



Microresistivity Log

Pioneer Energy Services

API No.

15-055-22,302-00-00

Company American Warrior, Inc.

Well O'Brate-Finney #2-15

Field

County Finney

State

Kansas

Location

1994' FNL & 537' FWL

Sec: 15

Twp: 25S

Rge: 31W

Elevation

K.B. 2772

D.F. 2761

G.L. 2761

Other Services
CNL/CDL
DIL

Permanent Datum Ground Level Elevation 2761

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

Drilling Measured From Kelly Bushing

Date

5/31/2014

Run Number

Two

Depth Driller

5000

Depth Logger

4998

Bottom Logged Interval

4997

Top Log Interval

3850

Casing Driller

8.625 @ 1720

Casing Logger

1701

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

2.800

Density / Viscosity

9.3 50

pH / Fluid Loss

11.0 8.8

Source of Sample

Flowline

Rm @ Meas. Temp

.75 @ 70

Rmf @ Meas. Temp

.56 @ 70

Rmc @ Meas. Temp

1.01 @ 70

Source of Rmf / Rmc

Charts

Rm @ BHT

.42 @ 126

Operating Rig Time

4 Hours

Max Rec. Temp. F

126

Equipment Number

17

Location

Hays

Recorded By

C. Desaire

Witnessed By

Kevin Timson

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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.

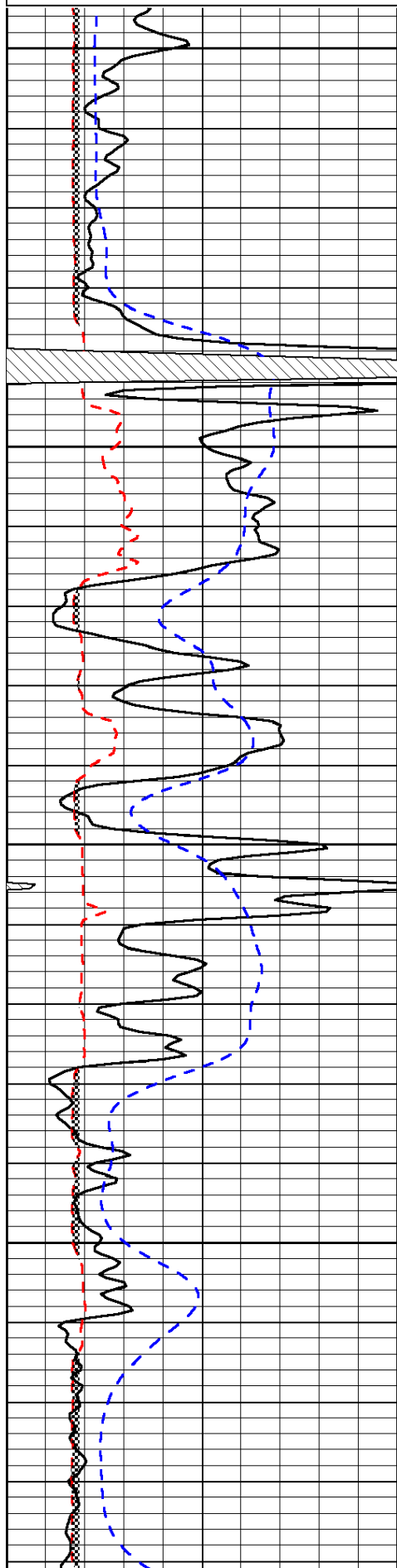
Comments

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

Pierceville KS, 1 S to Beach Rd,
2 W, 1/2 N, E Into

Database File: c:\warrior\data\amwar_o'brate-finney #2-15\awhd.db
Dataset Pathname: dil\awstk
Presentation Format: micro
Dataset Creation: Sat May 31 21:37:06 2014
Charted by: Depth in Feet scaled 1:240

