



Microresistivity Log

Pioneer Energy Services

API No.

15-055-22,274-00-00

Company American Warrior, Inc.

Well Congdon #12-28

Field Congdon

County Finney State Kansas

Location 1380' FSL & 2566' FEL

Sec: 28 Twp: 23S Rge: 32W

Other Services
CNL/CDL
DIL/BHCS

Elevation

Permanent Datum Ground Level Elevation 2840
Log Measured From Kelly Bushing 12 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2852
D.F. 2840
G.L. 2840

Date 2/4/2014

Run Number Two

Depth Driller 4900

Depth Logger 4904

Bottom Logged Interval 4903

Top Log Interval 3800

Casing Driller 8.625 @ 1703

Casing Logger 1705

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 2,700

Density / Viscosity 9.4 55

pH / Fluid Loss 10.5 6.4

Source of Sample Flowline

Rm @ Meas. Temp .88 @ 45

Rmf @ Meas. Temp .66 @ 45

Rmc @ Meas. Temp 1.19 @ 45

Source of Rmf / Rmc Charts

Rm @ BHT .32 @ 125

Operating Rig Time 5 Hours

Max Rec. Temp. F 125

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.

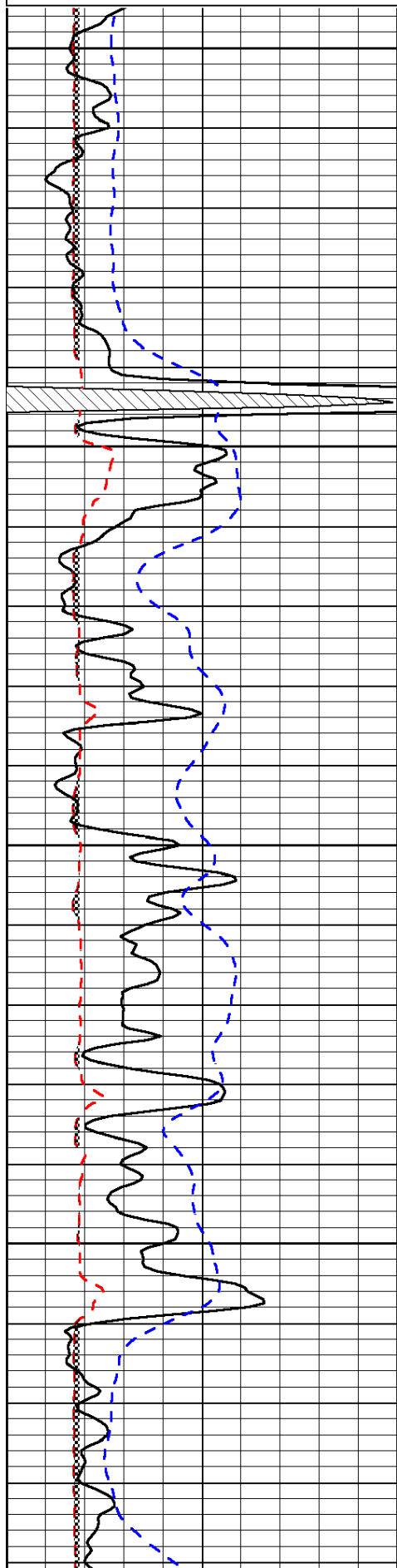
Comments

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

Garden City KS, E edge, N on Mary Rd to Jenny Barker Rd,
N to Rodkey Rd, 1/2 W, N Into

Database File: c:\warrior\data\amwar_congdon #12-28\awhd.db
Dataset Pathname: dil\awstk
Presentation Format: micro
Dataset Creation: Tue Feb 04 17:30:12 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



