



Microresistivity Log

Pioneer Energy Services

API No.

15-051-26,706-00-00

Company TDI, Inc.

Well Werth Trust No. 1

Field Zimm

County Ellis State

Kansas

Location

NE-NE-SW-SW
1225' FSL & 1190' FWL

Other Services
CNL/CDL
DIL

Sec: 26

Twp: 15S

Rge: 19W

Elevation

Permanent Datum Ground Level Elevation 1995
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2005
D.F. 1995
G.L. 1995

Date

7/3/14

Run Number

Two

Depth Driller

3700

Depth Logger

3699

Bottom Logged Interval

3698

Top Log Interval

2500

Casing Driller

8.625 @ 1203

Casing Logger

1202

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

12.000

Density / Viscosity

9.2 60

pH / Fluid Loss

10.5 12.0

Source of Sample

Flowline

Rm @ Meas. Temp

.30 @ 82

Rmf @ Meas. Temp

.23 @ 82

Rmc @ Meas. Temp

.41 @ 82

Source of Rmf / Rmc

Charts

Rm @ BHT

.22 @ 113

Operating Rig Time

3 Hours

Max Rec. Temp. F

113

Equipment Number

108

Location

Hays

Recorded By

J. Henrickson

Witnessed By

Herb Deines

Tom Denning

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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

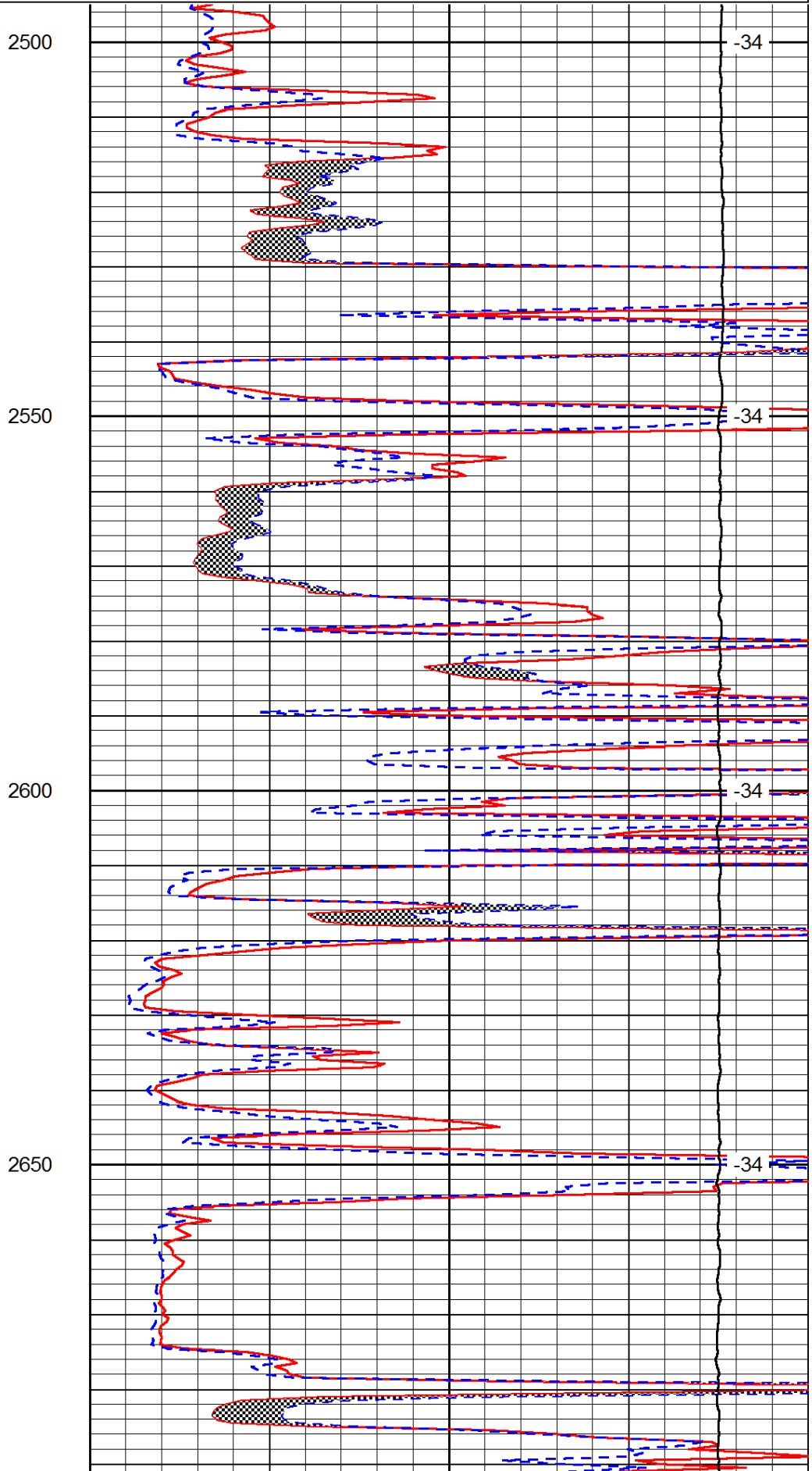
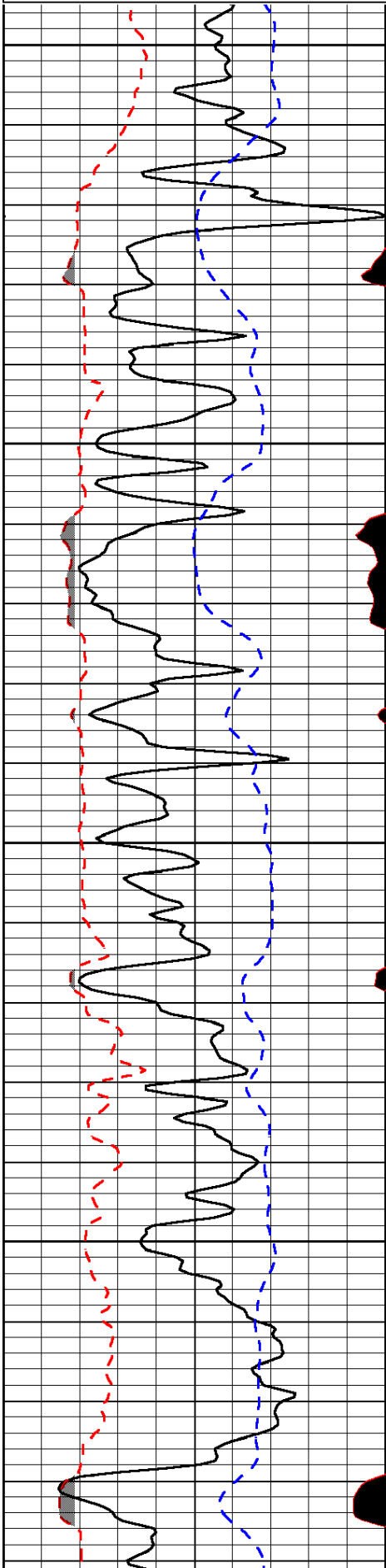
Thank you for using Log-Tech, Inc.
(785) 625-3858

