



Microresistivity Log

Pioneer Energy Services

API No.

15-171-21,069-00-00

Company Landmark Resources, Inc.

Well Janzen Unit #1-1

Field Wildcat

County Scott State

Kansas

Location

1627' FSL & 320' FEL

Sec: 1 Twp: 17S Rge: 34W

Other Services
CNL/CDL
DIL/BHCS

Elevation

K.B. 3102
D.F.
G.L. 3091

Permanent Datum Ground Level Elevation 3091
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date

5/30/2014

Run Number

One

Depth Driller

4820

Depth Logger

4823

Bottom Logged Interval

4822

Top Log Interval

3500

Casing Driller

8.625 @ 267

Casing Logger

265

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

4500

Density / Viscosity

9.3 57

pH / Fluid Loss

10.5 8.0

Source of Sample

Flowline

Rm @ Meas. Temp

0.34 @ 81

Rmf @ Meas. Temp

0.26 @ 81

Rmc @ Meas. Temp

0.46 @ 81

Source of Rmf / Rmc

Charts

Rm @ BHT

0.22 @ 124

Operating Rig Time

5 Hours

Max Rec. Temp. F

124

Equipment Number

15

Location

Hays

Recorded By

D. Kerr

Witnessed By

Terry McLeod

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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.

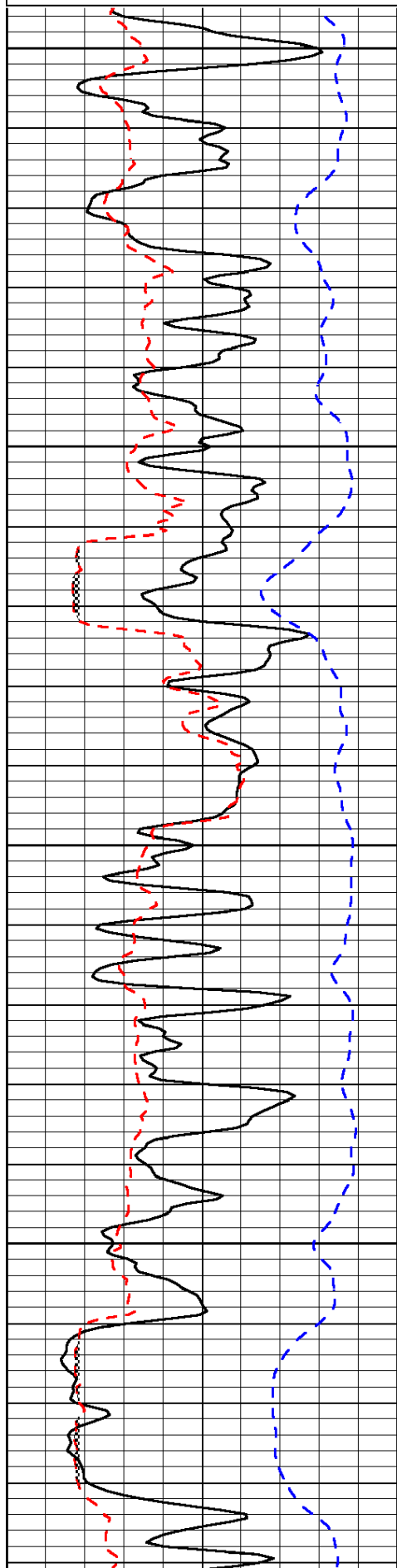
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Oakley KS, South to HWY 4 and HWY 83,
6 West, 1/2 North, West Into

Database File: c:\warrior\data\landmark_janzen unit #1-1\landmark_janzenunit_1_1hd.db
Dataset Pathname: DIL/landstk
Presentation Format: micro
Dataset Creation: Fri May 30 04:51:10 2014
Charted by: Depth in Feet scaled 1:240

