



Dual Induction Log

Pioneer Energy Services

API No.

15-171-20990-00-00

Company **Landmark Resources, Inc.**

Well **Decker #3-9**

Field **Wildcat**

County **Scott** State

Kansas

Location **1808' FSL & 1792' FEL**

Sec: **9** Twp: **17S** Rge: **34W**

Other Services
CNL/CDL
MEL/BHCS

Permanent Datum Ground Level Elevation 3129
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 10/24/2013

Run Number One

Depth Driller 4925

Depth Logger 4925

Bottom Logged Interval 4924

Top Log Interval 250

Casing Driller 8.625 @ 260

Casing Logger 262

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity,ppm CL 10000

Density / Viscosity 9.4 53

pH / Fluid Loss 10.0 12.0

Source of Sample Flowline

Rm @ Meas. Temp 0.35 @ 50

Rmf @ Meas. Temp 0.26 @ 50

Rmc @ Meas. Temp 0.47 @ 50

Source of Rmf / Rmc Charts

Rm @ BHT 0.14 @ 127

Operating Rig Time 5 Hours

Max Rec. Temp. F 127

Equipment Number 91

Location Hays

Recorded By D. Schmitt

Witnessed By Terry McLeod

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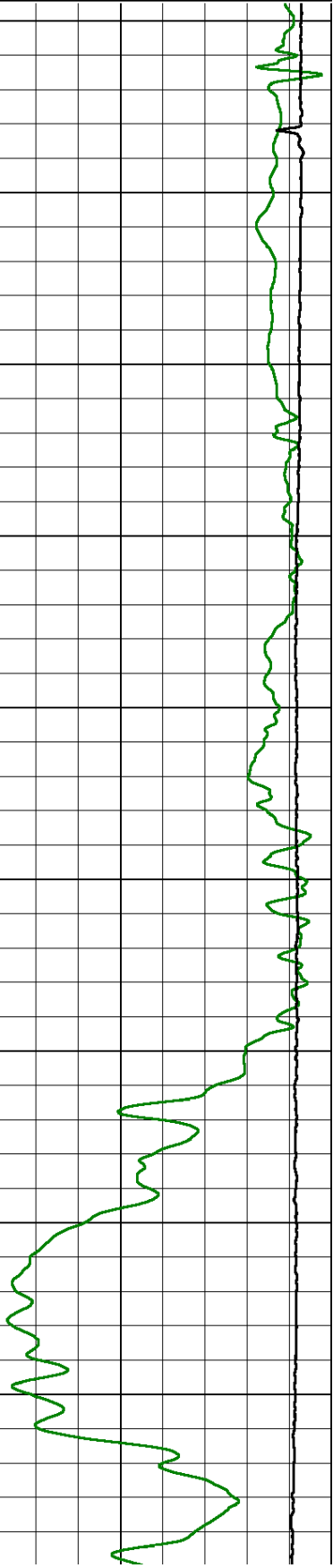
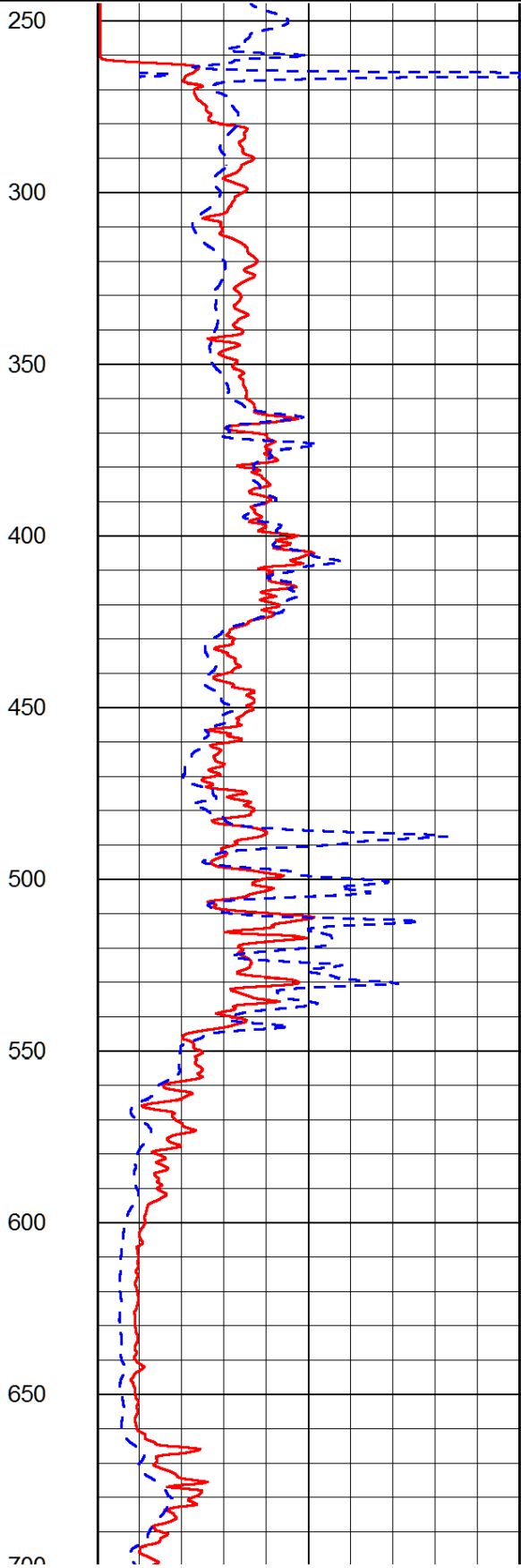
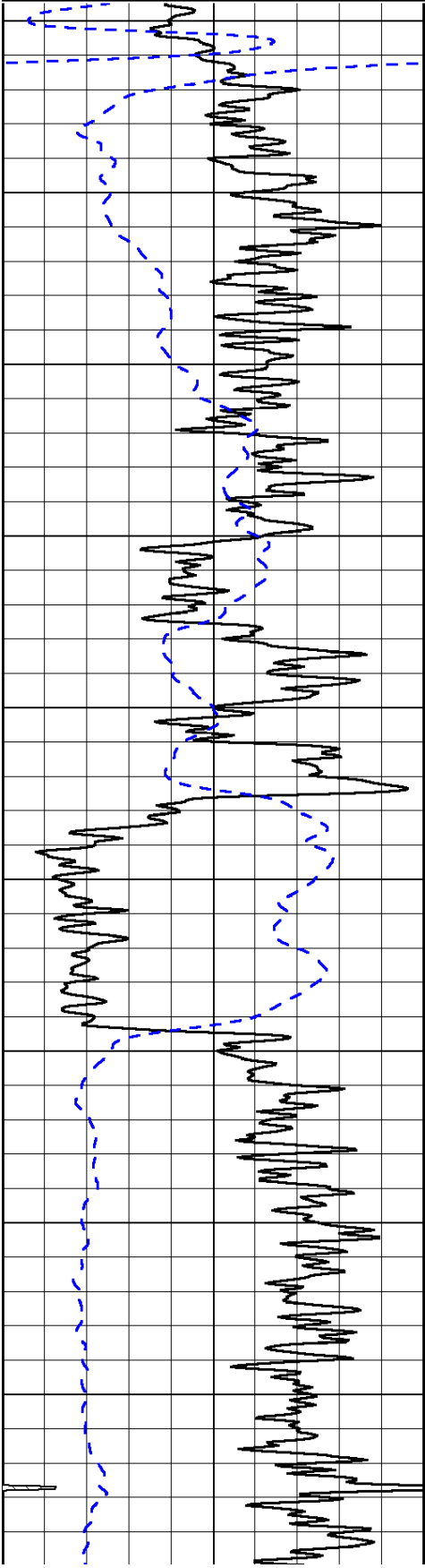
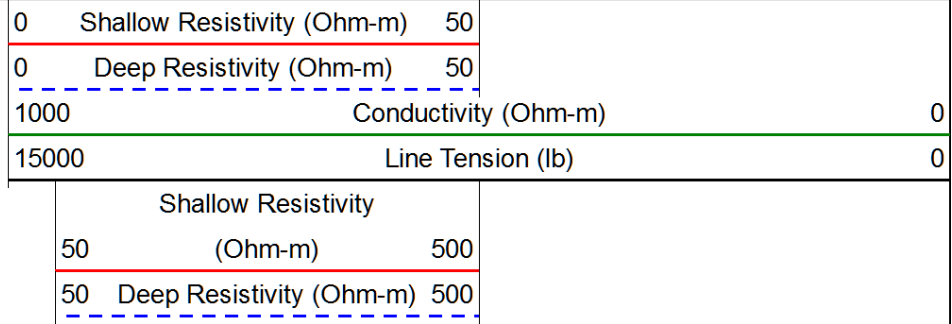
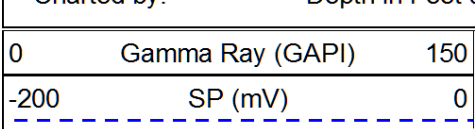
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

