



Dual Induction Log

Pioneer Energy Services

API No.

15-203-20,211-00-00

Company Raymond Oil Company, Inc.

Well Keeton #1

Field Wildcat

County Wichita State

Kansas

Location

NE SW SE NE
2248' FNL & 769' FEL

Other Services
CNL/CDL
MEL

Sec: 13 Twp: 20 S Rge: 36 W

Permanent Datum Ground Level Elevation 3162
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation

K.B. 3173
D.F.
G.L. 3162

Date

3/22/2013

Run Number

One

Depth Driller

5088

Depth Logger

5092

Bottom Logged Interval

5091

Top Log Interval

250

Casing Driller

8.625 @ 267

Casing Logger

261

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

6100

Density / Viscosity

9.3 55

pH / Fluid Loss

11.0 8.8

Source of Sample

Flowline

Rm @ Meas. Temp

.45 @ 65

Rmf @ Meas. Temp

.34 @ 65

Rmc @ Meas. Temp

.61 @ 65

Source of Rmf / Rmc

Charts

Rm @ BHT

.23 @ 127

Operating Rig Time

4 1/2 Hours

Max Rec. Temp. F

127

Equipment Number

15

Location

Hays

Recorded By

D. Kerr

Witnessed By

Ted Jochems

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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.

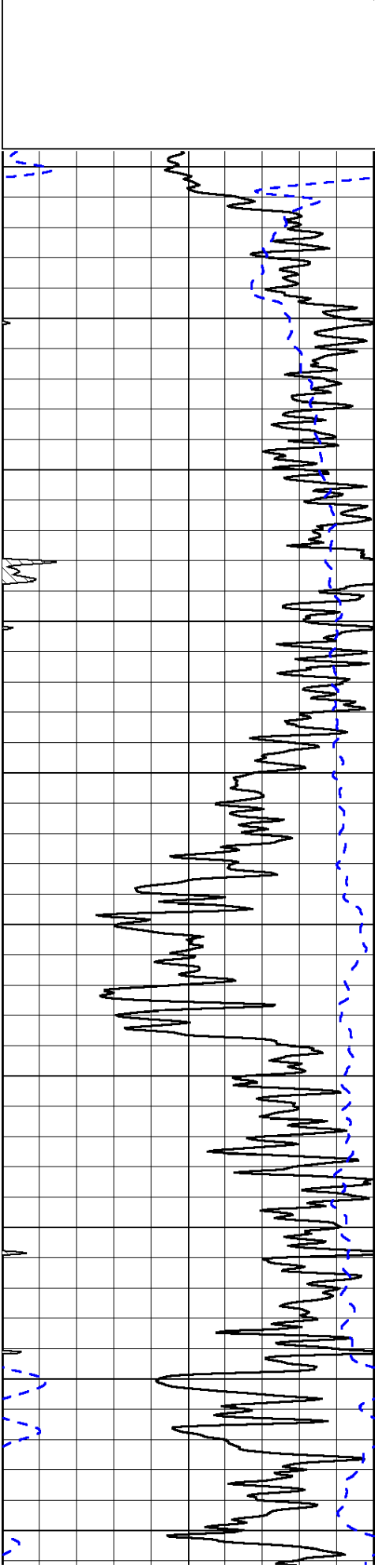
Comments

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

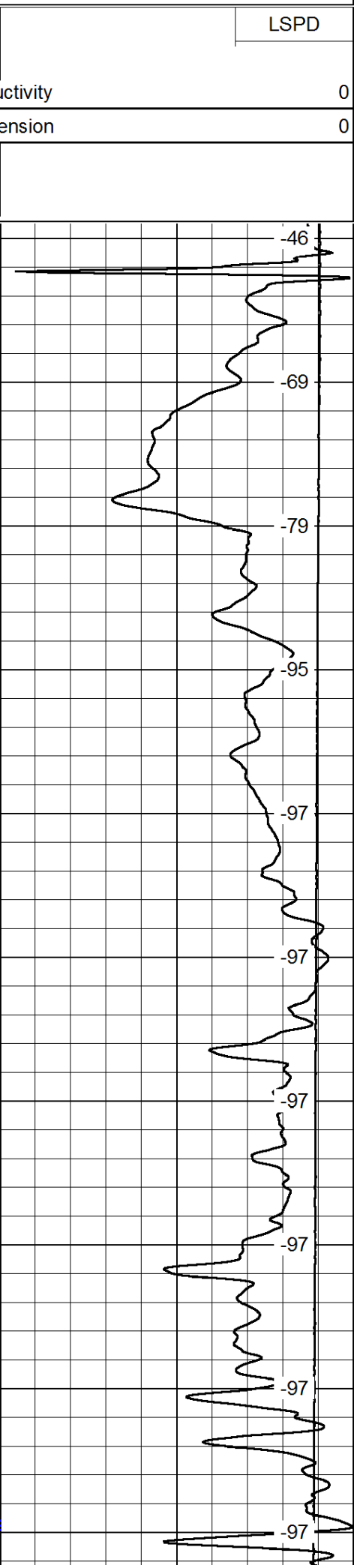
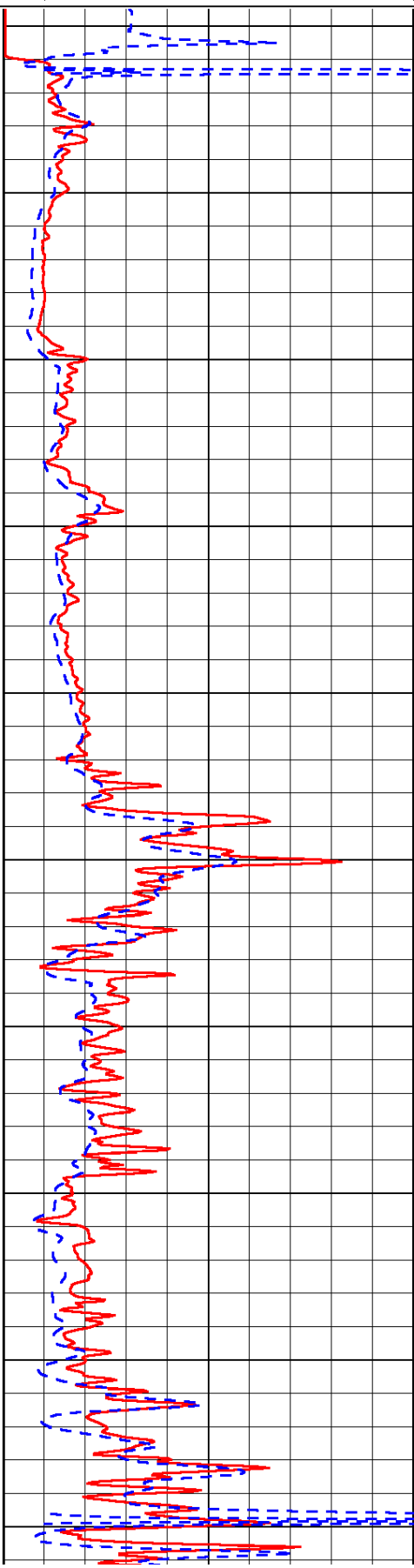
Marienthal KS, 11 South to AA RD,
1 West, 1/2 South, West Into

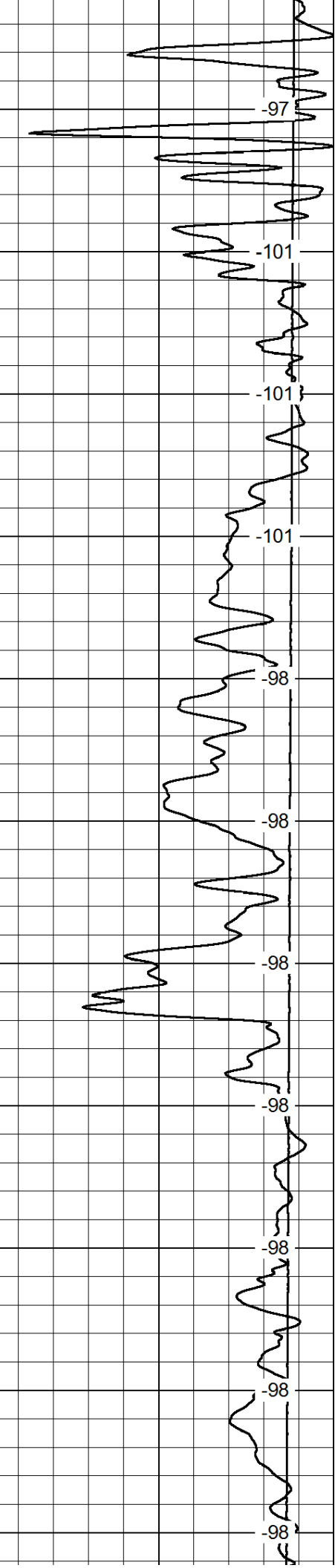
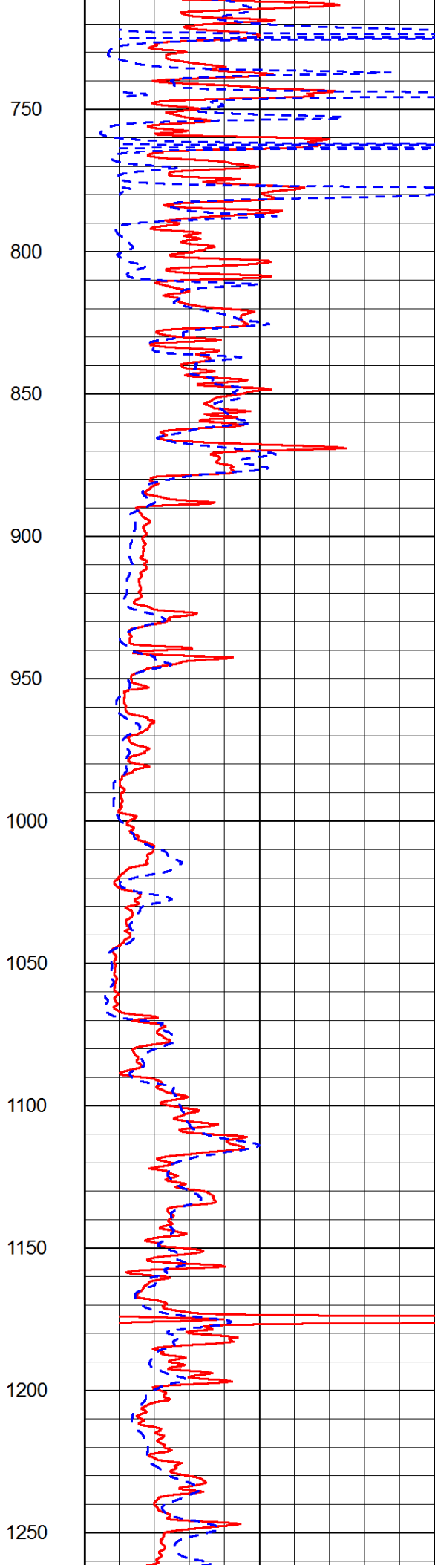
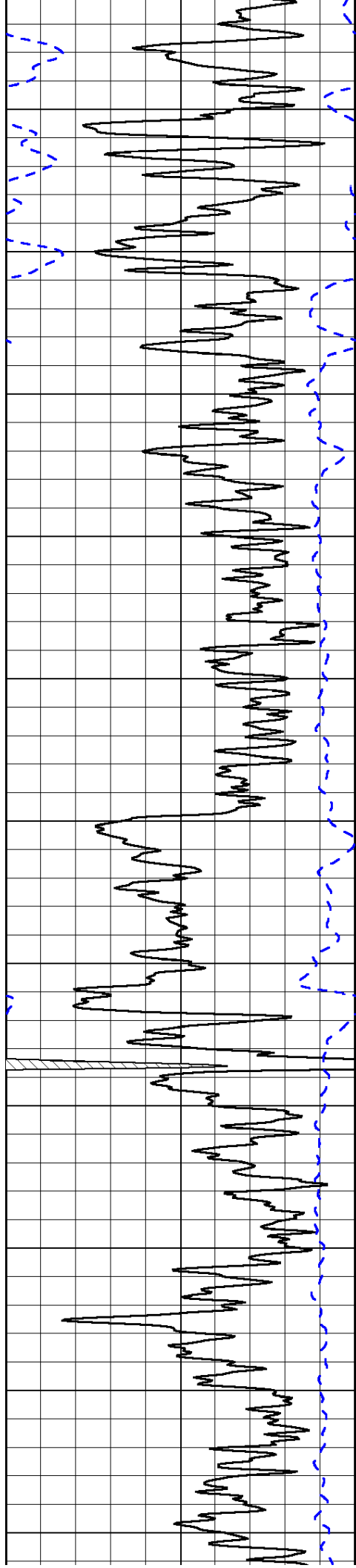
Database File: c:\warrior\data\raymond_keeton #1\raymond_keeton_1hd.db
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Presentation Format: dil2in
Dataset Creation: Fri Mar 22 04:23:49 2013
Charted by: Depth in Feet scaled 1:600

