



Pioneer Energy Services

Dual Induction Log

API No.

15-007-24,052-00-00

Company Indian Oil Company, Inc.

Well Blackstock No.2

Field Stranathan

County Barber State

Kansas

Location

W/2 SE NE NW
990' FNL & 2210' FWL

Other Services
CNL/CDL

Sec: 12

Twp: 35S

Rge: 12W

Permanent Datum

Ground Level
Kelly Bushing

Elevation 1354

Log Measured From

Kelly Bushing

11 Ft. Above Perm. Datum

Drilling Measured From

Kelly Bushing

Elevation

K.B. 1365
D.F. 1365
G.L. 1354

Date

8/13/2013

Run Number

One

Depth Driller

5225

Depth Logger

5227

Bottom Logged Interval

5226

Top Log Interval

700

Casing Driller

8.625 @ 718

Casing Logger

714

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

3,500

Density / Viscosity

9.4 78

pH / Fluid Loss

9.5 9.6

Source of Sample

Flowline

Rm @ Meas. Temp

.65 @ 78

Rmf @ Meas. Temp

.49 @ 78

Rmc @ Meas. Temp

.88 @ 78

Source of Rmf / Rmc

Charts

Rm @ BHT

.4 @ 128

Operating Rig Time

3 Hours

Max Rec. Temp. F

128

Equipment Number

17

Location

Hays

Recorded By

C. Desaire

Witnessed By

Scott Alberg

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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

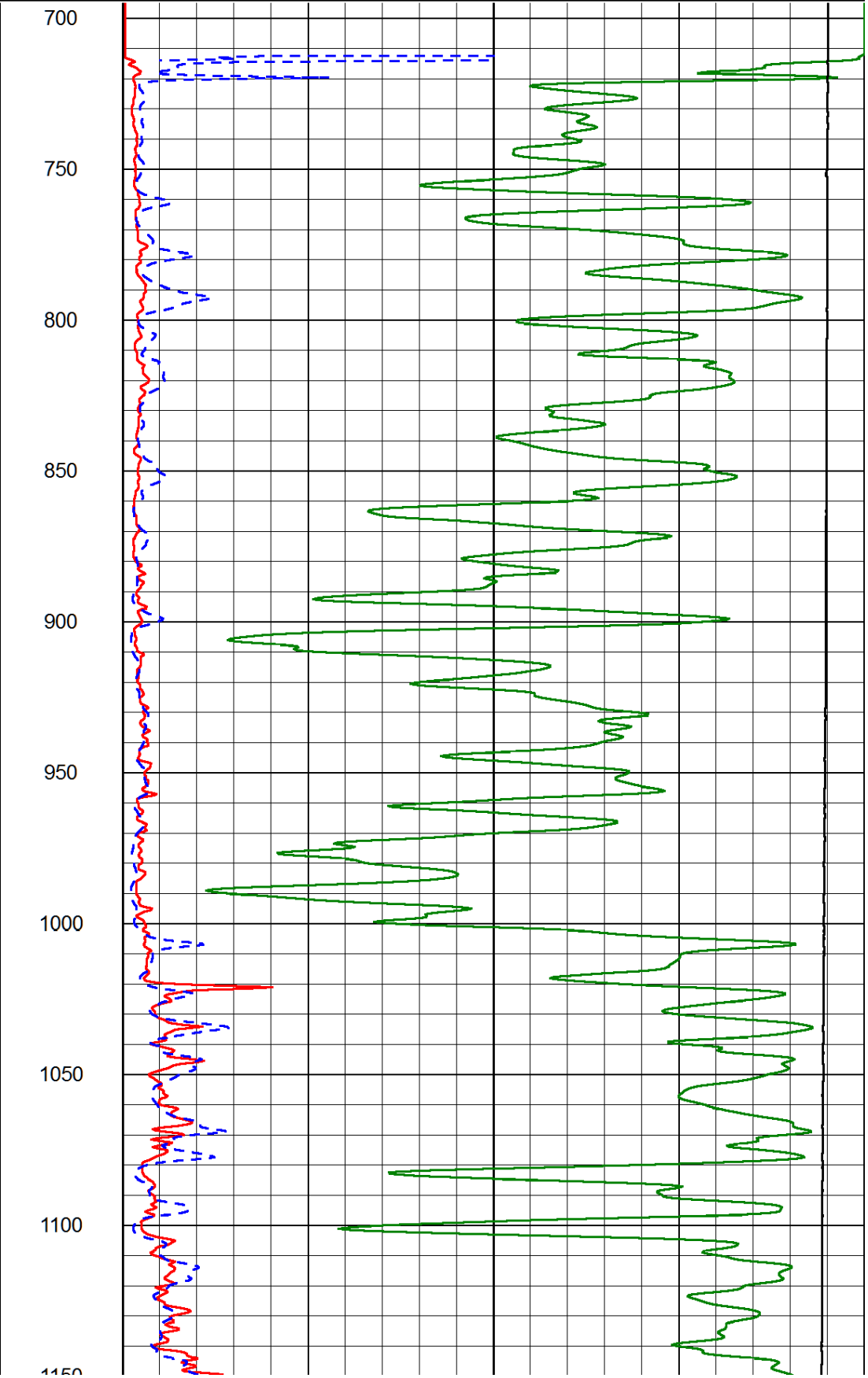
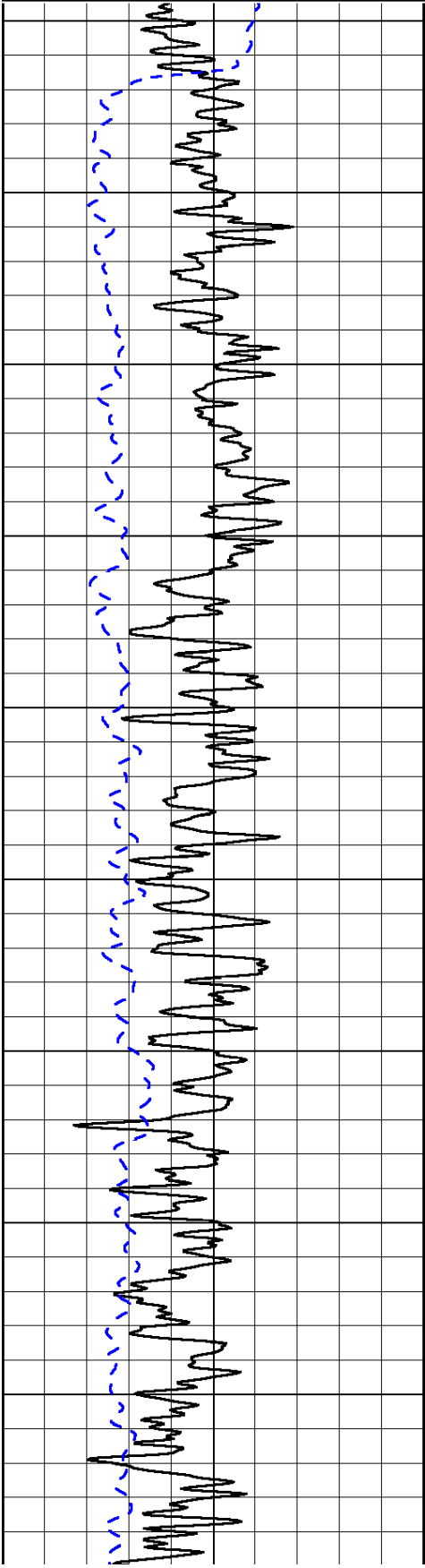
Thank you for using Log-Tech, Inc.
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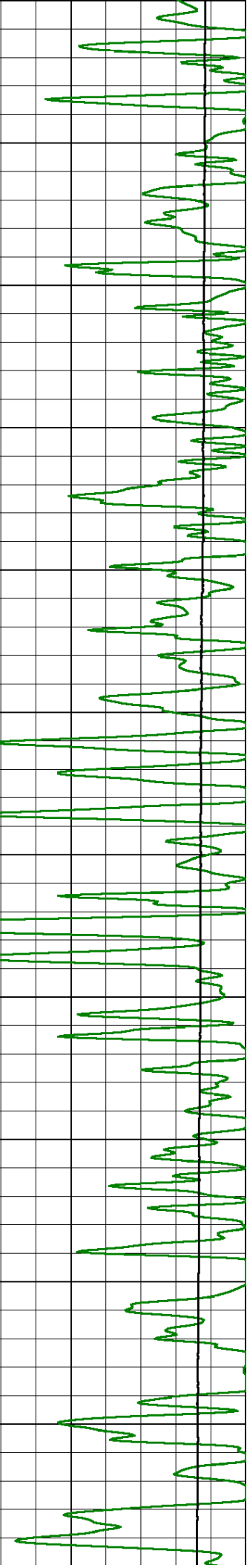
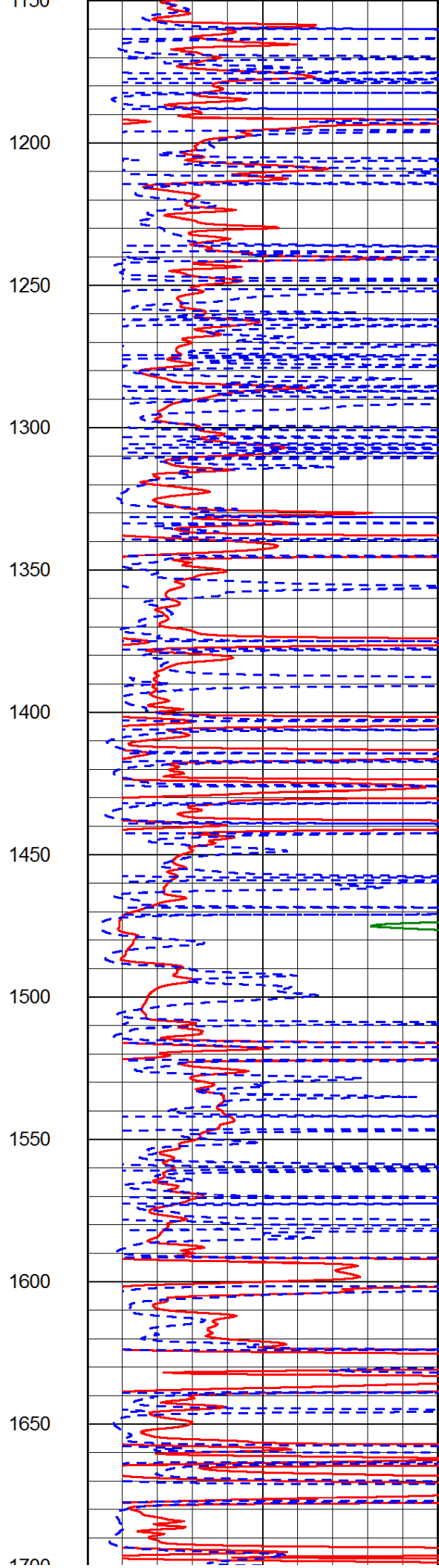
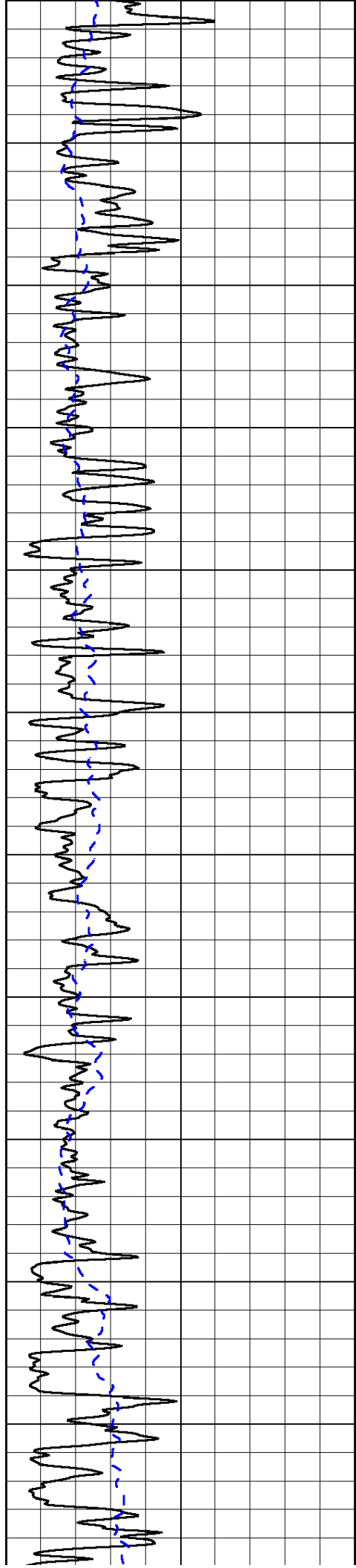
Medicine Lodge KS, S to Hardtner KS,
3/4 W around curve towards Hardtner, N Into at Tank Batt.

