



Dual Induction Log

Pioneer Energy Services

API No.

15-055-22,276-00-00

Company **Lebsack Oil Production, Inc.**

Well **Garden City No. 5-12**

Field **Tanker**

County **Finney** State

Kansas

Location **1320' FNL & 1320' FEL**

Sec: 12

Twp: 22S

Rge: 34W

Other Services
CNL/CDL
MEL

Permanent Datum **Ground Level**

Elevation 2906

Log Measured From **Kelly Bushing**

11 Ft. Above Perm. Datum

K.B. 2917

D.F. 2906

G.L. 2906

Drilling Measured From

2/27/14

Run Number

One

Depth Driller

4860

Depth Logger

4866

Bottom Logged Interval

4865

Top Log Interval

400

Casing Driller

8.625 @ 417

Casing Logger

412

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

3,700

Density / Viscosity

9.4 @ 54

pH / Fluid Loss

10.0 @ 8.0

Source of Sample

Flowline

Rm @ Meas. Temp

.78 @ 58

Rmf @ Meas. Temp

.59 @ 58

Rmc @ Meas. Temp

1.05 @ 58

Source of Rmf / Rmc

Charts

Rm @ BHT

.36 @ 125

Operating Rig Time

3 1/2 Hours

Max Rec. Temp. F

125

Equipment Number

17

Location

Hays

Recorded By

J. Henrickson

Witnessed By

Josh Austin

<<< 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

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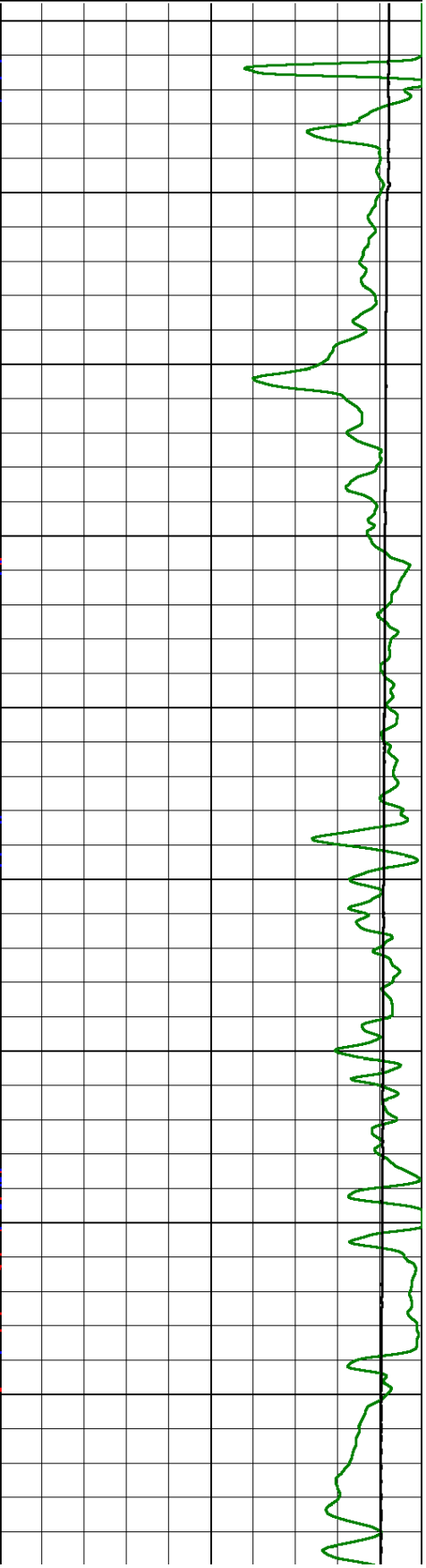
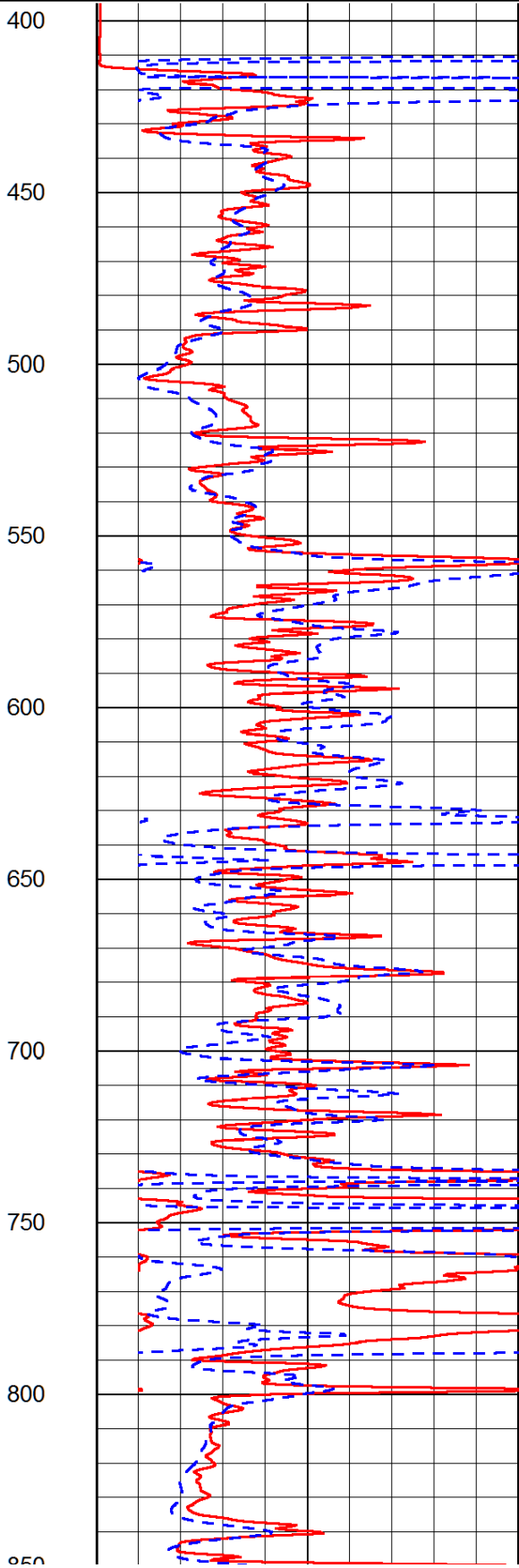
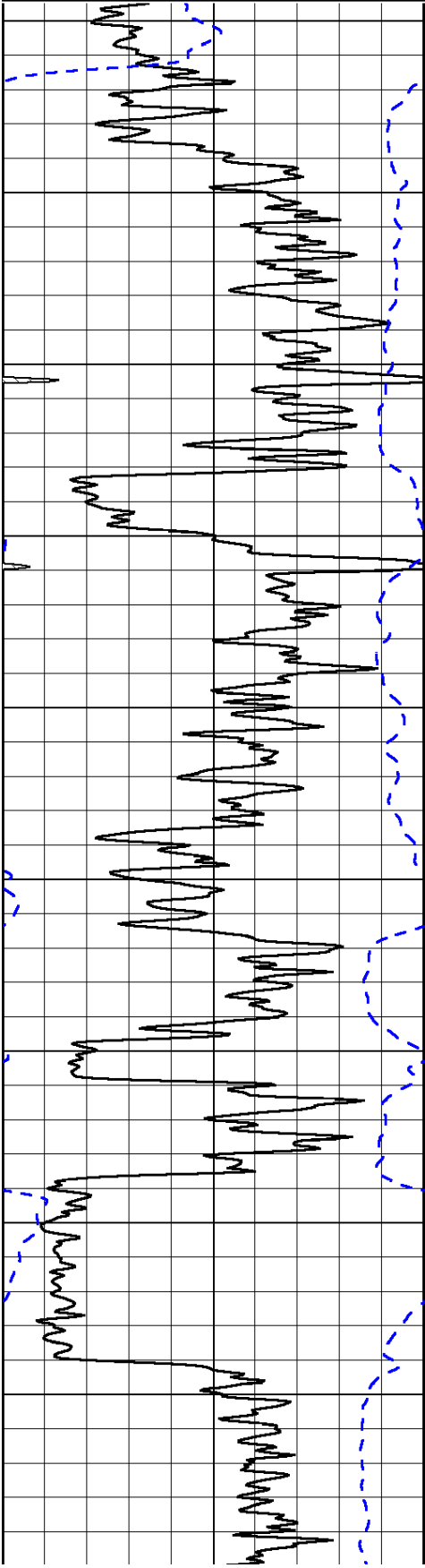
Scott City Kansas
South to Tennis Rd, 6 West, 1/2 South, West Into

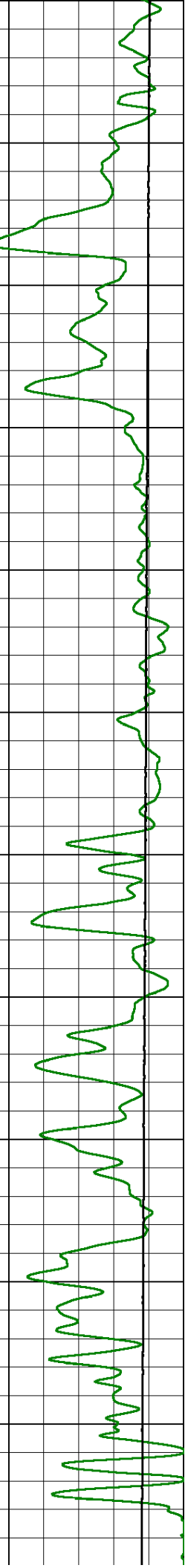
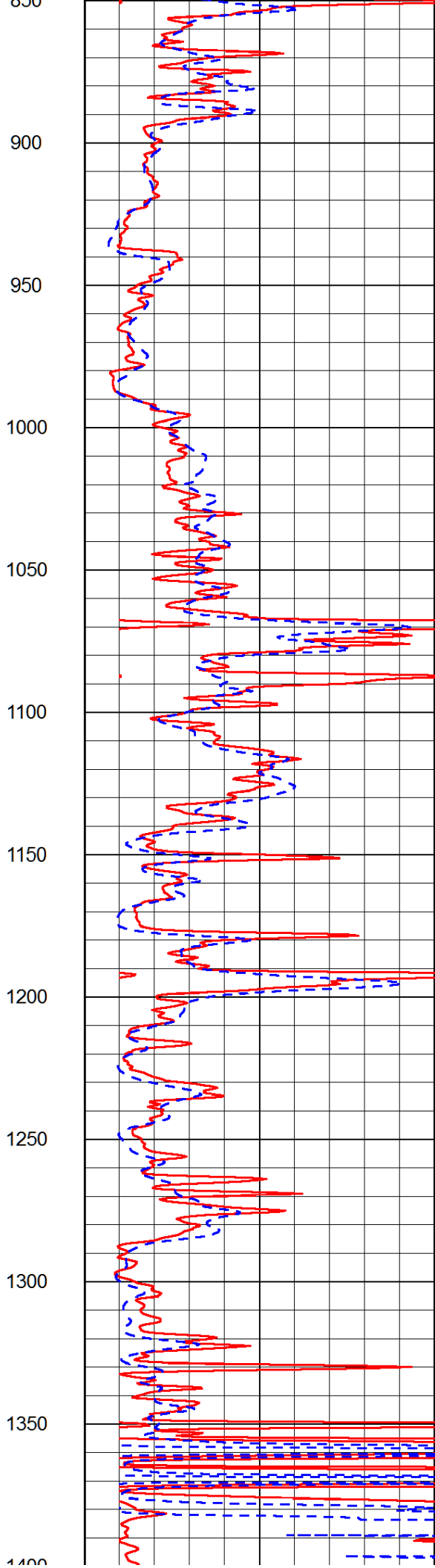
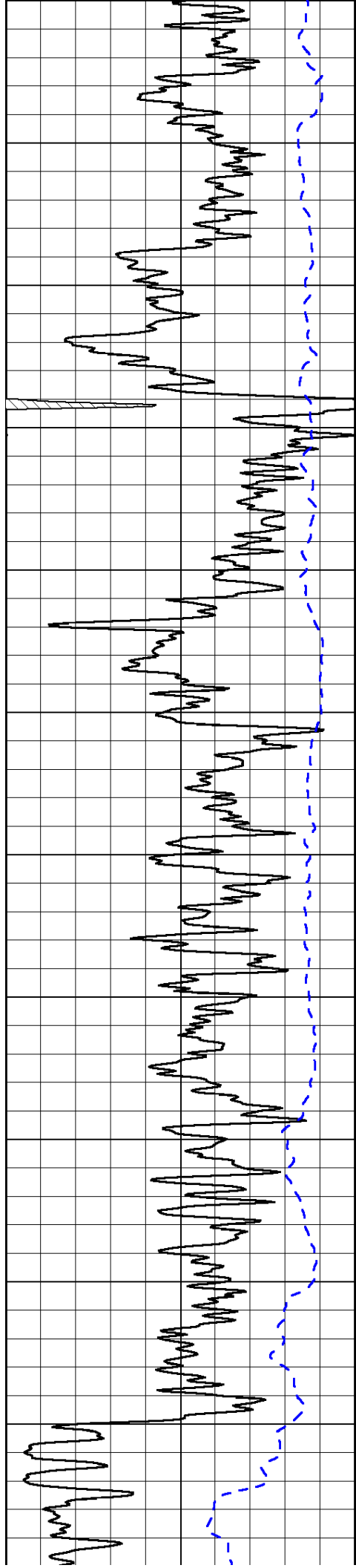
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Presentation Format: dil2in
Dataset Creation: Thu Feb 27 19:22:52 2014
Charted by: Depth in Feet scaled 1:600

