



Pioneer Energy Services

# Microresistivity Log

15-015-24,001-00-00

API No.

Company **Vess Oil Corporation**  
 Well **Wilson A #449**  
 Field **El Dorado**  
 County **Butler** State **Kansas**

Location  
 NE SE NW NW  
 950' FNL & 1265' FWL

Sec: **9** Twp: **25S** Rge: **5E**

Other Services  
 CNL/CDL  
 DIL

Permanent Datum Ground Level Elevation 1363  
 Log Measured From Kelly Bushing 6 Ft. Above Perm. Datum  
 Drilling Measured From Kelly Bushing

Elevation  
 K.B. 1369  
 D.F.  
 G.L. 1363

Date	11/3/2013
Run Number	Three
Depth Driller	2443
Depth Logger	2443
Bottom Logged Interval	2442
Top Log Interval	250
Casing Driller	8.625 @ 253
Casing Logger	260
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	900
Density / Viscosity	9.3 49
pH / Fluid Loss	8.5 9.4
Source of Sample	Flowline
Rm @ Meas. Temp	2.2 @ 63
Rmf @ Meas. Temp	1.65 @ 63
Rmc @ Meas. Temp	2.97 @ 63
Source of Rmf / Rmc	Charts
Rm @ BHT	1.38 @ 100
Operating Rig Time	5 Hours
Max Rec. Temp. F	100
Equipment Number	15
Location	Hays
Recorded By	D Kerr
Witnessed By	Roger Martin

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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.pioneerenergy.com](http://www.pioneerenergy.com)  
 785 625 3858

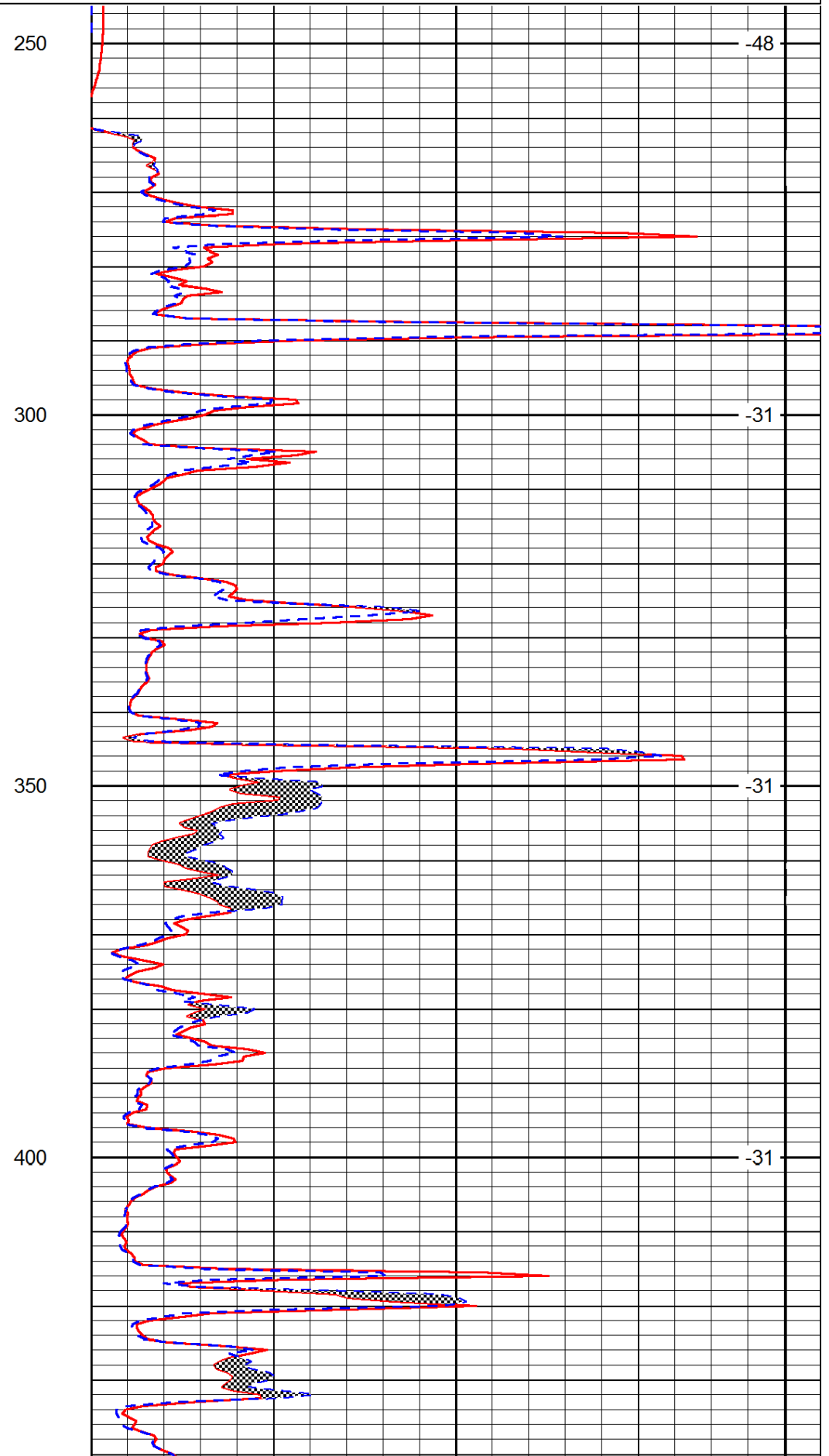
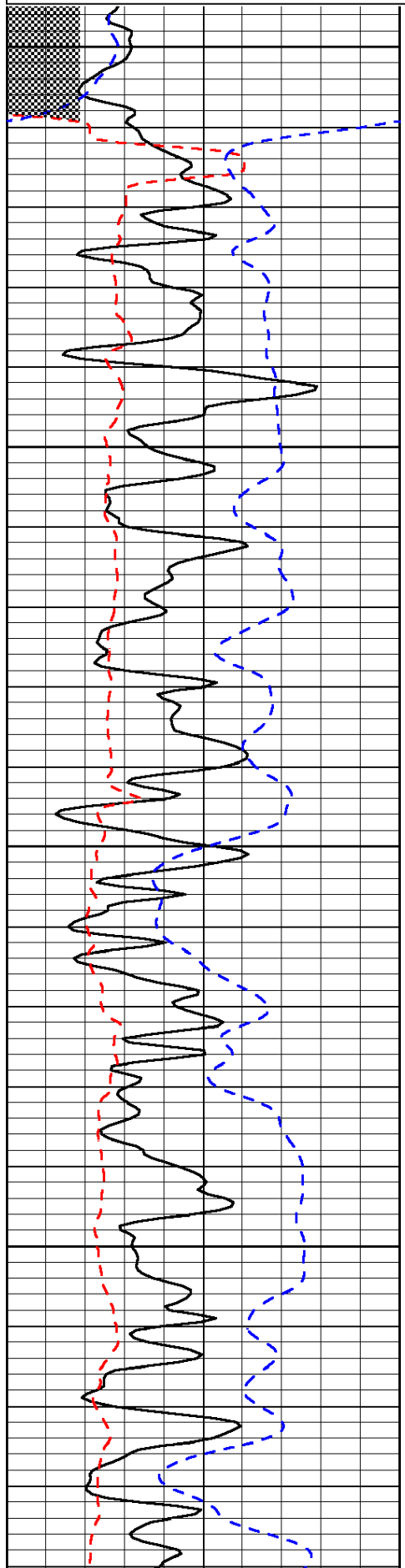
Potwin KS, East and South to 40RD,  
 2 East, 1/2 North at Cattle Guard, East Into

