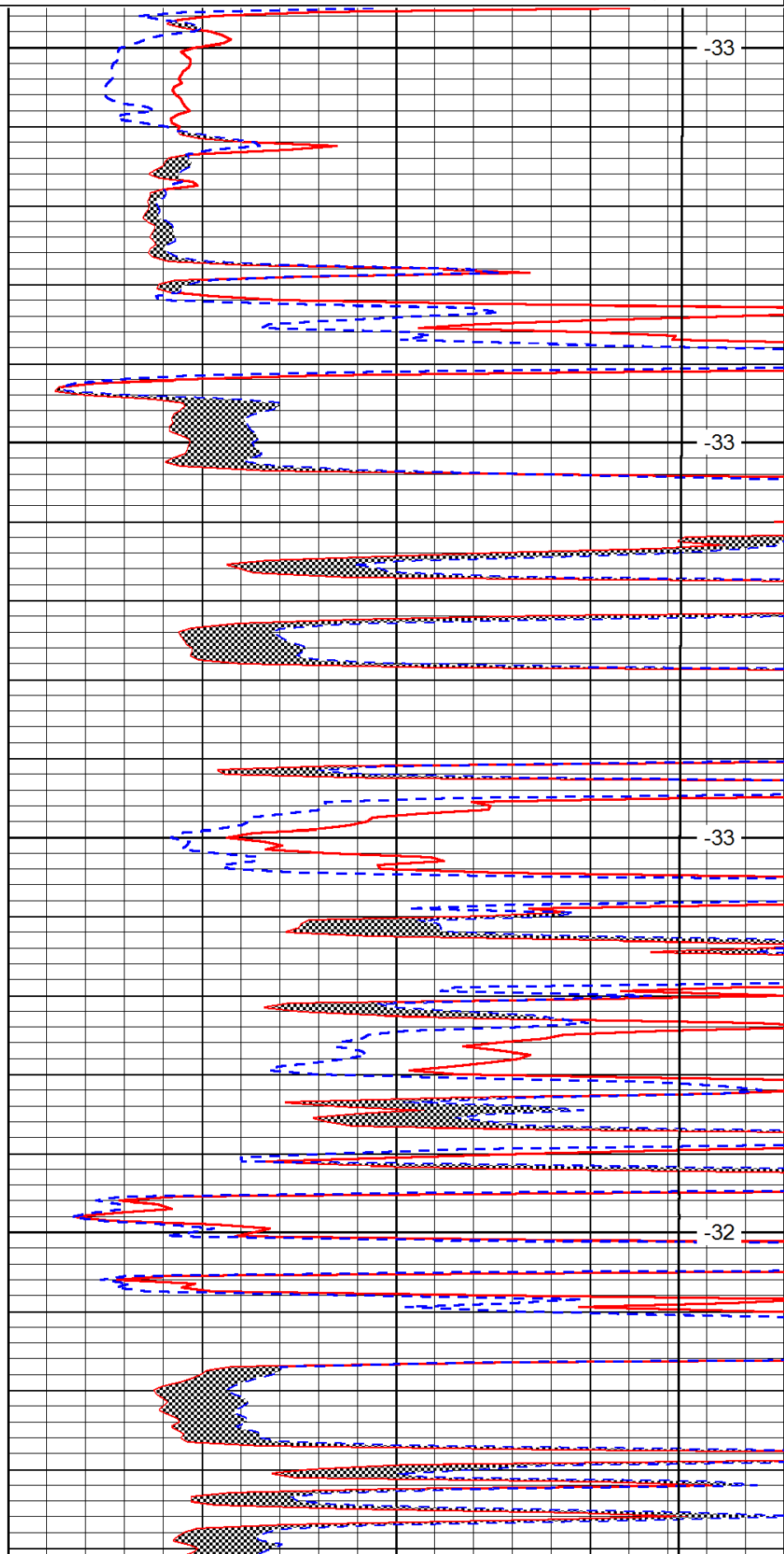


2900

2950

3000

3050



