



Microresistivity Log

Pioneer Energy Services

API No.

15-047-21633-00-00

Company **Toto Energy, LLC**

Well **Bull Schultz #10-1**

Field **Wil**

County **Edwards**

State

Kansas

Location

1320' FNL & 1200' FWL

Sec: 10

Twp: 26S

Rge: 16W

Elevation

Permanent Datum Ground Level Elevation 2062
Log Measured From Kelly Bushing 13 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2075
D.F. 2062
G.L. 2062

Date 05-05-2014

Run Number

One

Depth Driller

4845

Depth Logger

4844

Bottom Logged Interval

4824

Top Log Interval

3700

Casing Driller

8.625 @ 353

Casing Logger

350

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

8200

Density / Viscosity

9.6 67

pH / Fluid Loss

8.0 12.0

Source of Sample

Flowline

Rm @ Meas. Temp

0.40 @ 80

Rmf @ Meas. Temp

0.30 @ 80

Rmc @ Meas. Temp

0.54 @ 80

Source of Rmf / Rmc

Charts

Rm @ BHT

0.25 @ 126

Operating Rig Time

3 hours

Max Rec. Temp. F

126

Equipment Number

91

Location

Hays

Recorded By

D. Schmidt

Witnessed By

Sean Deenihan

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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

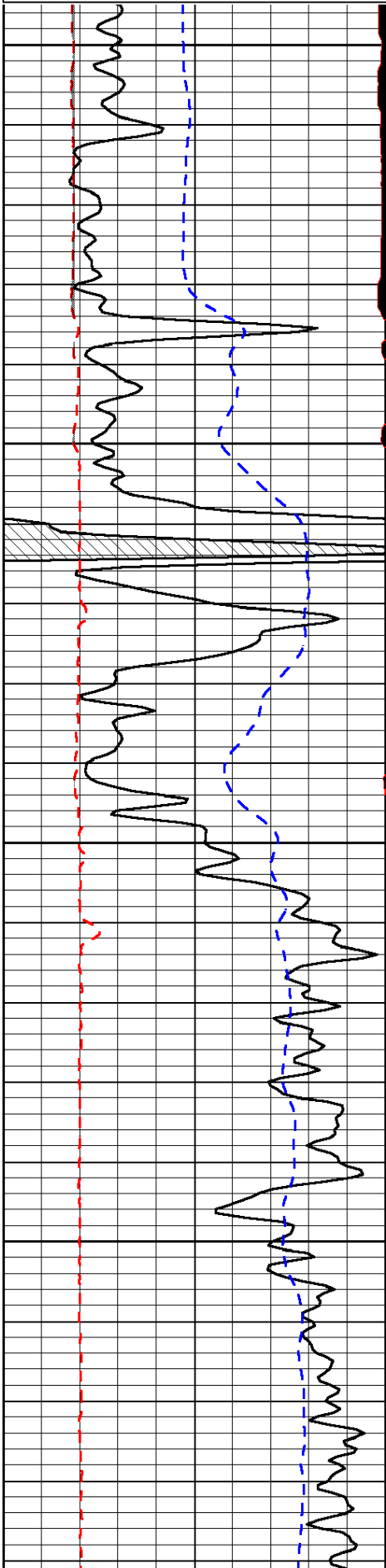
Thank you for using Log-Tech, Inc.
(785) 625-3858

Trousdale,
South to T Rd, 1 East, 1/4 South,
East into

Database File: toto_050514hd.db
Dataset Pathname: dil/tostkml
Presentation Format: micro
Dataset Creation: Mon May 05 23:21:59 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