3800

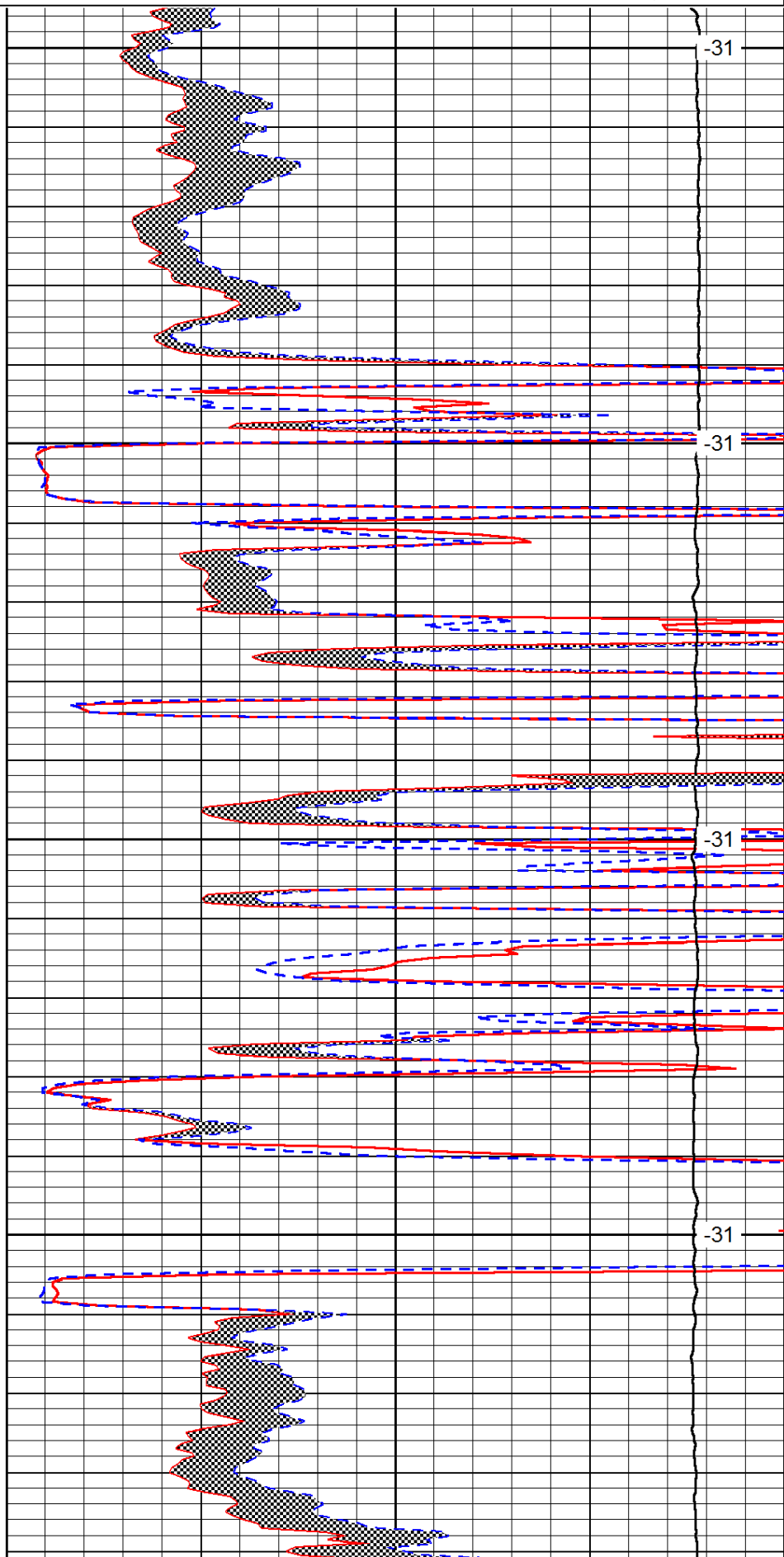
3850

3900

3950

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

LSPD

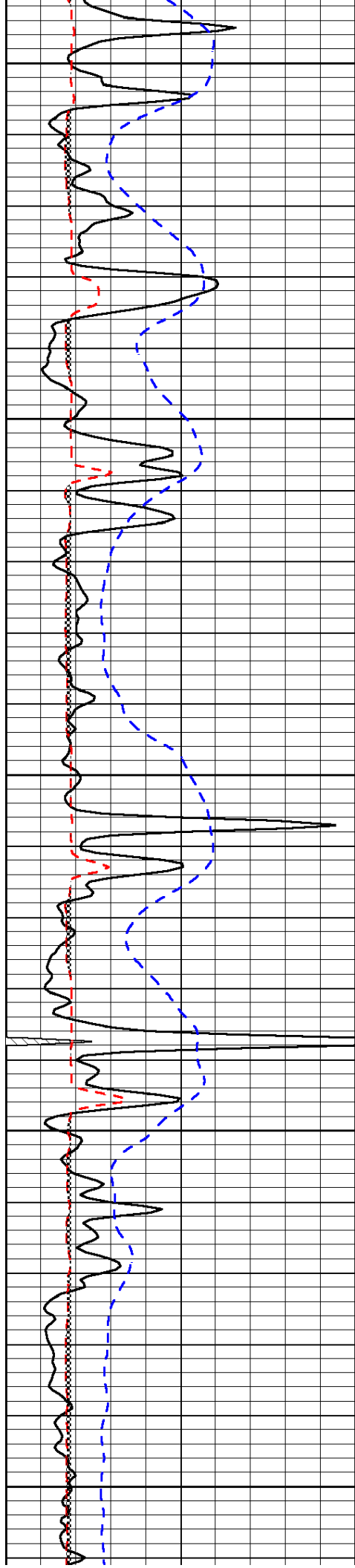


