



Pioneer Energy Services

Dual Induction Log

API No.

15-007-23,989-00-00

Company R&B Oil & Gas, Inc.

Well Colborn "B" #1

Field Wildcat

County Barber State Kansas

Location SE NE NW
990' FNL & 2310' FWL

Other Services
CNL/CDL

Sec: 23 Twp: 33 S Rge: 12 W

Permanent Datum Ground Level Elevation 1457
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1467
D.F. 1457
G.L. 1457

Date

3/13/2013

Run Number

One

Depth Driller

5042

Depth Logger

5050

Bottom Logged Interval

5049

Top Log Interval

250

Casing Driller

8.625 @ 266

Casing Logger

259

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

9500

Density / Viscosity

9.5 45

pH / Fluid Loss

9.0 12.4

Source of Sample

Flowline

Rm @ Meas. Temp

.35 @ 64

Rmf @ Meas. Temp

.26 @ 64

Rmc @ Meas. Temp

.47 @ 64

Source of Rmf / Rmc

Charts

Rm @ BHT

.18 @ 126

Operating Rig Time

2 1/2 Hours

Max Rec. Temp. F

126

Equipment Number

15

Location

Hays

Recorded By

D. Kerr

Witnessed By

Tim Pierce

<<< 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 Log-Tech, Inc.
(785) 625-3858

Medicine Lodge KS, 7 1/2 South to Hardtner Shortcut RD,
3/4 West, South through Gate, East/South Into

Database File: r&b_colborn_b_1hd.db

Dataset Pathname: DIL/rbstk

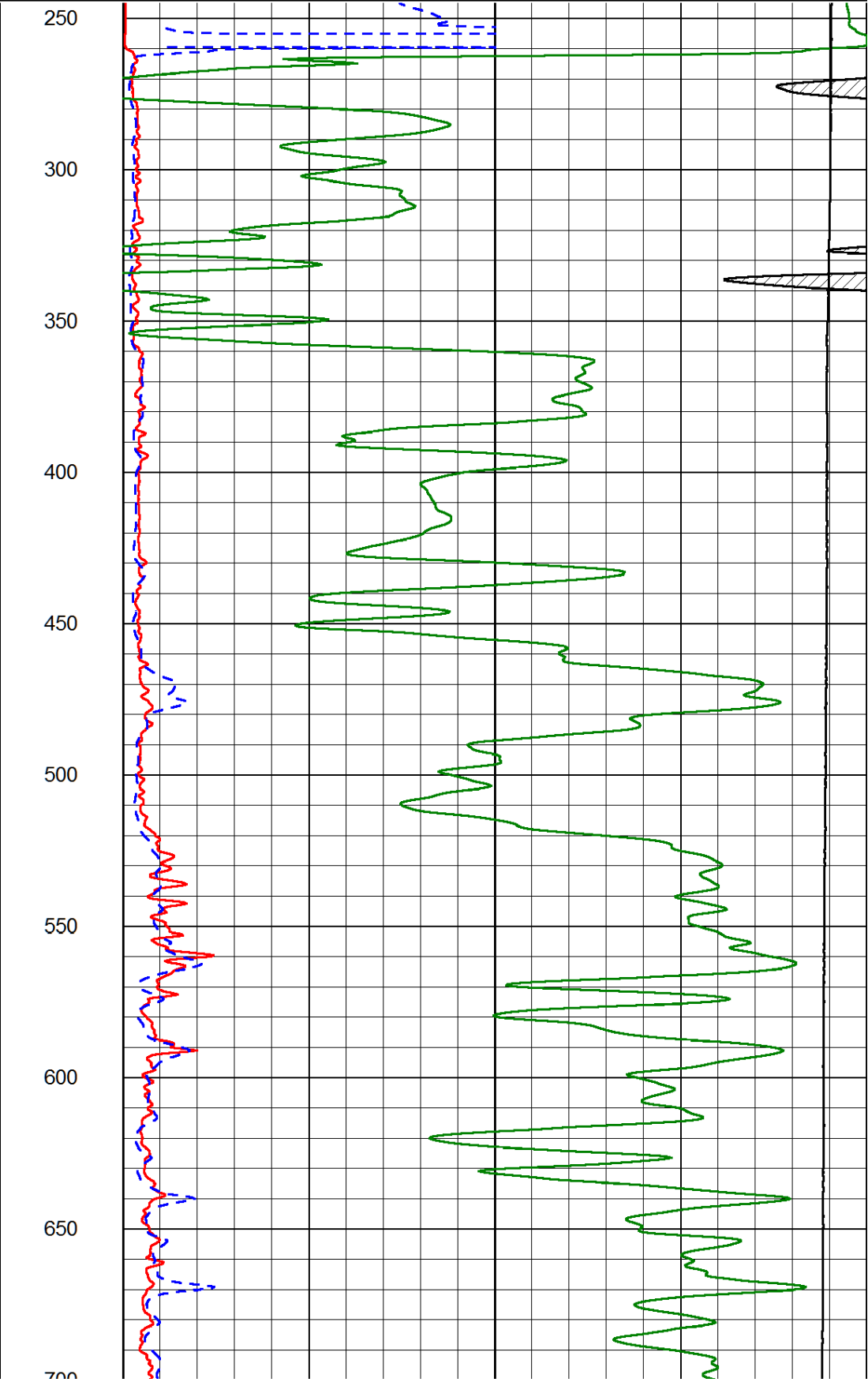
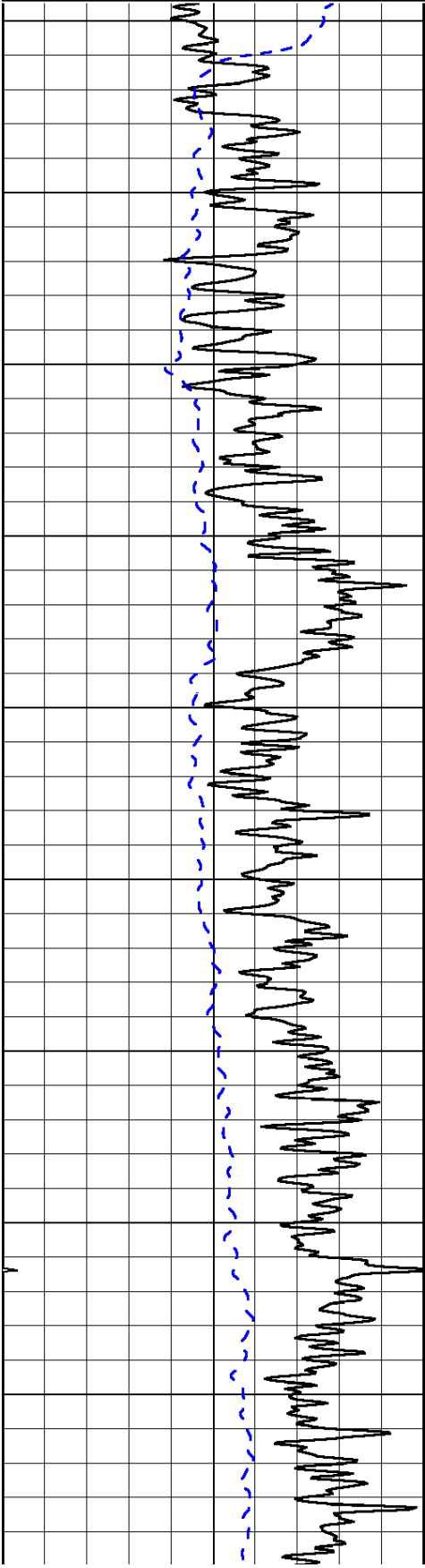
Presentation Format: dil2in

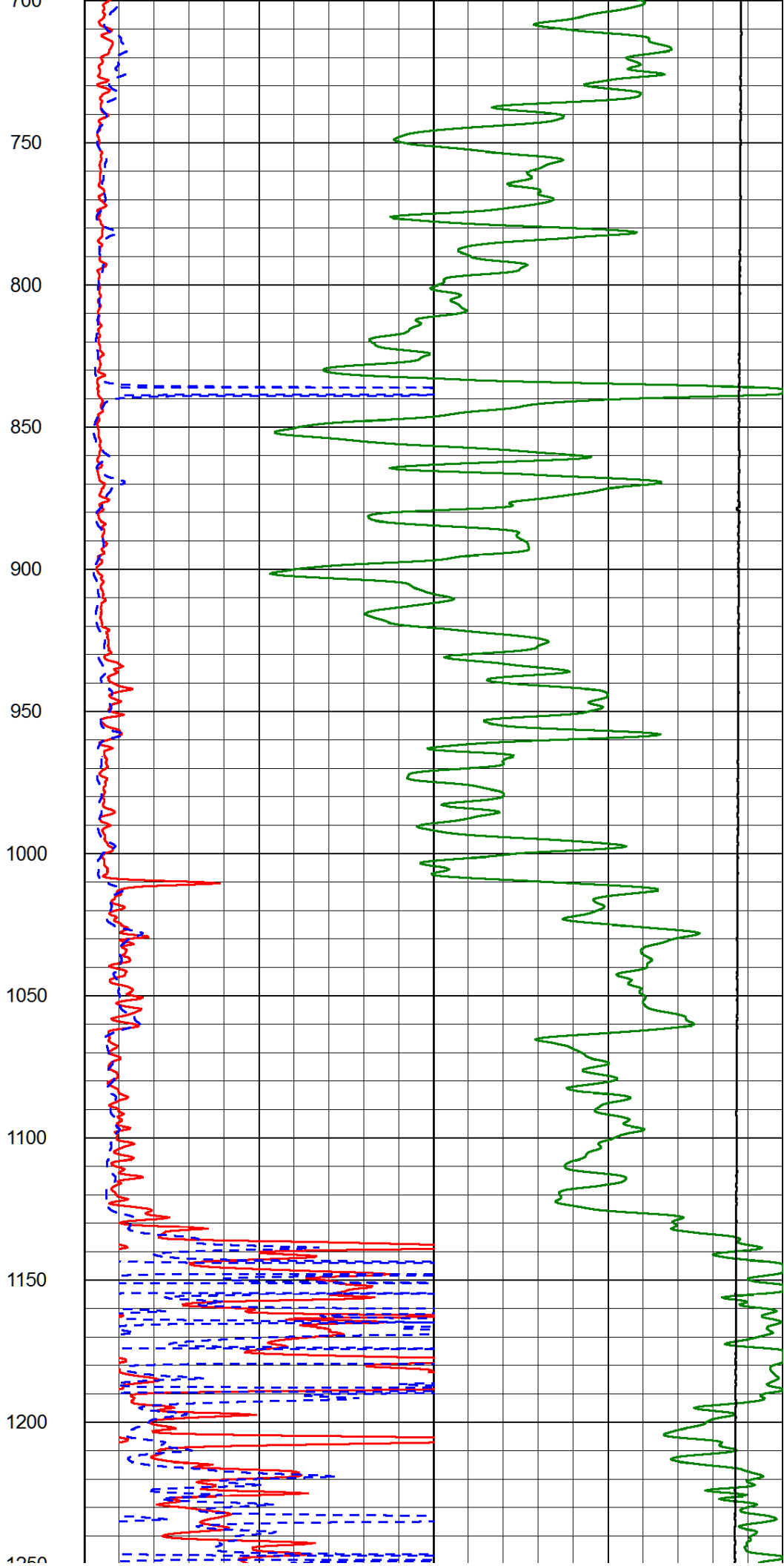
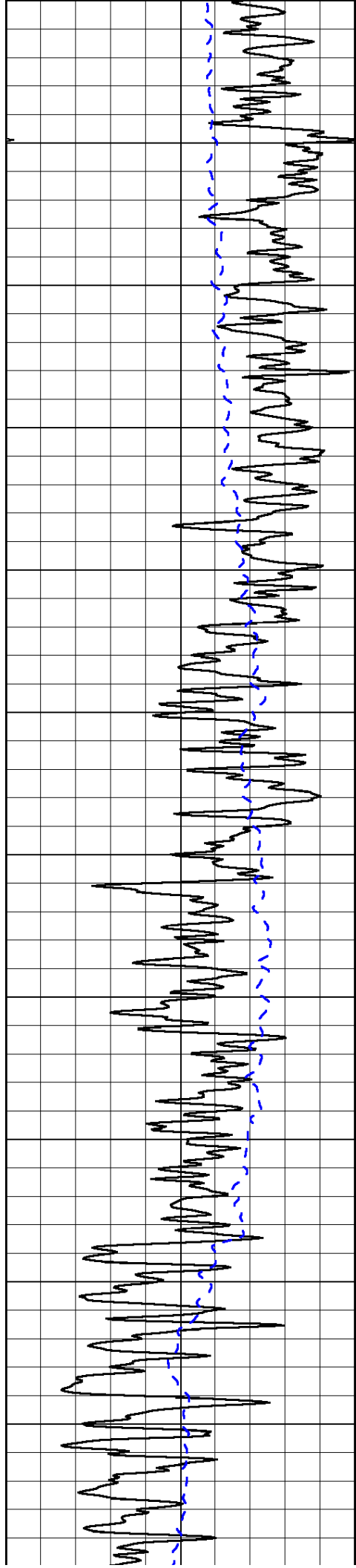
Dataset Creation: Wed Mar 13 08:52:49 2013

