



Microresistivity Log

Pioneer Energy Services

API No.

15-101-22535-00-00

Company Larson Engineering, Inc.

Well Lora #1-32

Field Wildcat

County Lane State

Kansas

Location 330' FSL & 865' FEL

Other Services
CNL/CDL
DIL

Sec: 32 Twp: 19S Rge: 29W

Permanent Datum Ground Level Elevation 2865
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 2872
D.F. 2865
G.L. 2865

Date 9/15/2014

Run Number Two

Depth Driller 4675

Depth Logger 4675

Bottom Logged Interval 4674

Top Log Interval 3600

Casing Driller 8.625 @ 263

Casing Logger 260

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 3700

Density / Viscosity 9.1 54

pH / Fluid Loss 10.5 8.0

Source of Sample Flowline

Rm @ Meas. Temp 0.76 @ 57

Rmf @ Meas. Temp 0.57 @ 57

Rmc @ Meas. Temp 1.03 @ 57

Source of Rmf / Rmc Charts

Rm @ BHT 0.35 @ 123

Operating Rig Time 4 Hours

Max Rec. Temp. F 123

Equipment Number 91

Location Hays

Recorded By D. Schmitt

Witnessed By Vern Schrag

<<< Fold Here >>>

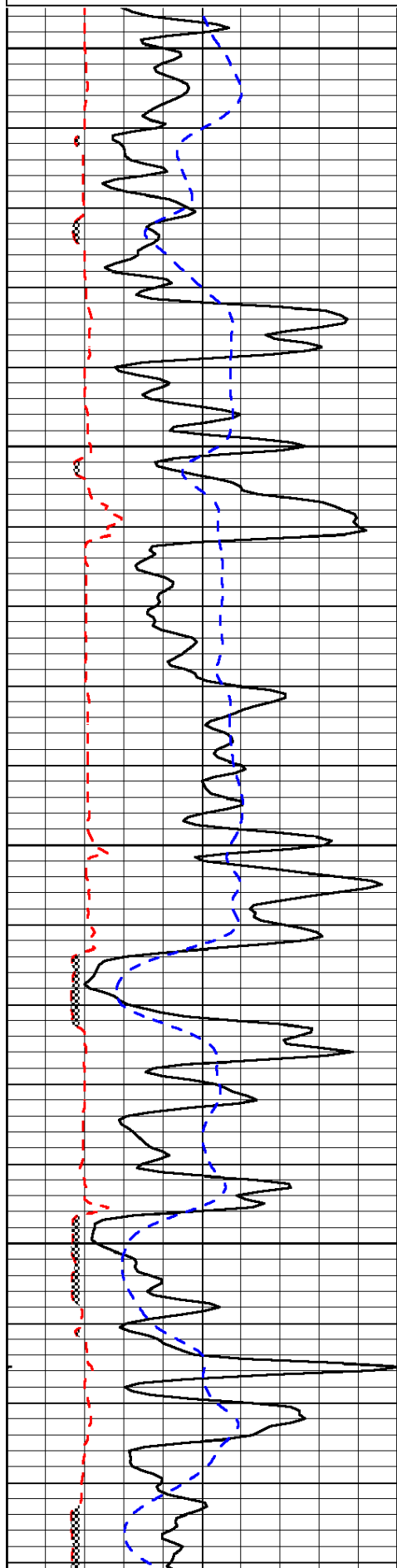
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 Pioneer Energy Services
www.pioneerres.com
785 625 3858
Dighton,
9 South to Rd 60, 4 1/4 West,
North into

Database File: c:\warrior\data\larson_lora #1-32\larson_lora_1-32hd.db
Dataset Pathname: dil/lastack
Presentation Format: micro
Dataset Creation: Mon Sep 15 09:32:30 2014
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:2.15		
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