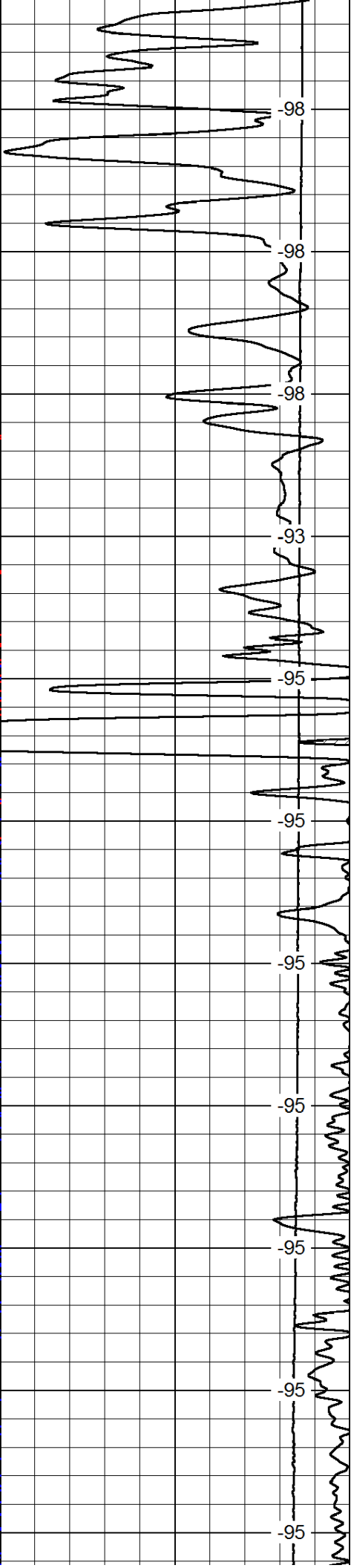
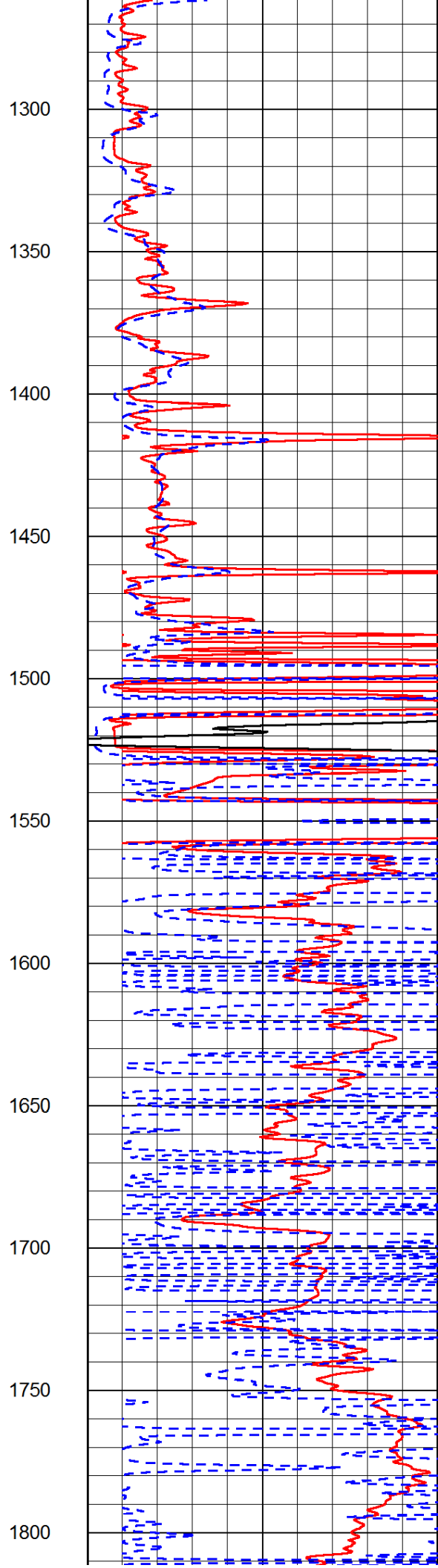
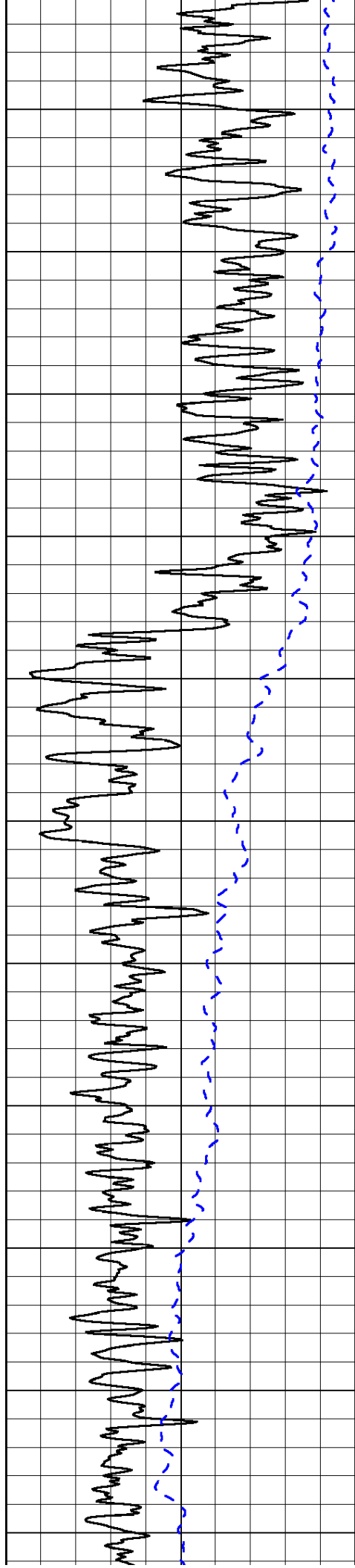
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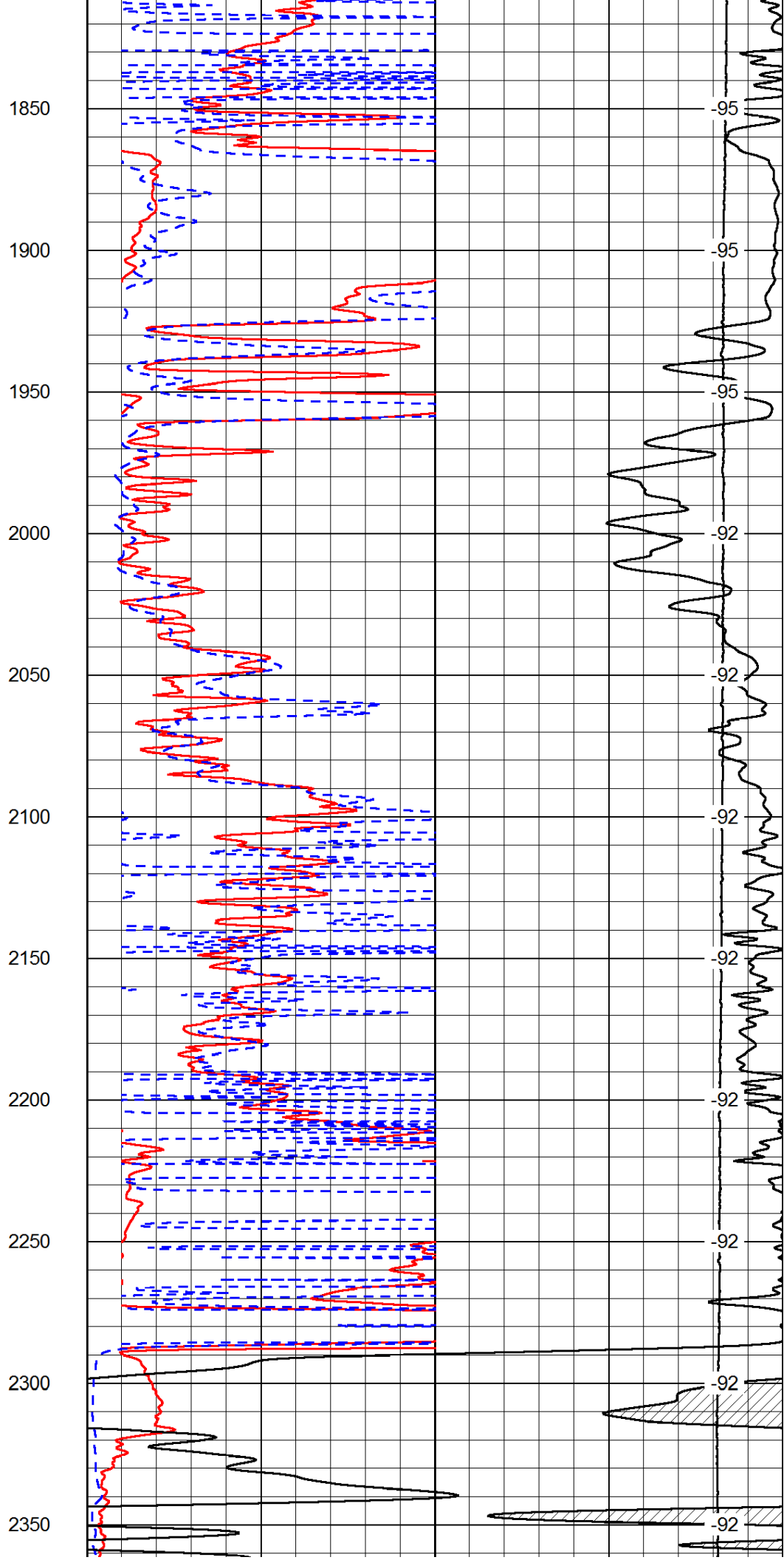
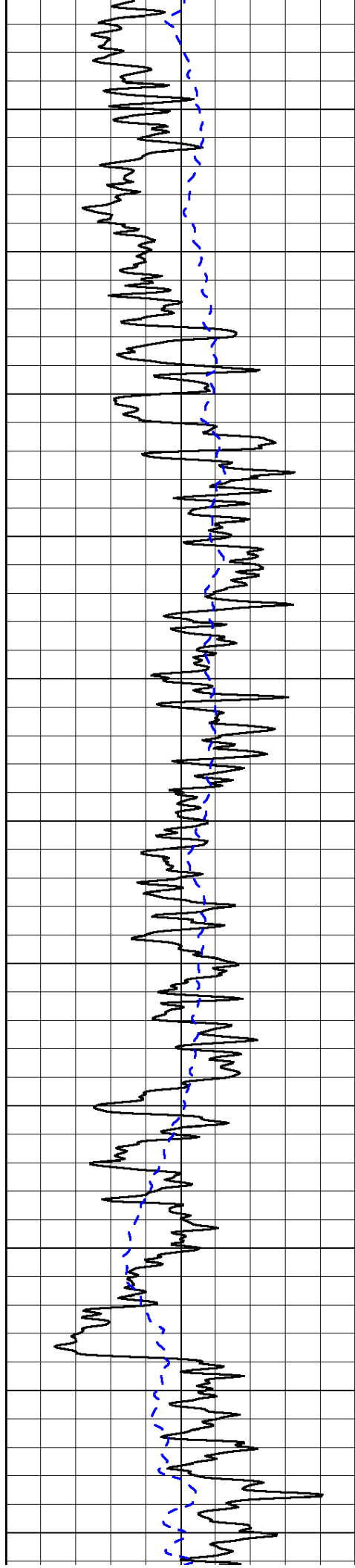


