



Dual Induction Log

Pioneer Energy Services

API No.

15-135-25439-00-00

Company H&C Oil Operating, Inc.

Well Dinges #19-1

Field Wildcat

County

Ness

State

Kansas

Location 1550' FSL & 800' FWL

Sec: 19

Twp: 17S

Rge: 26W

Elevation

Permanent Datum

Ground Level

Elevation 2527

Log Measured From

Kelly Bushing

8 Ft. Above Perm. Datum

K.B. 2535
D.F. 2527
G.L. 2527

Drilling Measured From

Kelly Bushing

8 Ft. Above Perm. Datum

K.B. 2535
D.F. 2527
G.L. 2527

Date

8/5/2012

Run Number

One

Depth Driller

4544

Depth Logger

4545

Bottom Logged Interval

4544

Top Log Interval

200

Casing Driller

8.625 @ 211

Casing Logger

209

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

6000

Density / Viscosity

9.2 60

pH / Fluid Loss

9.5 8.0

Source of Sample

Flowline

Rm @ Meas. Temp

0.65 @ 75

Rmf @ Meas. Temp

0.49 @ 75

Rmc @ Meas. Temp

0.88 @ 75

Source of Rmf / Rmc

Charts

Rm @ BHT

0.39 @ 123

Operating Rig Time

5 Hours

Max Rec. Temp. F

123

Equipment Number

91

Location

Hays

Recorded By

D. Schmidt

Witnessed By

Marc Downing

<<< 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

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(785) 625-3858

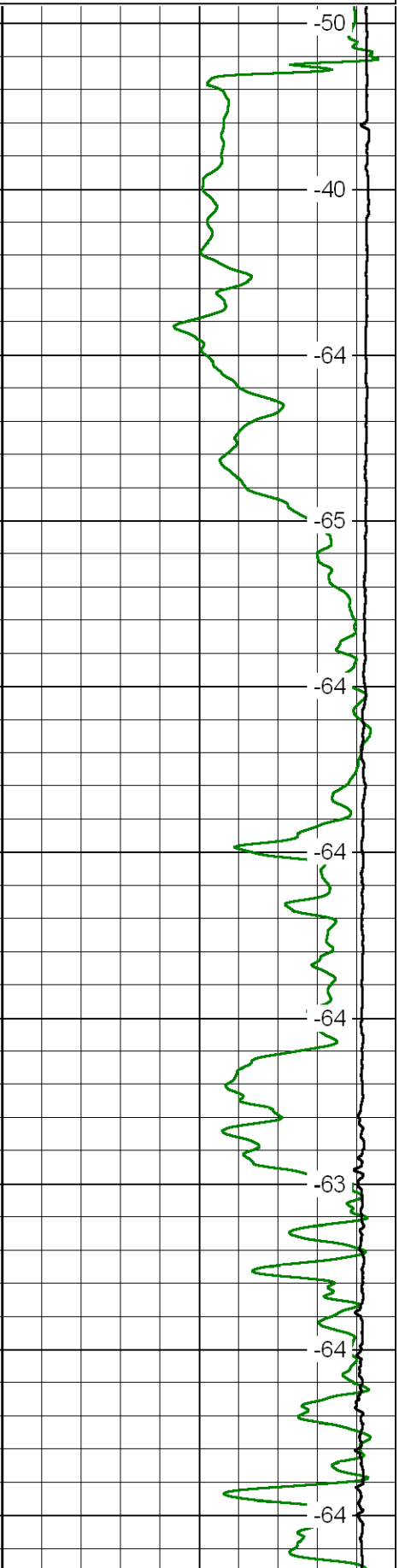
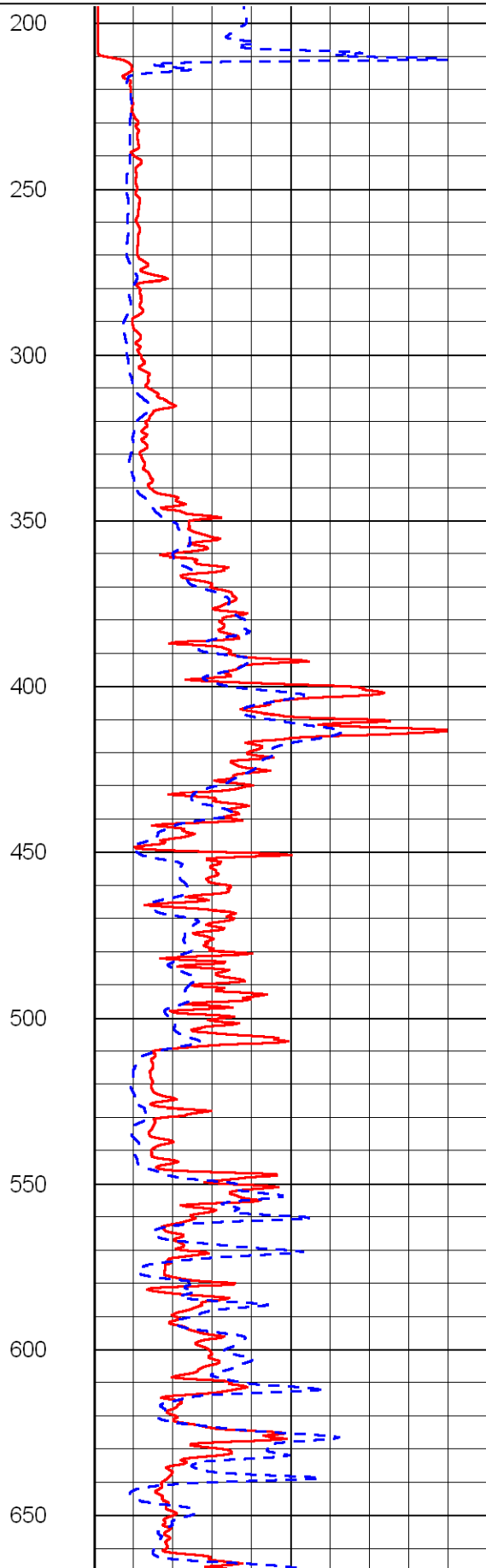
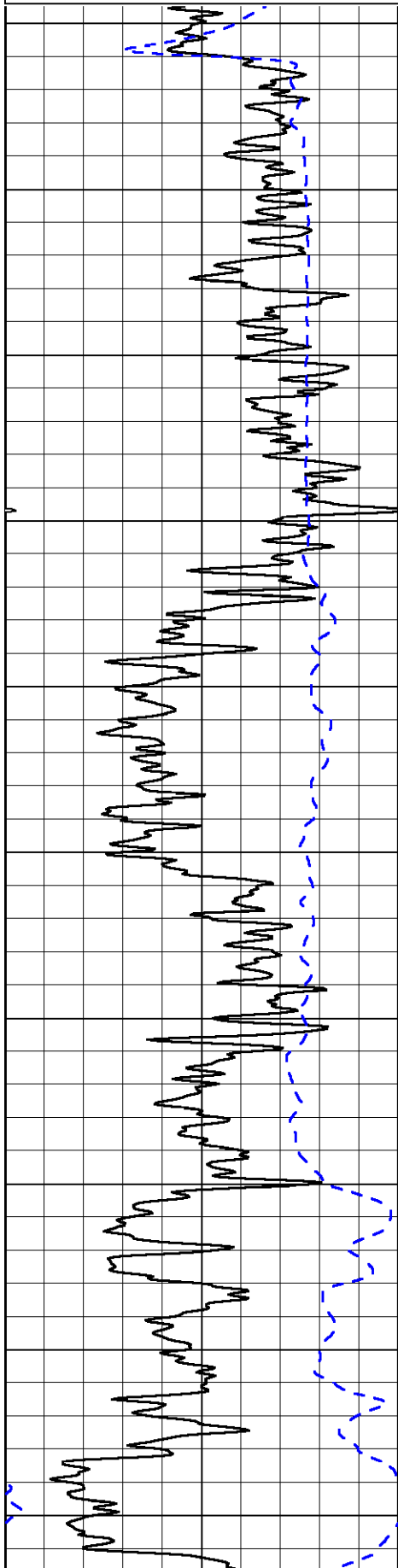
Utica,
2 West to B Rd, 4 South to 220 Rd, 1 West to A Rd, 1 3/4 South,
West into thru gate about 1 mile to location

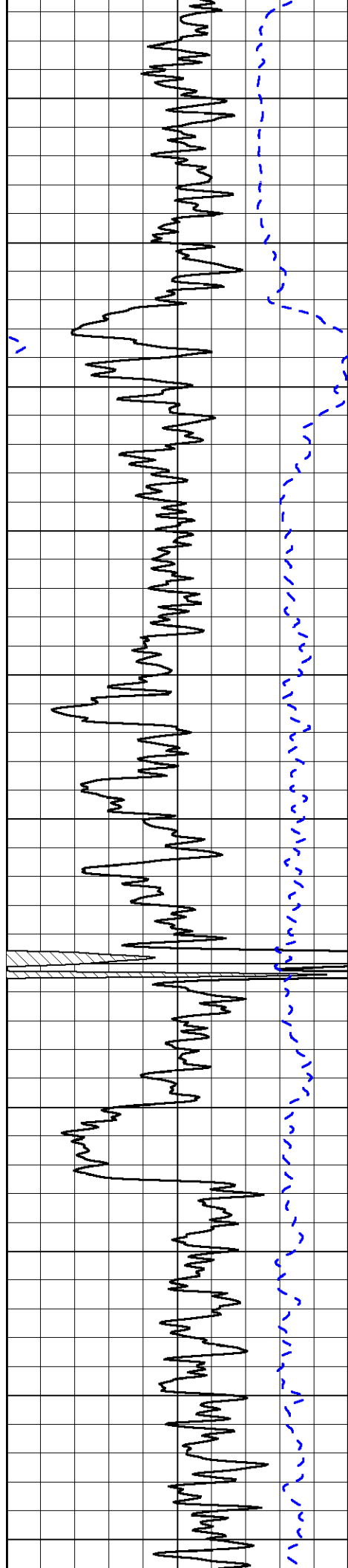
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Dataset Pathname: dil/hcstack
Presentation Format: dil2in
Dataset Creation: Sun Aug 05 06:51:58 2012
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
-200	SP	0

