



Pioneer Energy Services

Dual Induction Log

API No.

15-051-26,502-00-00

Company TDI, Inc.

Well Zimmerman Unit No.1

Field Schoenchen

County Ellis State

Kansas

Location 1480' FNL & 1725' FEL

Sec: 22

Twp: 15S

Rge: 18W

Other Services
CNL/CDL
MEL

Permanent Datum Ground Level Elevation 2028
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date

Run Number

Depth Driller

Depth Logger

Bottom Logged Interval

Top Log Interval

Casing Driller

Casing Logger

Bit Size

Type Fluid in Hole

Salinity, ppm CL

Density / Viscosity

pH / Fluid Loss

Source of Sample

Rm @ Meas. Temp

Rmf @ Meas. Temp

Rmc @ Meas. Temp

Source of Rmf / Rmc

Rm @ BHT

Operating Rig Time

Max Rec. Temp. F

Equipment Number

Location

Recorded By

Witnessed By

<<< 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

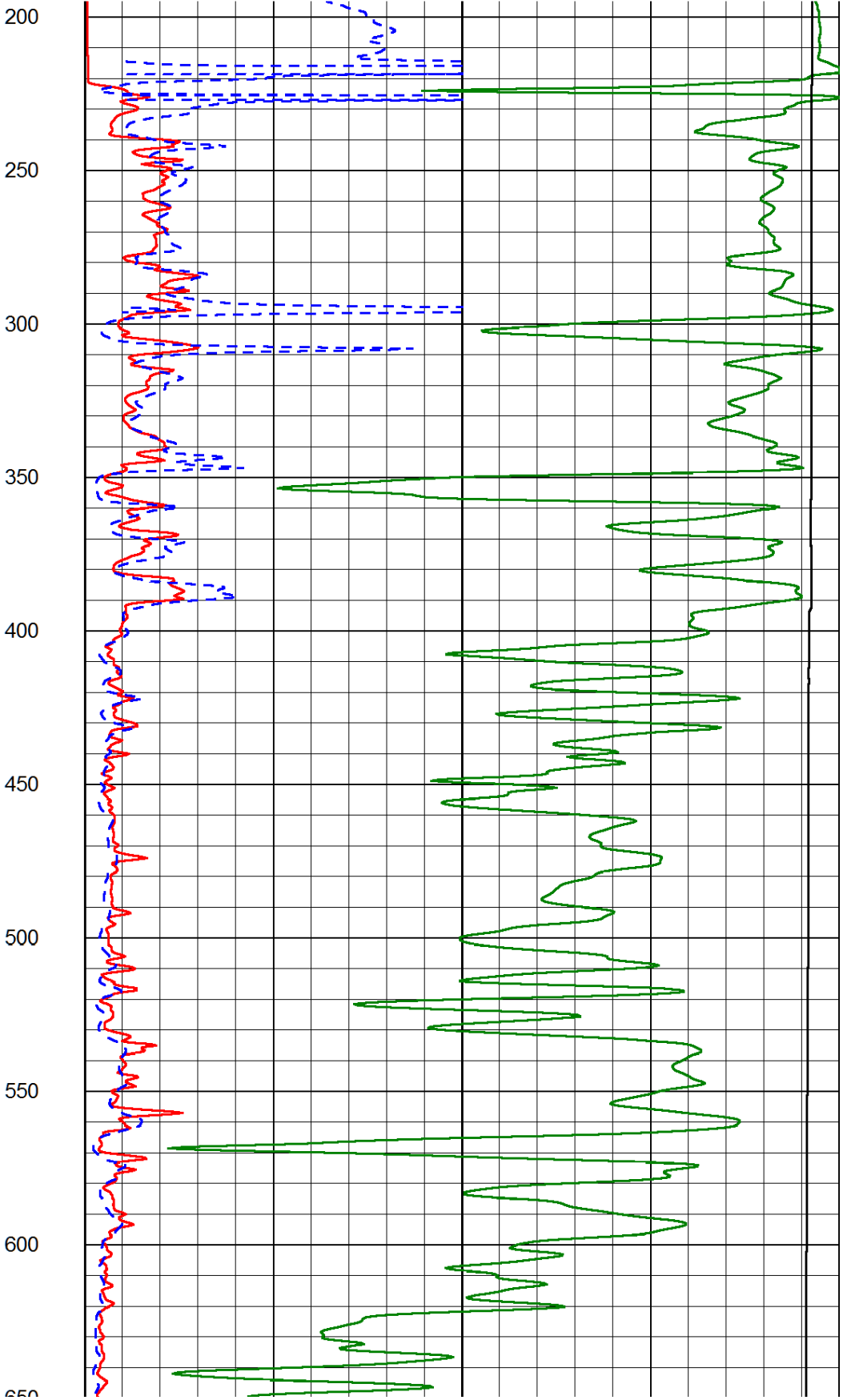
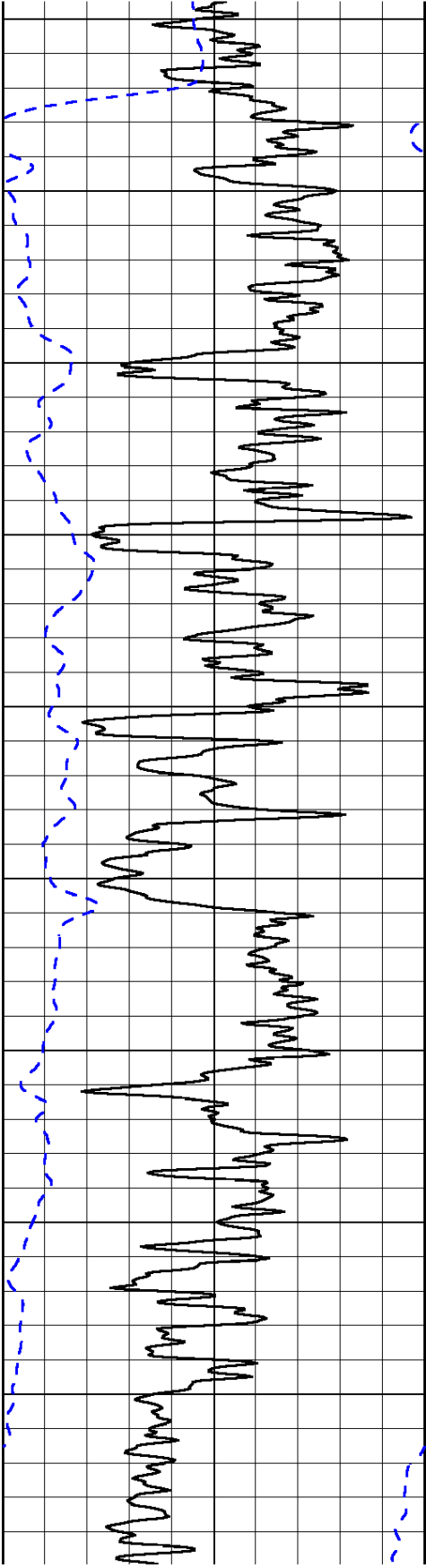
Thank you for using Log-Tech, Inc.
(785) 625-3858

