



Pioneer Energy Services

Dual Induction Log

API No.

15-009-25,793-00-00

Company Casino Petroleum

Well Larry #1

Field Chase-Silica

County Barton State

Kansas

Location

N/2 NE NW
330' FNL & 3300' FEL

Sec: 18

Twp: 20S

Rge: 11W

Other Services
CNL/CDL
MEL

Permanent Datum Ground Level Elevation 1780
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date

1/14/2013

Run Number

One

Depth Driller

3400

Depth Logger

3399

Bottom Logged Interval

3398

Top Log Interval

250

Casing Driller

8.625 @ 276

Casing Logger

272

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity,ppm CL

8300

Density / Viscosity

9.3 50

pH / Fluid Loss

9.0 7.6

Source of Sample

Flowline

Rm @ Meas. Temp

.48 @ 50

Rmf @ Meas. Temp

.36 @ 50

Rmc @ Meas. Temp

.65 @ 50

Source of Rmf / Rmc

Charts

Rm @ BHT

.22 @ 110

Operating Rig Time

4 Hours

Max Rec. Temp. F

110

Equipment Number

15

Location

Hays

Recorded By

D. Kerr

Witnessed By

Josh Austin

<<< Fold Here >>>

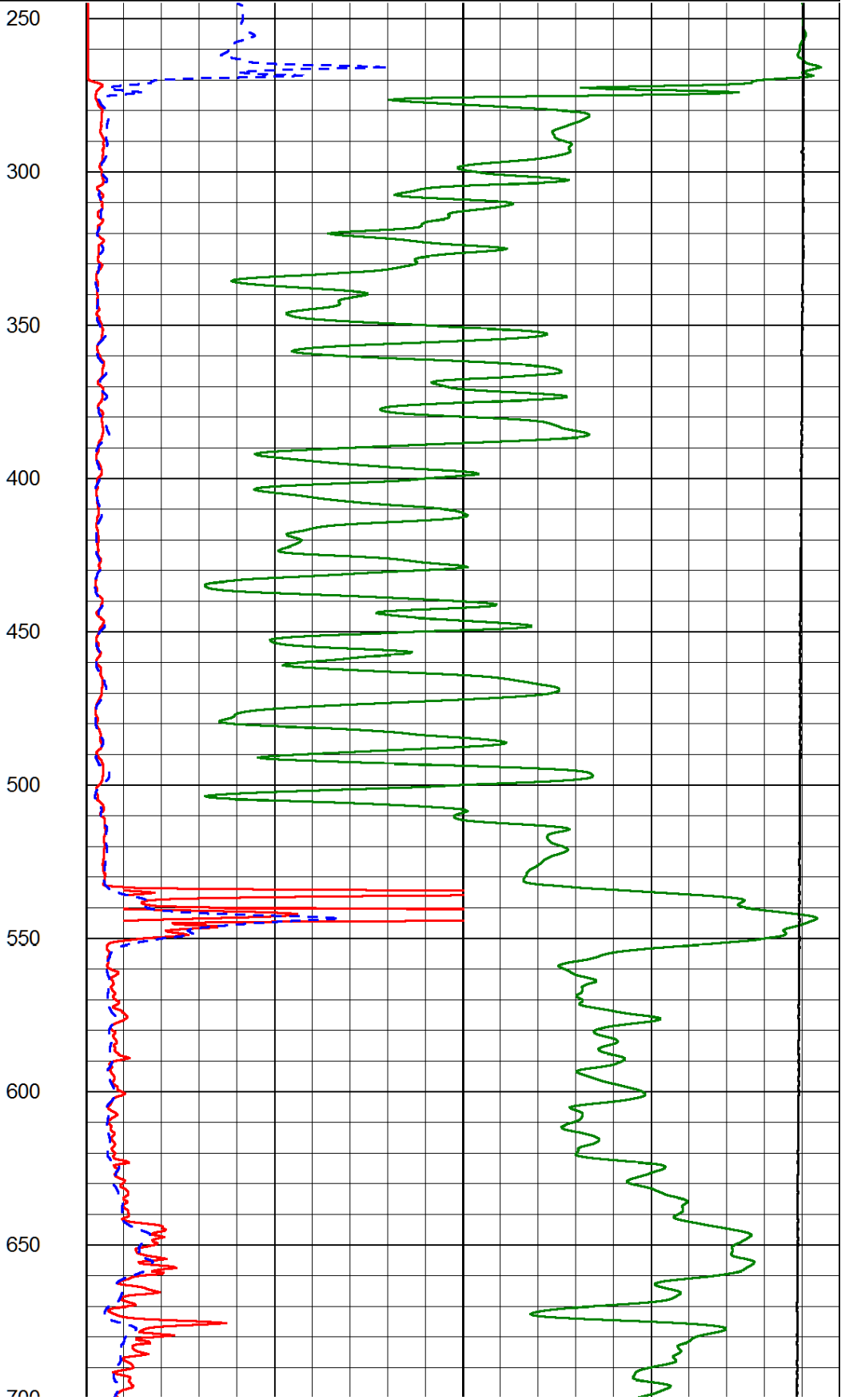
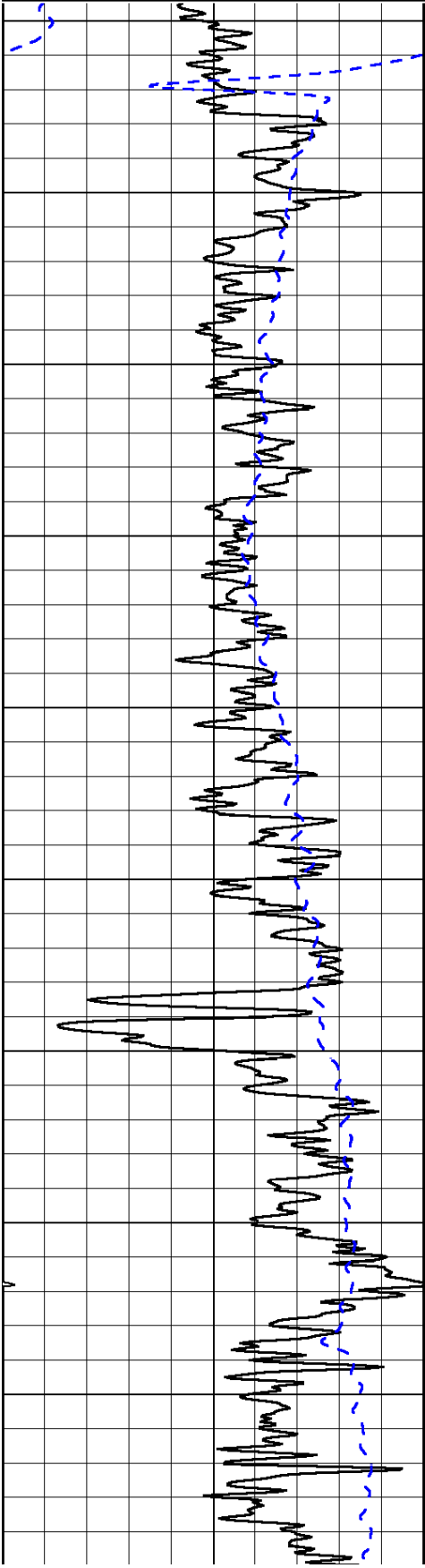
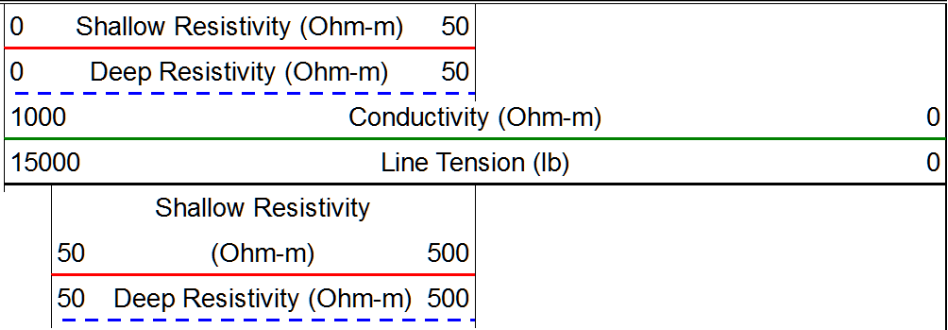
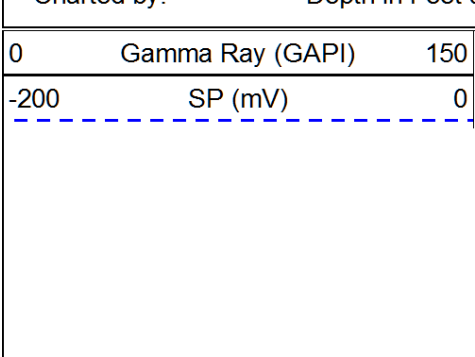
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