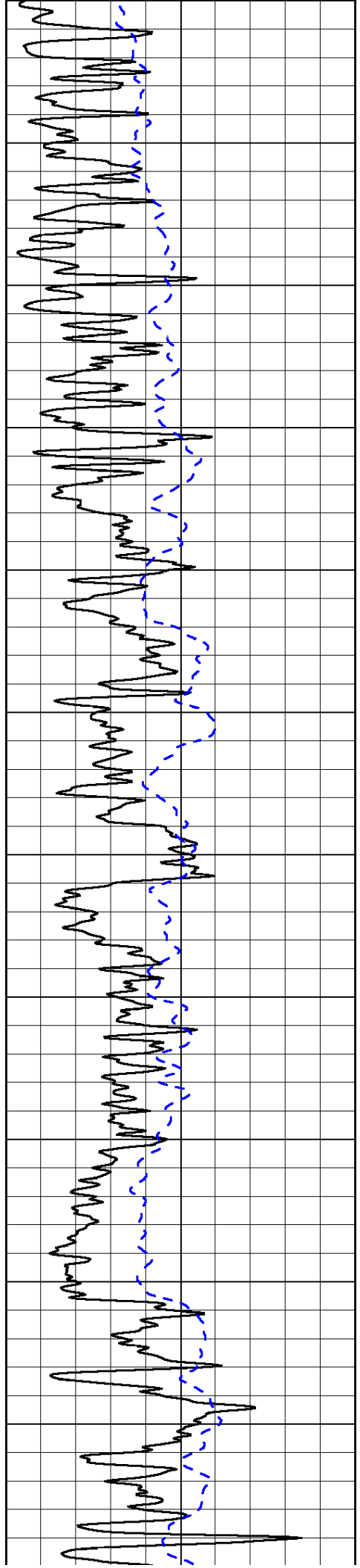
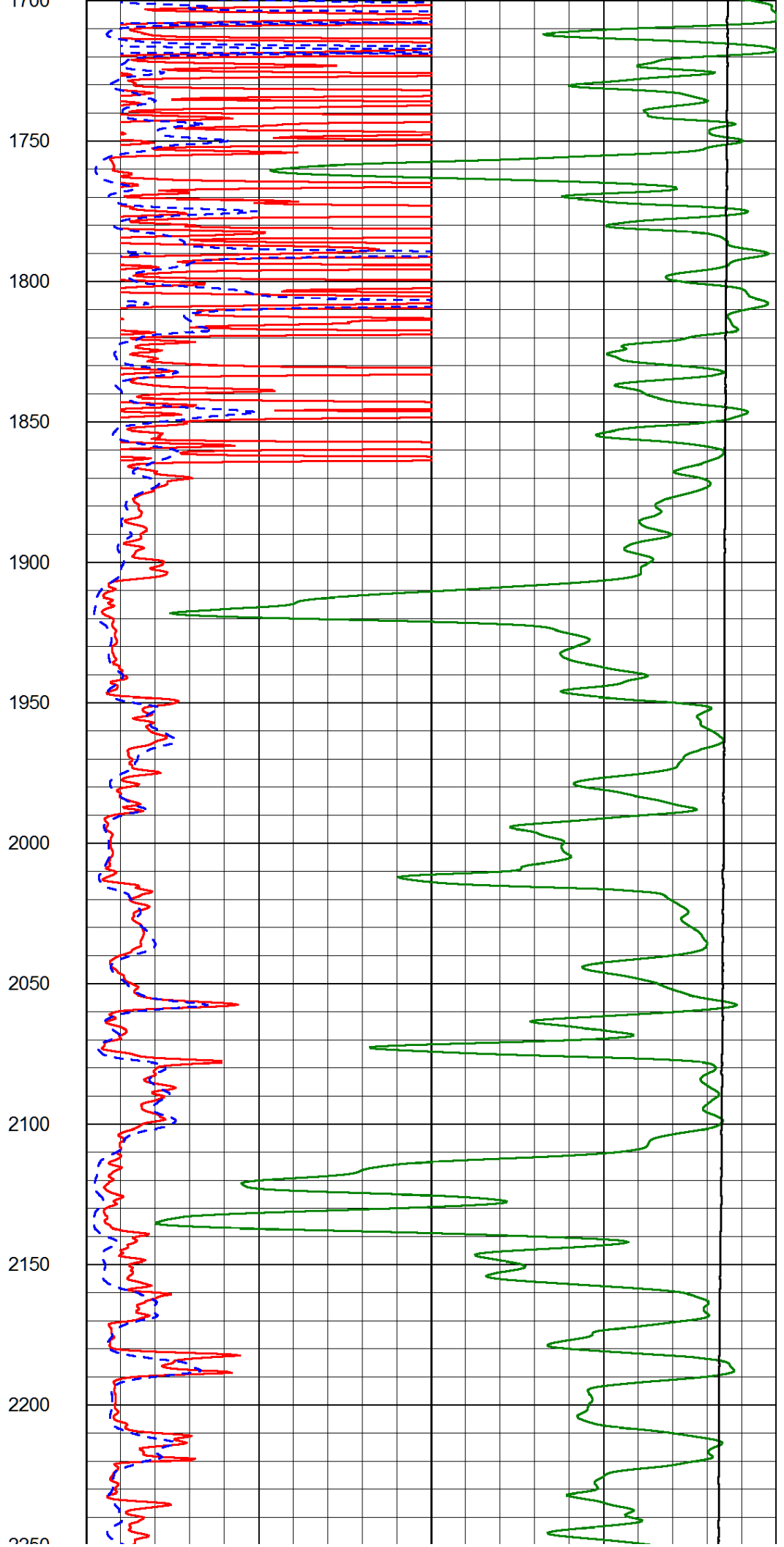
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Dataset Creation: Tue Aug 13 01:37:30 2013
Charted by: Depth in Feet scaled 1:600