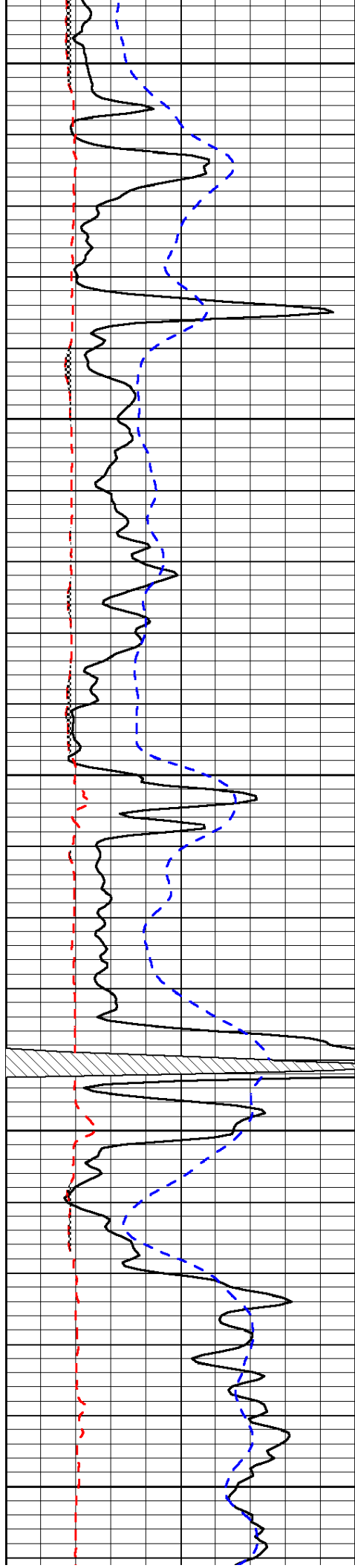
-33

-33

-33

-32

LSPD



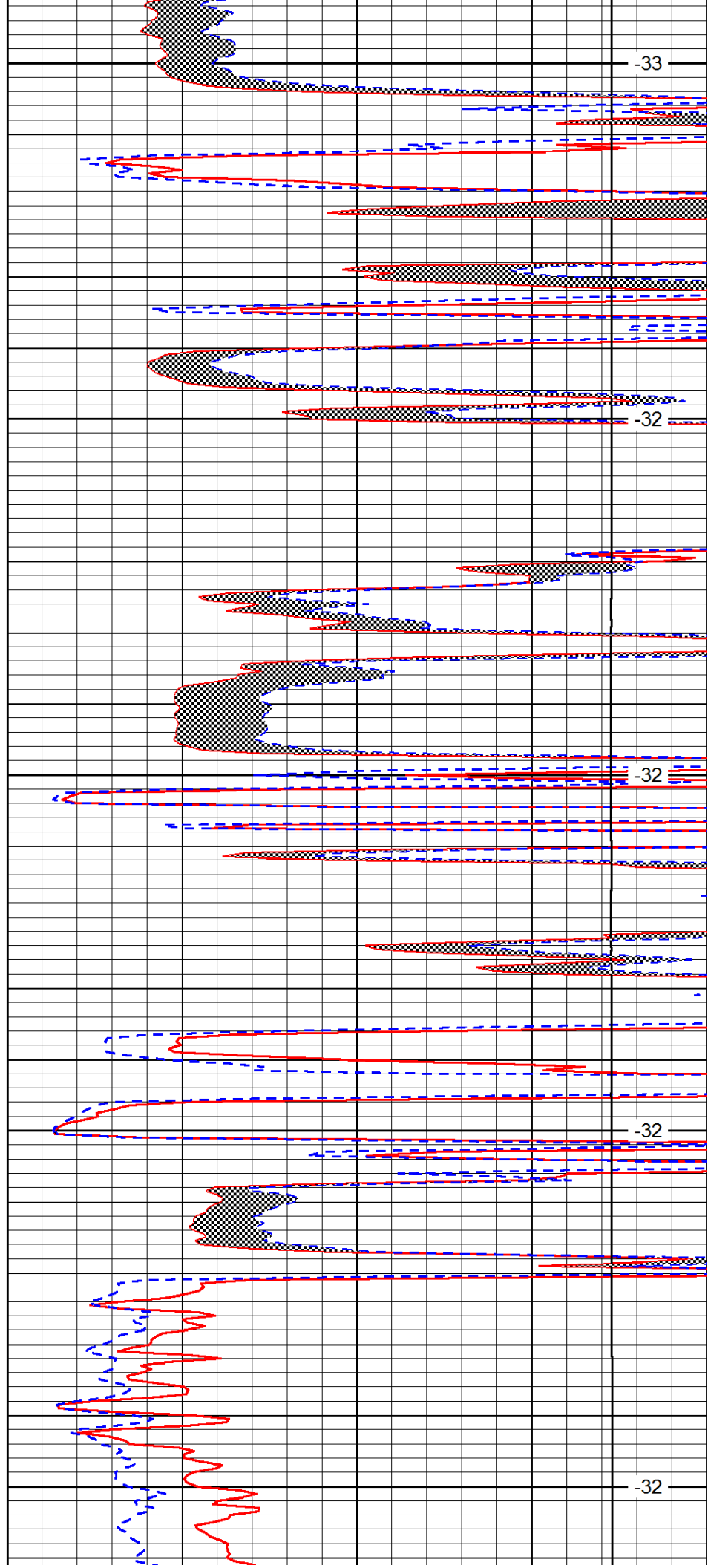
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3150

