



Dual Induction Log

Pioneer Energy Services

API No.

15-101-22,491-00-00

Company Forestar Petroleum Company

Well LCF No. 1-11

Field Unnamed

County Lane State

Kansas

Location

NW-NW-NW-SW
2260' FSL & 140' FWL

Other Services
CNL/CDL
MEI/BHCS

Sec: 11

Twp: 17S

Rge: 29W

Elevation

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation
K.B. 2794
D.F. 2789
G.L. 2789

Date

2/12/14

Run Number

One

Depth Driller

4650

Depth Logger

4653

Bottom Logged Interval

4652

Top Log Interval

250

Casing Driller

8.625 @ 261

Casing Logger

262

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

2,400

Density / Viscosity

9.2 48

pH / Fluid Loss

12.0 6.0

Source of Sample

Flowline

1.2 @ 41

1.90 @ 41

1.62 @ 41

Charts

.40 @ 123

5 Hours

123

17

Hays

J. Henrickson

Macklin Armstrong

<<< 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

Dighton Kansas
North to CR 230, 2 West, South Into(almost a mile)

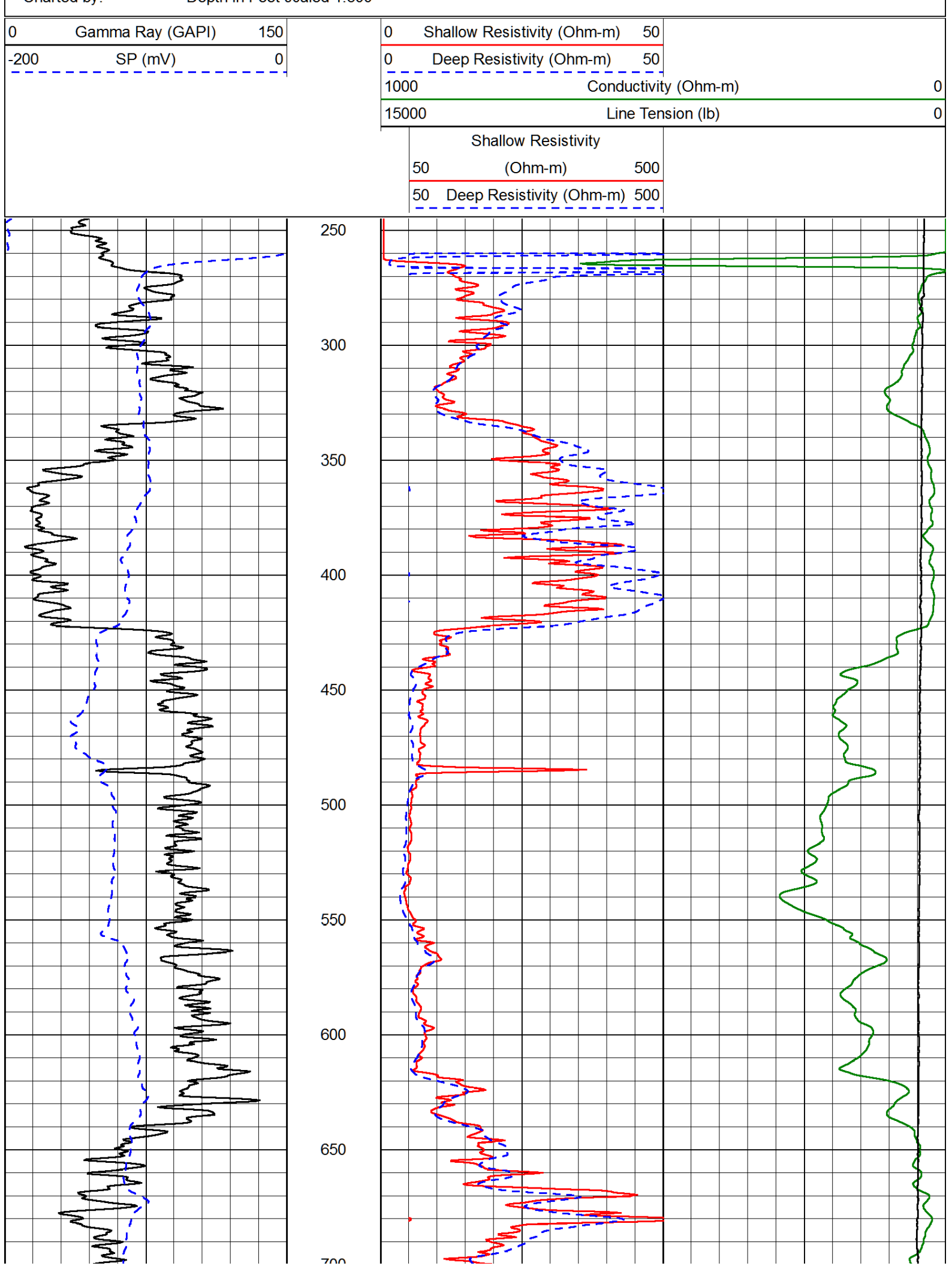
Database File: forestar_lcf_1_11hd.db

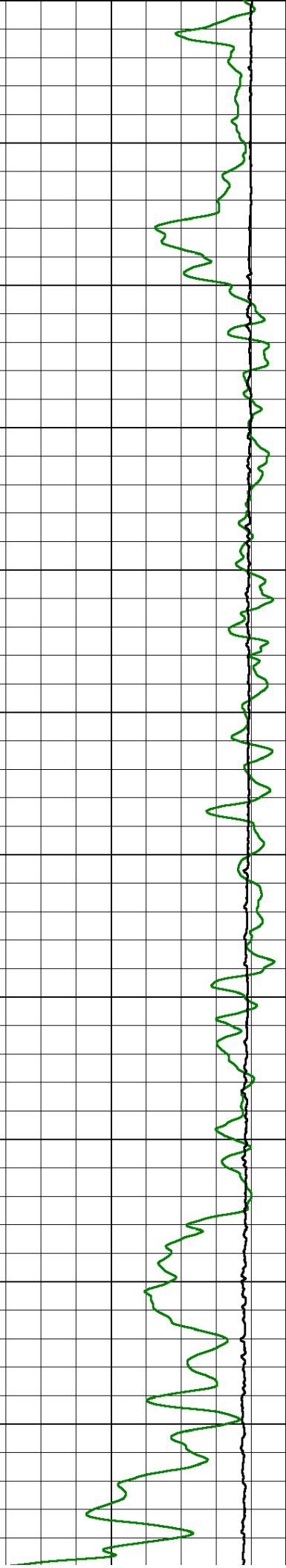
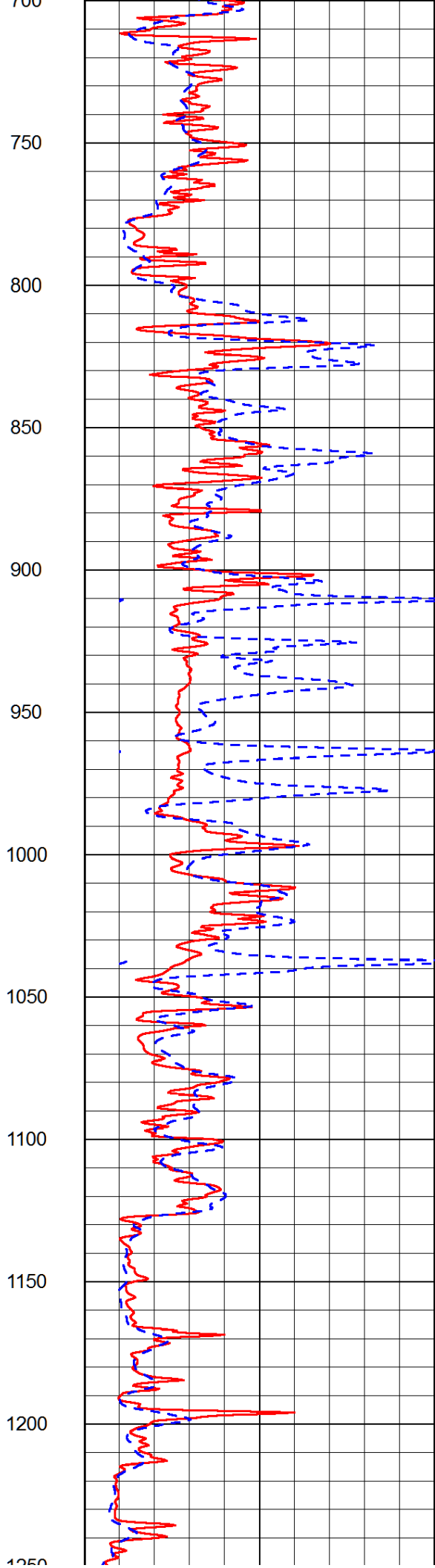
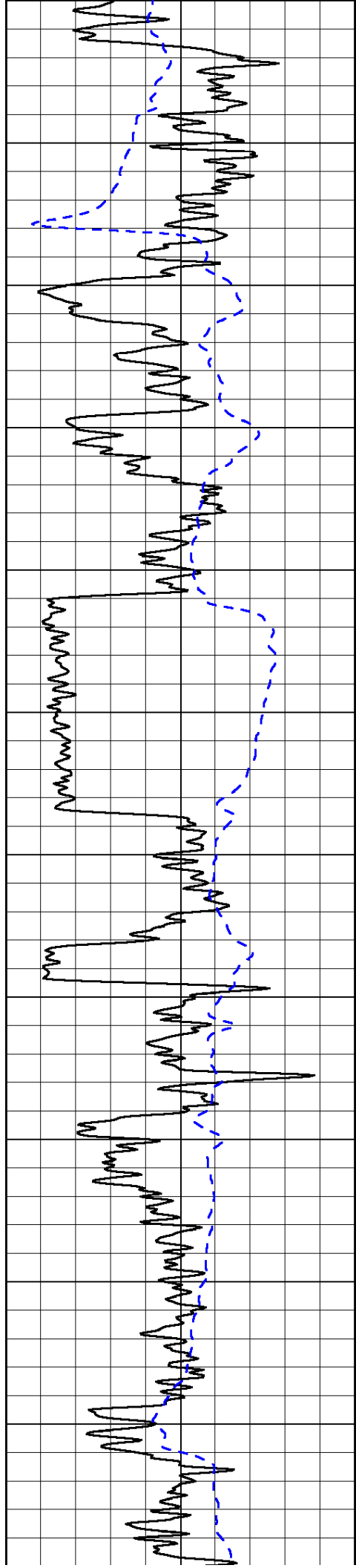
Dataset Pathname: DIL/forestk