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-31

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-31



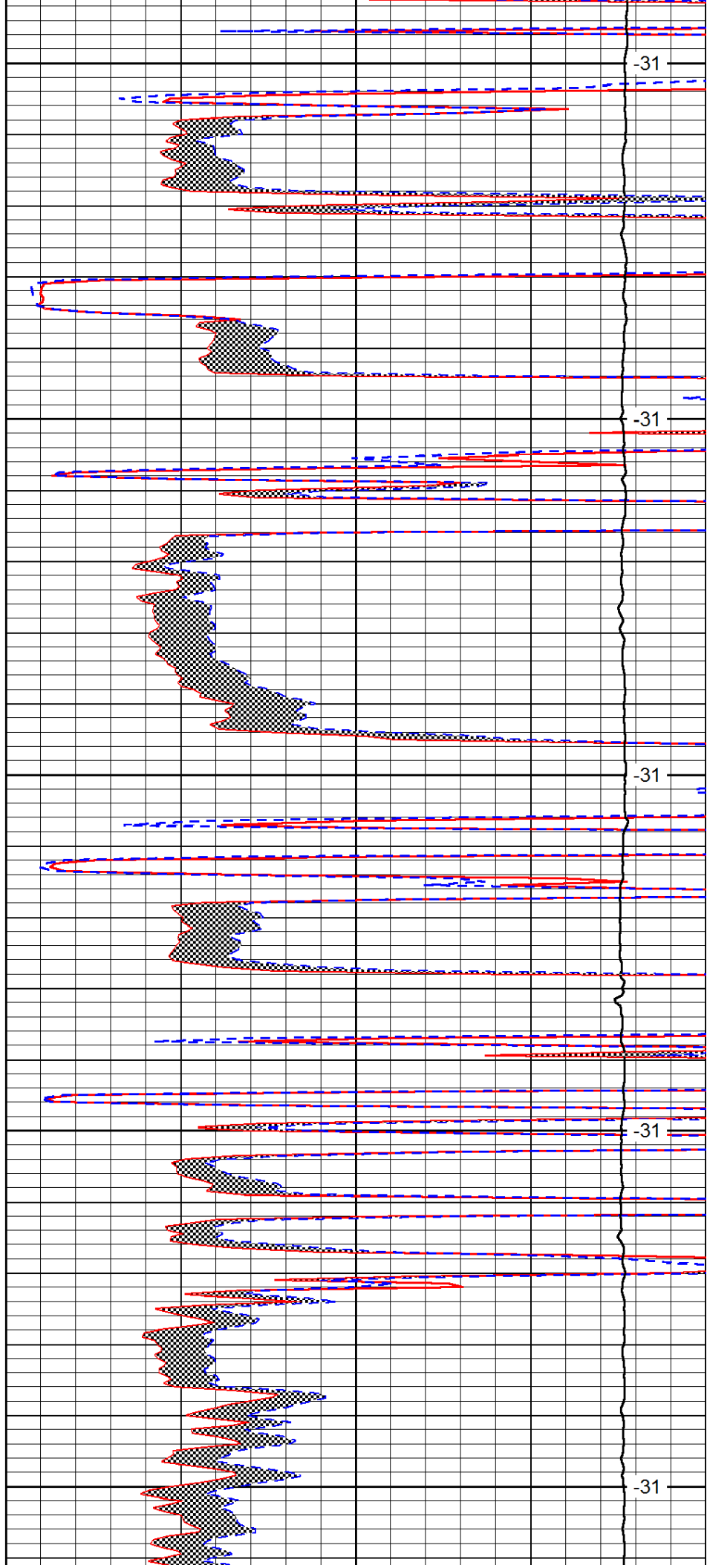
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4050