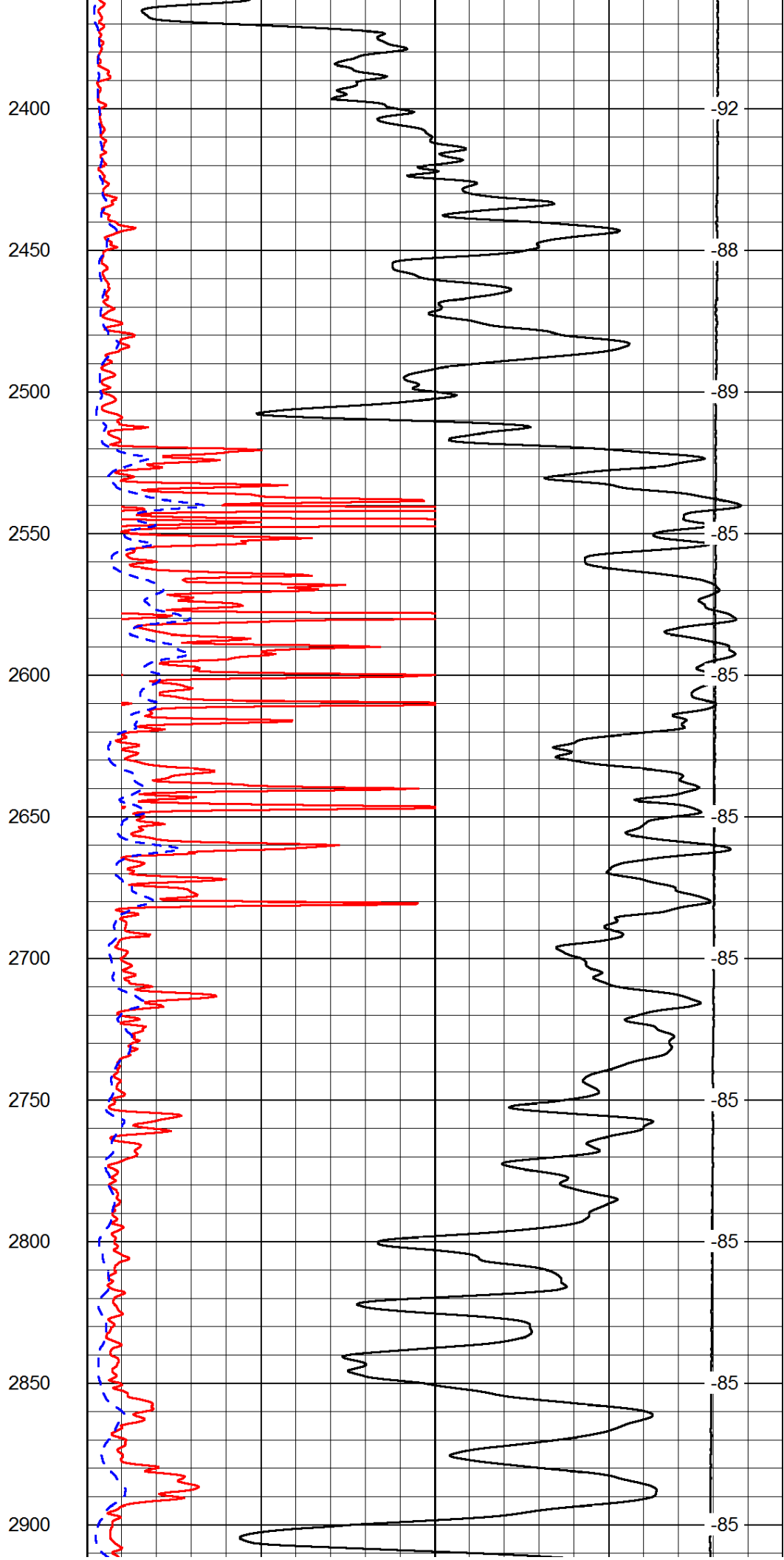
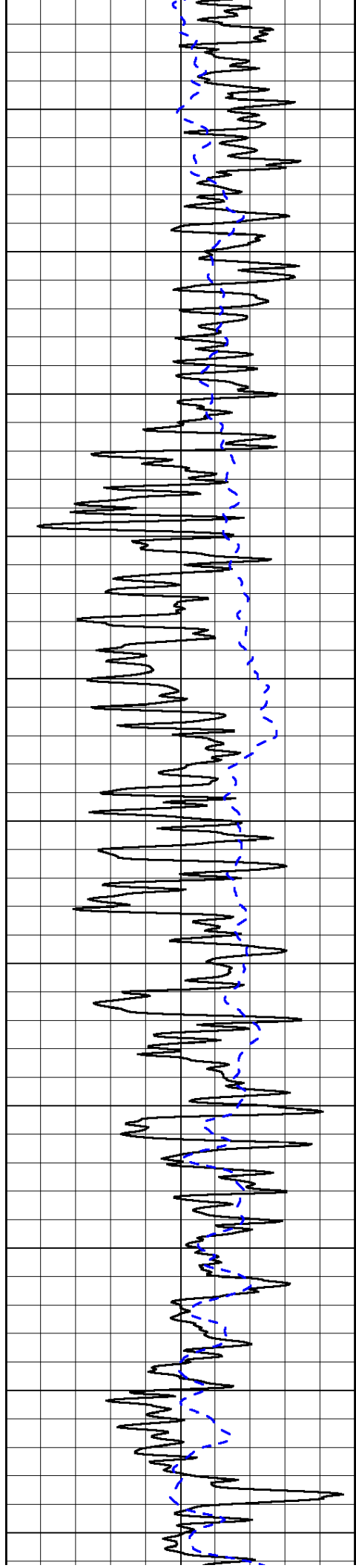
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

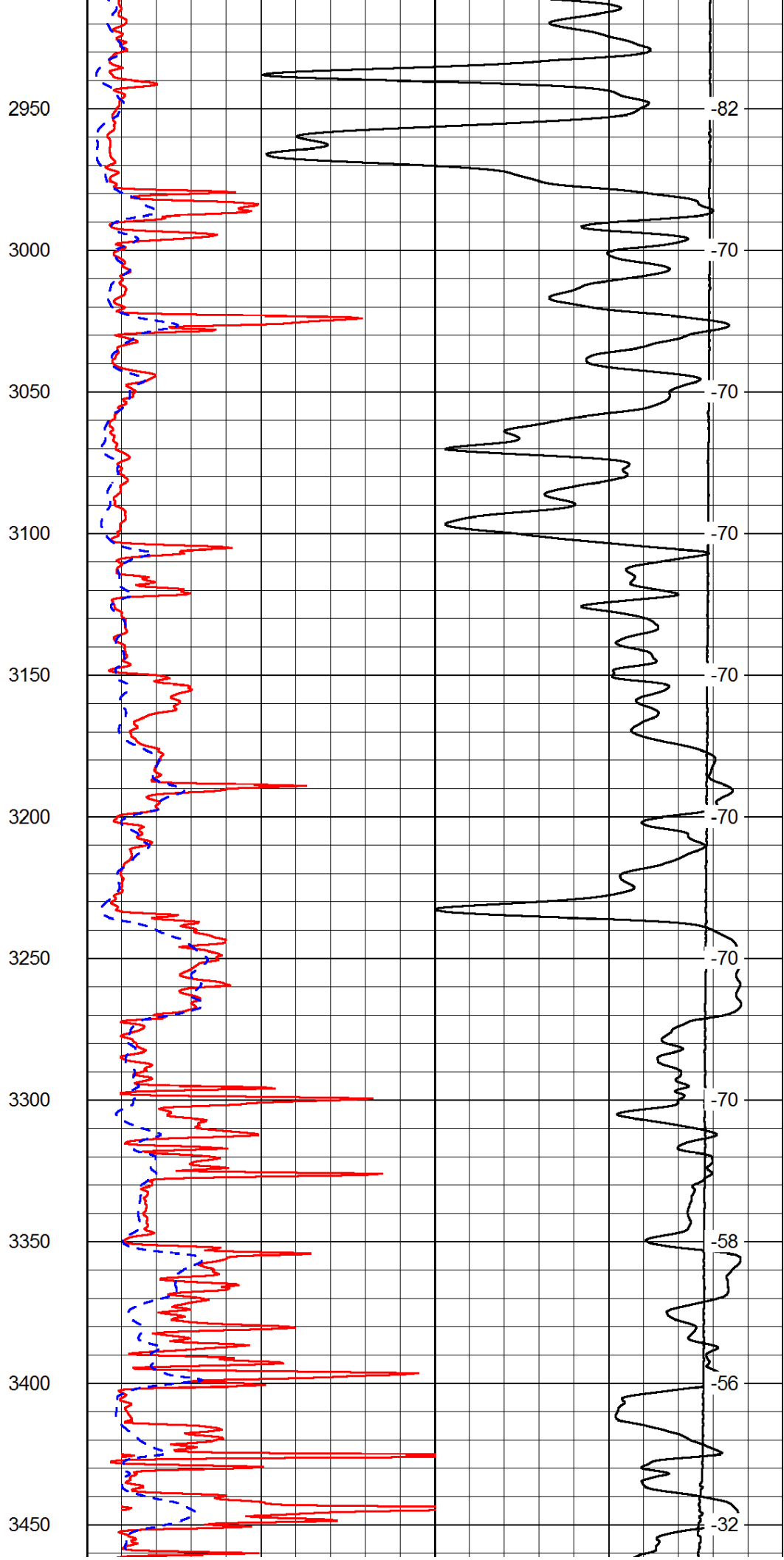
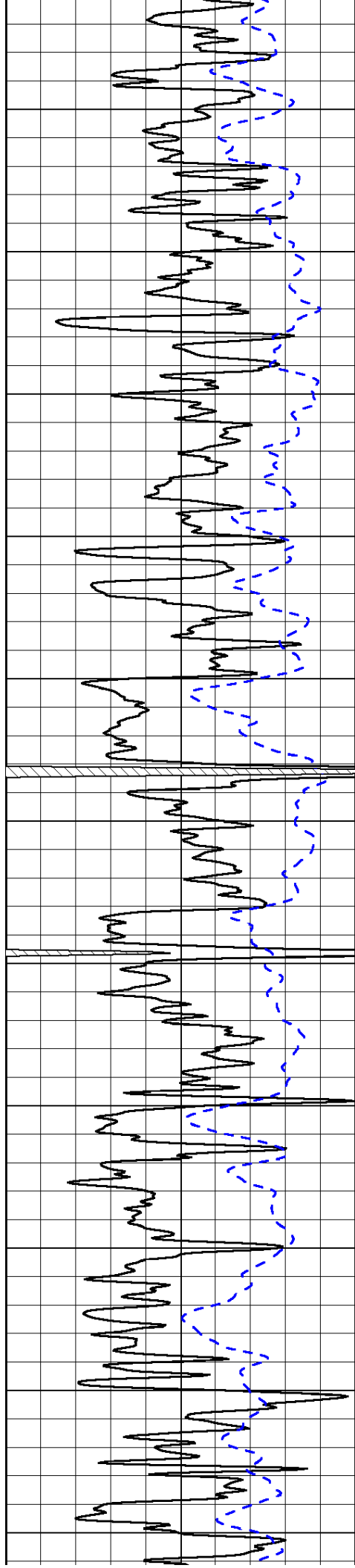


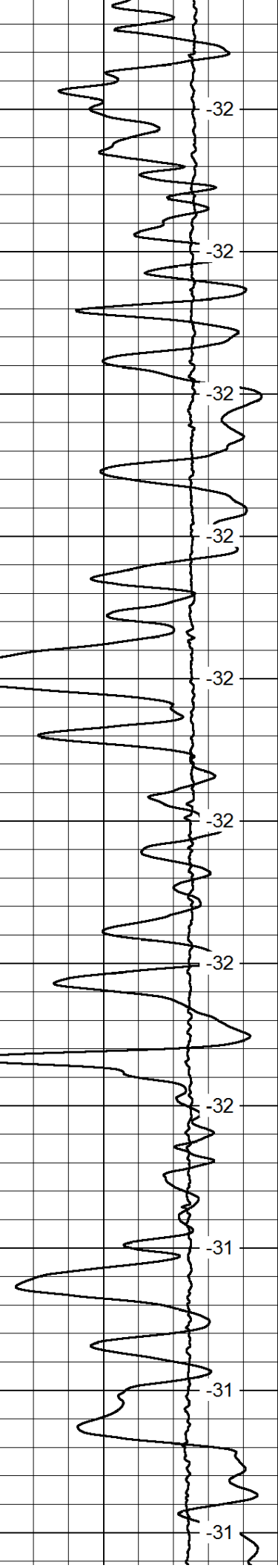
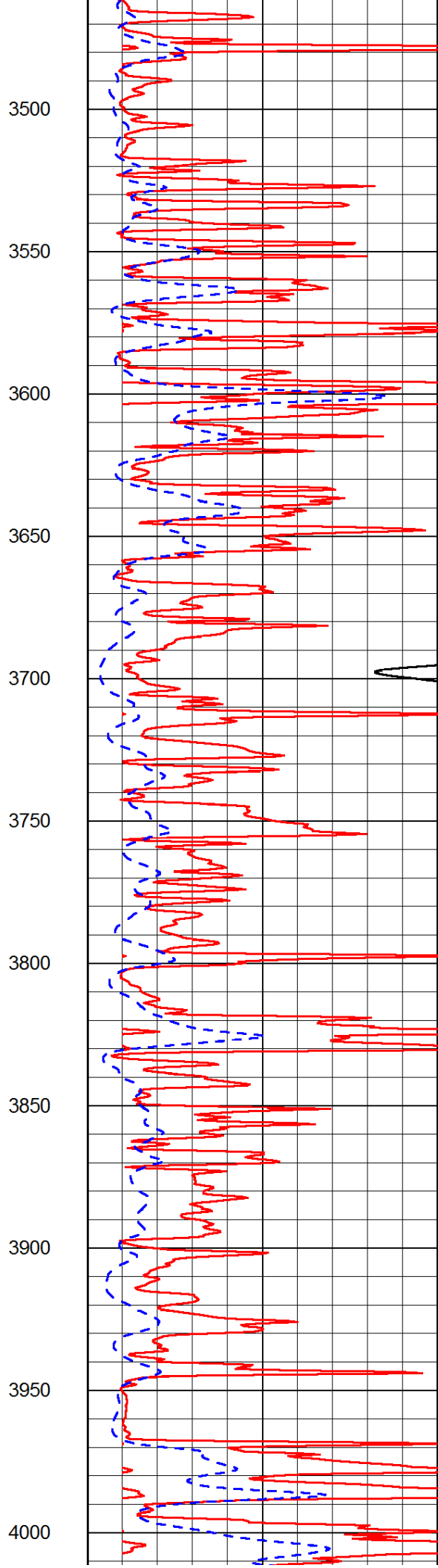
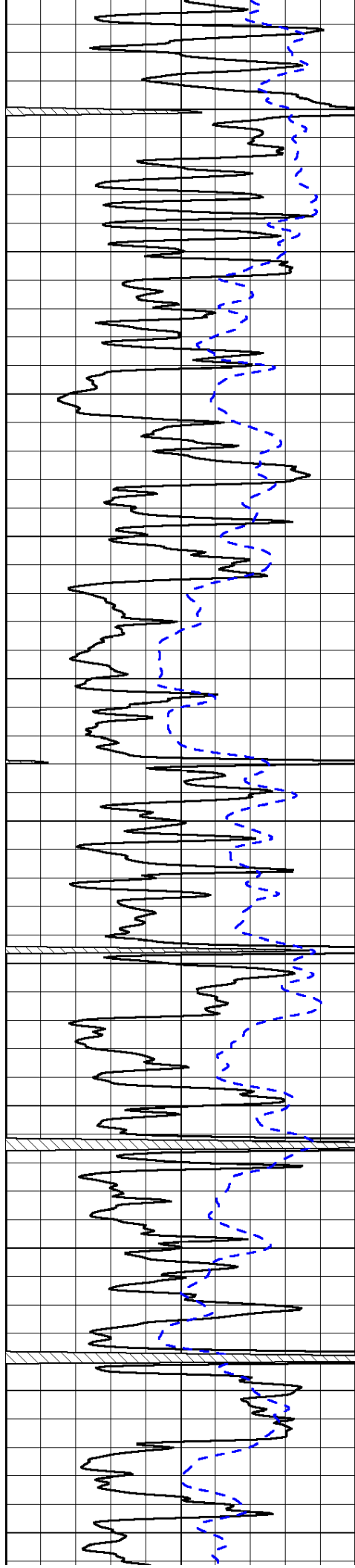


