



Dual Induction Log

Pioneer Energy Services

API No.

15-051-26497-00-00

Company **Staab Oil Company**

Well **Furthmeyer #1**

Field **Unnamed**

County

Ellis

State

Kansas

Location

980' FNL & 1125' FWL

Other Services
CNL/CDL
MEL

Sec: 29

Twp: 12S

Rge: 19W

Elevation

Permanent Datum
Log Measured From
Drilling Measured From

Ground Level
Kelly Bushing
Kelly Bushing

Elevation 2167
K.B. 2172
D.F. 2167
G.L. 2167

Date

03-25-2013

Run Number

One

Depth Driller

3910

Depth Logger

3907

Bottom Logged Interval

3906

Top Log Interval

200

Casing Driller

8.625 @ 210

Casing Logger

210

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

1900

Density / Viscosity

9.4

56

pH / Fluid Loss

10.0

8.0

Source of Sample

Flowline

Rm @ Meas. Temp

0.75 @ 54

Rmf @ Meas. Temp

0.56 @ 54

54

Rmc @ Meas. Temp

1.01 @ 54

54

Source of Rmf / Rmc

Charts

Rm @ BHT

0.35 @ 117

117

Operating Rig Time

3 1/2 Hours

Max Rec. Temp. F

117

Equipment Number

91

Location

Hays

D.Schmidt

Recorded By

Frank Staab

Witnessed By

Randy Kilian

<<< Fold Here >>>

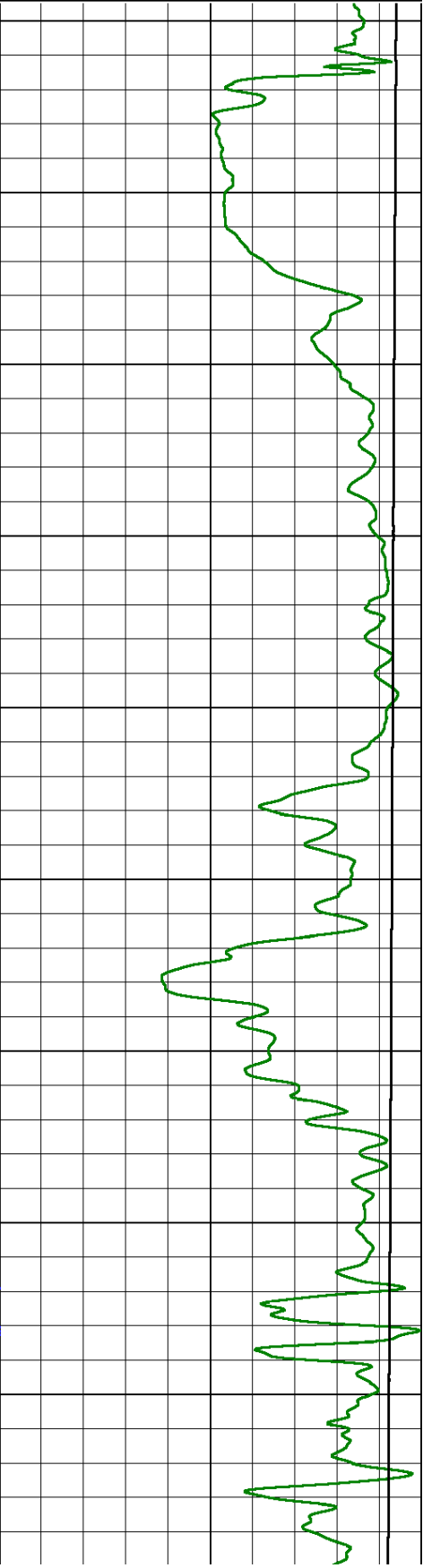
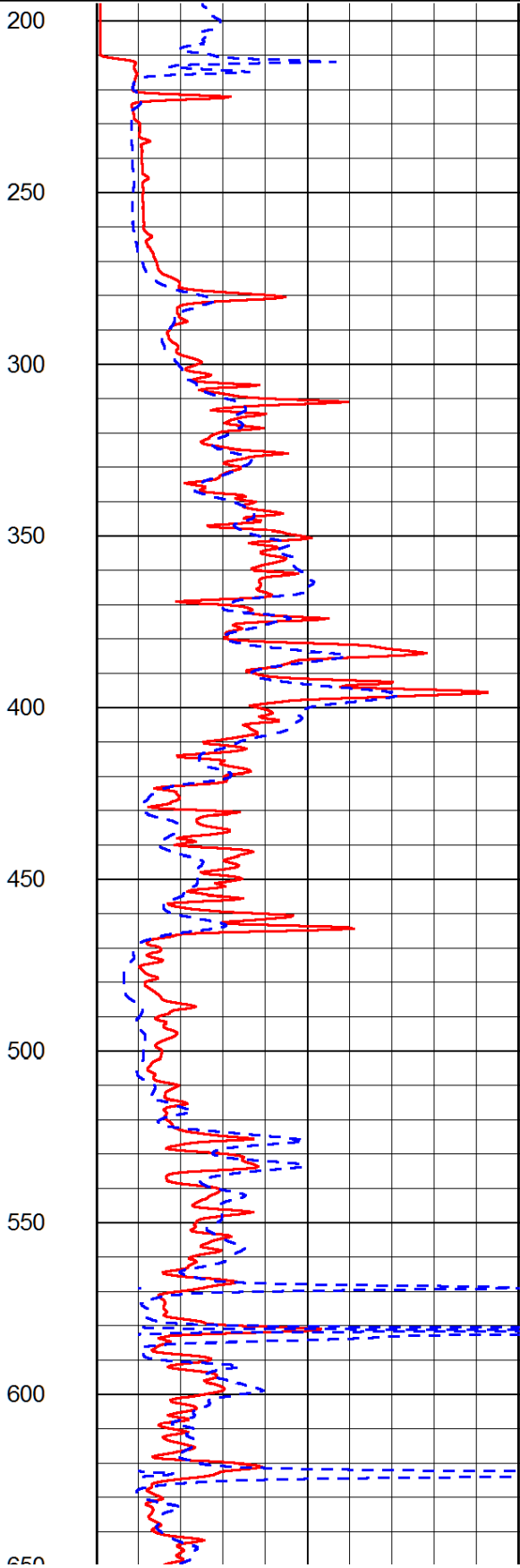
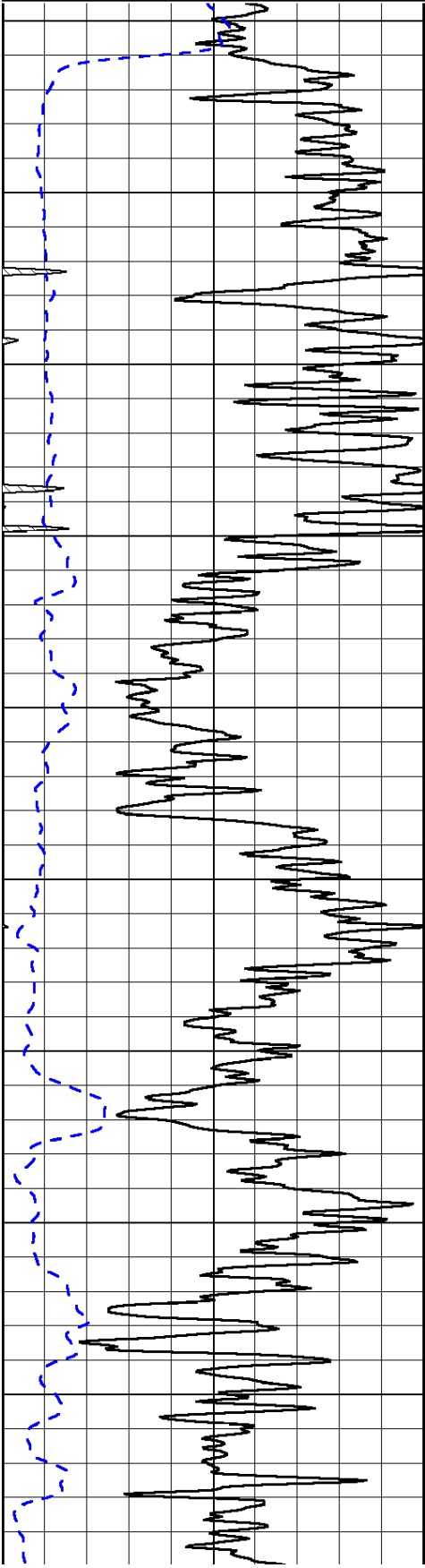
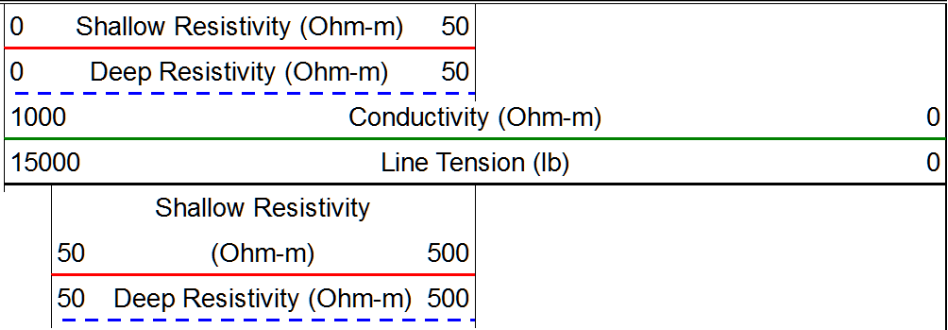
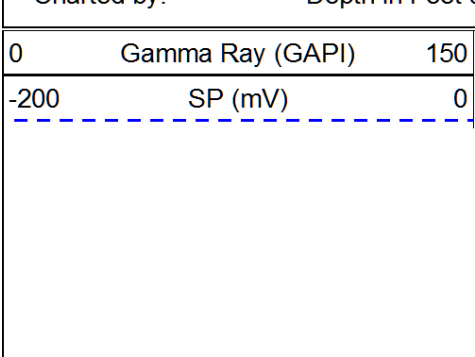
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