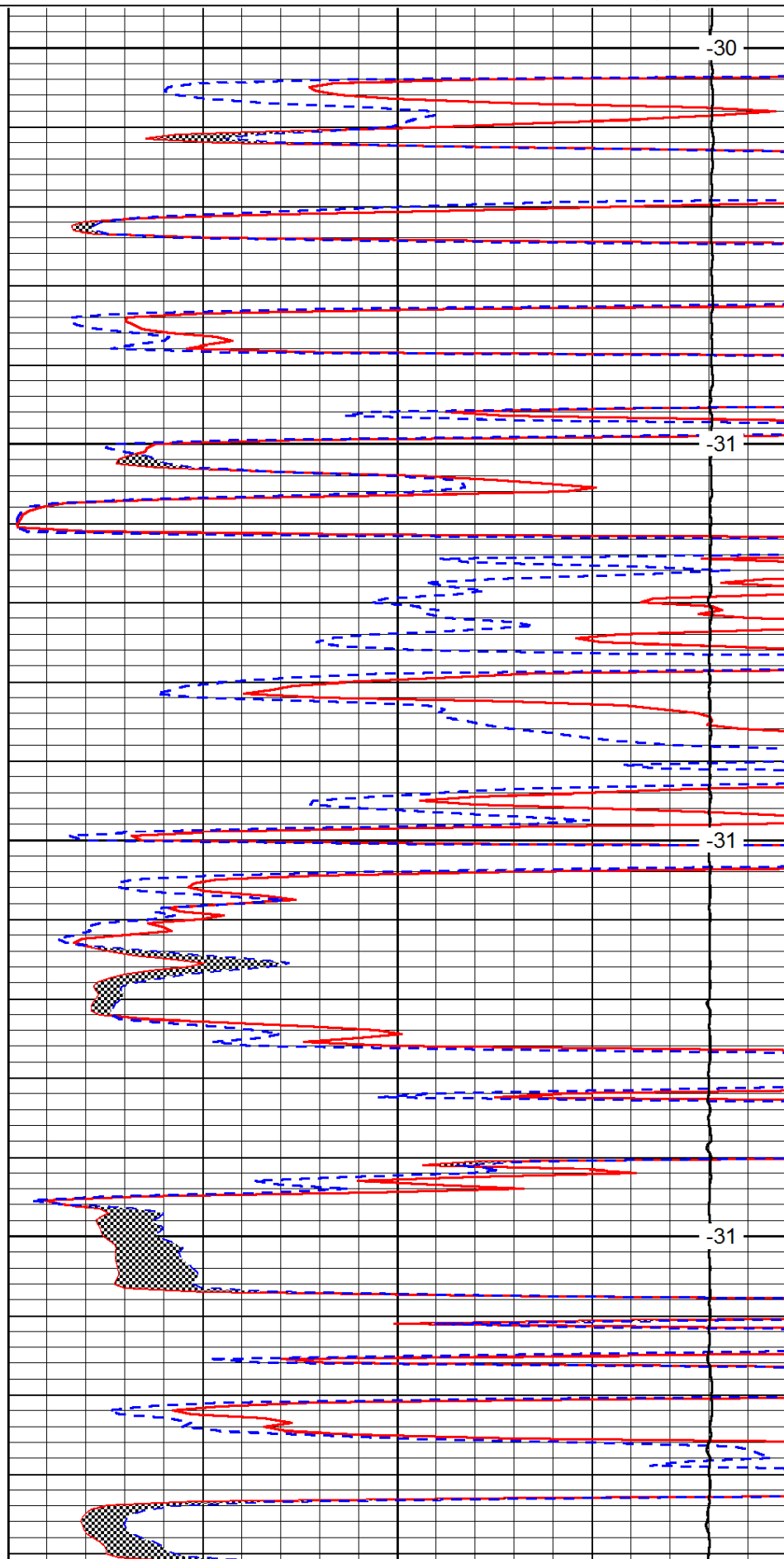


3600

3650

3700

3750



