



Pioneer Energy Services

Microresistivity Log

API No.

15-055-22,368-00-00

Company American Warrior, Inc.

Well Six-M No. 1-23

Field Hugoton Gas Area

County Finney

State

Kansas

Location

2309' FNL & 1345' FWL

Other Services
CNL/CDL
DIL/BHCS

Sec: 23

Twp: 22s

Rge: 34w

Elevation

Permanent Datum Ground Level Elevation 2929
Log Measured From Kelly Bushing 13 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2942
D.F.
G.L. 2929

Date

12/22/2014

Run Number

Two

Depth Driller

4950

Depth Logger

4951

Bottom Logged Interval

4950

Top Log Interval

3750

Casing Driller

8.625 @ 1768

Casing Logger

1764

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

1400

Density / Viscosity

9.2 46

pH / Fluid Loss

9.5 8.0

Source of Sample

Flowline

Rm @ Meas. Temp

1.20 @ 70

Rmf @ Meas. Temp

.90 @ 70

Rmc @ Meas. Temp

1.62 @ 70

Source of Rmf / Rmc

Charts

Rm @ BHT

.67 @ 126

Operating Rig Time

5 Hours

Max Rec. Temp. F

126

Equipment Number

108

Location

Hays

Recorded By

D. Fischer

Witnessed By

Luke Thompson

<<< Fold Here >>>

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

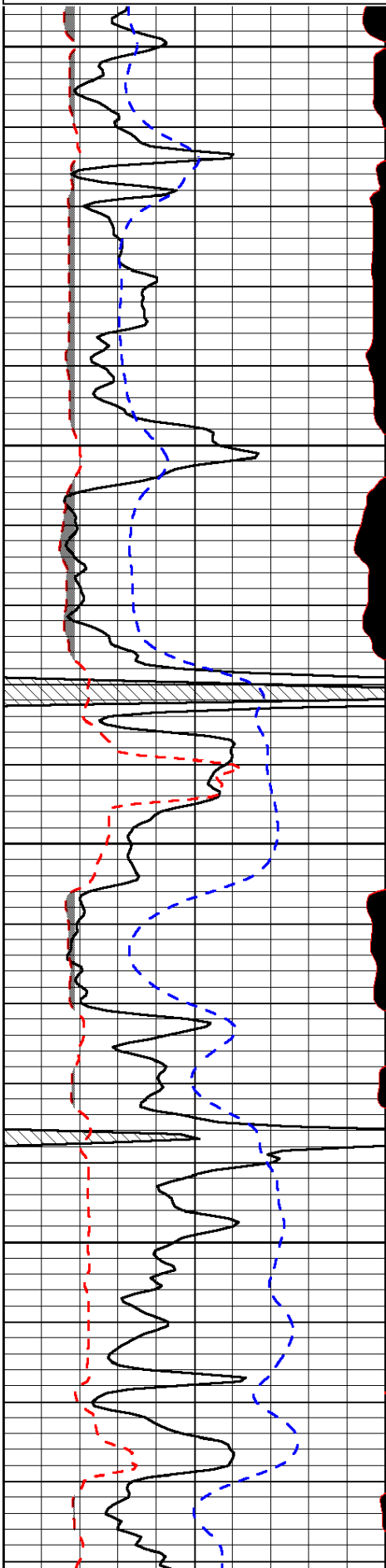
Thank you for using Log-Tech, Inc.
(785) 625-3858

Scott City Ks., South to Tennis Rd., West to Big Lowe Rd., South to Miller Rd.,
2 West, 1/2 North, East Into.

Database File: american_warrior_six_m_1-23hd.db
Dataset Pathname: DIL/amstck
Presentation Format: micro
Dataset Creation: Mon Dec 22 02:53:25 2014
Charted by: Depth in Feet scaled 1:240