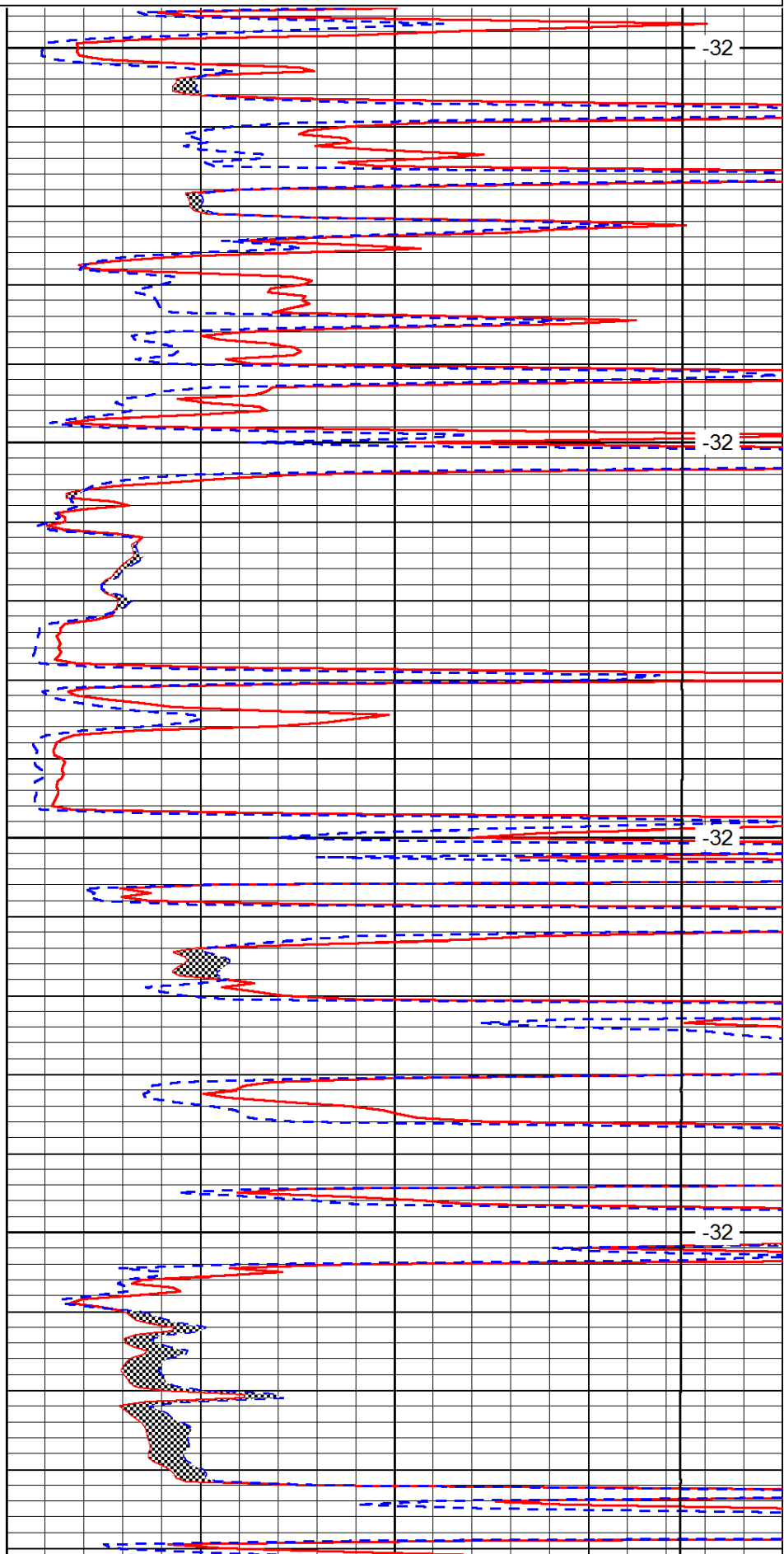
Charted by: Depth in Feet scaled 1:2.15		
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