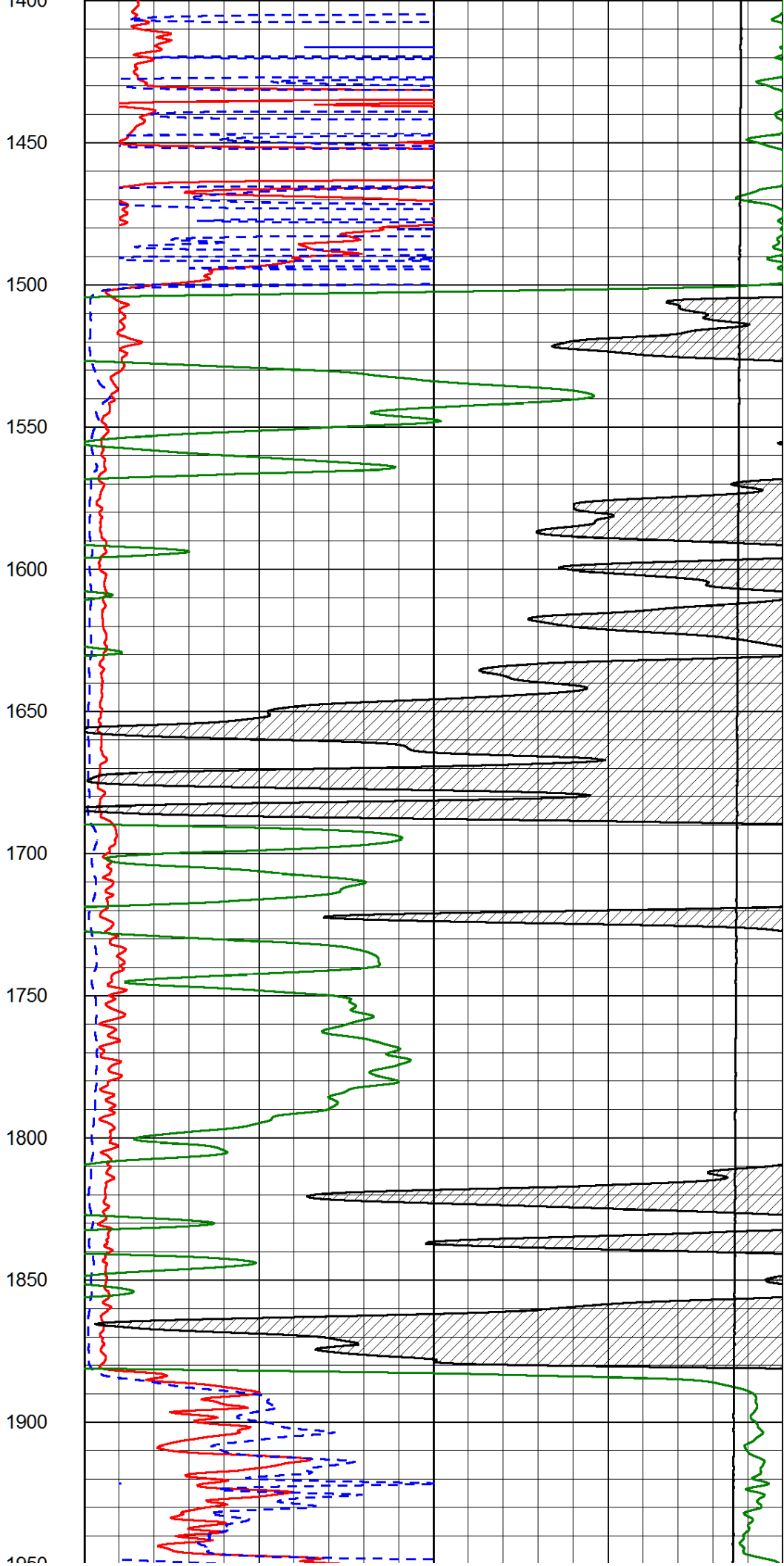
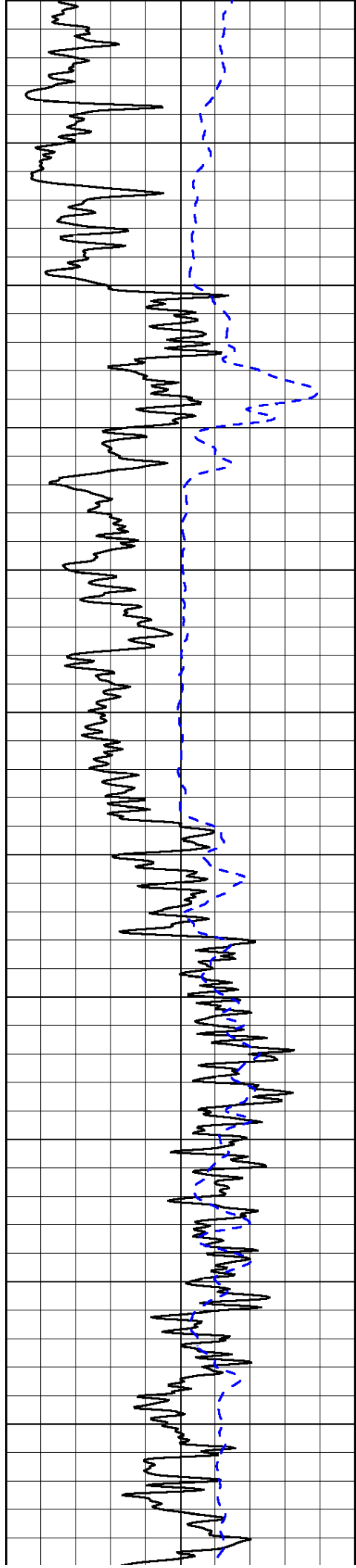
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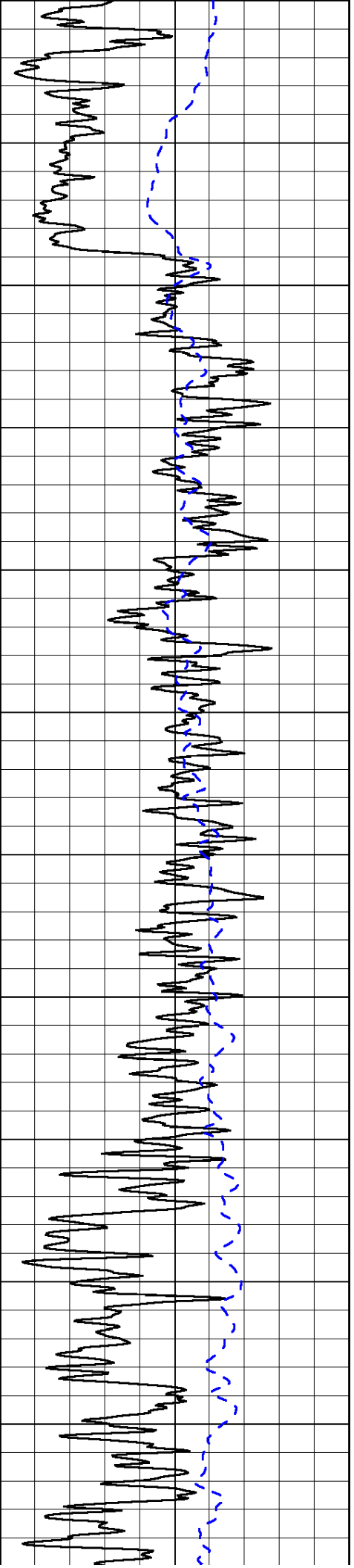
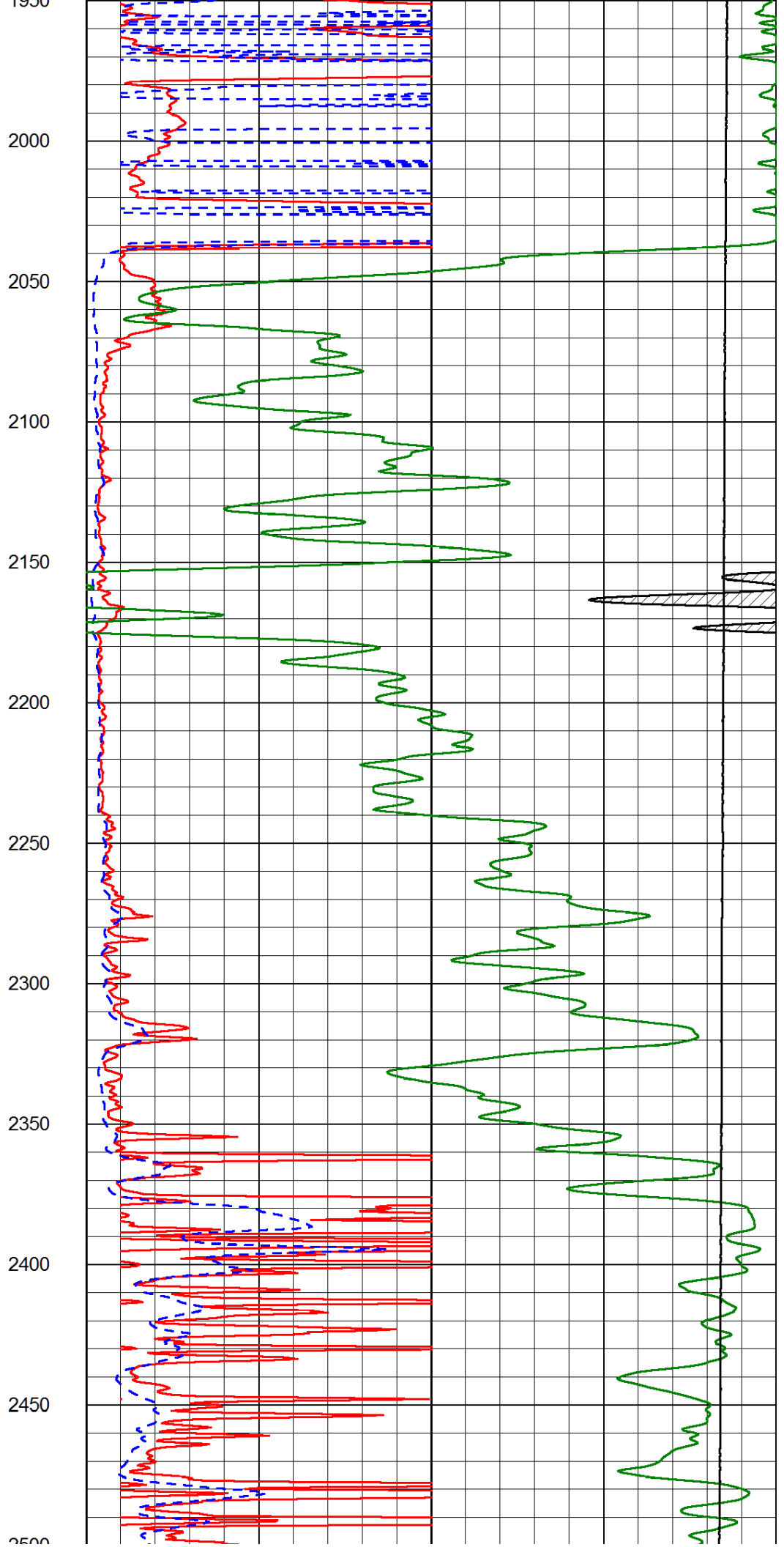
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-200	SP (mV)	0