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

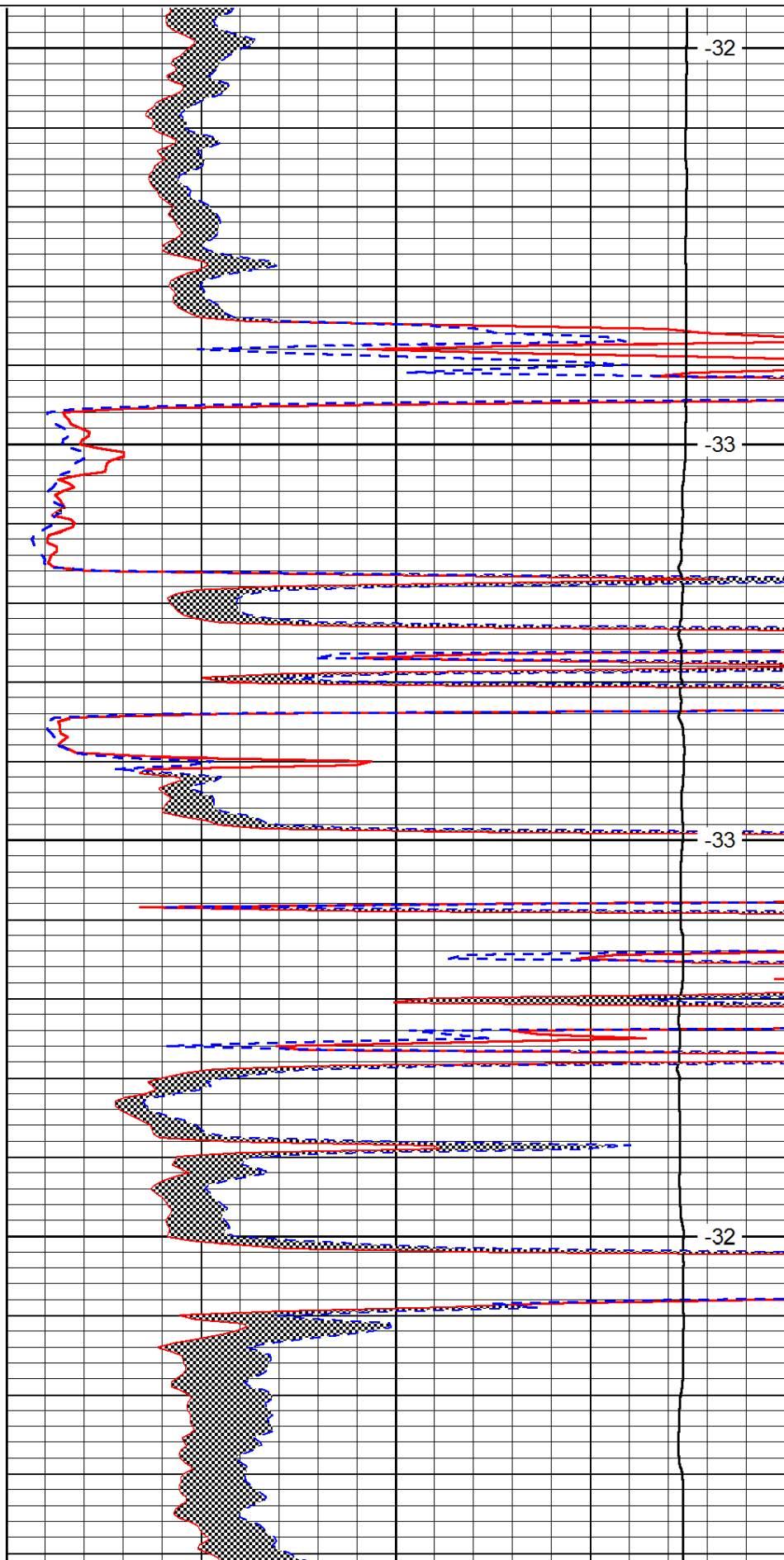


3850

3900

3950

4000