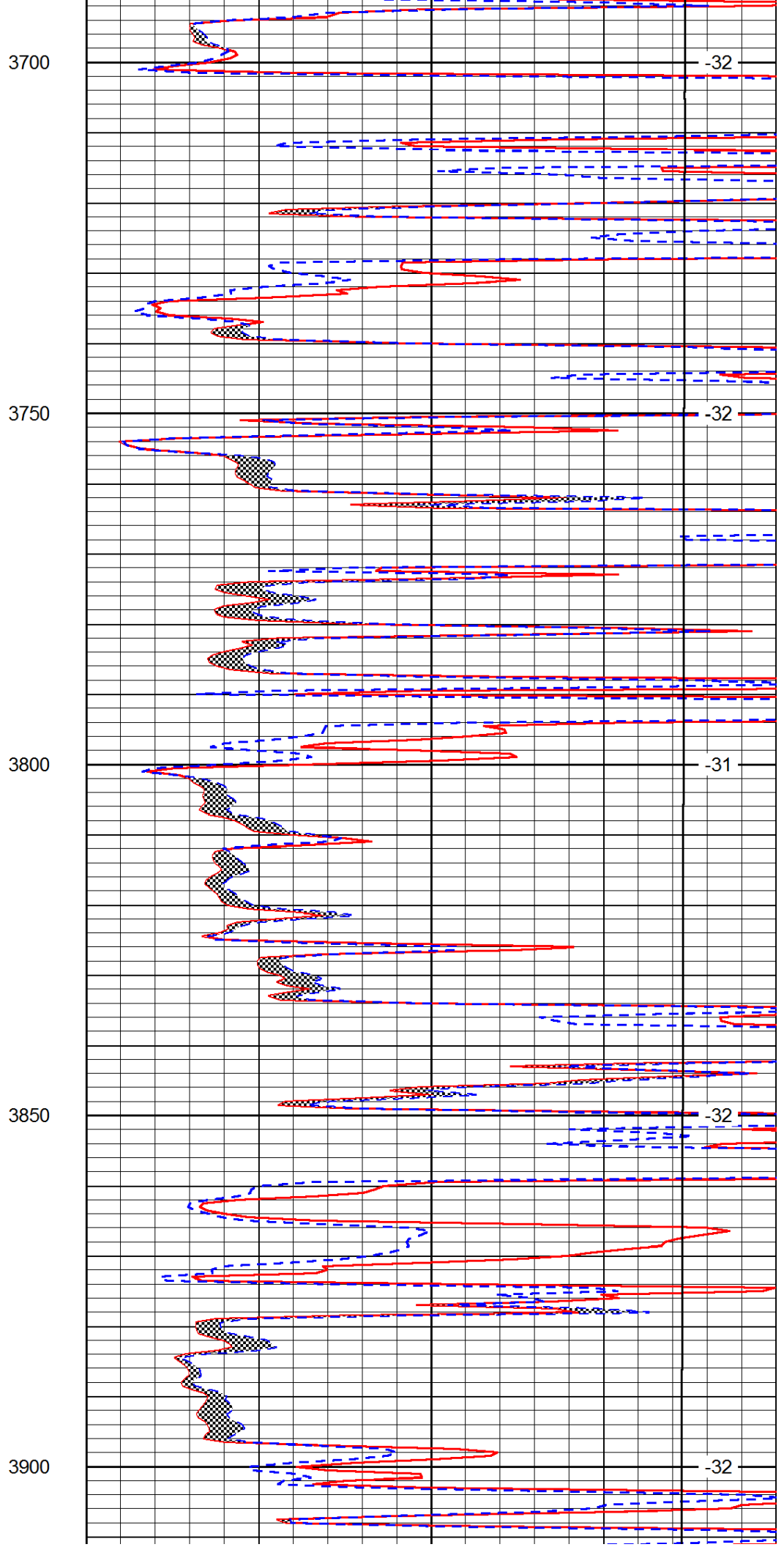
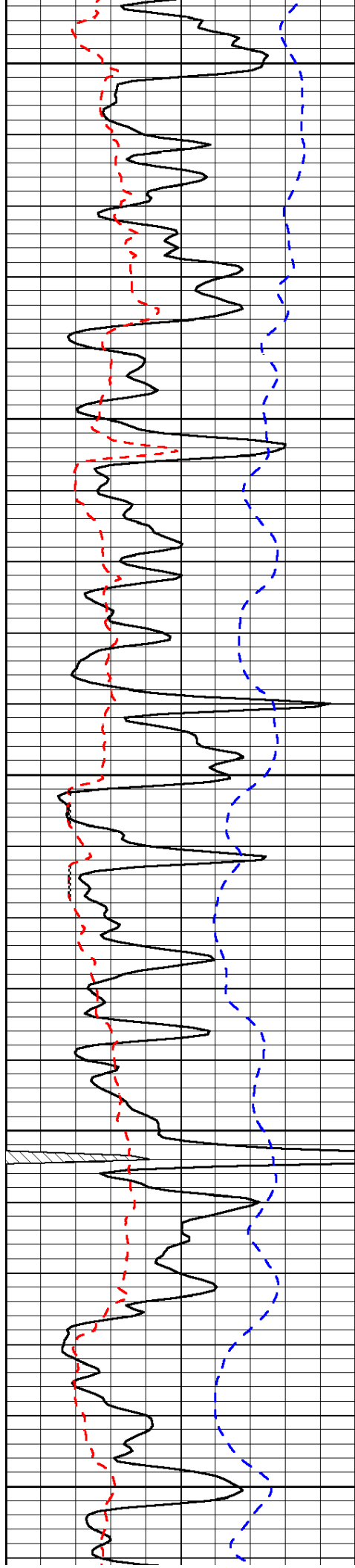