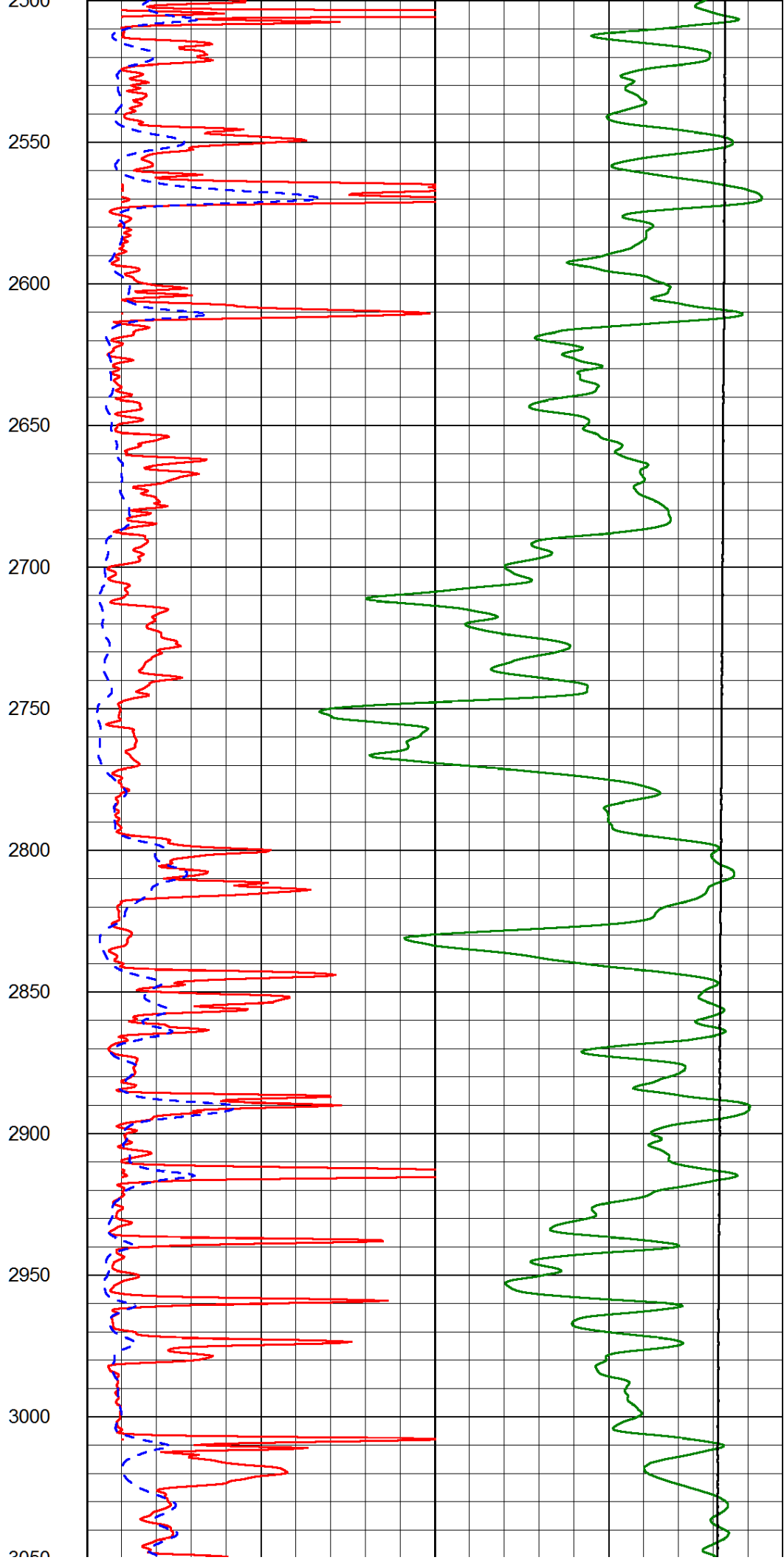
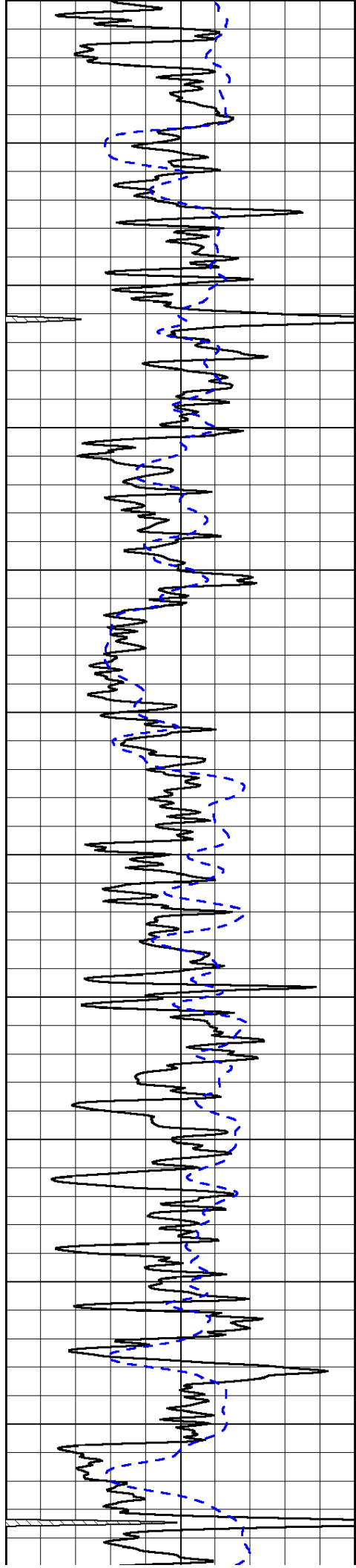
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (Ohm-m)	0
15000	Line Tension (lb)	0
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50	Deep Resistivity (Ohm-m)	500

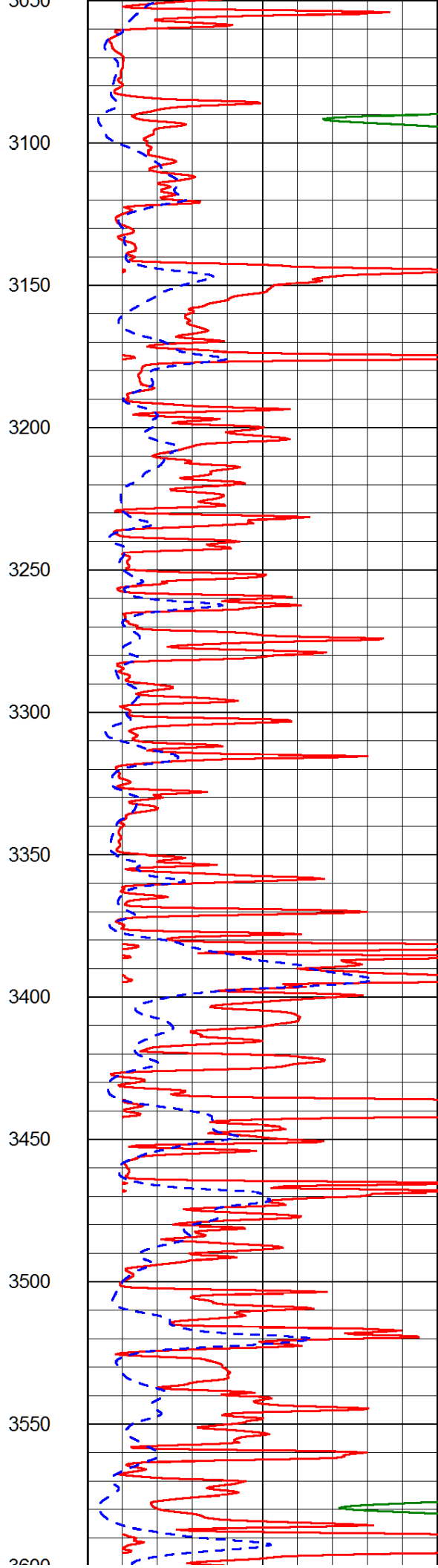
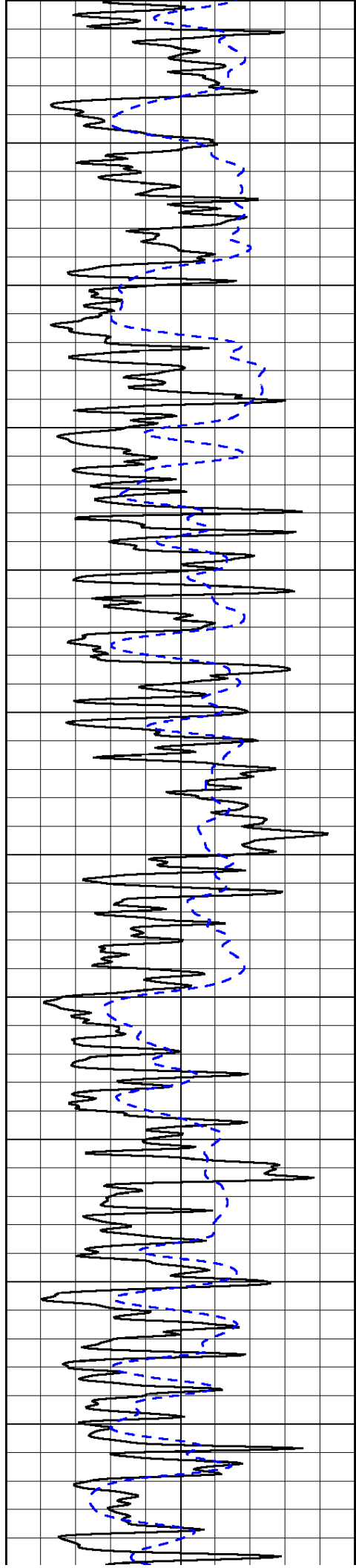