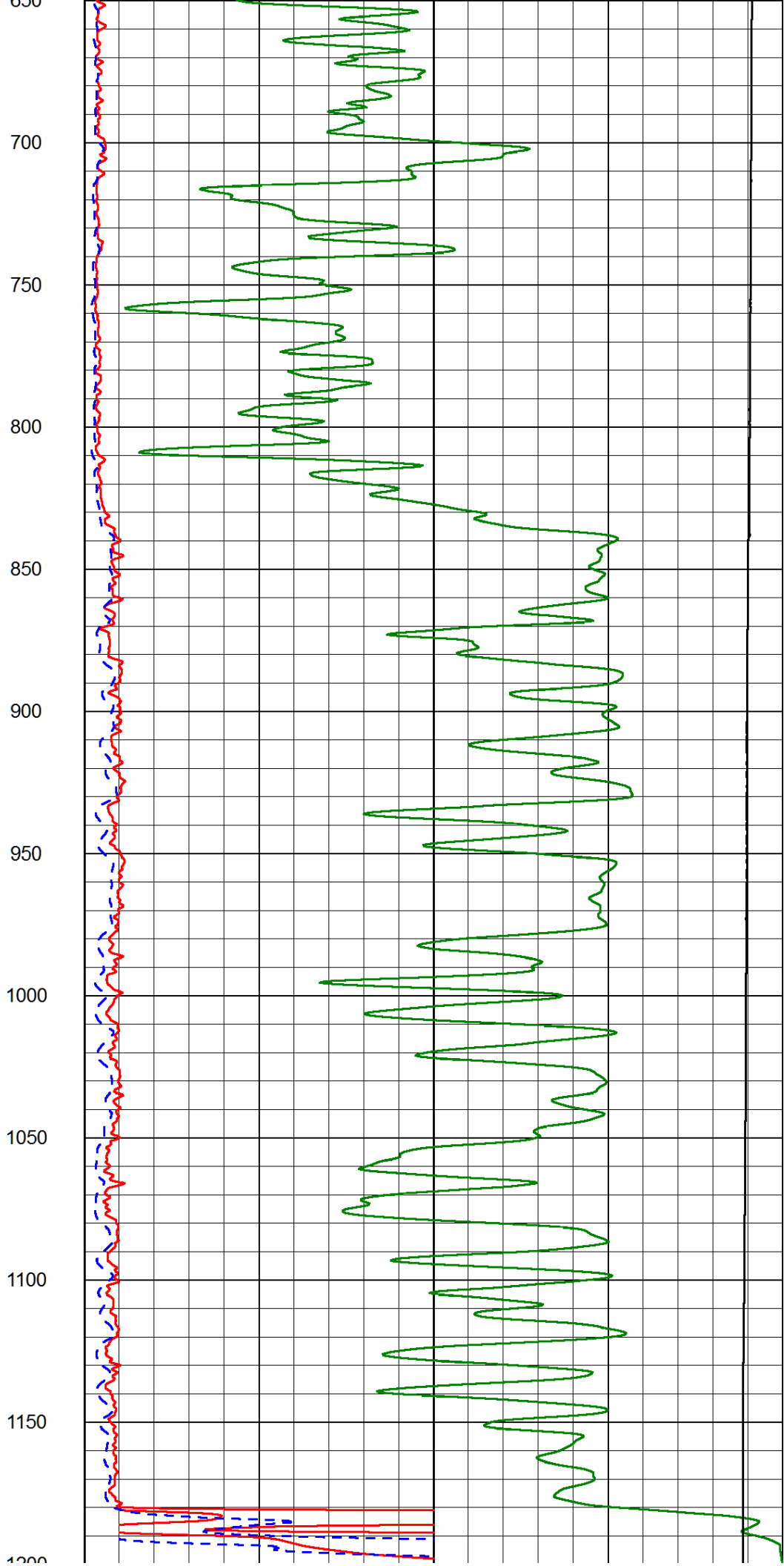
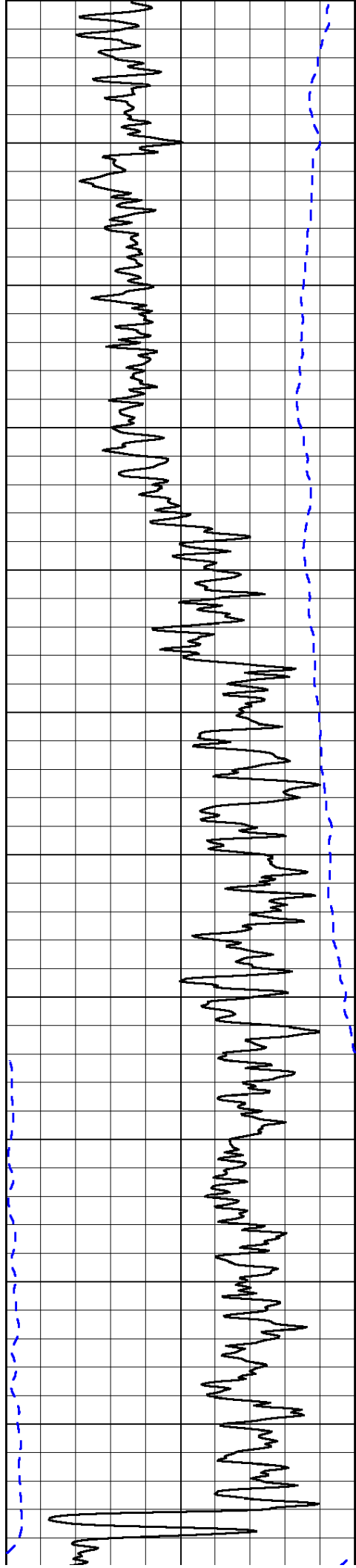
Hays KS, S to Mack Dealer,
1 E, 1/2 S, W-NW Into

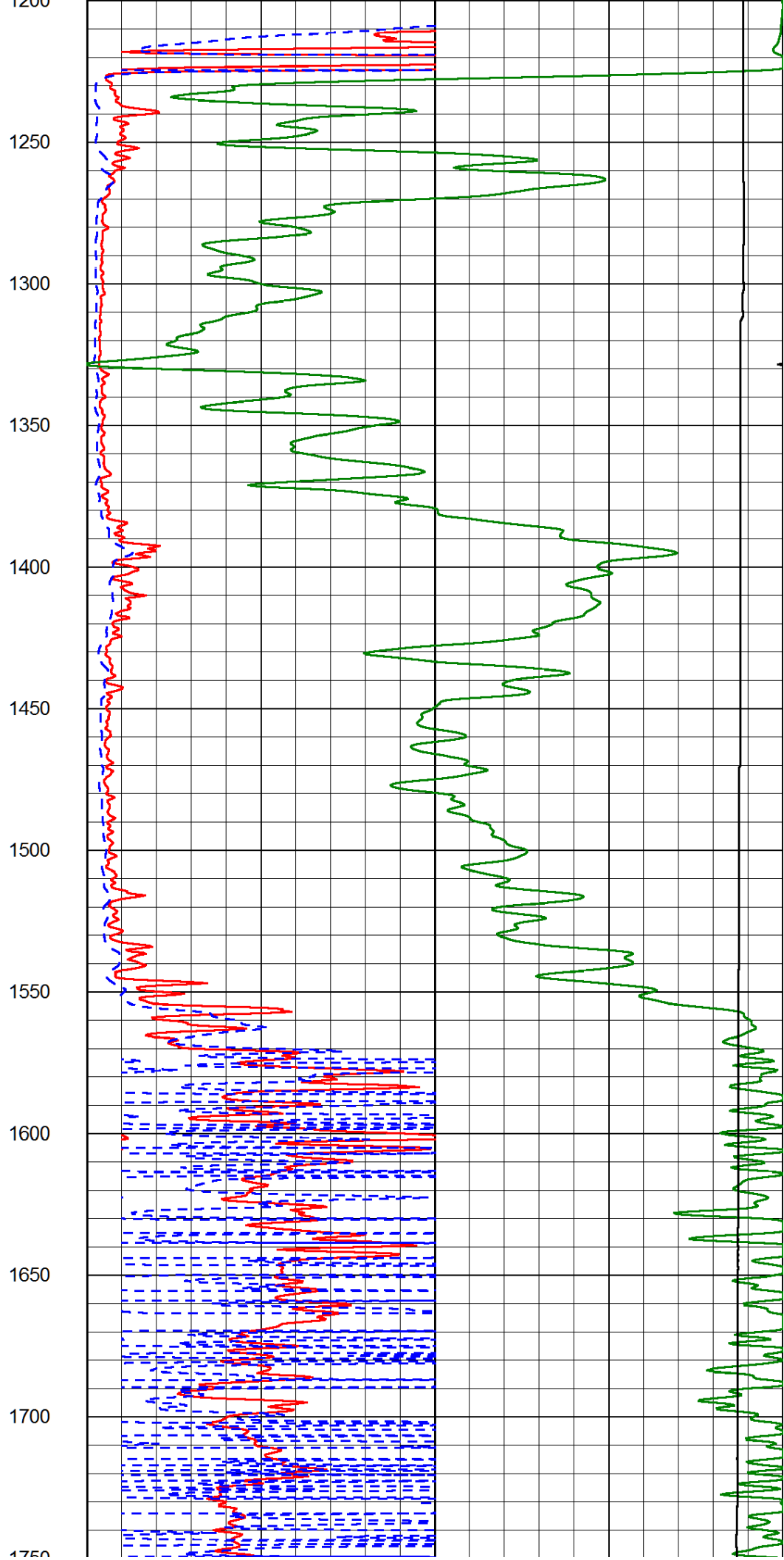
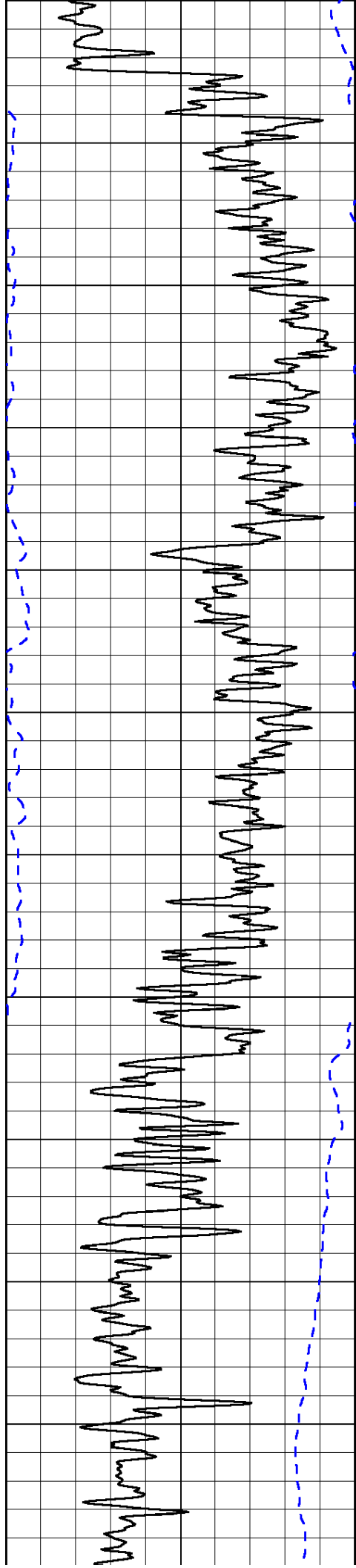
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Presentation Format: dil2in
Dataset Creation: Sun May 12 18:34:38 2013
Charted by: Depth in Feet scaled 1:600