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

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0
		LSPD

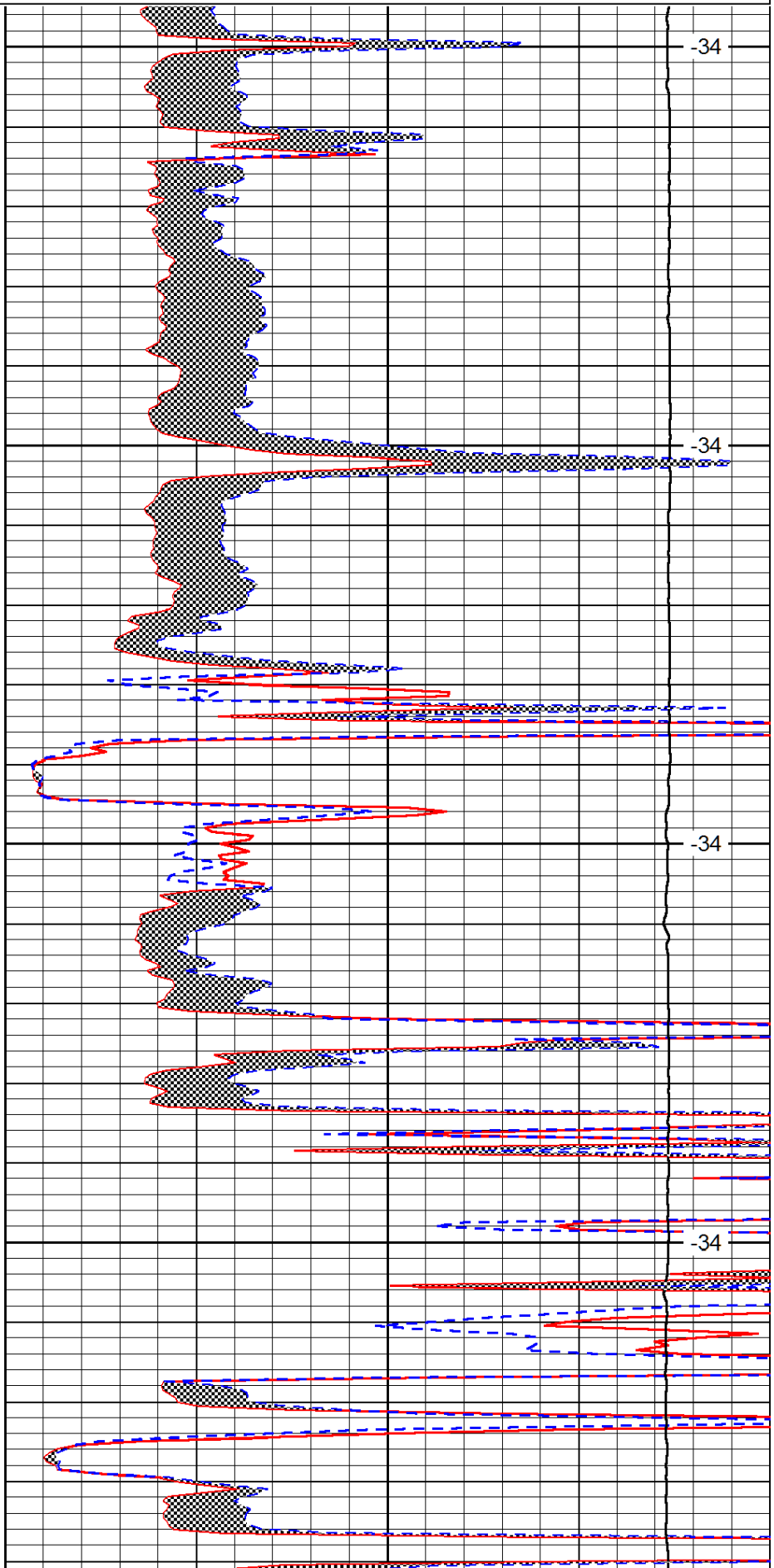


3750

3800

3850

3900

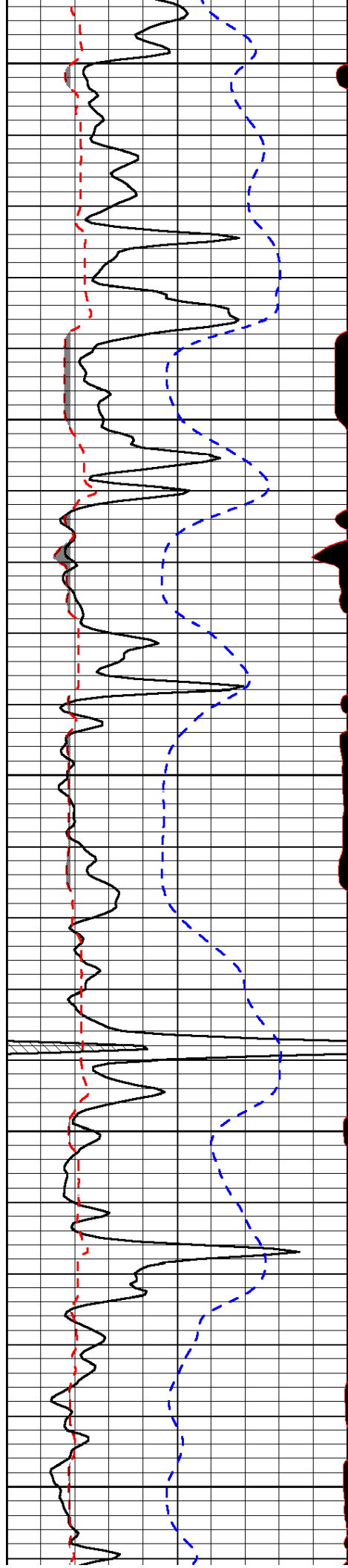