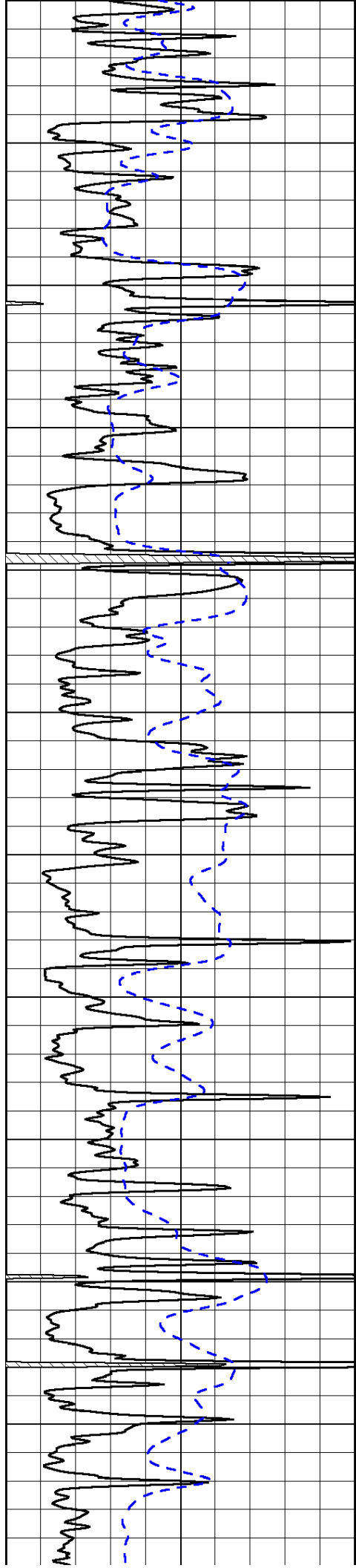




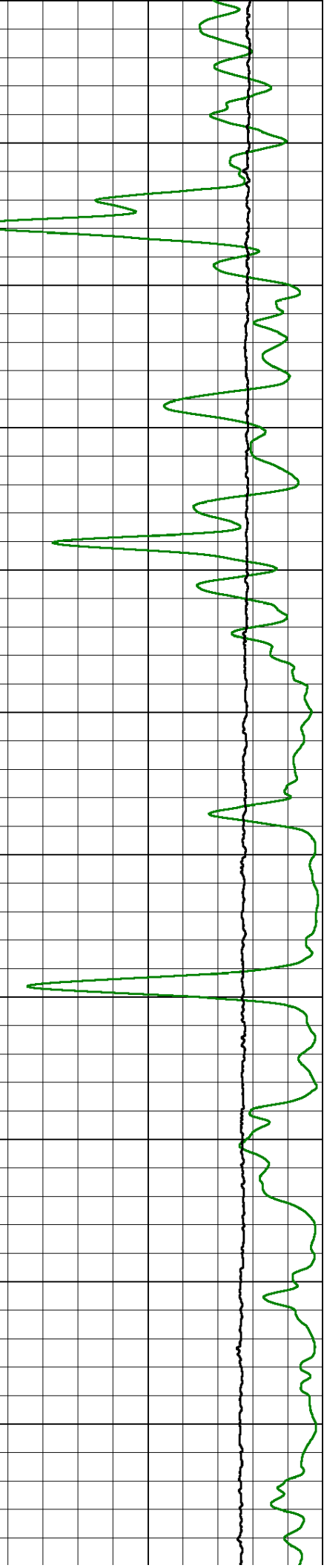
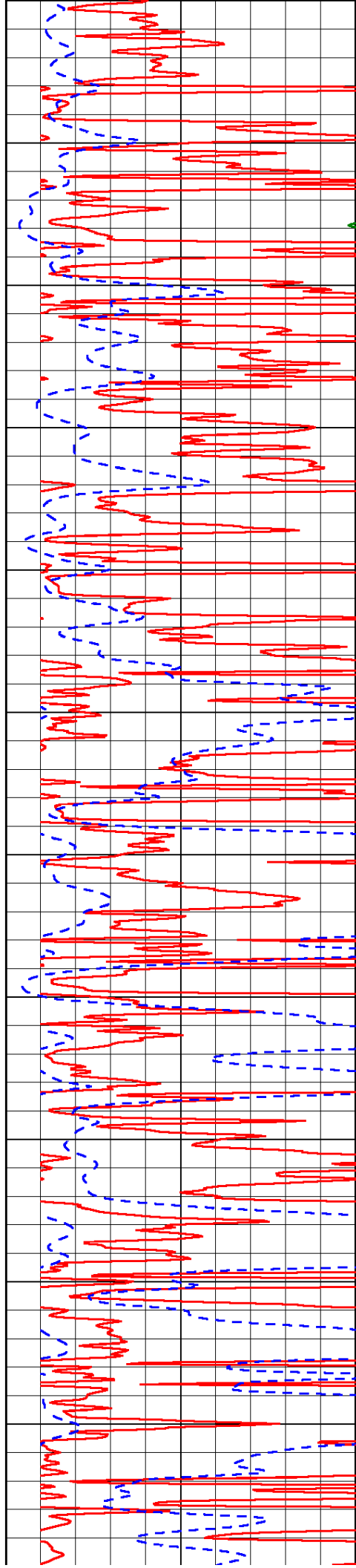


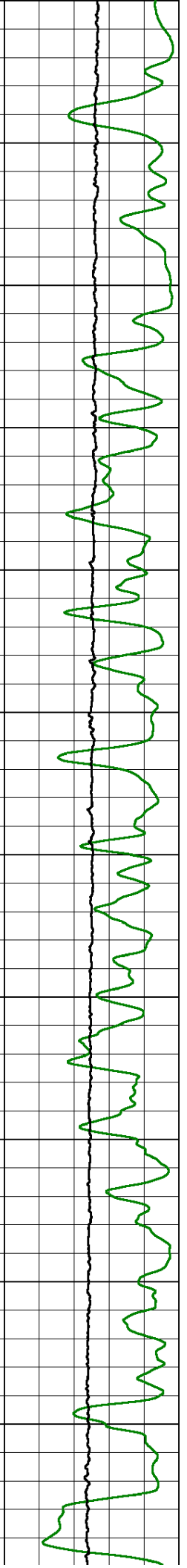
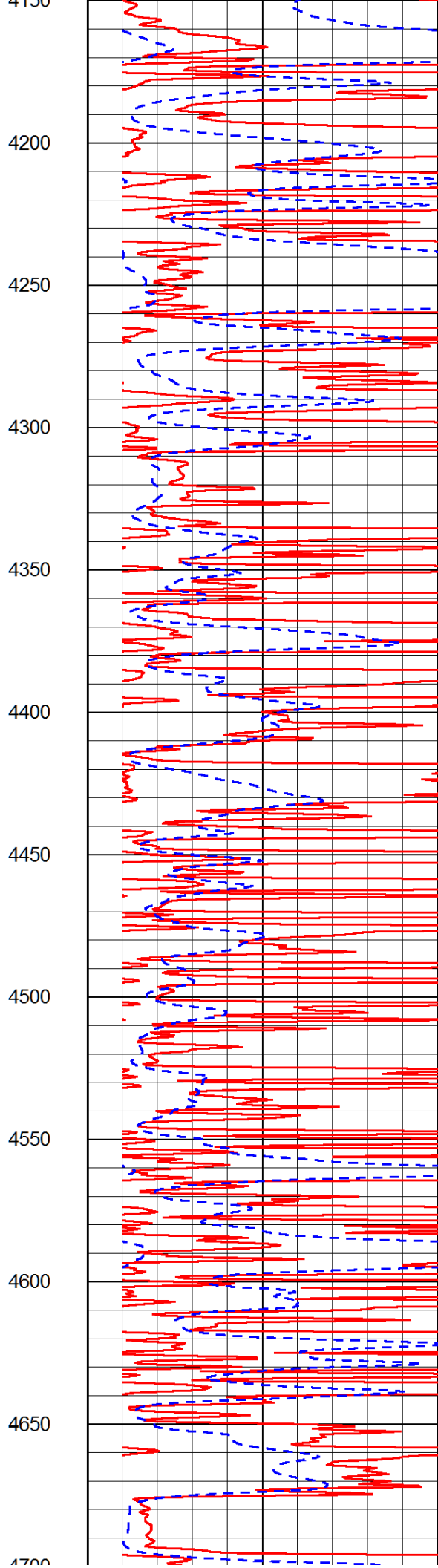
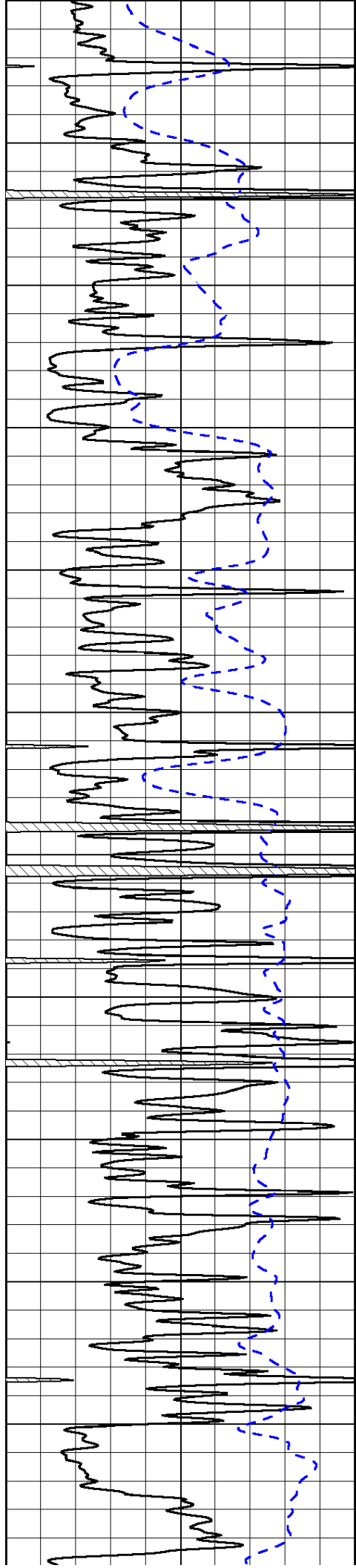


