



Pioneer Energy Services

Microresistivity Log

15-055-22338-00-00

API No.

Company **American Warrior, Inc.**

Well **Ward # 1-2**

County **Finney** State **Kansas**

Location **2014' FSL & 2284' FWL**

Sec: **2** Twp: **25 S** Rge: **31 W**

Other Services
CNL/CDL
DIL

Elevation

K.B. 2868
D.F.
G.L. 2857

Permanent Datum **Ground Level** Elevation **2857**
Log Measured From **Kelly Bushing** **11 Ft. Above Perm. Datum**
Drilling Measured From **Frontkelly Bushing**

Date	11/24/2014
Run Number	Two
Depth Driller	5050
Depth Logger	5052
Bottom Logged Interval	5051
Top Log Interval	3950
Casing Driller	8.625 @ 1710
Casing Logger	1706
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	2.600
Density / Viscosity	9.4 57
pH / Fluid Loss	9.5 9.2
Source of Sample	Flowline
Rm @ Meas. Temp	0.86 @ 68
Rmf @ Meas. Temp	0.65 @ 68
Rmc @ Meas. Temp	1.16 @ 68
Source of Rmf / Rmc	Charts
Rm @ BHT	0.46 @ 127
Operating Rig Time	4 Hours
Max Rec. Temp. F	127
Equipment Number	15
Location	Hays
Recorded By	Y. Ruiz
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

