



Microresistivity Log

Pioneer Energy Services

API No.

15-069-20,424-00-00

Company **Falcon Exploration, Inc.**

Well **James Koehn #2-31 (NW)**

Field

County **Gray**

State

Kansas

Location

**SE SE SE NW 1/4
2,540' FNL & 2,540' FWL**

Sec: 31

Twp: 28S

Rge: 30W

Other Services
CNL/CDL
DIL/BHCS

Elevation

K.B. 2833
D.F.
G.L. 2820

Elevation 2820

Permanent Datum
Log Measured From
Drilling Measured From

Ground Level
Kelly Bushing
From Kelly Bushing

13 Ft. Above Perm. Datum

Date

1/12/2013

Run Number

Two

Depth Driller

5470

Depth Logger

5473

Bottom Logged Interval

5472

Top Log Interval

2500

Casing Driller

8.625 @ 1870

Casing Logger

1869

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

4000

Density / Viscosity

9.3

pH / Fluid Loss

9.0

Source of Sample

Flowline

Rm @ Meas. Temp

.60 @ 68

Rmf @ Meas. Temp

.45 @ 68

Rmc @ Meas. Temp

.81 @ 68

Source of Rmf / Rmc

Charts

Rm @ BHT

.31 @ 131

Operating Rig Time

6 Hours

Max Rec. Temp. F

131

Equipment Number

108

Location

Hays

Recorded By

J. Long

Witnessed By

Dave Williams

<<< Fold Here >>>

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.

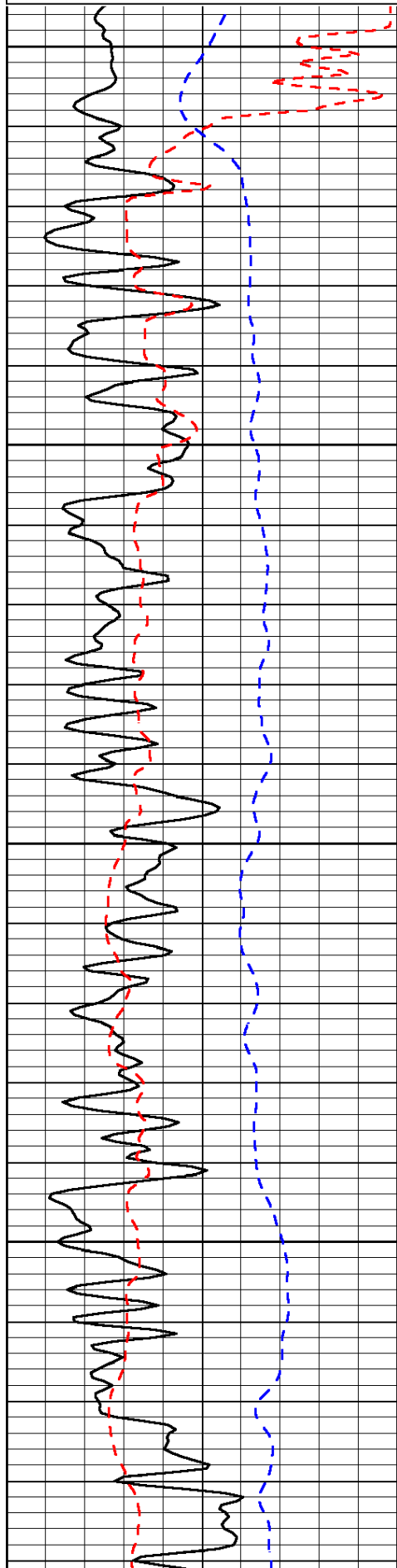
Comments

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

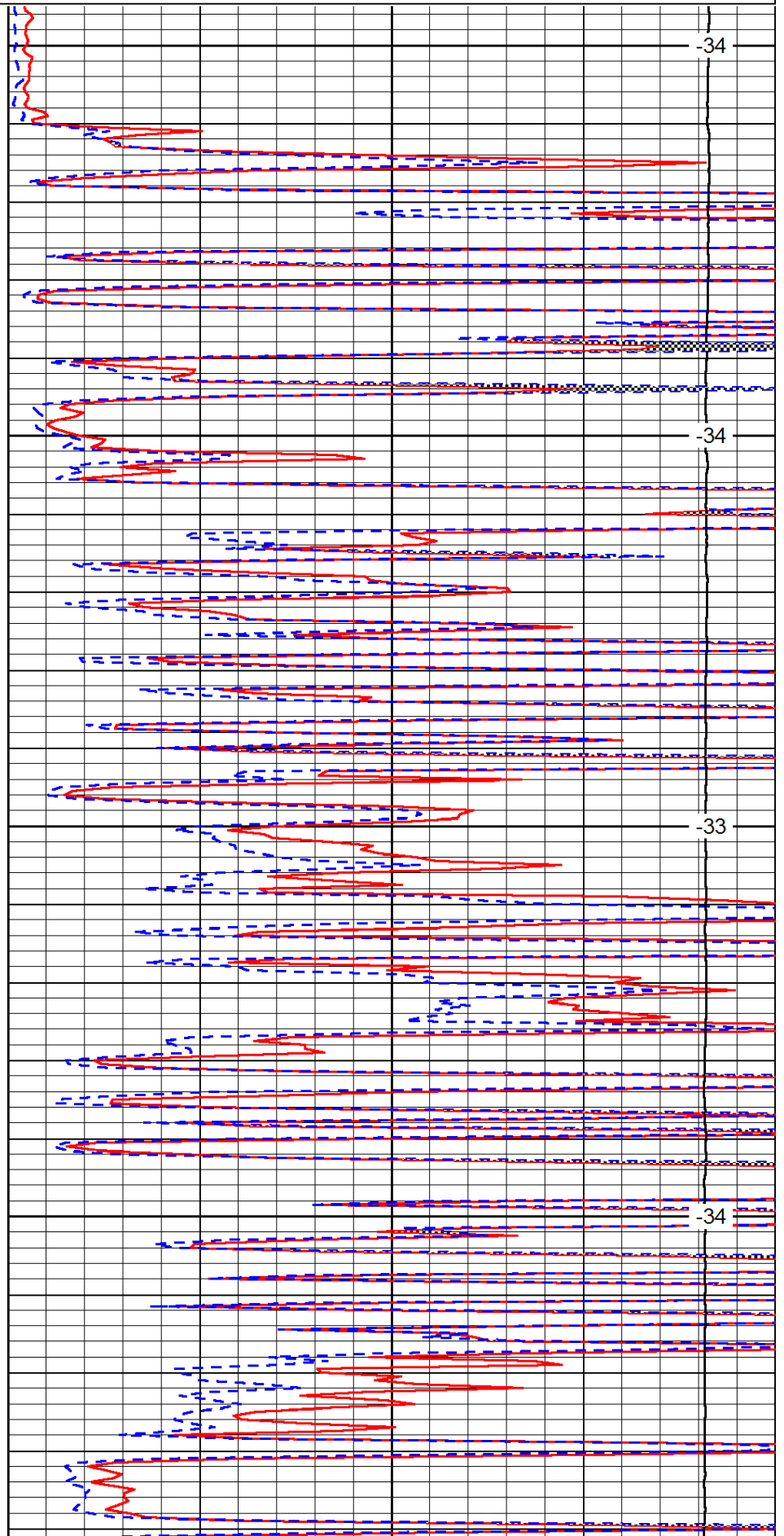
Copeland, North to 144 Highway, 1/2 West, North Into