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

LSPD	0
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700

750

800

850

900

950

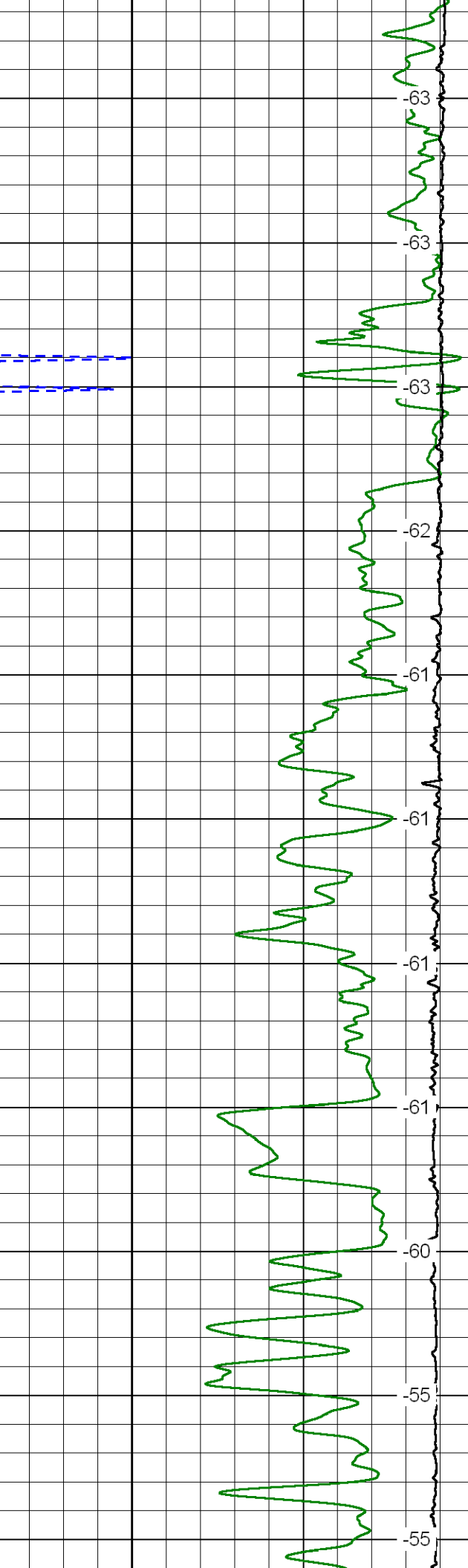
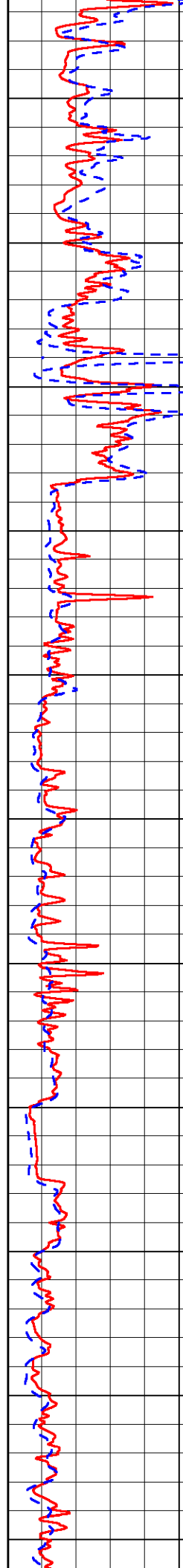
1000

