



Microresistivity Log

Pioneer Energy Services

API No.

15-101-22,533-00-00

Company Larson Engineering, Inc.

Well Rhonda No. 1-16

Field Wildcat

County Lane State Kansas

Location

NE-SW-NE-SW
1865' FSL & 1797' FWL

Sec: 16 Twp: 18S Rge: 29W

Permanent Datum Ground Level Elevation 2813
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
DIL
Elevation
K.B. 2820
D.F.
G.L. 2813

Date 8/31/14

Run Number Two

Depth Driller 4611

Depth Logger 4610

Bottom Logged Interval 4609

Top Log Interval 3600

Casing Driller 8.625 @ 262

Casing Logger 258

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 2,400

Density / Viscosity 9.1 54

pH / Fluid Loss 10.0 8.4

Source of Sample Flowline

Rm @ Meas. Temp .50 @ 80

Rmf @ Meas. Temp .38 @ 80

Rmc @ Meas. Temp .68 @ 80

Source of Rmf / Rmc Charts

Rm @ BHT .33 @ 122

Operating Rig Time 3 1/2 Hours

Max Rec. Temp. F 122

Equipment Number 10

Location Hays

Recorded By J. Henrickson

Witnessed By Vern Schrag

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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

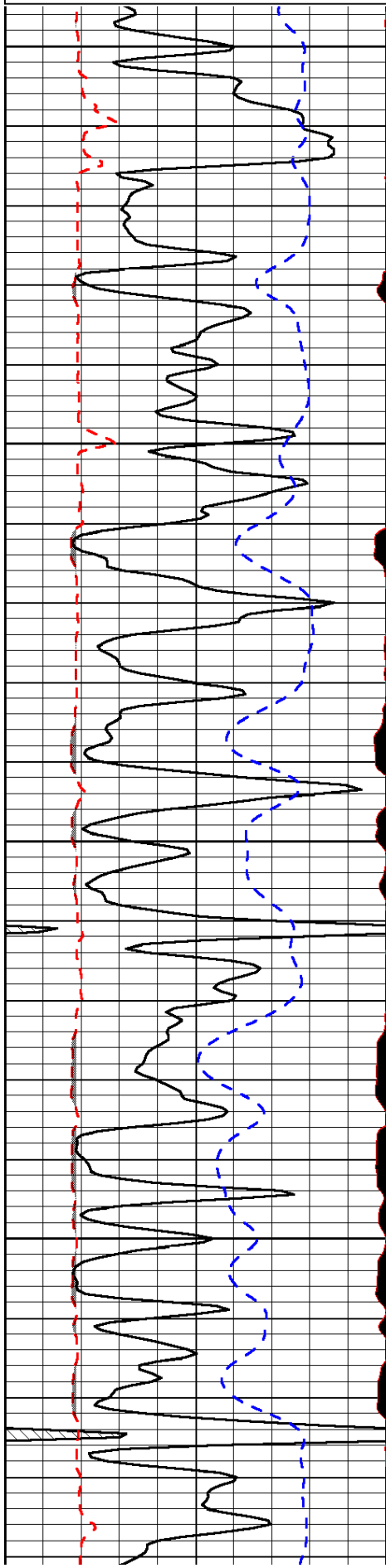
Thank you for using Log-Tech, Inc.
(785) 625-3858

Dighton KS
4 West to Hickock, 1/3 North, East Into

Database File: laron_rhonda_1_16hd.db
Dataset Pathname: DIL/larstk
Presentation Format: micro
Dataset Creation: Sun Aug 31 20:32:06 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