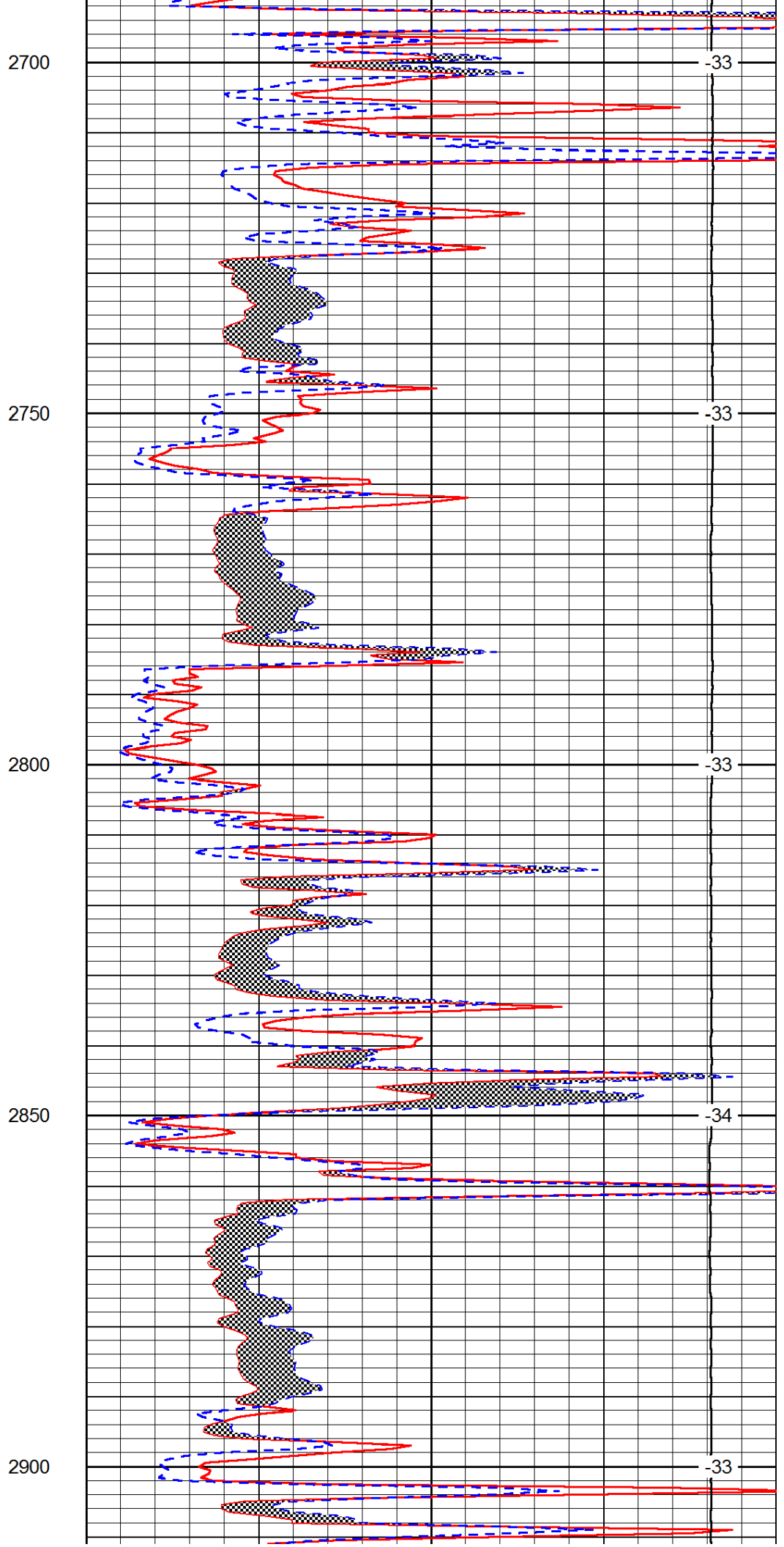
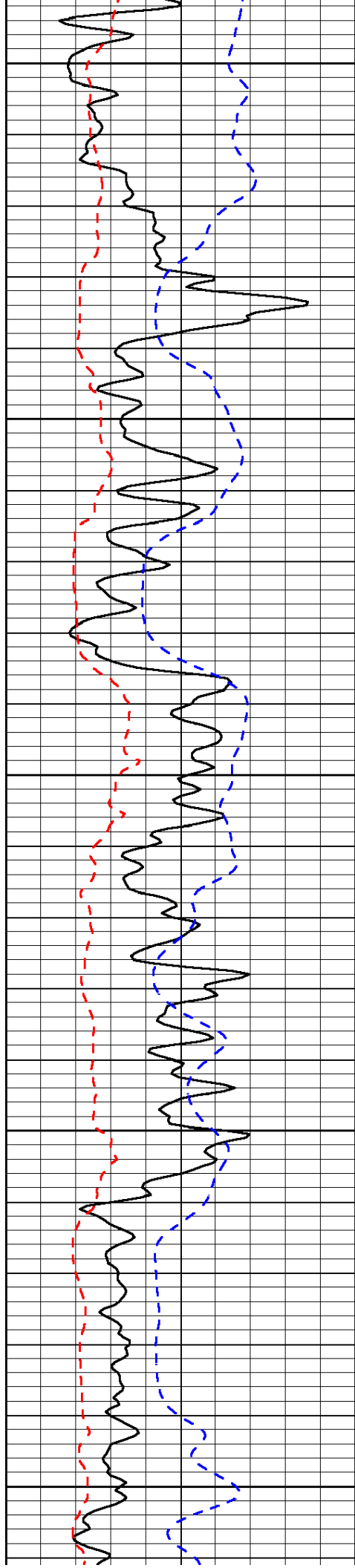
Database File: c:\warrior\data\falcon_james koehn #2-31 (nw)\falcon_jameskoehn_2-31nw.d
Dataset Pathname: dil/falcstck
Presentation Format: micro
Dataset Creation: Sat Jan 12 12:36:08 2013
Charted by: Depth in Feet scaled 1:240

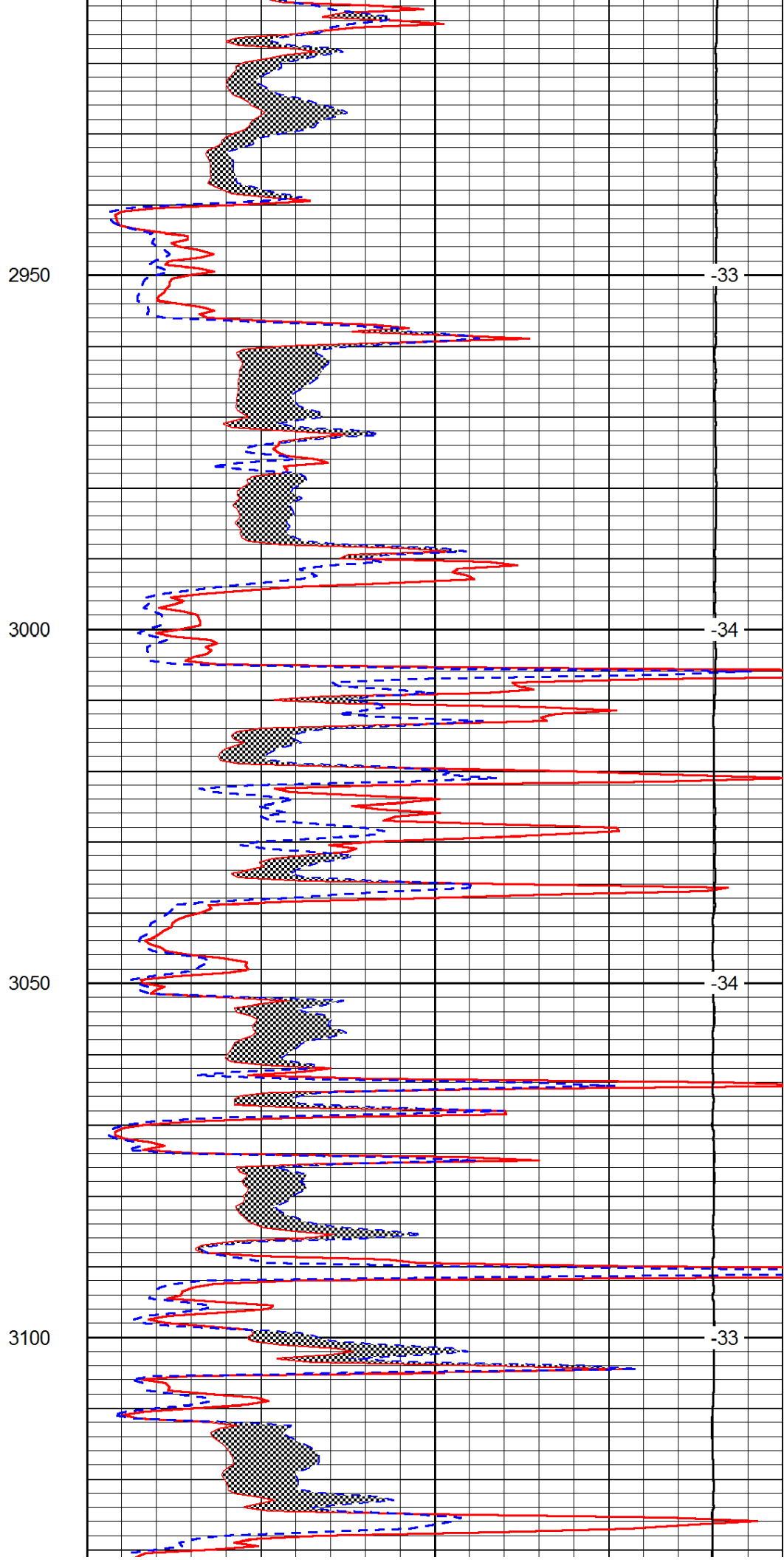
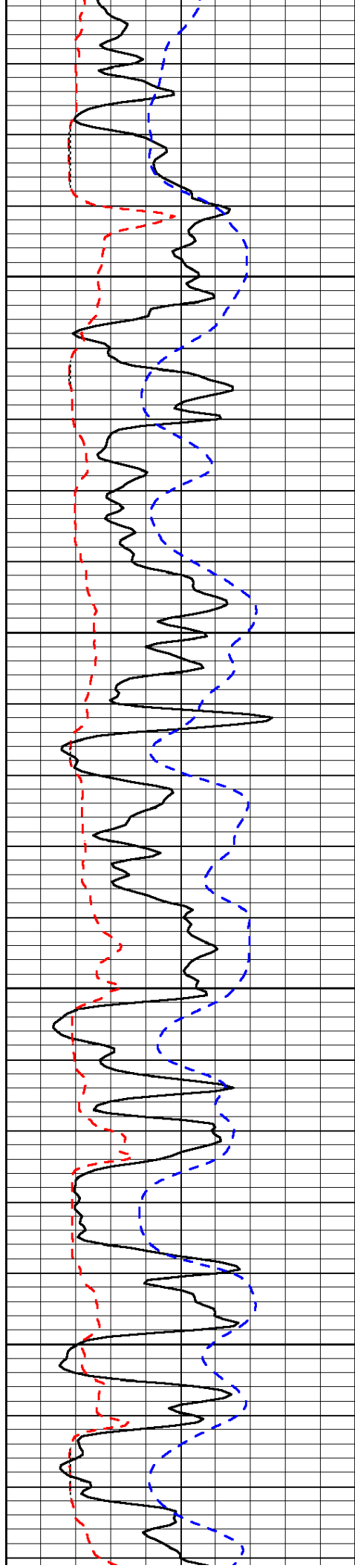
Charted by: Depth in Feet scaled 1:2.15		
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