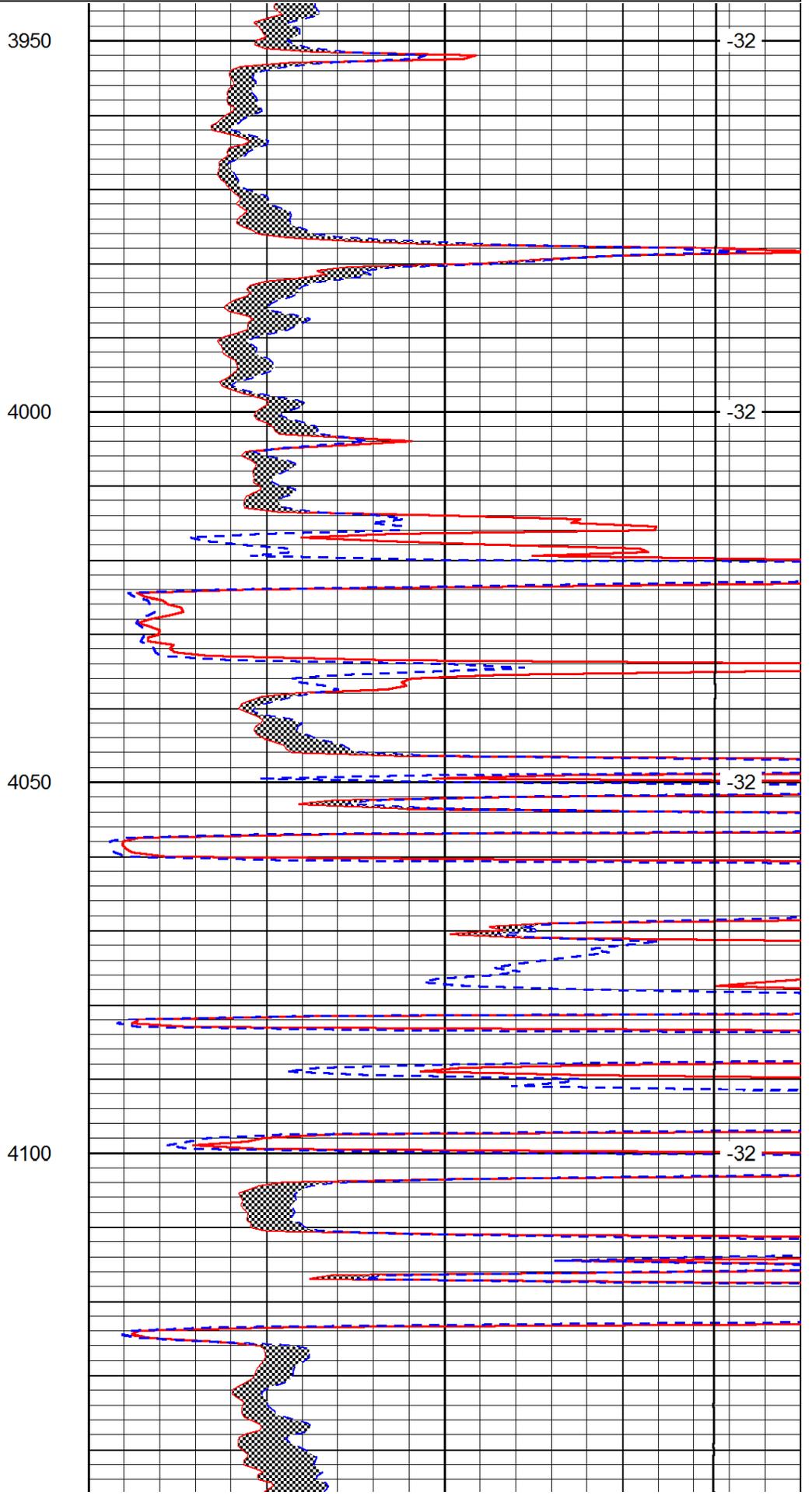
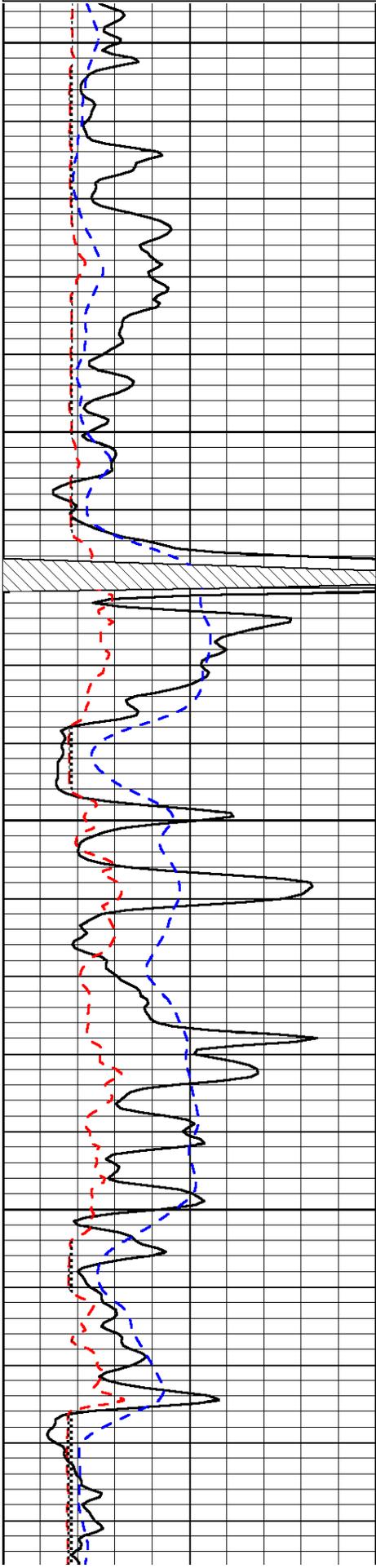
Thank you for using Pioneer Energy Services
www.pioneeres.com
 785 625 3858
 Garden City,
 Southeast on Hwy 50 to Aerodrome Rd, 7/8 Southeast pass Aerodrome Rd, 1 East,
 South into