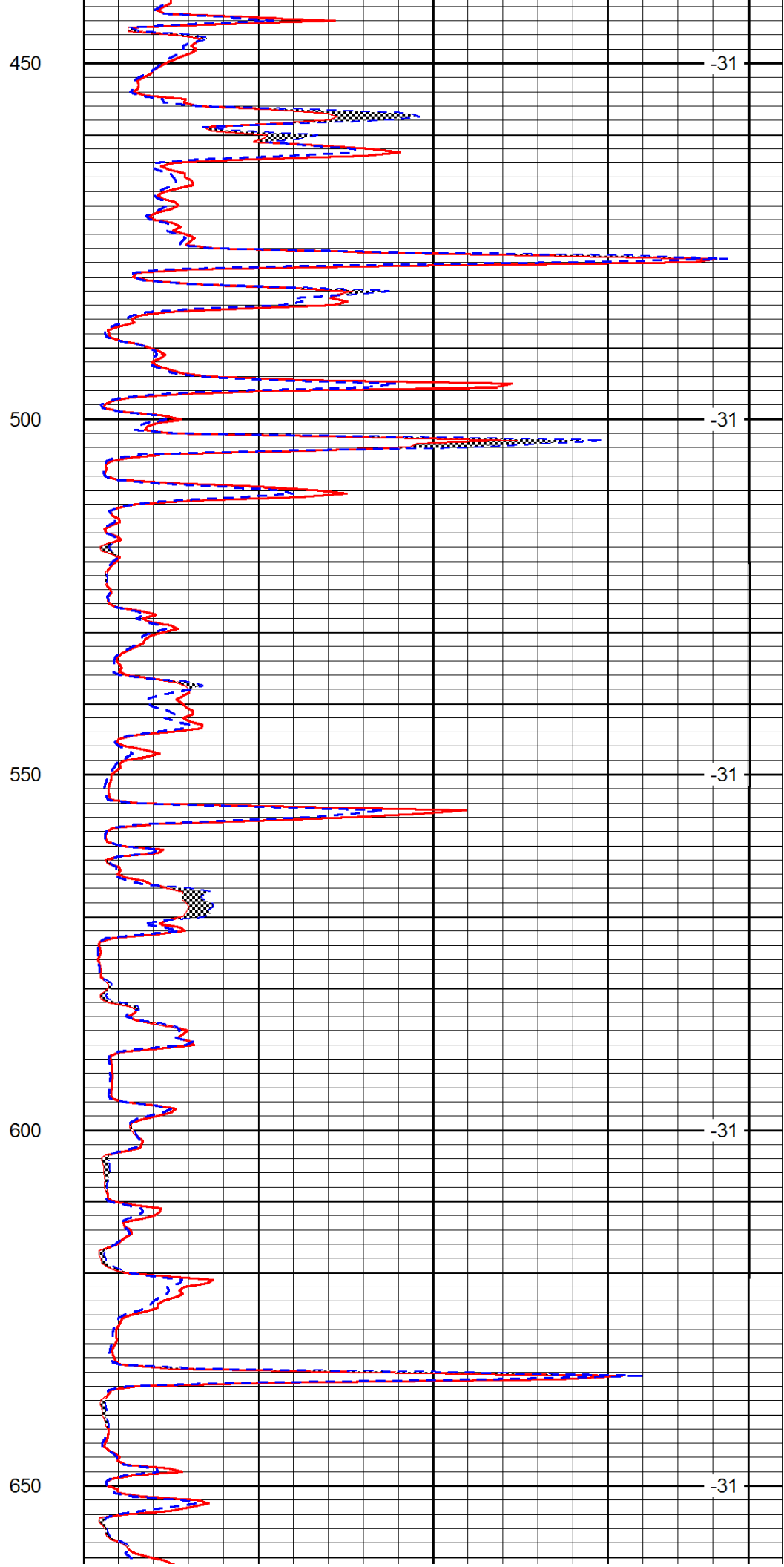
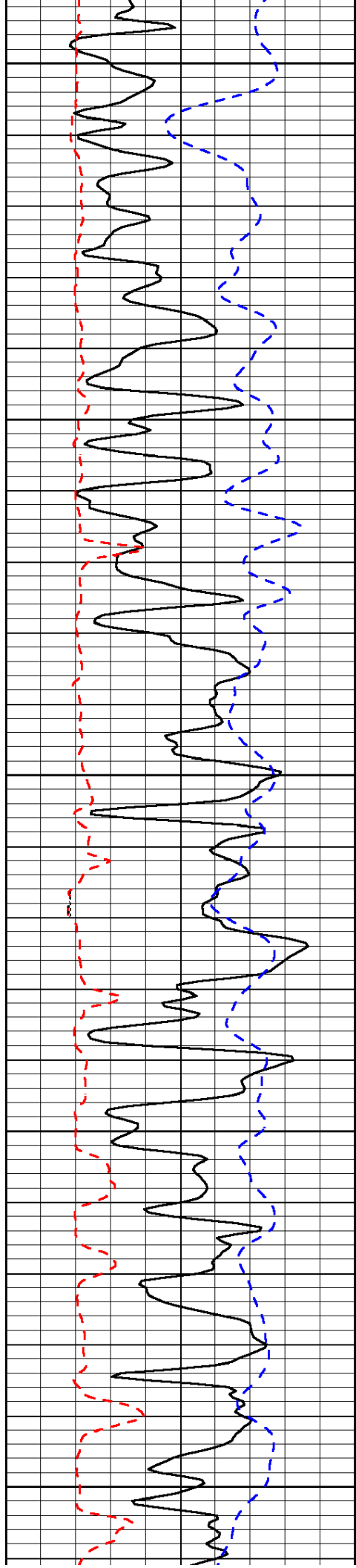
Database File: c:\warrior\data\vess\_wilson a #449\vess\_wilson\_a\_449hd.db  
 Dataset Pathname: DIL\vessstk  
 Presentation Format: micro  
 Dataset Creation: Sun Nov 03 04:48:18 2013  
 Charted by: Depth in Feet scaled 1:240

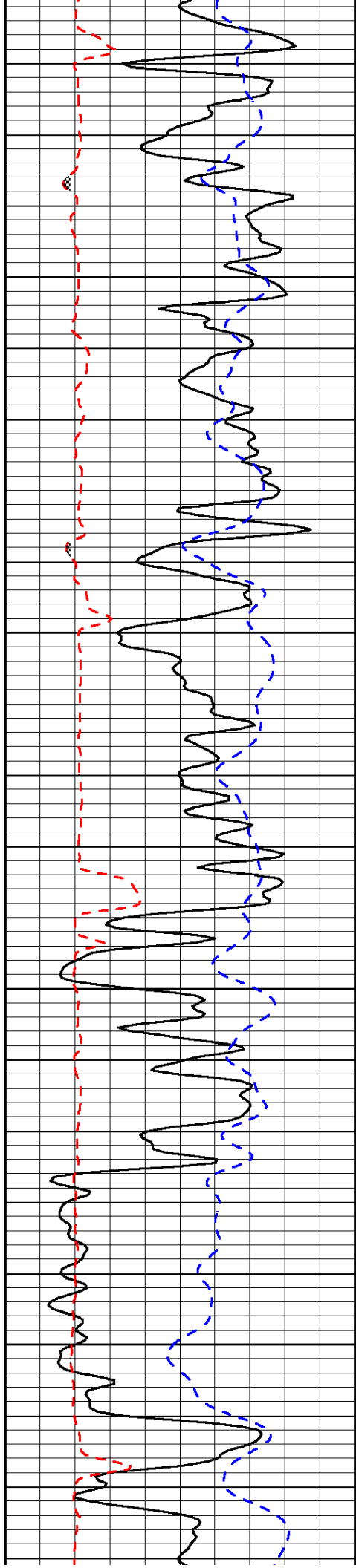
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