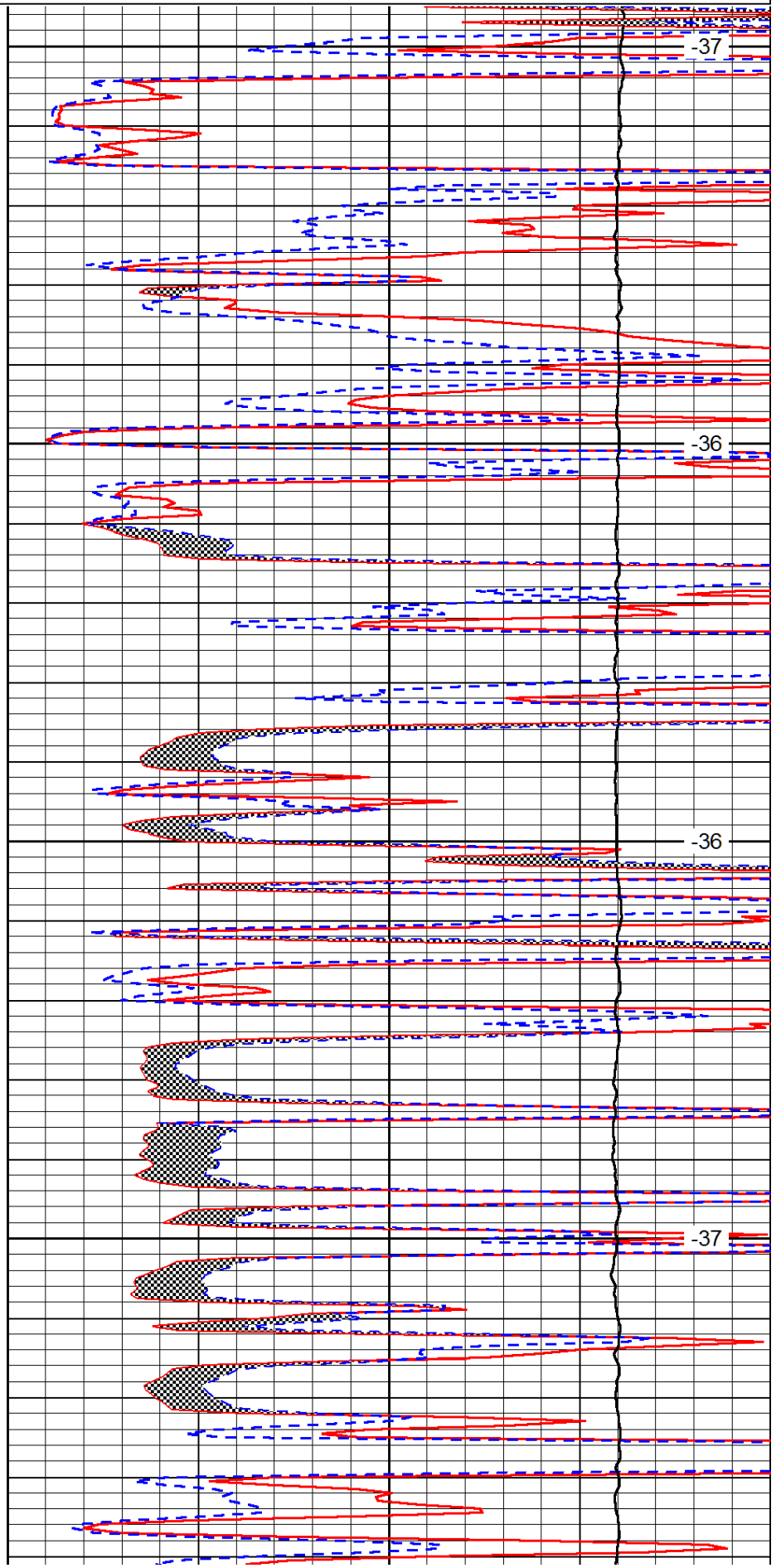


3600

3650

3700

3750

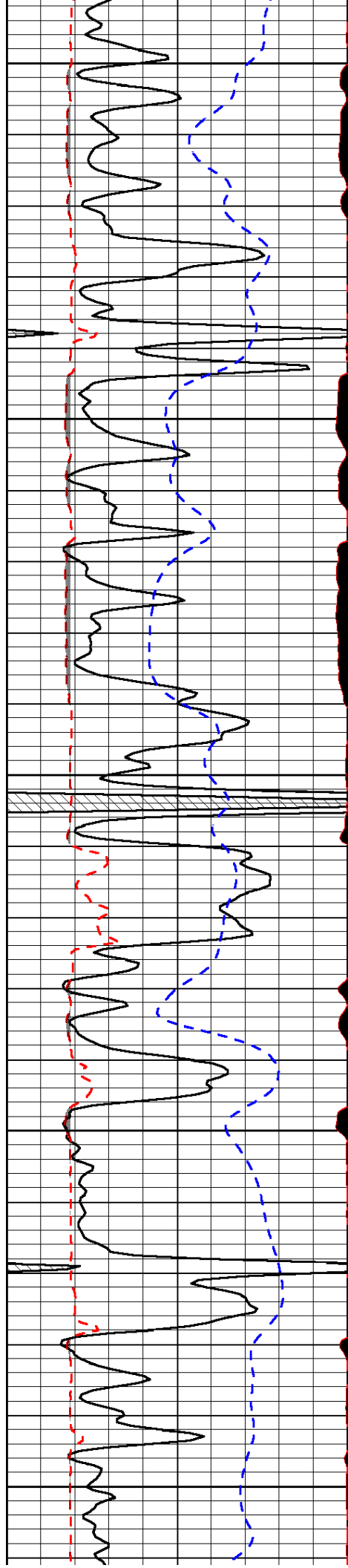


-37

