



PIONEER

Pioneer Energy Services

Dual Induction Log

API No.

15-035-22698-00-01

Company Pada Petroleum, Inc.

Well Brooks #2

Field Gibson

County Cowley

State

Kansas

Location

1980' FNL & 330' FWL

Sec: 33 Twp: 34 S Rge: 3 E

Permanent Datum Ground Level Elevation 1153
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL

Elevation
K.B. 1161
D.F. 1153
G.L. 1153

Date 8/06/2012

Run Number One

Depth Driller 3804

Depth Logger 3806

Bottom Logged Interval 3805

Top Log Interval 250

Casing Driller 8.625 @ 264

Casing Logger 269

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 7.800

Density / Viscosity 9.1 67

pH / Fluid Loss 10.0 9.2

Source of Sample Flowline

Rm @ Meas. Temp .65 @ 75

Rmf @ Meas. Temp .49 @ 75

Rmc @ Meas. Temp .88 @ 75

Source of Rmf / Rmc Charts

Rm @ BHT .42 @ 116

Operating Rig Time 3 Hours

Max Rec. Temp. F 116

Equipment Number 91

Location Hays

Recorded By K. Bange

Witnessed By Dave Warren

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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

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(785) 625-3858

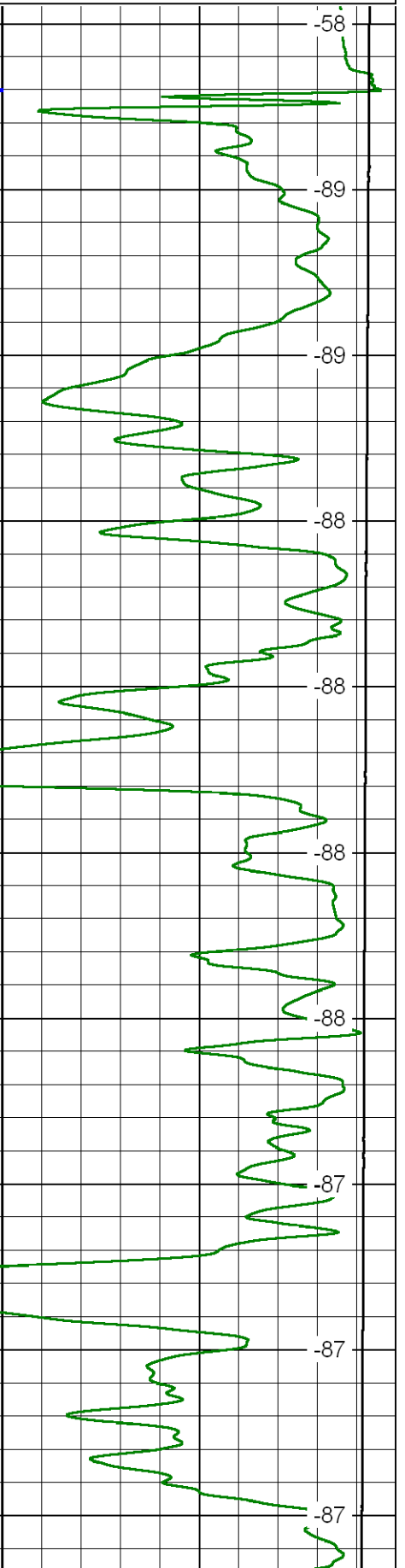
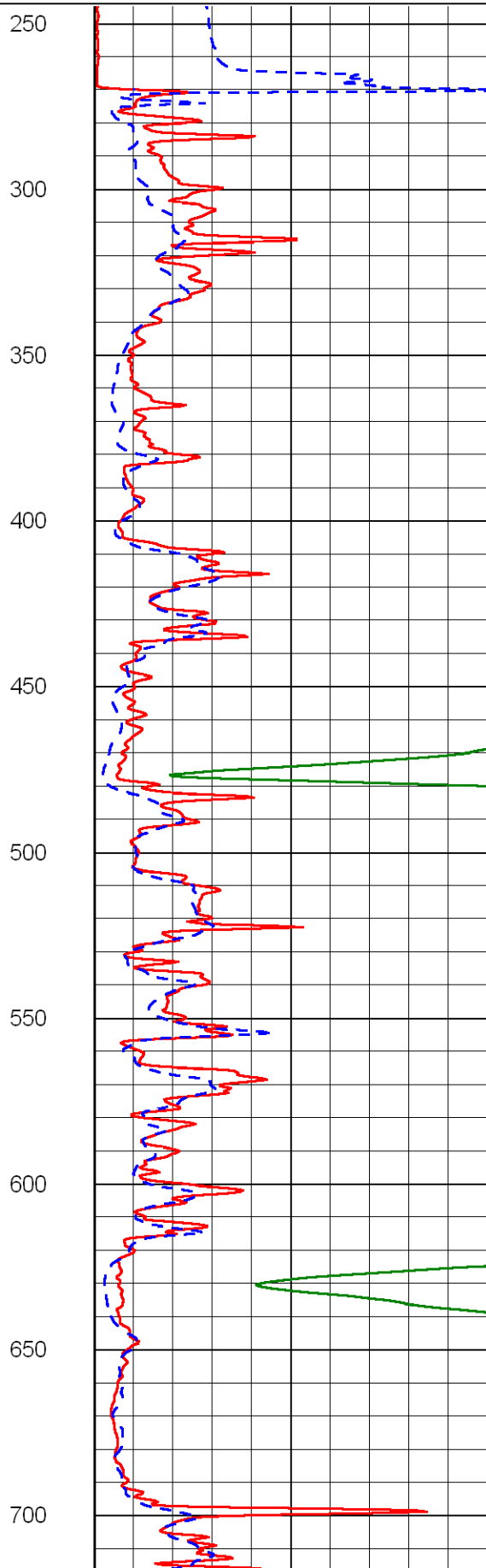
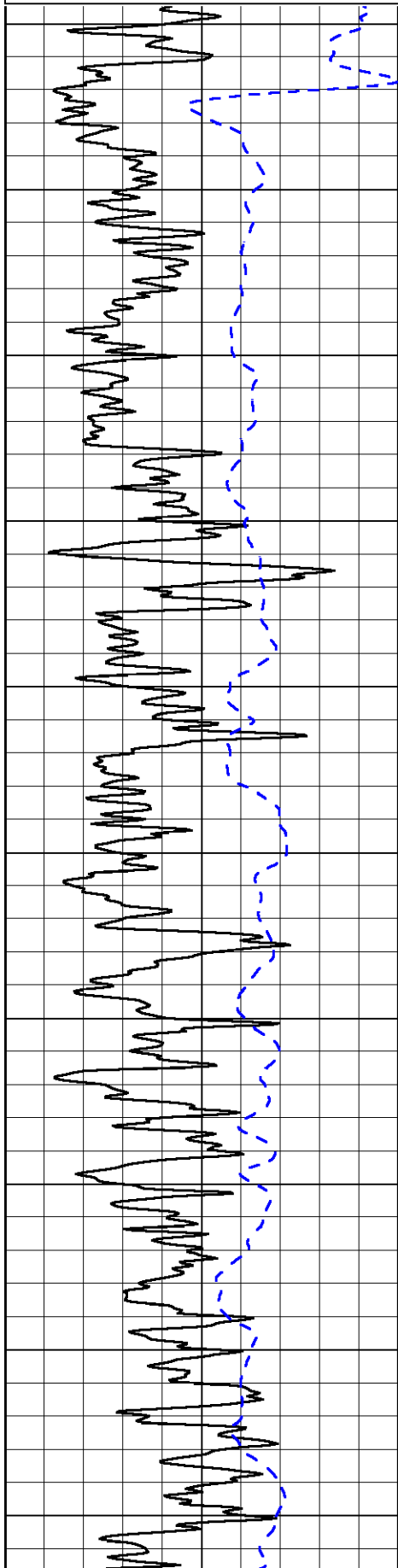
Ark City, appx.3 W to rd 21,
1/4 S, E into

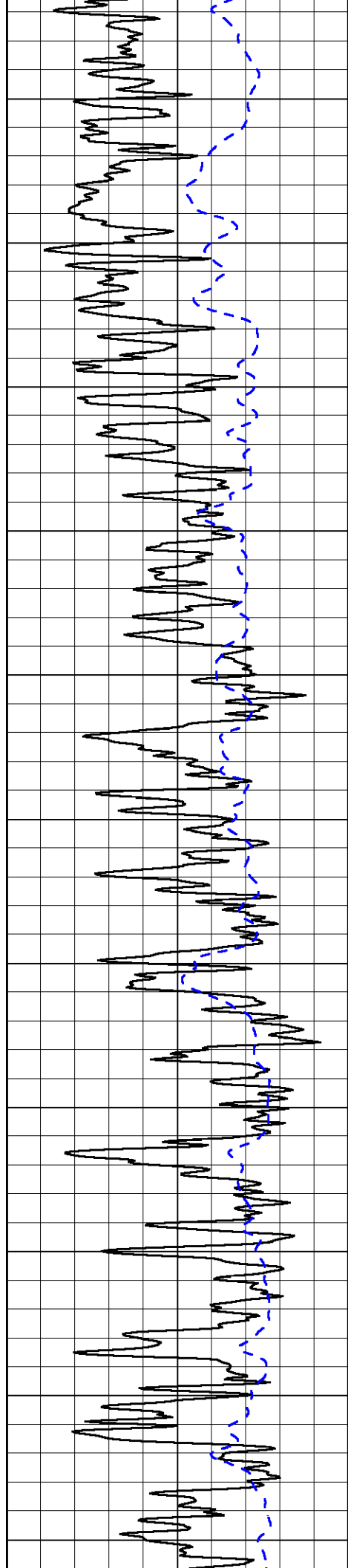
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Dataset Pathname: dil/padastack
Presentation Format: dil2in
Dataset Creation: Mon Aug 06 07:48:15 2012
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
-200	SP	0

