



Microresistivity Log

Pioneer Energy Services

API No.

15-009-25986-00-00

Company Bird Dog Oil, LLC

Well Lakin-Sieker # 2-23

Field Lanterman

County Barton State

Kansas

Location

1305' FNL & 140' FWL

Sec: 23

Twp: 19 S

Rge: 11 W

Elevation

Permanent Datum Ground Level Elevation 1777
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1785
D.F. 1777
G.L. 1777

Date 06-21-2014

Run Number

One

Depth Driller

3420

Depth Logger

3419

Bottom Logged Interval

3418

Top Log Interval

2600

Casing Driller

8.625 @ 263

Casing Logger

259

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

6100

Density / Viscosity

9.3 54

pH / Fluid Loss

10.0 8.8

Source of Sample

Flowline

Rm @ Meas. Temp

0.30 @ 80

Rmf @ Meas. Temp

0.22 @ 80

Rmc @ Meas. Temp

0.40 @ 80

Source of Rmf / Rmc

Charts

Rm @ BHT

0.21 @ 112

Operating Rig Time

5 Hours

Max Rec. Temp. F

112

Equipment Number

91

Location

Hays

Recorded By

Y. Ruiz

Witnessed By

Adam Kennedy

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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.

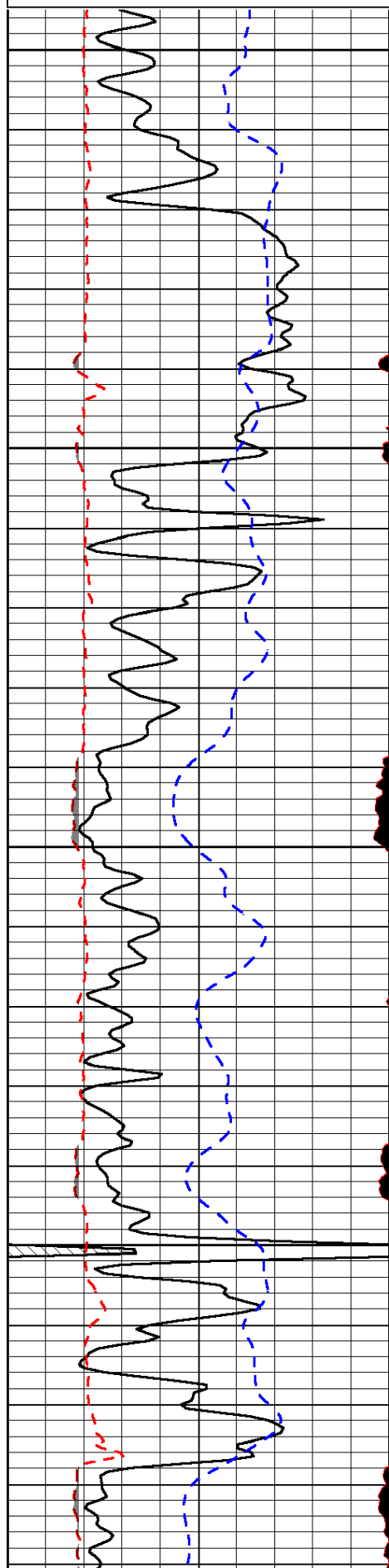
Comments

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

Ellinwood,
3 East to 140 Rd, 2 North,
East into

Database File: bird_dog 062114hd.db
Dataset Pathname: DIL/bdstk
Presentation Format: micro
Dataset Creation: Sun Jun 22 01:54:53 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