1050

1100

1150

1200



-63

-63

-63

-62

-61

-61

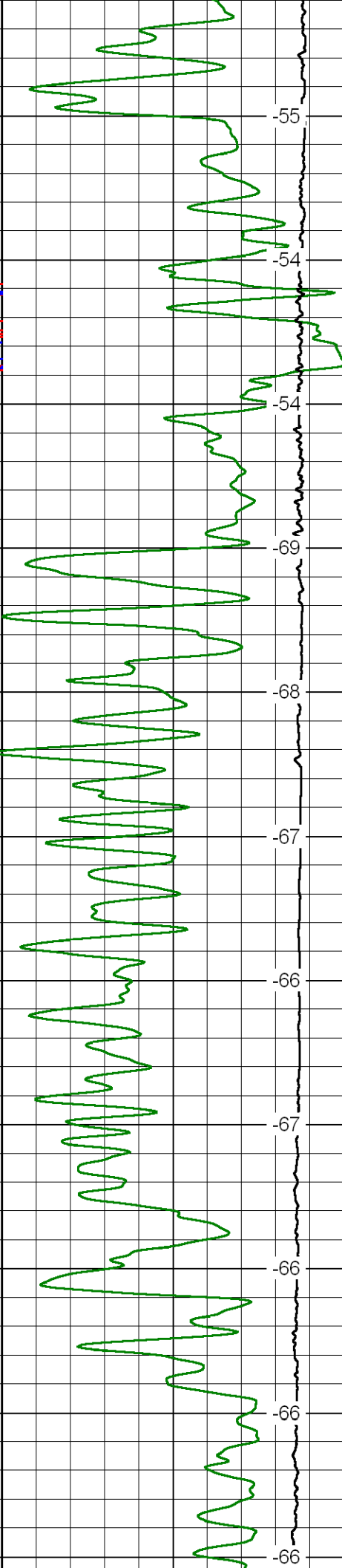
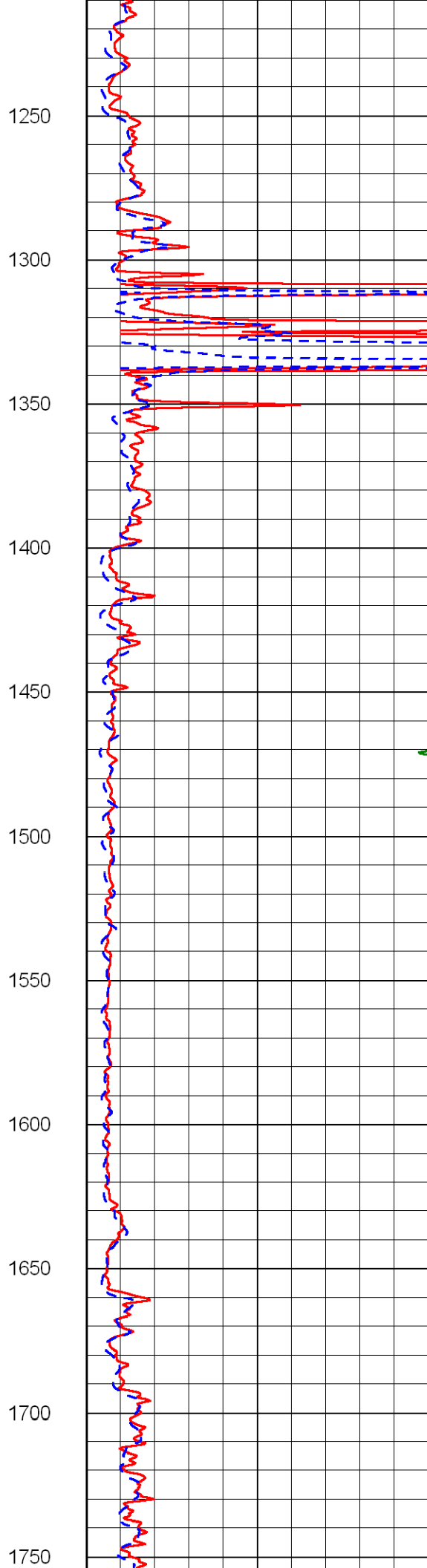
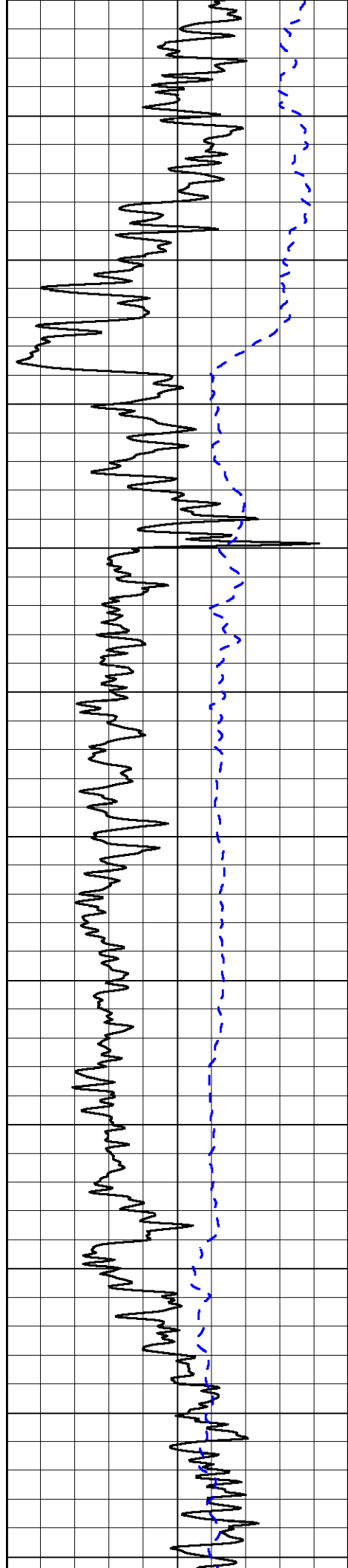
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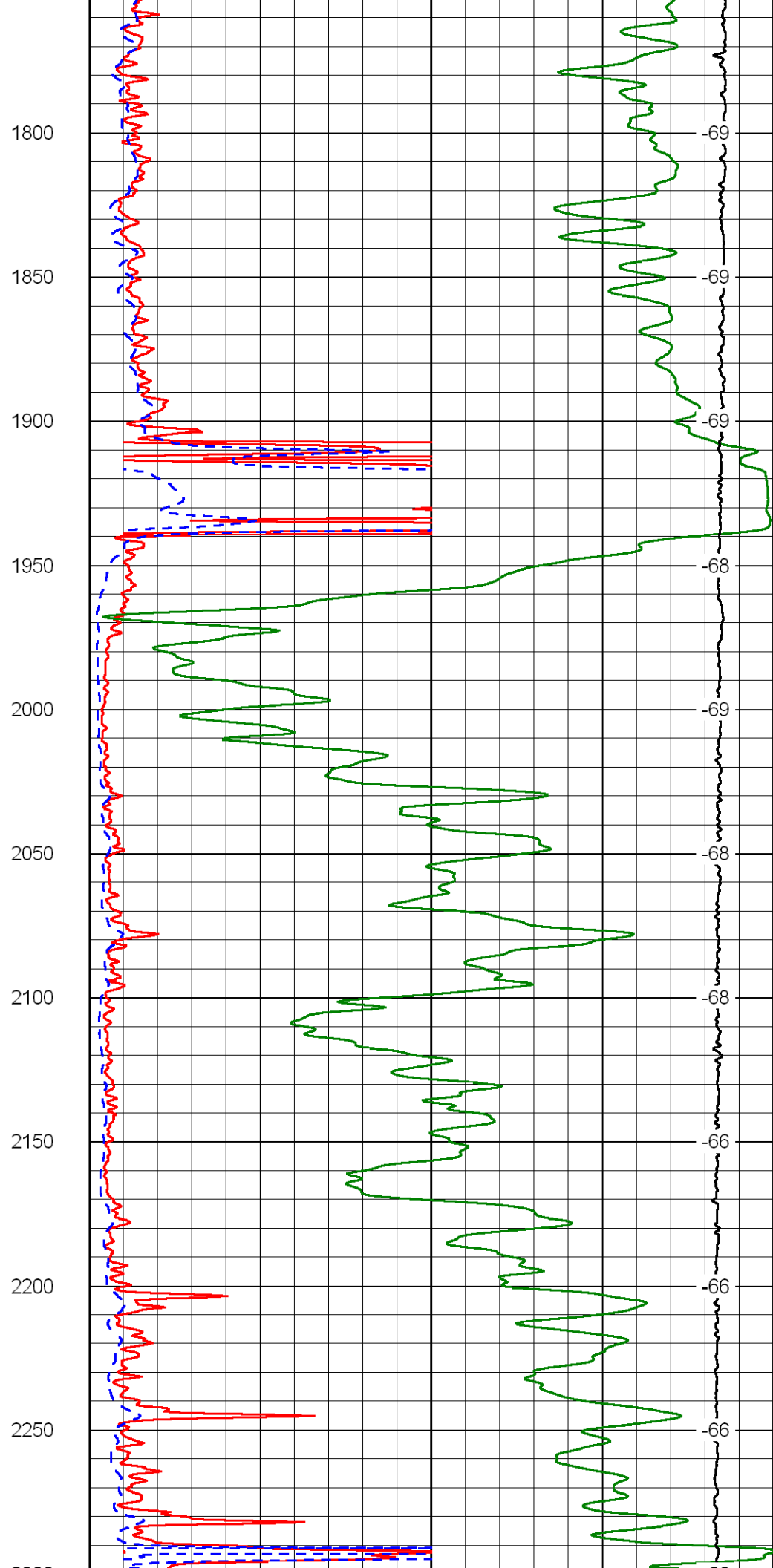
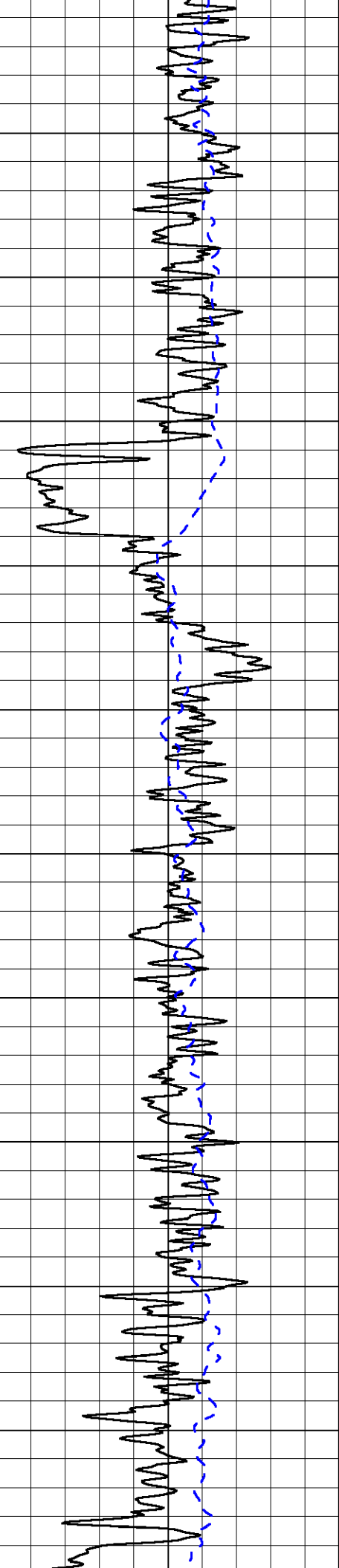
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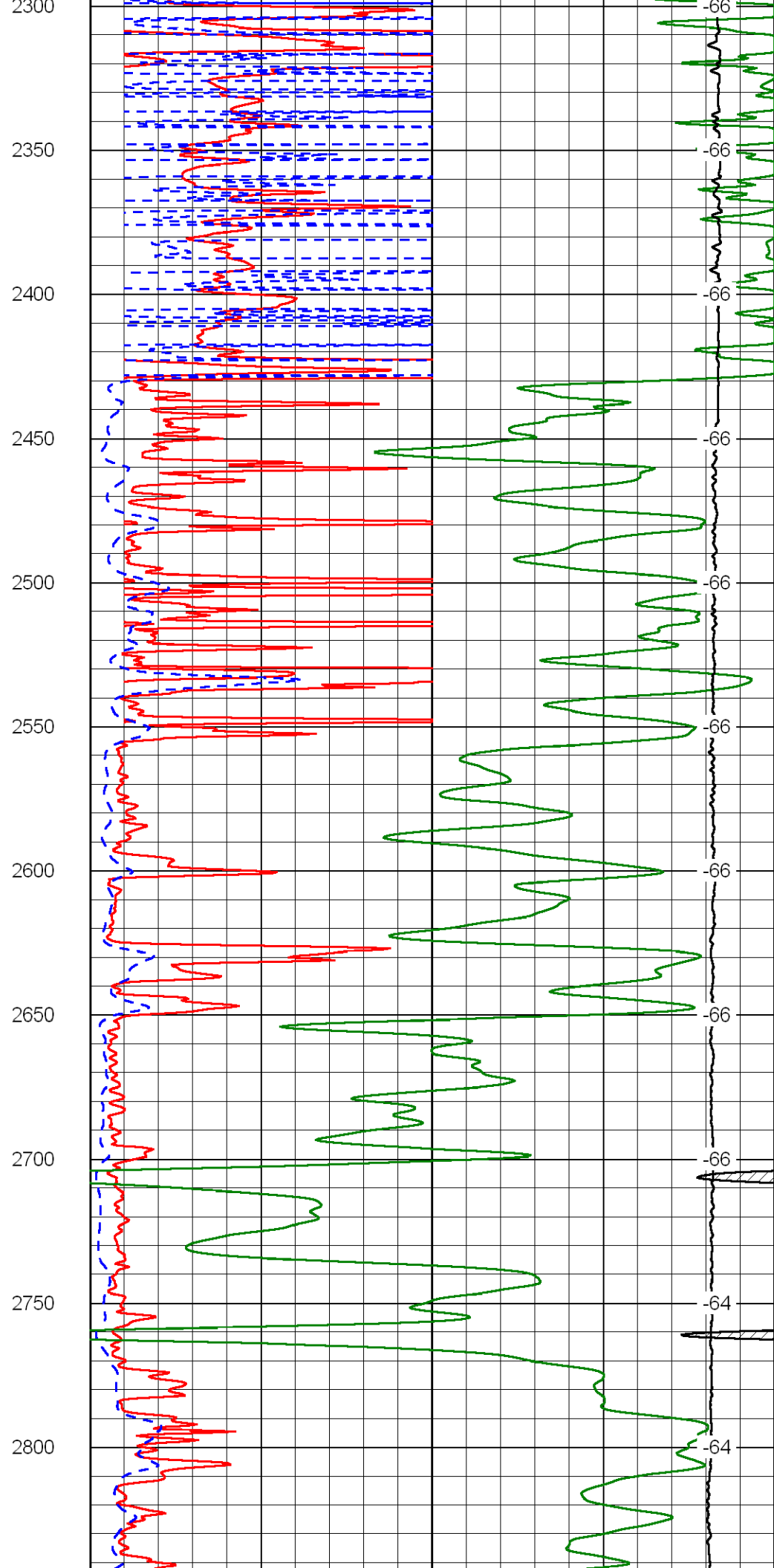
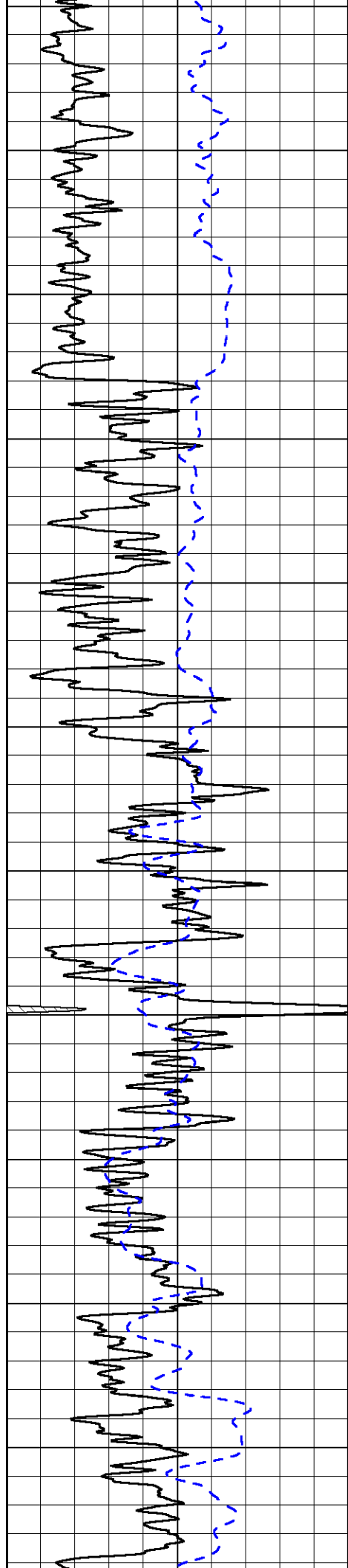
