



PIONEER

Pioneer Energy Services

Microresistivity Log

API No.

15-203-20,299-00-00

Company **SDOCO, LLC.**

Well **Carmen Trust No.16-11**

Field

County **Wichita**

State

Kansas

Location **651' FSL & 371' FEL**

Sec: 11

Twp: 19S

Rge: 36W

Elevation

Permanent Datum **Ground Level** Elevation **3215**
Log Measured From **Kelly Bushing** 11 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

K.B. 3226
D.F.
G.L. 3215

Date

12/31/2014

Run Number

Two

Depth Driller

4965

Depth Logger

4960

Bottom Logged Interval

4959

Top Log Interval

3800

Casing Driller

8.625 @ 373

Casing Logger

374

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

9.000

Density / Viscosity

9.4

pH / Fluid Loss

10.0

Source of Sample

Flowline

Rm @ Meas. Temp

.35 @ 45

Rmf @ Meas. Temp

.26 @ 45

Rmc @ Meas. Temp

.47 @ 45

Source of Rmf / Rmc

Charts

Rm @ BHT

.13 @ 126

Operating Rig Time

5 Hours

Max Rec. Temp. F

126

Equipment Number

51

Location

Hays

Recorded By

C. Desaire

Witnessed By

Kurt Talbott

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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.

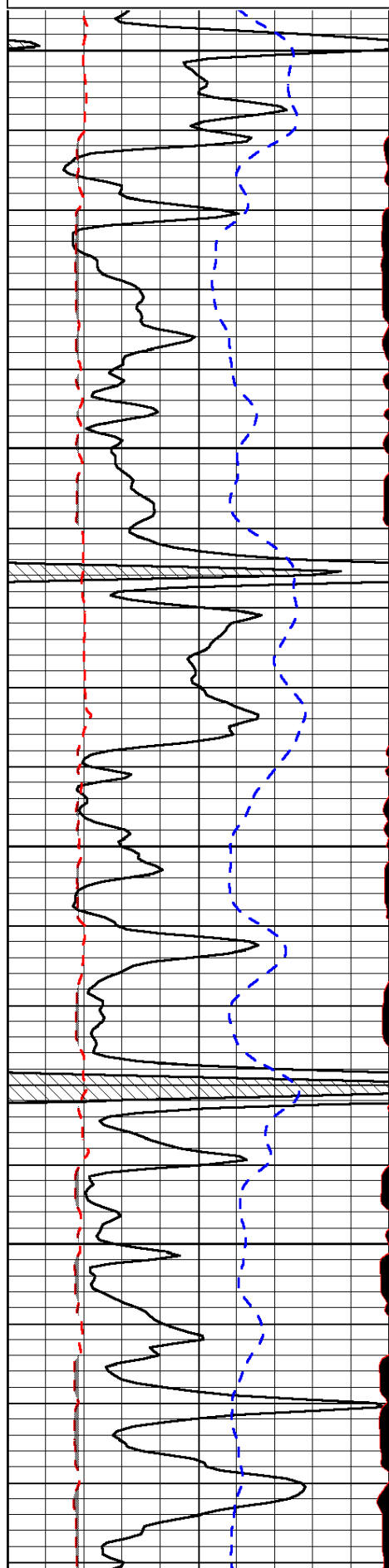
Comments

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

Marienthal KS, 5 S on 20 Rd,
2 W, N Into

Database File: sdohd.db
Dataset Pathname: dil/sdostk
Presentation Format: micro
Dataset Creation: Wed Dec 31 10:35:29 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