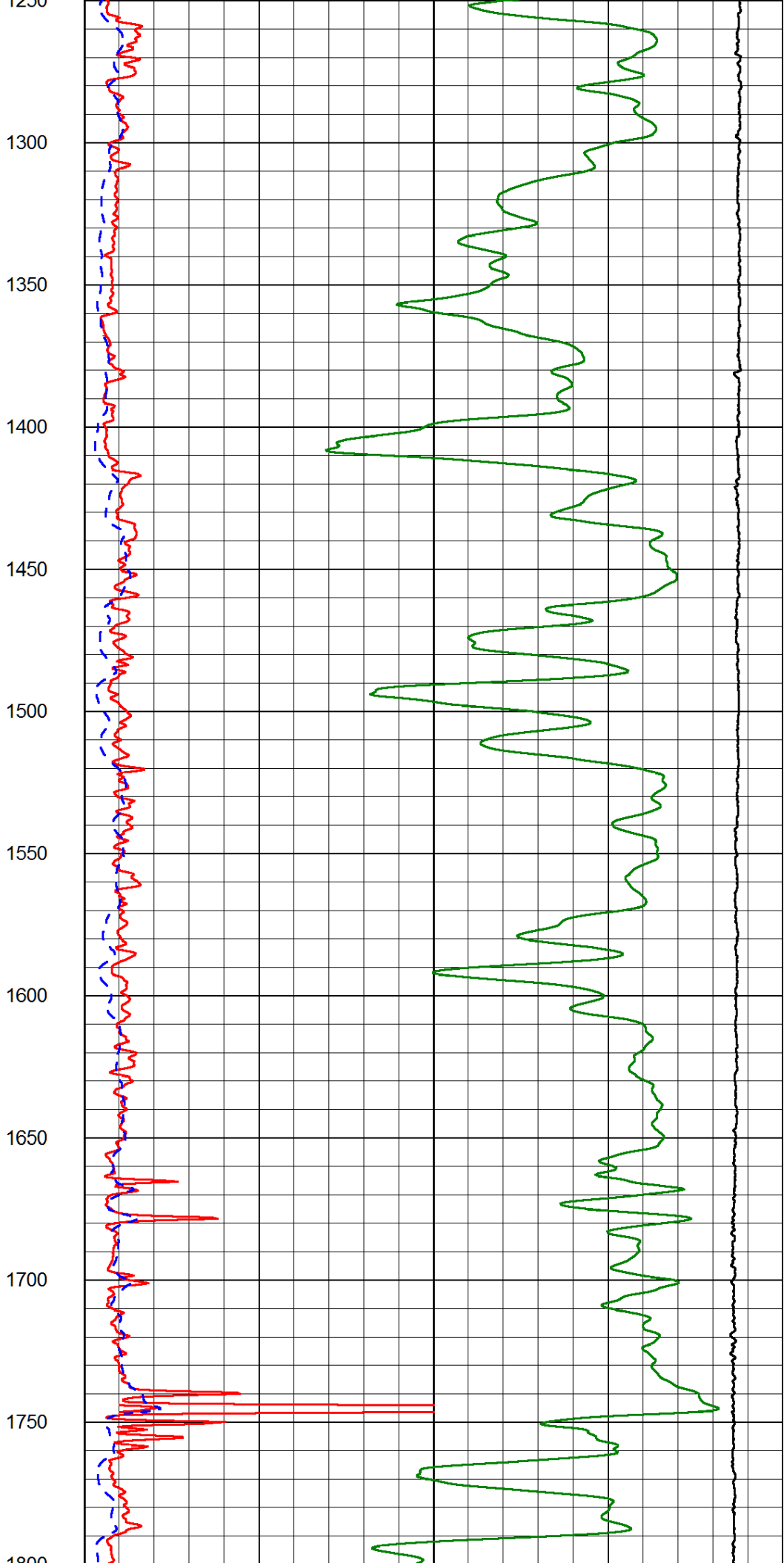
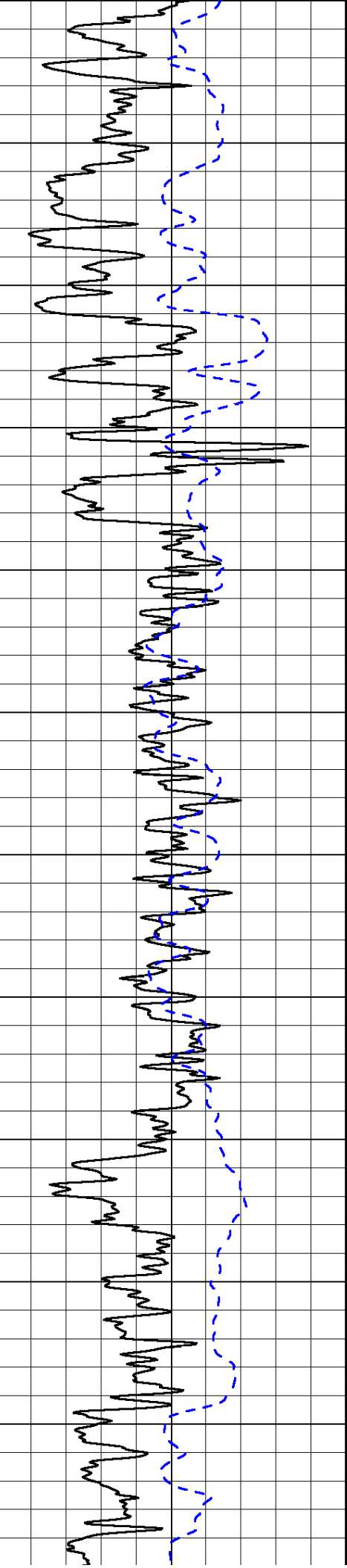
Presentation Format: dil2in

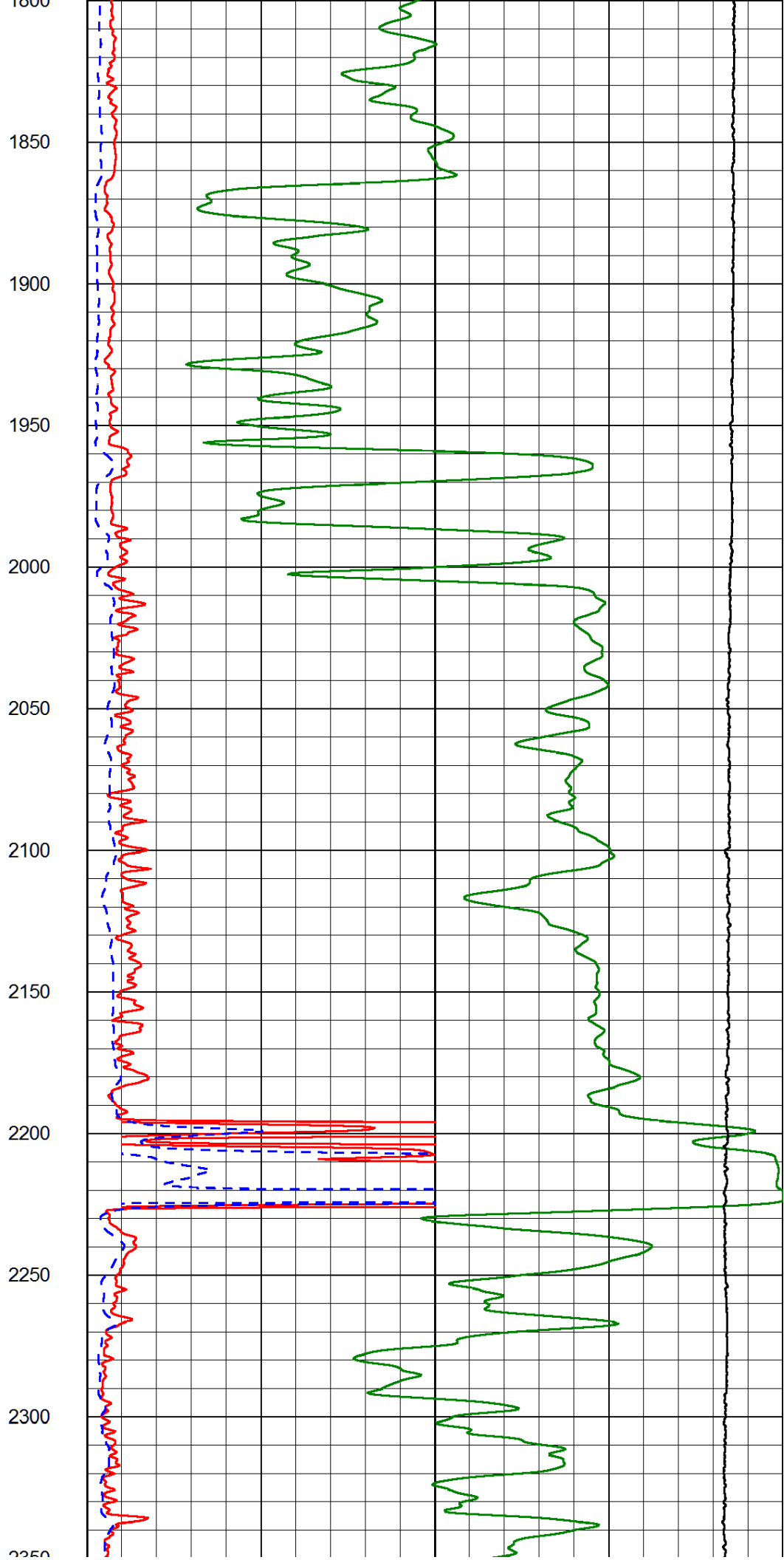
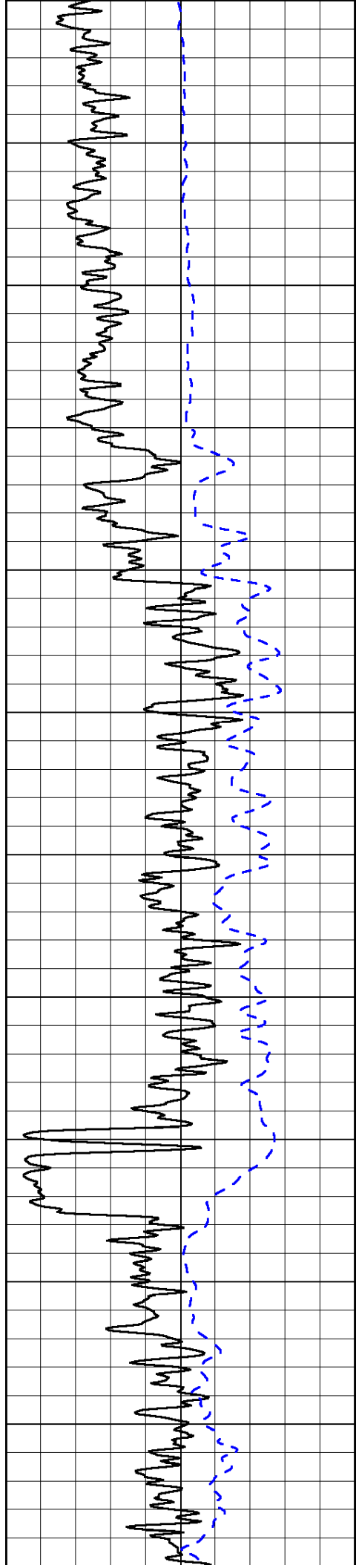
Dataset Creation: Wed Feb 12 11:48:58 2014

