

LOG-TECH



Microresistivity Log

DIGITAL LOG

(785) 625-3858

API No.

15-101-22251-00-00

Company Larson Operating Company

Well Cramer No. 2-22

Field Wildcat

County Lane State Kansas

Location E2 SW SW SW
330' FSL & 420' FWL

Sec: 20

Twp: 17S Rge: 30W

Elevation

Permanent Datum Ground Level Elevation 2860
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2867
D.F.
G.L. 2860

Date 9/19/2010

Run Number Two

Depth Driller 4615

Depth Logger 4618

Bottom Logged Interval 4617

Top Log Interval 3600

Casing Driller 8.625 @ 257

Casing Logger 258

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 2500

Density / Viscosity 9.4 50

pH / Fluid Loss 11.0 8.0

Source of Sample Flowline

Rm @ Meas. Temp .9 @ 72

Rmf @ Meas. Temp .68 @ 72

Rmc @ Meas. Temp 1.22 @ 72

Source of Rmf / Rmc Charts

Rm @ BHT .52 @ 124

Operating Rig Time 4 Hours

Max Rec. Temp. F 124

Equipment Number 17

Location Hays

Recorded By R. Barnhart

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.

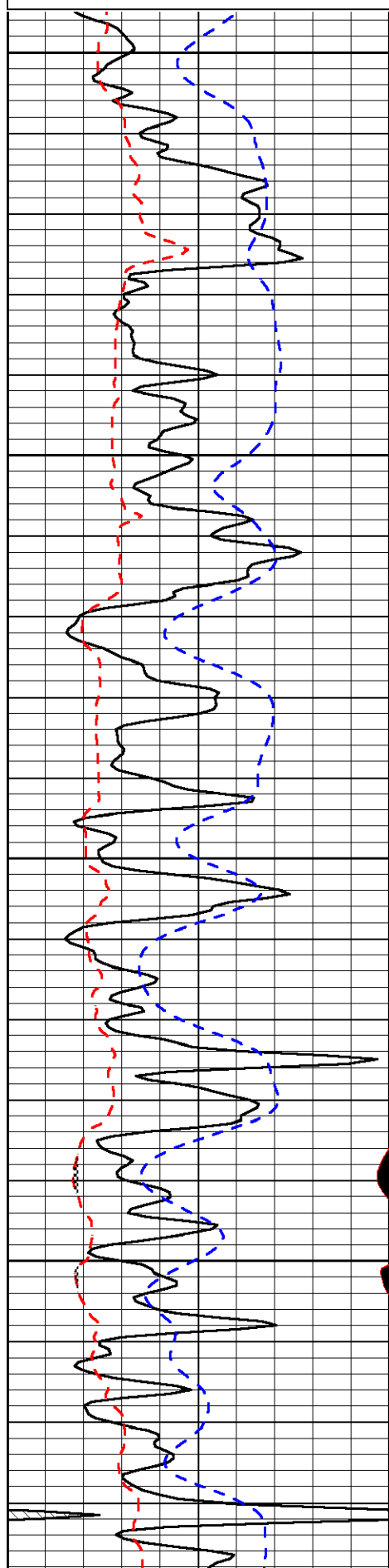
Comments

Thank you for using Log-Tech, Inc.
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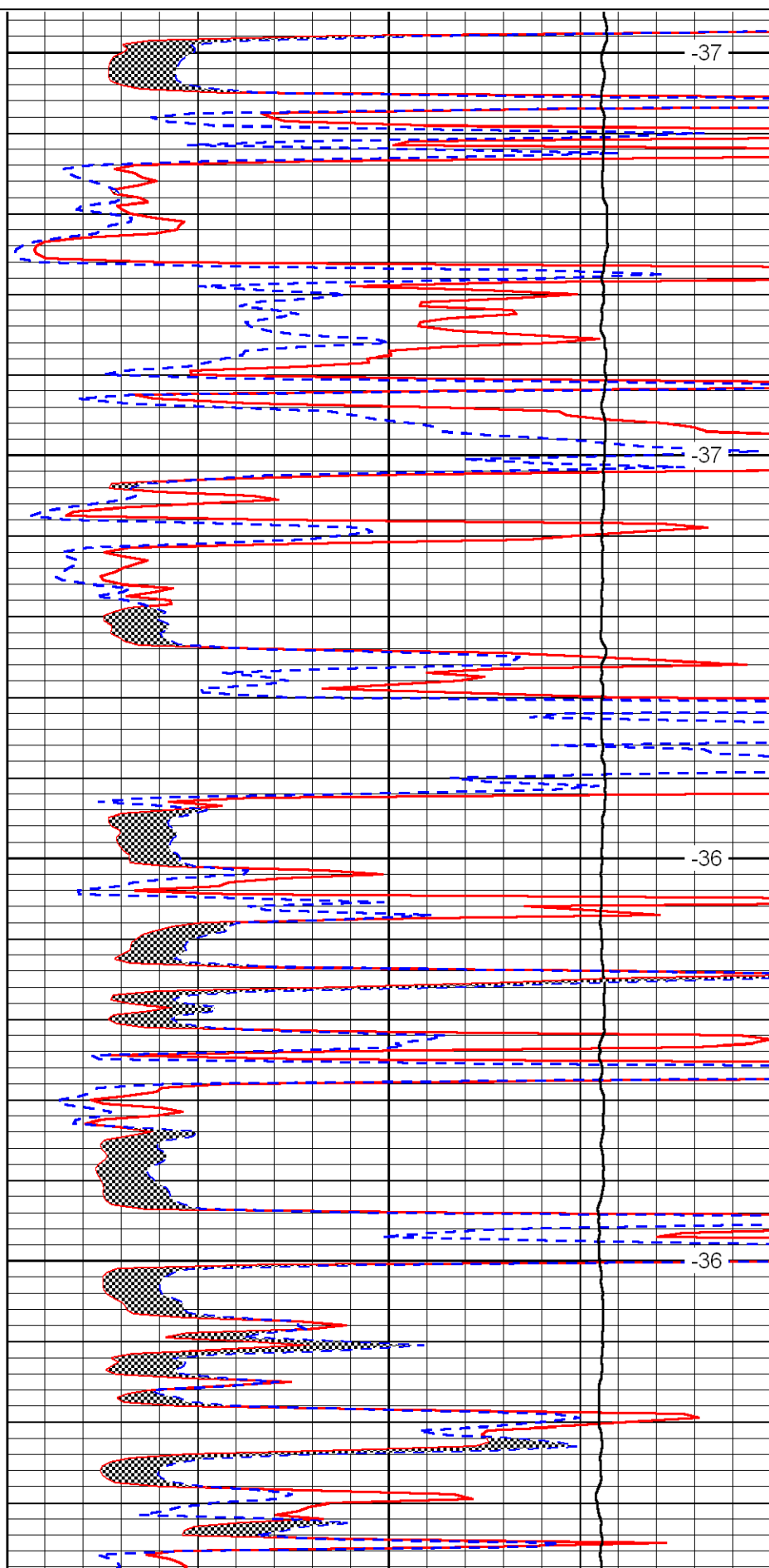
Dighton, KS:
8 W to Dodge Rd., 5N to Rd. 200,
1W, 1/10N, E into