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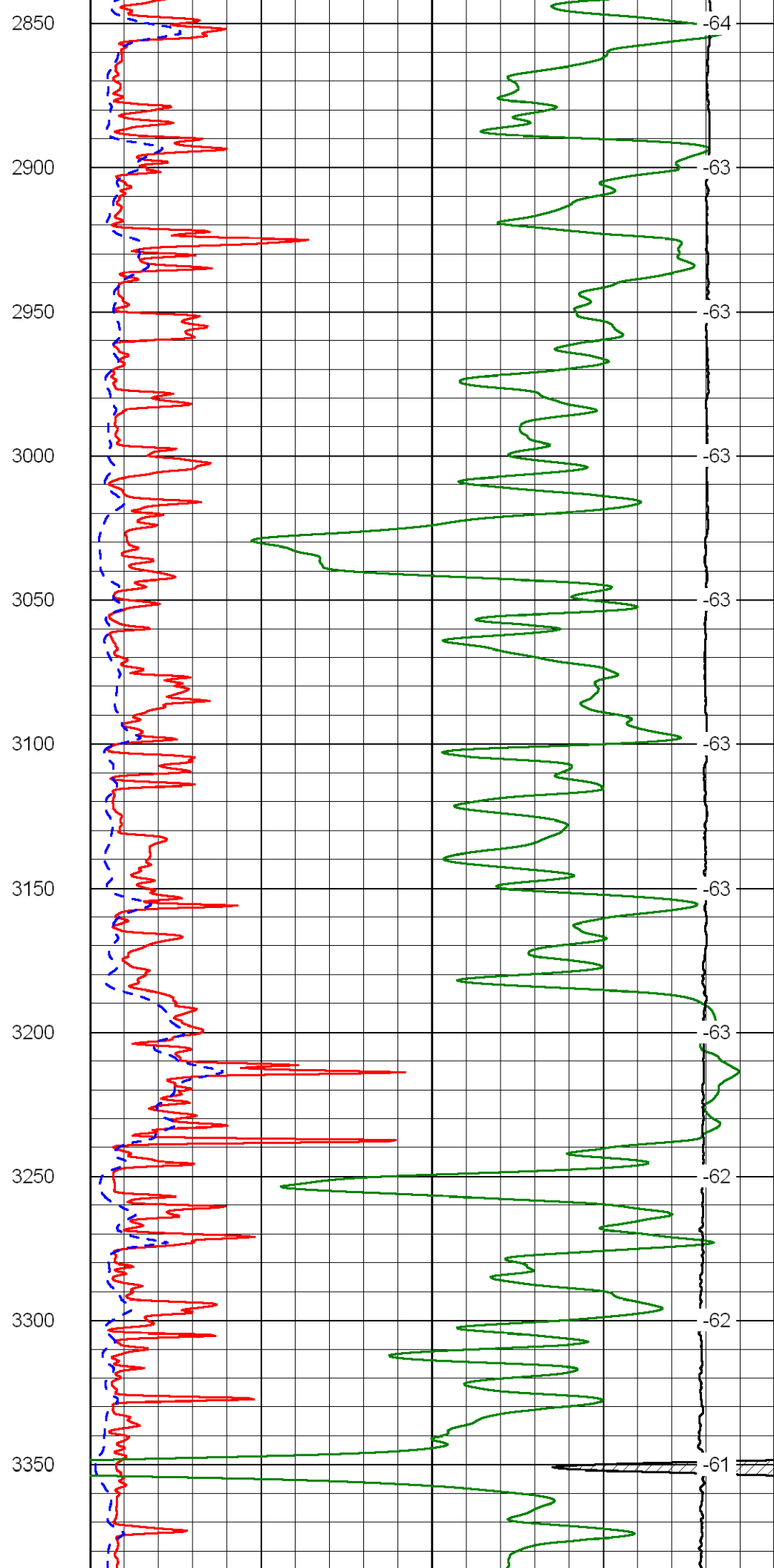
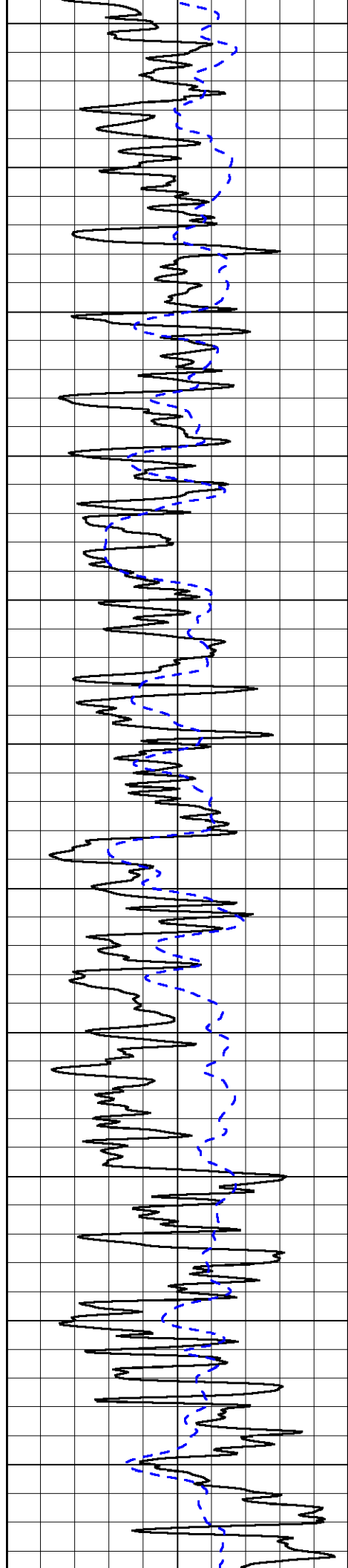
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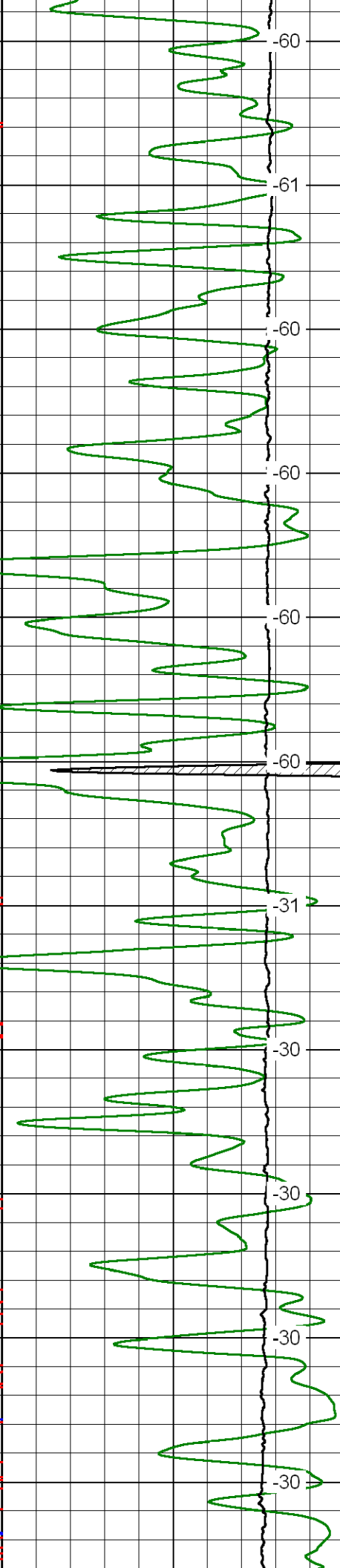
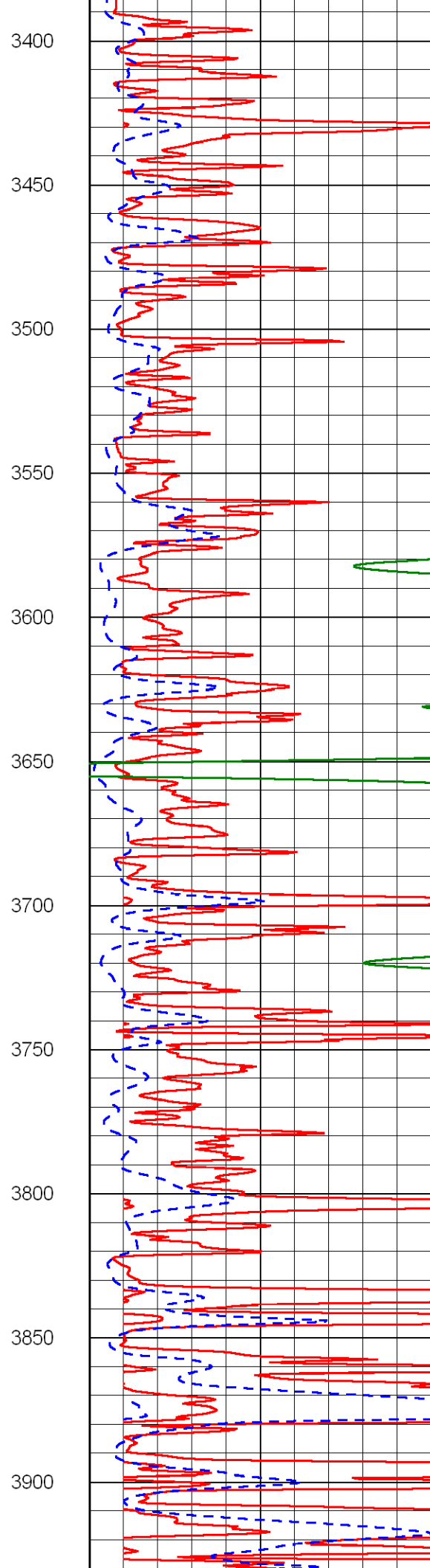
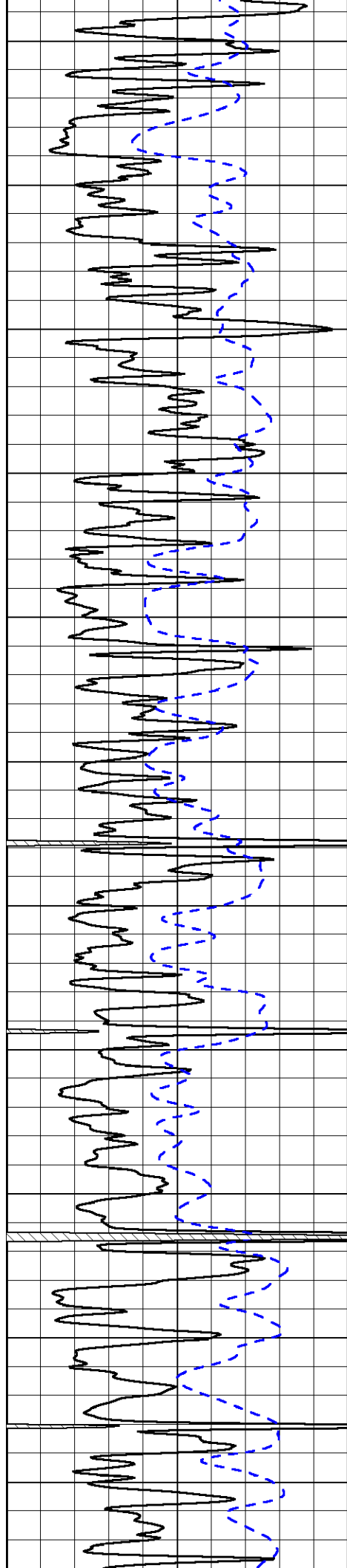
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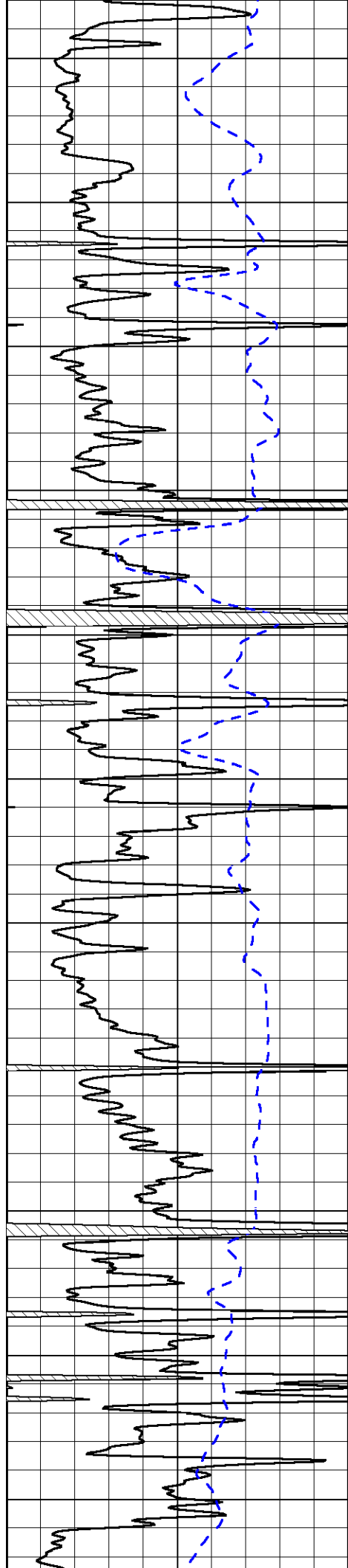