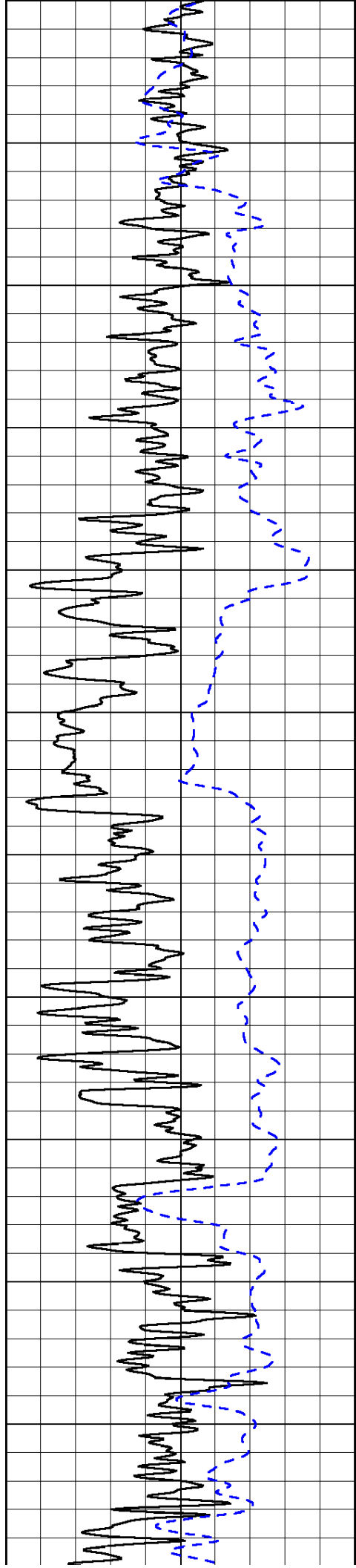
Charted by: Depth in Feet scaled 1:600



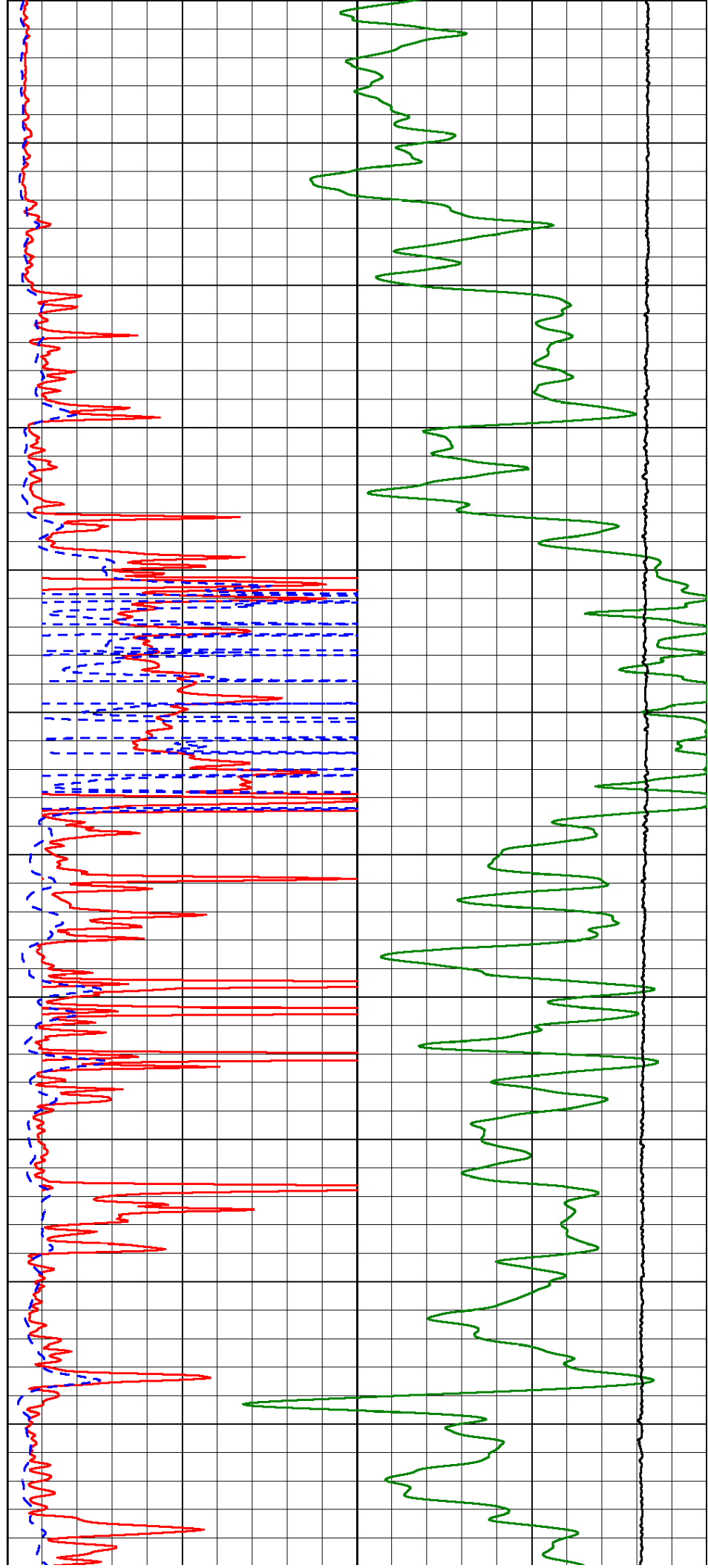


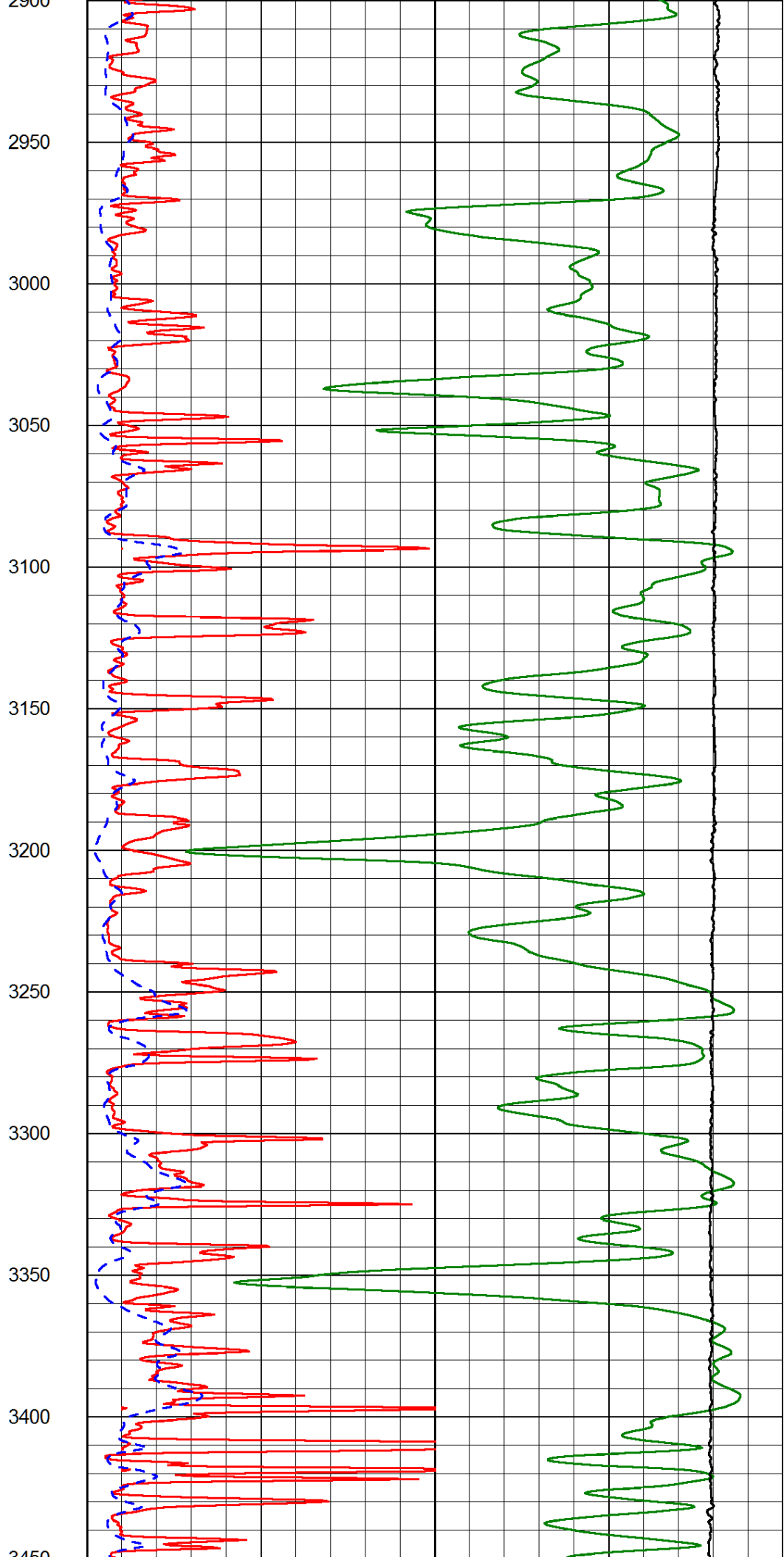
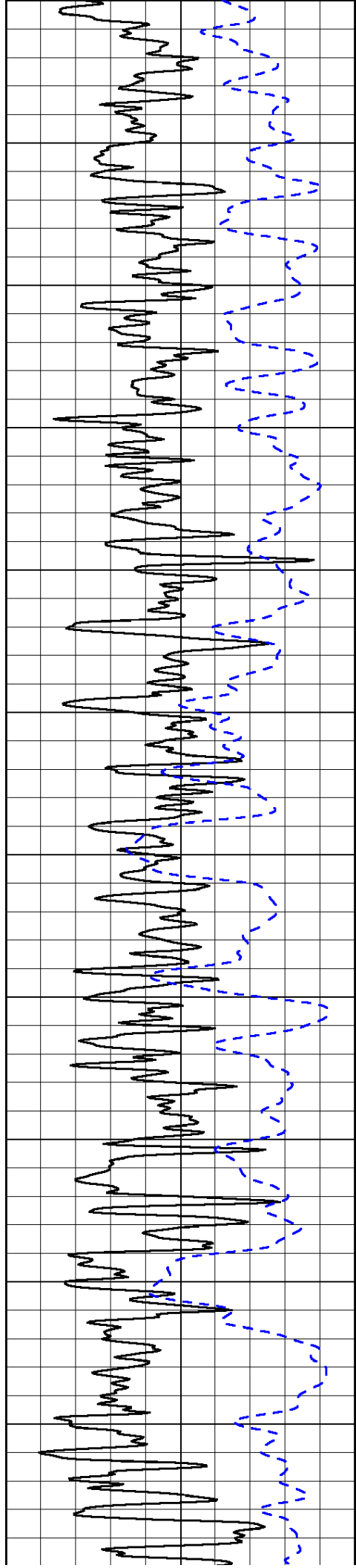