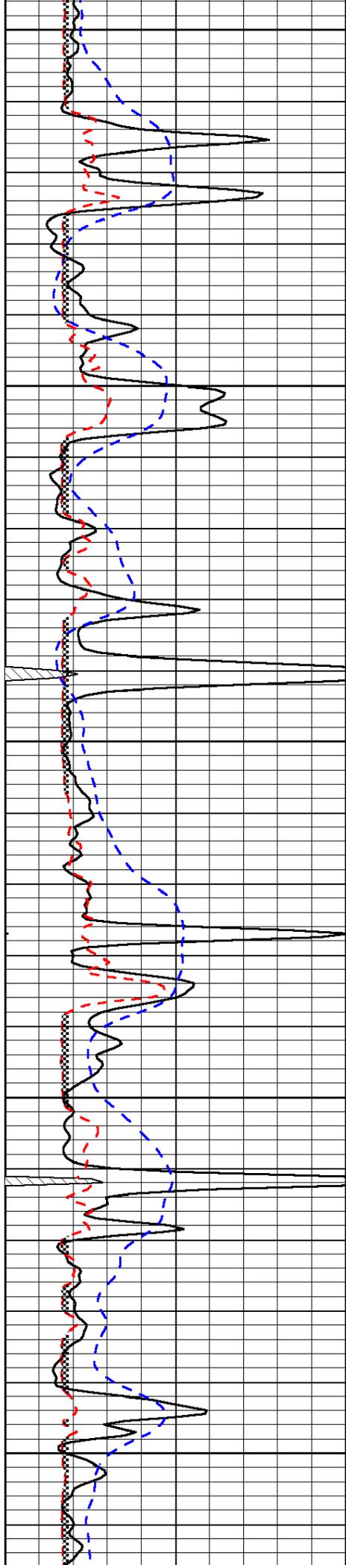
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 Presentation Format: micro
 Dataset Creation: Mon Nov 24 23:27:23 2014
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	MCAL (GAPI)	16
-200	SP (mV)	0

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

LSPD





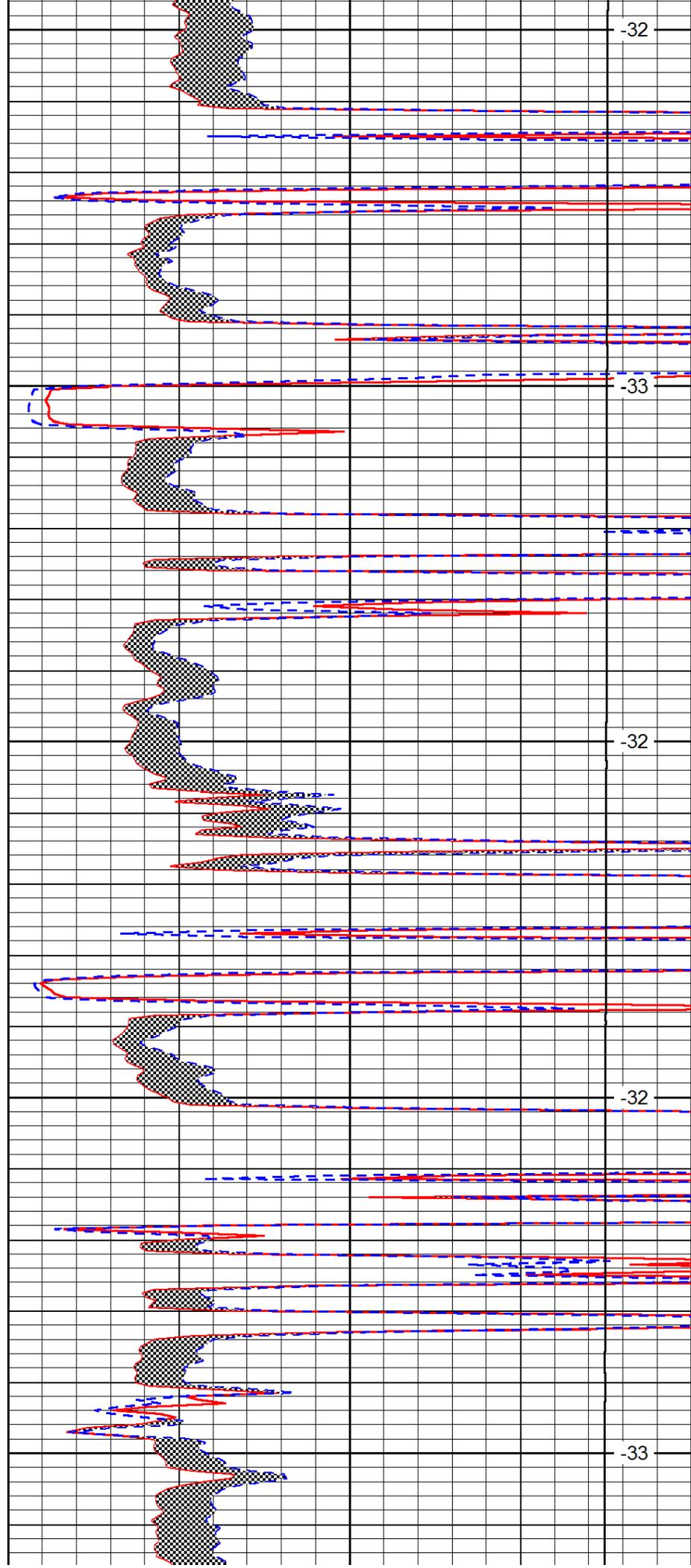
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4200