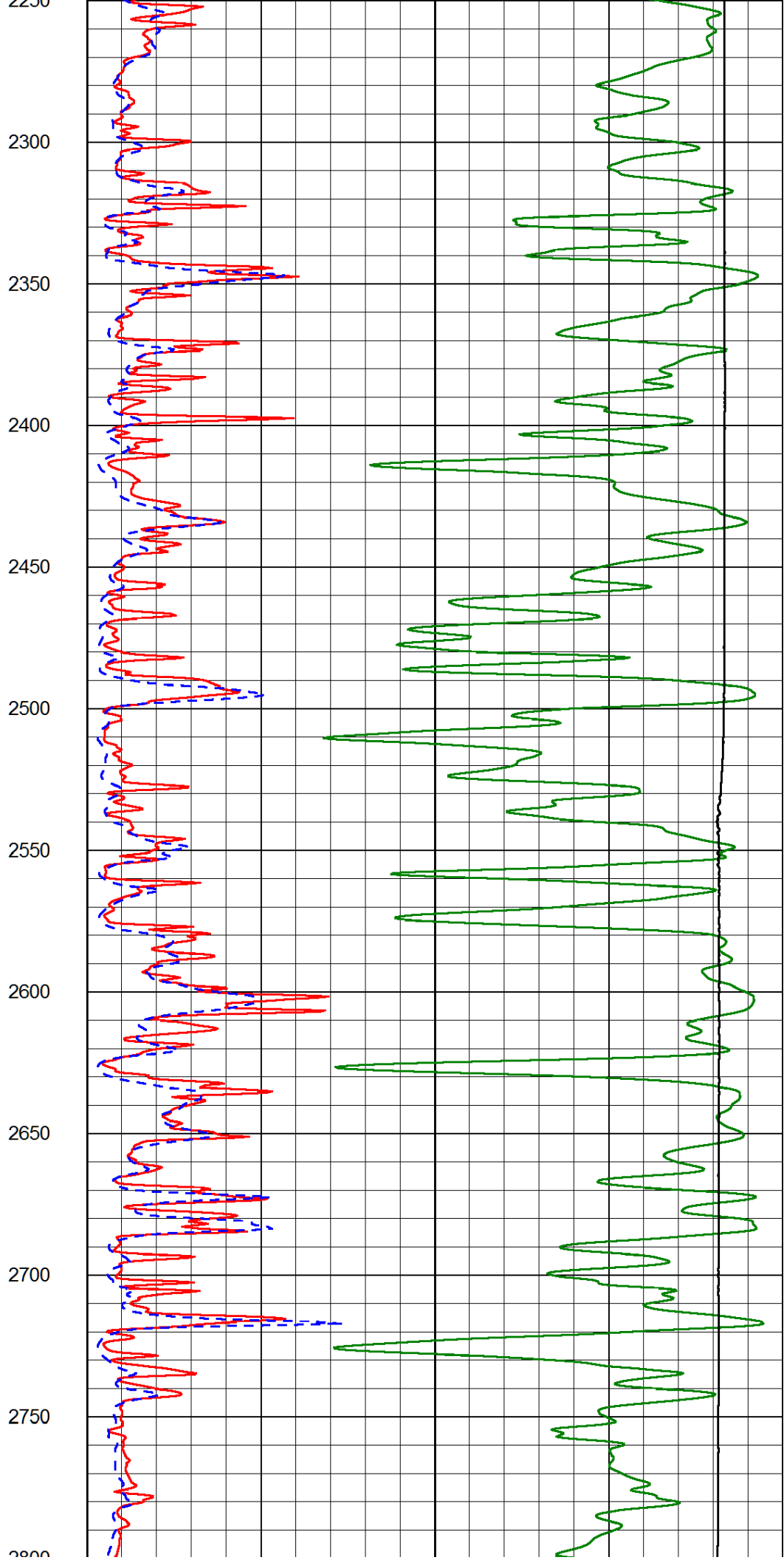
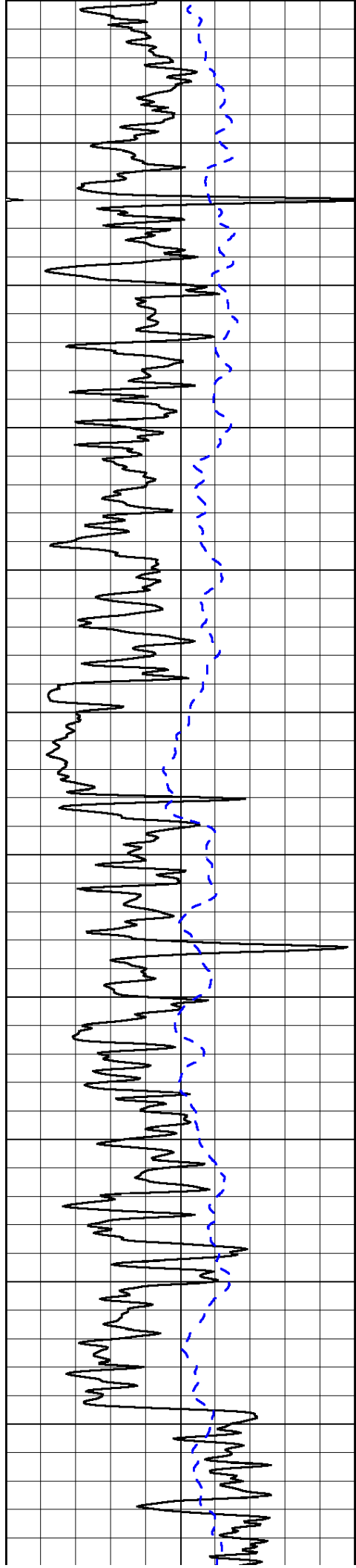
0	Gamma Ray (GAPI)	150
-200	SP (mV)	0

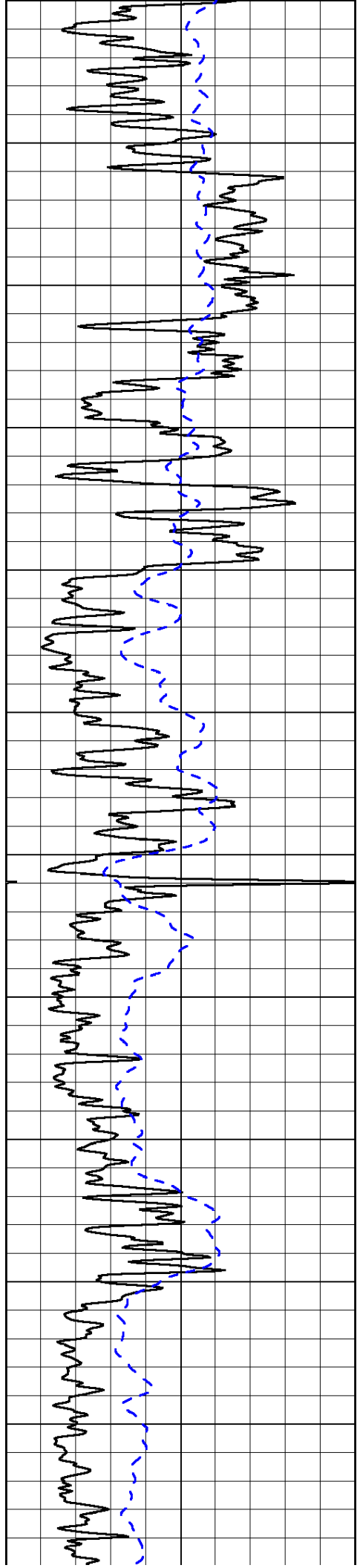
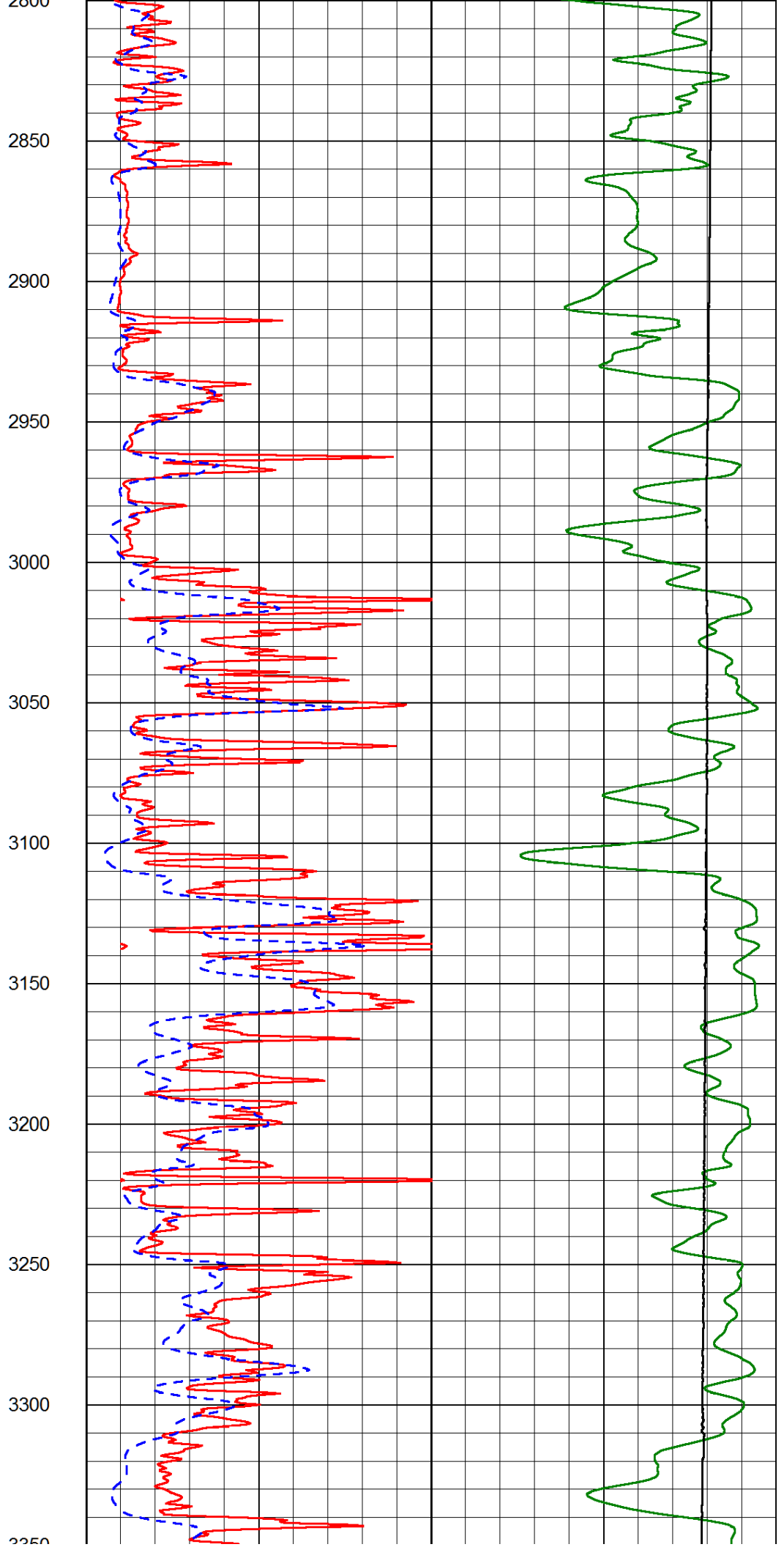
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (Ohm-m)	0
15000	Line Tension (lb)	0
	Shallow Resistivity	
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