3950

4000

4050

4100

4150

4200

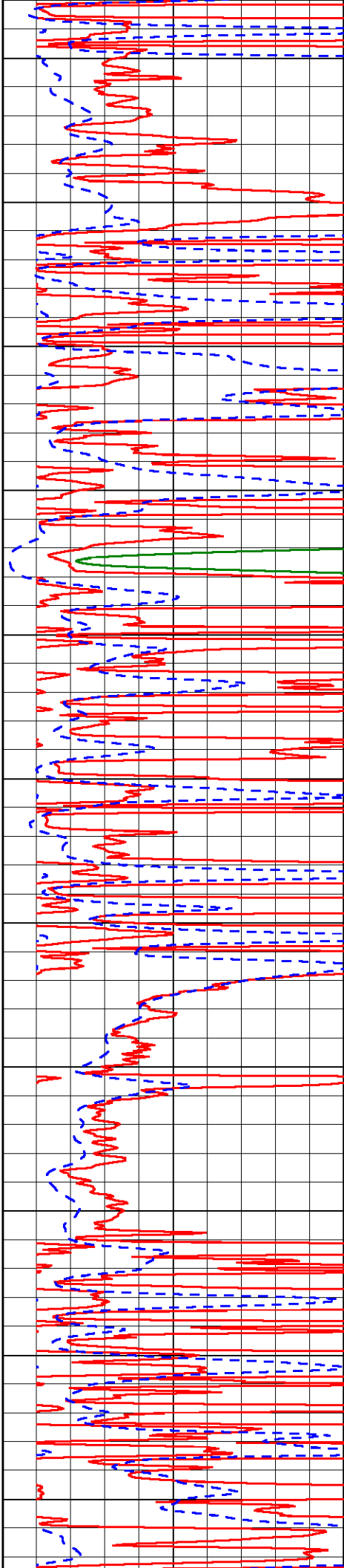
4250

4300

4350

4400

4450



-29

-29

-29

-29

-29

-29

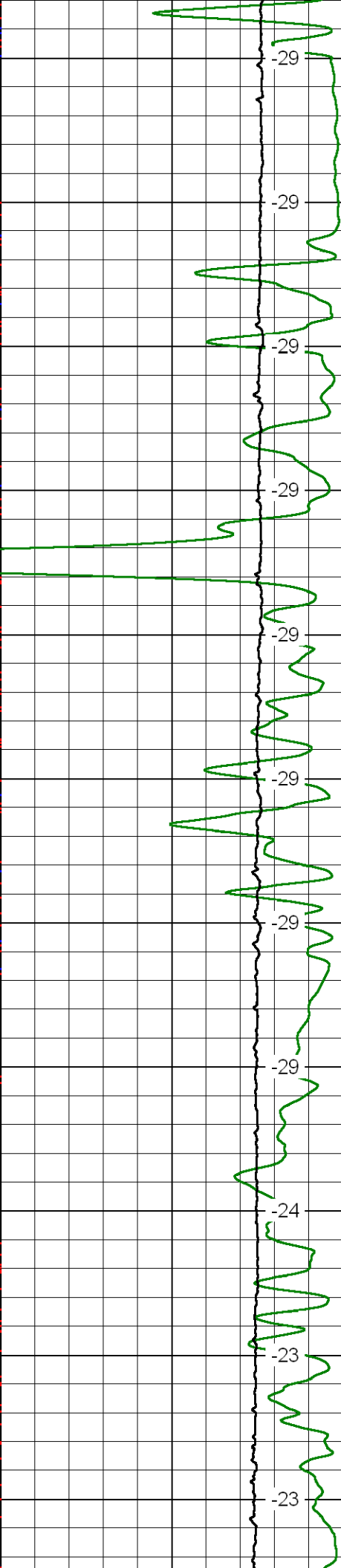
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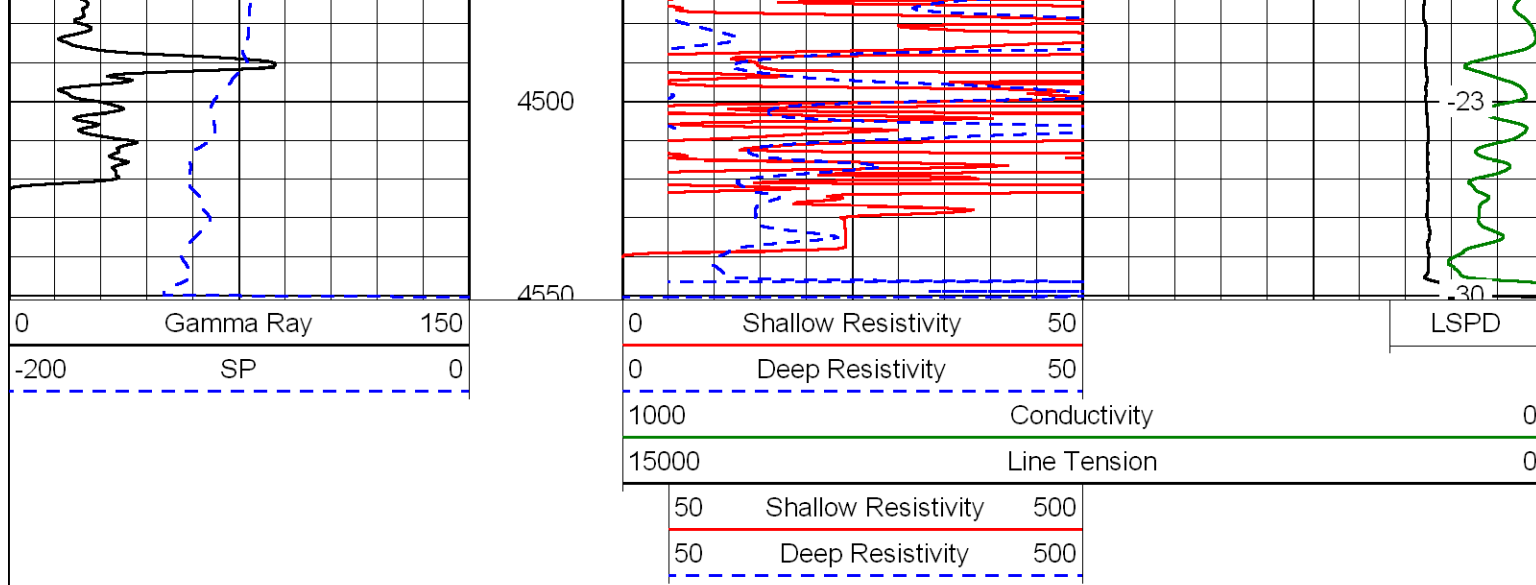
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-24