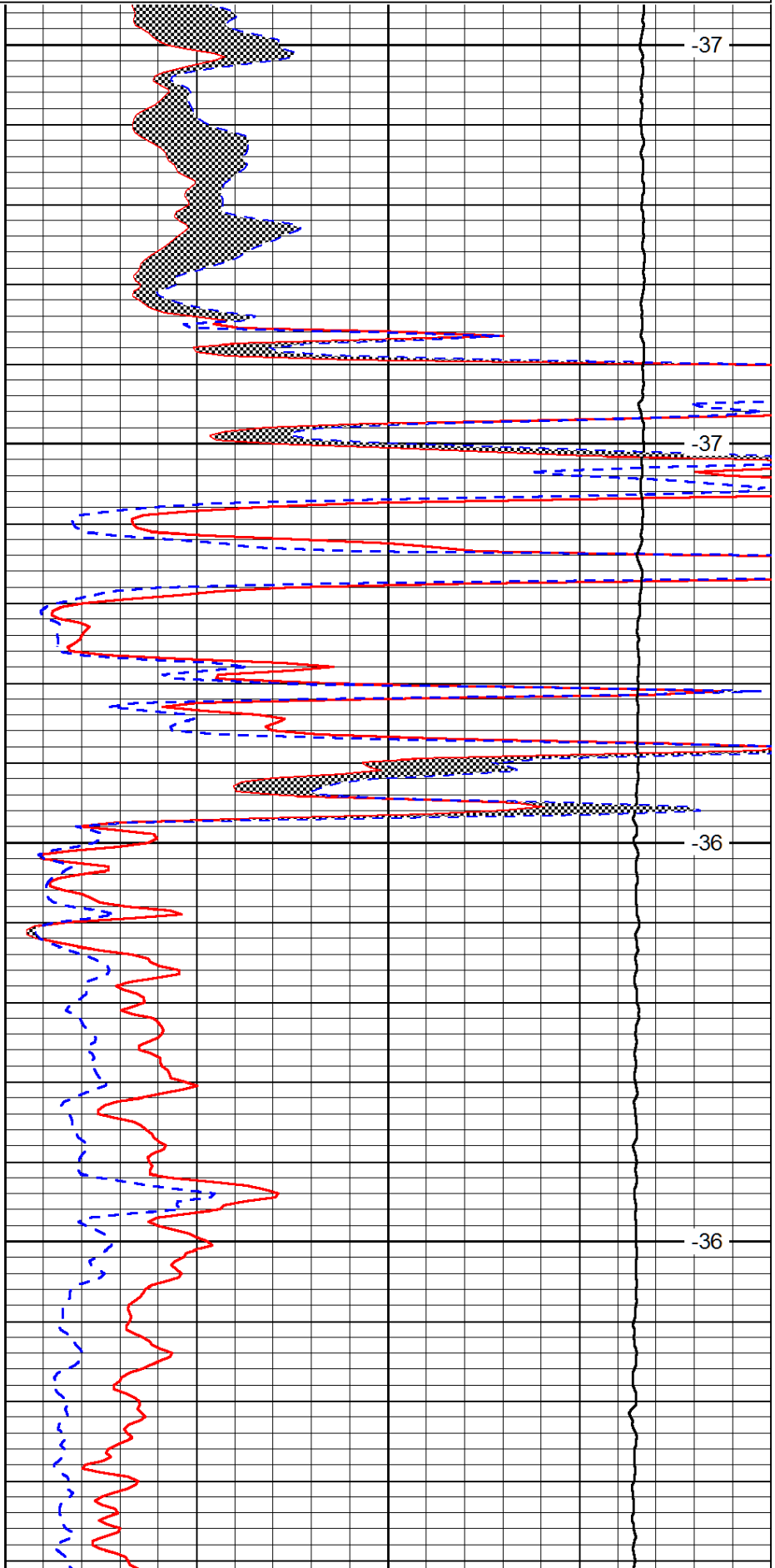


3700

3750

3800

3850

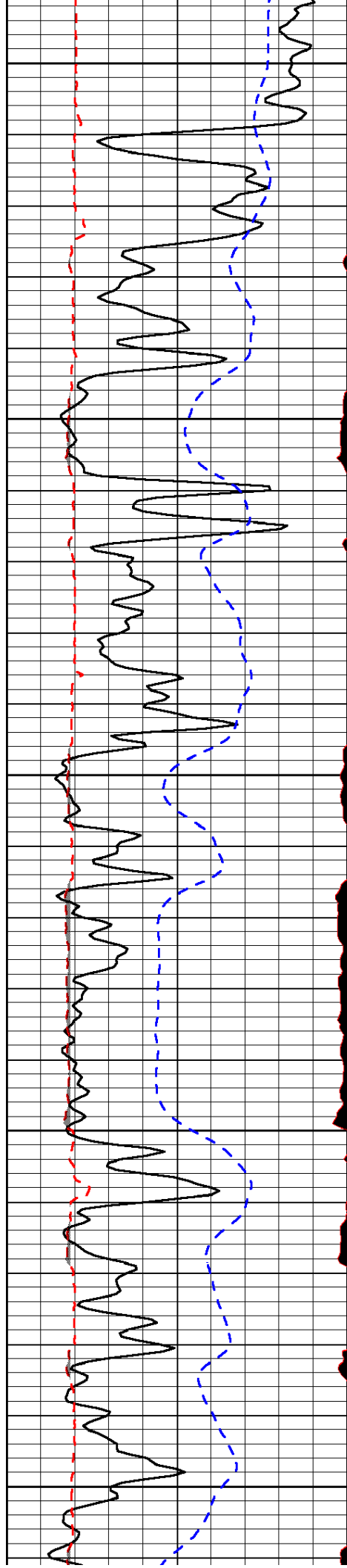


-37