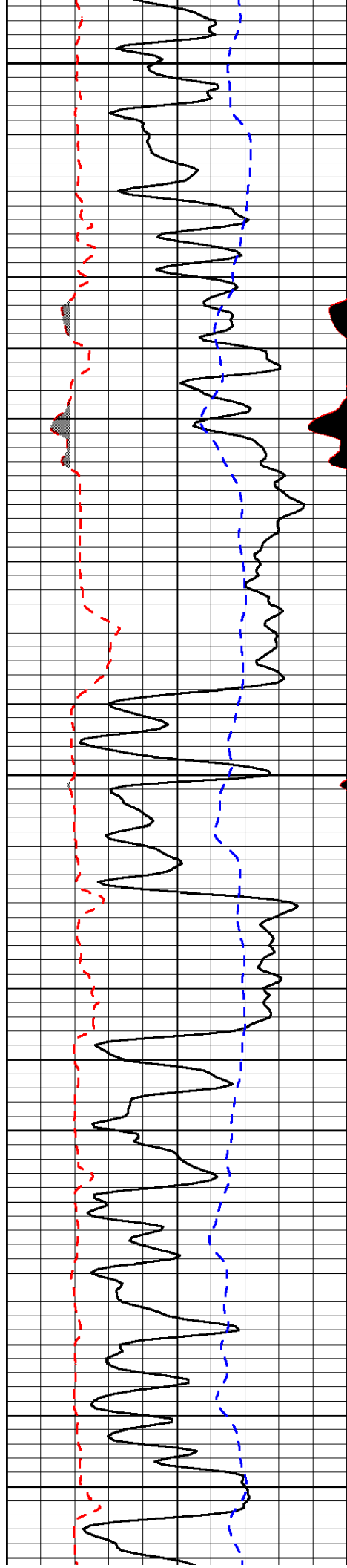
Antonino Kansas
South to Schoenchen Rd, 3/4 West, North Into