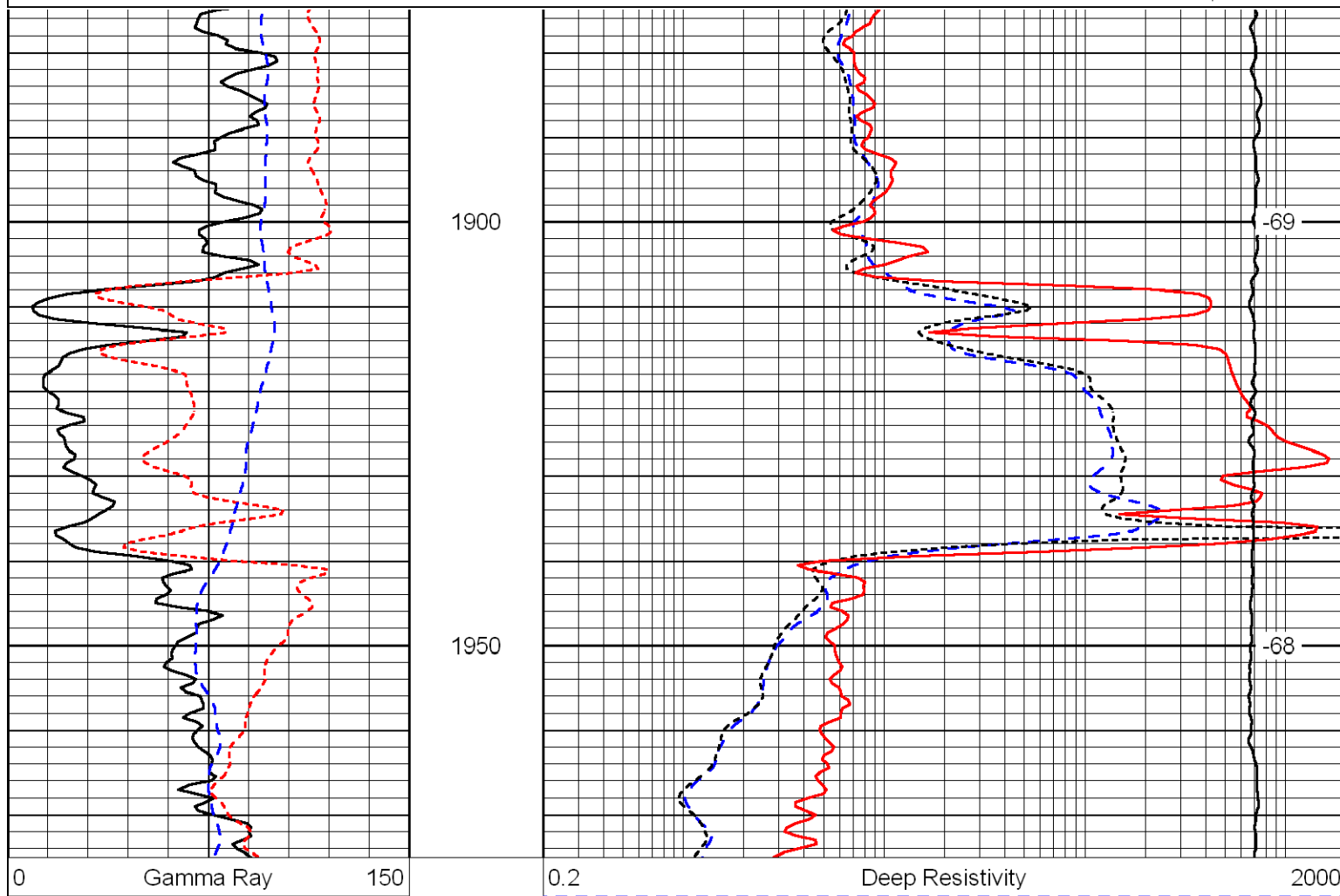
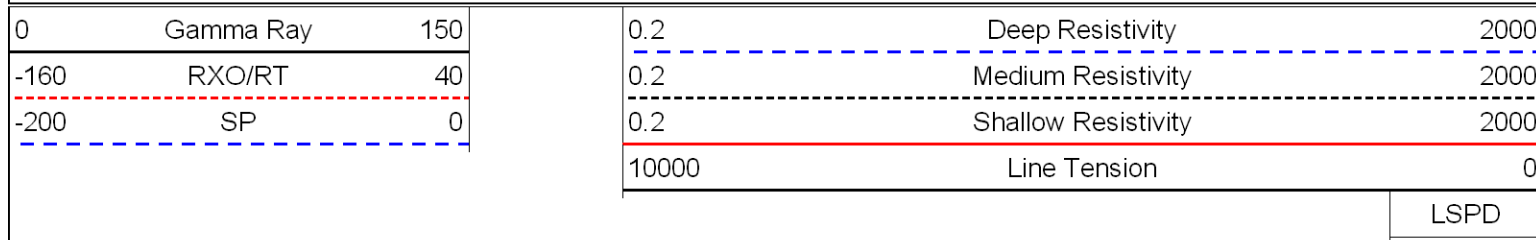
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-23





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 Presentation Format: dil
 Dataset Creation: Sun Aug 05 06:51:58 2012
 Charted by: Depth in Feet scaled 1:240



