



Pioneer Energy Services

Microresistivity Log

15-065-23,894-00-00

API No.

Company **H&C Oil Operating, Inc.**

Well **Gosselin #16-1**

Field **Schnebly**

County **Graham** State

Kansas

Location **1750' FNL & 1980' FWL**

Sec: **16** Twp: **8S** Rge: **22W**

Permanent Datum **Ground Level** Elevation **2082**

Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum

Drilling Measured From **Kelly Bushing**

Other Services
CNL/CDL
DIL/BHCS
Elevation
K.B. 2087
D.F.
G.L. 2082

Date **3/5/2013**

Run Number **Two**

Depth Driller **3595**

Depth Logger **3597**

Bottom Logged Interval **3596**

Top Log Interval **3000**

Casing Driller **8.625 @ 228**

Casing Logger **228**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity, ppm CL **900**

Density / Viscosity **9.1 58**

pH / Fluid Loss **10.5 6.2**

Source of Sample **Flowline**

Rm @ Meas. Temp **1.64 @ 54**

Rmf @ Meas. Temp **1.23 @ 54**

Rmc @ Meas. Temp **2.21 @ 54**

Source of Rmf / Rmc **Charts**

Rm @ BHT **.79 @ 112**

Operating Rig Time **4 Hours**

Max Rec. Temp. F **112**

Equipment Number **17**

Location **Hays**

Recorded By **C. Desaire**

Witnessed By **Marc Downing**

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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
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785 625 3858

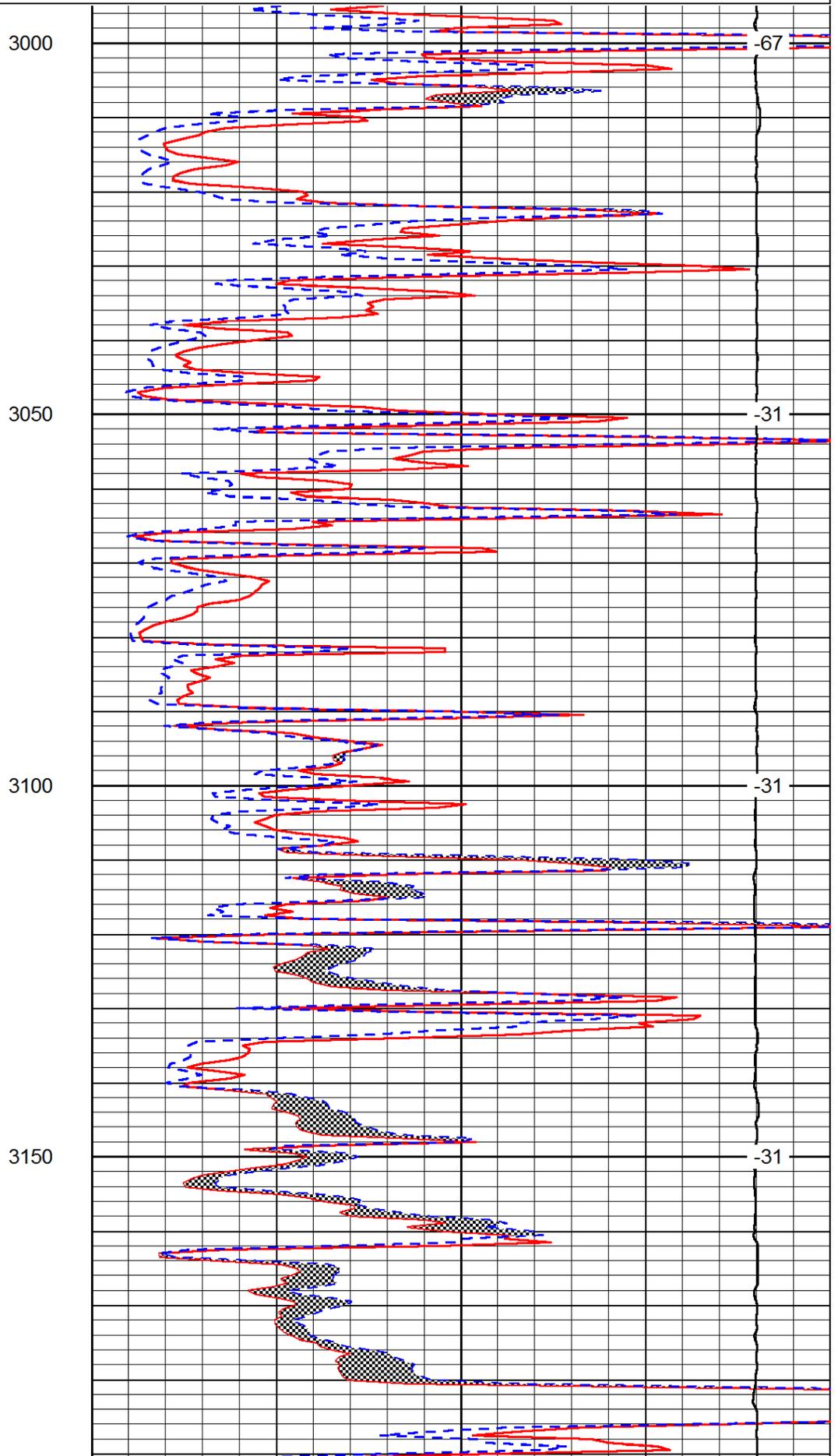
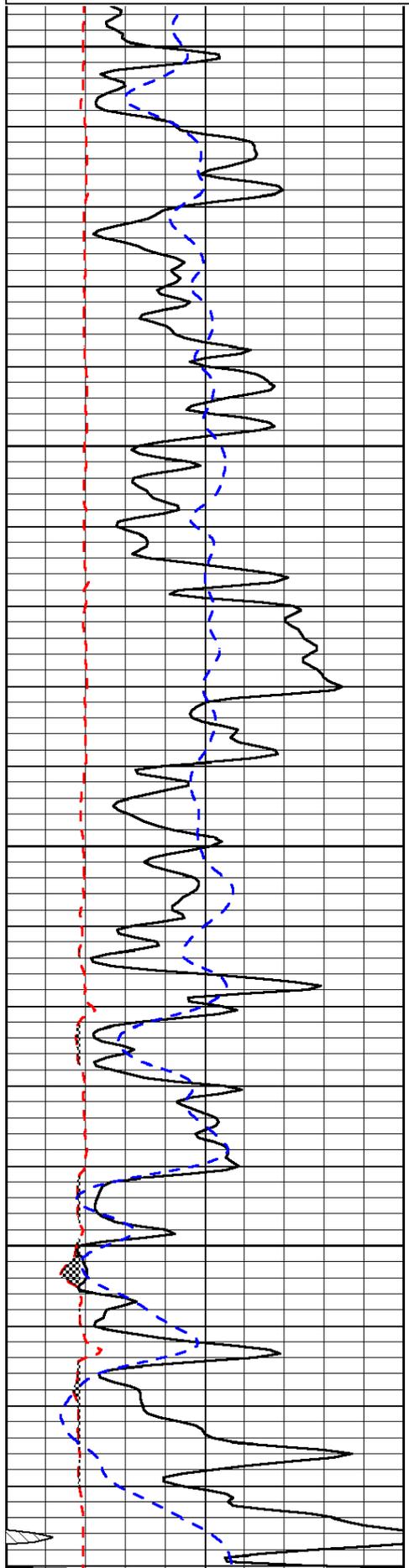
Bogue KS, S Edge, 4 3/4 W, N Into