2600

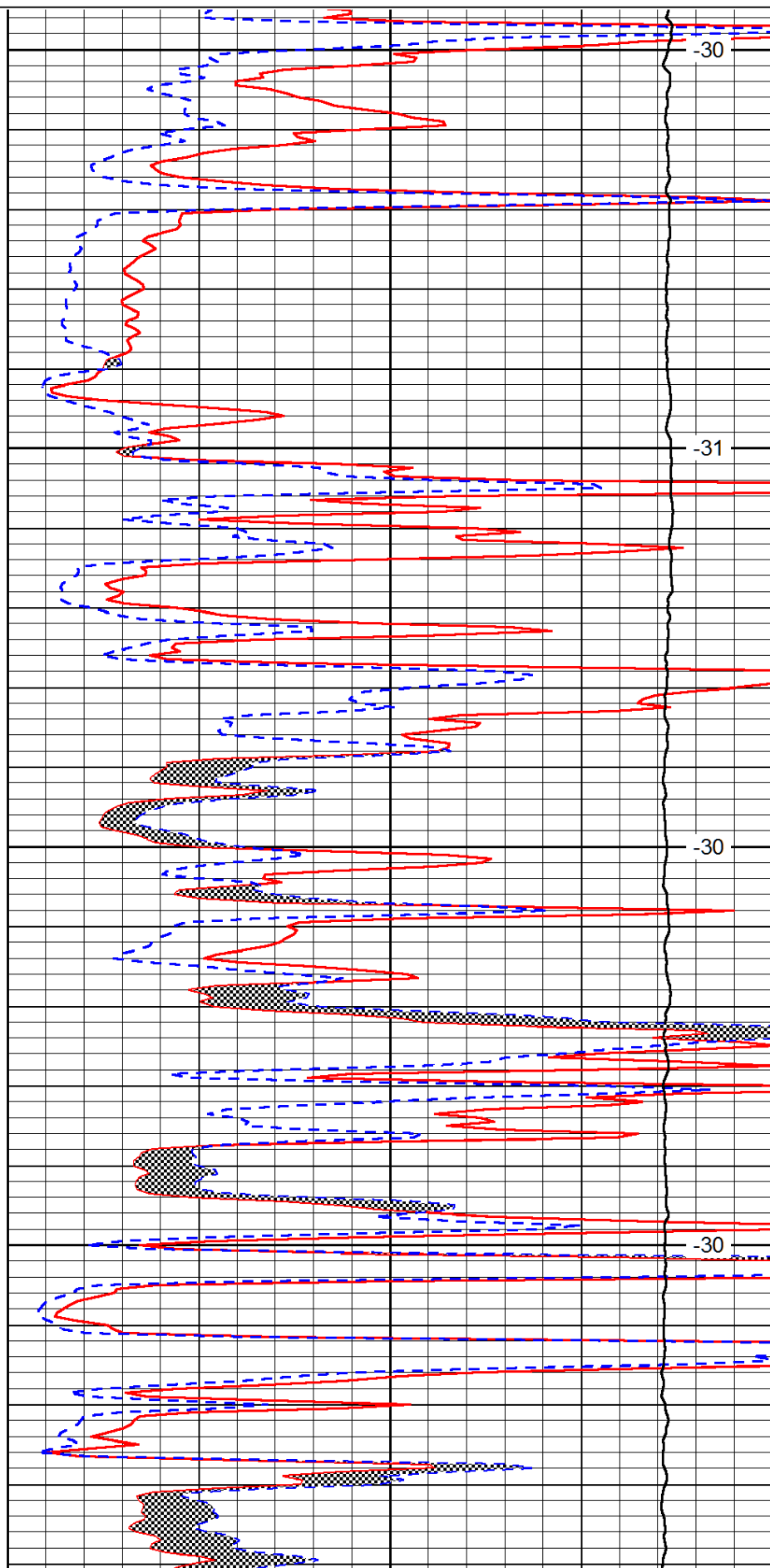
2650

2700

2750

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