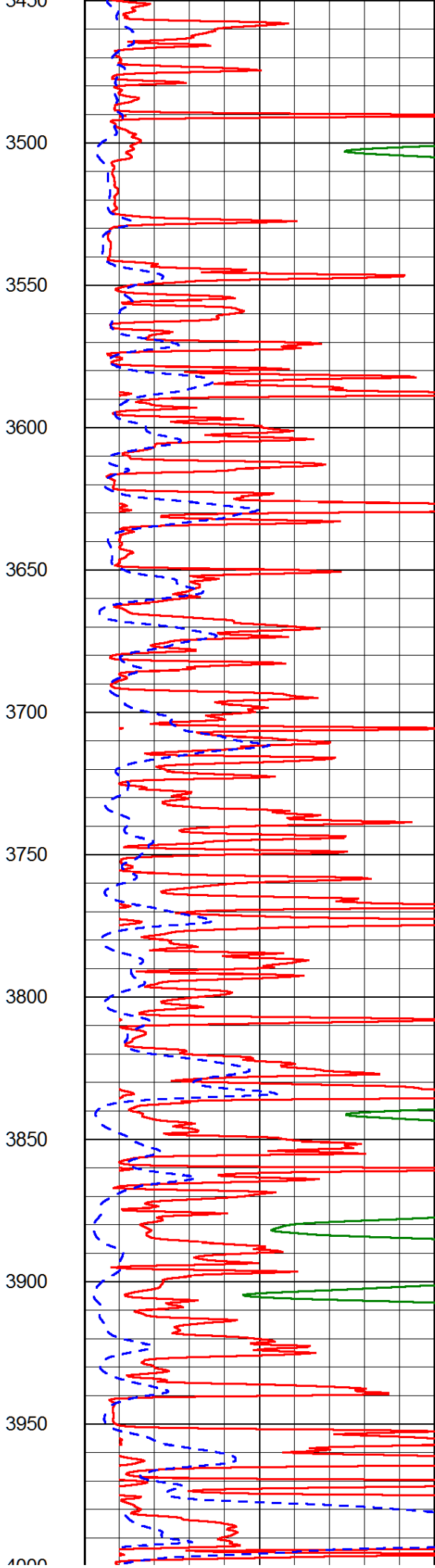
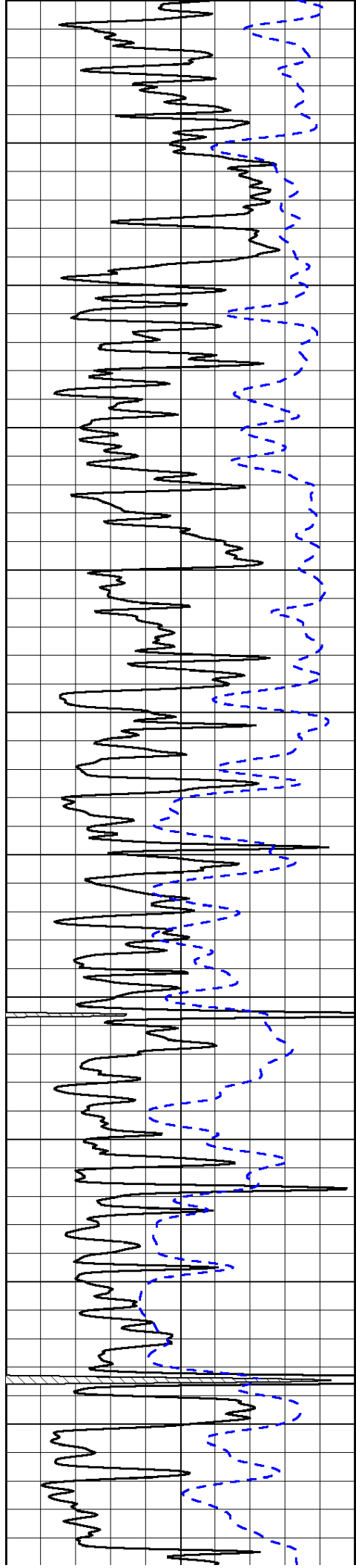


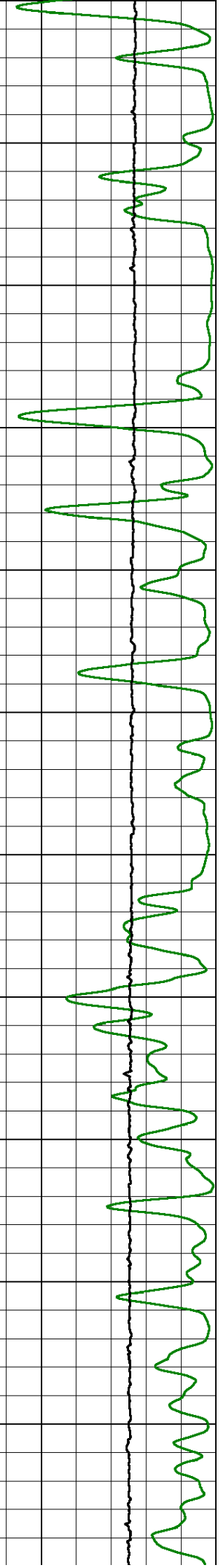
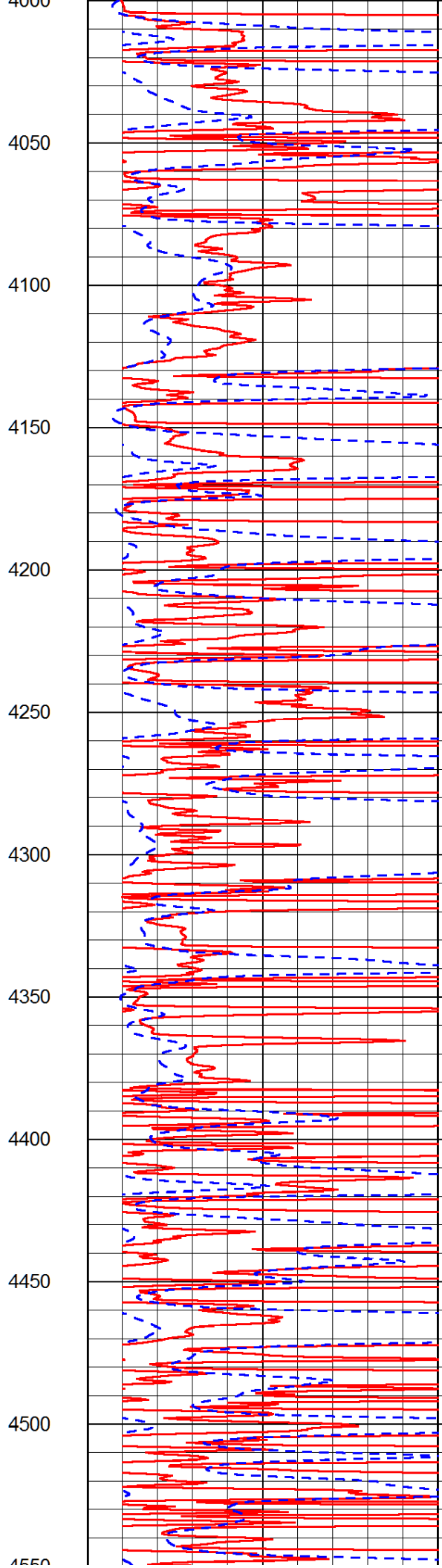
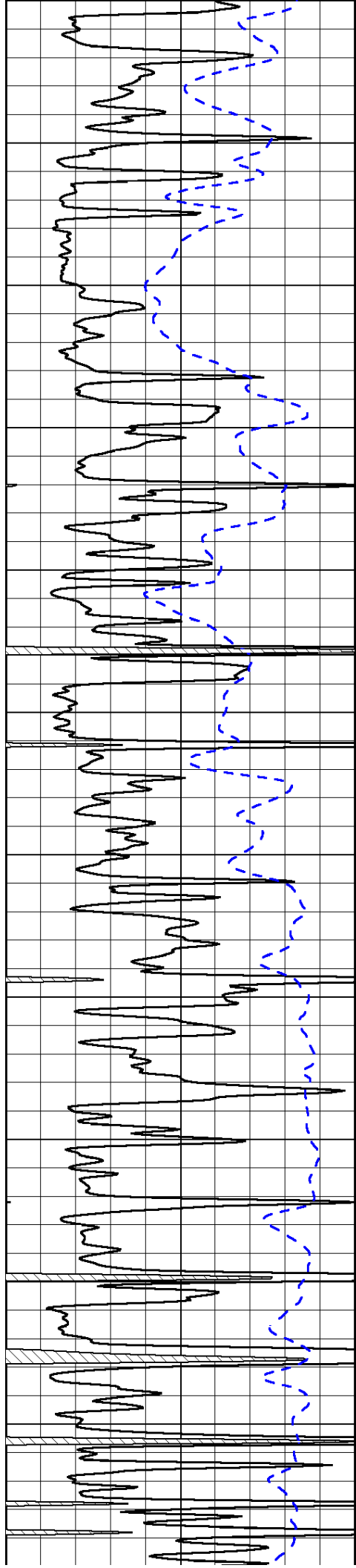