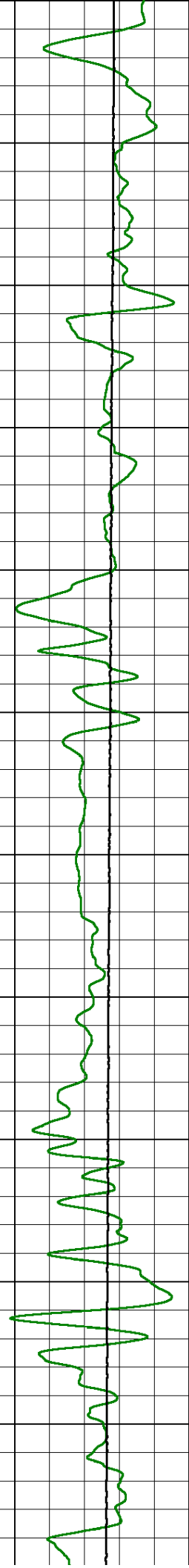
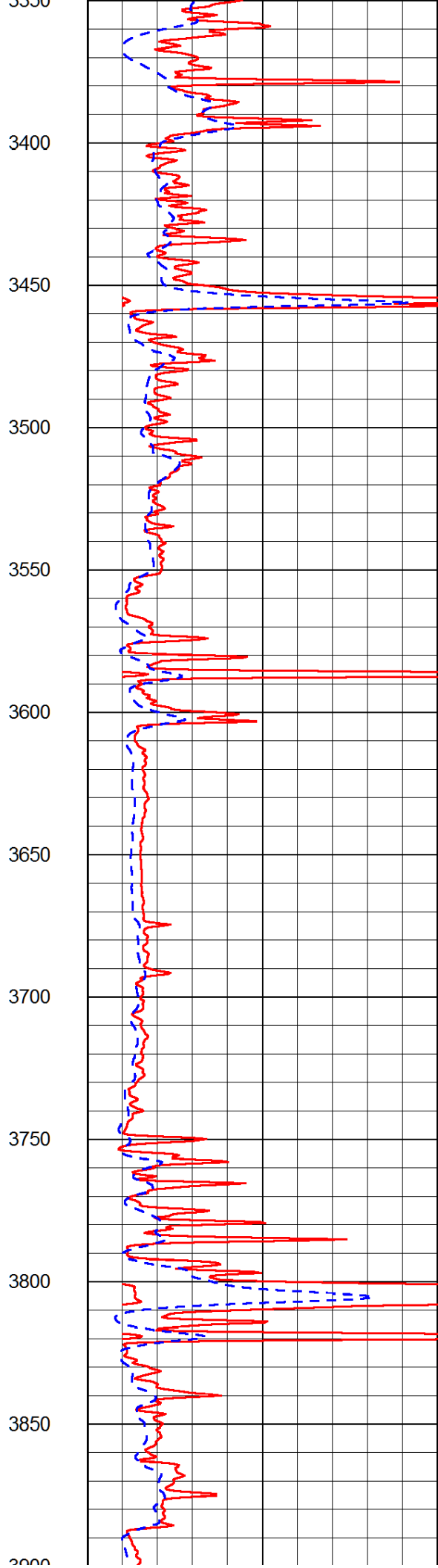
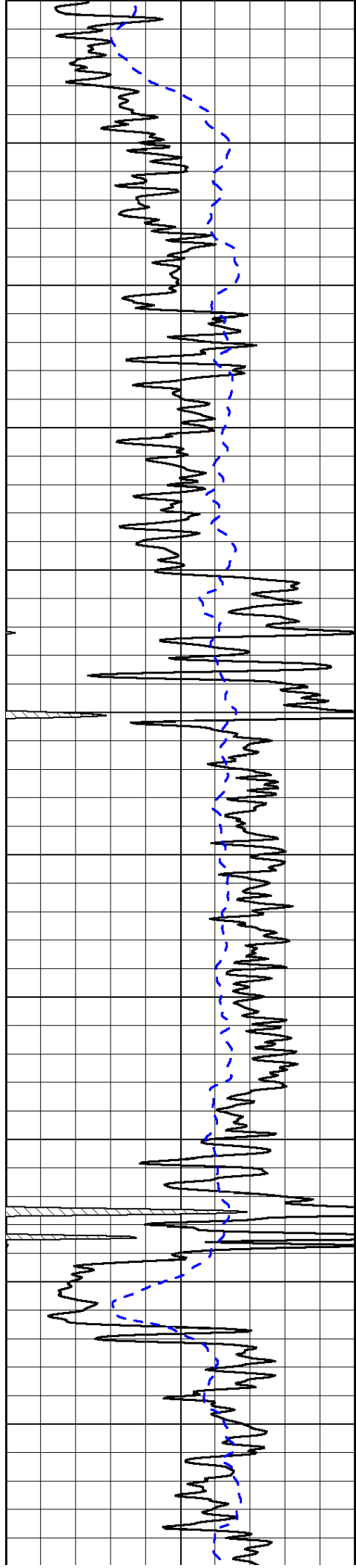