4100

4150

4200



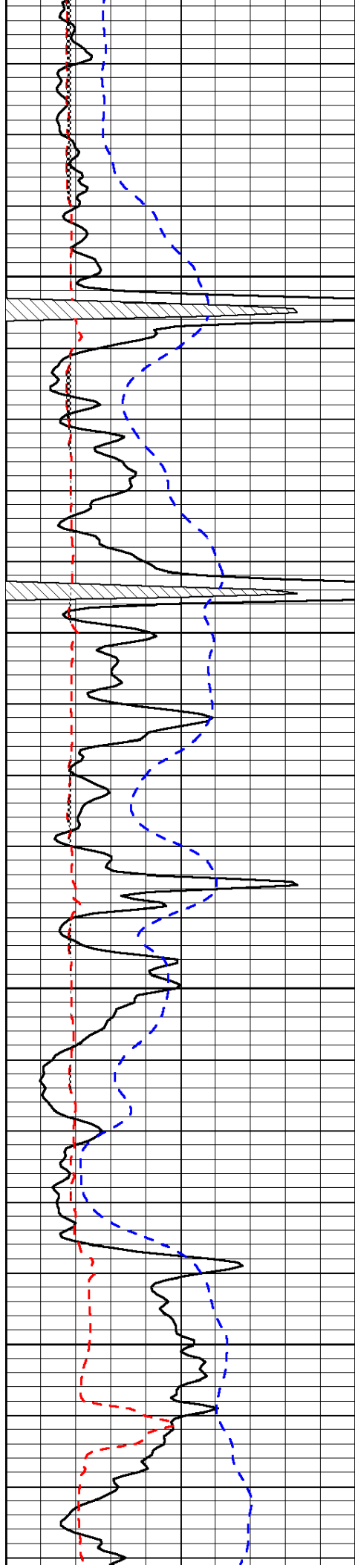
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