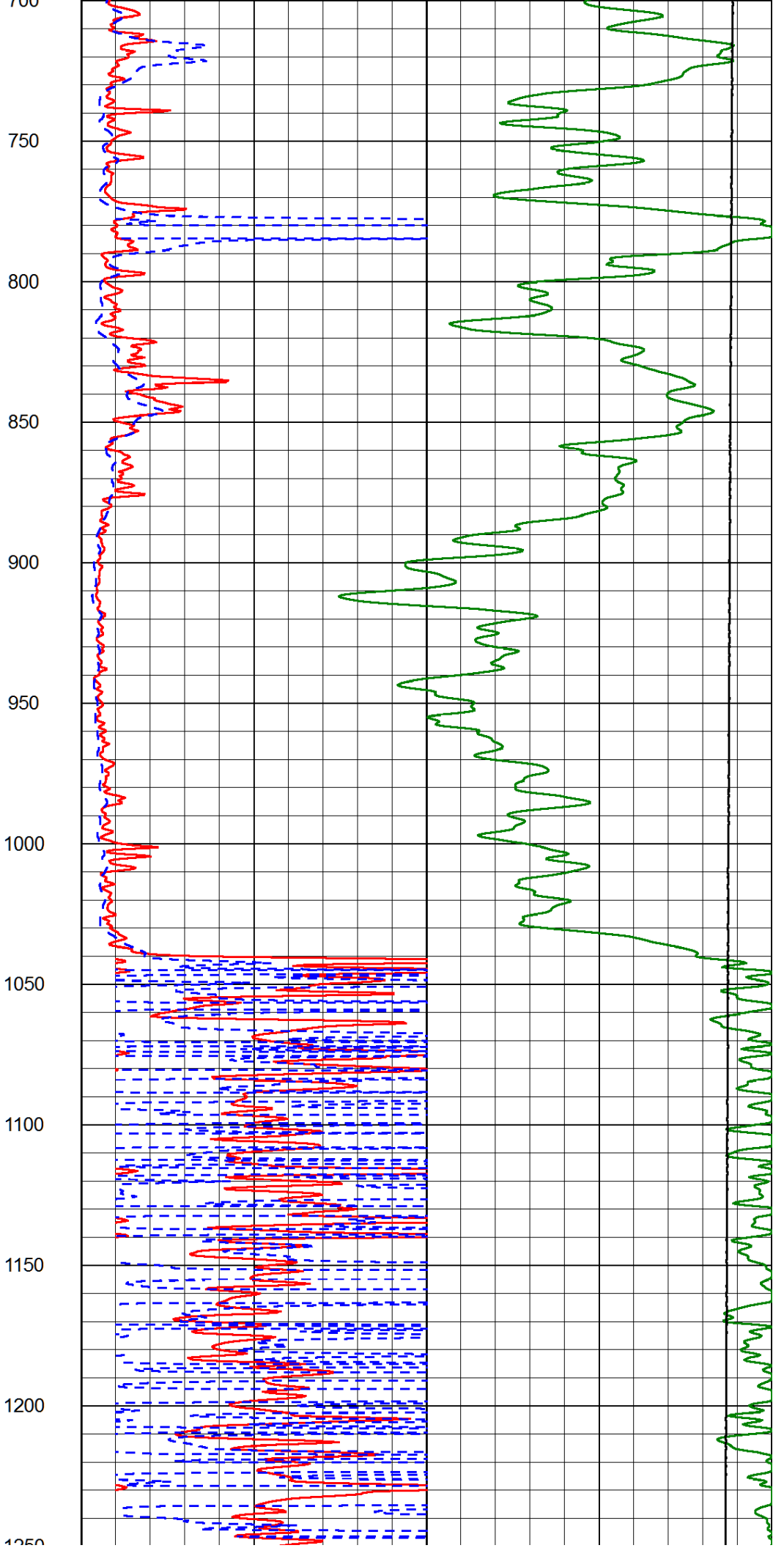
Comments

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

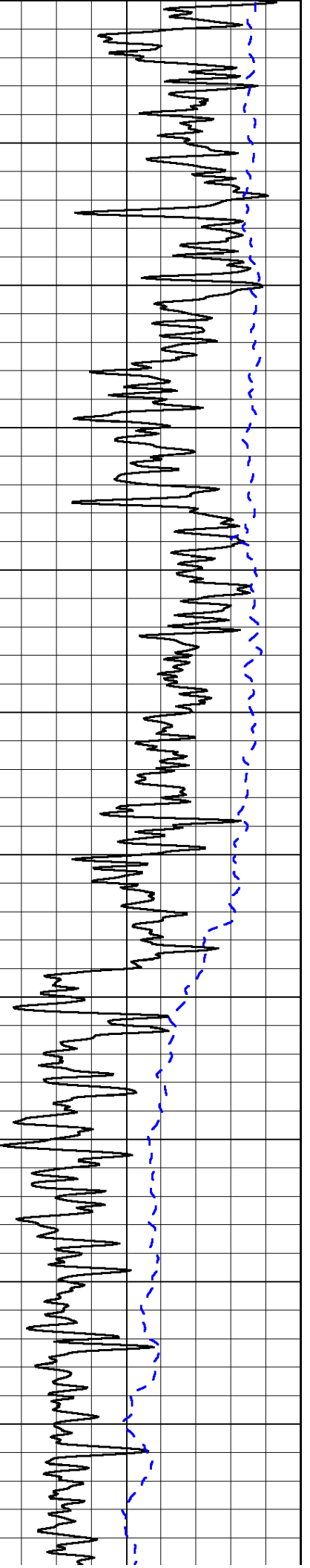
Ellinwood KS, SouthWest to SE 100 Ave,
1 South, 1/4 East, South Into

Database File: casino_larry_1hd.db
Dataset Pathname: DIL/casnstk2
Presentation Format: dil2in
Dataset Creation: Mon Jan 14 09:18:28 2013
Charted by: Depth in Feet scaled 1:600