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

LSPD





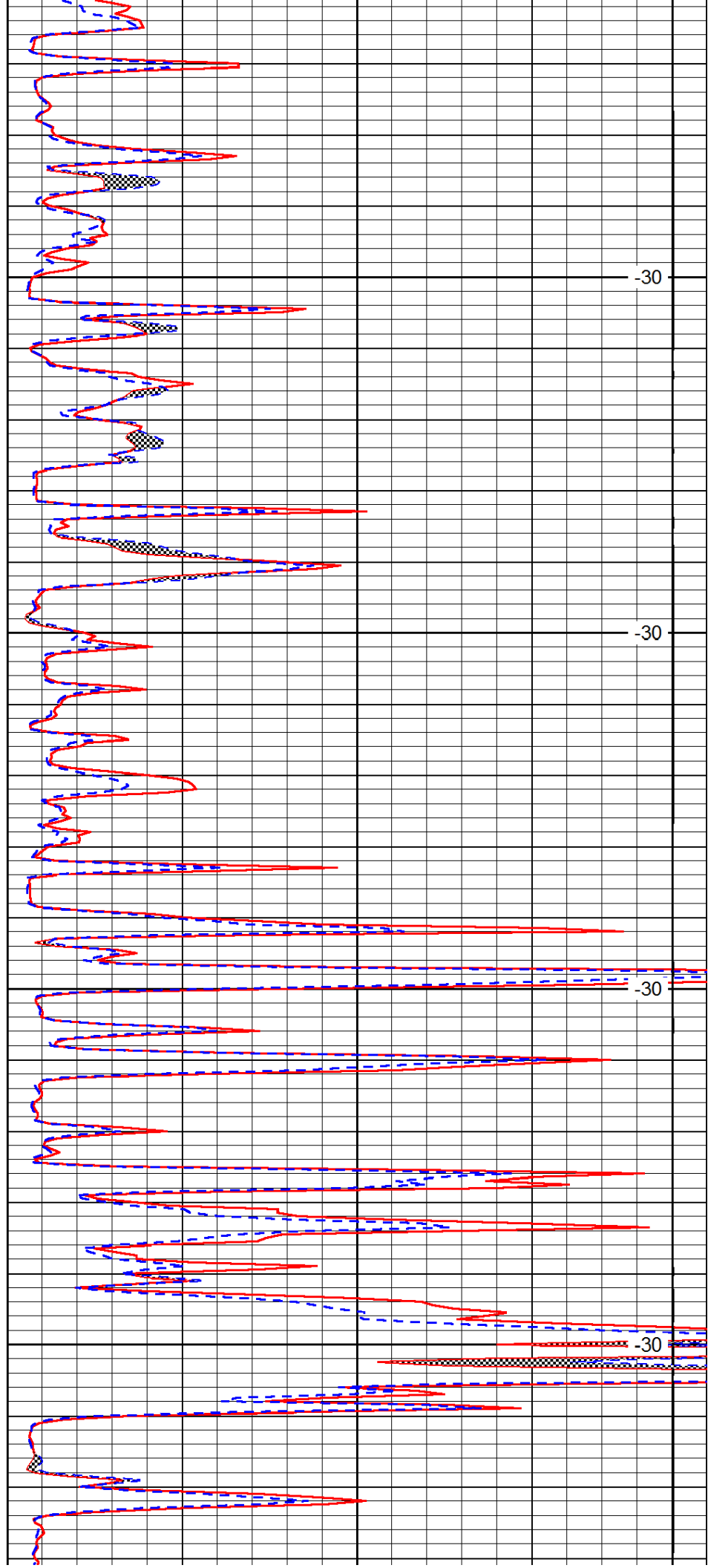


700

750

800

850

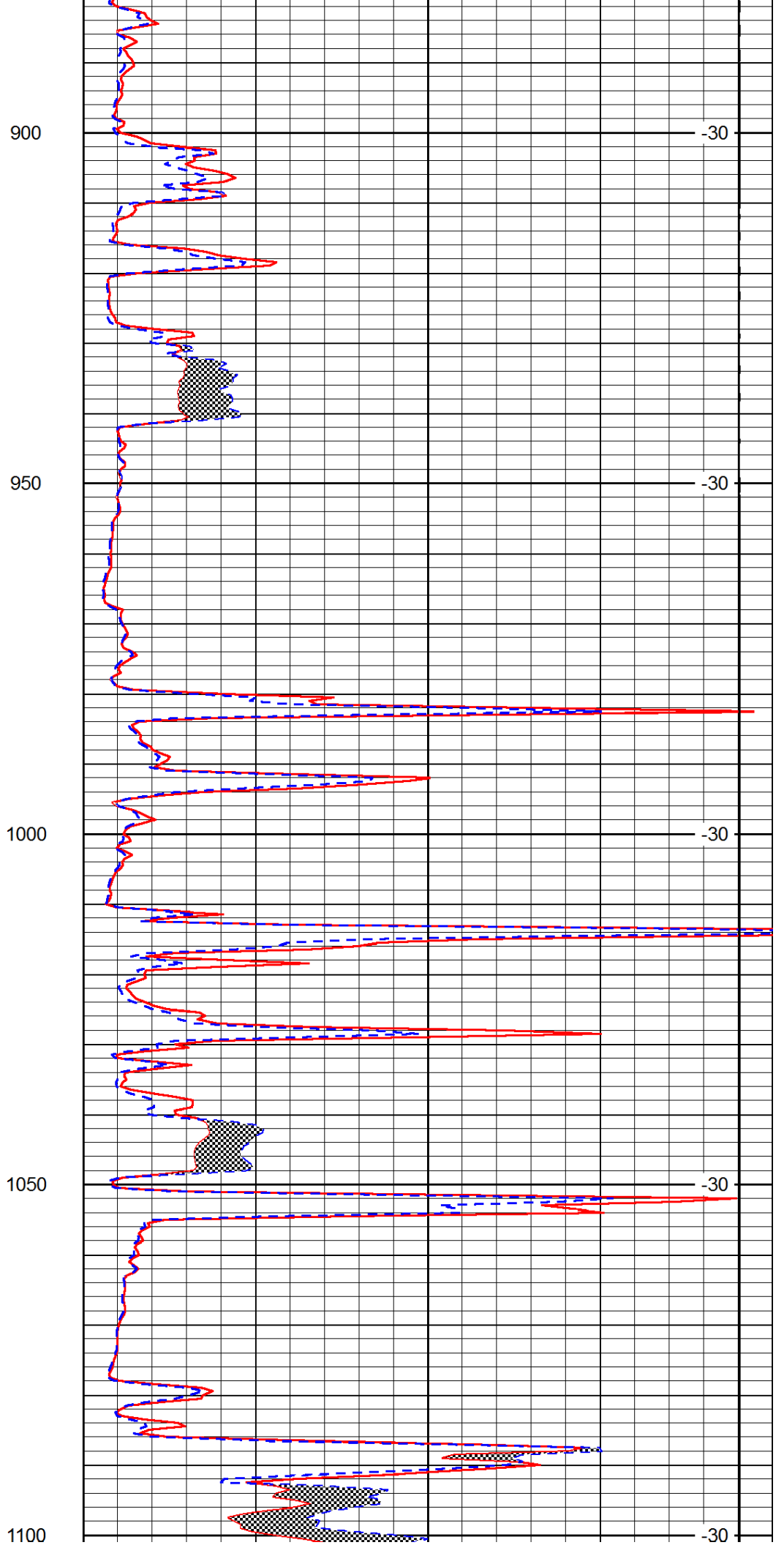
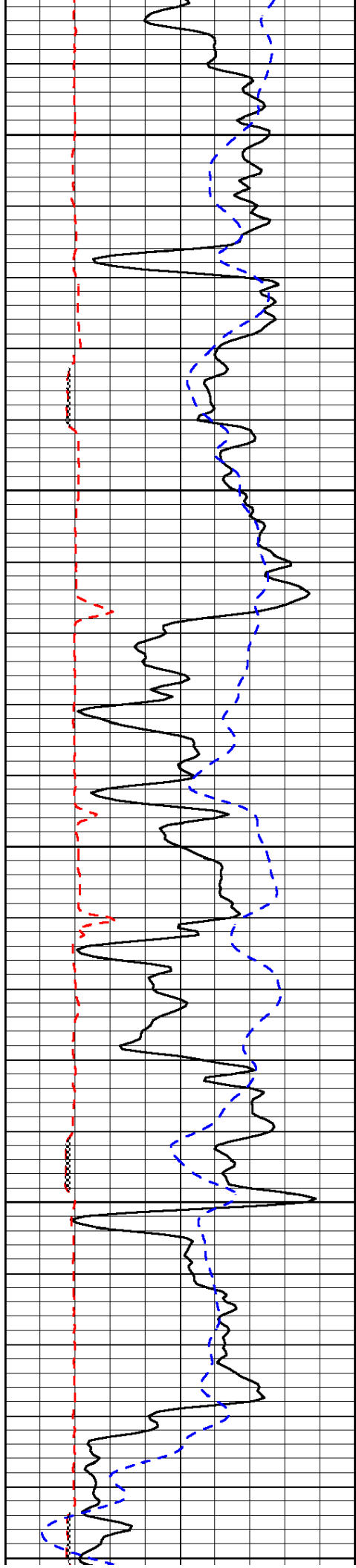