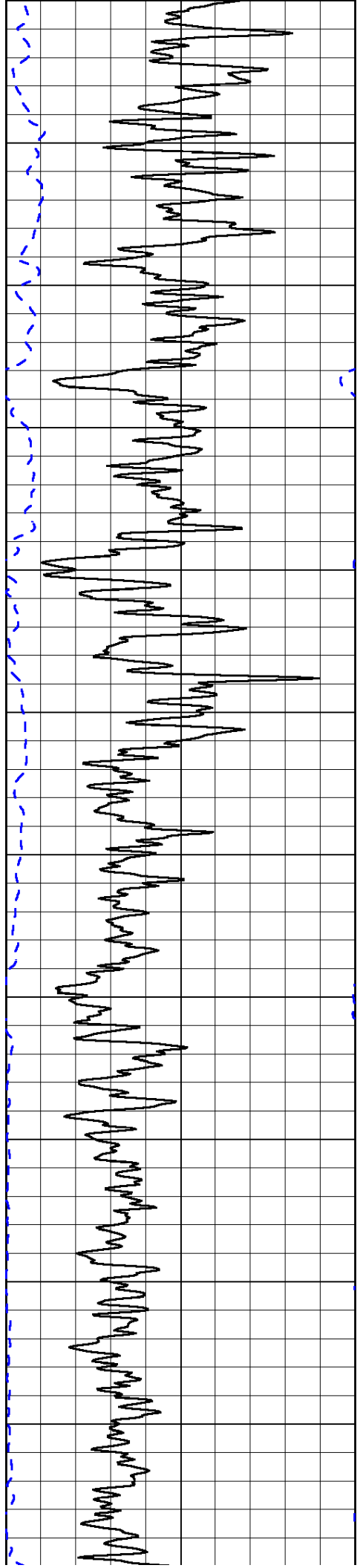
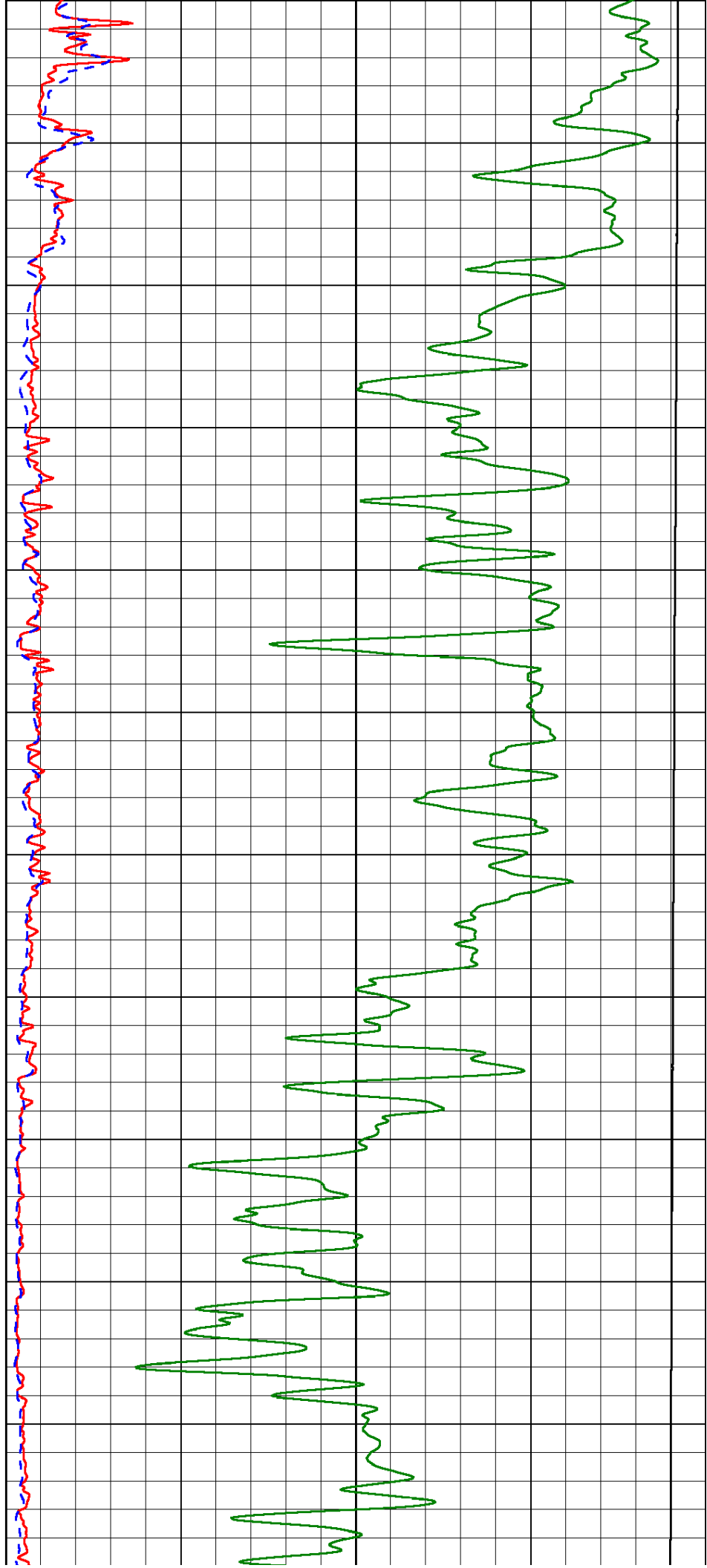
Thank you for using Log-Tech, Inc.
(785) 625-3858