-34

-34

-34

-34



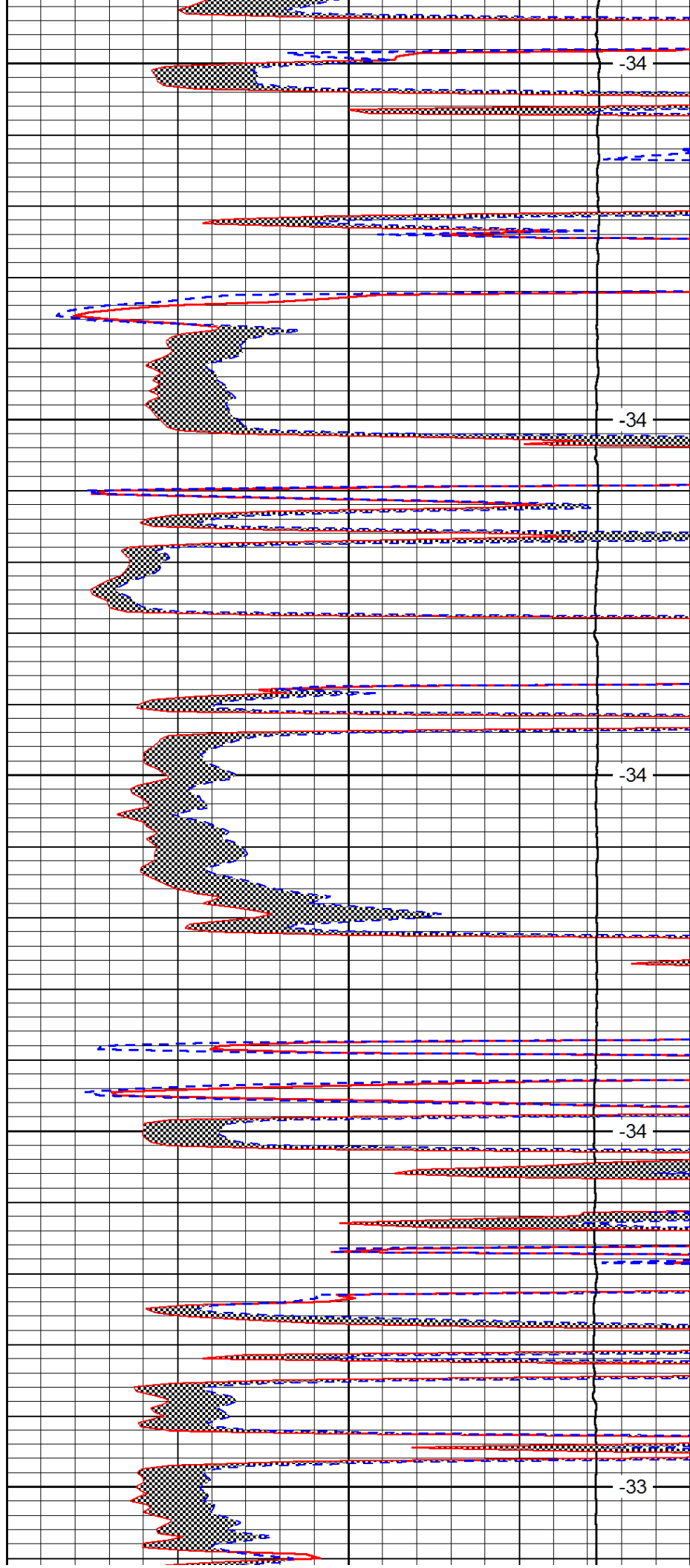
3950

4000

4050

4100

4150



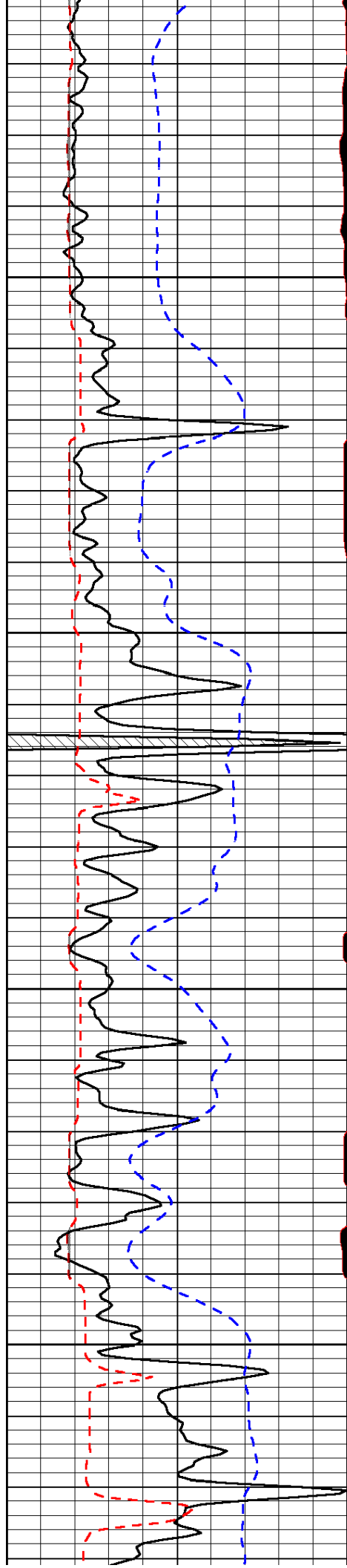
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-34