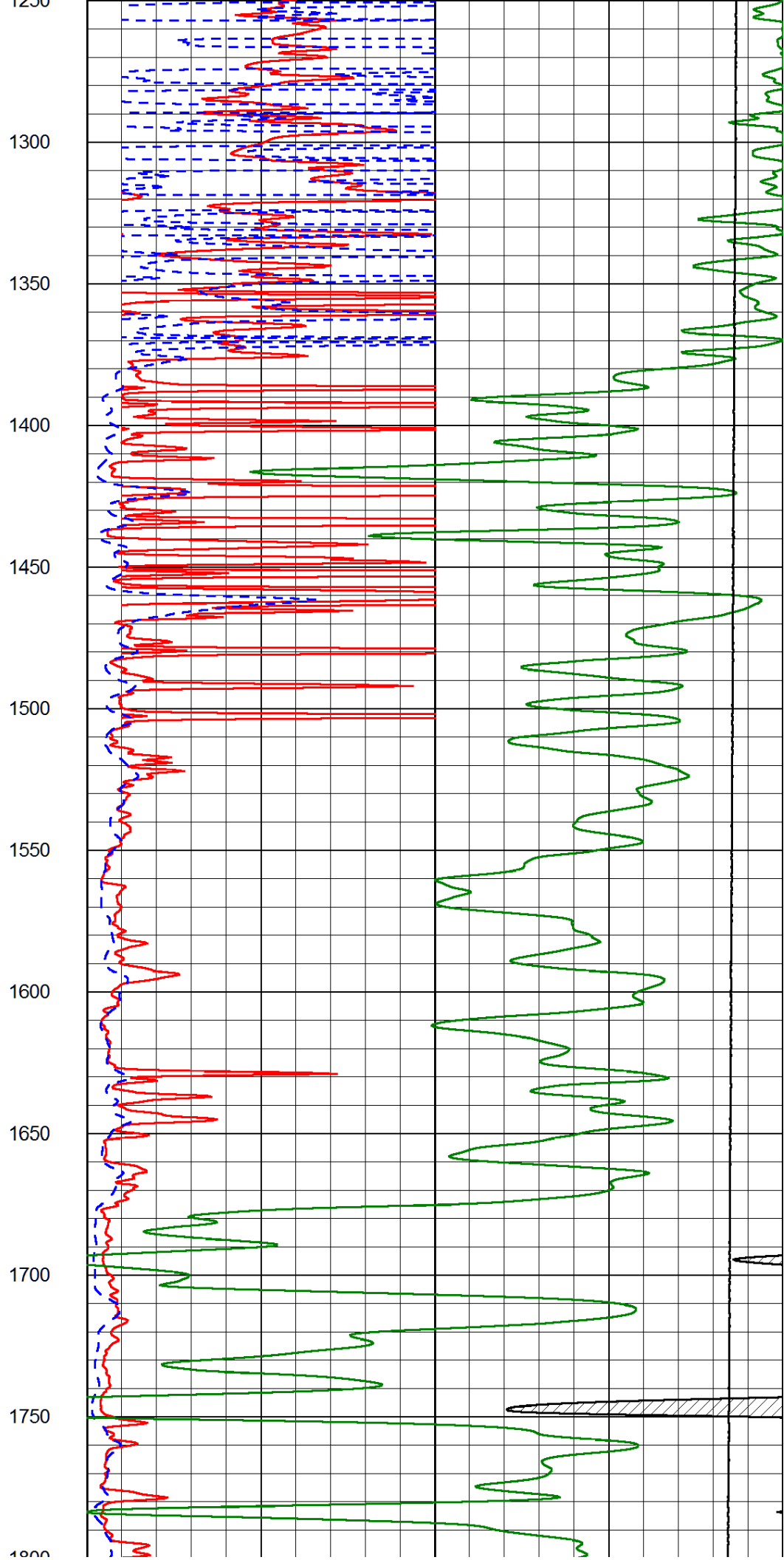
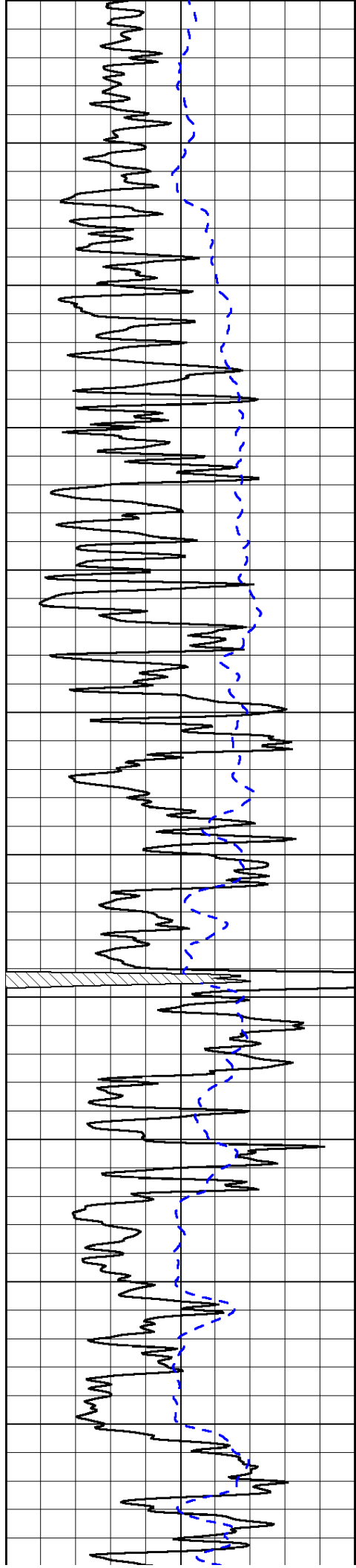


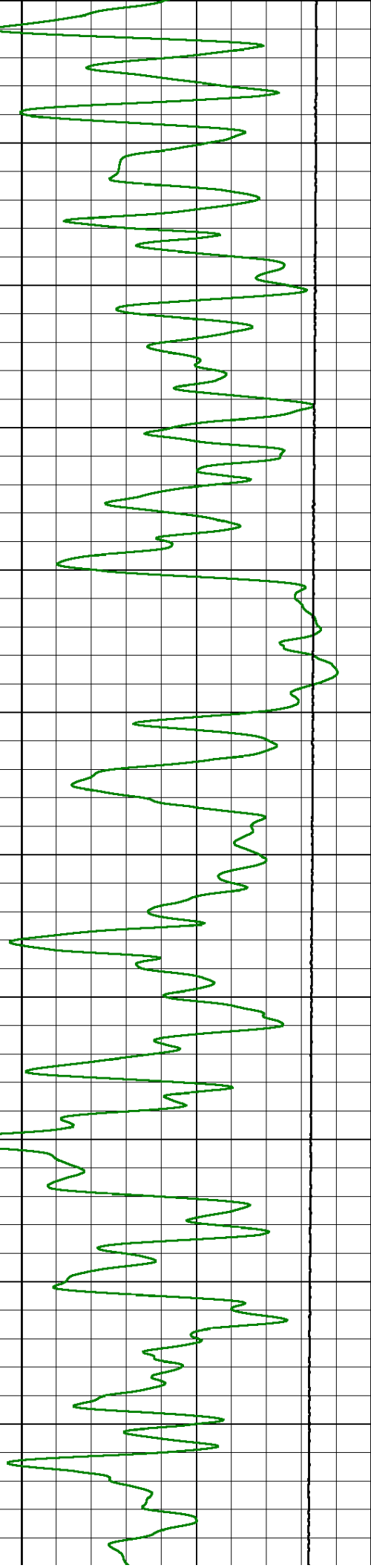
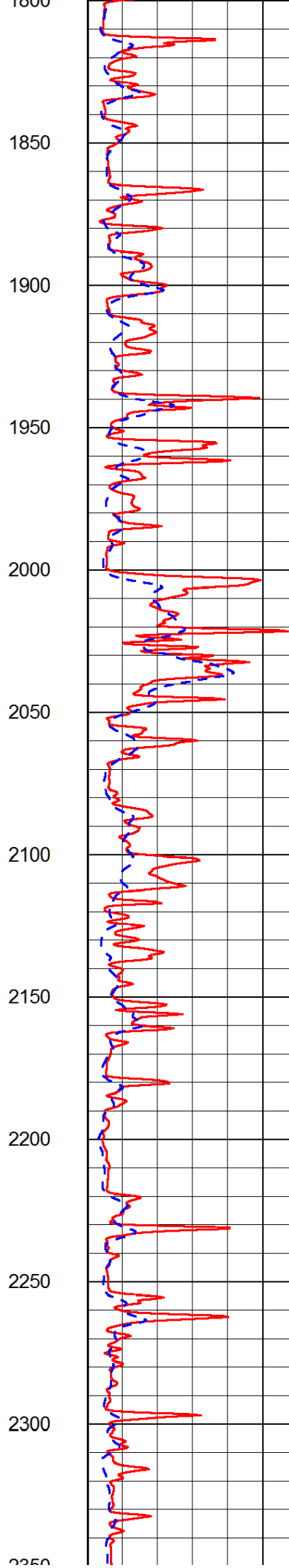
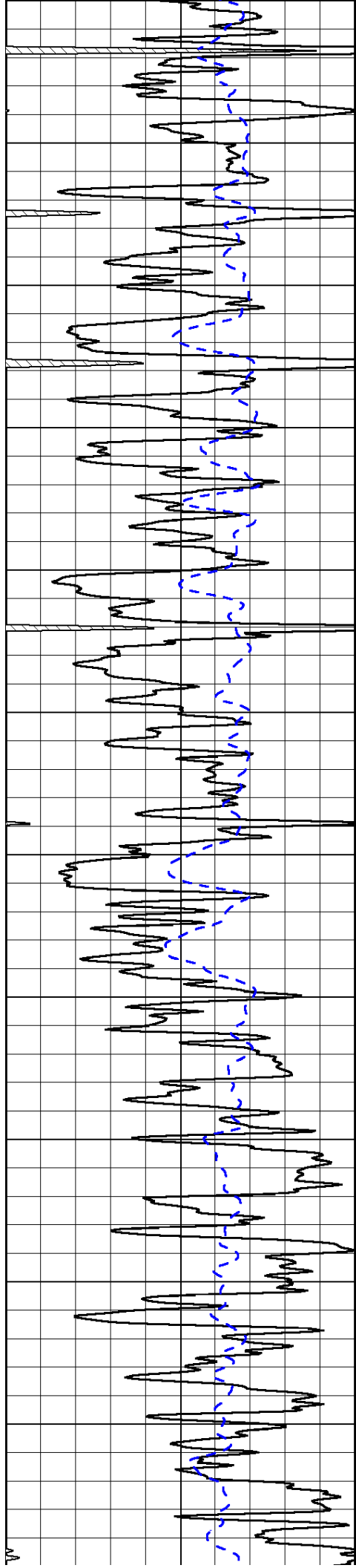