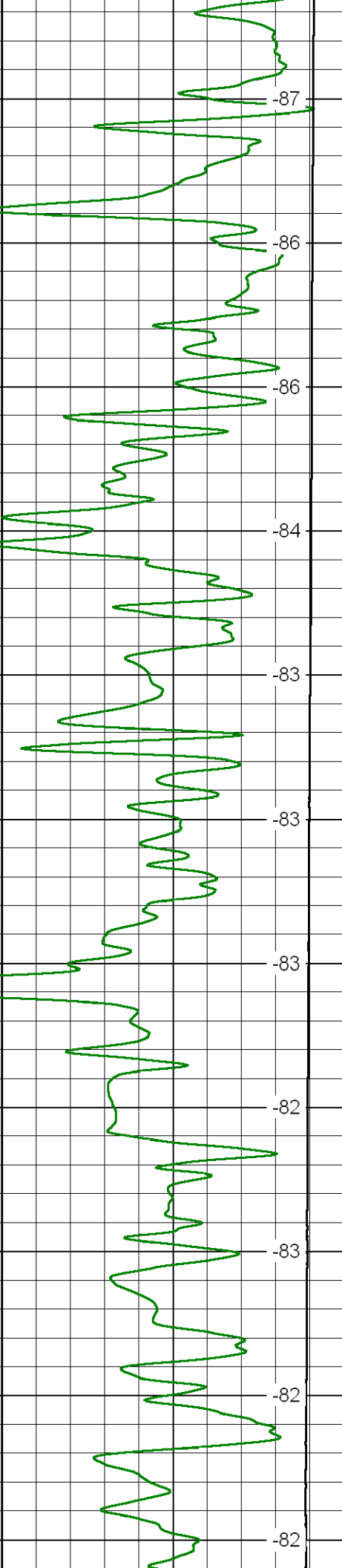
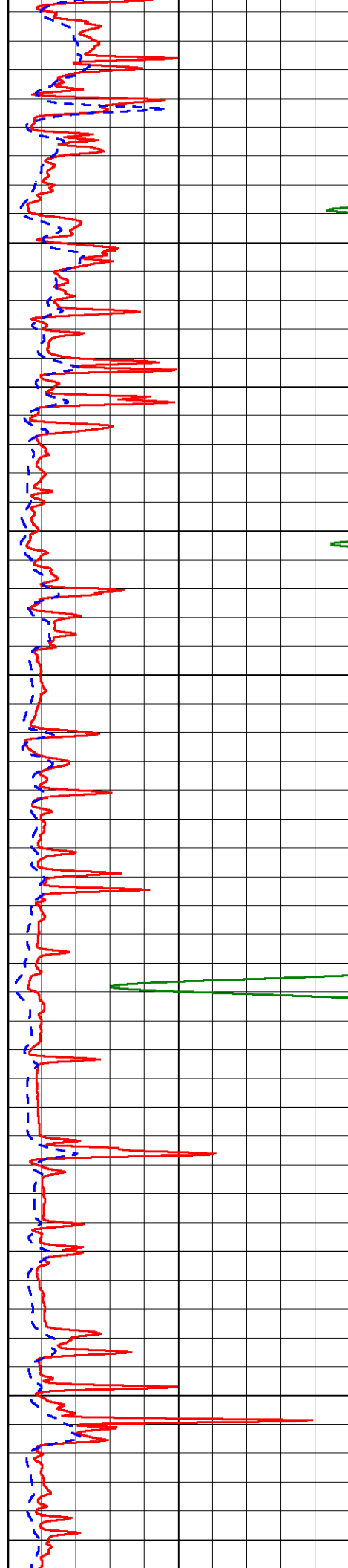
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0

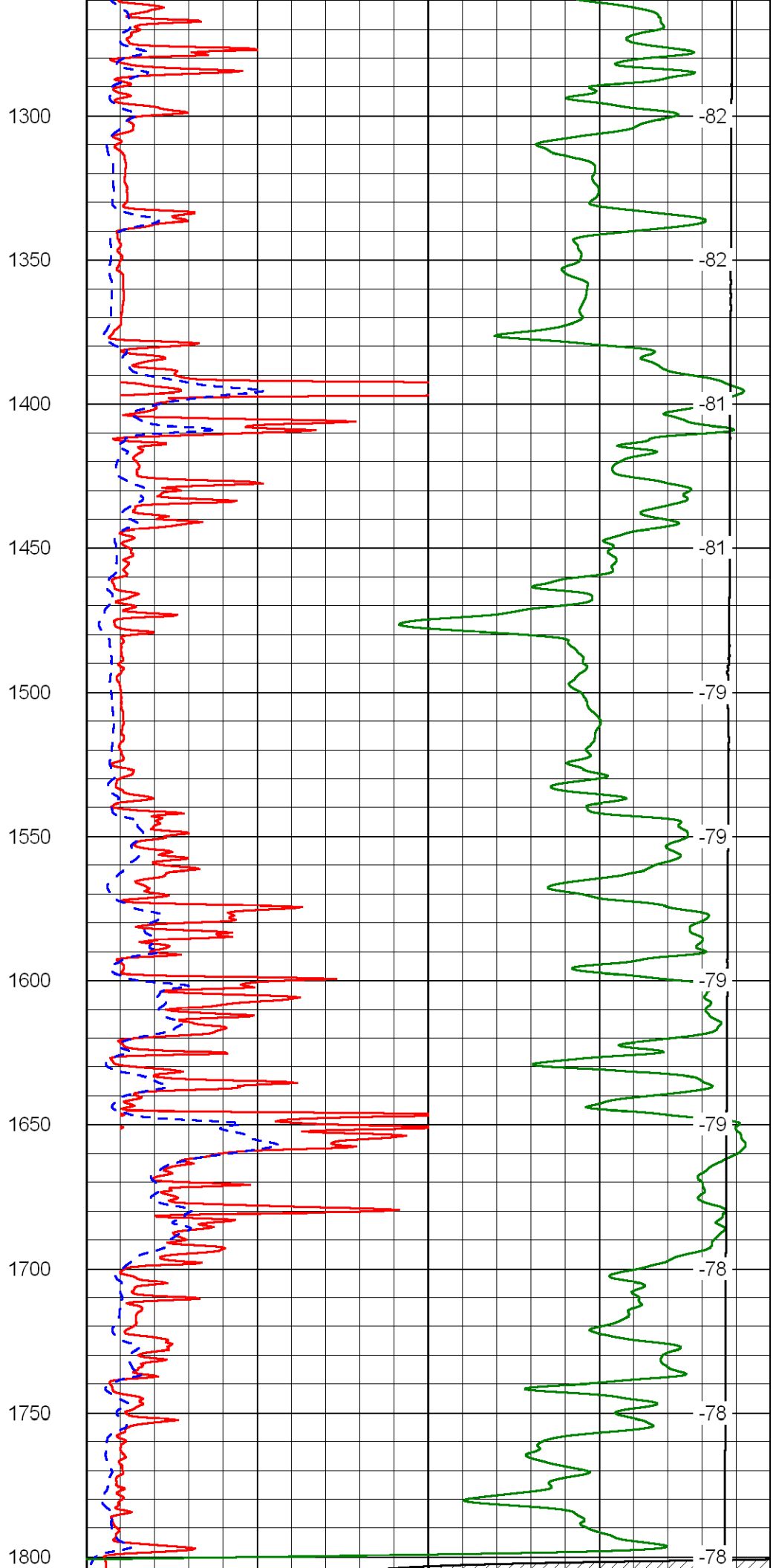
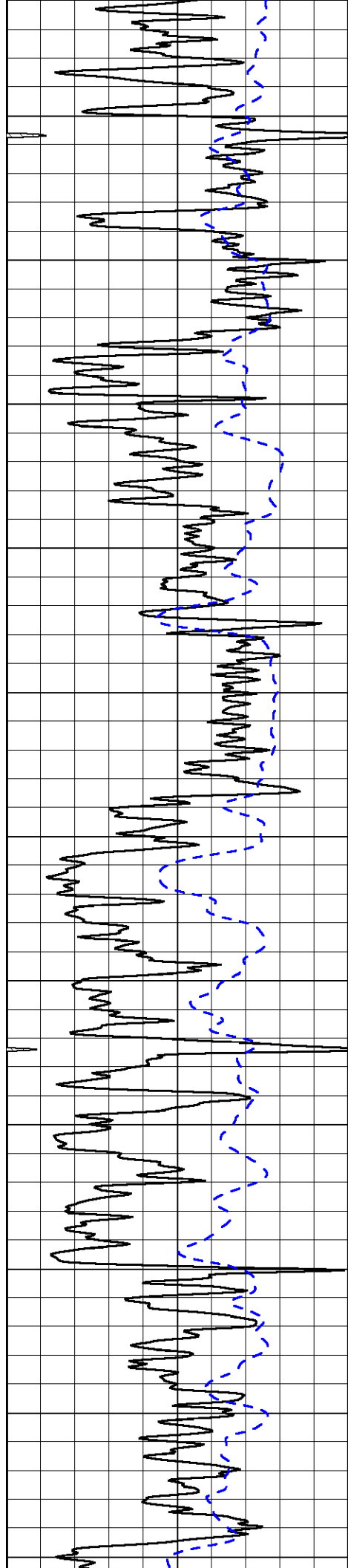
LSPD
0
0