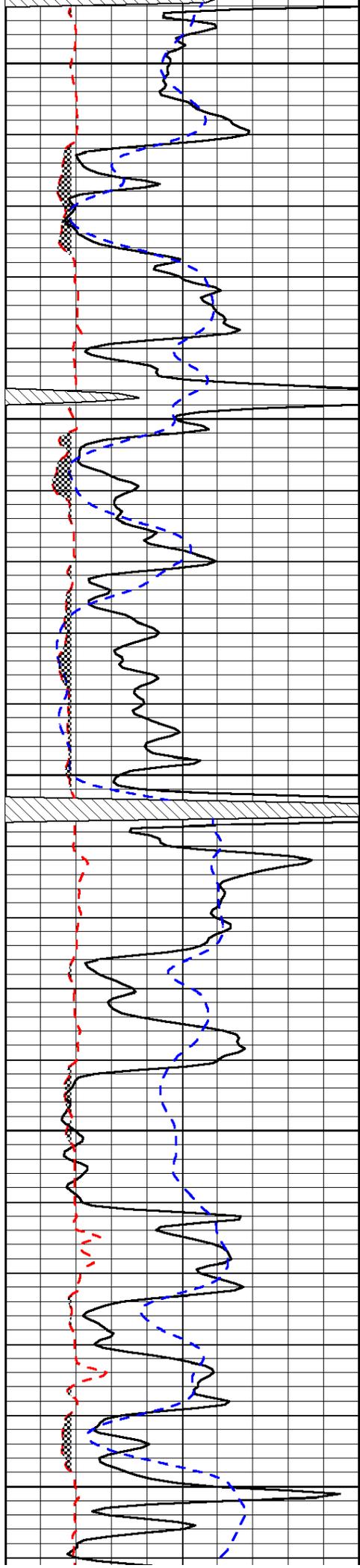
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Dataset Pathname: dil/hcstk
Presentation Format: micro
Dataset Creation: Tue Mar 05 19:00:16 2013
Charted by: Depth in Feet scaled 1:240