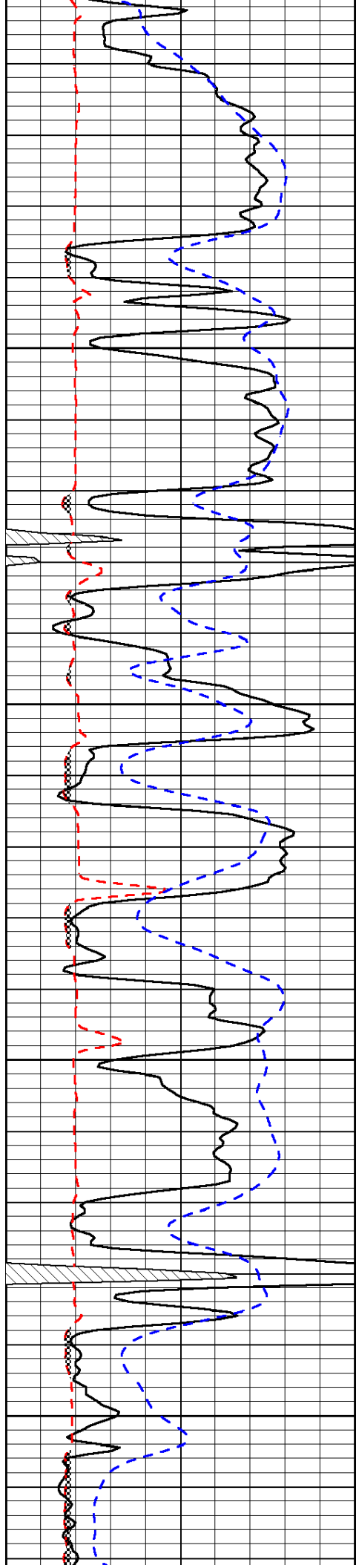
-30

-30

-30

-30



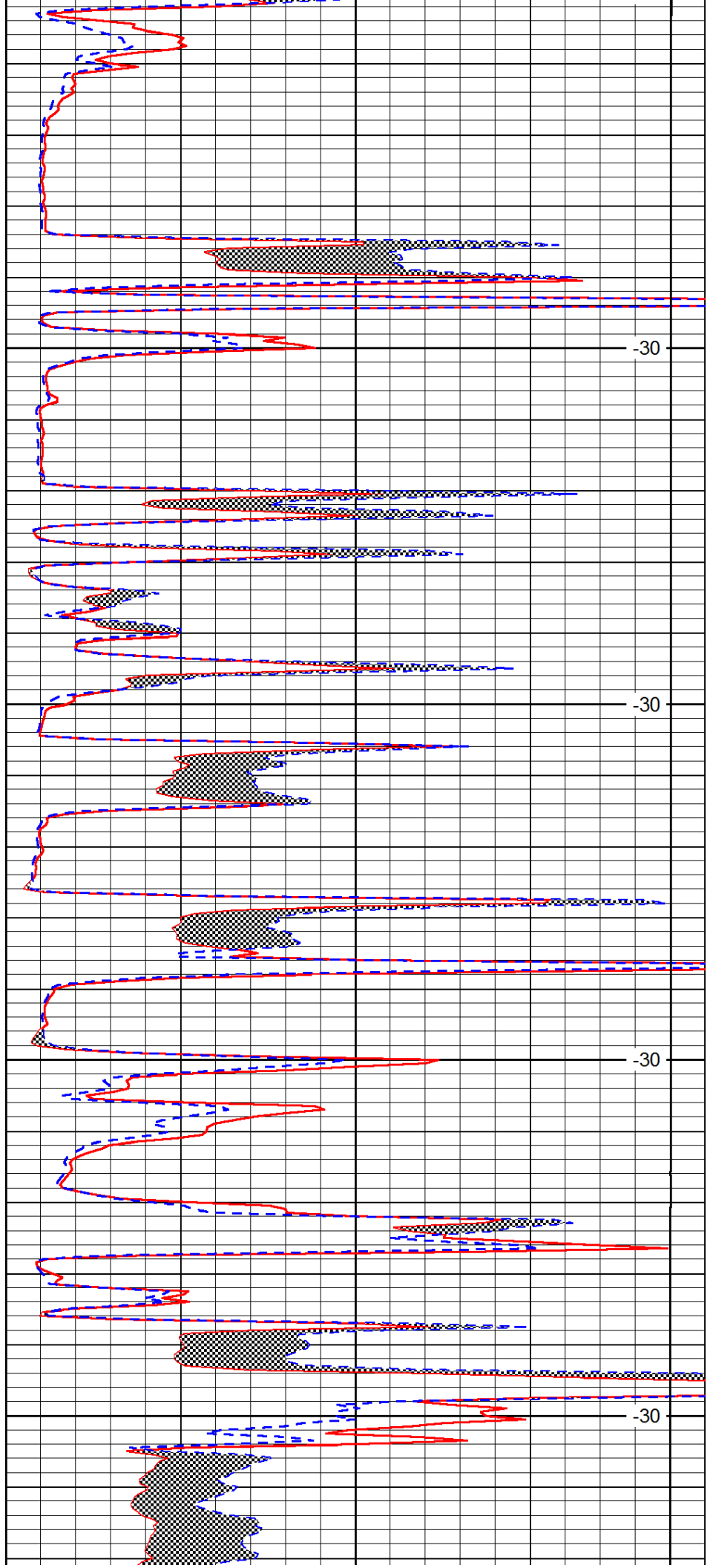


1150

1200

1250

1300

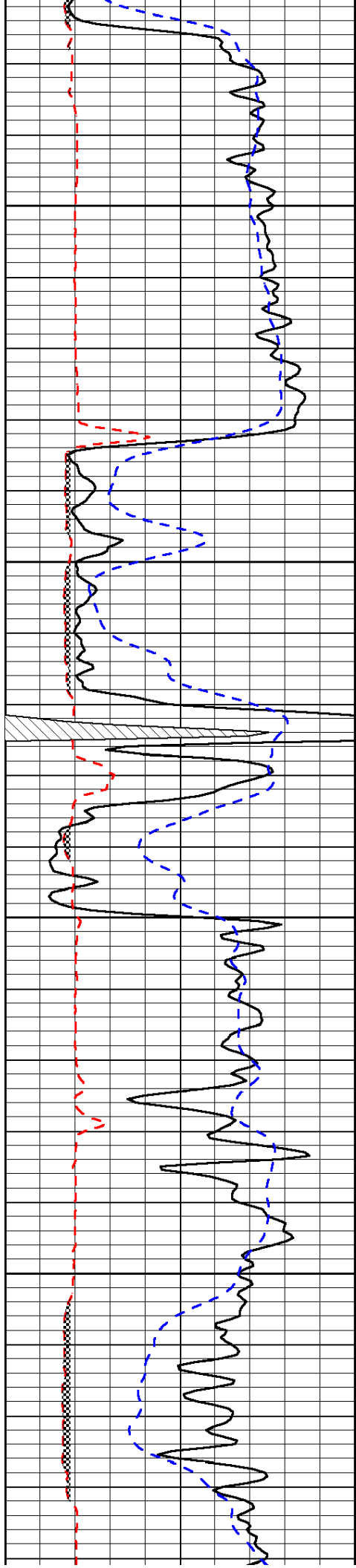


