



Pioneer Energy Services

Dual Induction Log

API No.

15-135-25,559-00-00

Company Trans Pacific Oil Corporation
Well Rufenacht 'A' Unit No. 1-32
Field Keilman Southeast
County Ness State Kansas

Location

W2-SW-SW-SW
330' FSL & 111' FEL

Sec: 32

Twp: 17S

Rge: 24W

Permanent Datum Ground Level Elevation 2364
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation

K.B. 2373
D.F. 2364
G.L. 2364

Date

3/28/2013

Run Number

One

Depth Driller

4470

Depth Logger

4471

Bottom Logged Interval

4470

Top Log Interval

200

Casing Driller

8.625 @ 225

Casing Logger

220

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

6,400

Density / Viscosity

9.4 70

pH / Fluid Loss

10.0 8.4

Source of Sample

Flowline

Rm @ Meas. Temp

.70 @ 60

Rmf @ Meas. Temp

.53 @ 60

Rmc @ Meas. Temp

.95 @ 60

Source of Rmf / Rmc

Charts

Rm @ BHT

.35 @ 121

Operating Rig Time

4 Hours

Max Rec. Temp. F

121

Equipment Number

15

Location

Hays

Recorded By

J. Henrickson

Witnessed By

Beth Isern

<<< Fold Here >>>

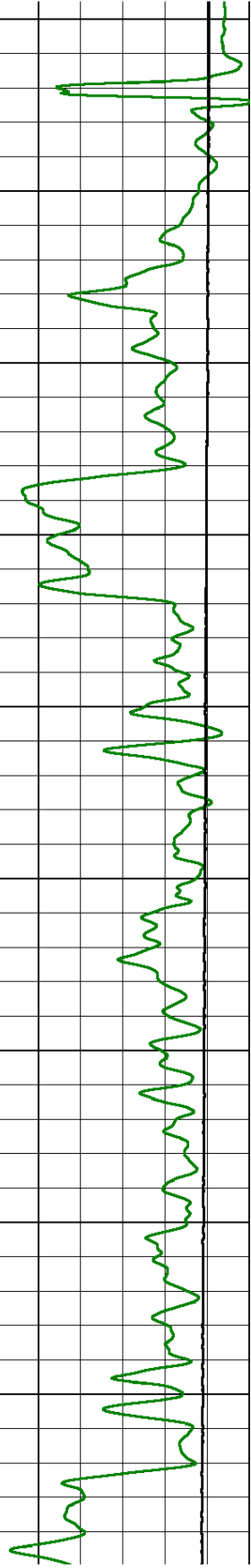
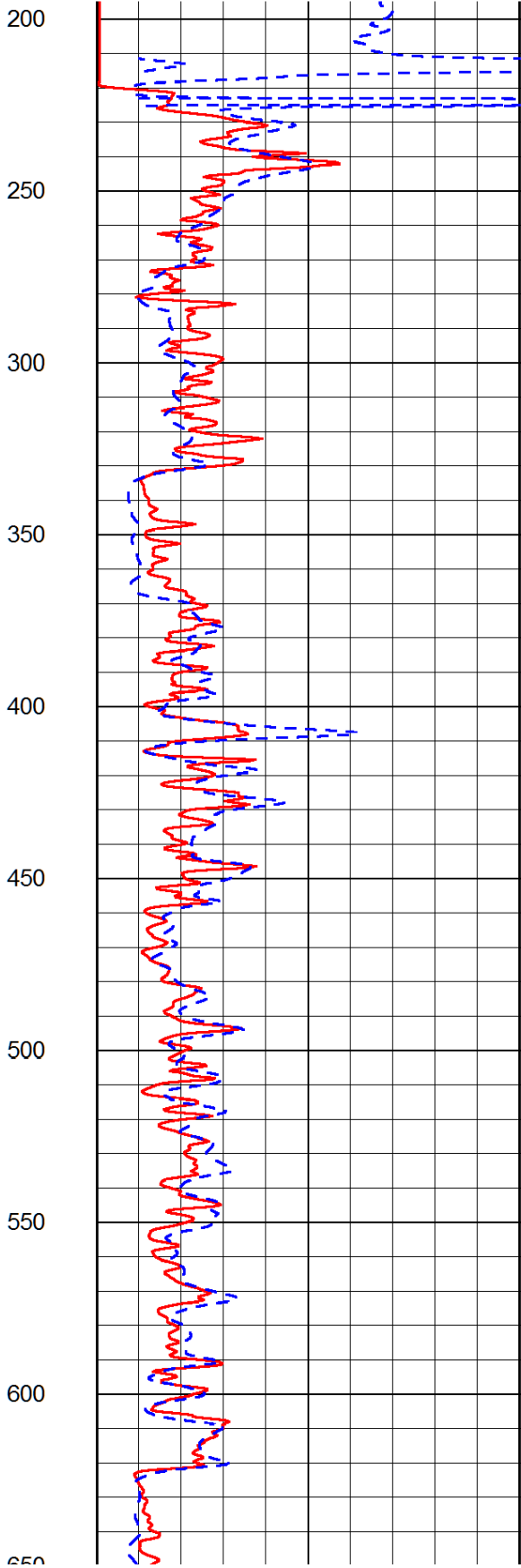
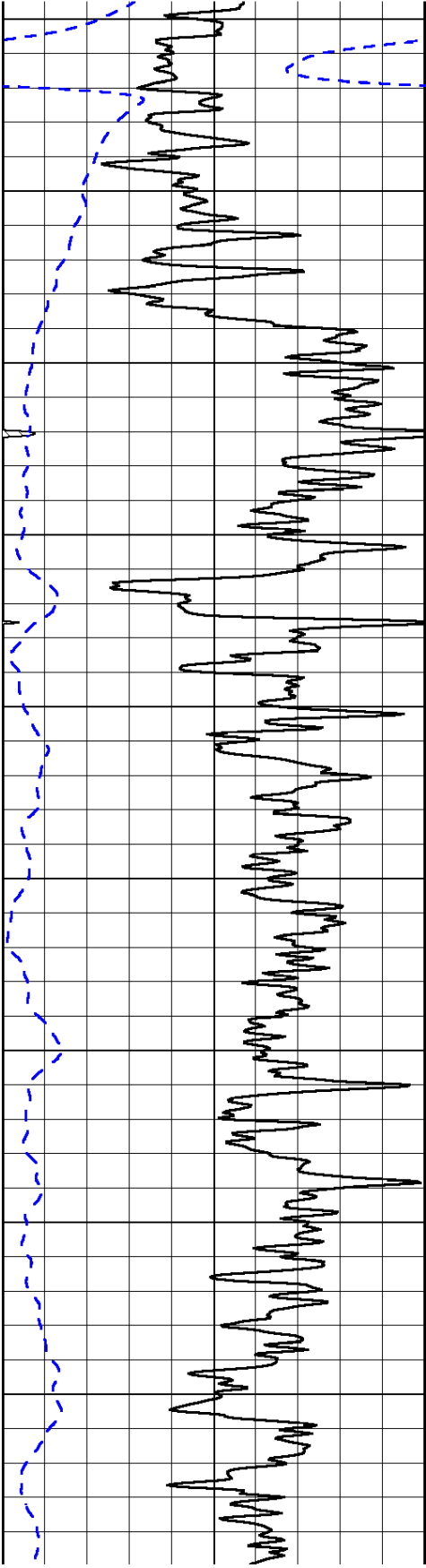
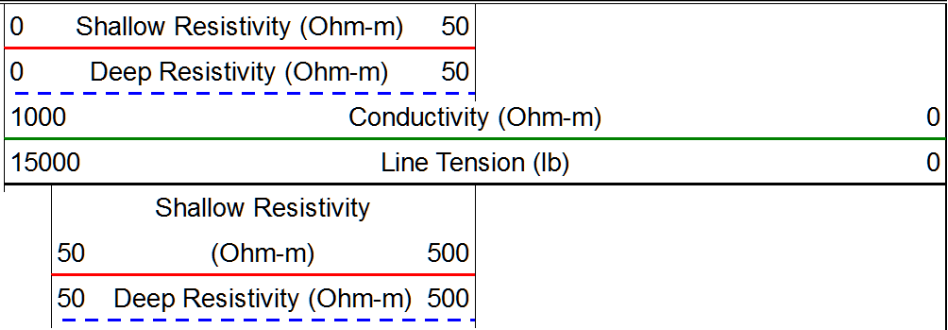
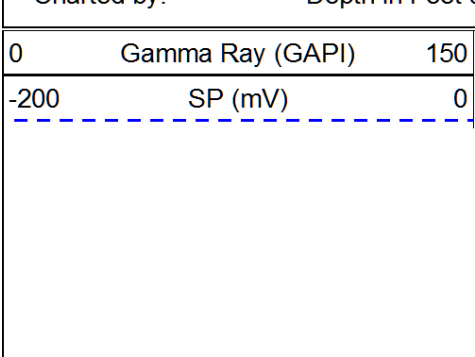
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