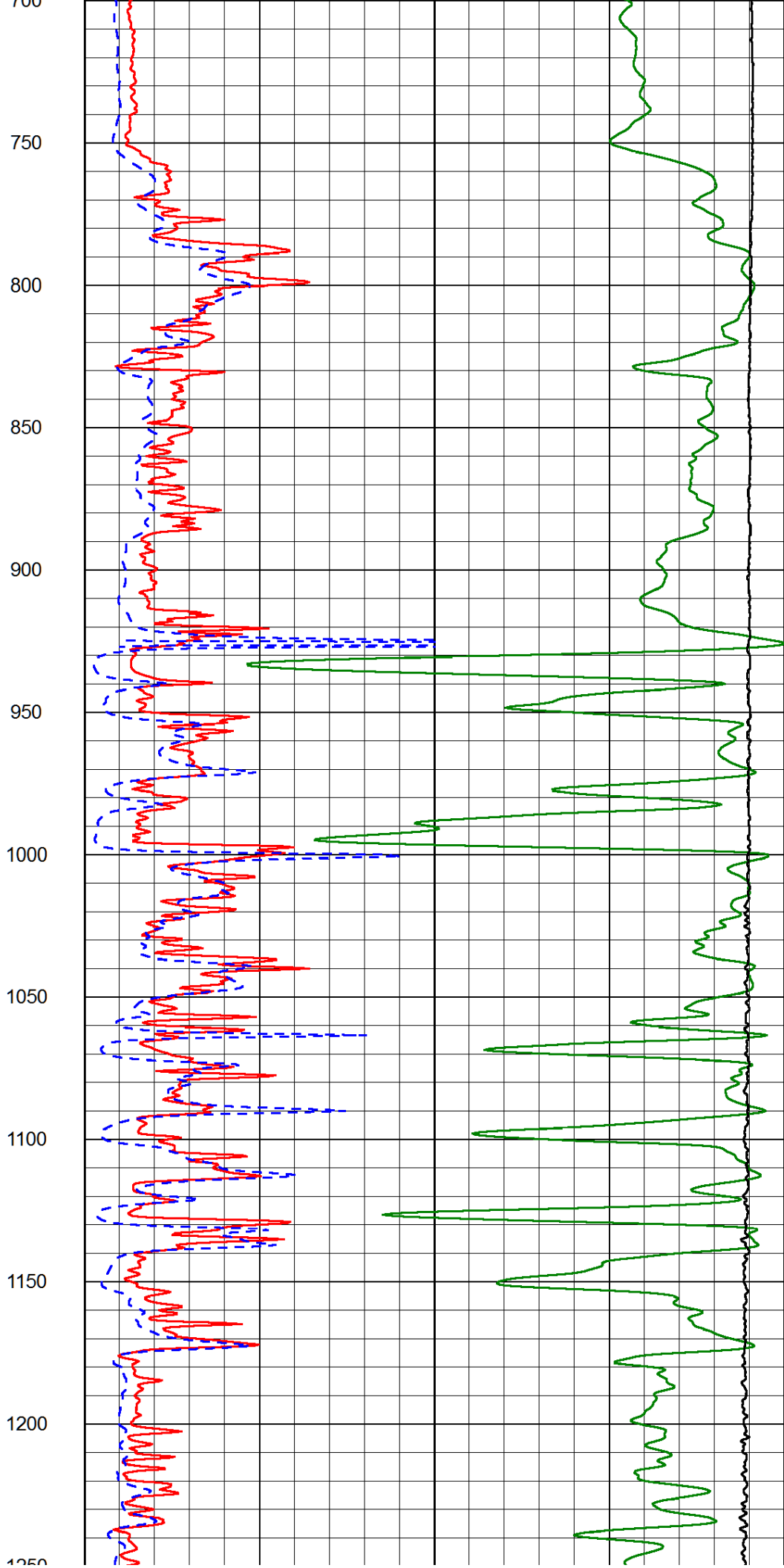
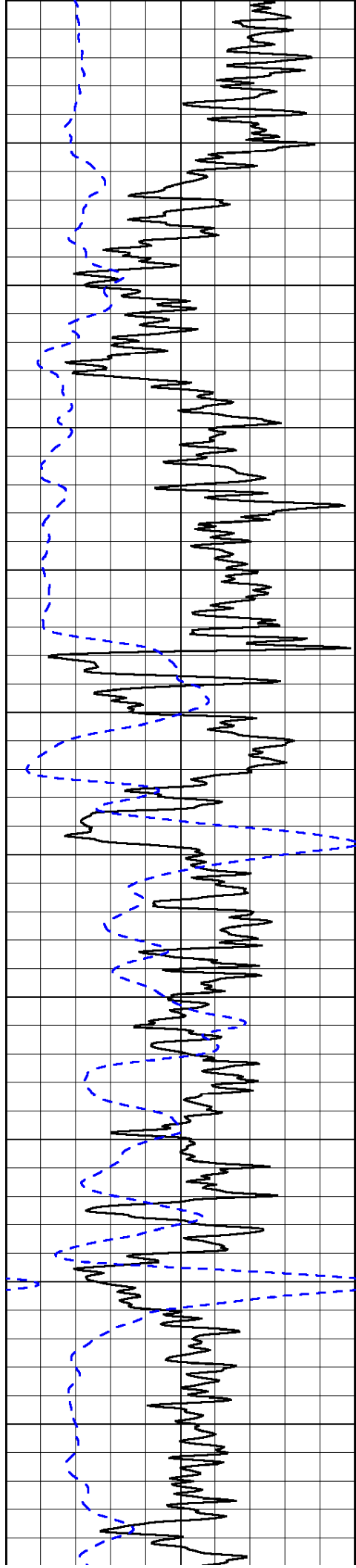
Comments

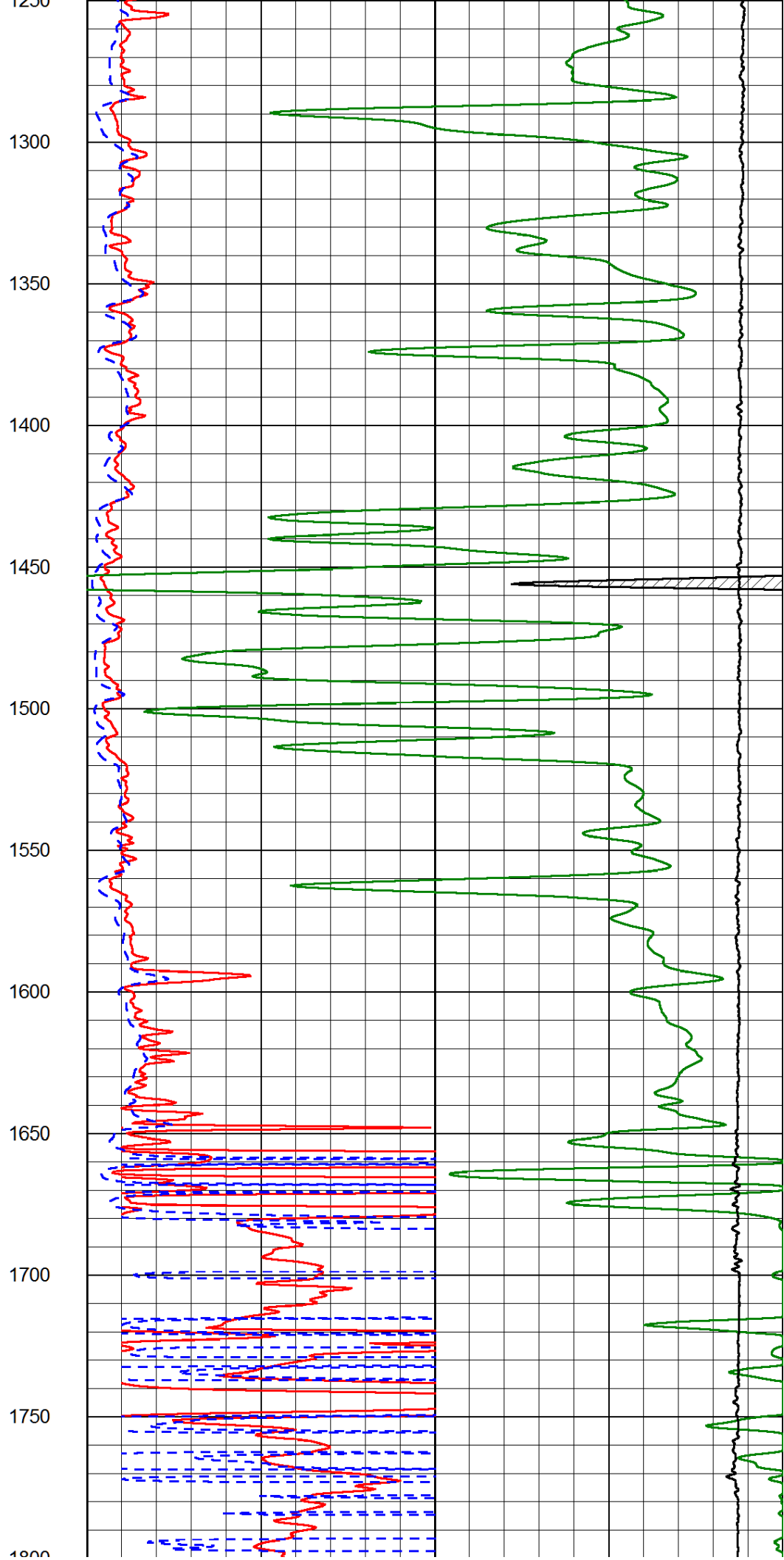
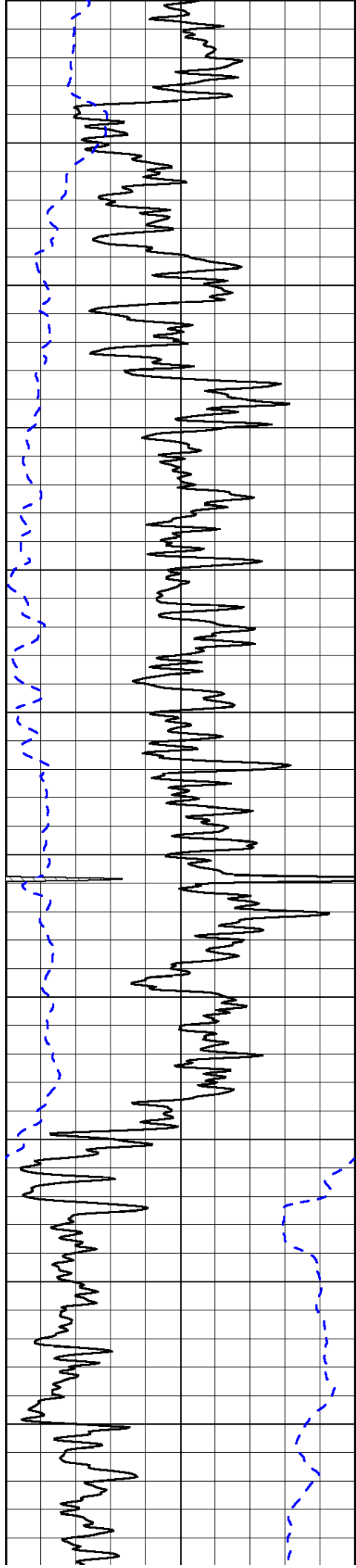
Thank you for using Log-Tech, Inc.
(785) 625-3858

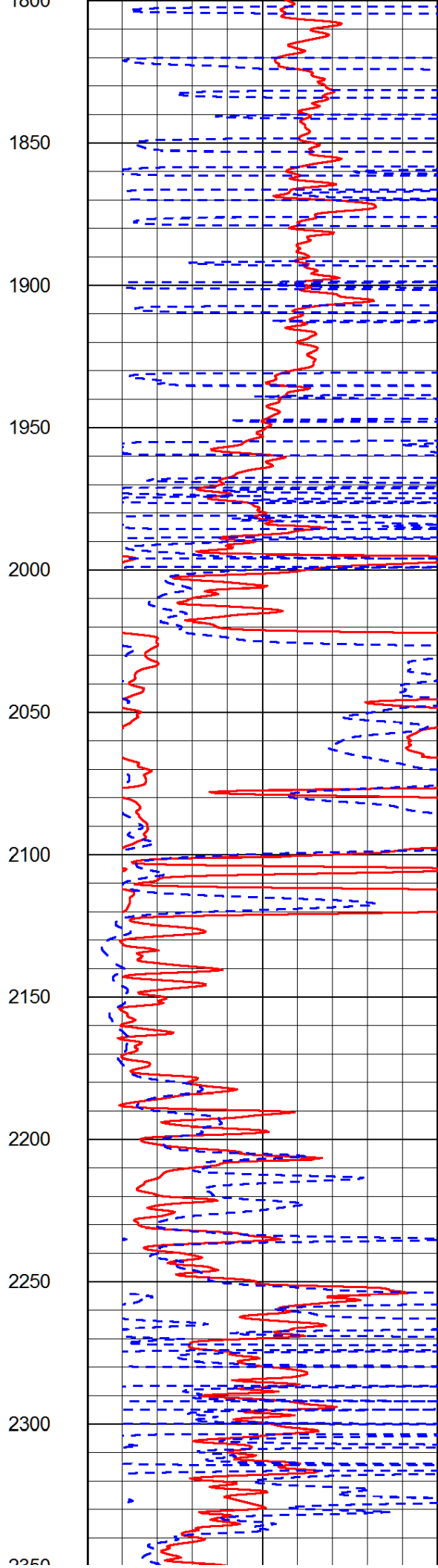
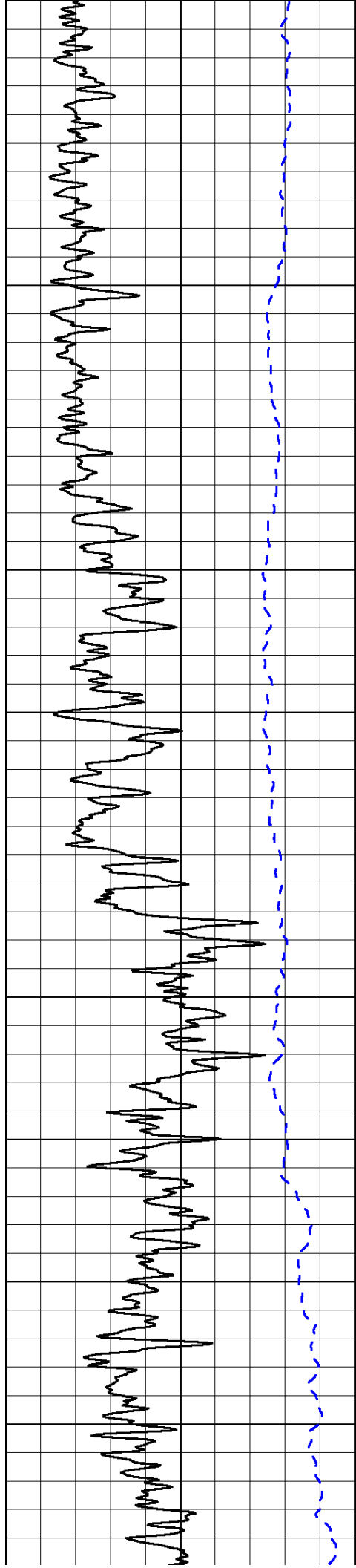
Scott City,
8 West to Dakota Rd, 1 North, 1 West, 5 3/4 North,
West into