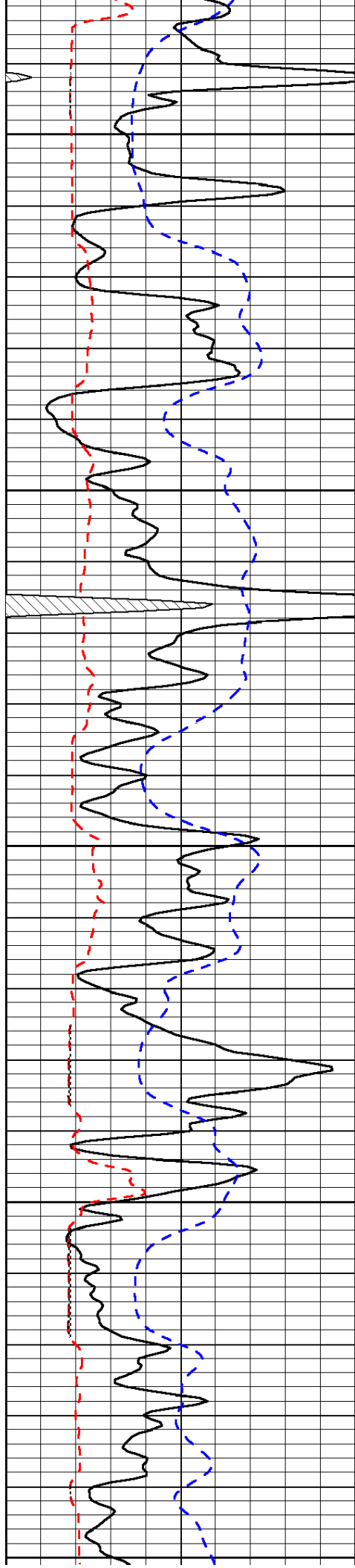


0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0









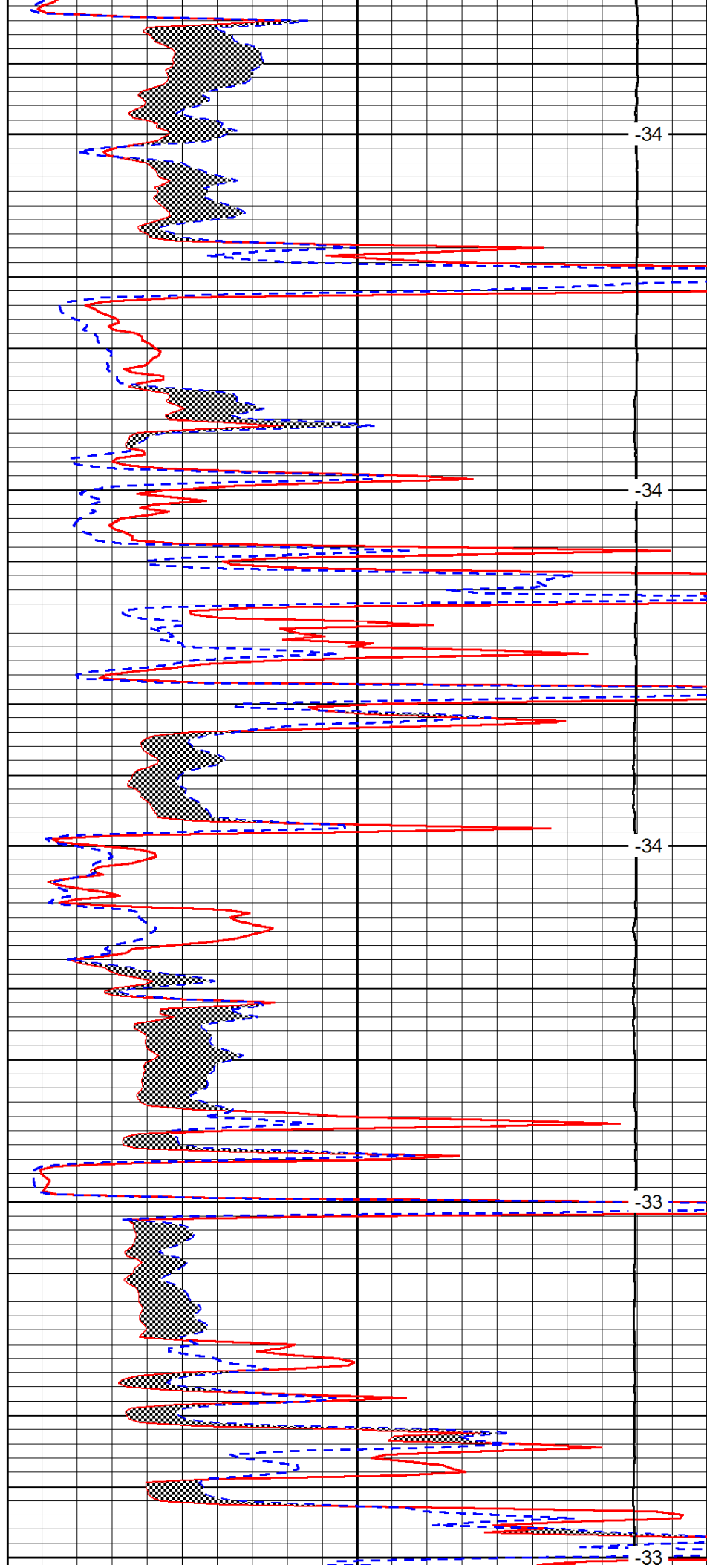
3150

3200

3250

3300

3350



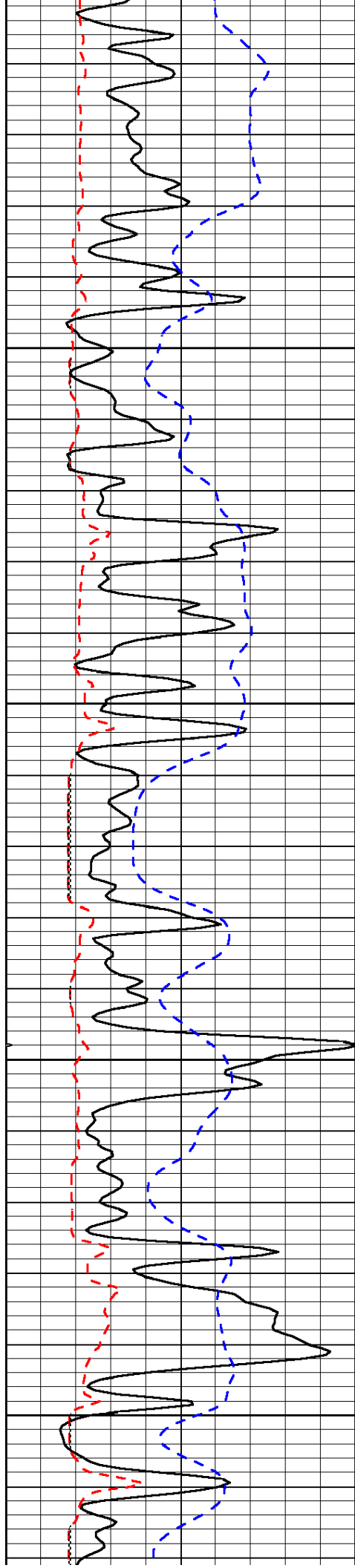
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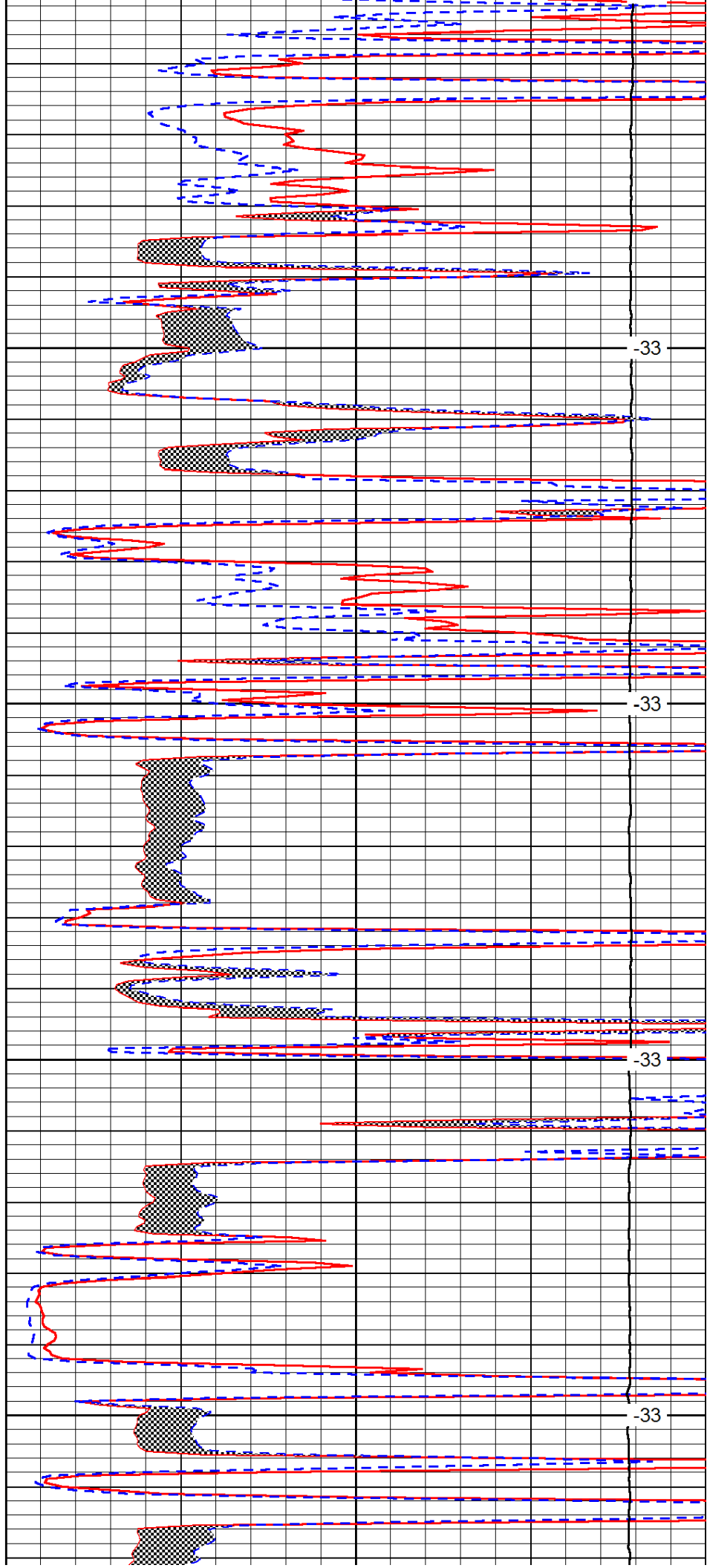