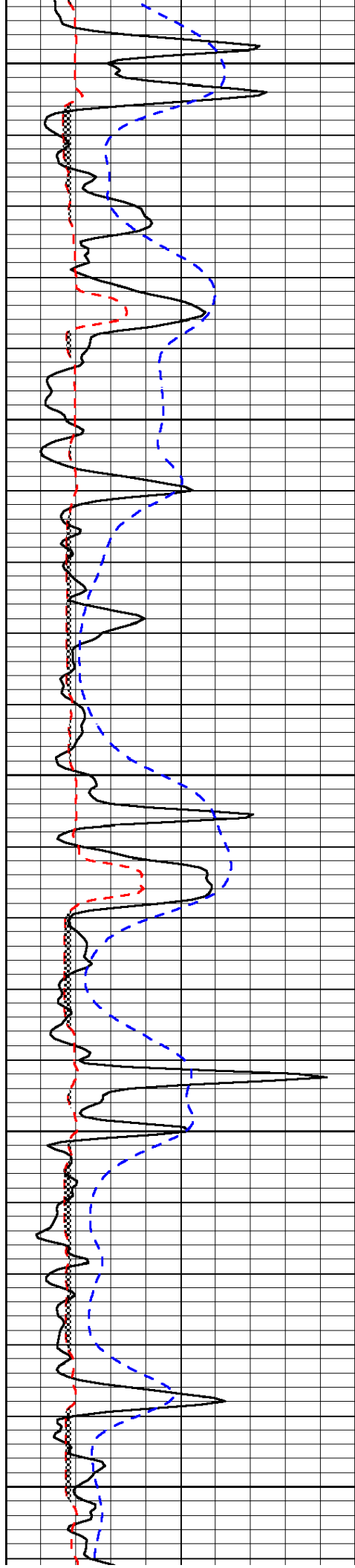


-32

-33

-33

-32



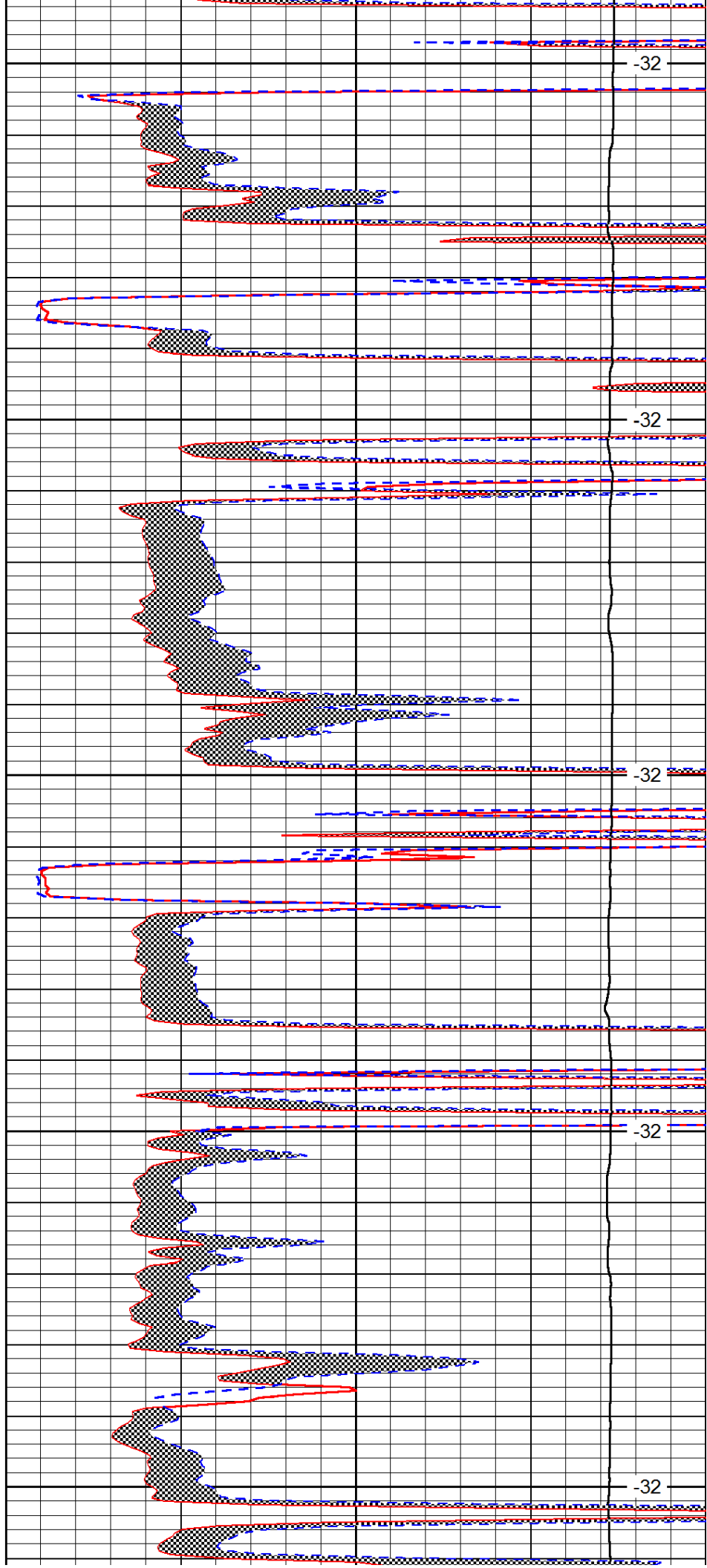
4050

4100

4150

4200

4250