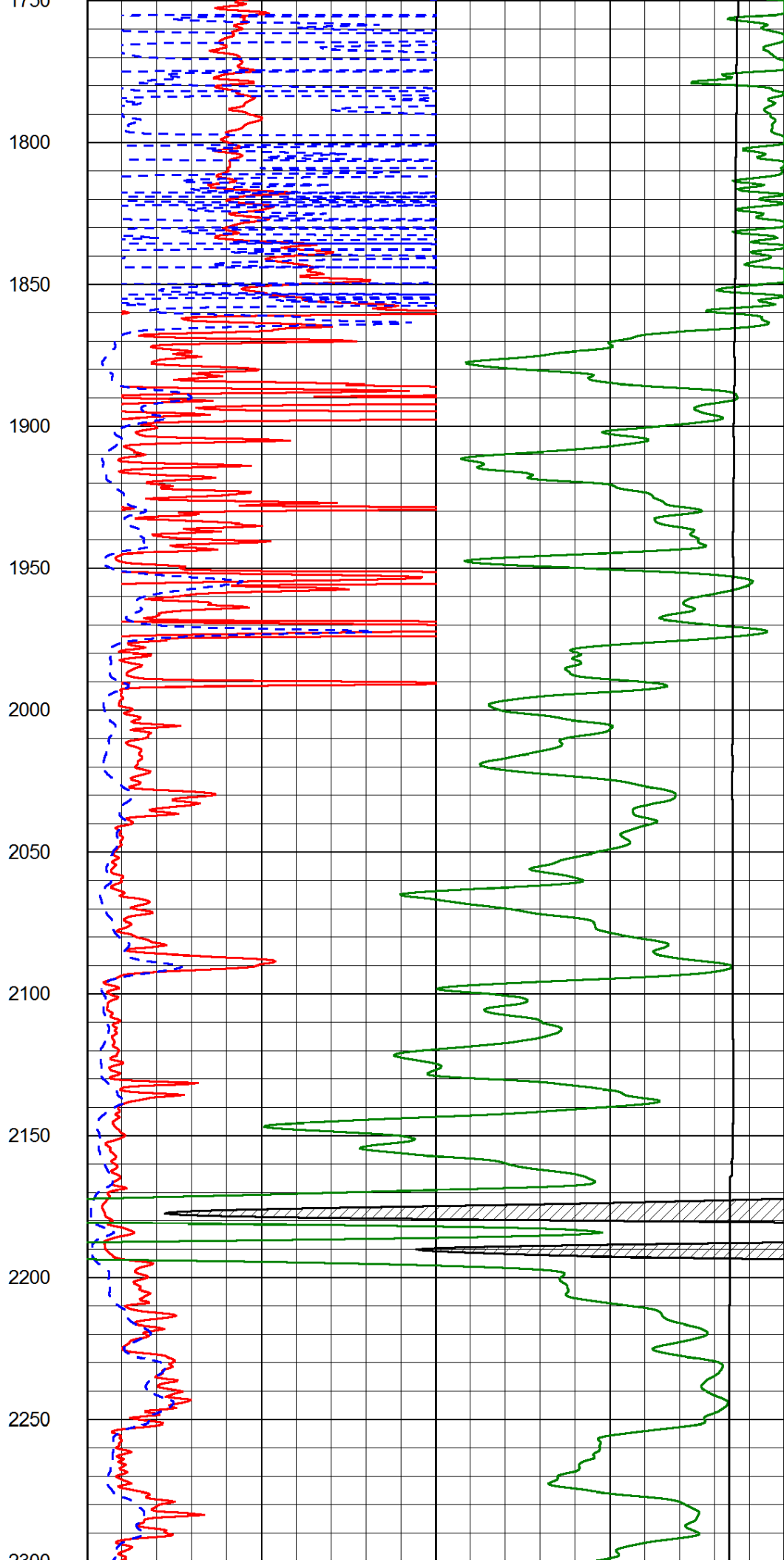
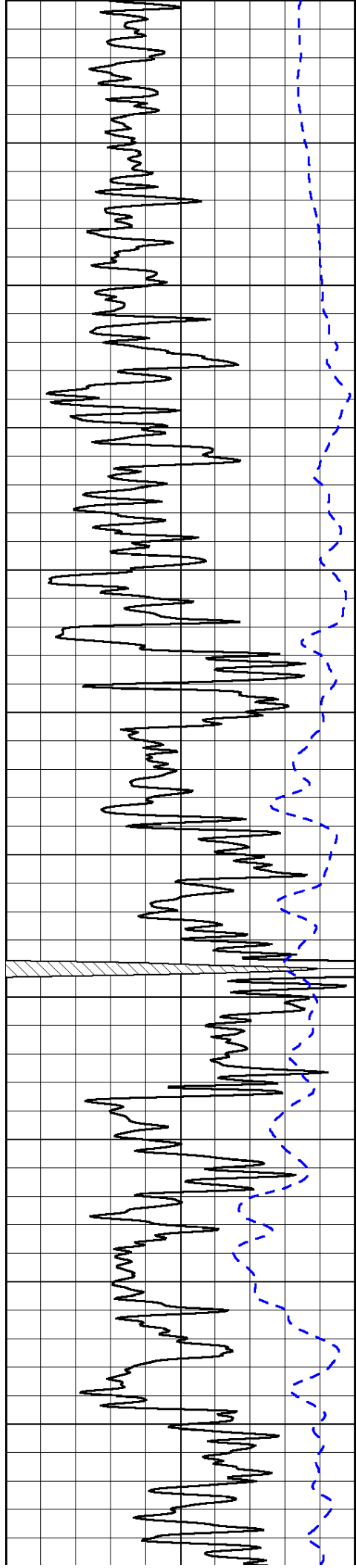
0	Gamma Ray (GAPI)	150
-200	SP (mV)	0

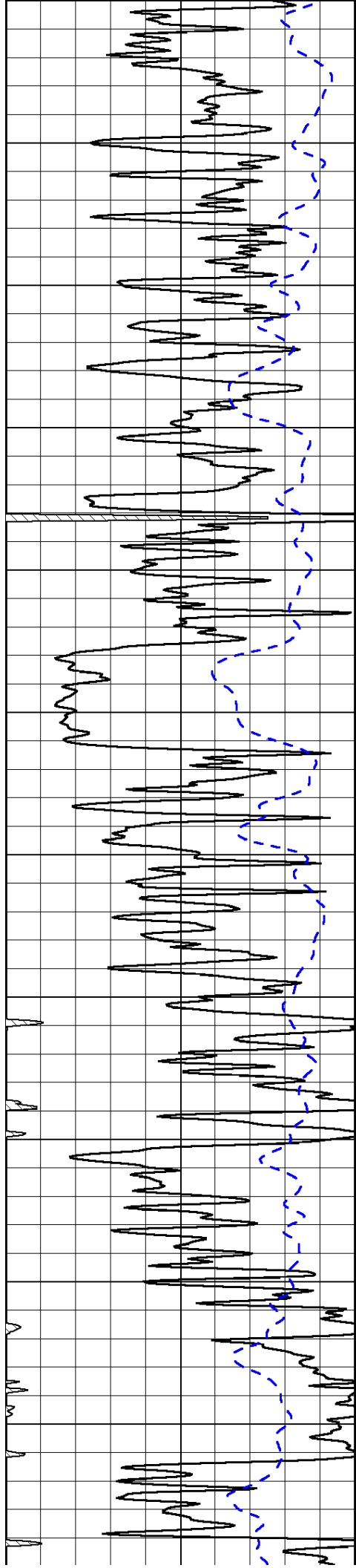
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (Ohm-m)	0
15000	Line Tension (lb)	0
	Shallow Resistivity	
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500