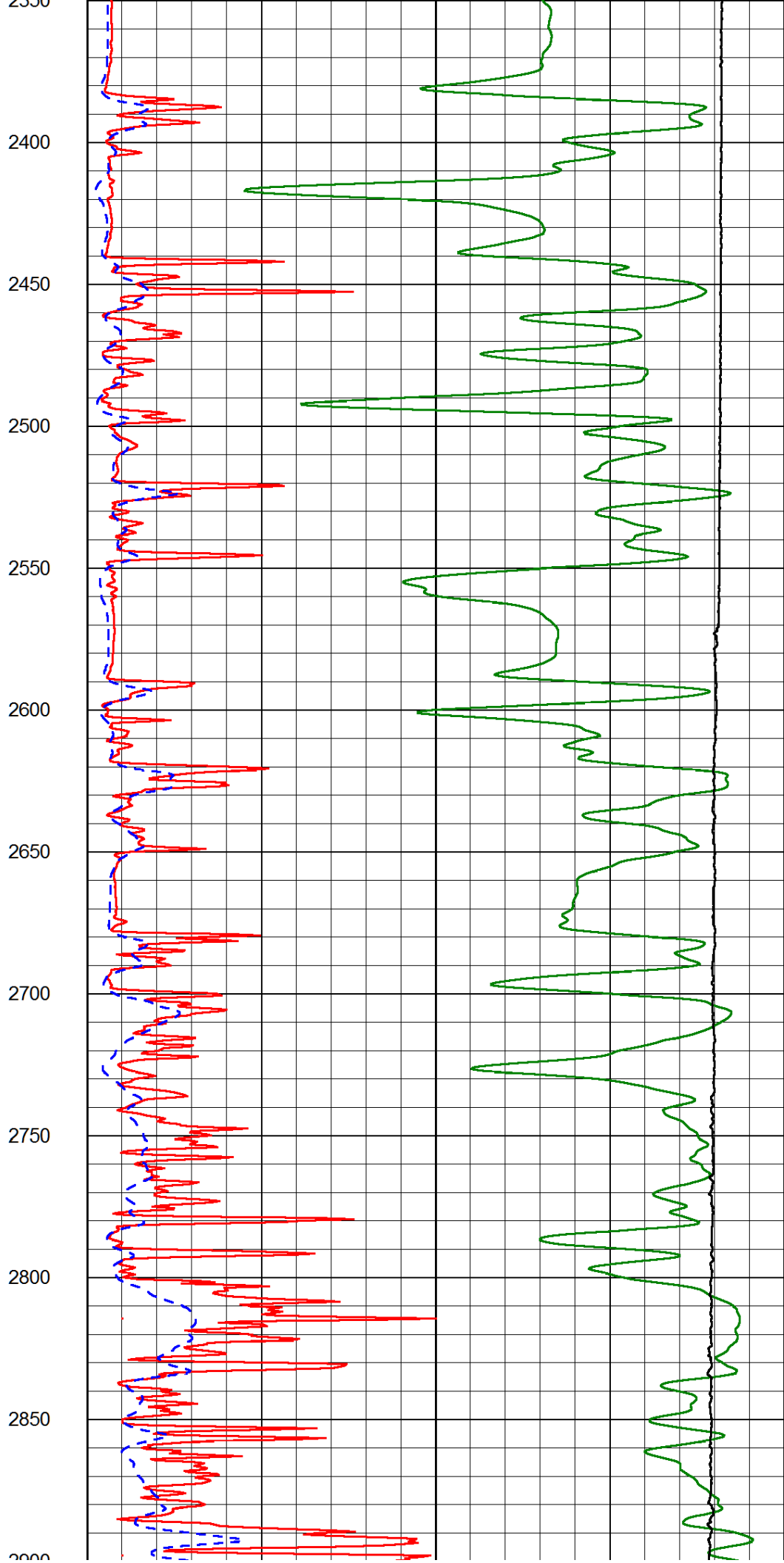
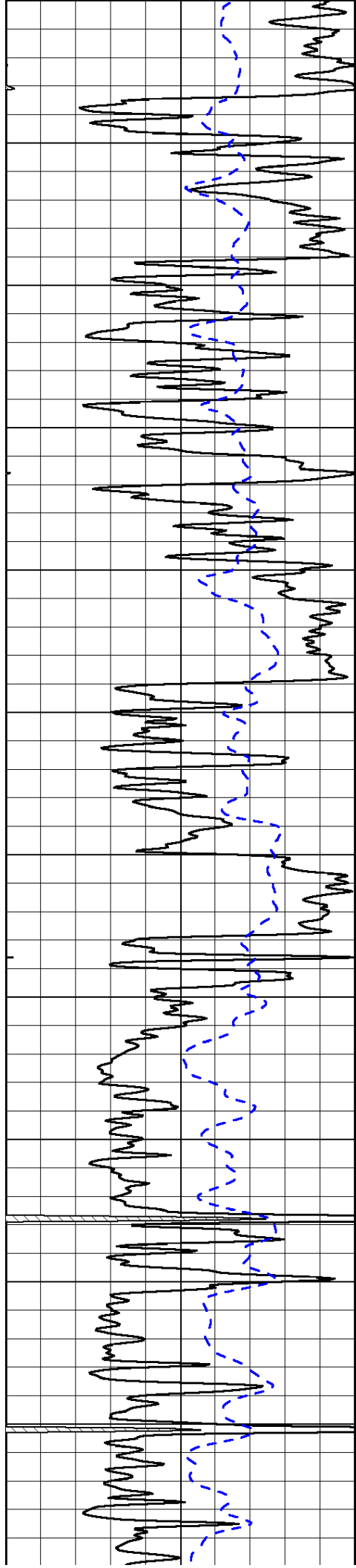
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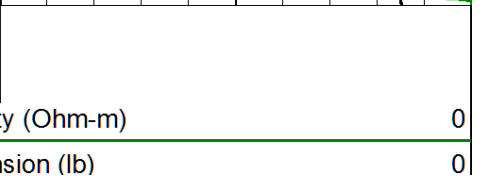
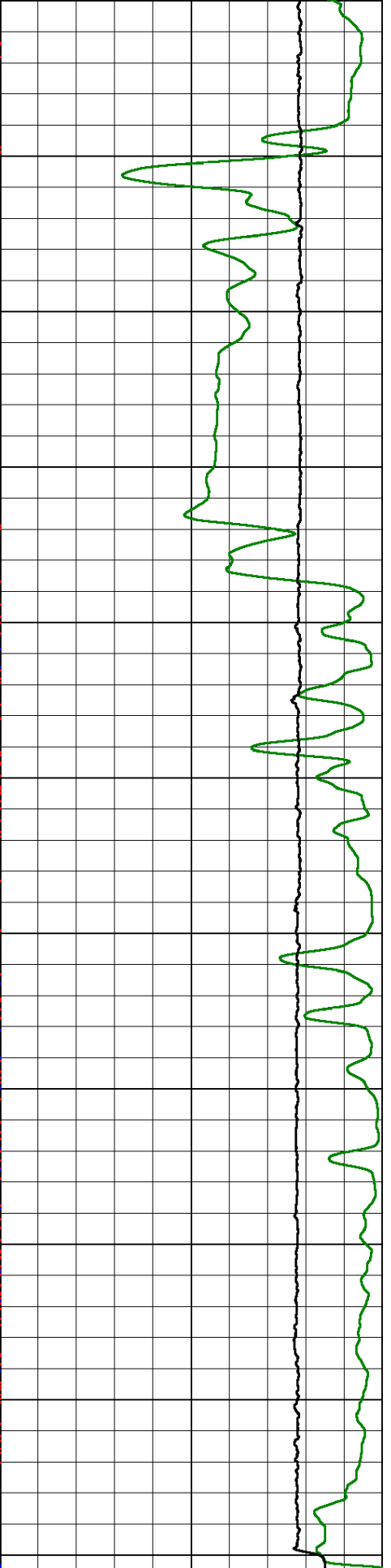
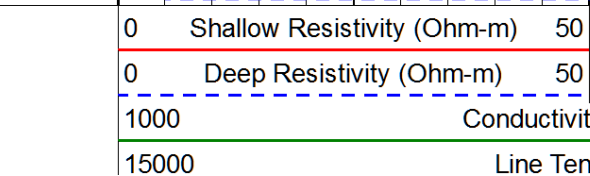
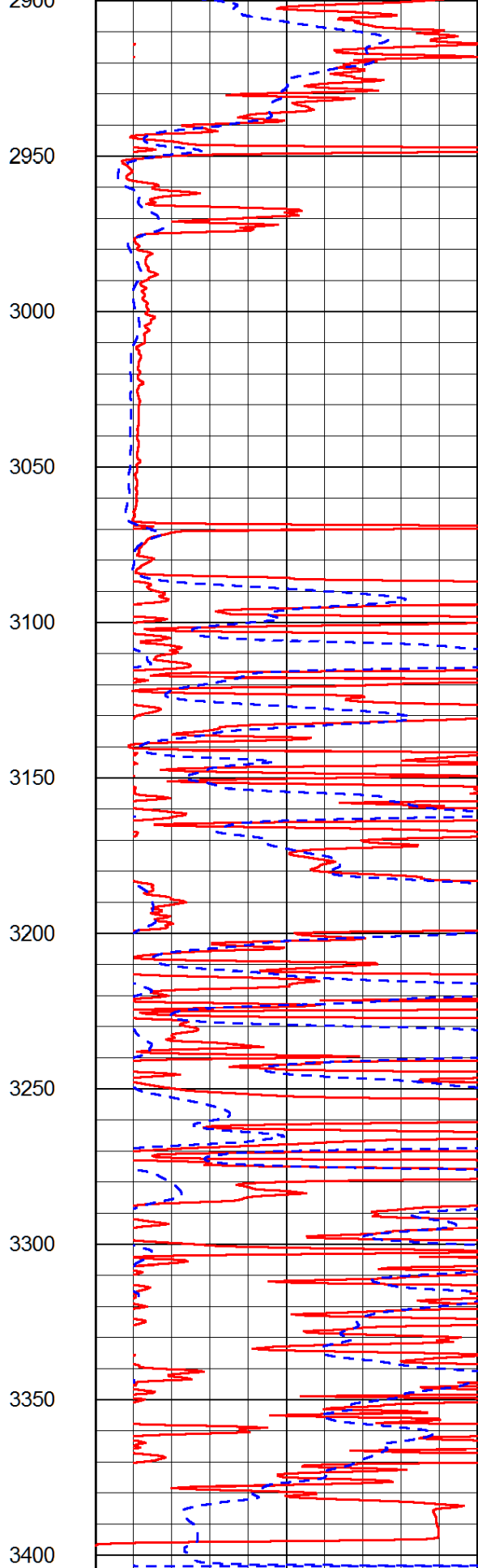
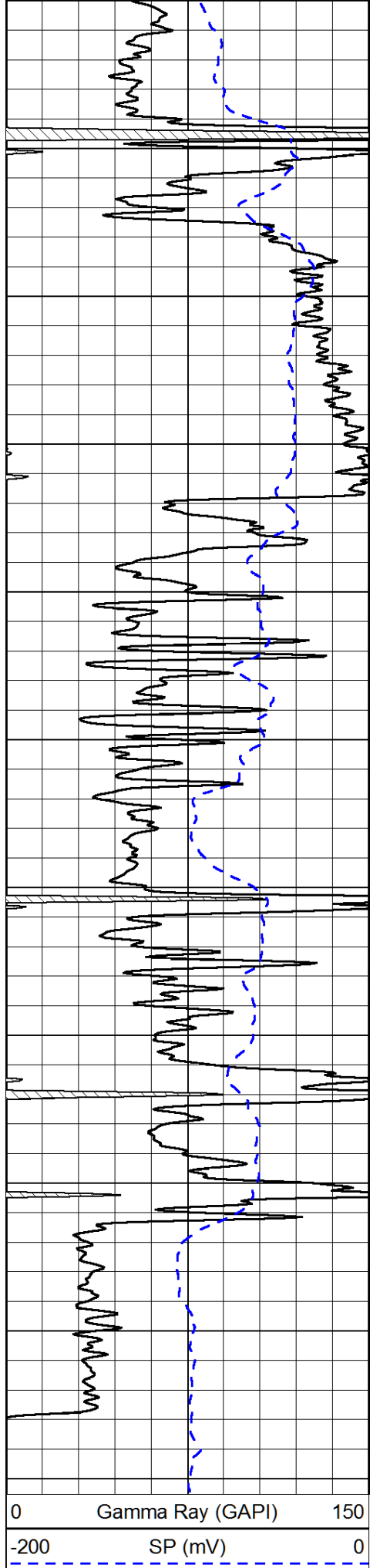