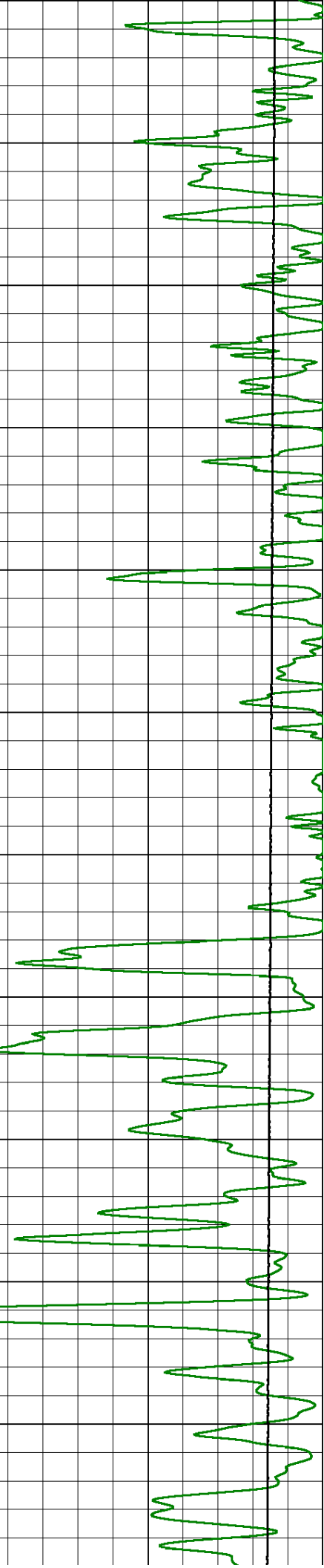
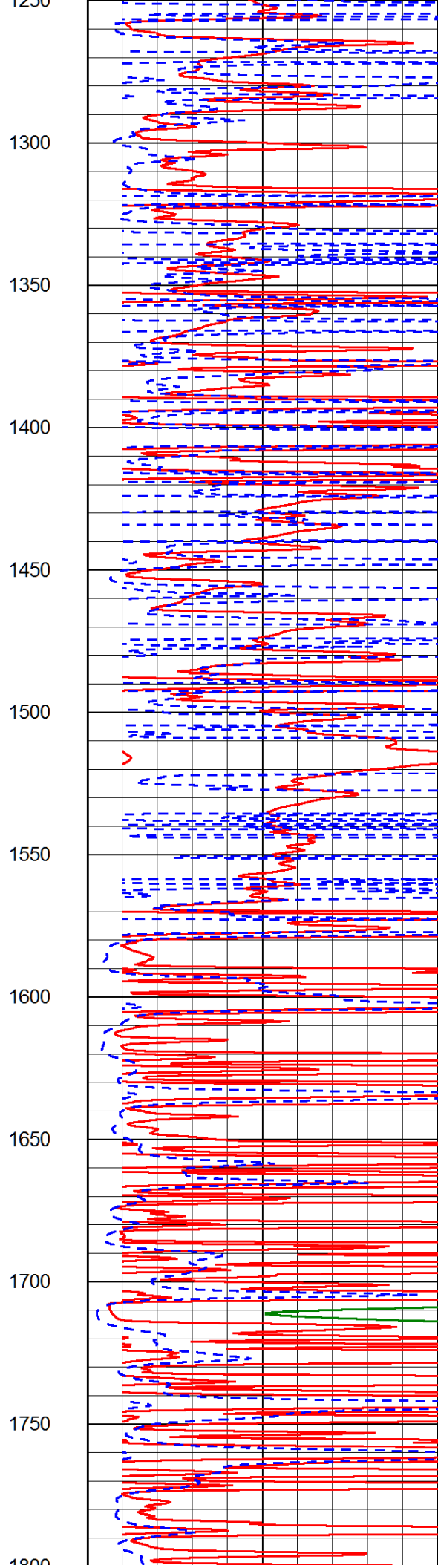
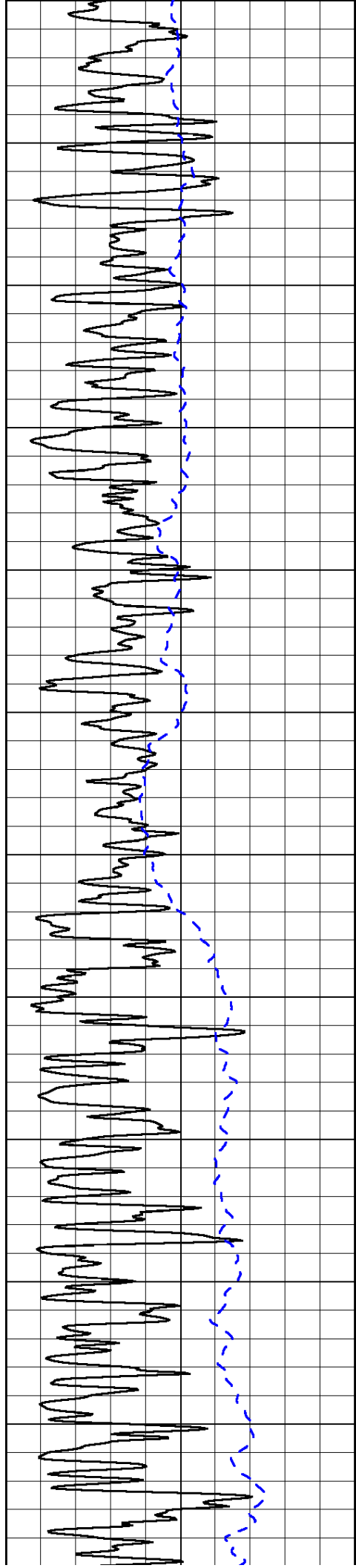
Charted by: Depth in Feet scaled 1:600

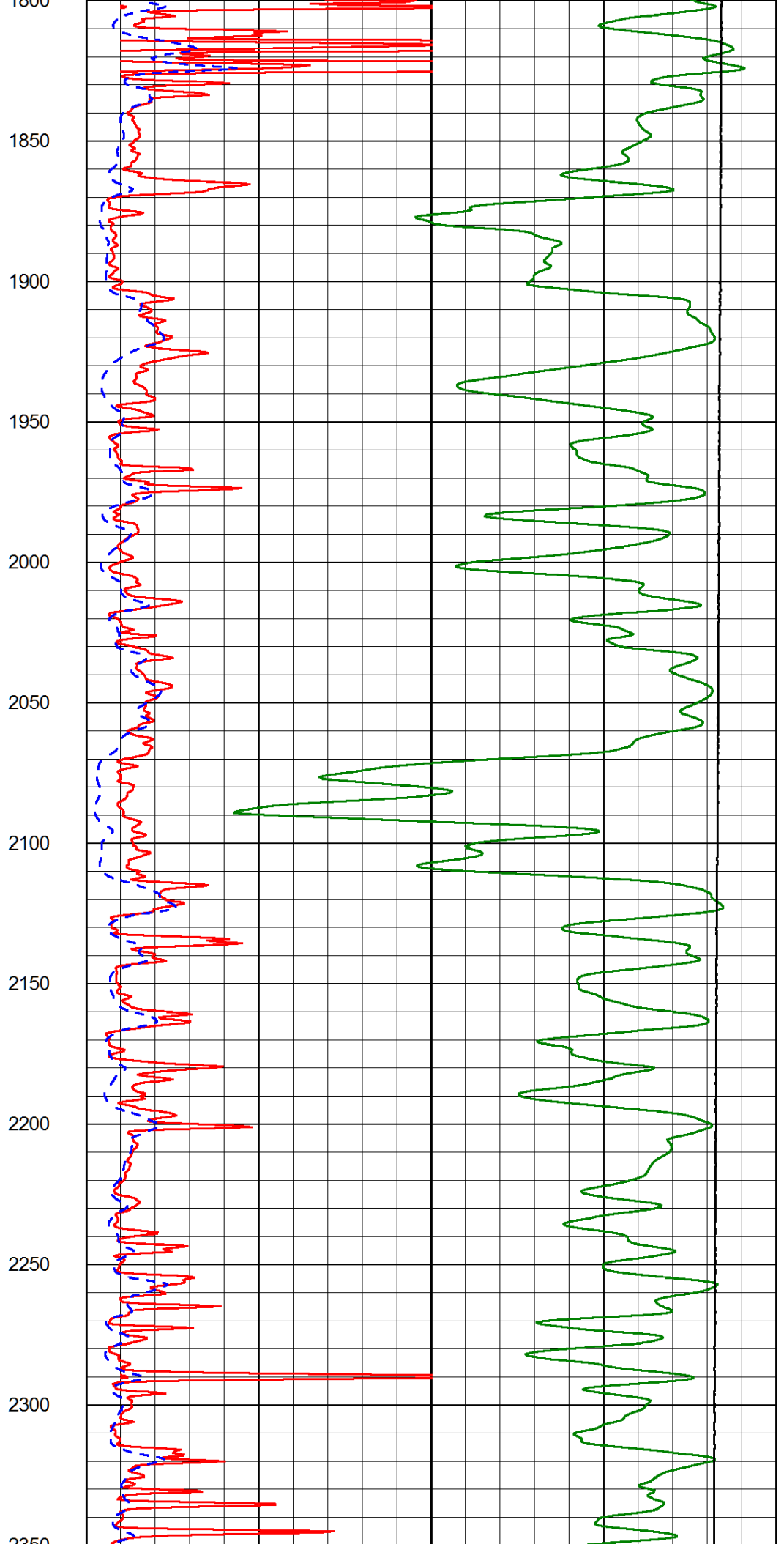
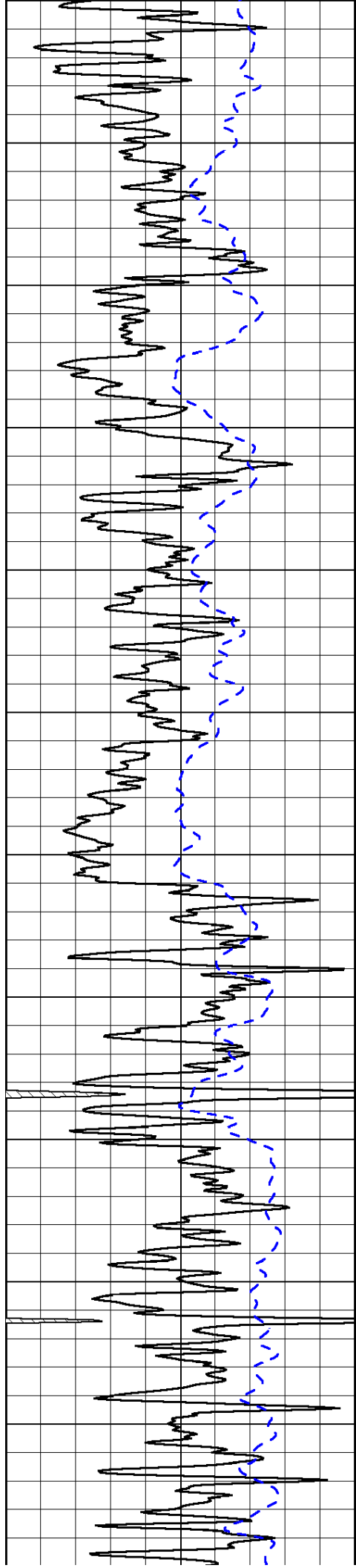
0	Gamma Ray (GAPI)	150
-200	SP (mV)	0