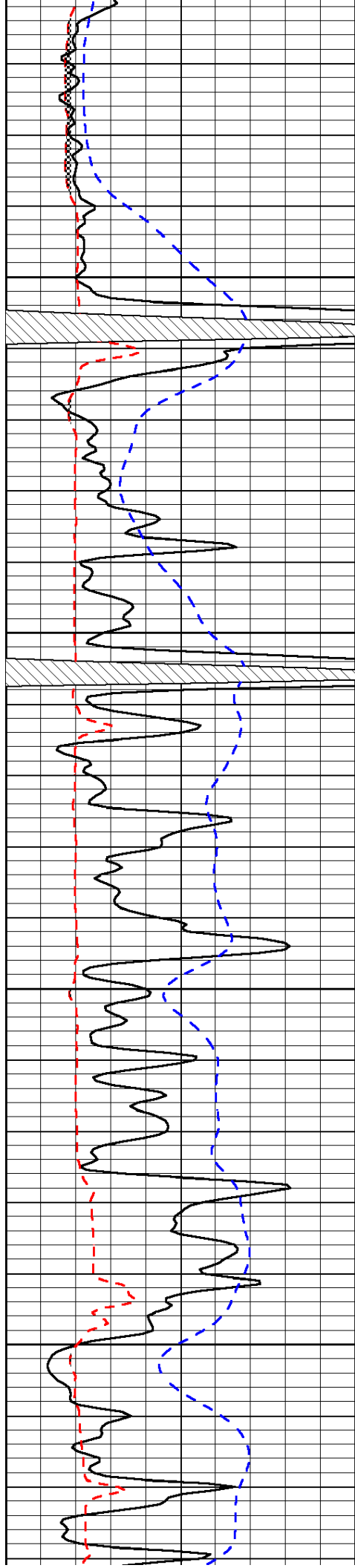
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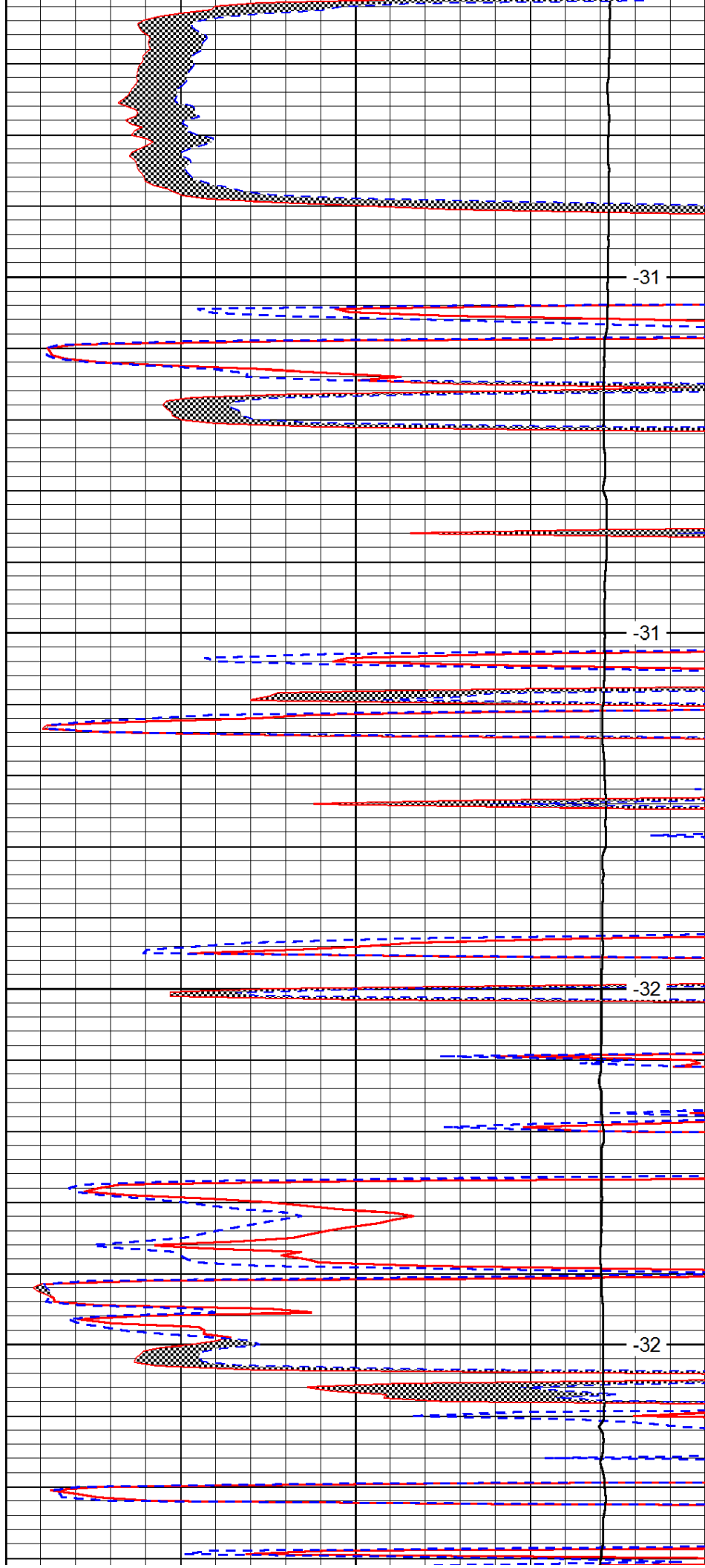