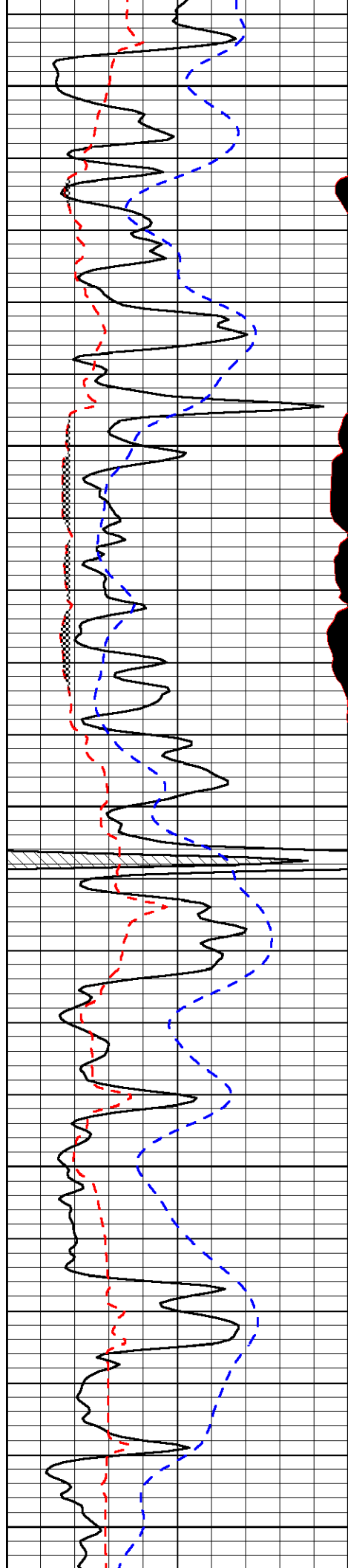
Database File: laron_cramer2-22hd.db
Dataset Pathname: dil/laron3
Presentation Format: micro
Dataset Creation: Sun Sep 19 18:04:26 2010
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP	0