4250

4300

4350



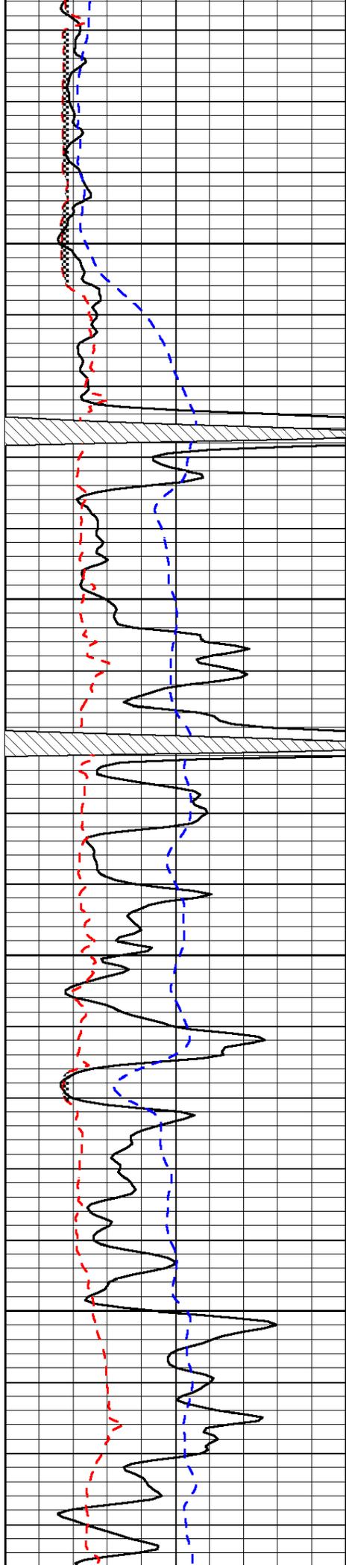
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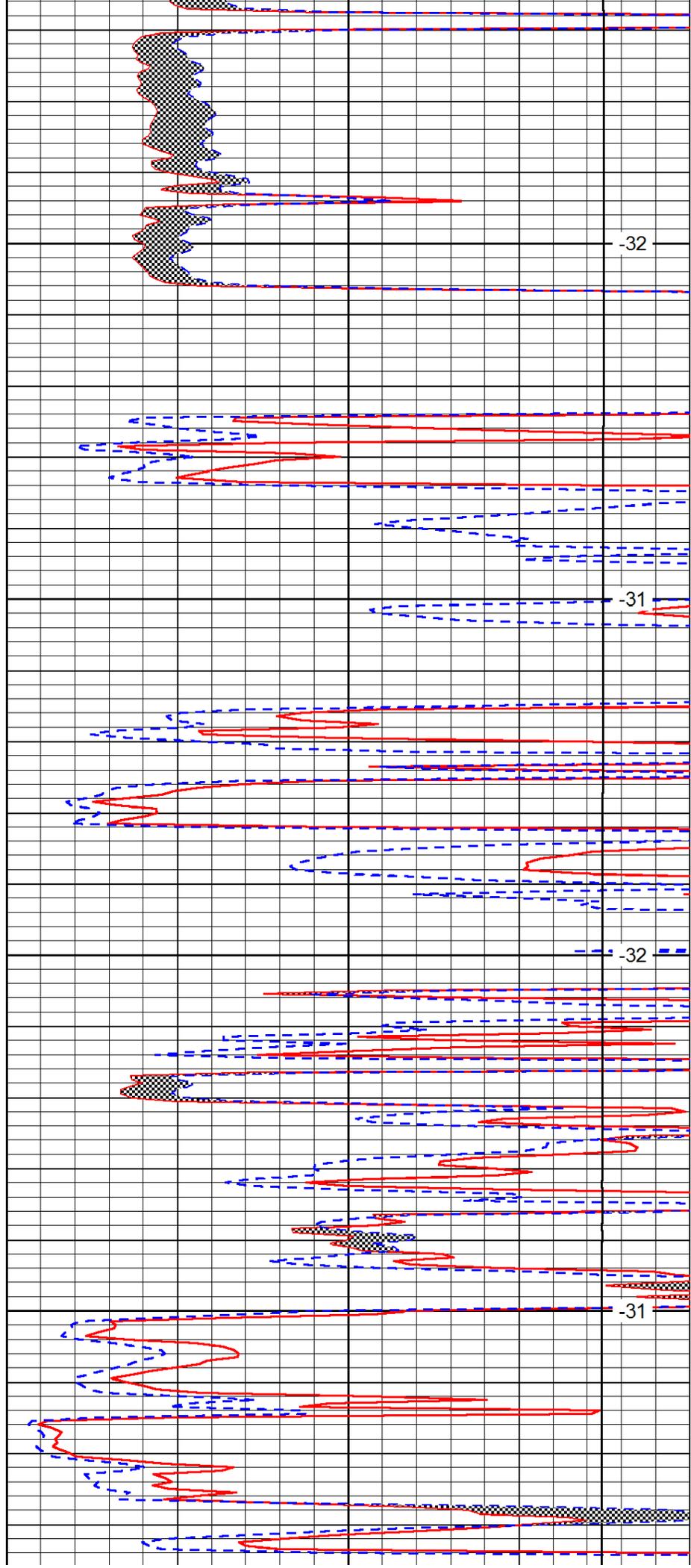