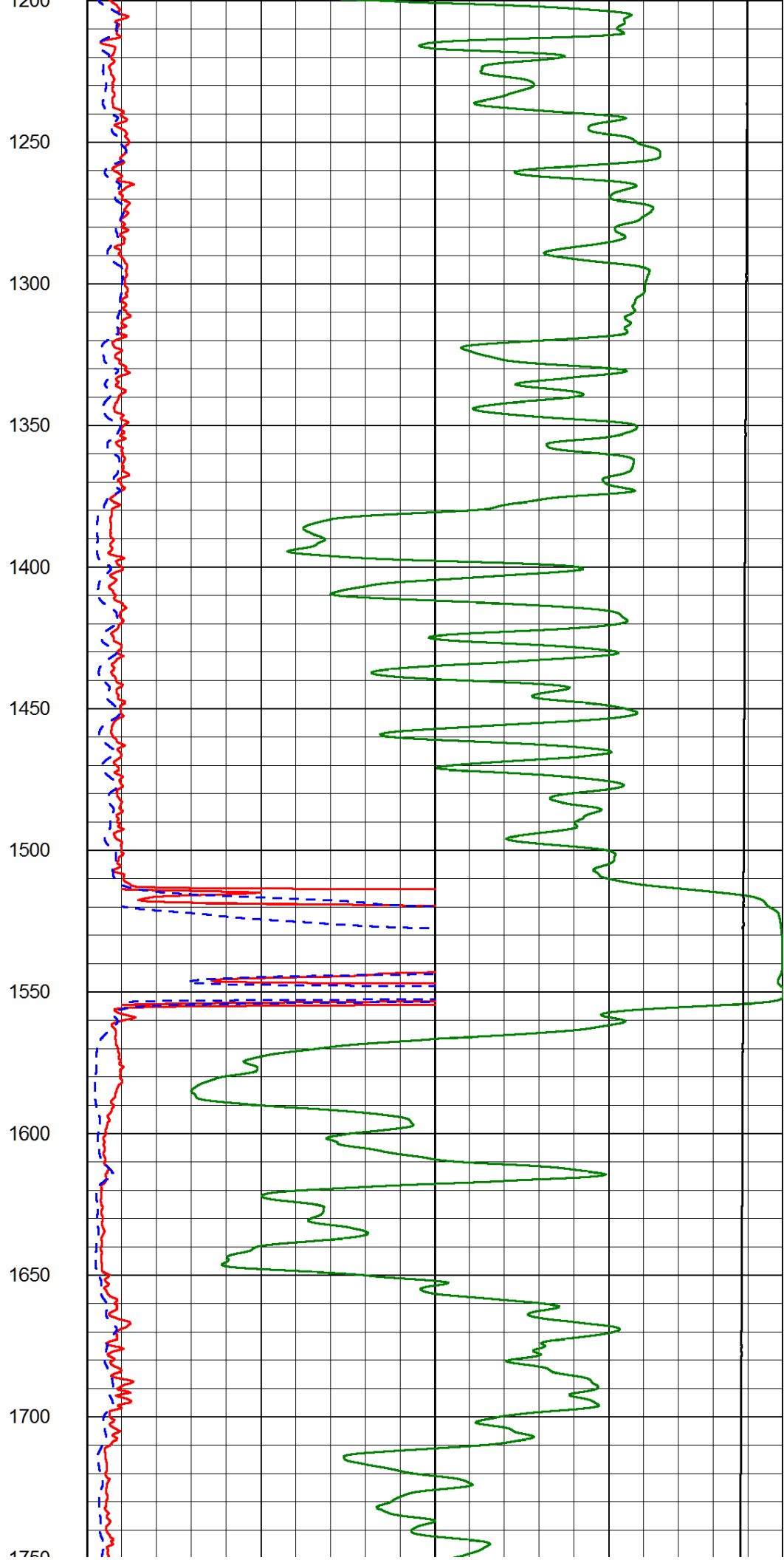
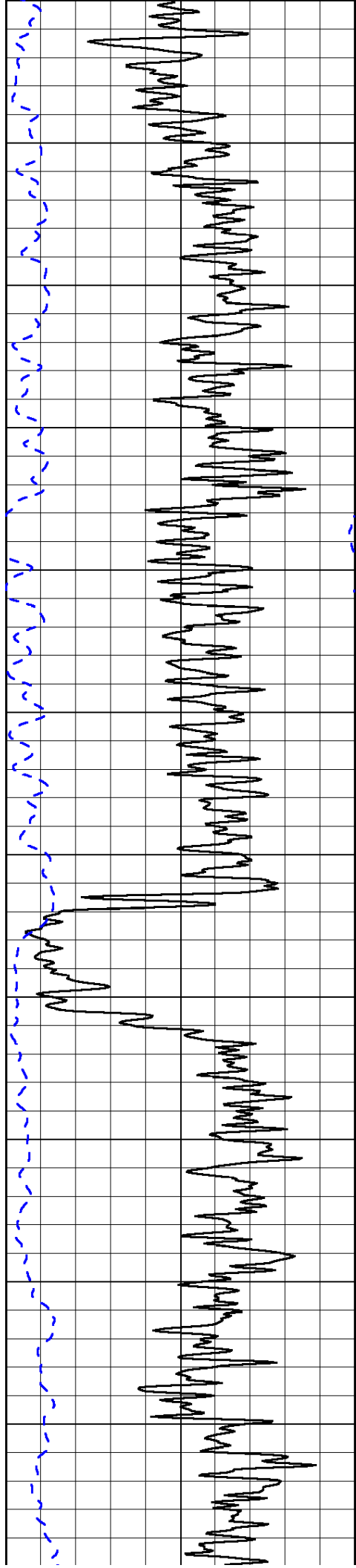
Yocemento,
4 North to Locust Grove, 1 3/4 West,
South into

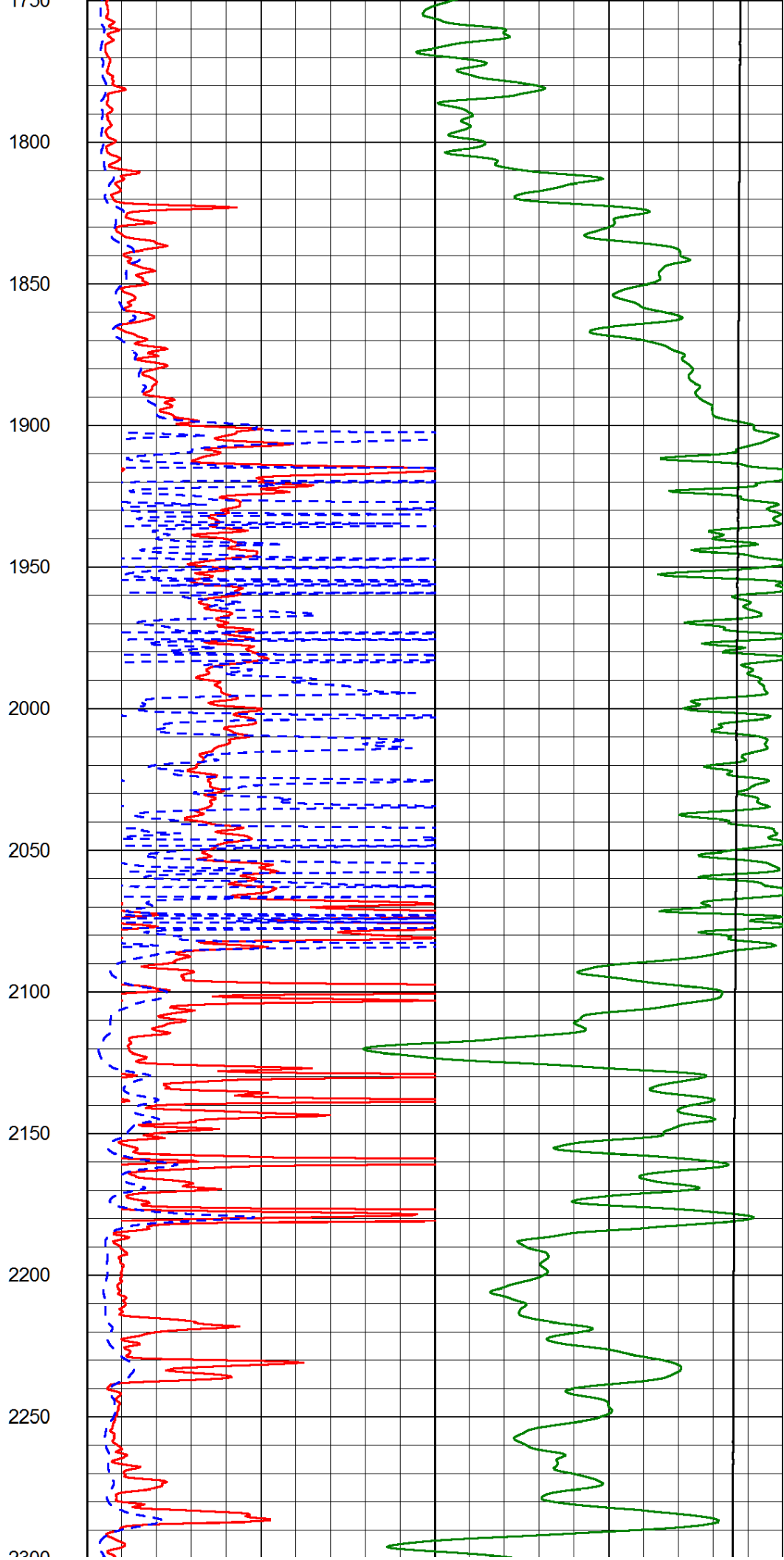
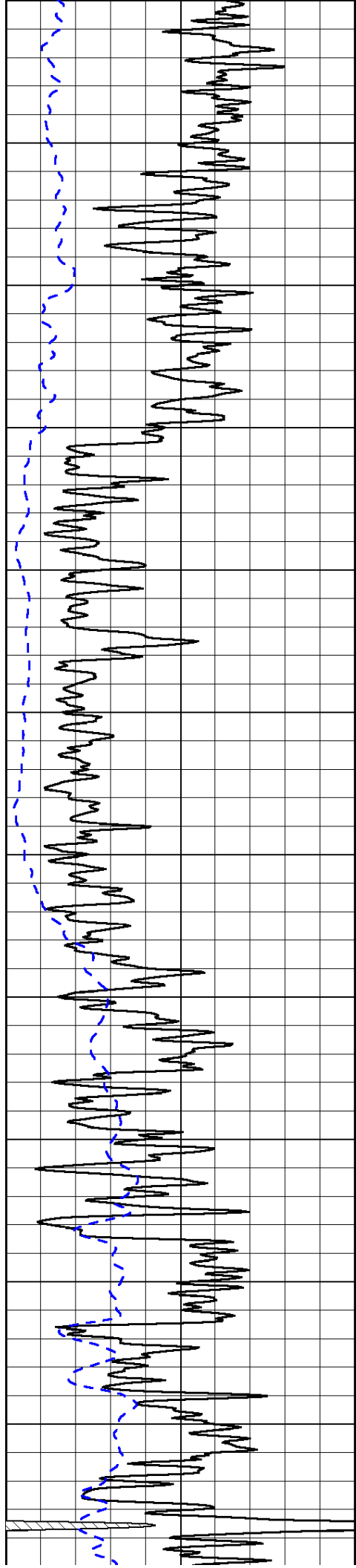
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Presentation Format: dil2in
Dataset Creation: Mon Mar 25 21:46:24 2013
Charted by: Depth in Feet scaled 1:600