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





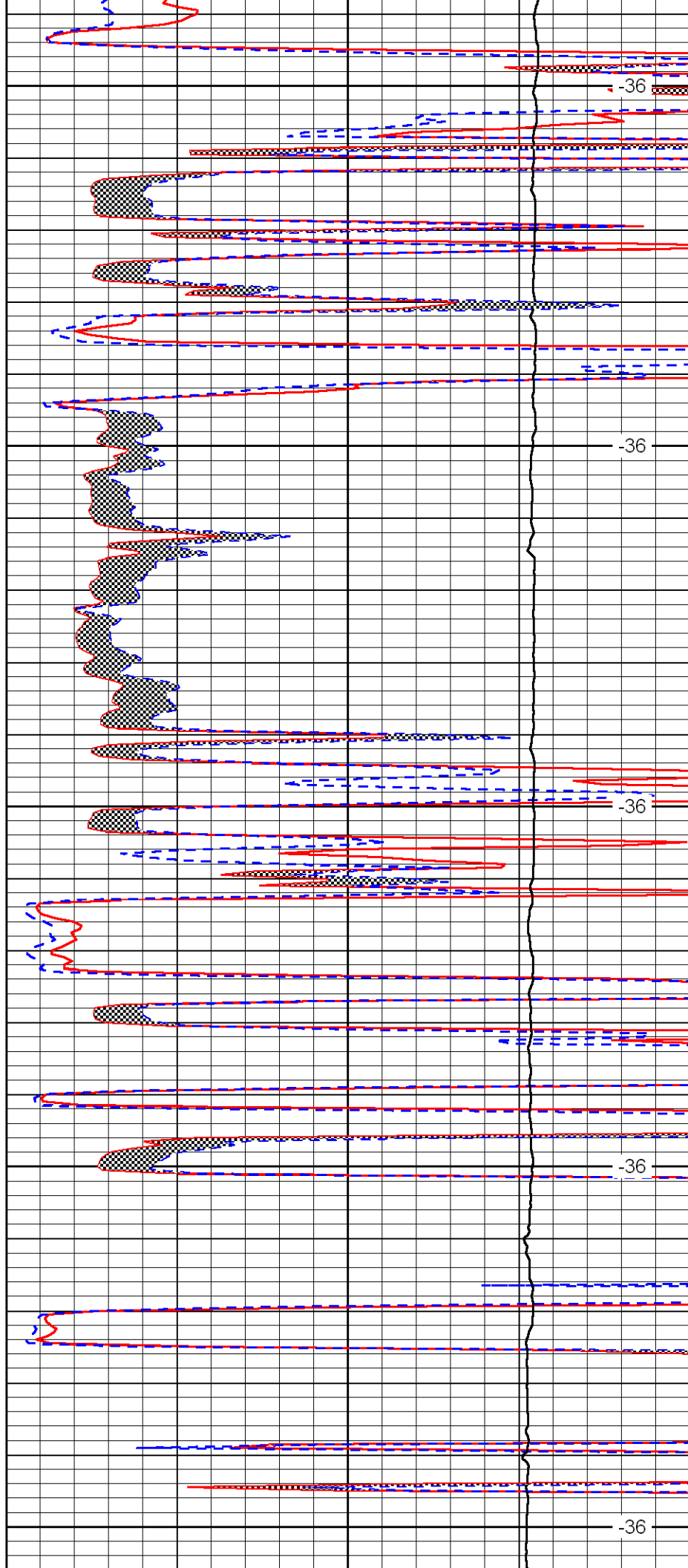
3800

3850

3900

3950

4000



