



Dual Induction Log

Pioneer Energy Services

API No.

15-185-23,805-00-00

Company L.D. Drilling, Inc.

Well Mary Ann #1-14

Field Wildcat

County Stafford

State

Kansas

Location

1526' FSL 1369' FEL

Sec: 14

Twp: 23S

Rge: 13W

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation 1874

Other Services
CNL/CDL
MEL
Elevation
K.B. 1879
D.F. 1874
G.L. 1874

Date

4/23/2013

Run Number

One

Depth Driller

4000

Depth Logger

4002

Bottom Logged Interval

4001

Top Log Interval

300

Casing Driller

8.625 @ 347

Casing Logger

345

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity,ppm CL

8000

Density / Viscosity

8.9 55

pH / Fluid Loss

9.5 10.8

Source of Sample

Flowline

Rm @ Meas. Temp

.35 @ 58

Rmf @ Meas. Temp

.26 @ 58

Rmc @ Meas. Temp

.47 @ 58

Source of Rmf / Rmc

Charts

Rm @ BHT

.18 @ 116

Operating Rig Time

4 Hours

Max Rec. Temp. F

116

Equipment Number

15

Location

Hays

Recorded By

D.Kerr

Witnessed By

Kim Shoemaker

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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

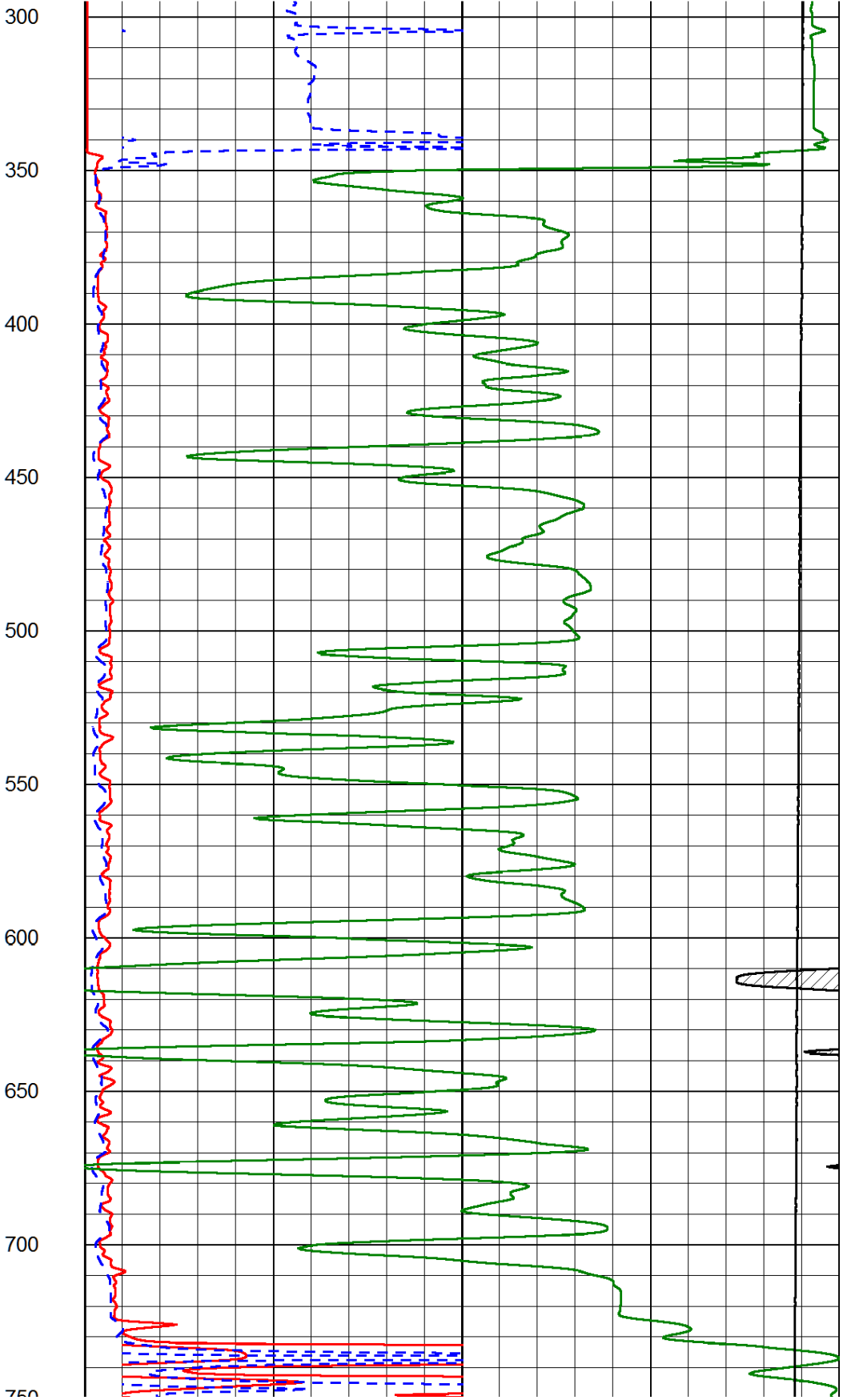
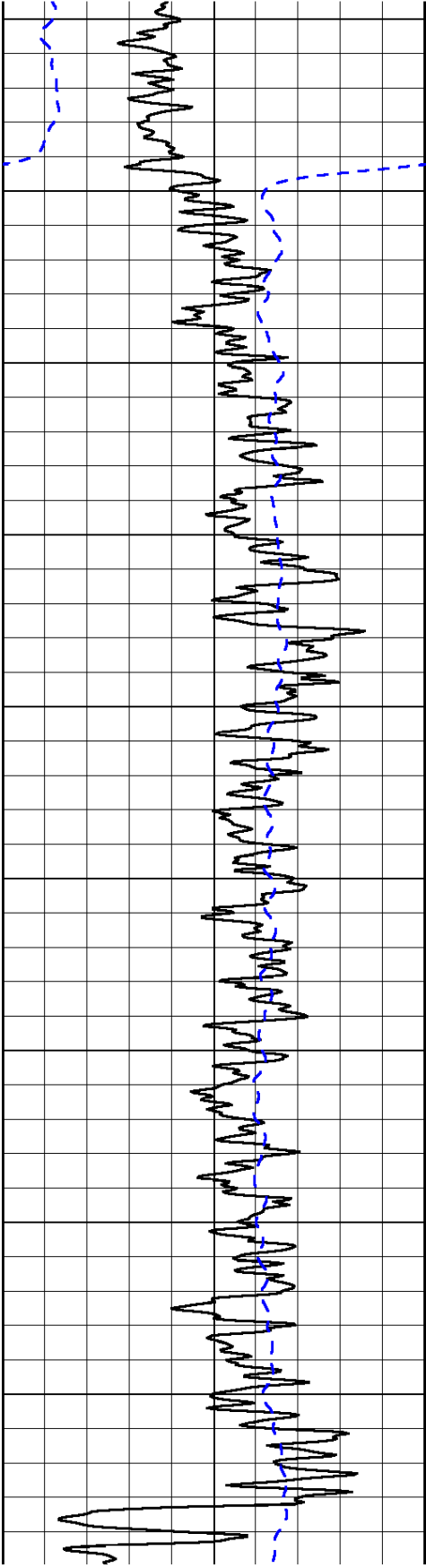
St.John KS, North to 70 RD,
2 East, 1 South, 1/2 West, North Into

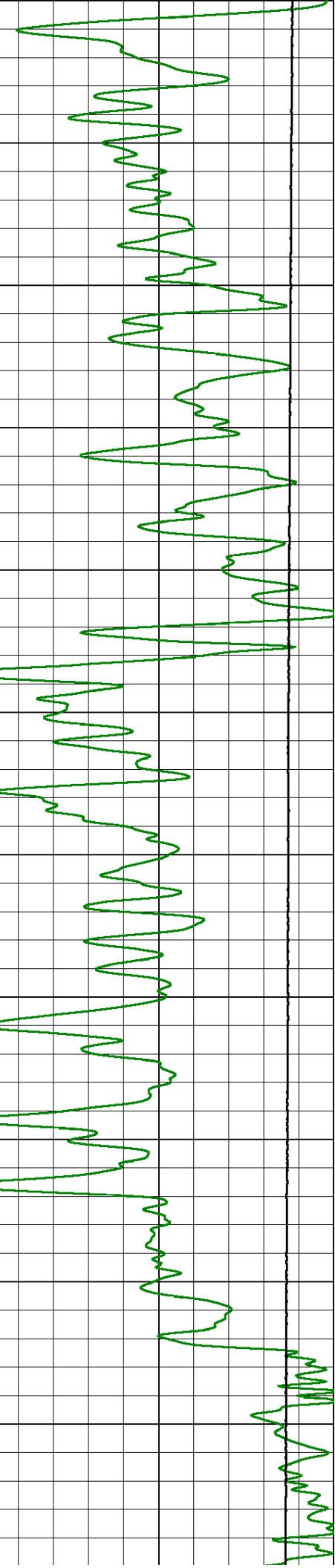
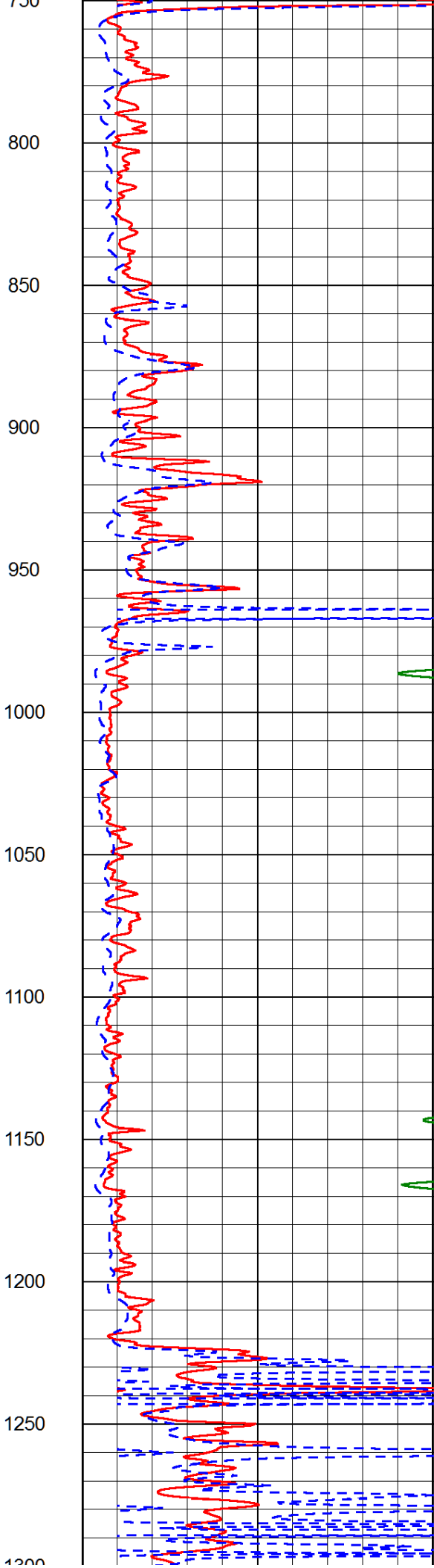
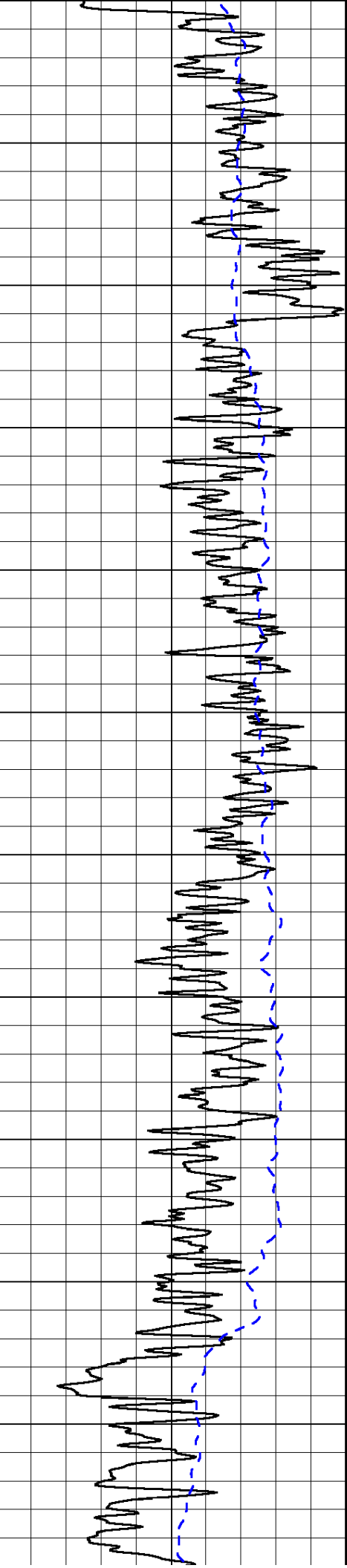
Database File: Id_maryann_1_14hd.db
Dataset Pathname: DIL/ldstk
Presentation Format: dil2in
Dataset Creation: Tue Apr 23 16:29:36 2013
Charted by: Depth in Feet scaled 1:600

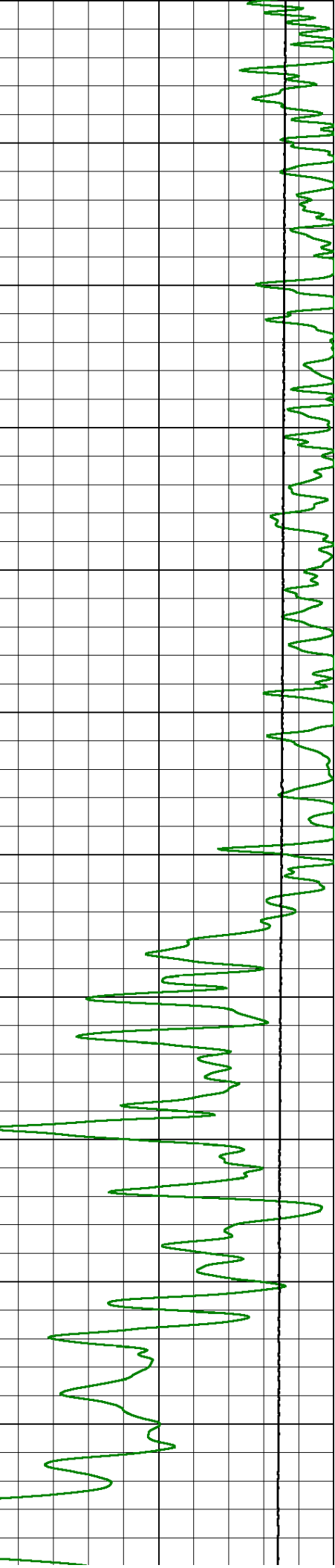
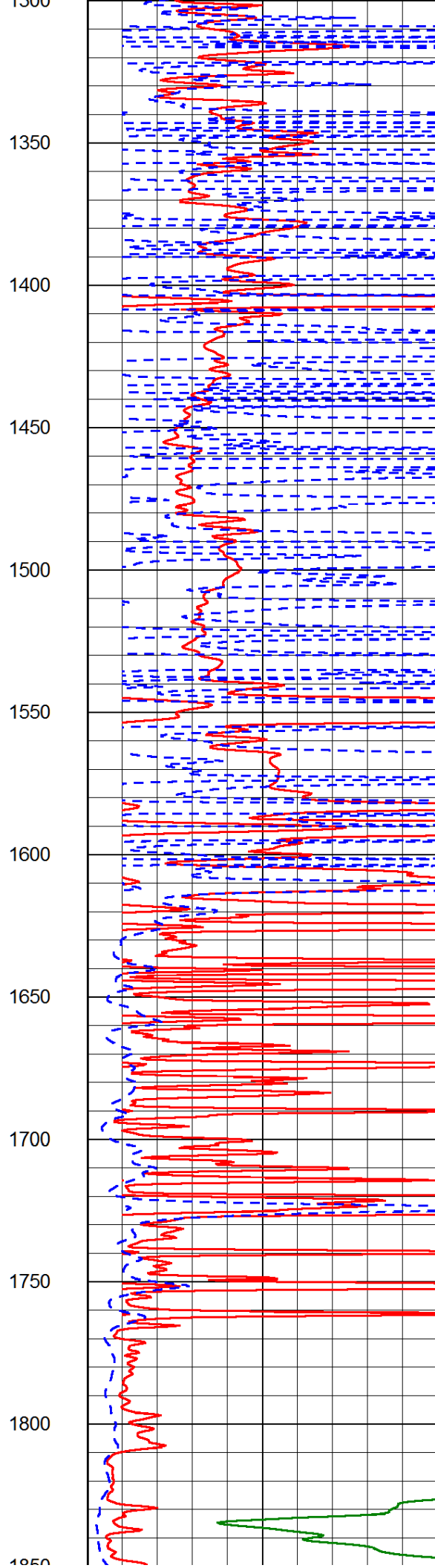
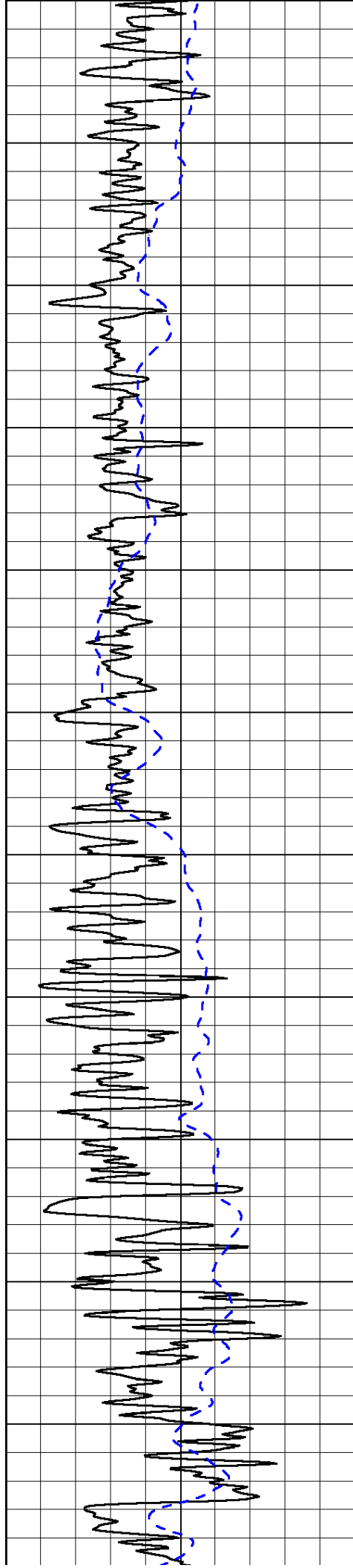
0	Gamma Ray (GAPI)	150
-200	SP (mV)	0

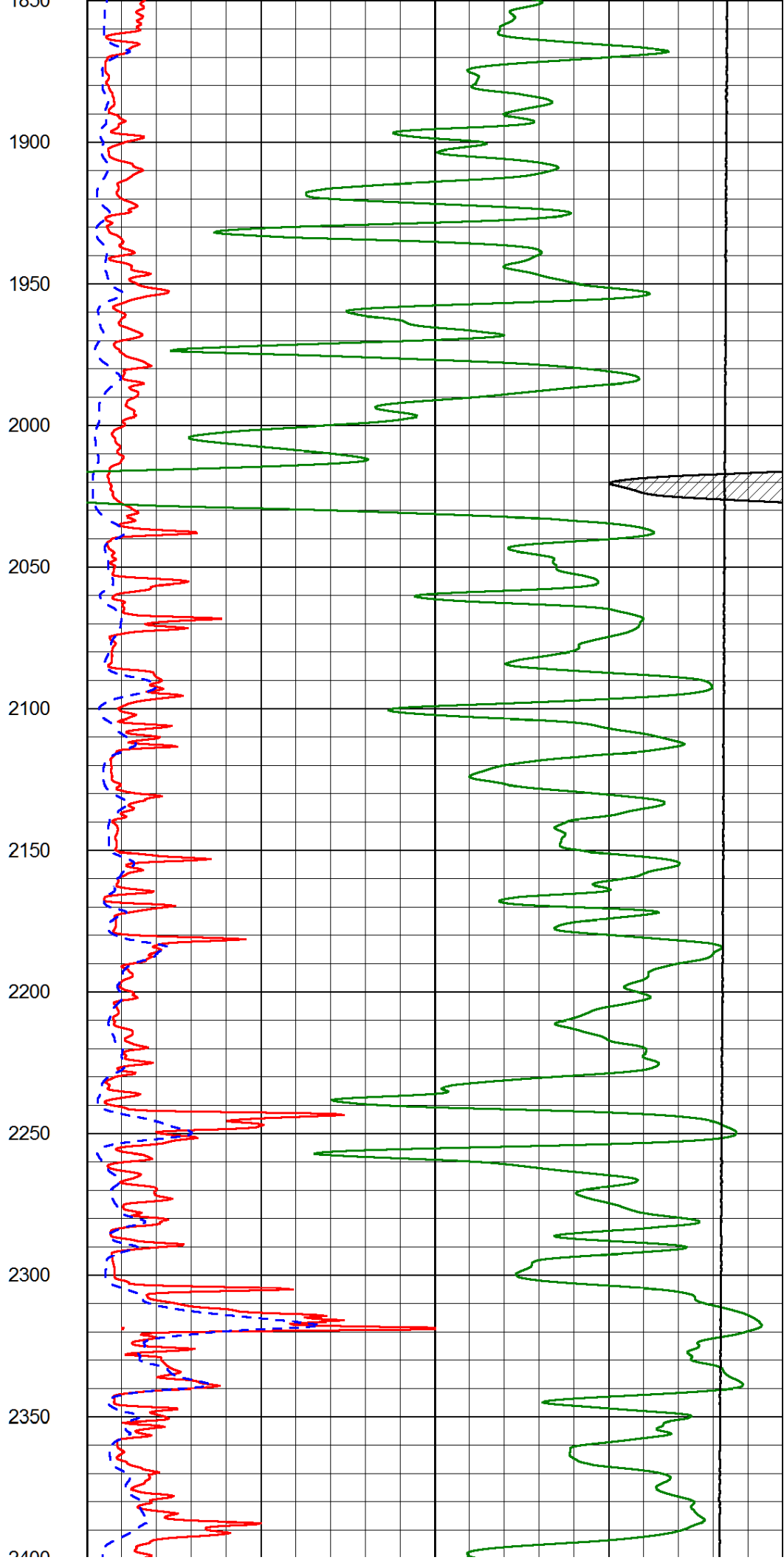
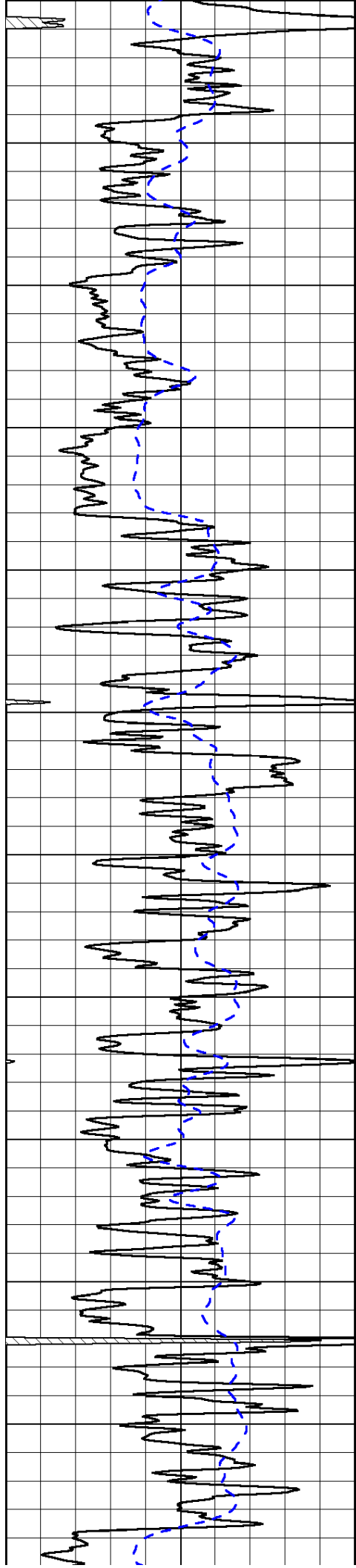
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0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (Ohm-m)	0
15000	Line Tension (lb)	0

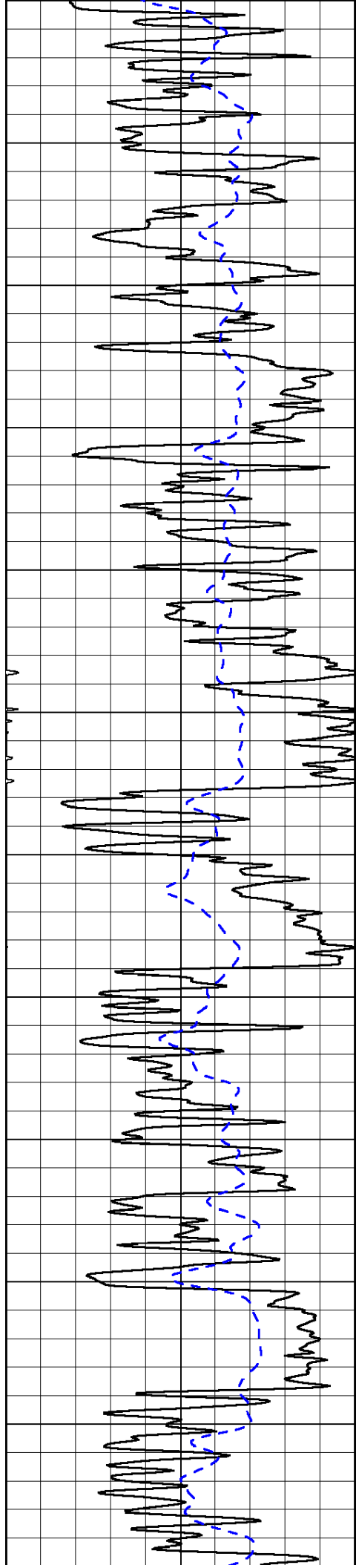
	Shallow Resistivity	
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500



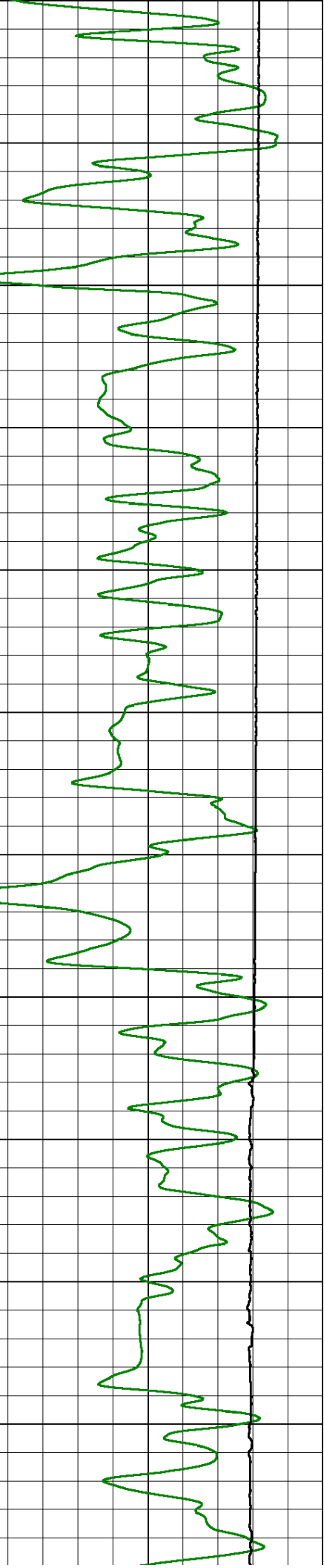
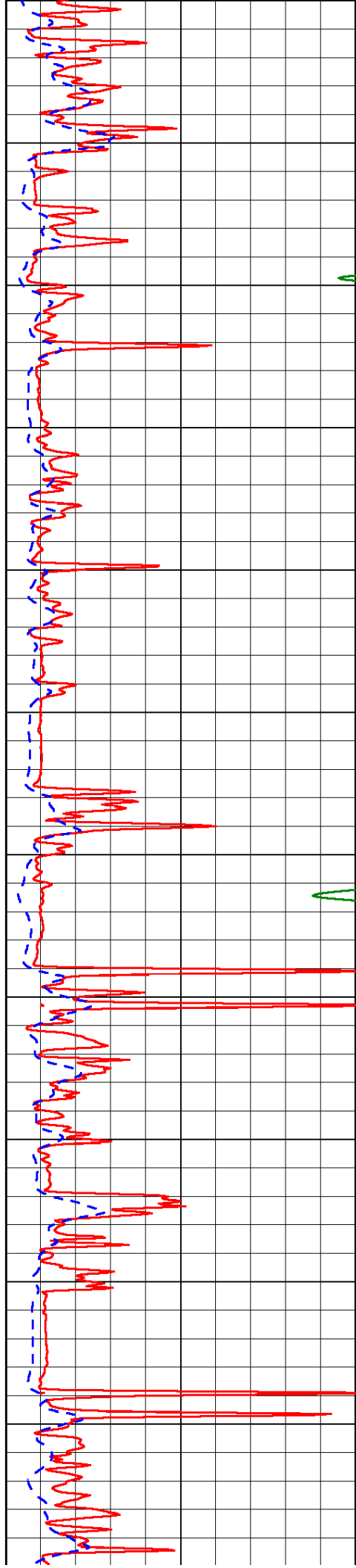


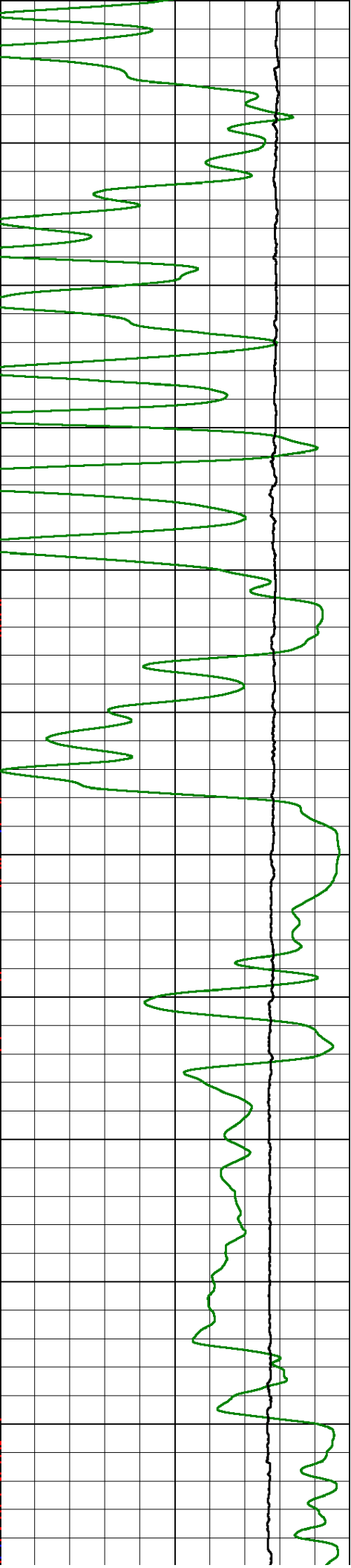
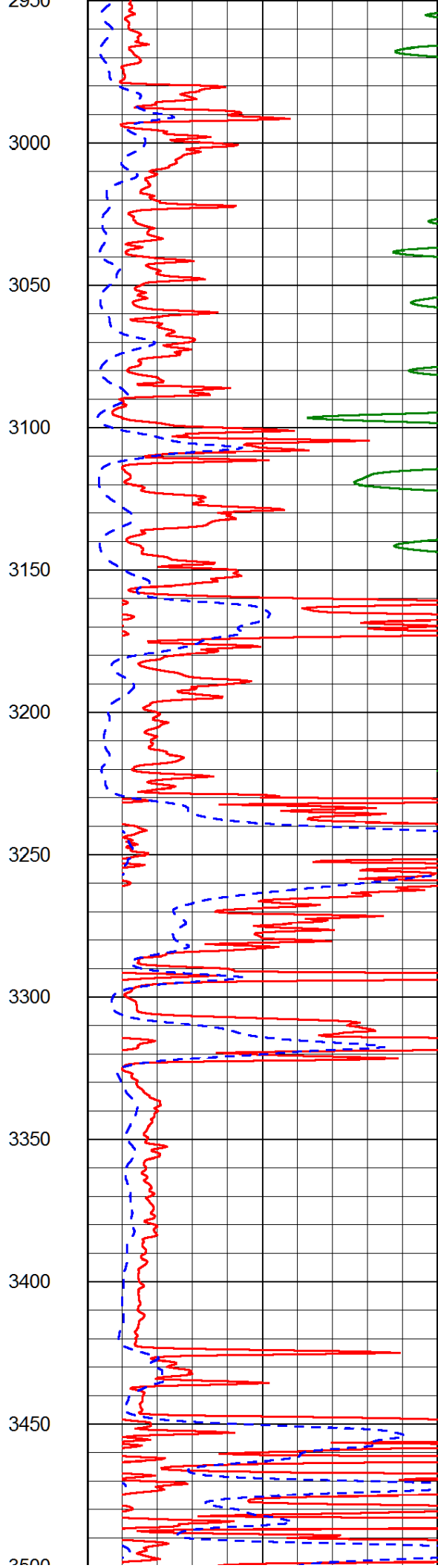
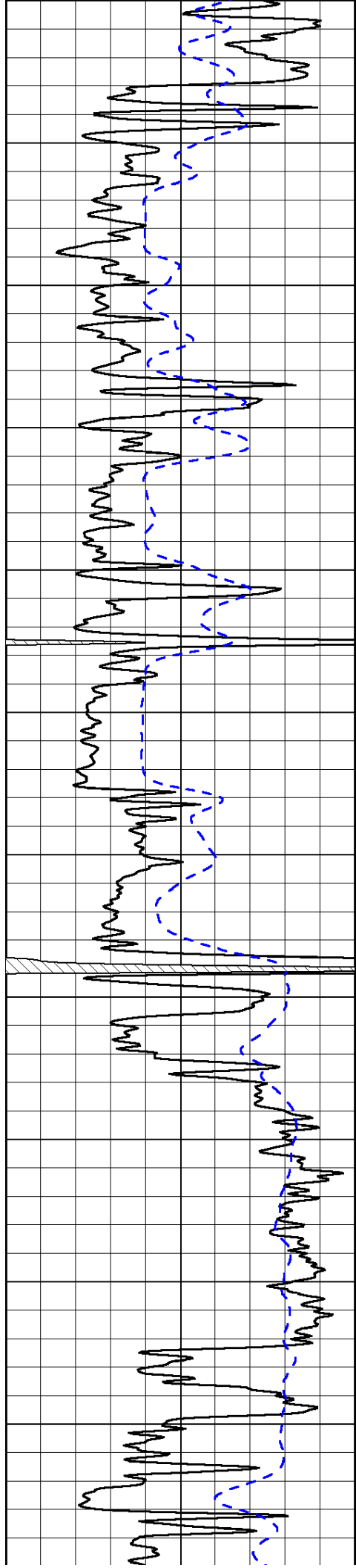


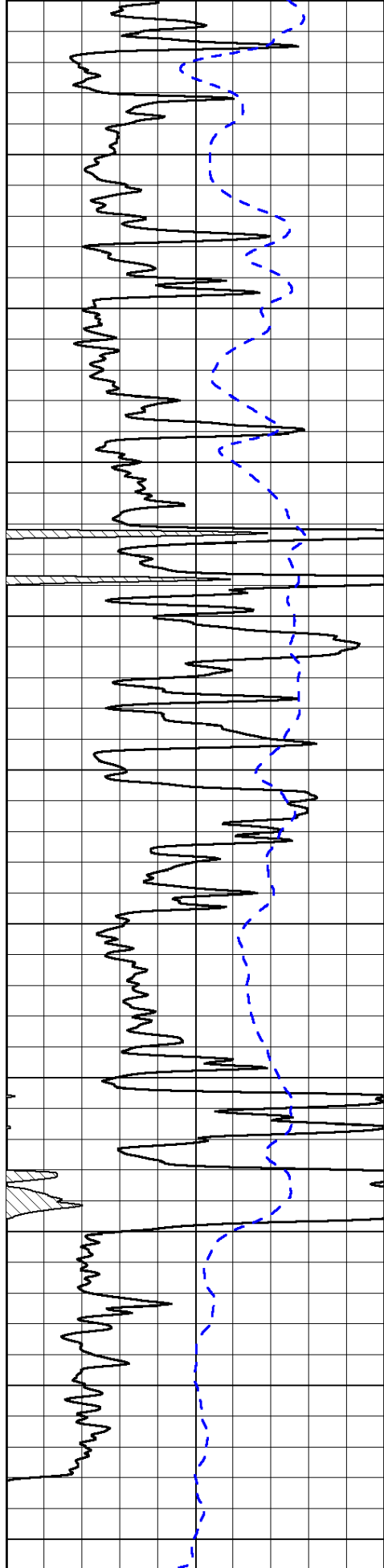




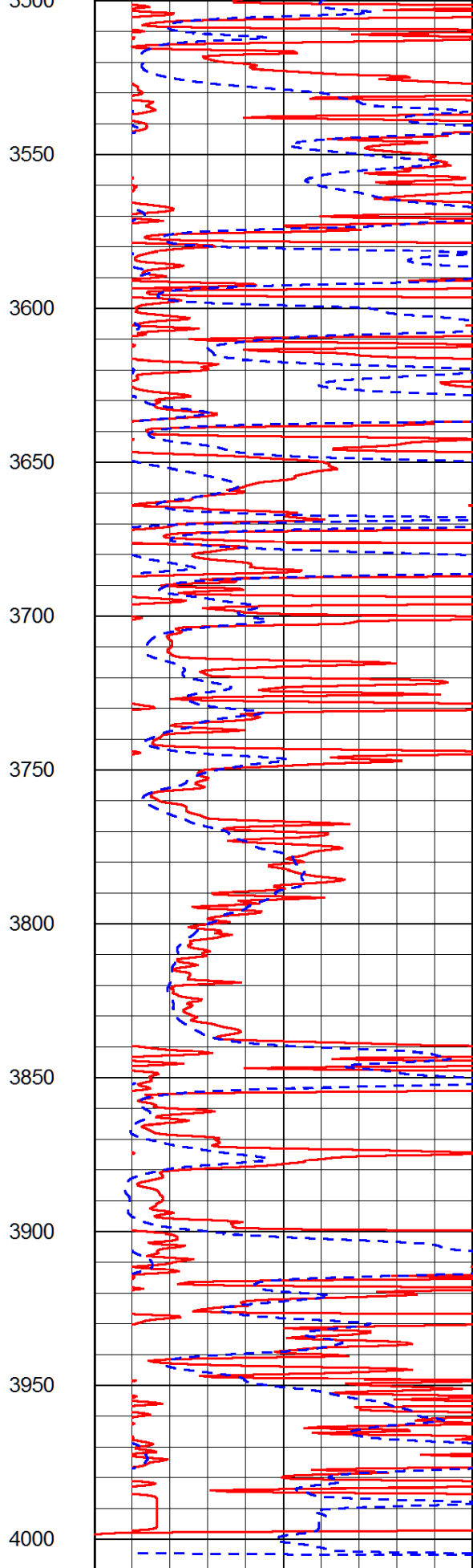
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
2900
2950



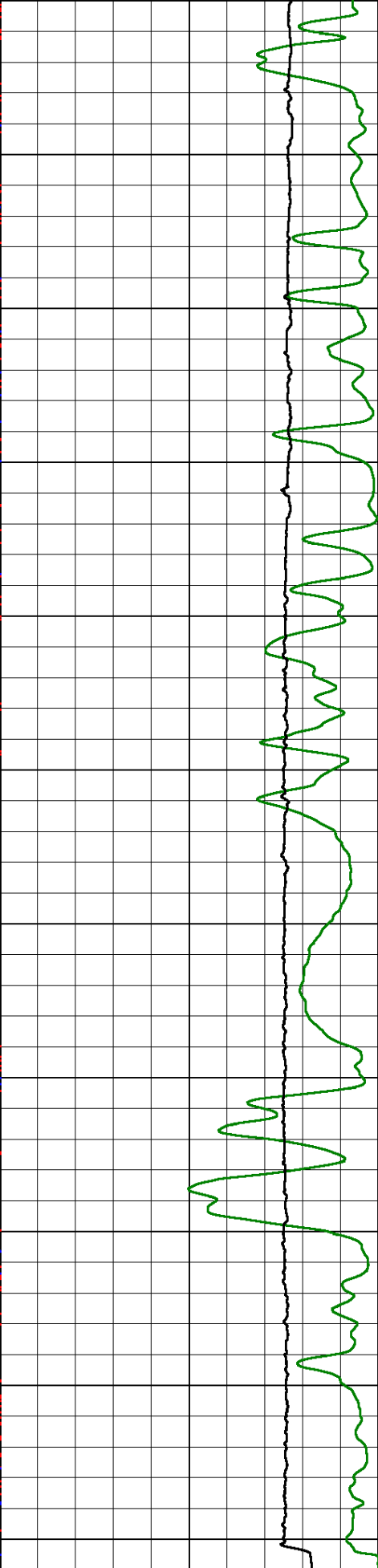




0 Gamma Ray (GAPI) 150
-200 SP (mV) 0



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



1000 Conductivity (Ohm-m) 0

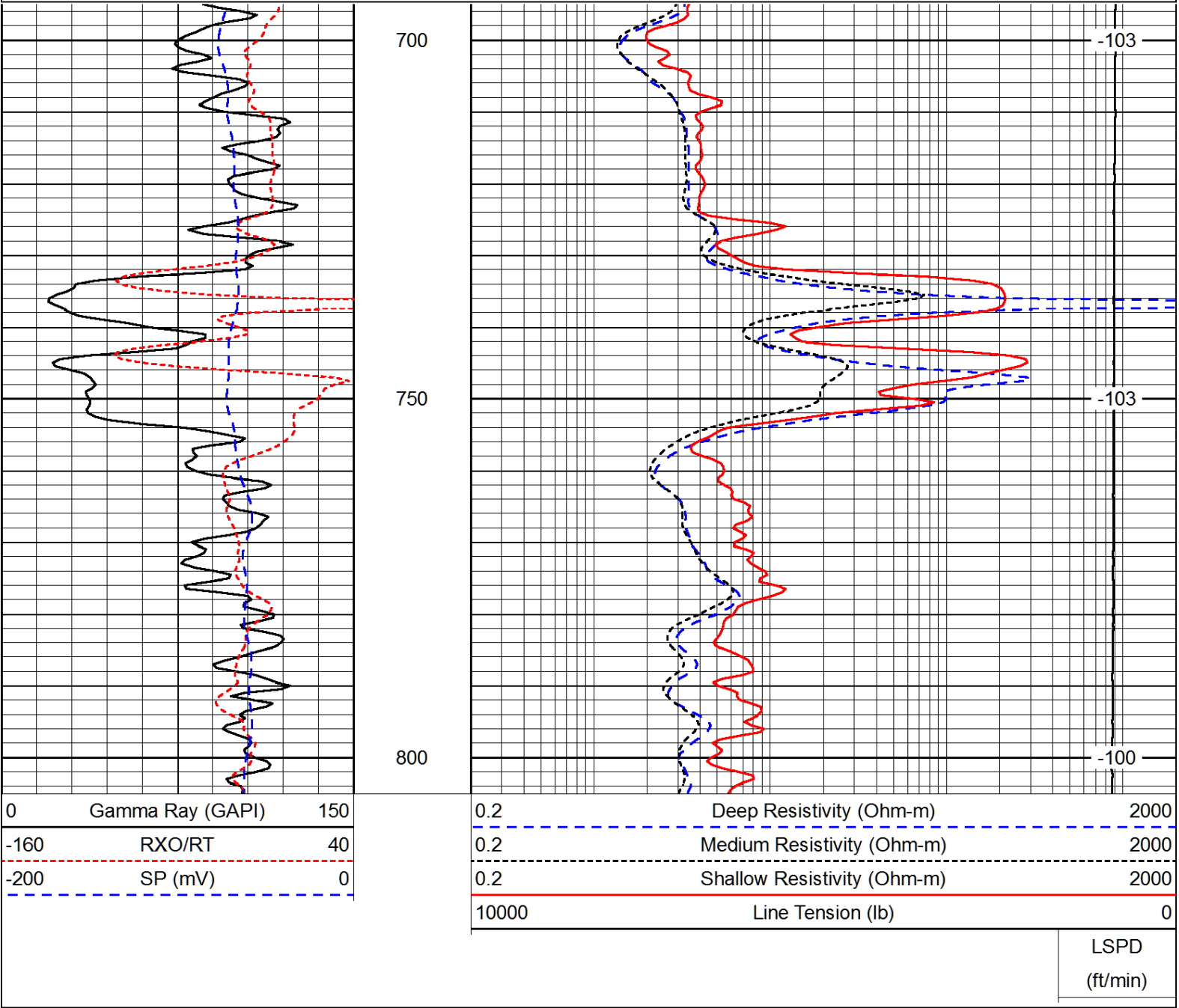
15000		Line Tension (lb)		0
Shallow Resistivity				
50	(Ohm-m)	500		
50	Deep Resistivity (Ohm-m)	500		

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Dataset Pathname:		DIL/ldstk		
Presentation Format:		dil		
Dataset Creation:		Tue Apr 23 16:29:36 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)

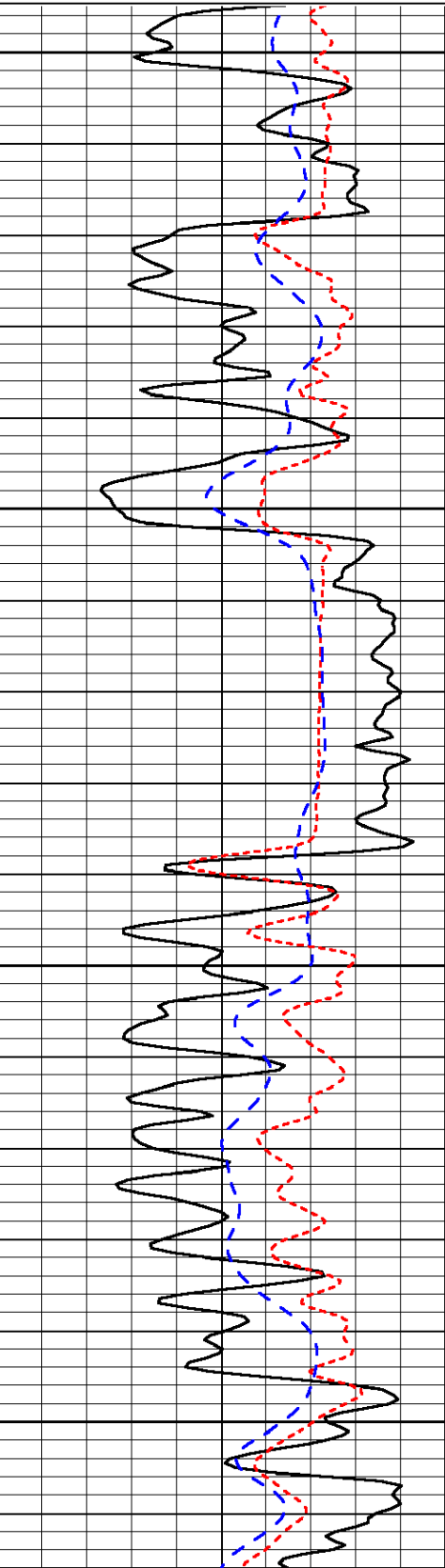


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10000	Line Tension (lb)	0

LSPD
(ft/min)

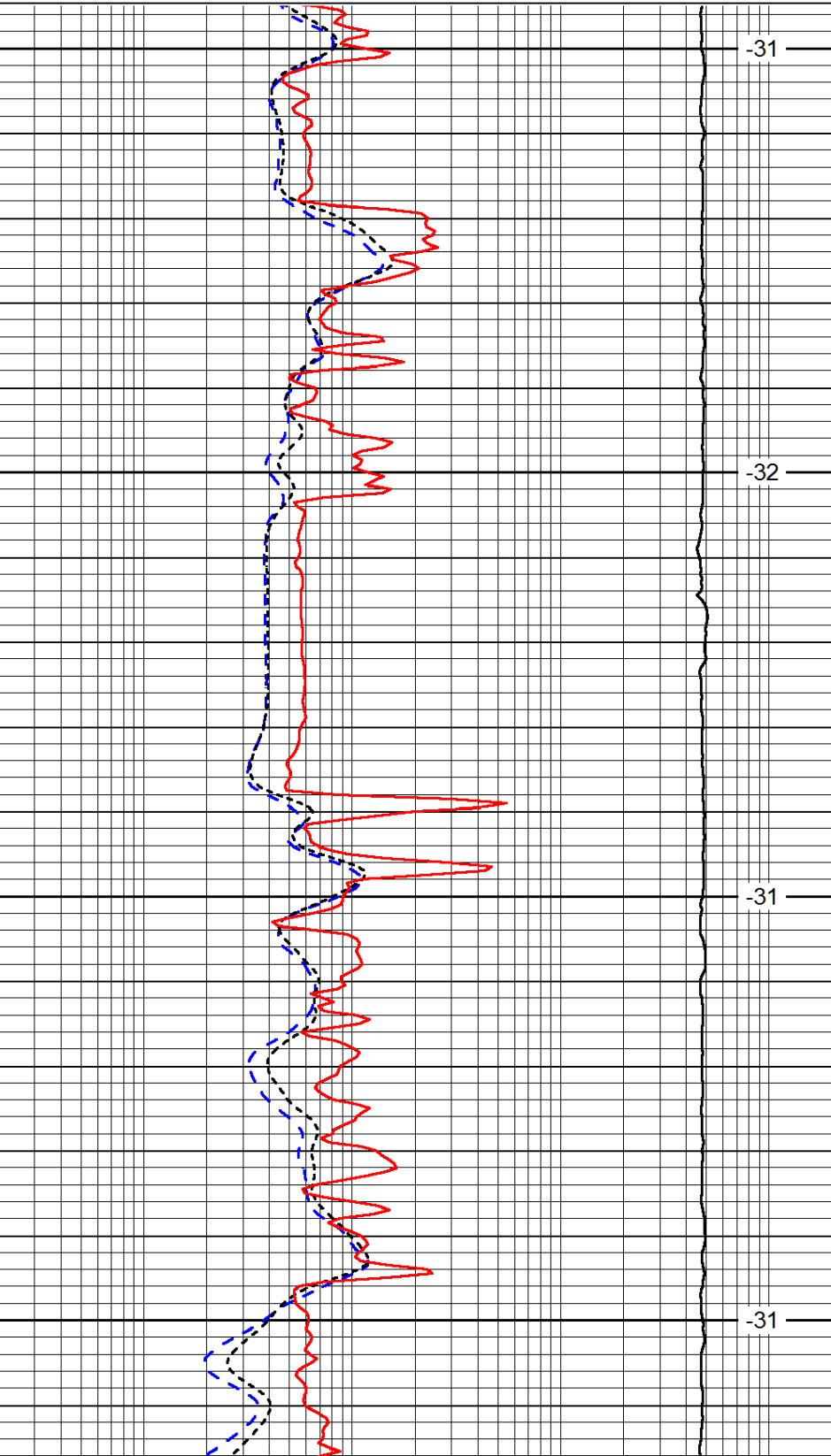


2800

2850

2900

2950

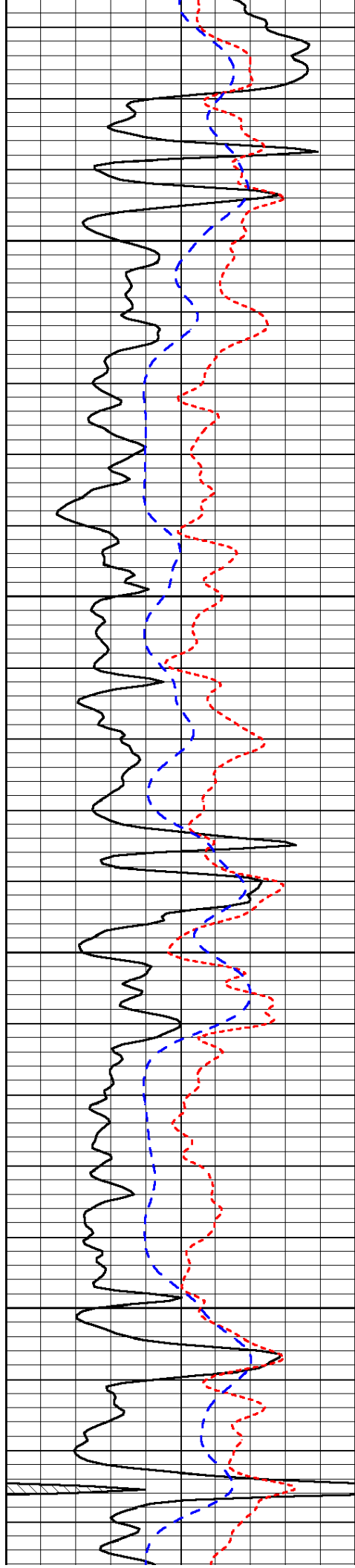


-31

-32

-31

-31

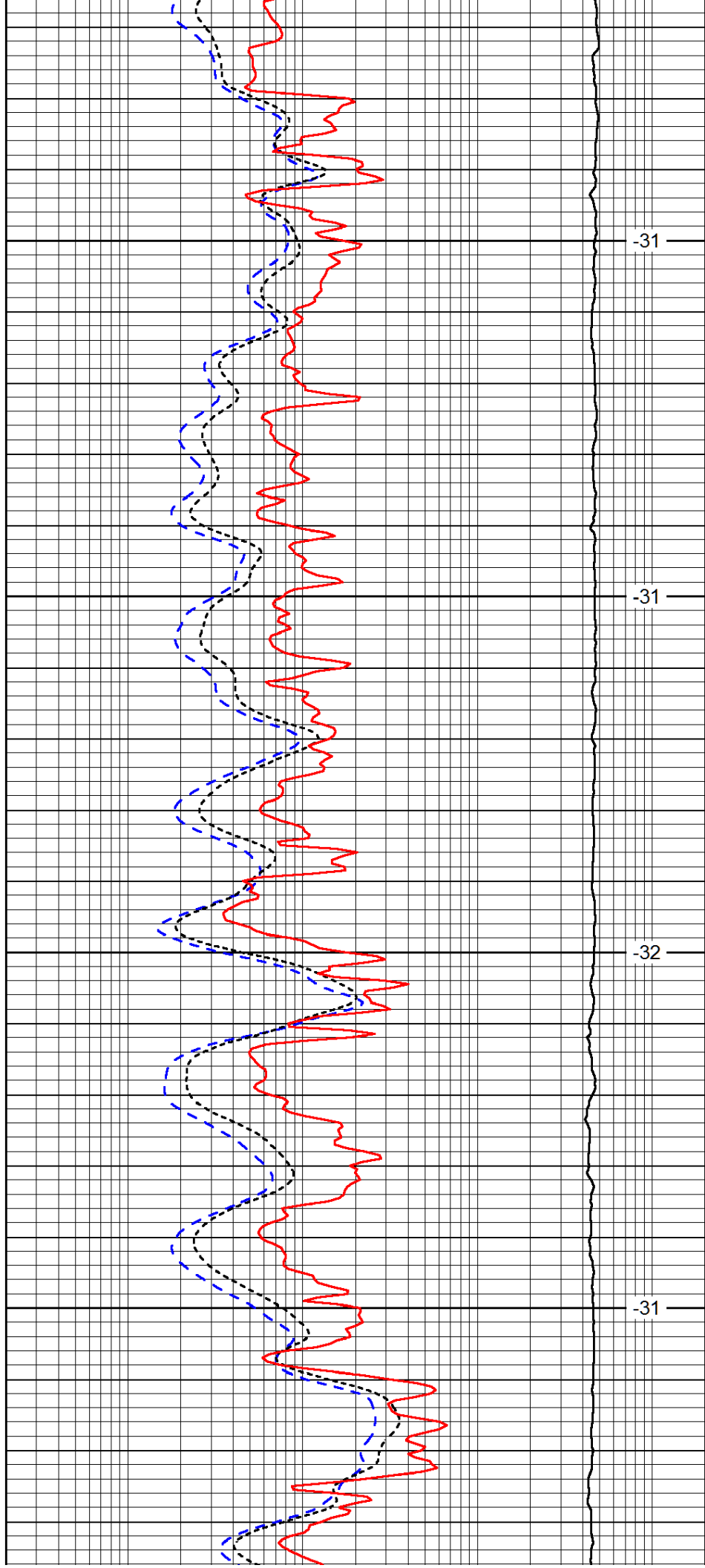


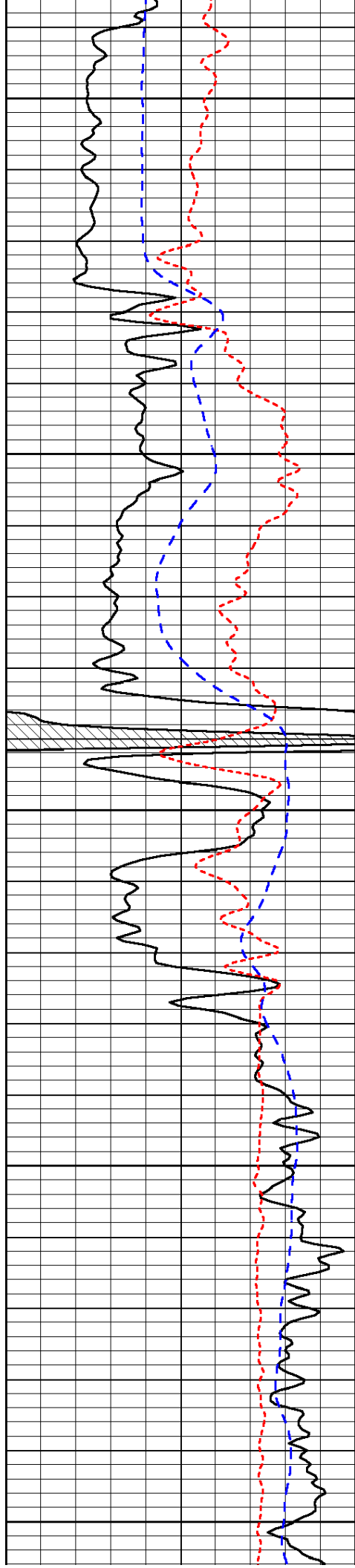
3000

3050

3100

3150





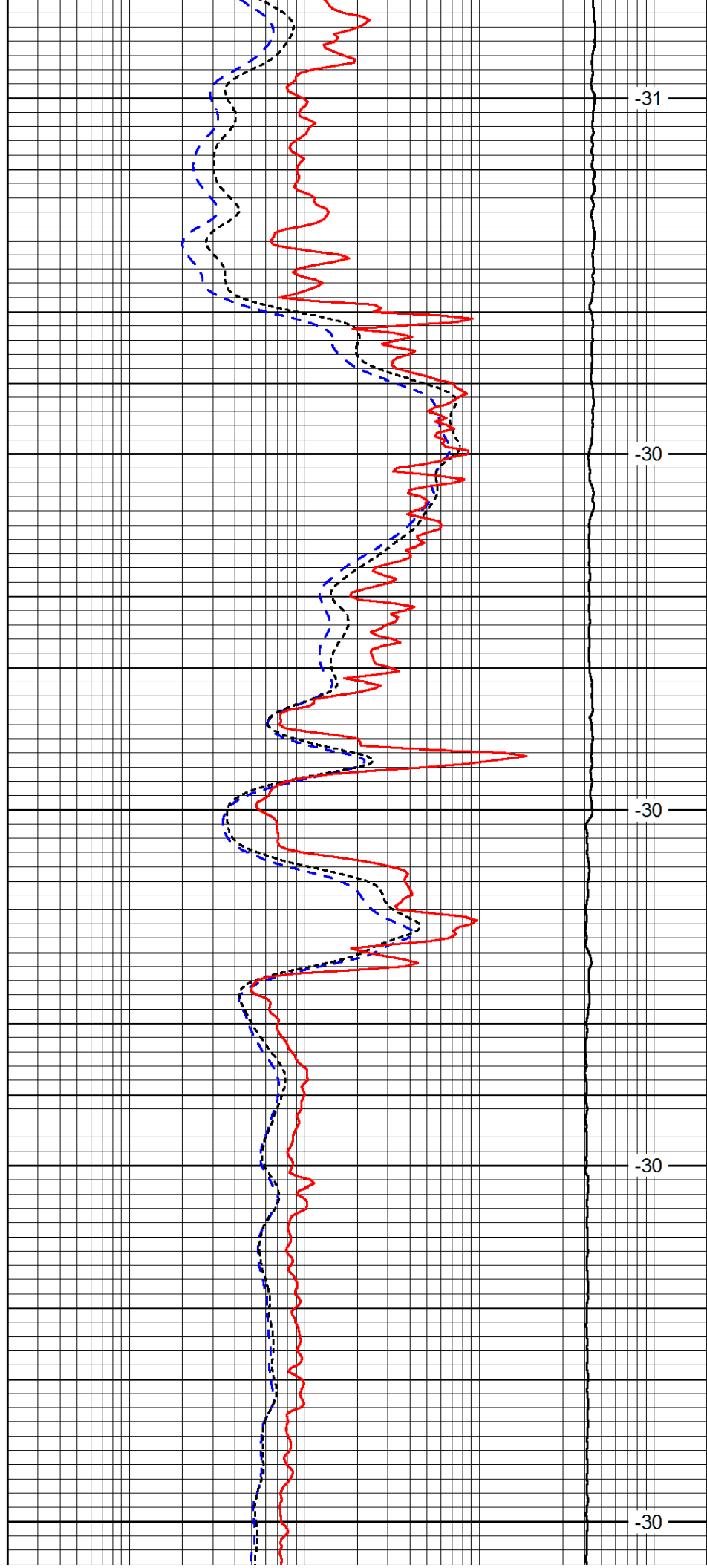
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3250