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1350

1400

1450

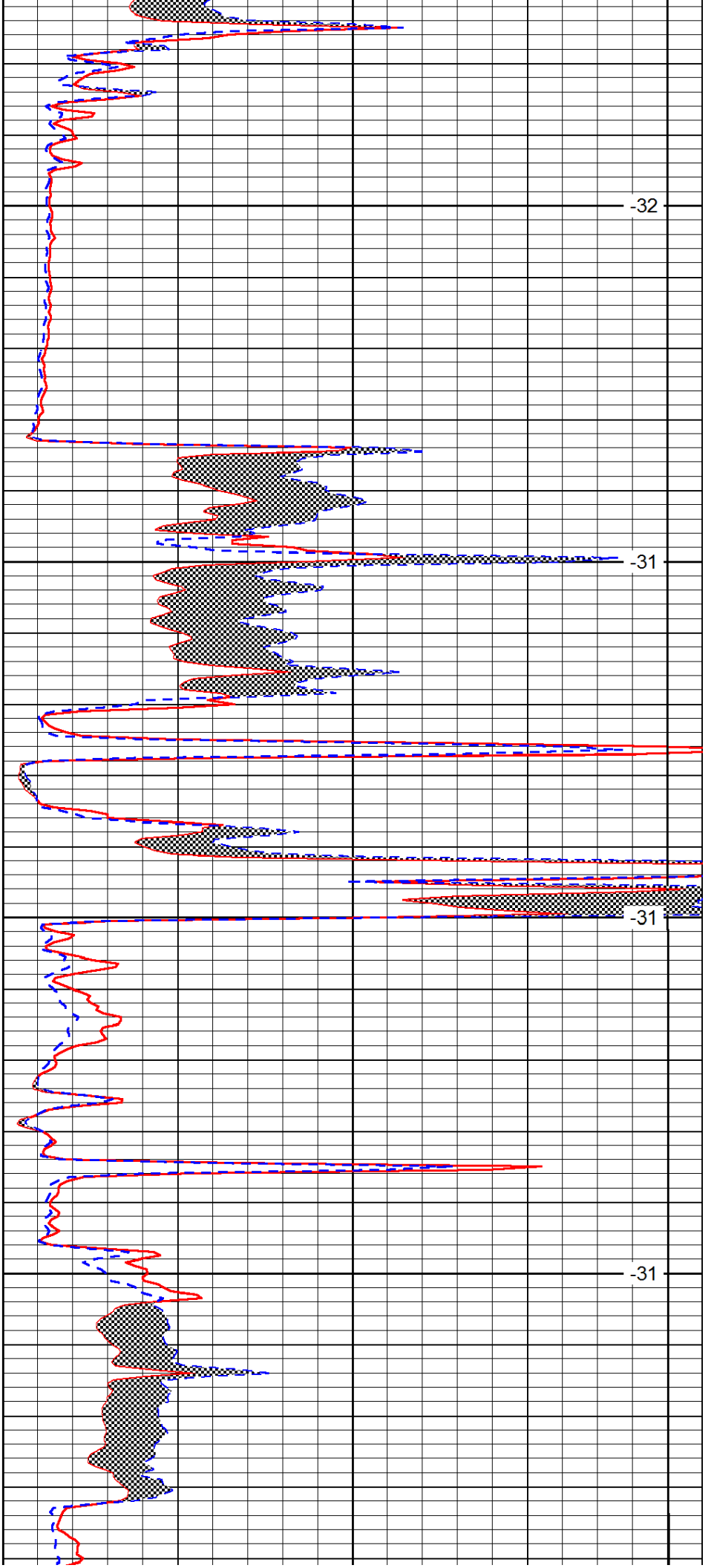
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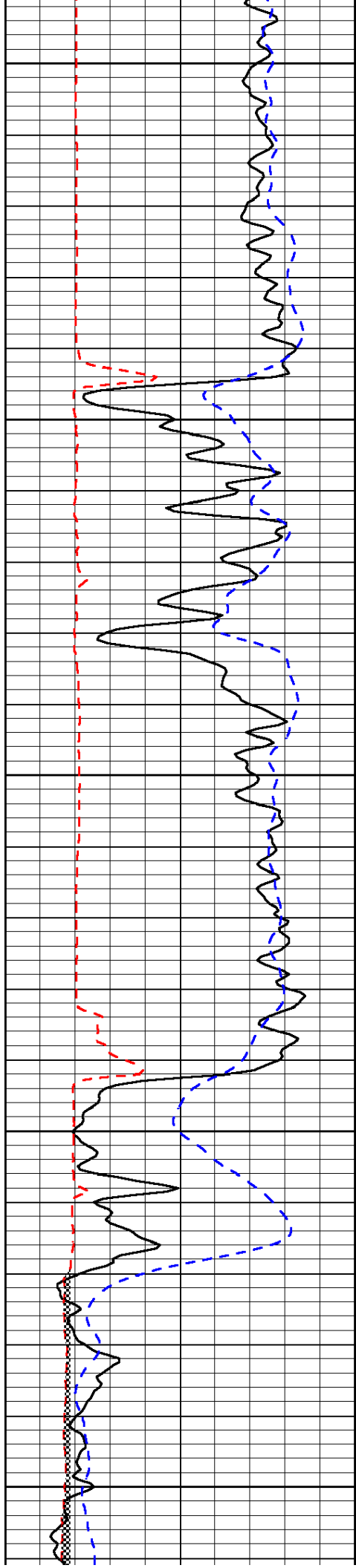
-32