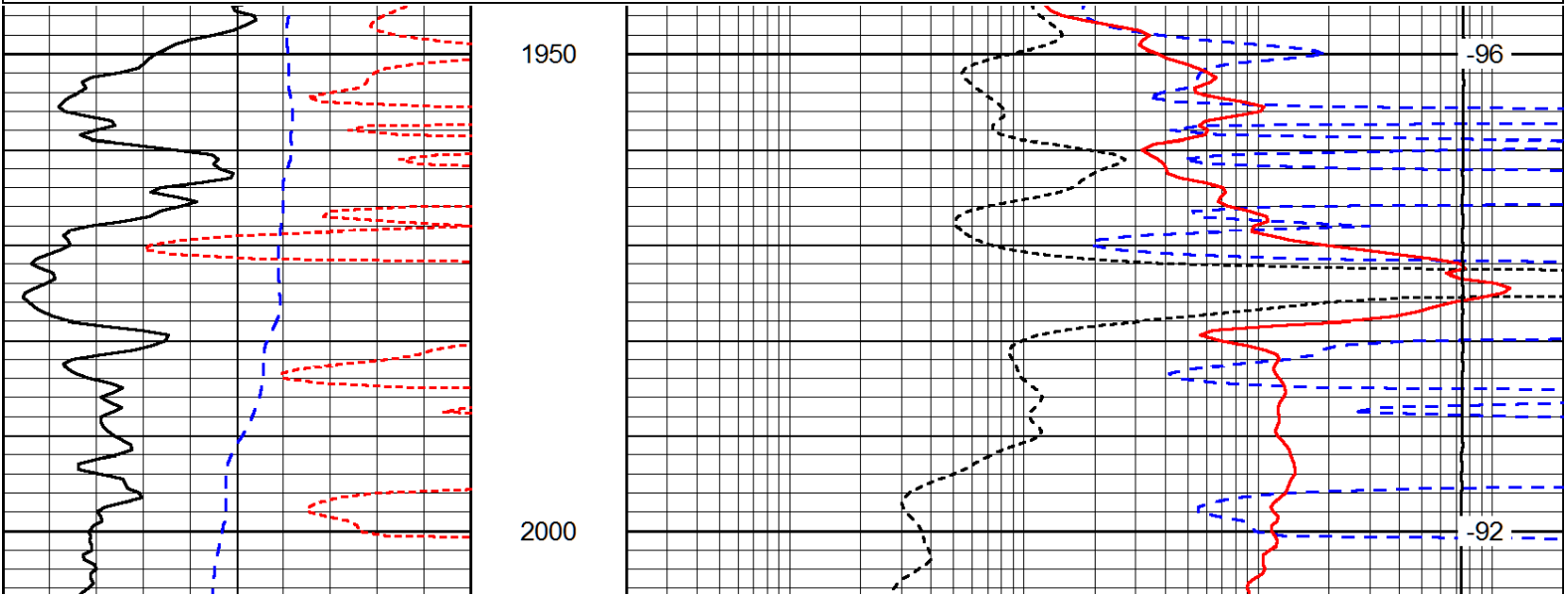
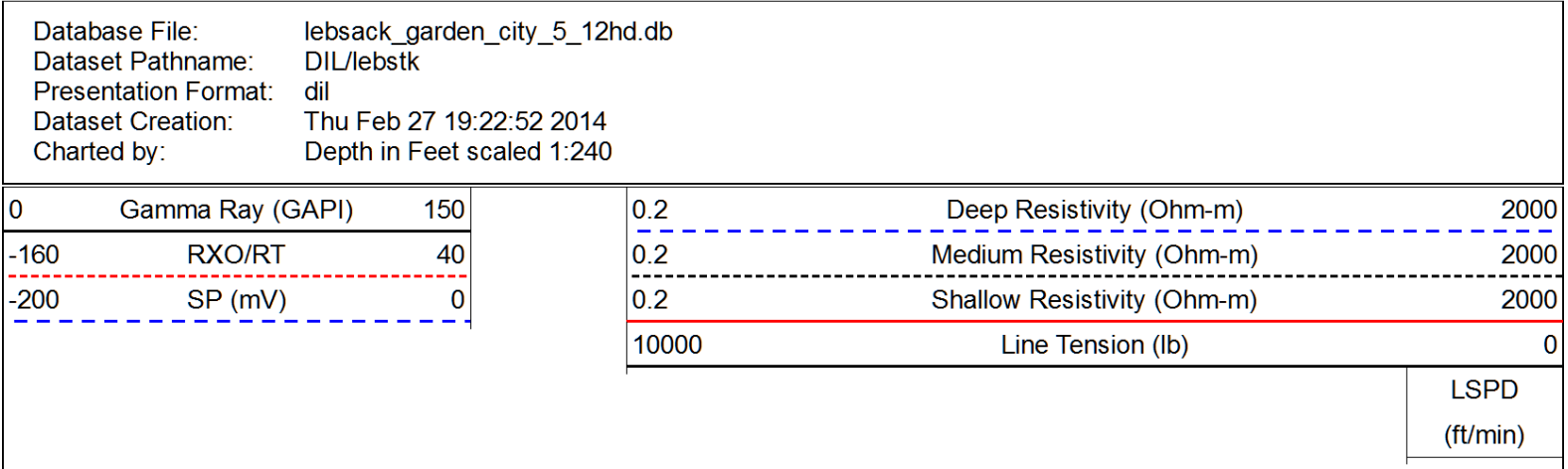
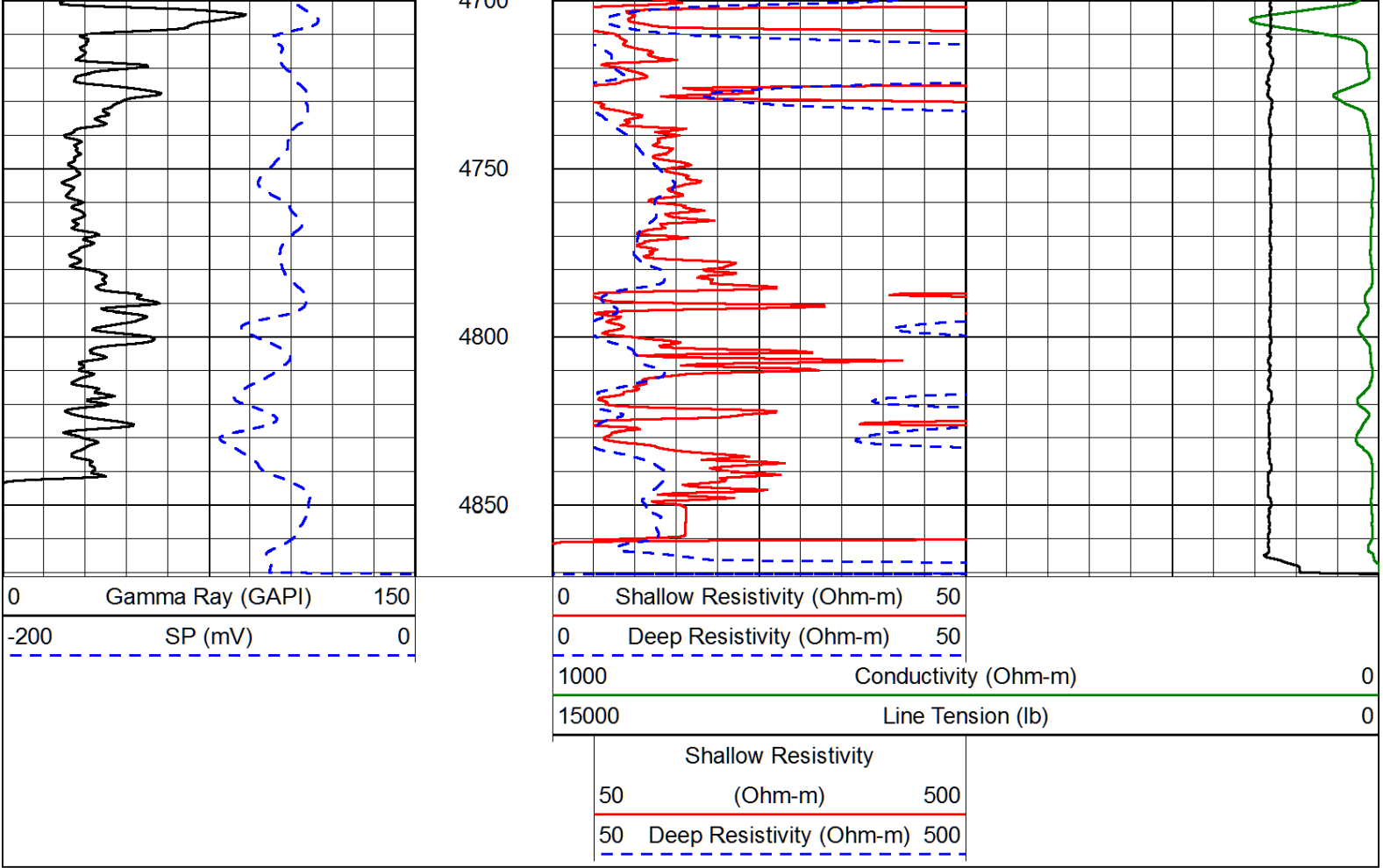


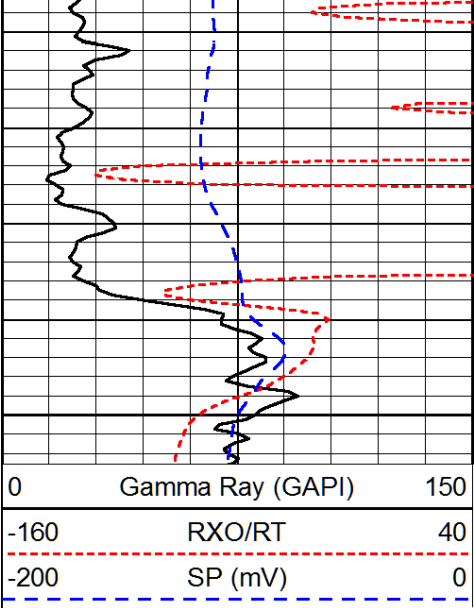


3600
3650
3700
3750
3800
3850
3900
3950
4000
4050
4100
4150

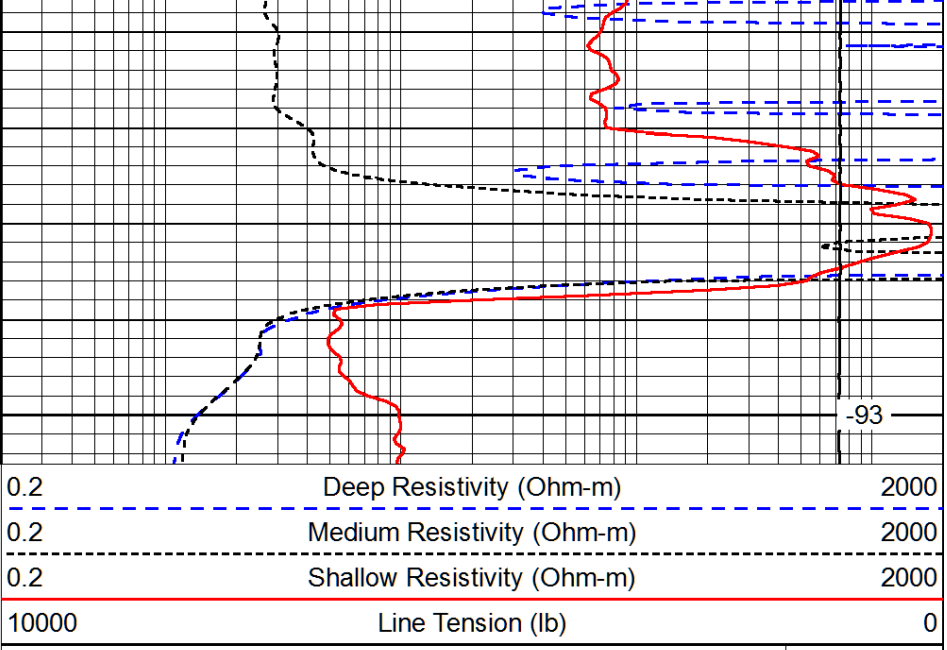








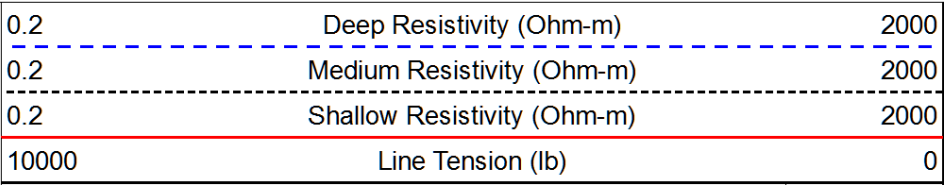
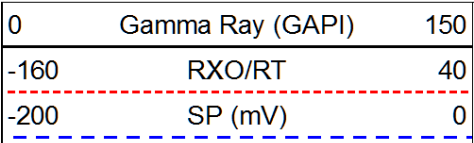
2050