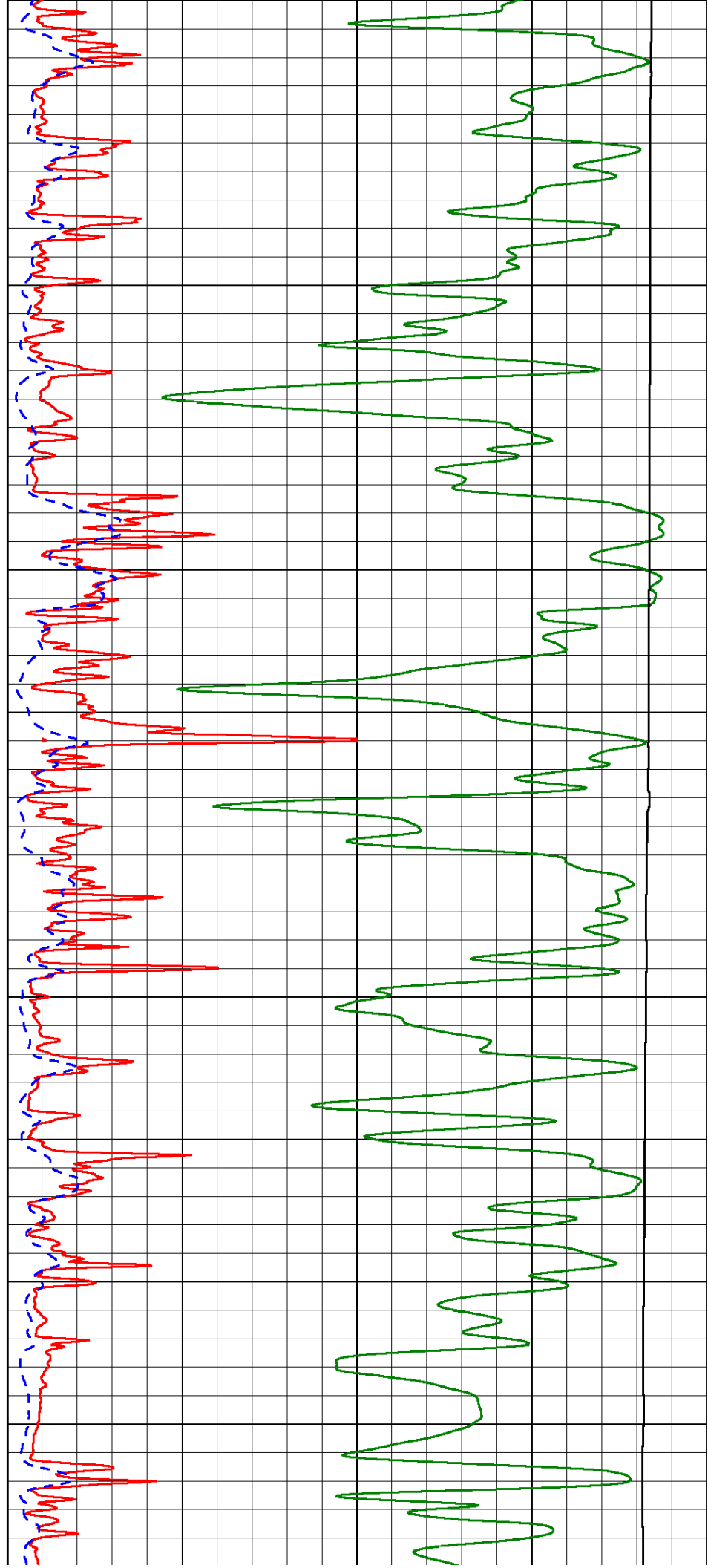


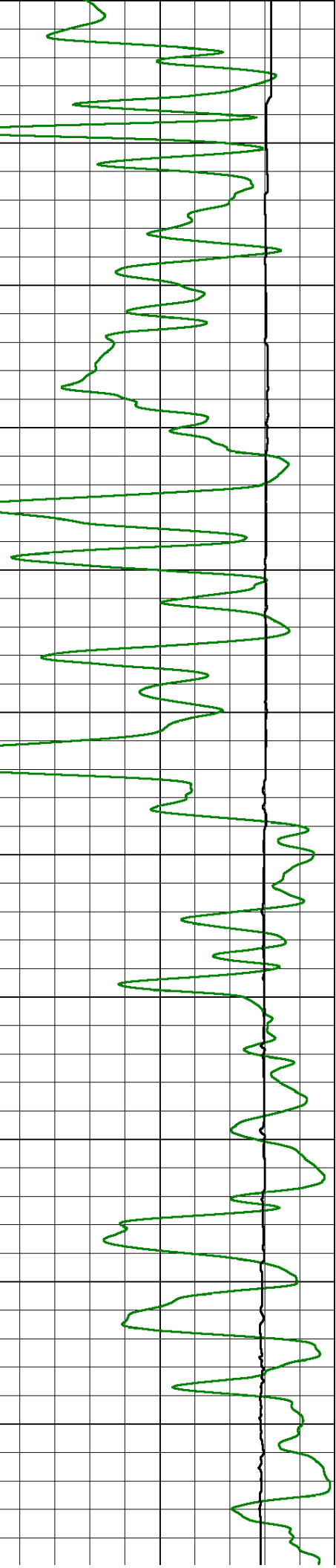
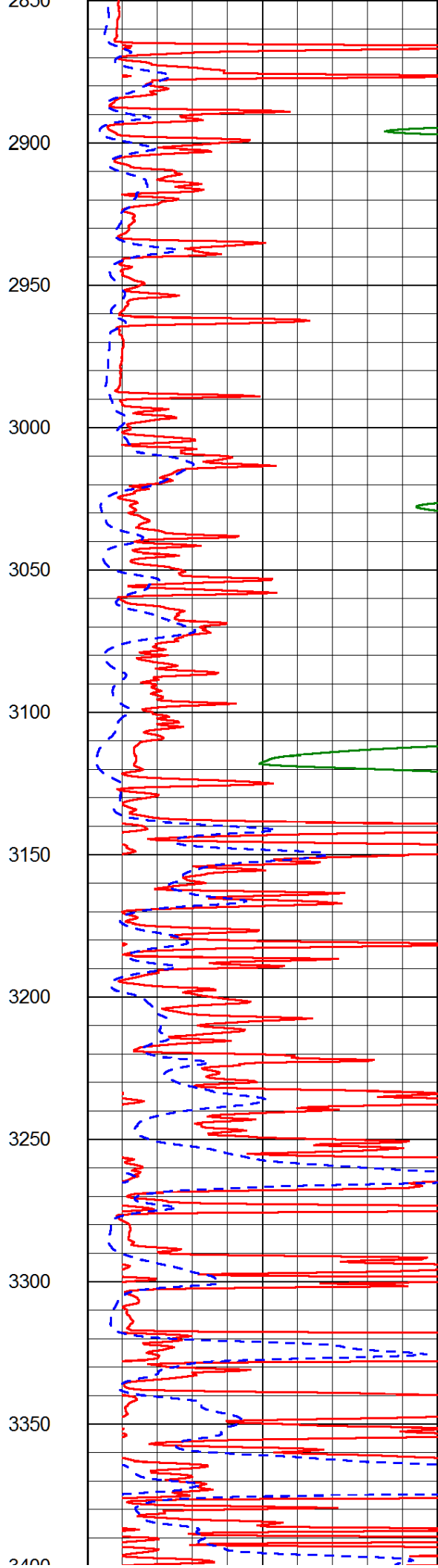
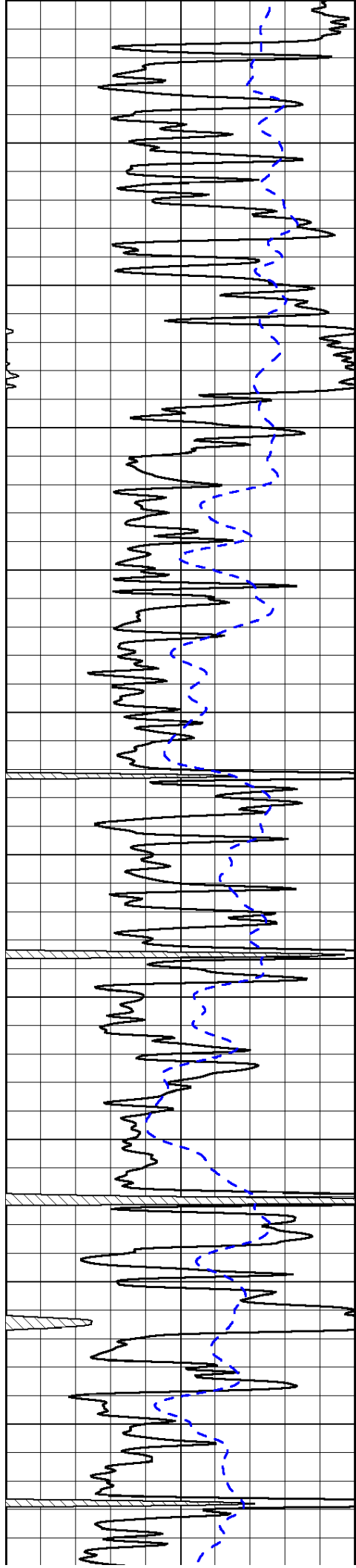