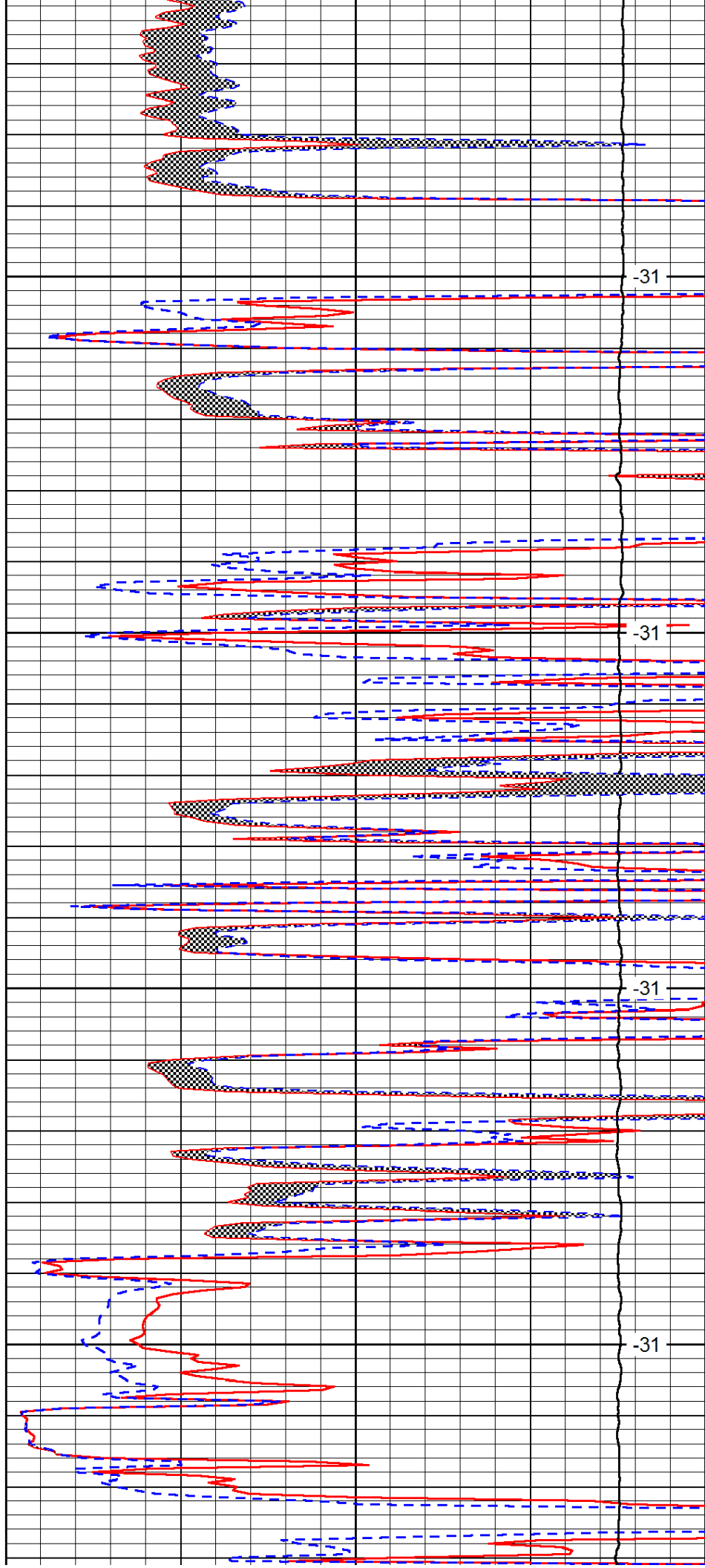


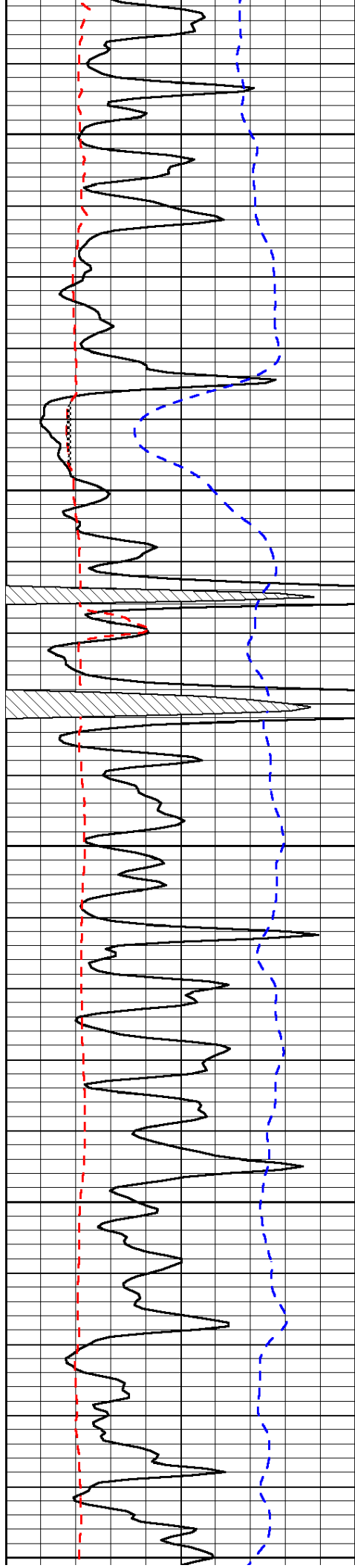
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4300