-34

-34

-33

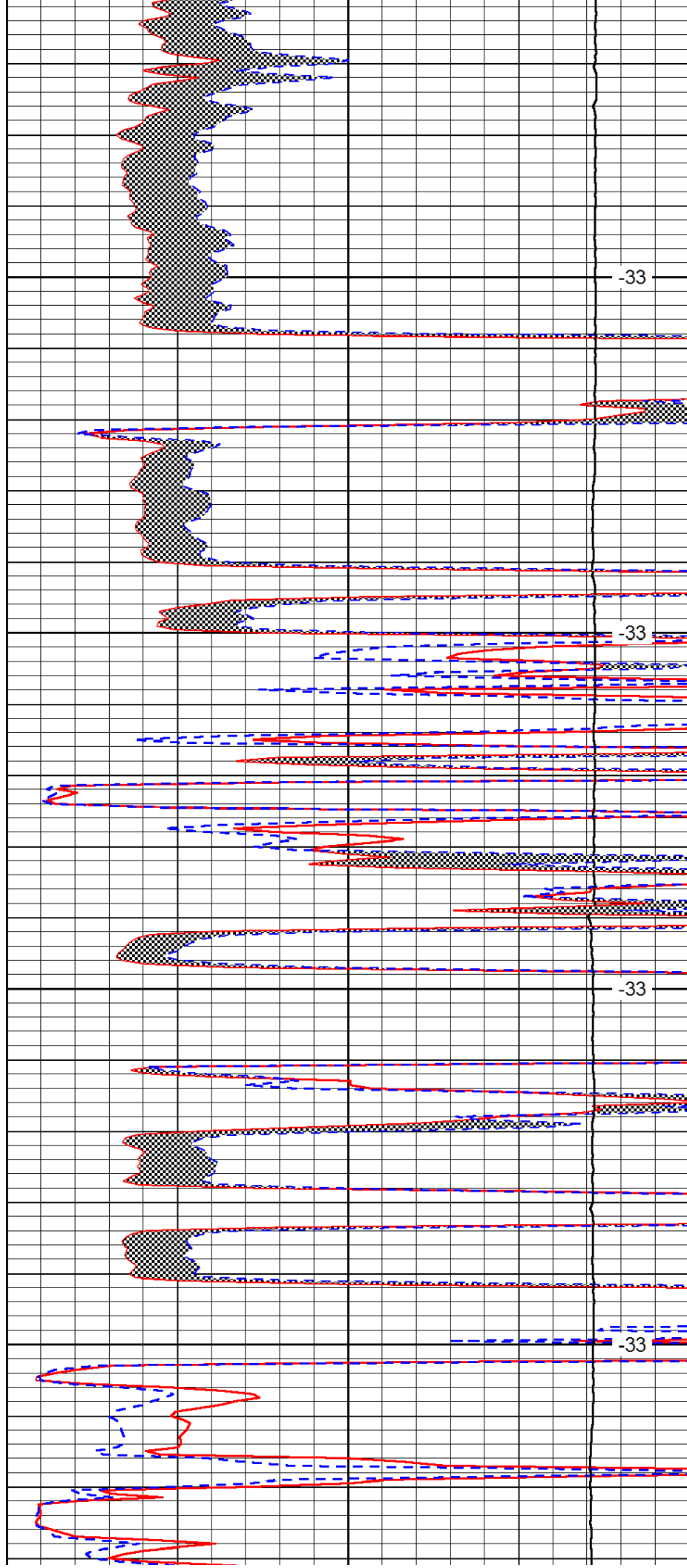


4200

4250

4300

4350

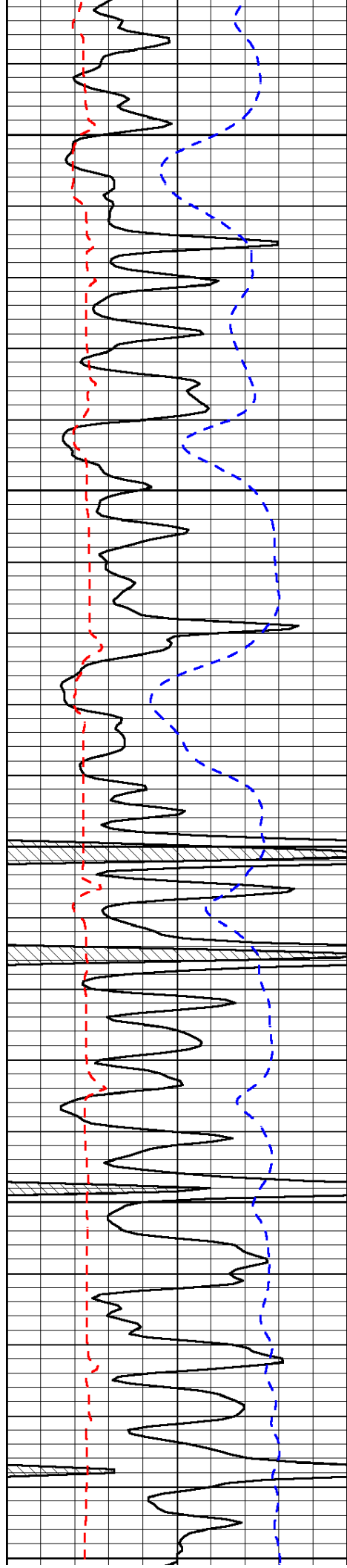