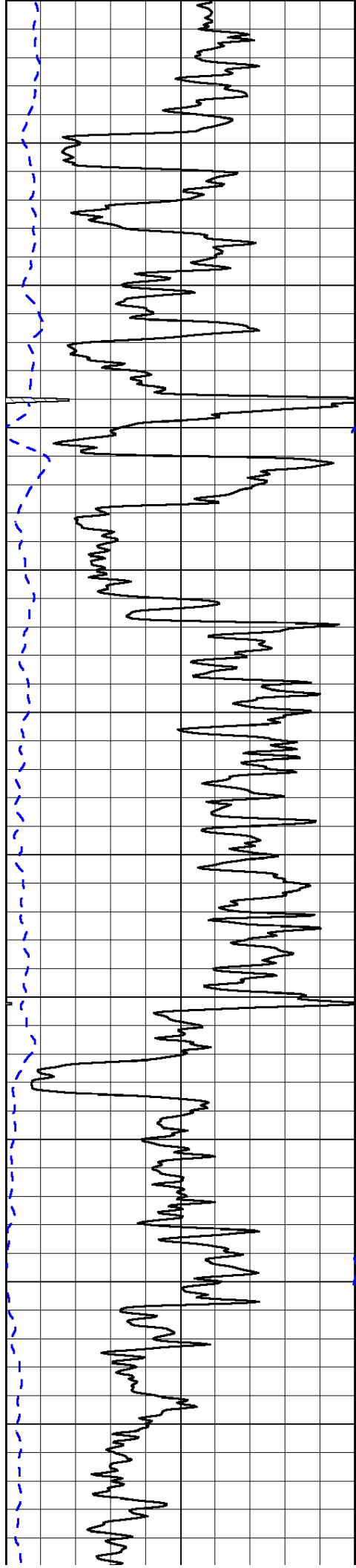
Comments

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

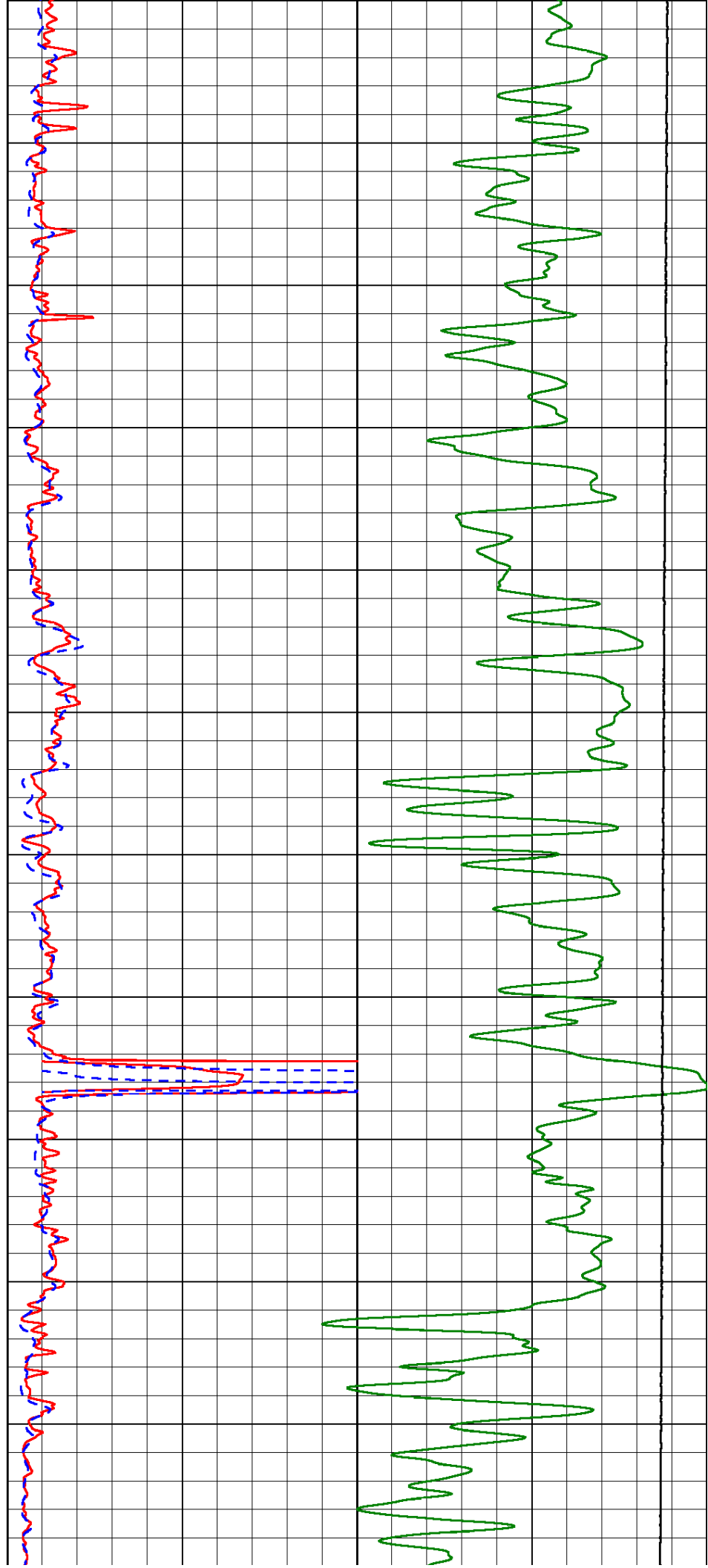
Ness City KS
4 W, 5 N, 1 W, N into

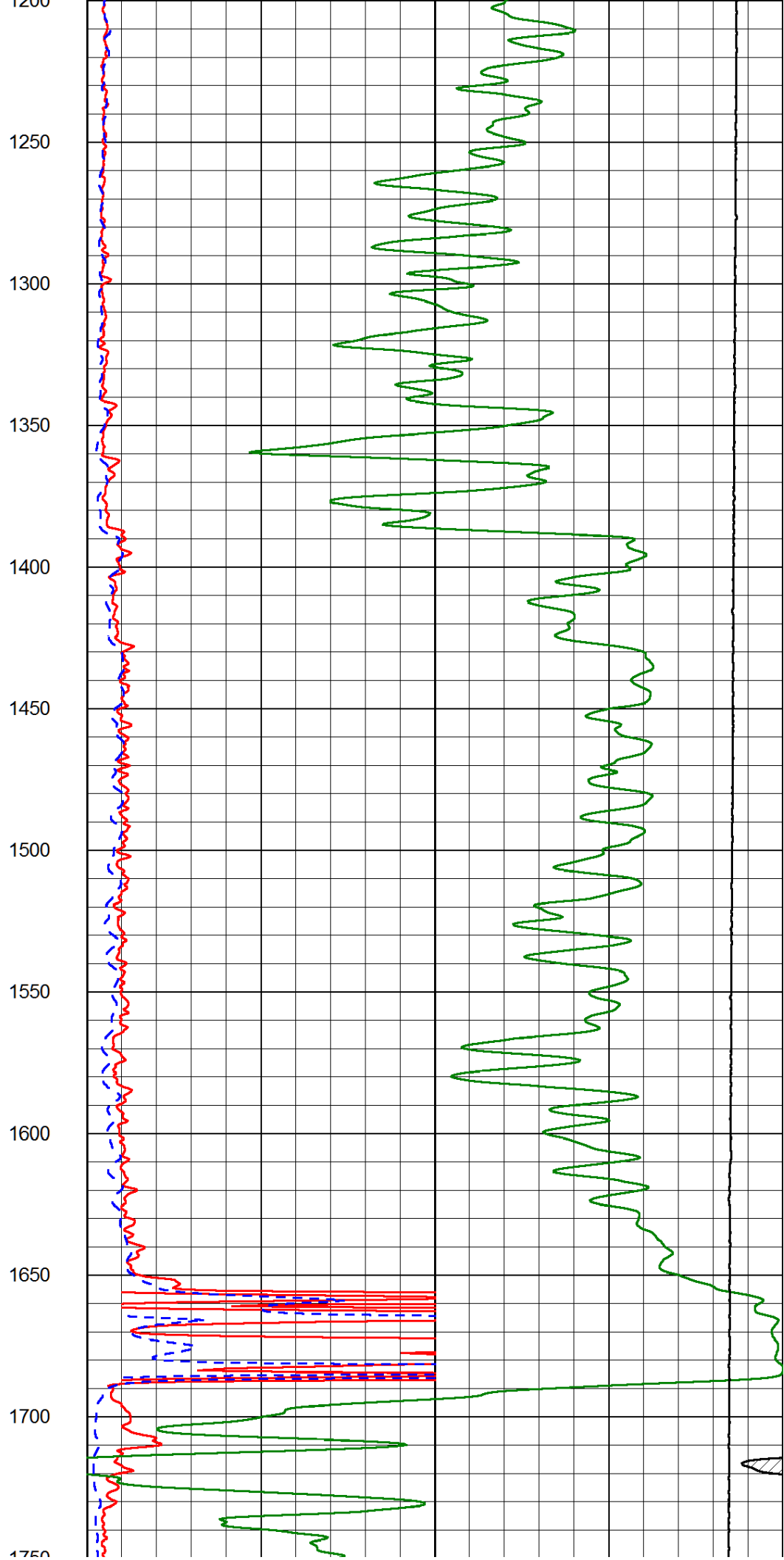
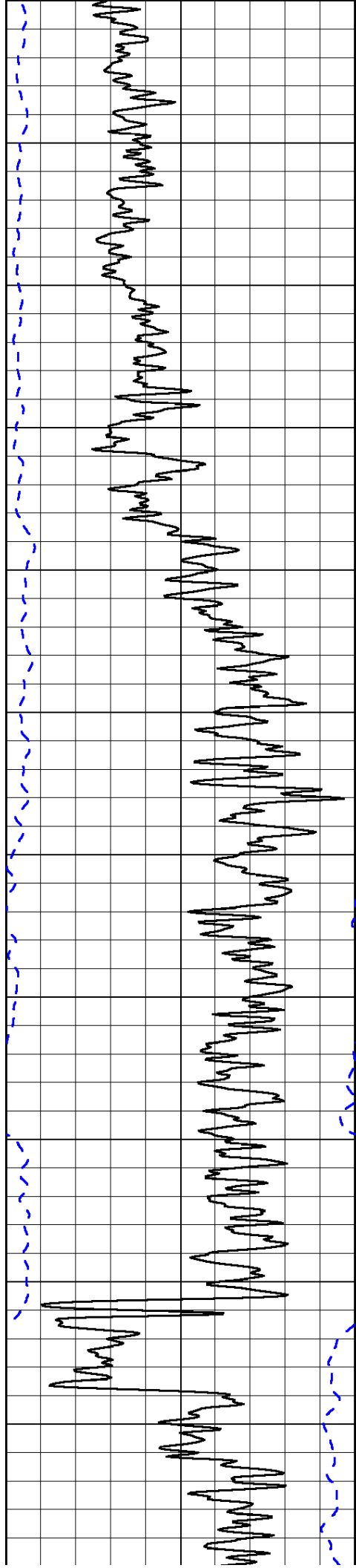
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Charted by: Depth in Feet scaled 1:600