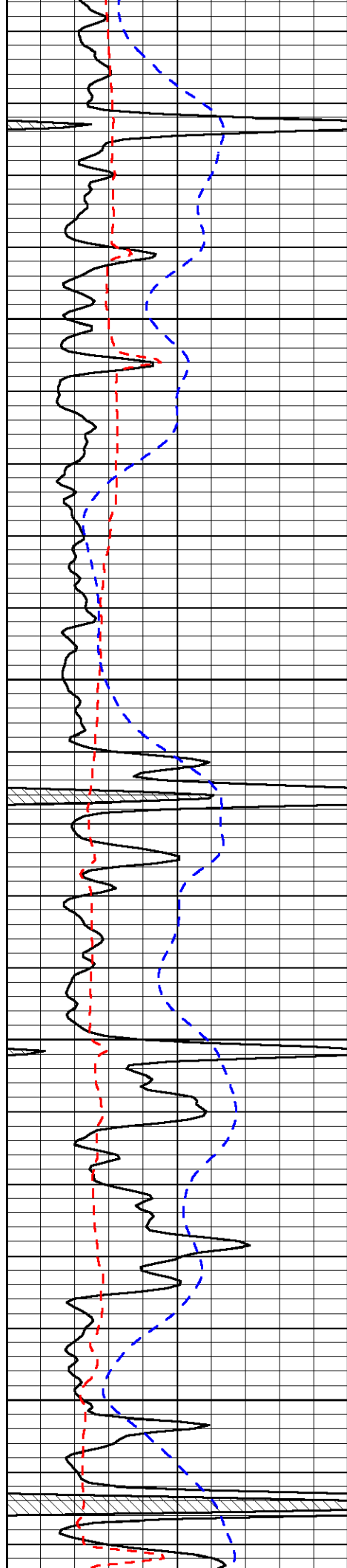
-36

-36

-36

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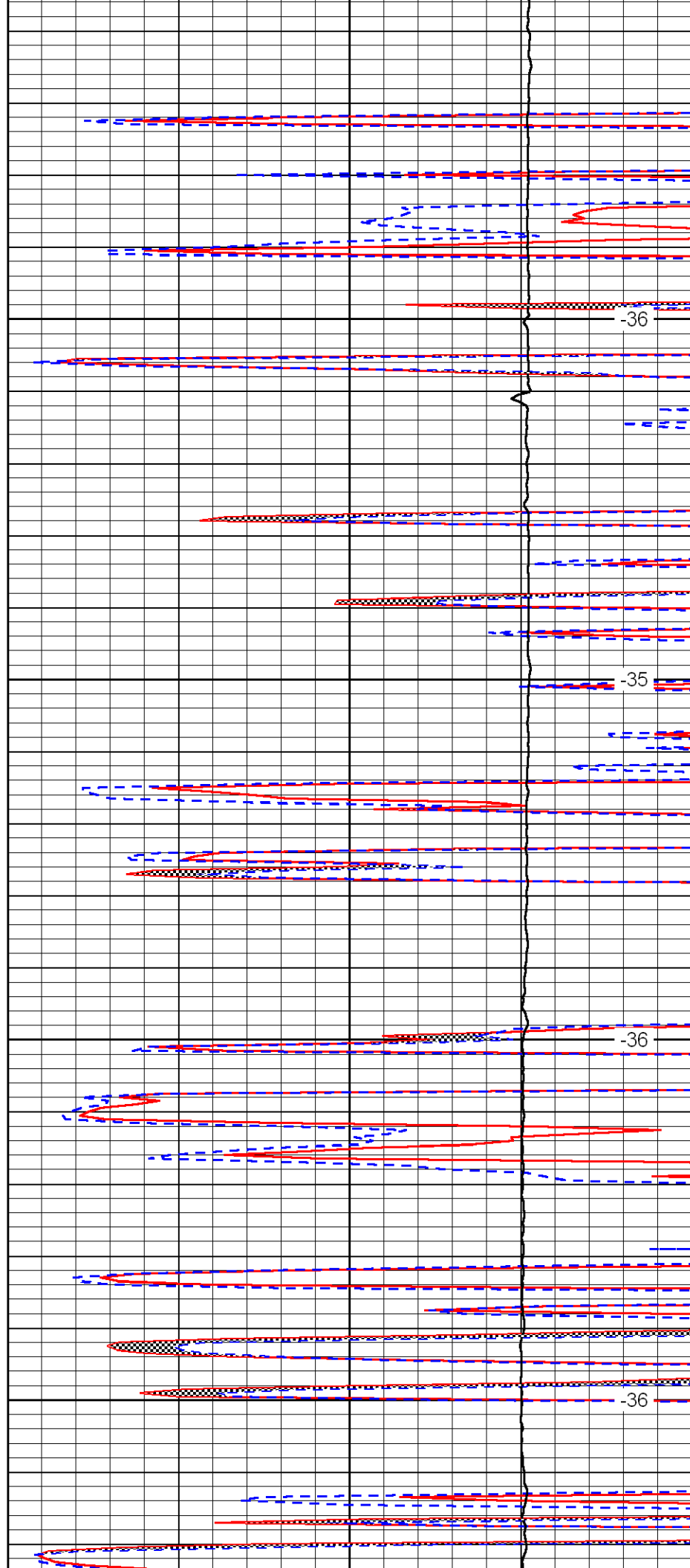