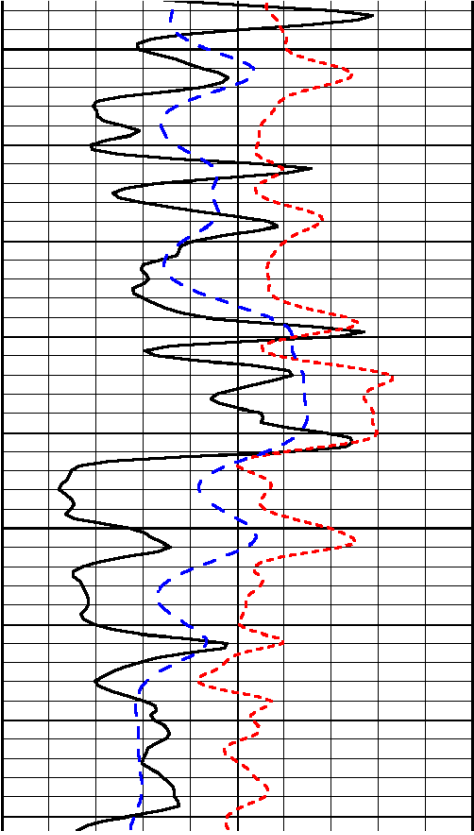
-93

LSPD
(ft/min)

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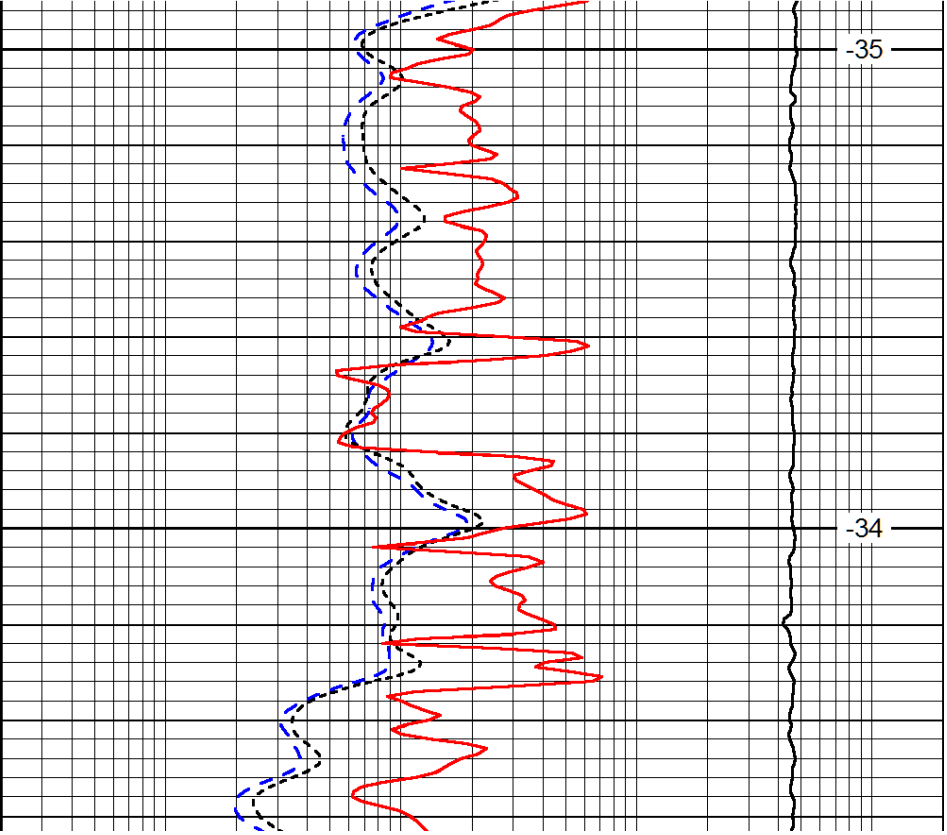


LSPD
(ft/min)



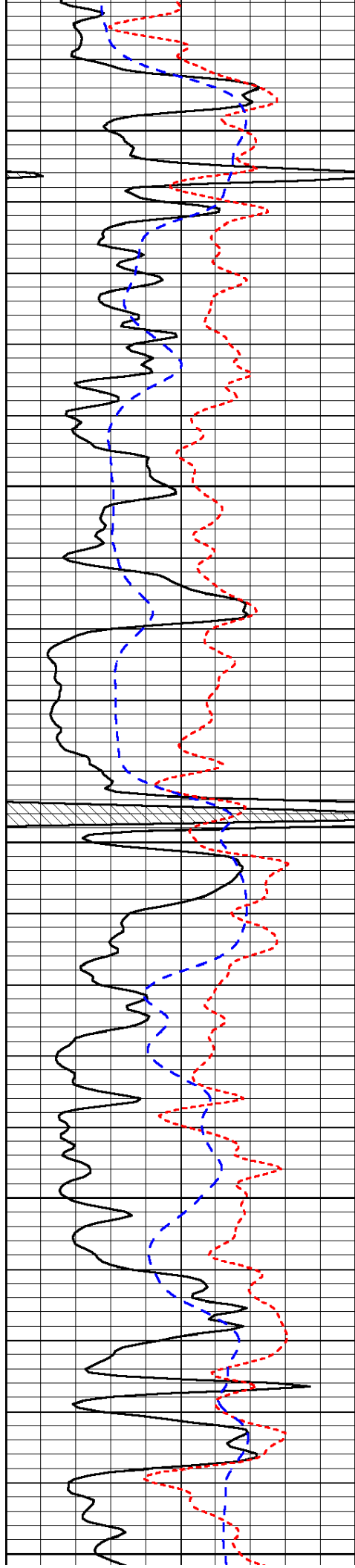
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3650



-35

-34



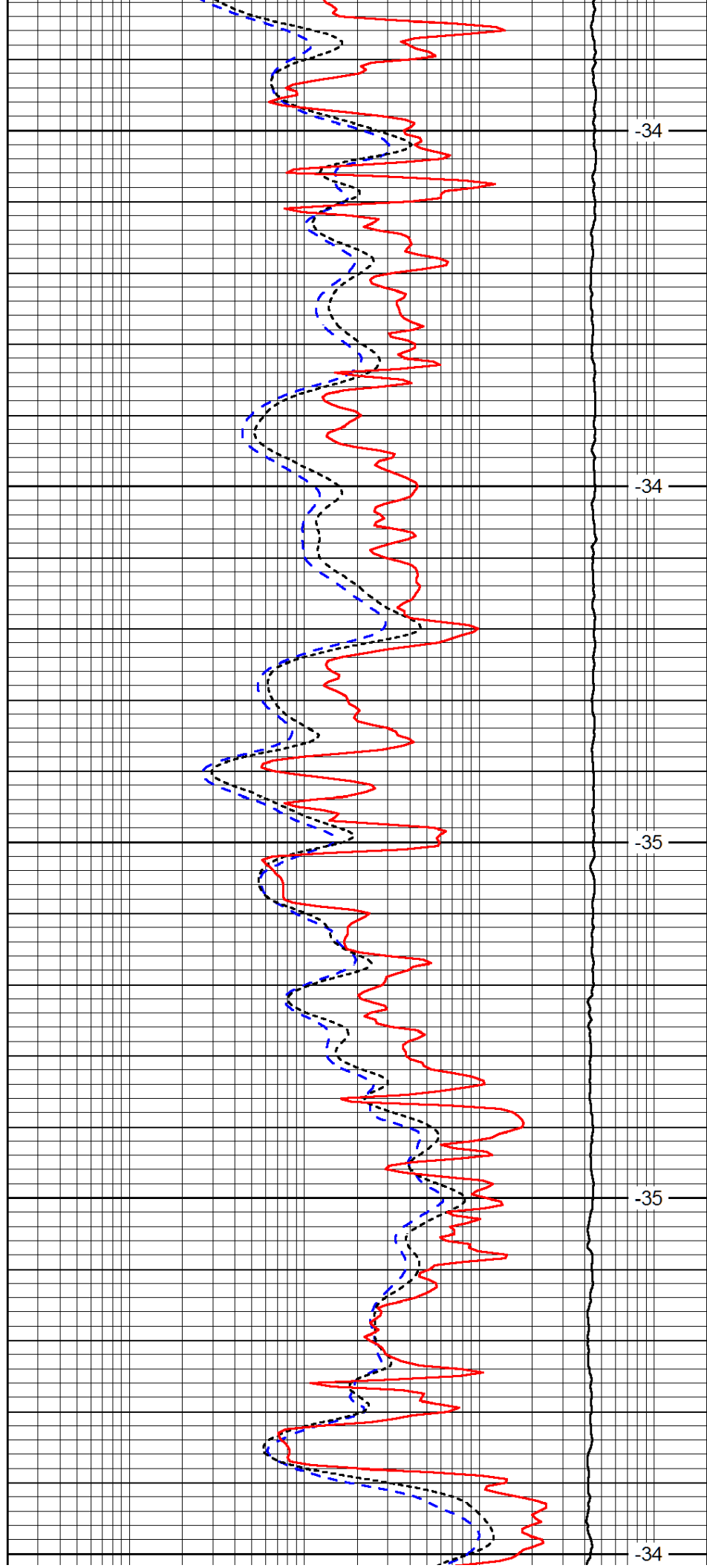
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3750

3800

3850

3900



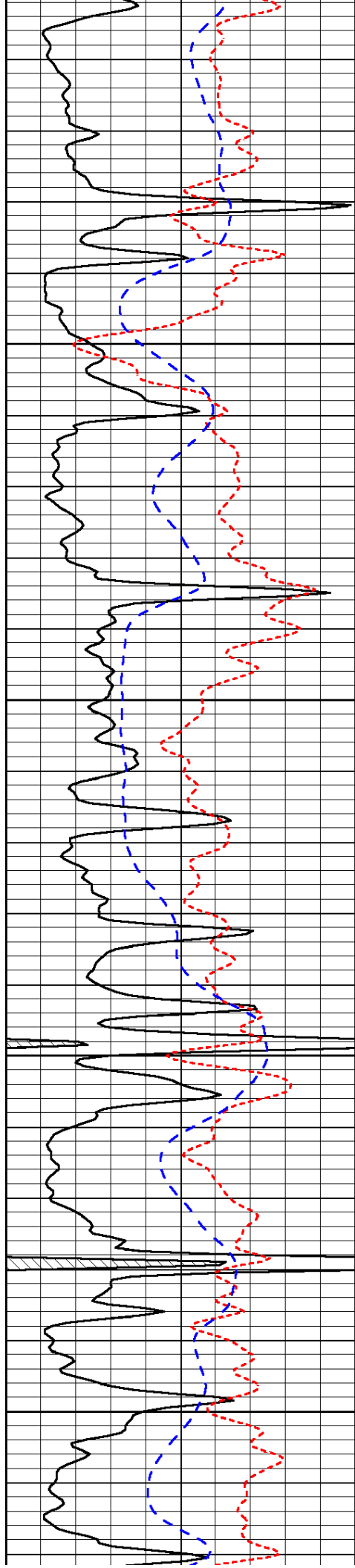
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-34