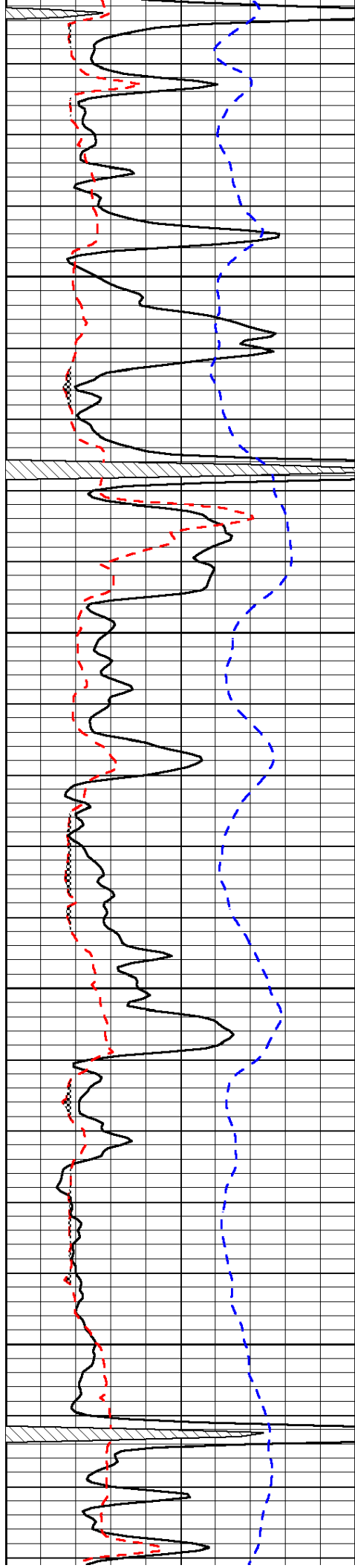
3500
3550
3600
3650

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0

LSPD