3200

3250

3300



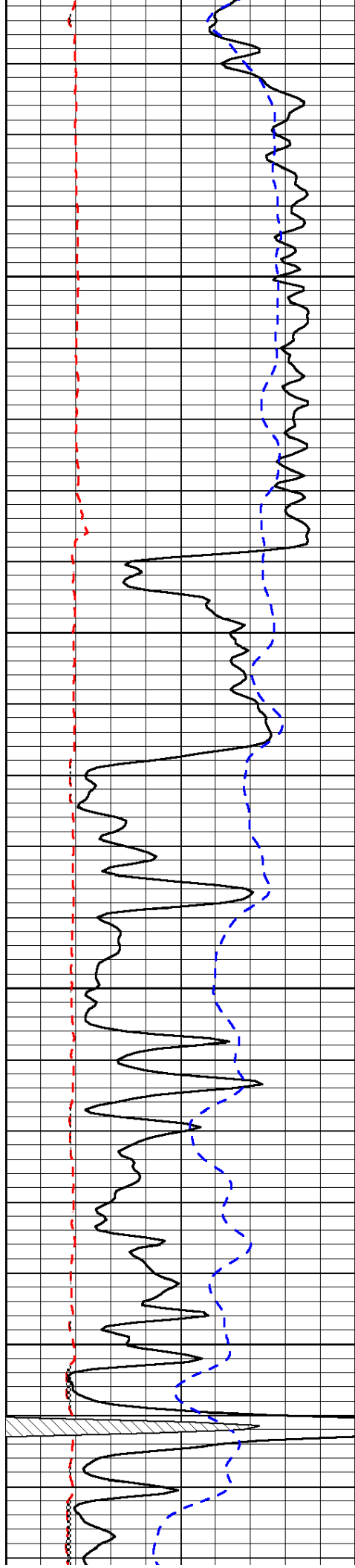
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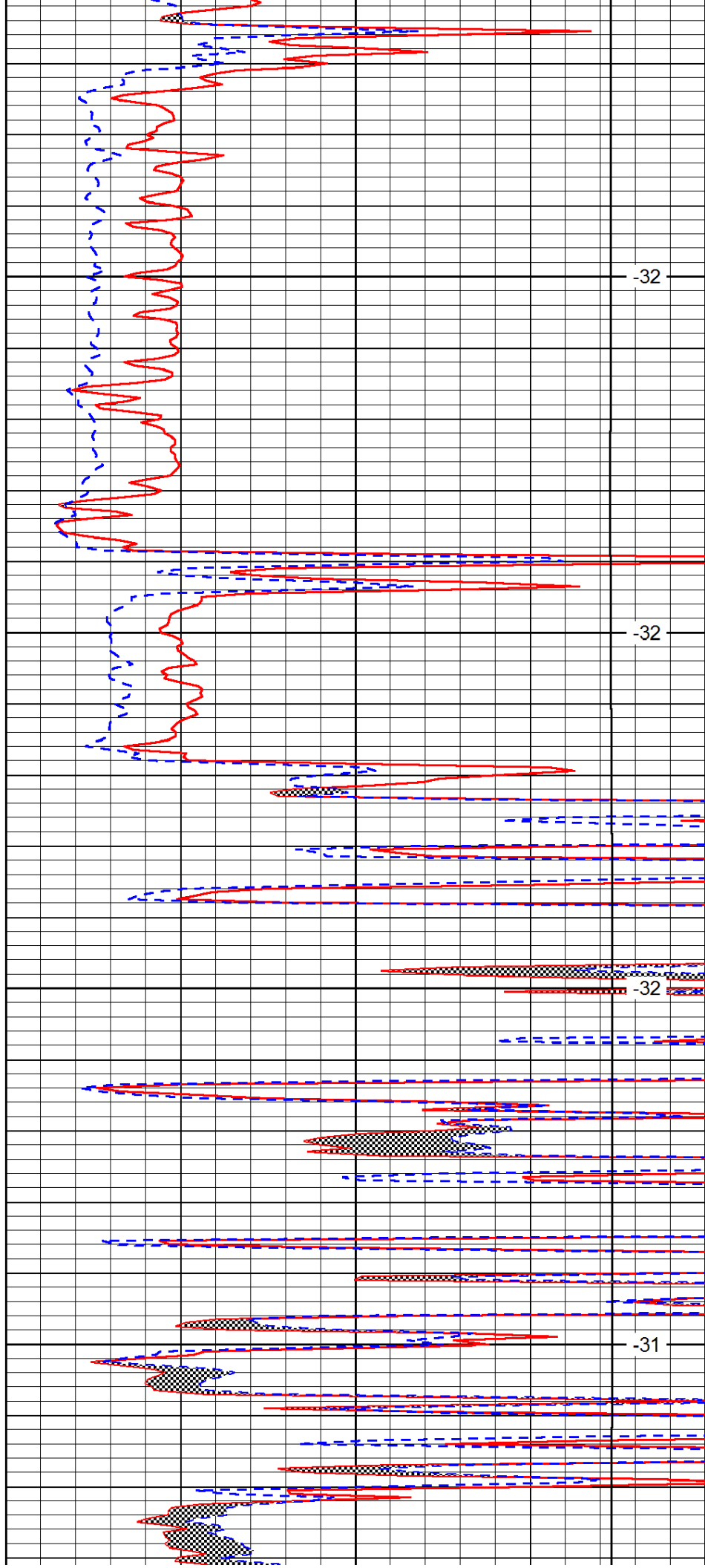