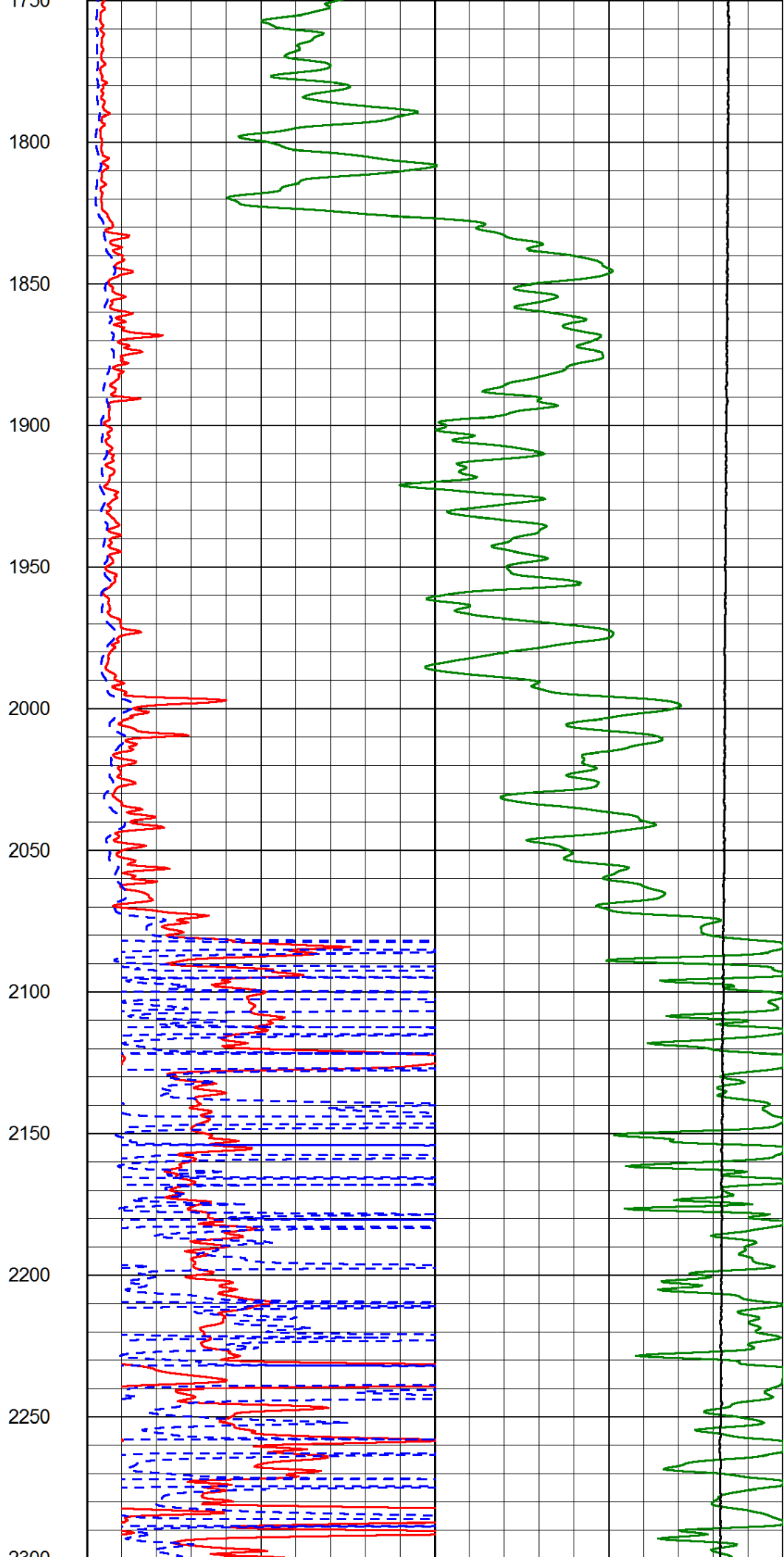
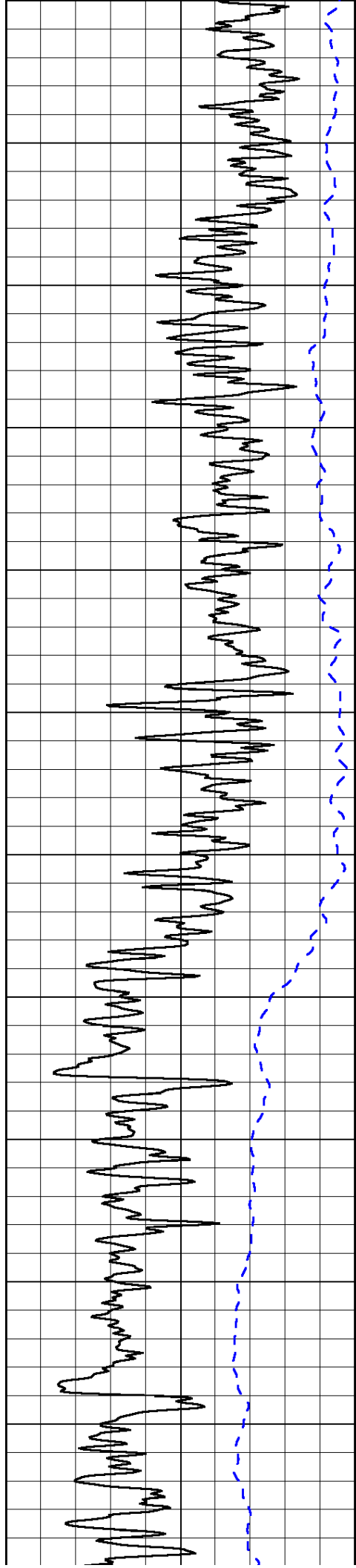