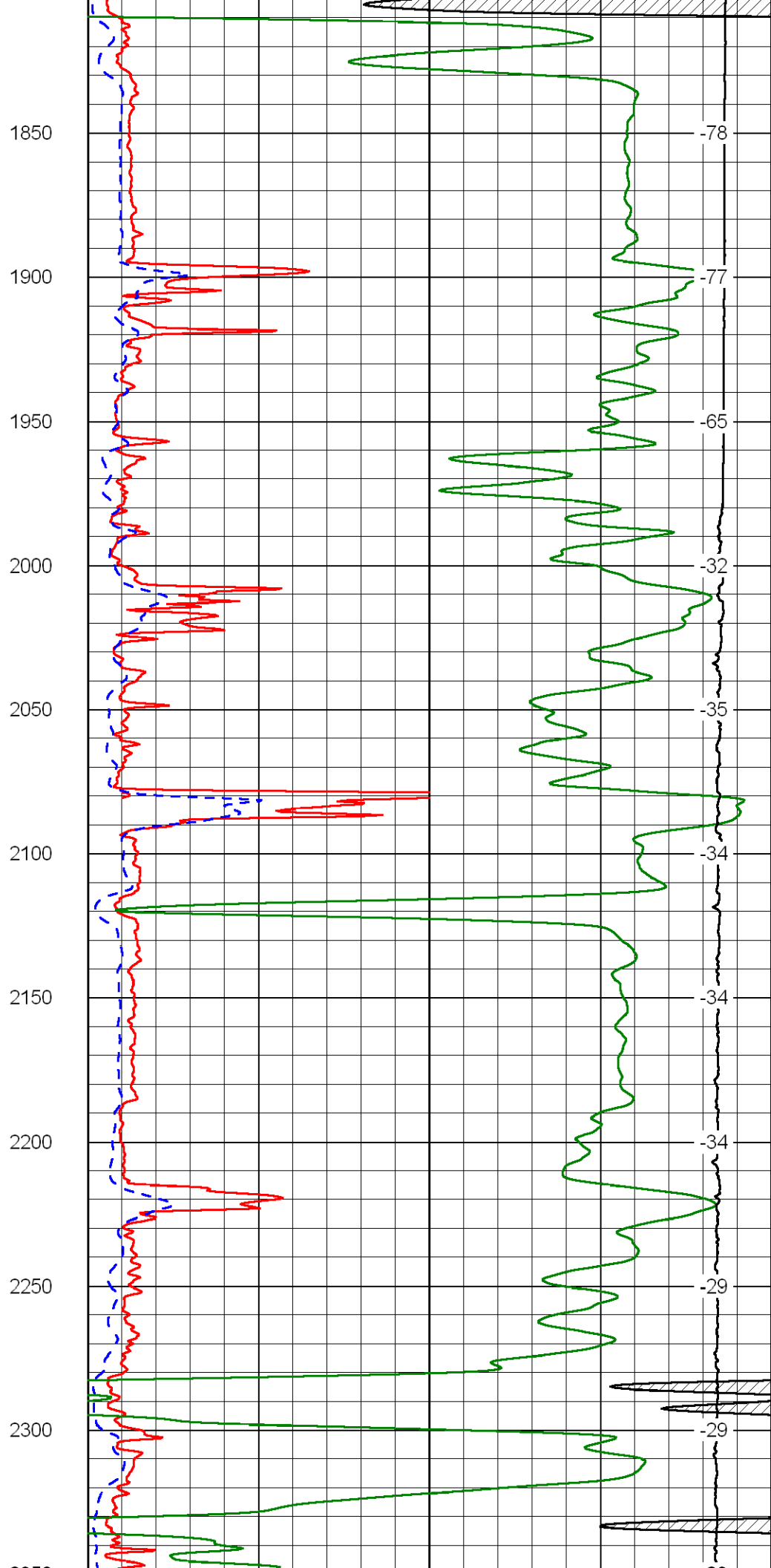
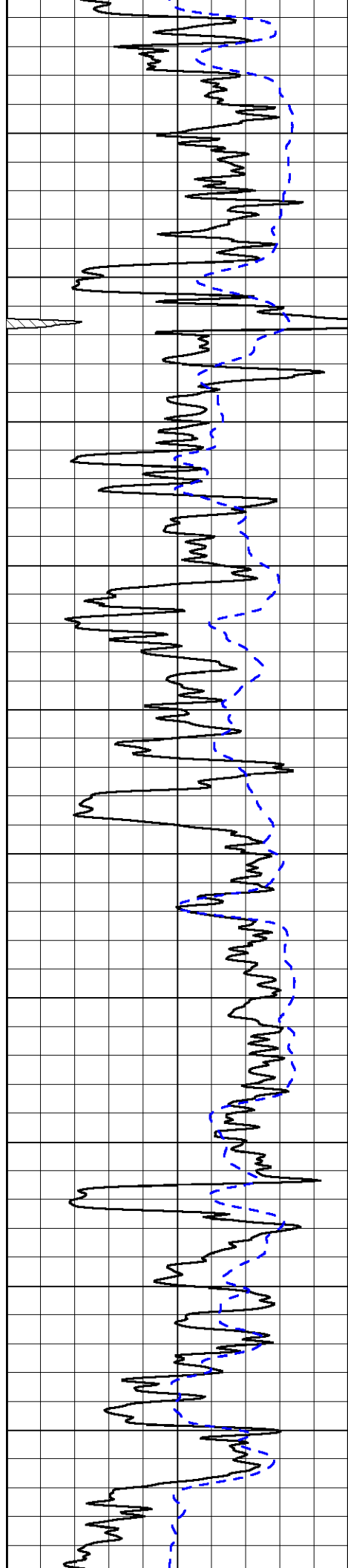


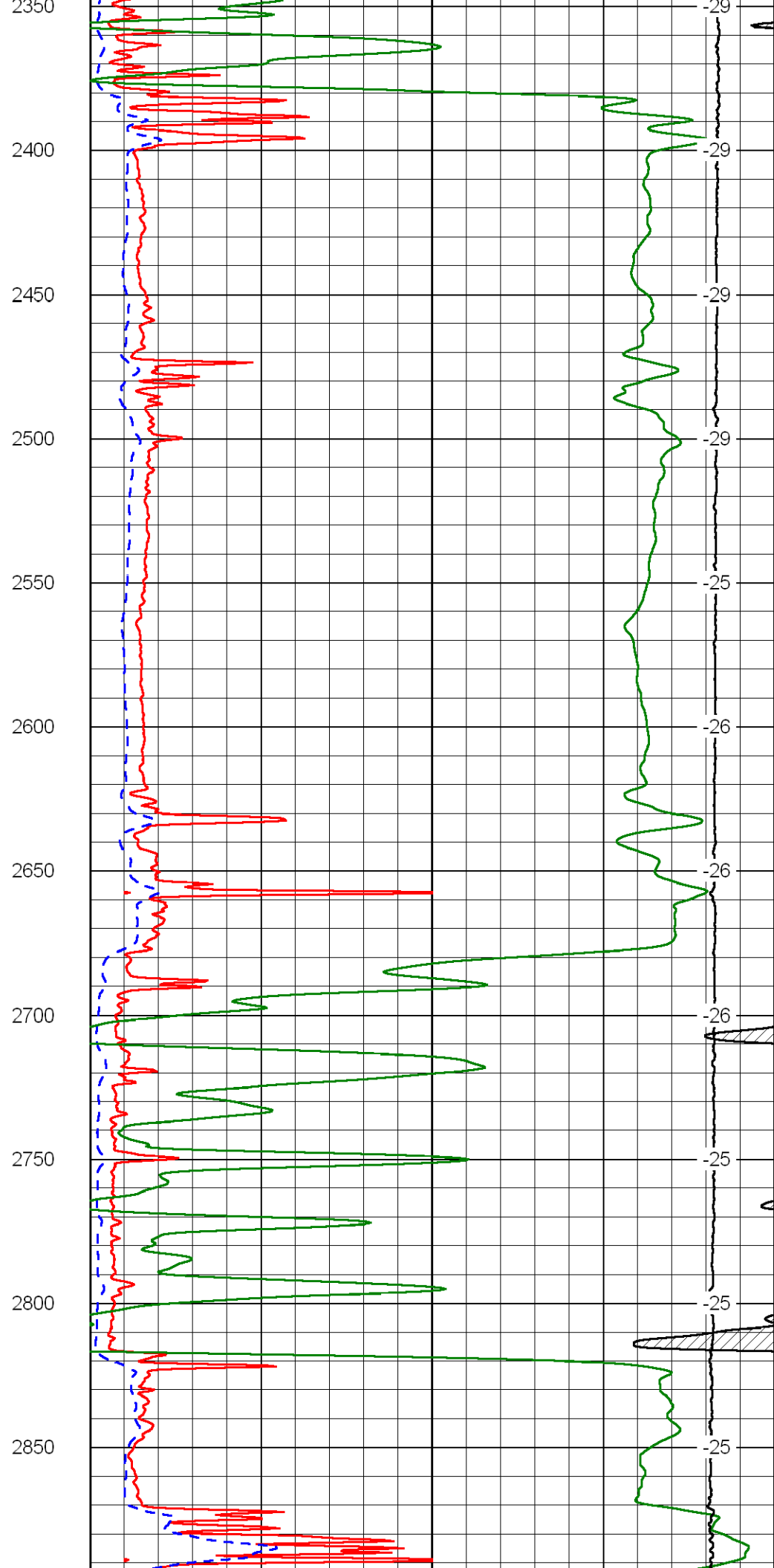
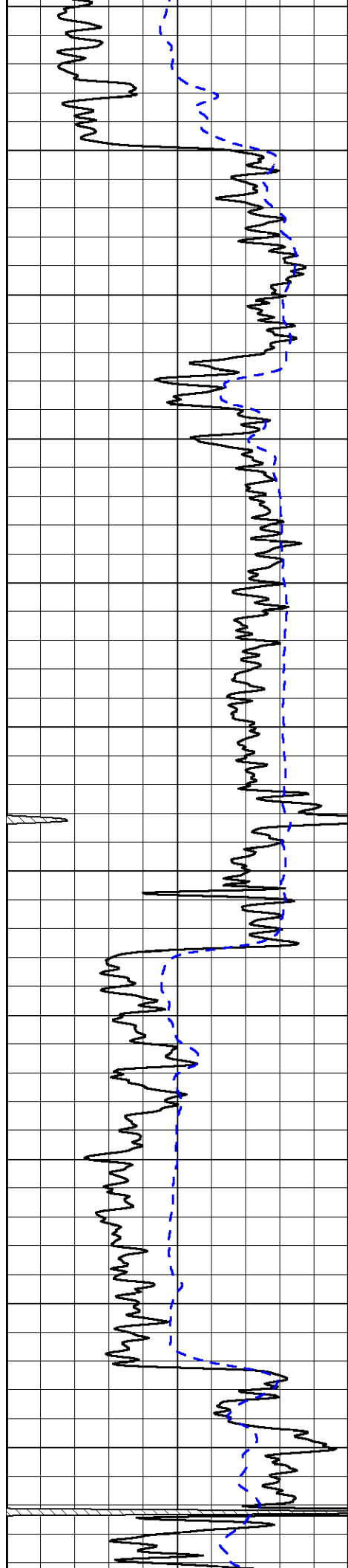