-36

-36

-37



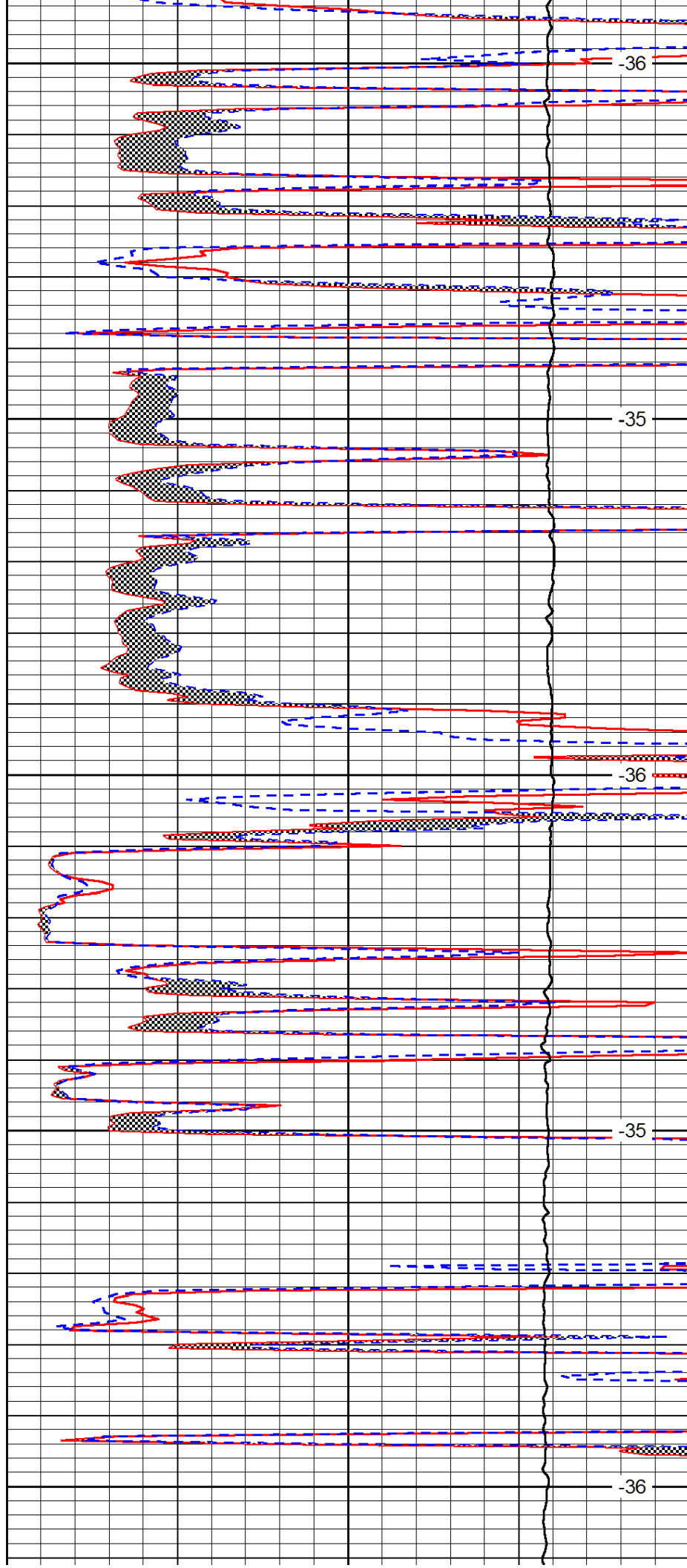
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3850