LSPD

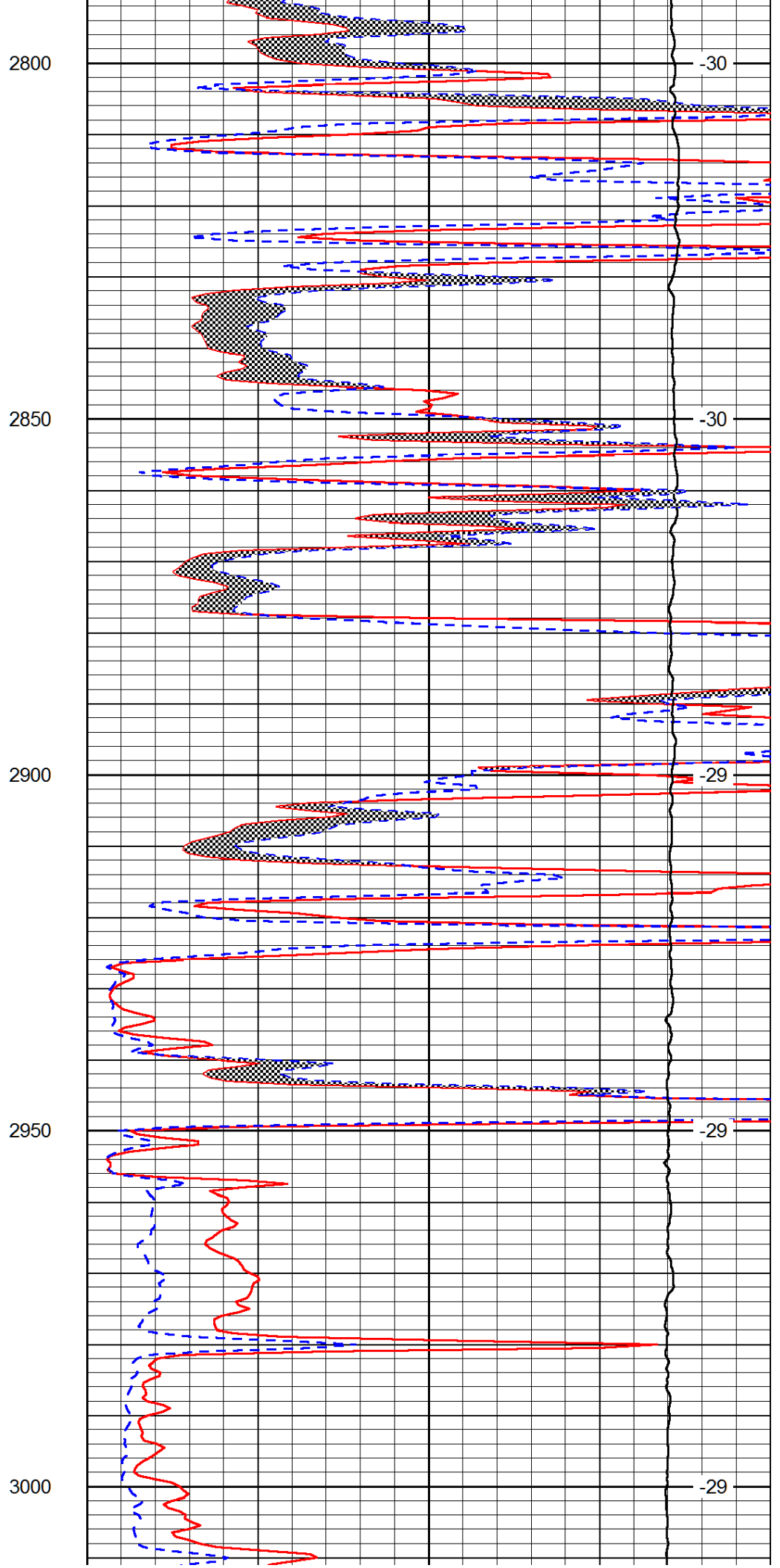
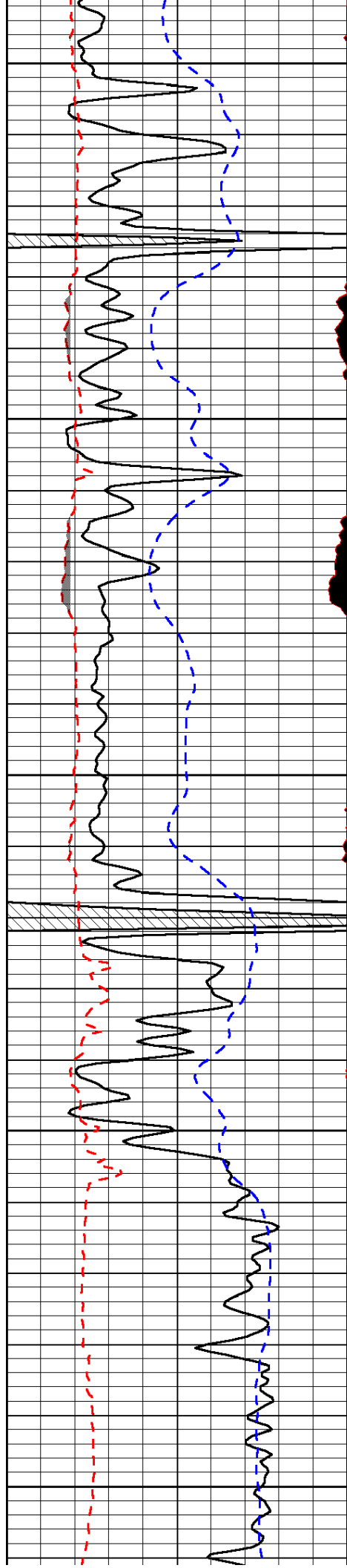