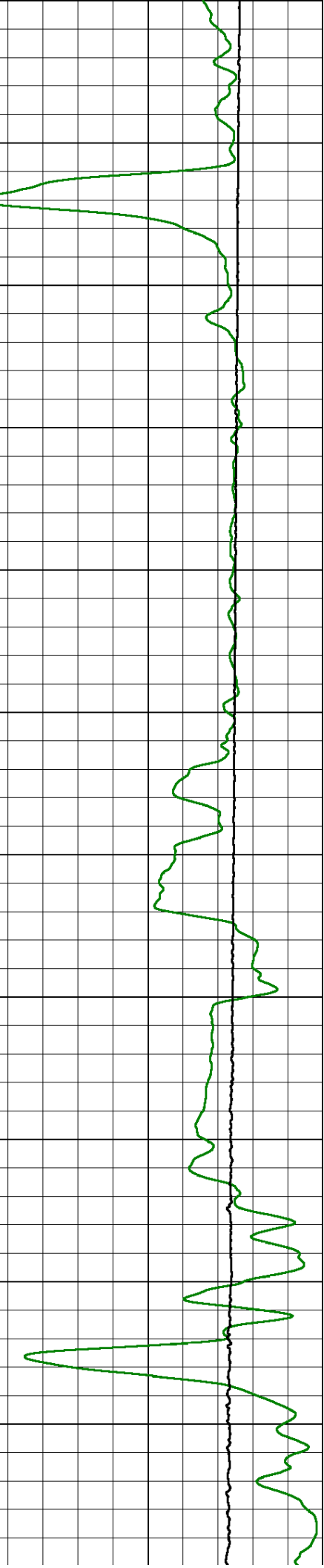
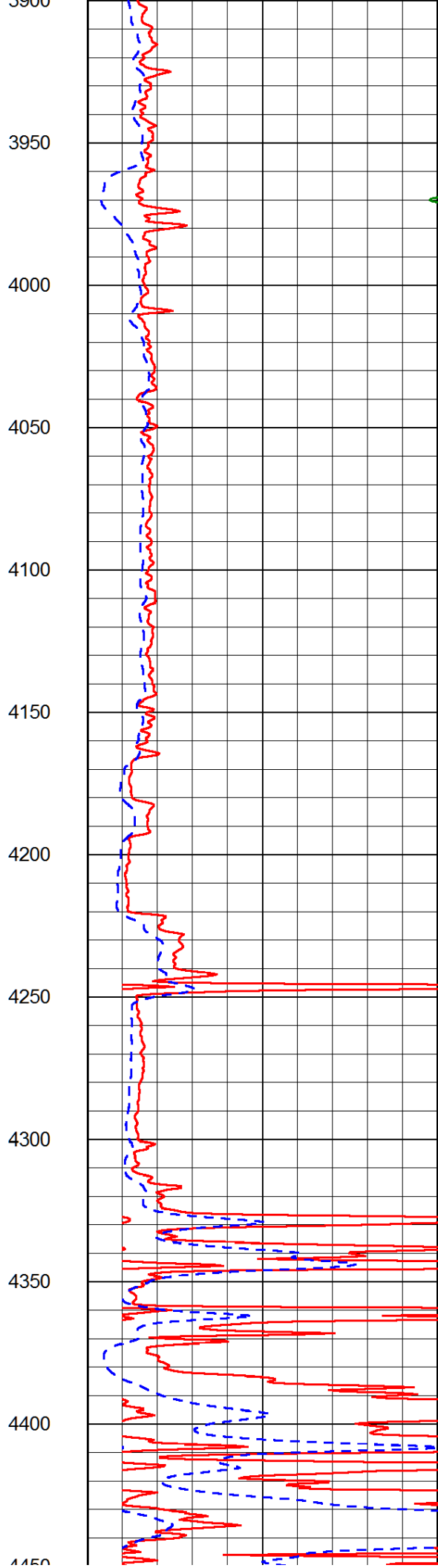
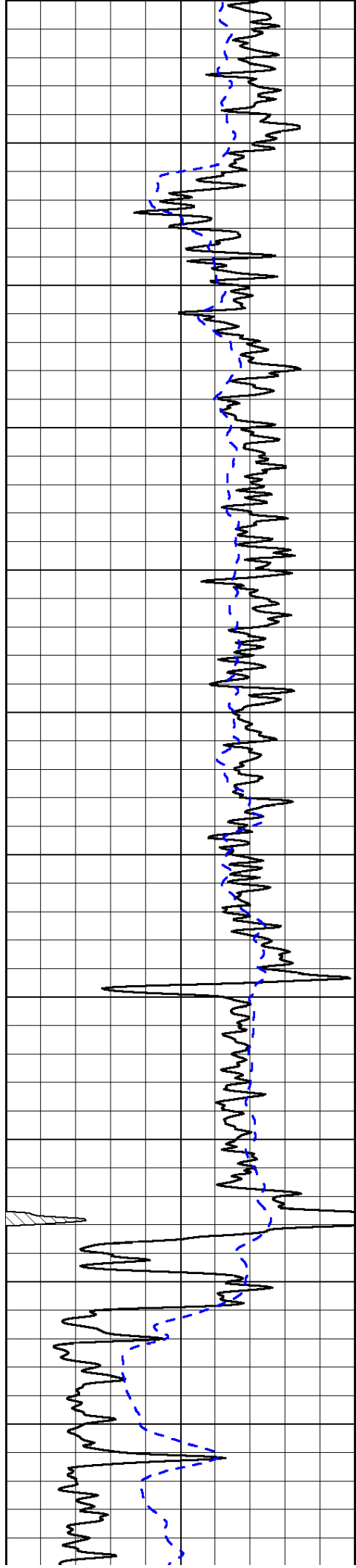


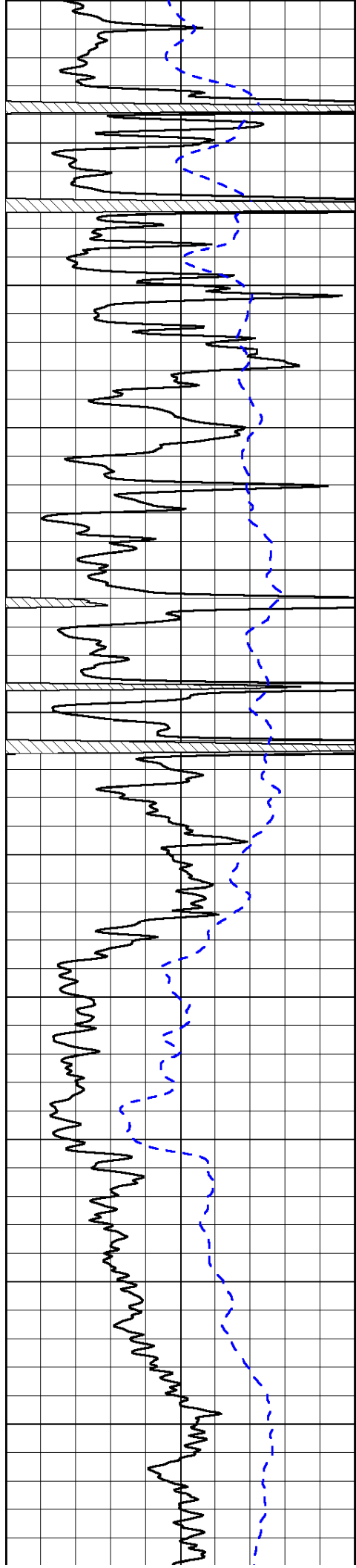




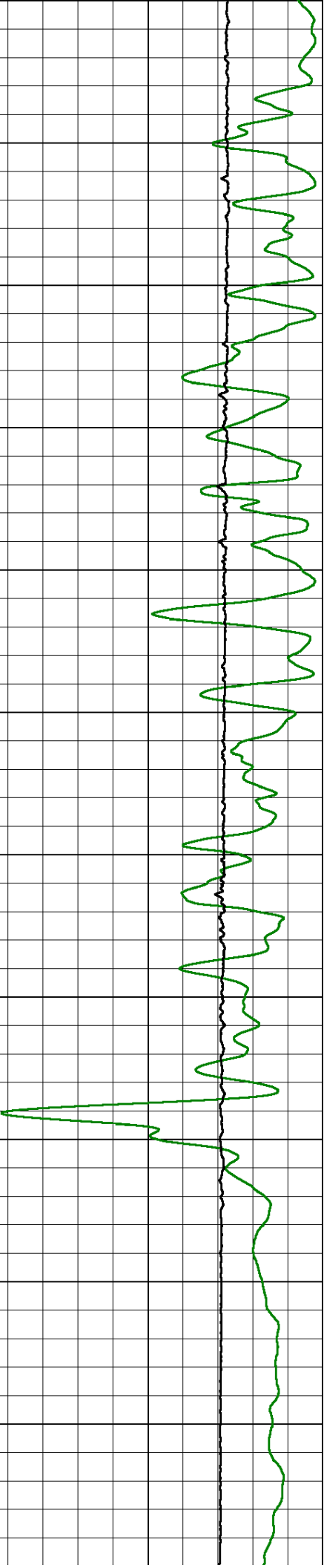
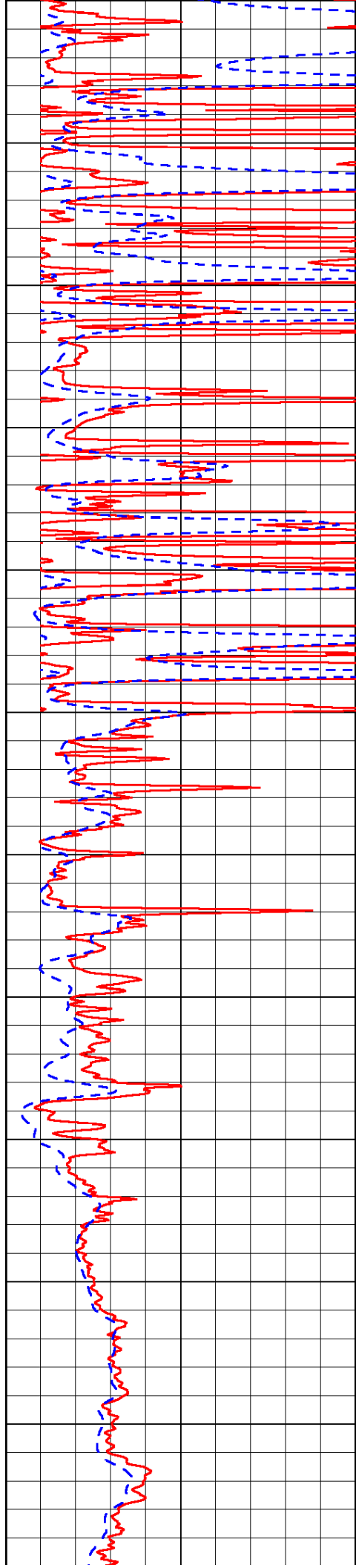