3900

3950

4000



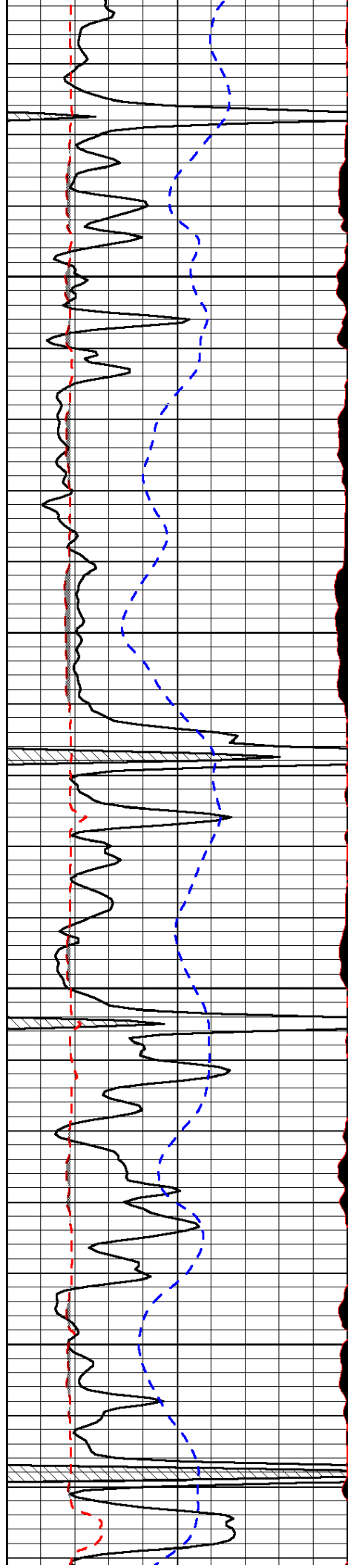
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-35