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4450

4500

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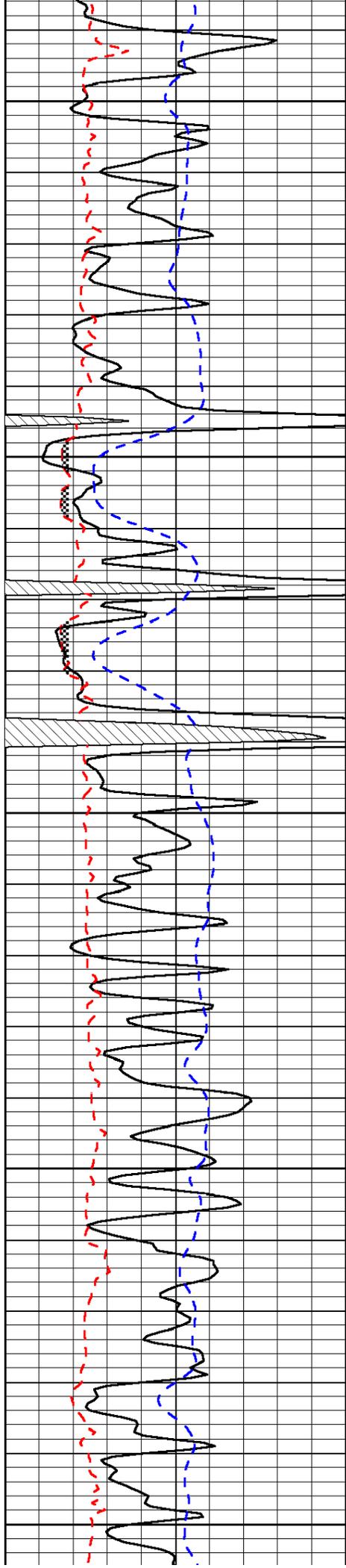


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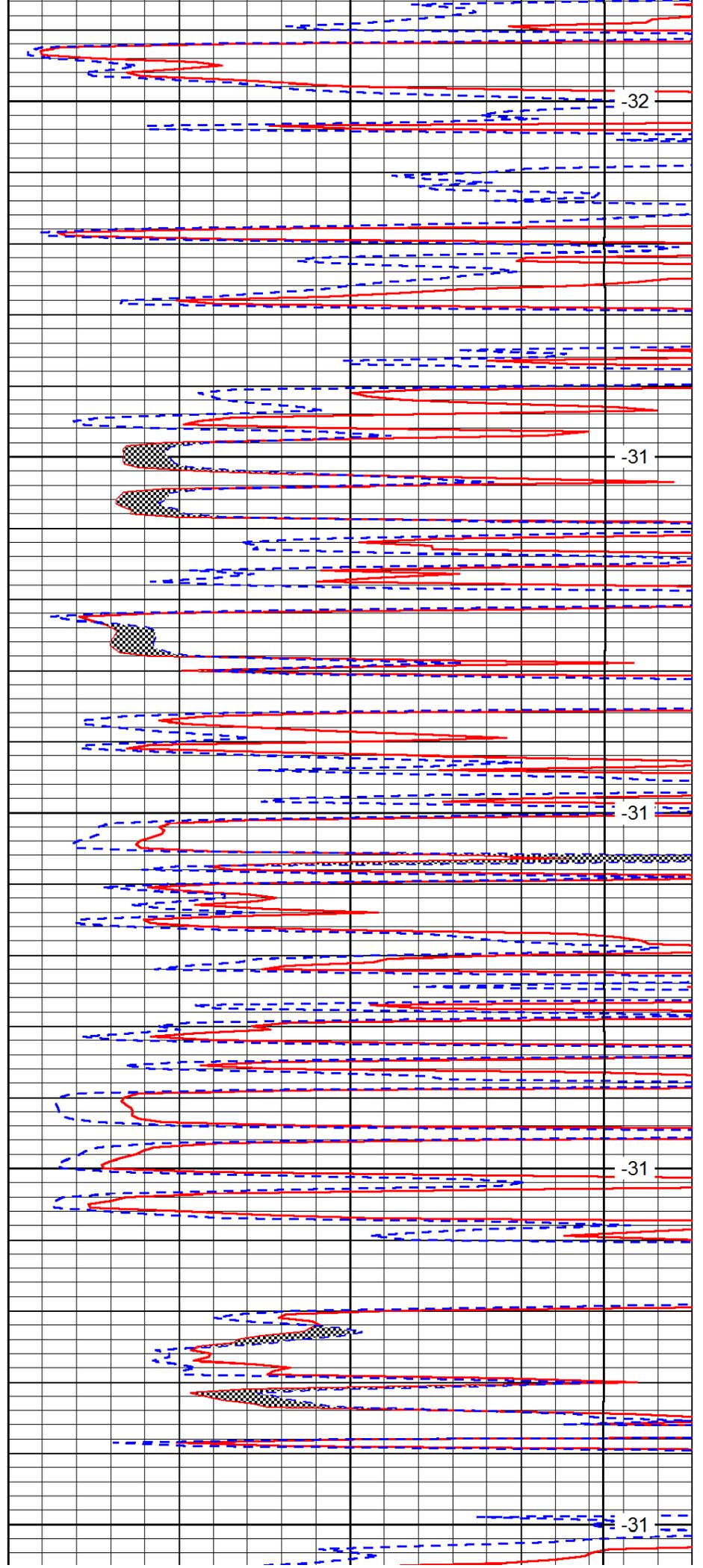
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4650