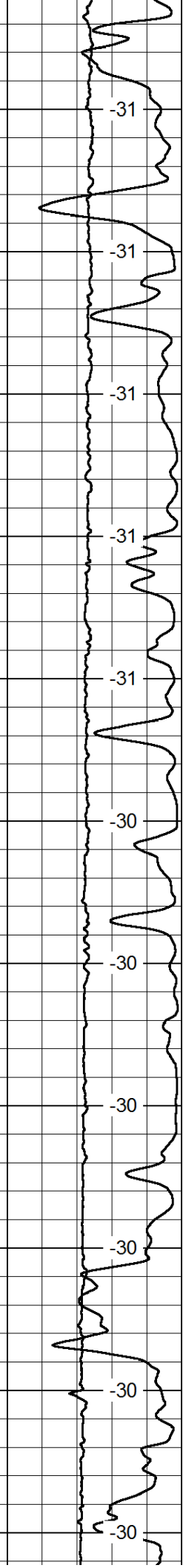
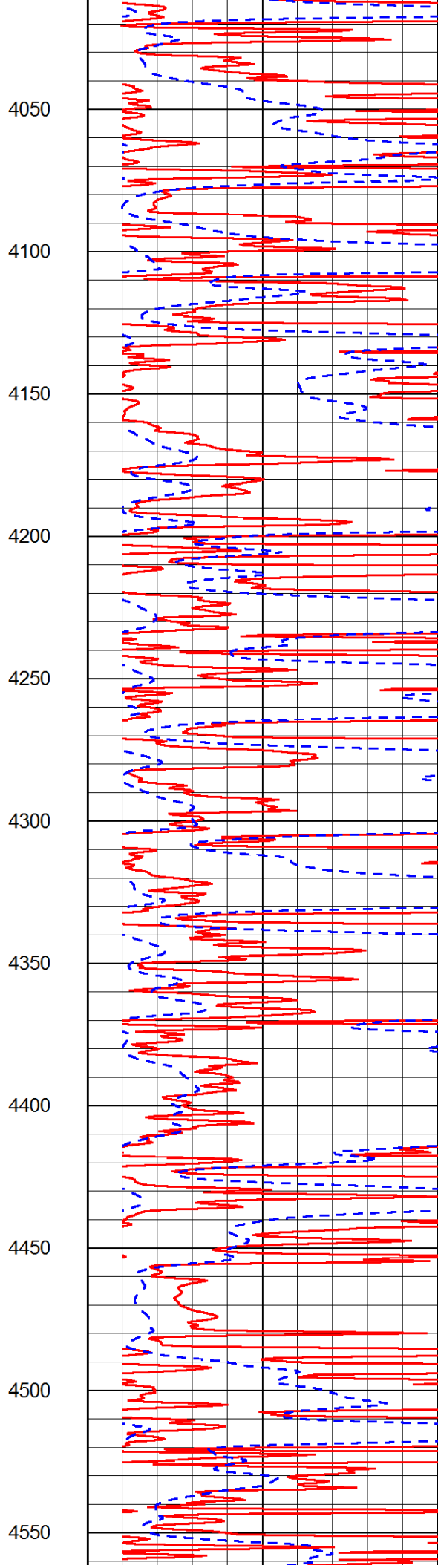
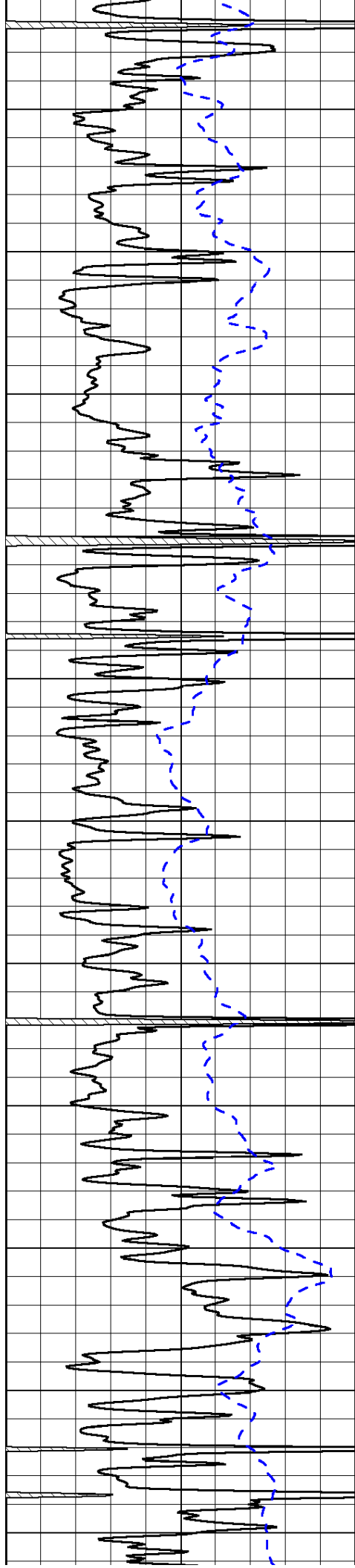


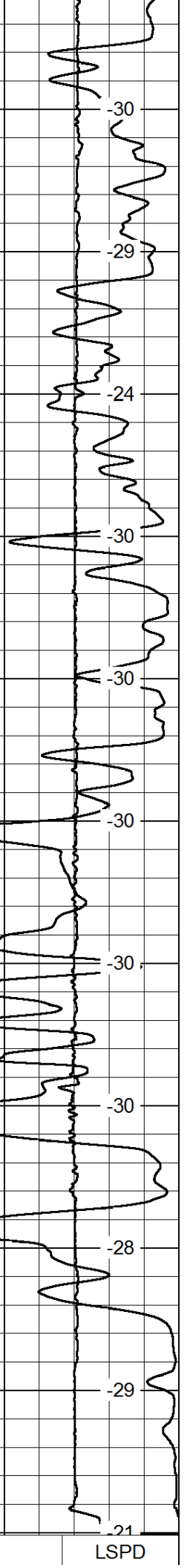
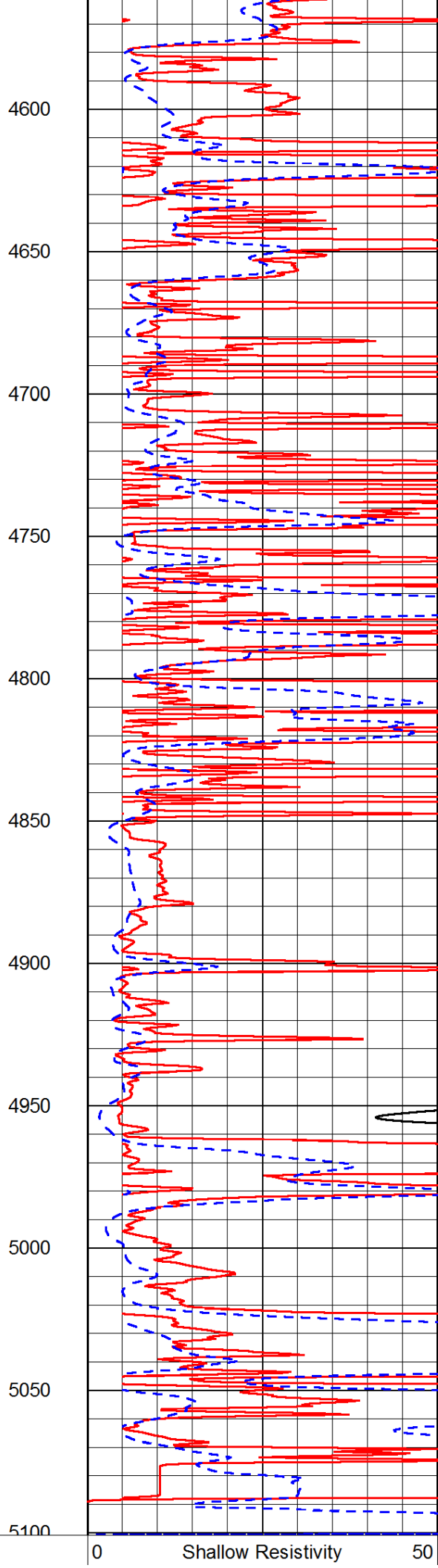
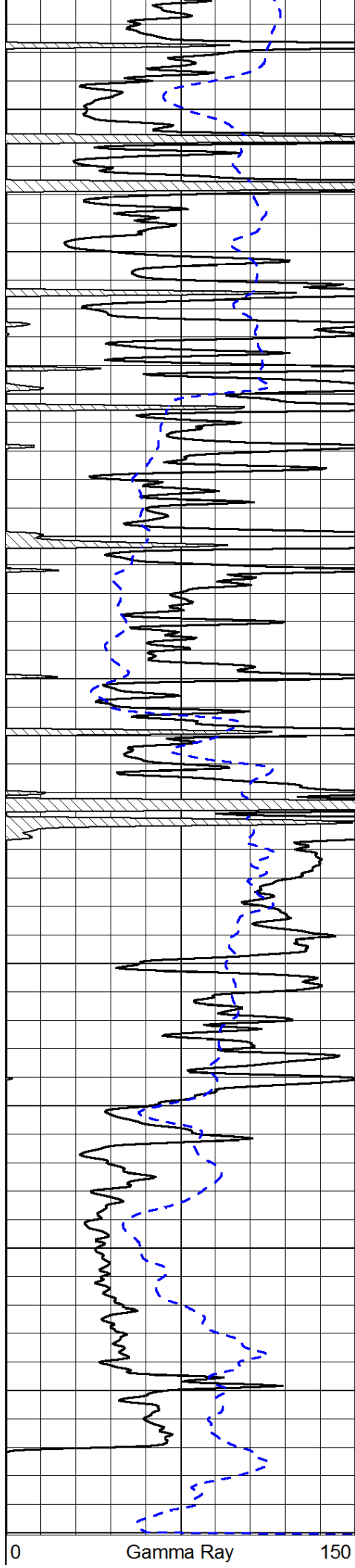