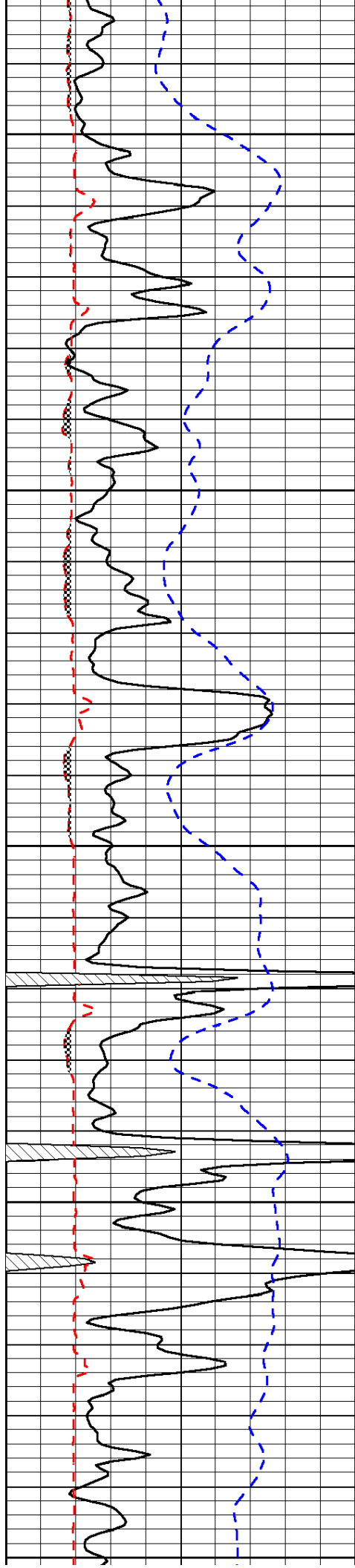
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3400