-33

-33

-33

-33



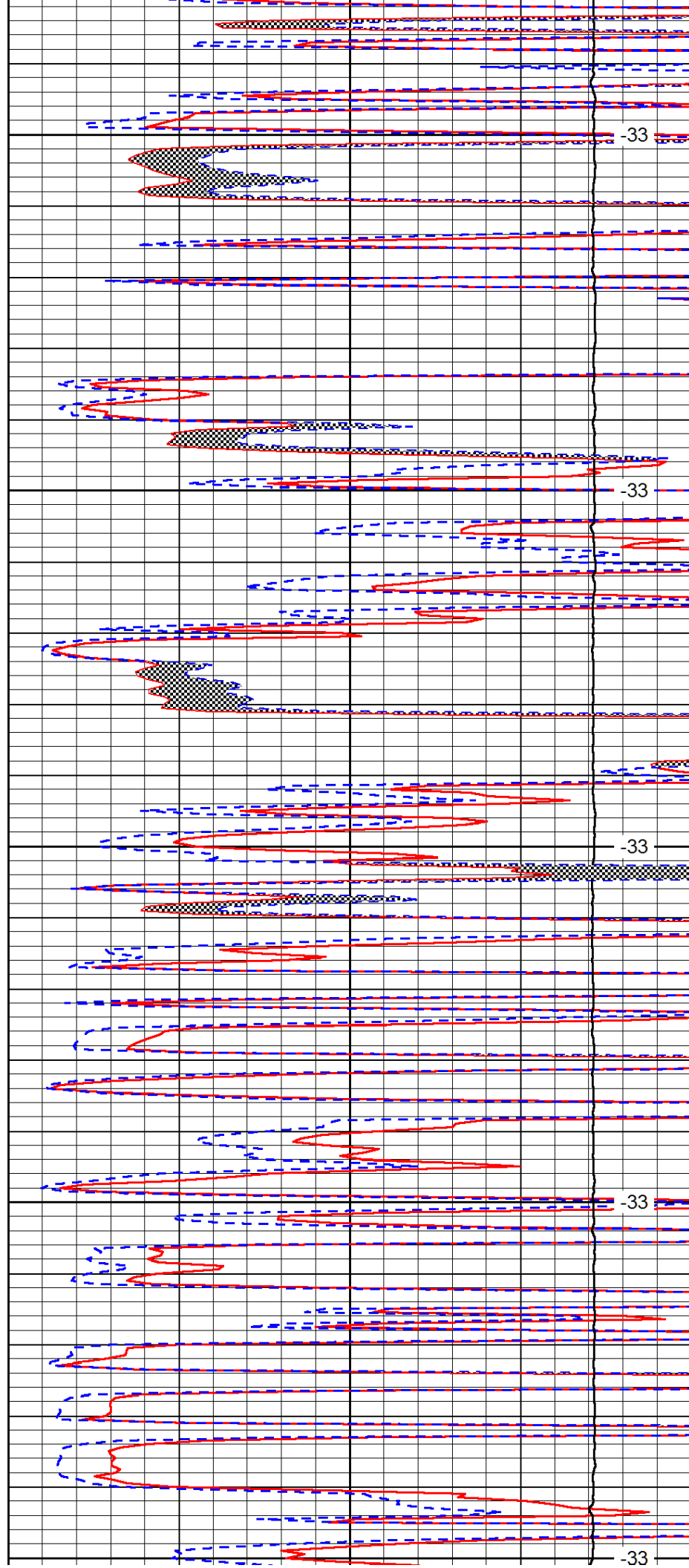
4400