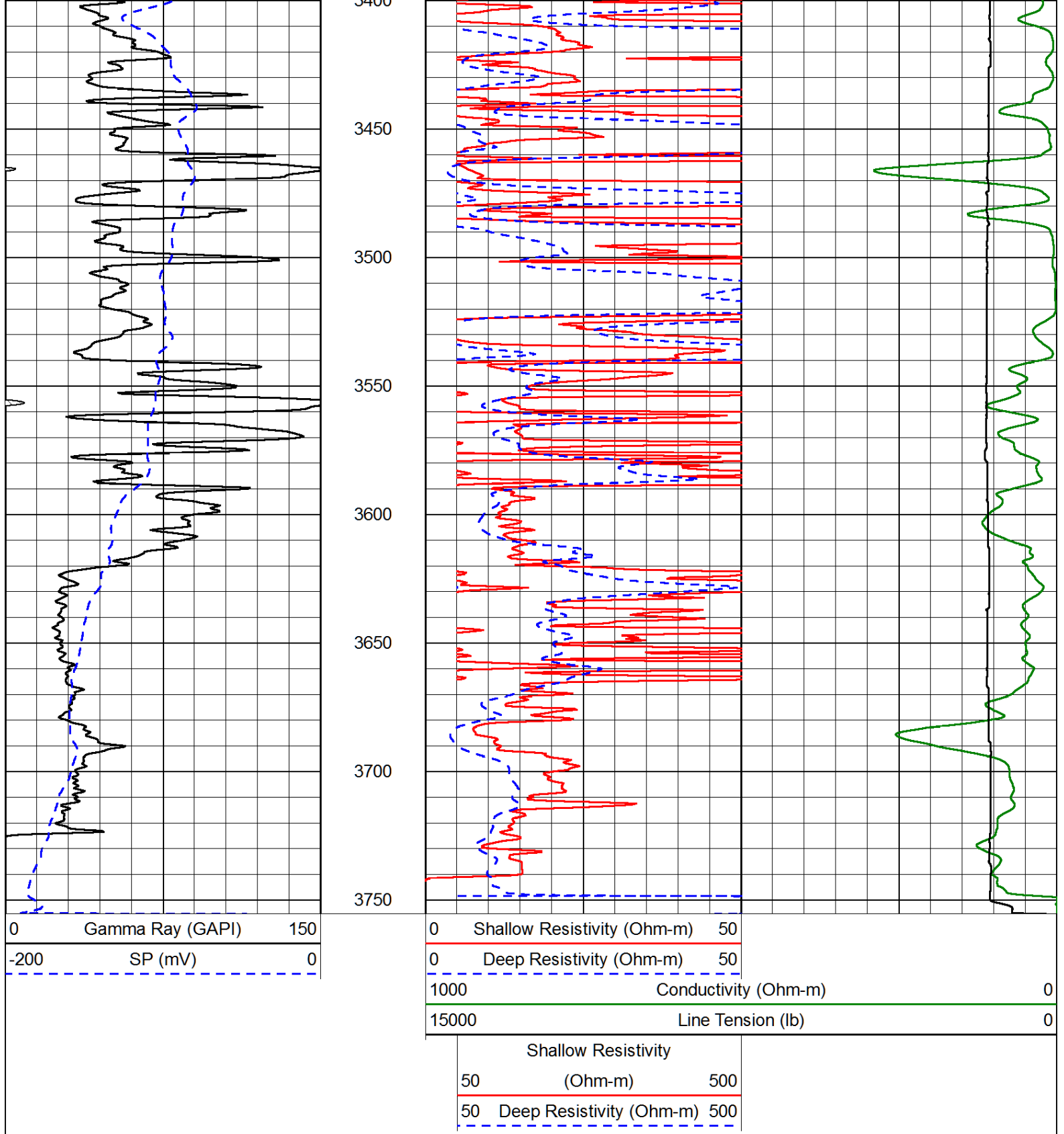




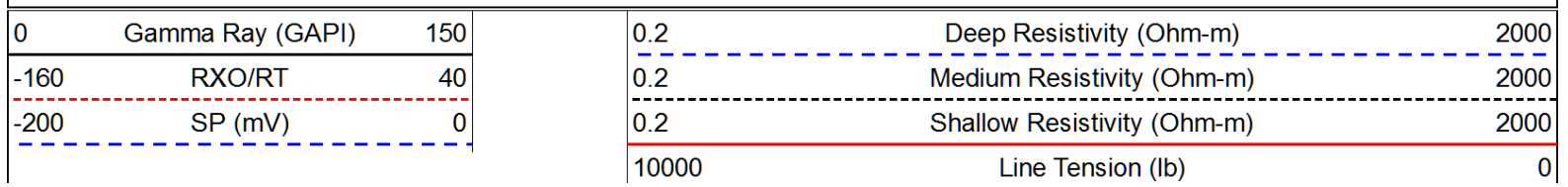
2300
2350
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850