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-31

-31





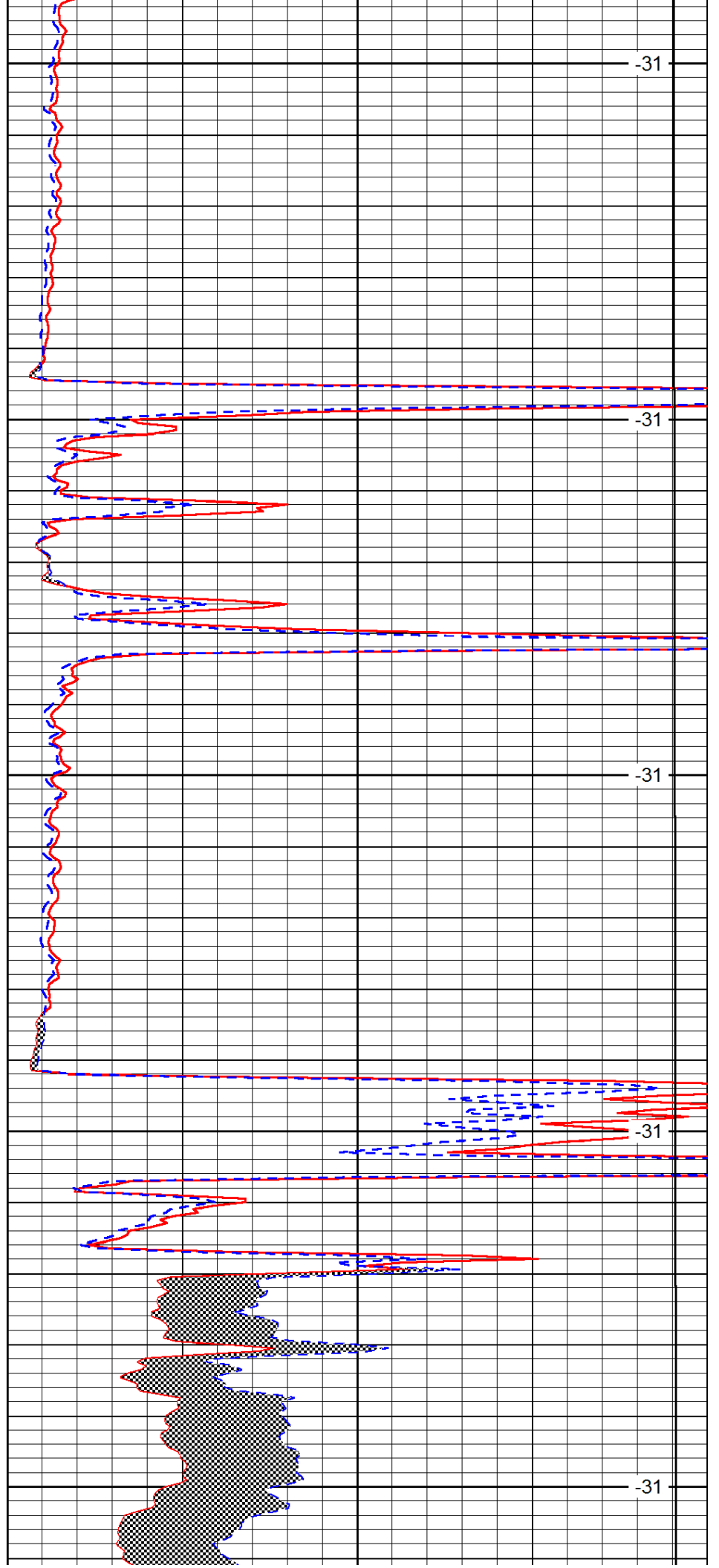
1550

1600

1650

1700

1750



-31

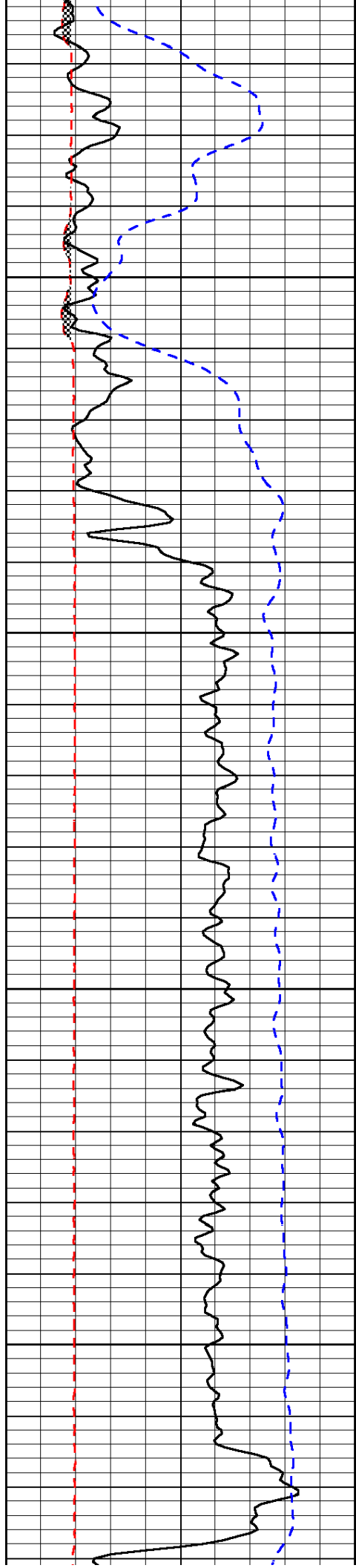
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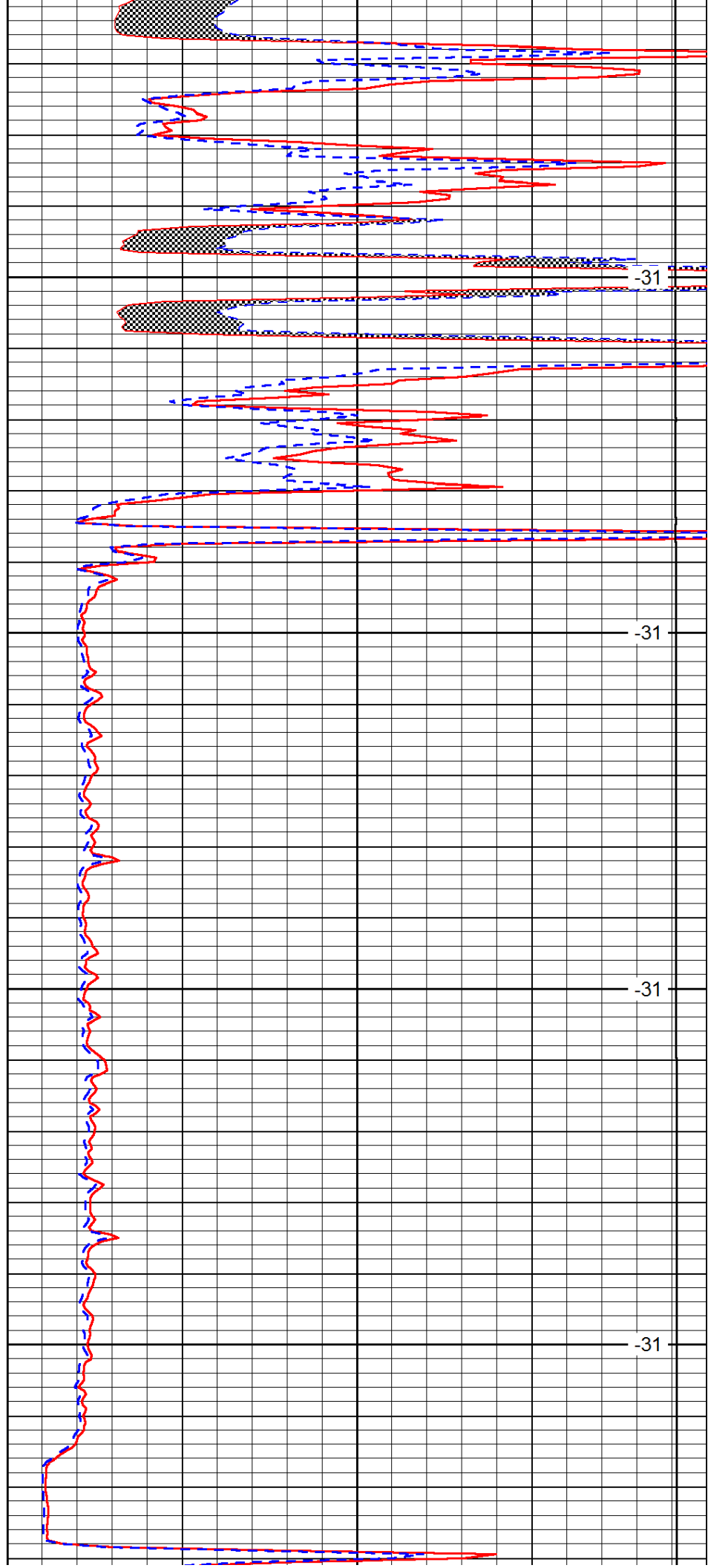