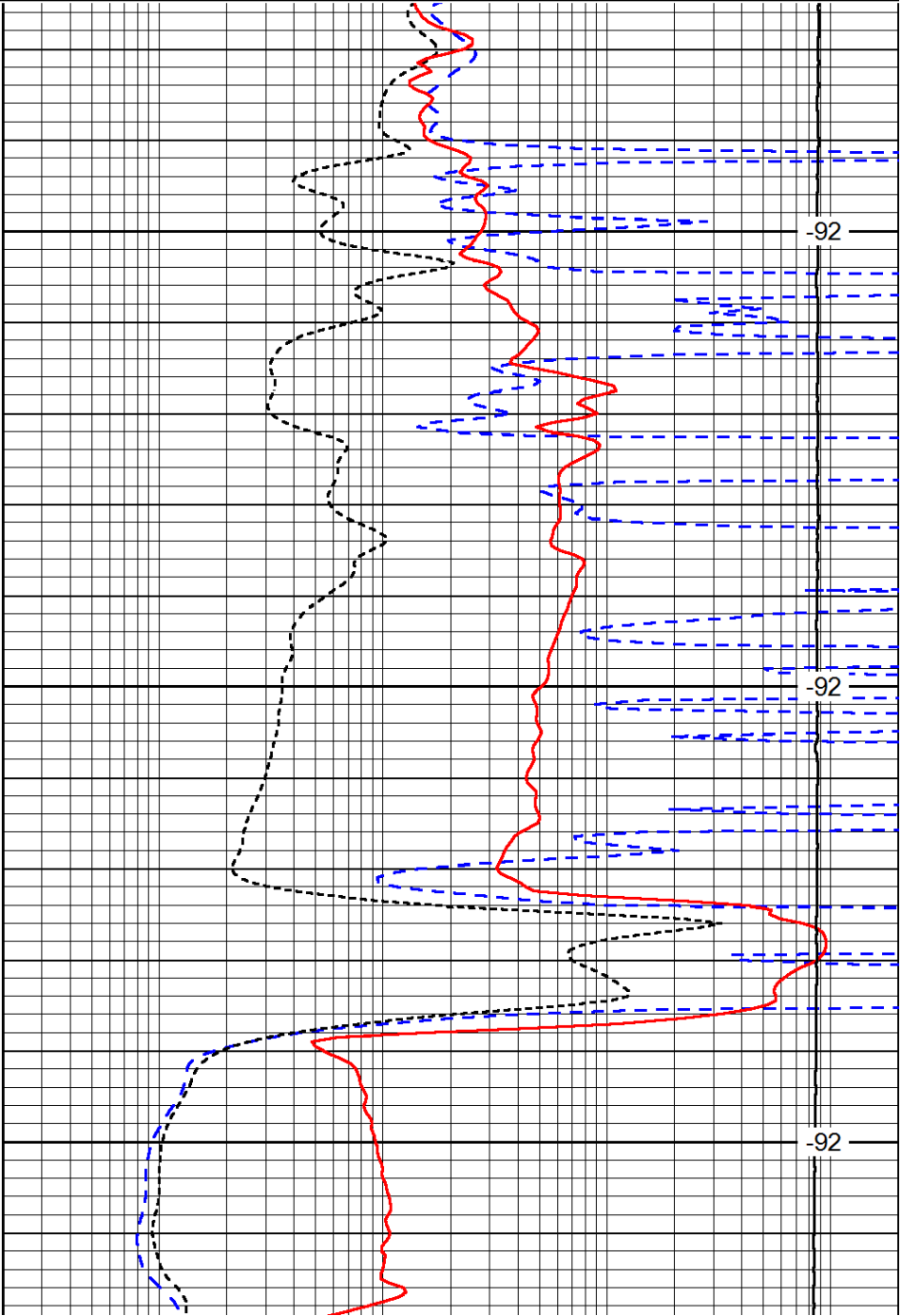
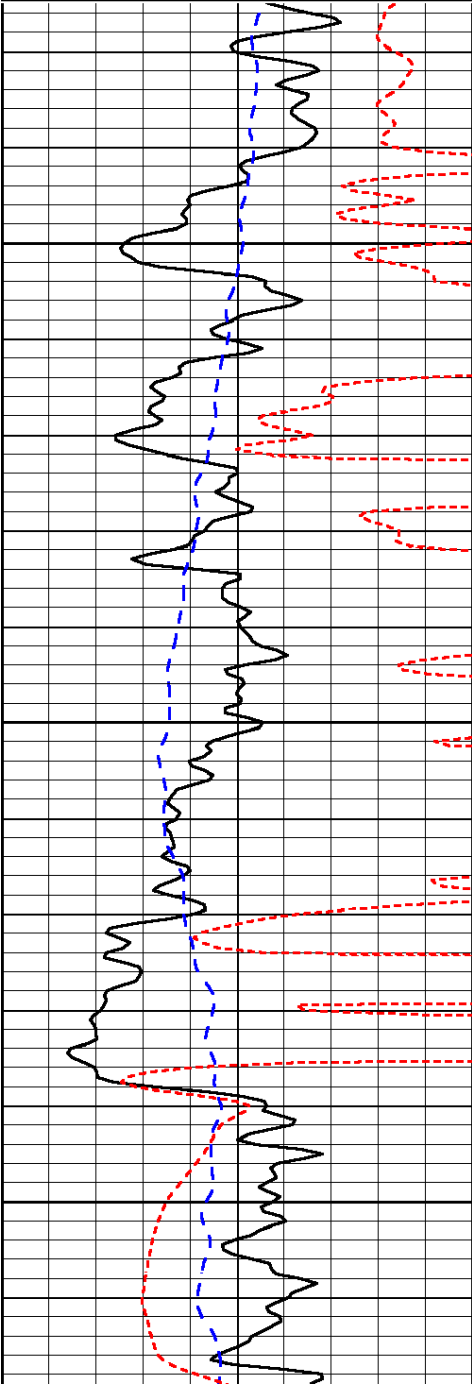
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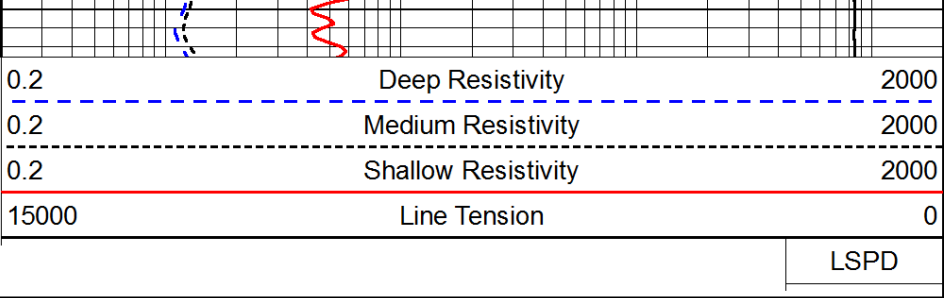
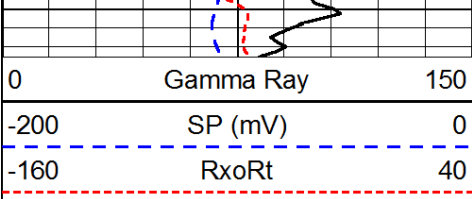
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

Database File:	c:\warrior\data\raymond_keeton #1\raymond_keeton_1hd.db
Dataset Pathname:	DIL/raystk
Presentation Format:	dil
Dataset Creation:	Fri Mar 22 04:23:49 2013
Charted by:	Depth in Feet scaled 1:240

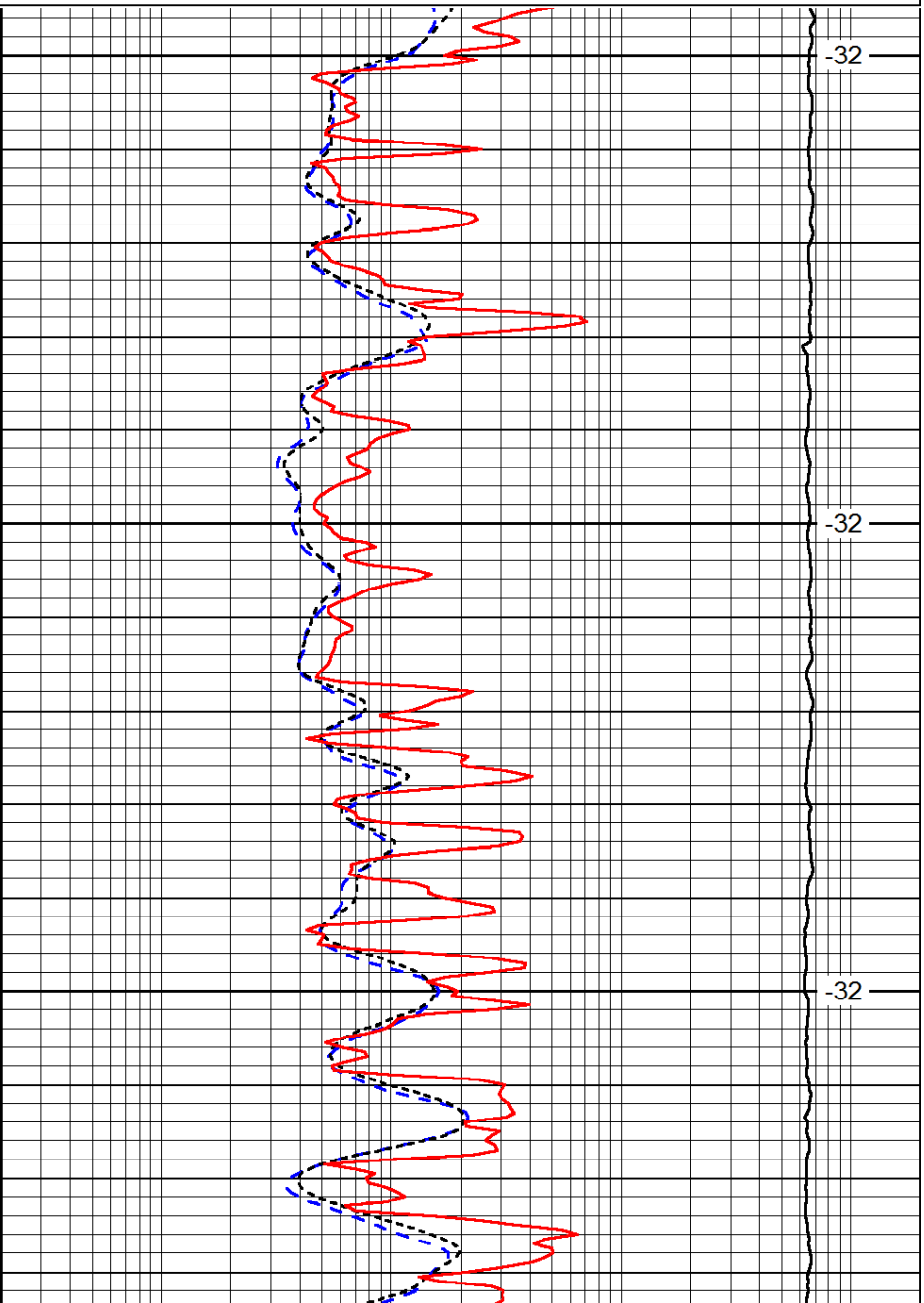
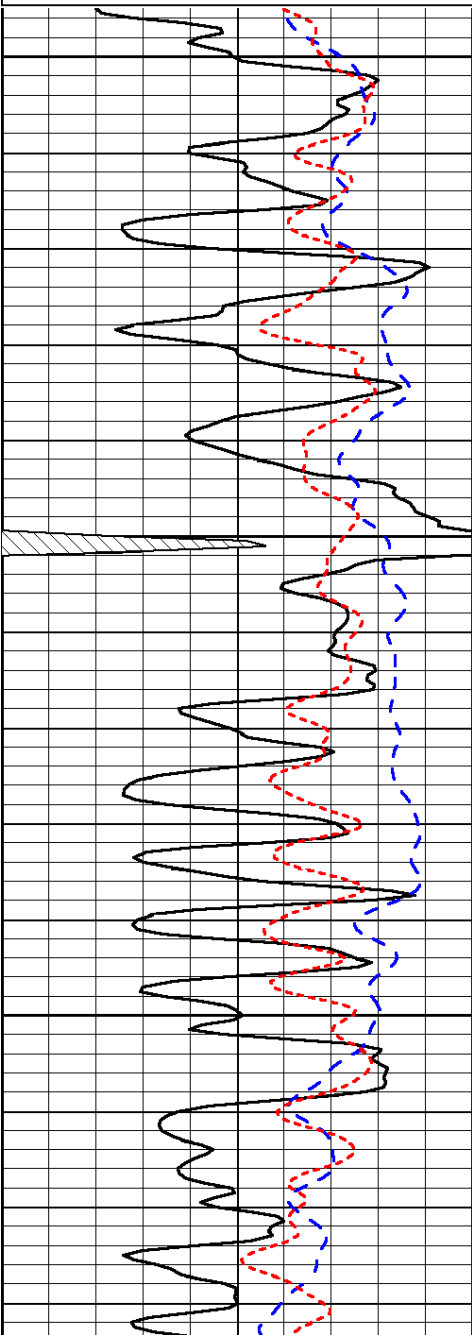
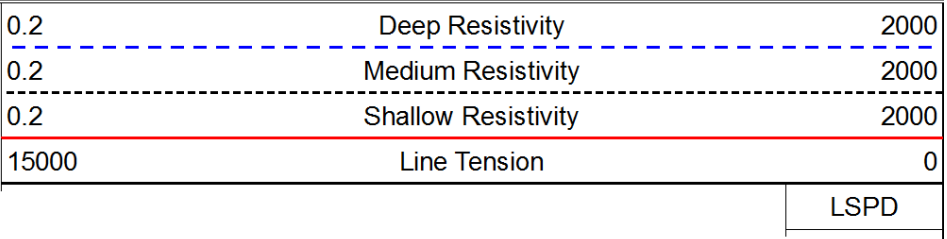
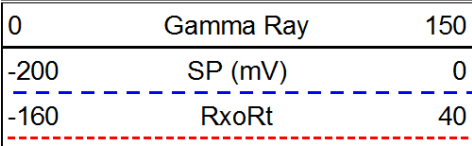
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-160	RxoRt	40

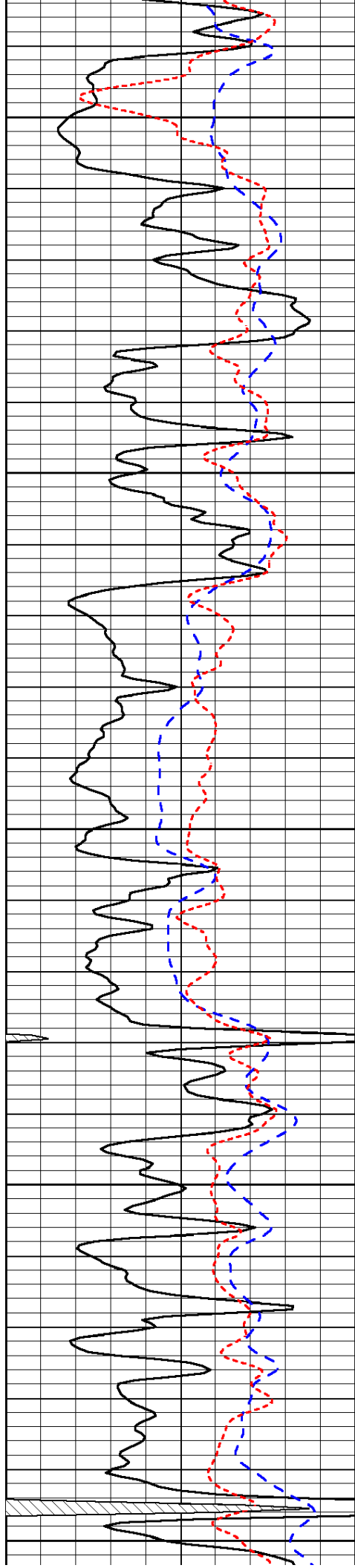
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0
LSPD		





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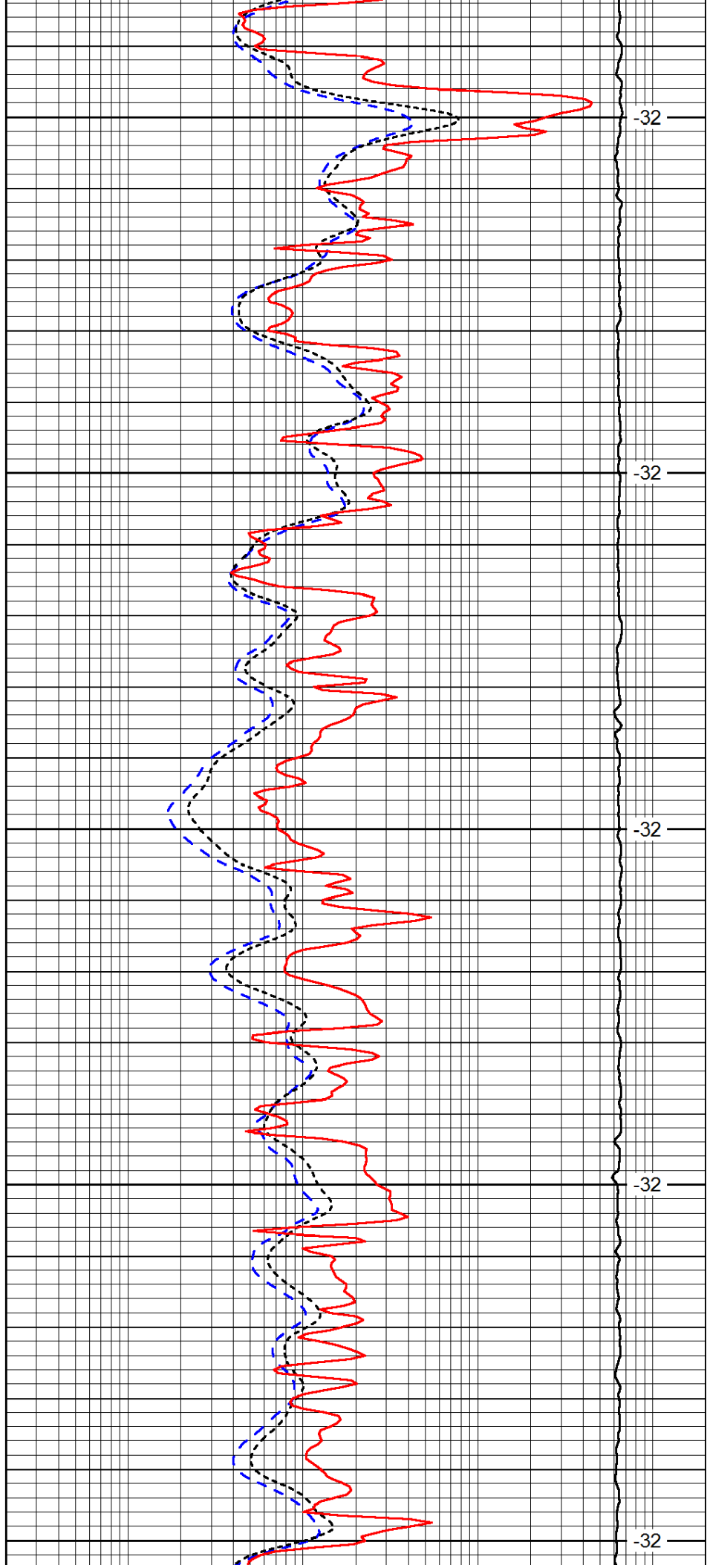
3600

3650

3700

3750

3800



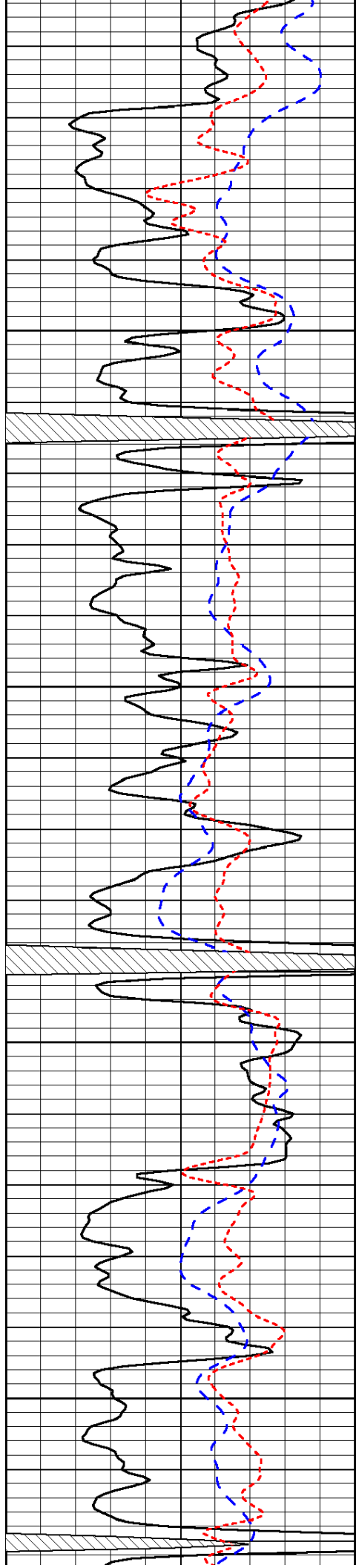
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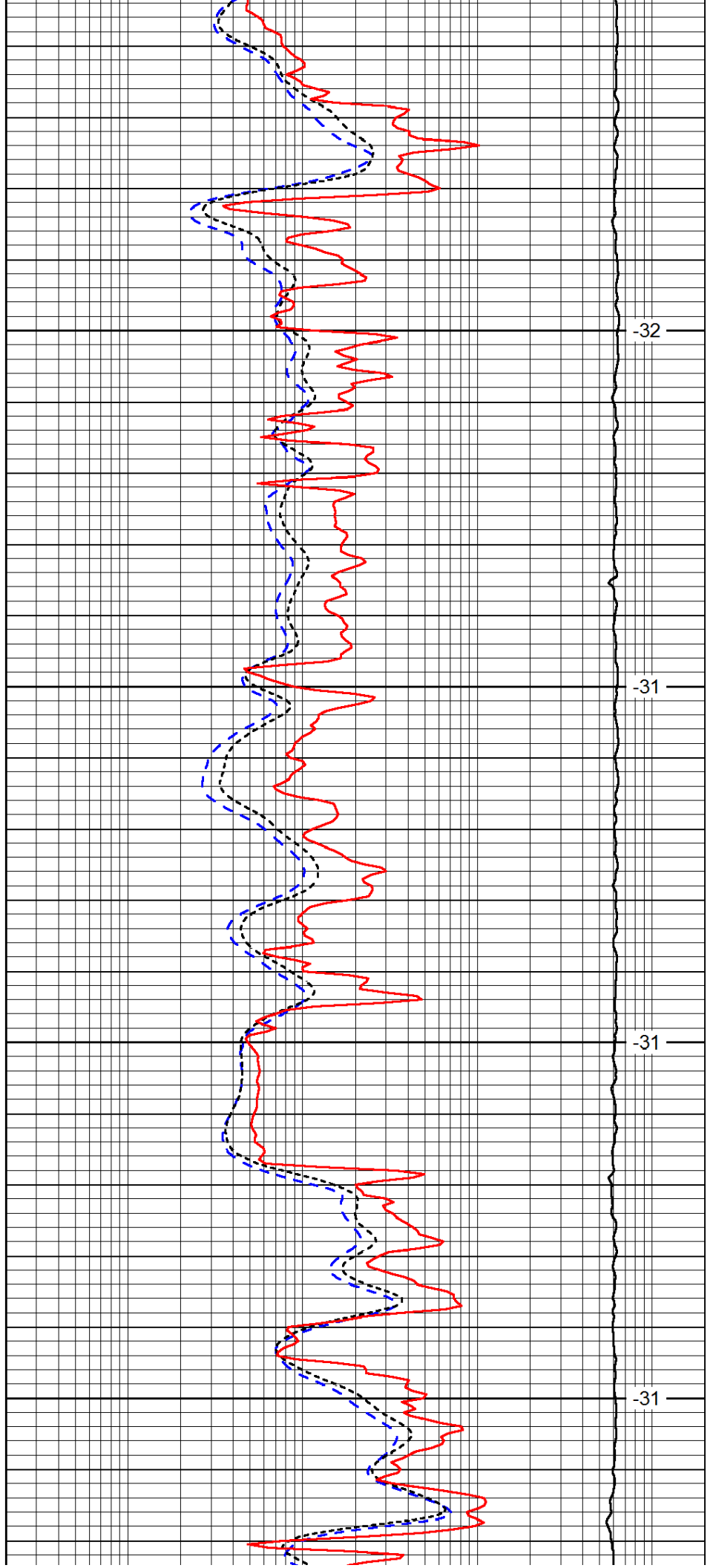


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3900

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4000

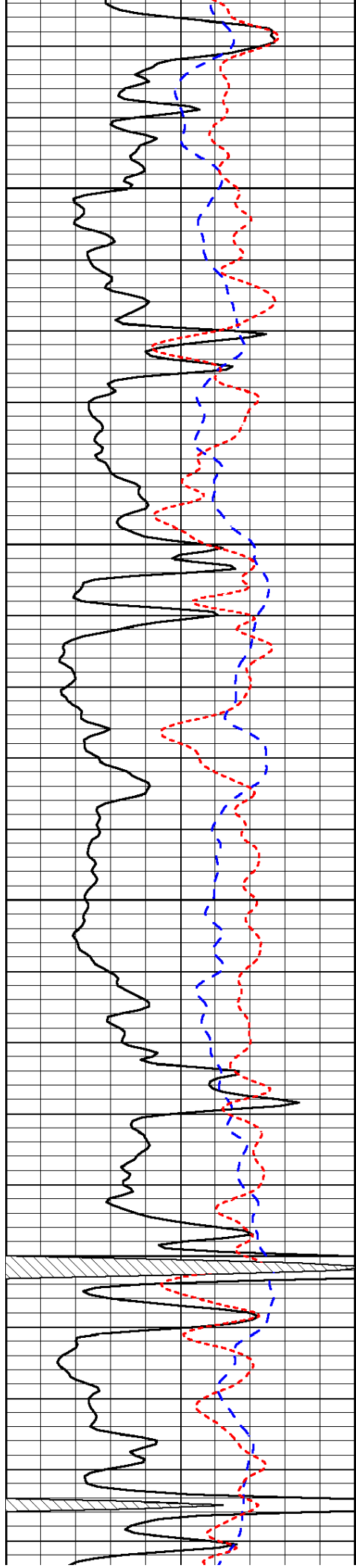


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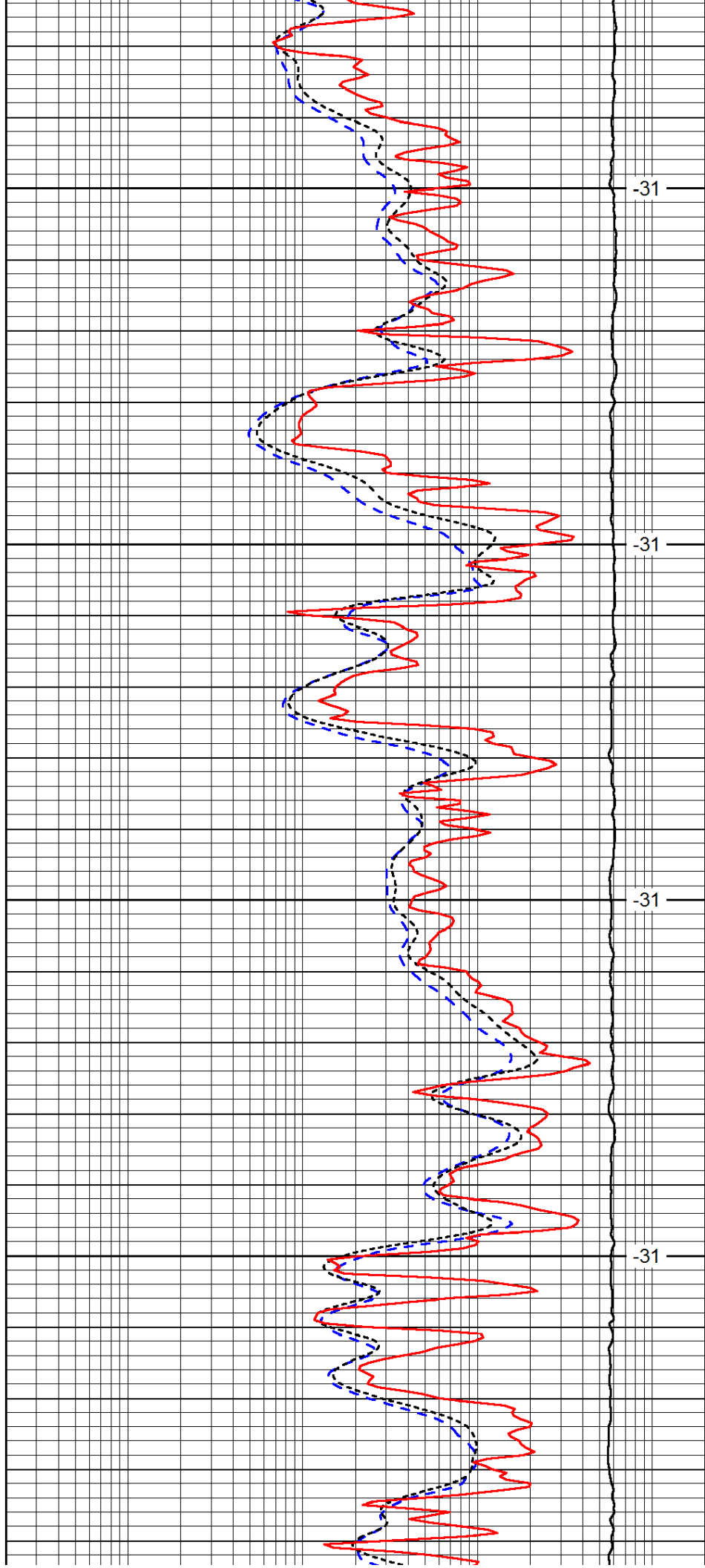


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4100

4150

4200

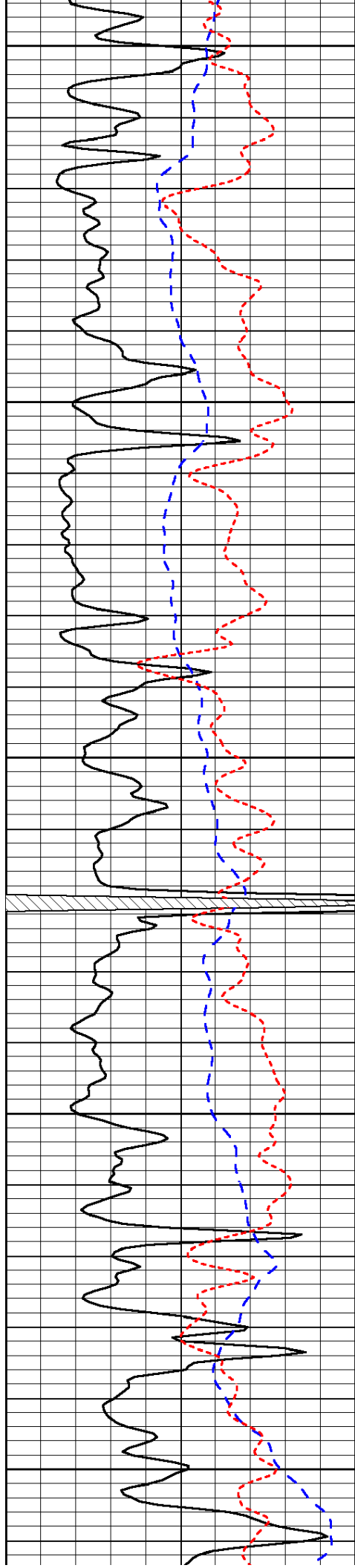


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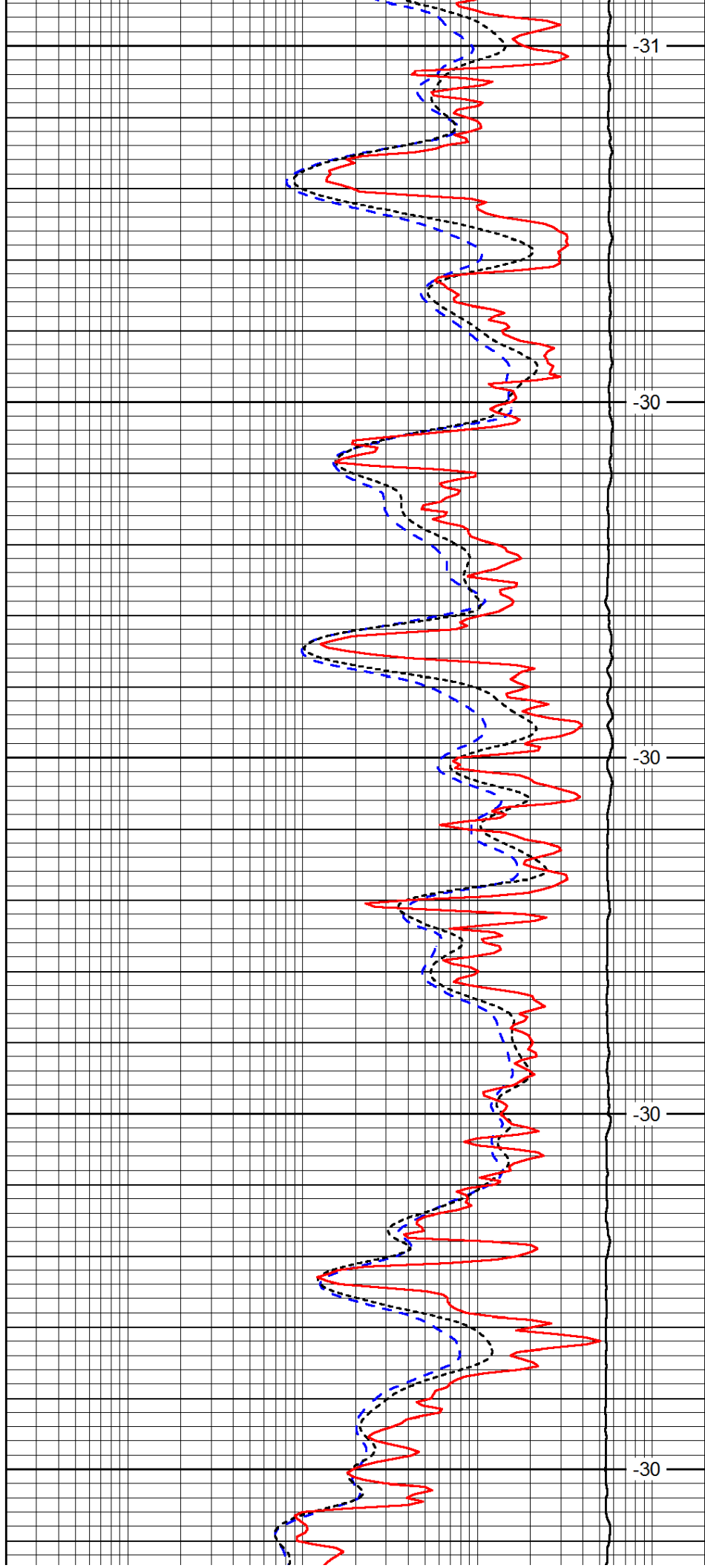
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4400

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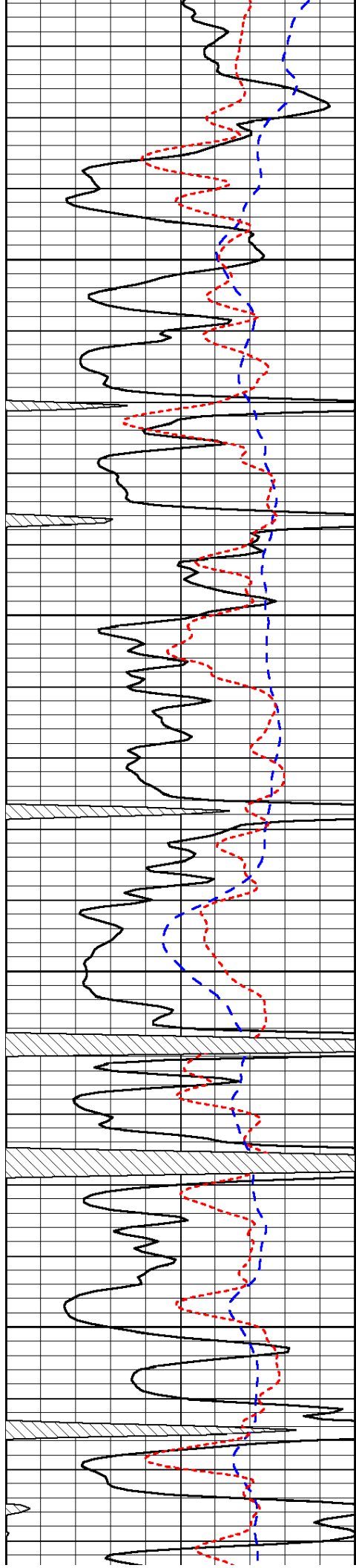
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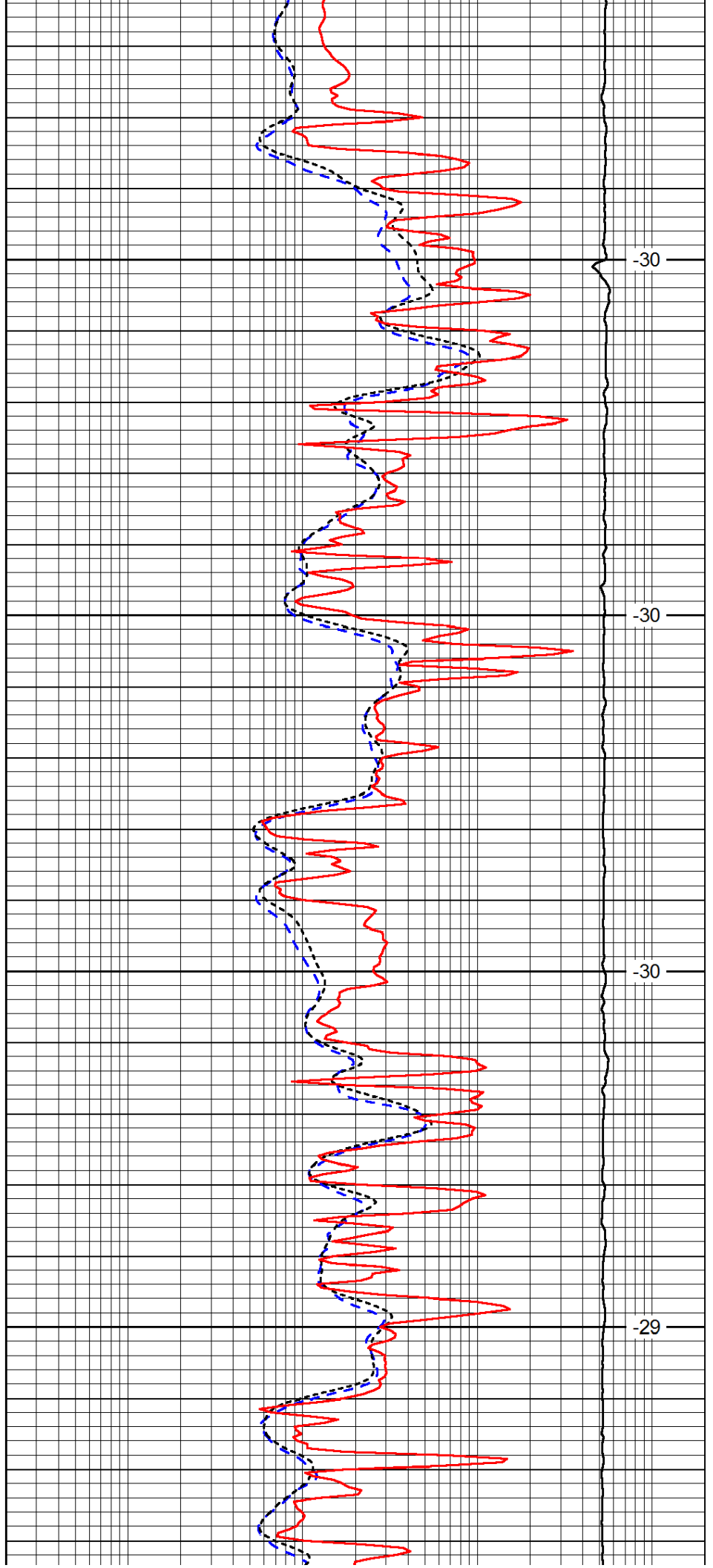