-35

-35

-34

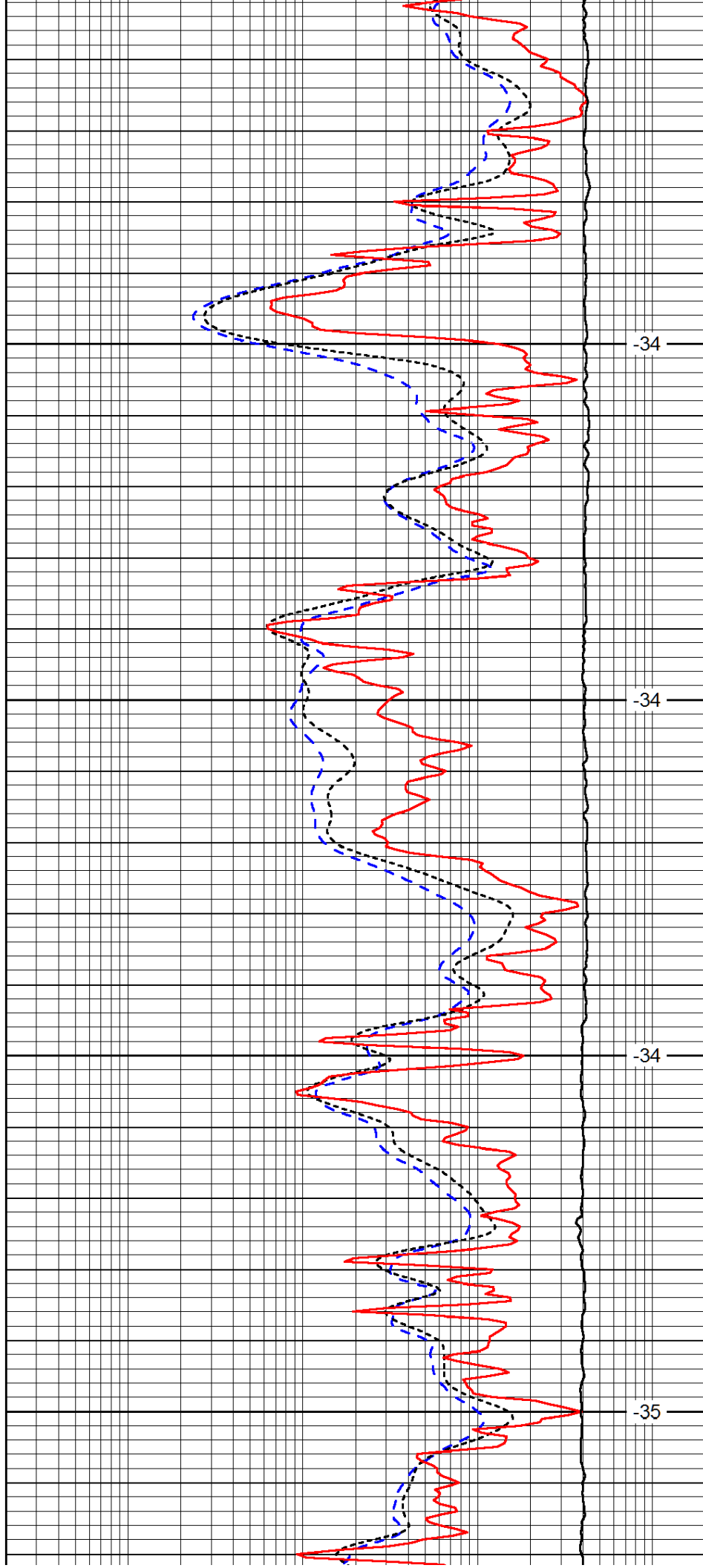


3950

4000

4050

4100

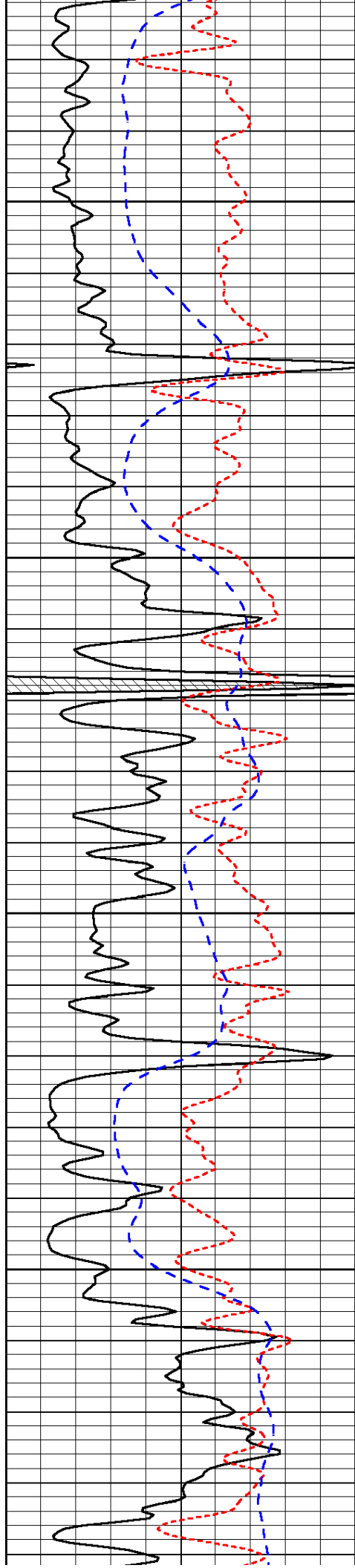


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-34

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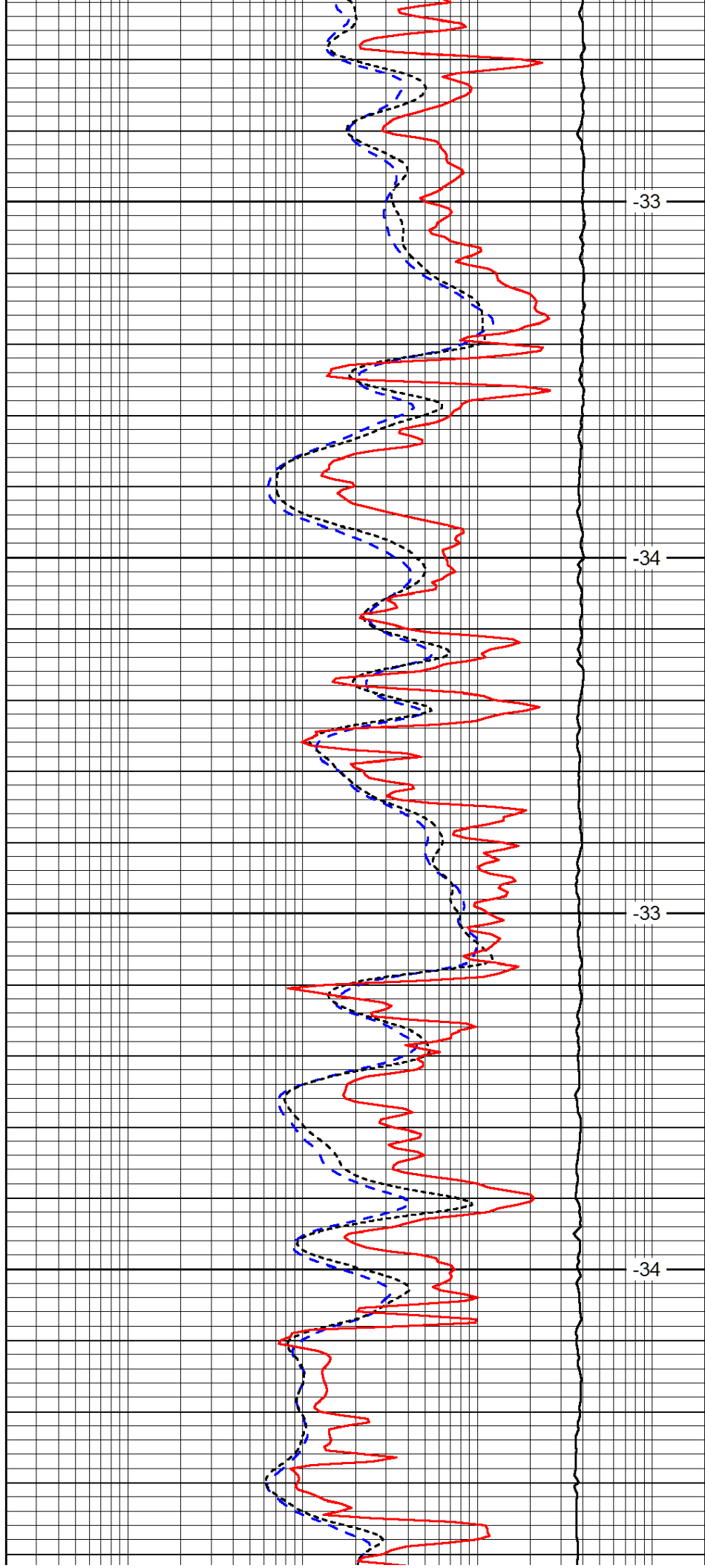