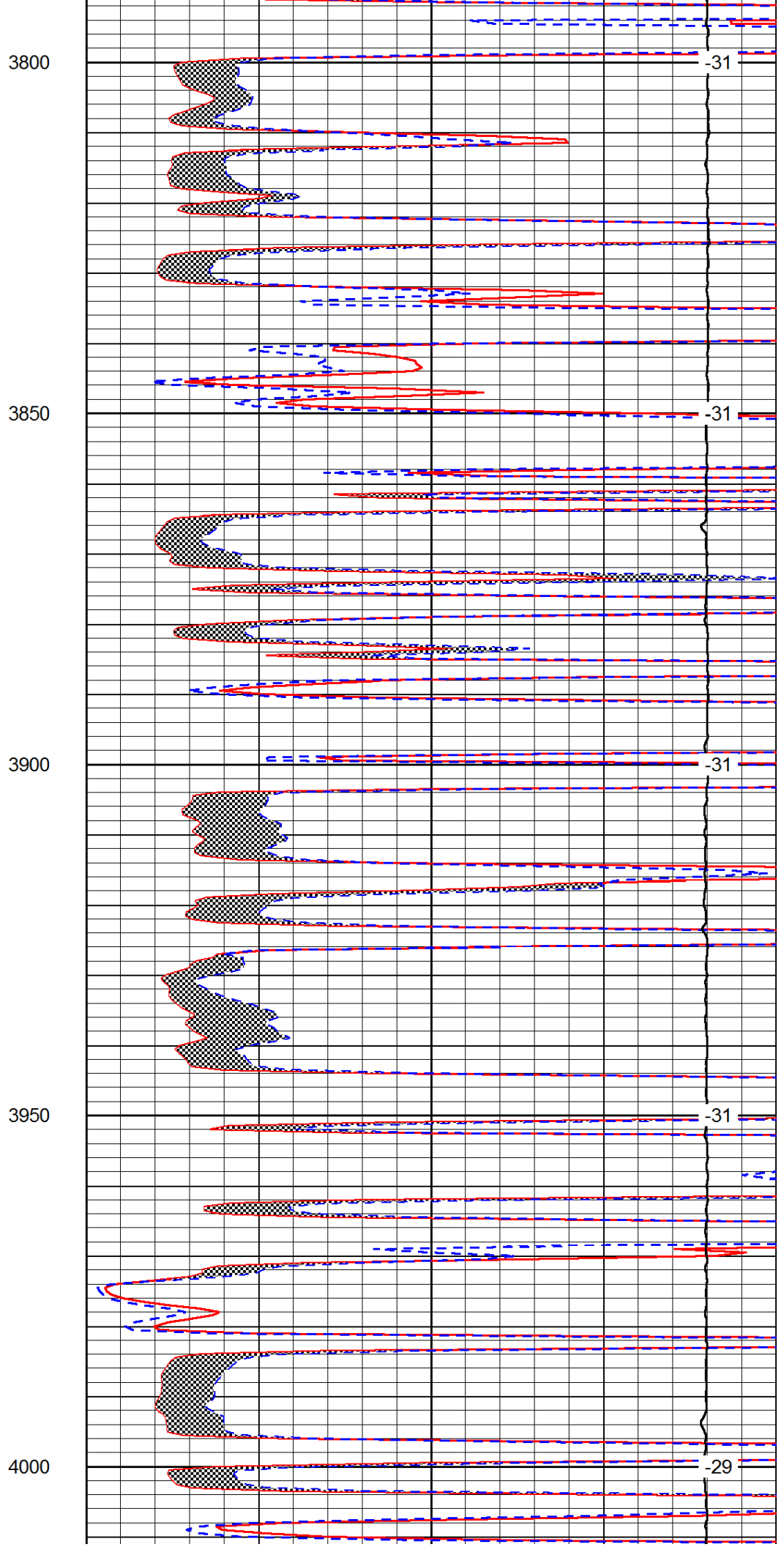
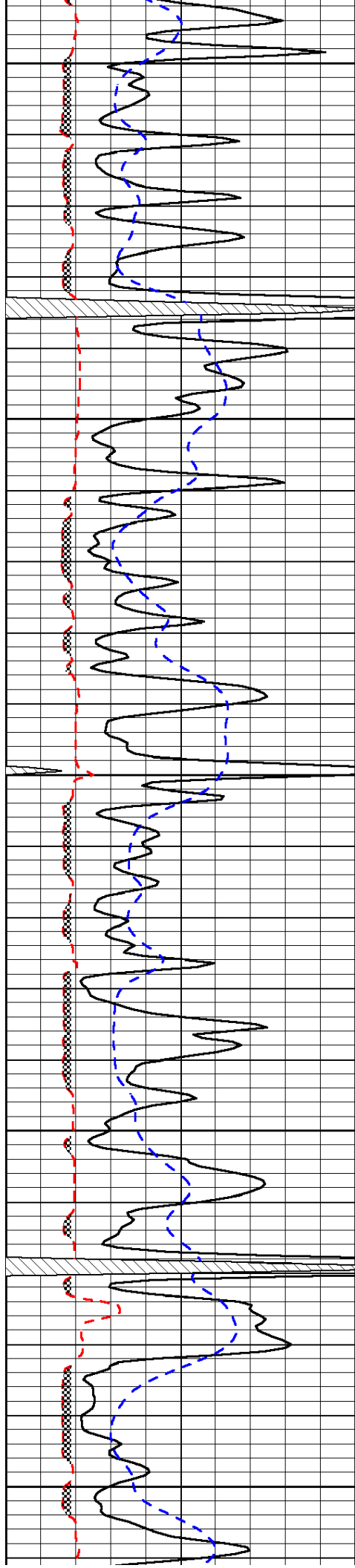
LSPD