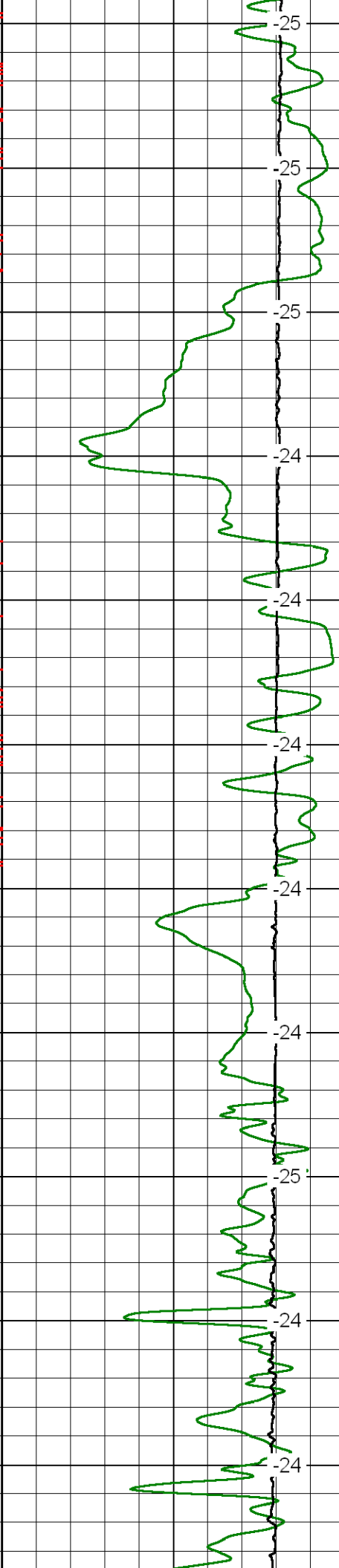
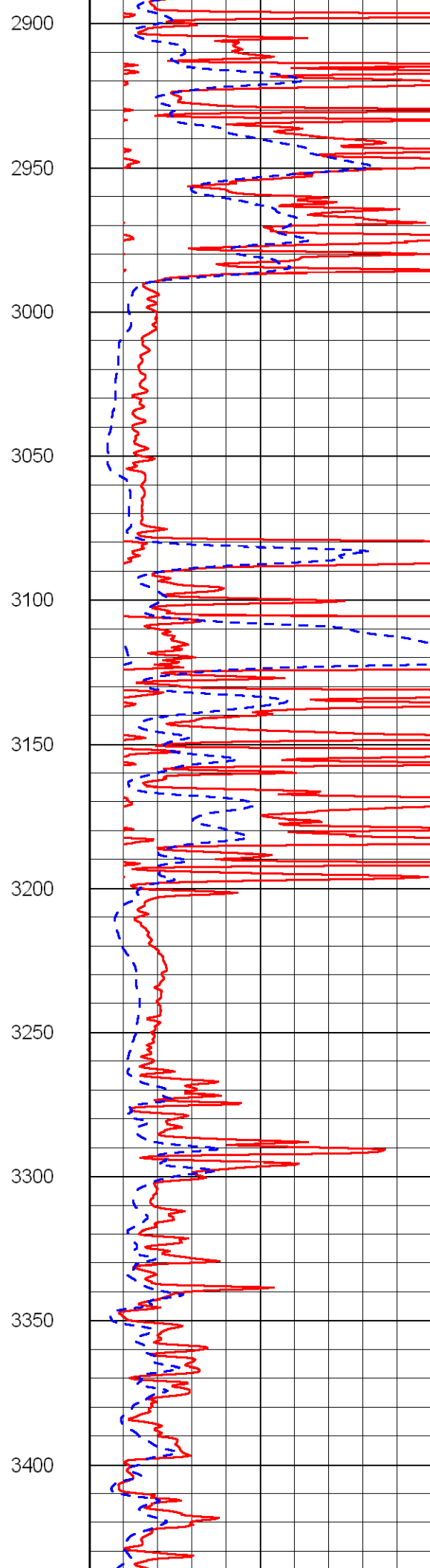
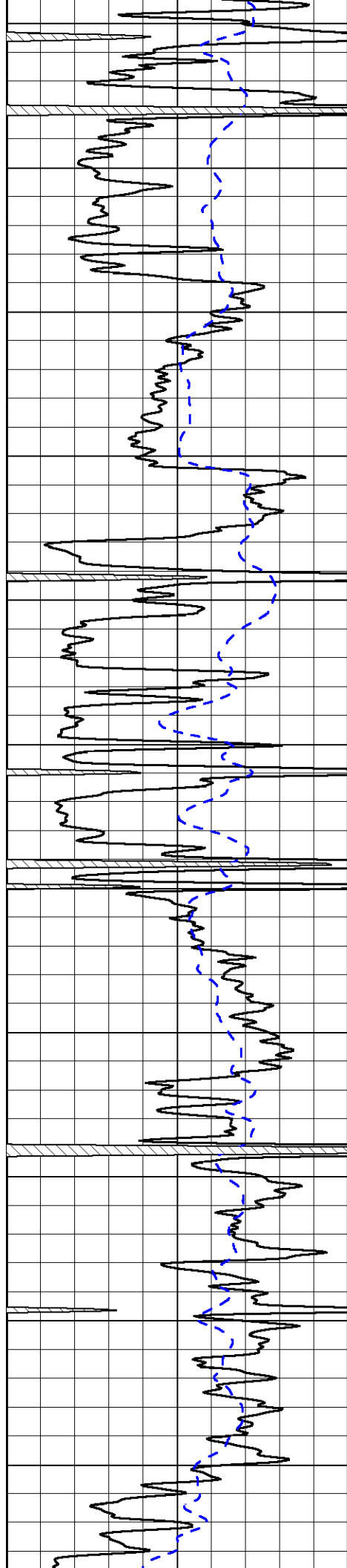
750
800
850
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950
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1050
1100
1150
1200
1250

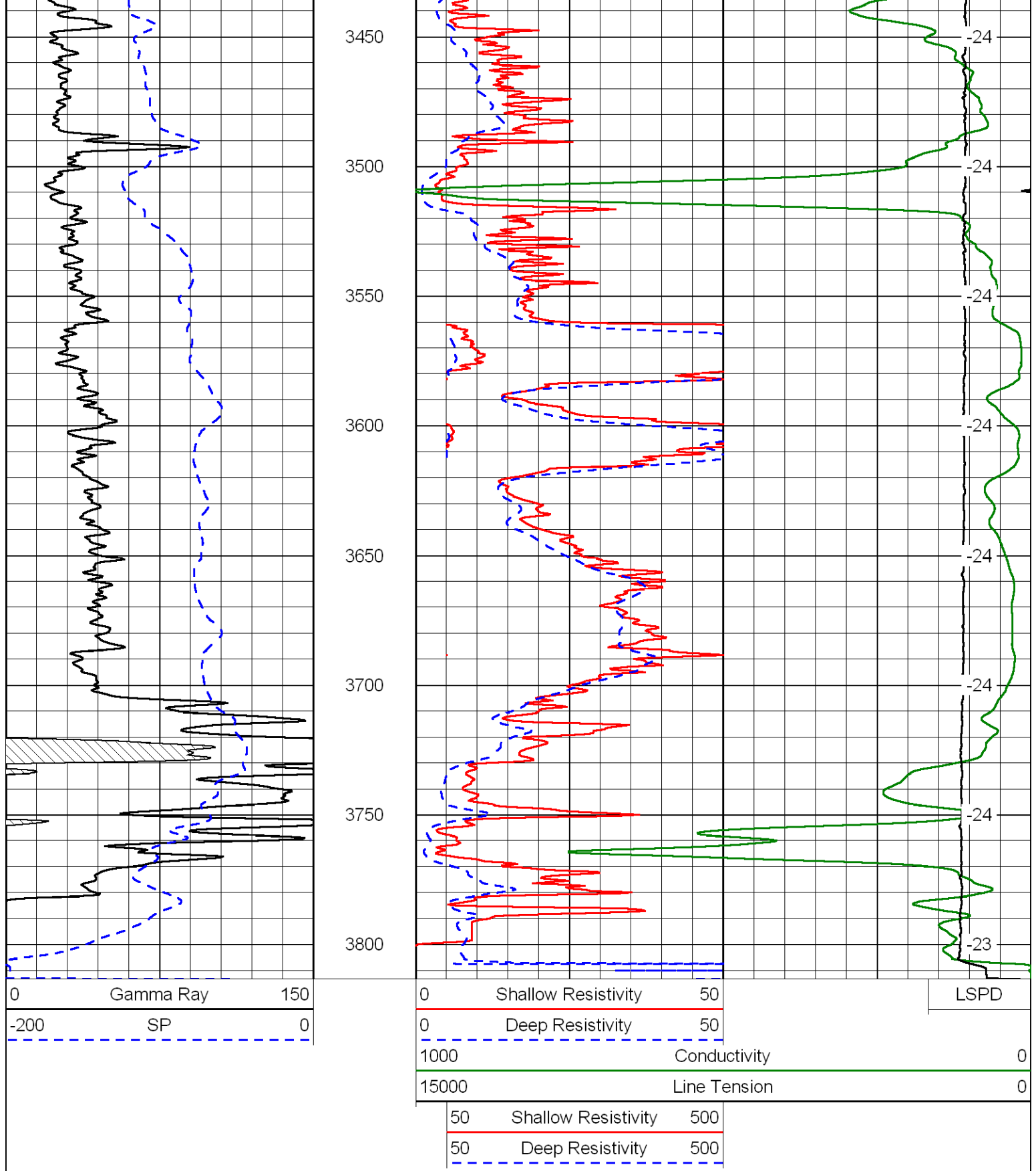






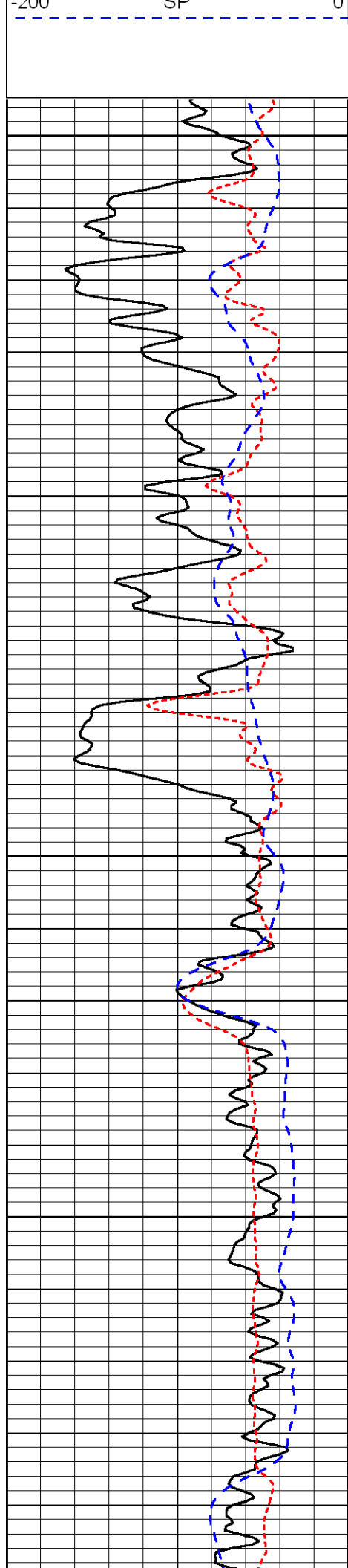






Database File: pada080612hd.db
 Dataset Pathname: dil/padastack
 Presentation Format: dil
 Dataset Creation: Mon Aug 06 07:48:15 2012
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	0.2	Deep Resistivity	2000
-160	RXO/RT	40	0.2	Medium Resistivity	2000
-200	SP	0	0.2	Shallow Resistivity	2000