4300

4350

4400

4450

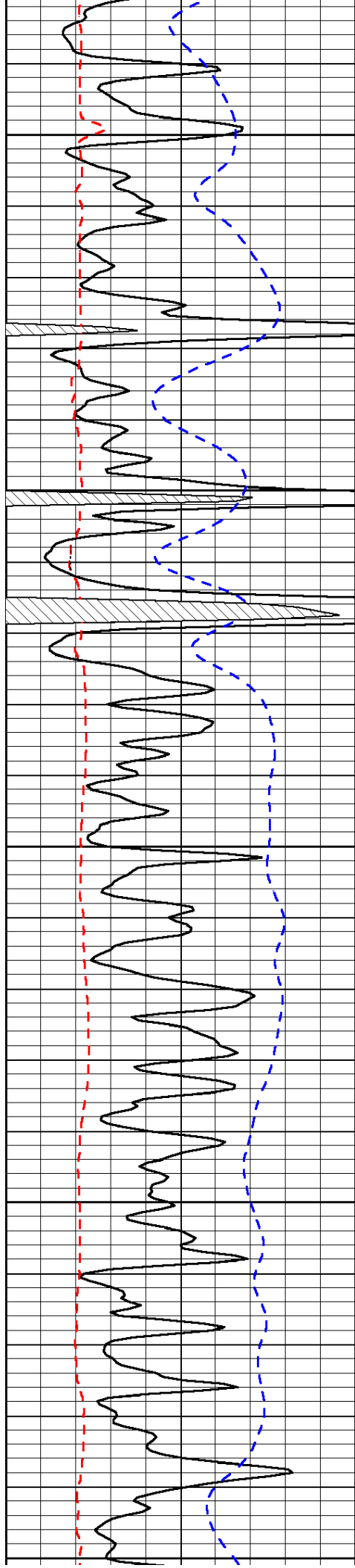


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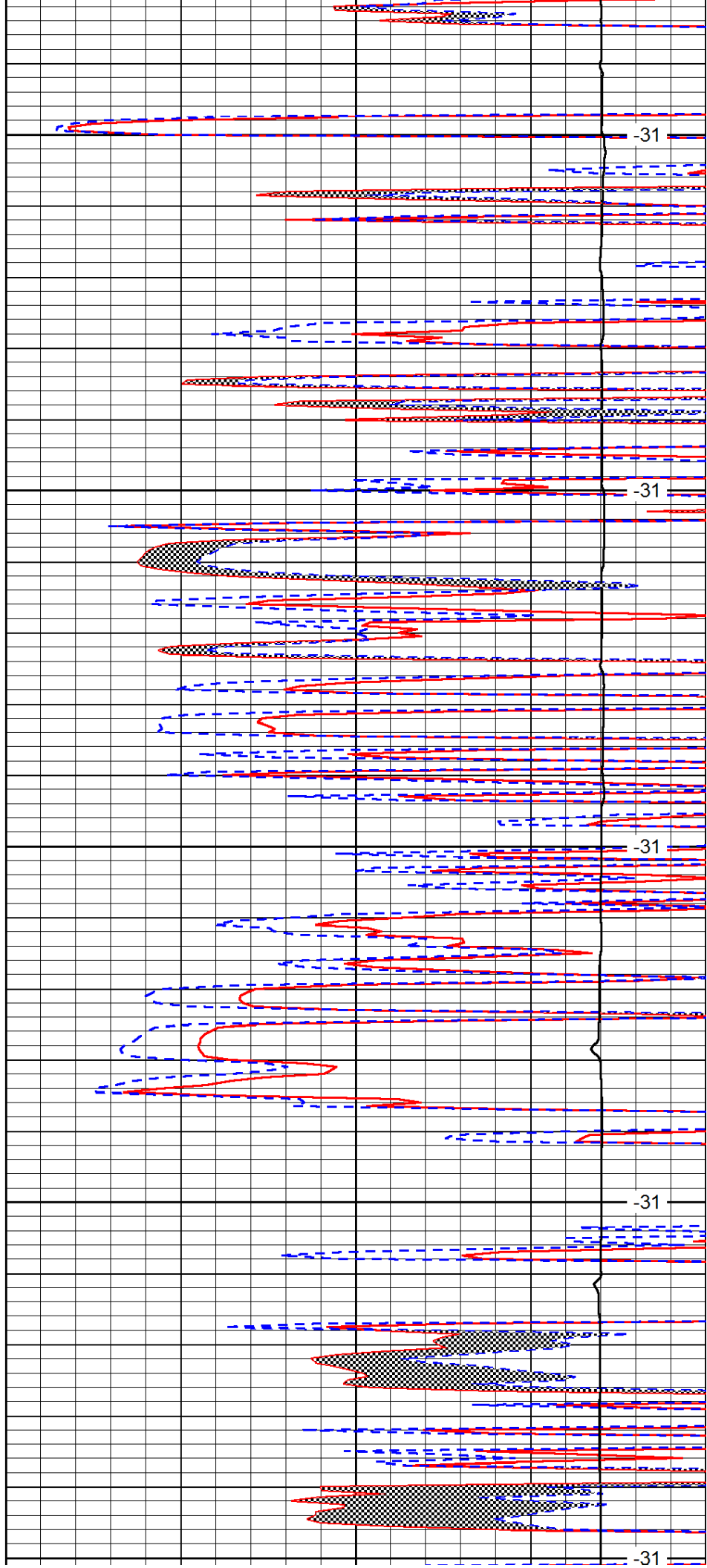