-36

-35

-36

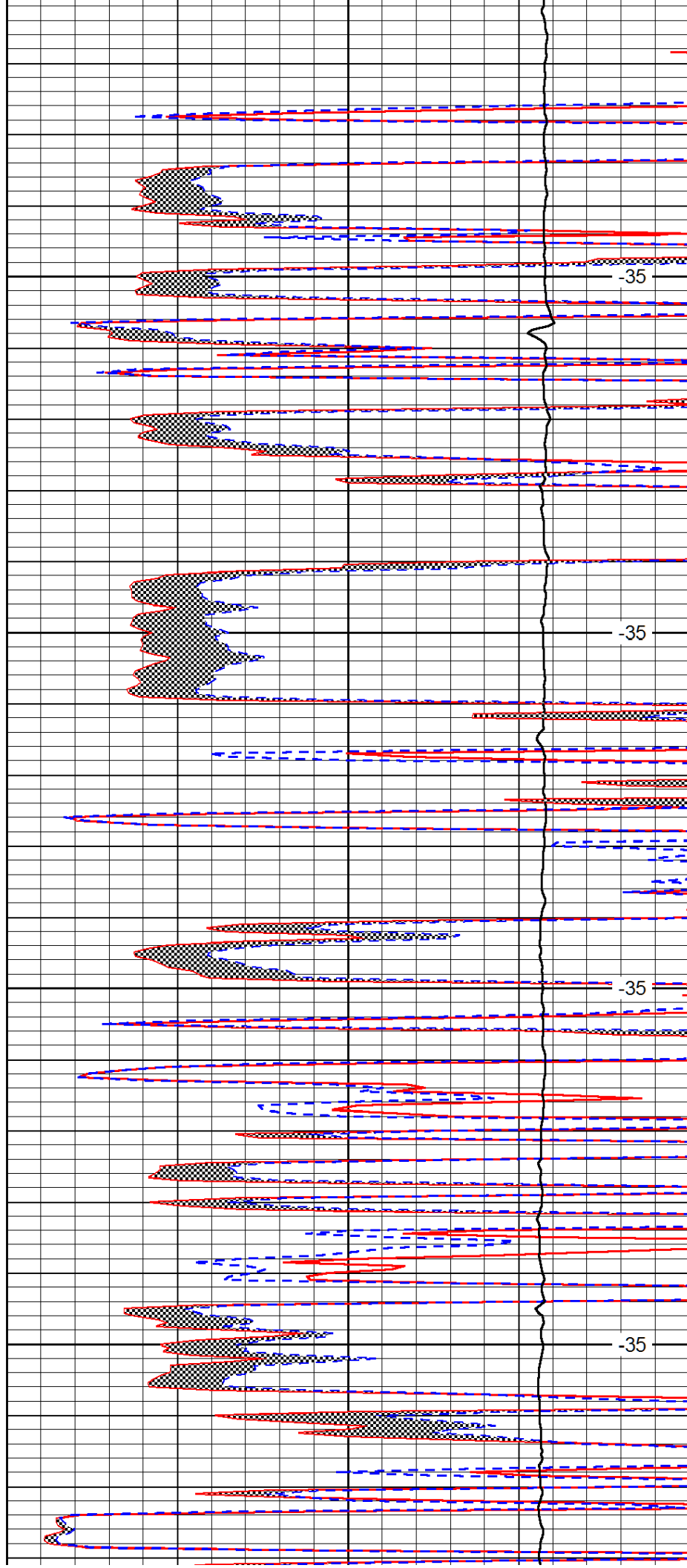


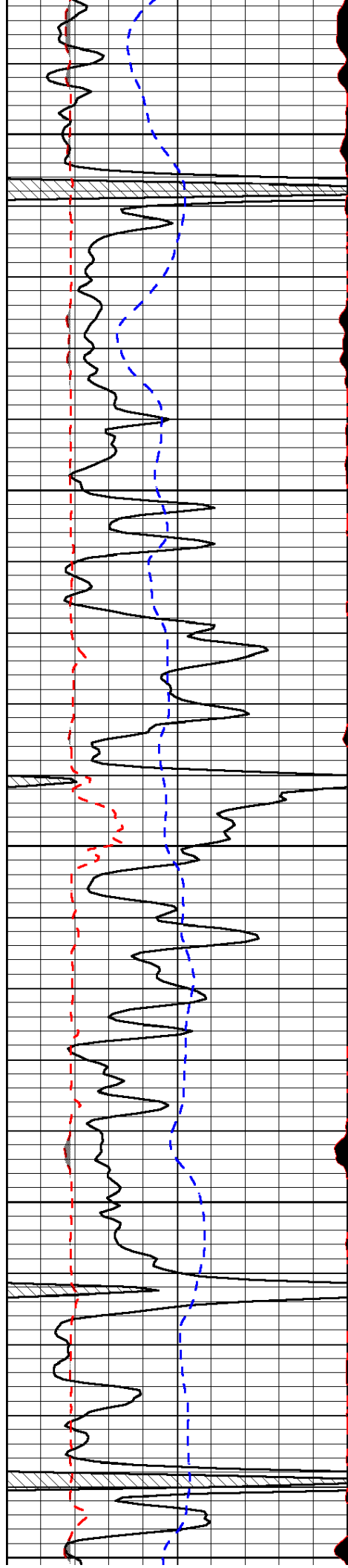
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4100