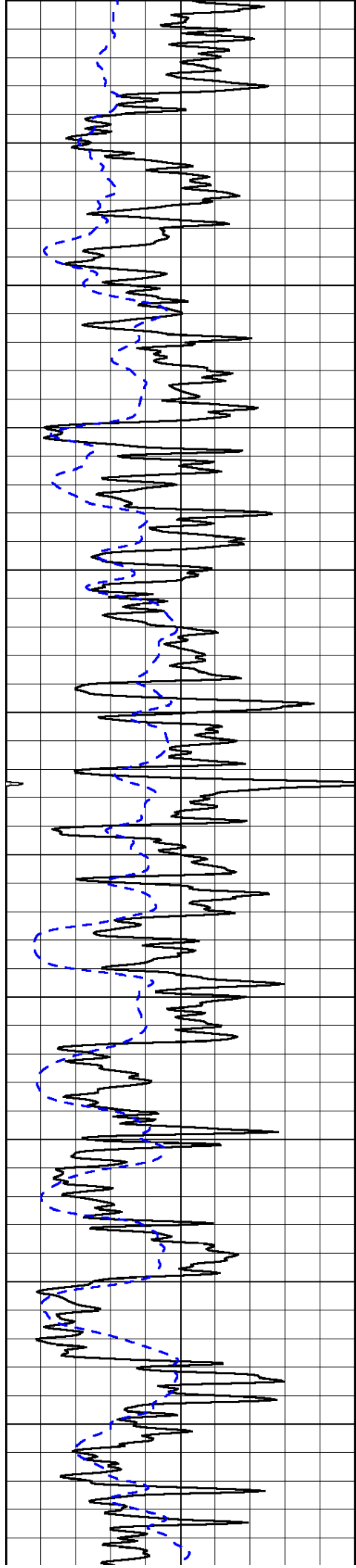


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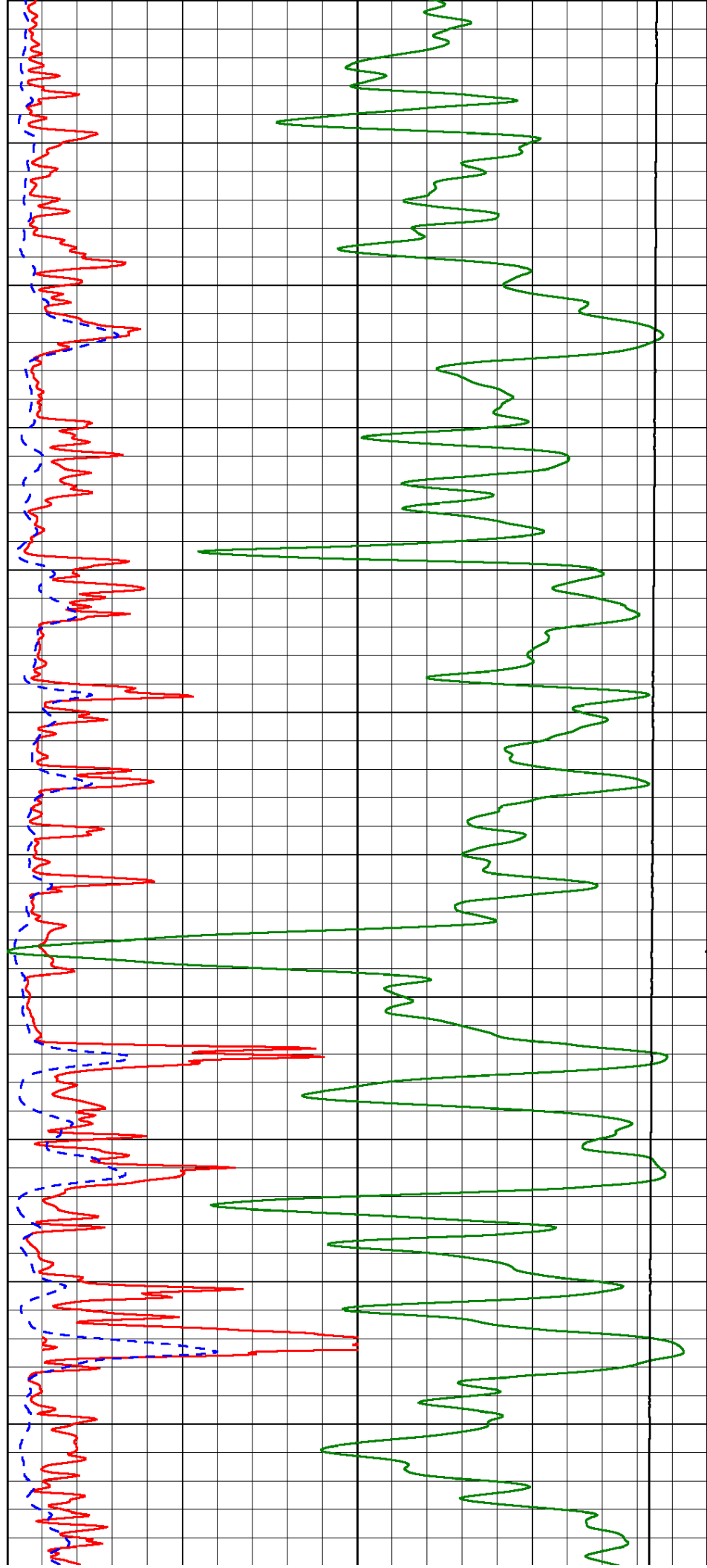