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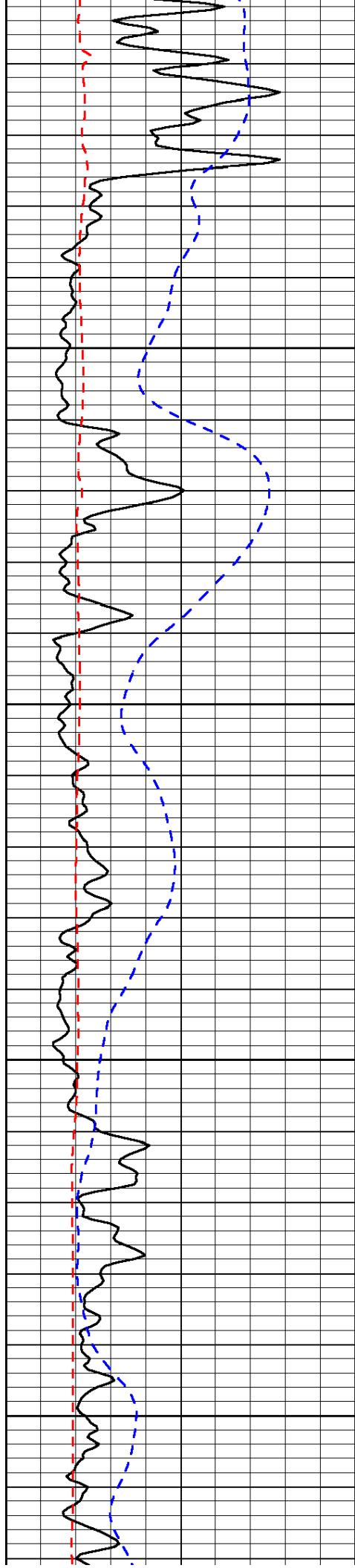
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4600