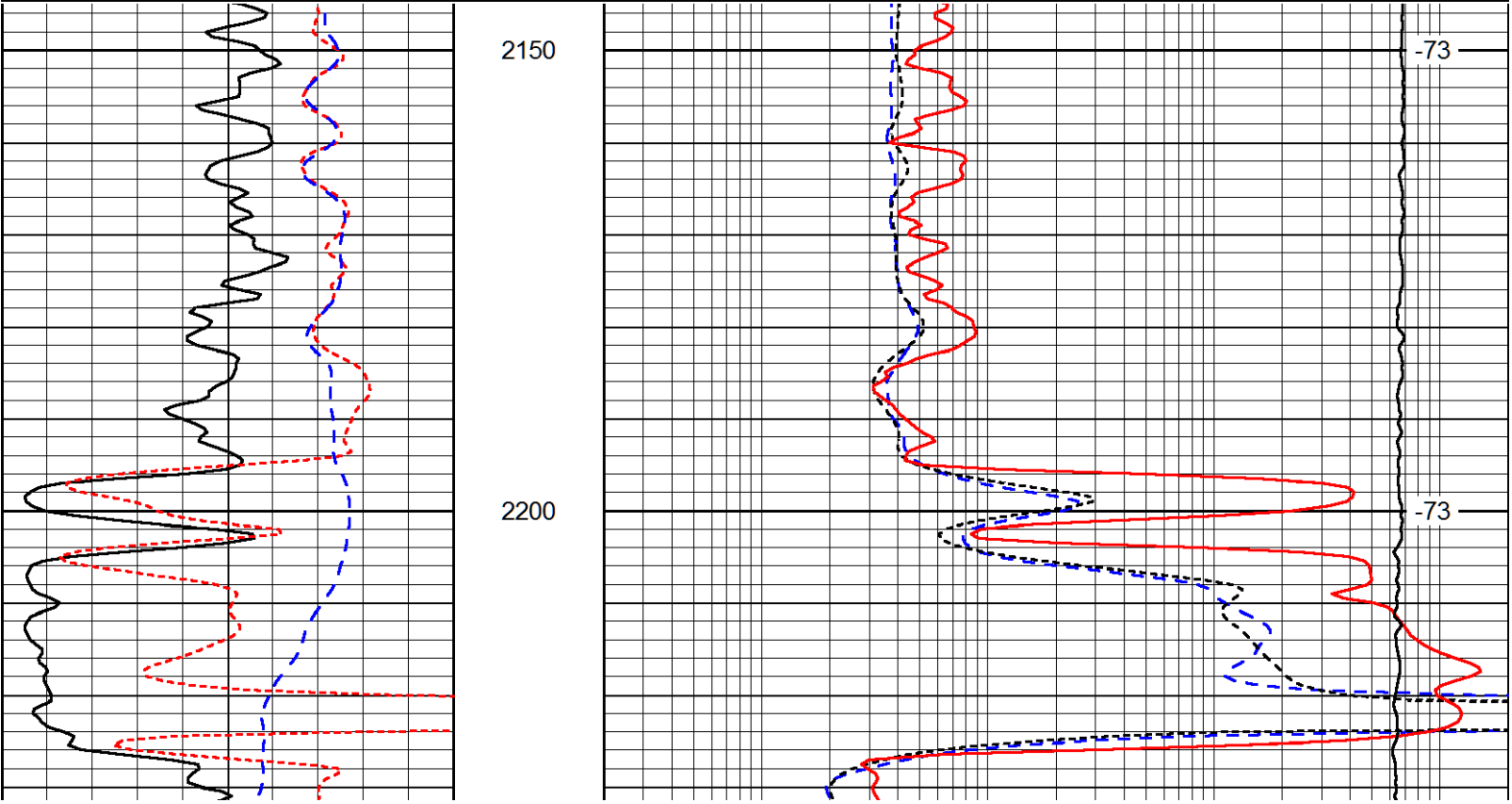
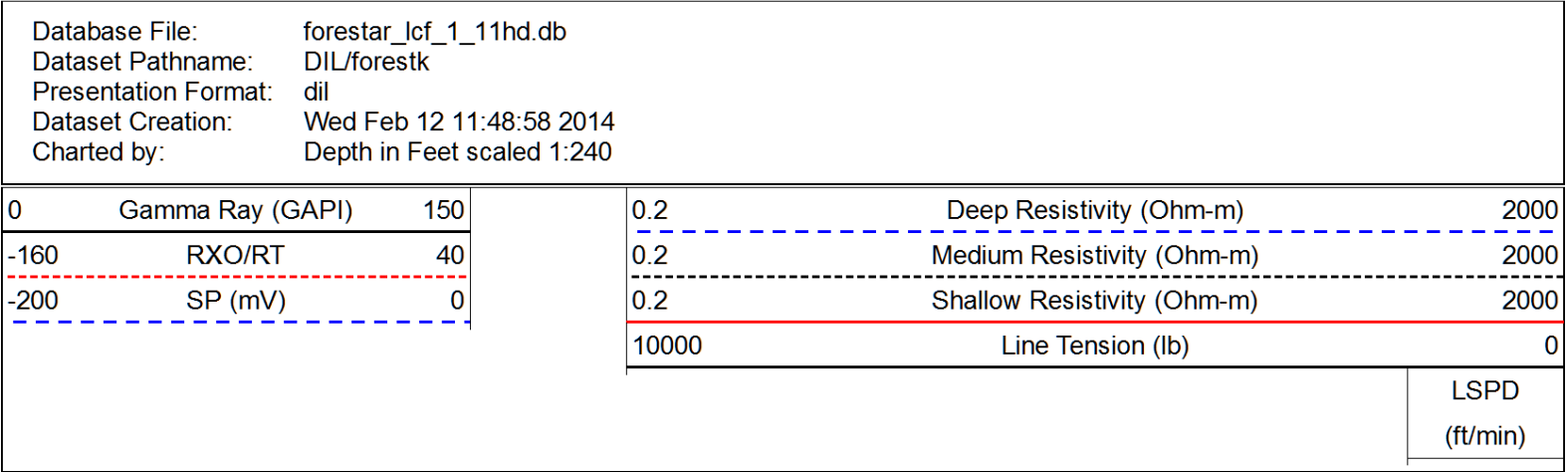
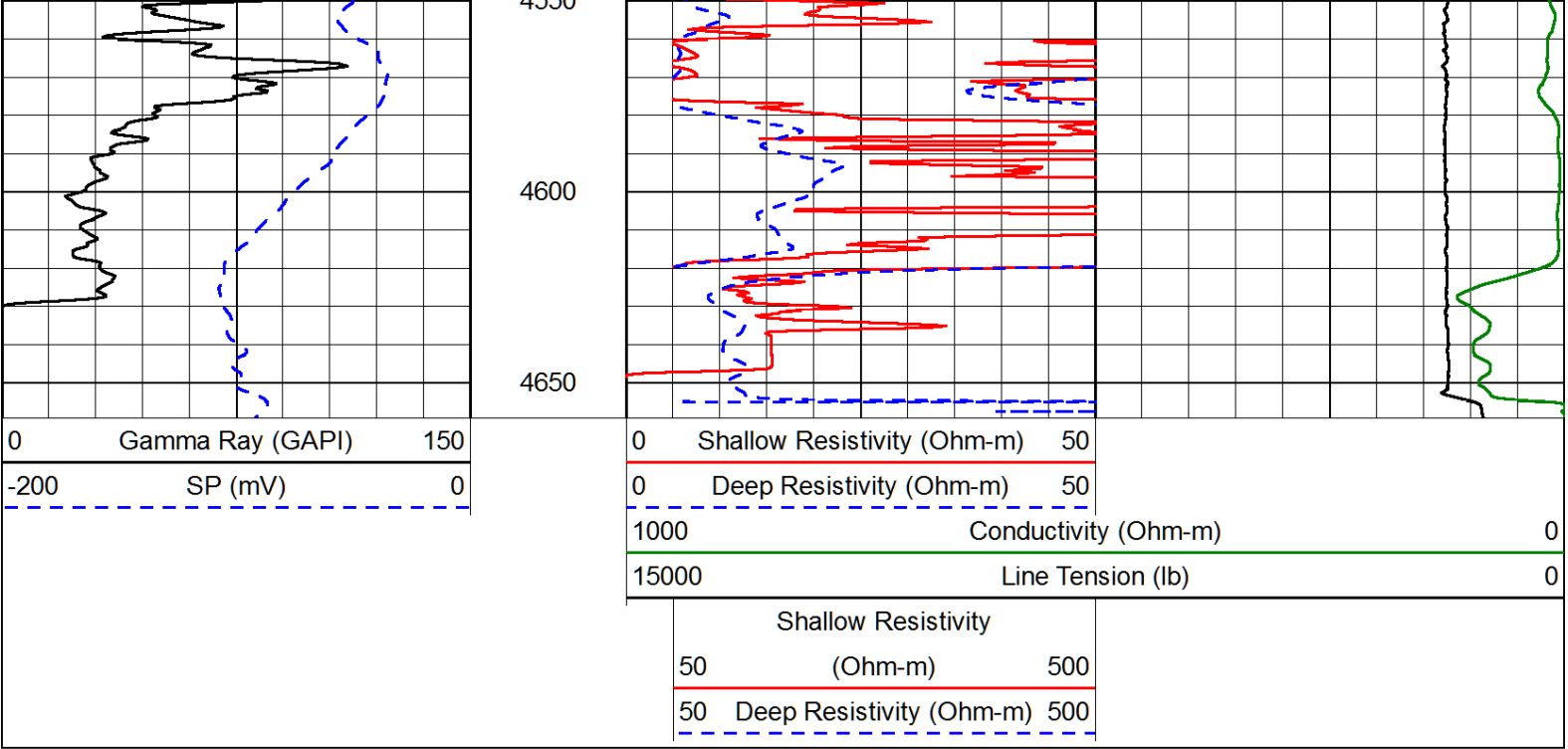
2350
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
2900

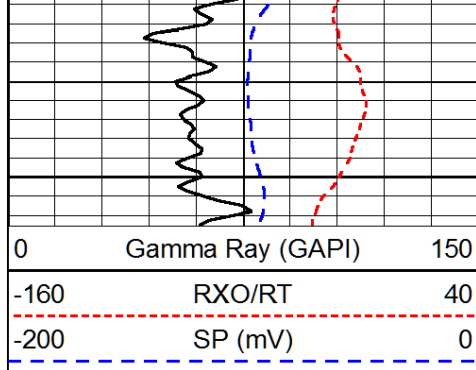




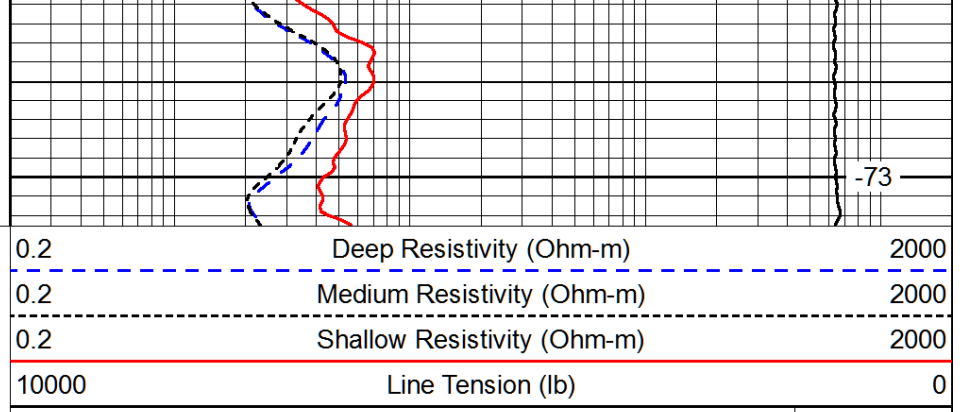






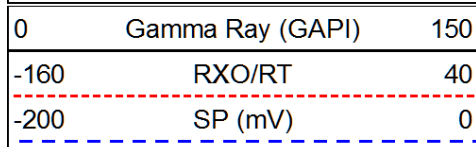


2250

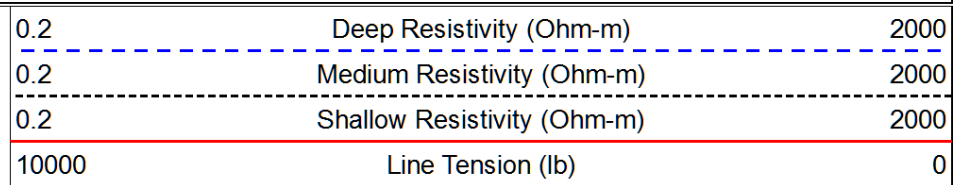


LSPD
(ft/min)