Database File: tdi_werth_trust_1hd.db
Dataset Pathname: DIL/tdistk
Presentation Format: micro
Dataset Creation: Thu Jul 03 18:20:30 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





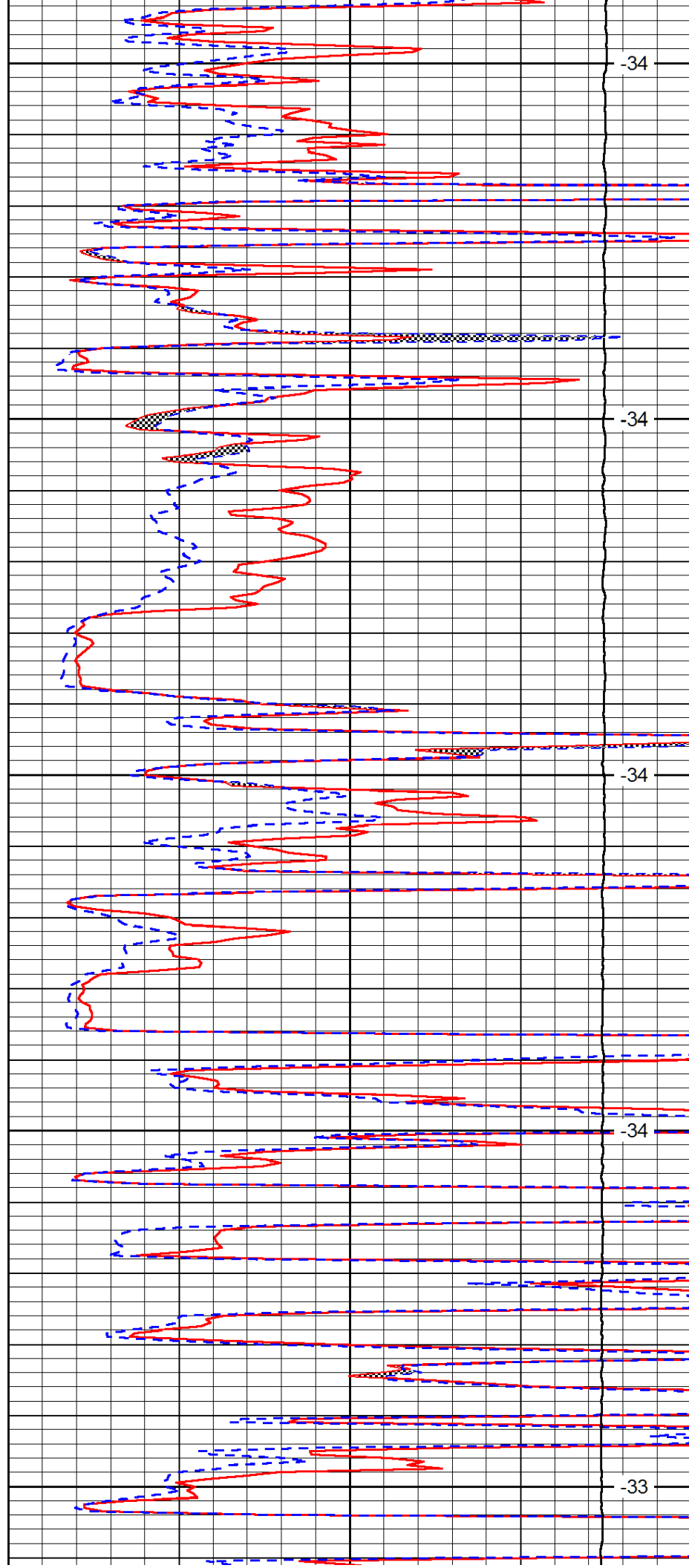
2700

2750

2800

2850

2900



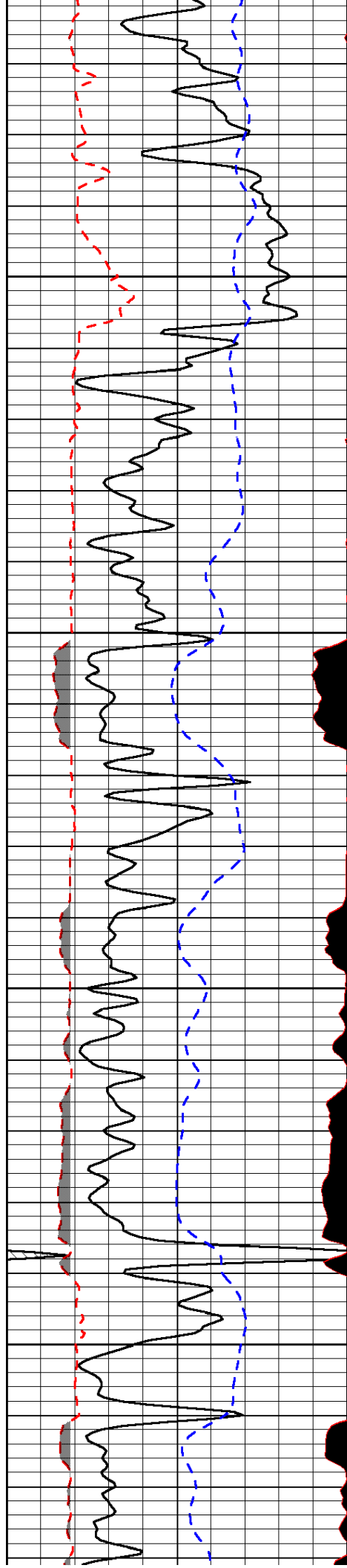
-34

-34

-34

-34

-33

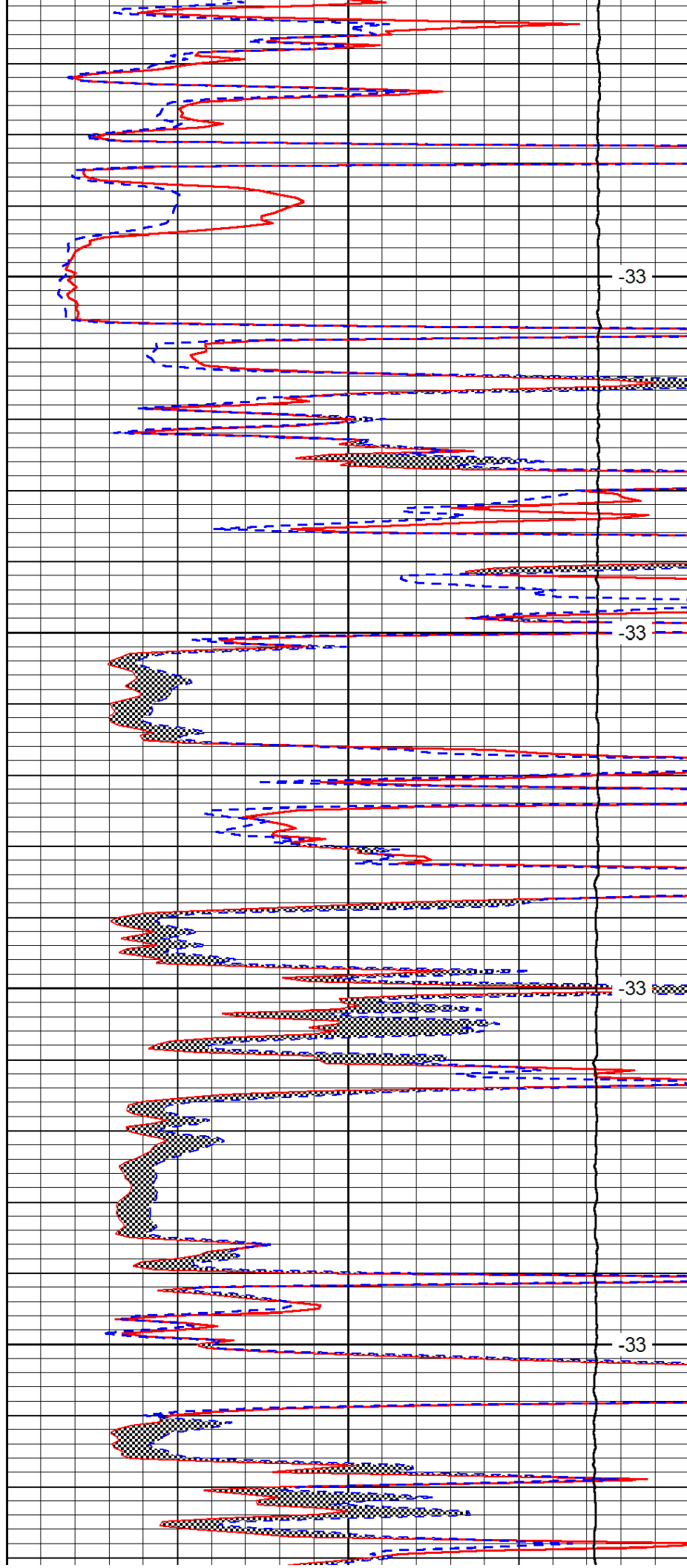


