



Pioneer Energy Services

Dual Induction Log

API No.

15-135-25545-00-00

Company Trans Pacific Oil Corporation

Well Schaben "B" Unit #2-12

Field Schaben Pool

County Ness State Kansas

Location

220' FSL / 1170' FWL

Other Services
CNL / CDL

Sec: 12 Twp: 20S Rge: 22W

Permanent Datum Ground Level Elevation 2252
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 2261
D.F. 2252
G.L. 2252

Date 3/18/2013

Run Number One

Depth Driller 4491

Depth Logger 4489

Bottom Logged Interval 4488

Top Log Interval 200

Casing Driller 8.625 @ 224

Casing Logger 220

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 2000

Density / Viscosity 9.2 56

pH / Fluid Loss 10.5 7.4

Source of Sample Flowline

Rm @ Meas. Temp 0.48 @ 56

Rmf @ Meas. Temp 0.36 @ 56

Rmc @ Meas. Temp 0.65 @ 56

Source of Rmf / Rmc Charts

Rm @ BHT 0.22 @ 121

Operating Rig Time 3 Hours

Max Rec. Temp. F 121

Equipment Number 17

Location Hays

Recorded By R. Barnhart

Witnessed By Frank Mize

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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

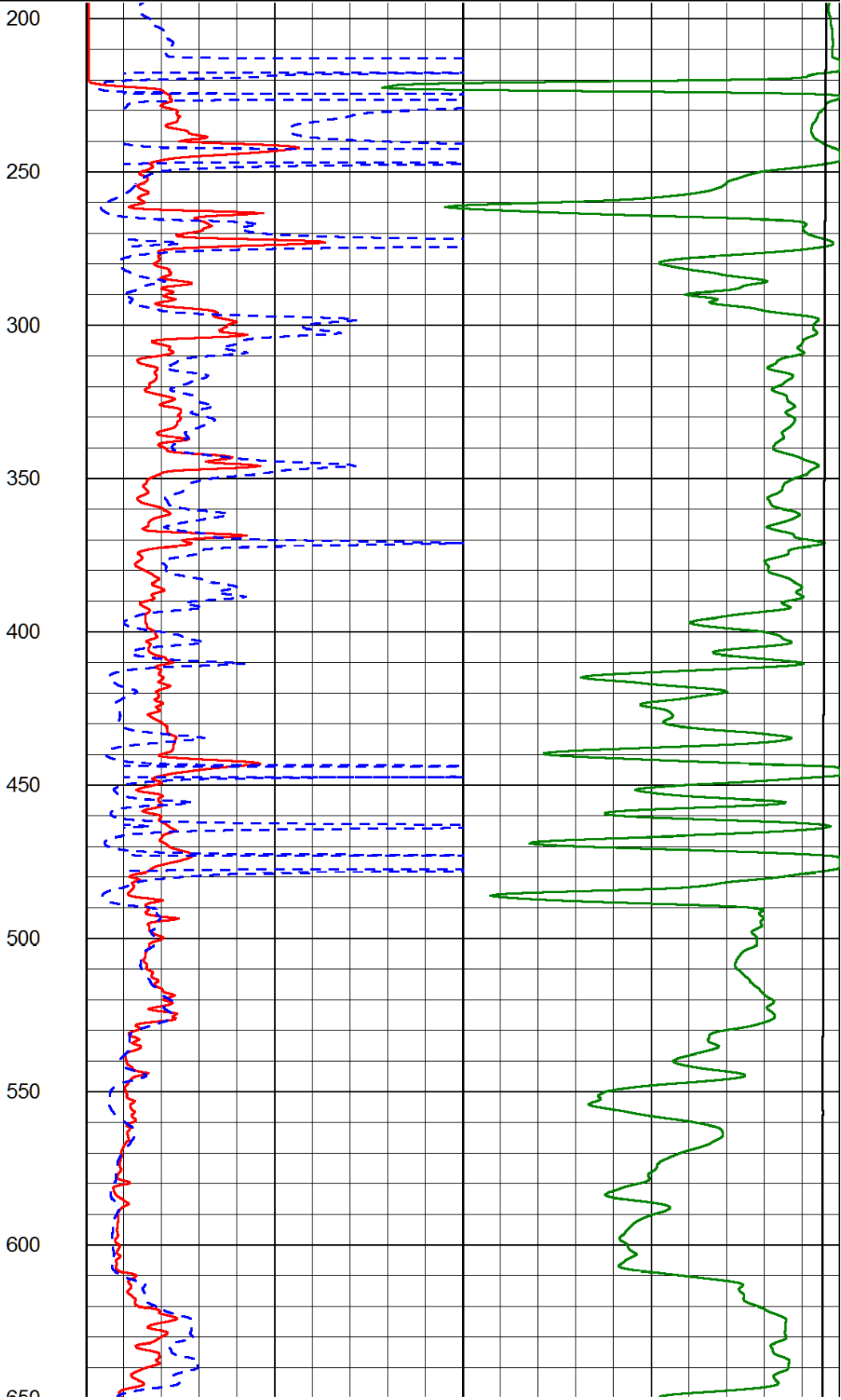
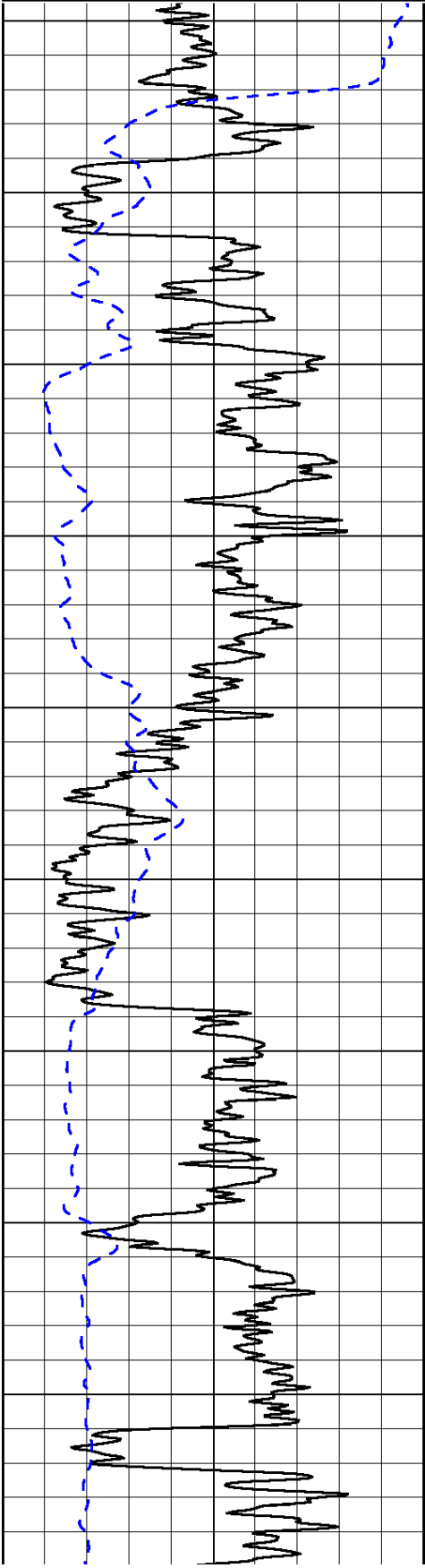
Thank you for using Log-Tech, Inc.
(785) 625-3858

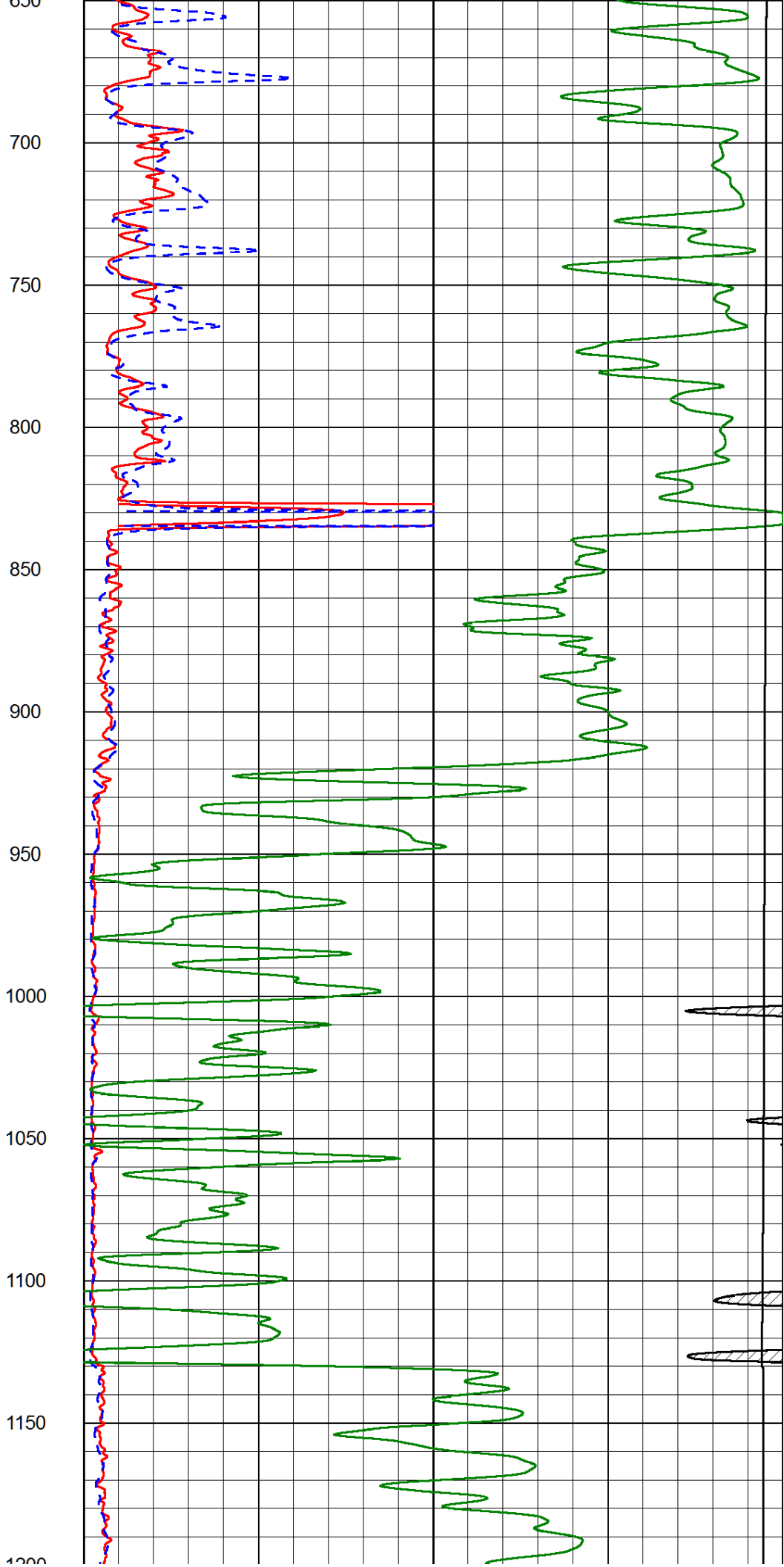
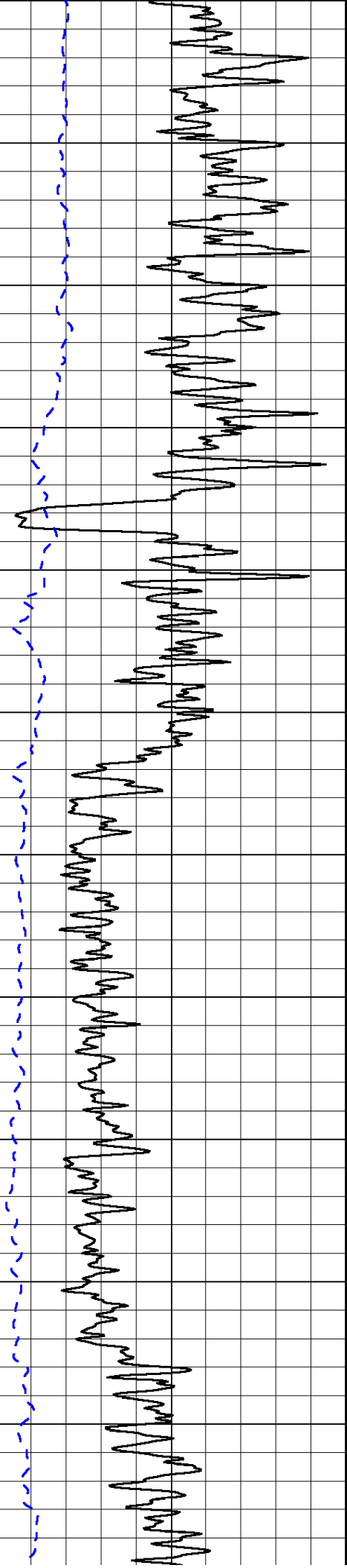
Bazine, KS:
9S, 3/4W, N into

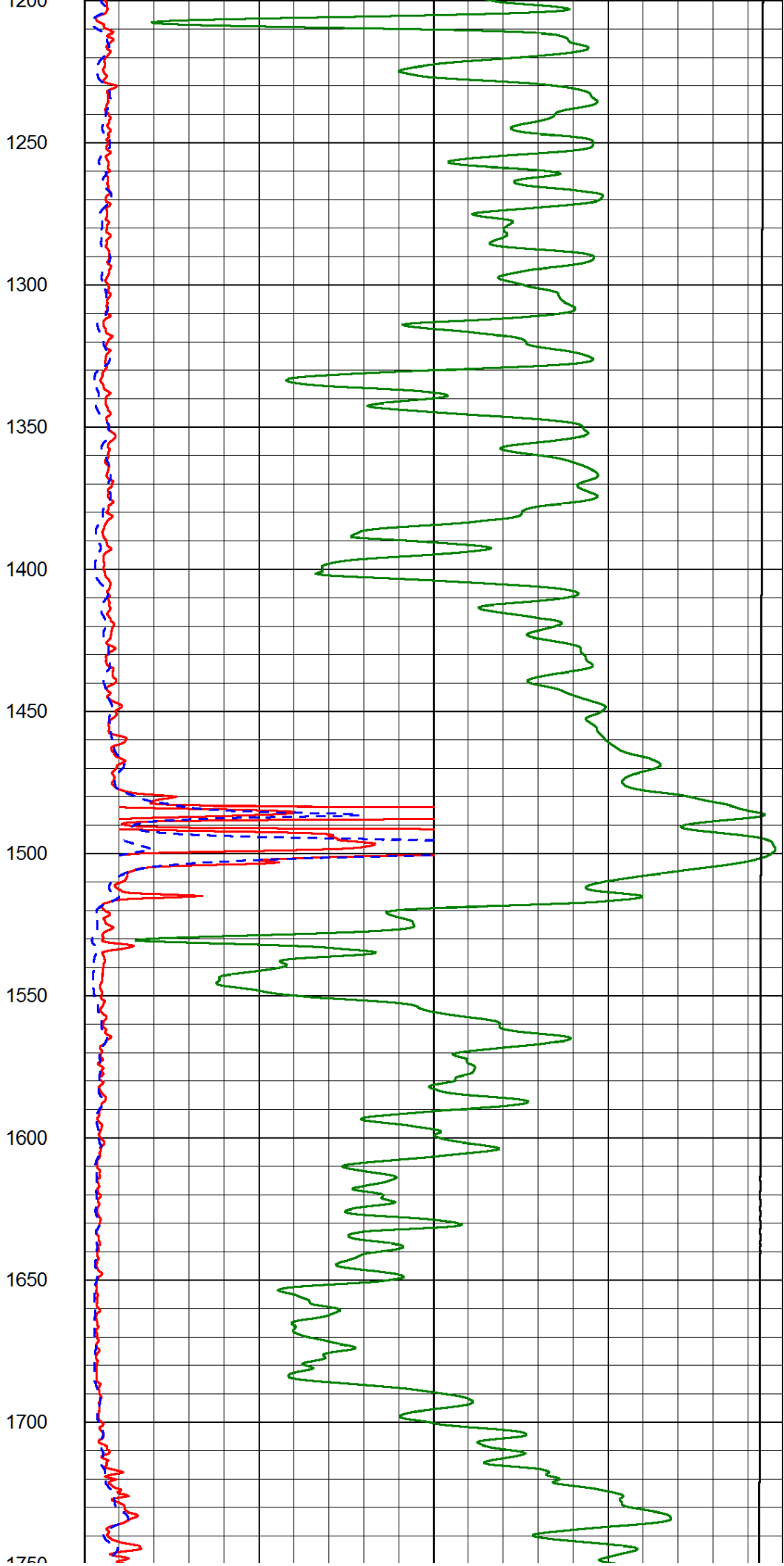
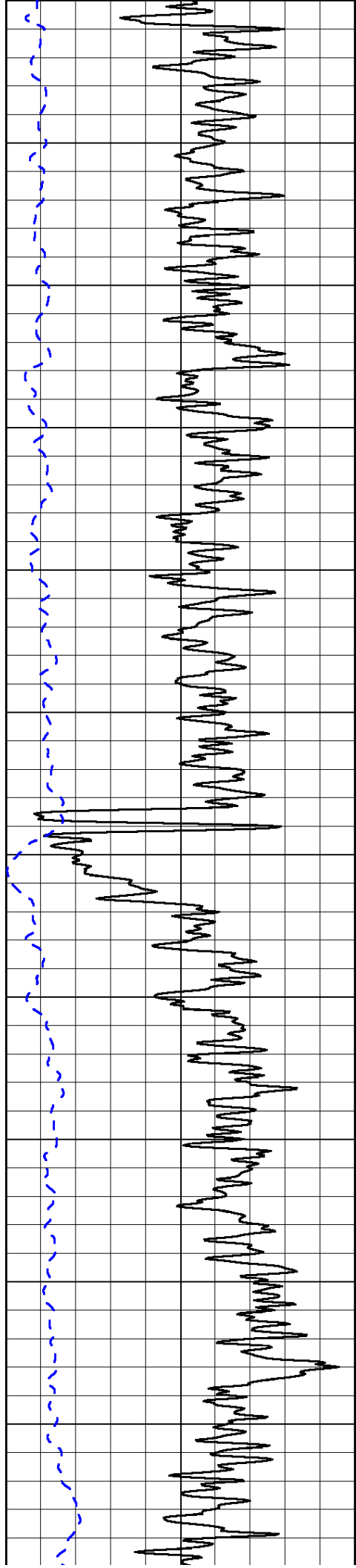
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Charted by: Depth in Feet scaled 1:600

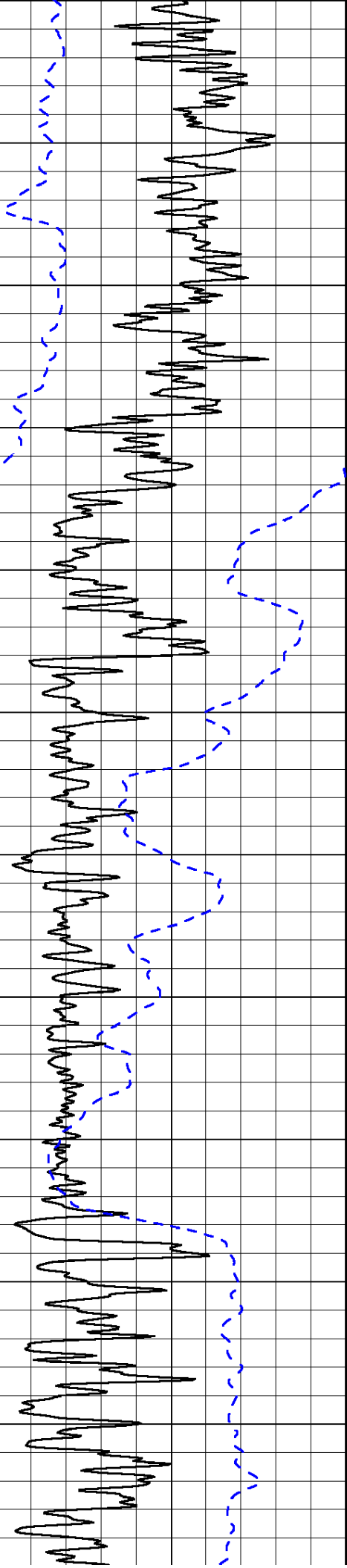
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-200	SP (mV)	0

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

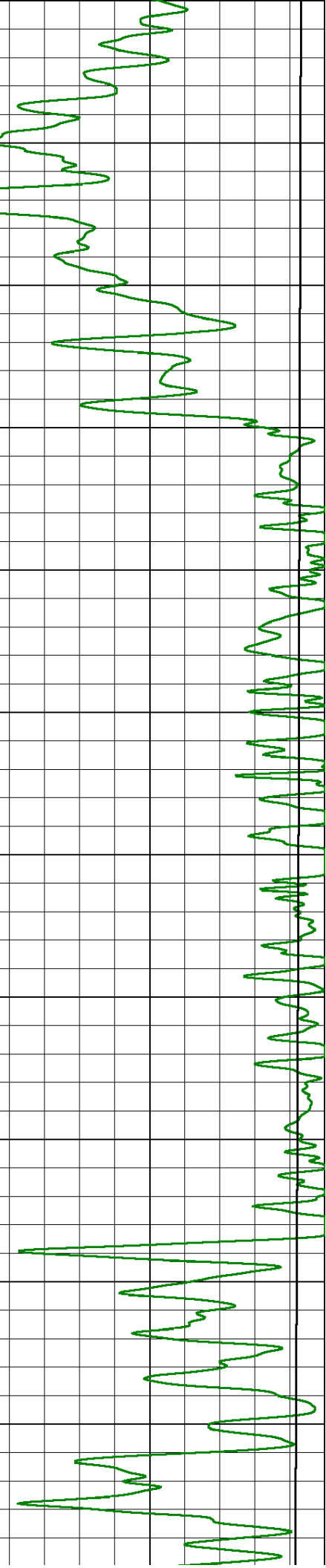
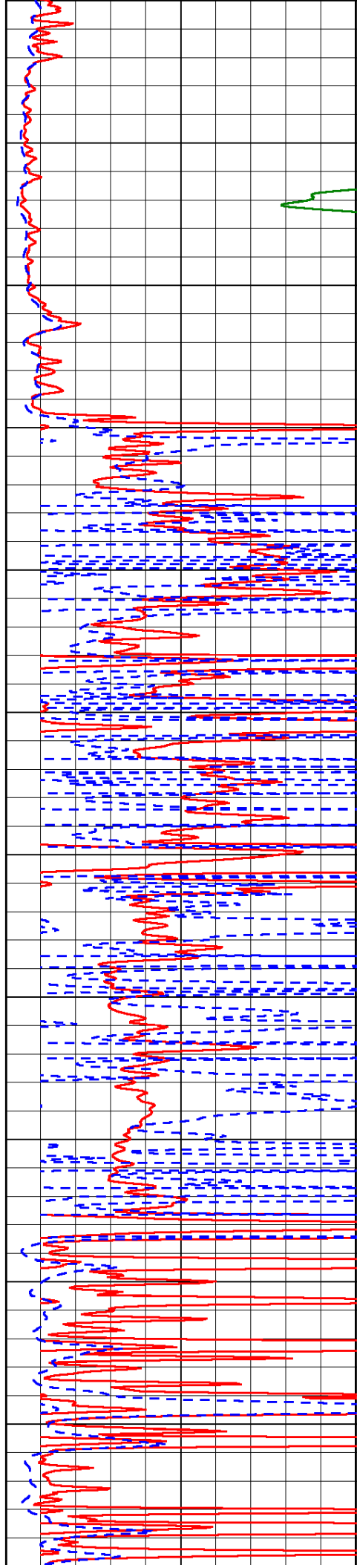


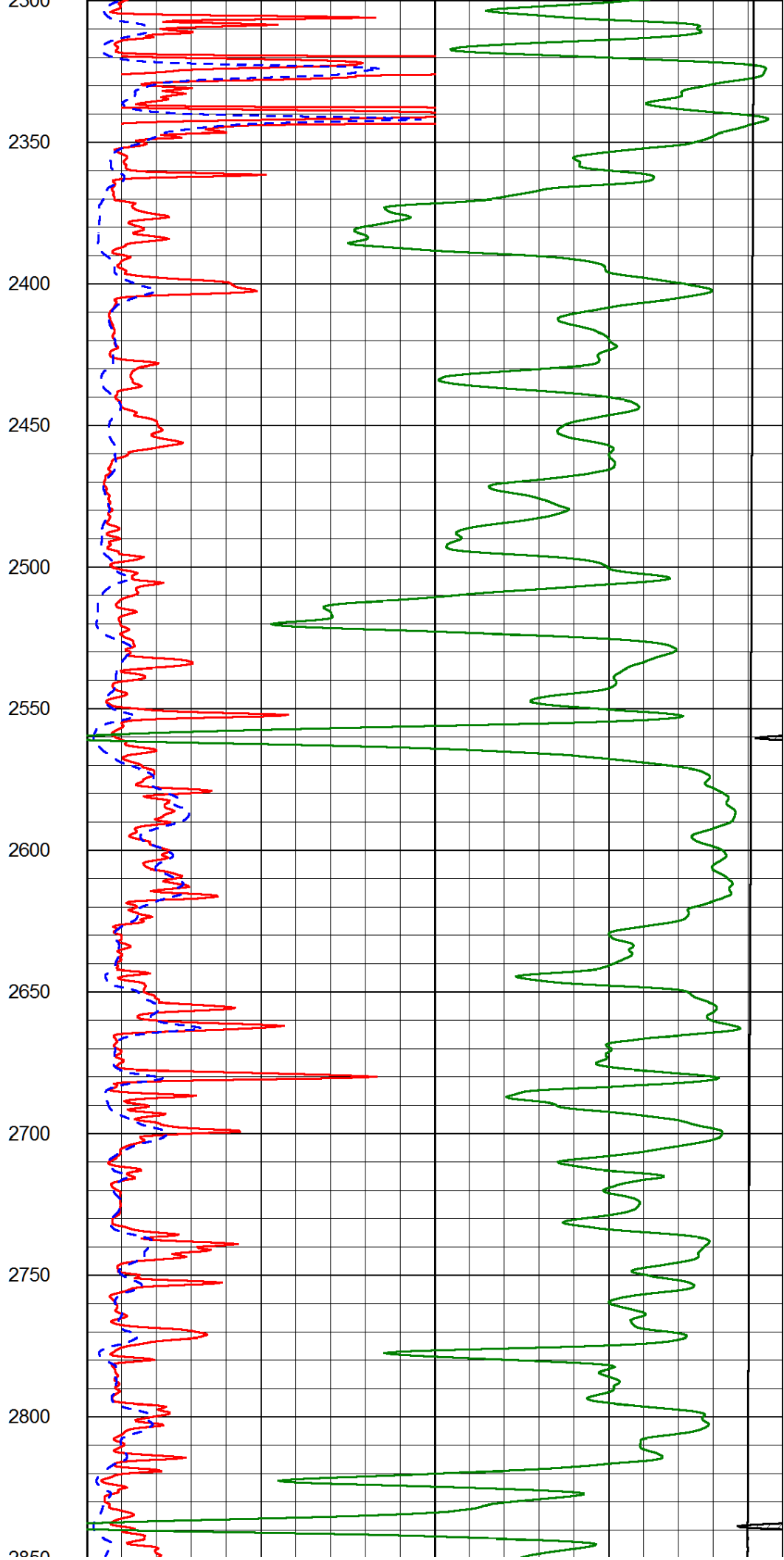
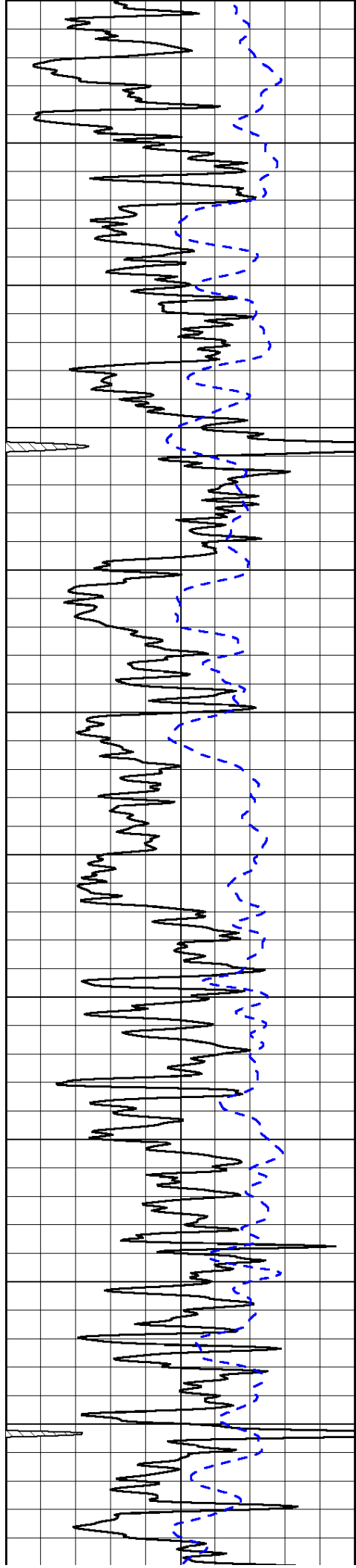


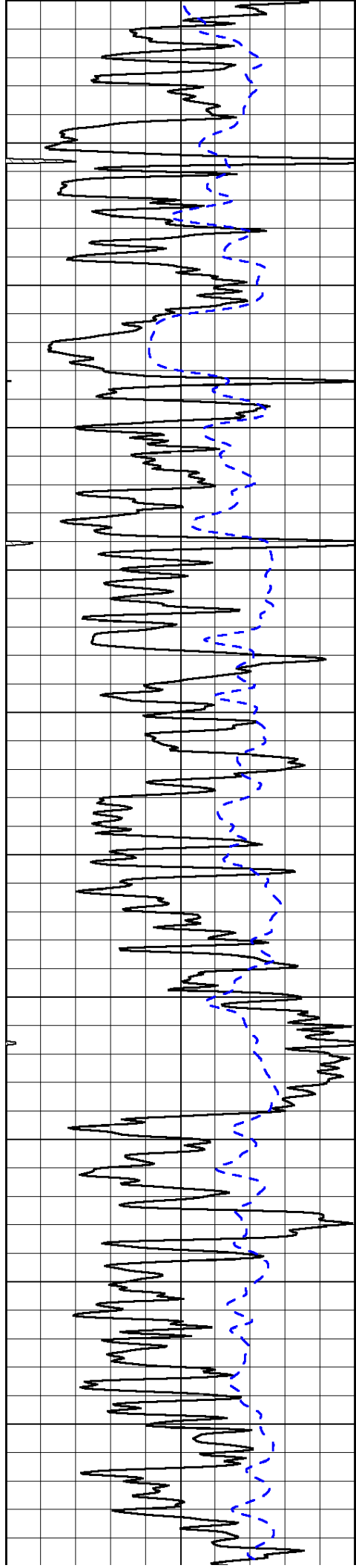




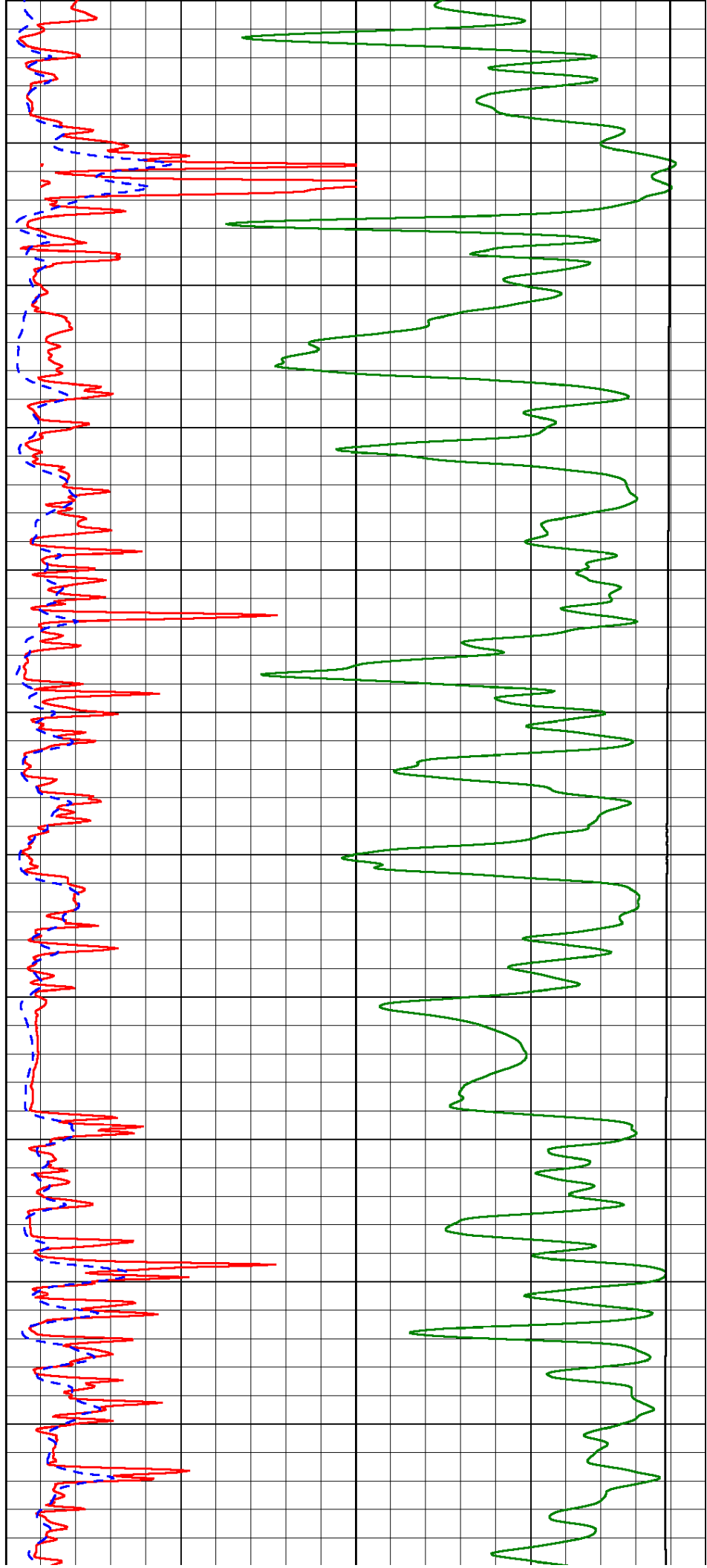
1750
1800
1850
1900
1950
2000
2050
2100
2150
2200
2250
2300

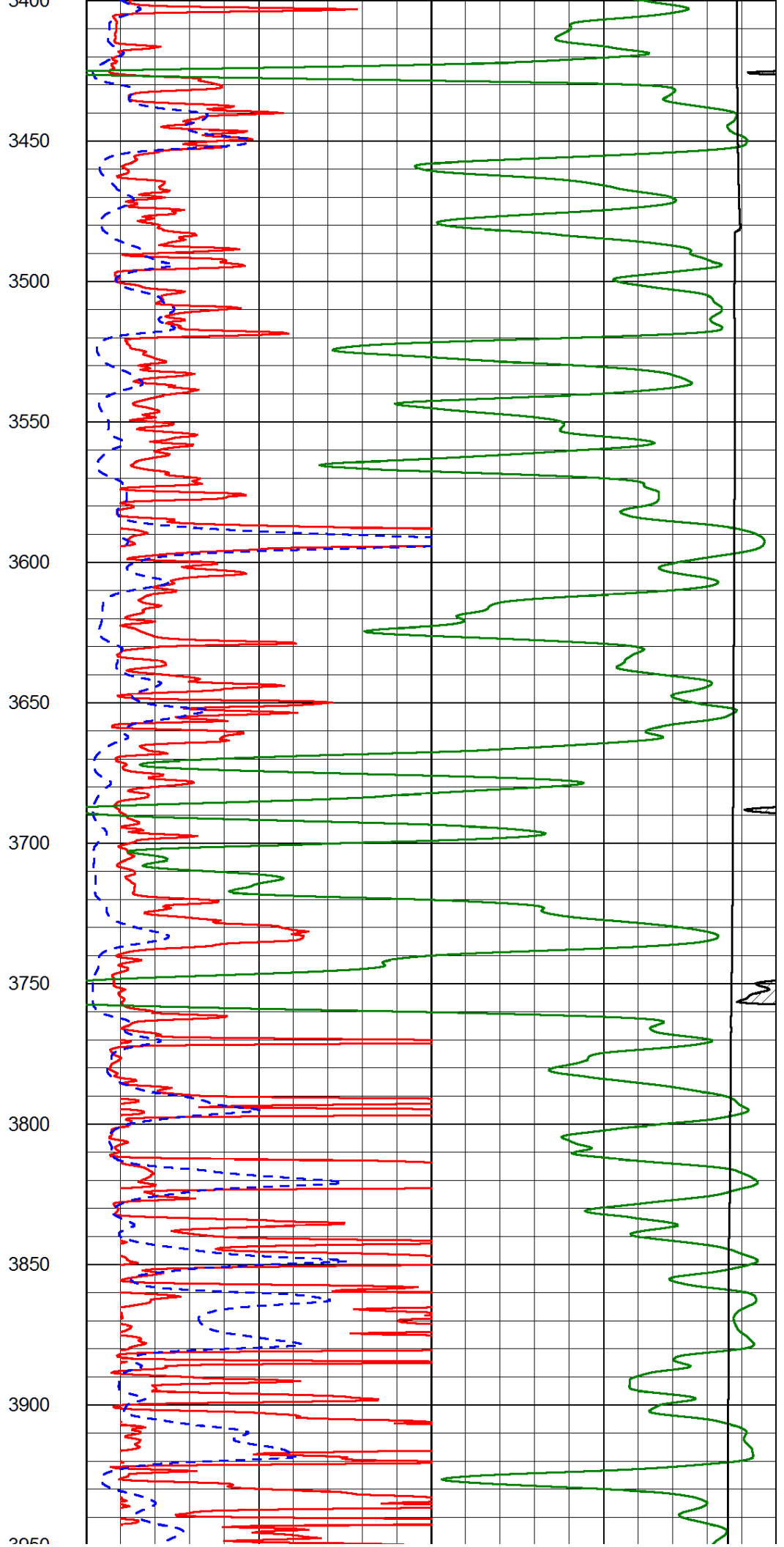
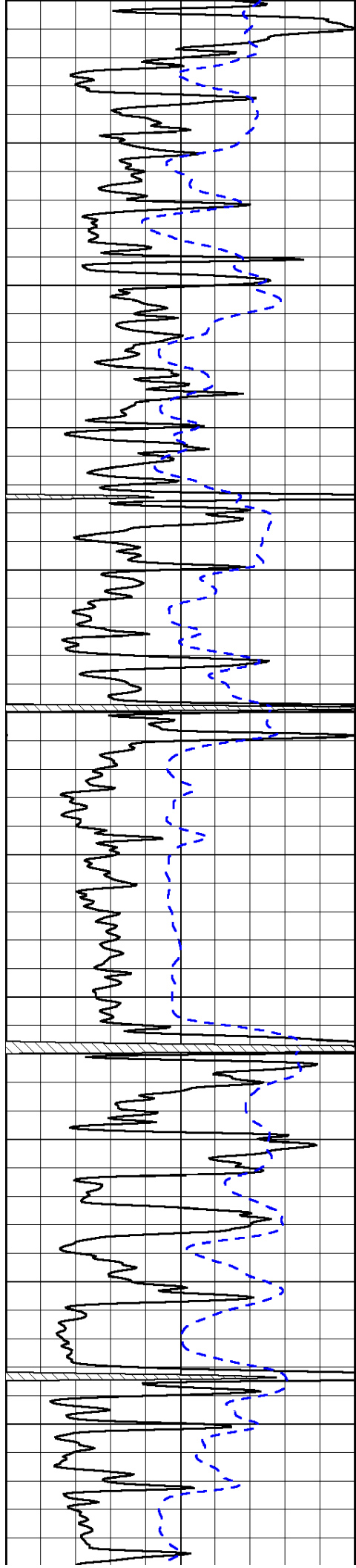