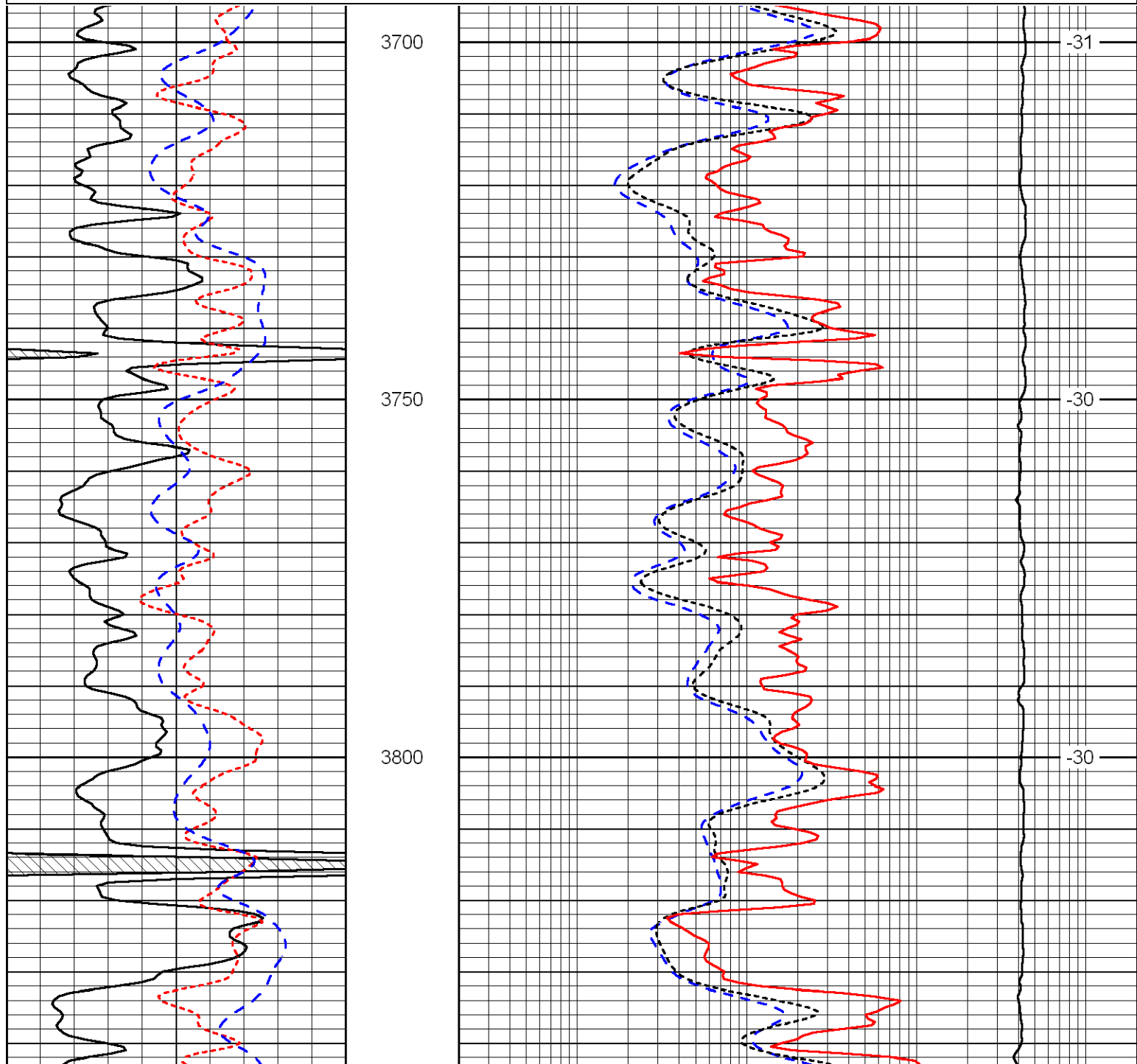
-160	RXO/RT	40
-200	SP	0

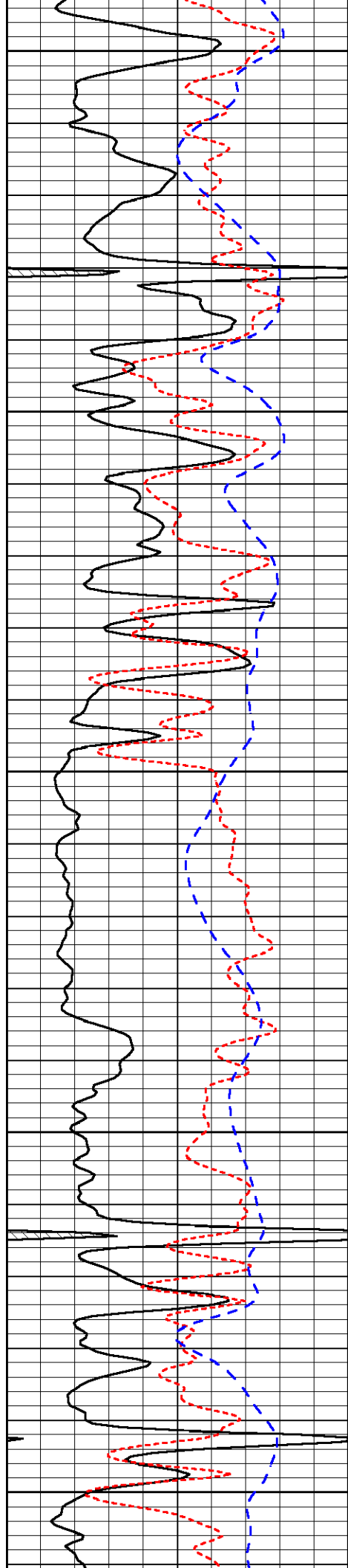
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0.2	Shallow Resistivity	2000
10000	Line Tension	0
		LSPD

Database File:
h&c_080512hd.db
Dataset Pathname:
dil/hcstack
Presentation Format:
dil
Dataset Creation:
Sun Aug 05 06:51:58 2012
Charted by:
Depth in Feet scaled 1:240

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0
		LSPD





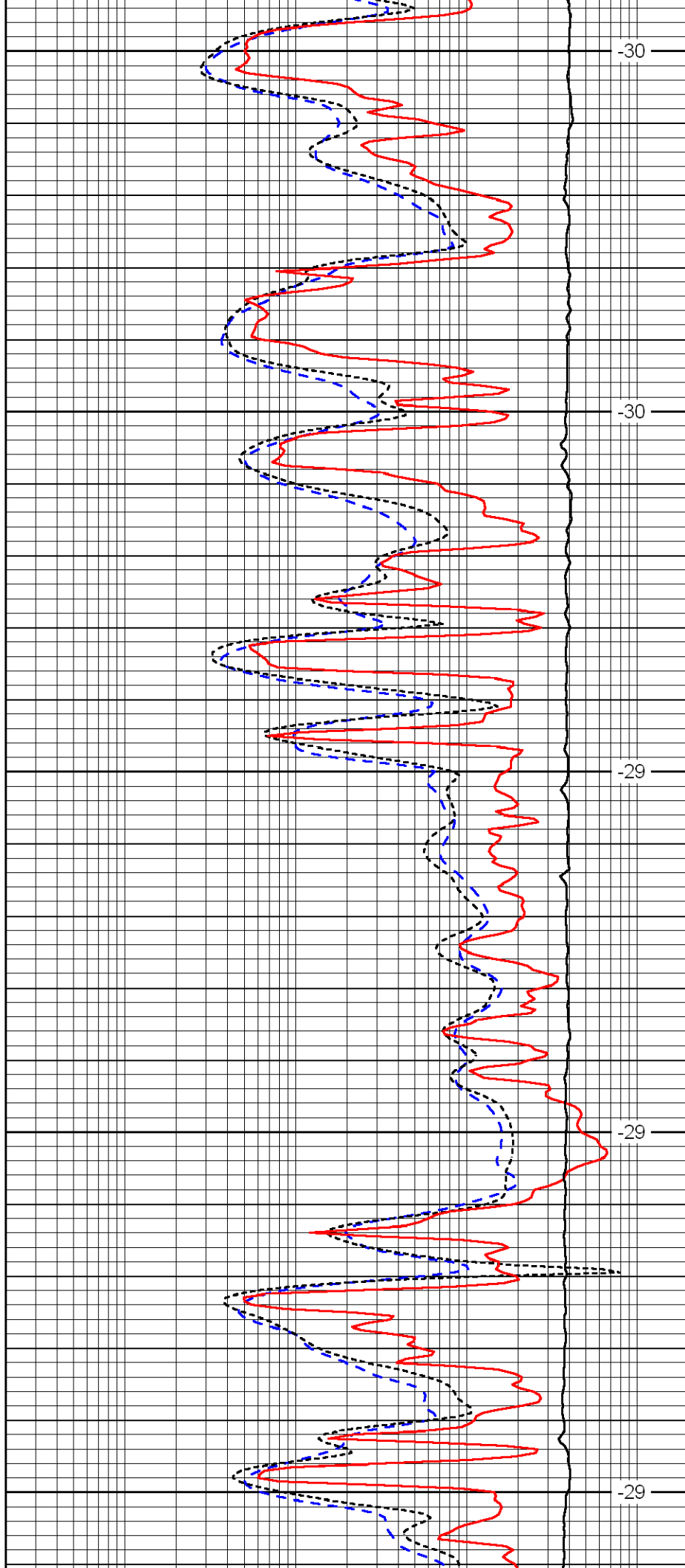
3850

3900

3950

4000

4050



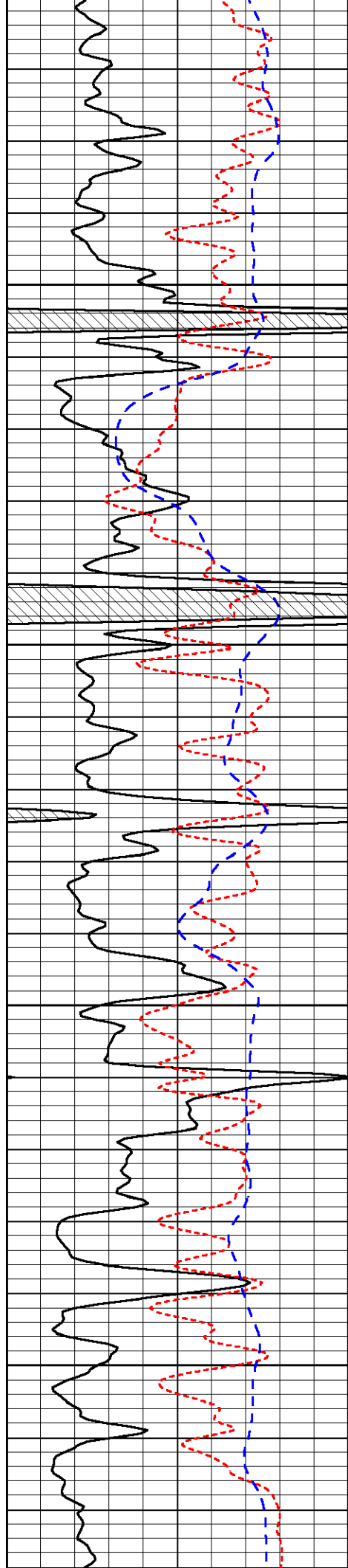
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-30