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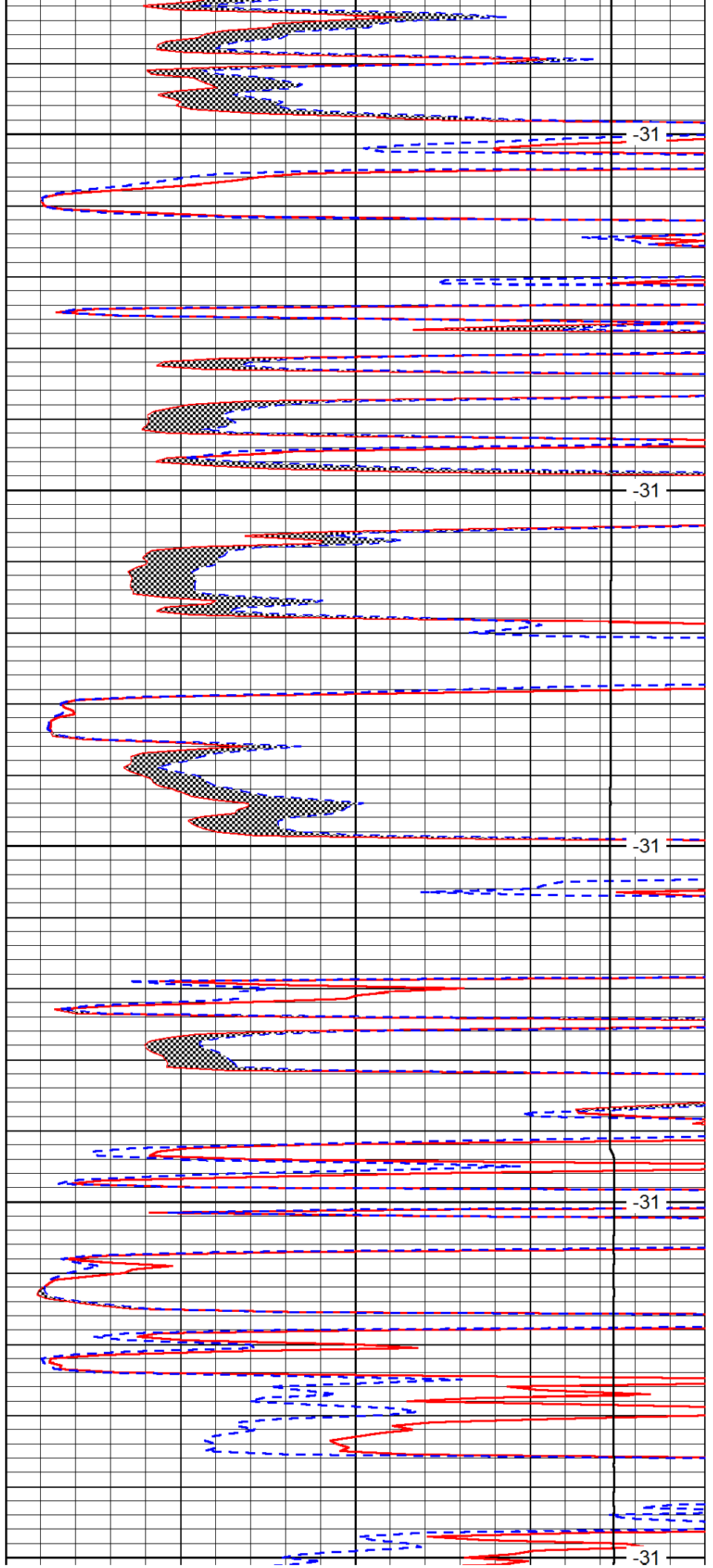
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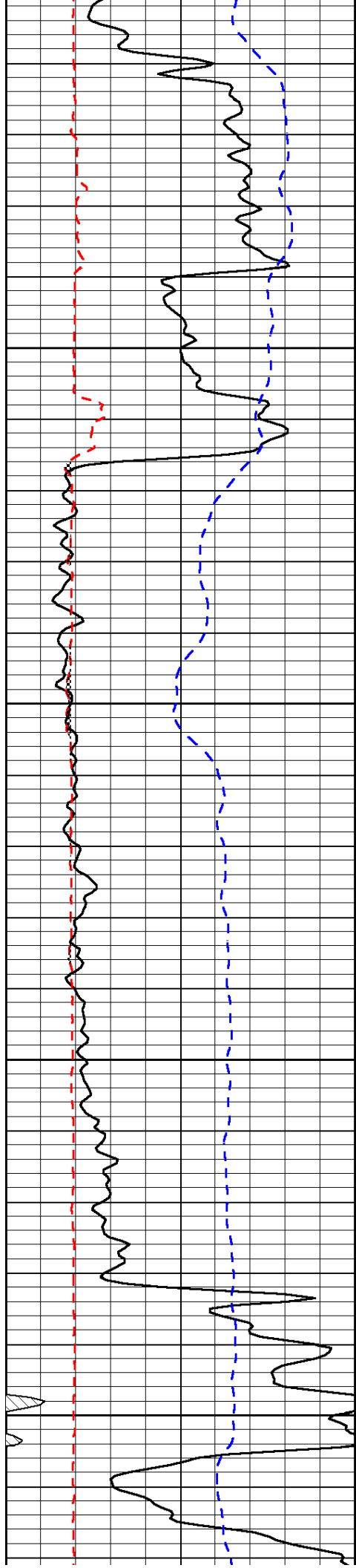
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3750



