



Microresistivity Log

Pioneer Energy Services

API No.

15-167-23,916-00-00

Company American Warrior, Inc.

Well Eulert No. 18-35

Field Eulert

County Russell State Kansas

Location 900' FSL & 625' FWL

Sec: 35 Twp: 11S Rge: 15W

Other Services
CNL/CDL
DIL

Permanent Datum Ground Level Elevation 1803

Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Date

11/5/13

Run Number

Two

Depth Driller

3366

Depth Logger

3369

Bottom Logged Interval

3368

Top Log Interval

2600

Casing Driller

8.625 @ 861

Casing Logger

854

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

3,500

Density / Viscosity

9.2 60

pH / Fluid Loss

10.0 6.0

Source of Sample

Flowline

Rm @ Meas. Temp

.65 @ 62

Rmf @ Meas. Temp

.49 @ 62

Rmc @ Meas. Temp

.88 @ 62

Source of Rmf / Rmc

Charts

Rm @ BHT

.37 @ 110

Operating Rig Time

3 1/2 Hours

Max Rec. Temp. F

110

Equipment Number

108

Location

Hays

Recorded By

J. Henrickson

Witnessed By

Wyatt Urban

Jim Musgrove

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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

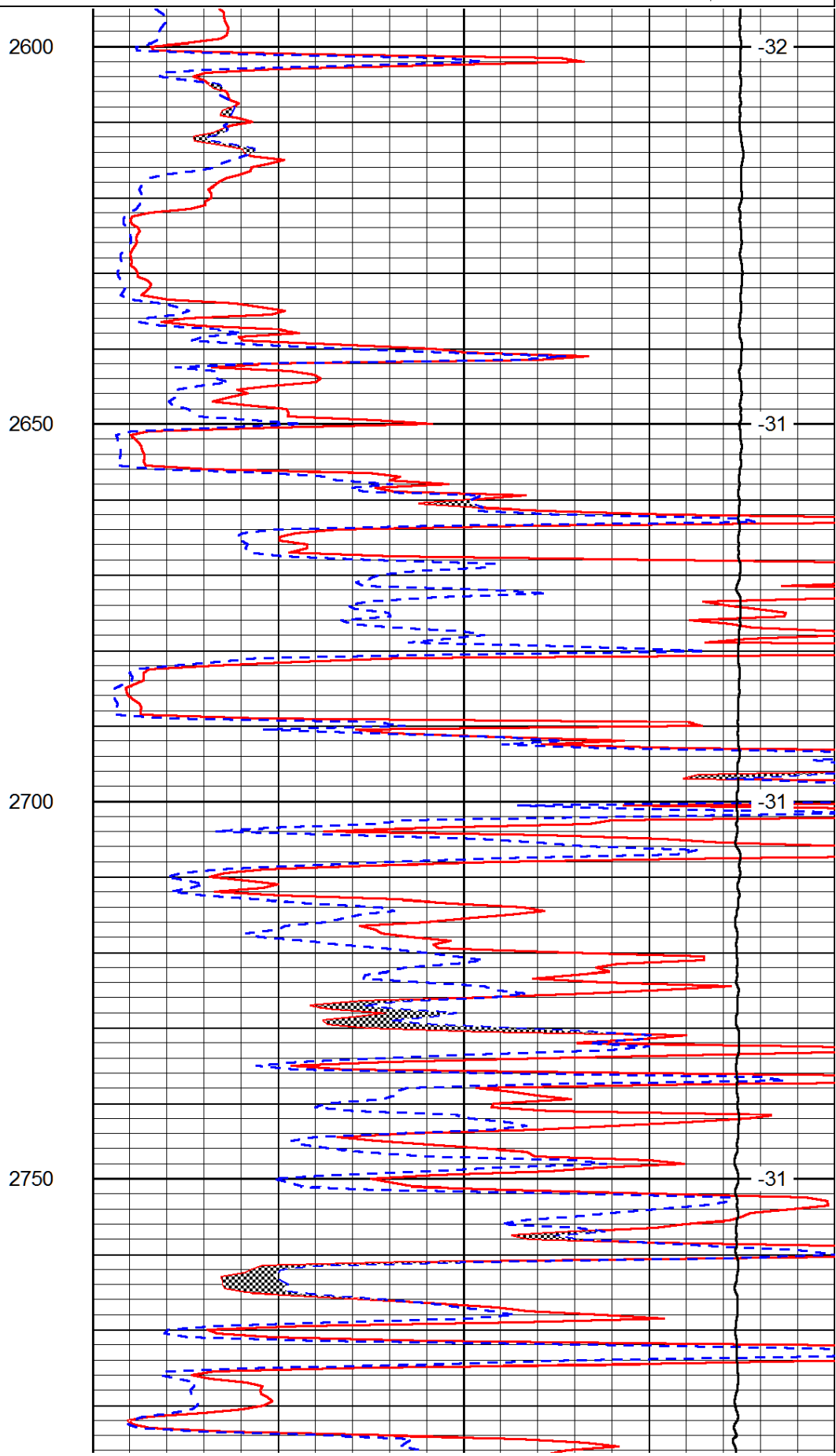
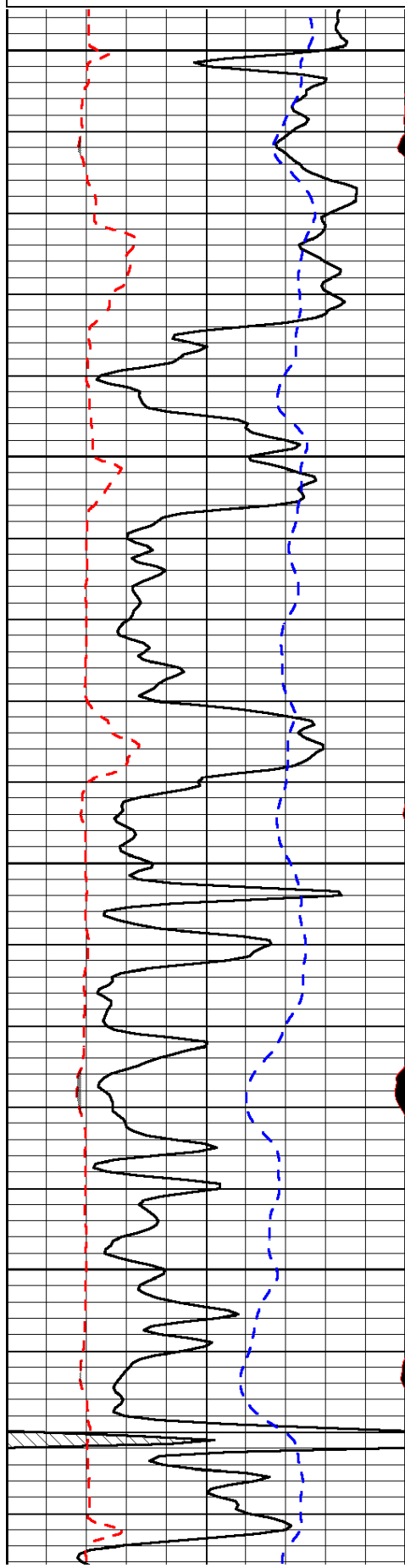
Thank you for using Log-Tech, Inc.
(785) 625-3858