1800

1850

1900

1950

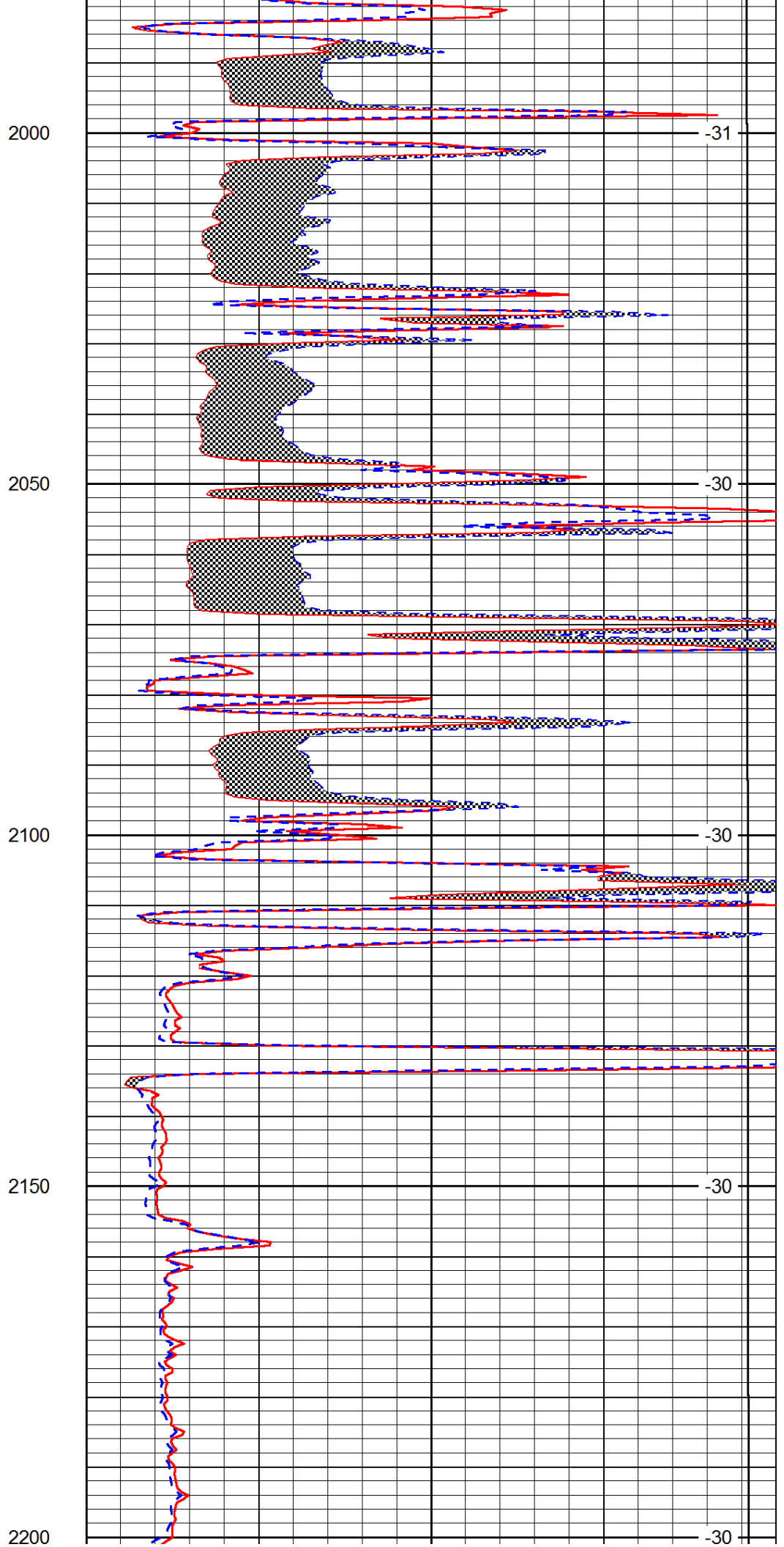
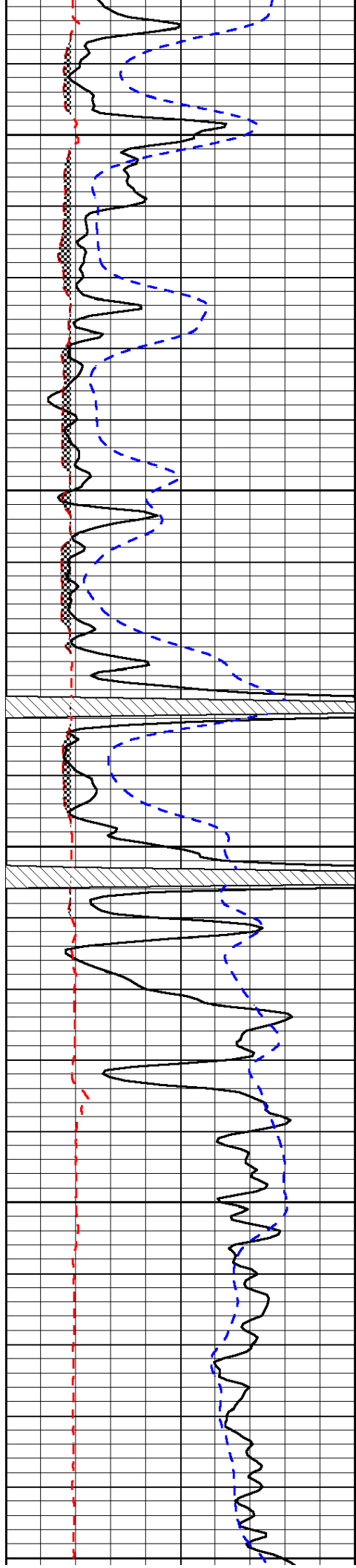