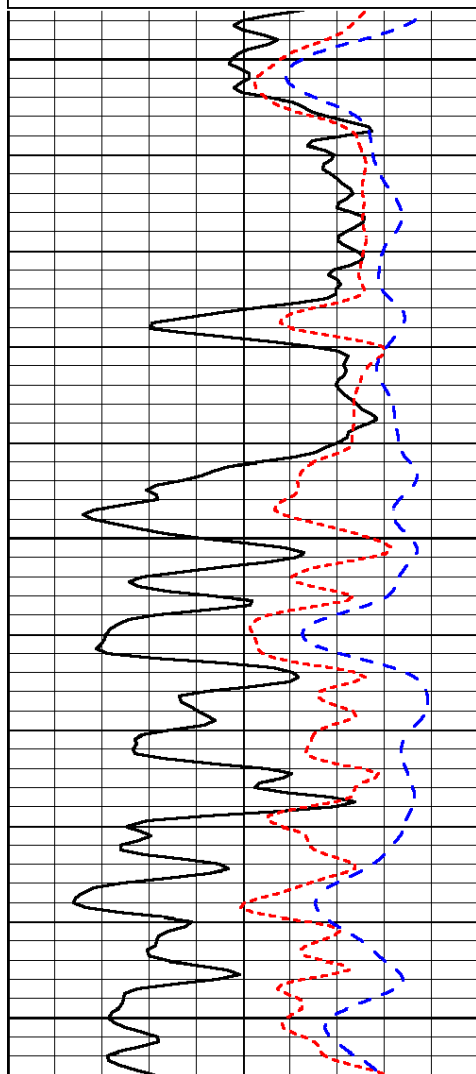
Database File: forestar_lcf_1_11hd.db
Dataset Pathname: DIL/forestk
Presentation Format: dil
Dataset Creation: Wed Feb 12 11:48:58 2014
Charted by: Depth in Feet scaled 1:240



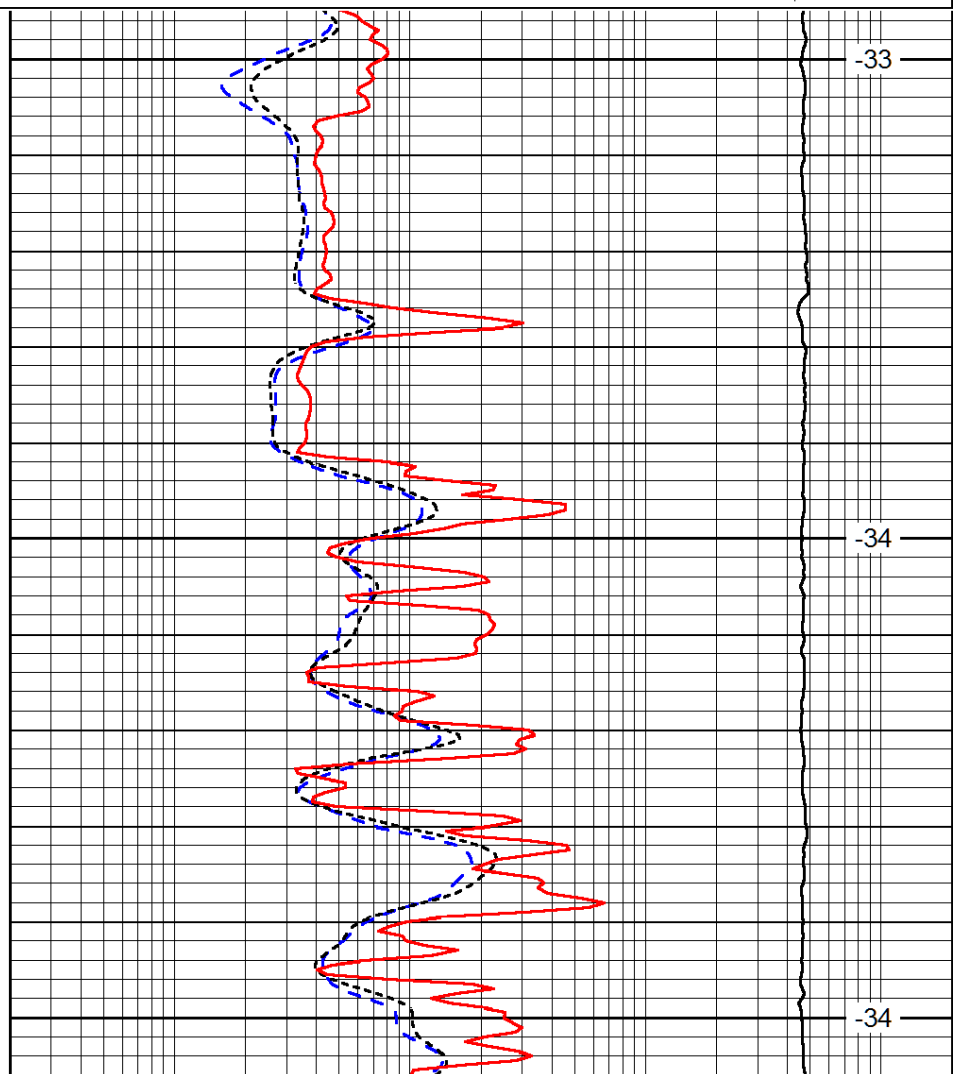
3500



LSPD
(ft/min)