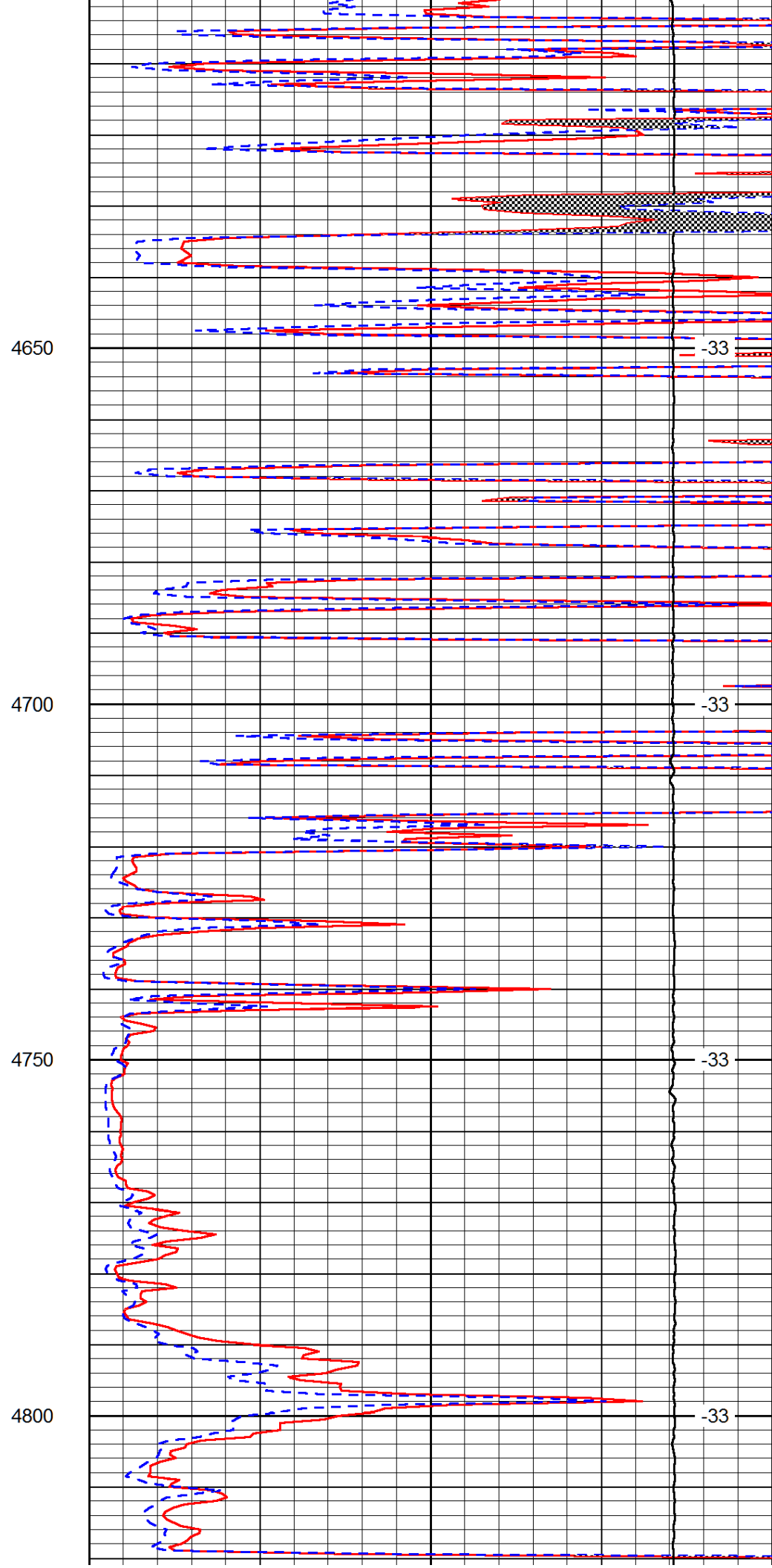
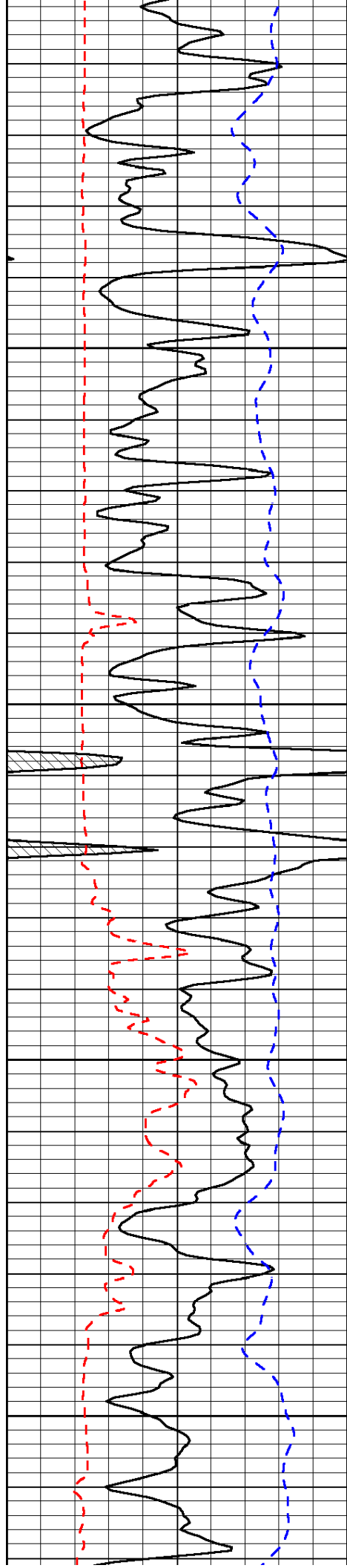
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