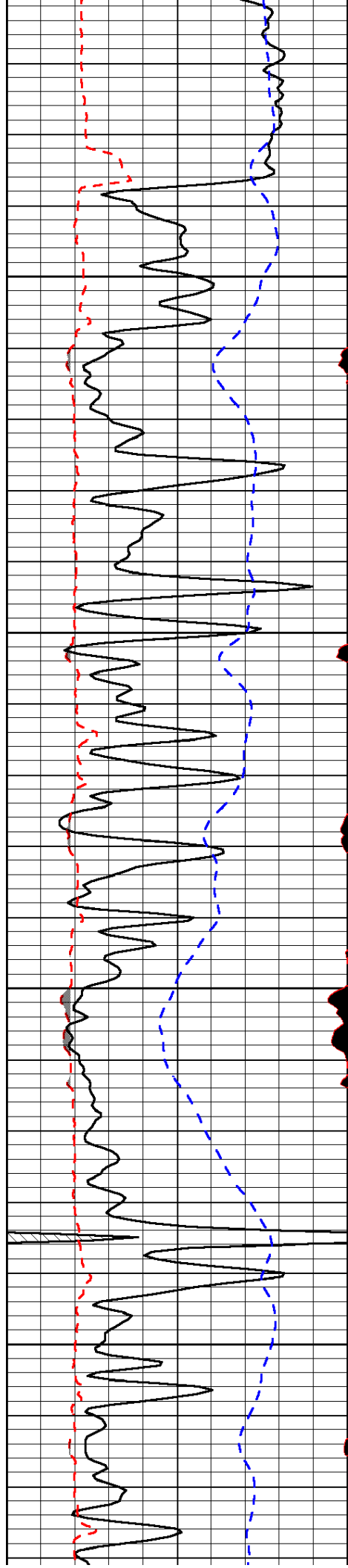
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-31