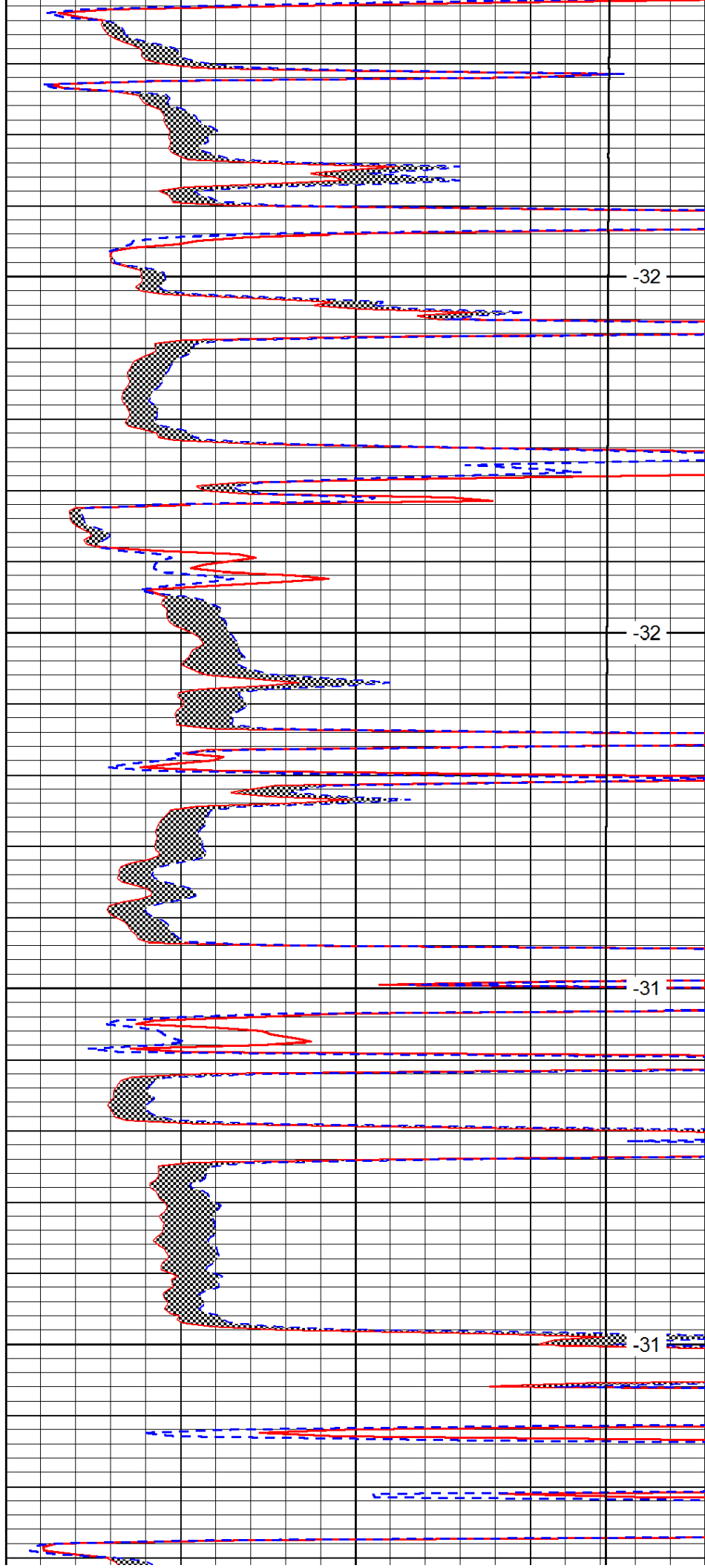


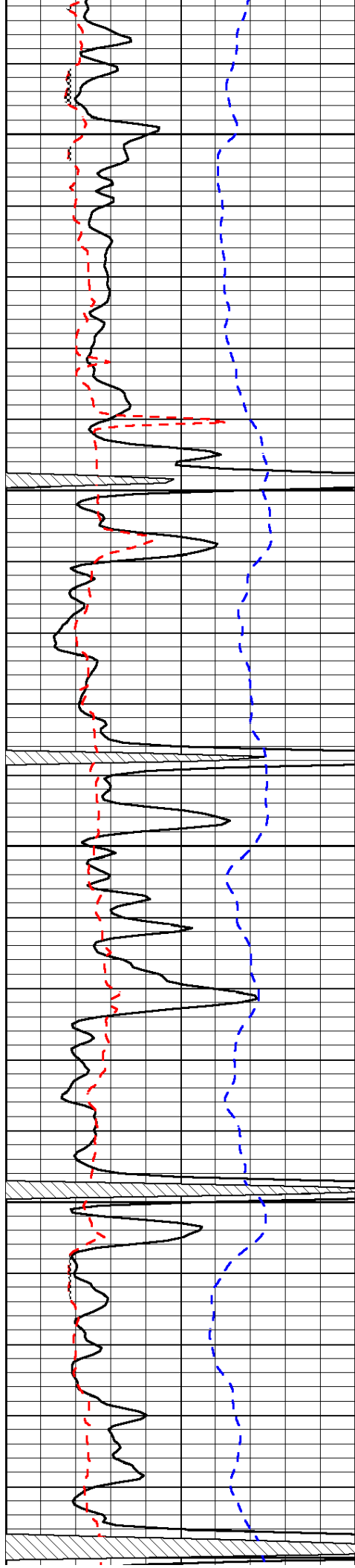
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4000