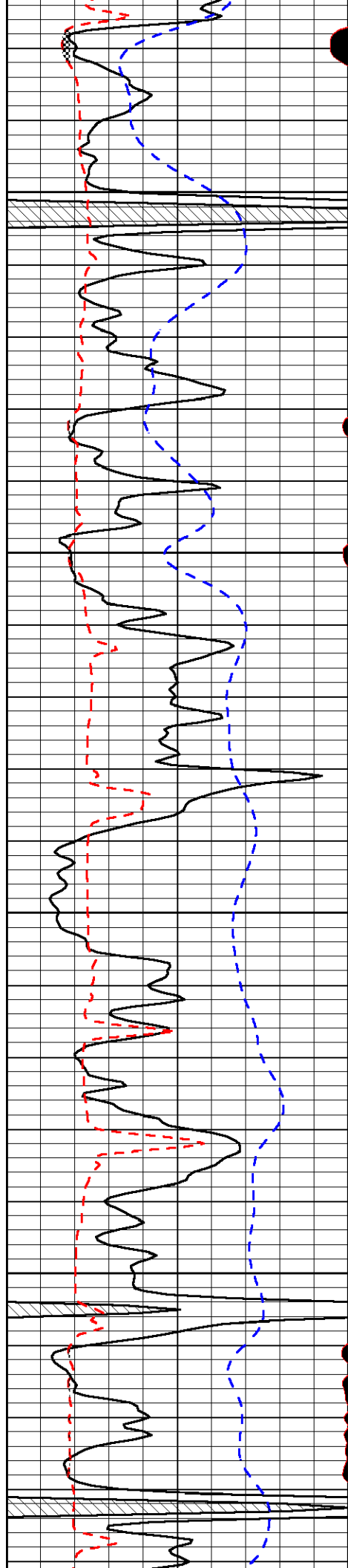
4050

4100

4150

4200



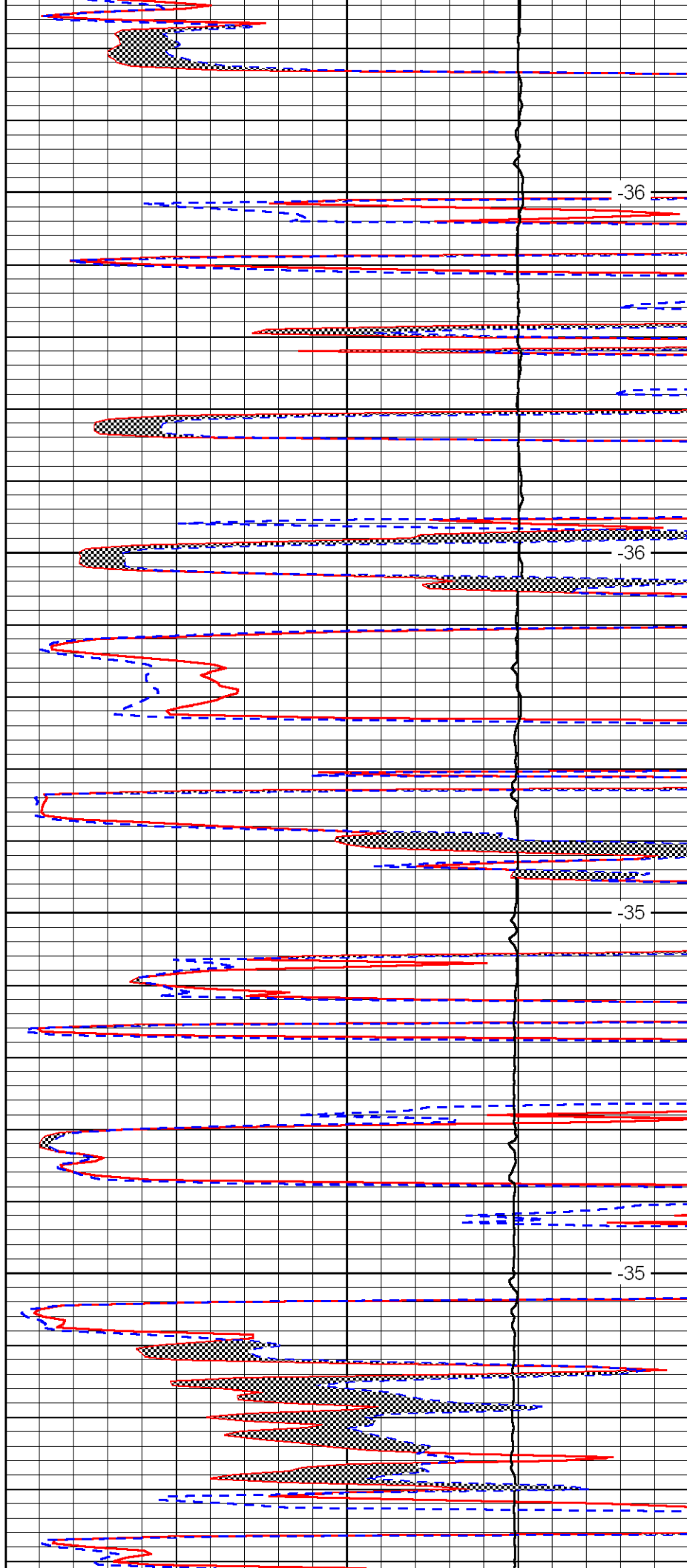


4250

4300

4350

4400



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-36

-35

-35