3800

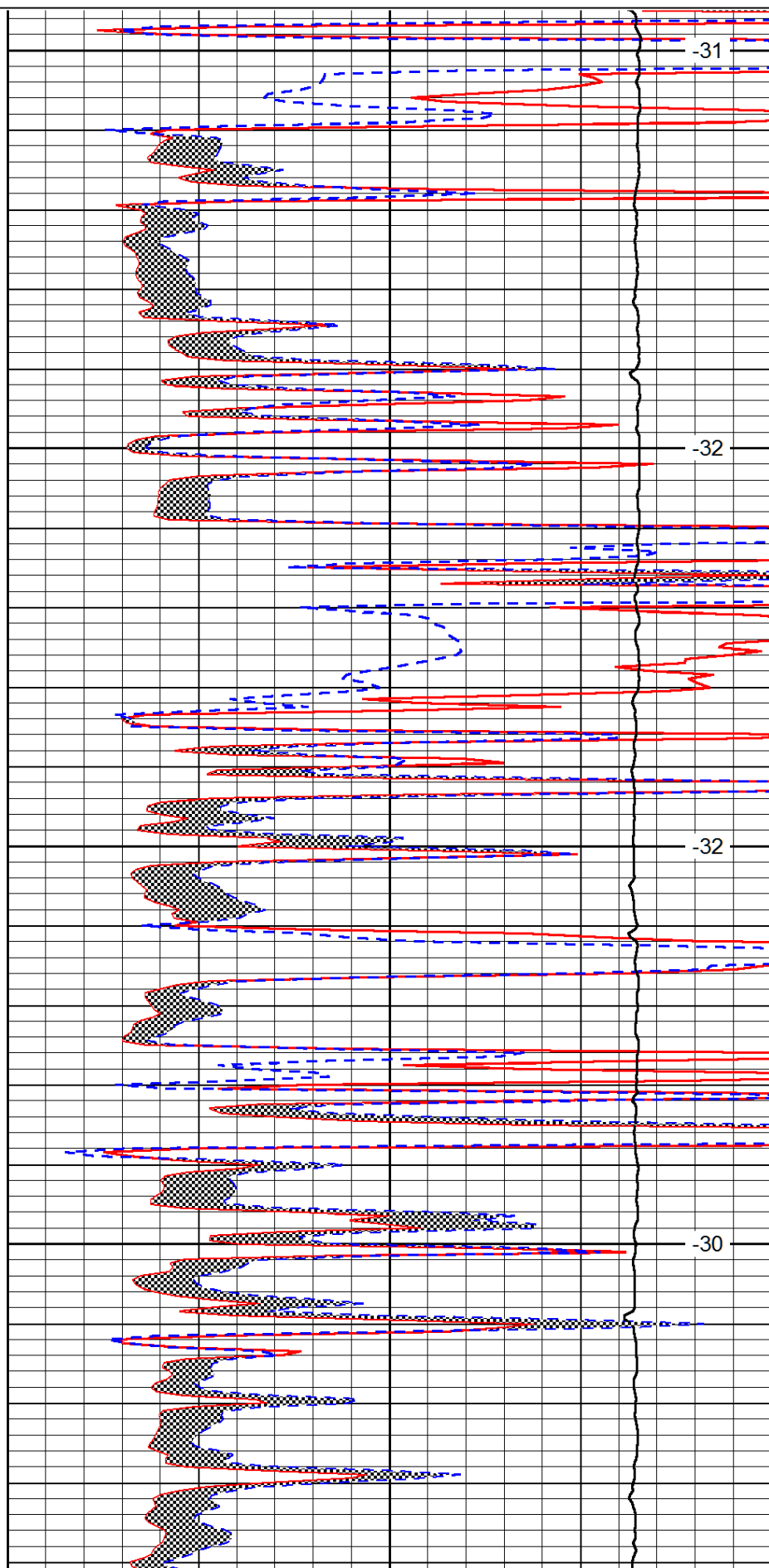
3850

3900

3950

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

LSPD

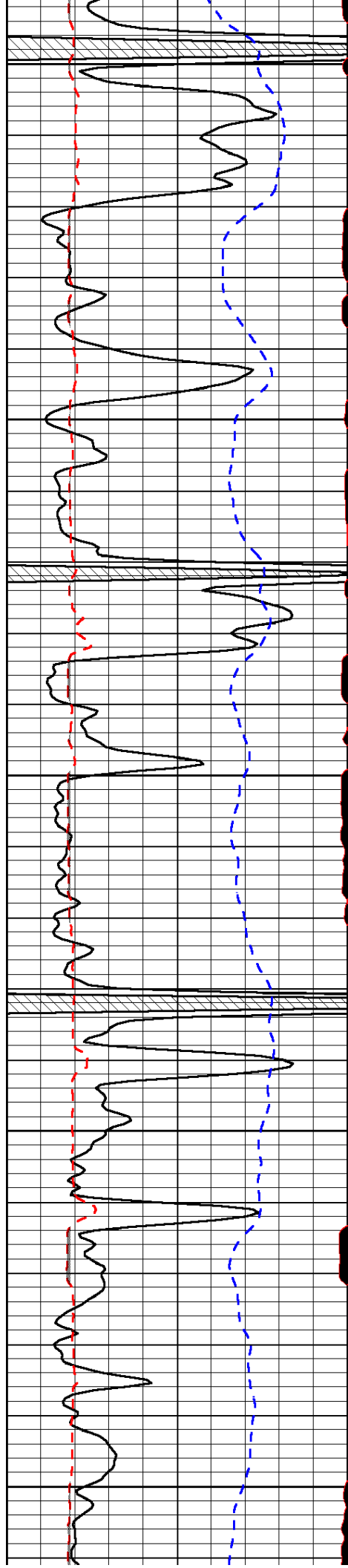


-31

-32

-32

-30



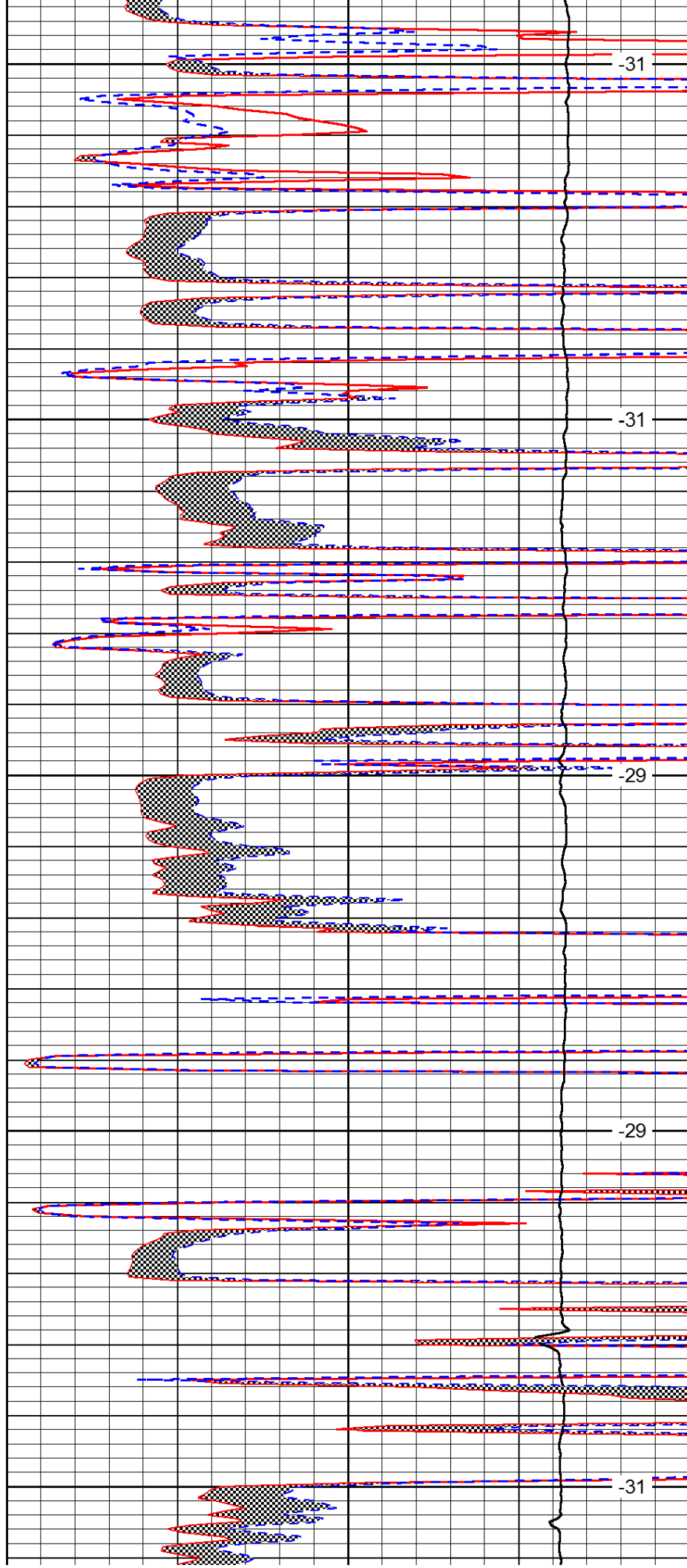
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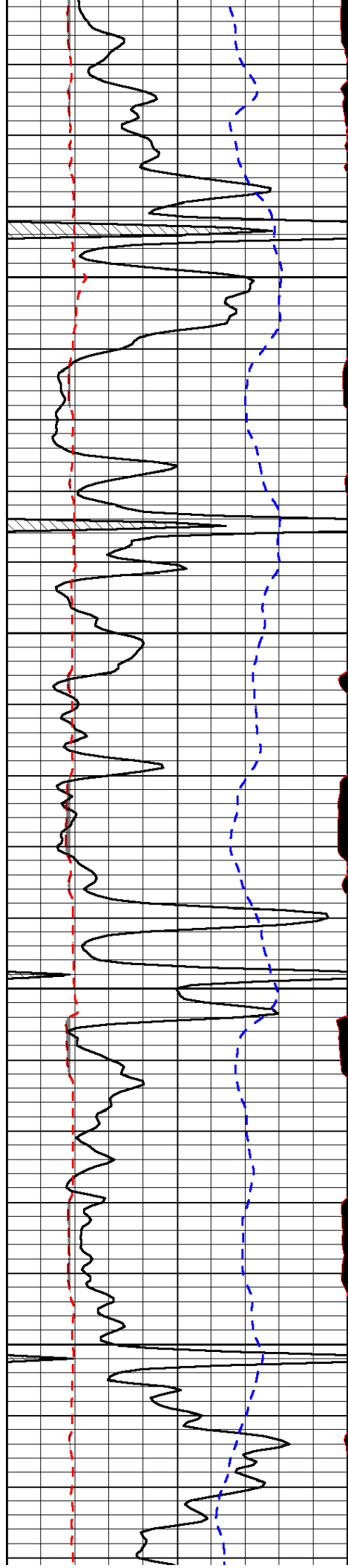
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4100

4150

4200



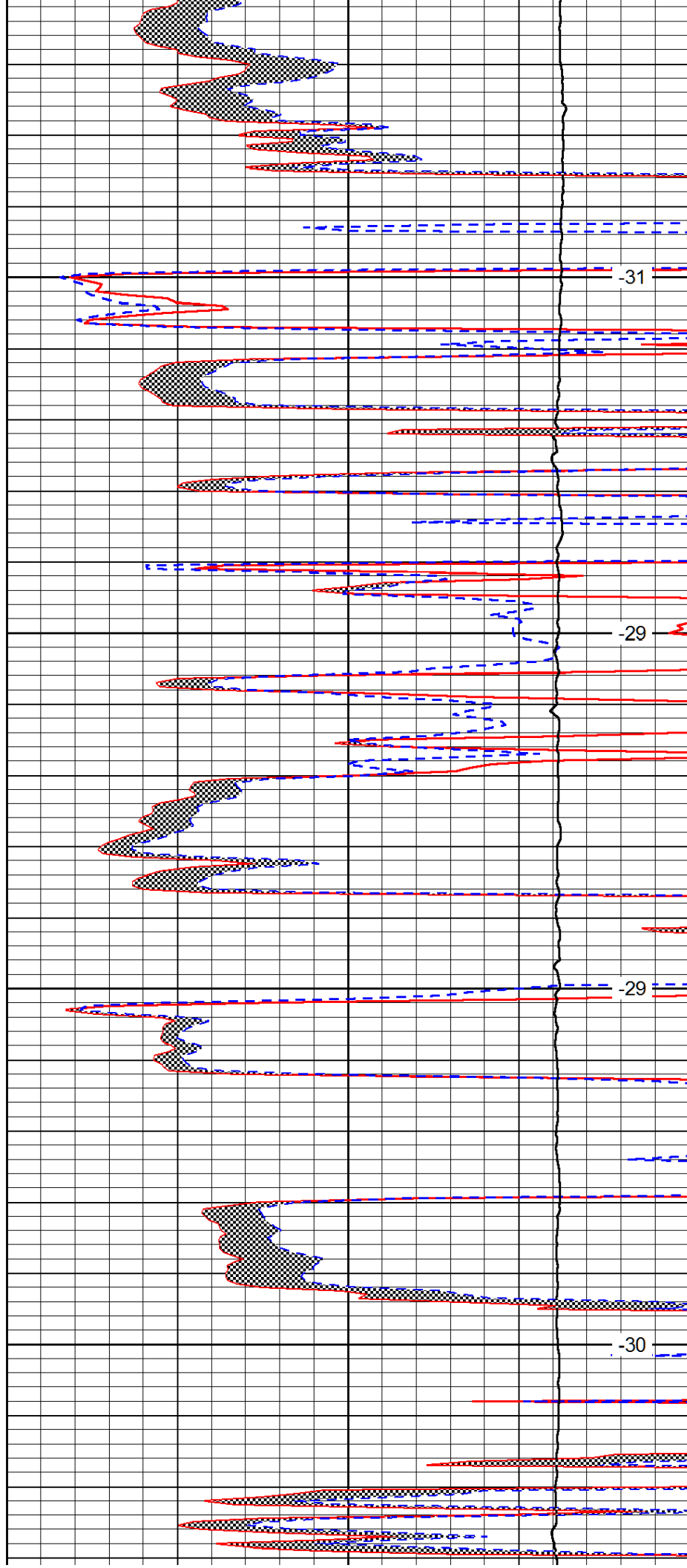


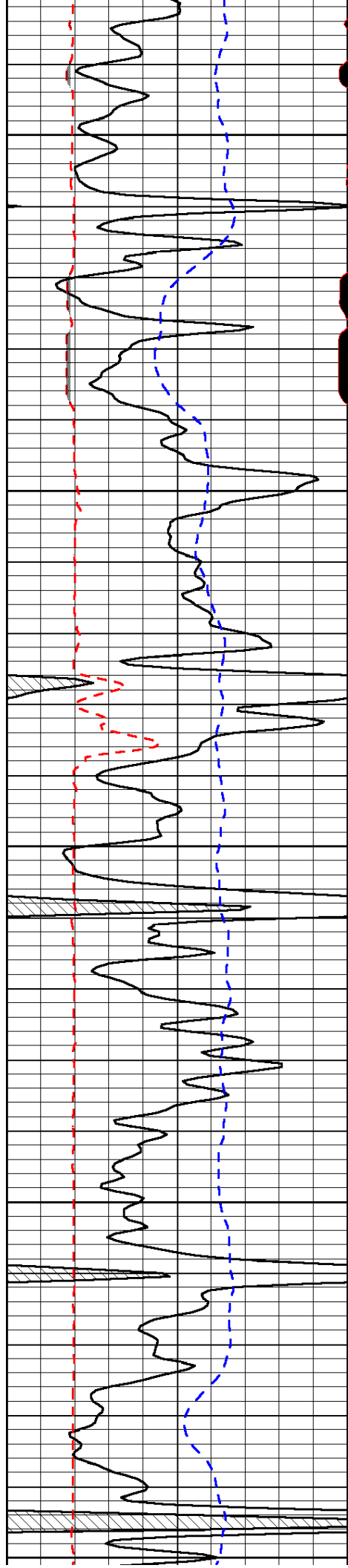
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4300

4350

4400





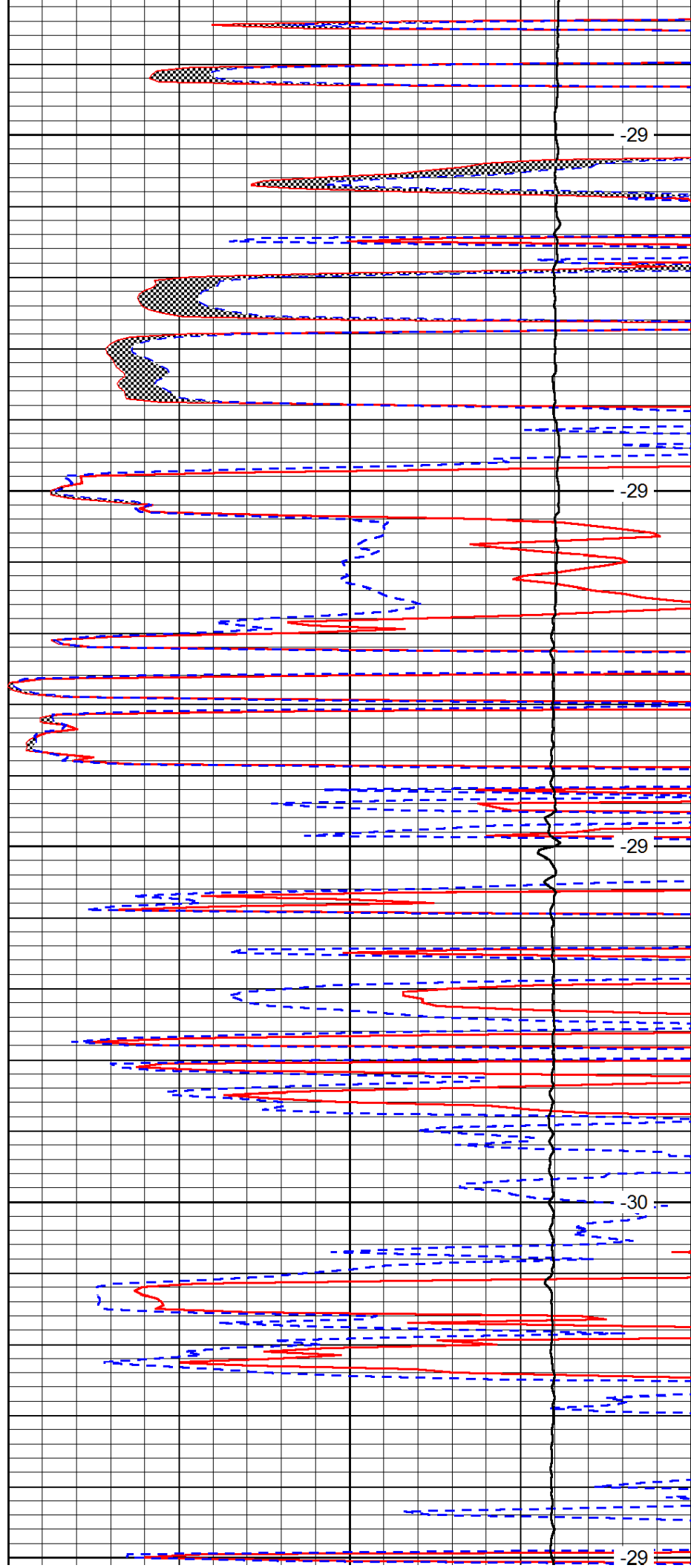
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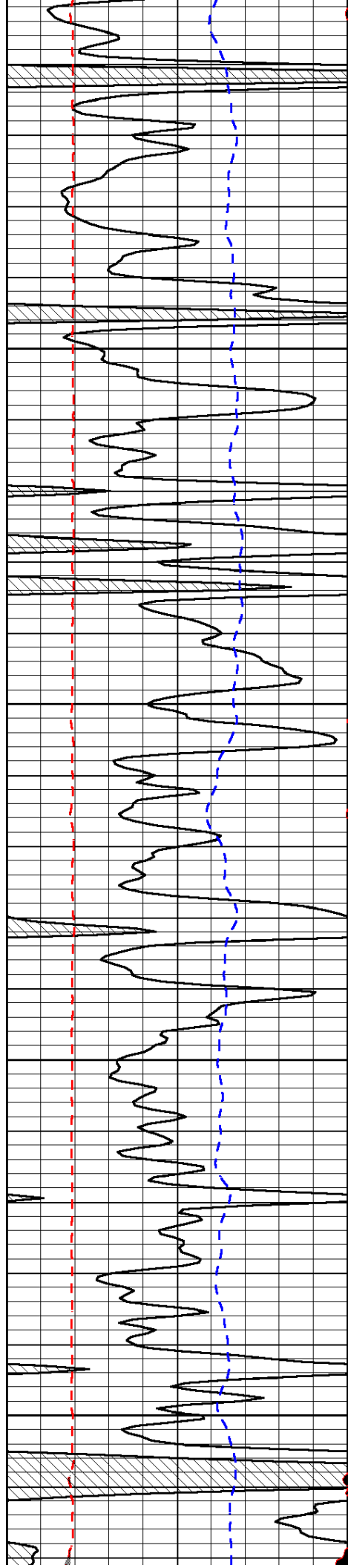
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4550

4600

4650



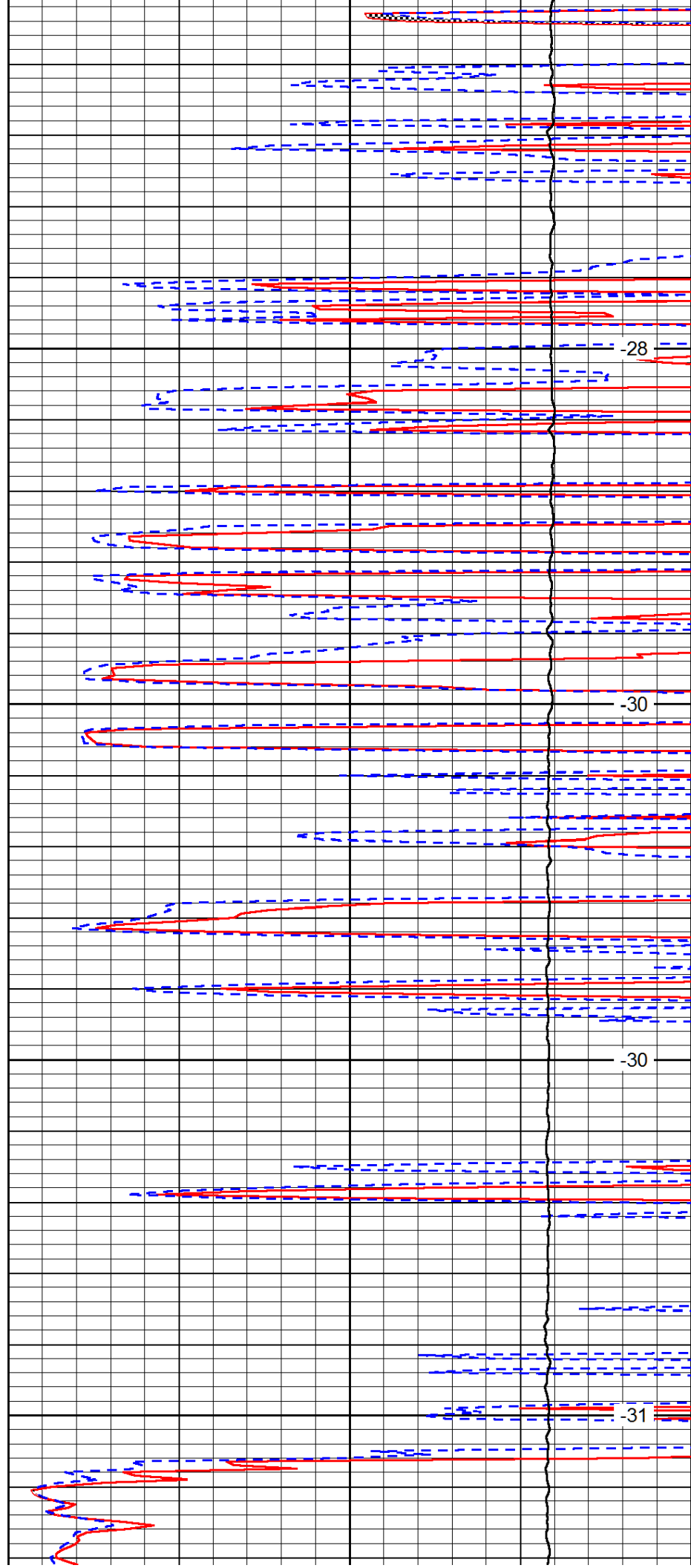


4700

4750

4800

4850

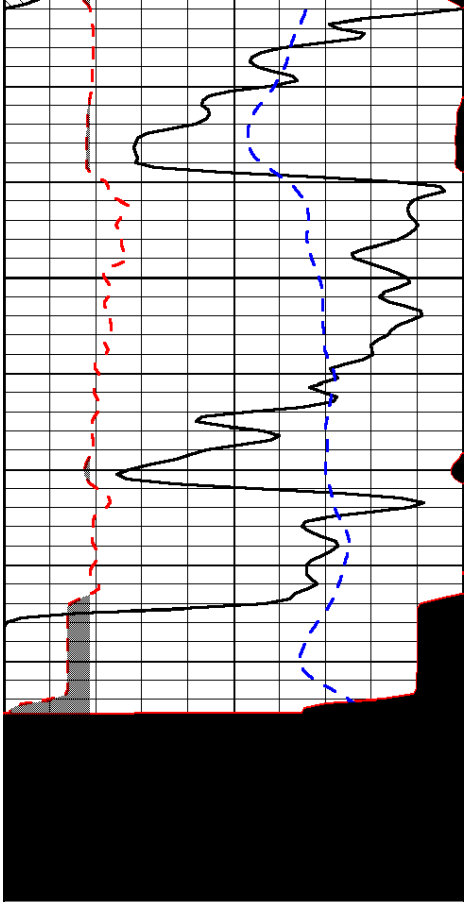


