



Dual Induction Log

Pioneer Energy Services

API No.

15-079-20698-00-00

Company Palomino Petroleum, Inc.

Well Busenitz Trusts #1

Field Annelly

County

Harvey

State

Kansas

Location

1638' FSL & 916' FEL

Other Services
CNL/CDL

Sec: 2

Twp: 24S

Rge: 2E

Permanent Datum

Log Measured From Kelly Bushing

Ground Level Kelly Bushing

Elevation 1367

Drilling Measured From

Kelly Bushing

9 Ft. Above Perm. Datum

K.B. 1376
D.F. 1367
G.L. 1367

Date

1/19/2013

Run Number

One

Depth Driller

3190

Depth Logger

3191

Bottom Logged Interval

3190

Top Log Interval

200

Casing Driller

8.625 @ 220

Casing Logger

220

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

1300

Density / Viscosity

9.4

pH / Fluid Loss

10.0

Source of Sample

Flowline

Rm @ Meas. Temp

2.10 @ 44

Rmf @ Meas. Temp

1.58 @ 44

Rmc @ Meas. Temp

2.84 @ 44

Source of Rmf / Rmc

Charts

Rm @ BHT

0.84 @ 110

Operating Rig Time

3 Hours

Max Rec. Temp. F

110

Equipment Number

91

Location

Hays

Recorded By

D. Schmidt

Witnessed By

Nick Gerstner

<<< Fold Here >>>

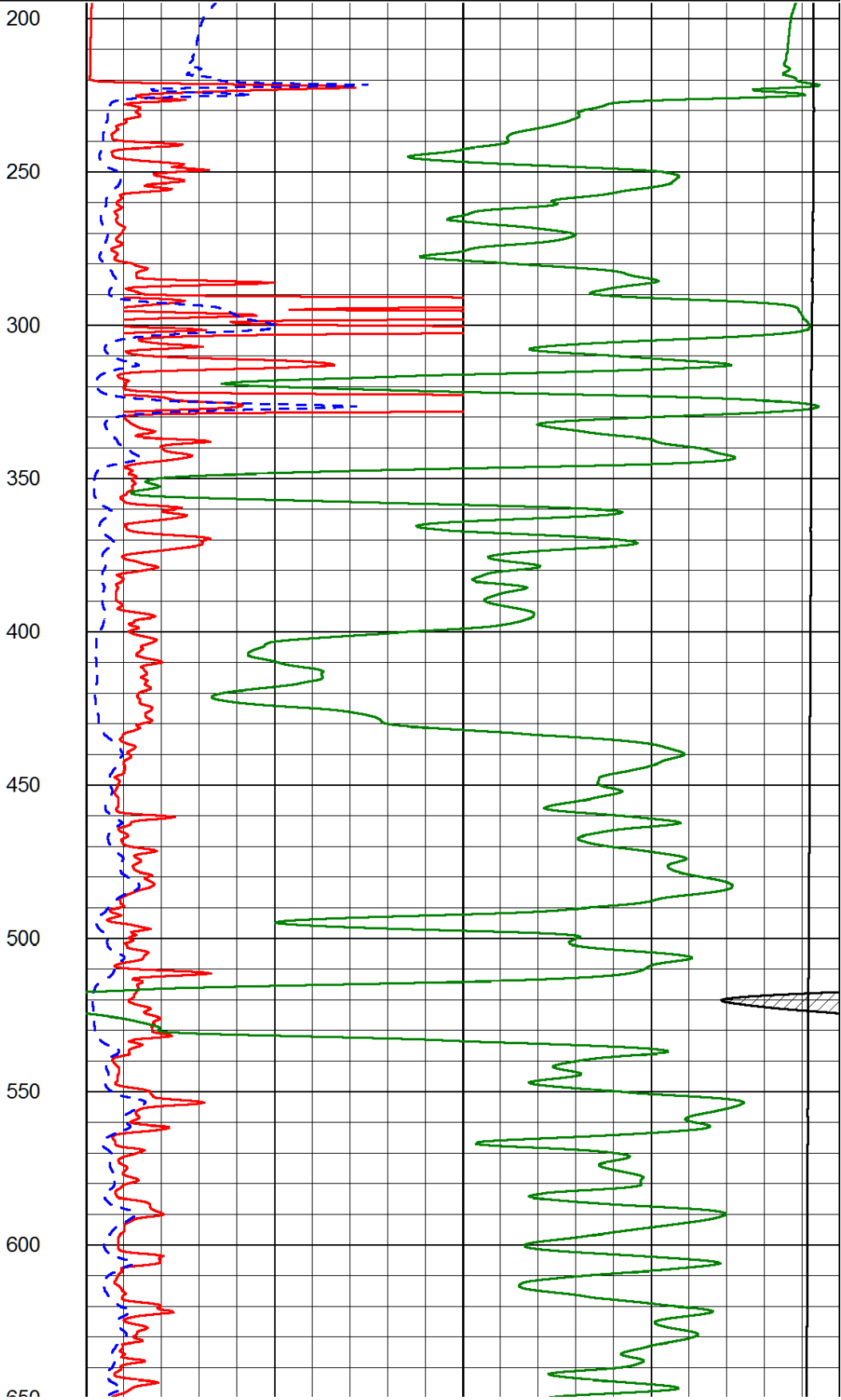
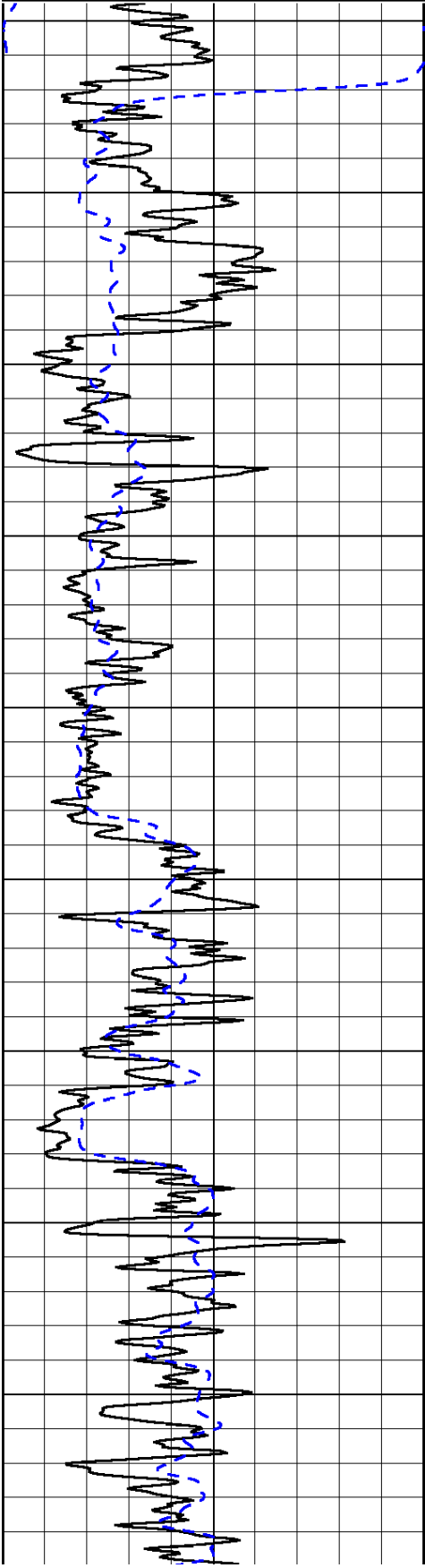
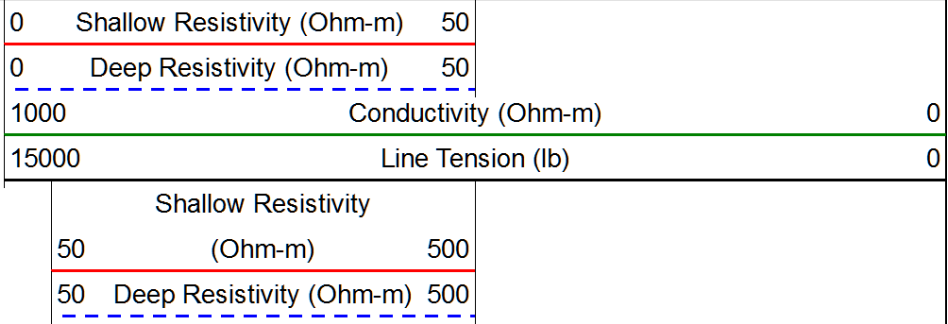
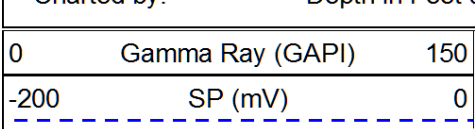
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