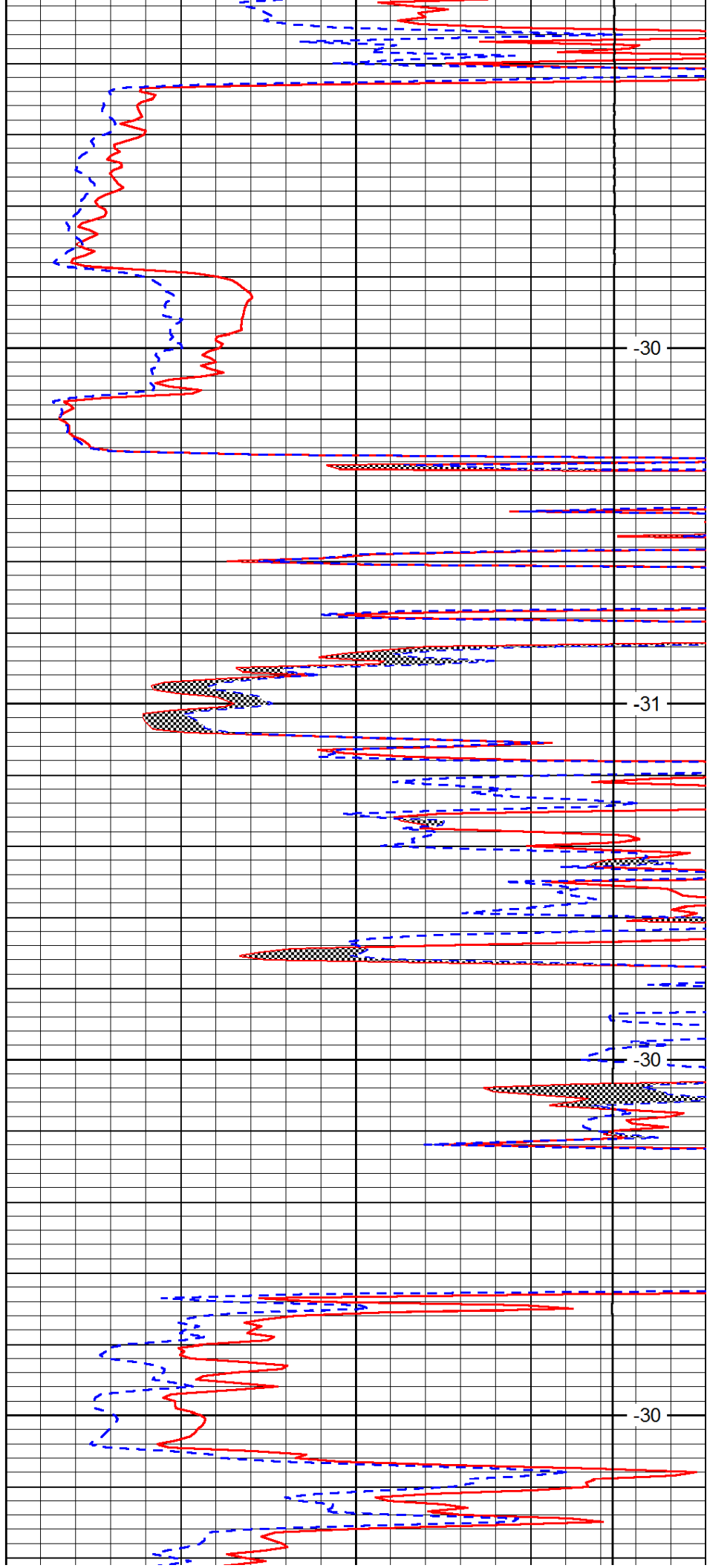


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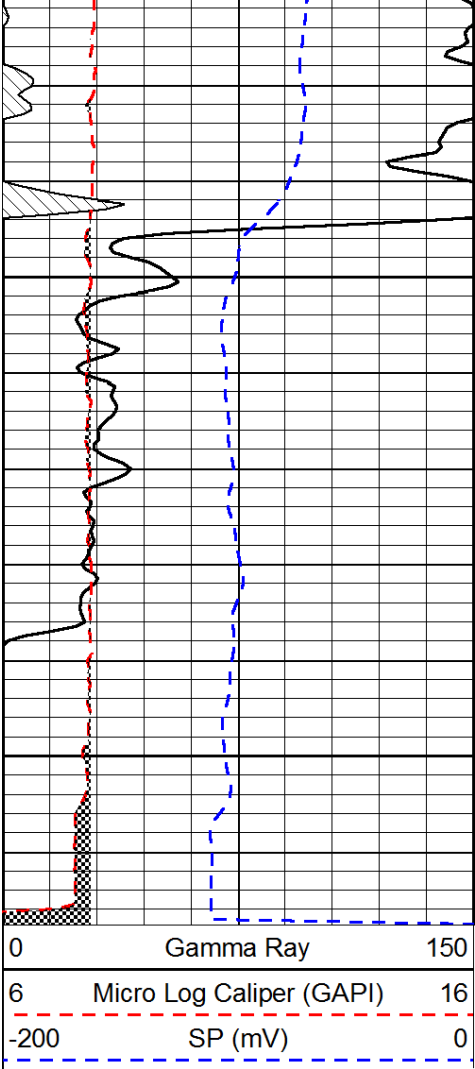