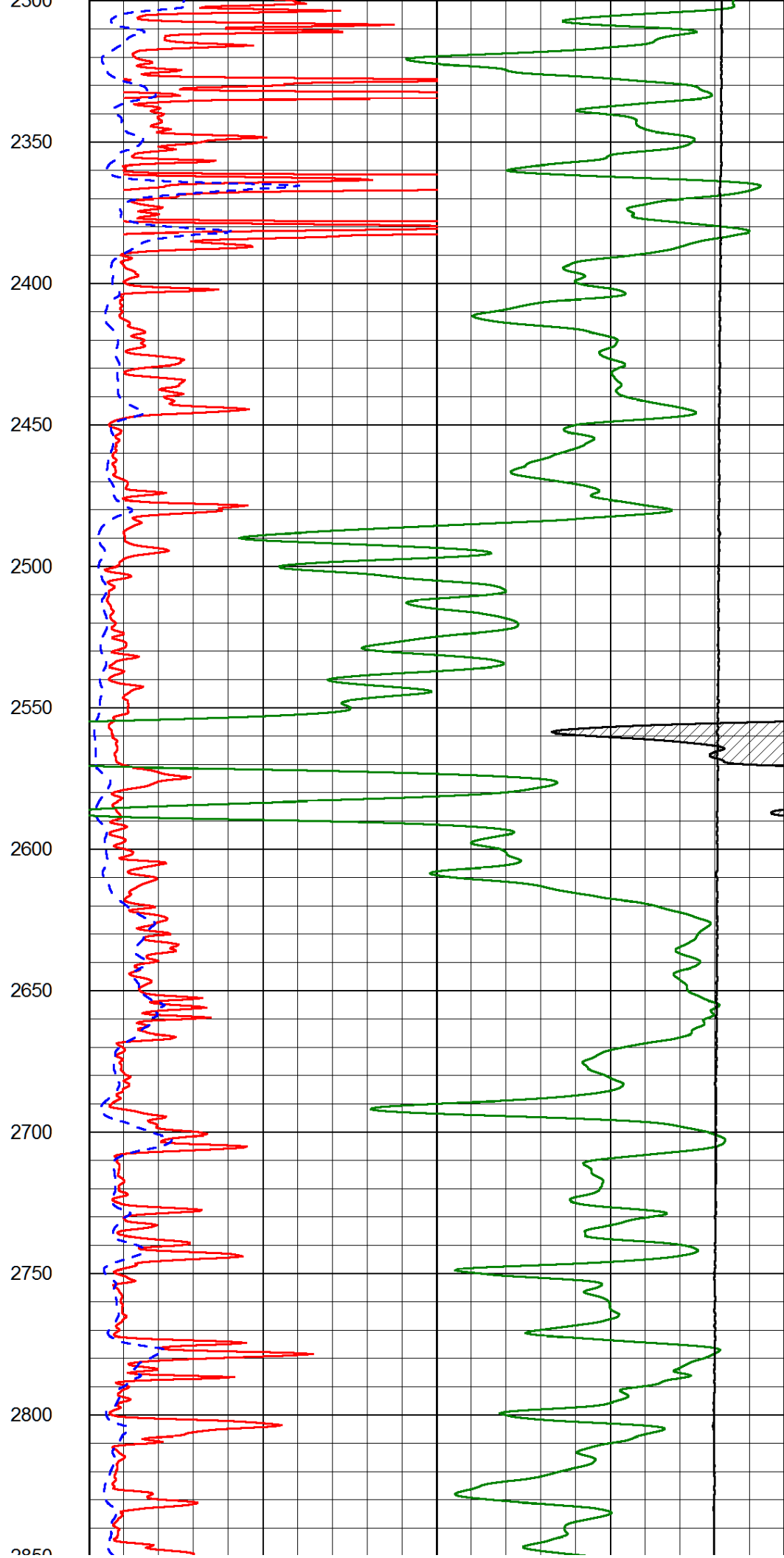
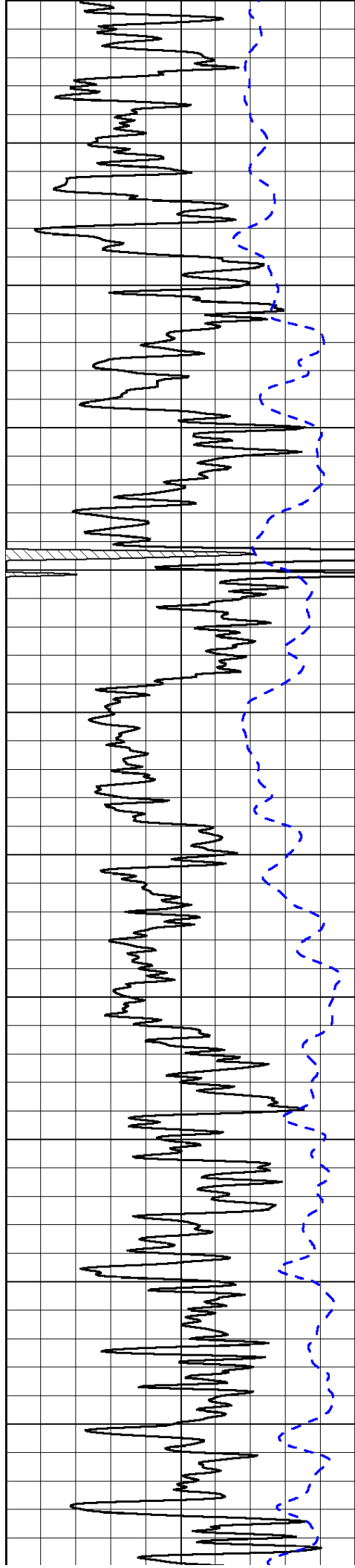


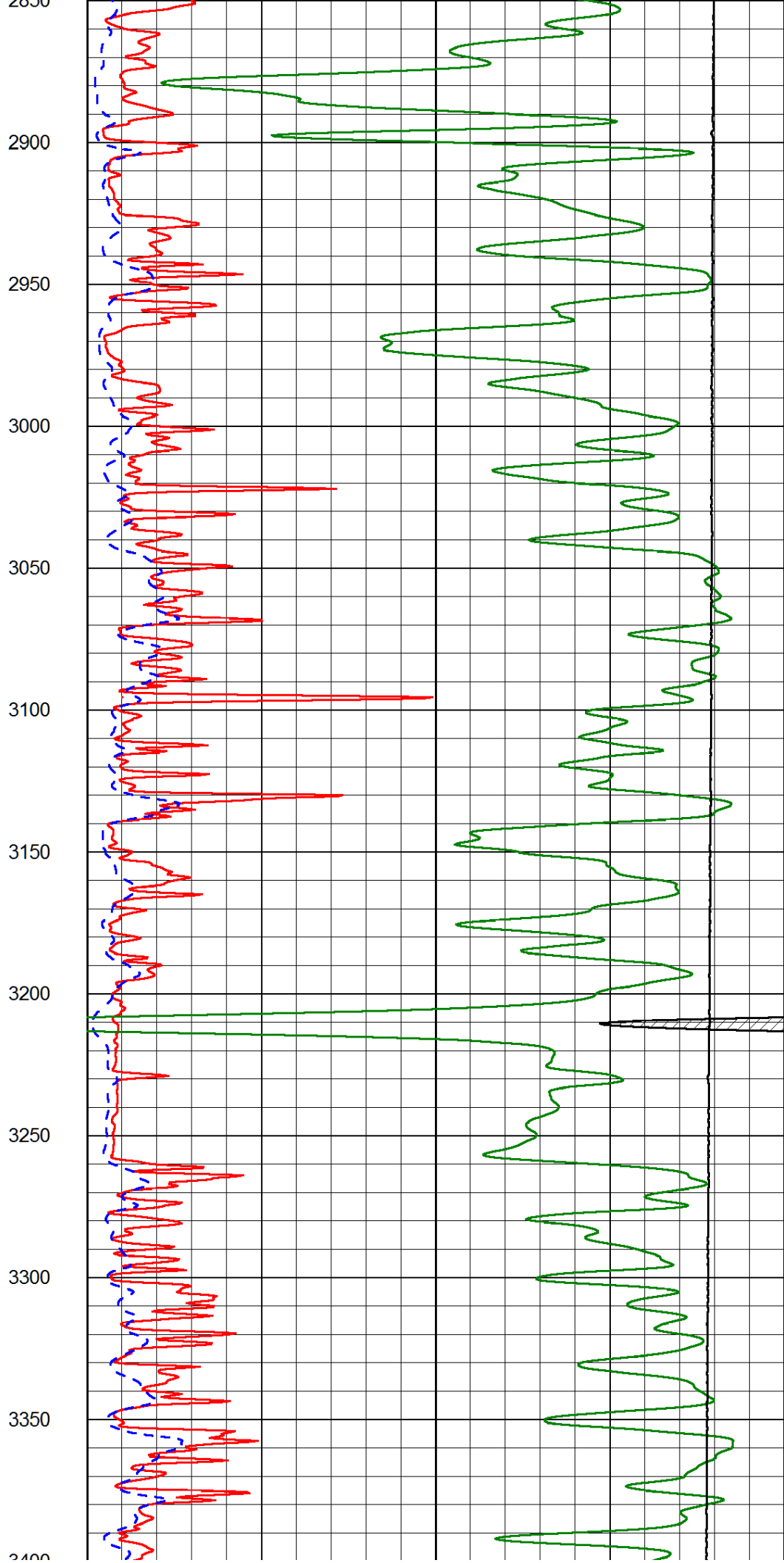
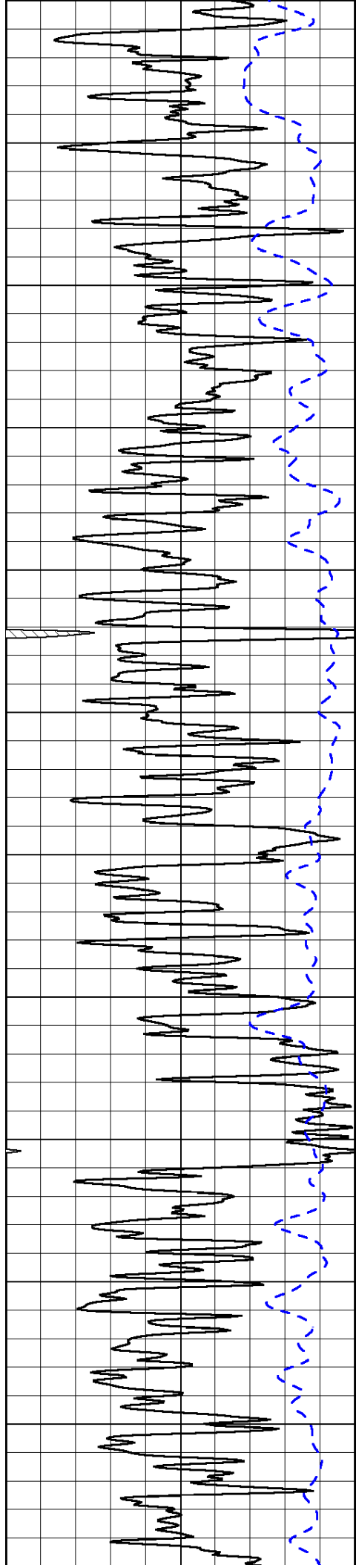
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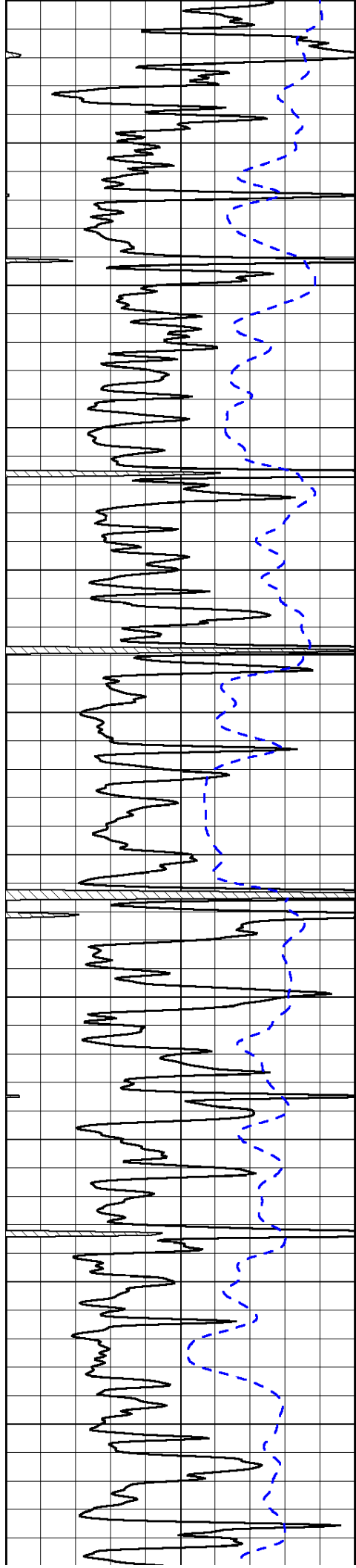