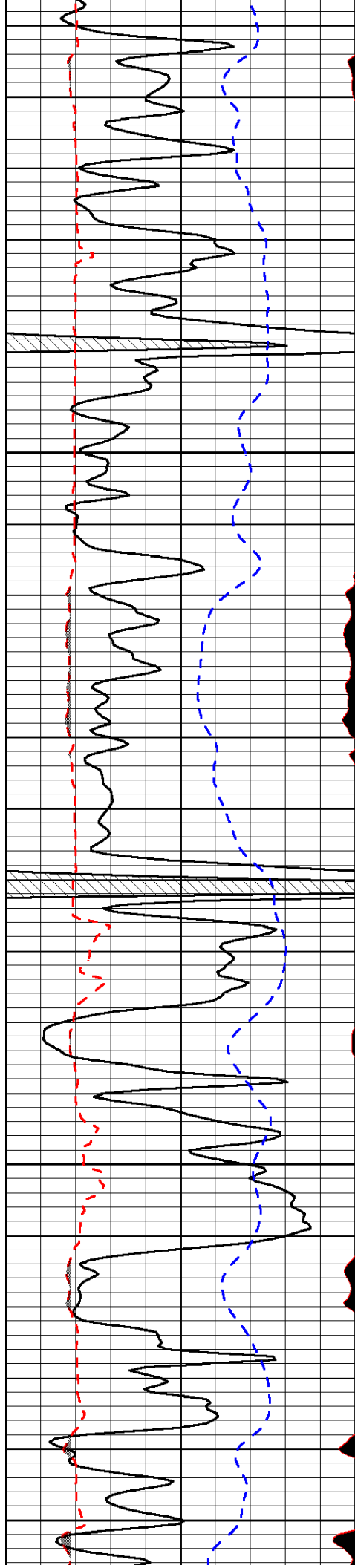
Russell Kansas
North to Mellard Rd, West to 180th, 2 1/2 North, West Into

Database File: americanwarrior_eulert_18_35hd.db
Dataset Pathname: DIL/awstk
Presentation Format: micro
Dataset Creation: Tue Nov 05 10:58:40 2013
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:2.15		
0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0
		LSPD (ft/min)





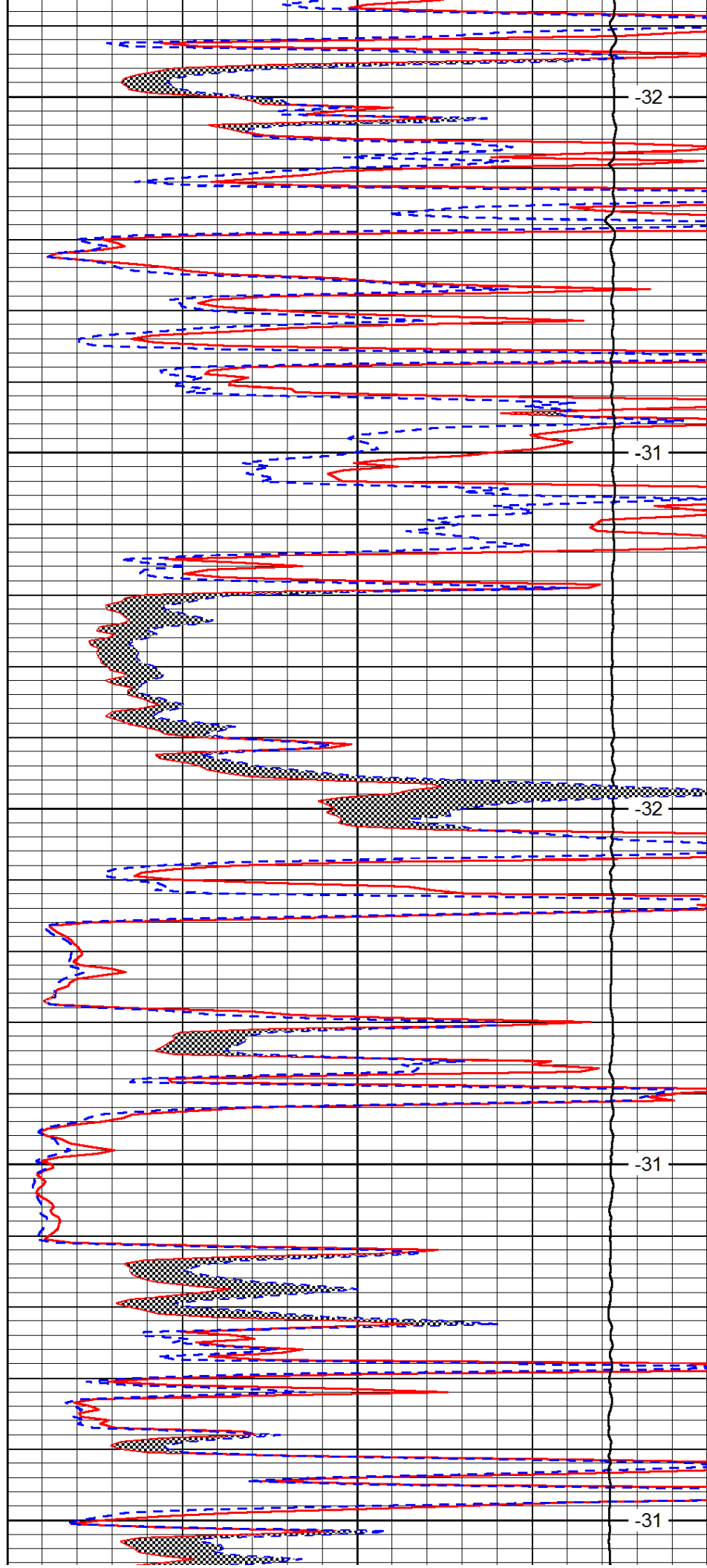
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2850

2900

2950

3000



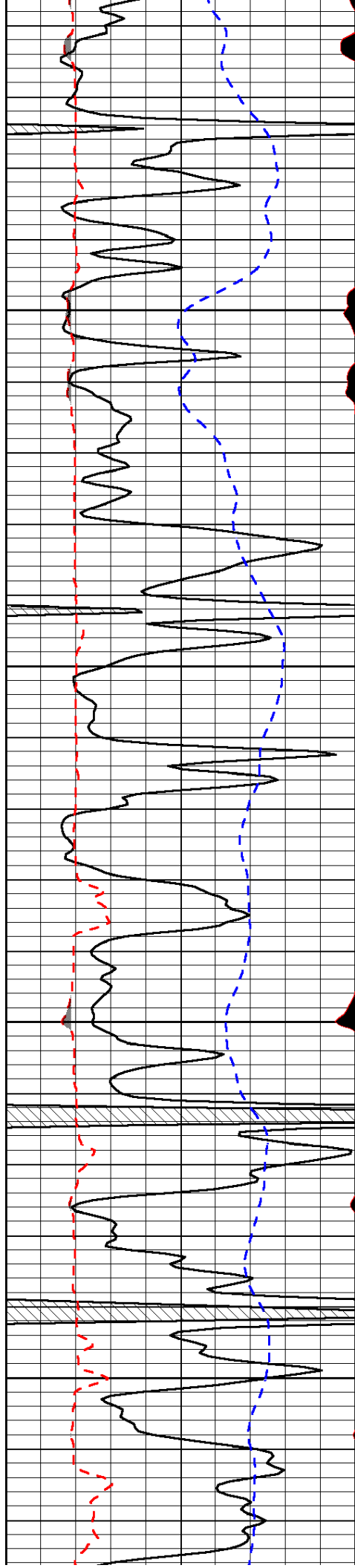
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-31