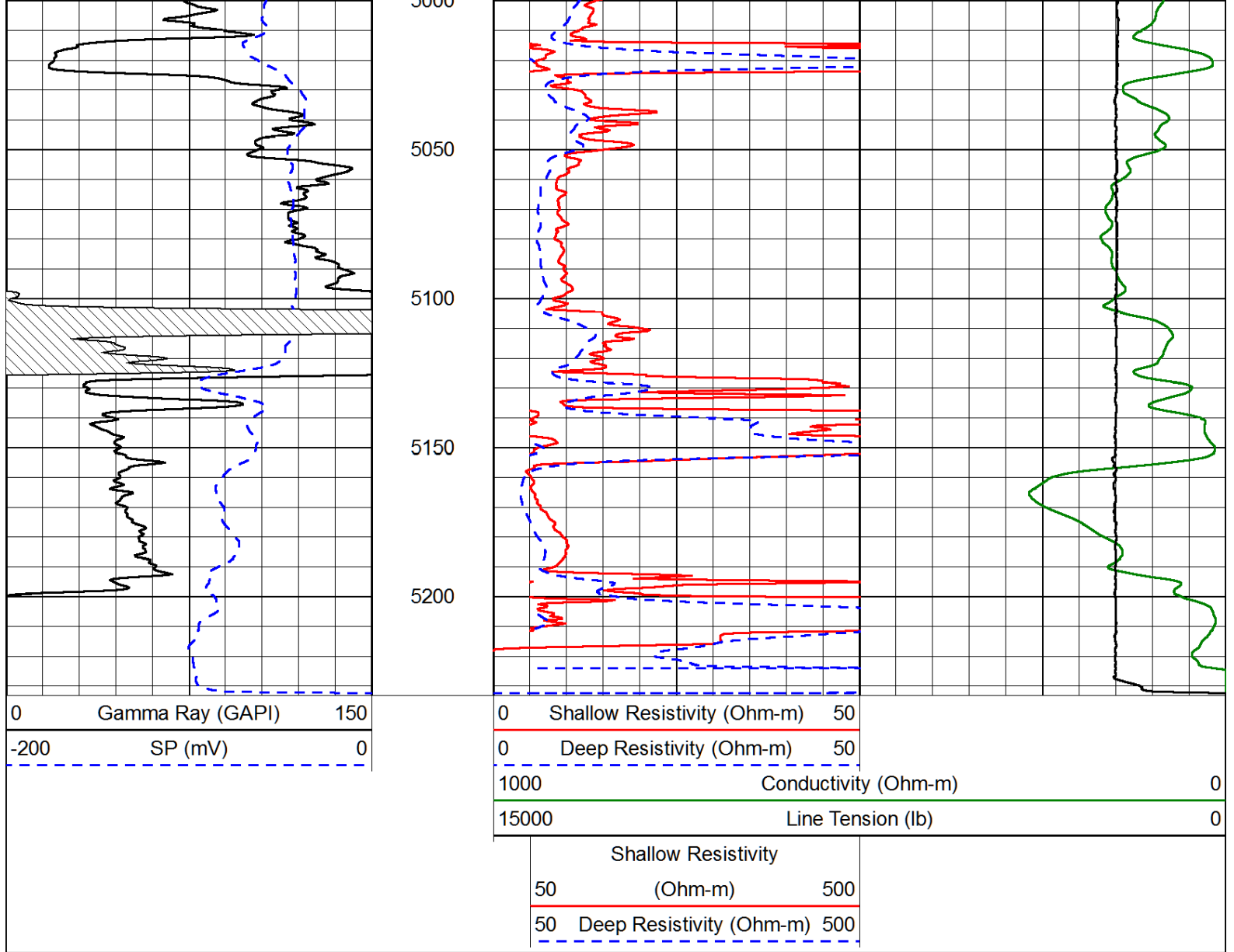




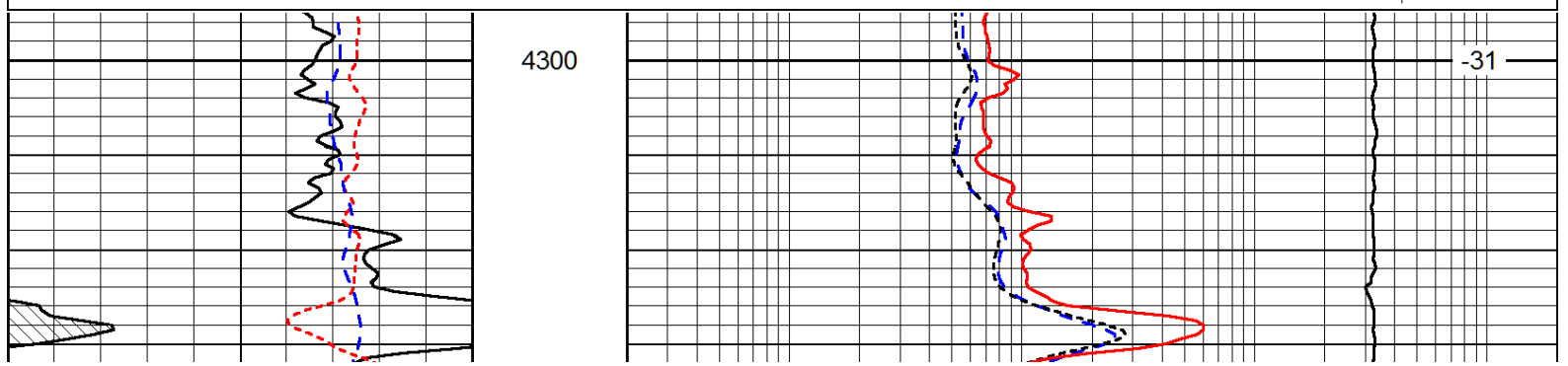
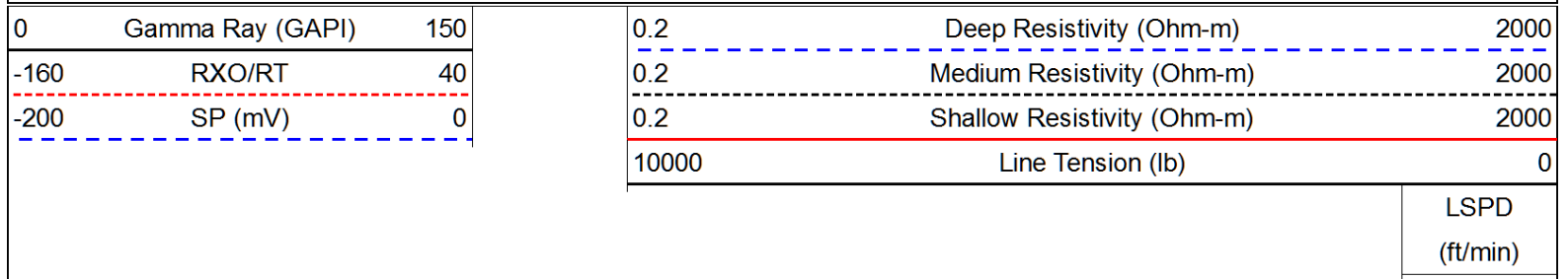


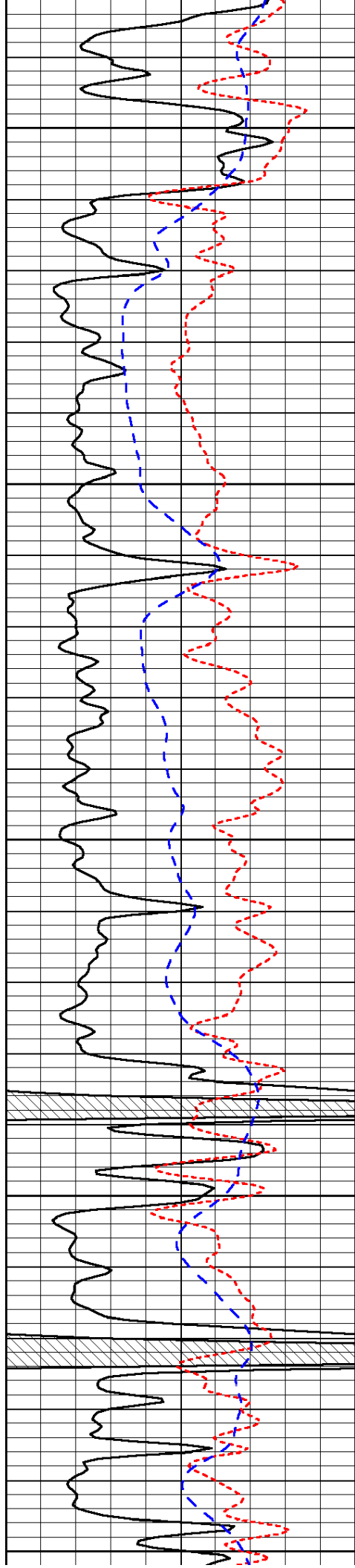
4450
4500
4550
4600
4650
4700
4750
4800
4850
4900
4950
5000