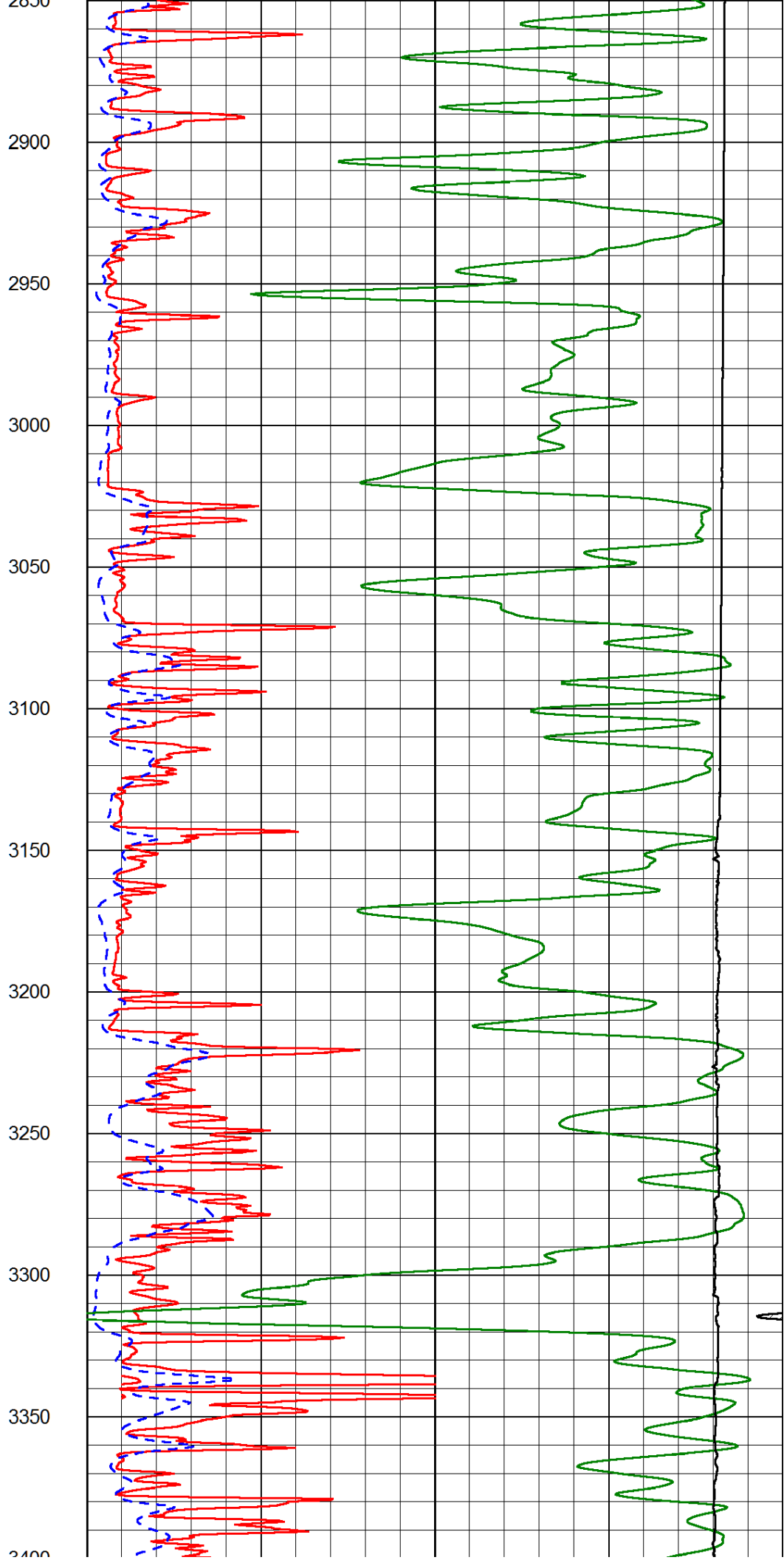
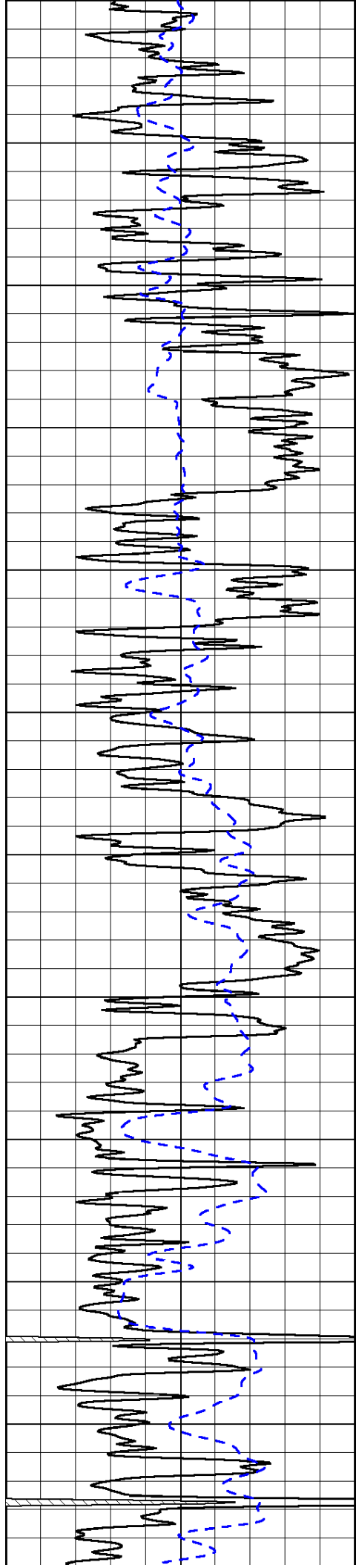


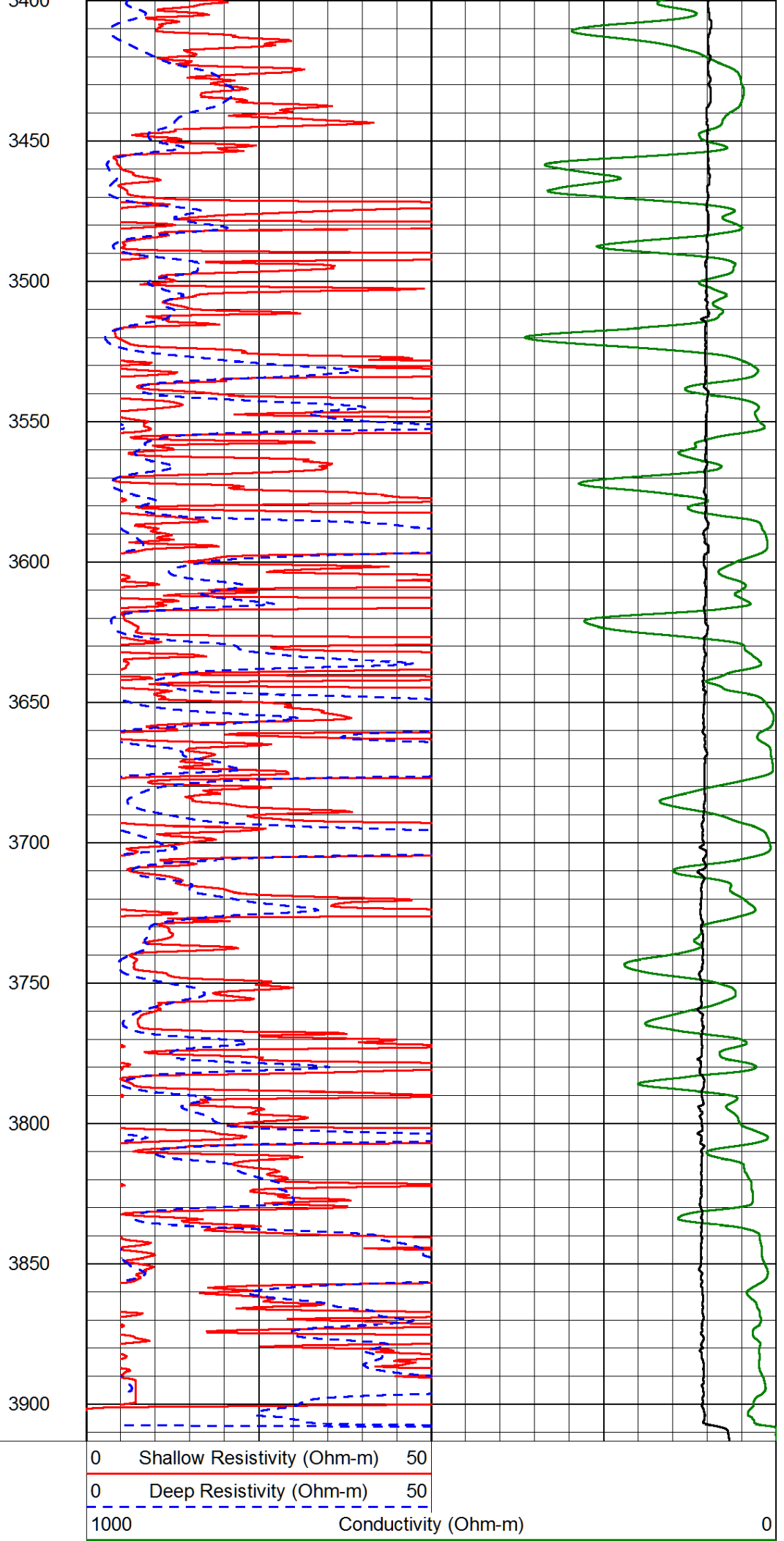
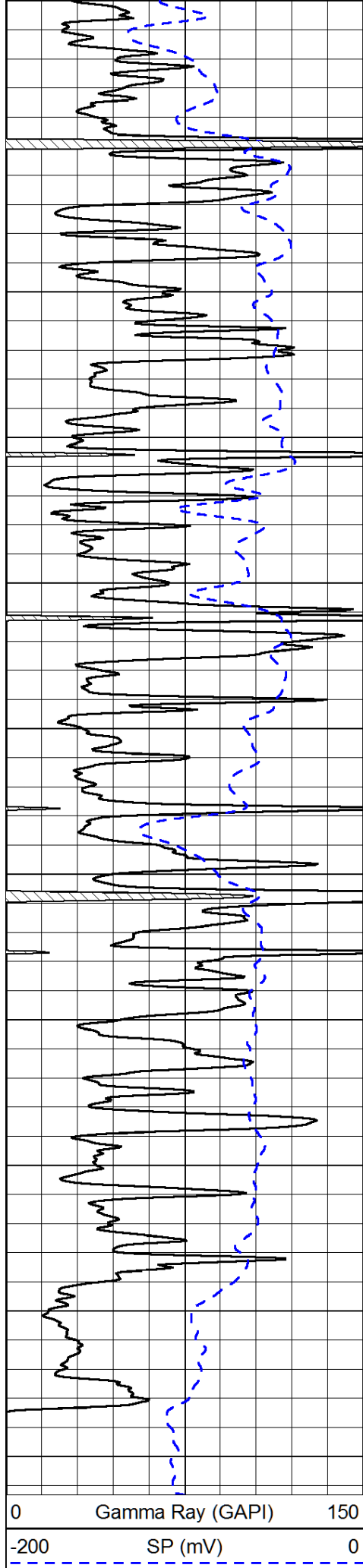