4700

4750

4800



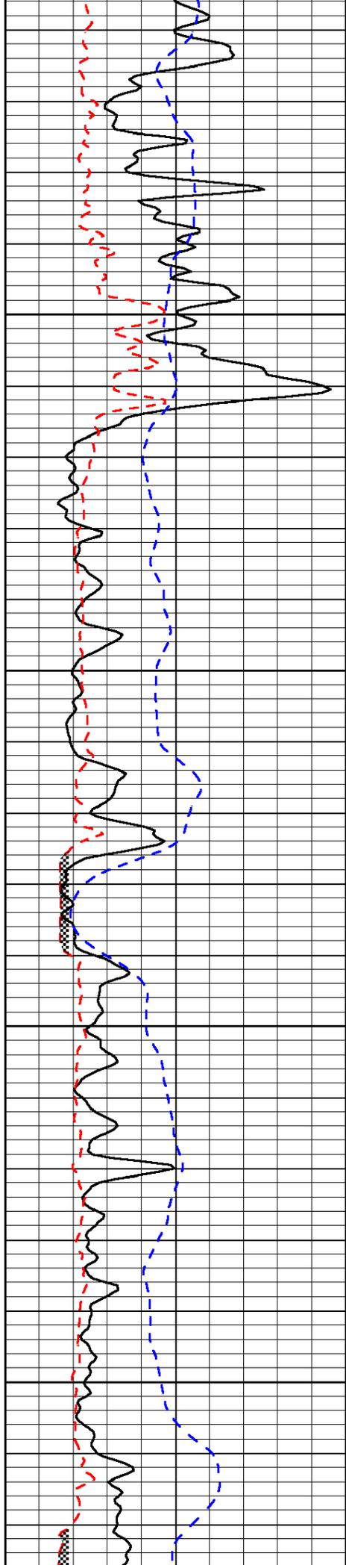
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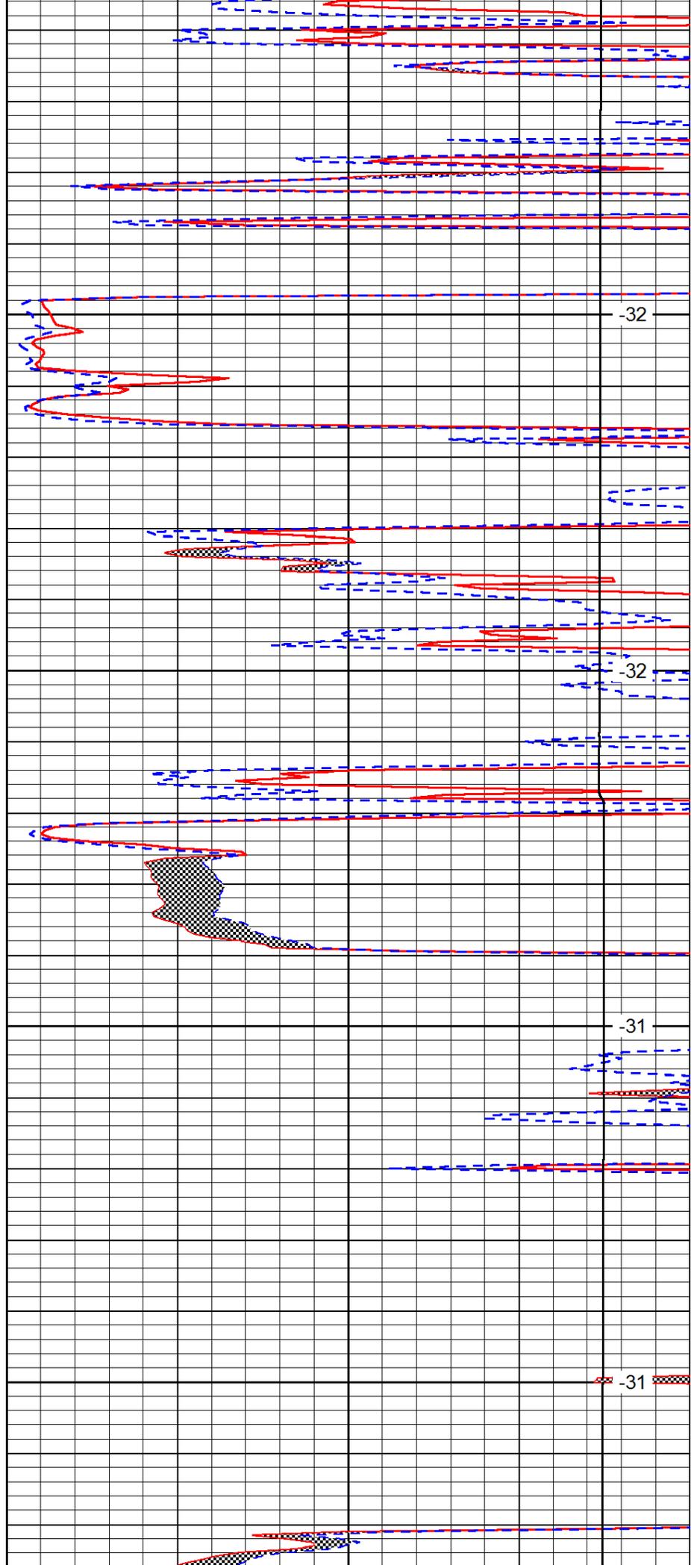