-29

-29

-29

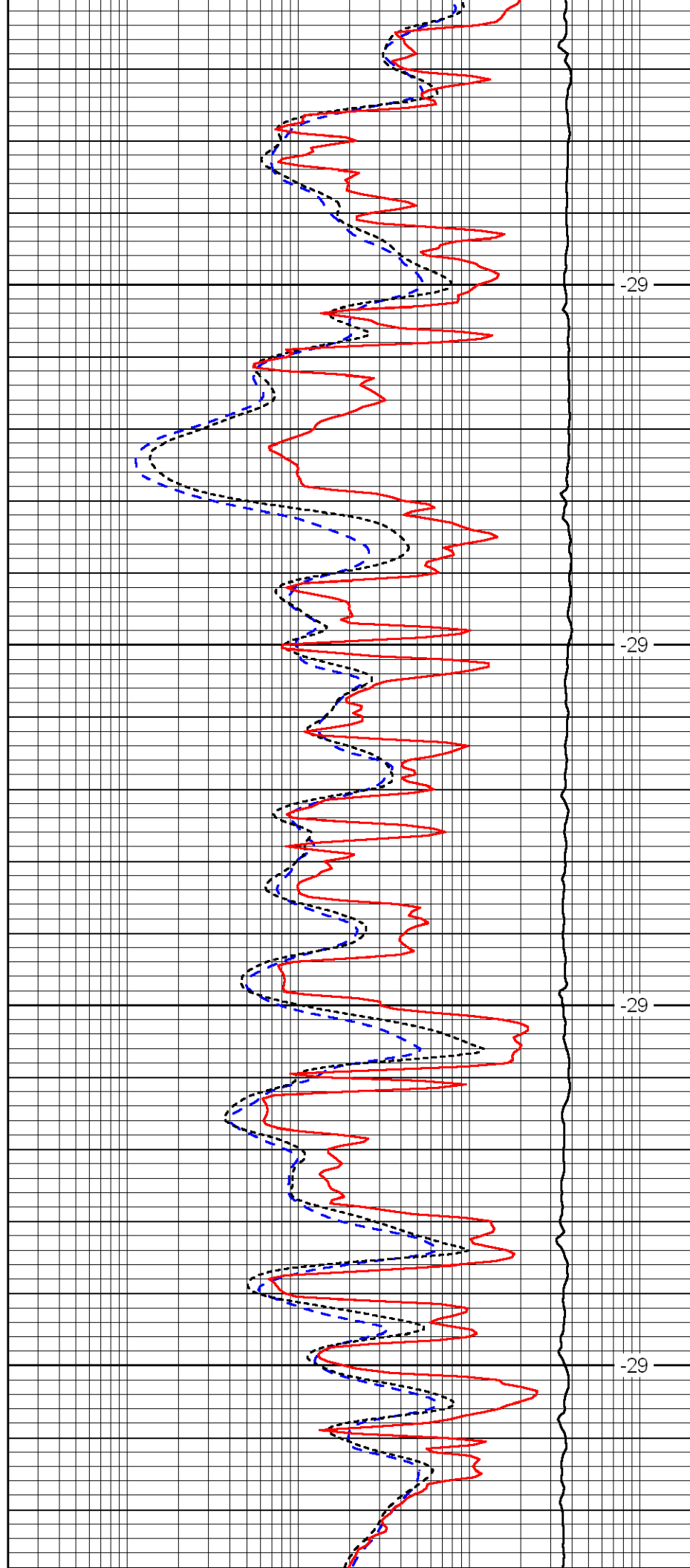


4100

4150

4200

4250

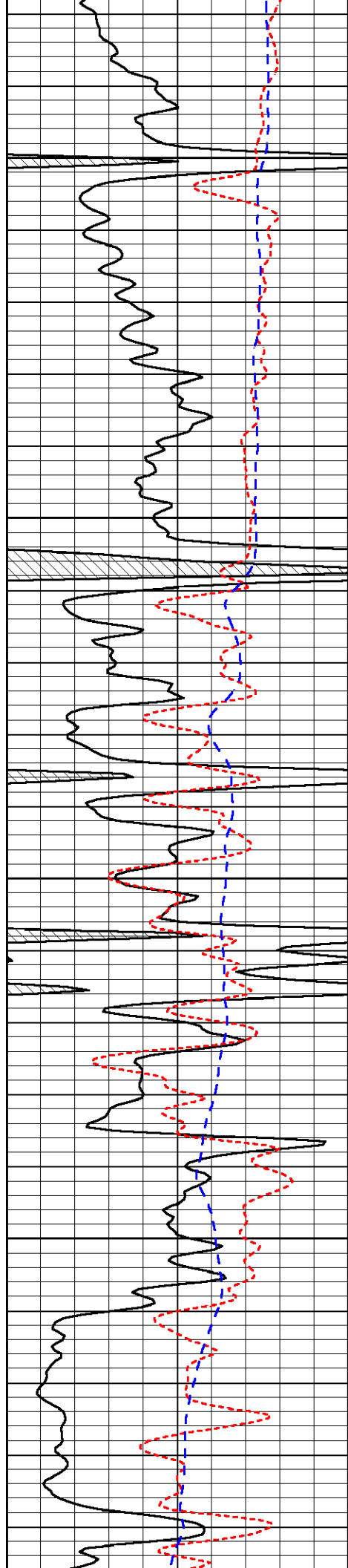


-29

-29

-29

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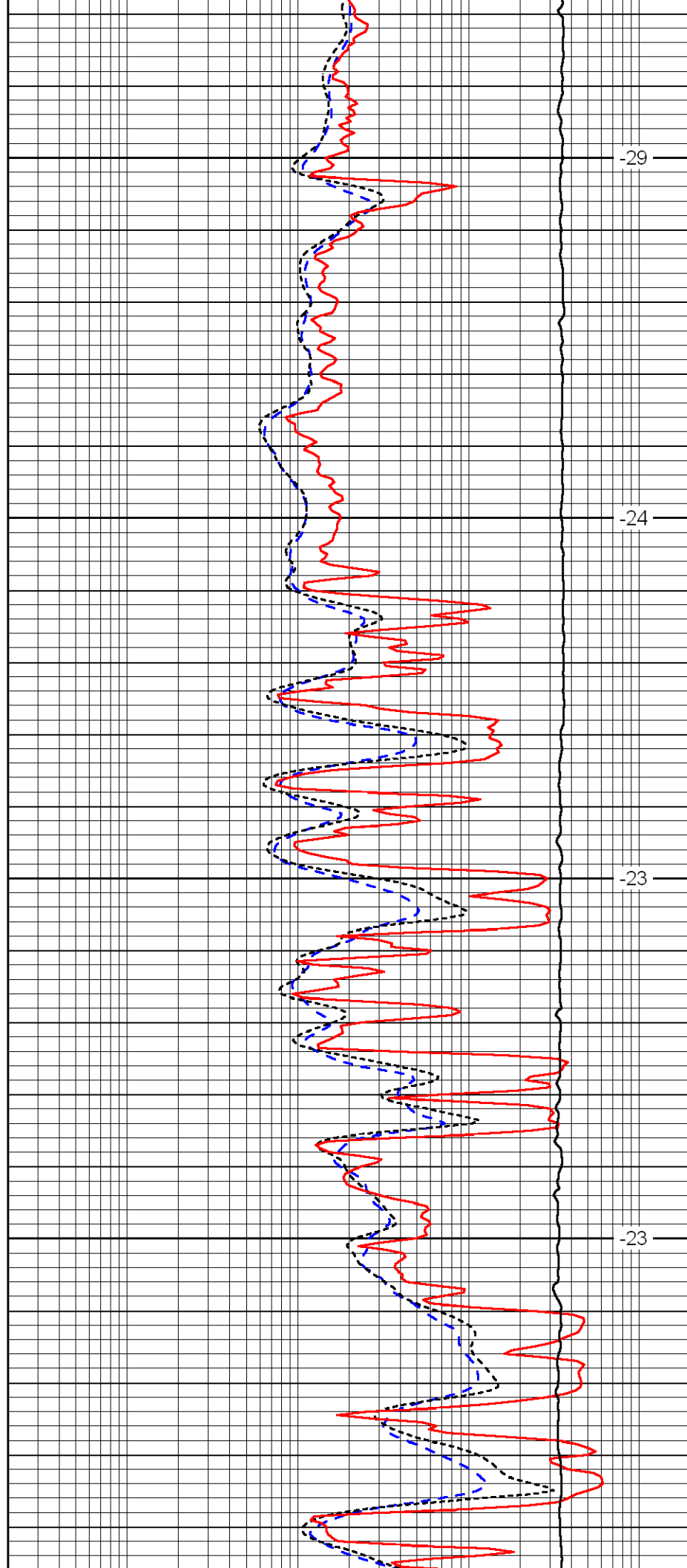


4300

4350

4400

4450

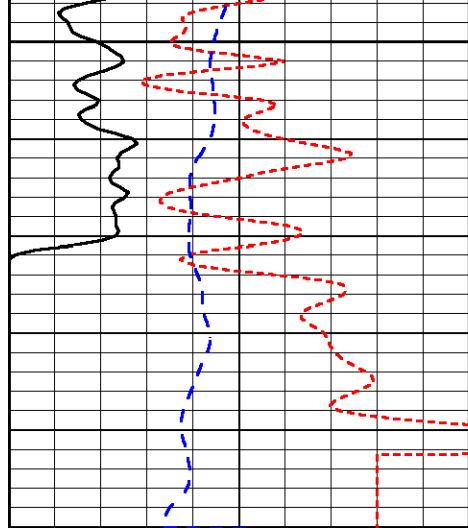


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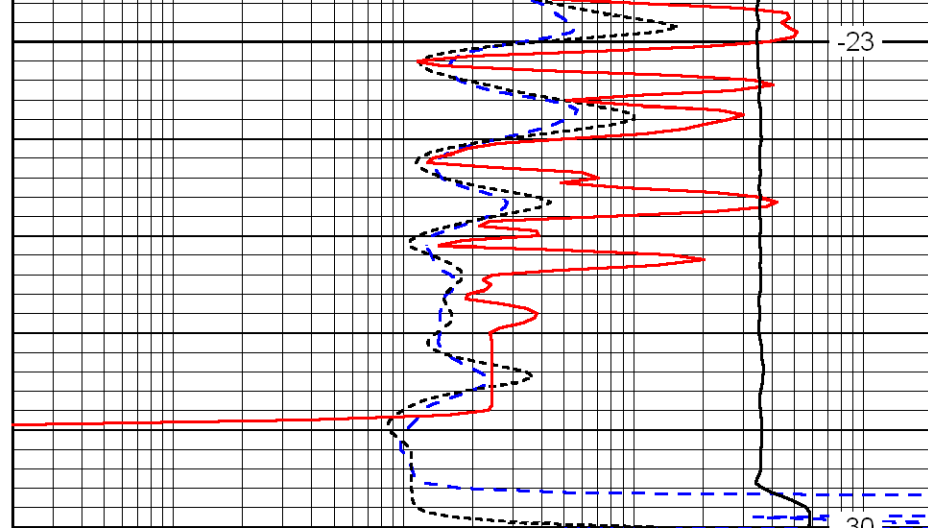
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0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

4500

4550



0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD