



Microresistivity Log

Pioneer Energy Services

API No.

15-055-22264-00-00

Company American Warrior, Inc.

Well Congdon #10-28

Field Congdon

County Finney State Kansas

Location 335' FSL & 1248' FEL

Sec: 28

Twp: 23S

Rge: 32W

Other Services
CNL/CDL
DIL/BHCS

Permanent Datum Ground Level Elevation 2846
Log Measured From Kelly Bushing 12 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 1/11/2014

Run Number Two

Depth Driller 4850

Depth Logger 4851

Bottom Logged Interval 4850

Top Log Interval 3800

Casing Driller 8.625 @ 1115

Casing Logger 1116

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 3000

Density / Viscosity 9.5 50

pH / Fluid Loss 9.0 8.0

Source of Sample Flowline

Rm @ Meas. Temp 1.20 @ 38

Rmf @ Meas. Temp 0.90 @ 38

Rmc @ Meas. Temp 1.62 @ 38

Source of Rmf / Rmc Charts

Rm @ BHT 0.36 @ 127

Operating Rig Time 5 Hours

Max Rec. Temp. F 127

Equipment Number 91

Location Hays

Recorded By D. Schmidt

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.

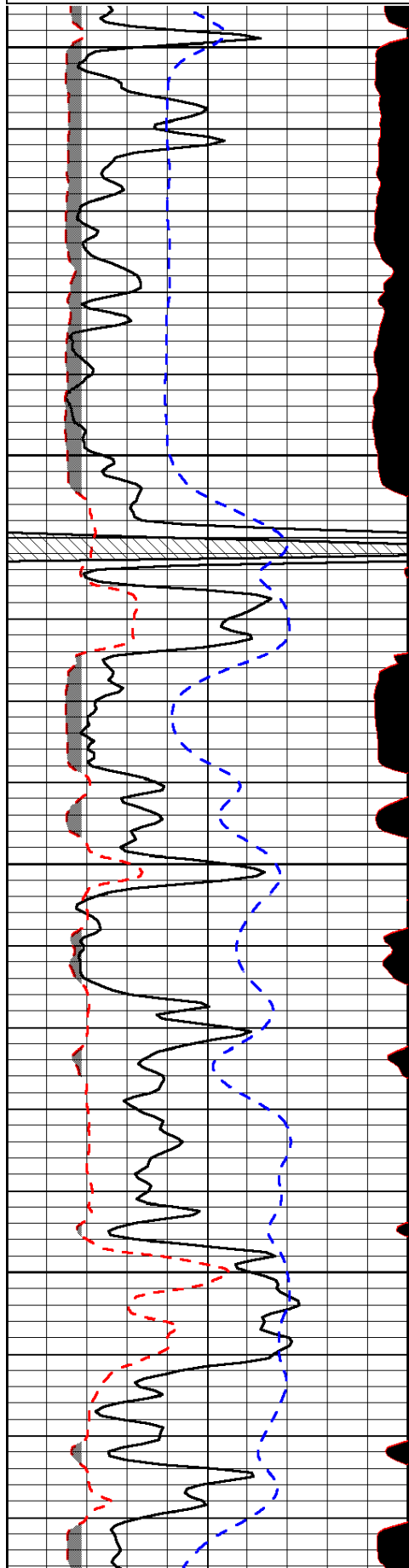
Comments

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

Garden City,
North on Hwy 83 to Rodkey Rd, 2 3/4 East,
North into

Database File: aw_010114hd.db
Dataset Pathname: dil/awstck
Presentation Format: micro
Dataset Creation: Wed Jan 01 11:45:38 2014
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0



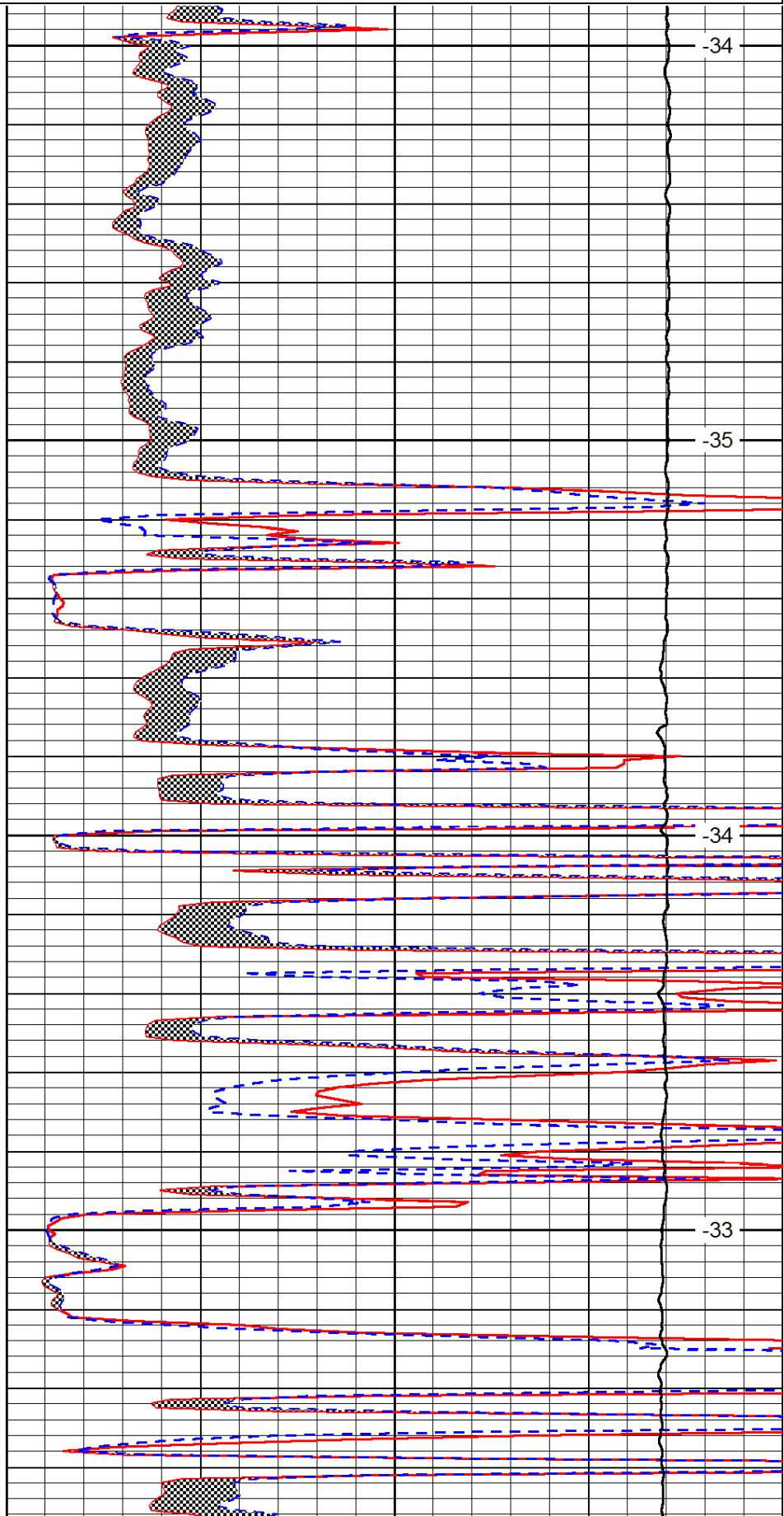
3800

3850

3900

3950

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

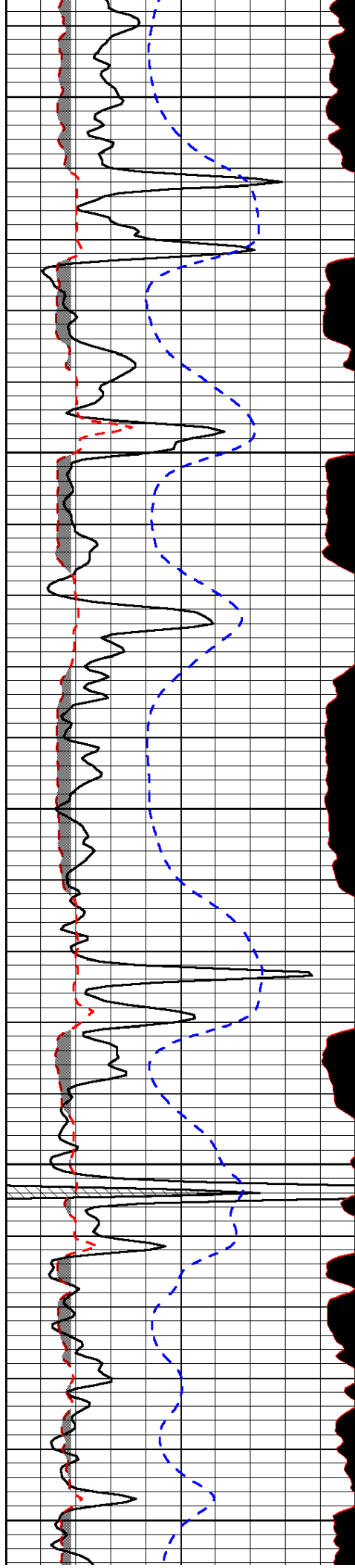


-34

-35

-34

-33



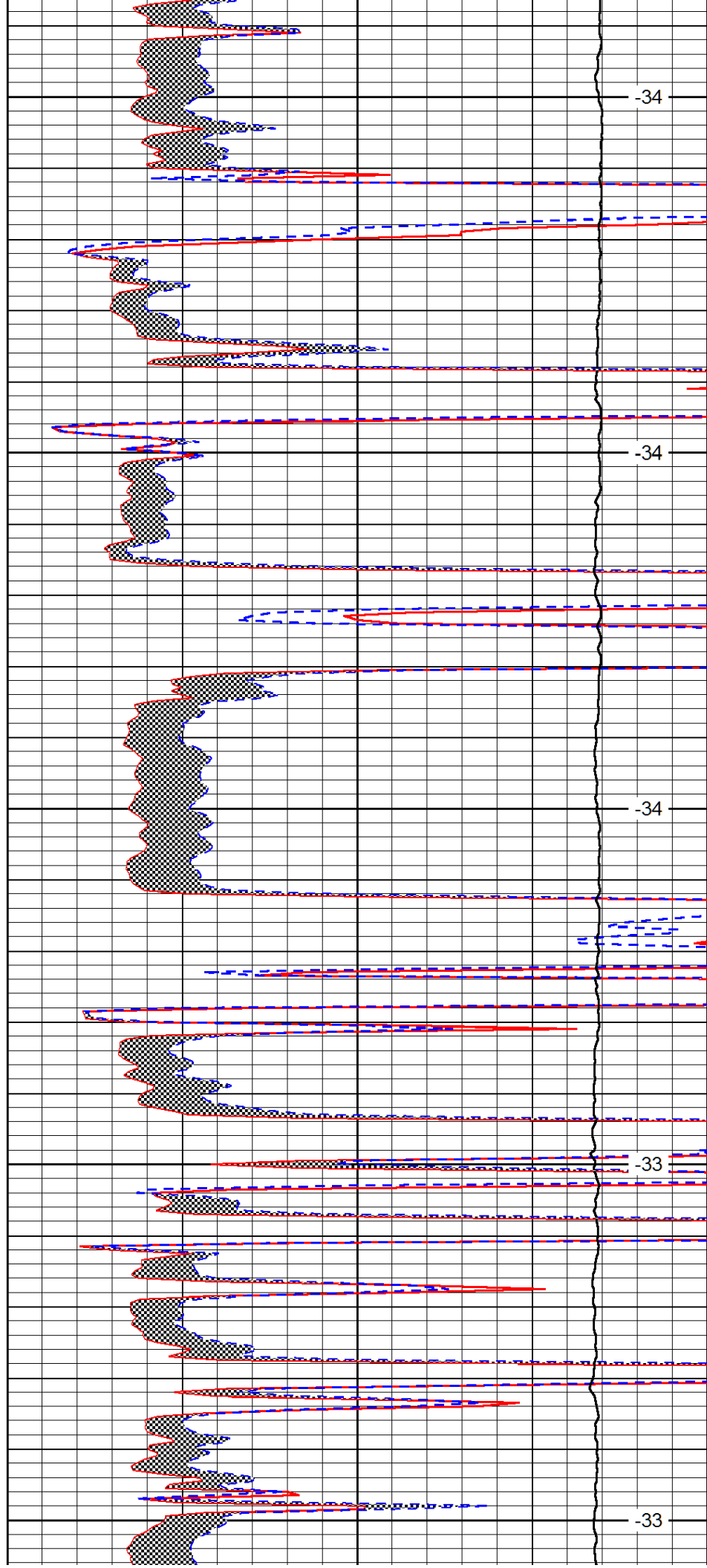
4000

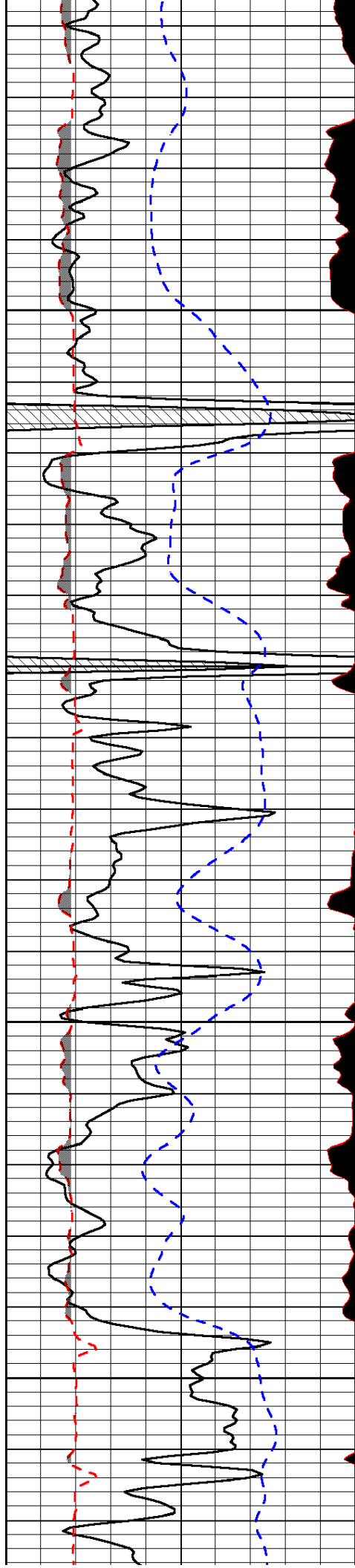
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4100

4150

4200



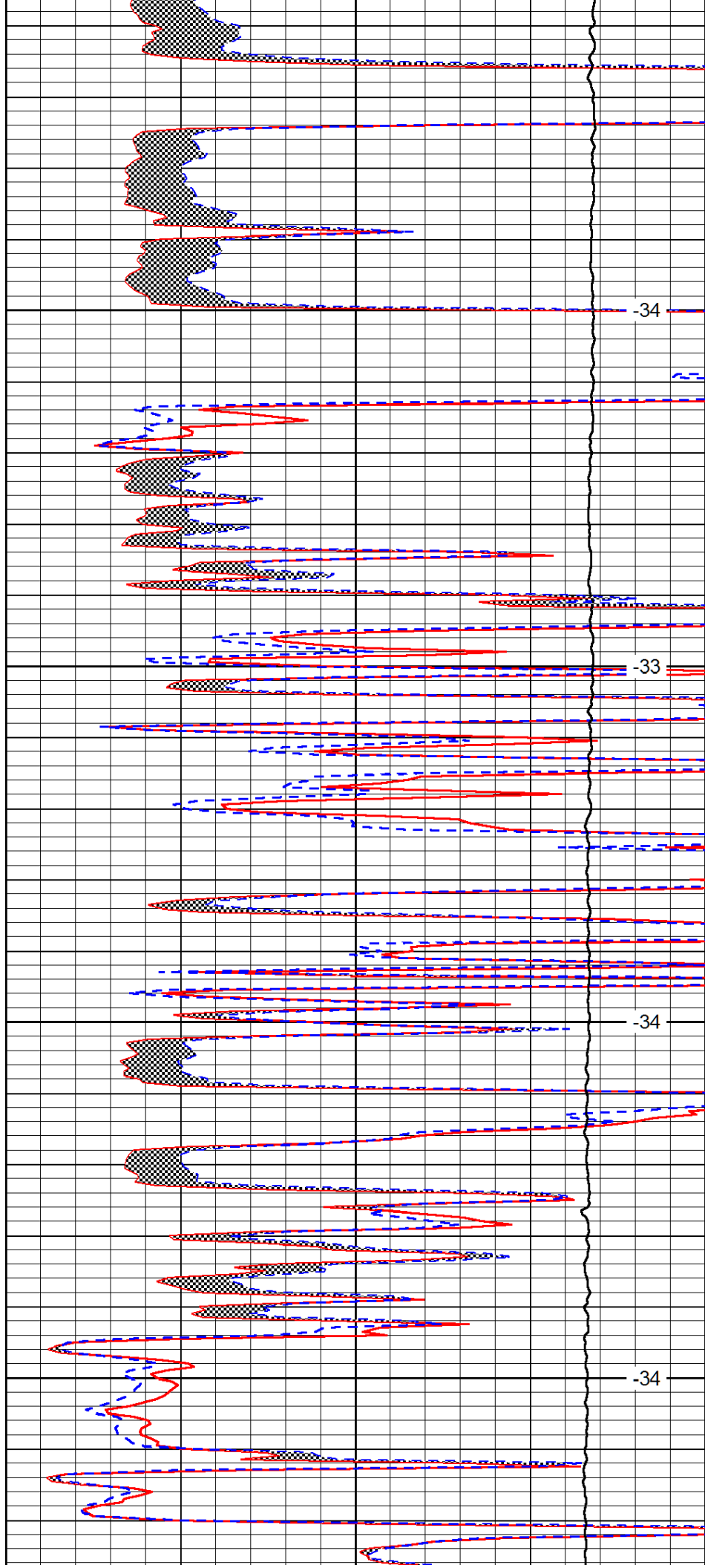


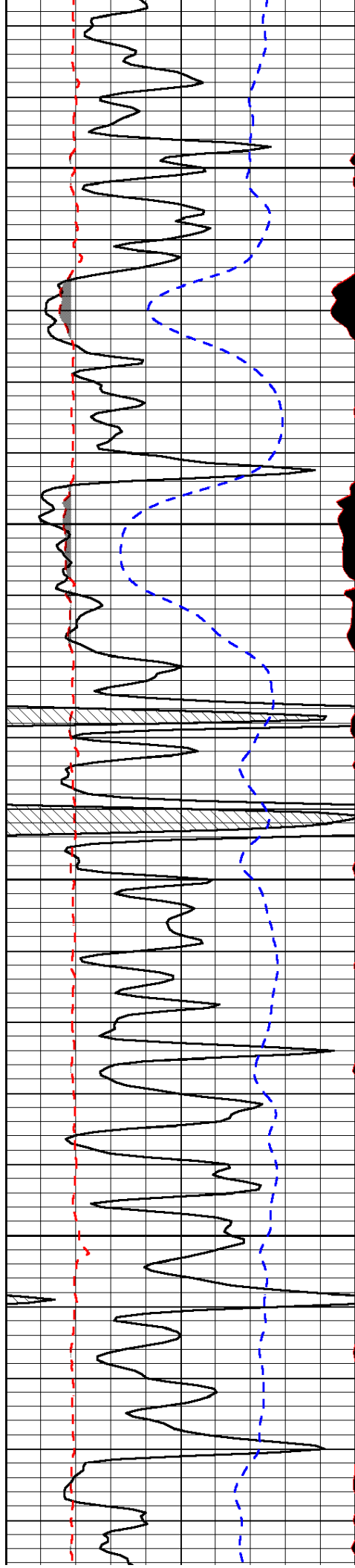
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4300

4350

4400



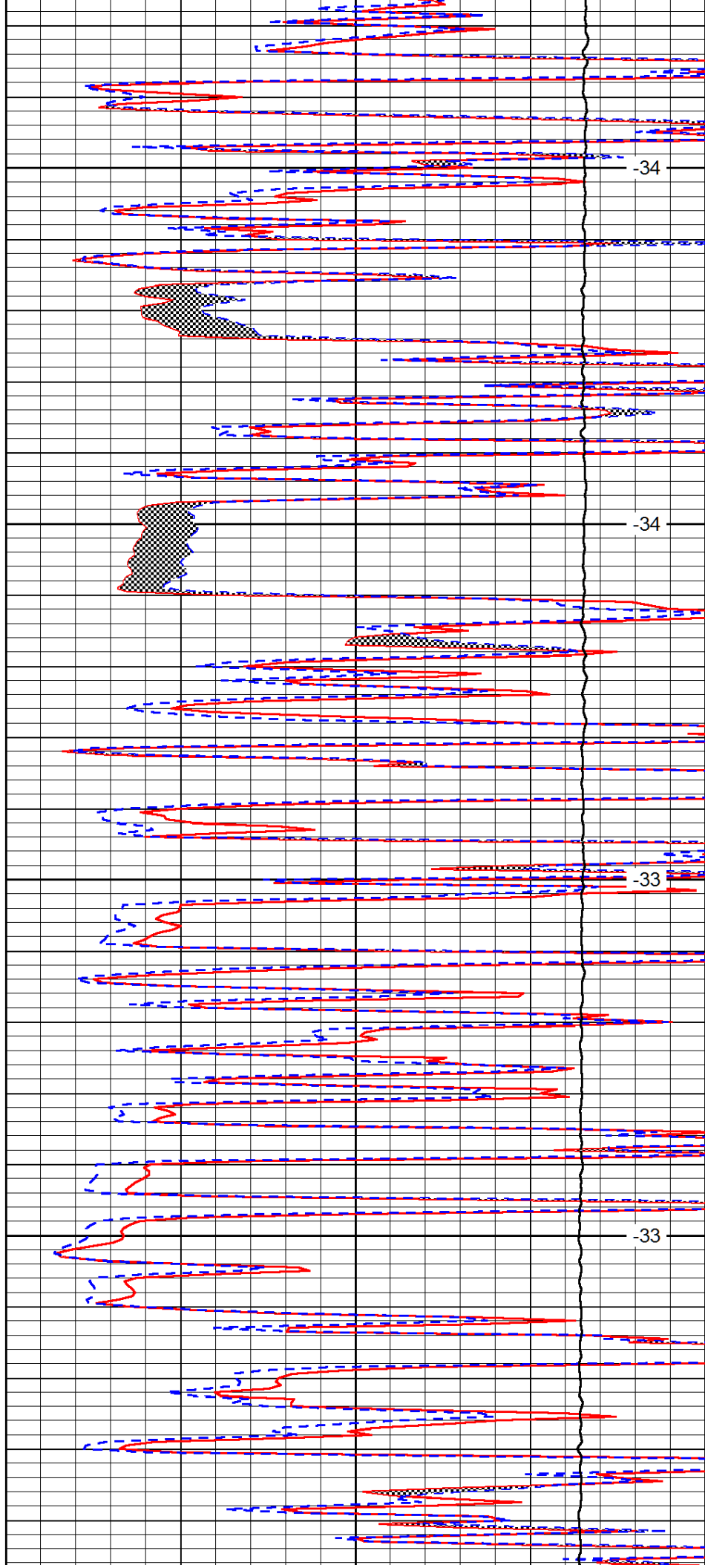


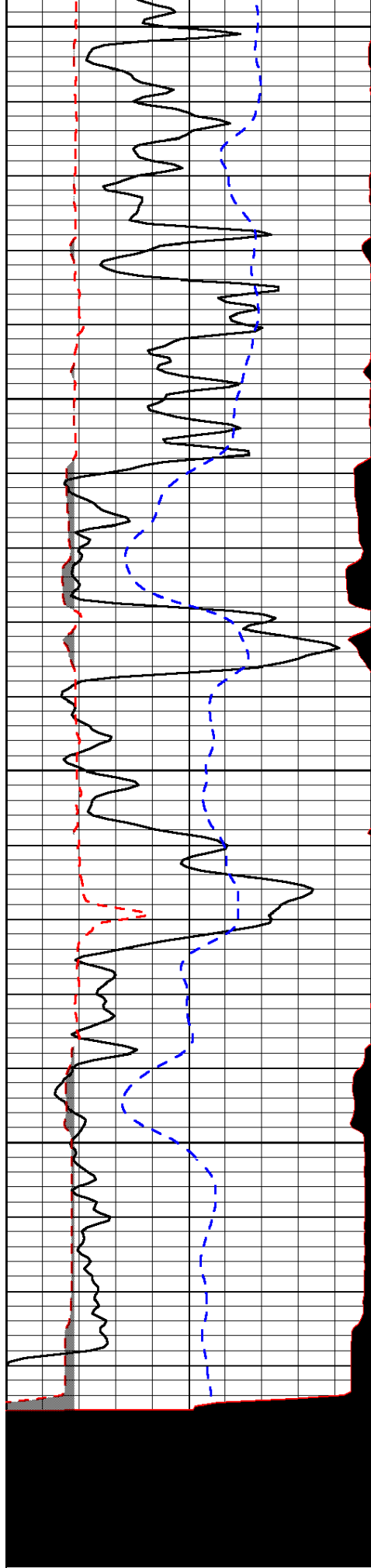
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4500

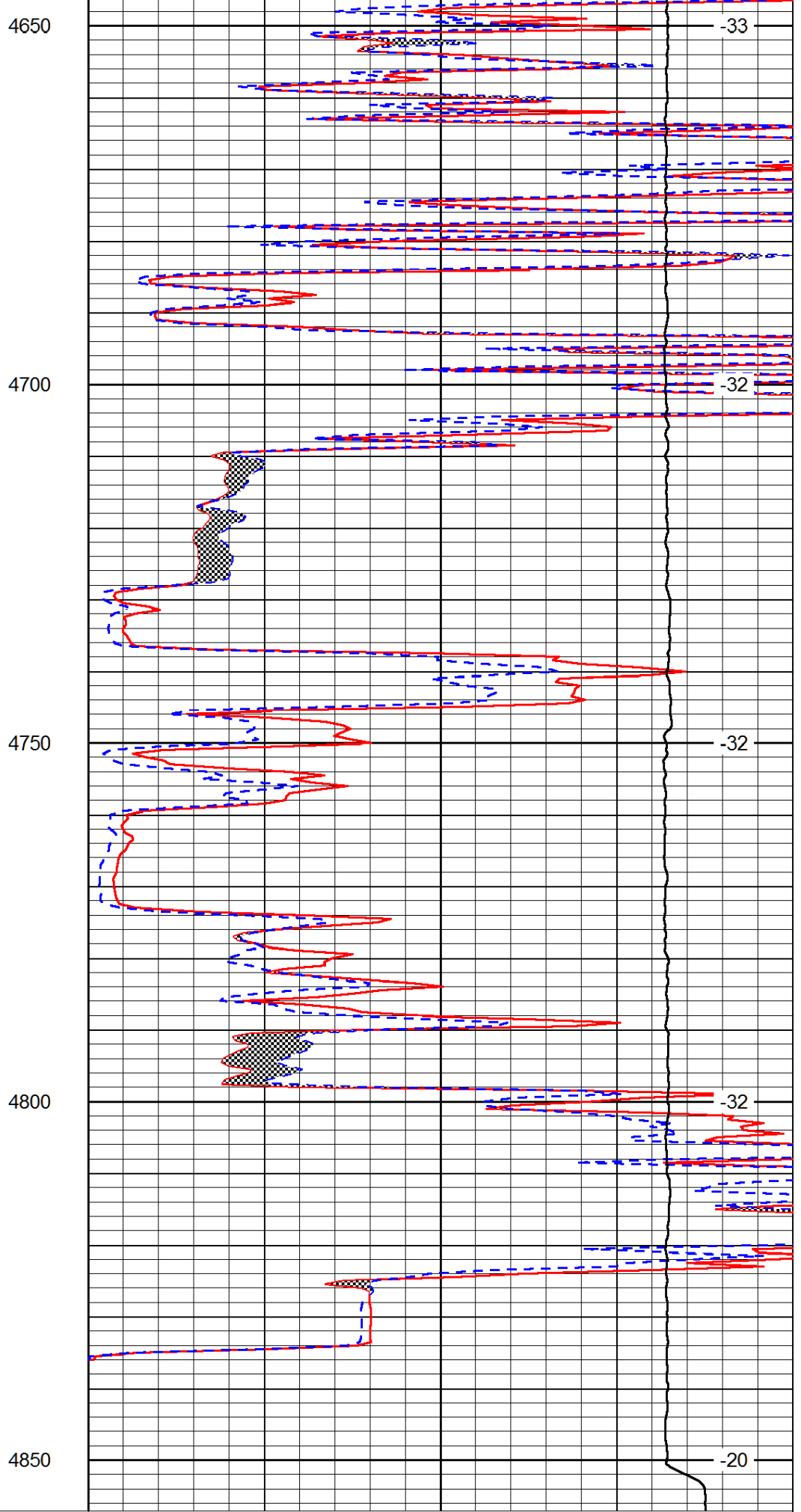
4550

4600





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