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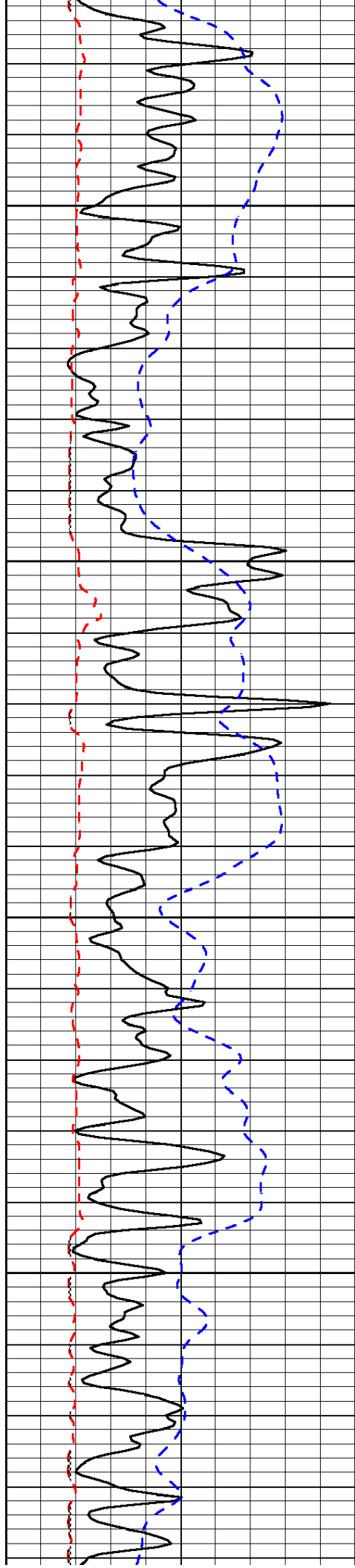


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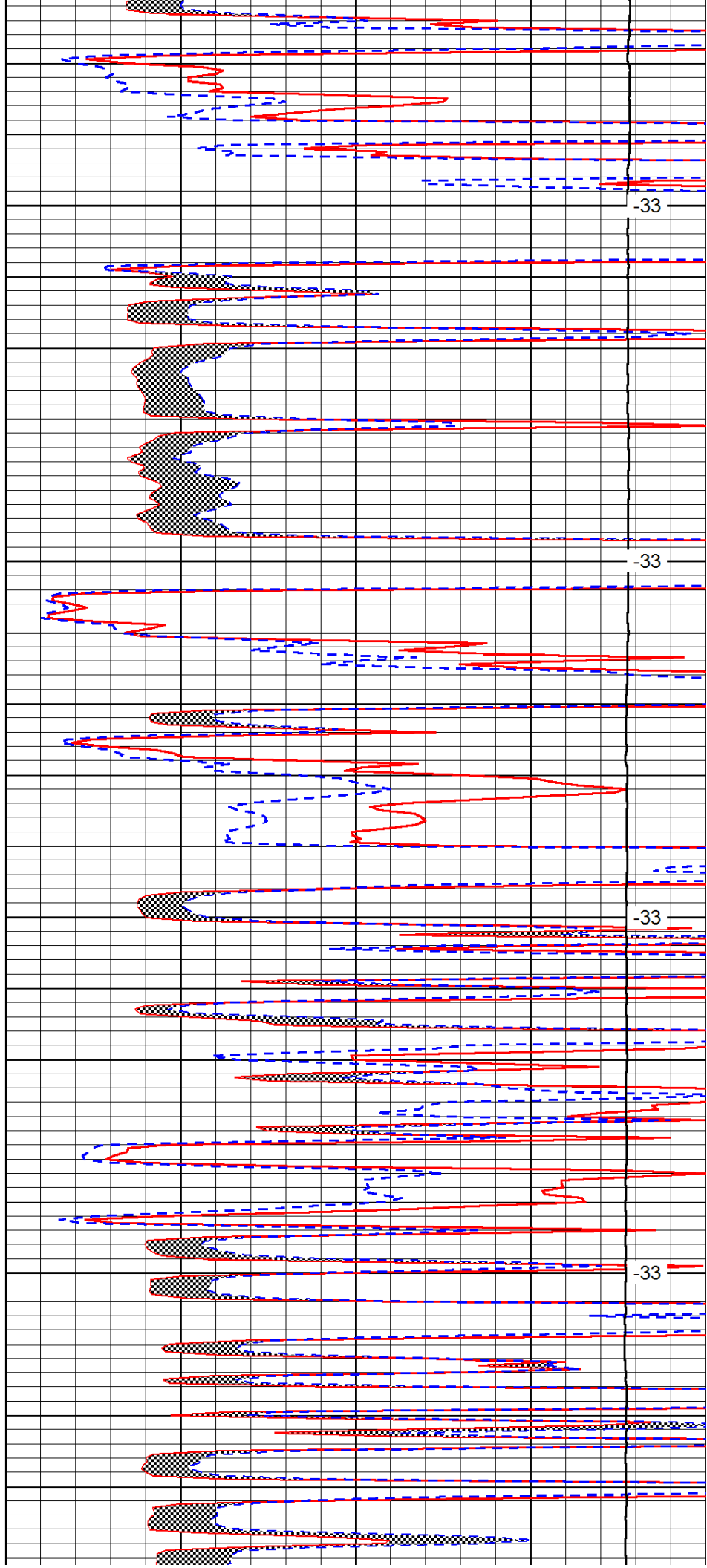


3600

3650

3700

3750

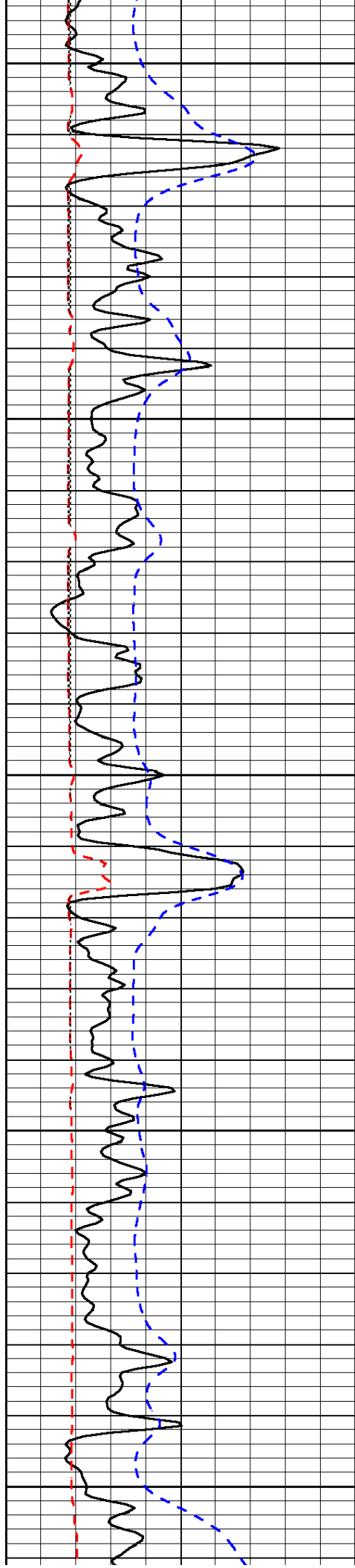


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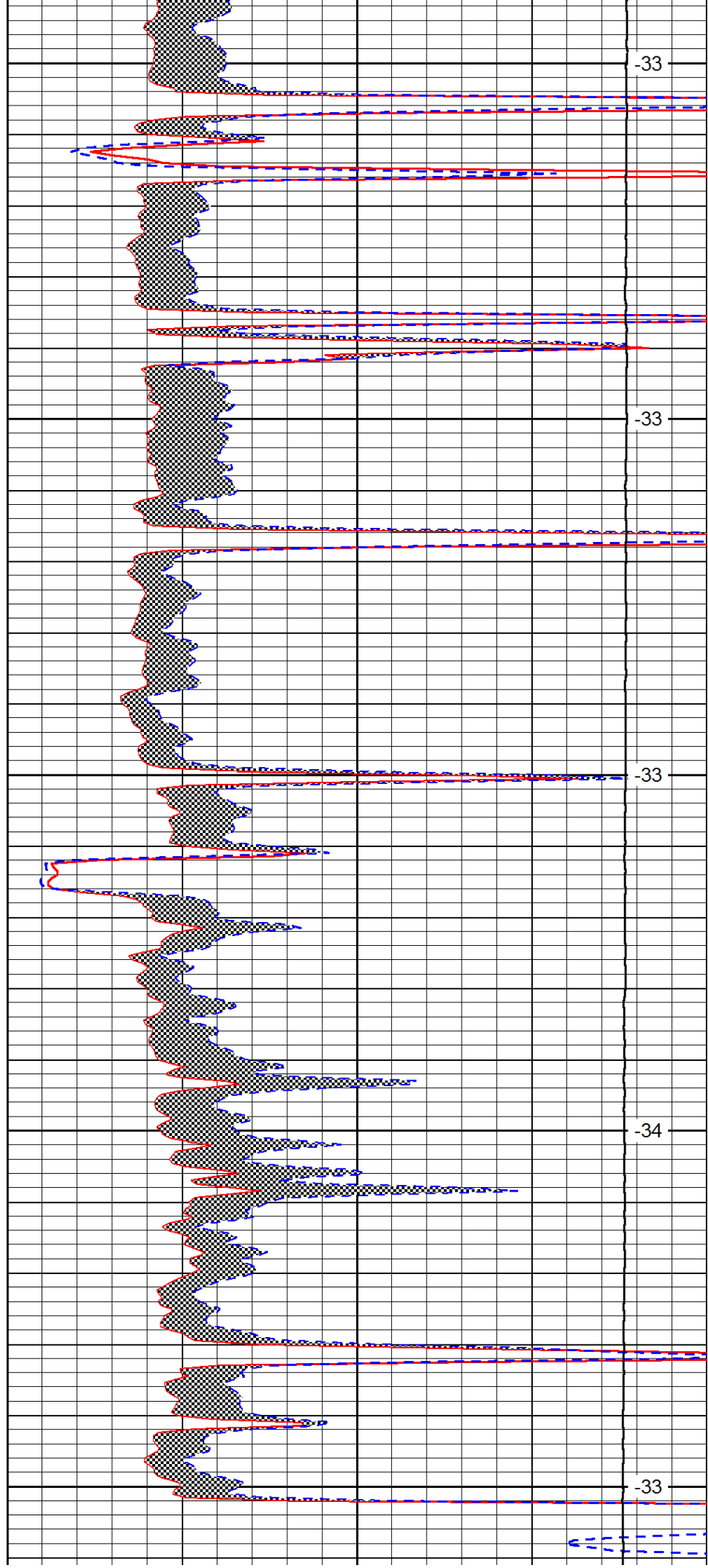
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3850