-37

-36

-36



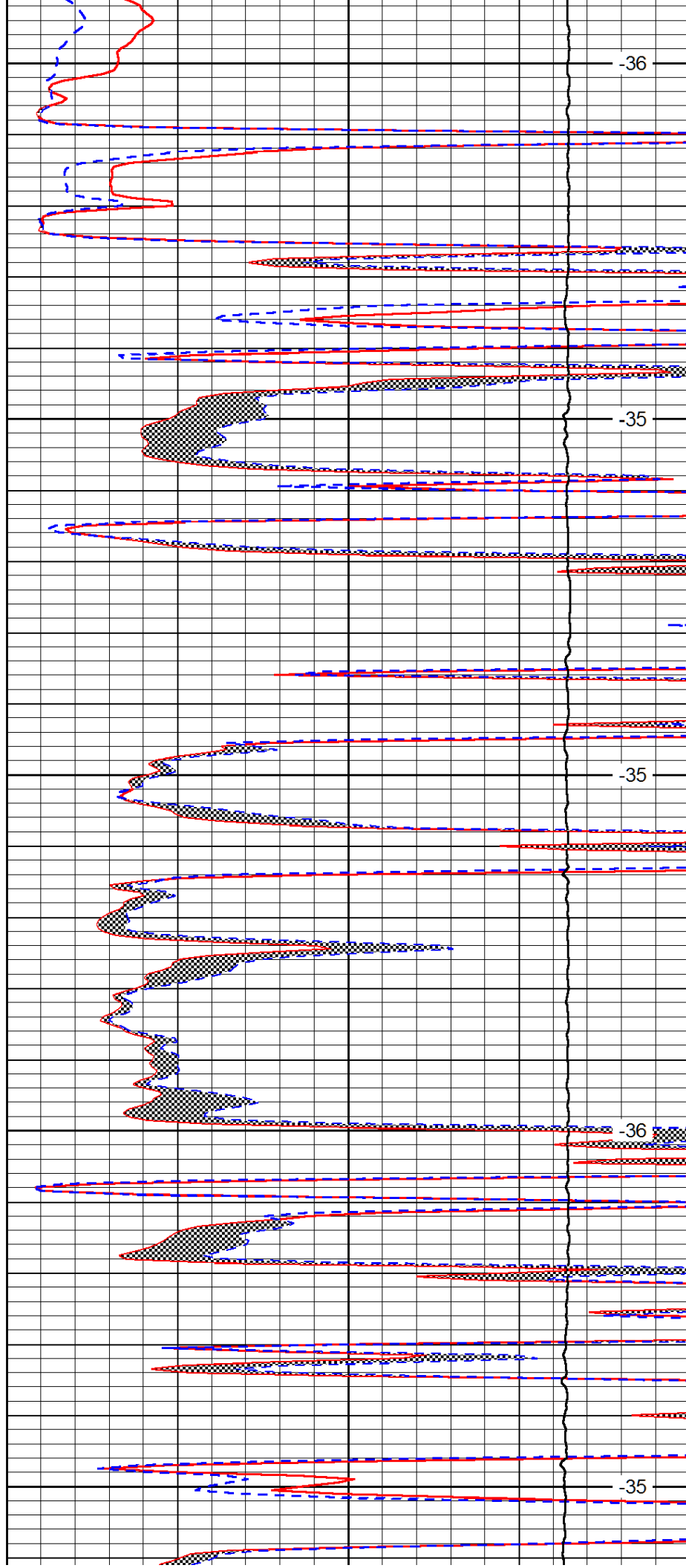
3900

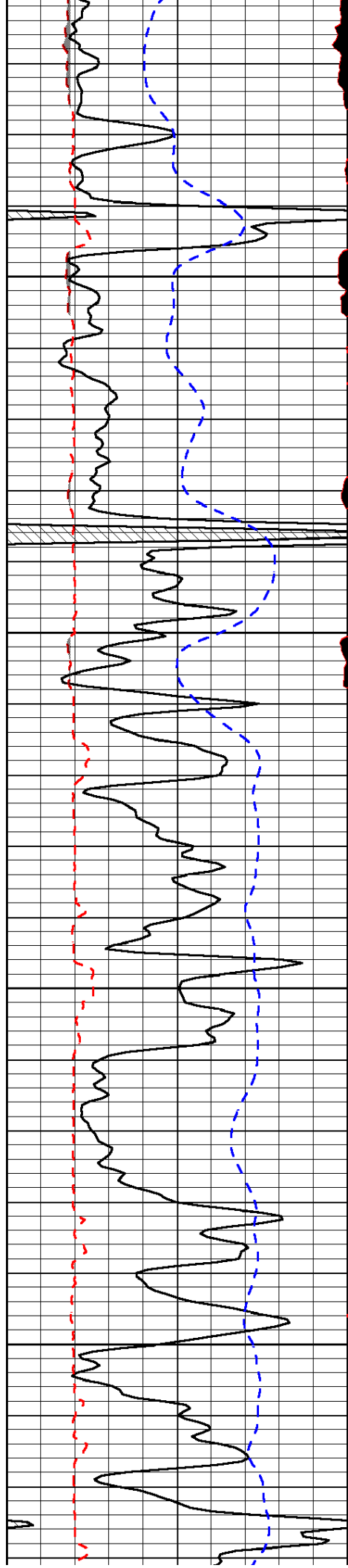
3950

4000

4050

4100



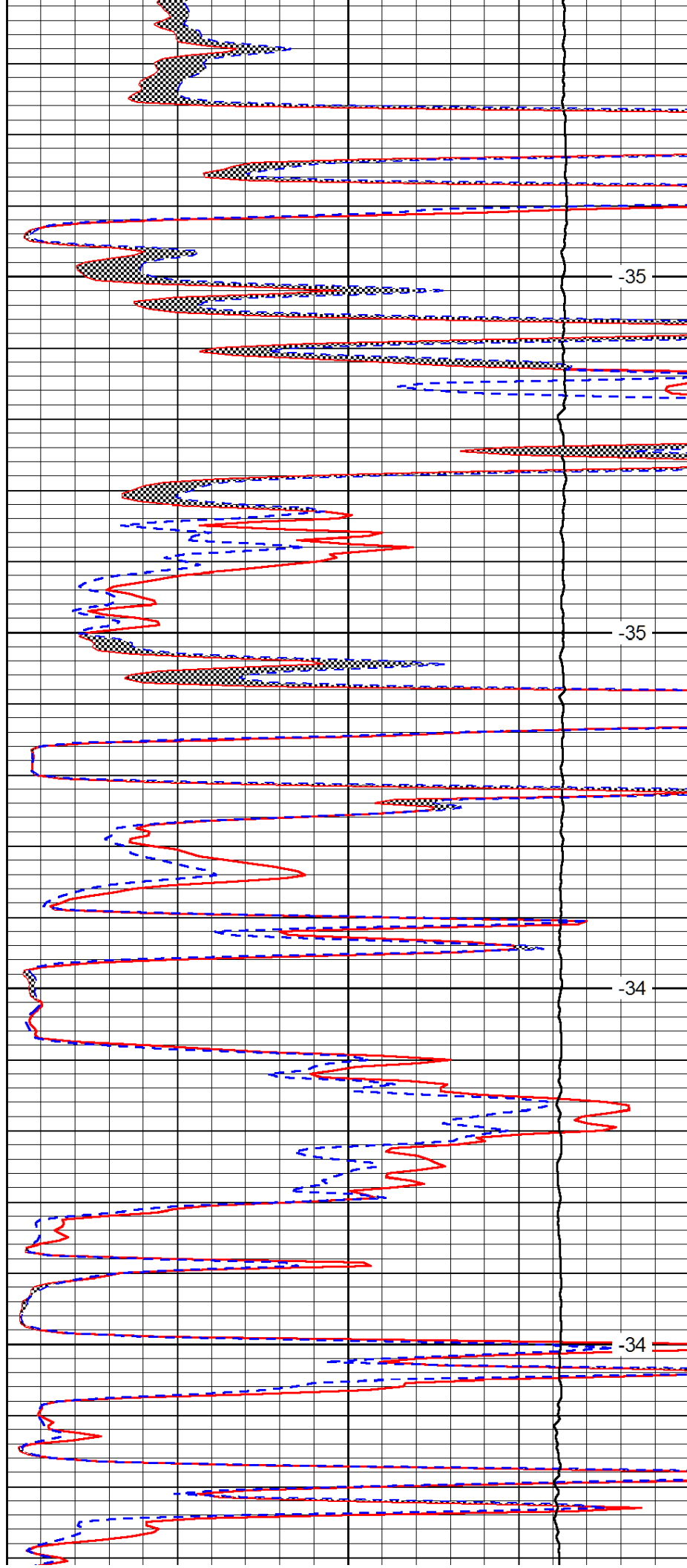


4150

4200

4250

4300

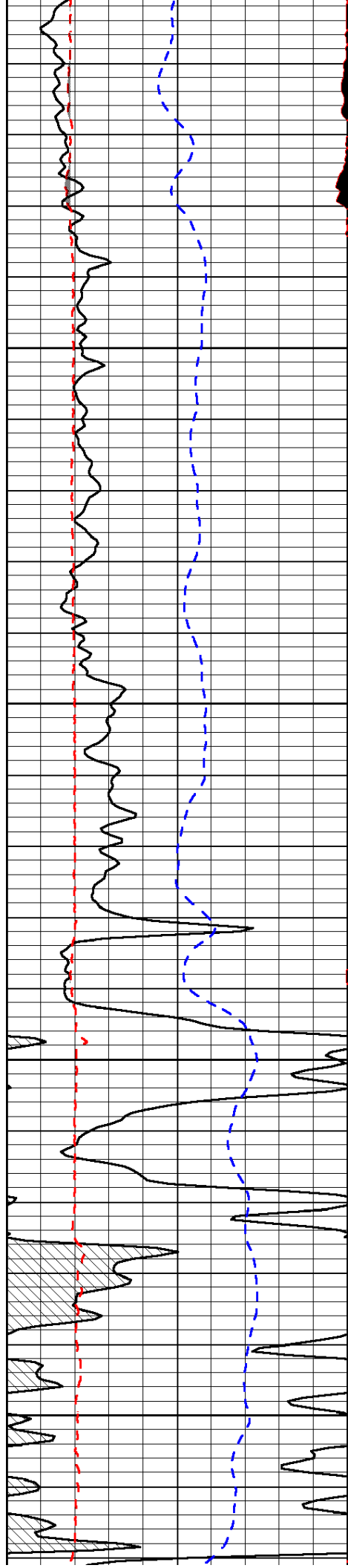


-35

-35

-34

-34

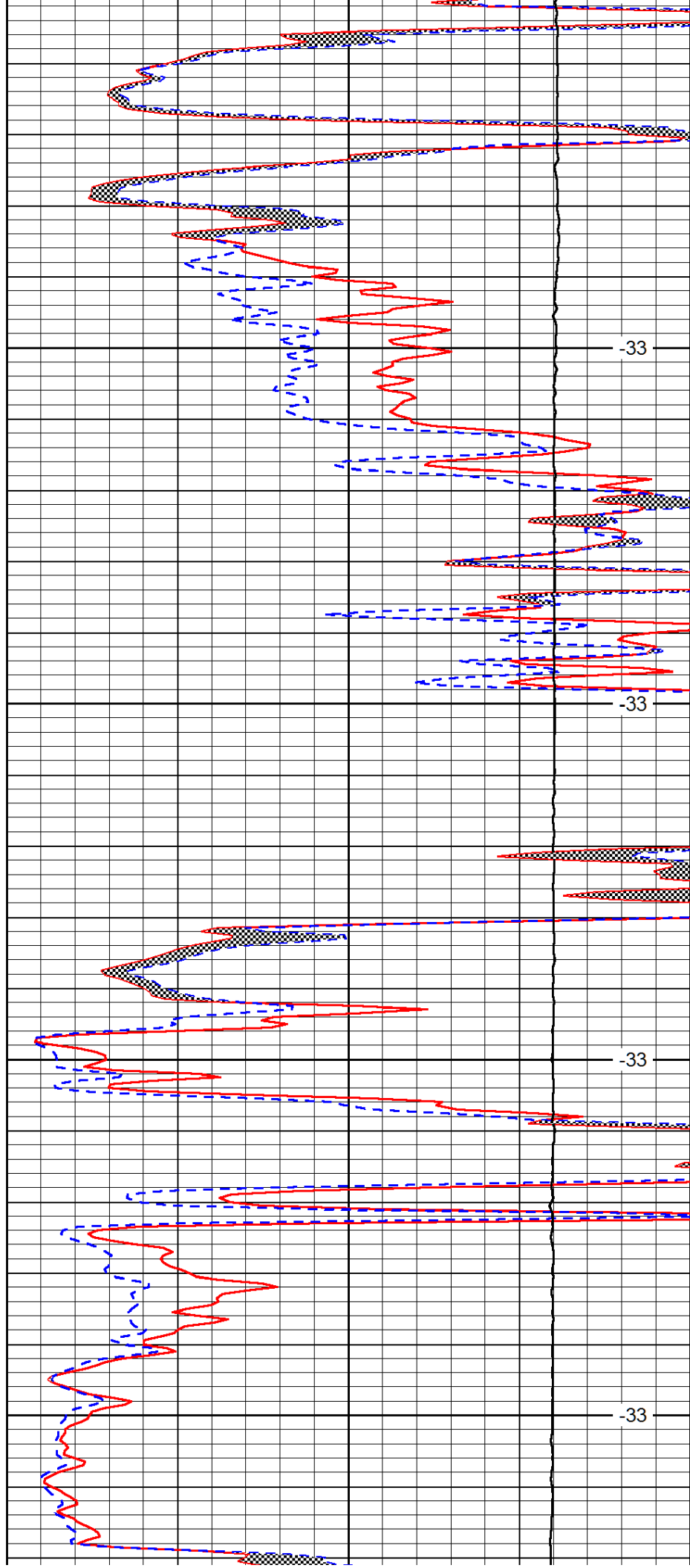


4600

4650

4700

4750

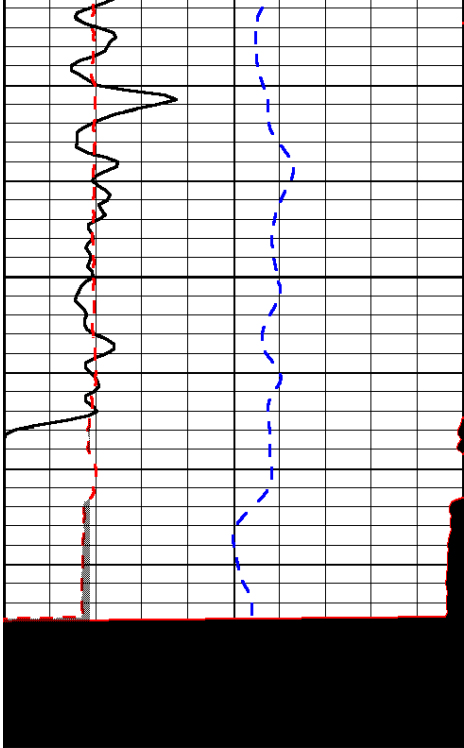


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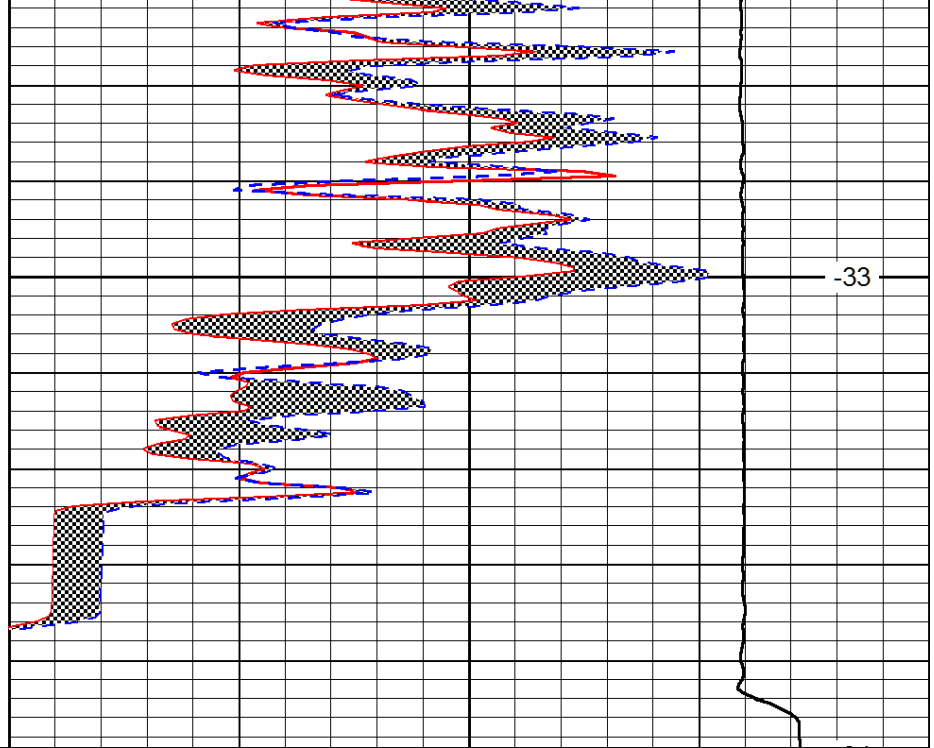
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-33



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