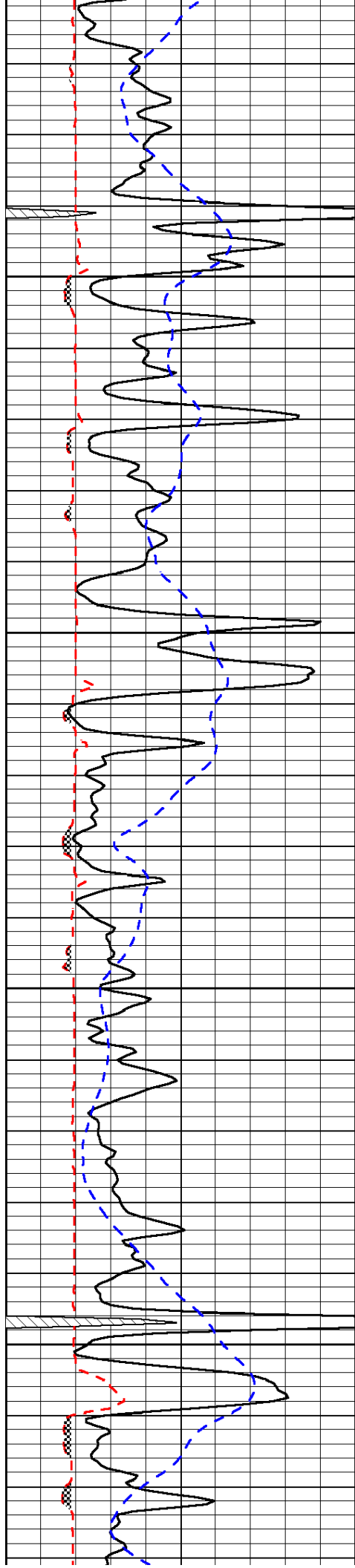
-30

-31

-31

-31



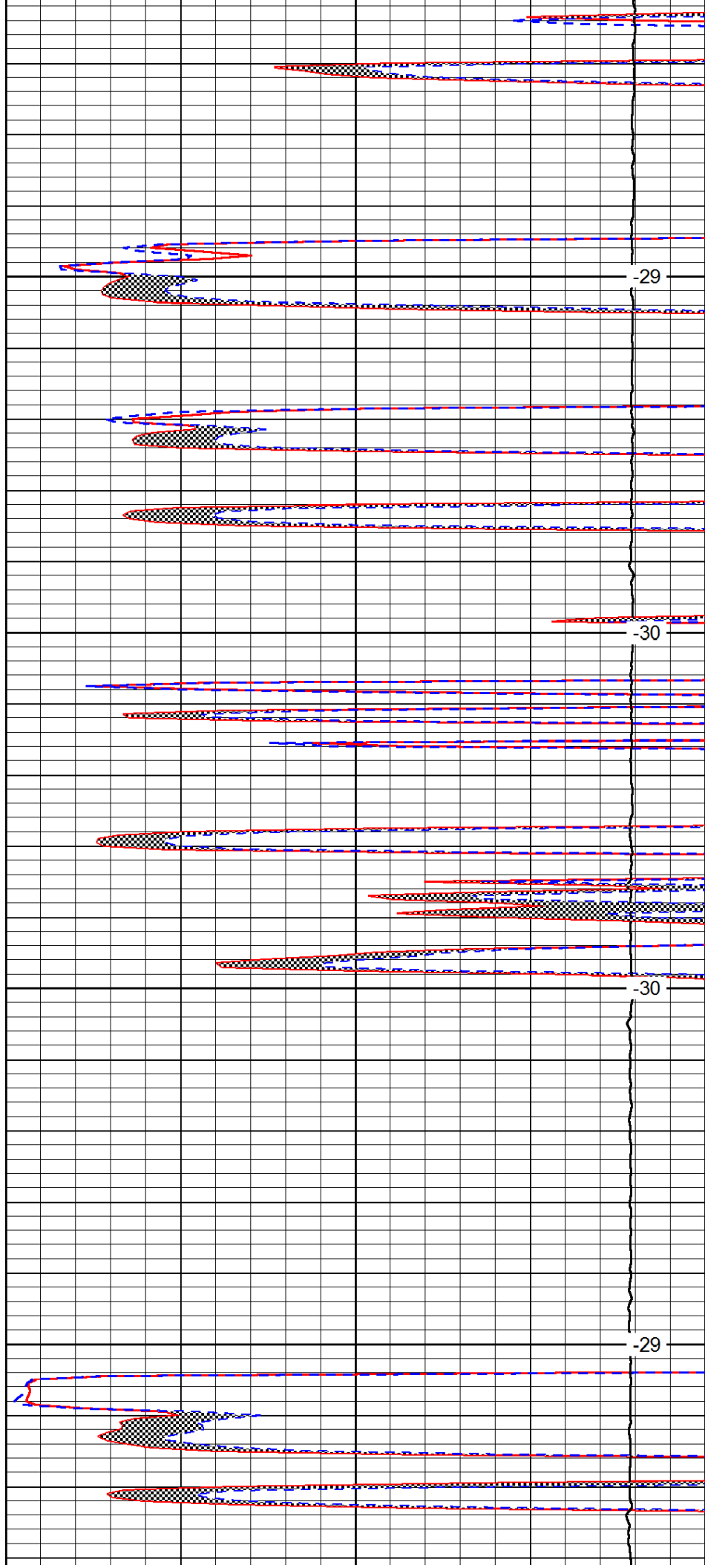


4050

4100

4150

4200