3900

3950

4000



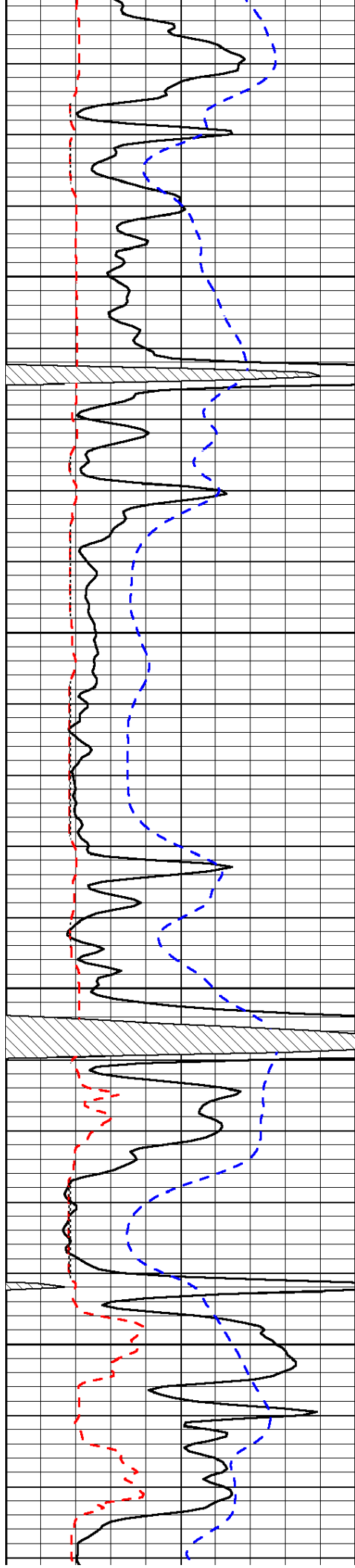
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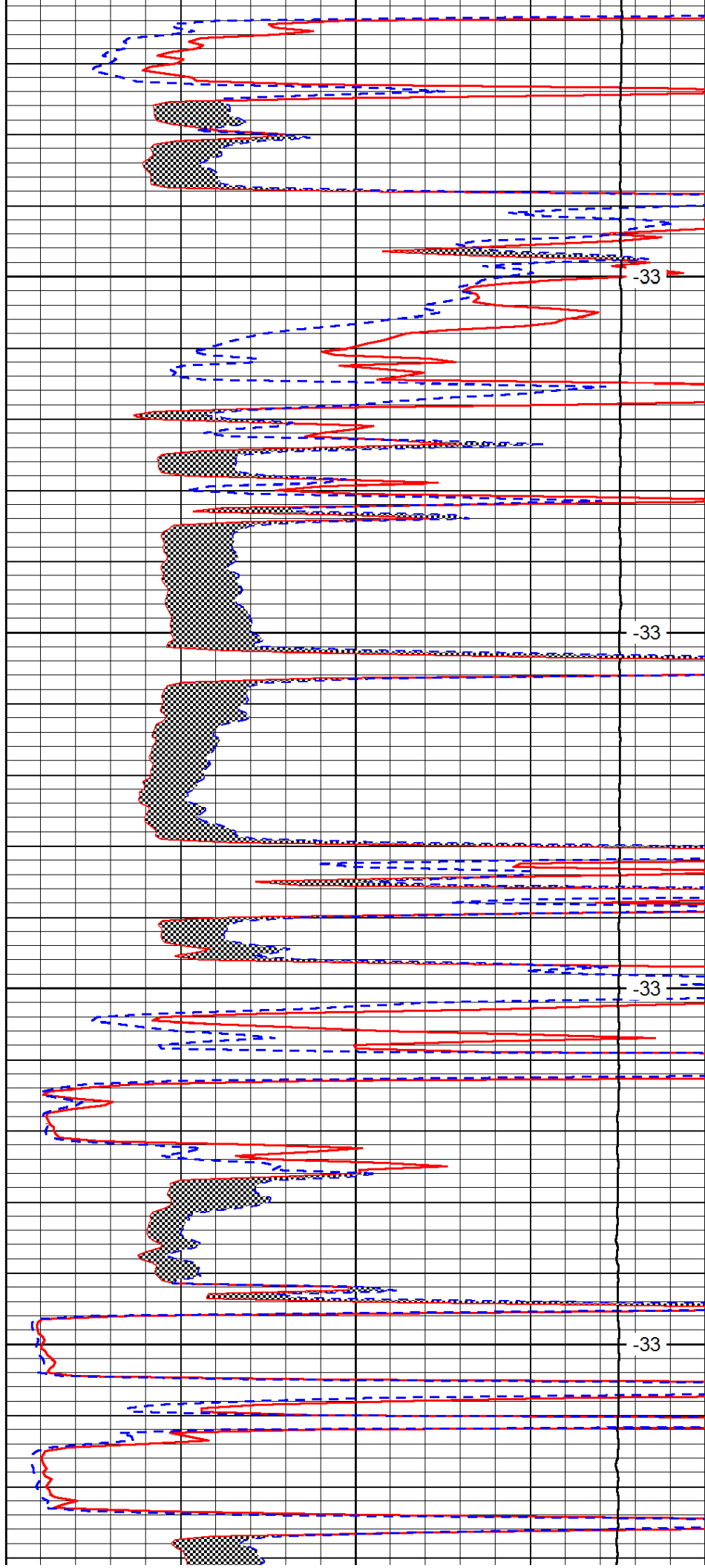