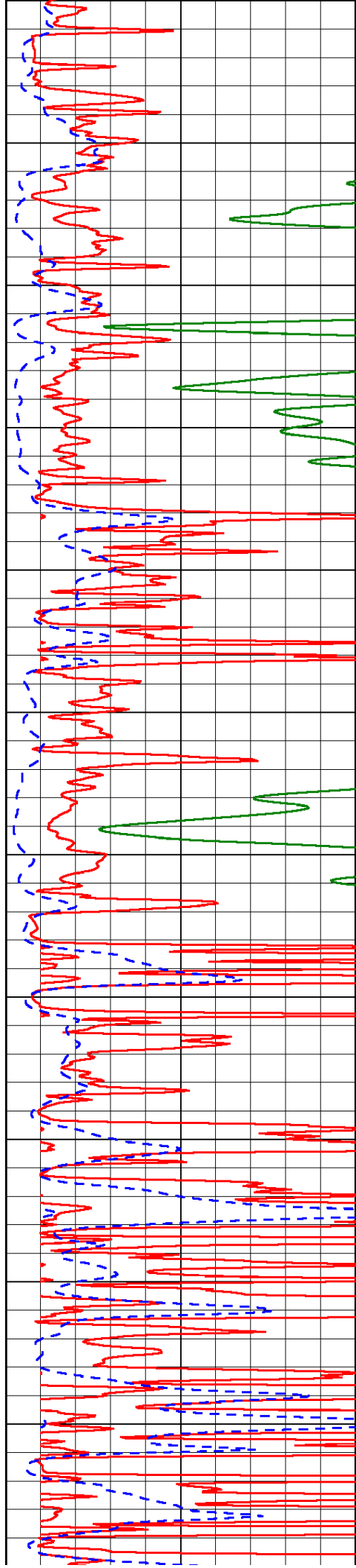


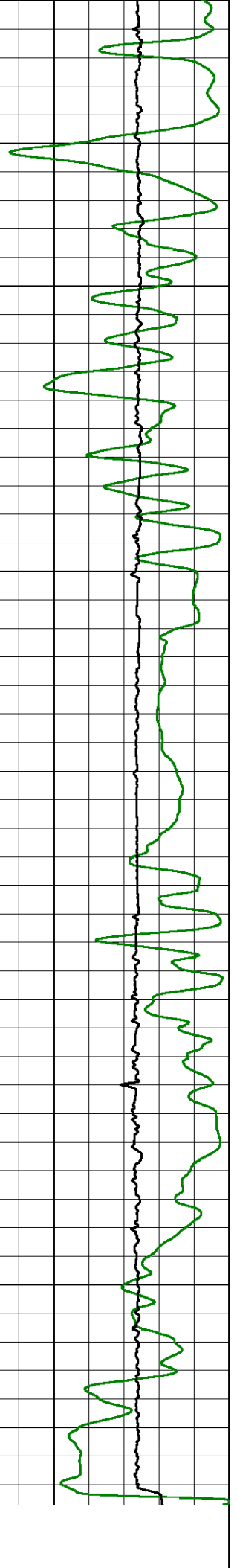
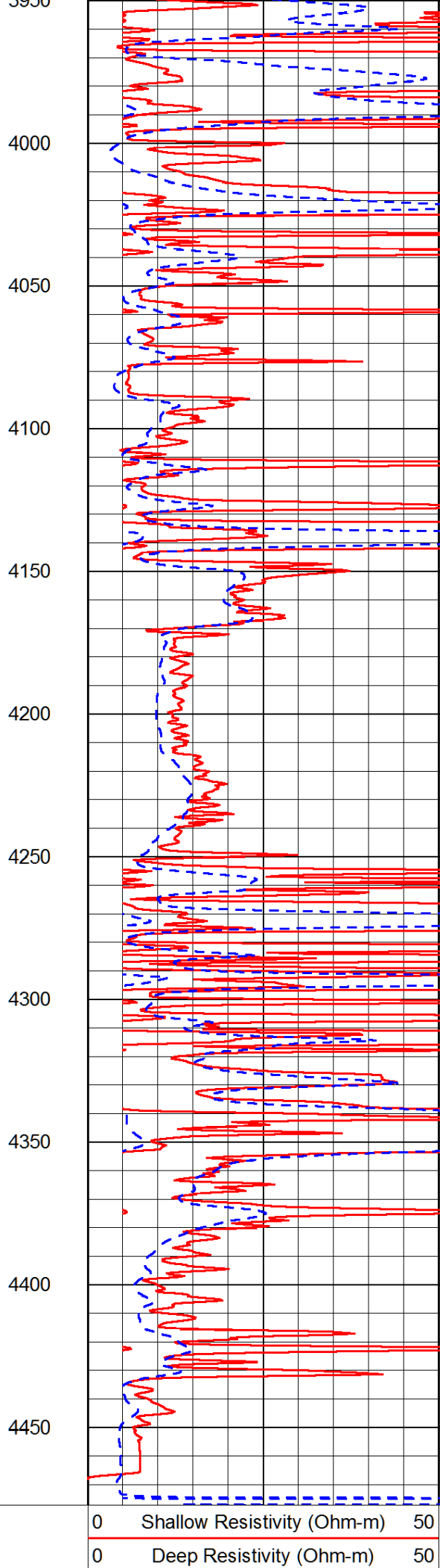
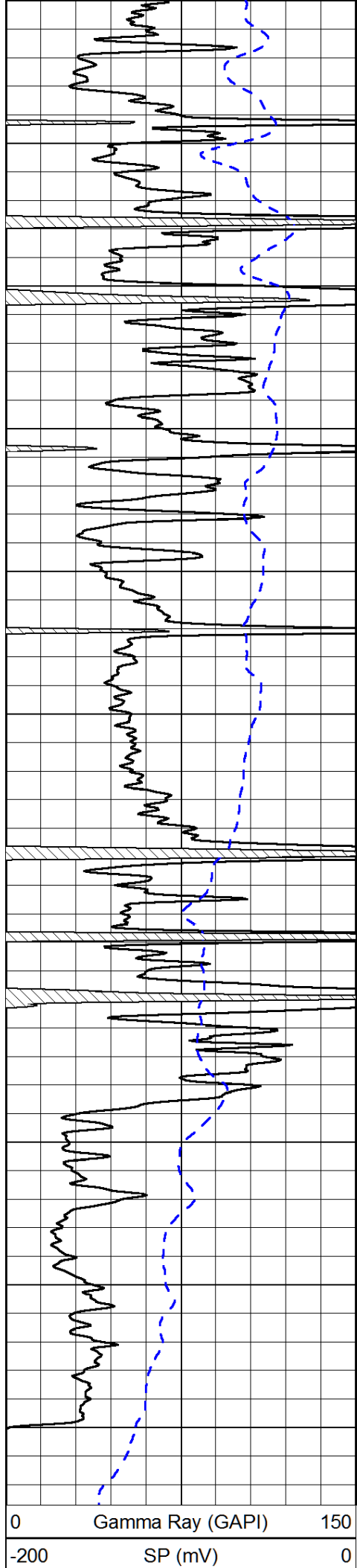