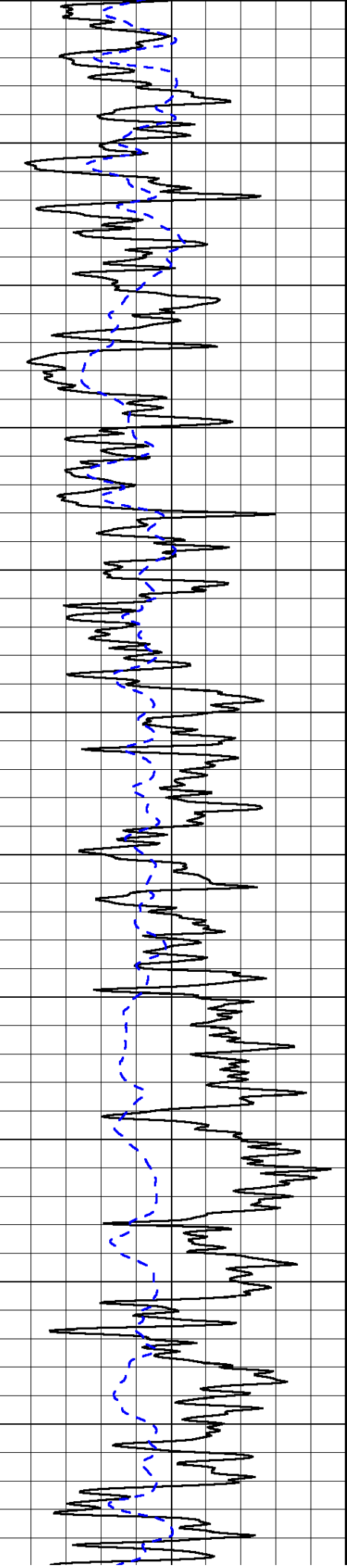
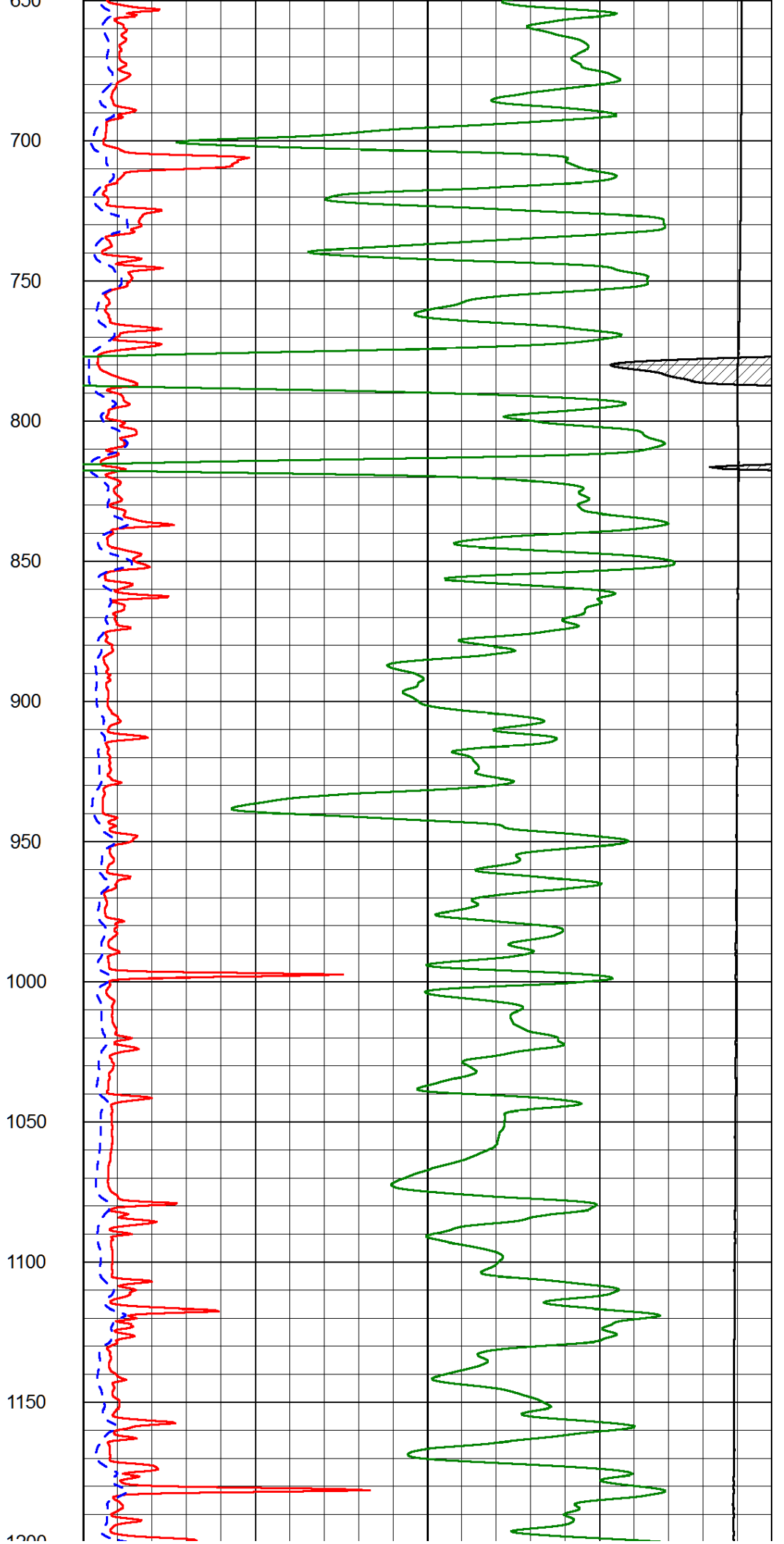
Comments

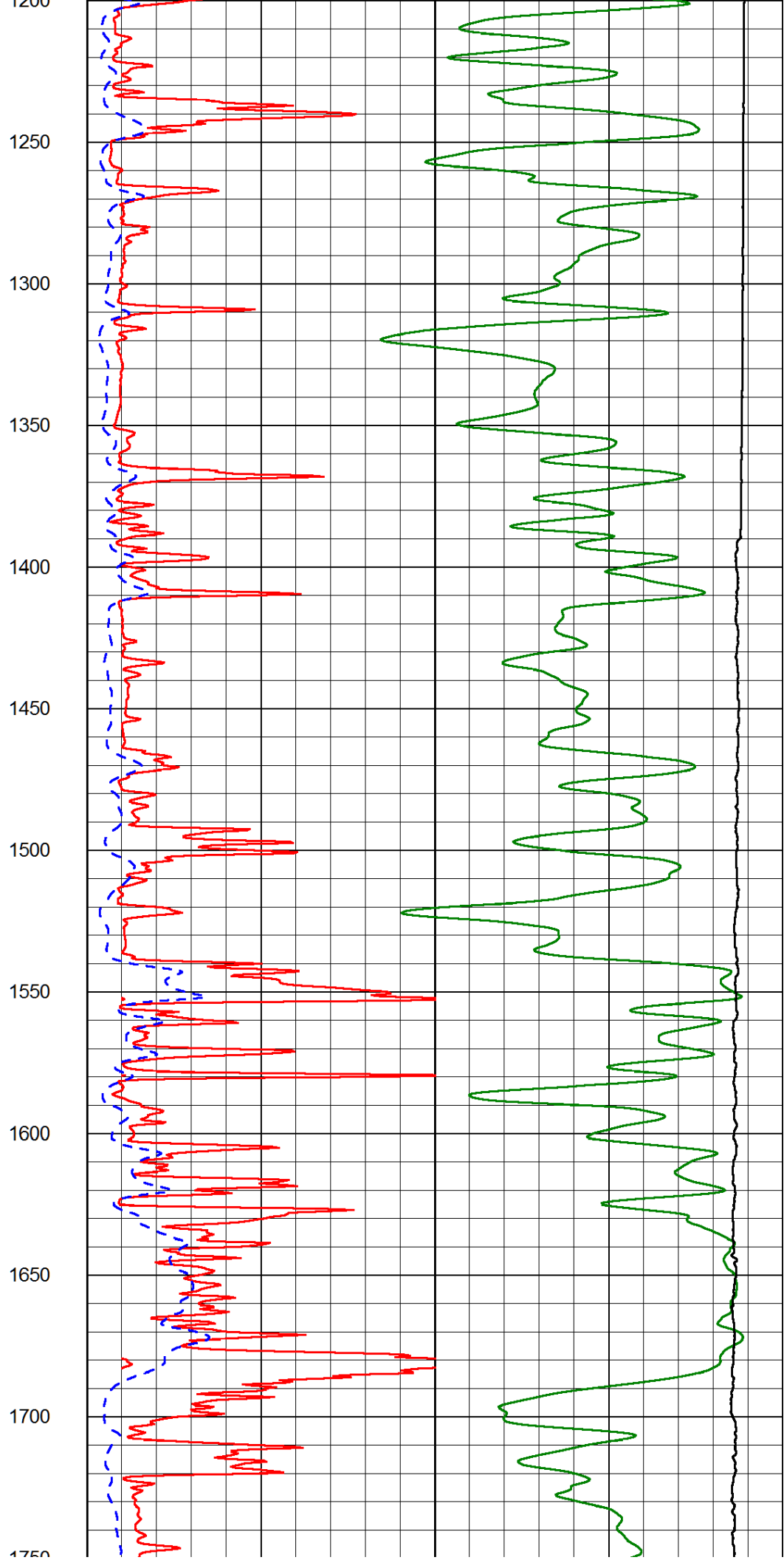
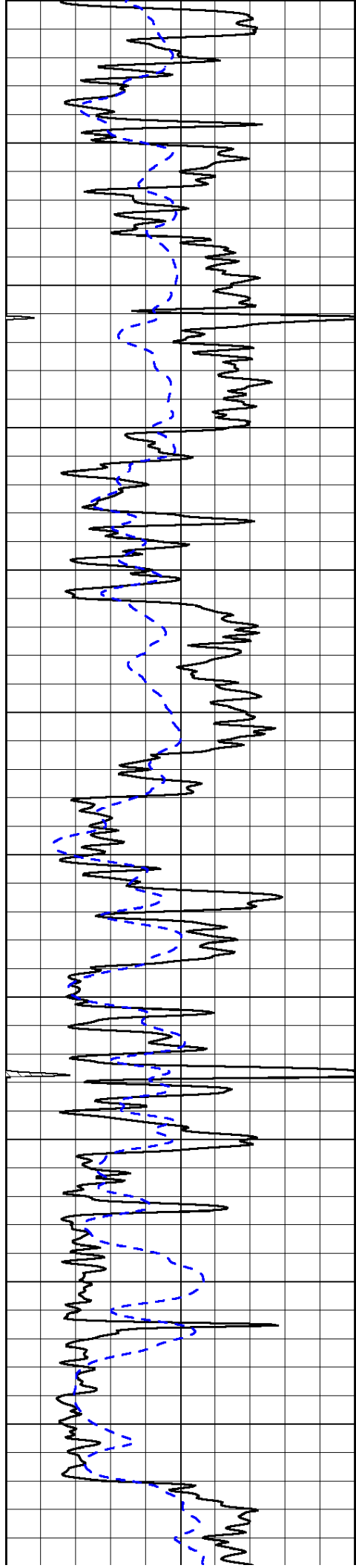
Thank you for using Log-Tech, Inc.
(785) 625-3858

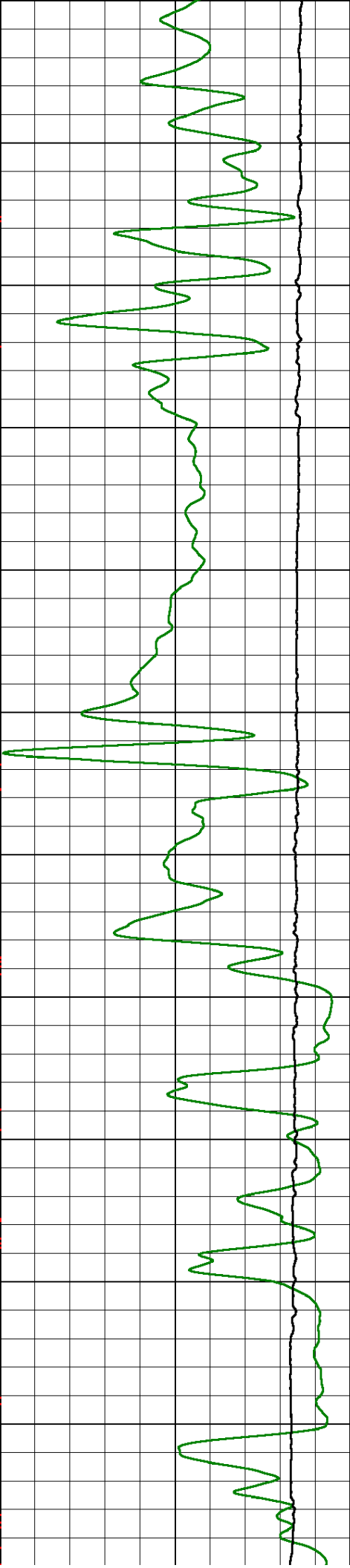
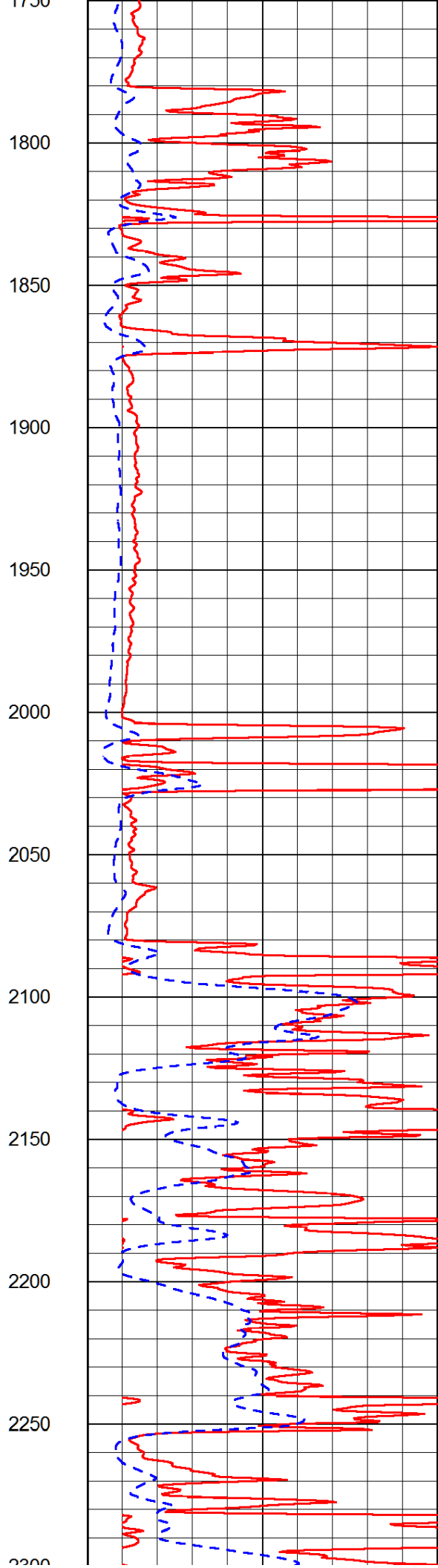
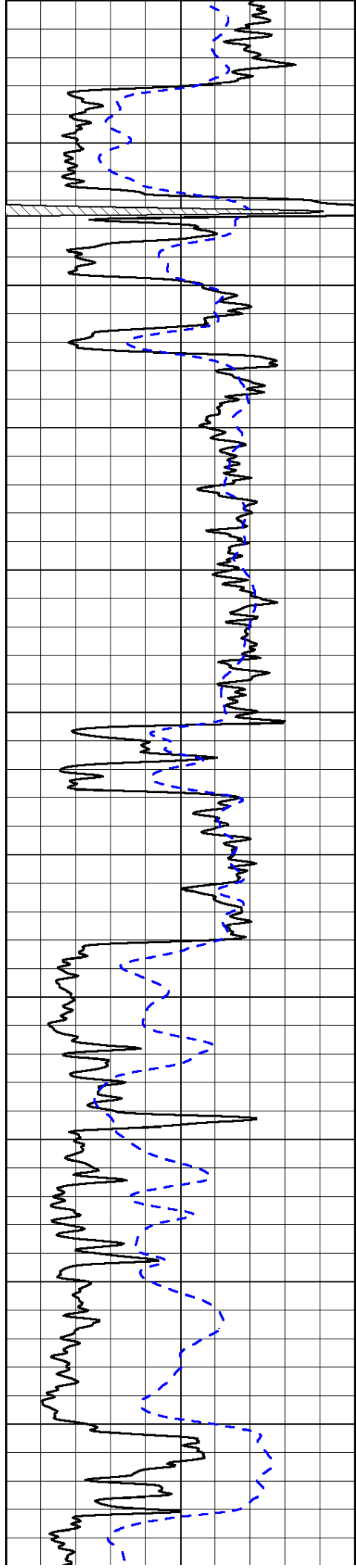
Whitewater,
1 West to Harvest Hill Rd, 2 1/2 North,
West & South into

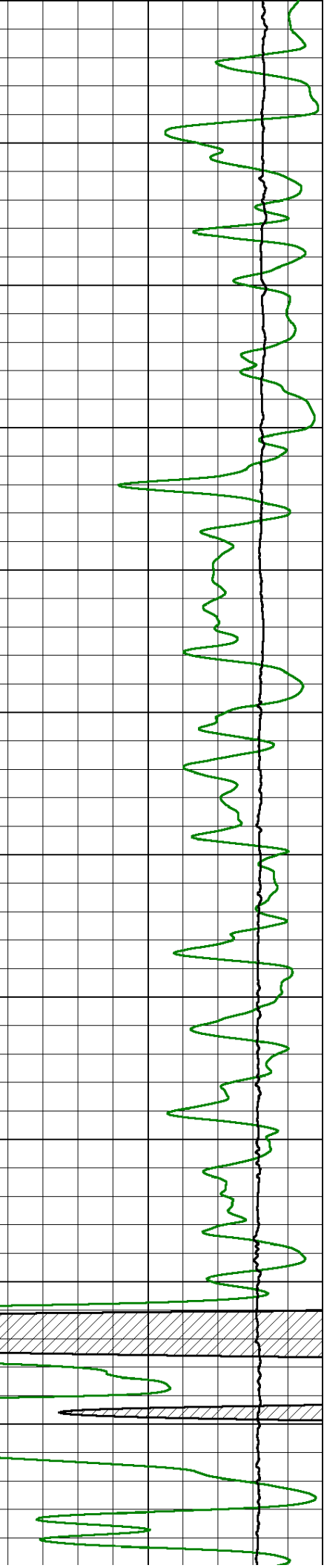
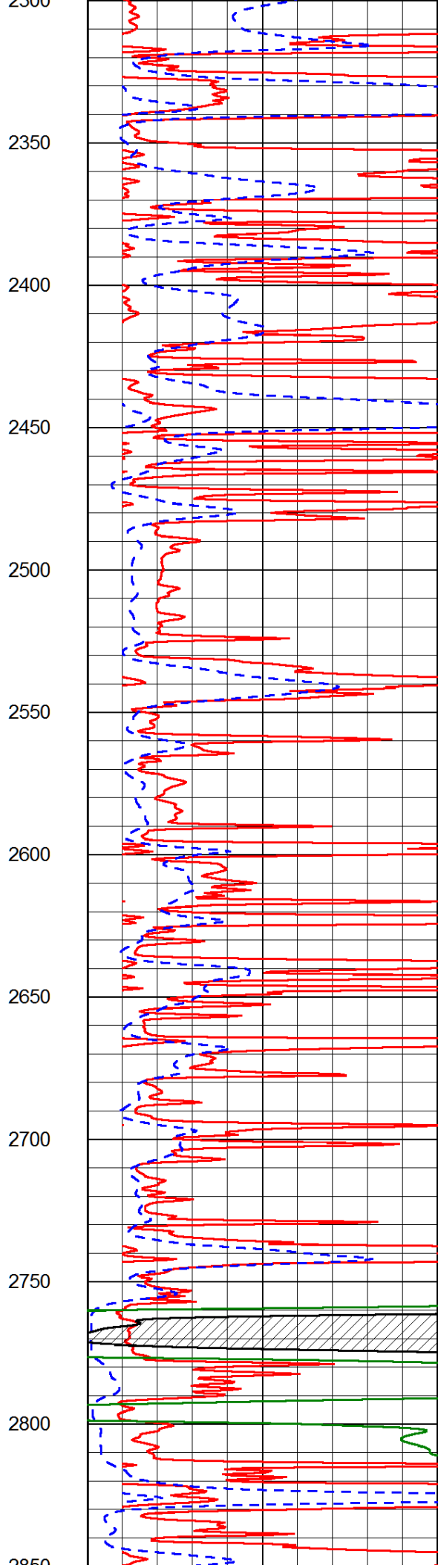
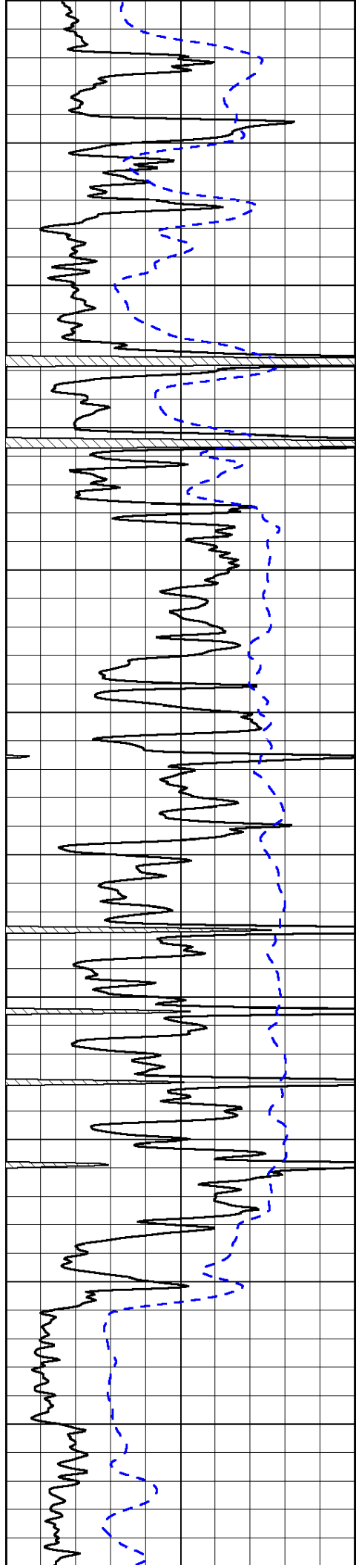
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Presentation Format: dil2in
Dataset Creation: Sat Jan 19 10:02:29 2013
Charted by: Depth in Feet scaled 1:600

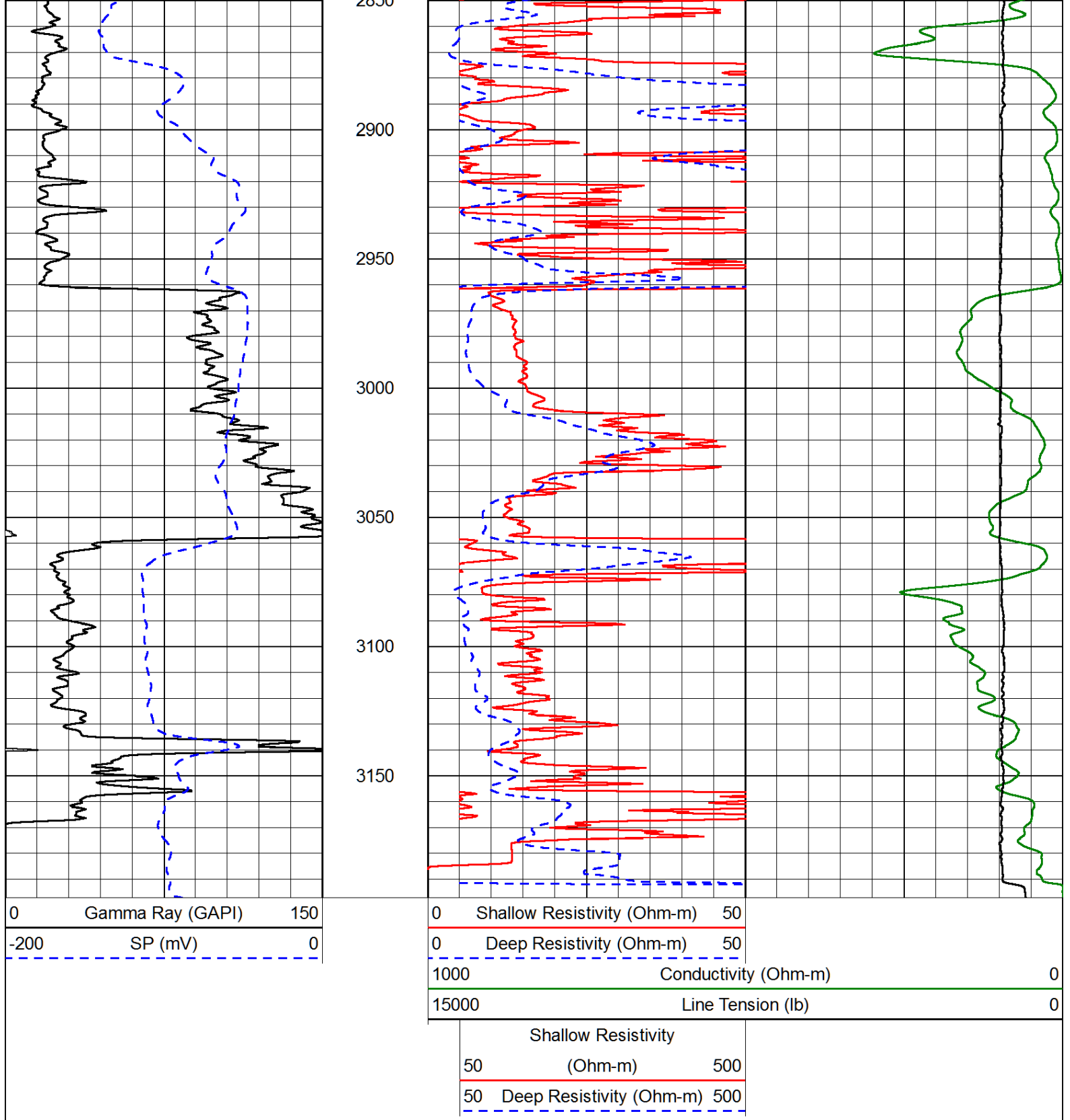




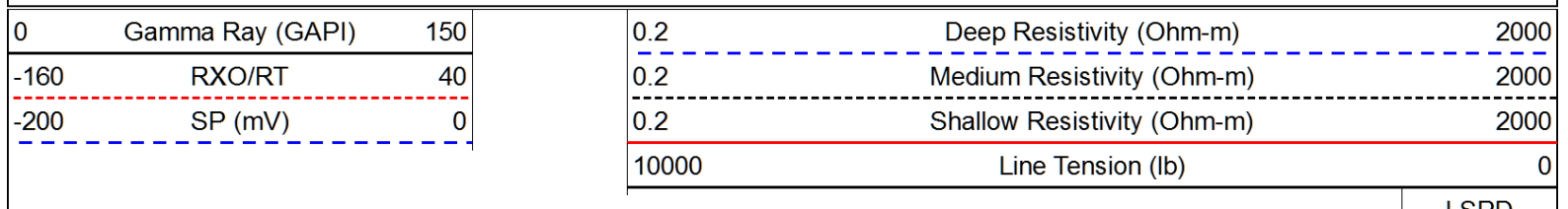




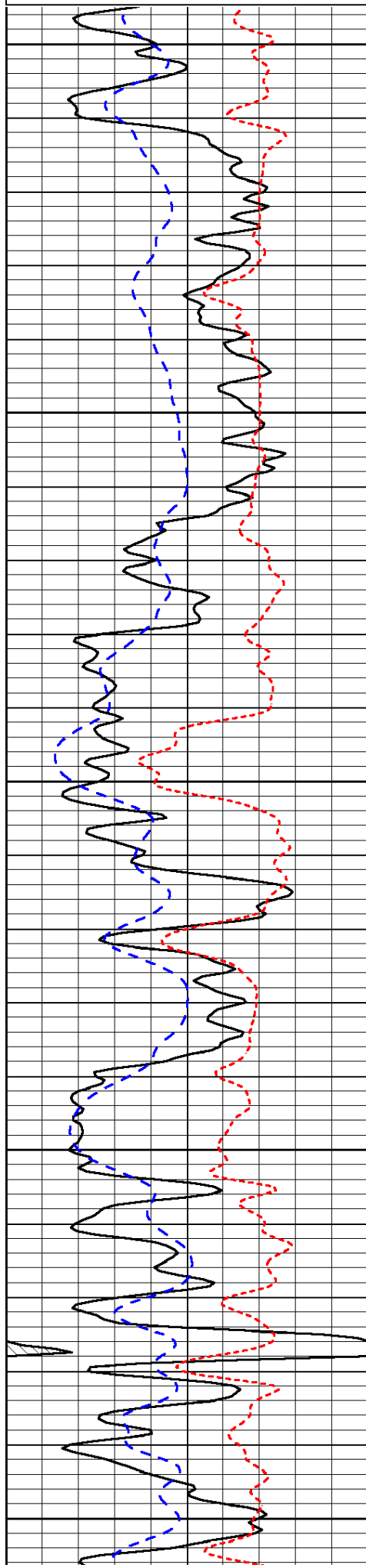




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Dataset Pathname: dil/palstack3
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LOG D
(ft/min)



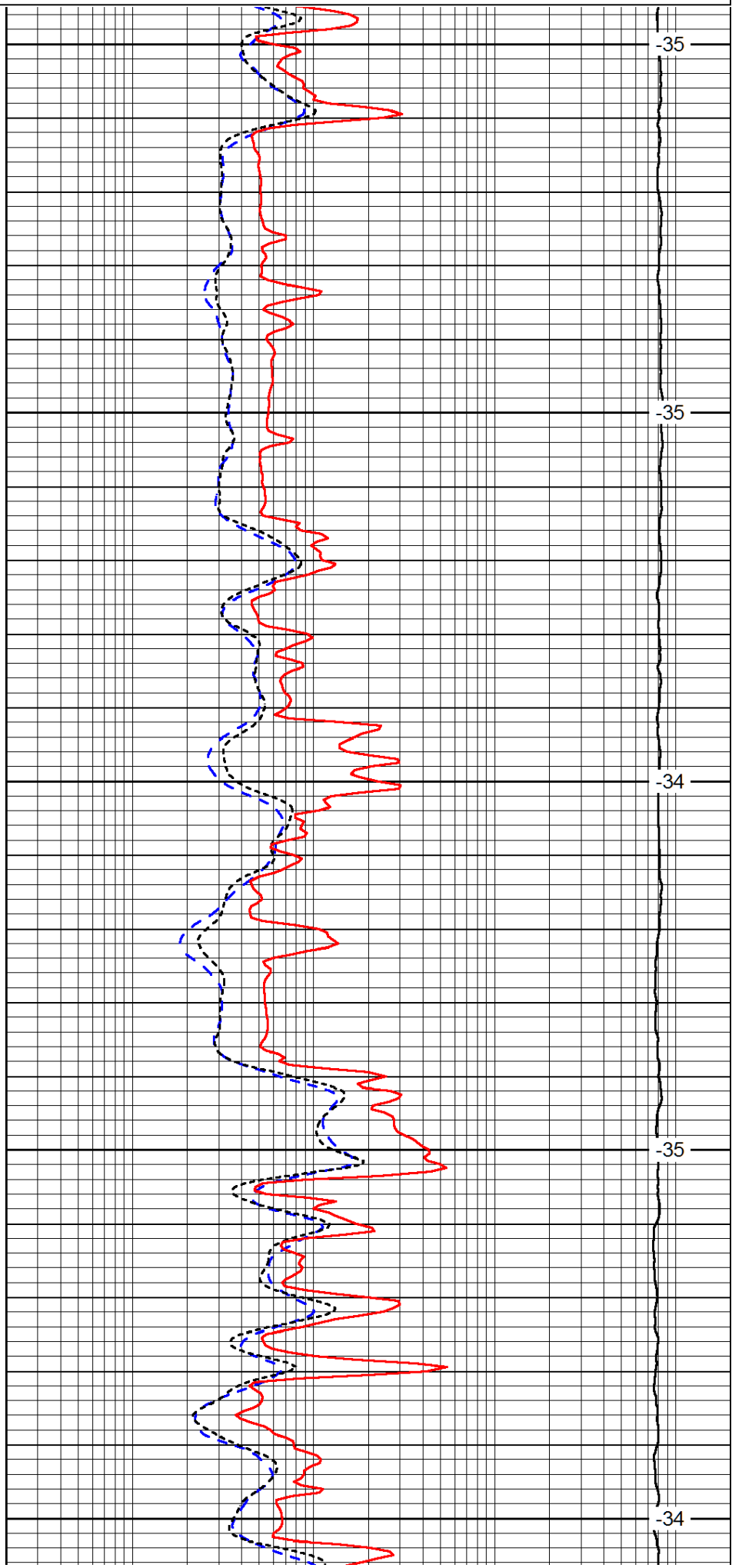
1400

1450

1500

1550

1600



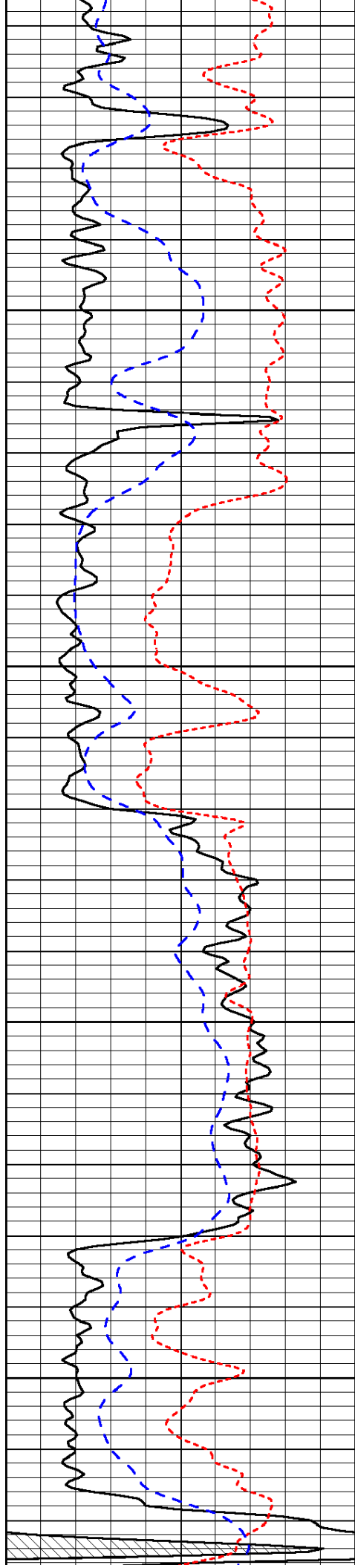
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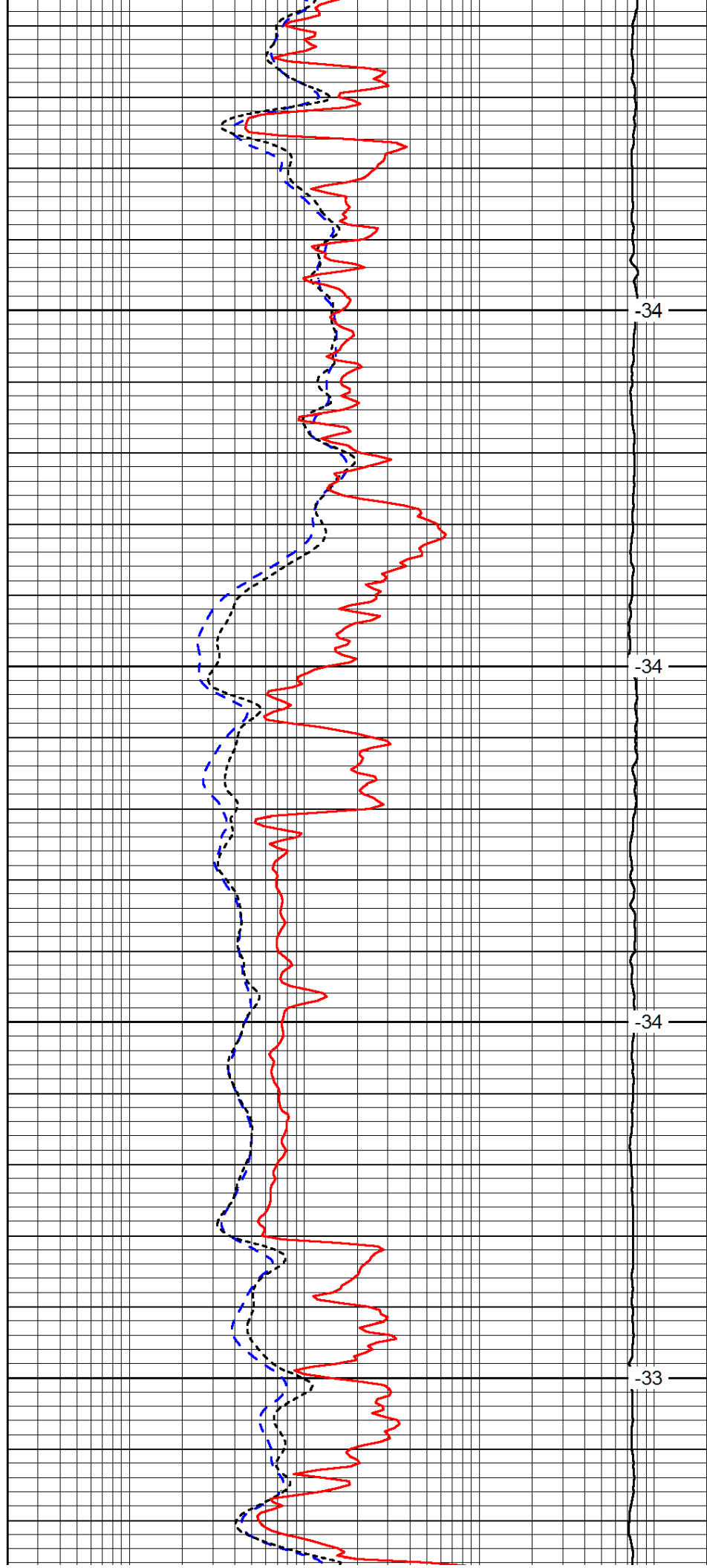


1650

1700

1750

1800

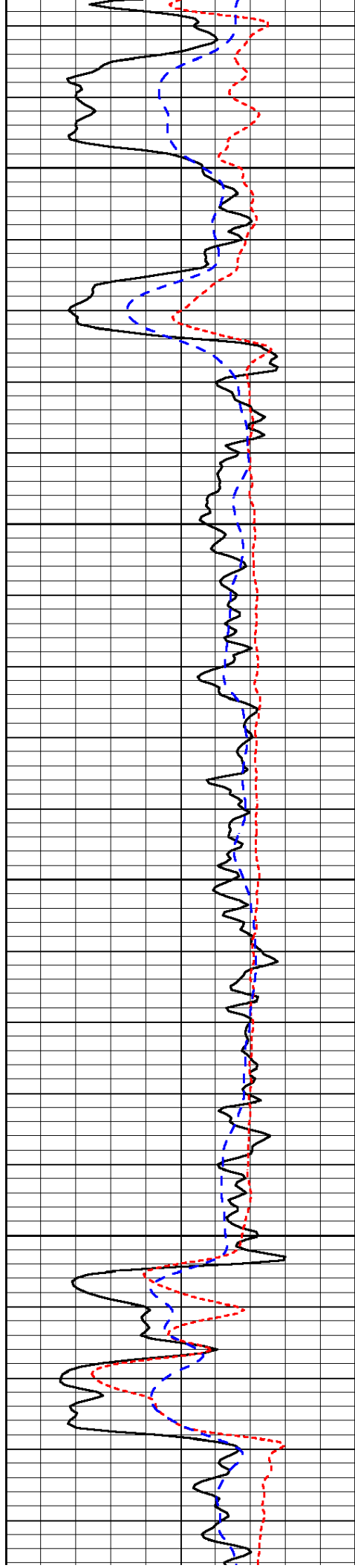


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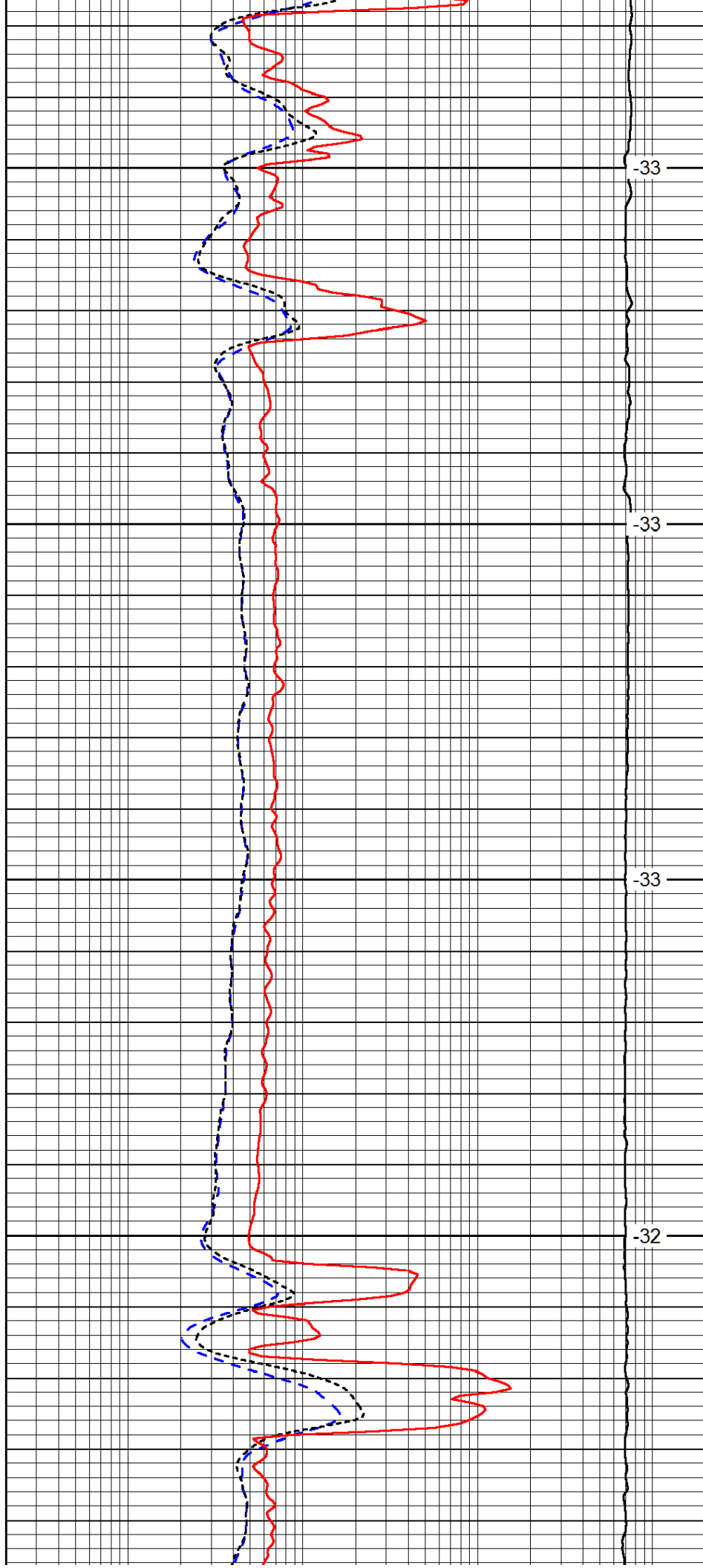


1850

1900

1950

2000

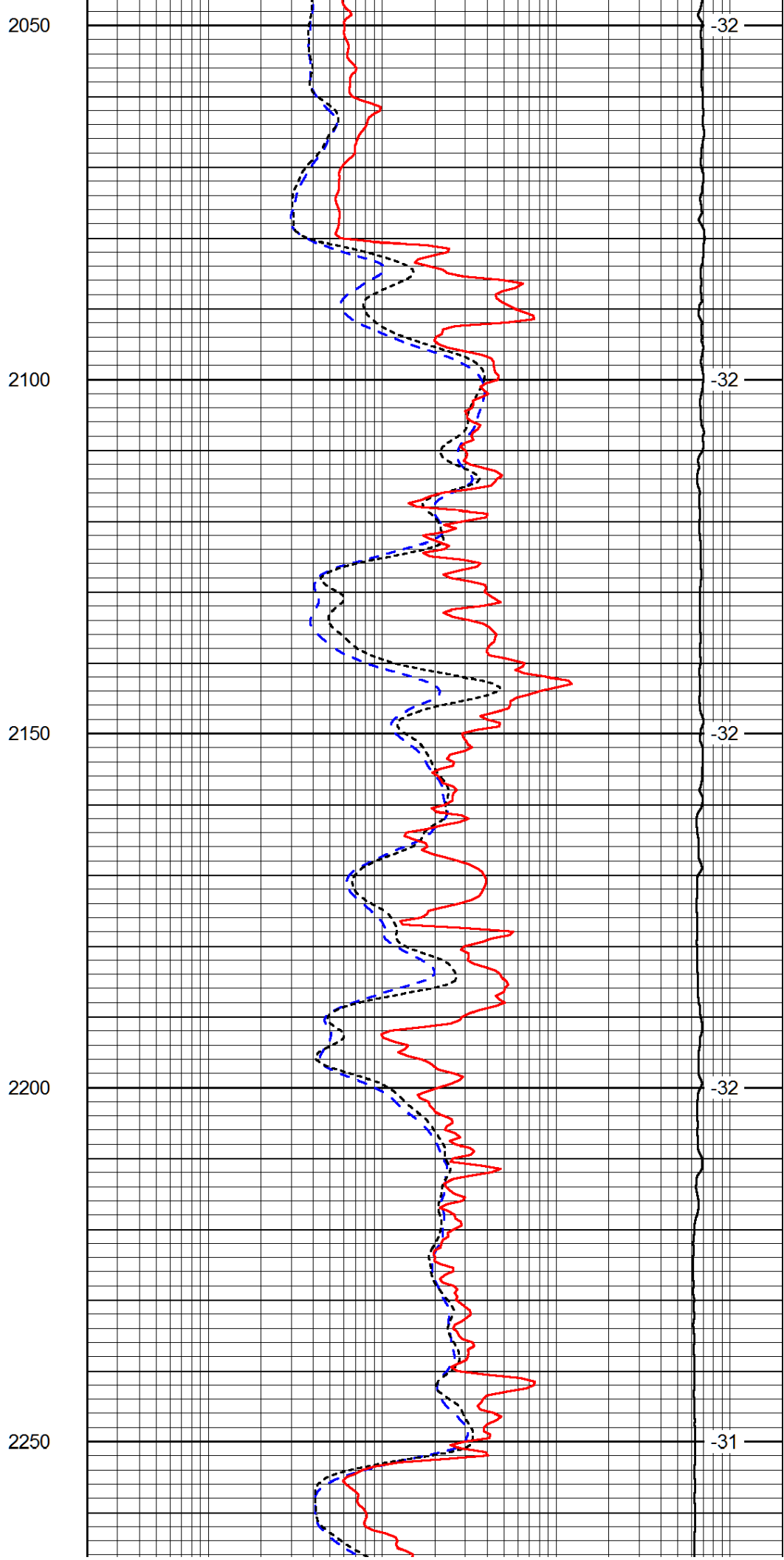
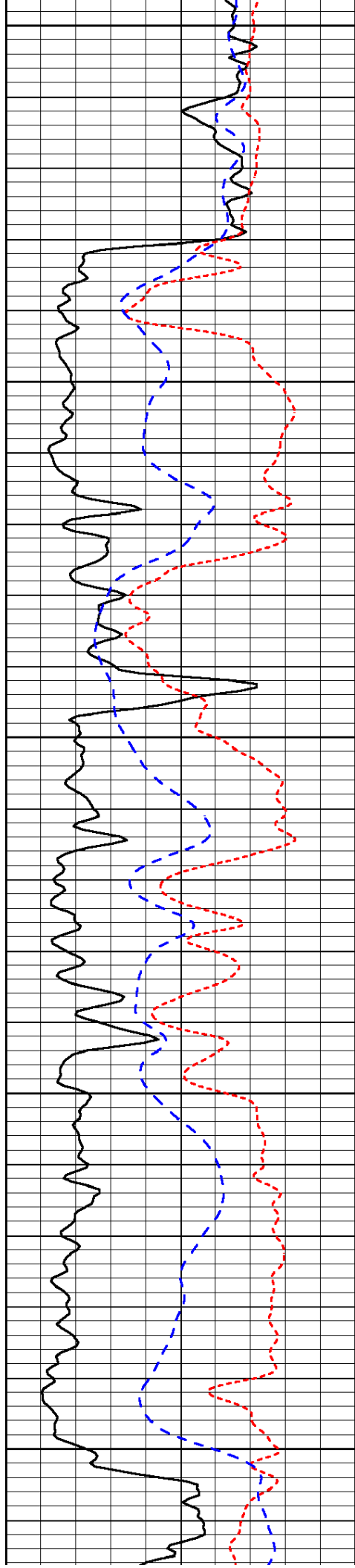


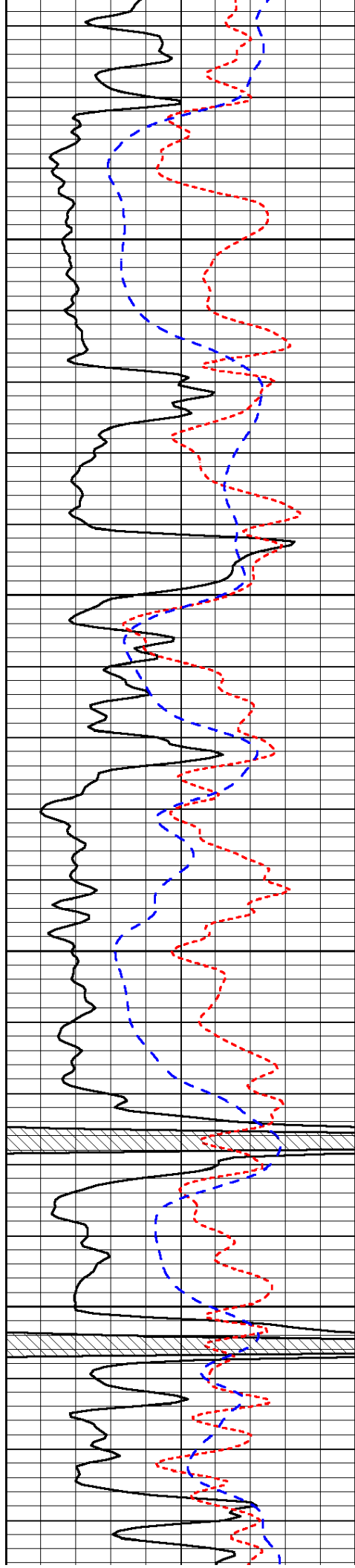
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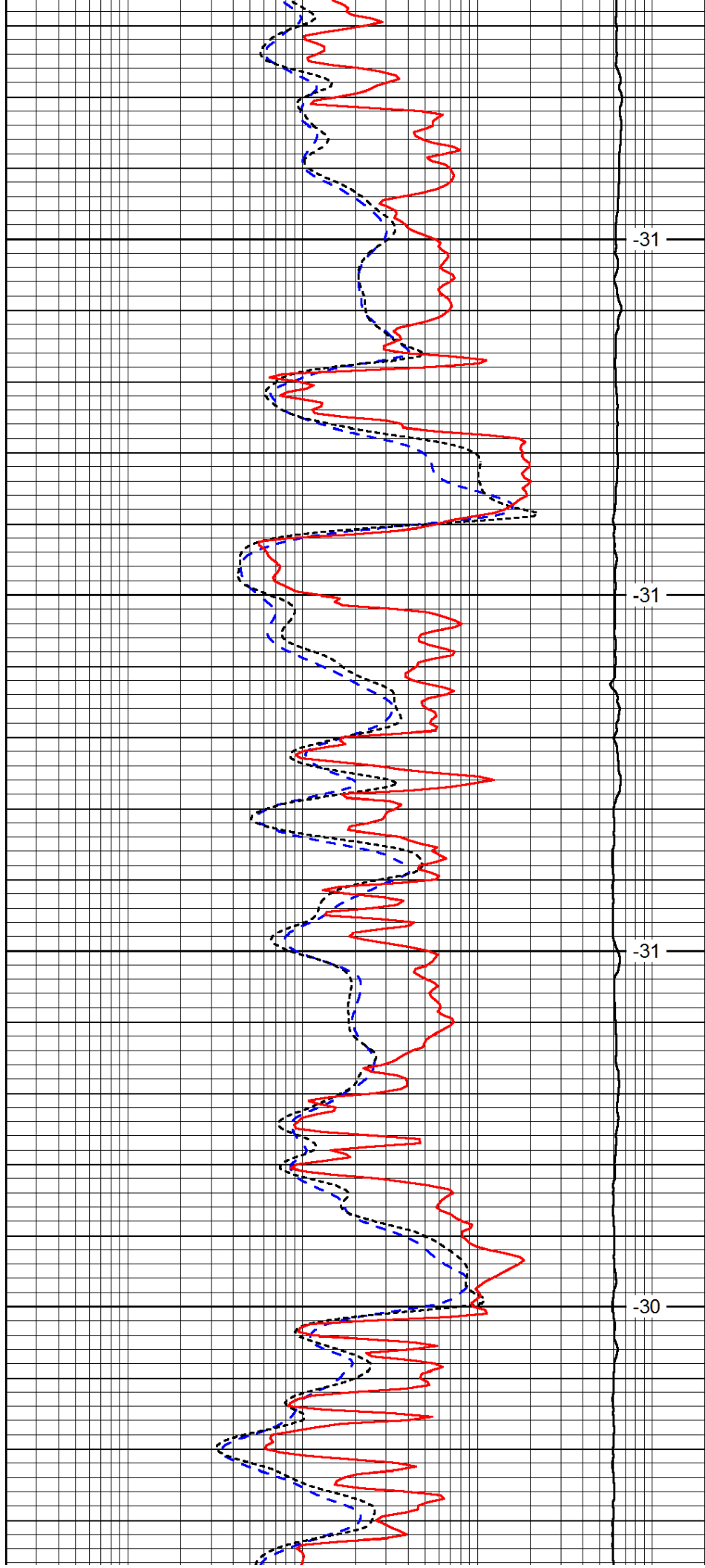


2300

2350

2400

2450

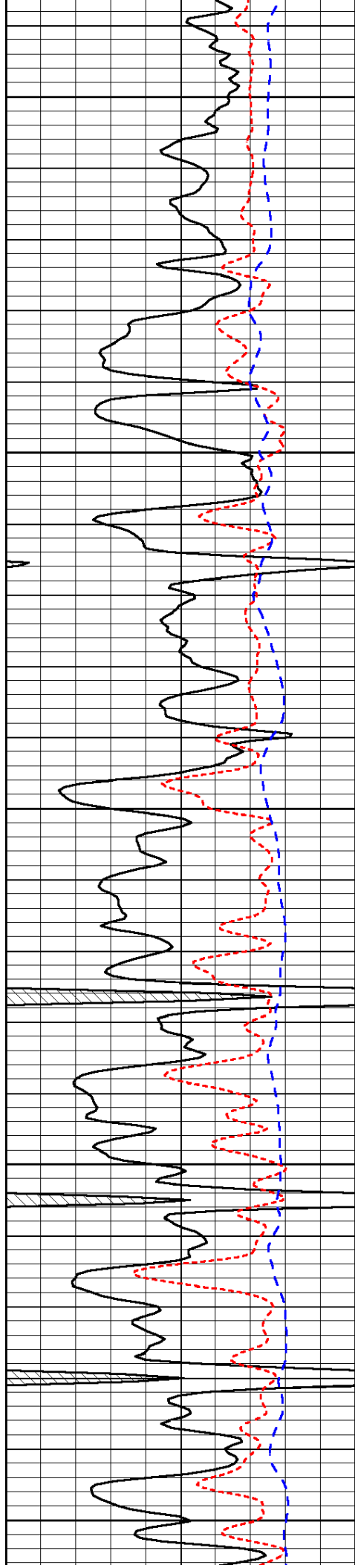


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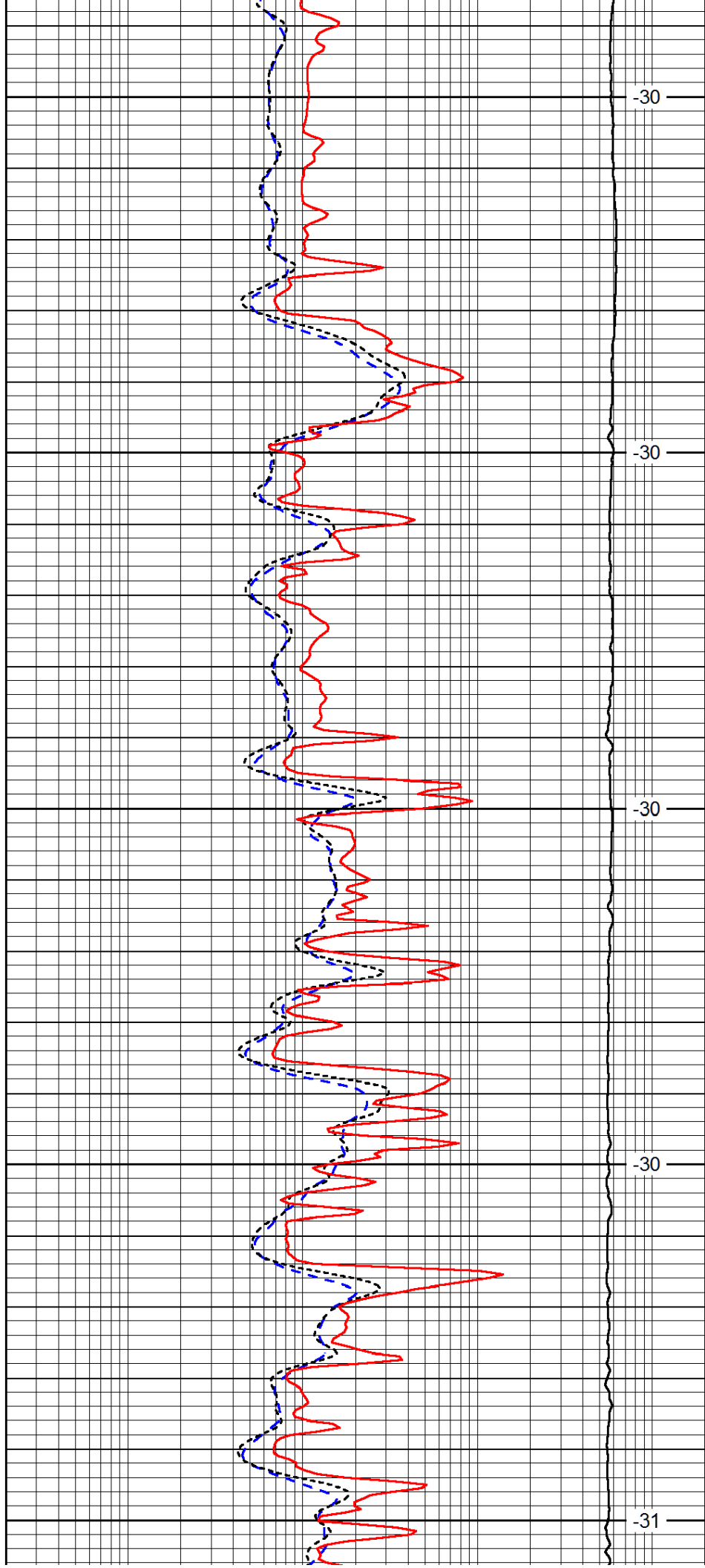
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2550

2600

2650

2700



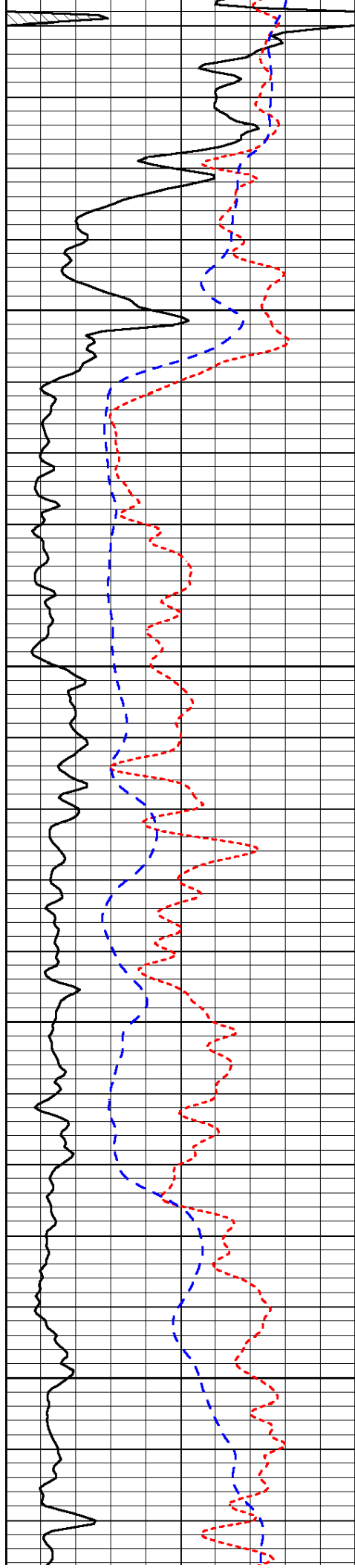
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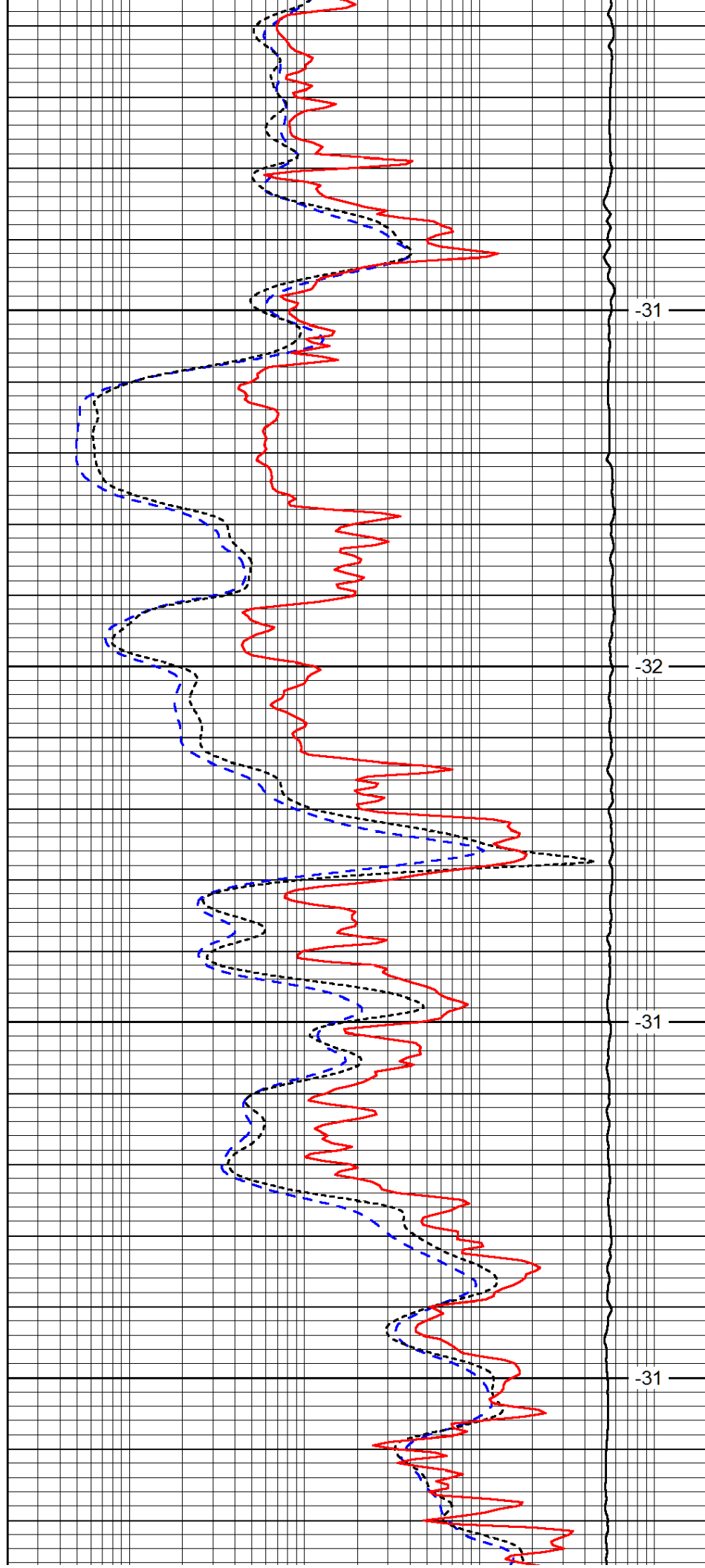


2750

2800

2850

2900

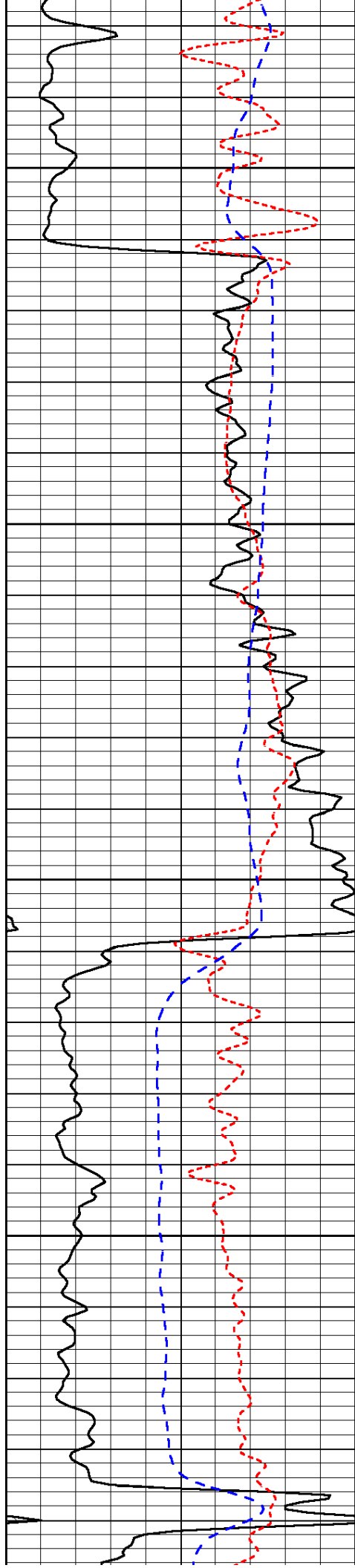


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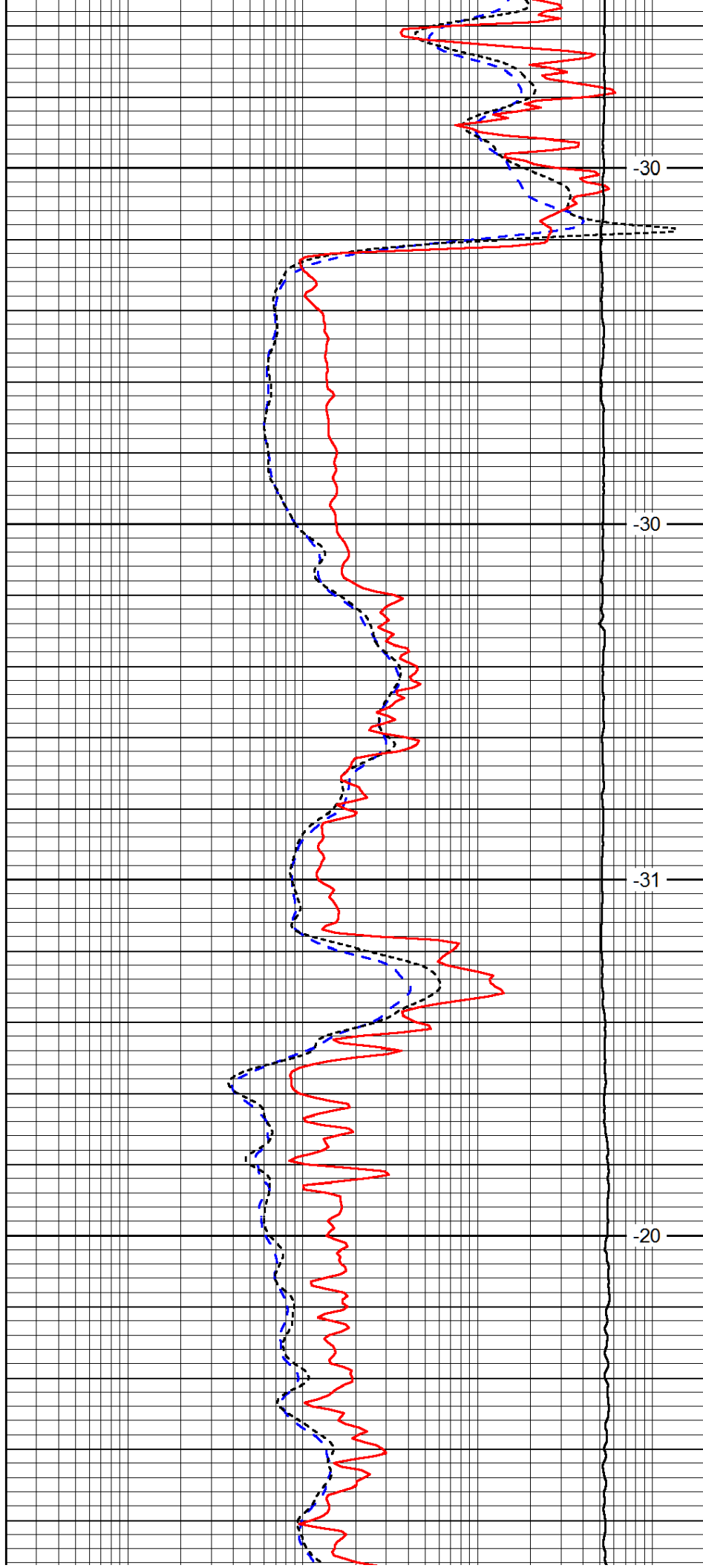


2950

3000

3050

3100

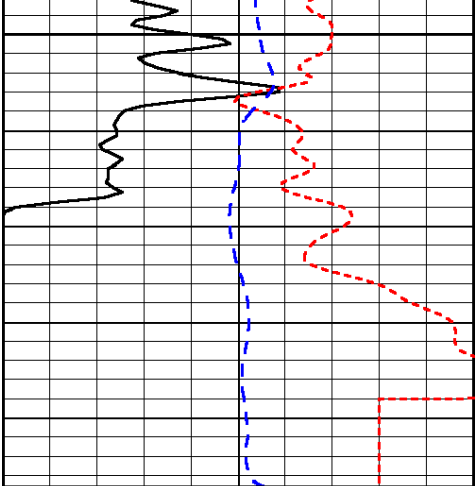


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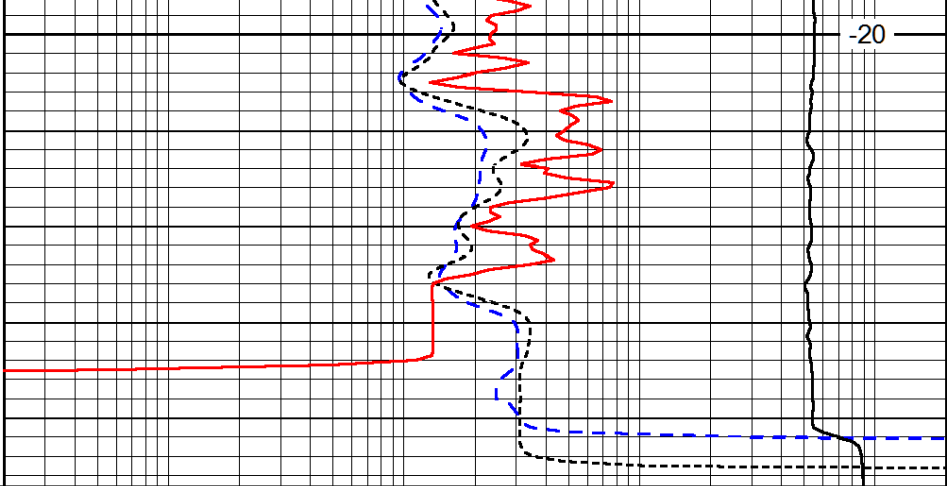
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-20



3150

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



-20

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)