Database File: indianhd.db
Dataset Pathname: dil/indstk2
Presentation Format: dil
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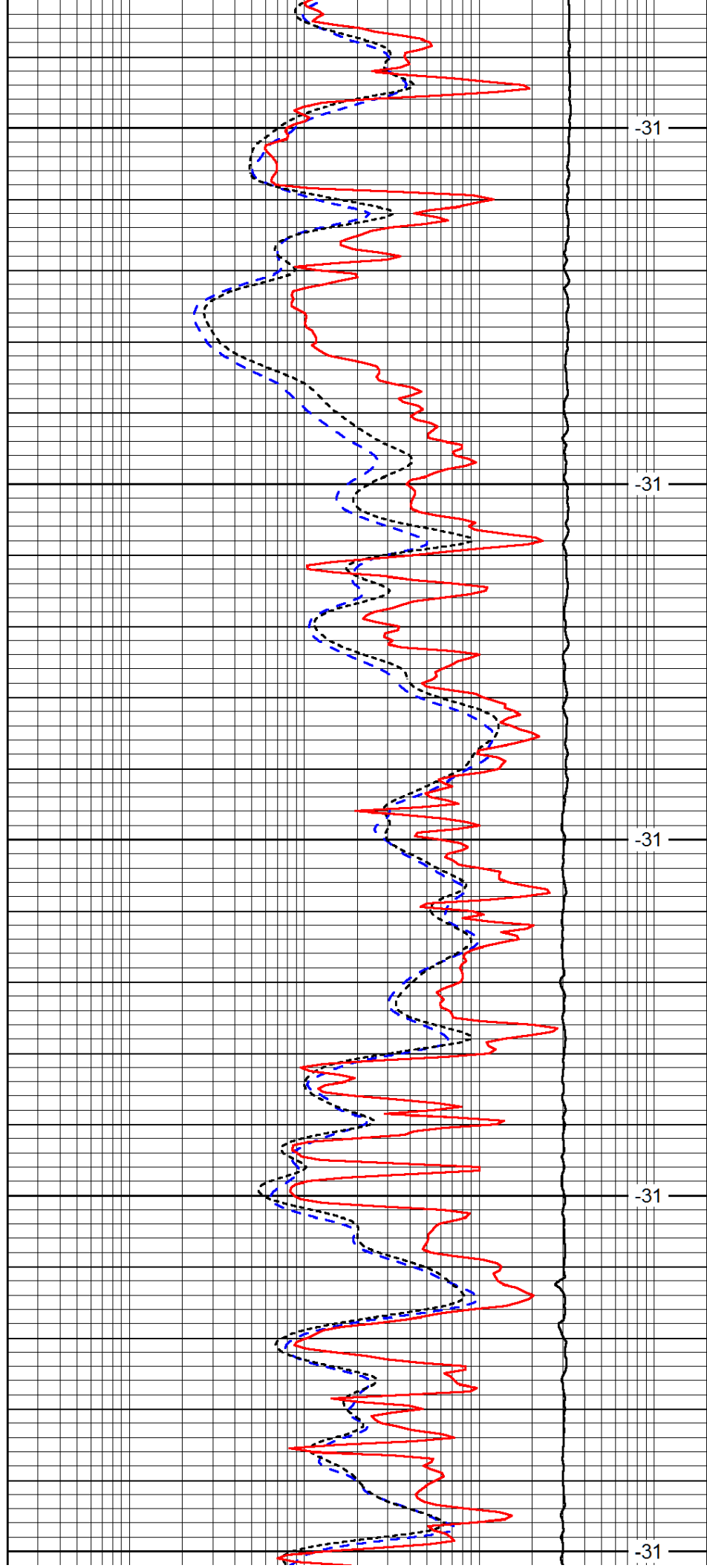
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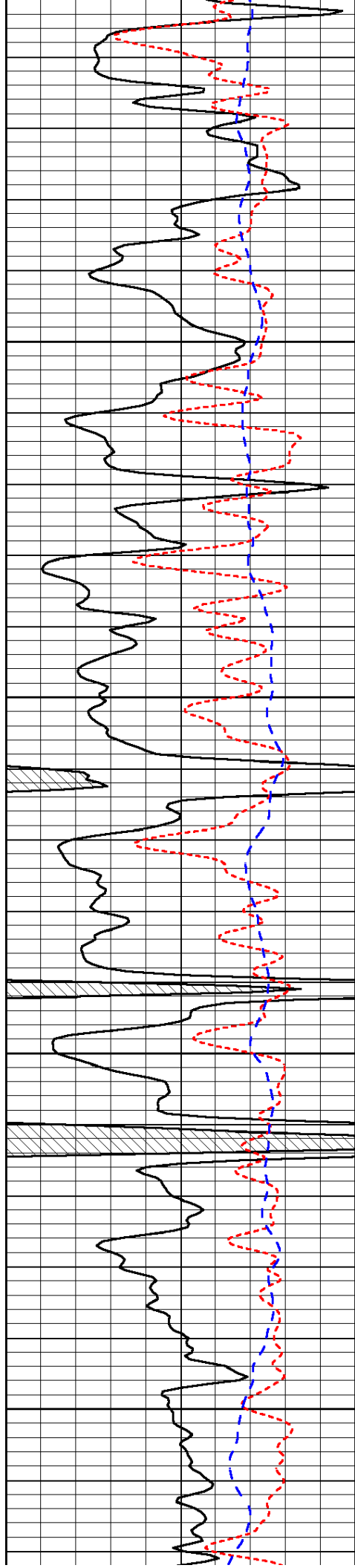
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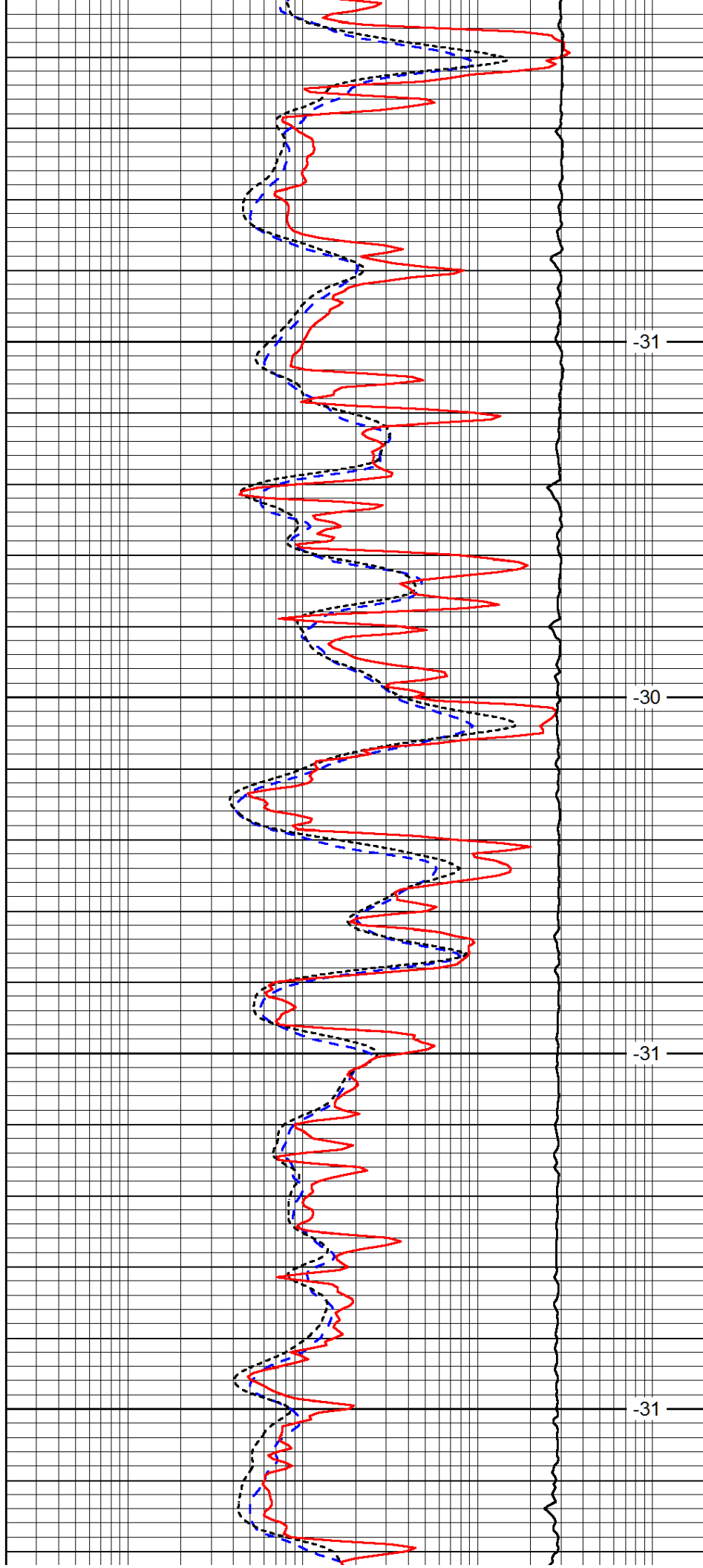


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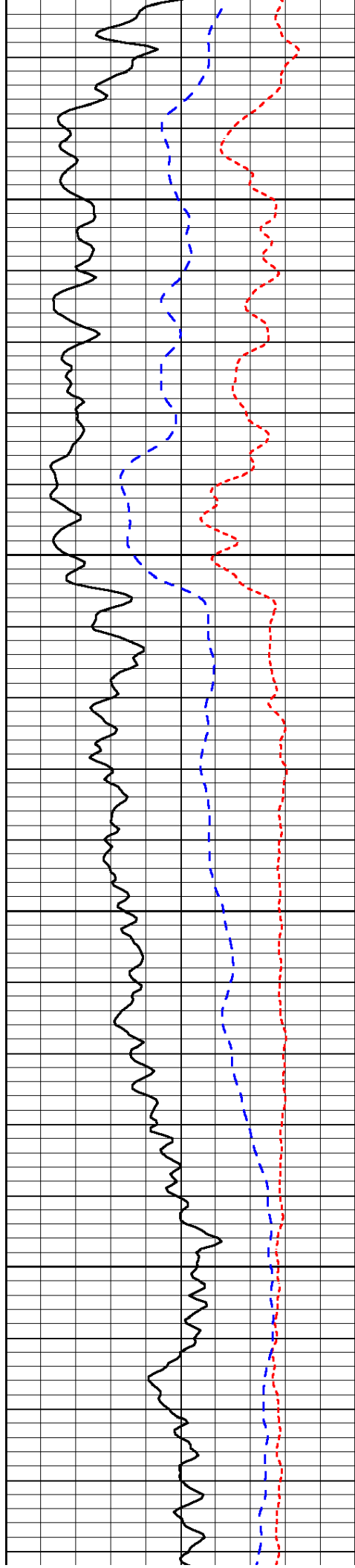