2300
2350
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850







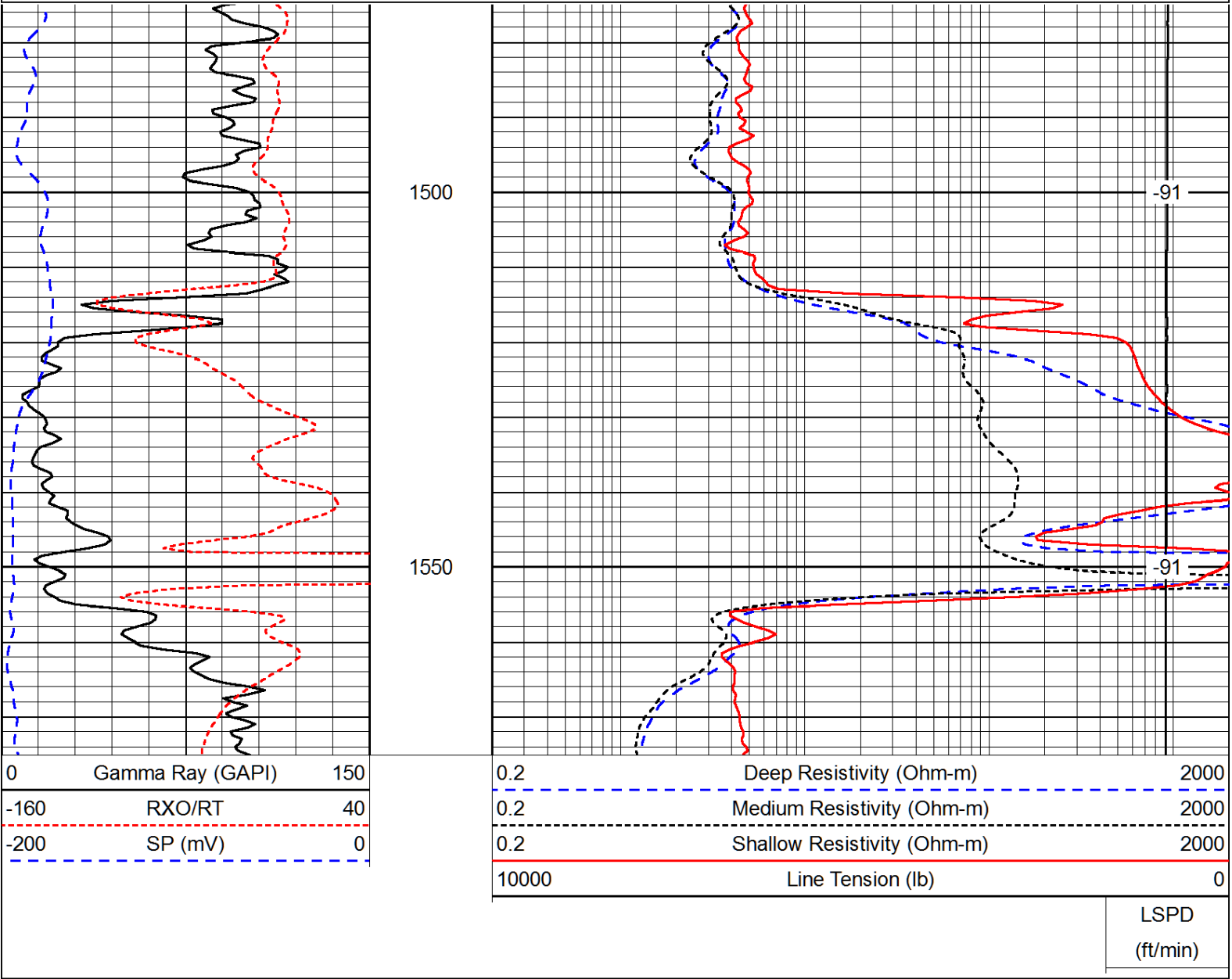
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	Shallow Resistivity		
	50	(Ohm-m)	500
	50	Deep Resistivity (Ohm-m)	500

Database File:	staab_032513hd.db
Dataset Pathname:	dil/stbstk
Presentation Format:	dil
Dataset Creation:	Mon Mar 25 21:46:24 2013
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

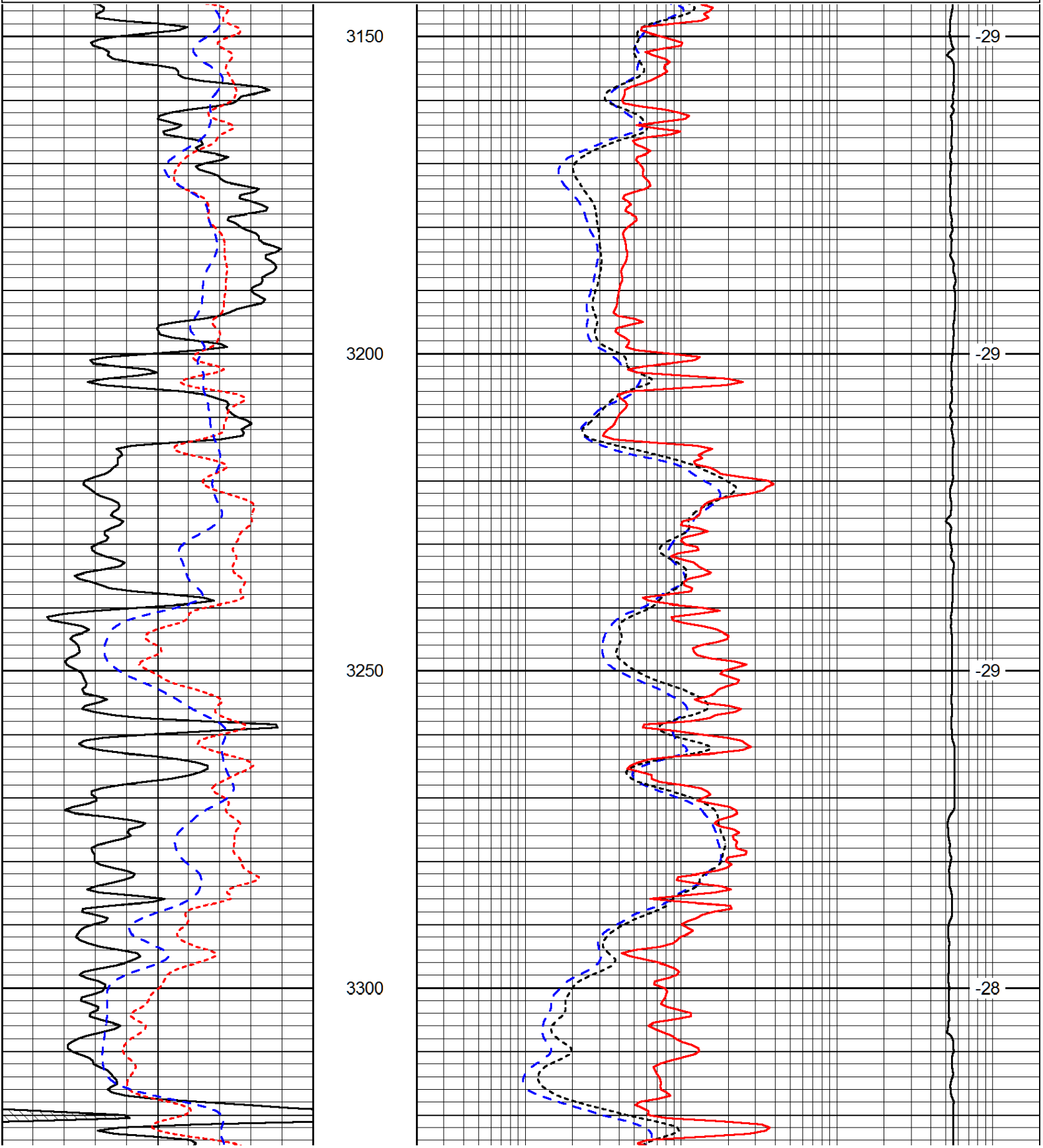
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0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