2950

3000

3050

3100

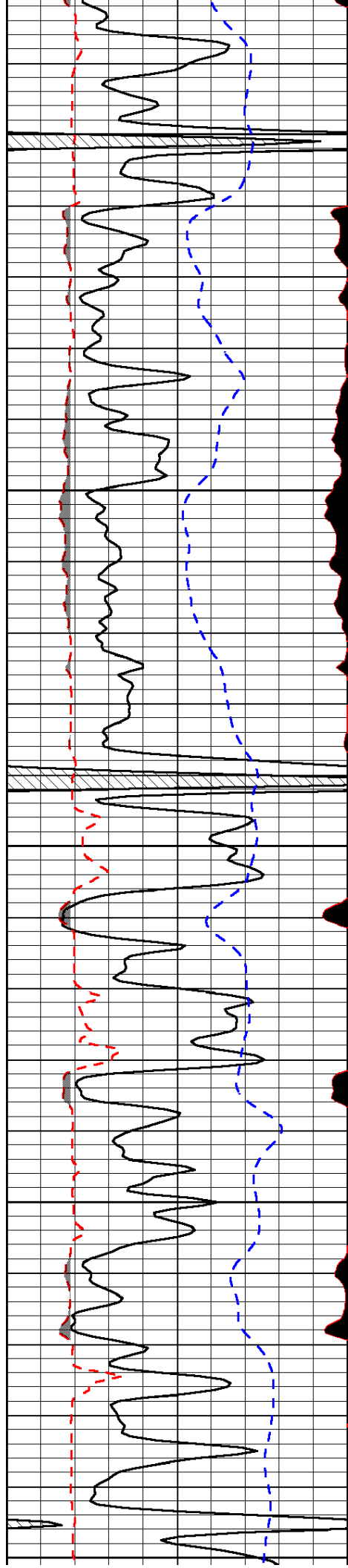


-33

-33

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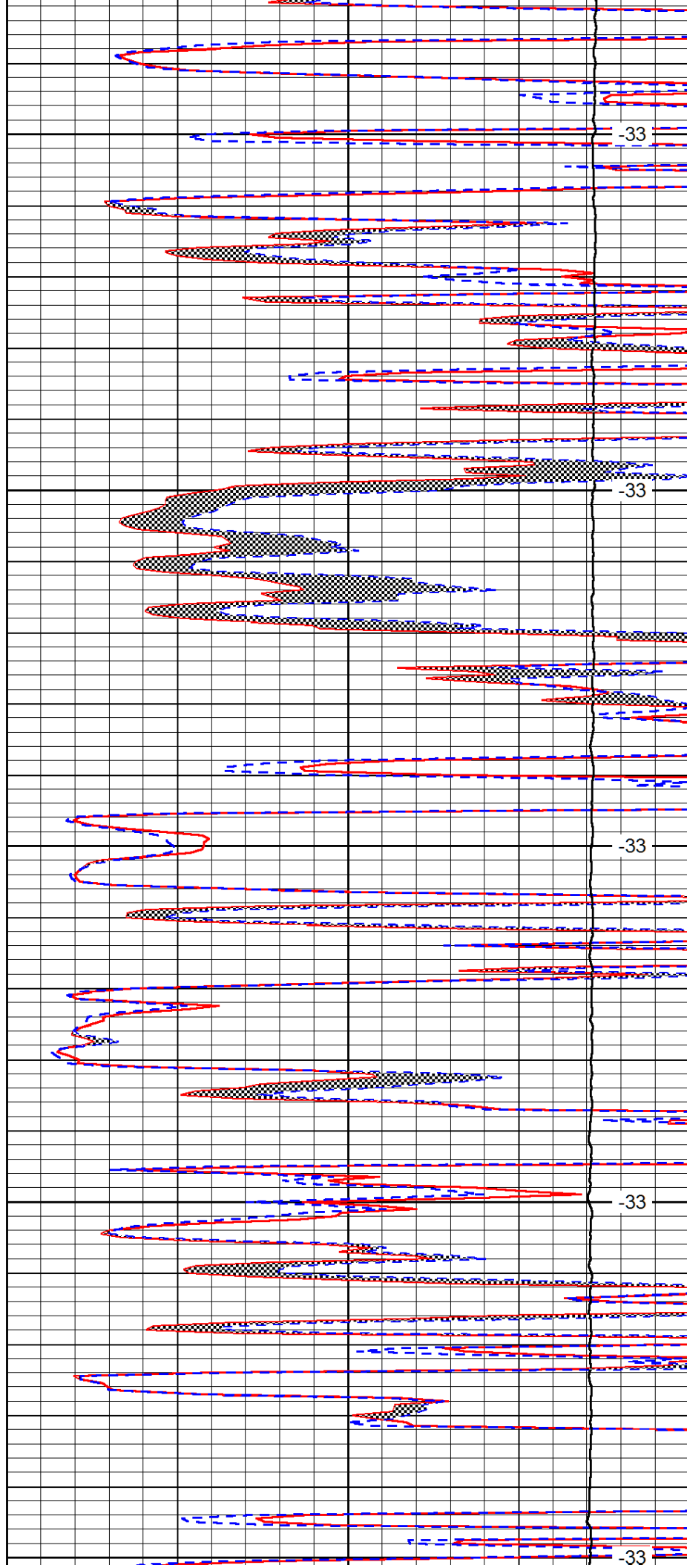
3150