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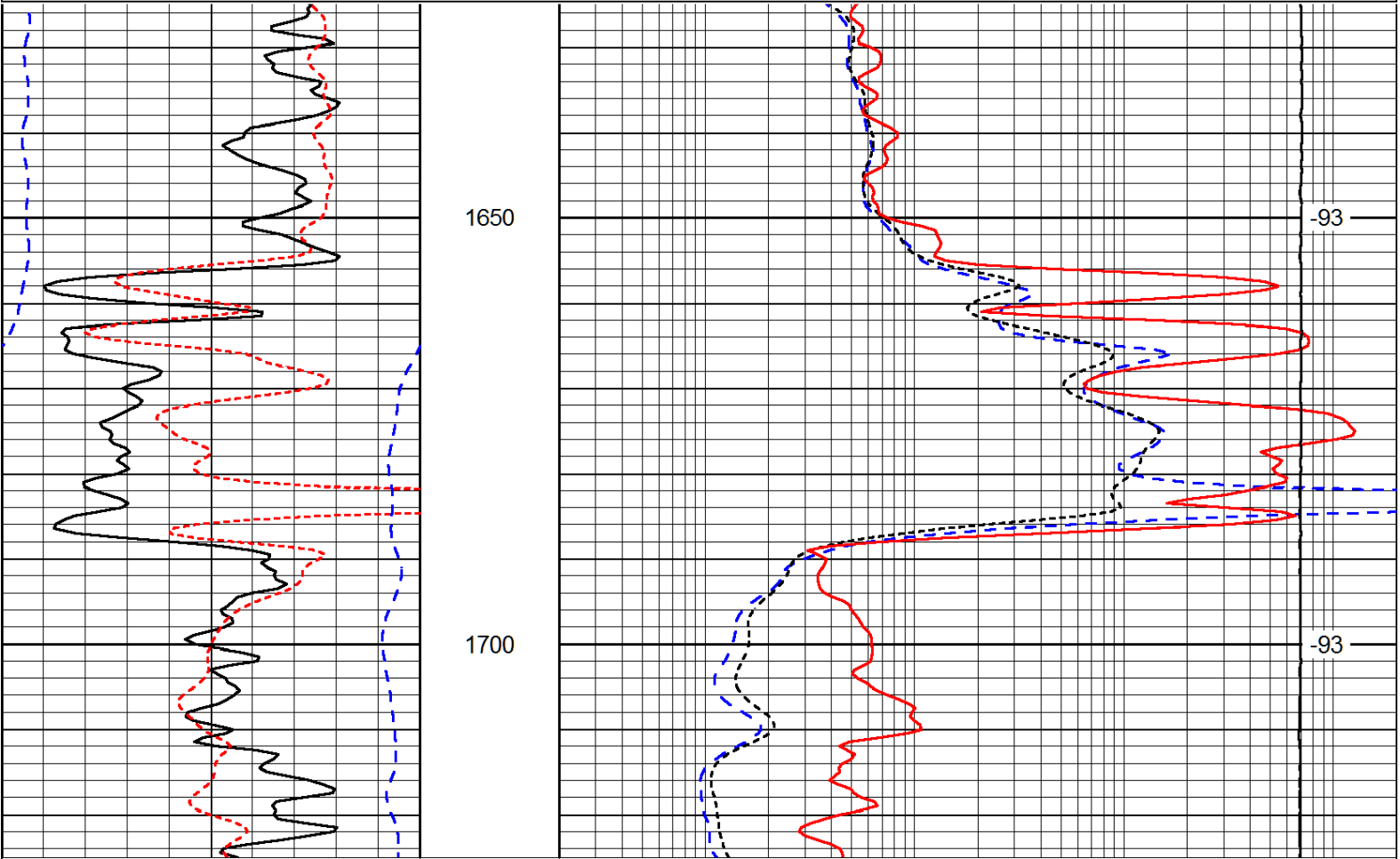
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15000	Line Tension (lb)	0
Shallow Resistivity		
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

Database File:	transpac_rufenacht_a_1_32hd.db
Dataset Pathname:	DIL/transstk
Presentation Format:	dil
Dataset Creation:	Thu Mar 28 19:47:34 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)



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-160	RXO/RT	40
-200	SP (mV)	0

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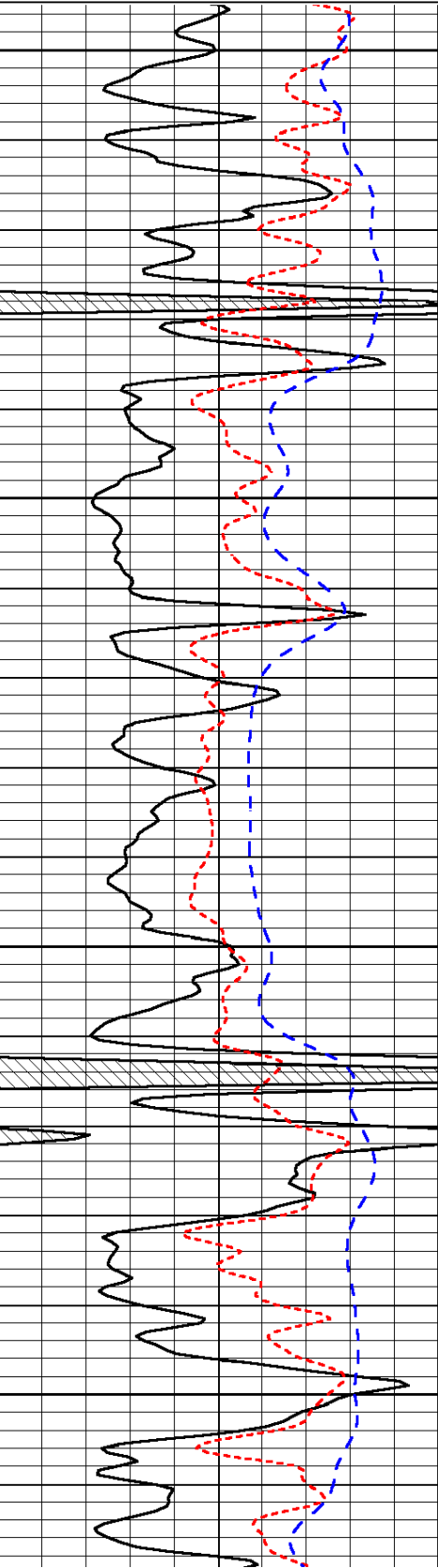
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LSPD

(ft/min)