4150

4200

4250

4300

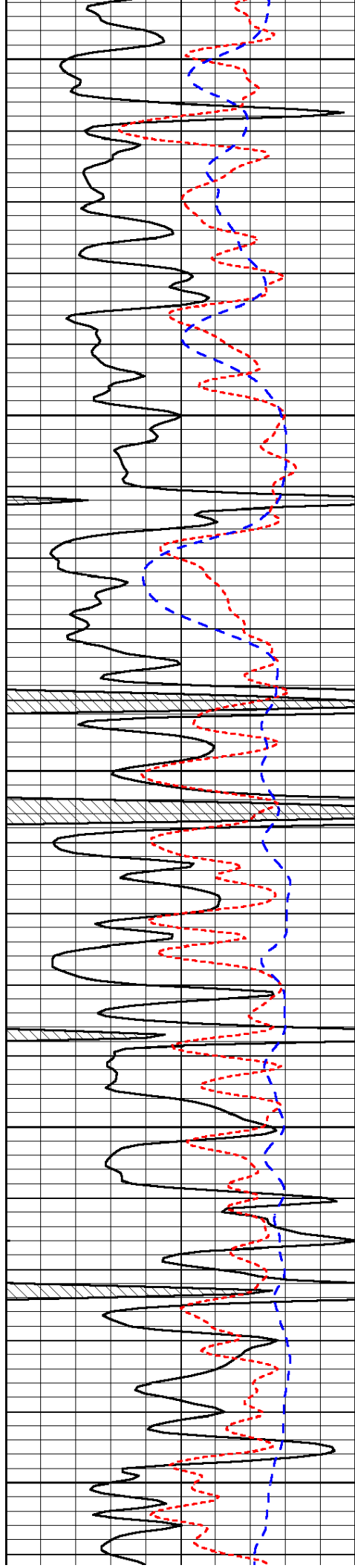


-33

-34

-33

-34



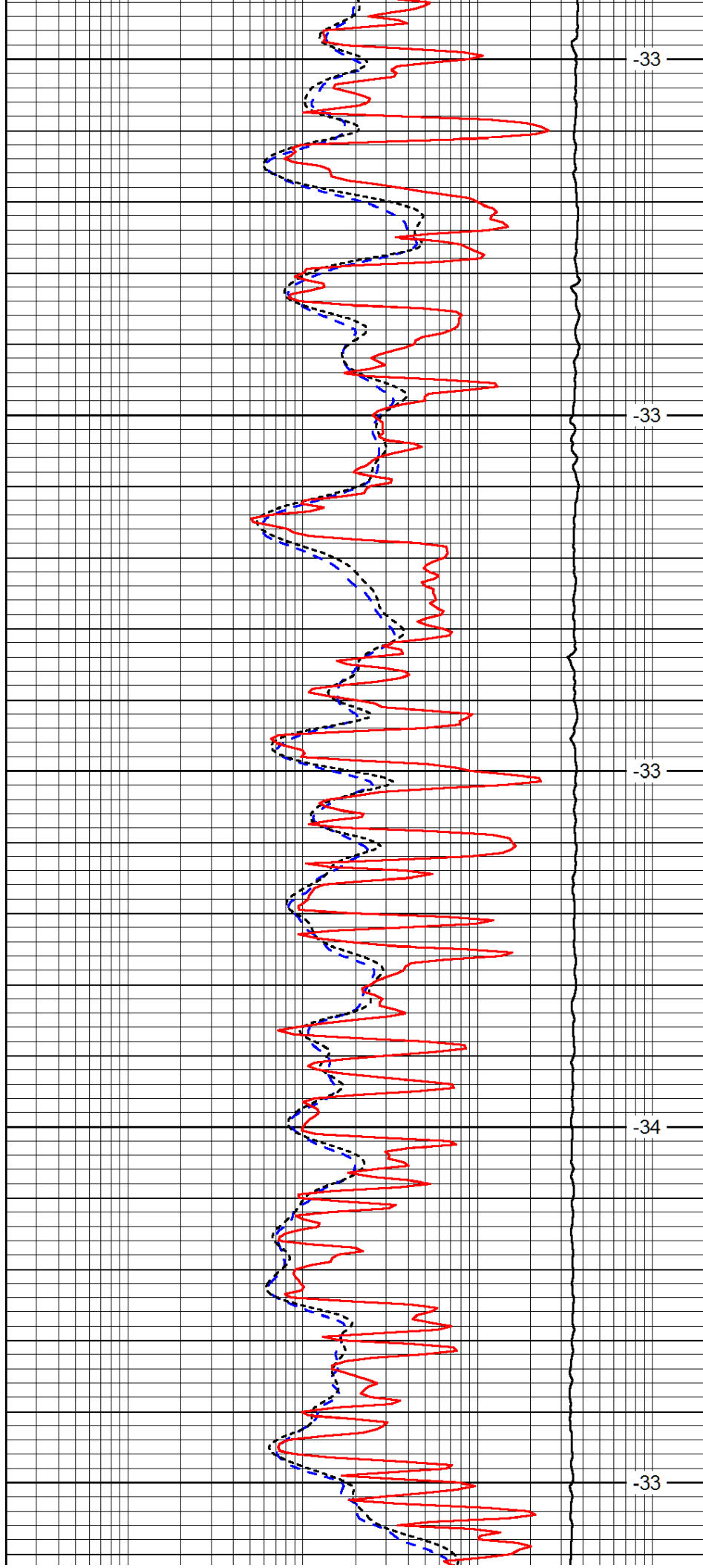
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4400

4450

4500

4550



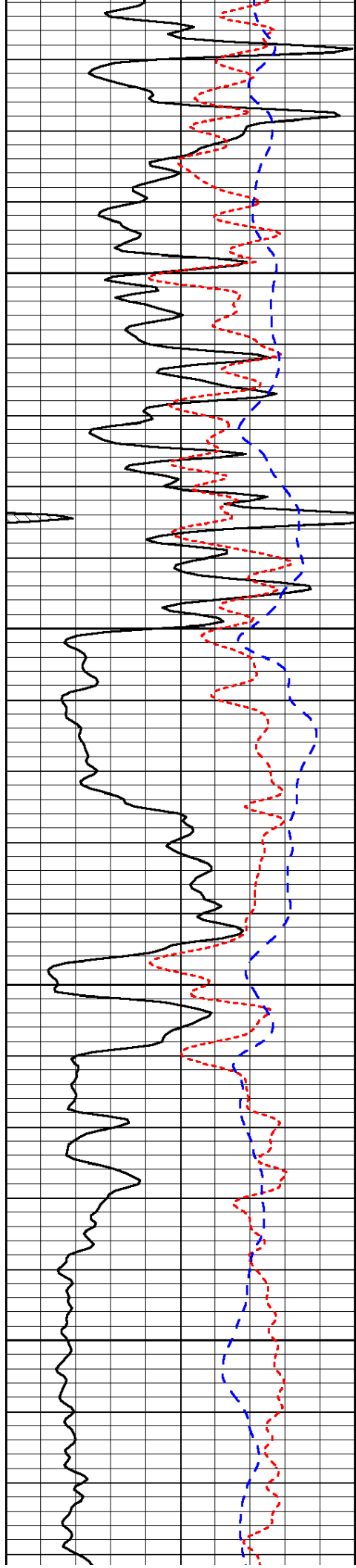
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-33

-33

-34

-33

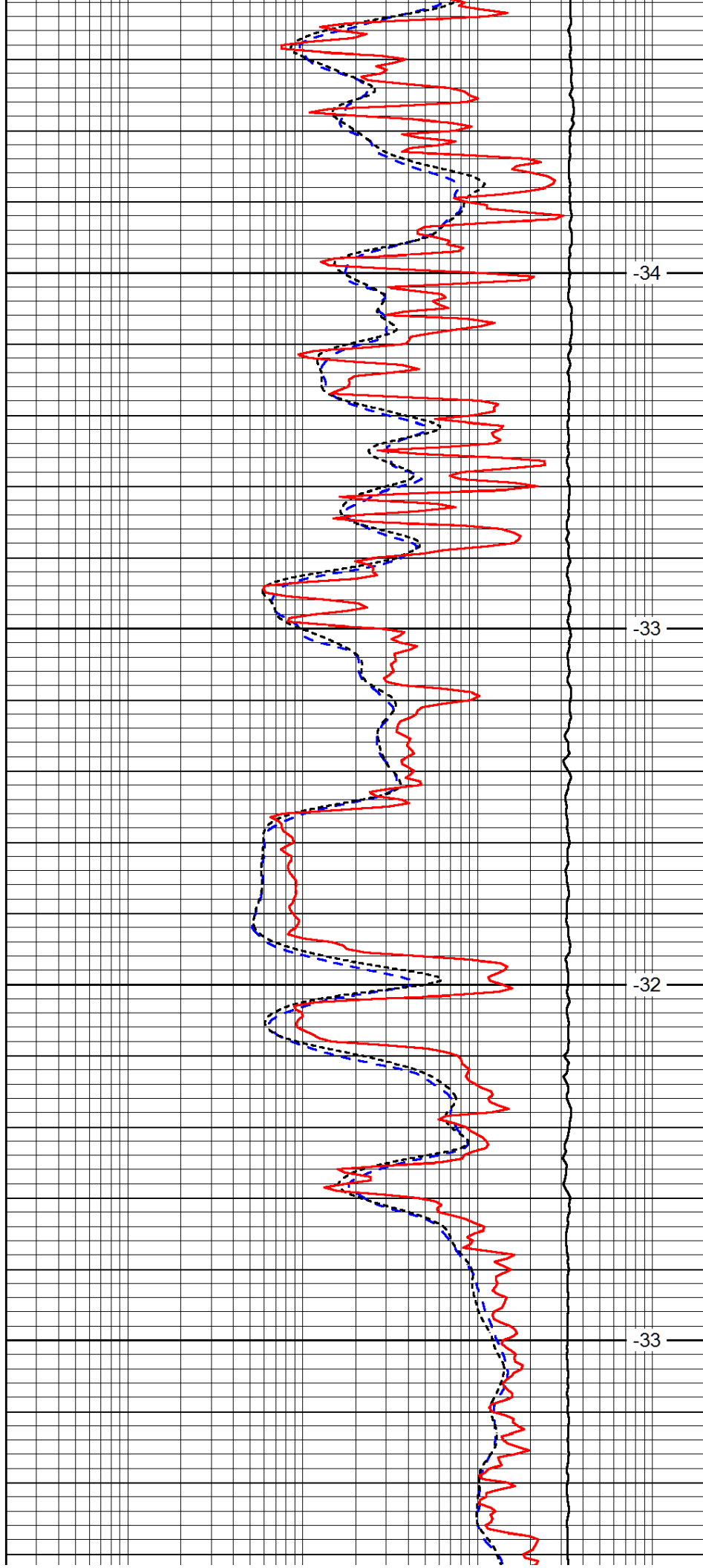


4600

4650

4700

4750

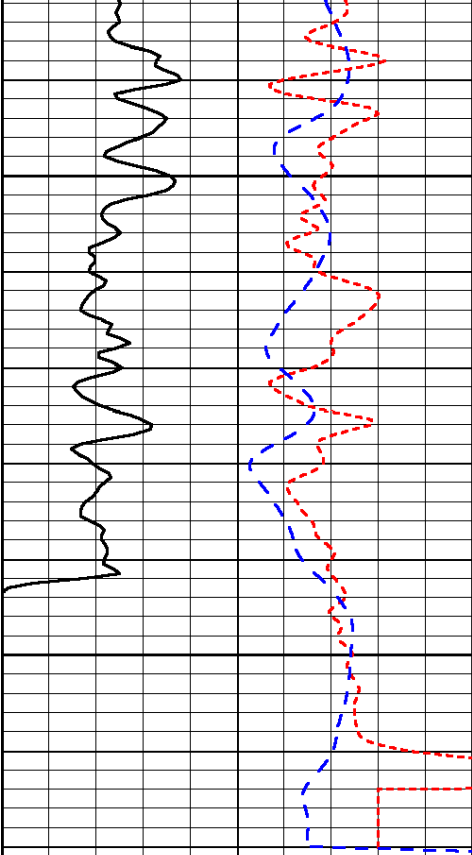


-34

-33

-32

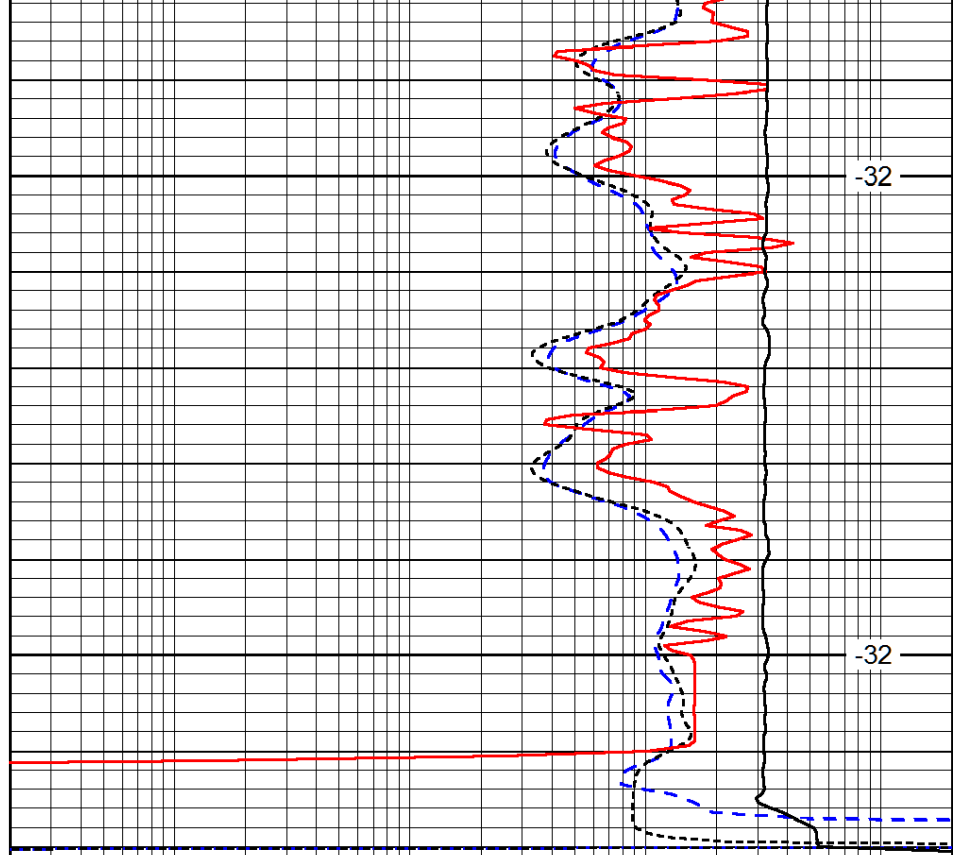
-33



0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

4800

4850



0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD
(ft/min)