4650

4700



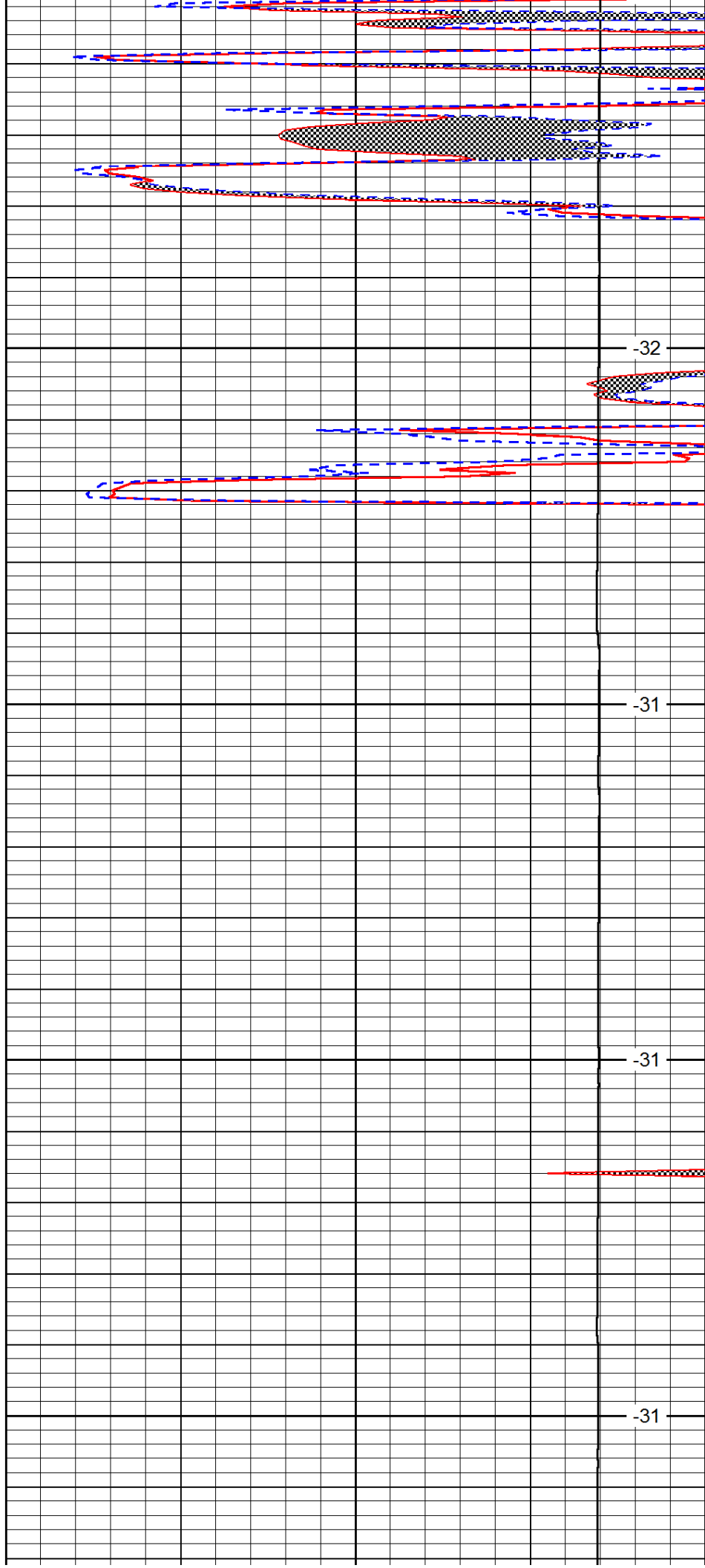


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4800

4850

4900

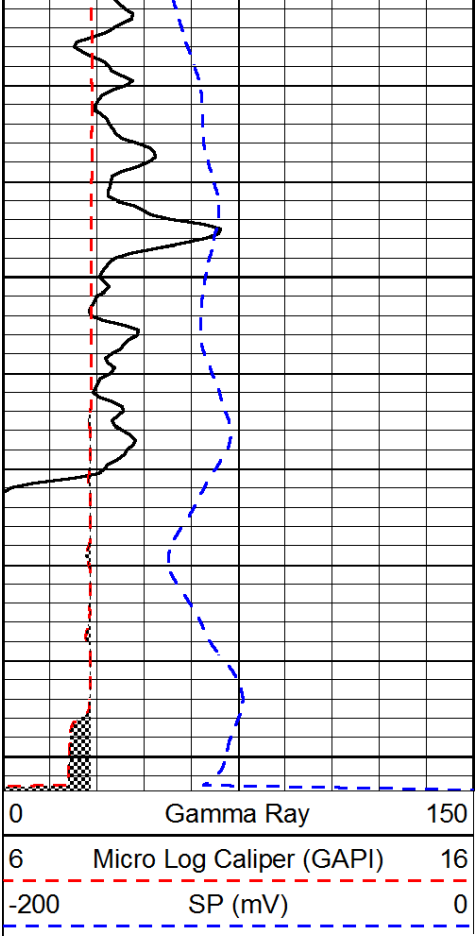