4050

4100





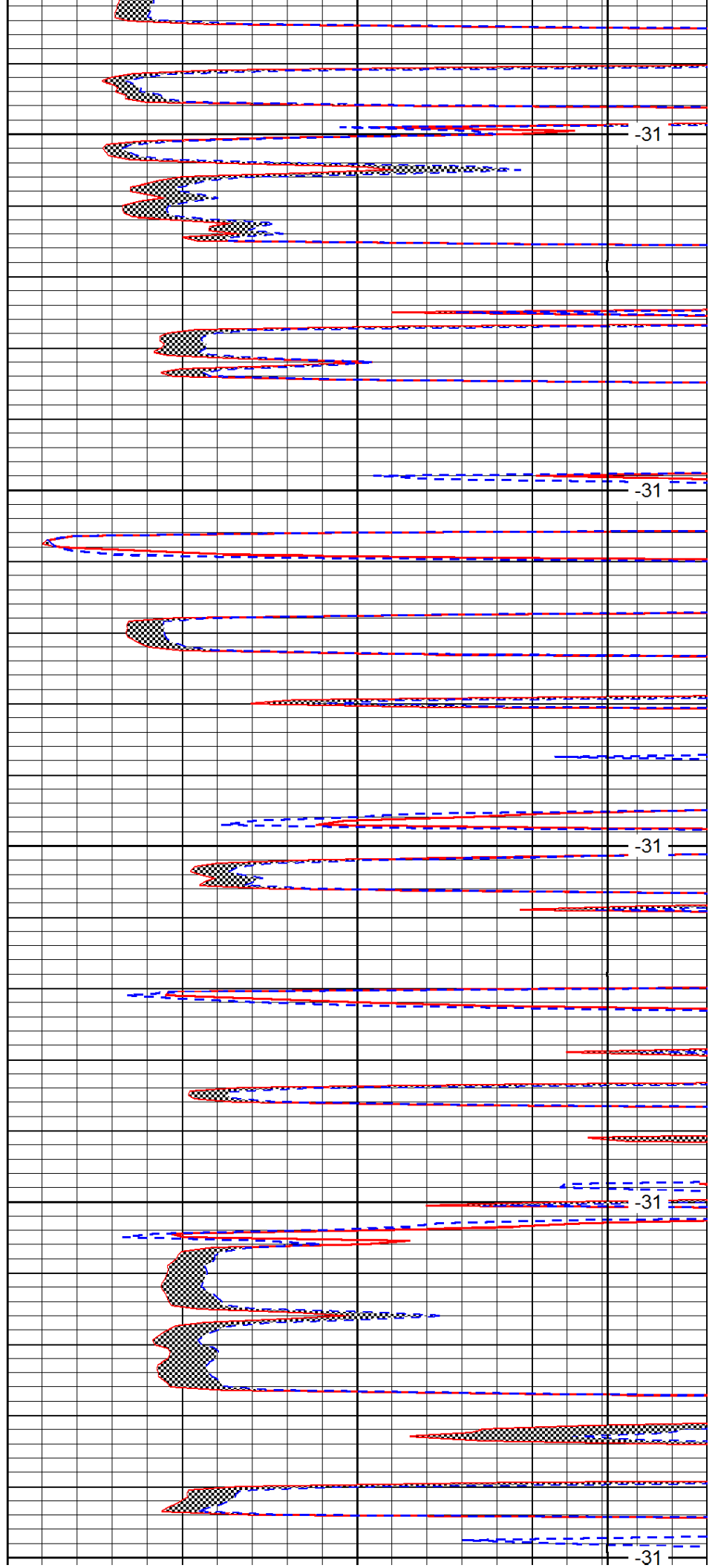
4150

4200

4250

4300

4350



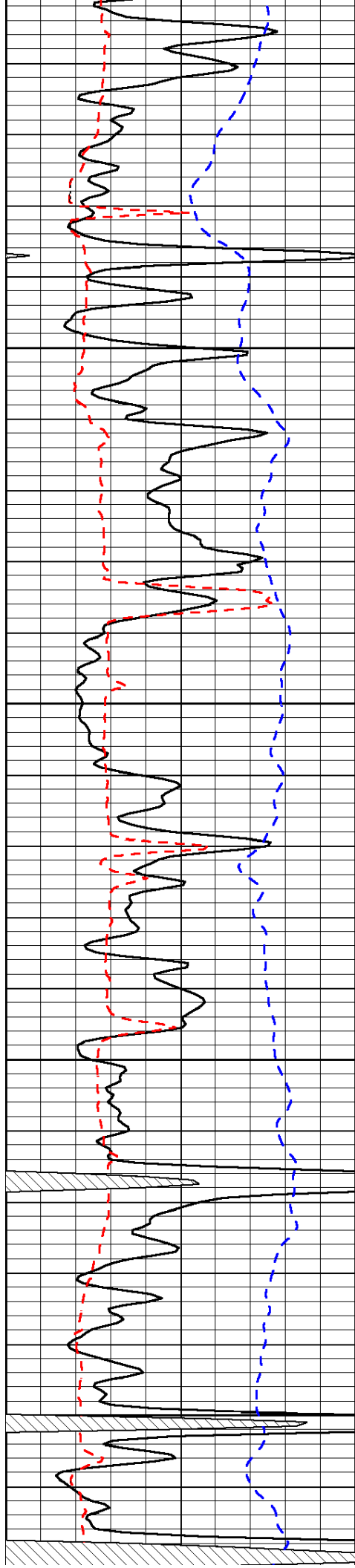
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-31