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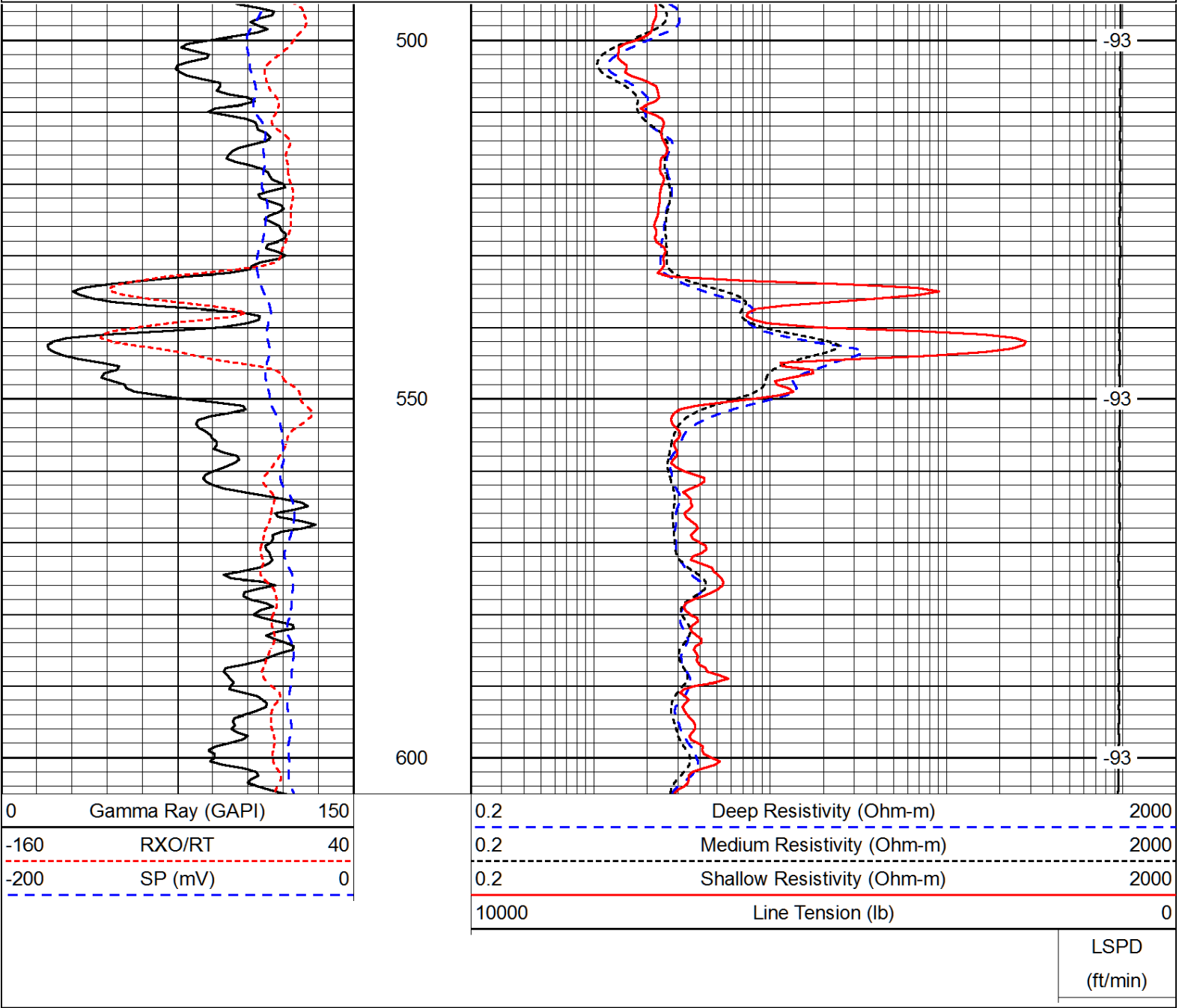
Shallow Resistivity		
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