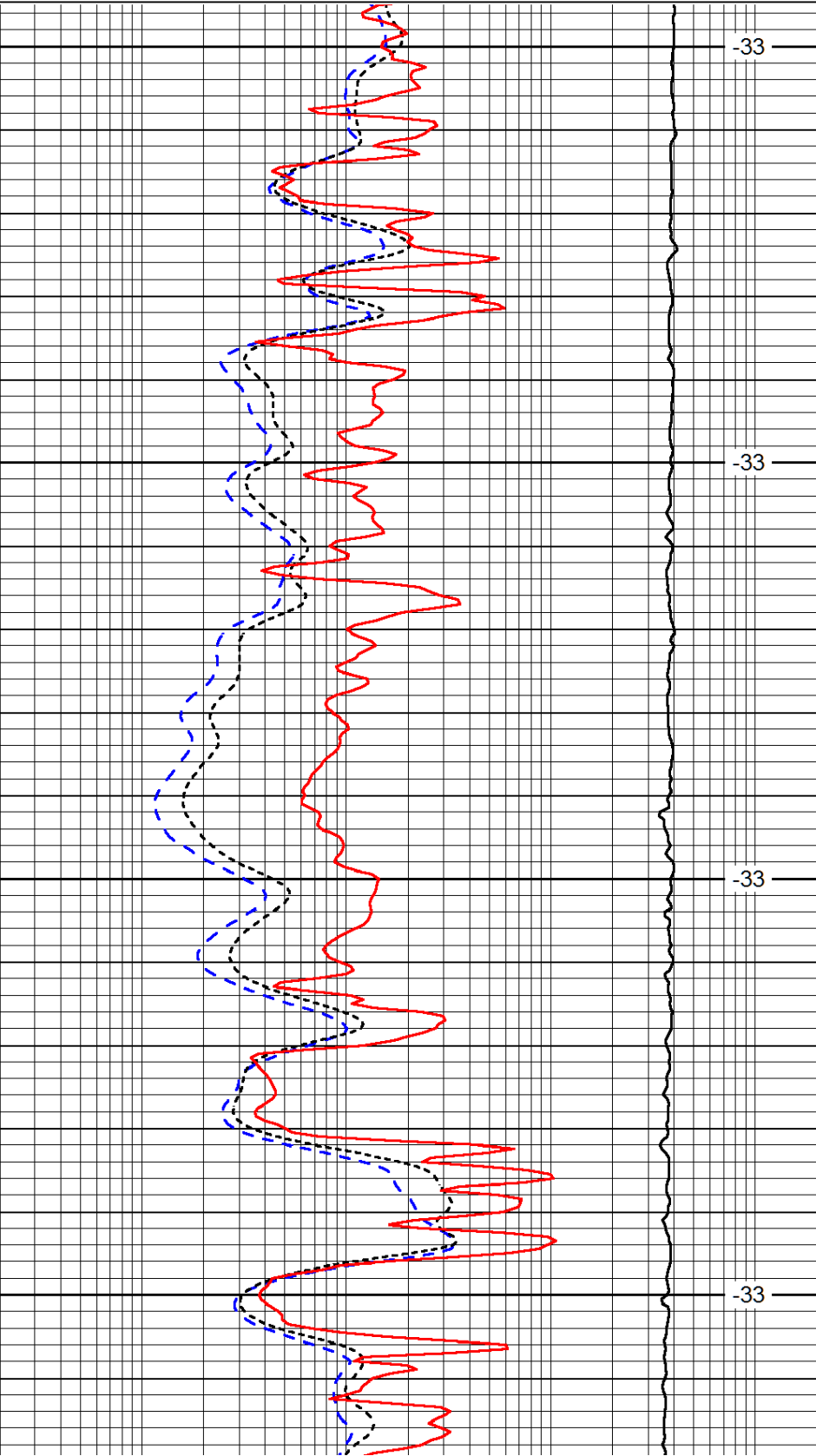


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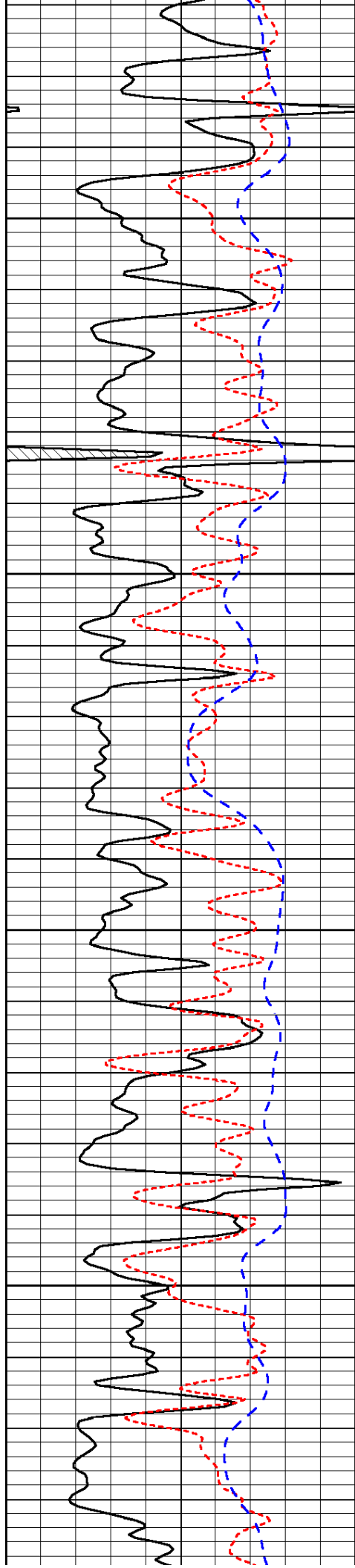


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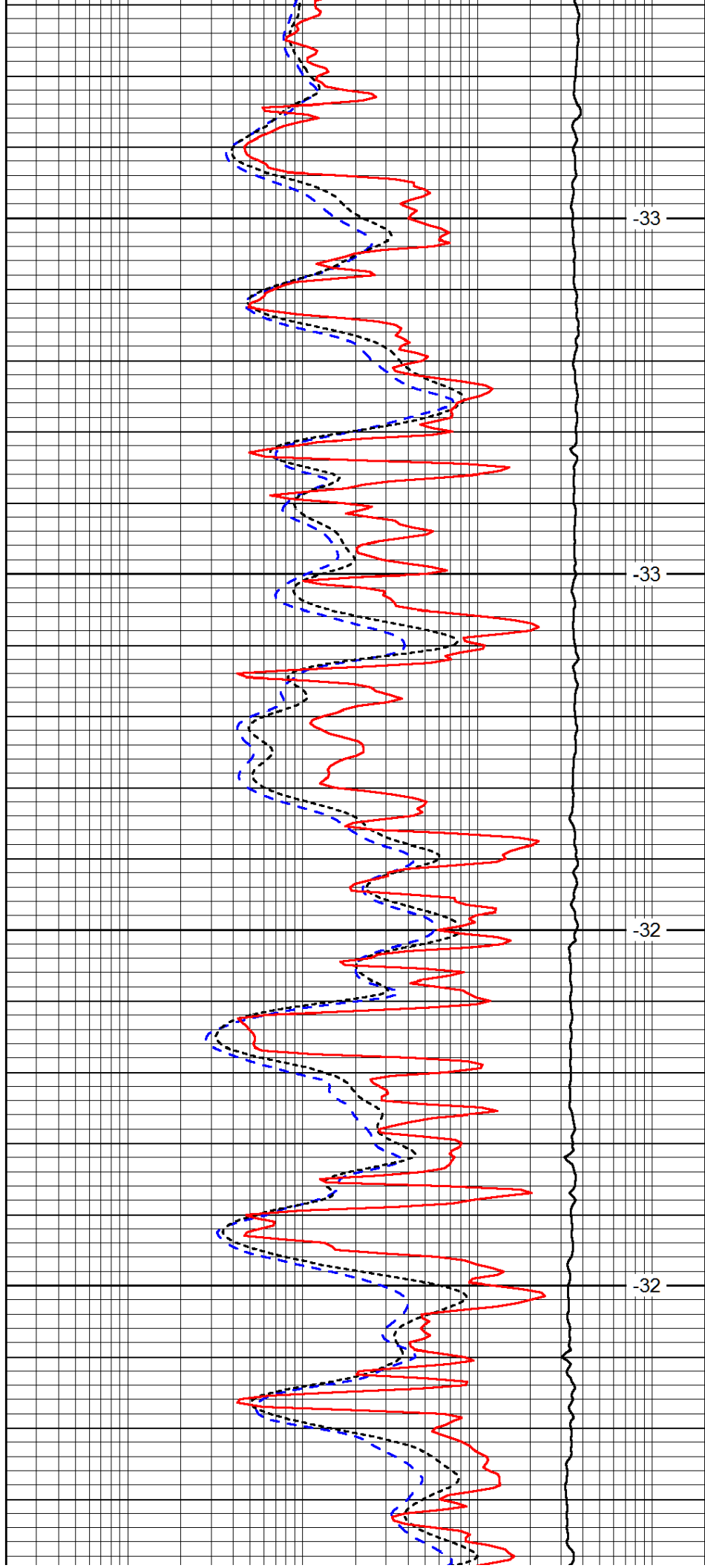


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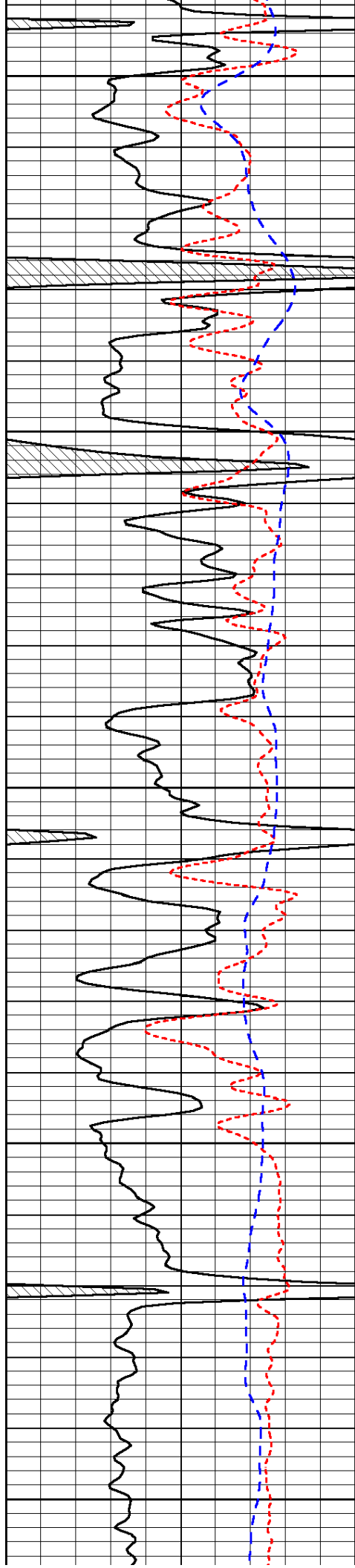


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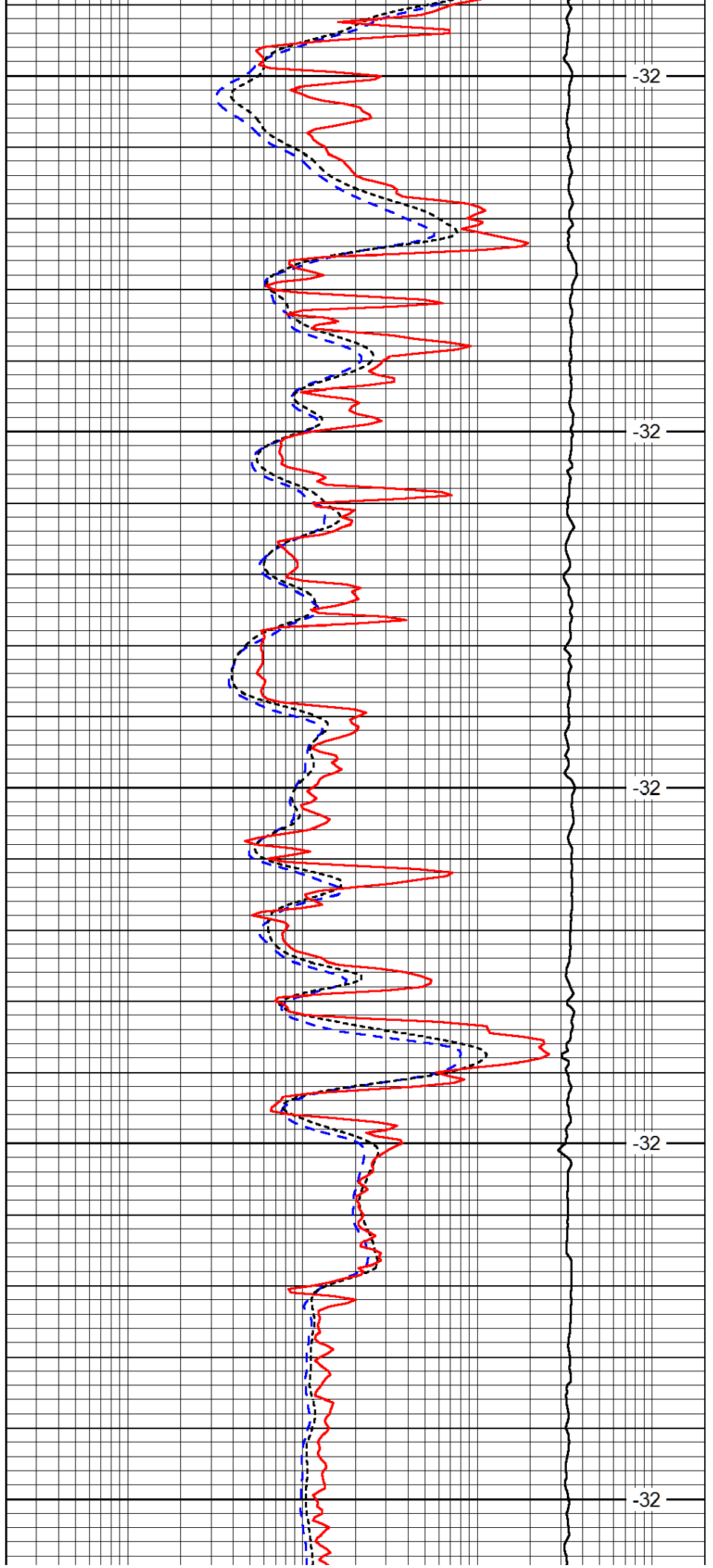
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4050