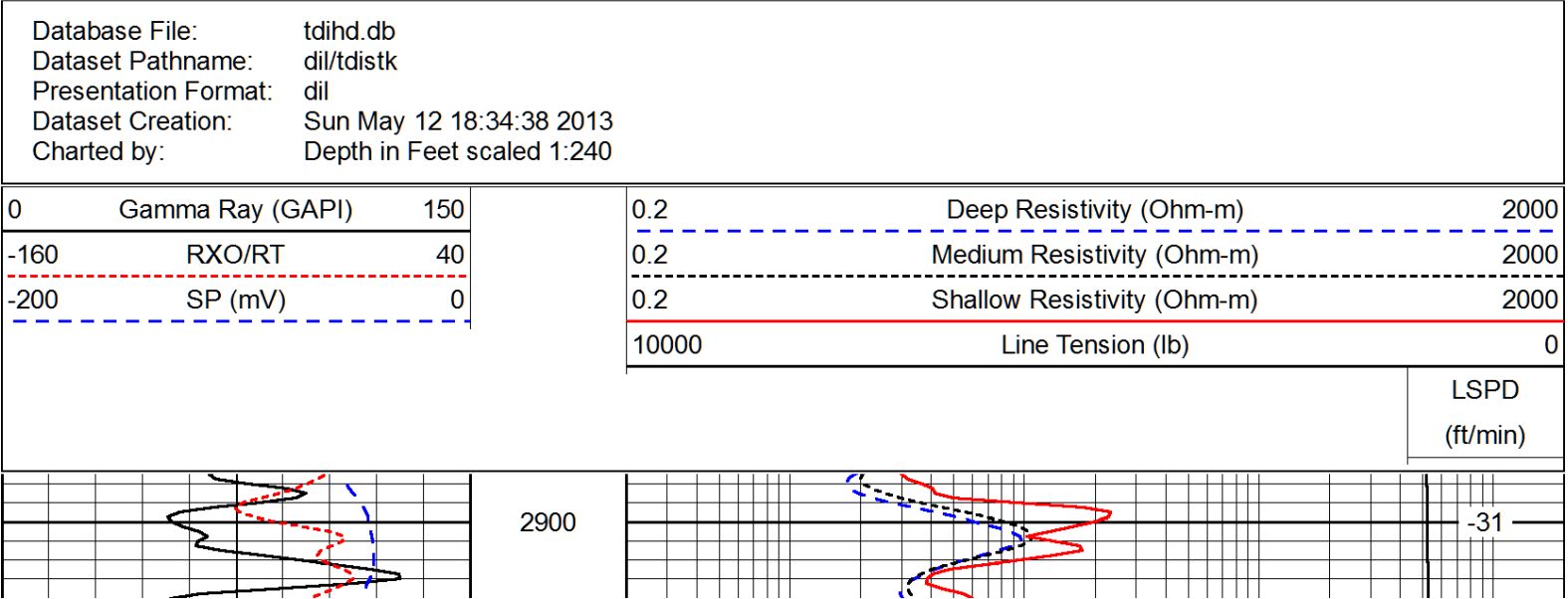
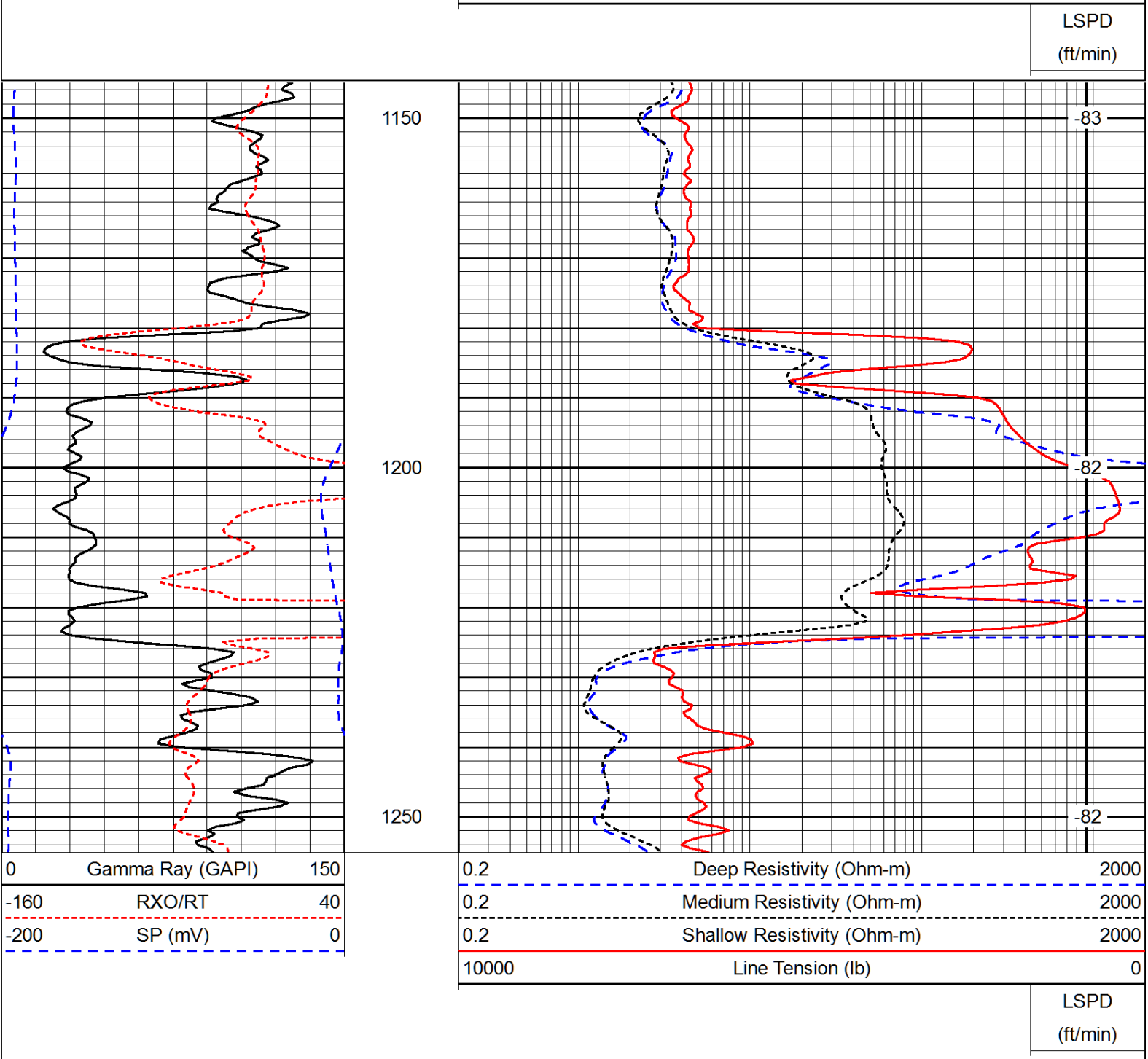


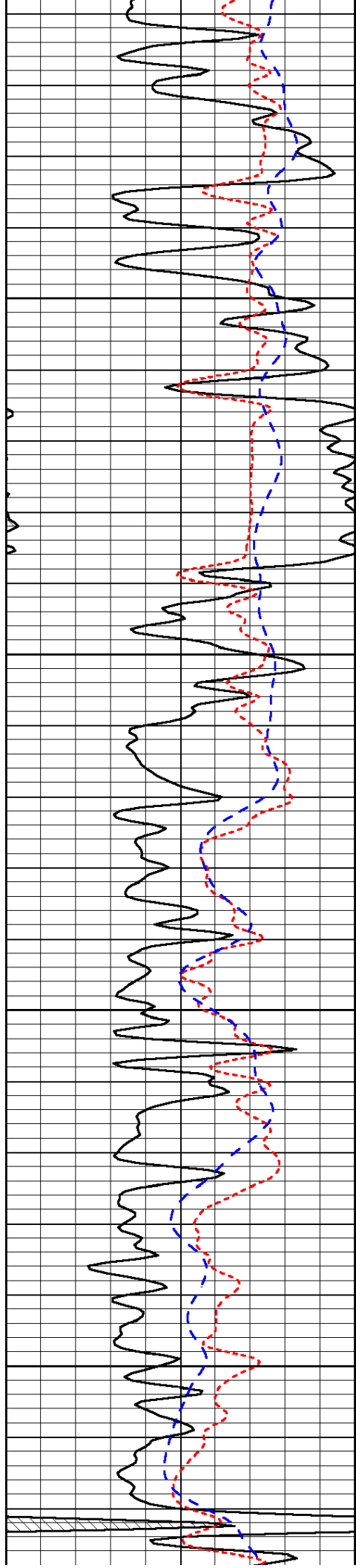




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Presentation Format: dil
Dataset Creation: Sun May 12 18:34:38 2013
Charted by: Depth in Feet scaled 1:240