3300

3350

3400



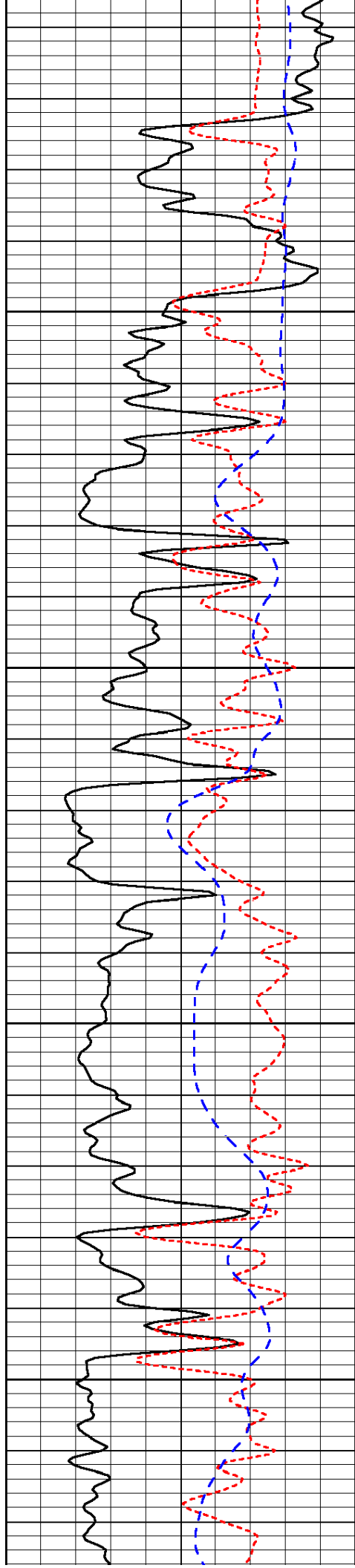
-31

-30

-30

-30

-30

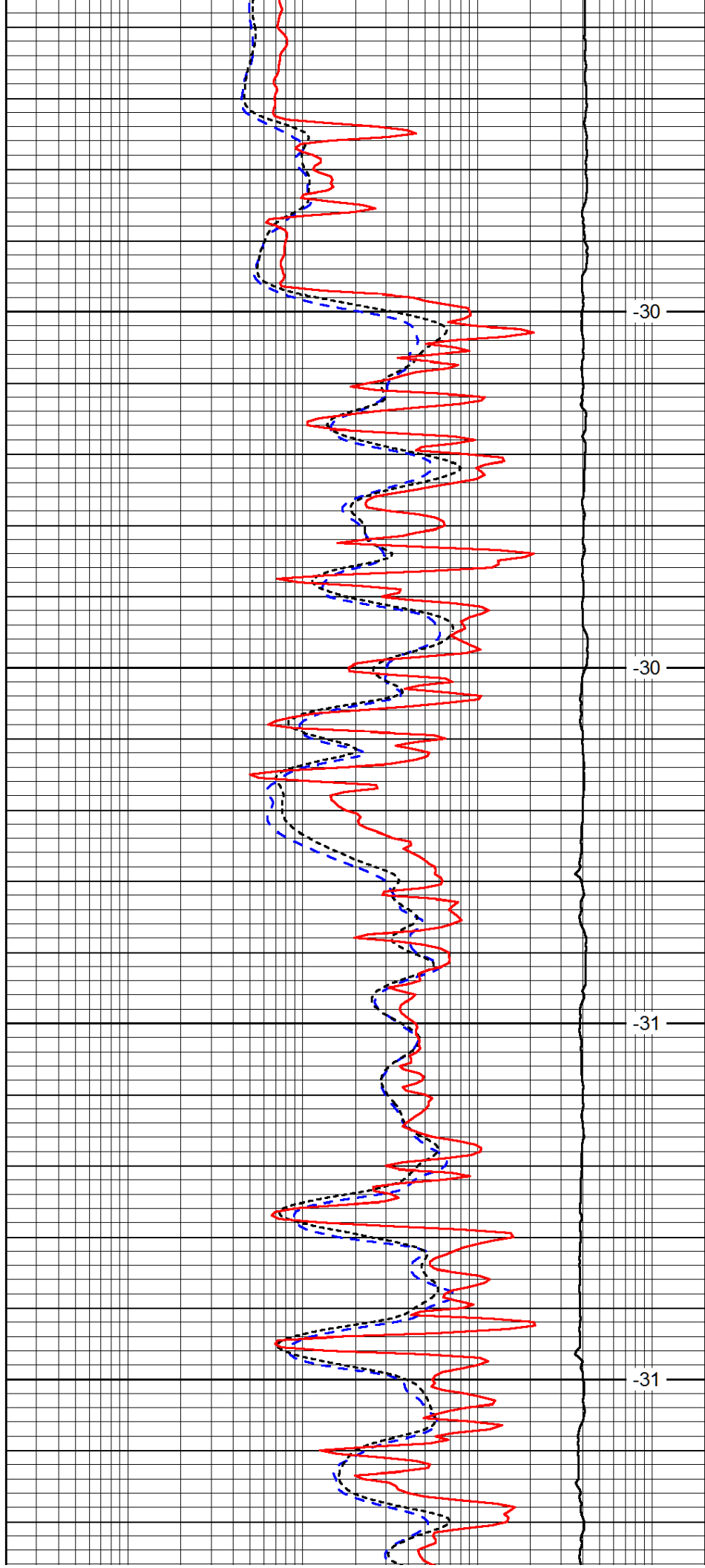


3450

3500

3550

3600

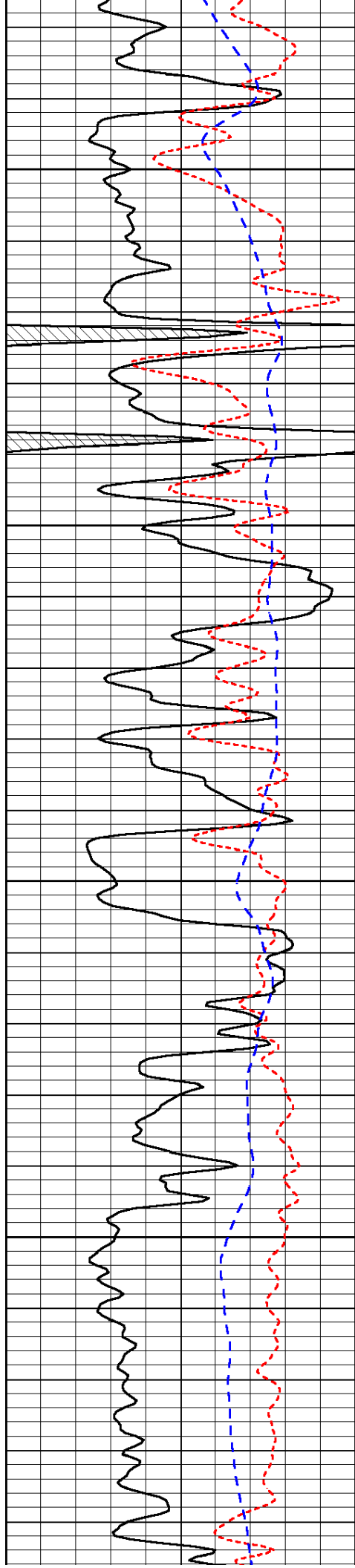


-30

-30

-31

-31

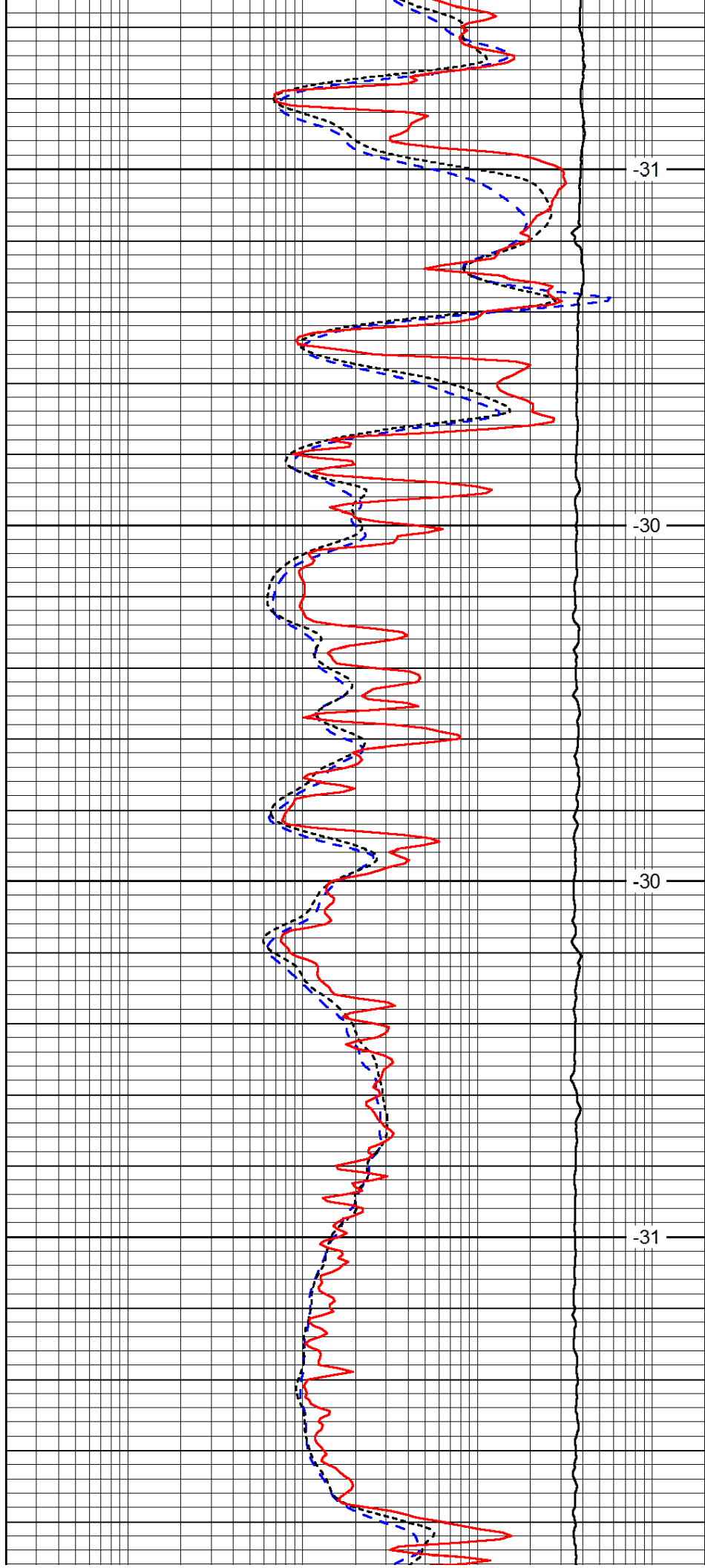


3650

3700

3750

3800