4350

4400





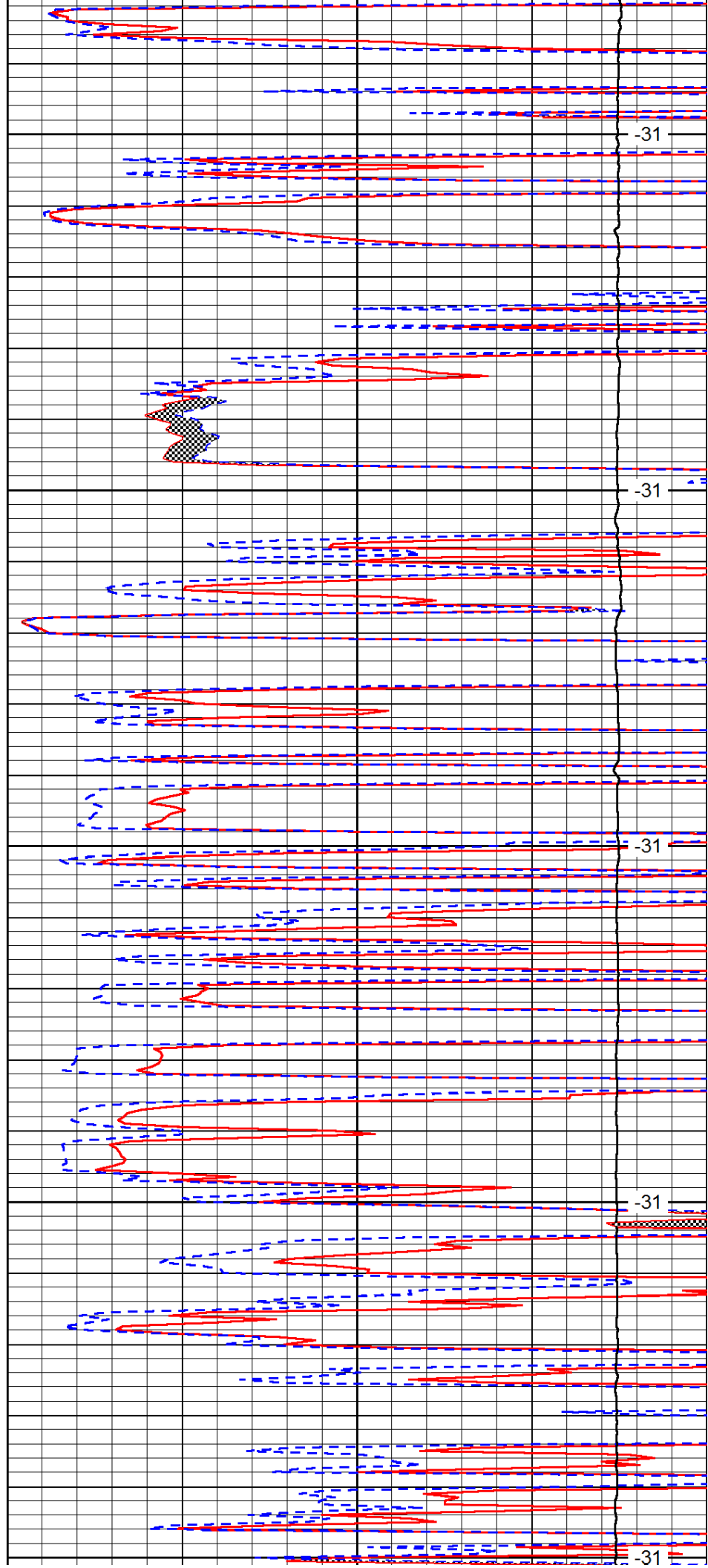
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4500