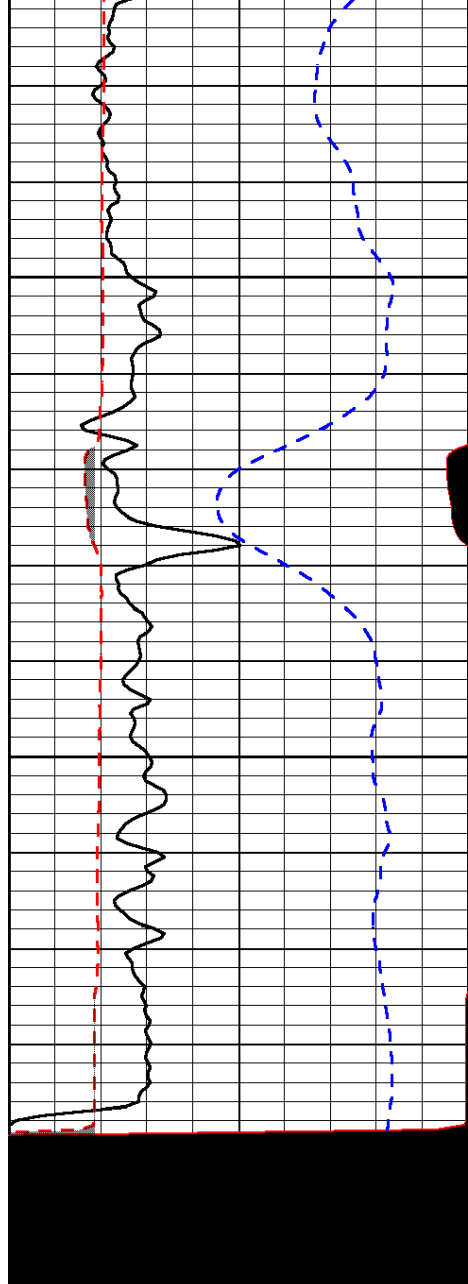
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4550