Database File:	casino_larry_1hd.db		
Dataset Pathname:	DIL/casnstk2		
Presentation Format:	dil		
Dataset Creation:	Mon Jan 14 09:18:28 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)



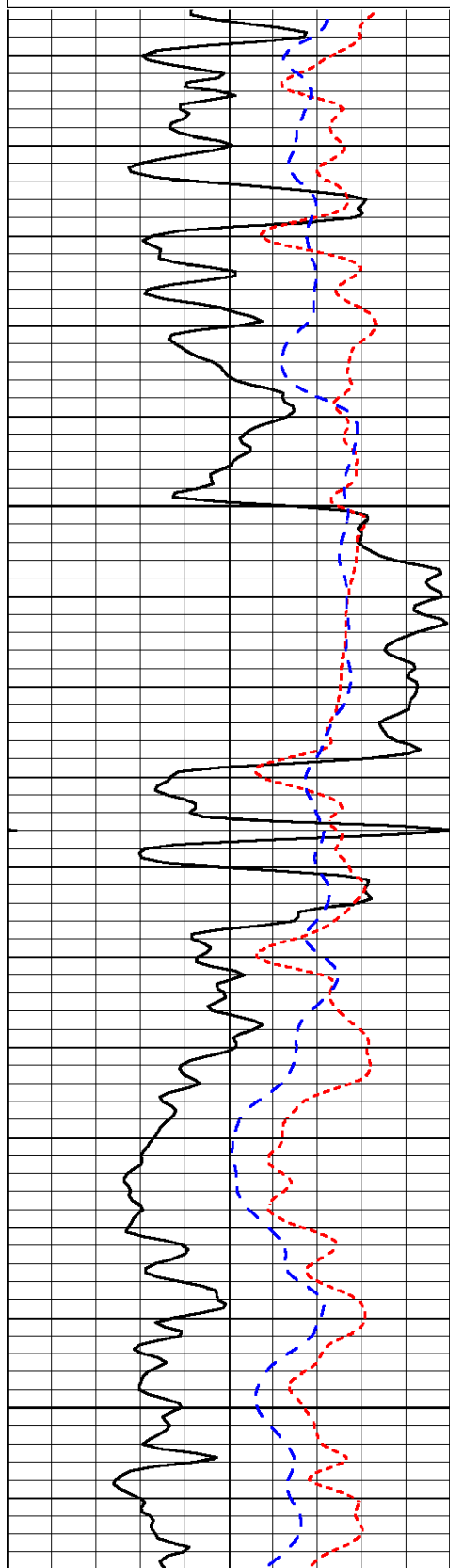
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Database File: casino_jarry_ind.db
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Presentation Format: dil
Dataset Creation: Mon Jan 14 09:18:28 2013
Charted by: Depth in Feet scaled 1:240

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)