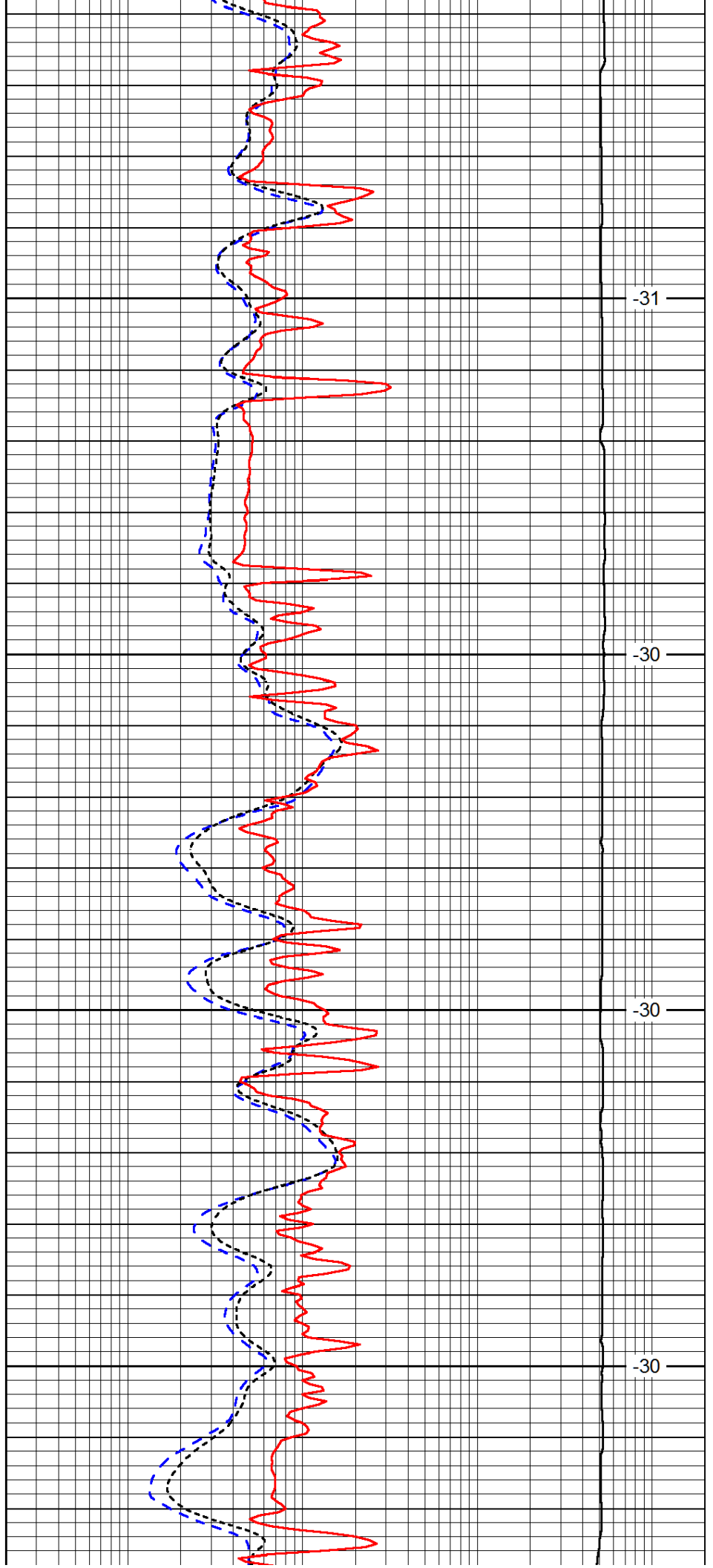


2950

3000

3050

3100

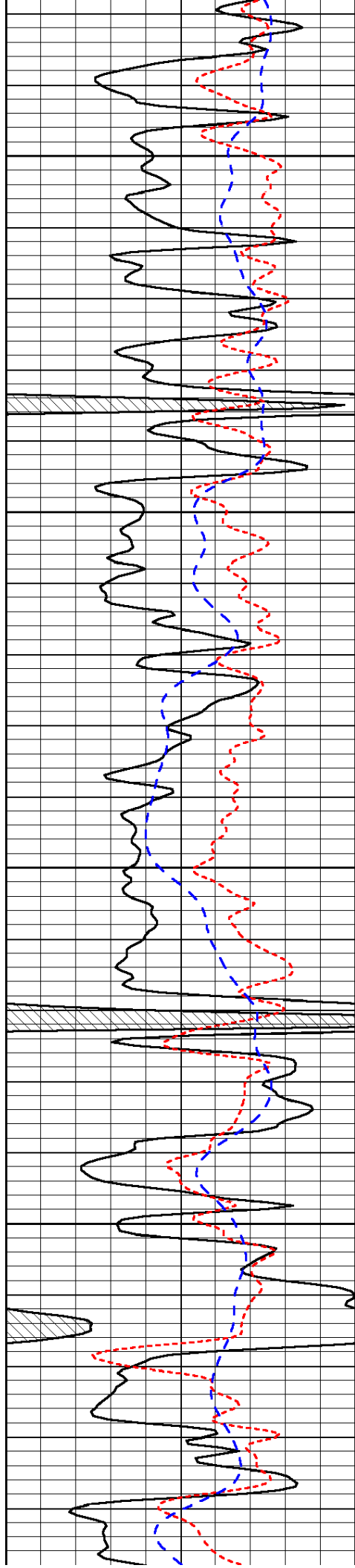


-31

-30

-30

-30

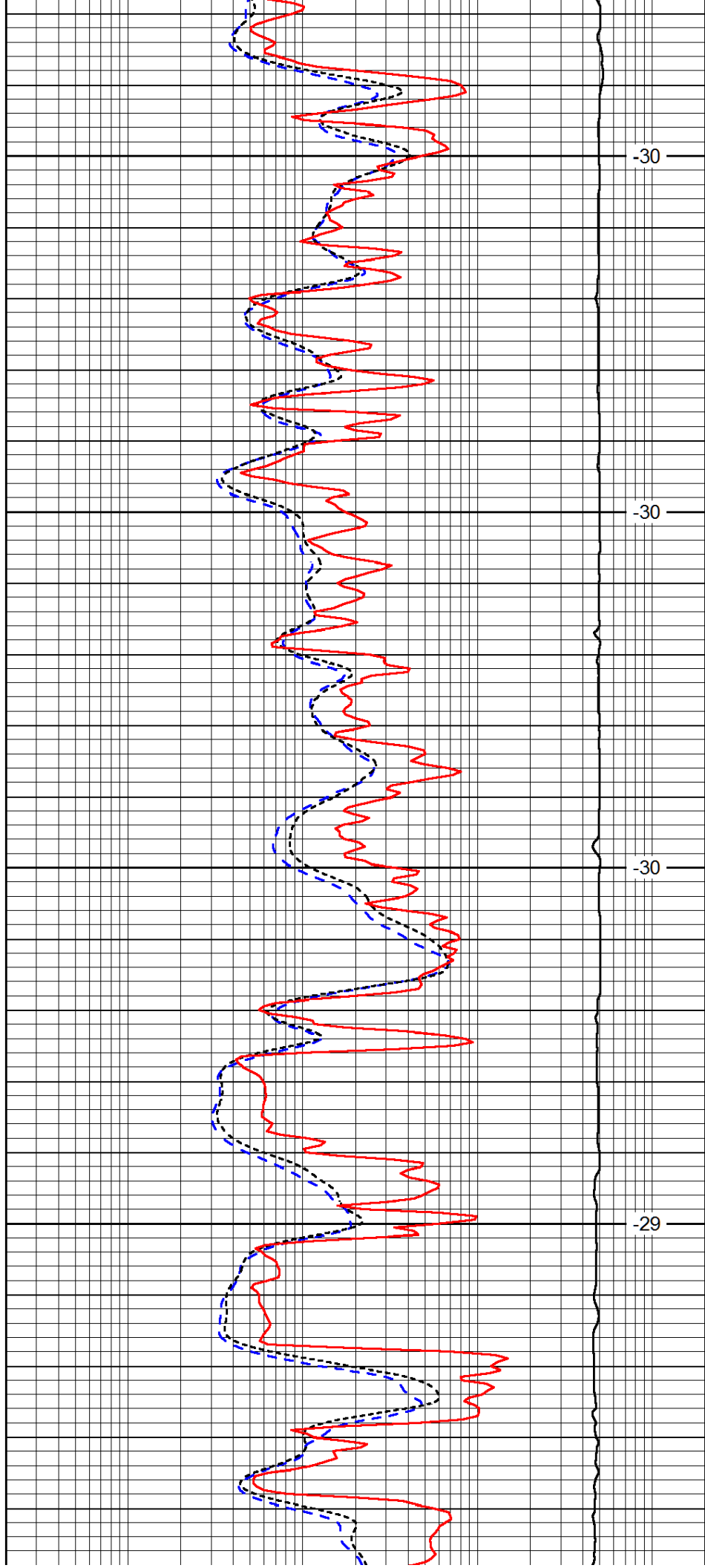


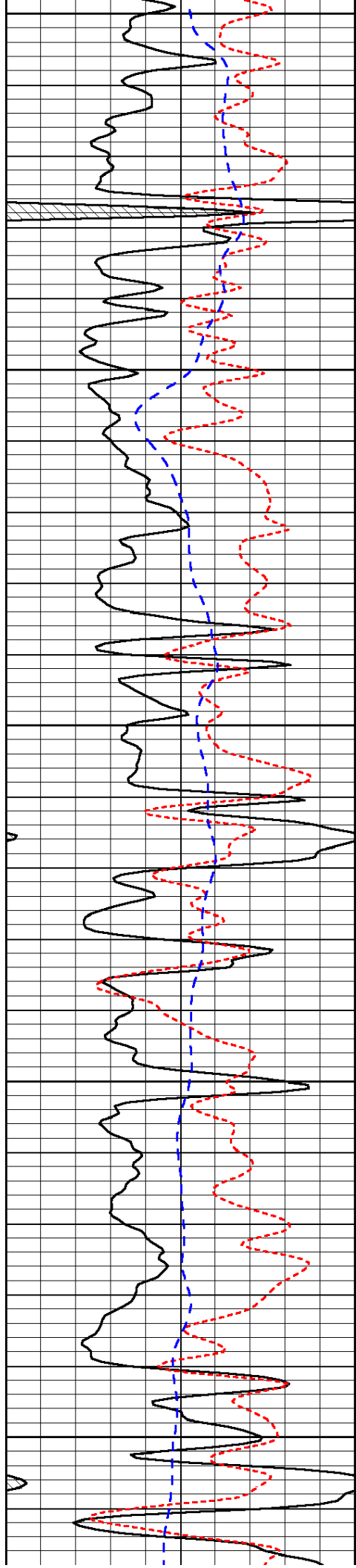
3150

3200

3250

3300





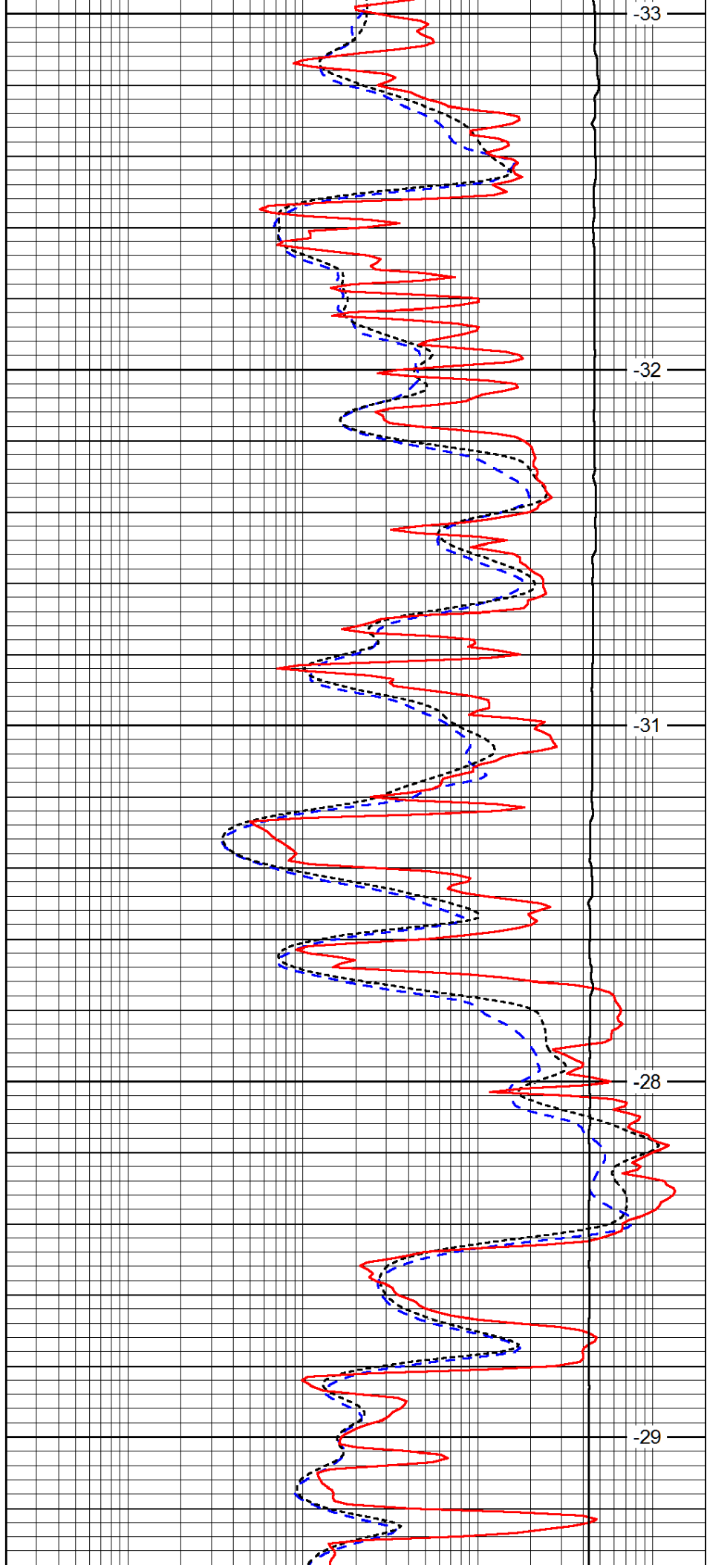