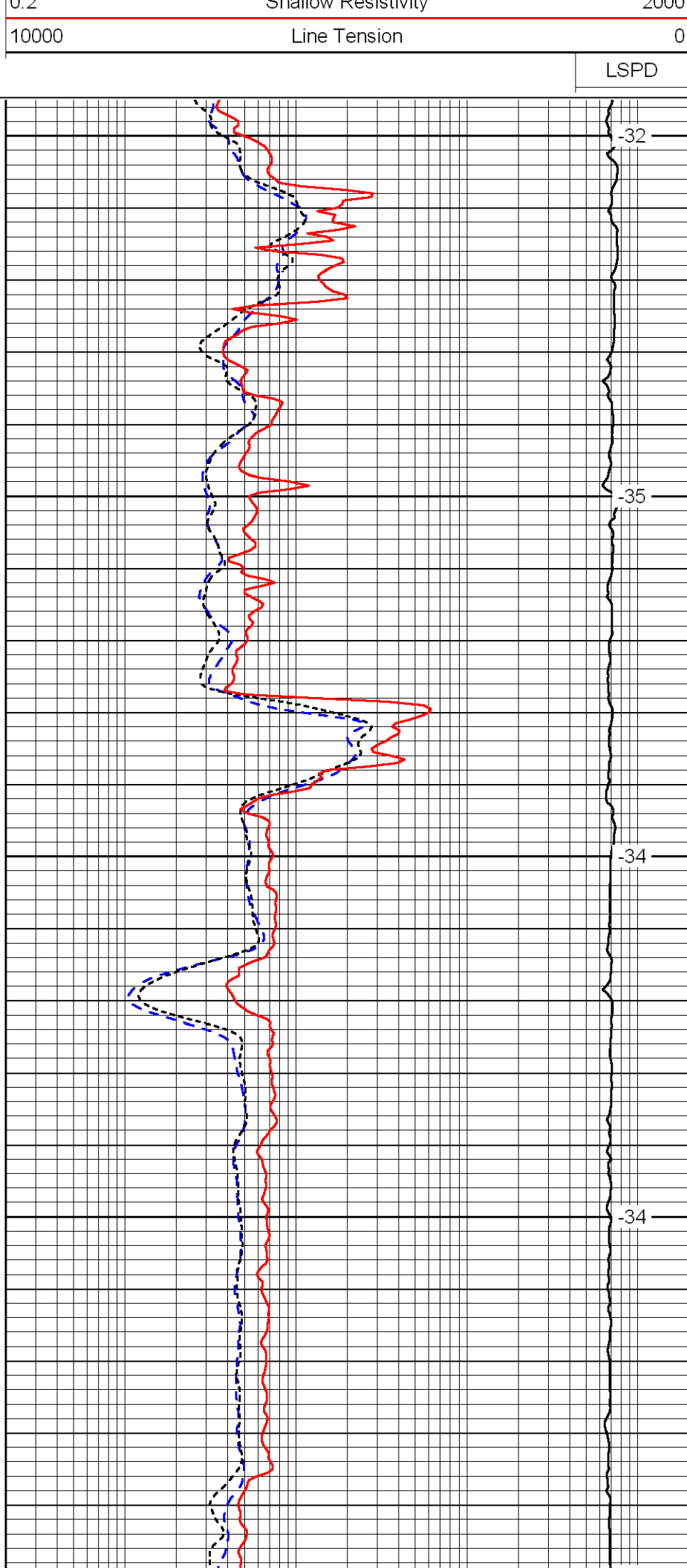


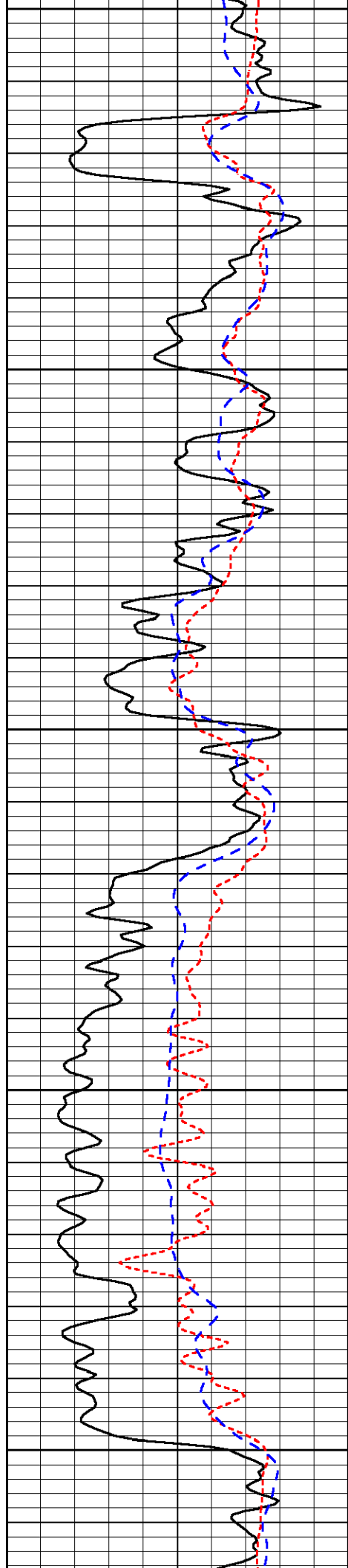
2000

2050

2100

2150





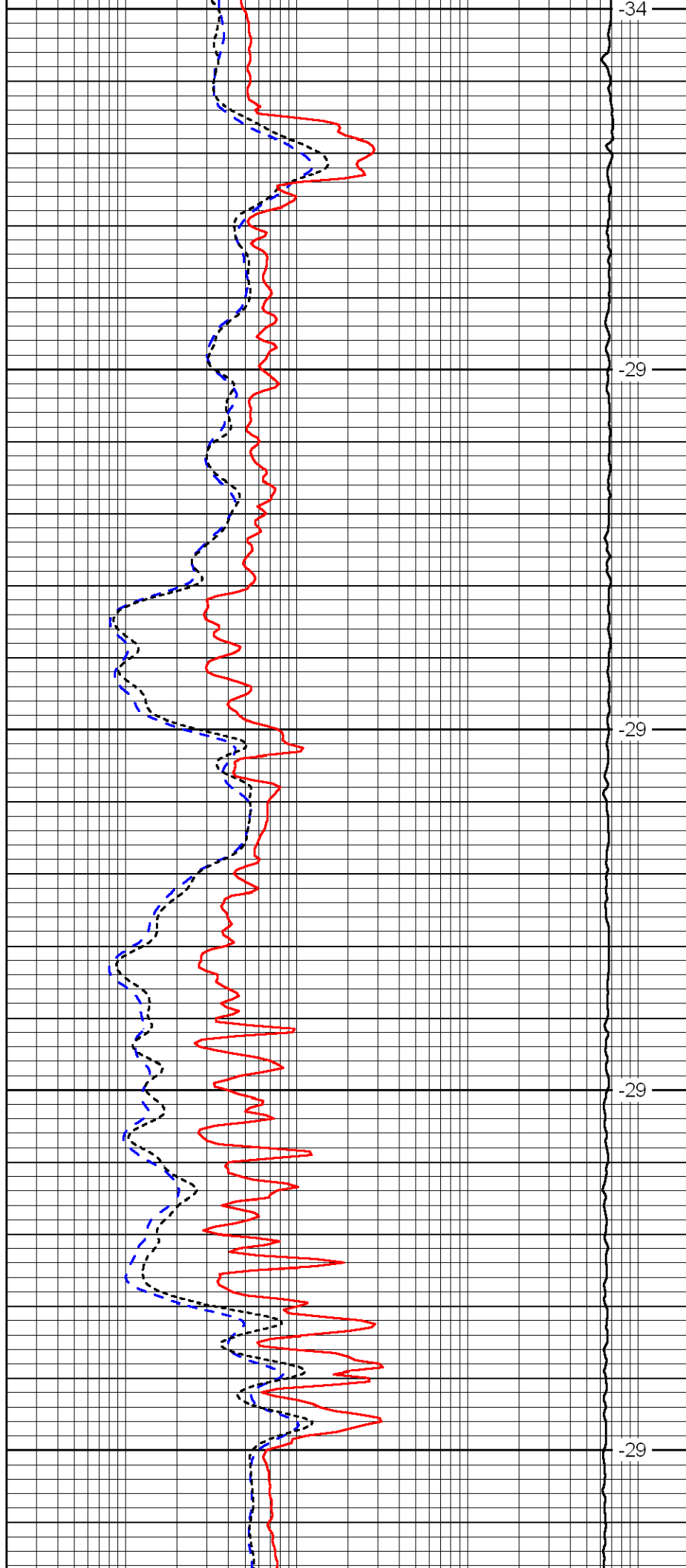
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2250

2300

2350

2400



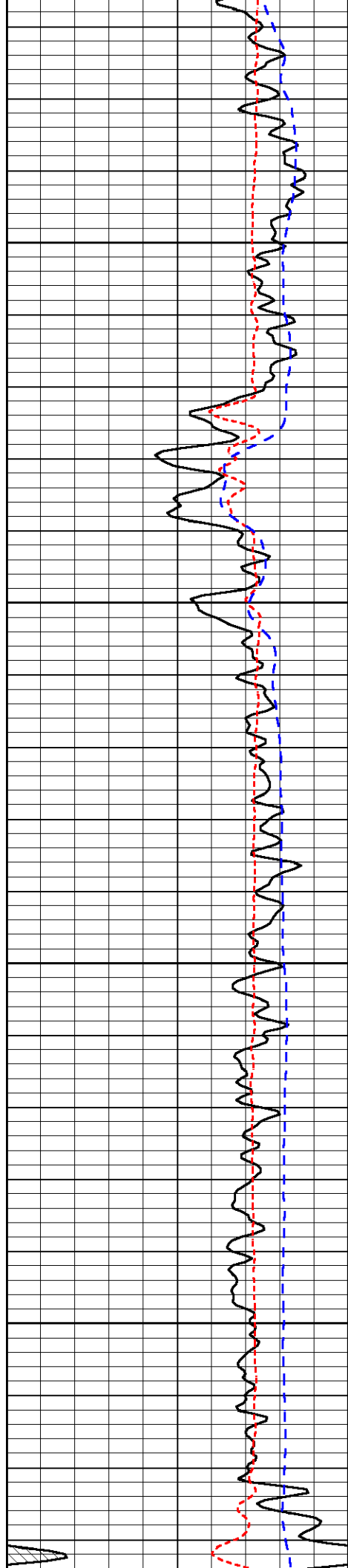
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-29