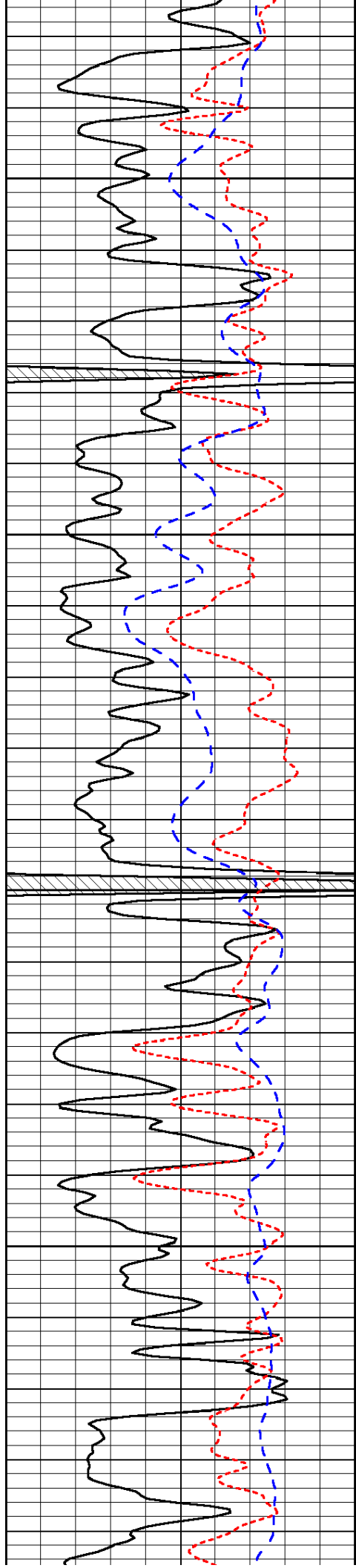
LSPD
(ft/min)



Database File:	staab_032513hd.db
Dataset Pathname:	dil/stbstk
Presentation Format:	dil

0	Gamma Ray (GAPI)	150	0.2	Deep Resistivity (Ohm-m)	2000
-160	RXO/RT	40	0.2	Medium Resistivity (Ohm-m)	2000
-200	SP (mV)	0	0.2	Shallow Resistivity (Ohm-m)	2000
			10000	Line Tension (lb)	0
					LSPD (ft/min)