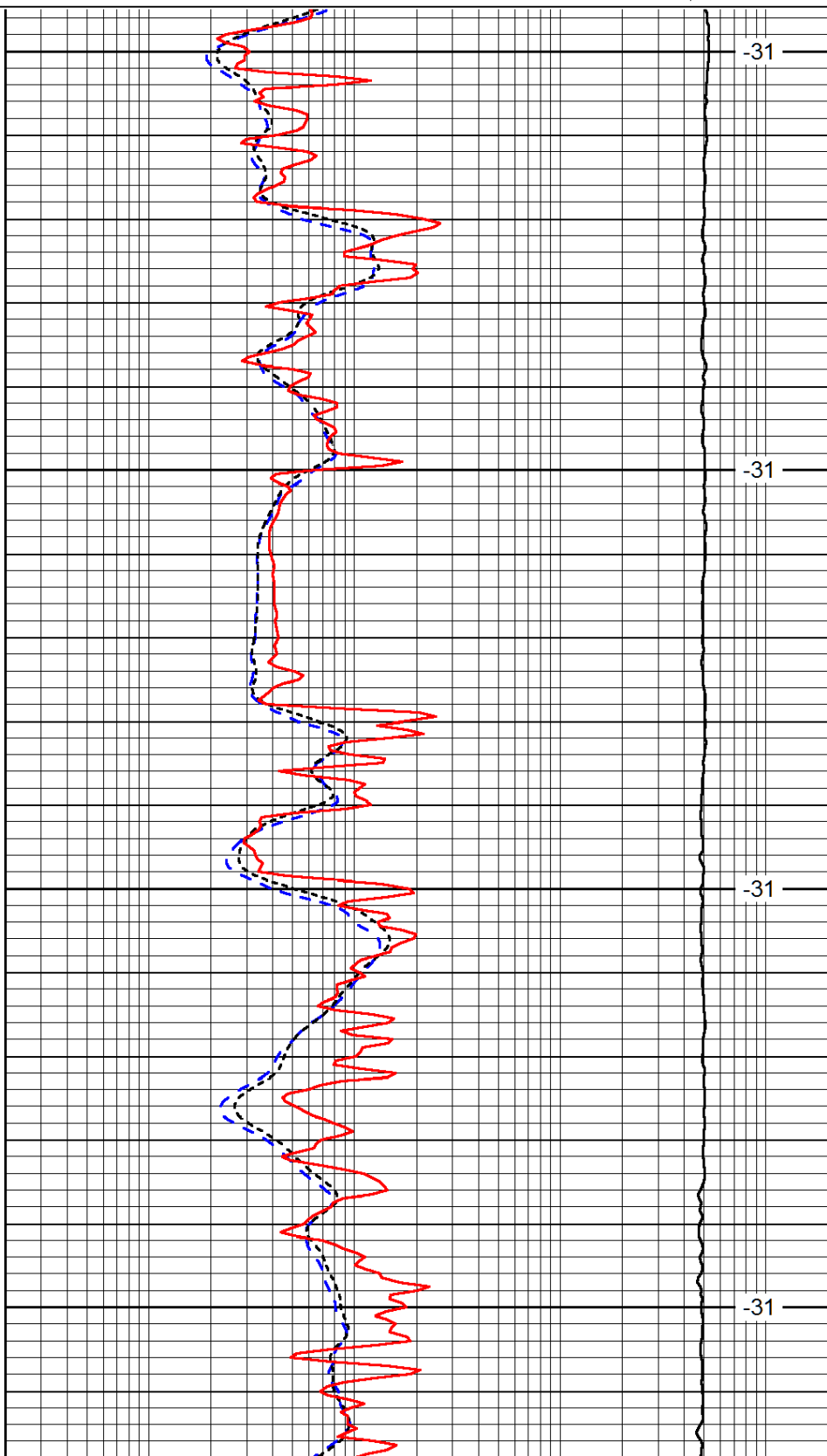


2600

2650

2700

2750

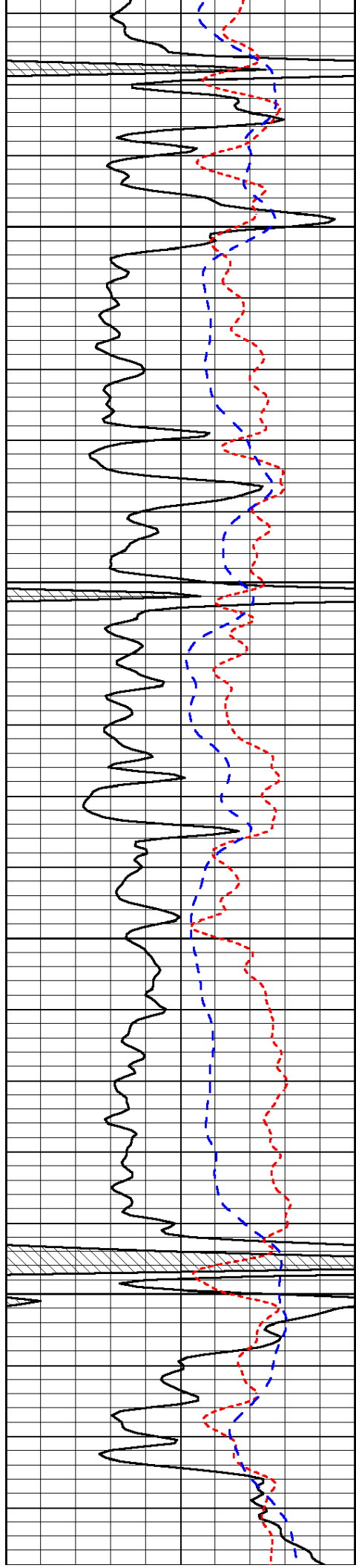


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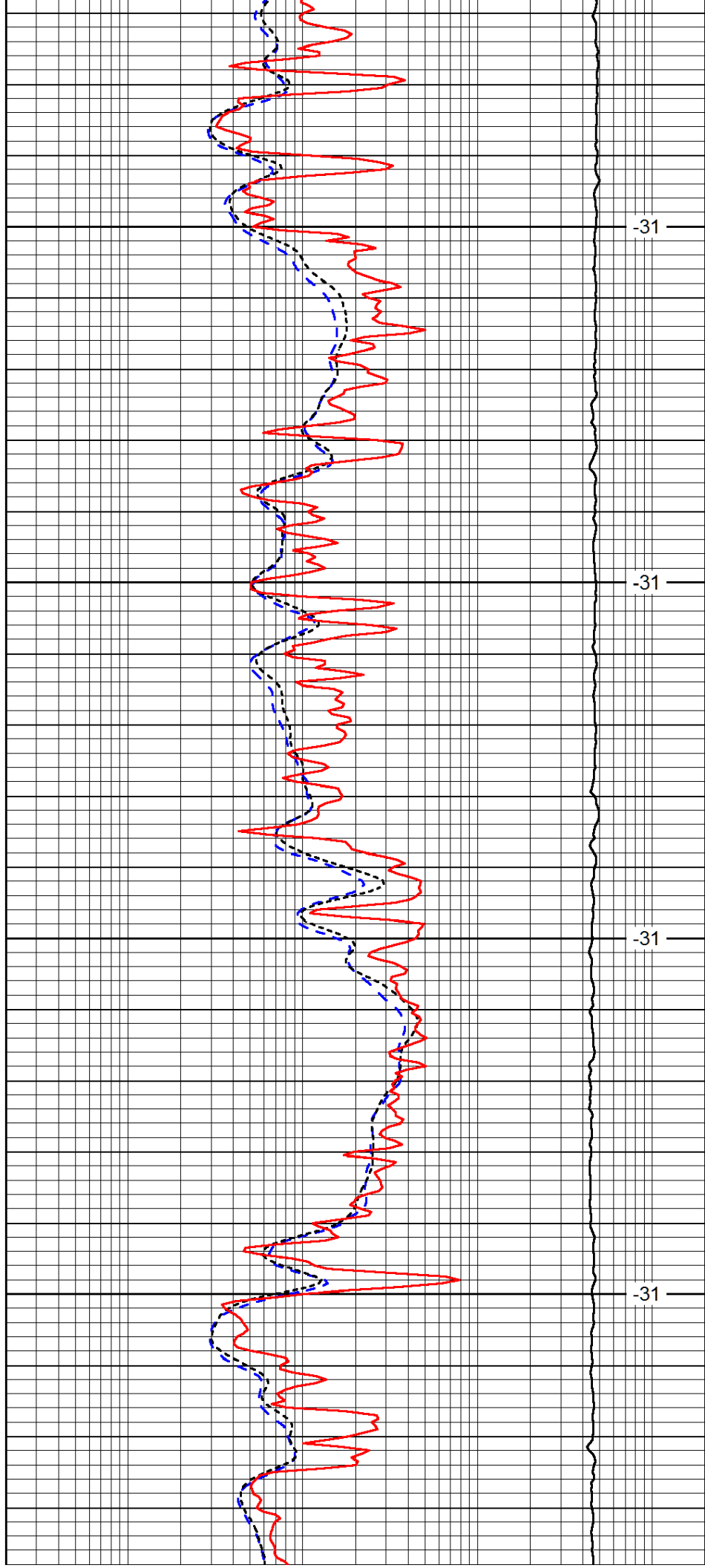