-31

-31

-31

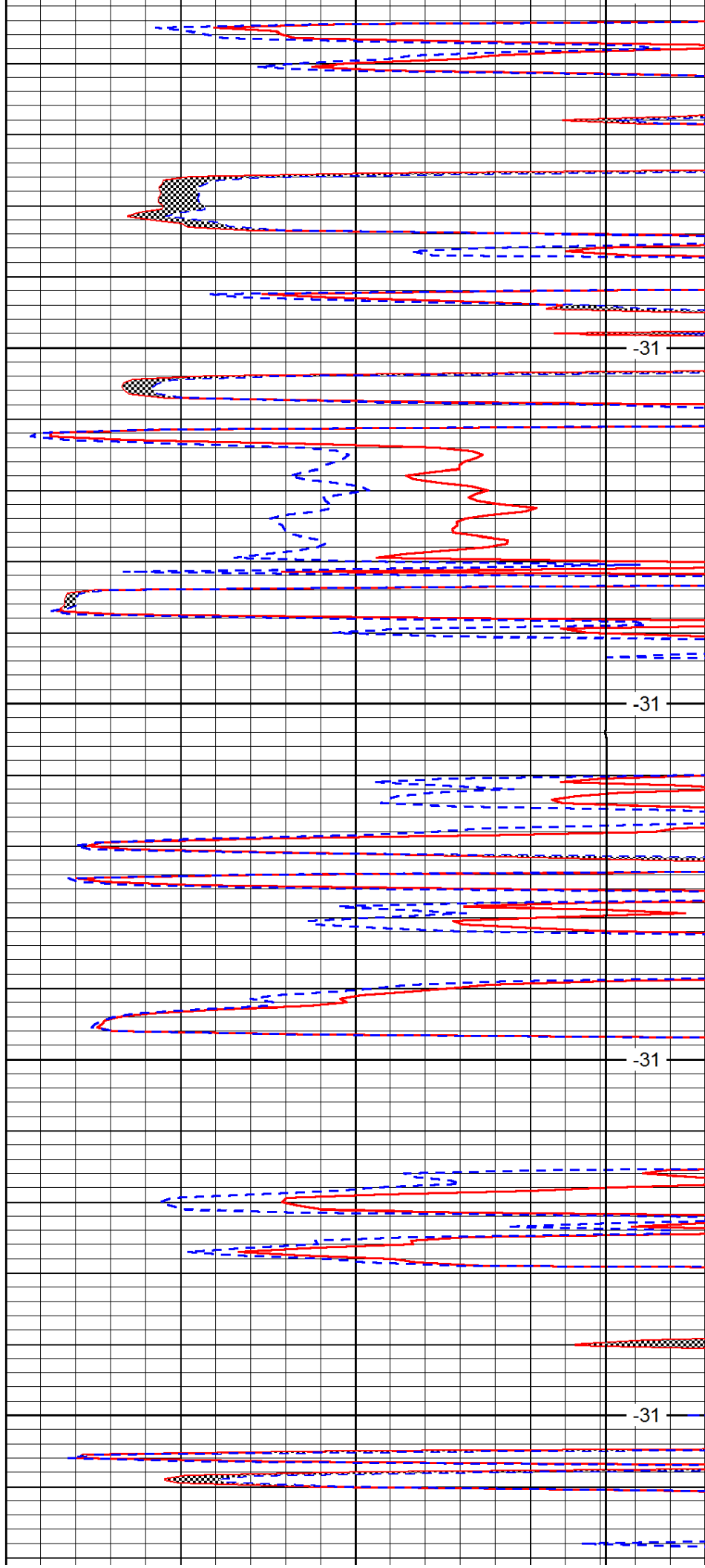


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4450

4500

4550

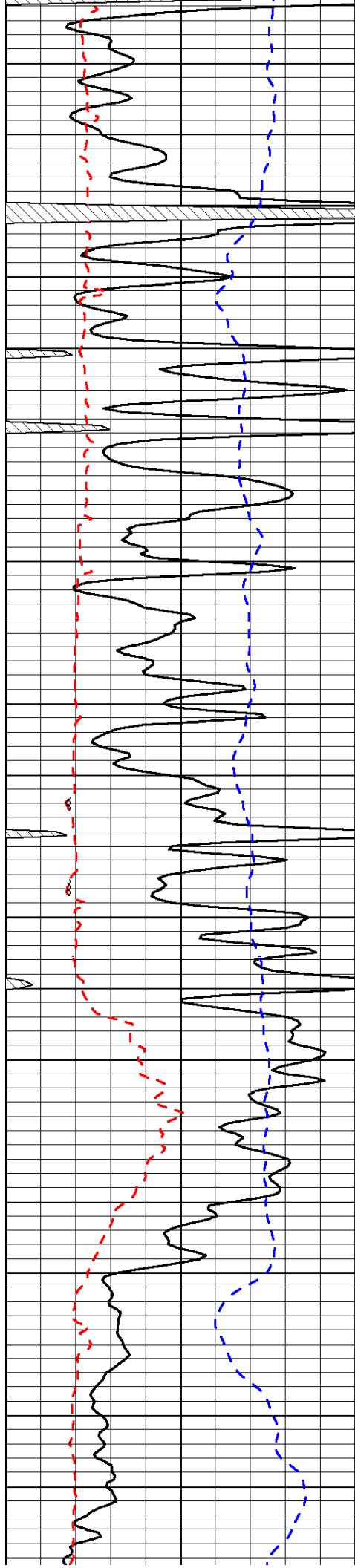


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-31

-31

-31

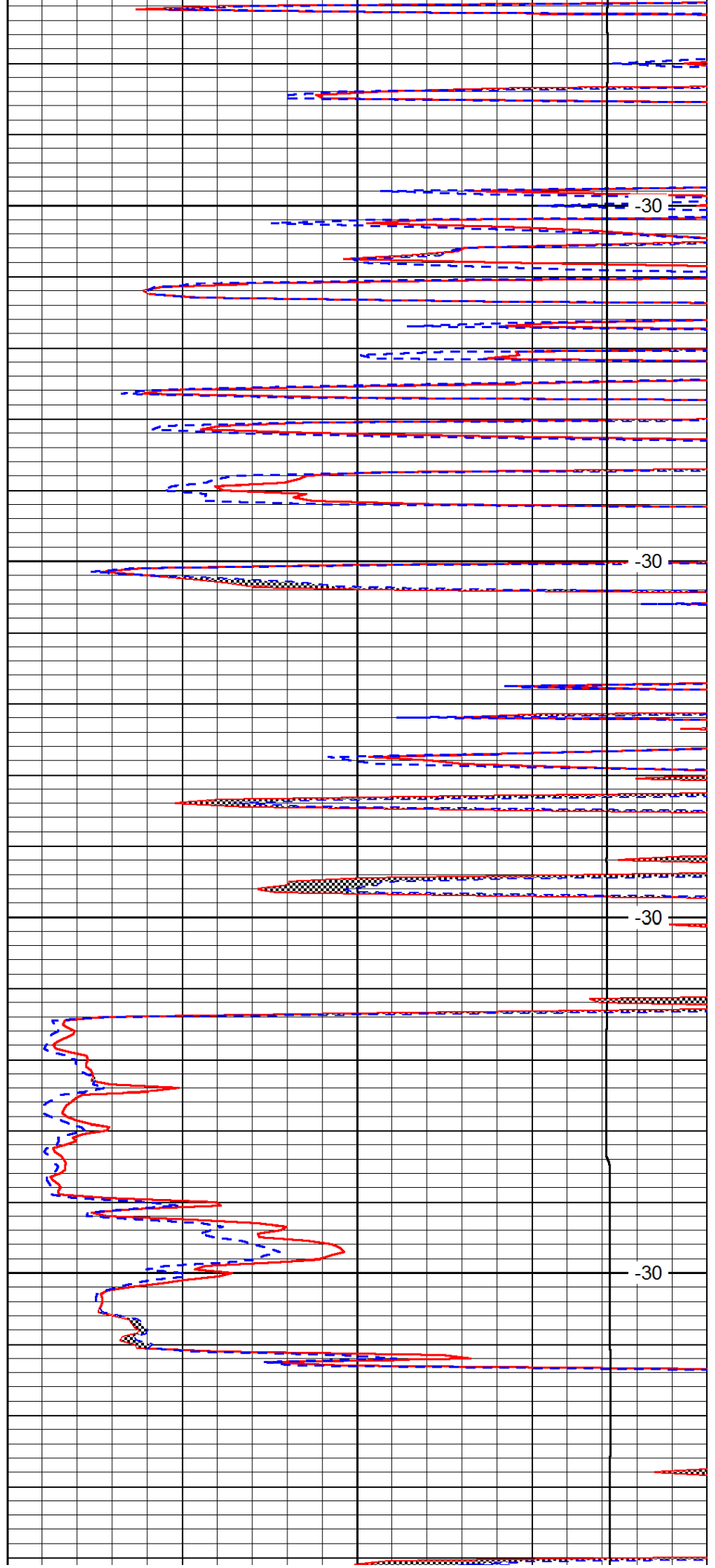