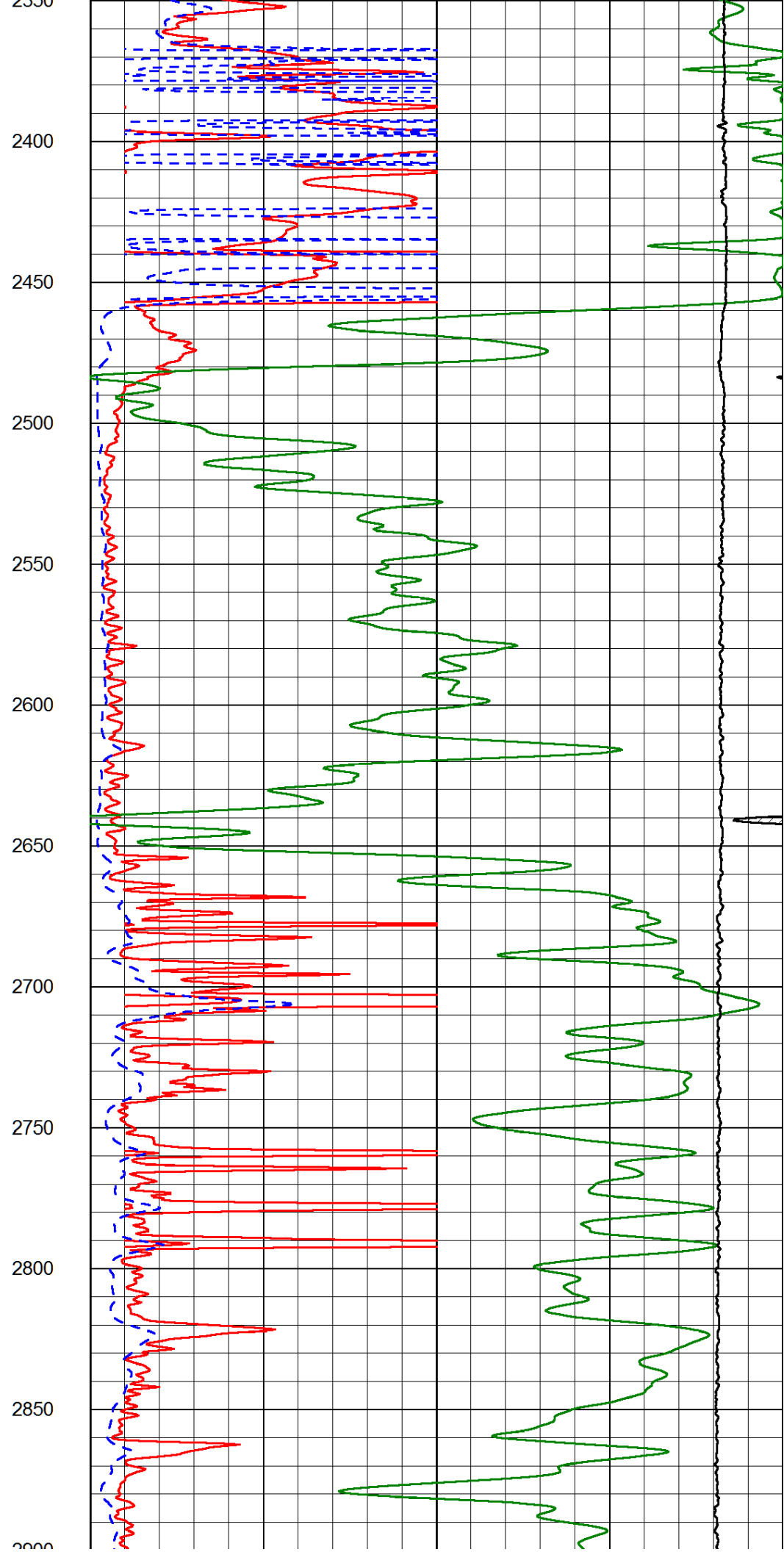
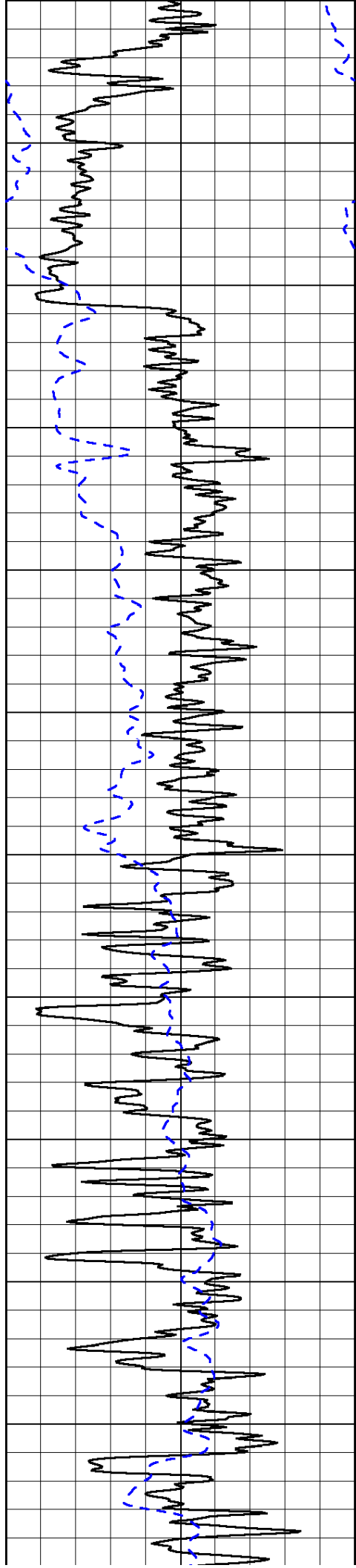
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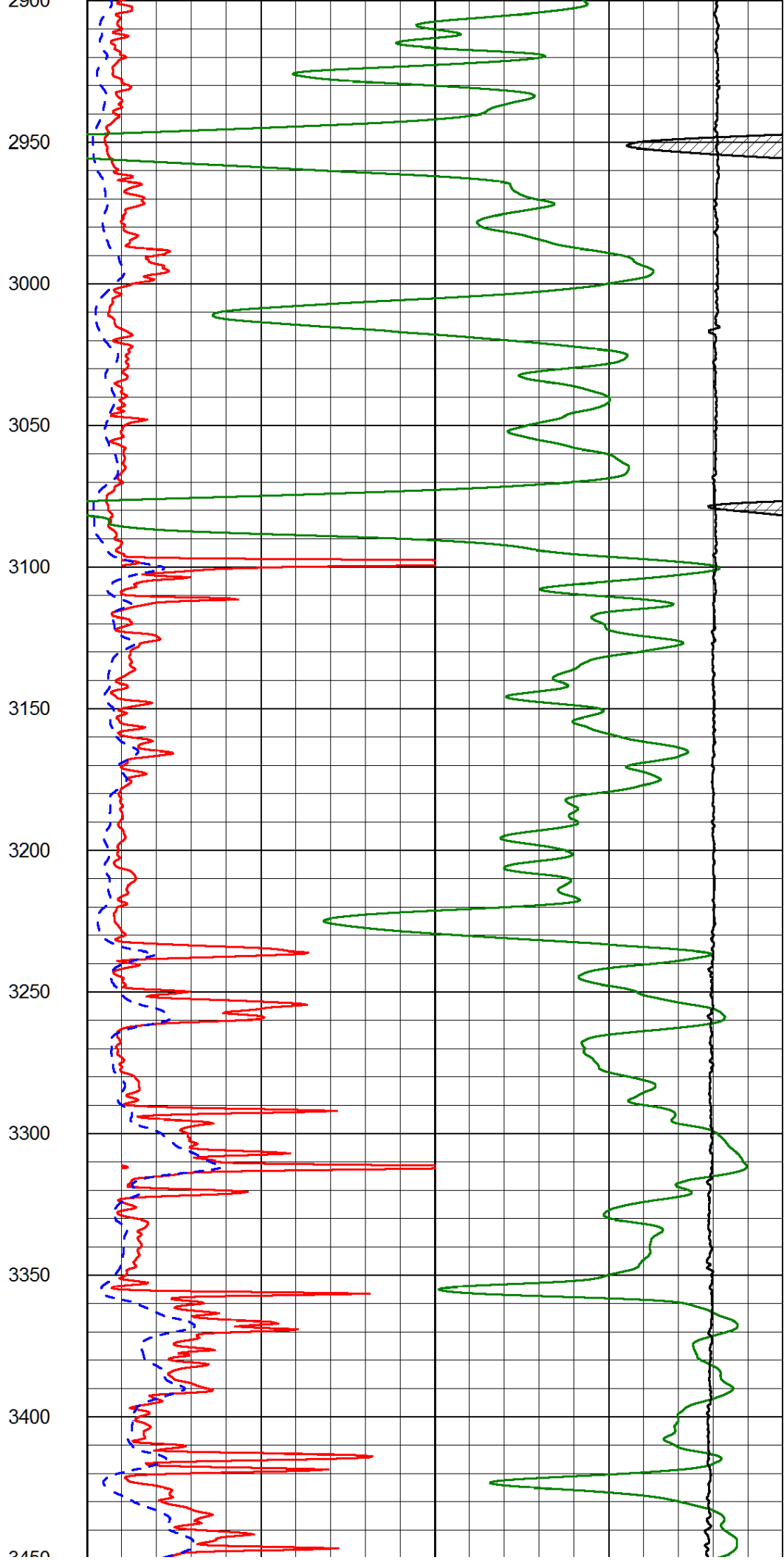
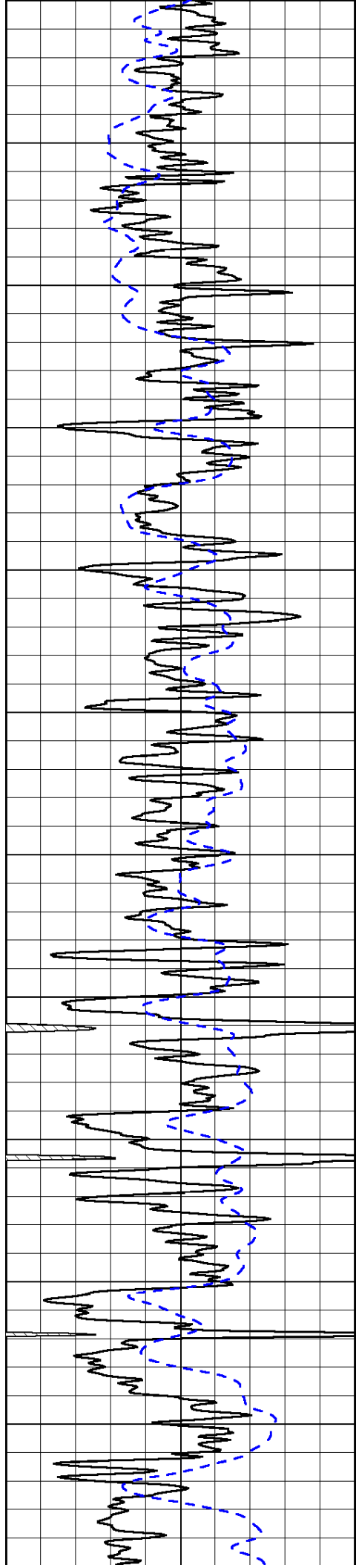