-29

-29

-29



2450

2500

2550

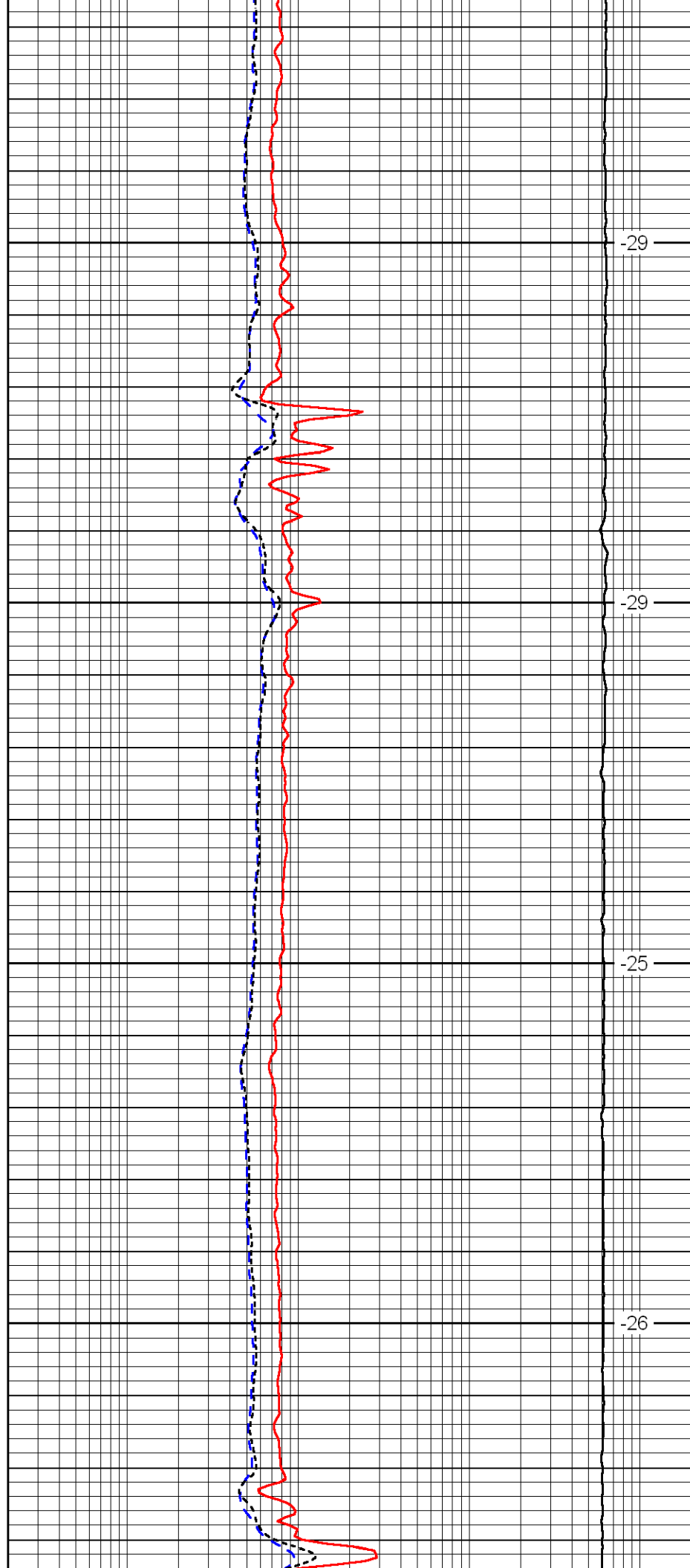
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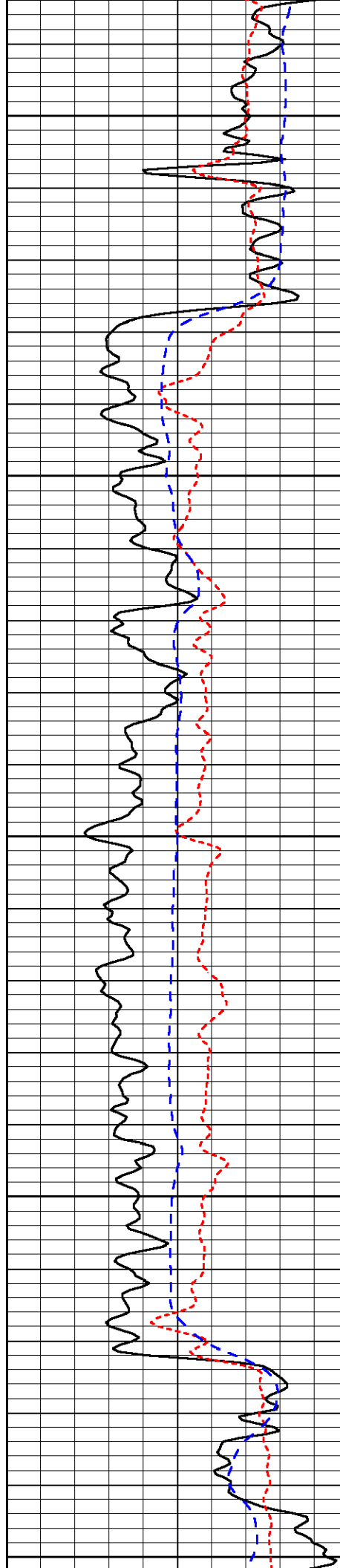
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-29

-25

-26





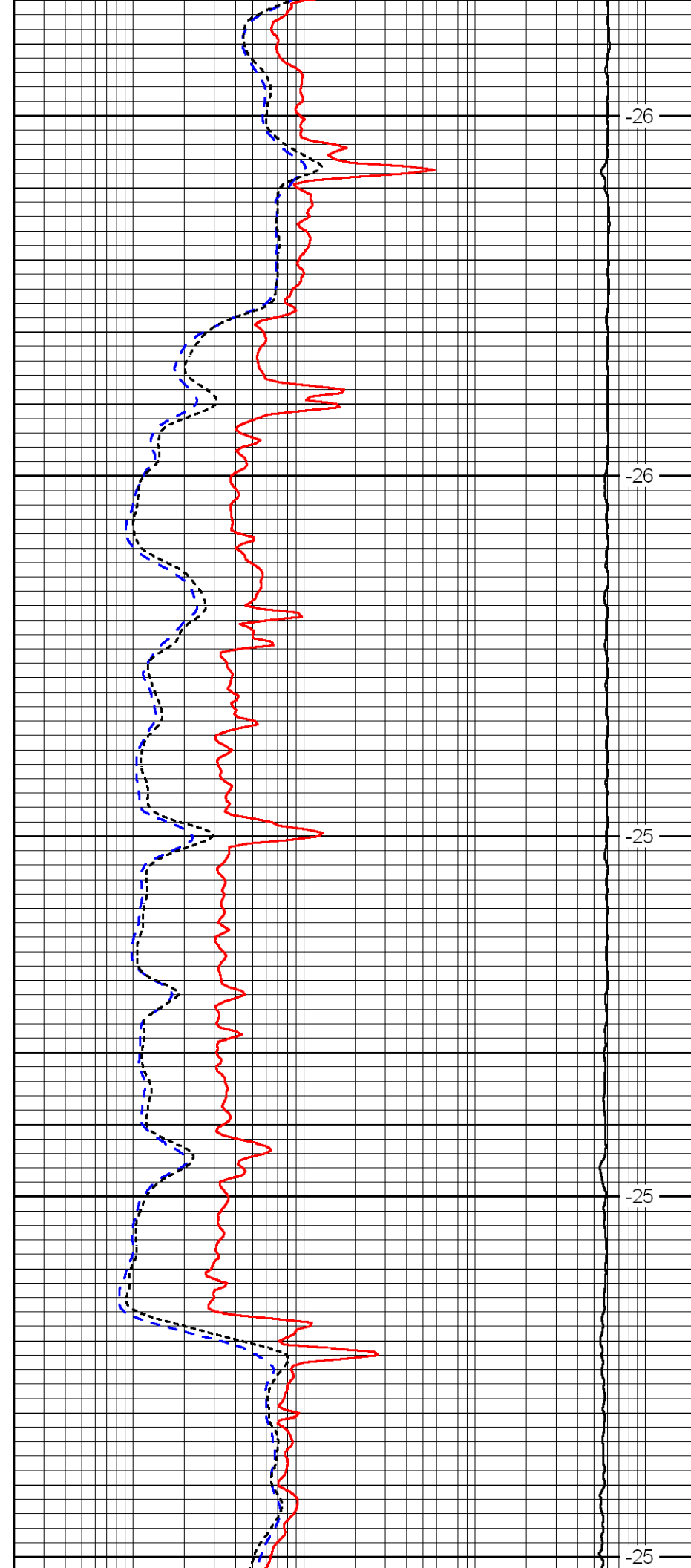
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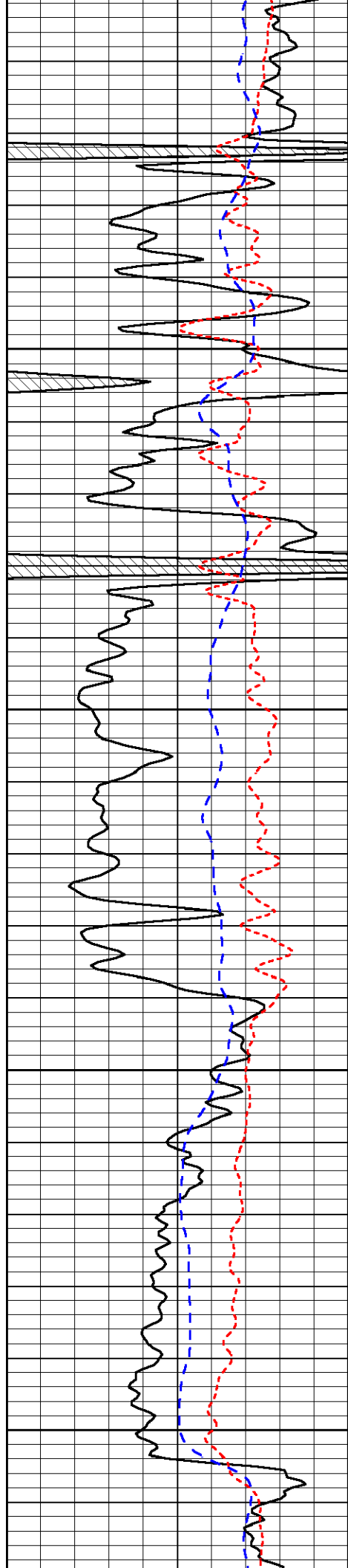
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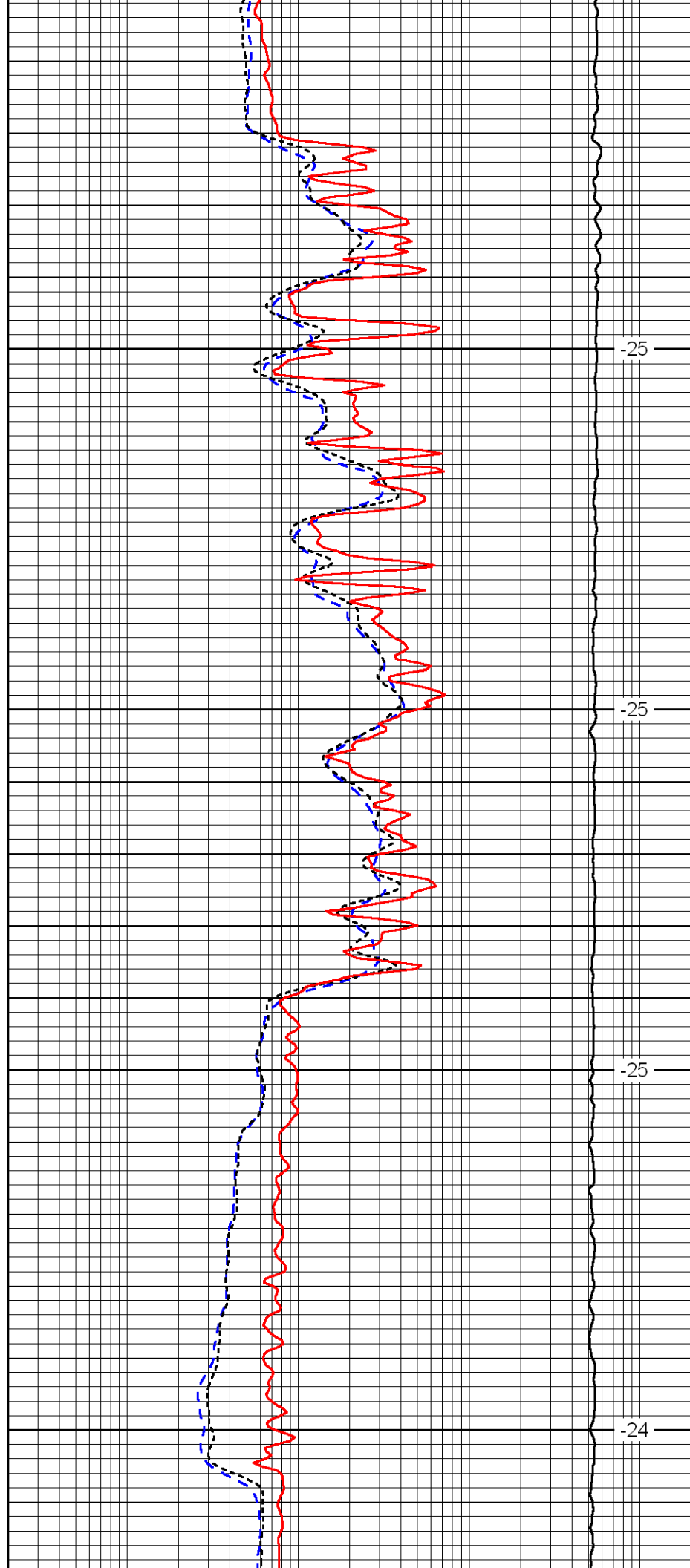