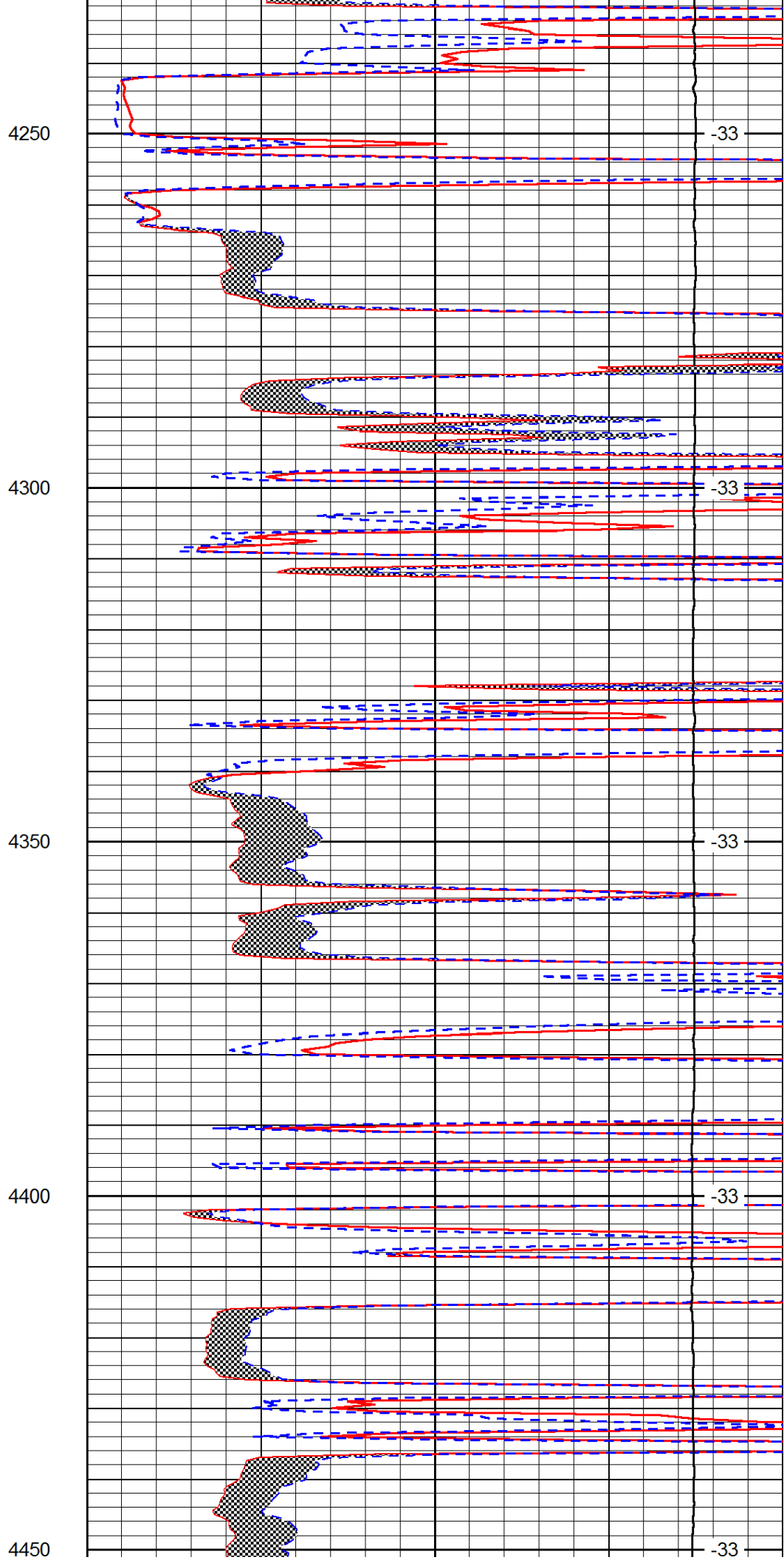
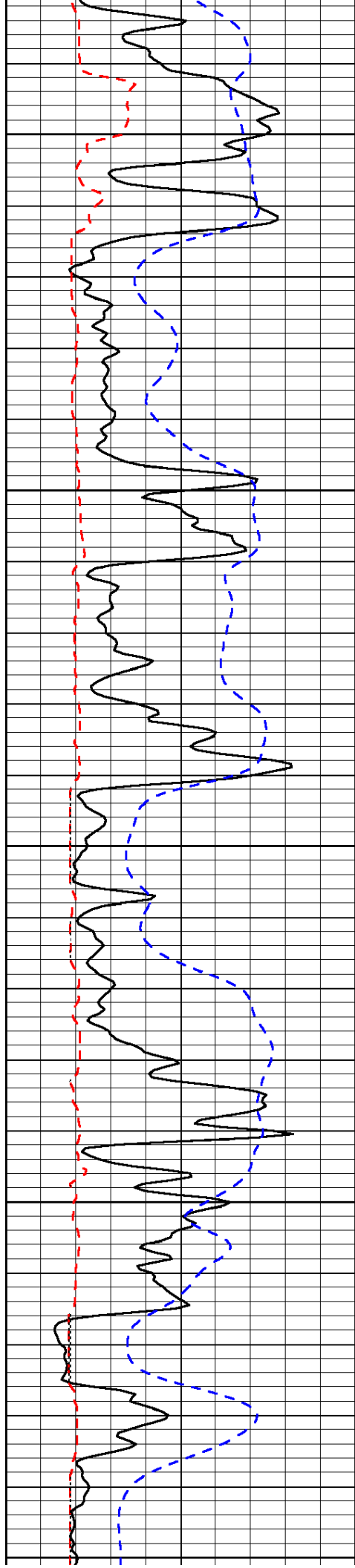
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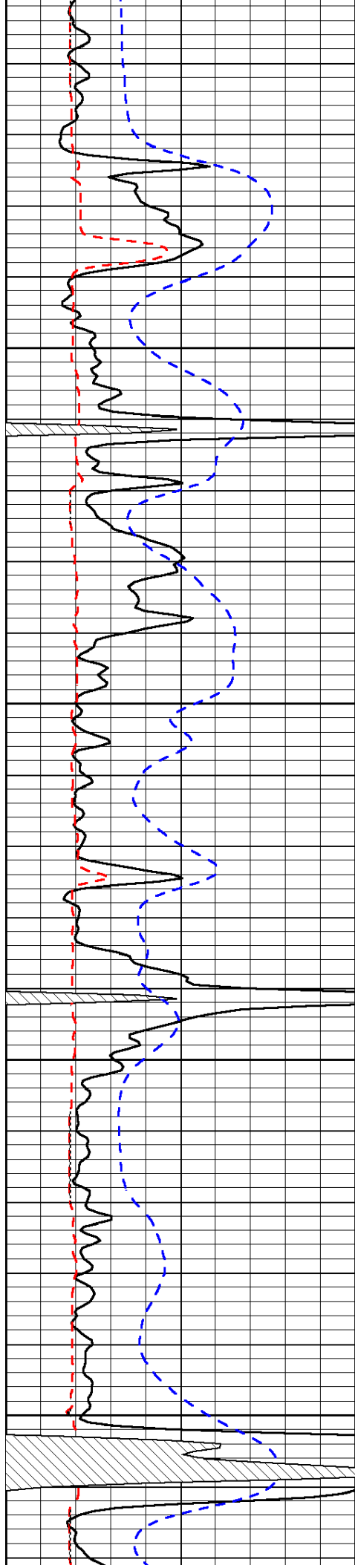
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4200





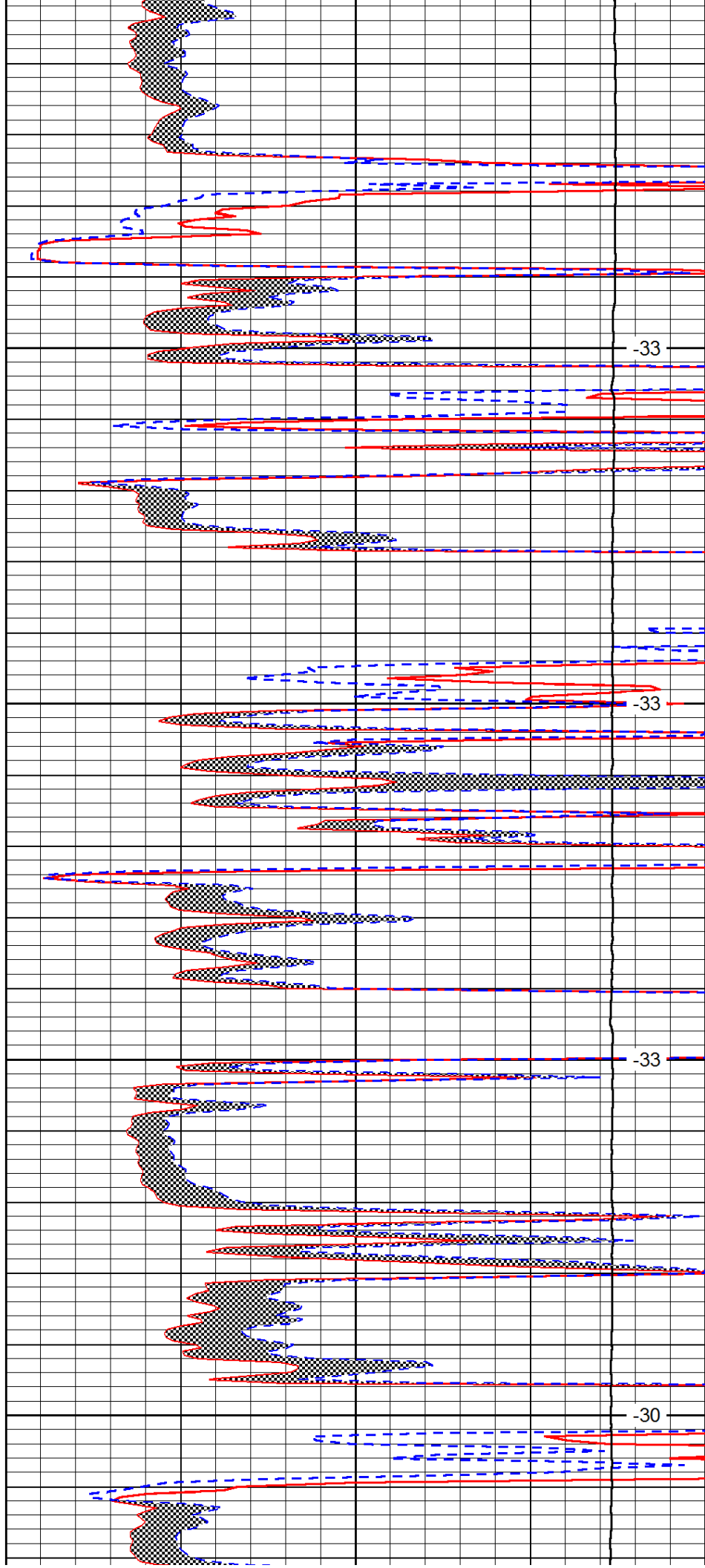


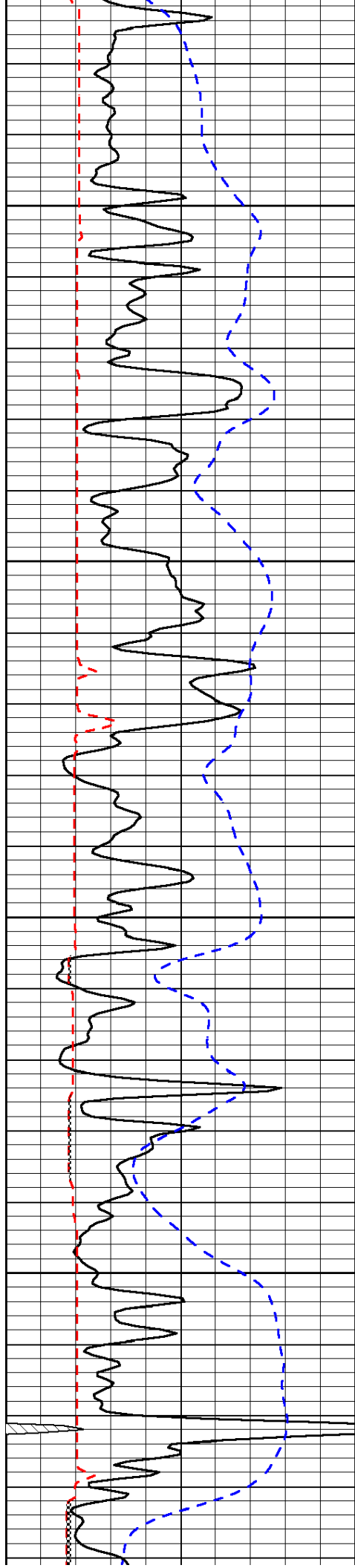
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4550