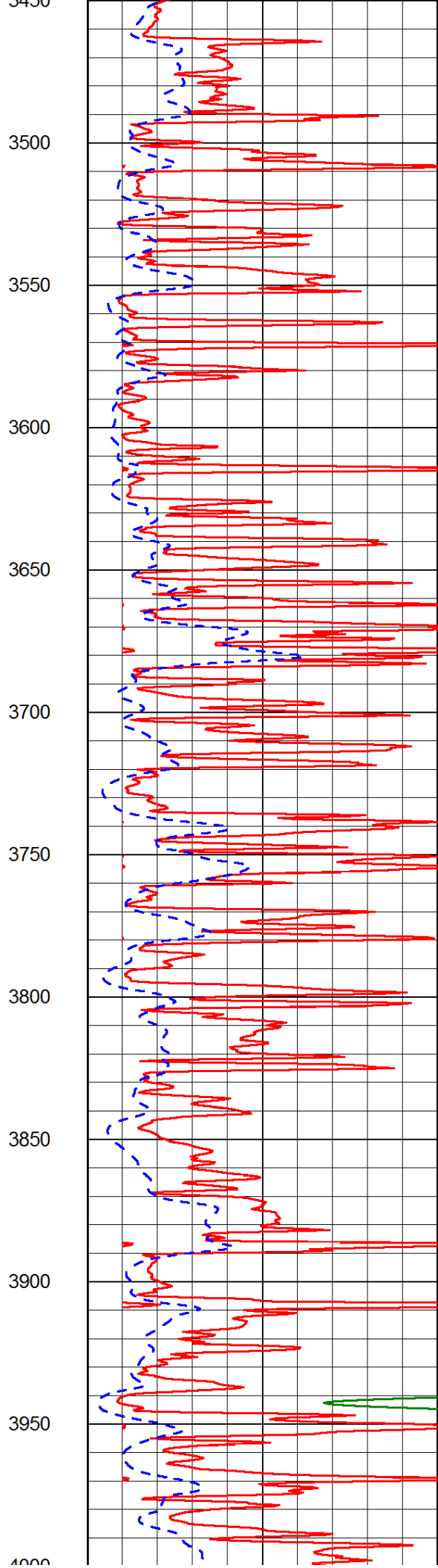
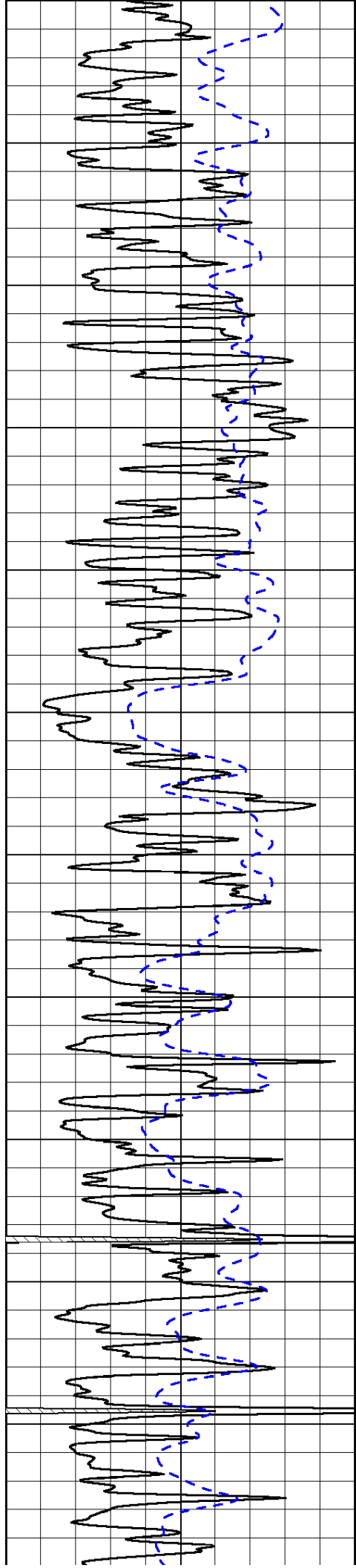


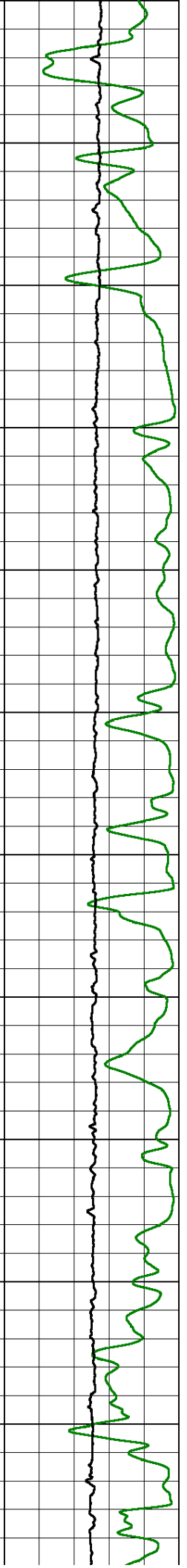
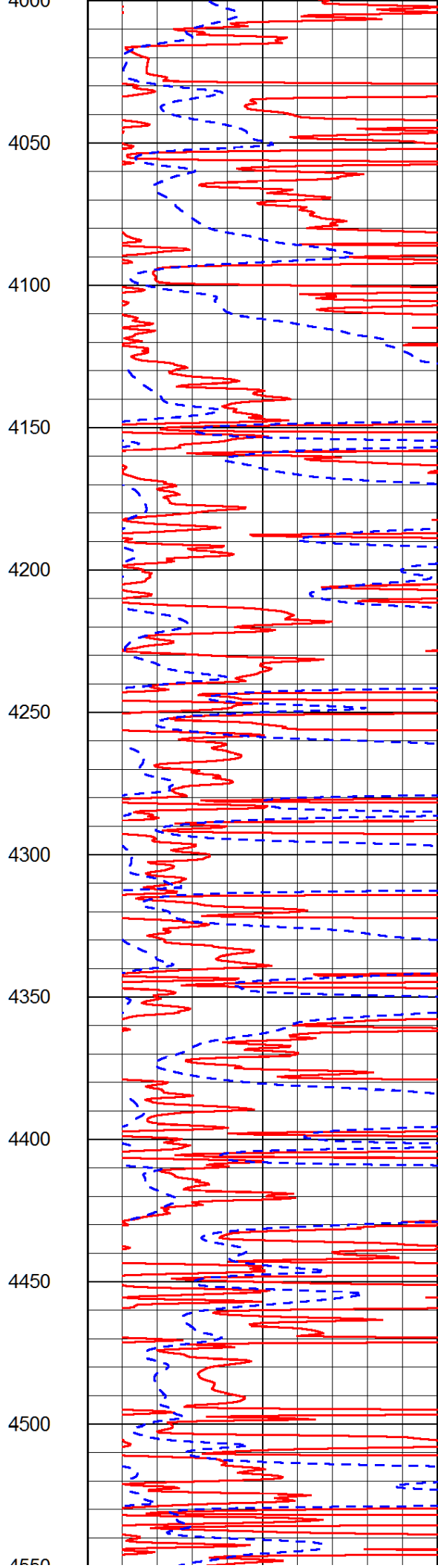
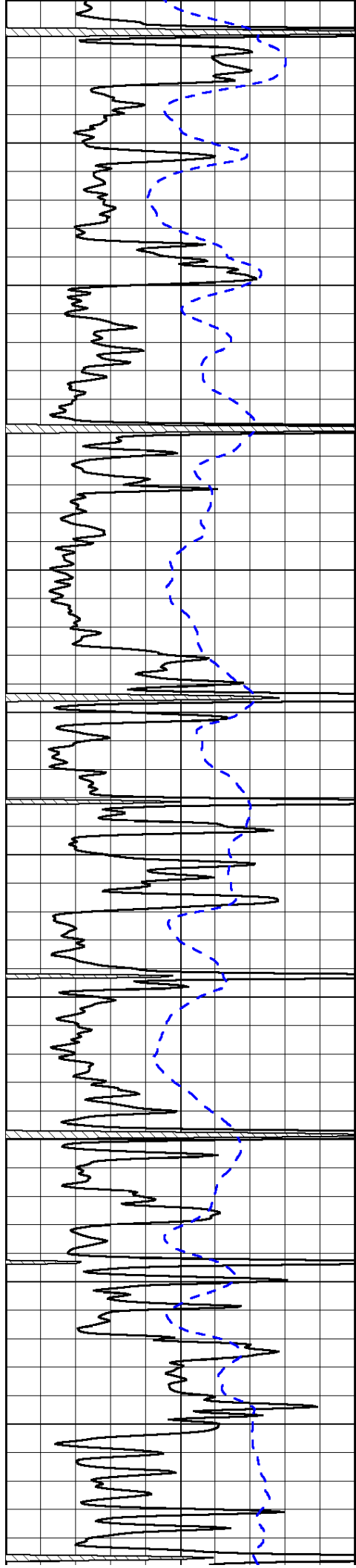