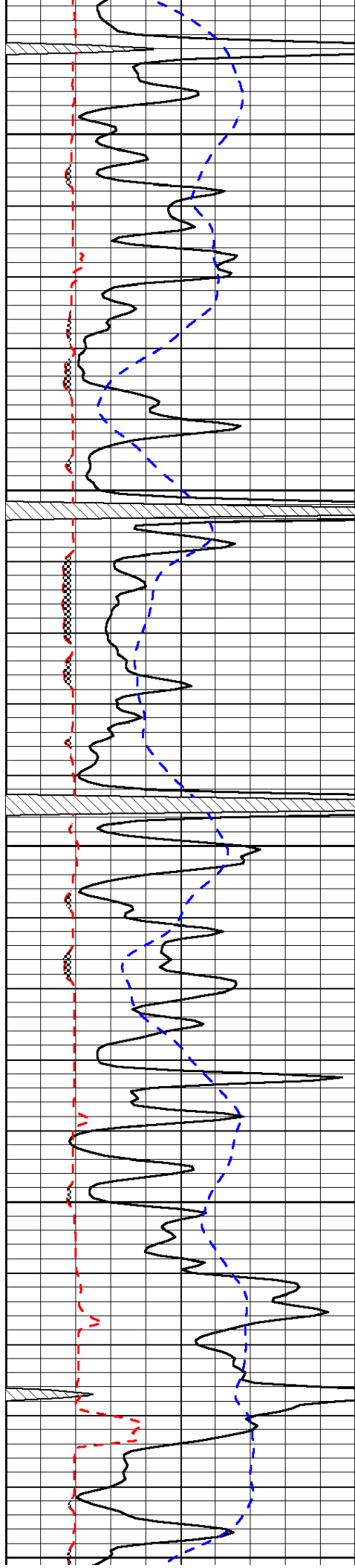


-29

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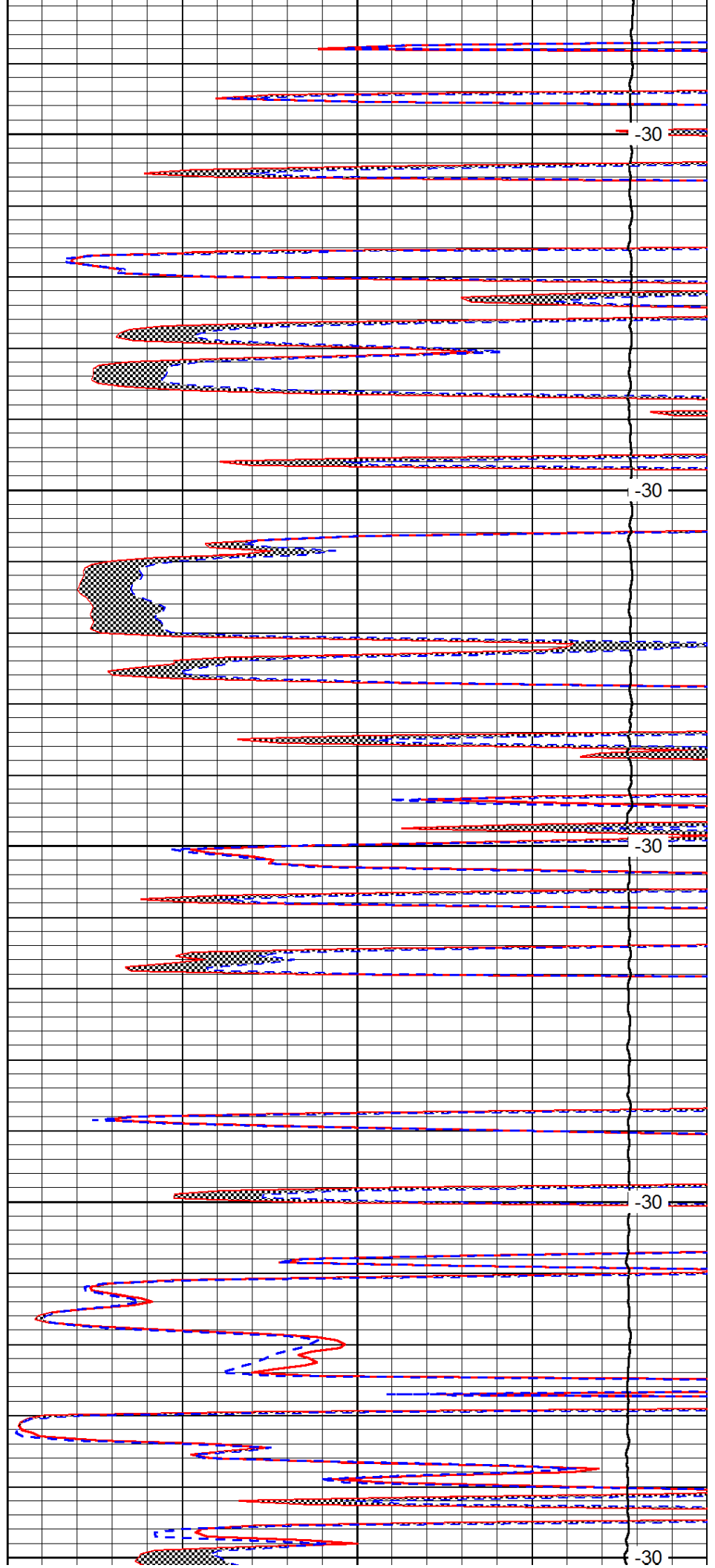
4250

4300