2800

2850

2900

2950

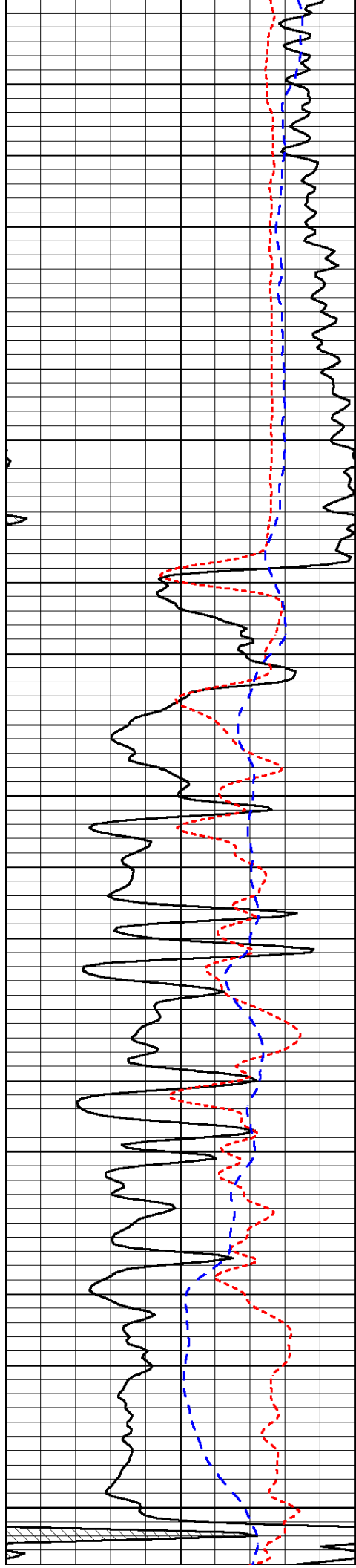


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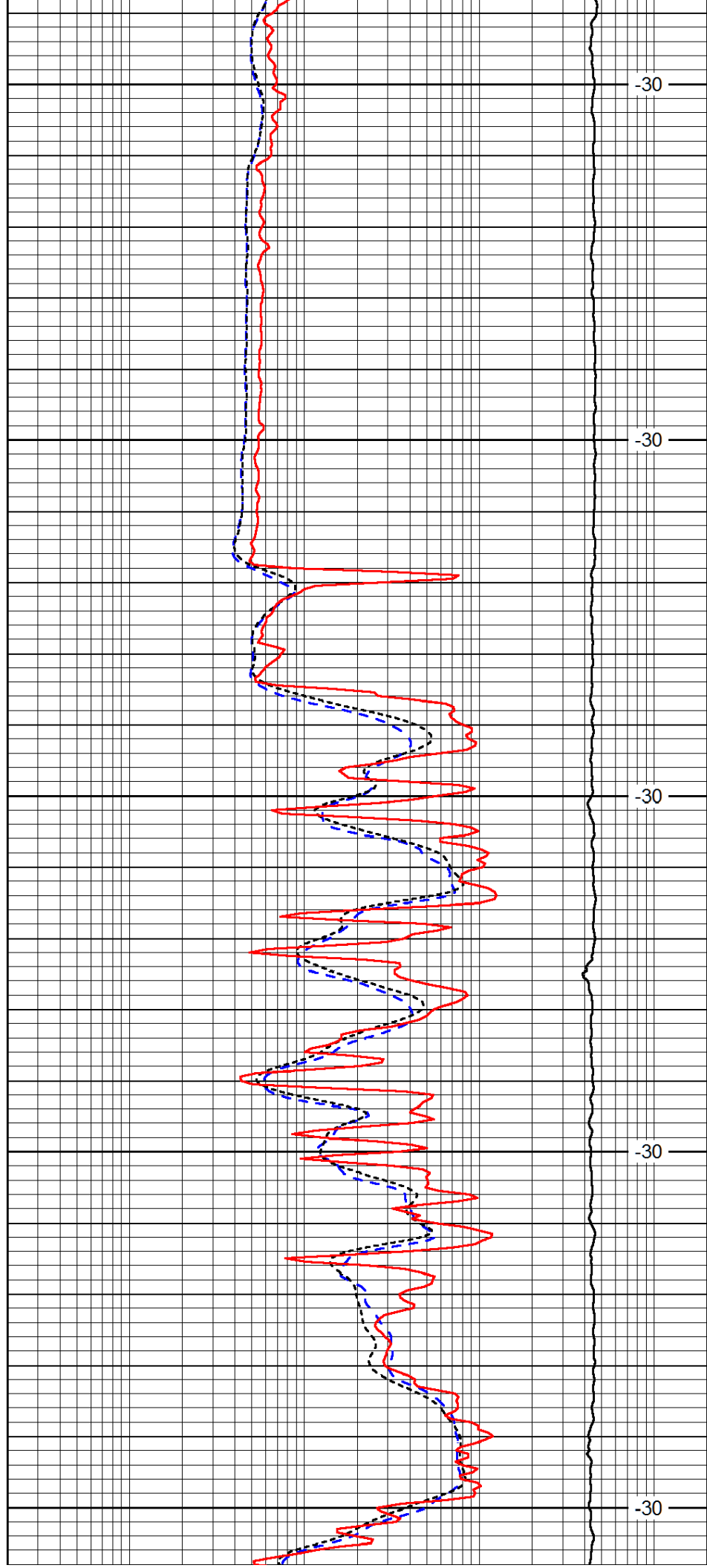
3000

3050

3100

3150

3200



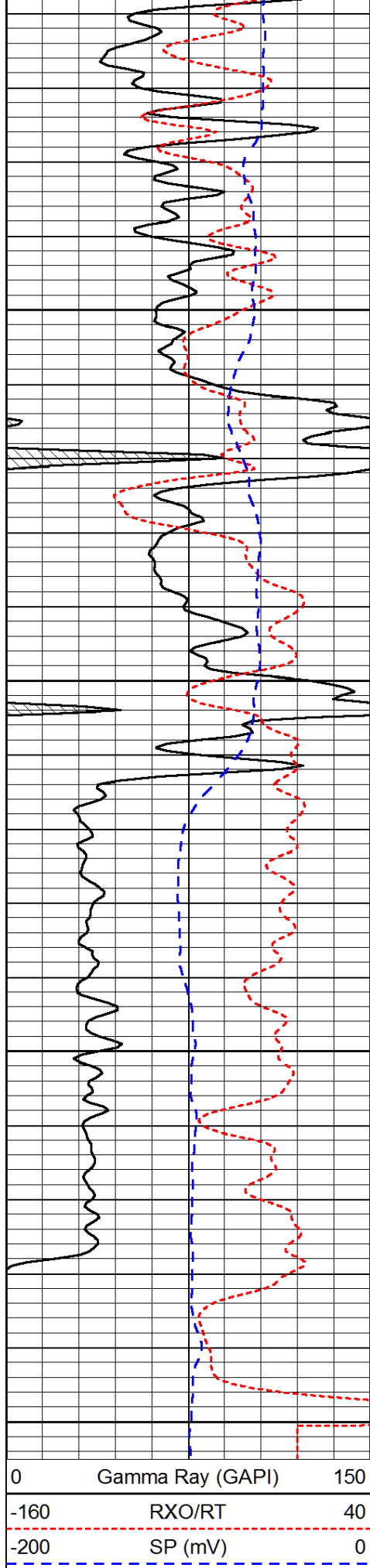
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-30



3250

3300

3350

3400