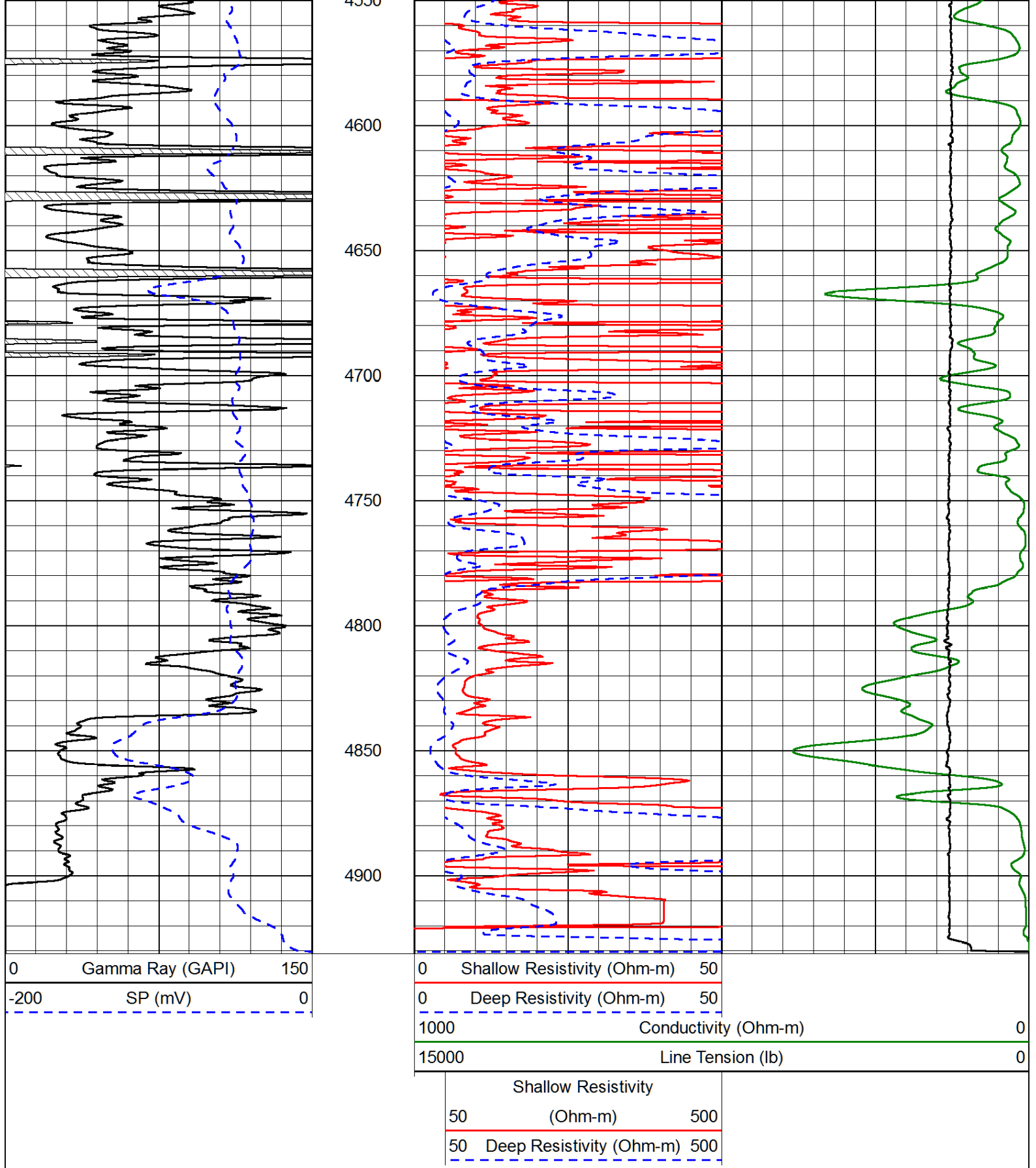






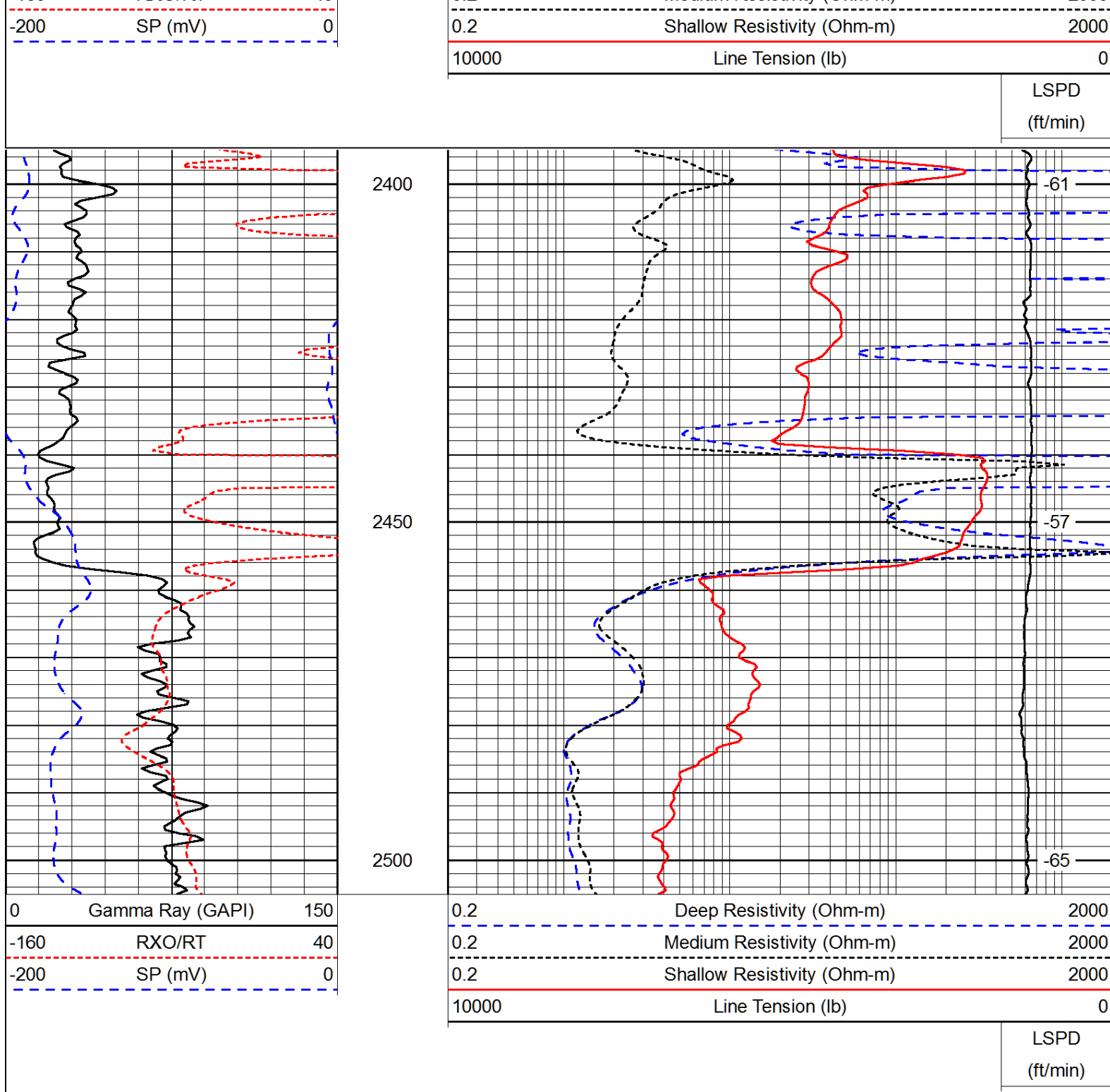




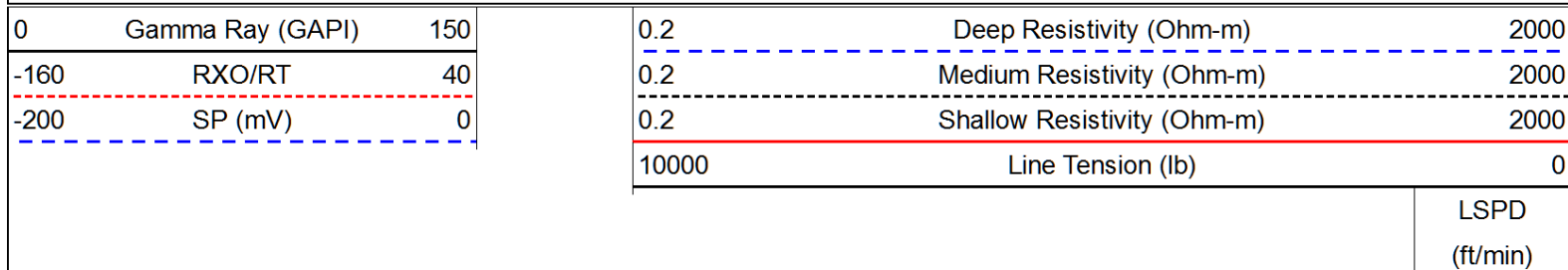


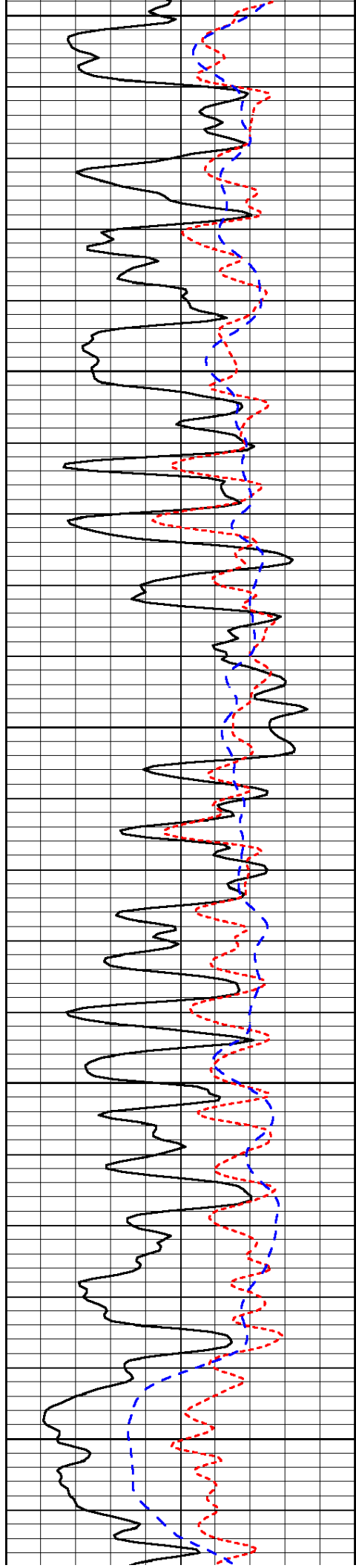
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Dataset Pathname: dil/lmstck
Presentation Format: dil
Dataset Creation: Thu Oct 24 08:45:41 2013
Charted by: Depth in Feet scaled 1:240





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Charted by: Depth in Feet scaled 1:240