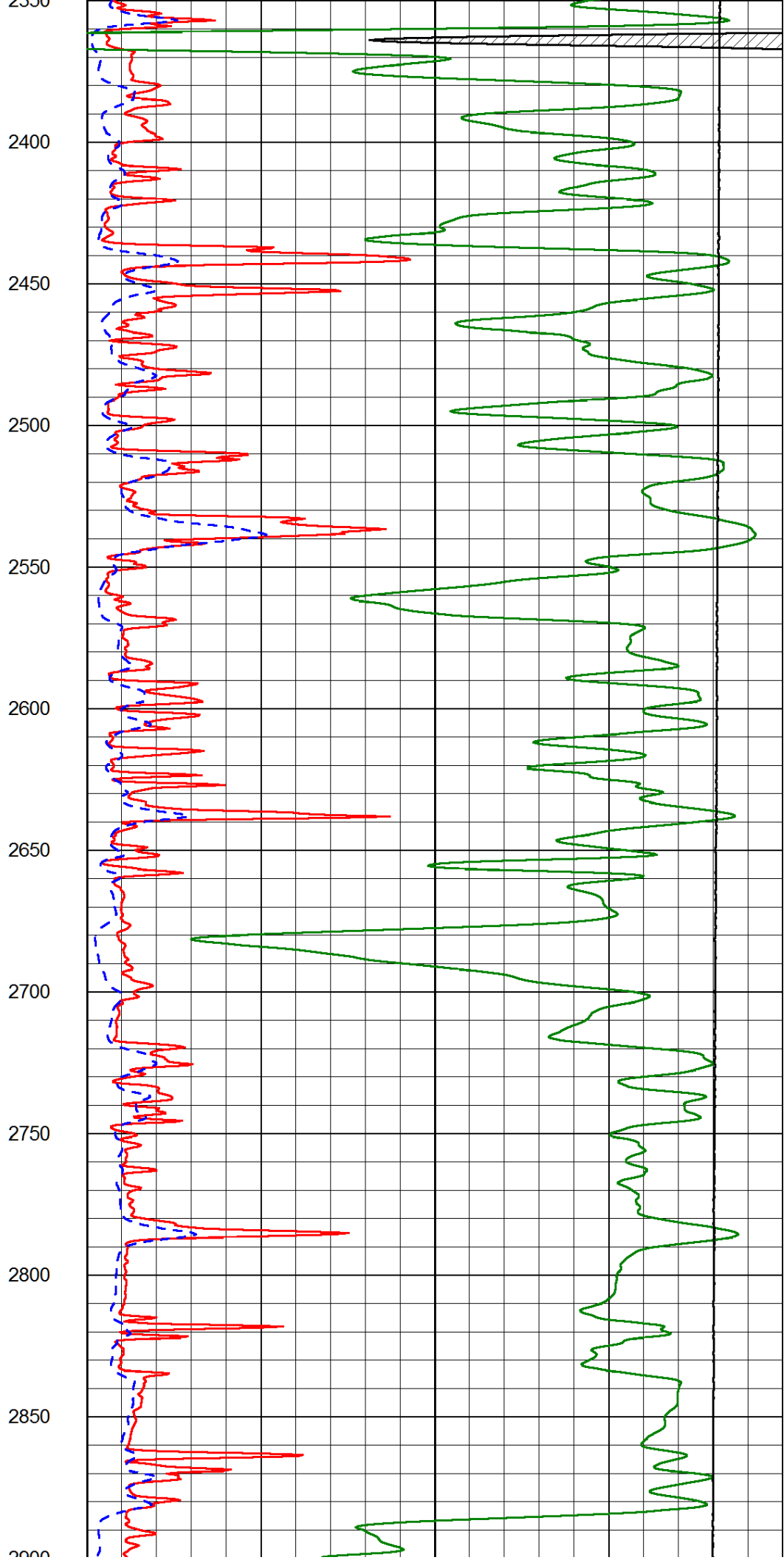
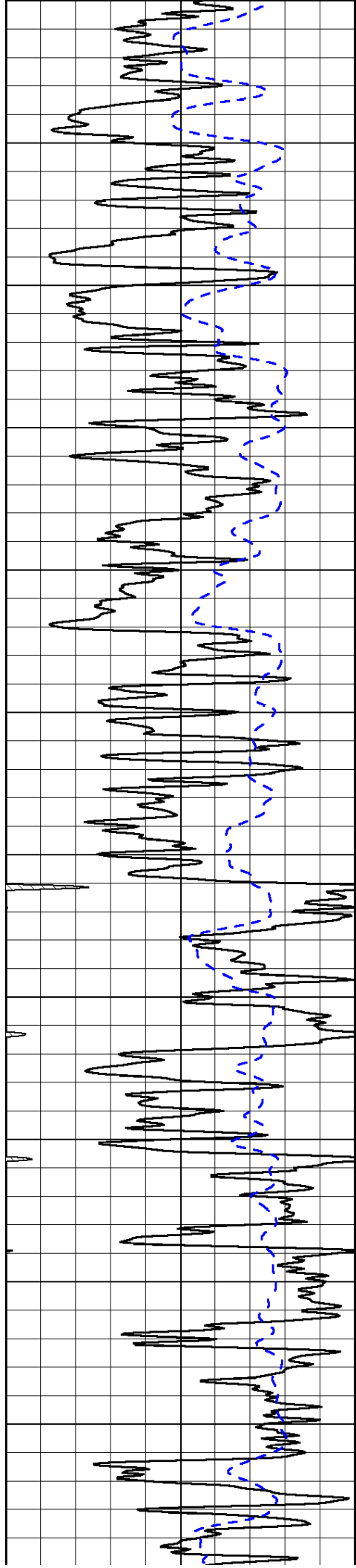
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (Ohm-m)	0
15000	Line Tension (lb)	0
Shallow Resistivity		
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

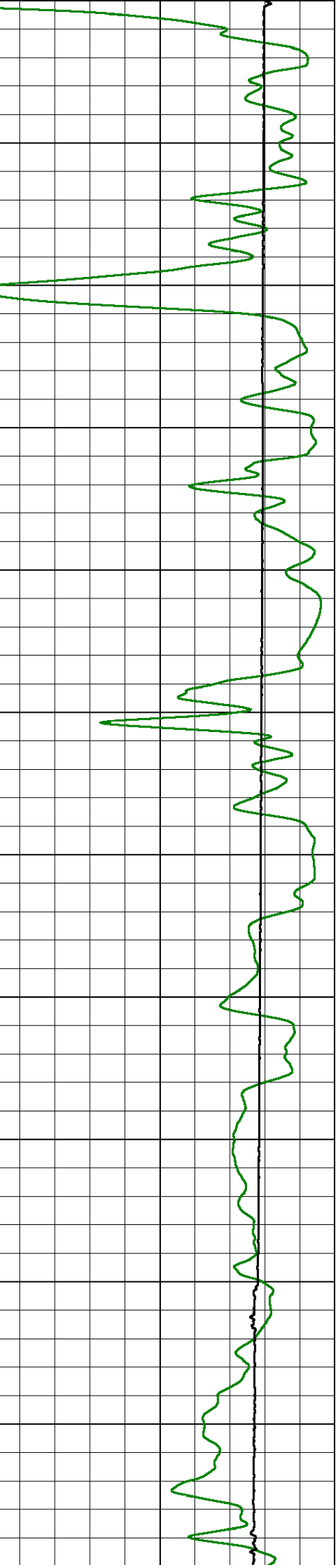
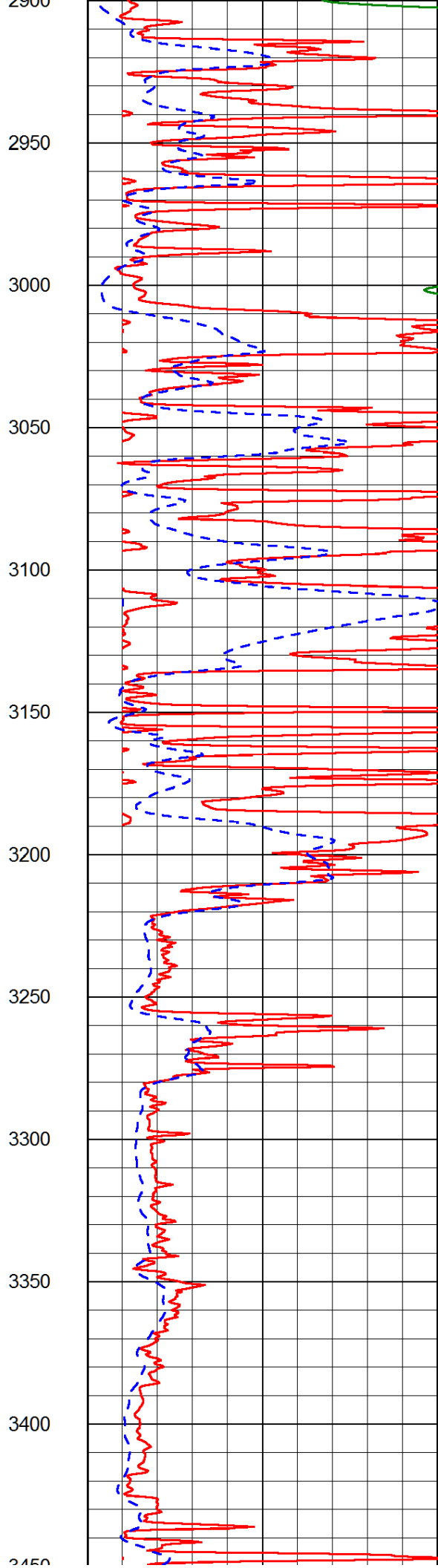
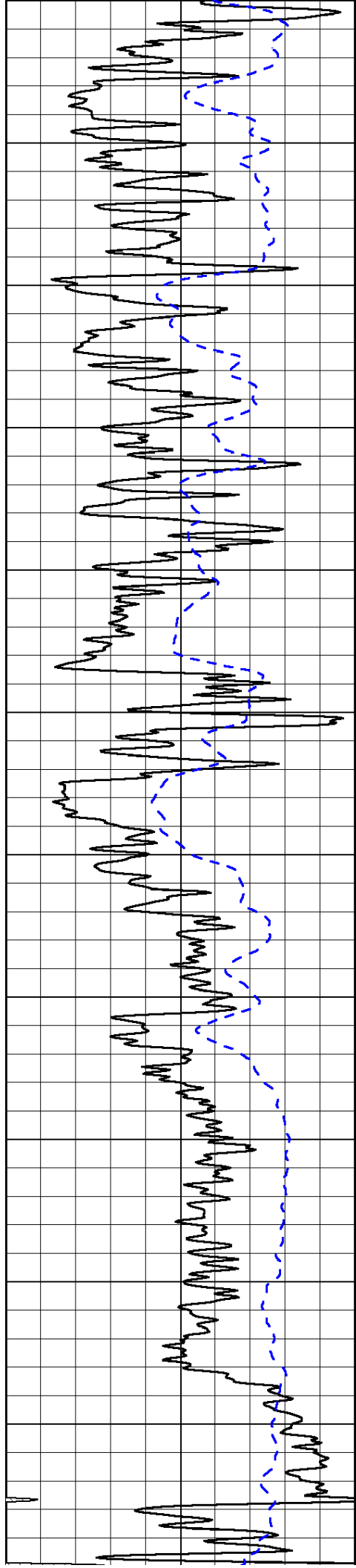


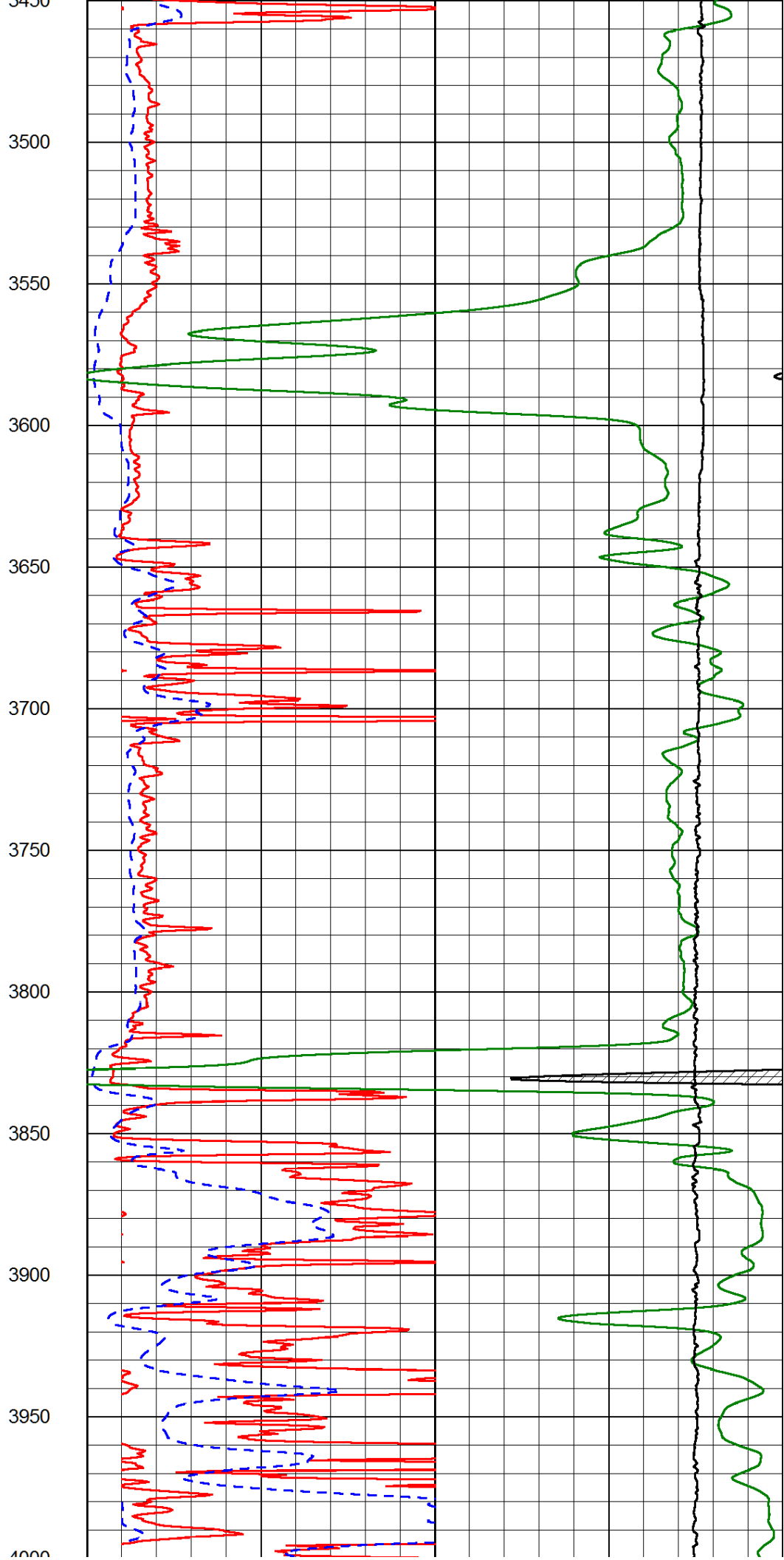
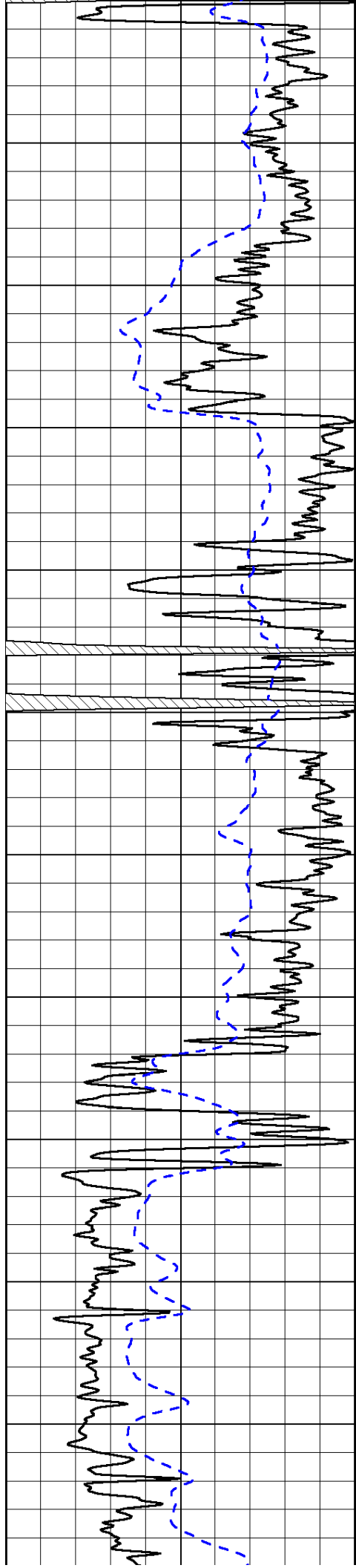


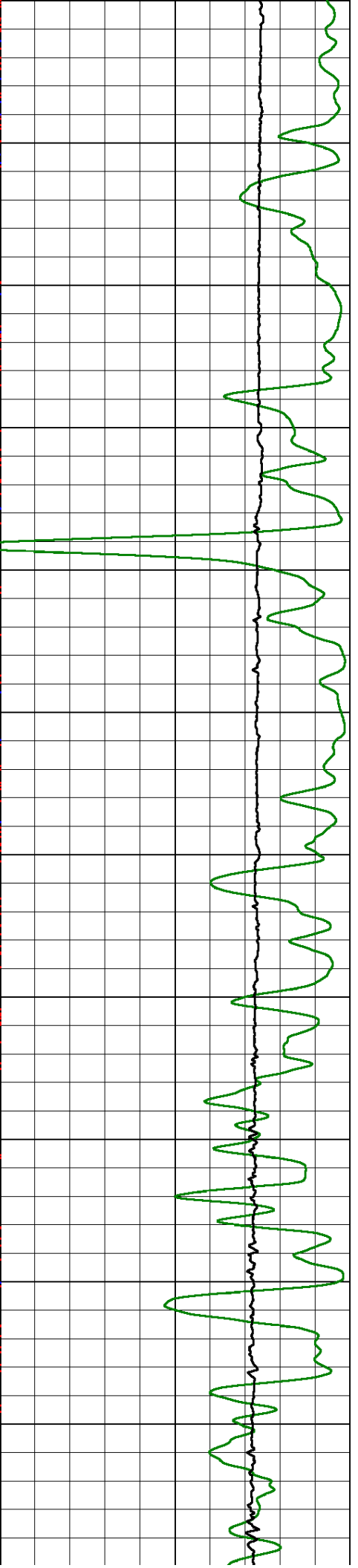
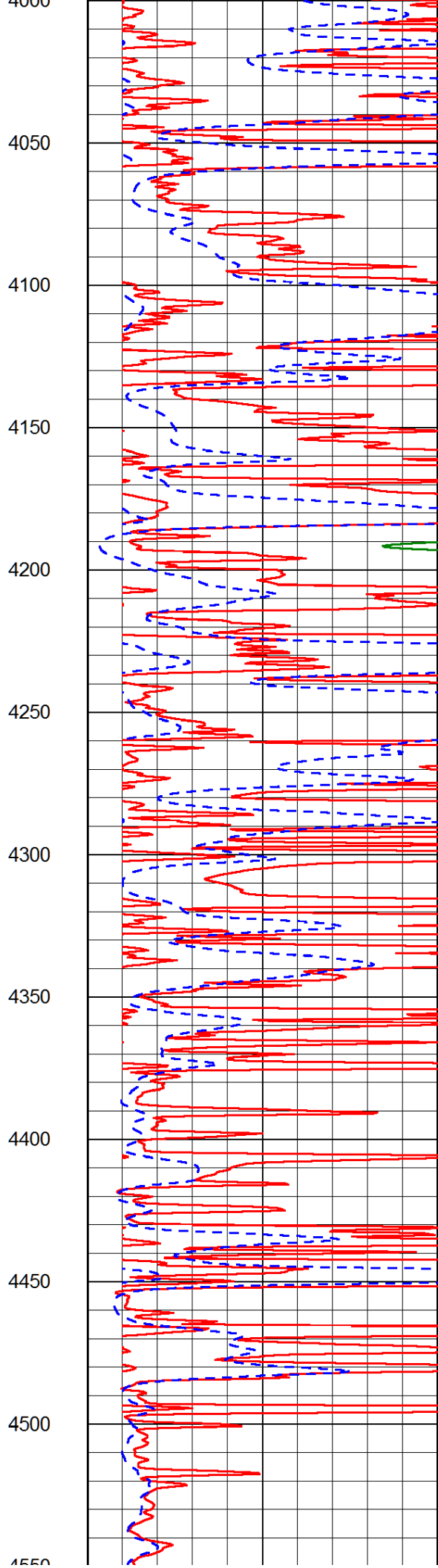
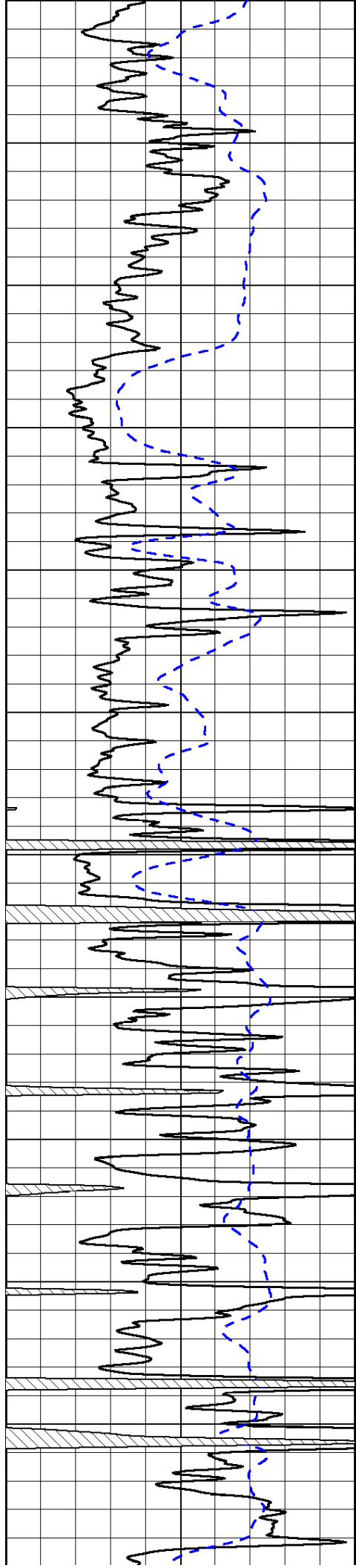


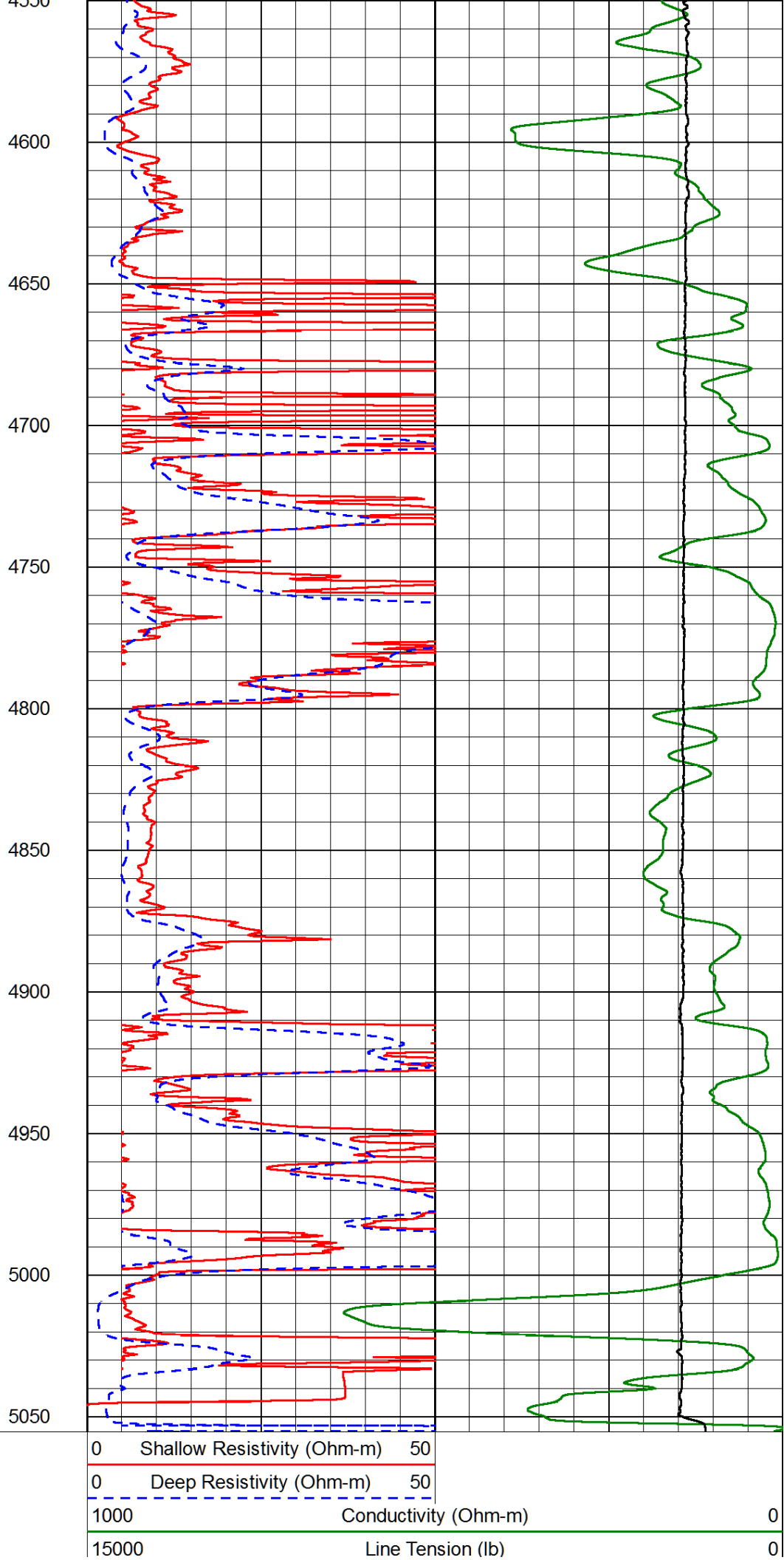
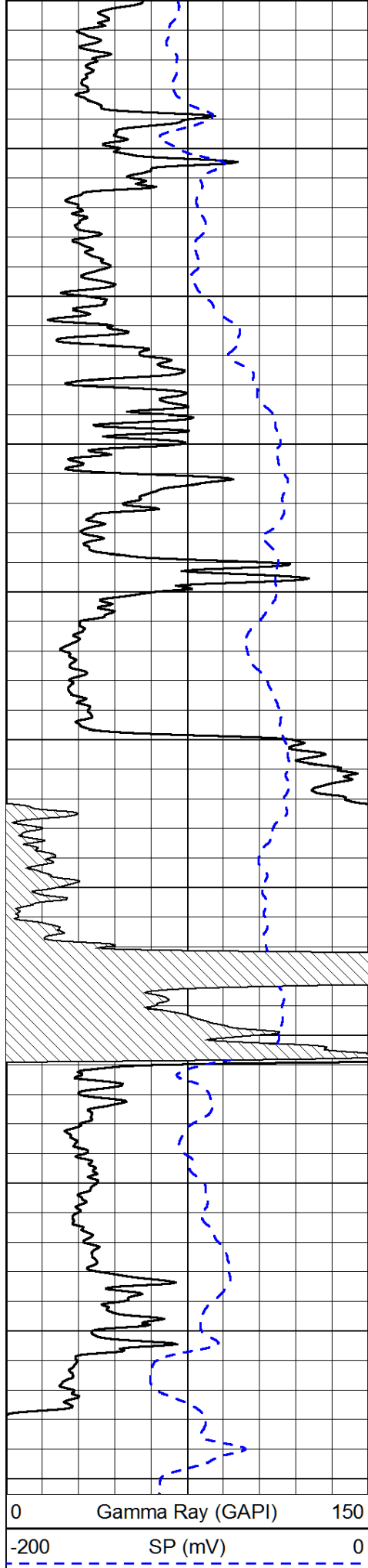












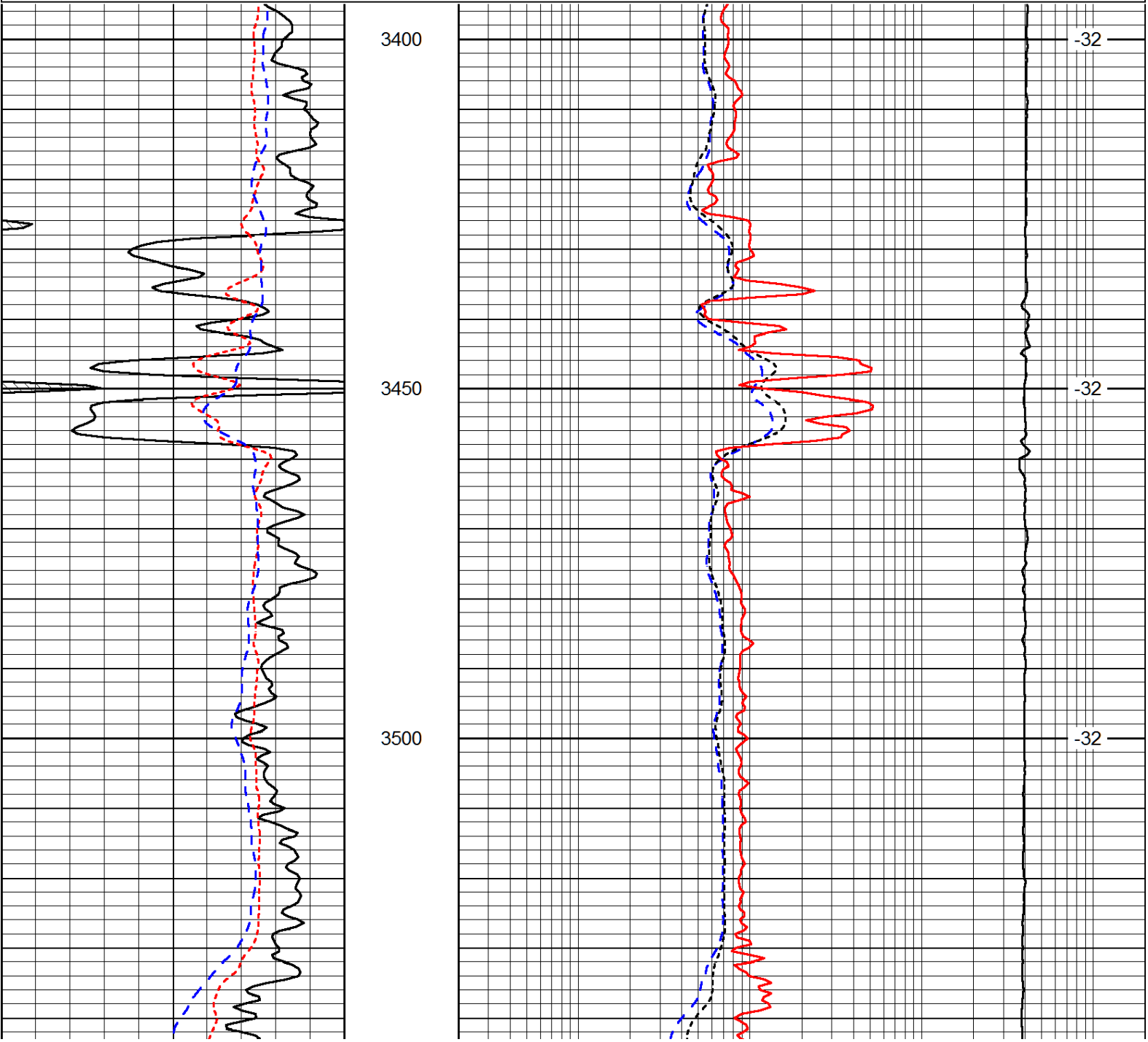
Shallow Resistivity		
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

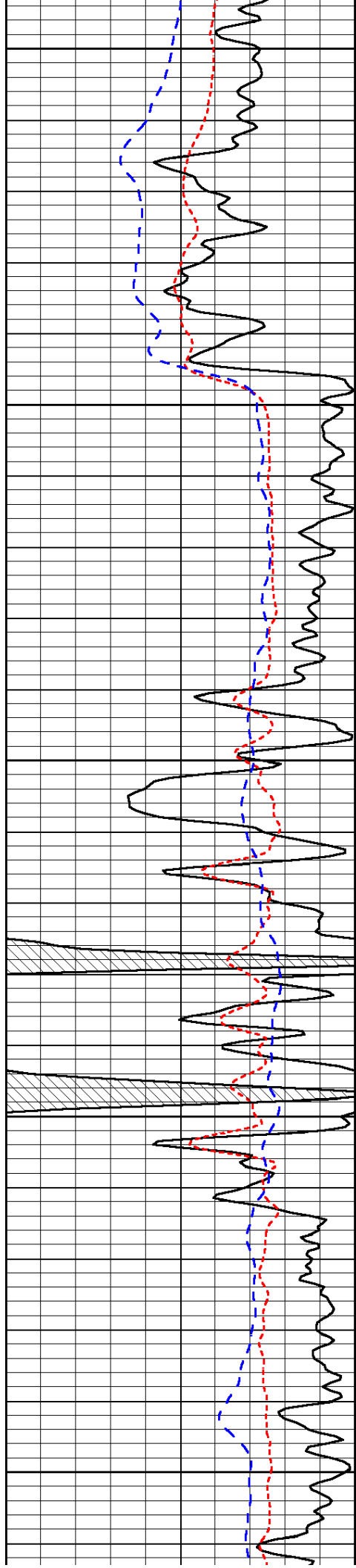
Database File: r&b_colborn_b_1hd.db		
Dataset Pathname: DIL/rbstk		
Presentation Format: dil		
Dataset Creation: Wed Mar 13 08:52:49 2013		
Charted by: Depth in Feet scaled 1:240		

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

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)





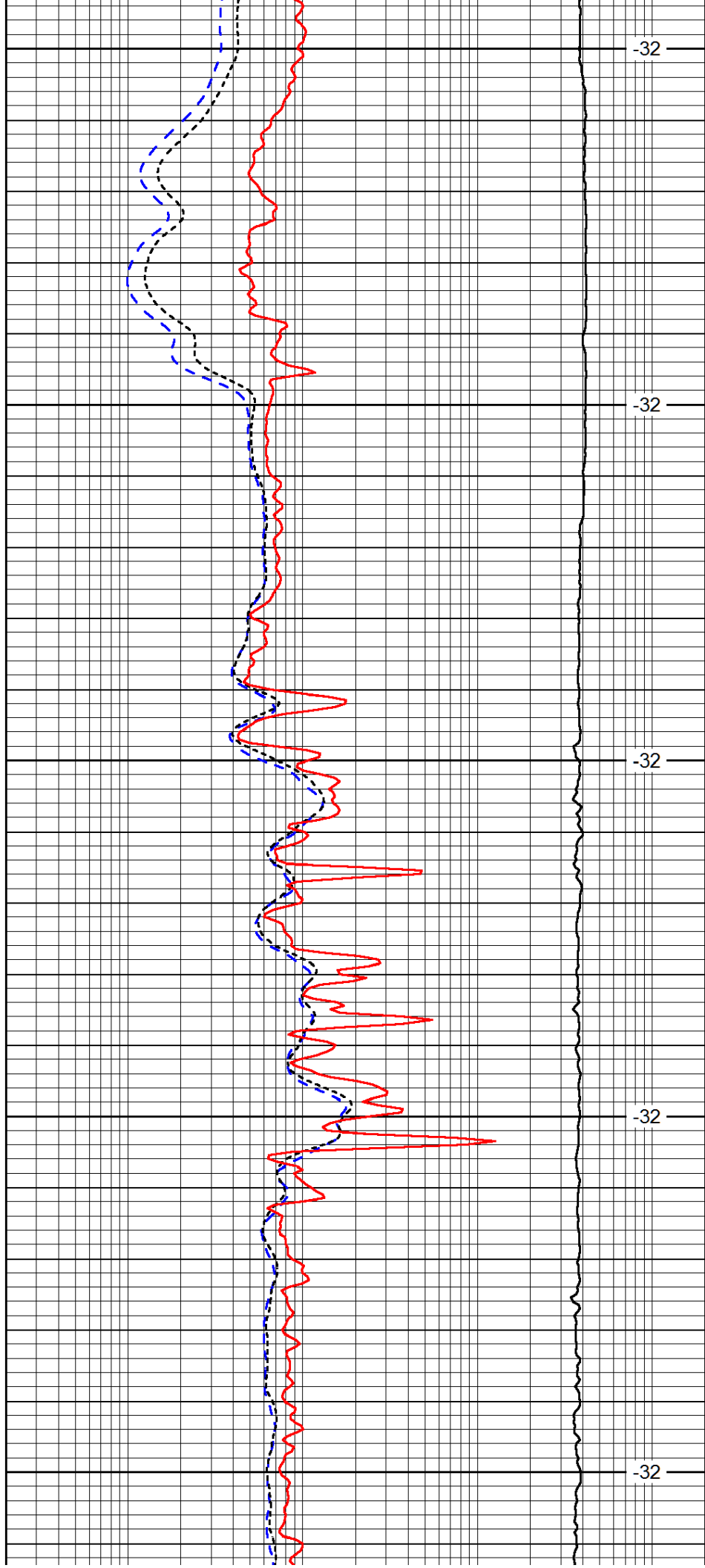
3550

3600

3650

3700

3750



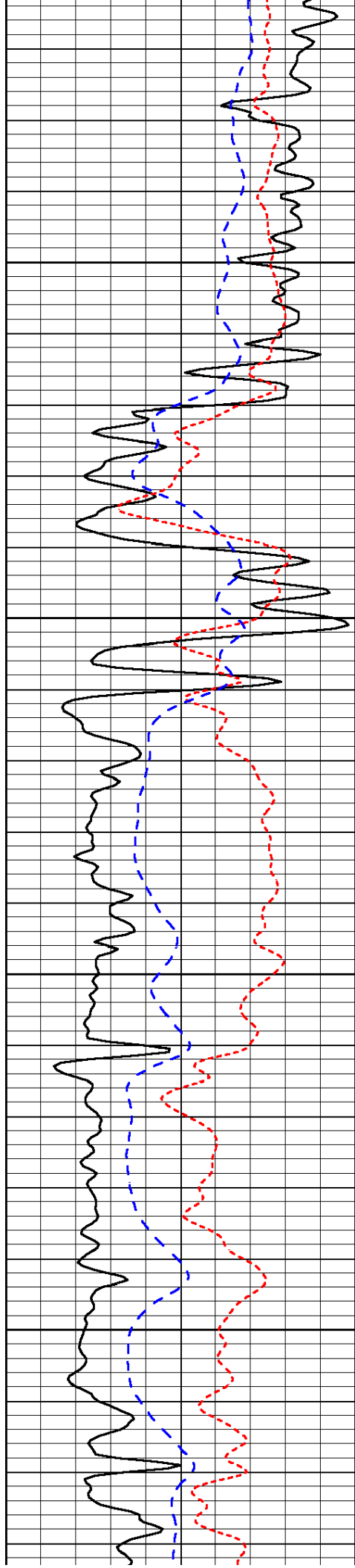
-32

-32

-32

-32

-32

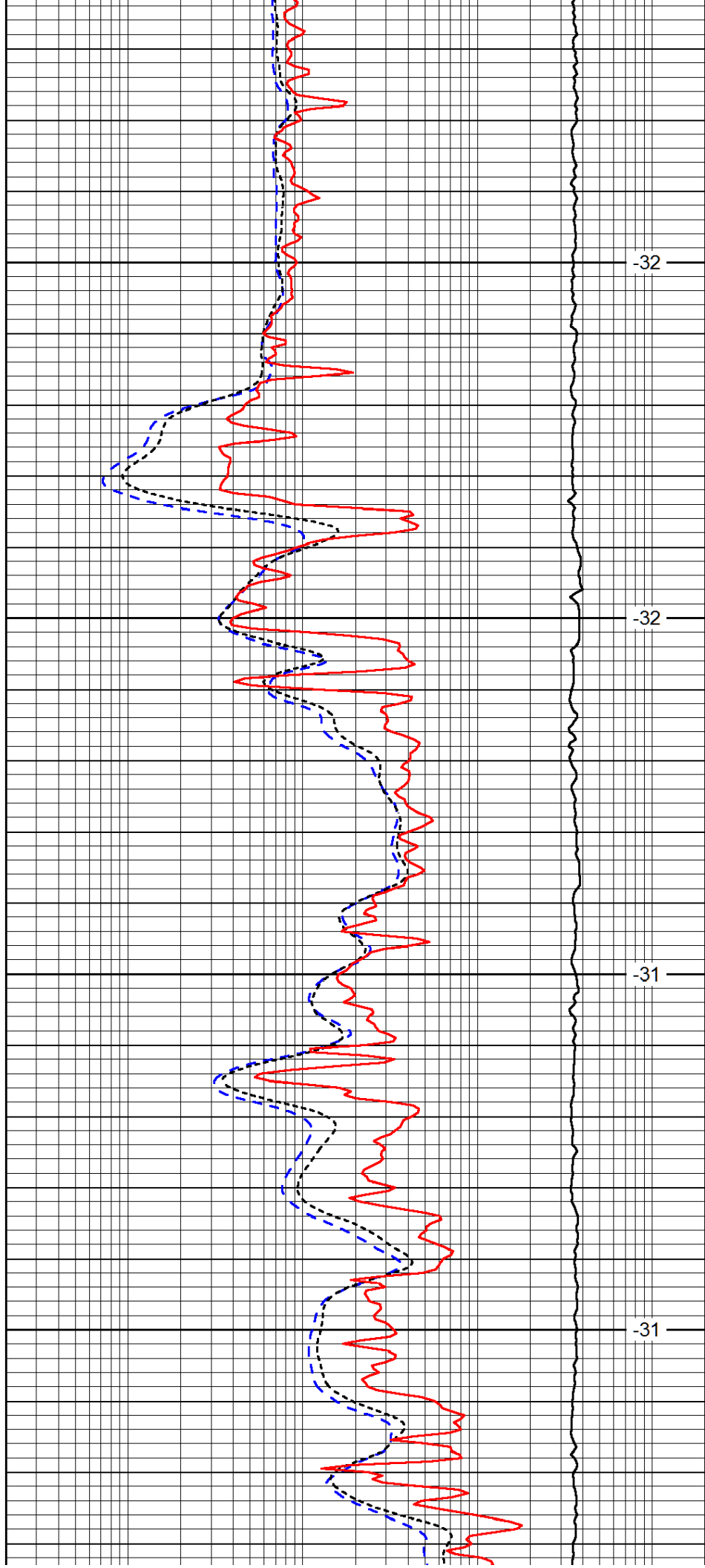


3800

3850

3900

3950

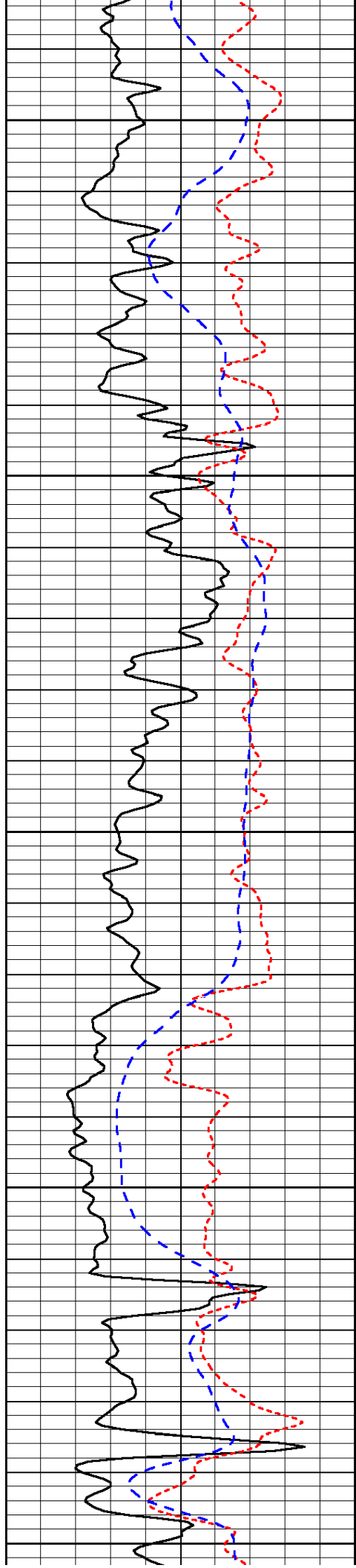


-32

-32

-31

-31



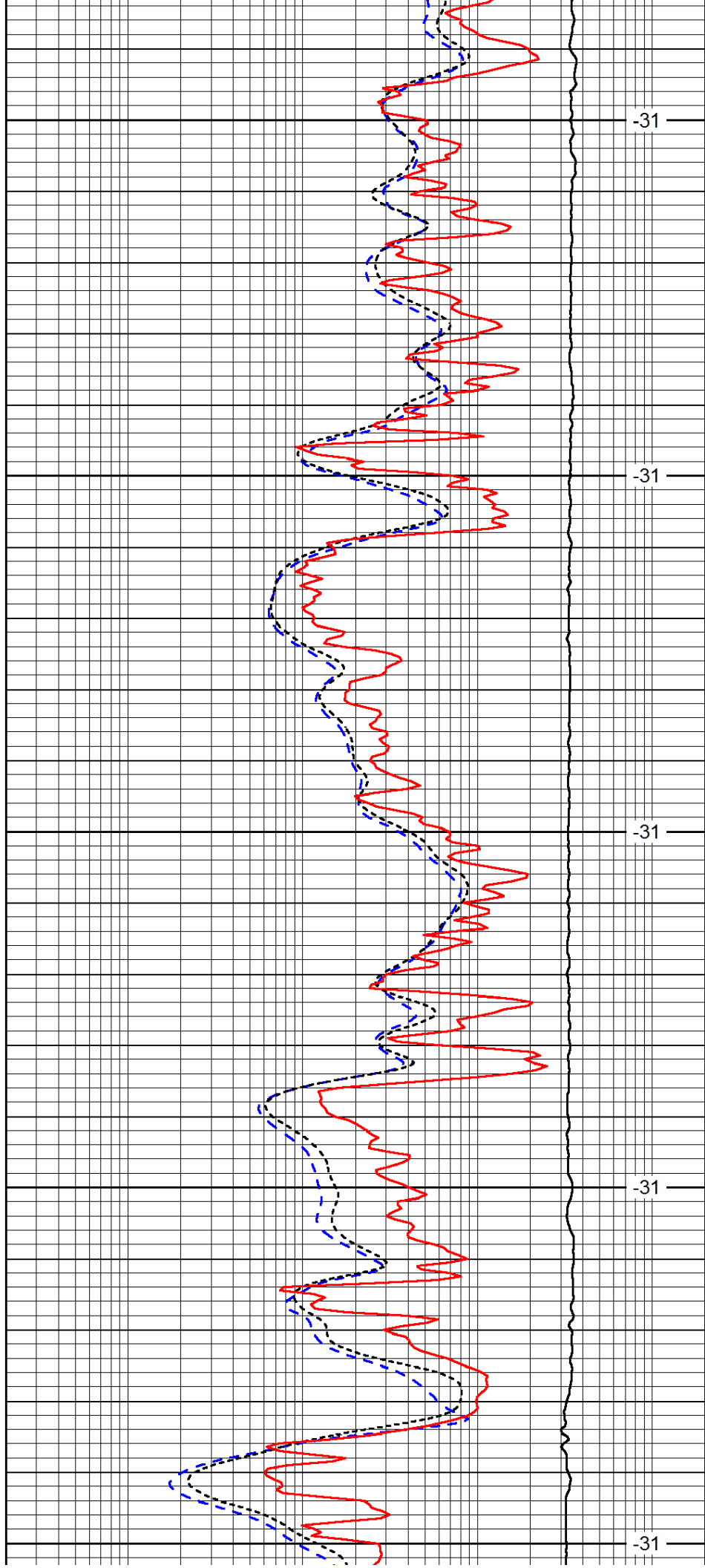
4000

4050

4100

4150

4200



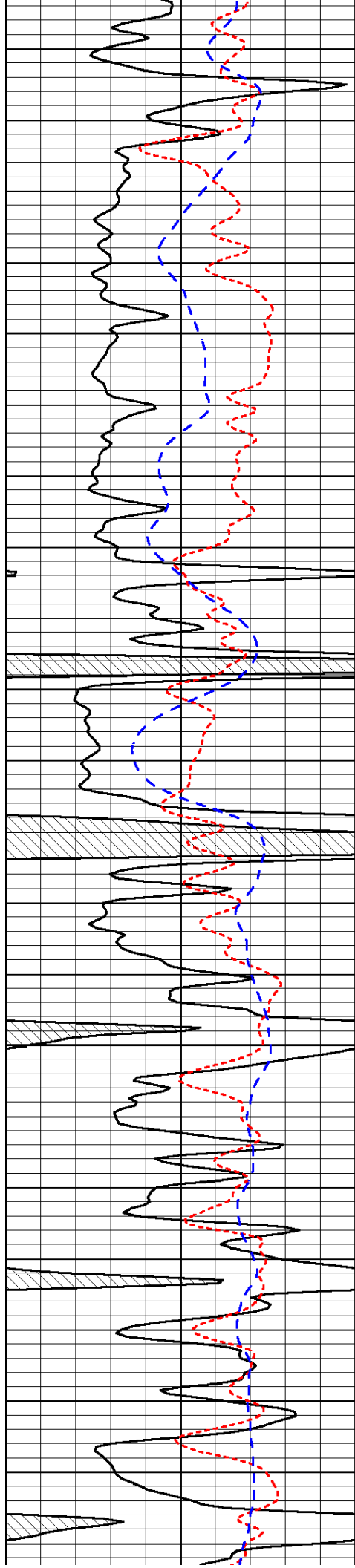
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-31

-31

-31

-31

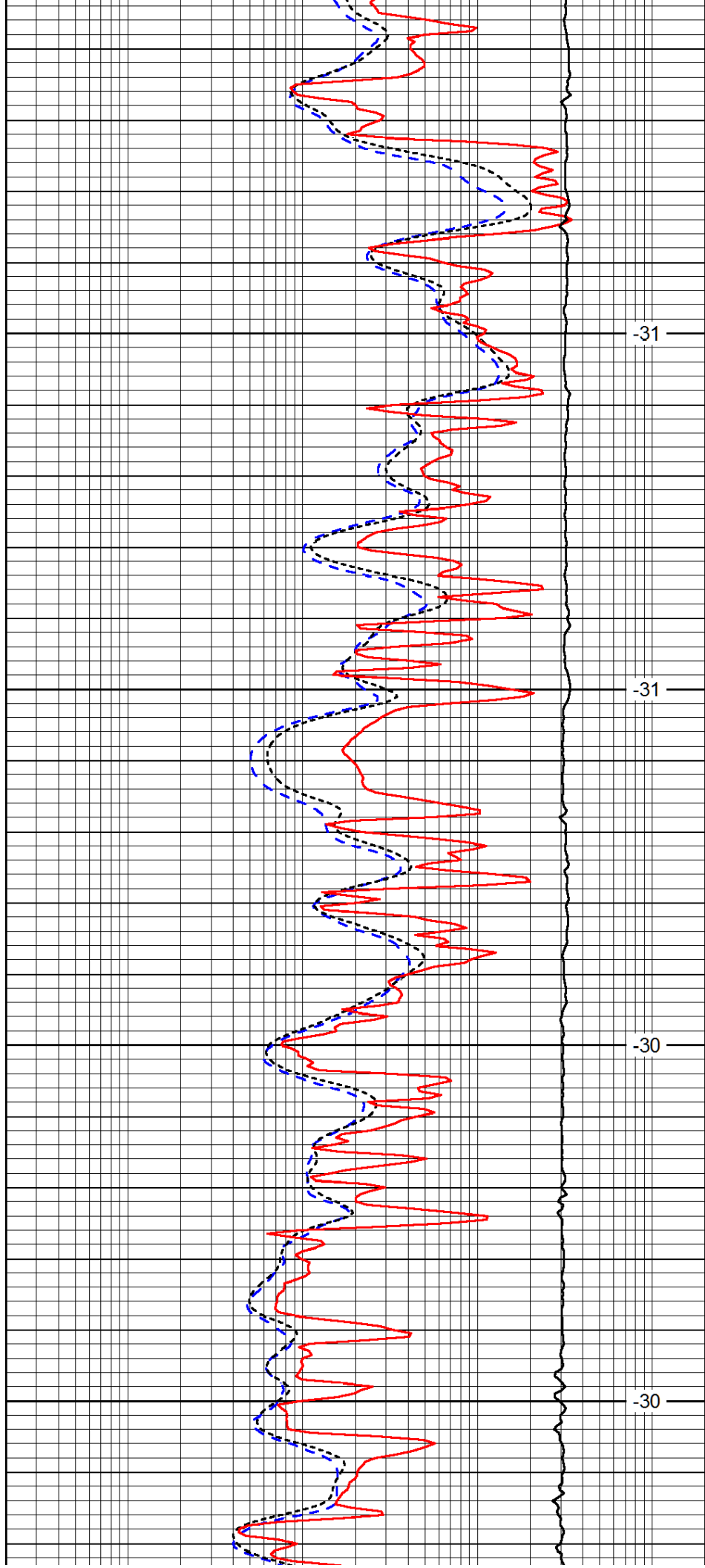


4250

4300

4350

4400

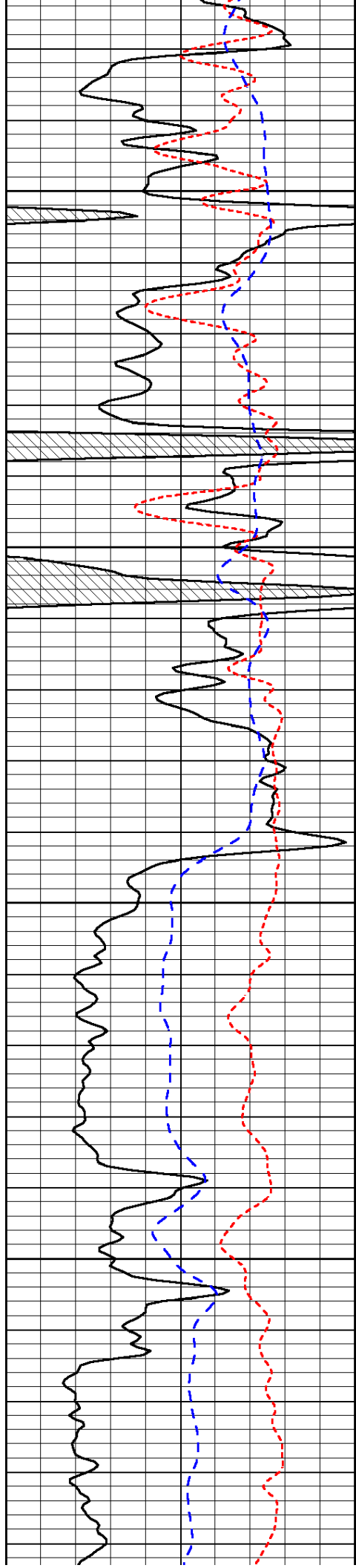


-31

-31

-30

-30

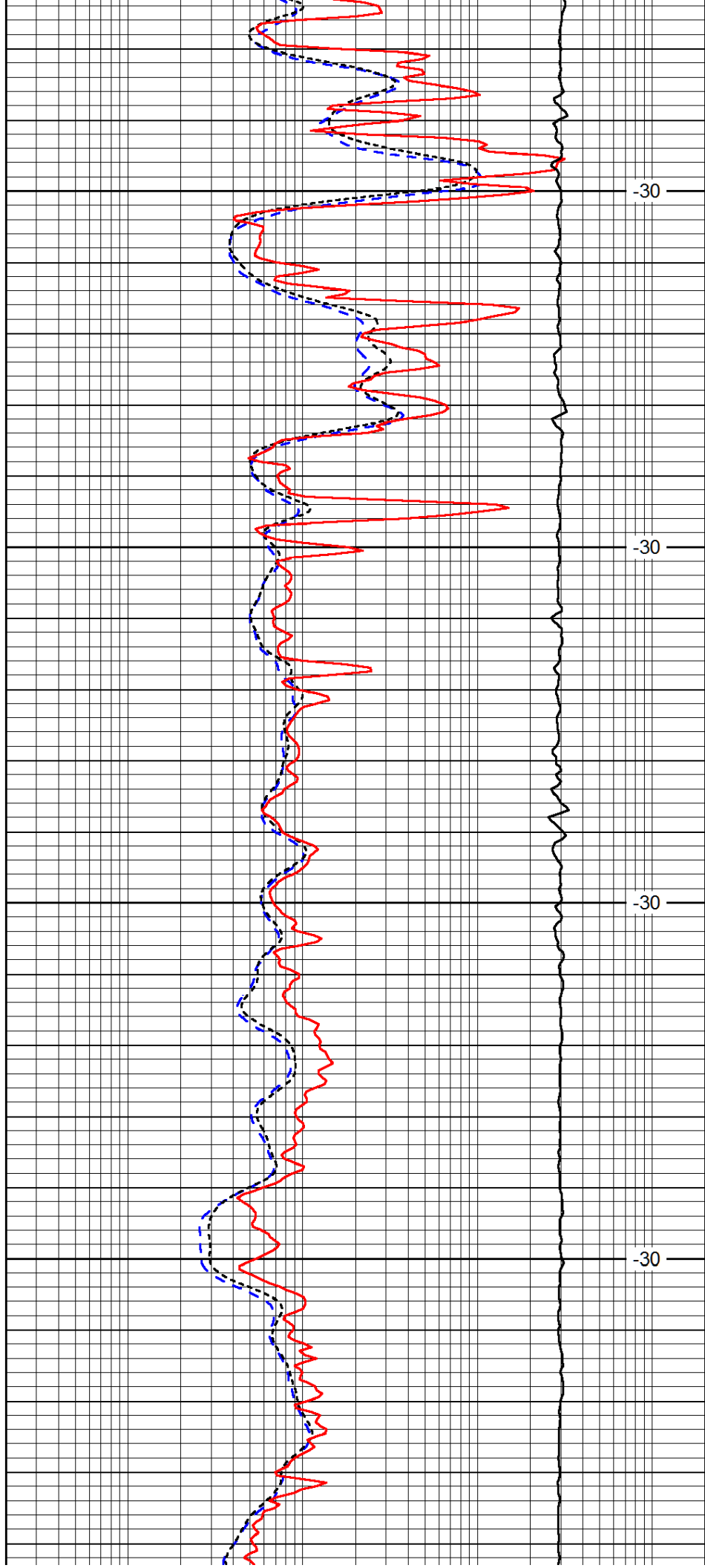


4450

4500

4550

4600

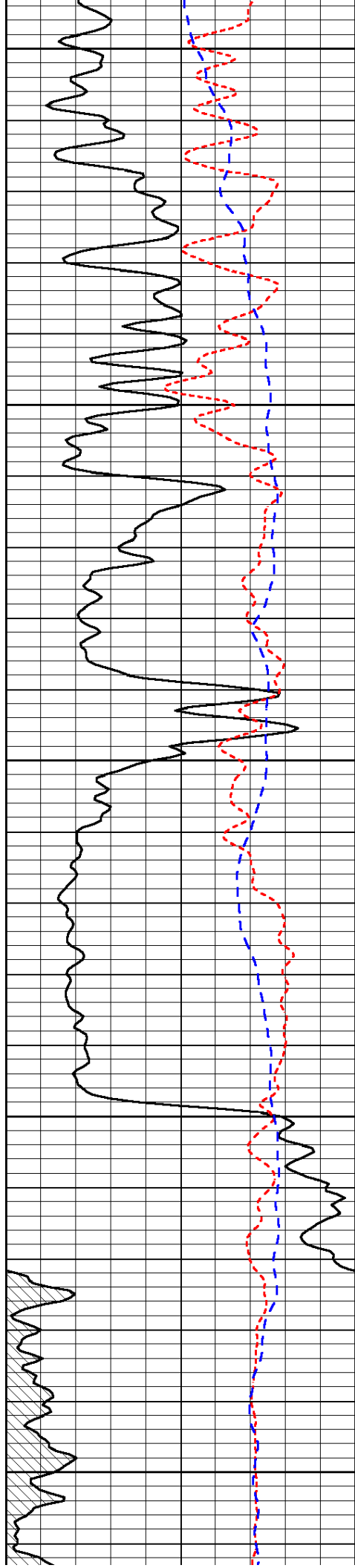


-30

-30

-30

-30



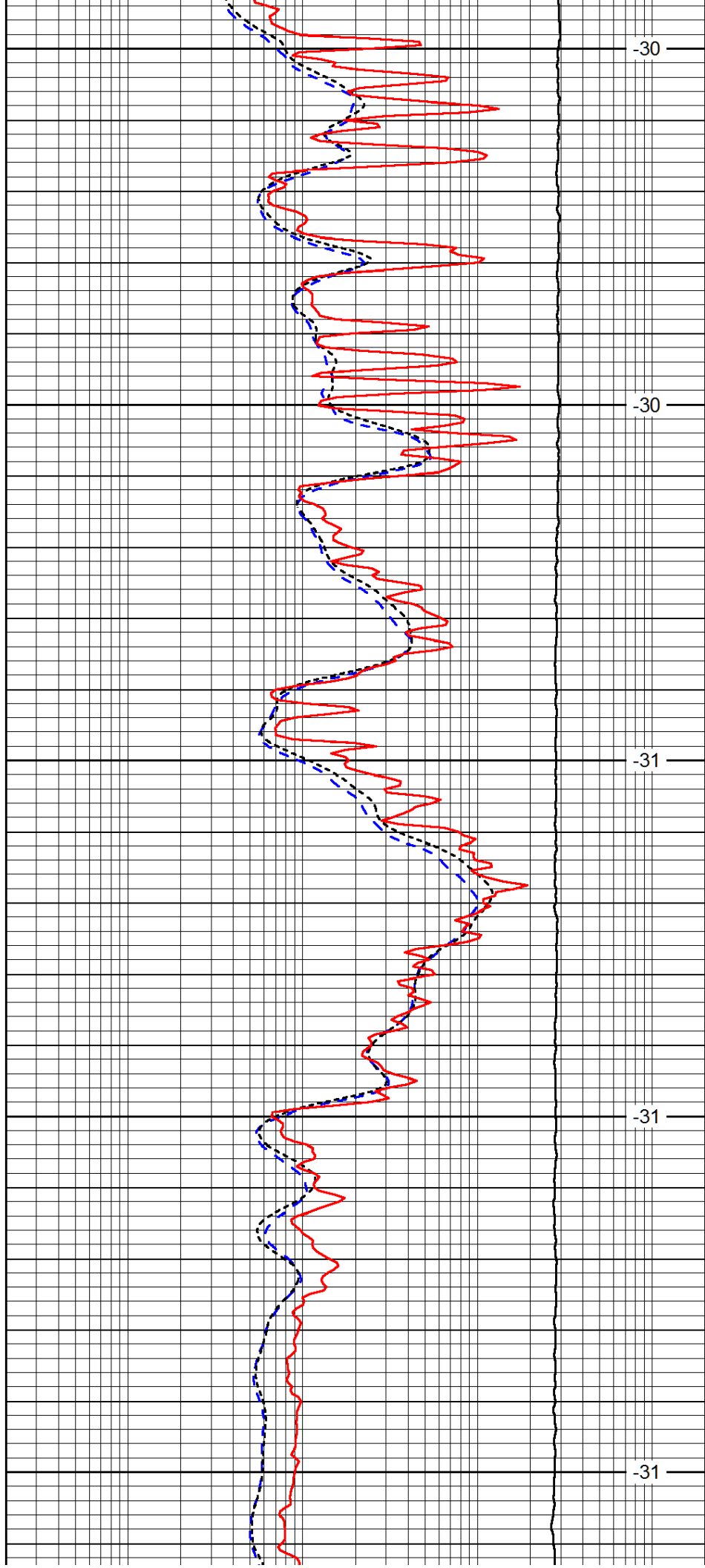