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3400

3450

3500

3550



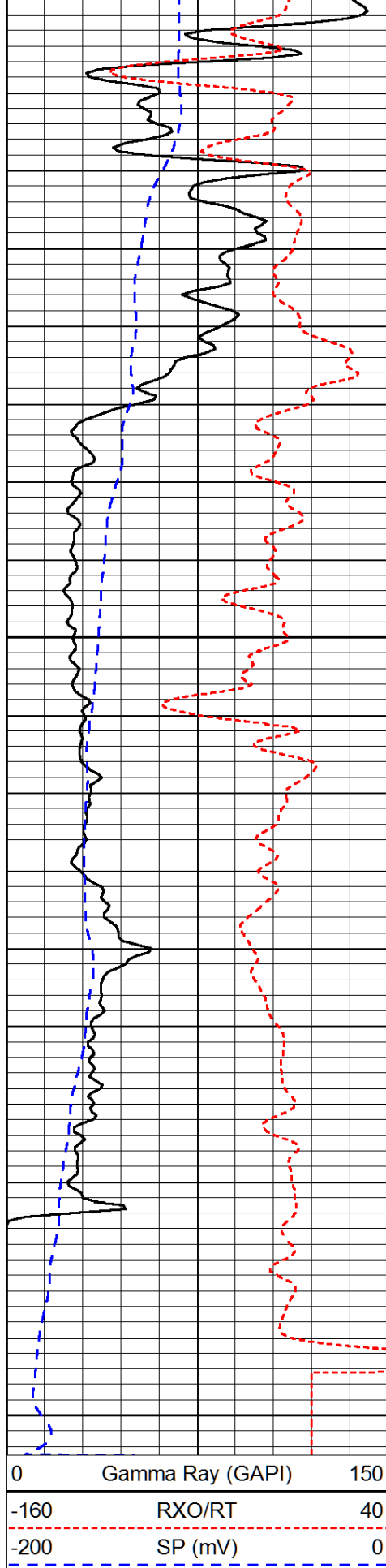
-33

-32

-31

-28

-29

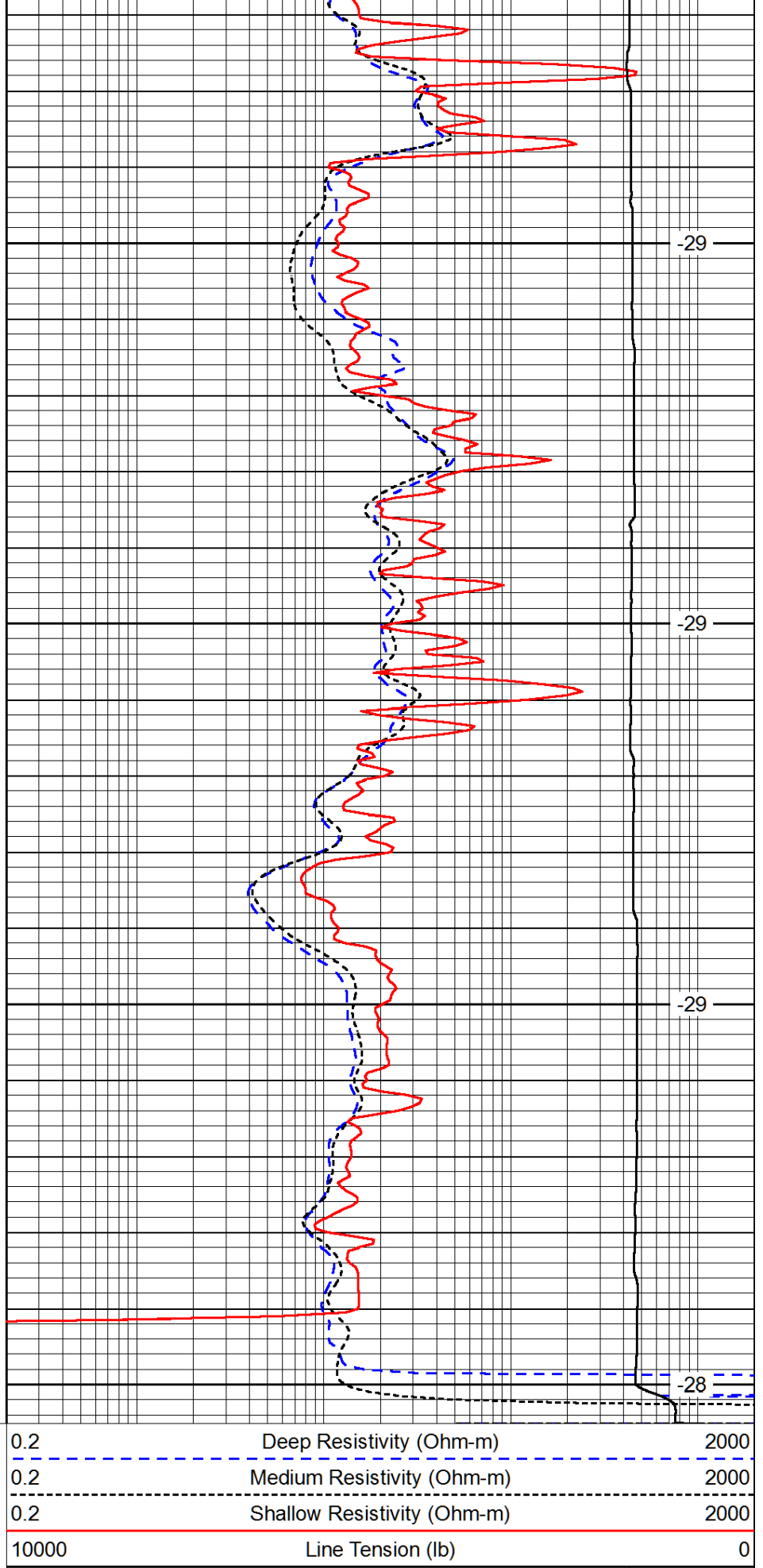


3600

3650

3700

3750



-29

-29

-29

-28

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)