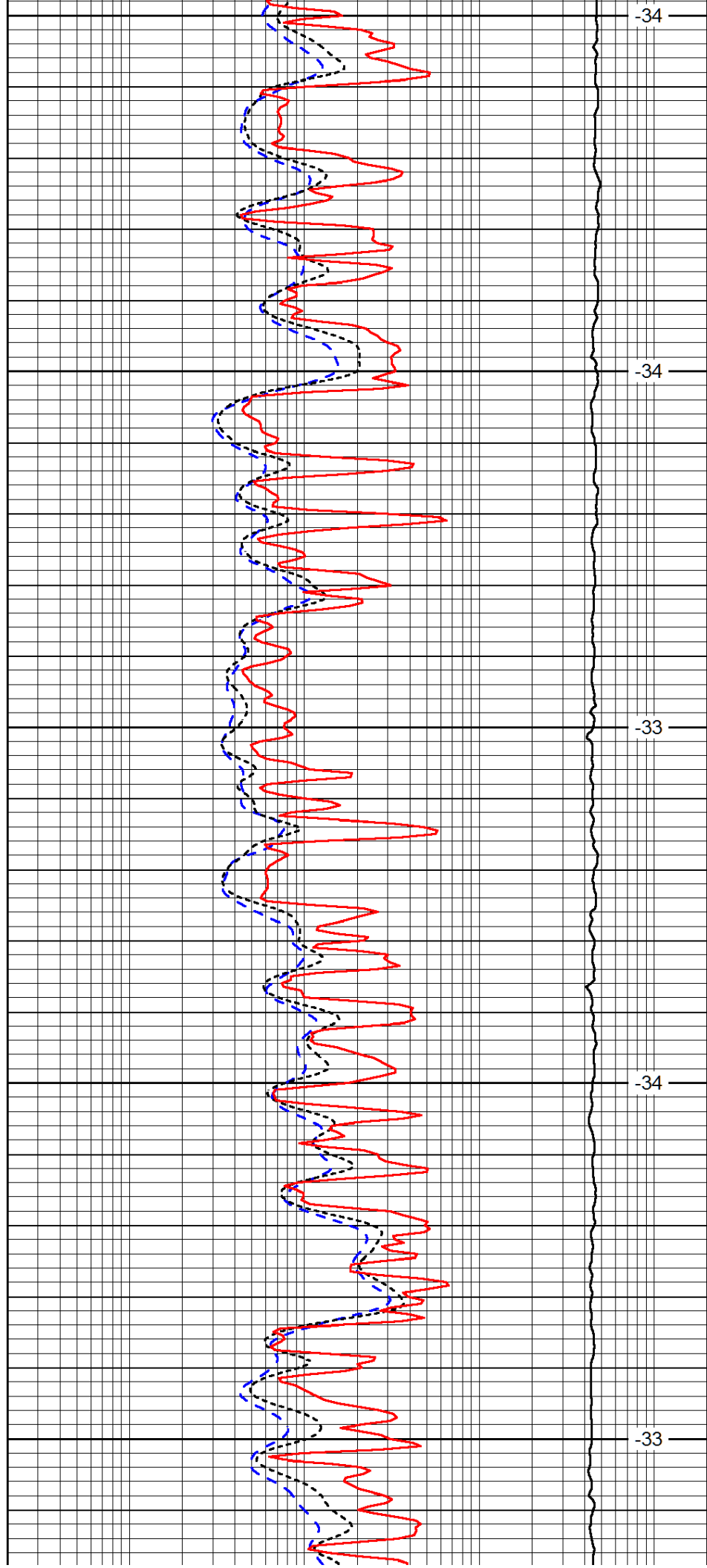
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3550

3600

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3700



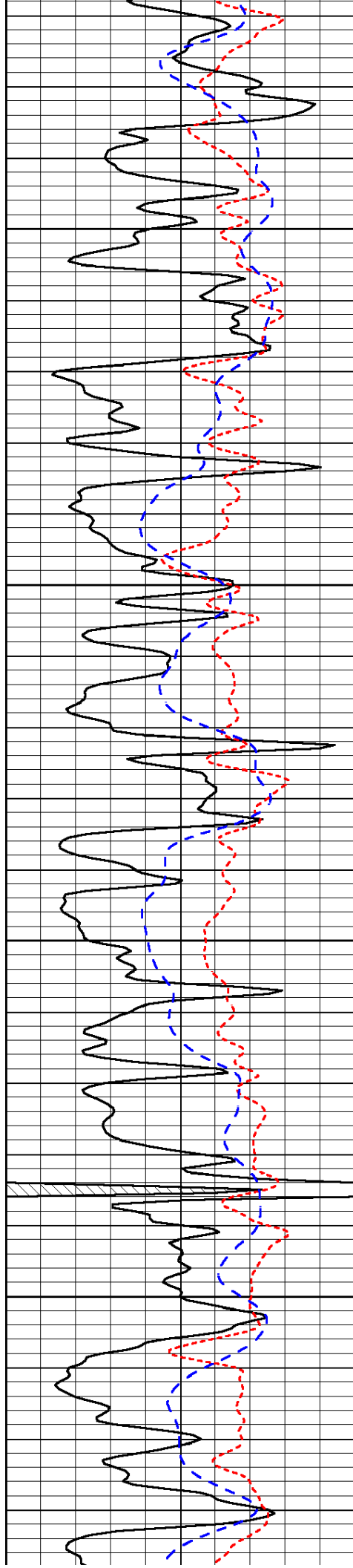
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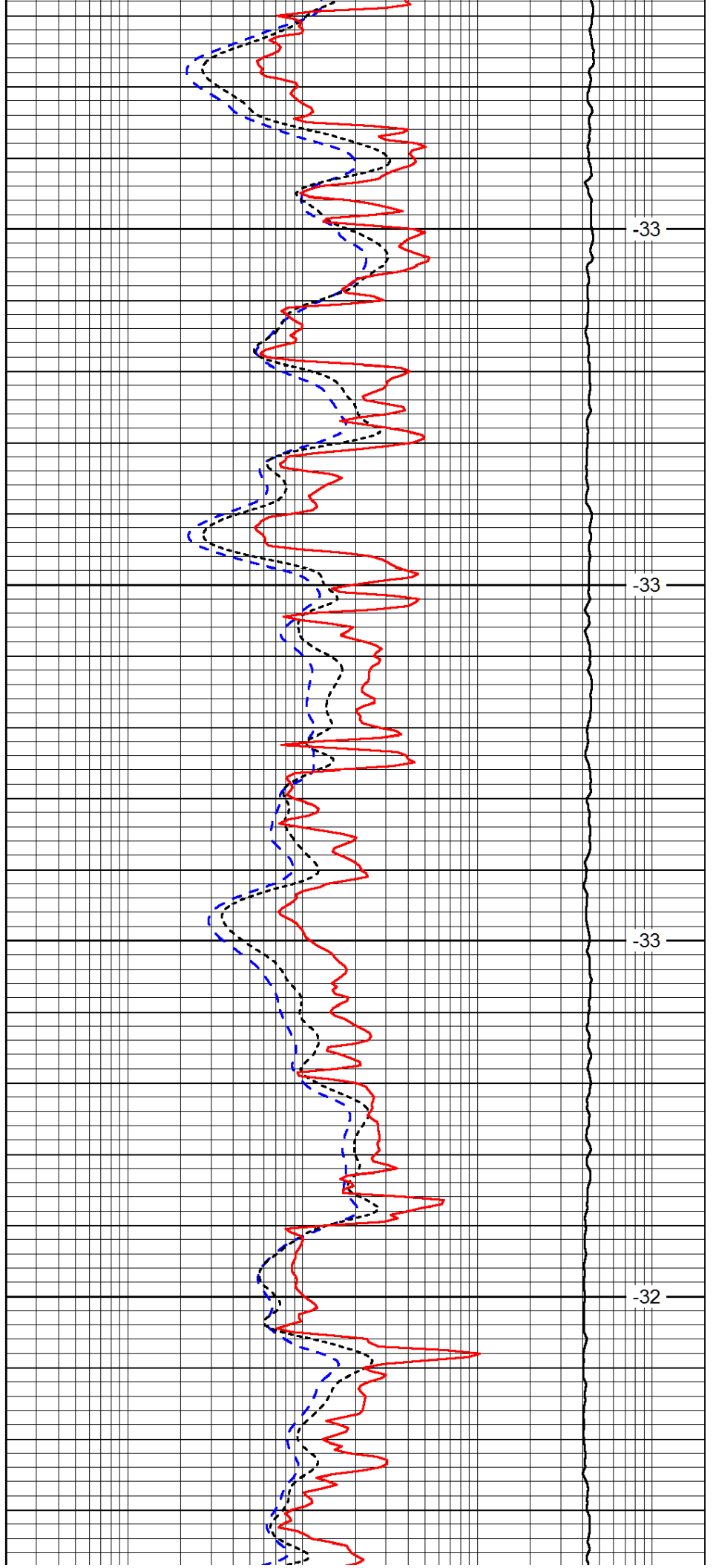


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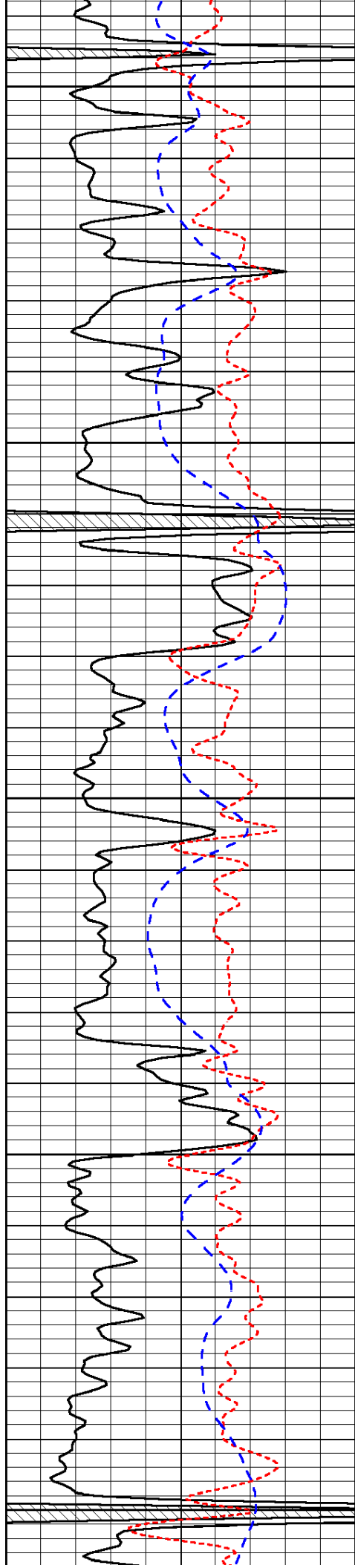


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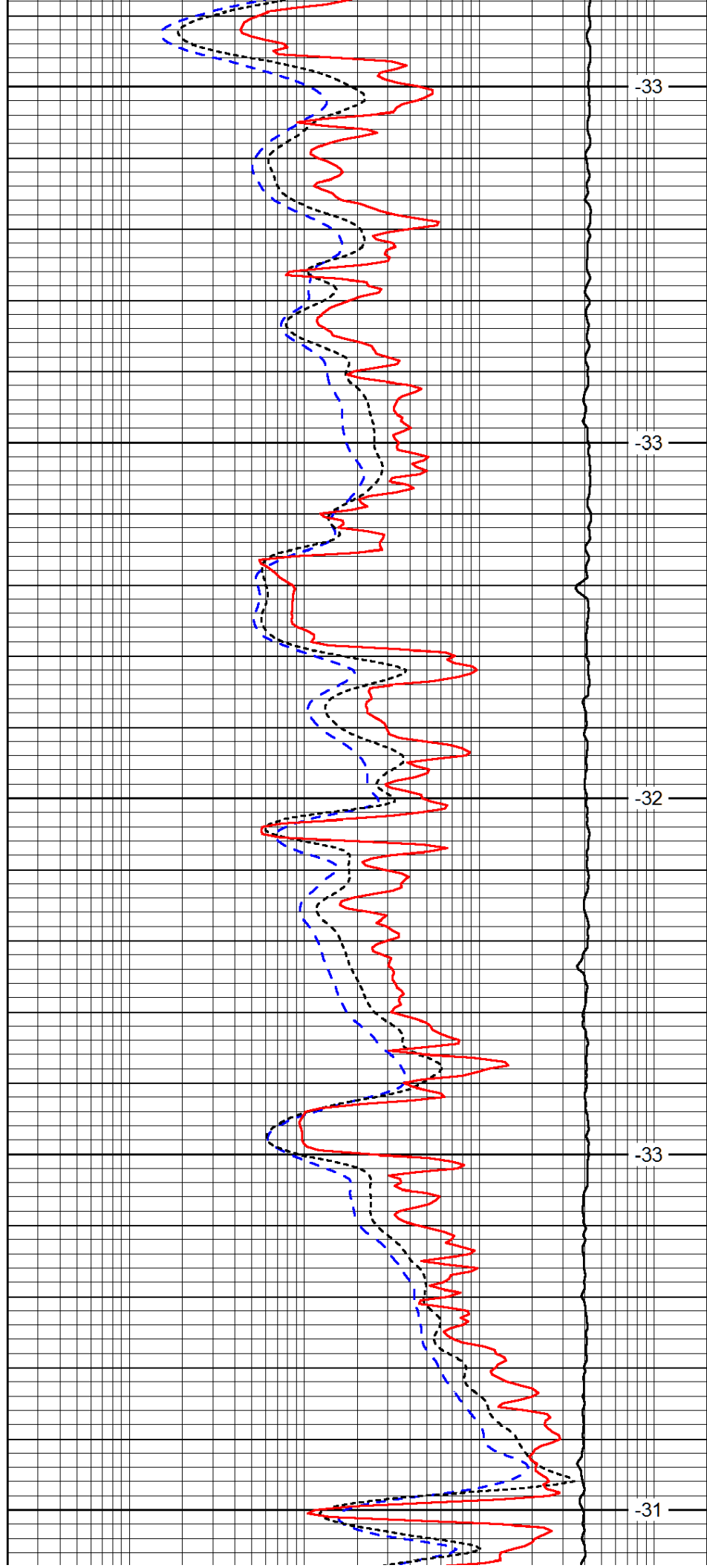
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4100