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4600

4650



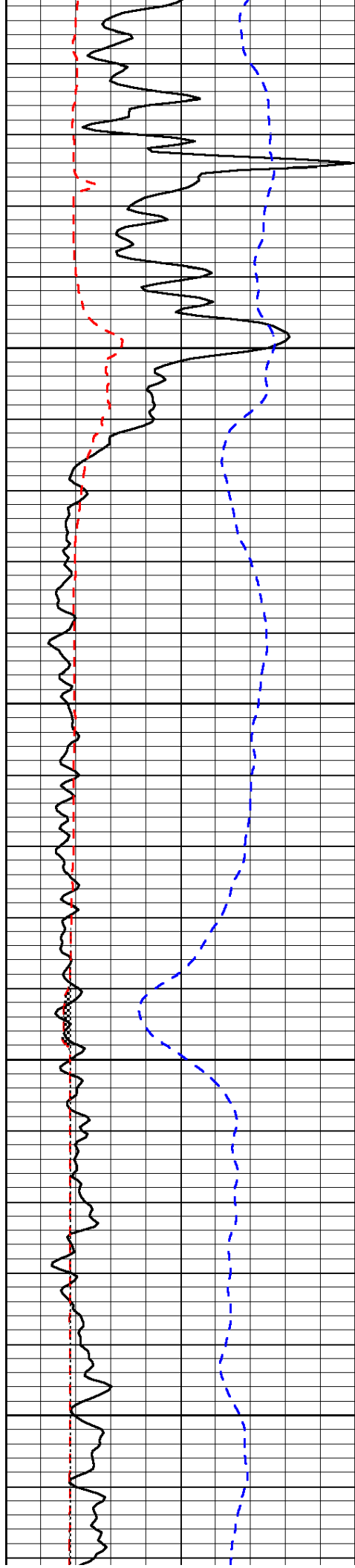
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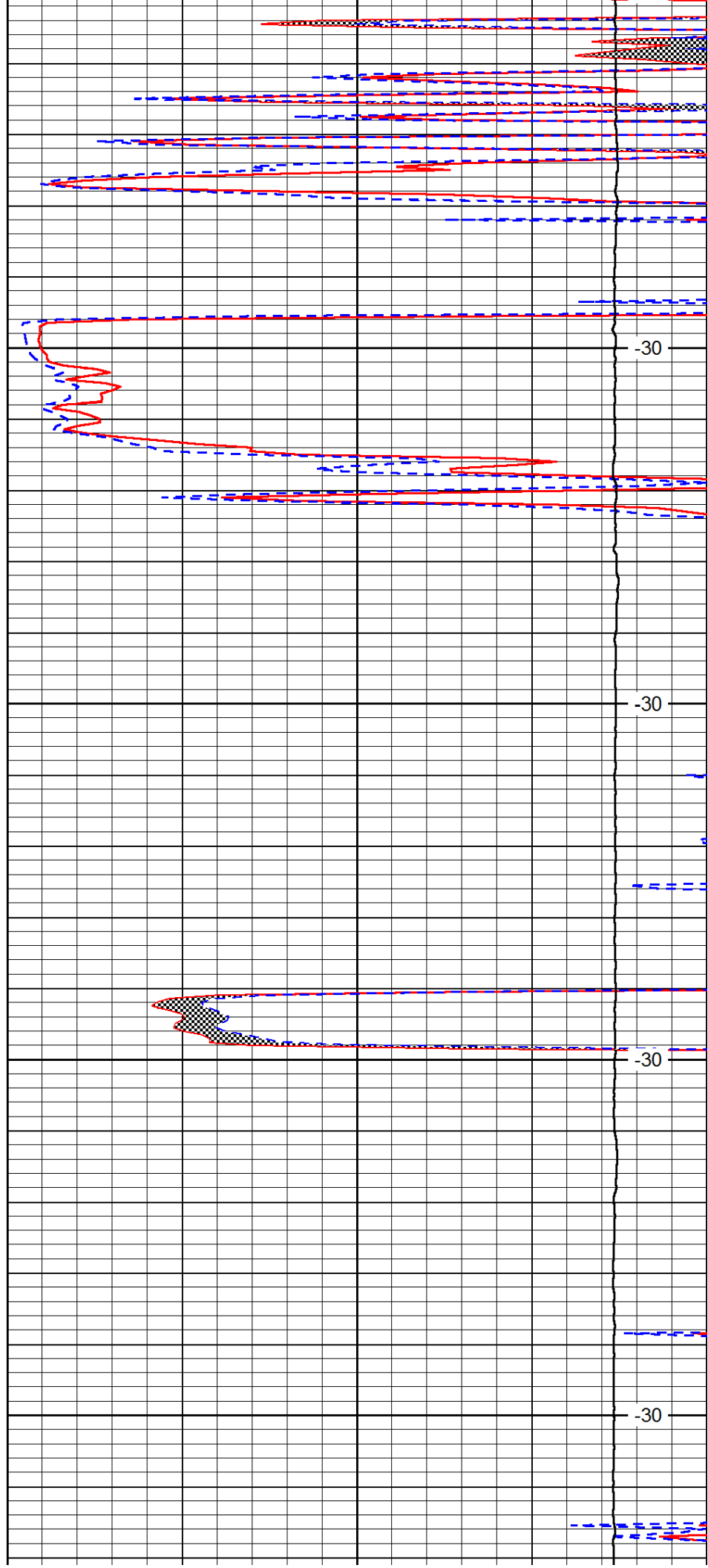