-32

-31

-31

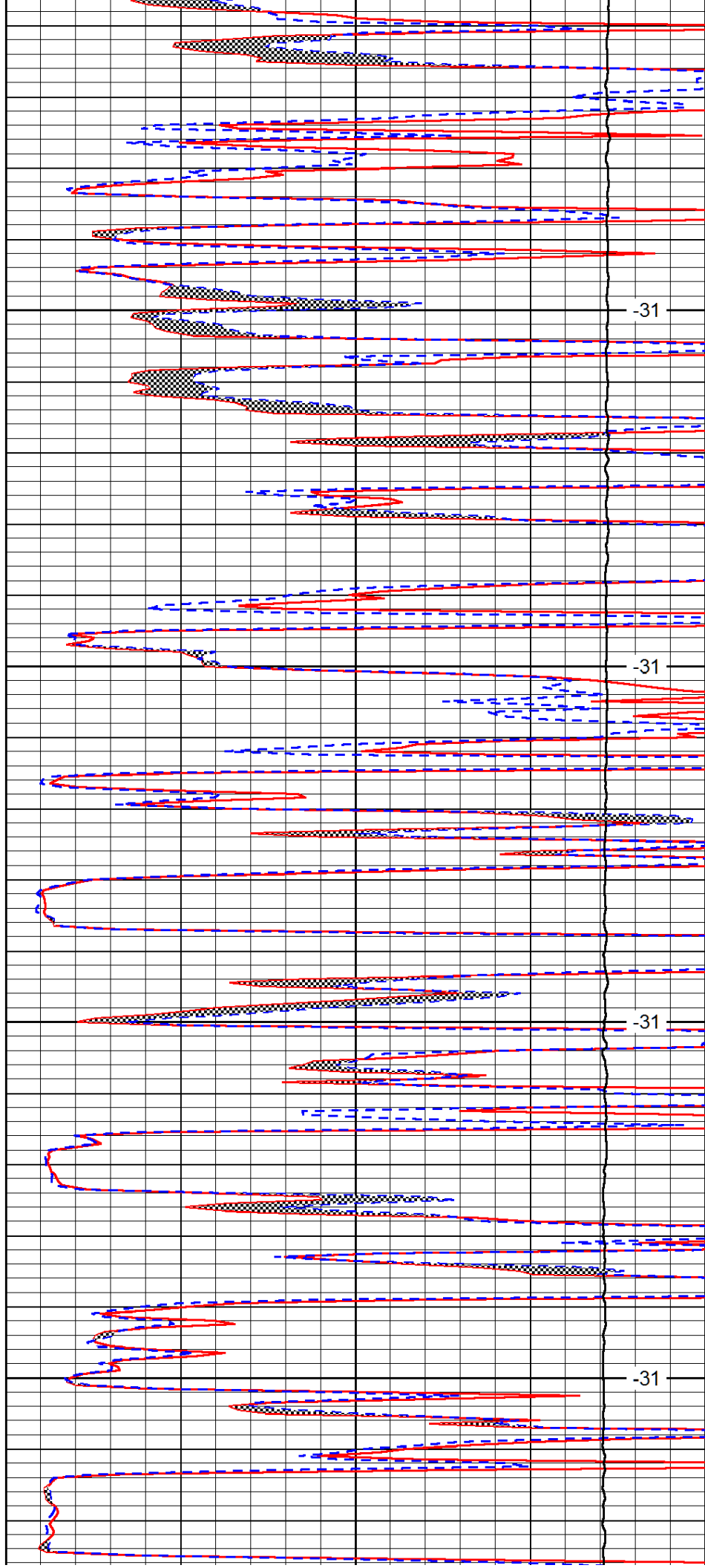


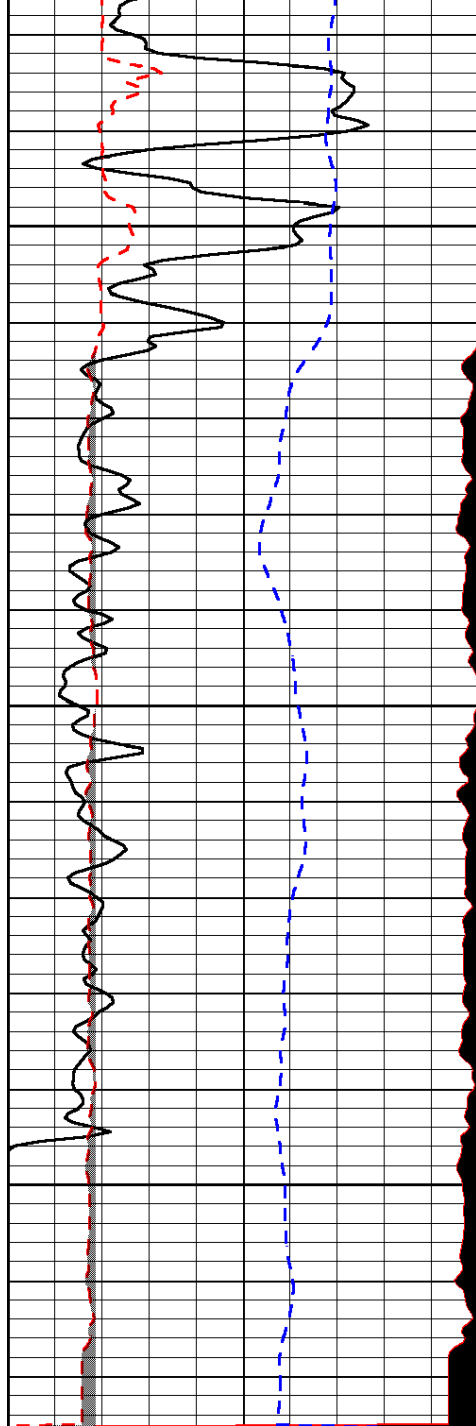
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