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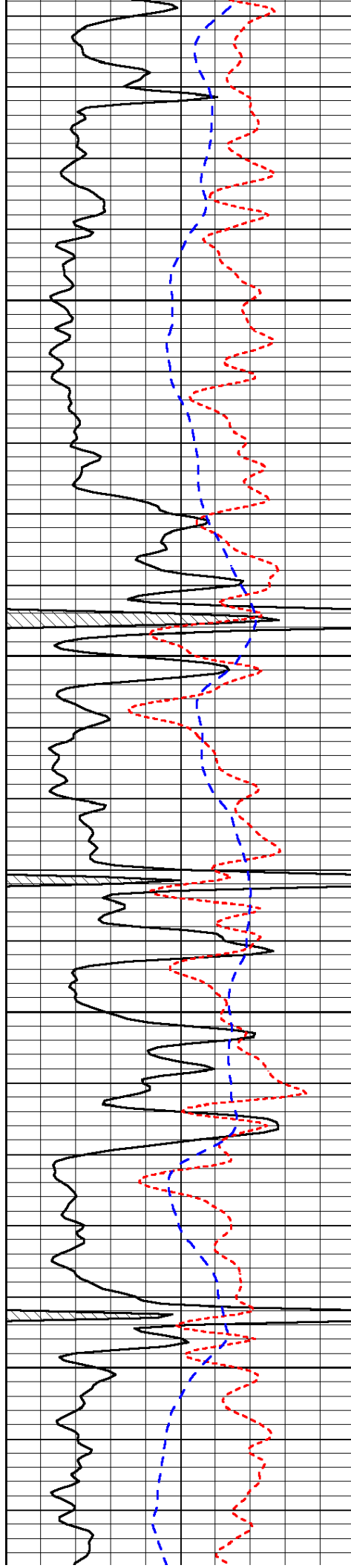
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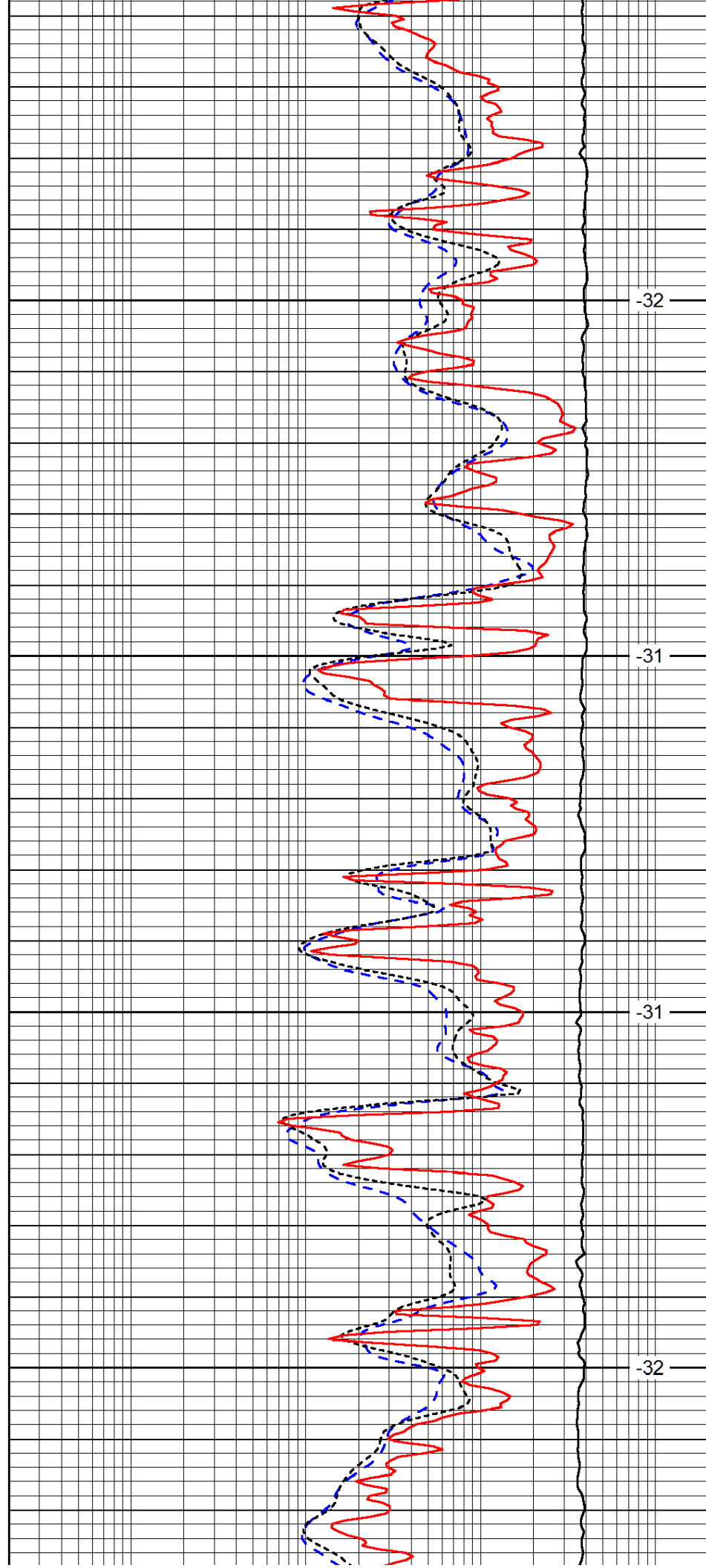


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4300

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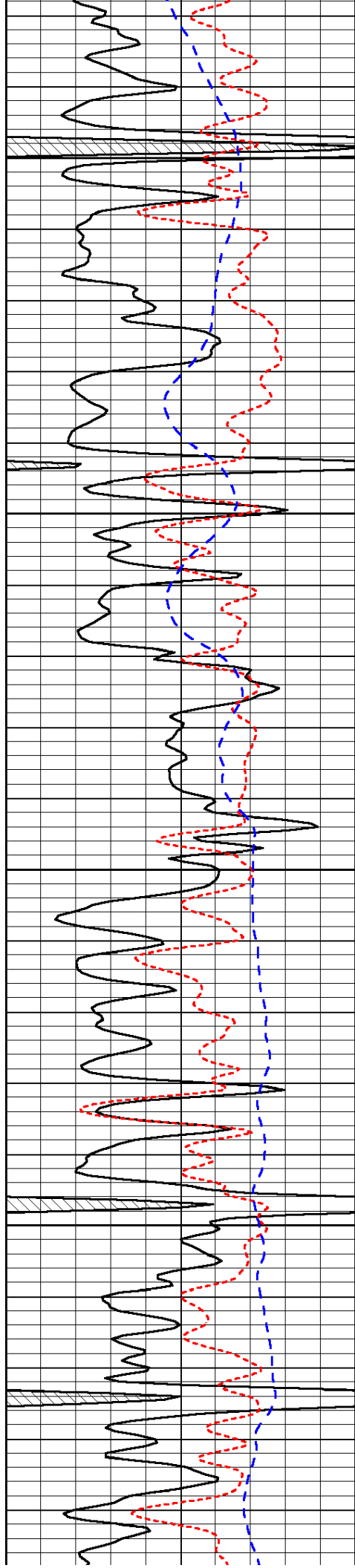


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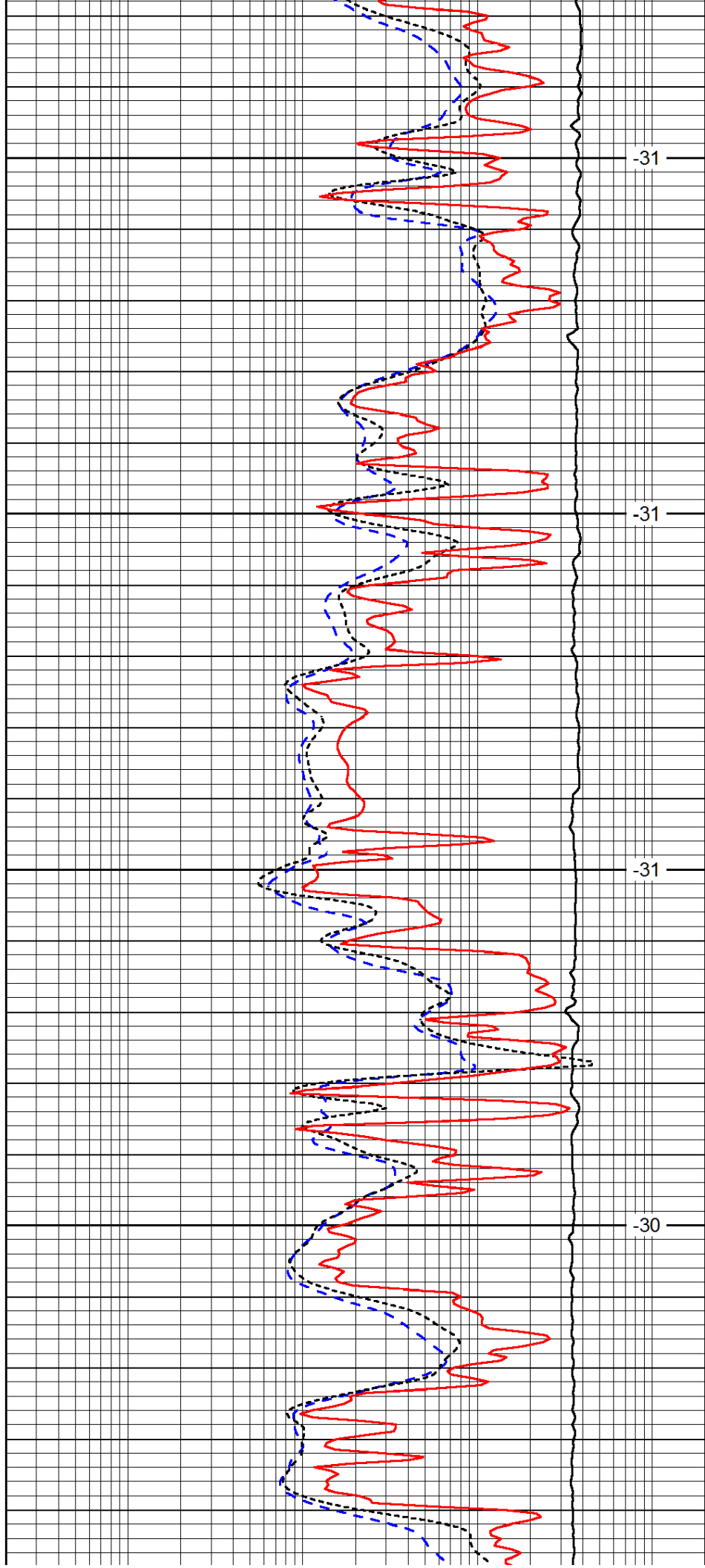