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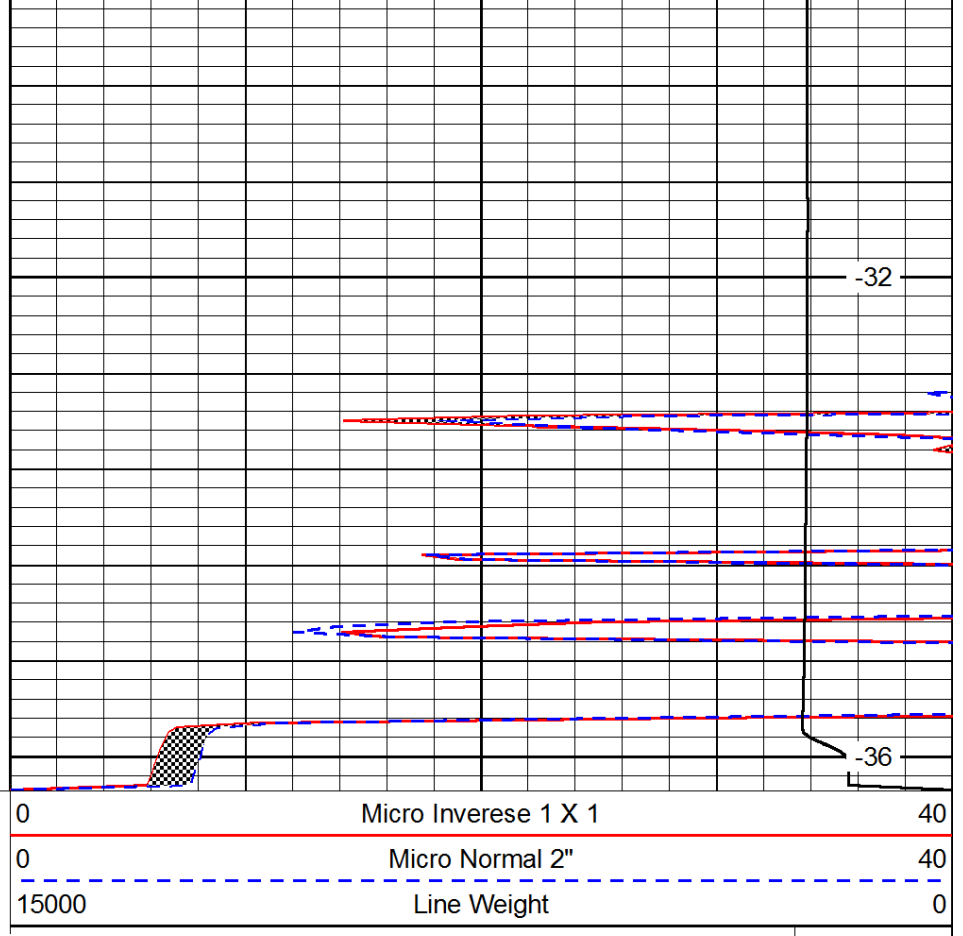
-31

-31



4950

5000



-32

-36

LSPD