4600





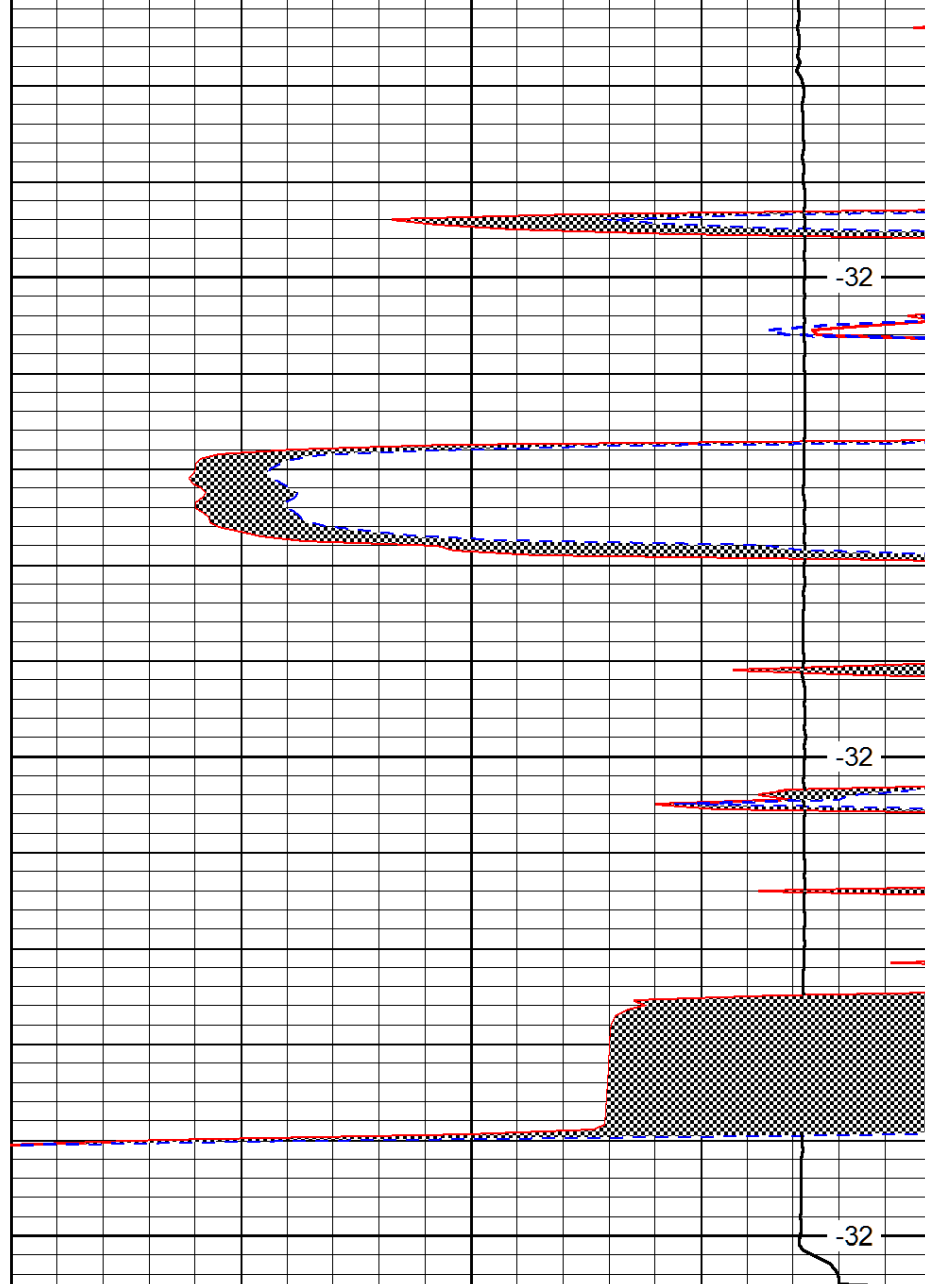


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