3200

3250

3300

3350



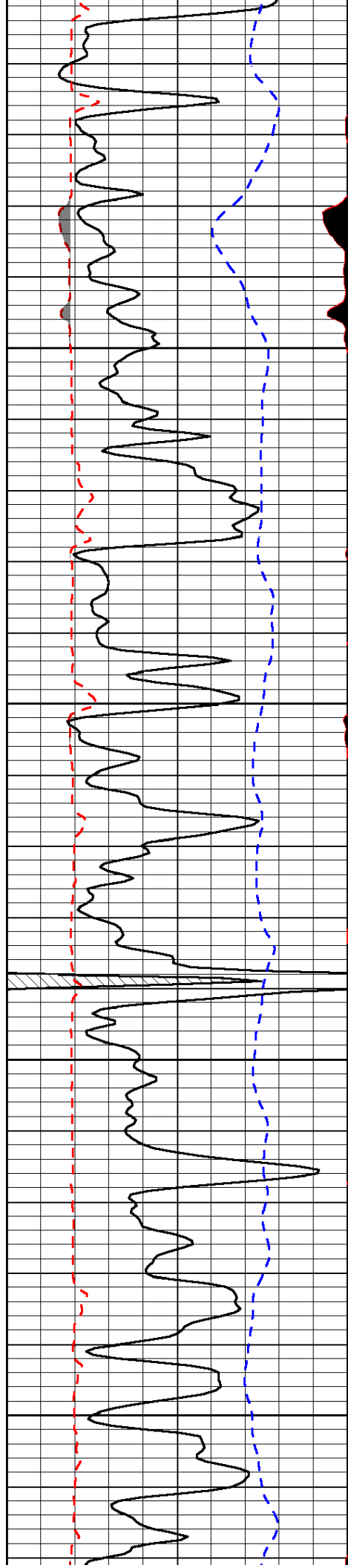
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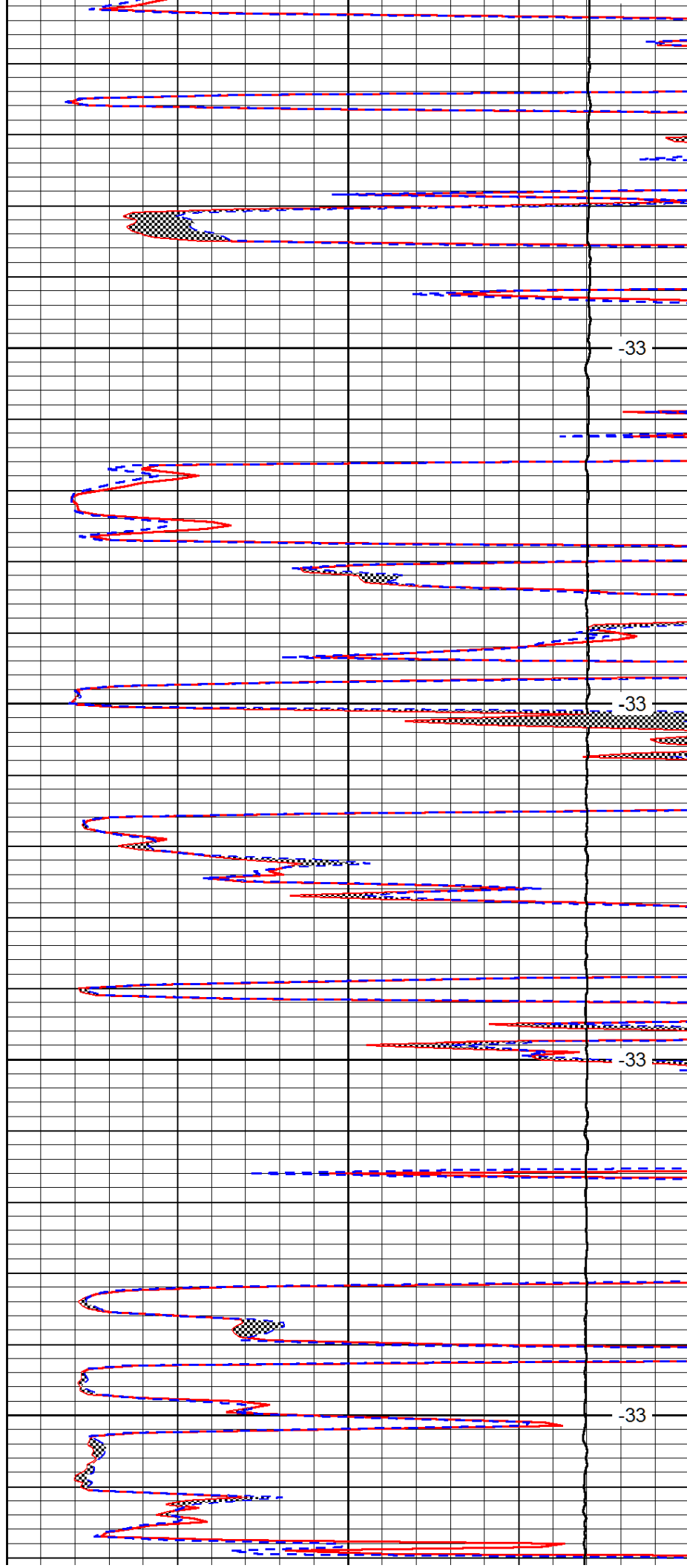


3400

3450

3500

3550

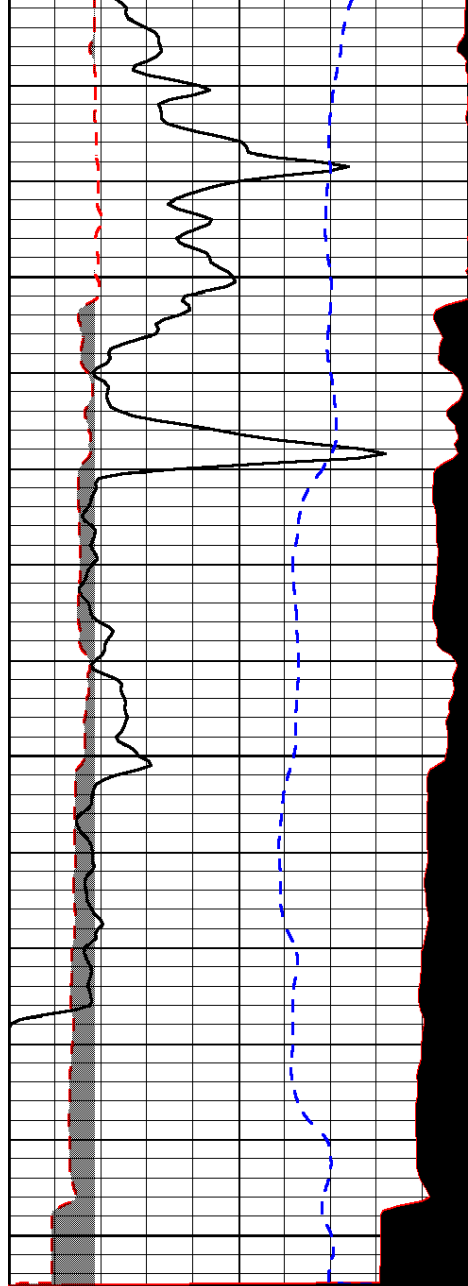


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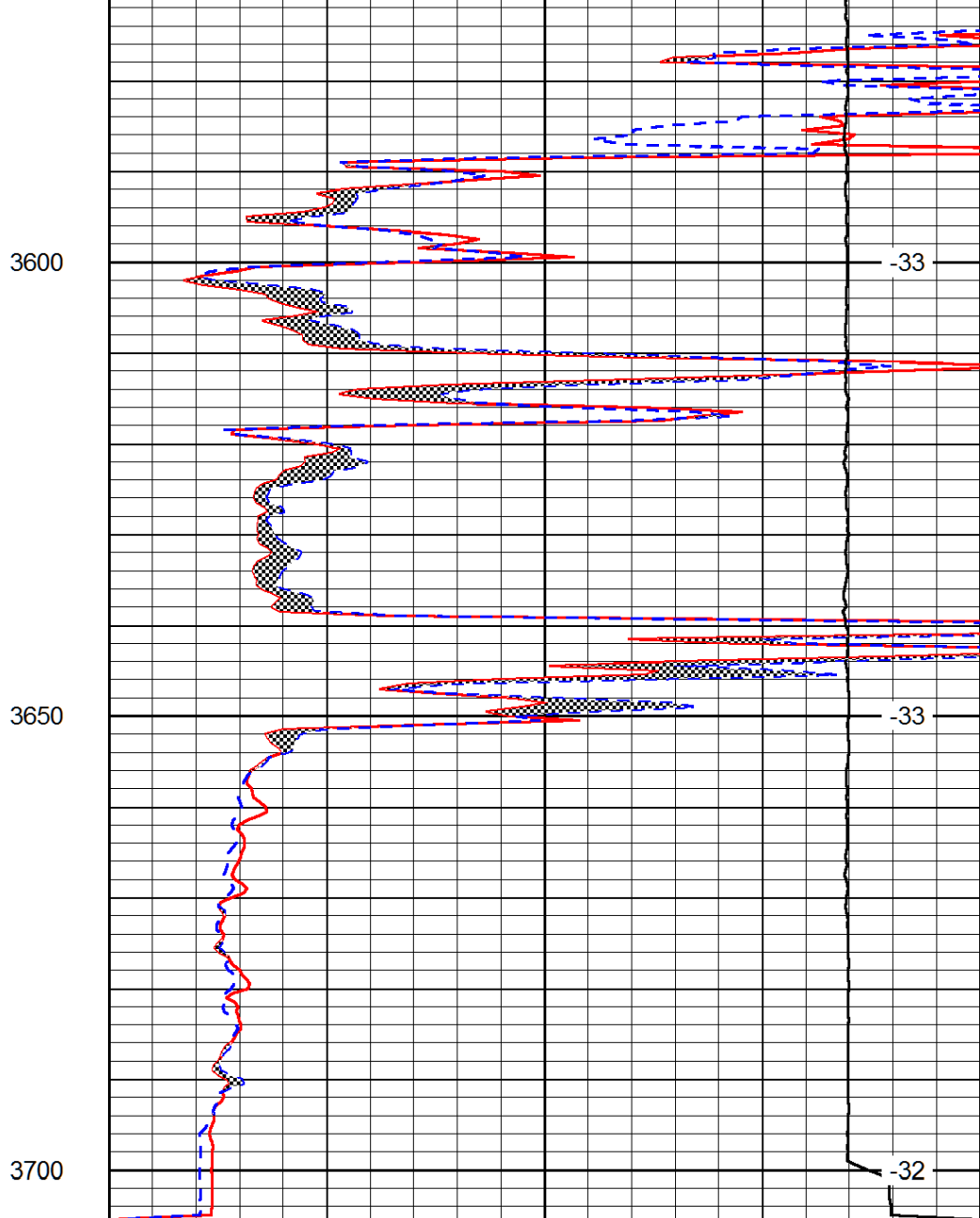
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