-28

-30

-30

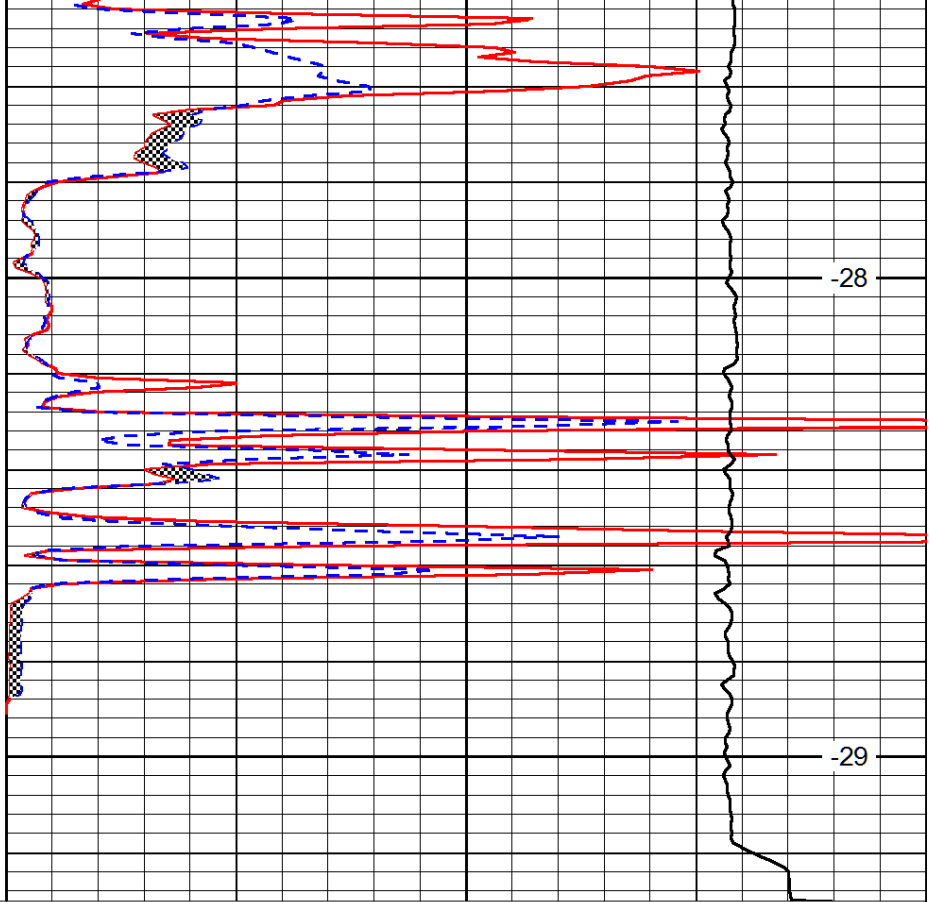
-31



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