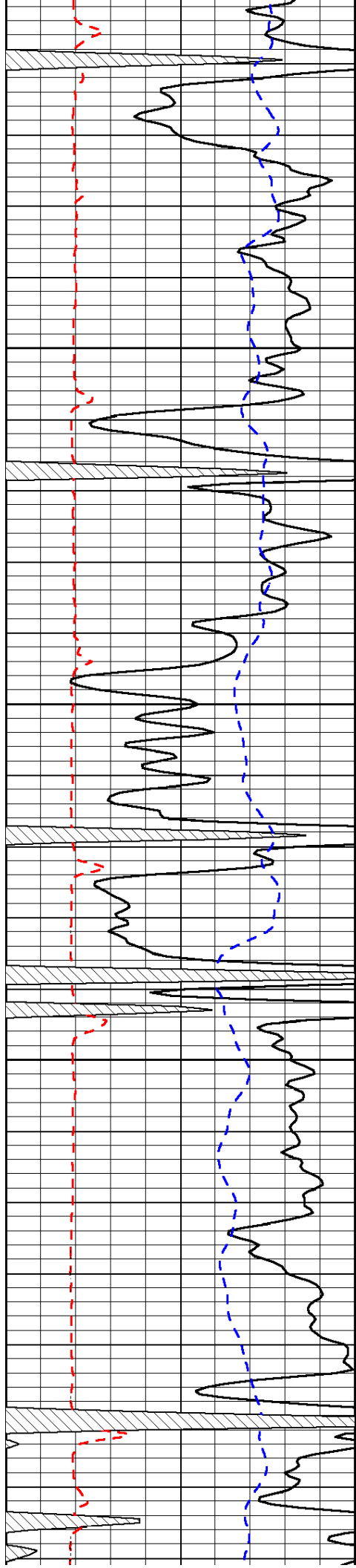
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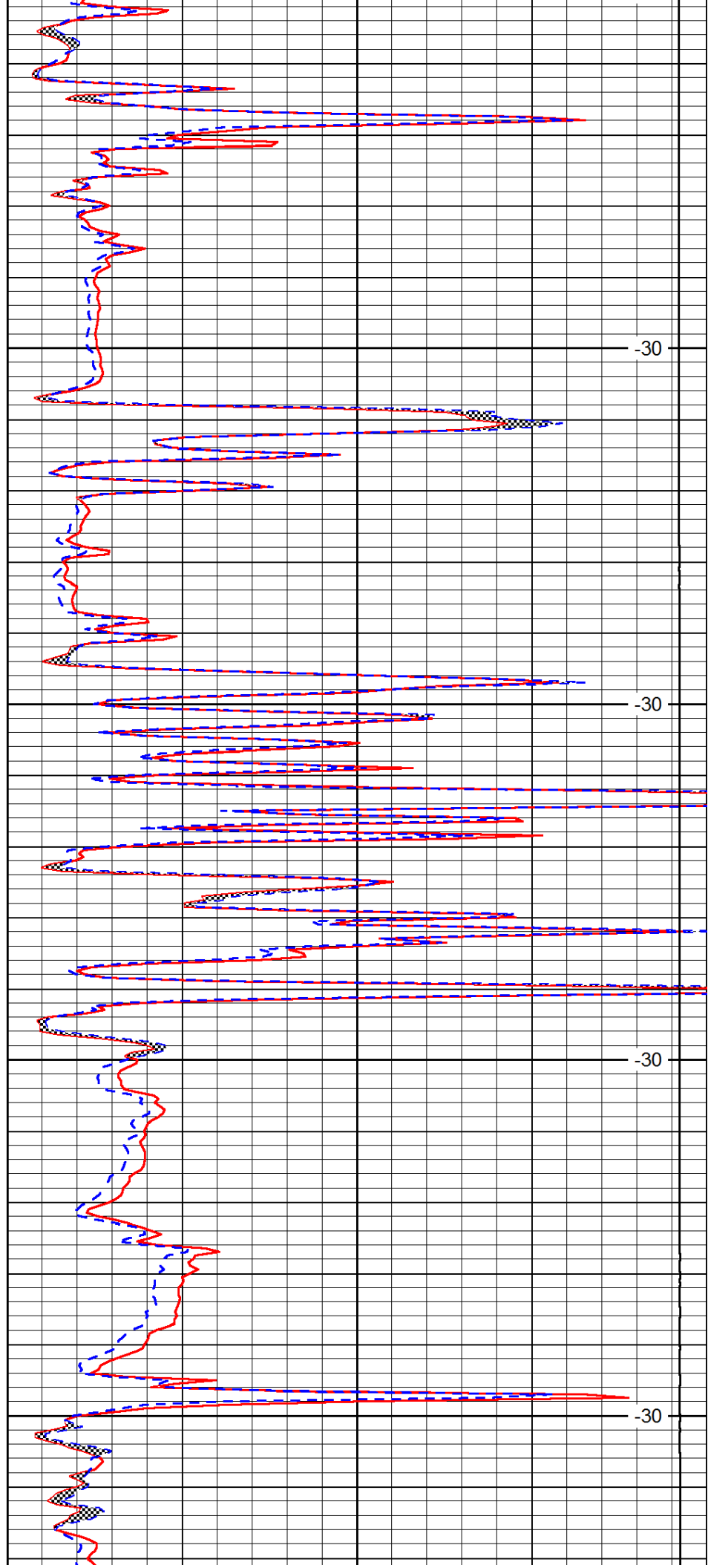


2250

2300

2350

2400

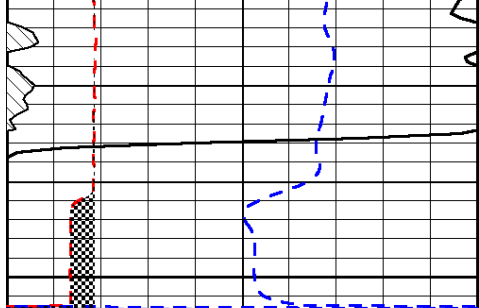


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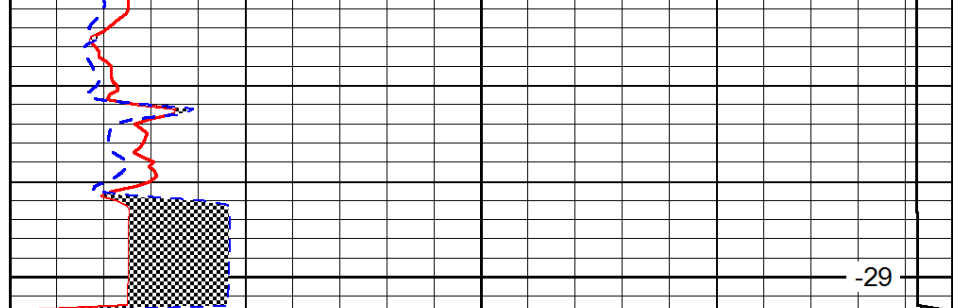
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-30



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-29

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