4100

4150

4200



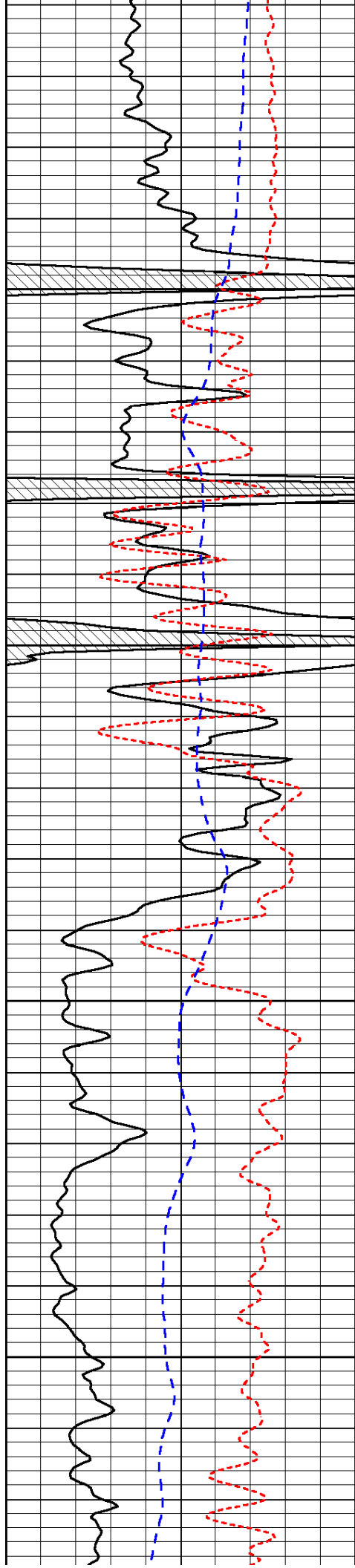
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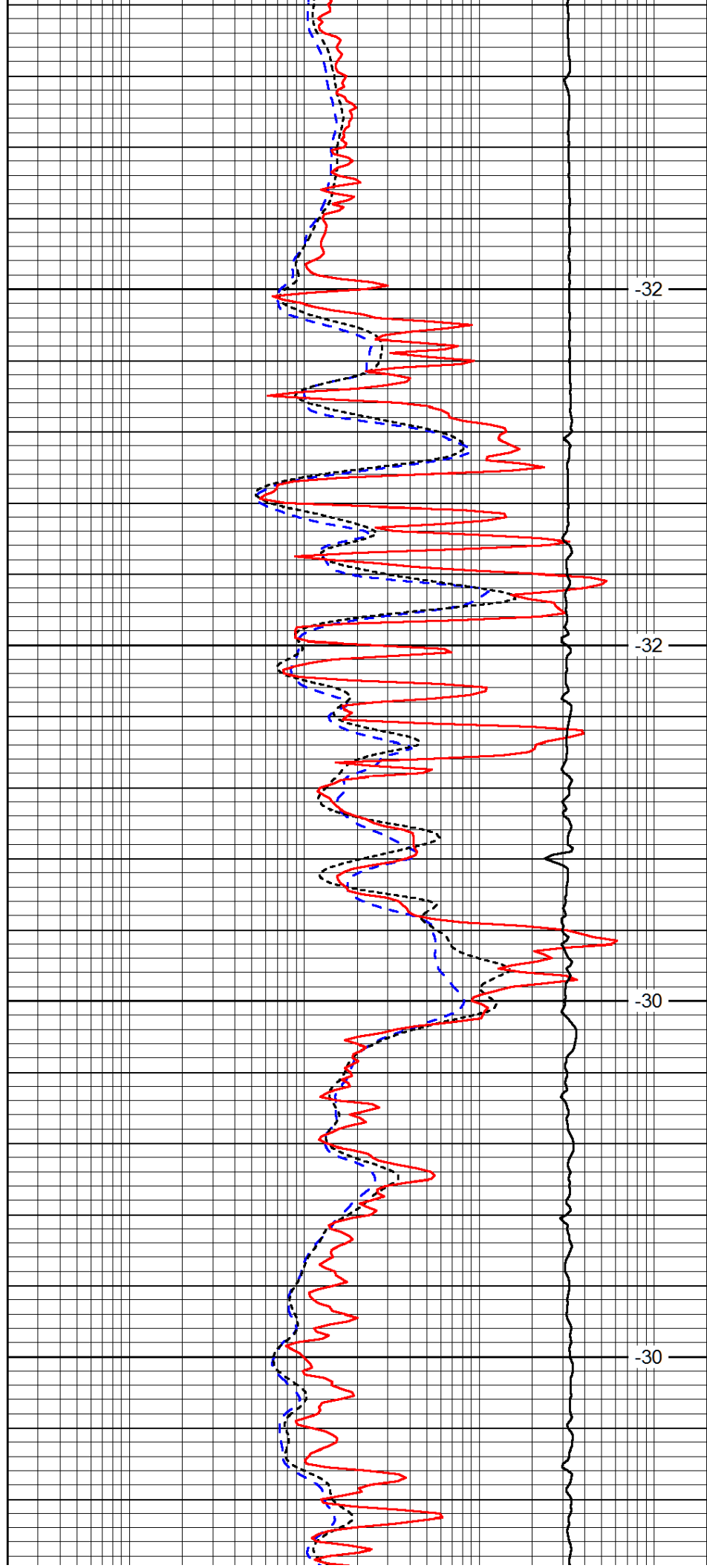


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4300

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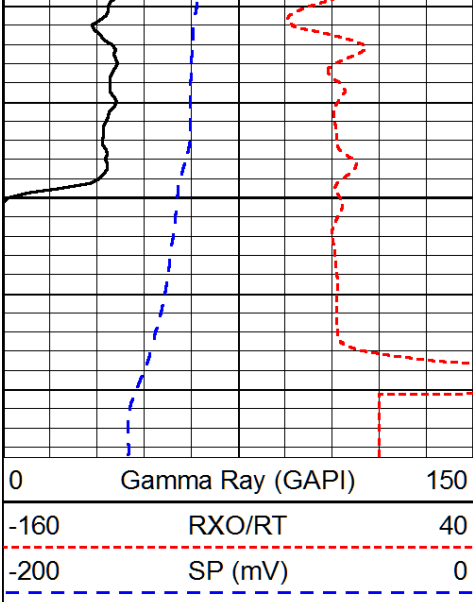


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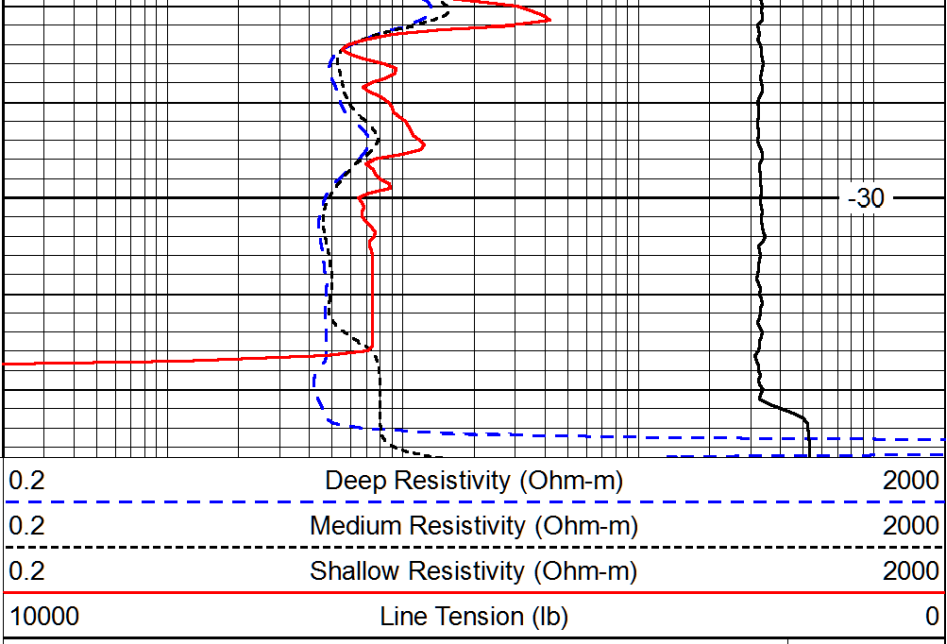
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-30



4450



-30

LSPD
(ft/min)