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





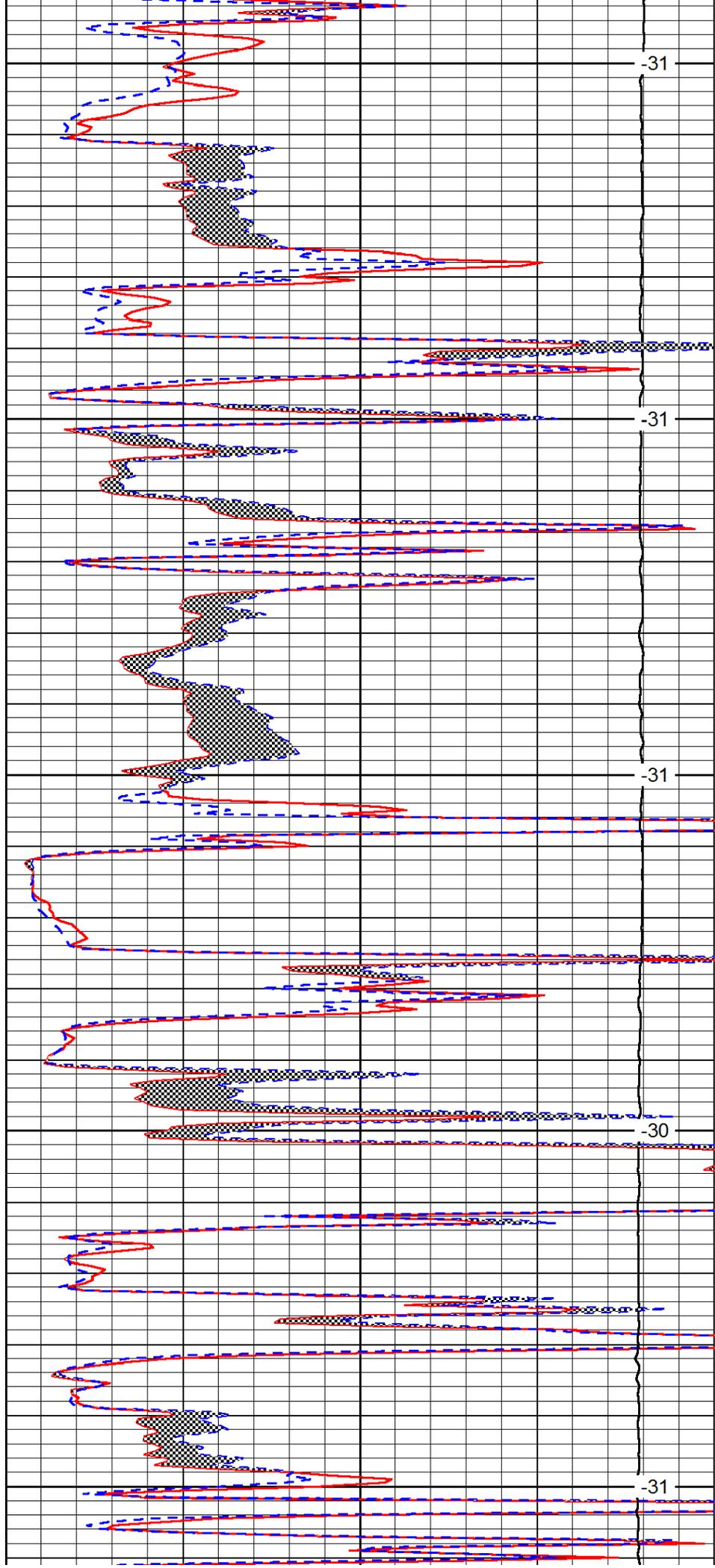
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3300