4150

4200





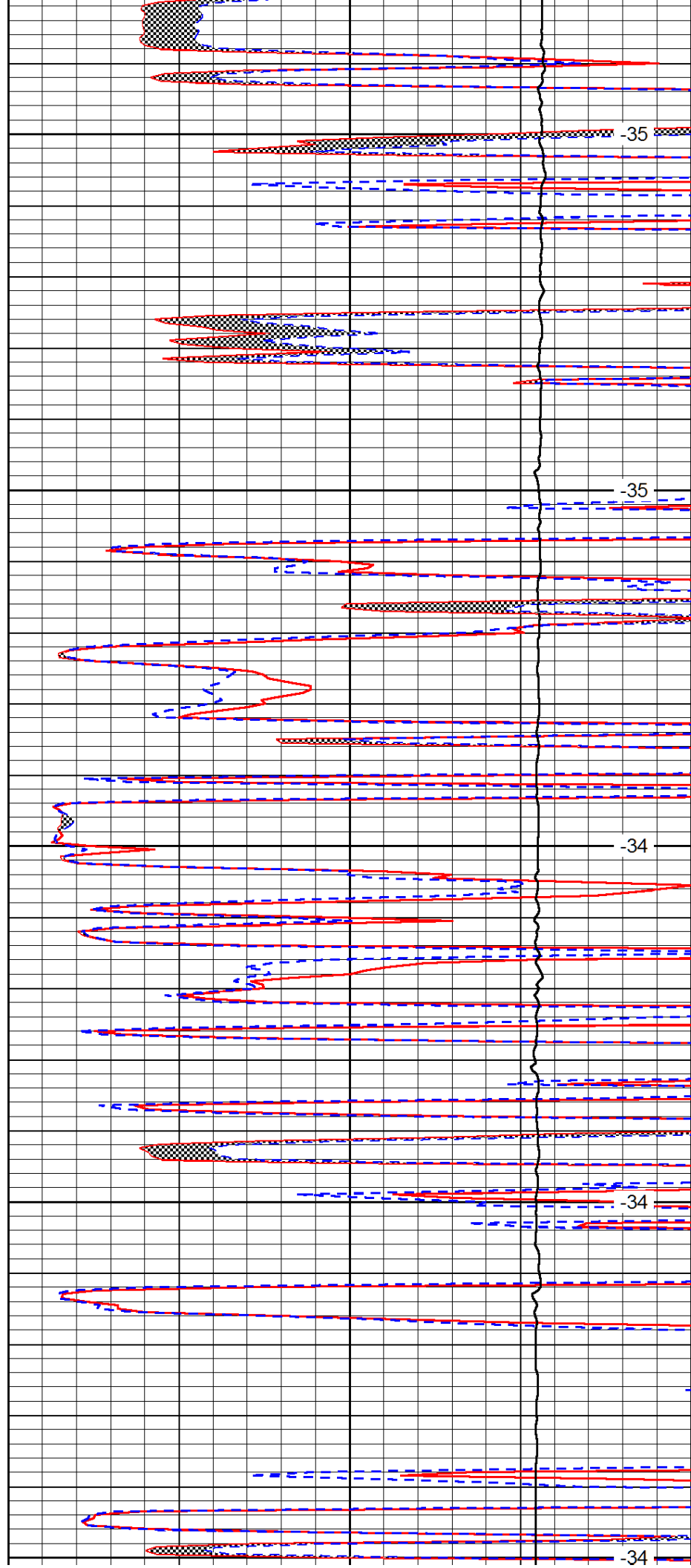
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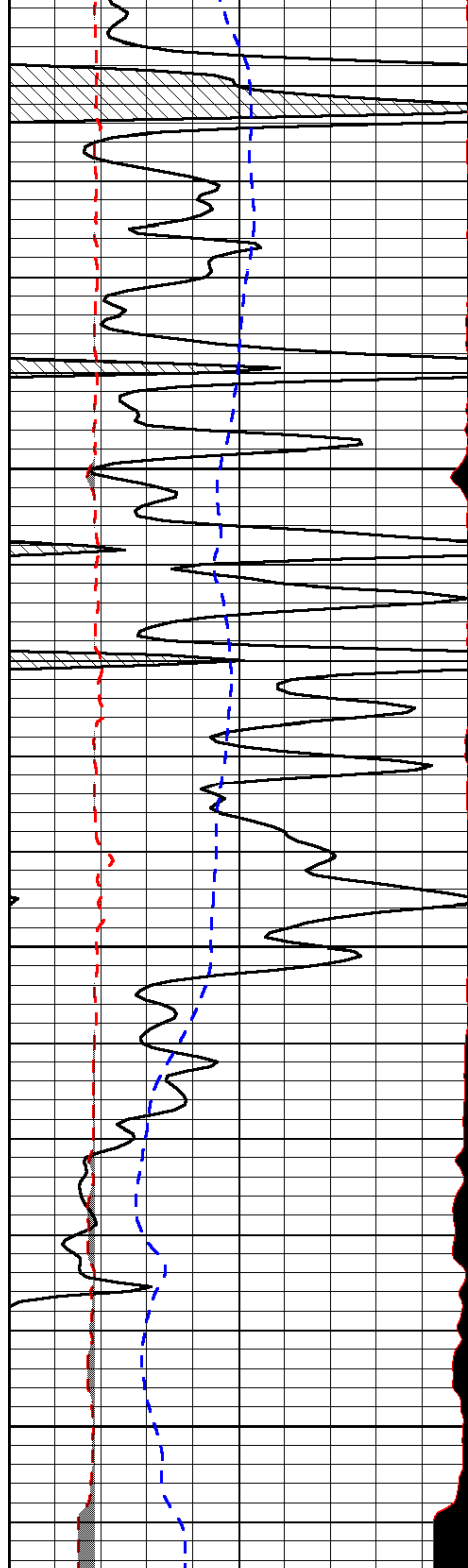