4650

4700

4750

4800

4850



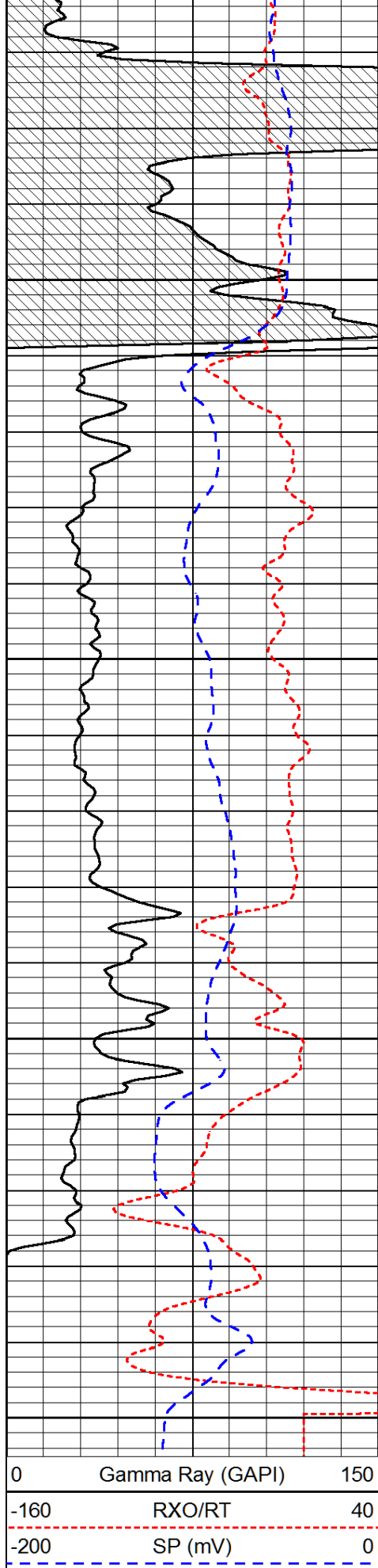
-30

-30

-31

-31

-31



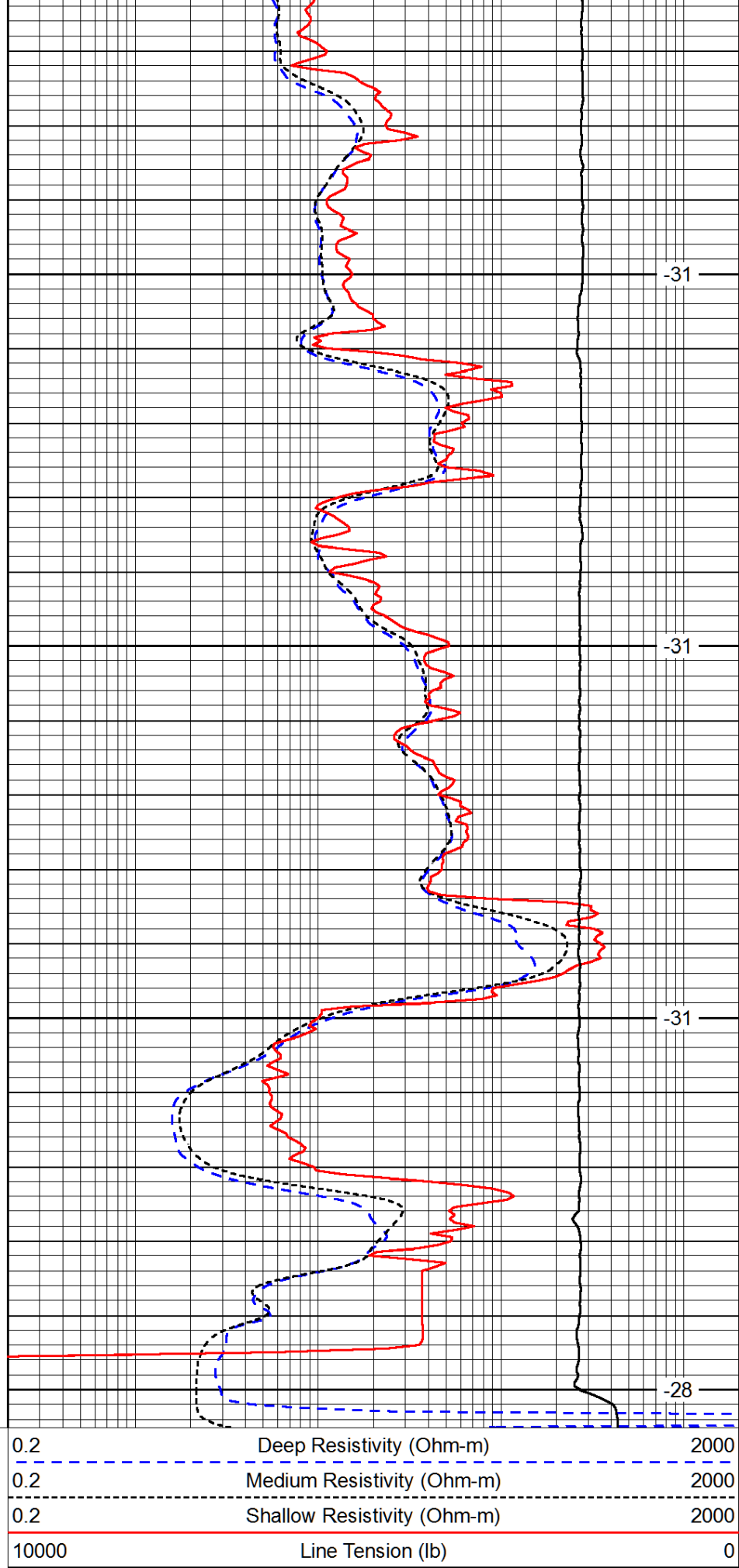
4900

4950

5000

5050

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



-31

-31

-31

-28

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)

[illegible]