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4550

4600

4650

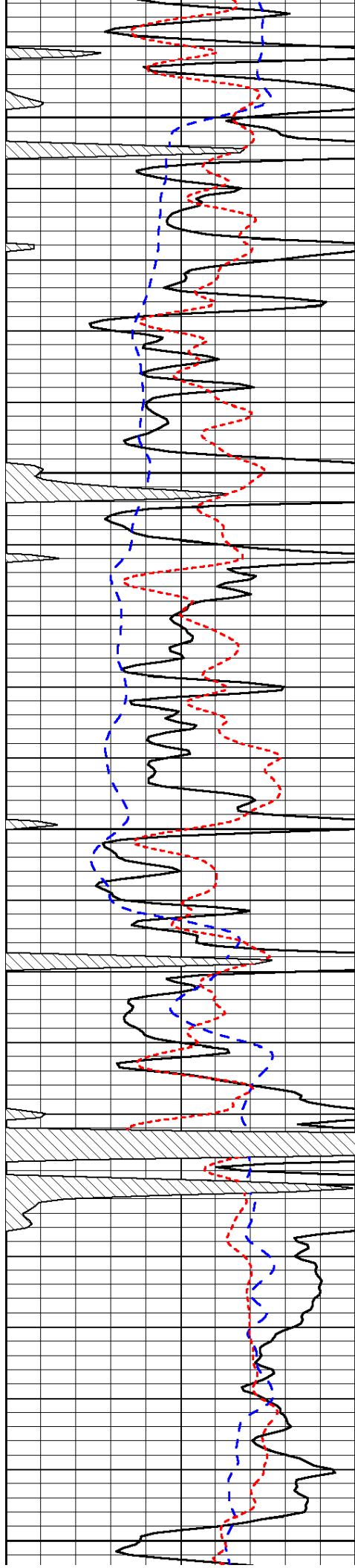


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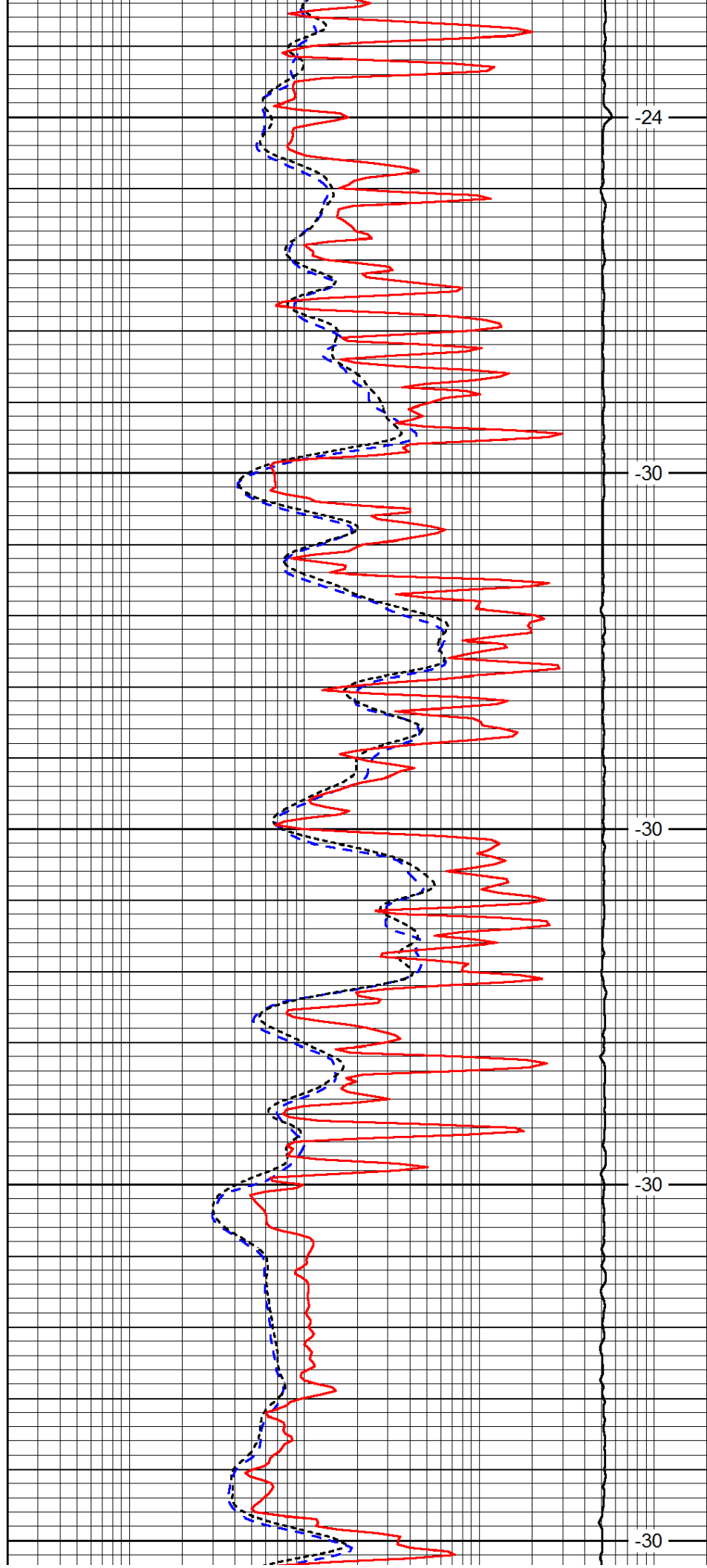
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4850

4900



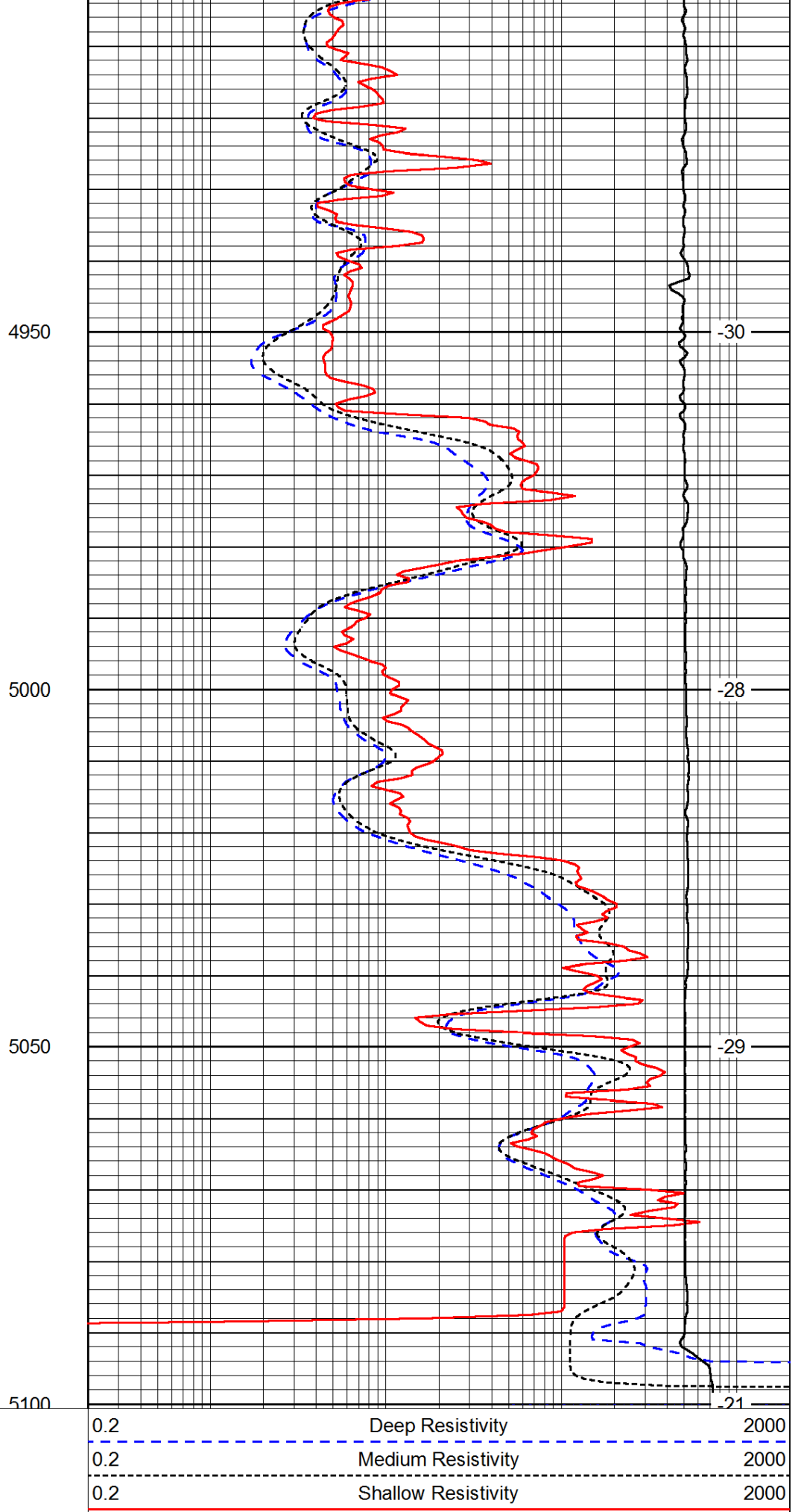
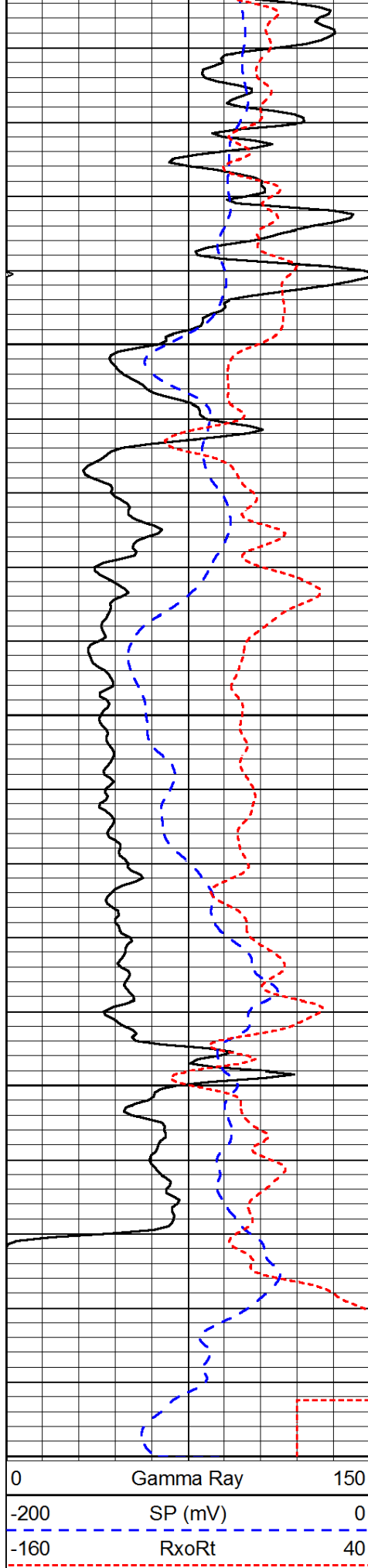
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-30



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