4600

4650



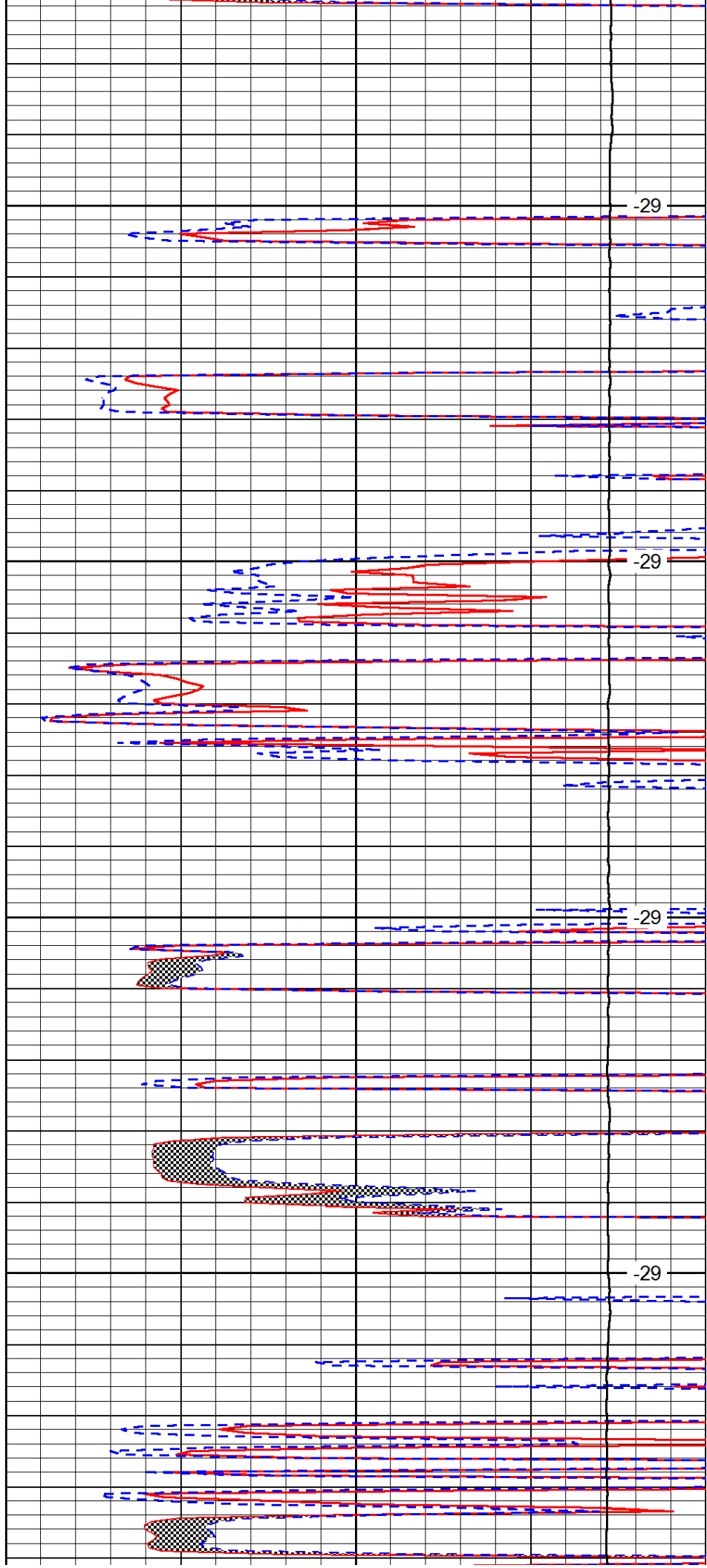


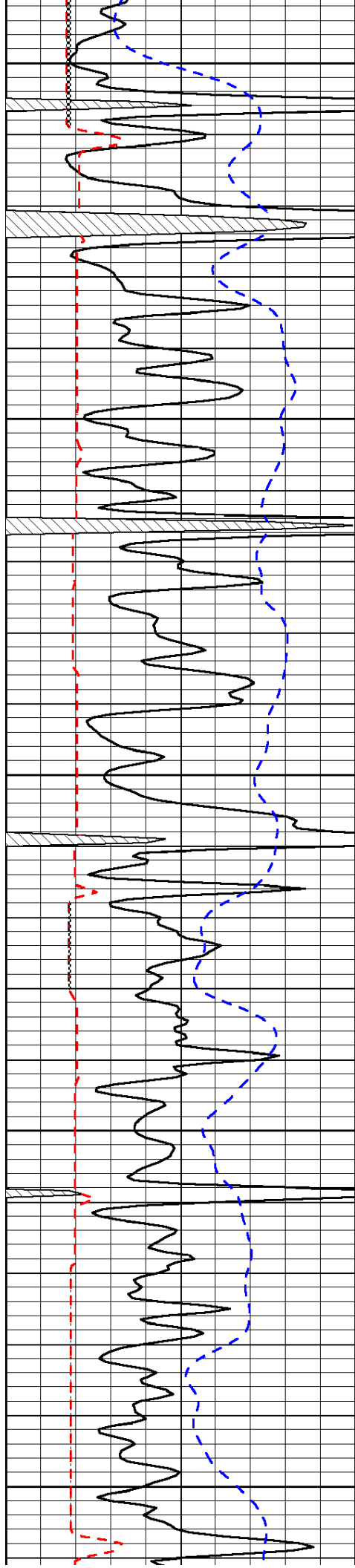
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4750