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2950

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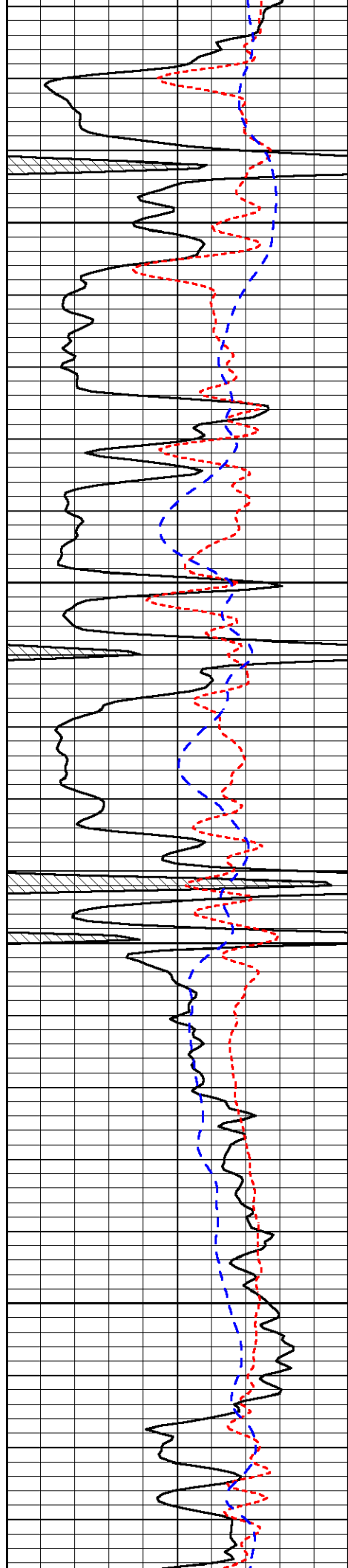


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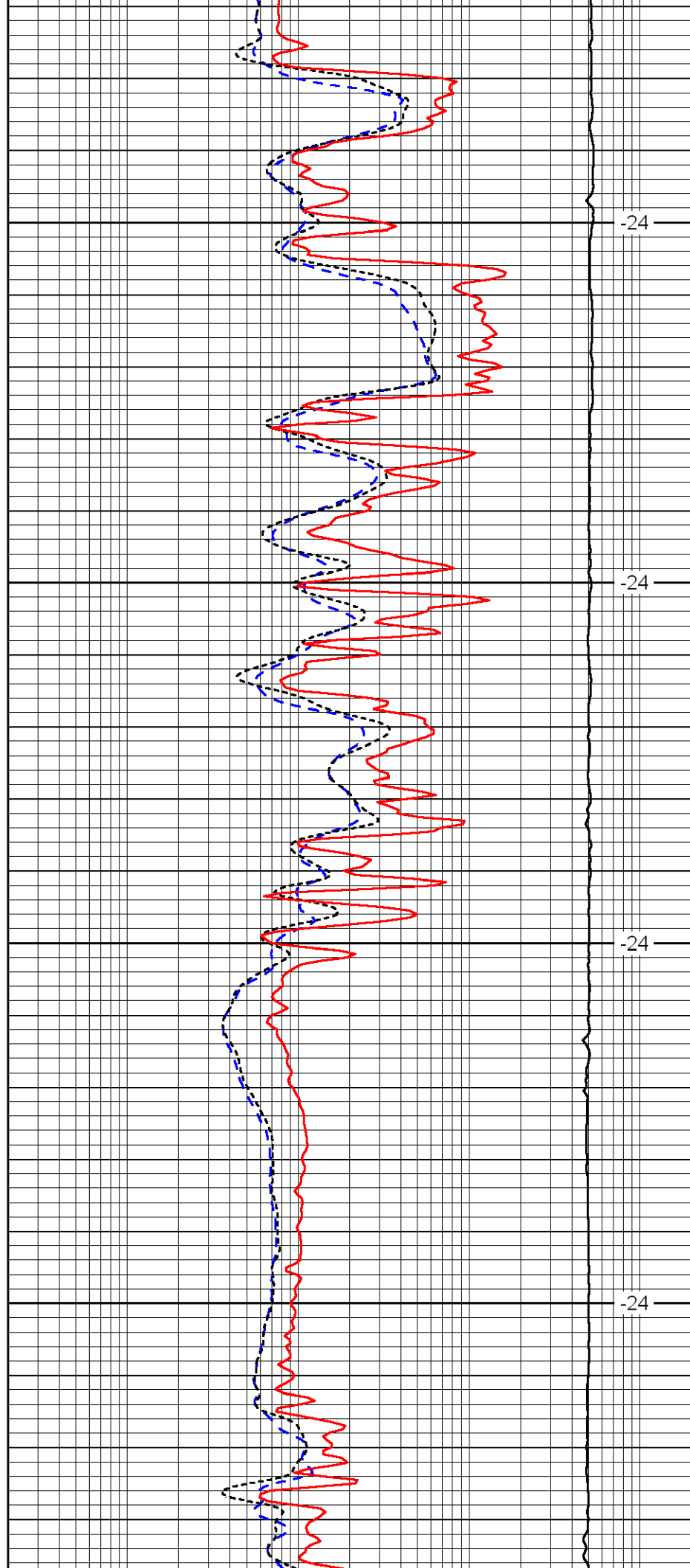