3550

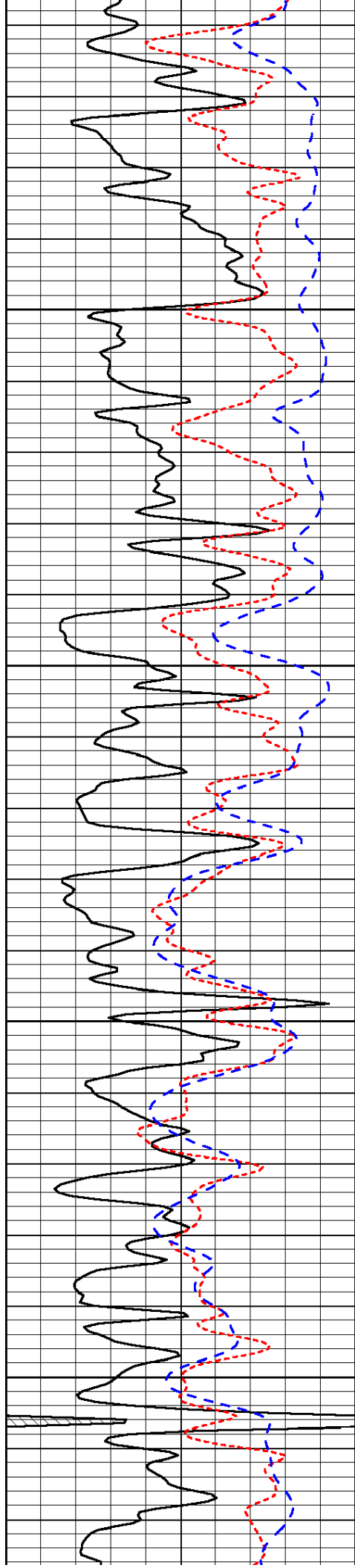


-33

-34

-34

3600

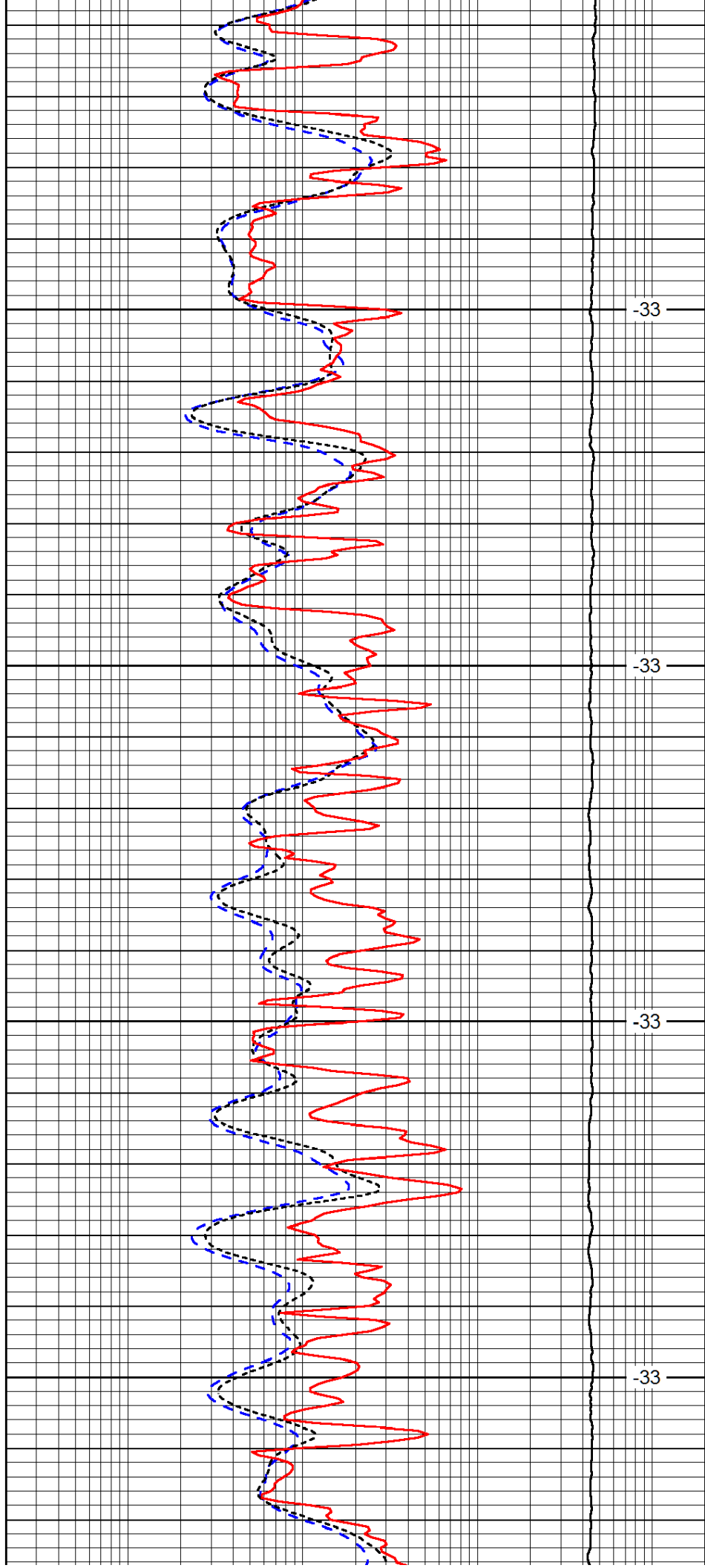


3650

3700

3750

3800

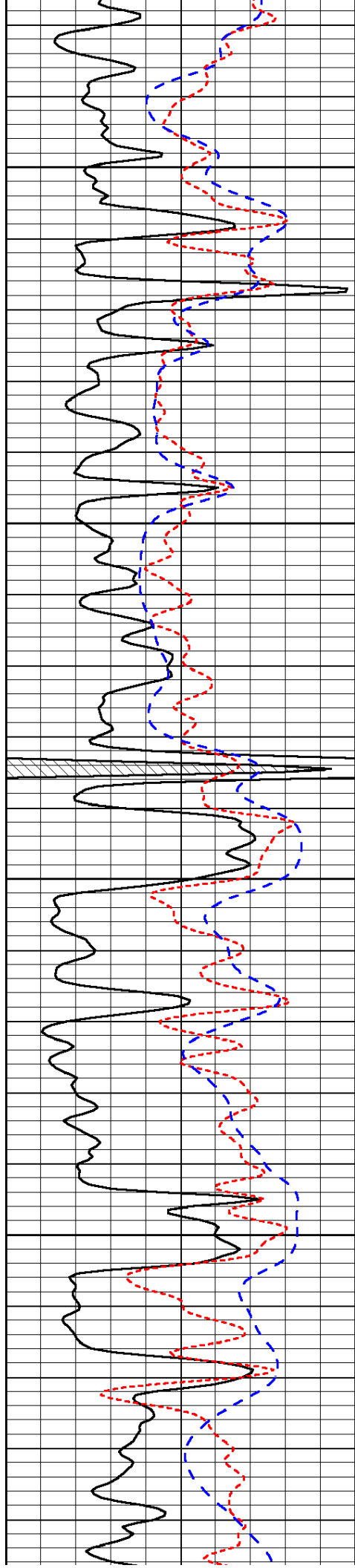


-33

-33

-33

-33

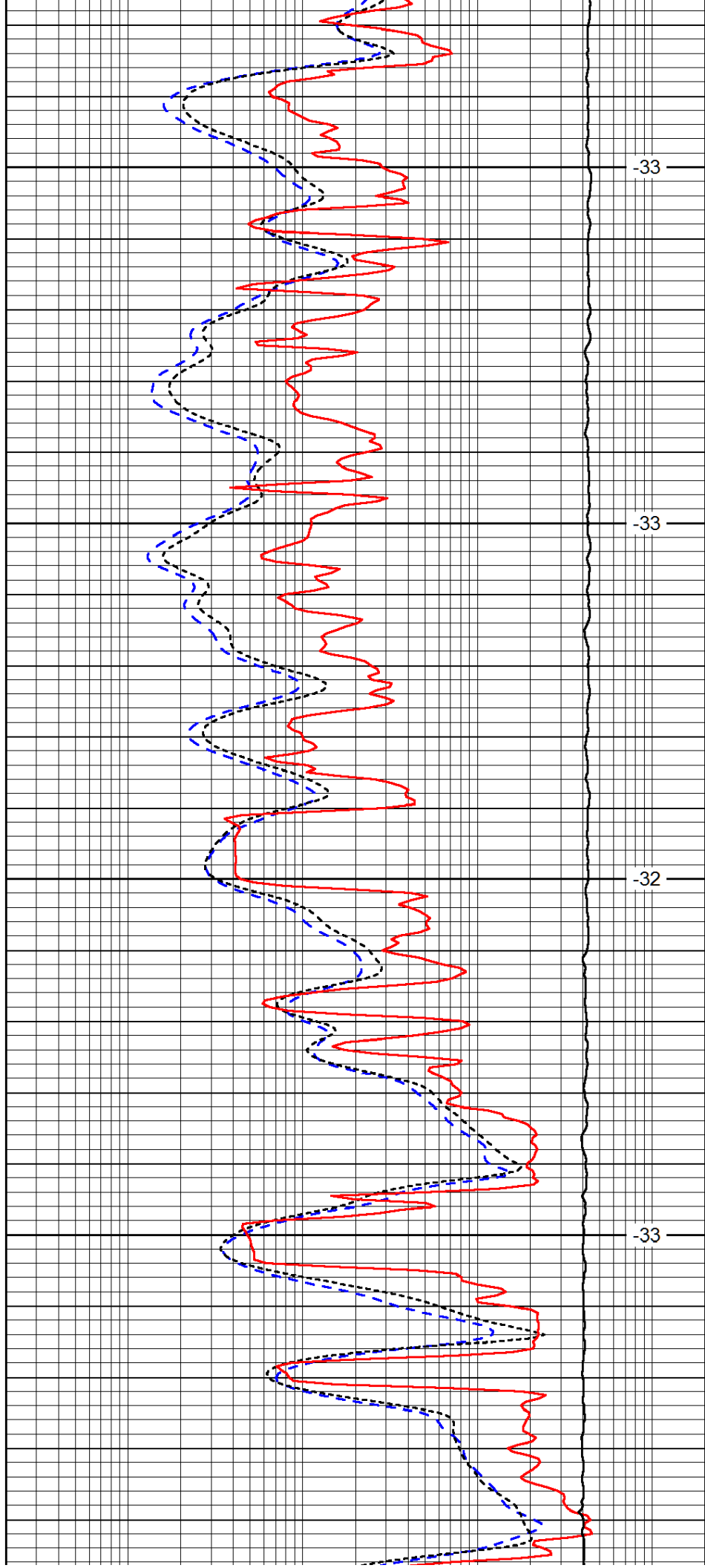


3850

3900

3950

4000

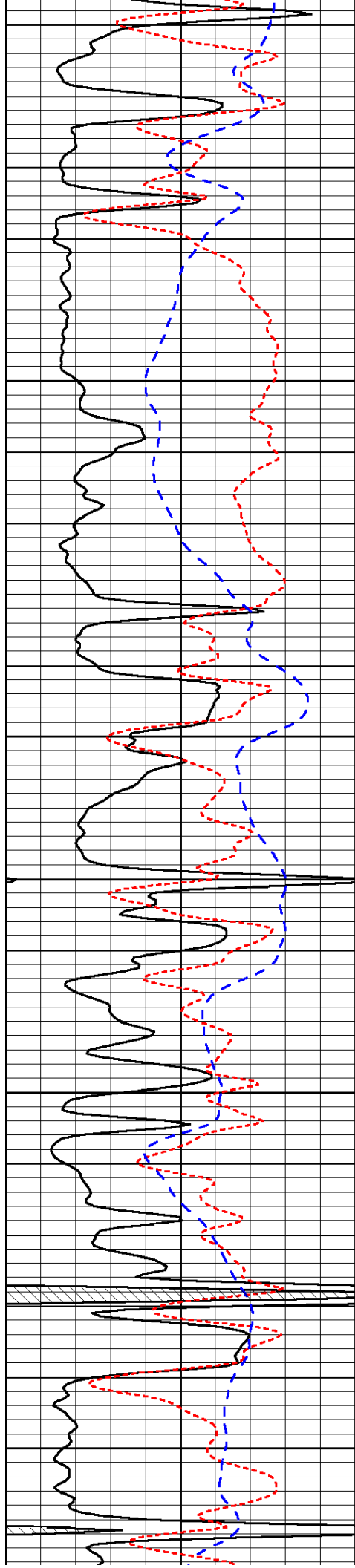


-33

-33

-32

-33



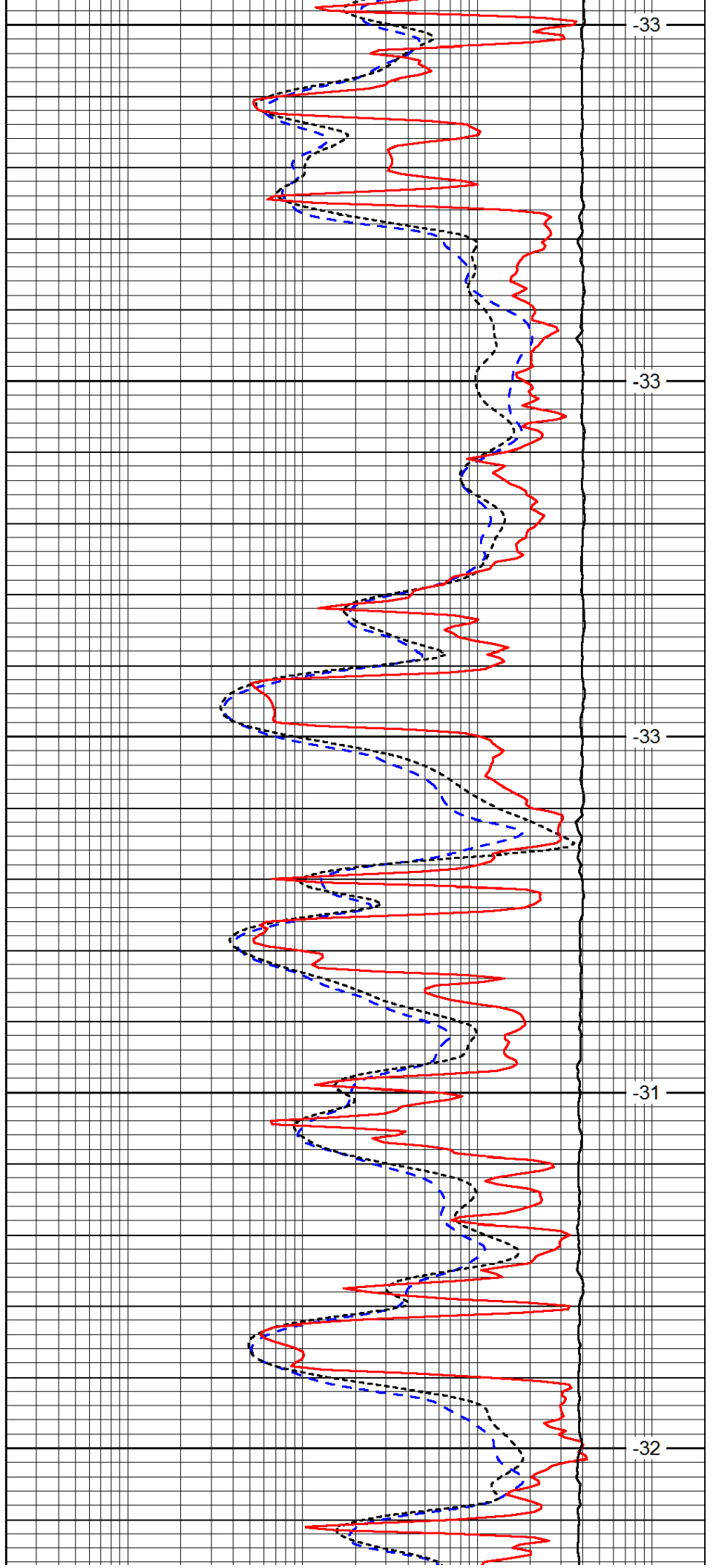
4050

4100

4150