4350

4400

4450



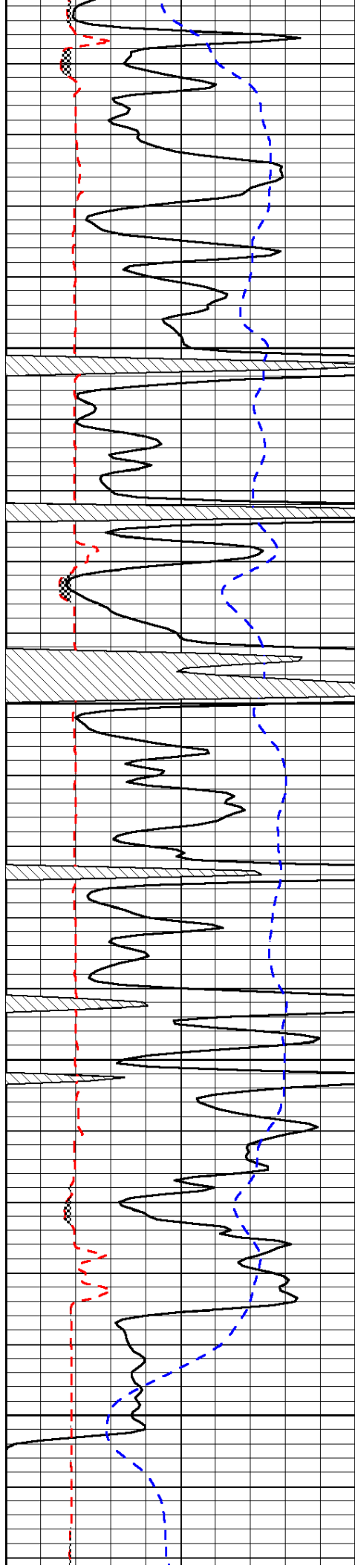
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4500

4550

4600

4650