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4650

4700

4750

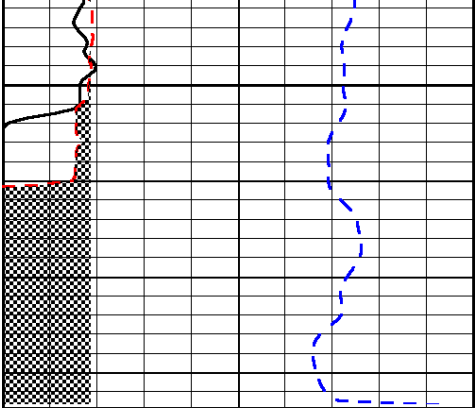


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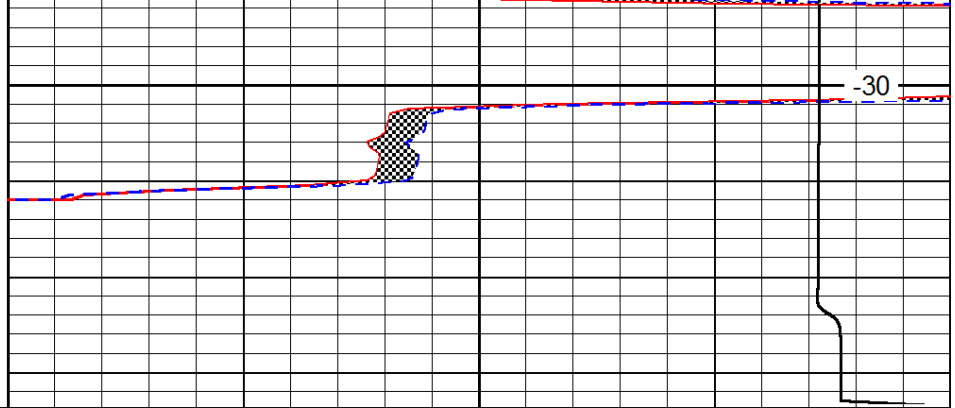
-30

-30



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