4200

4250



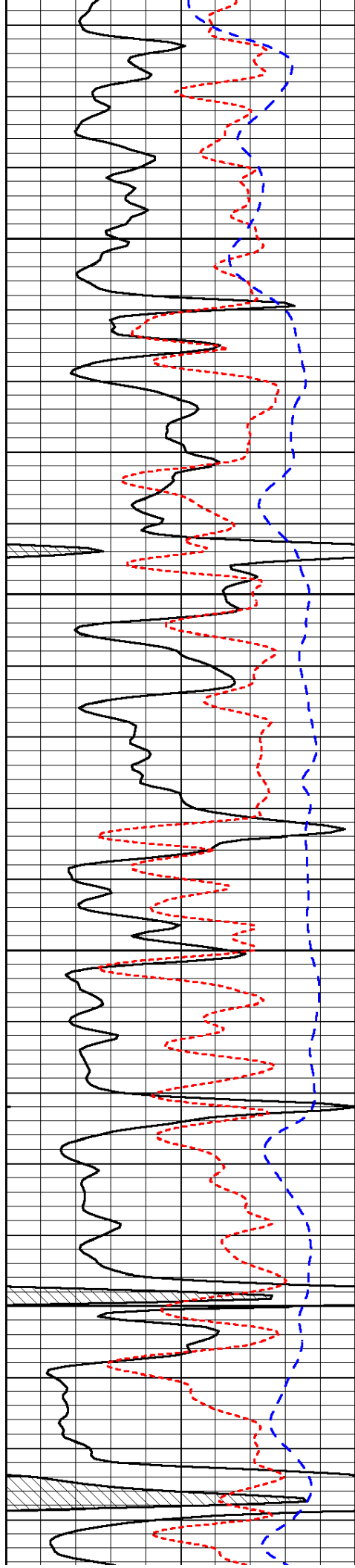
-33

-33

-33

-31

-32

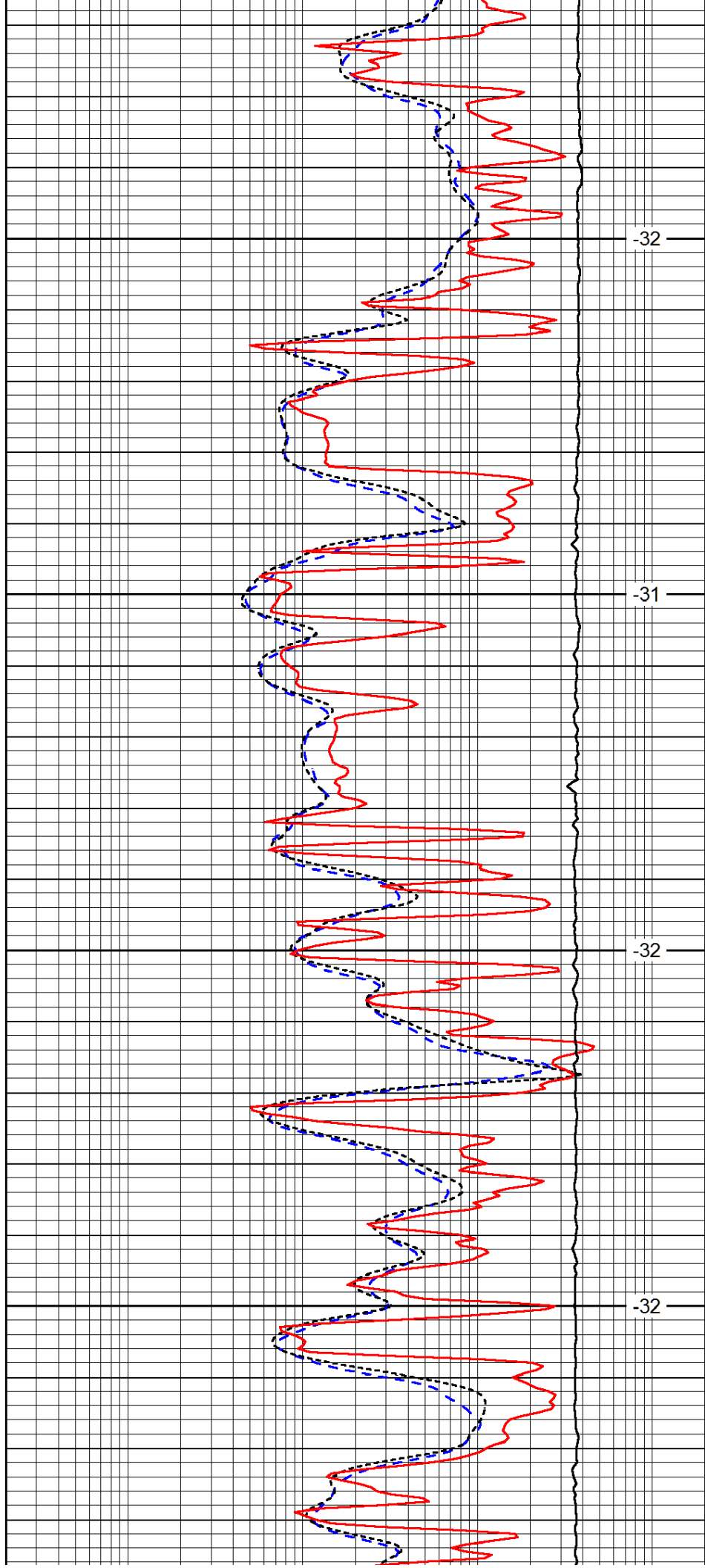


4300

4350

4400

4450

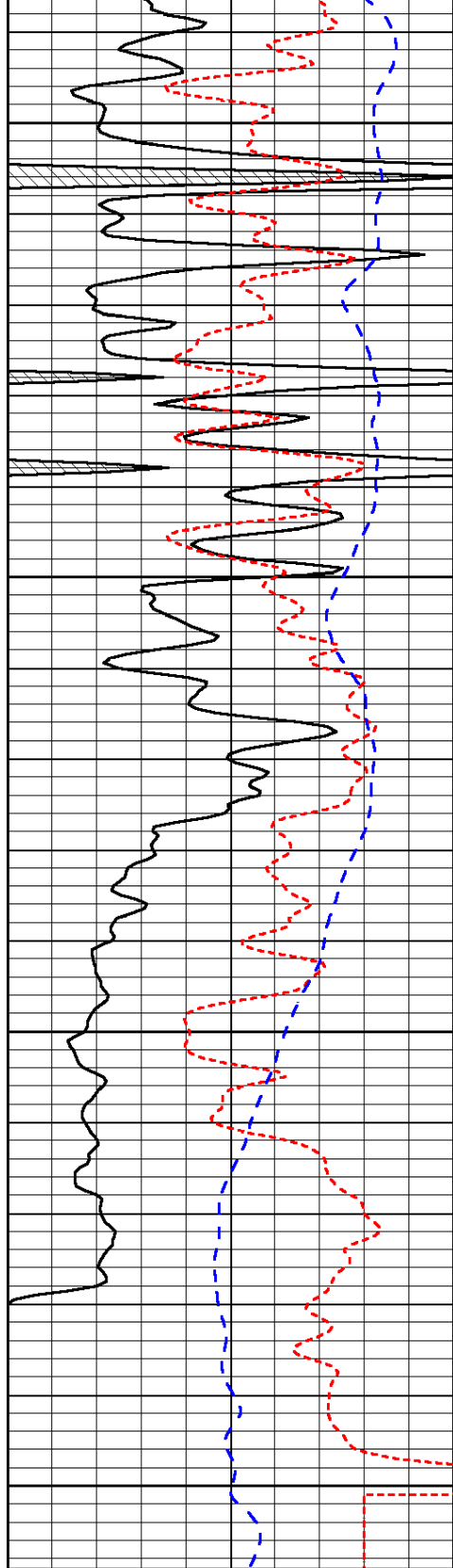


-32

-31

-32

-32



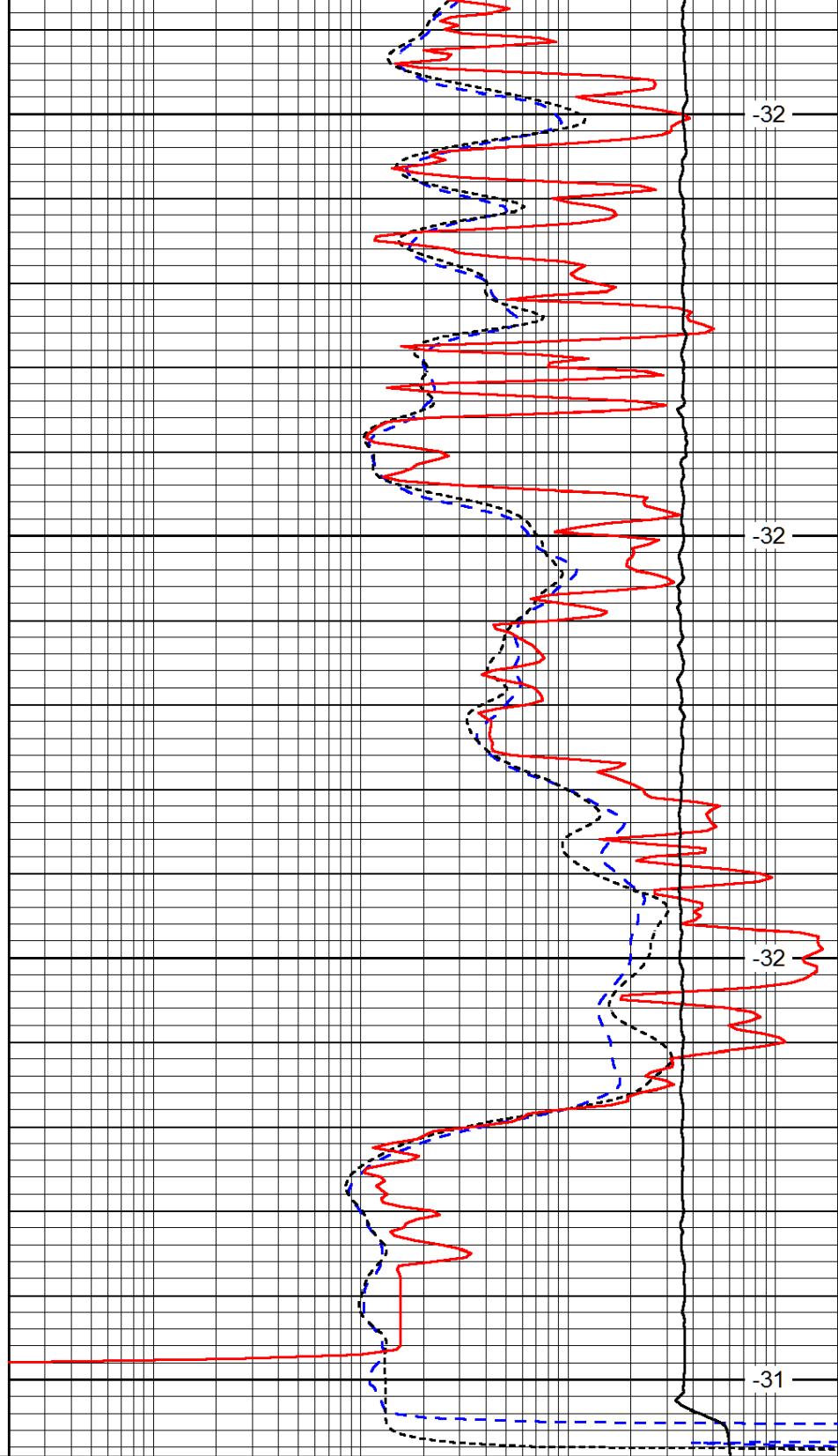
0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

4500

4550

4600

4650



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)