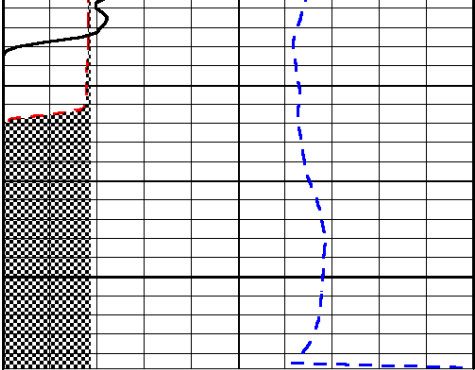
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4750

4800

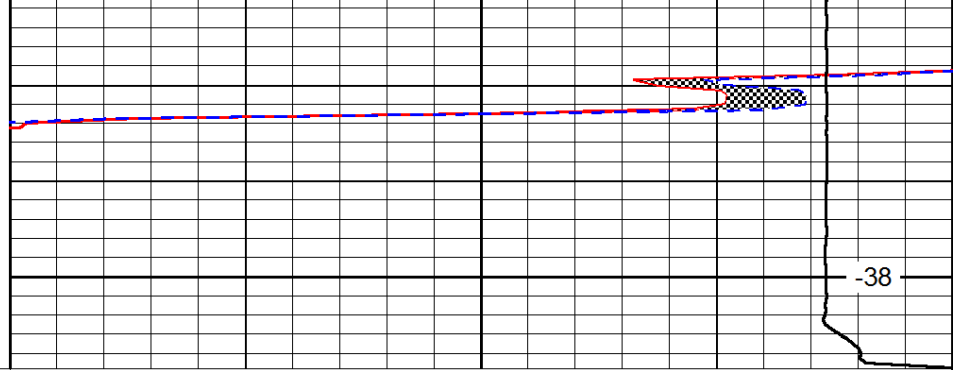
4850





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