3350

3400



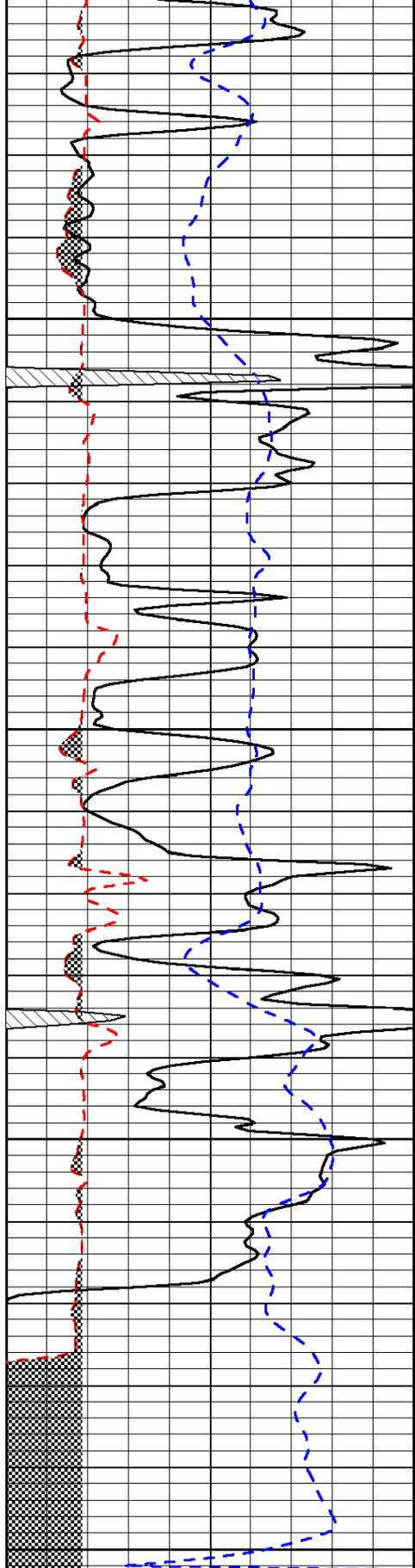
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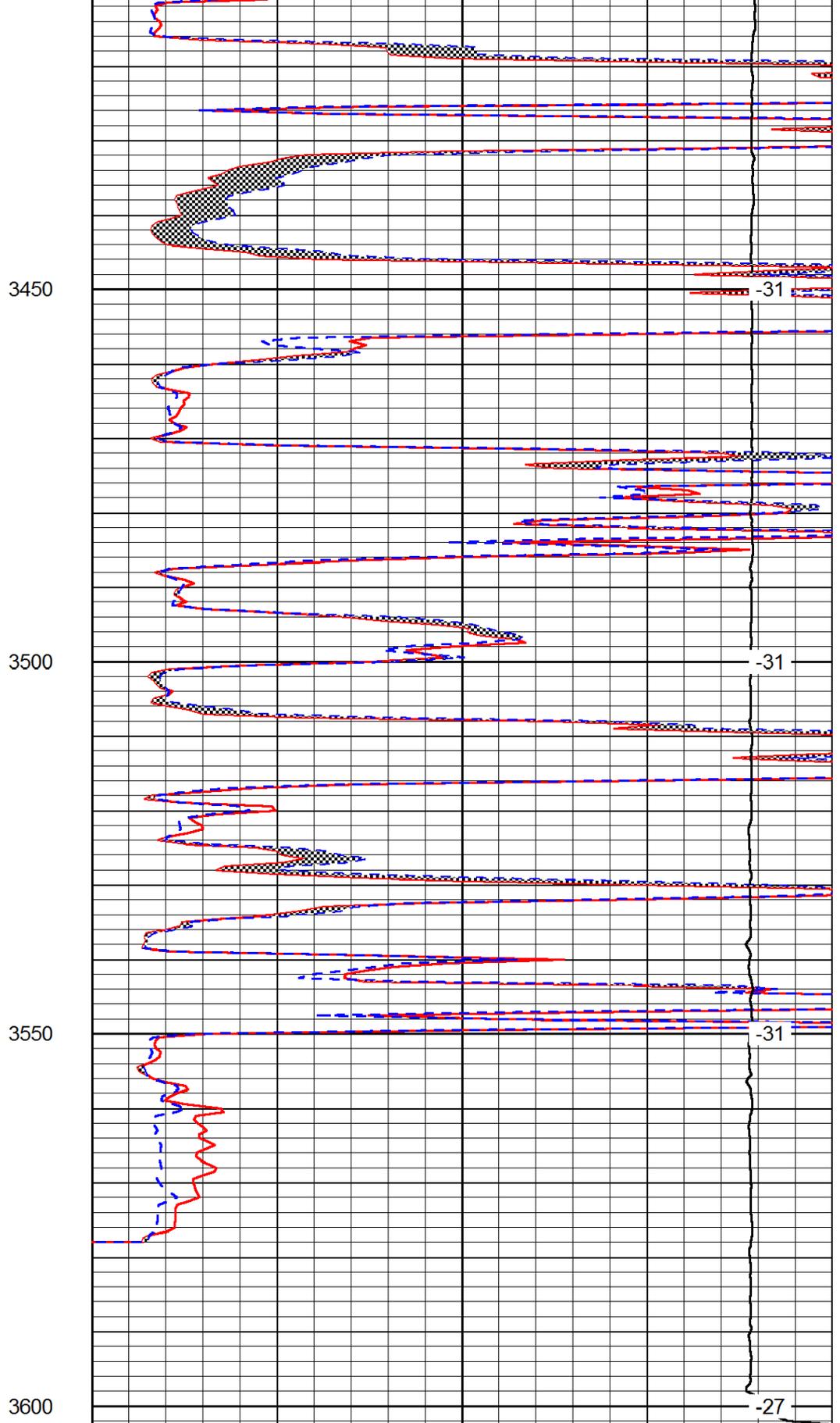
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