-30

-30



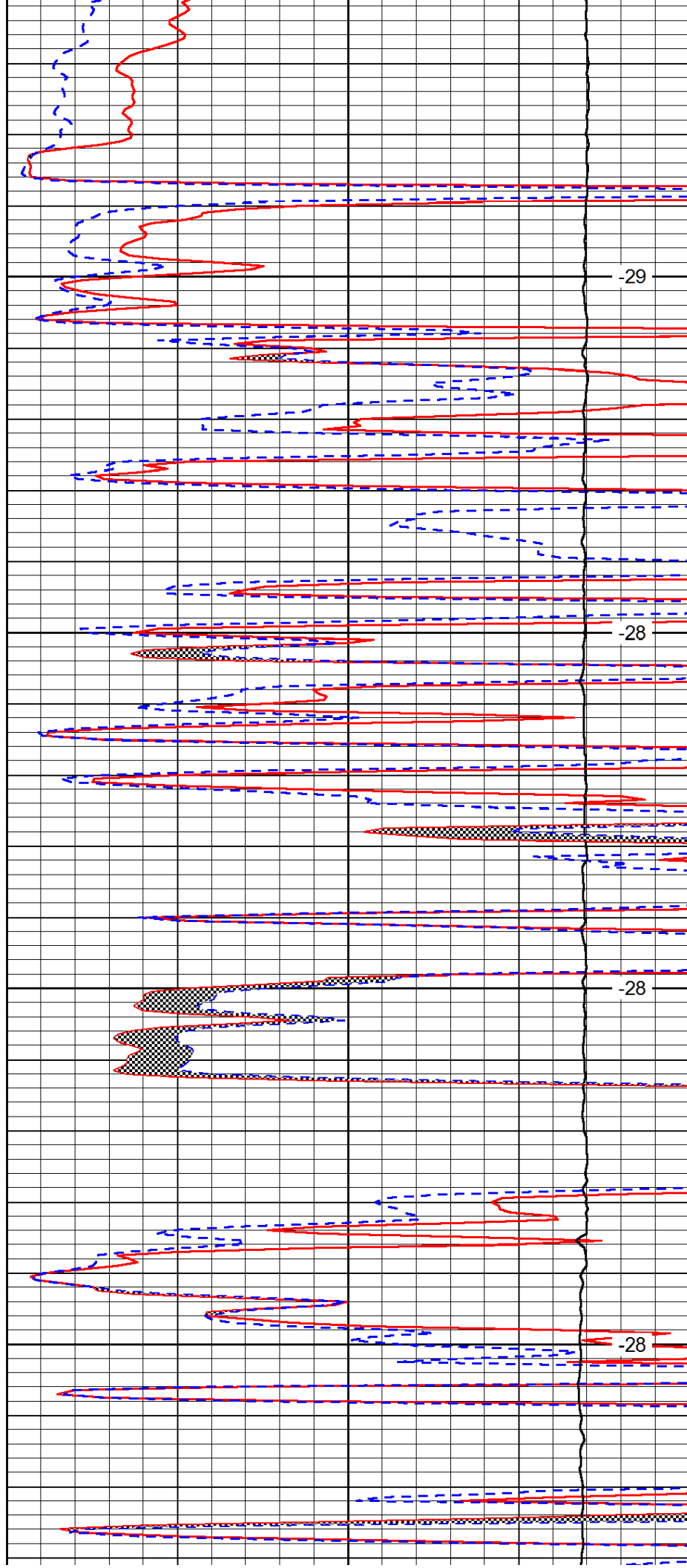


3050

3100

3150

3200

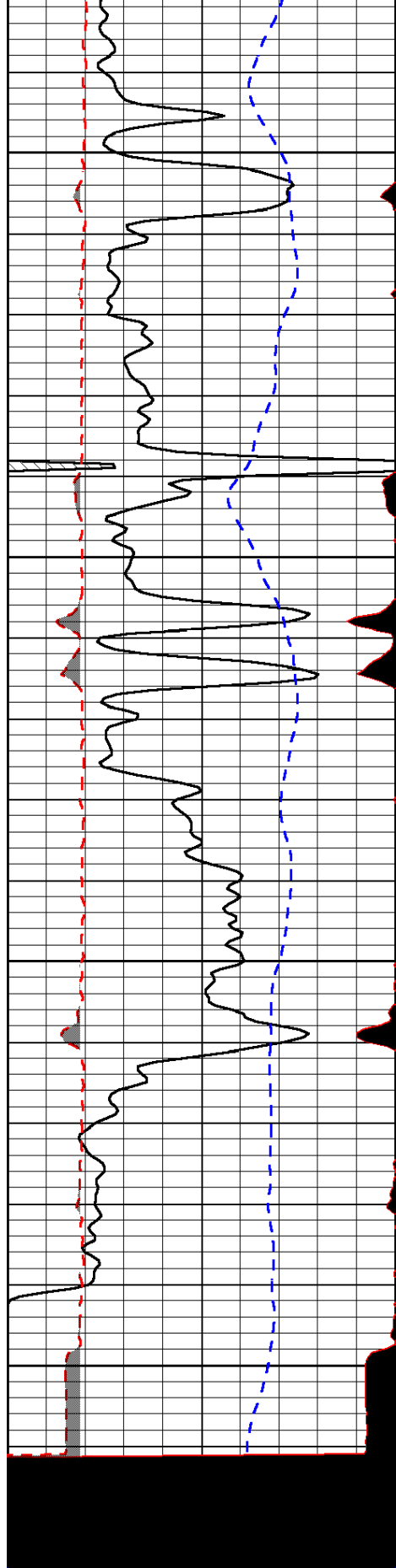