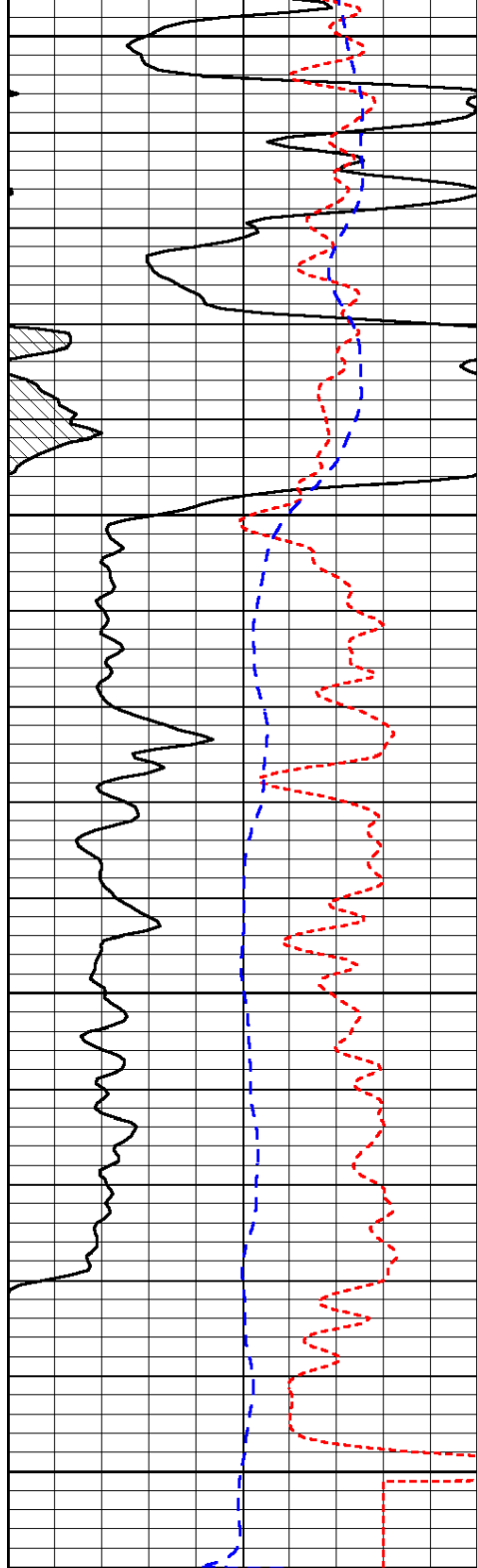


-31

-30

-30

-31



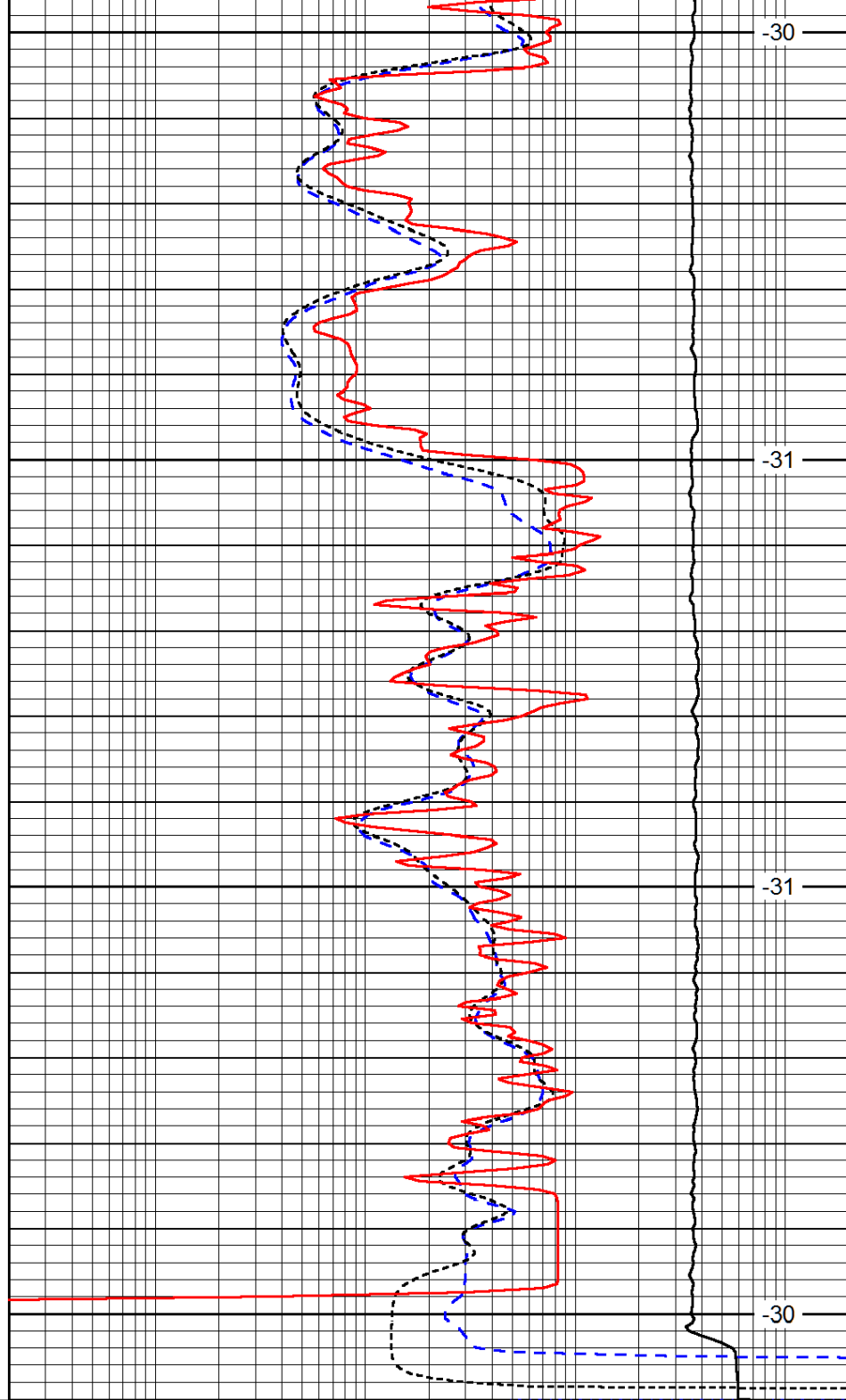
0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

3850

3900

3950

4000



-30

-31

-31

-30

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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)