3100

3150

3200

3250

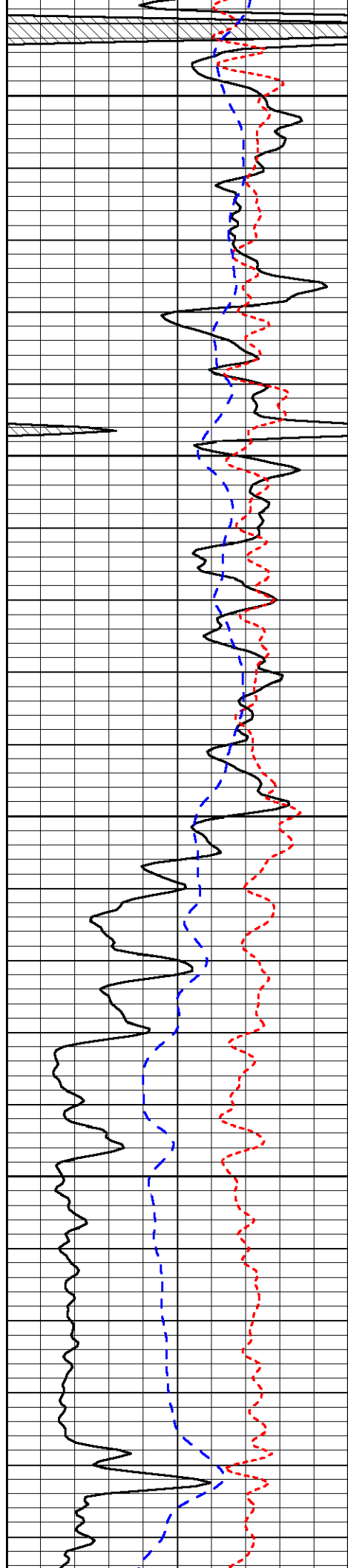


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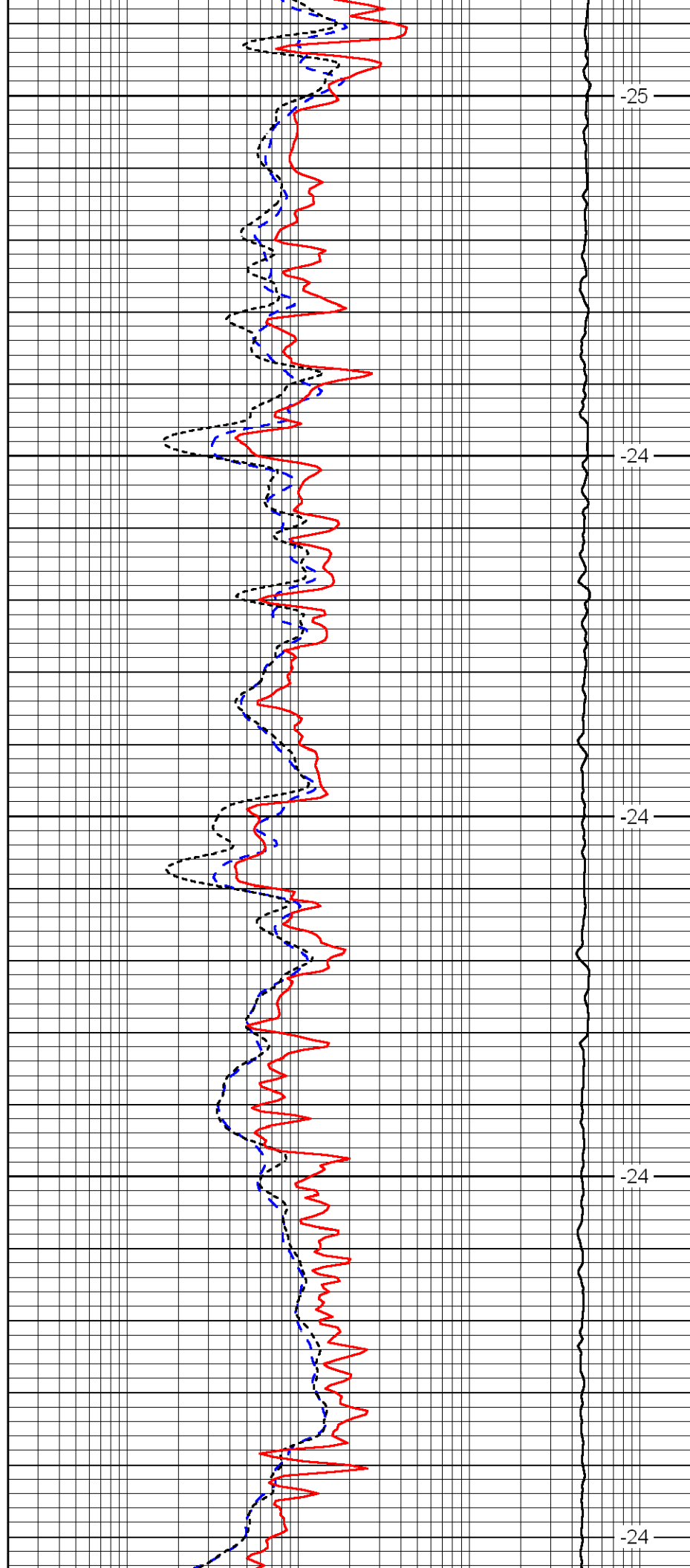
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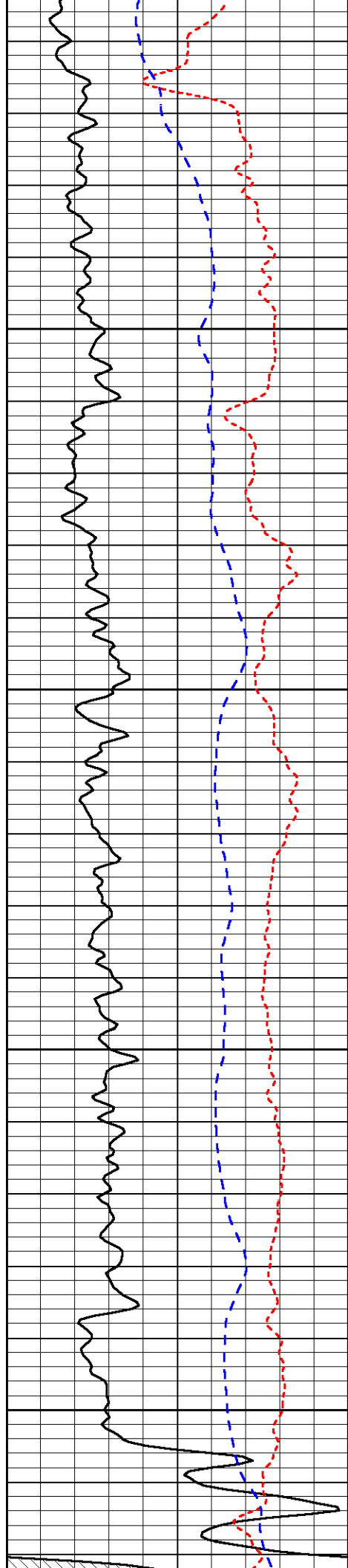
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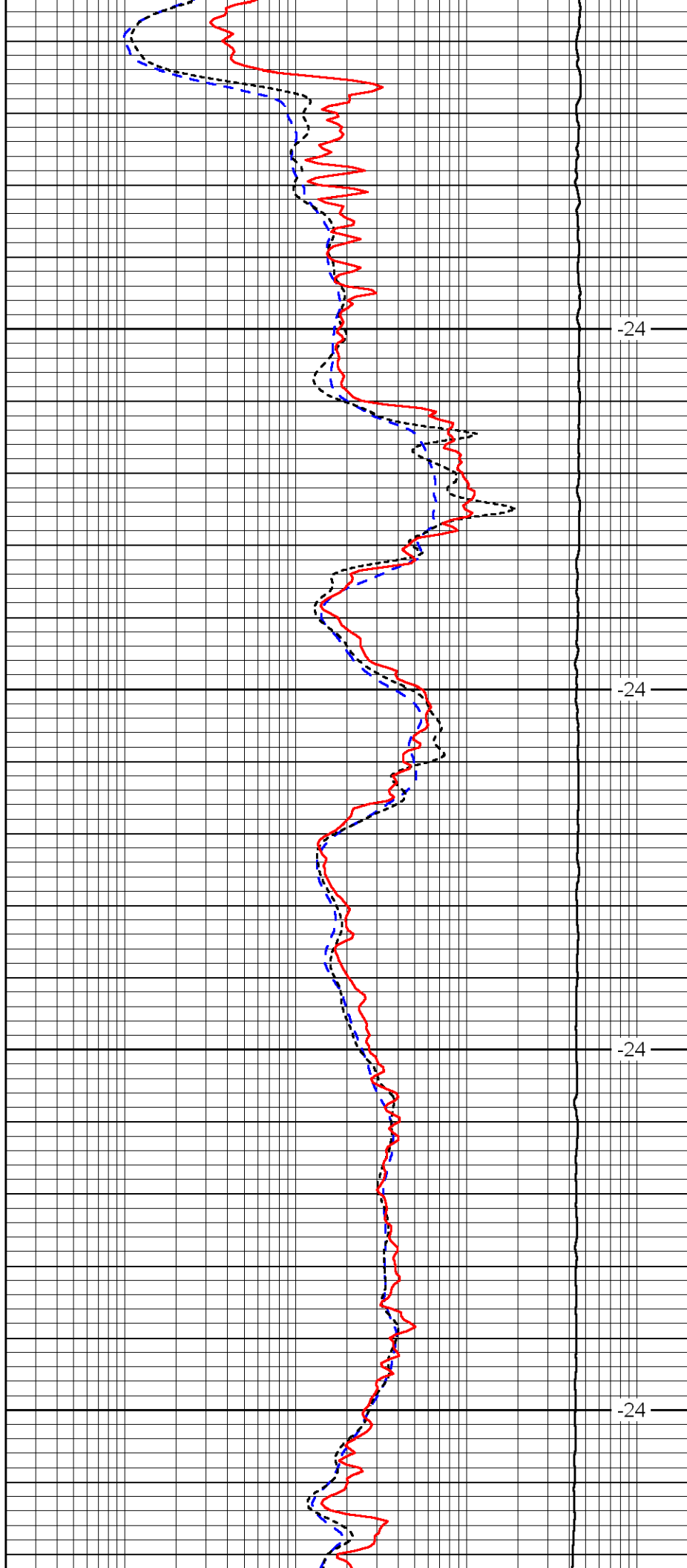


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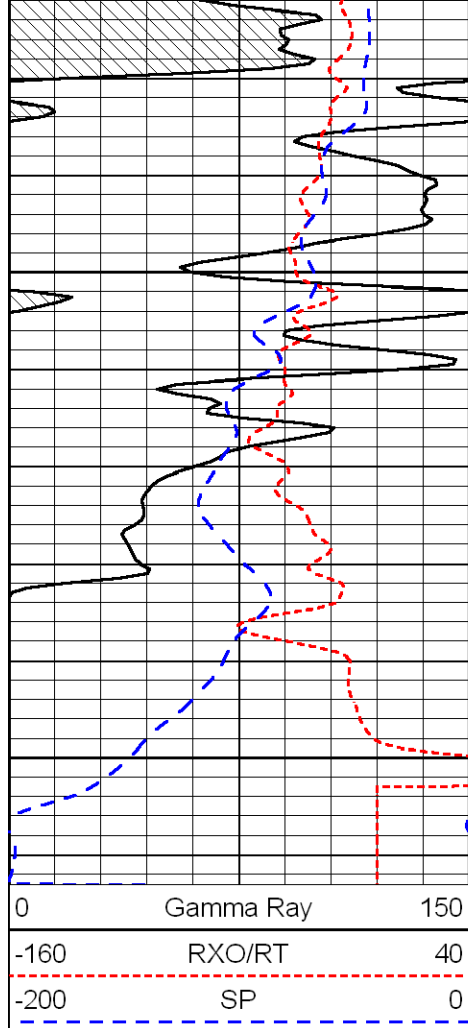


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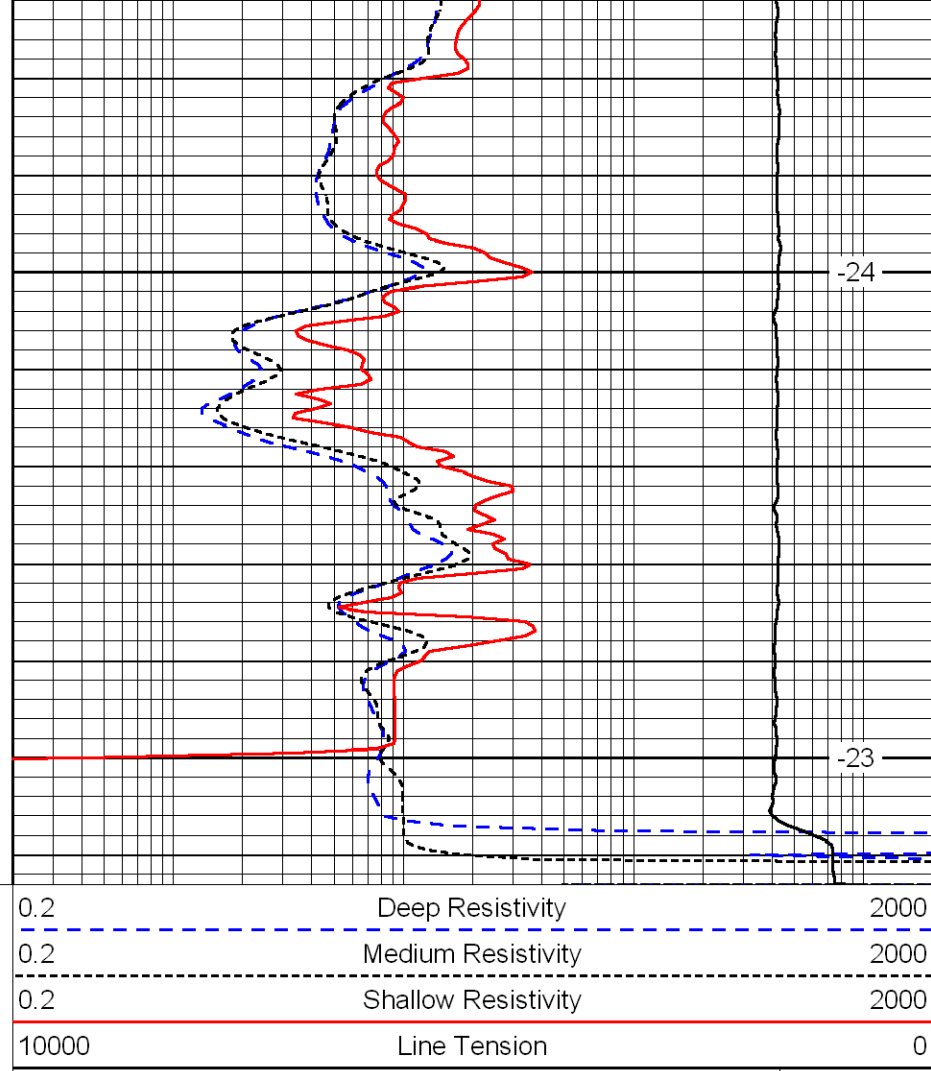
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3750

3800



-24

-23

LSPD