4800

4850





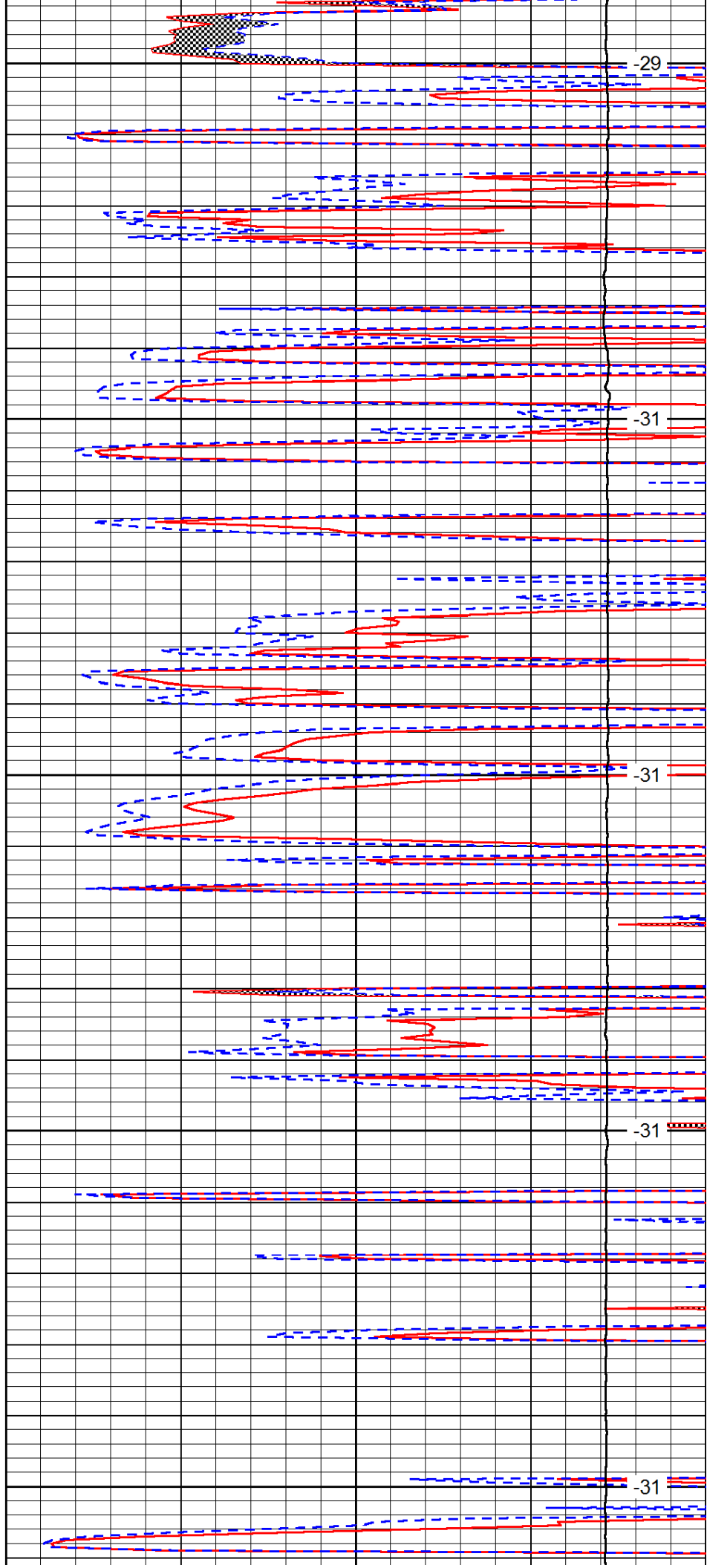
4900

4950

5000

5050

5100



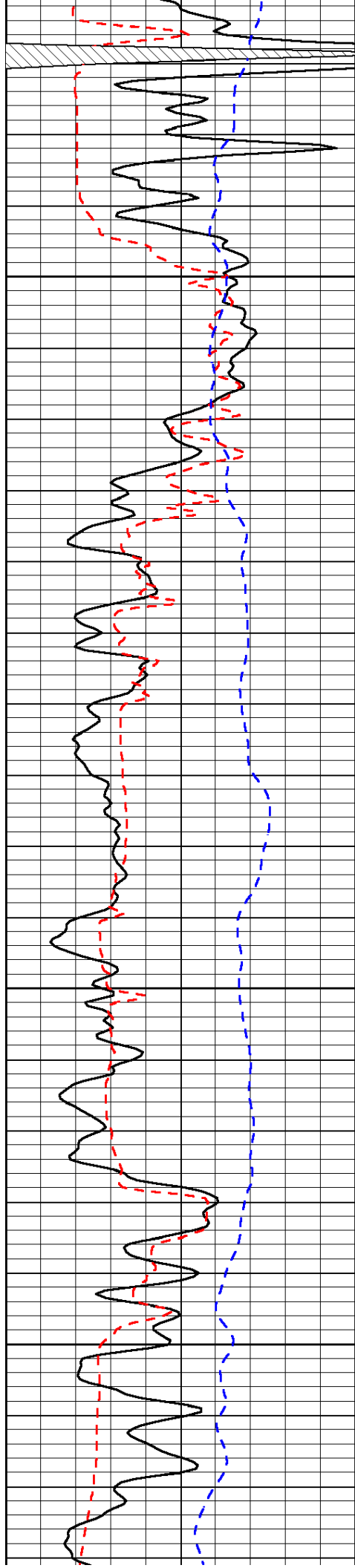
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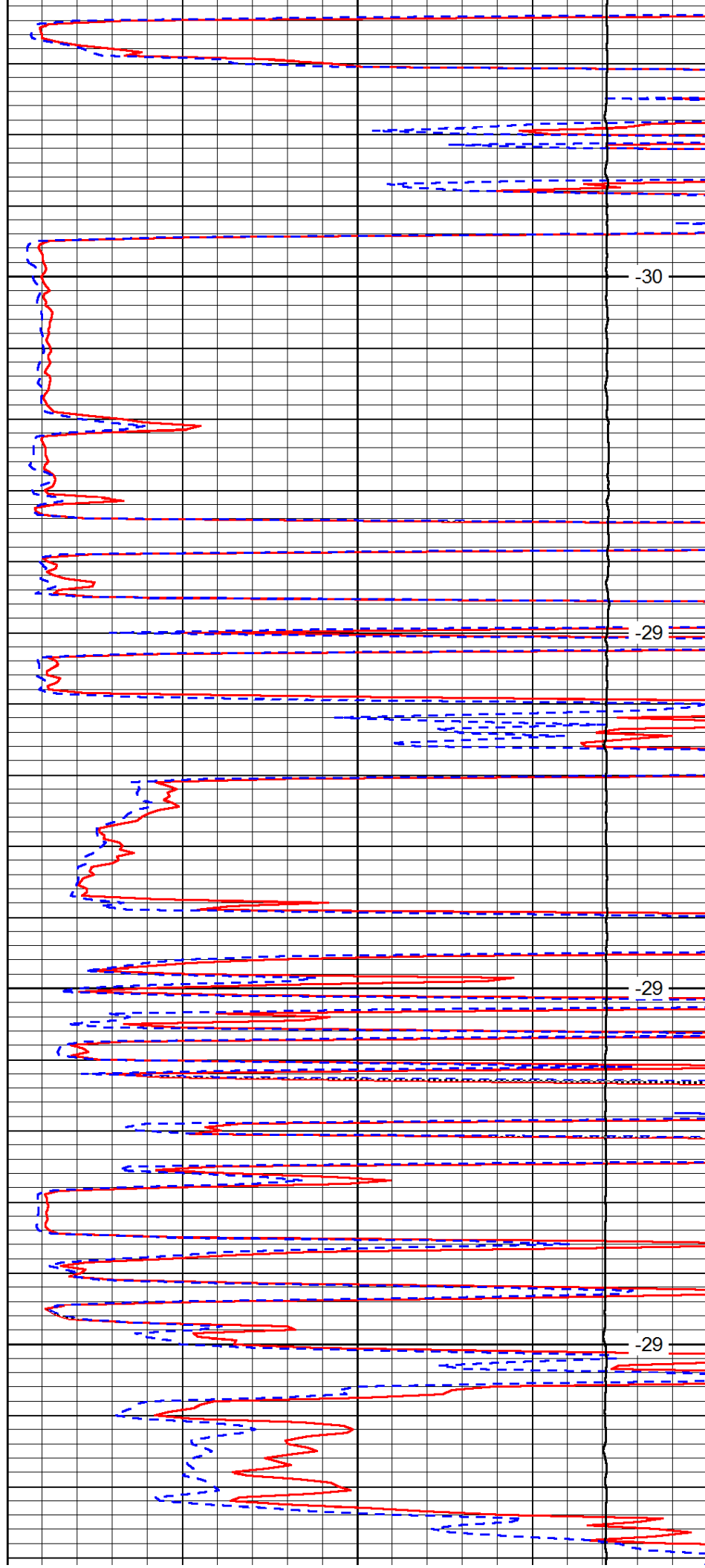


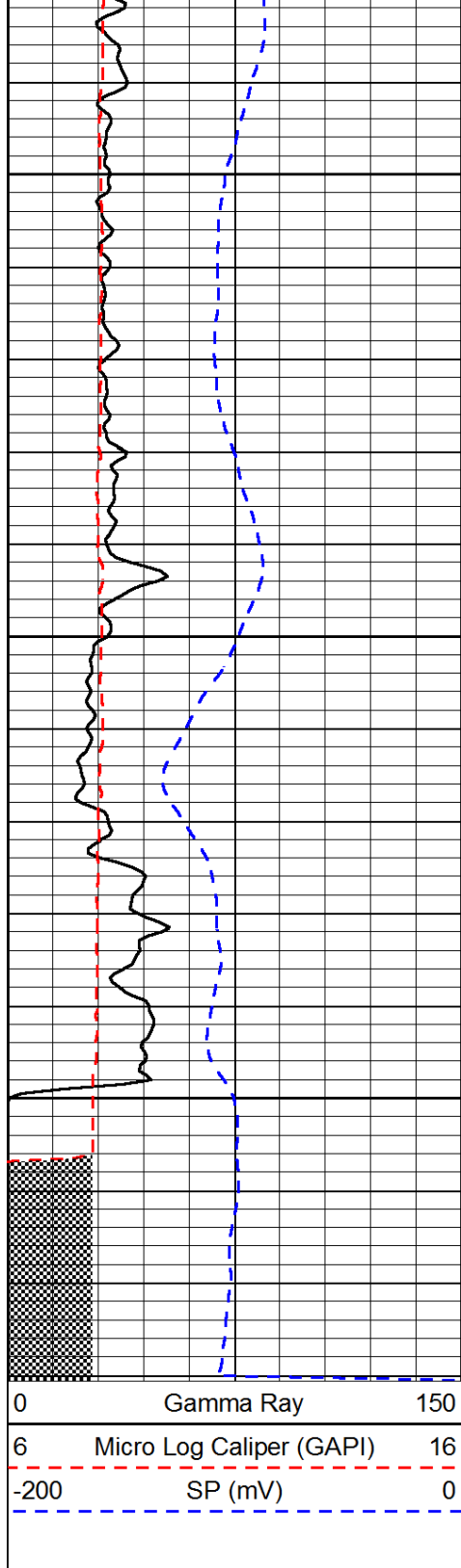
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5300

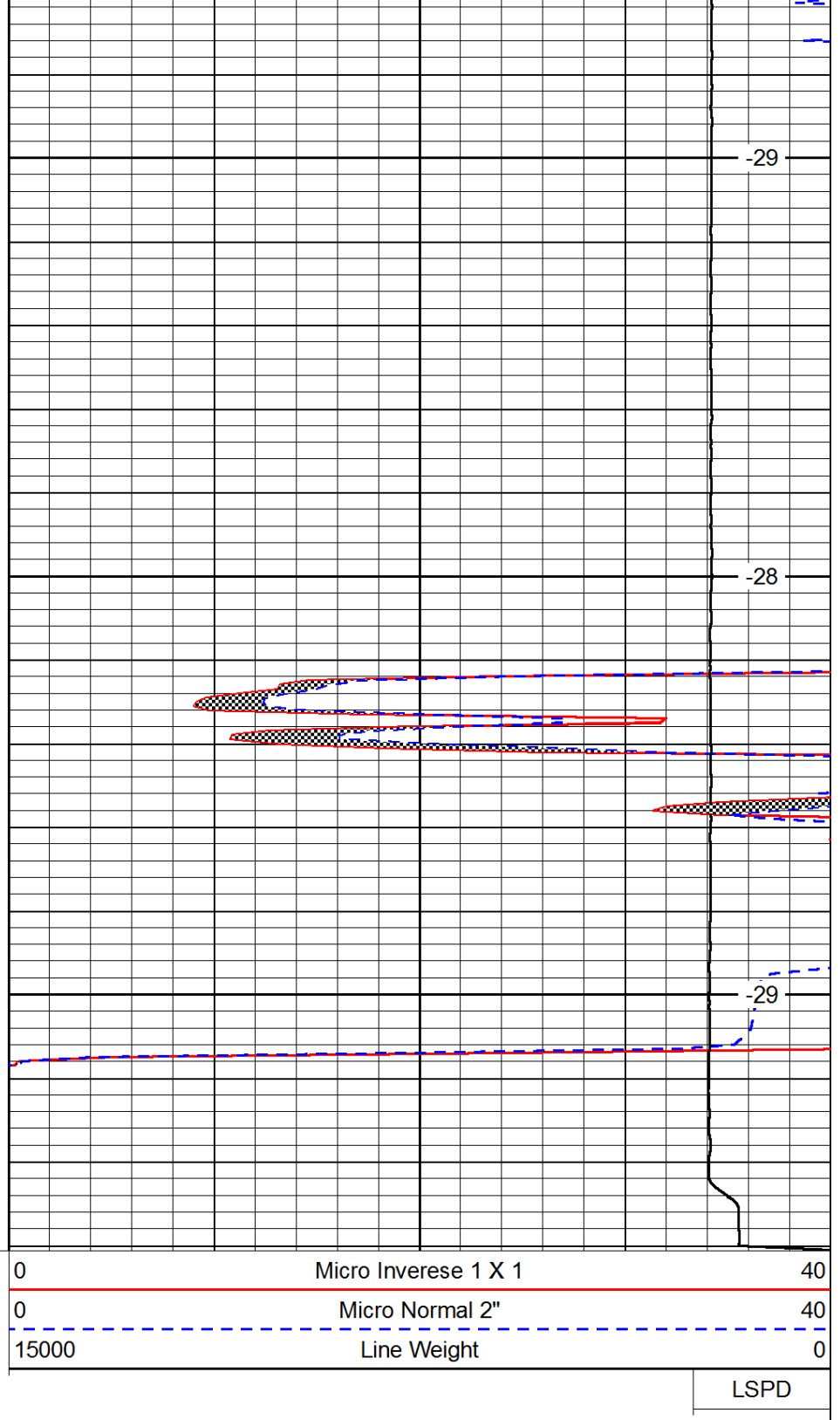




5350

5400

5450



-29

-28

-29