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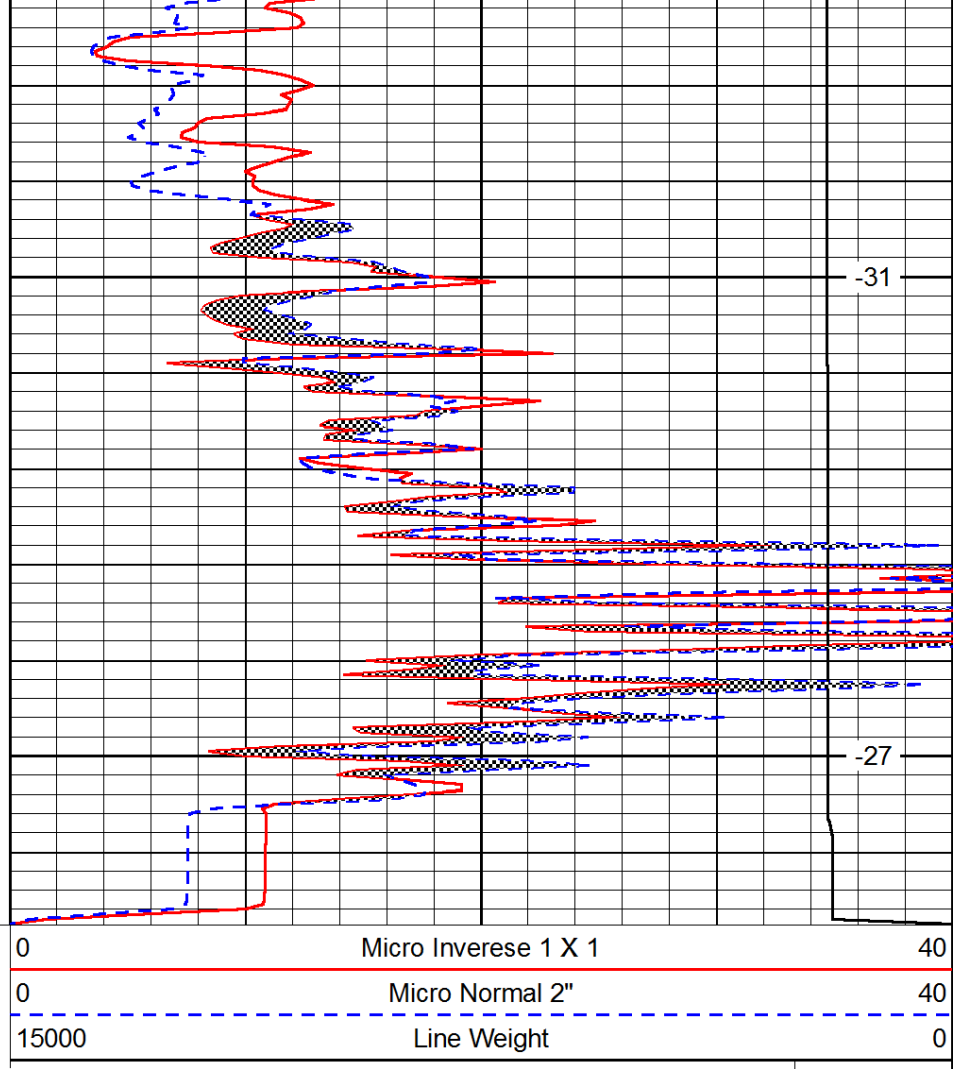
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4000

4050



-31

-27

LSPD