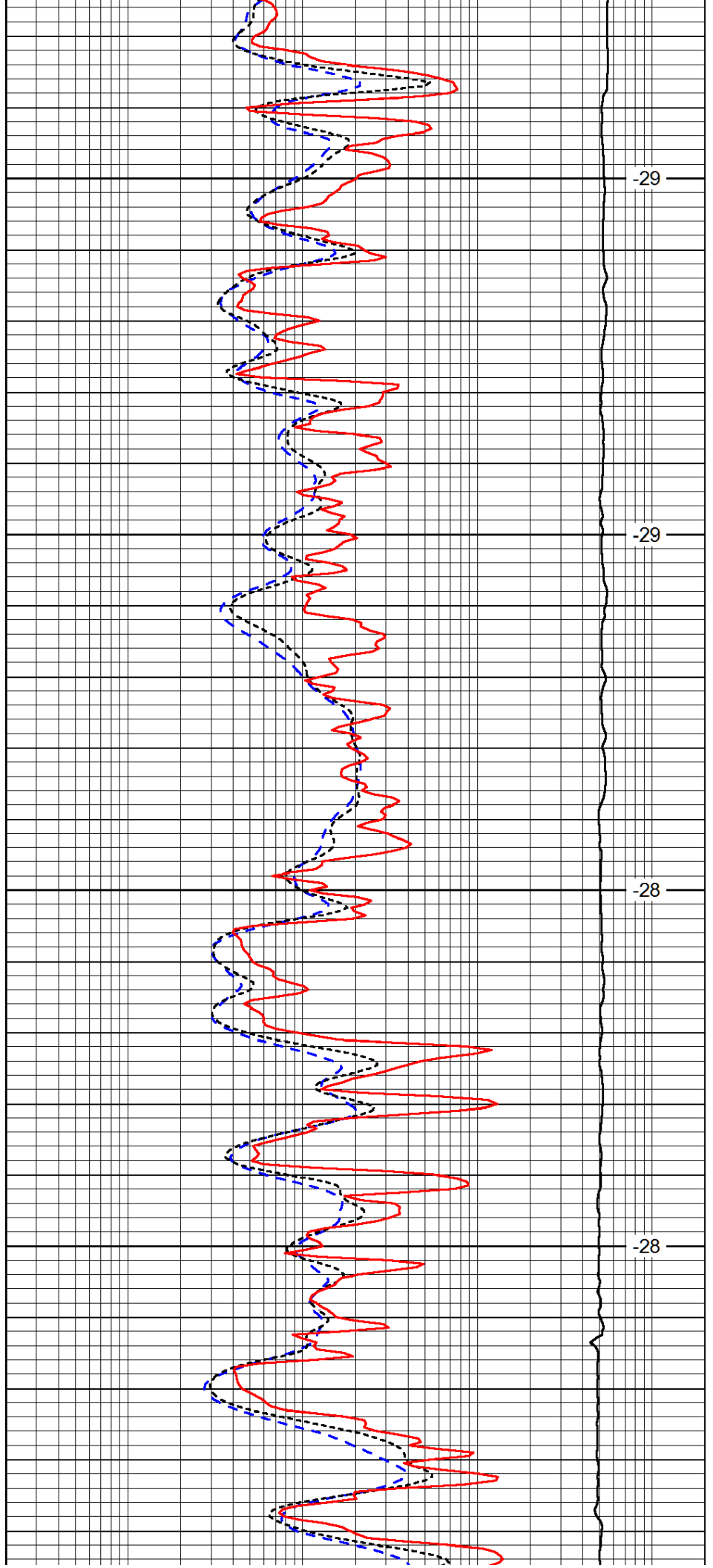


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3400

3450

3500

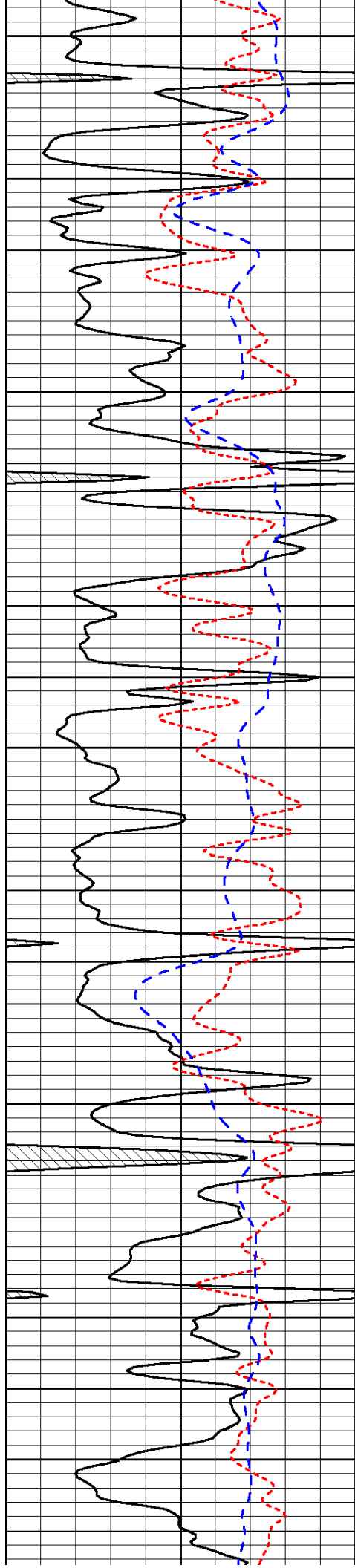


-29

-29

-28

-28



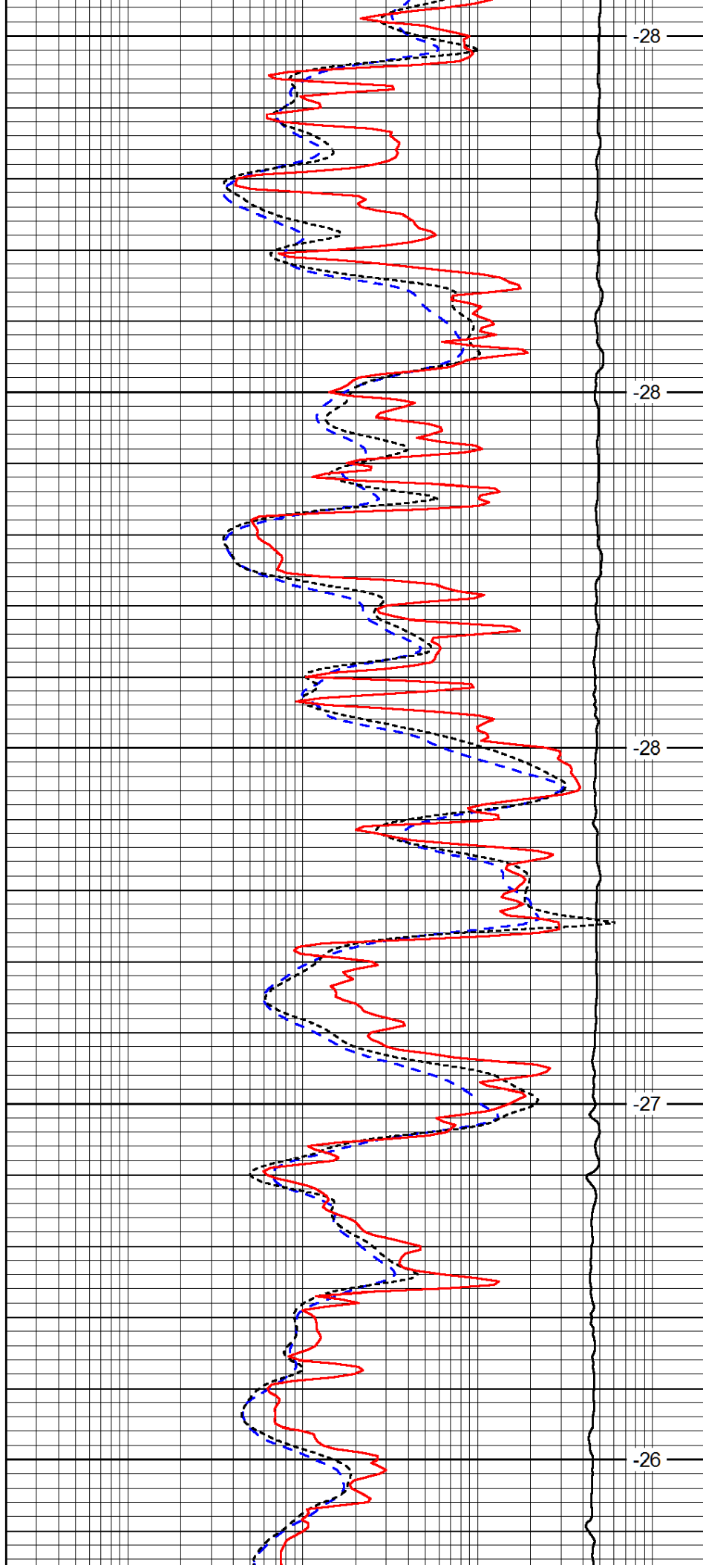
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3600

3650

3700

3750



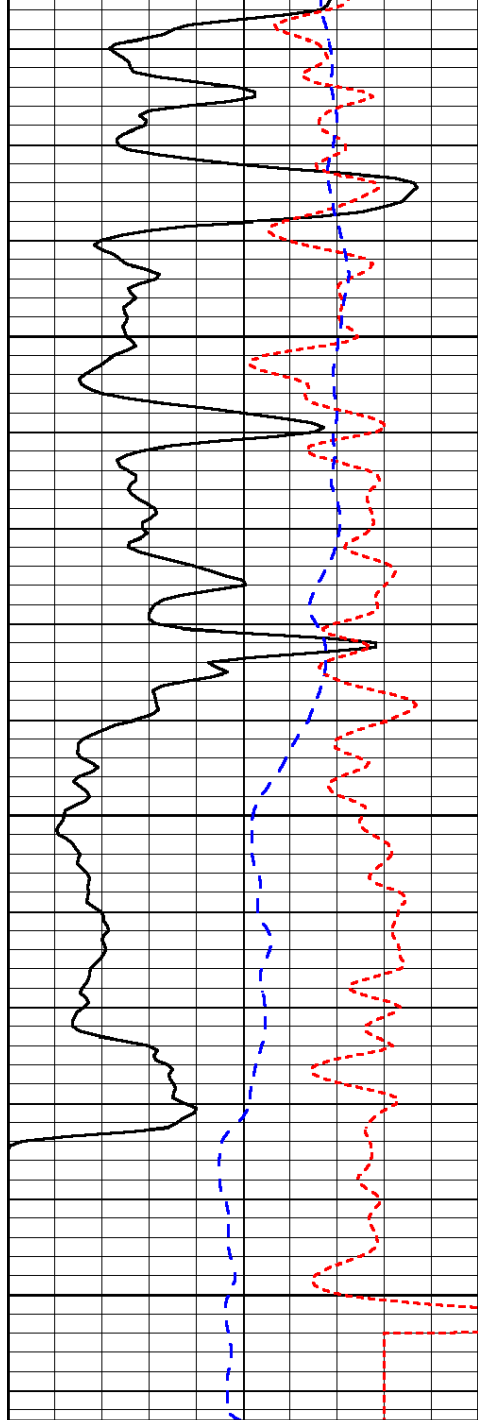
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-28

-28

-27

-26

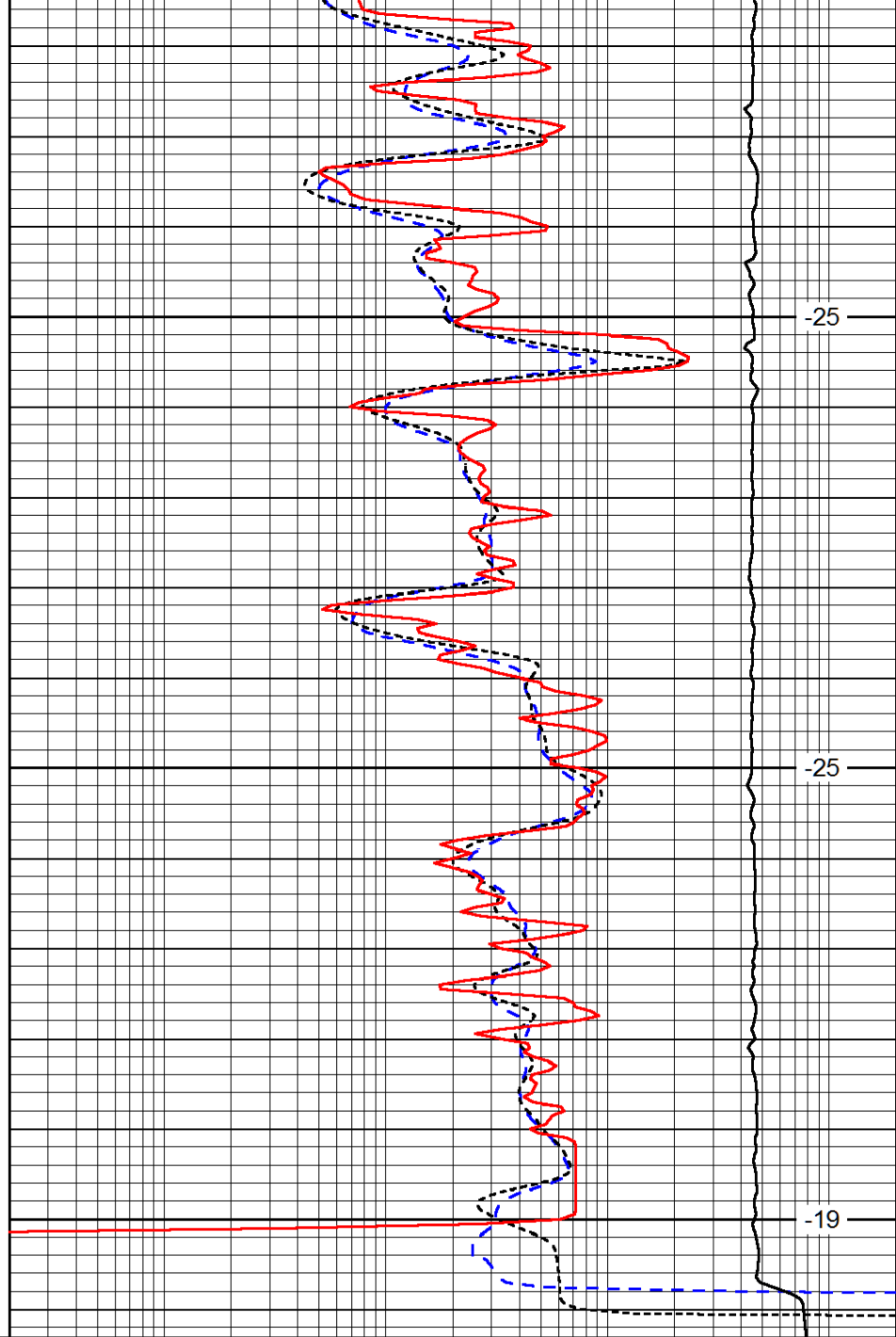


0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

3800

3850

3900



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)