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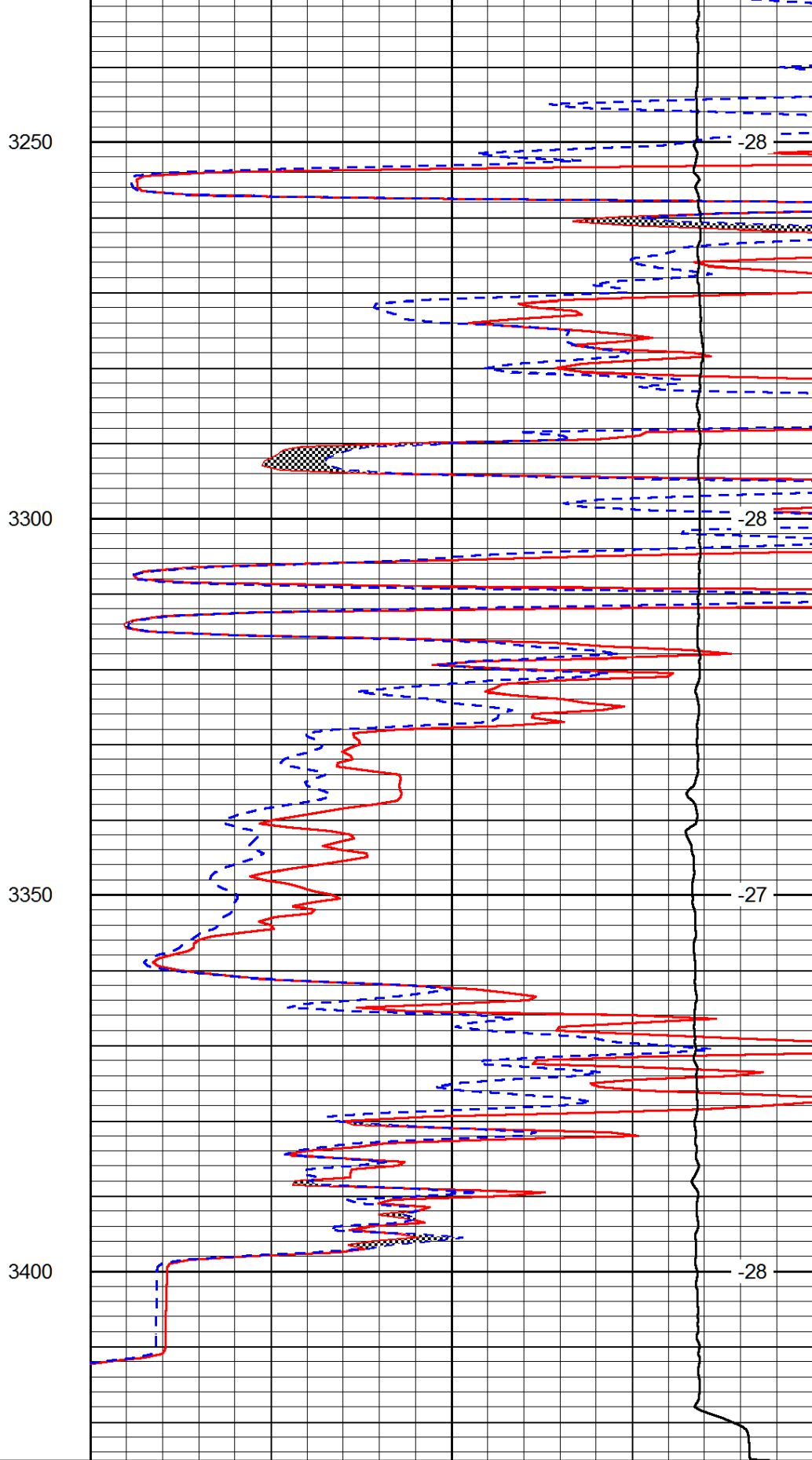
-28

-28

-28



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