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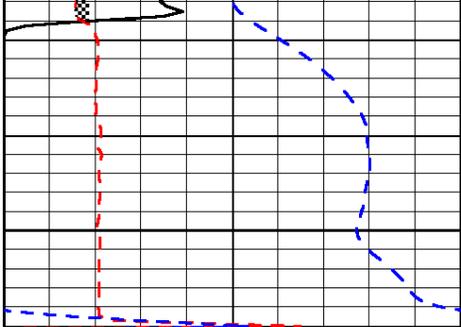


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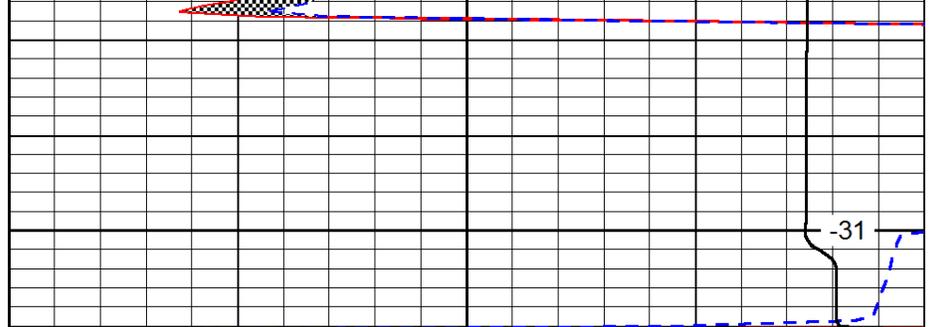
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