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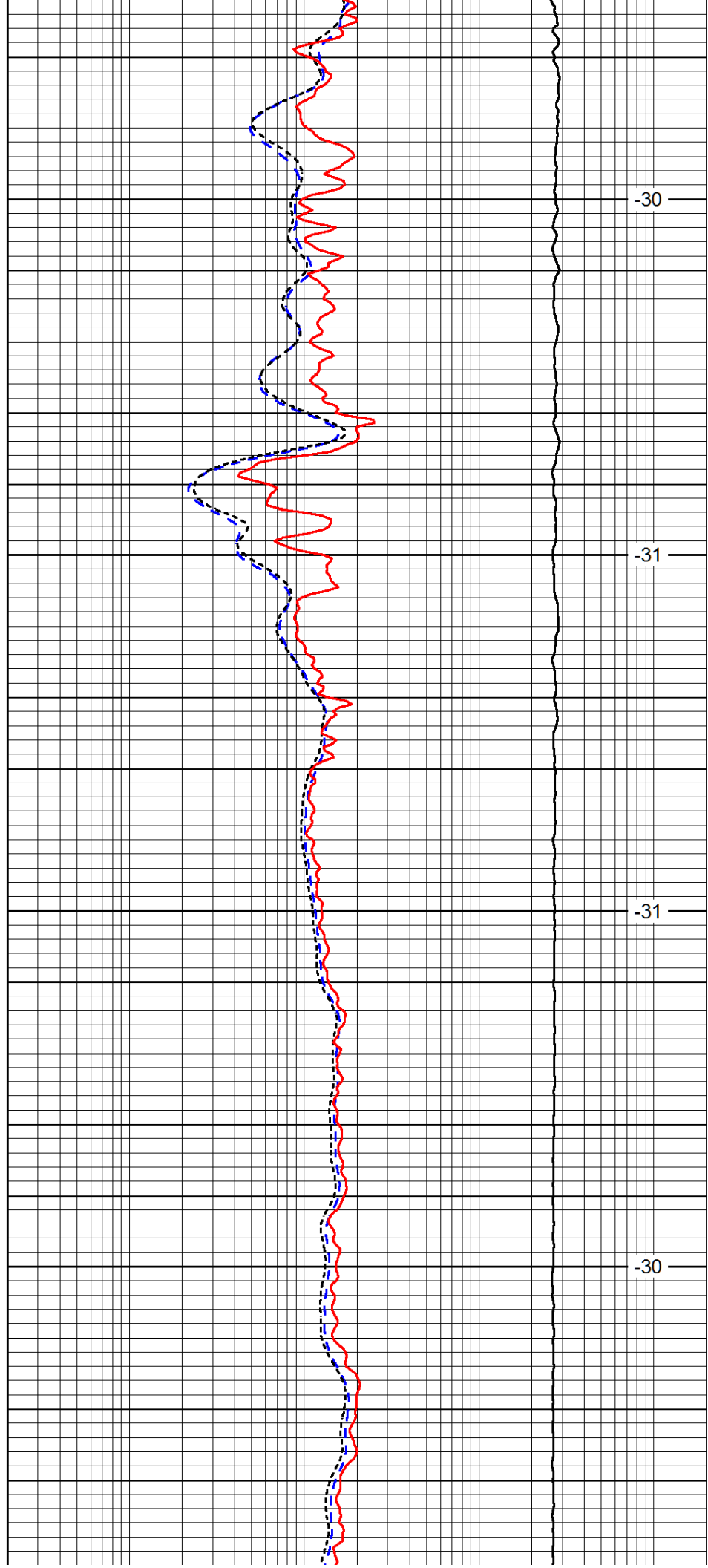


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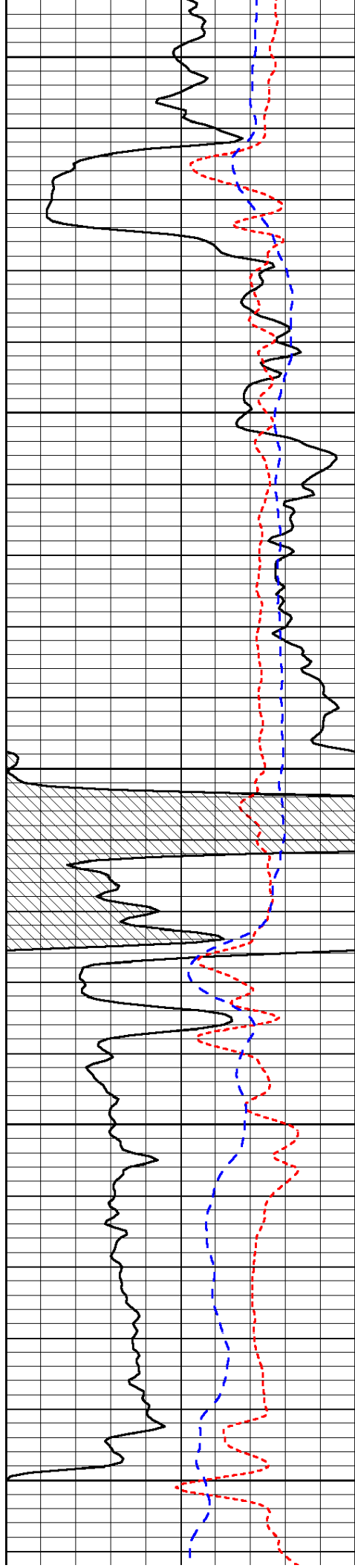


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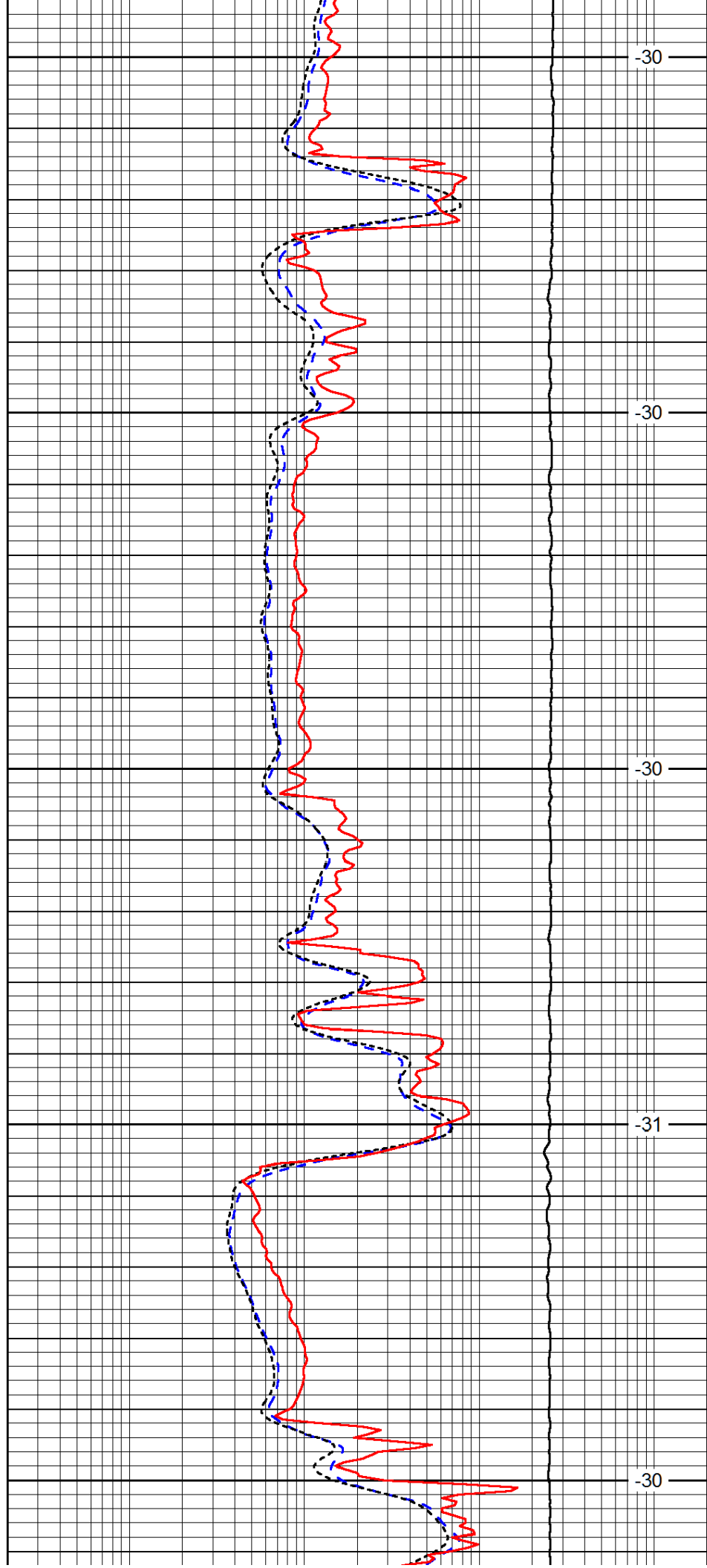
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5050

5100

5150

5200



-30

-30

-30

-31

-30