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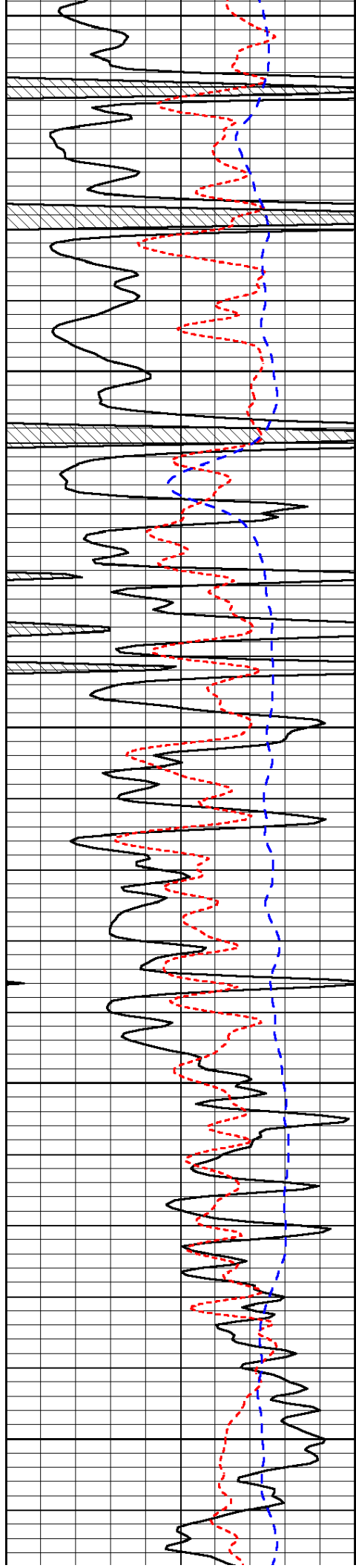


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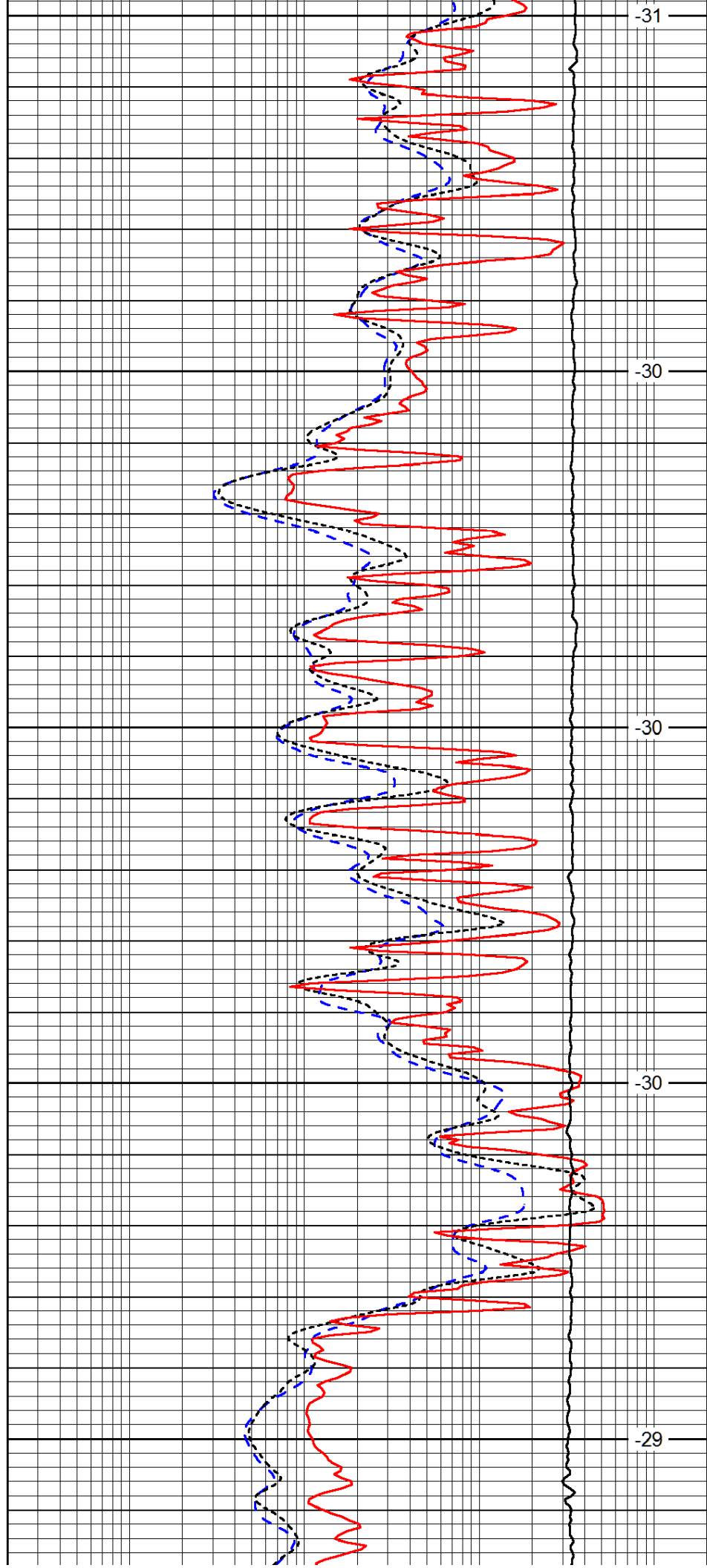
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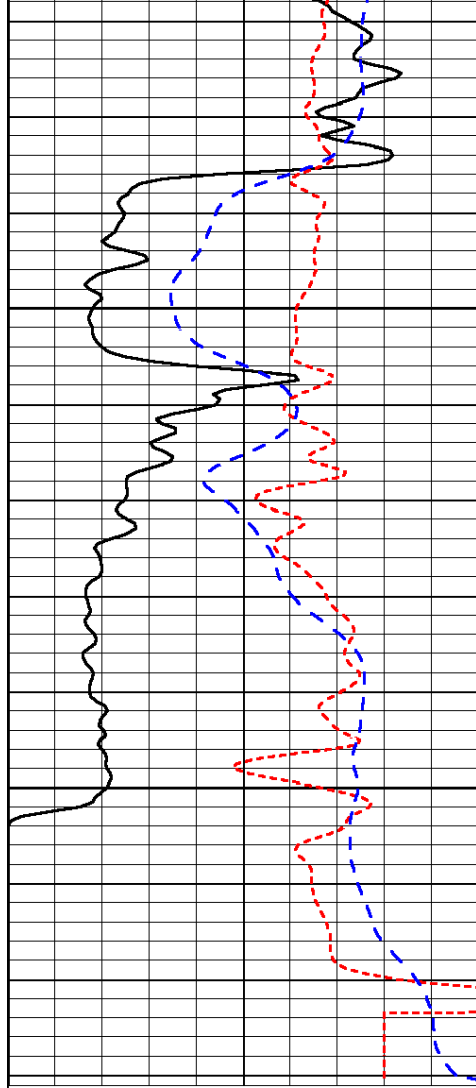
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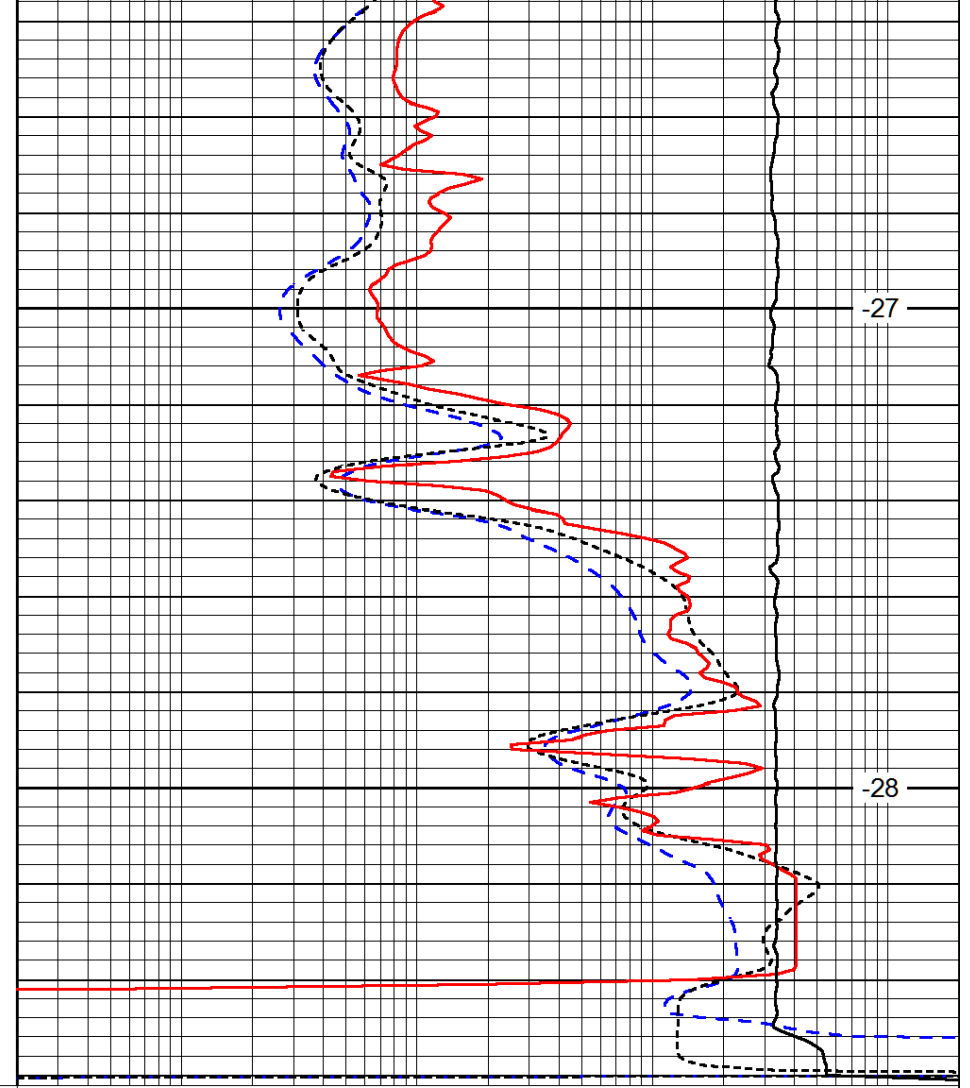
-29



4850

4900

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



-27

-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)