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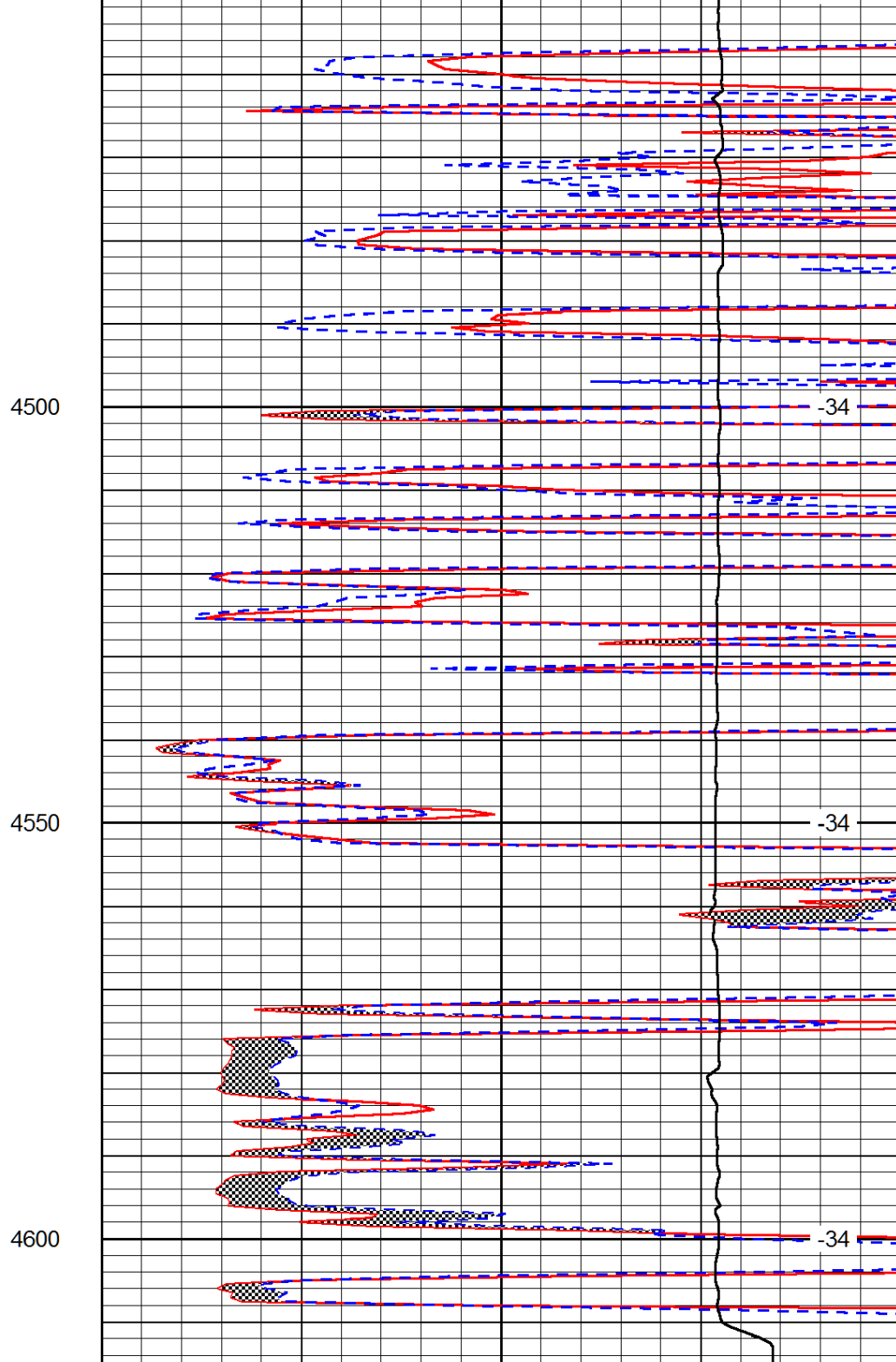
4400

4450





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