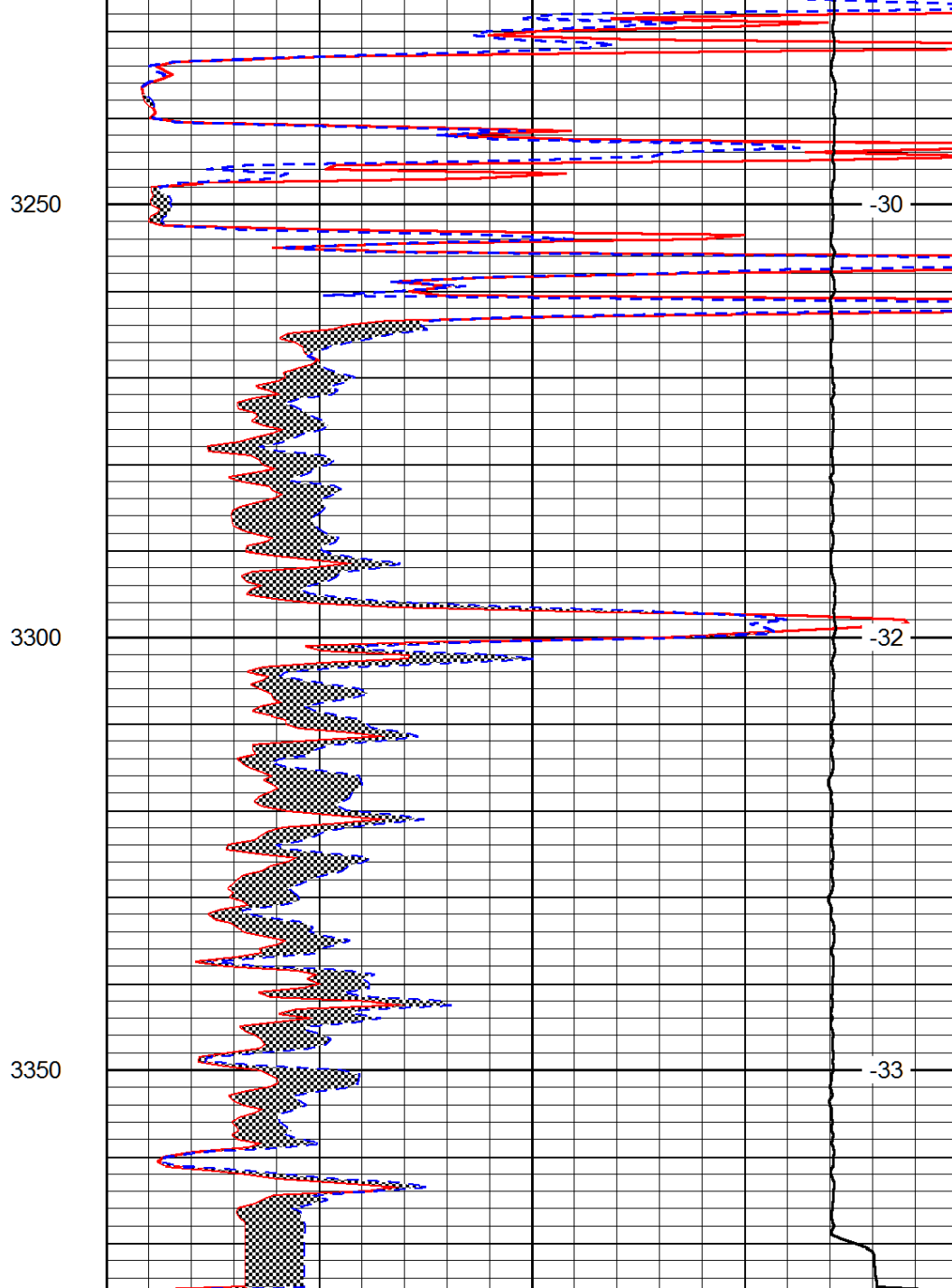
3150

3200





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