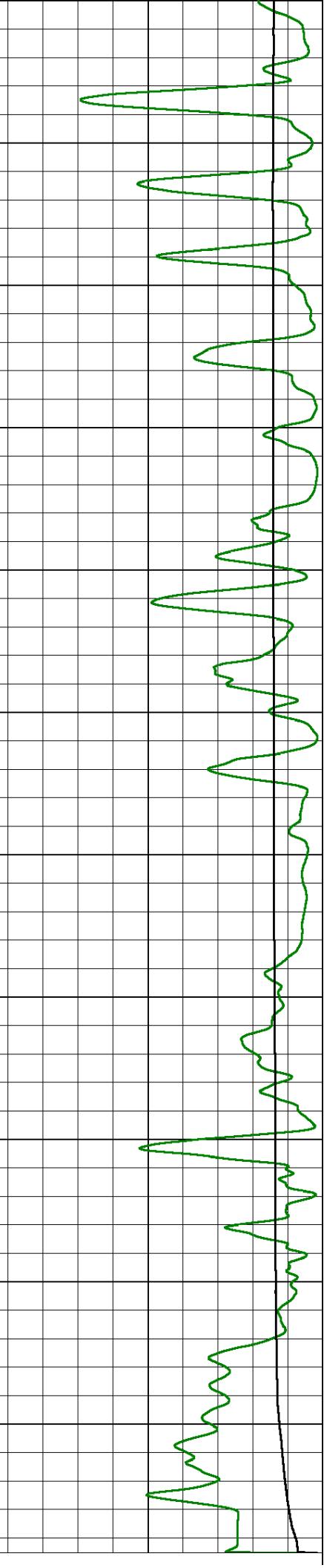
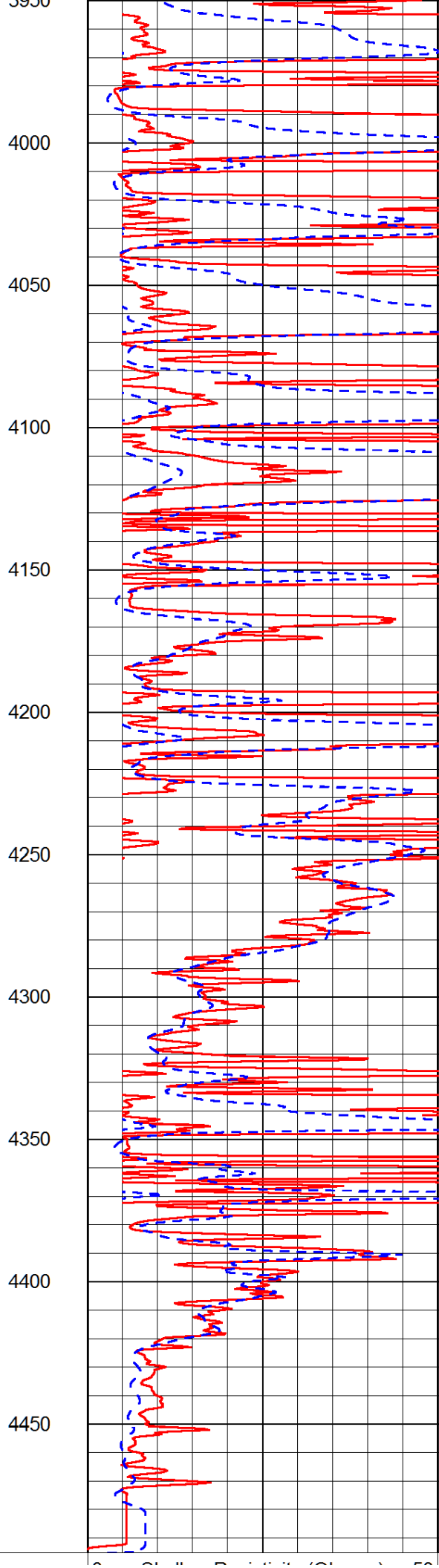
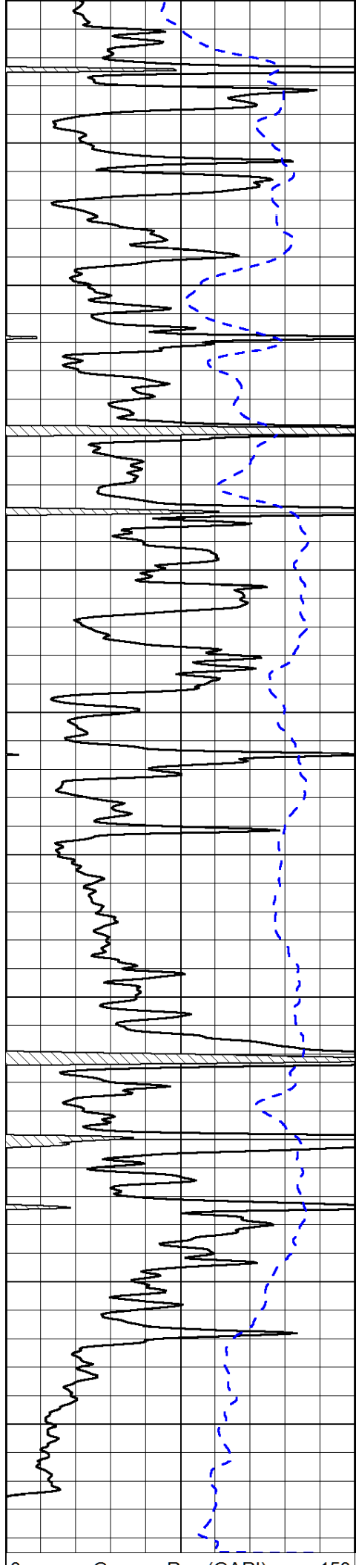




2850
2900
2950
3000
3050
3100
3150
3200
3250
3300
3350
3400



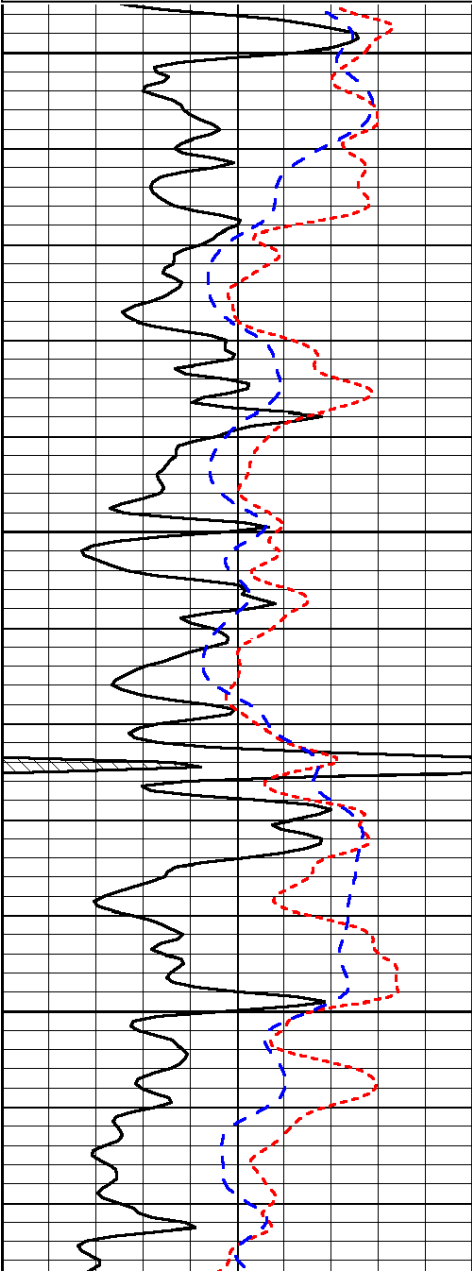




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-200	SP (mV)	0

0	Shallow Resistivity (Ohm-m)	50
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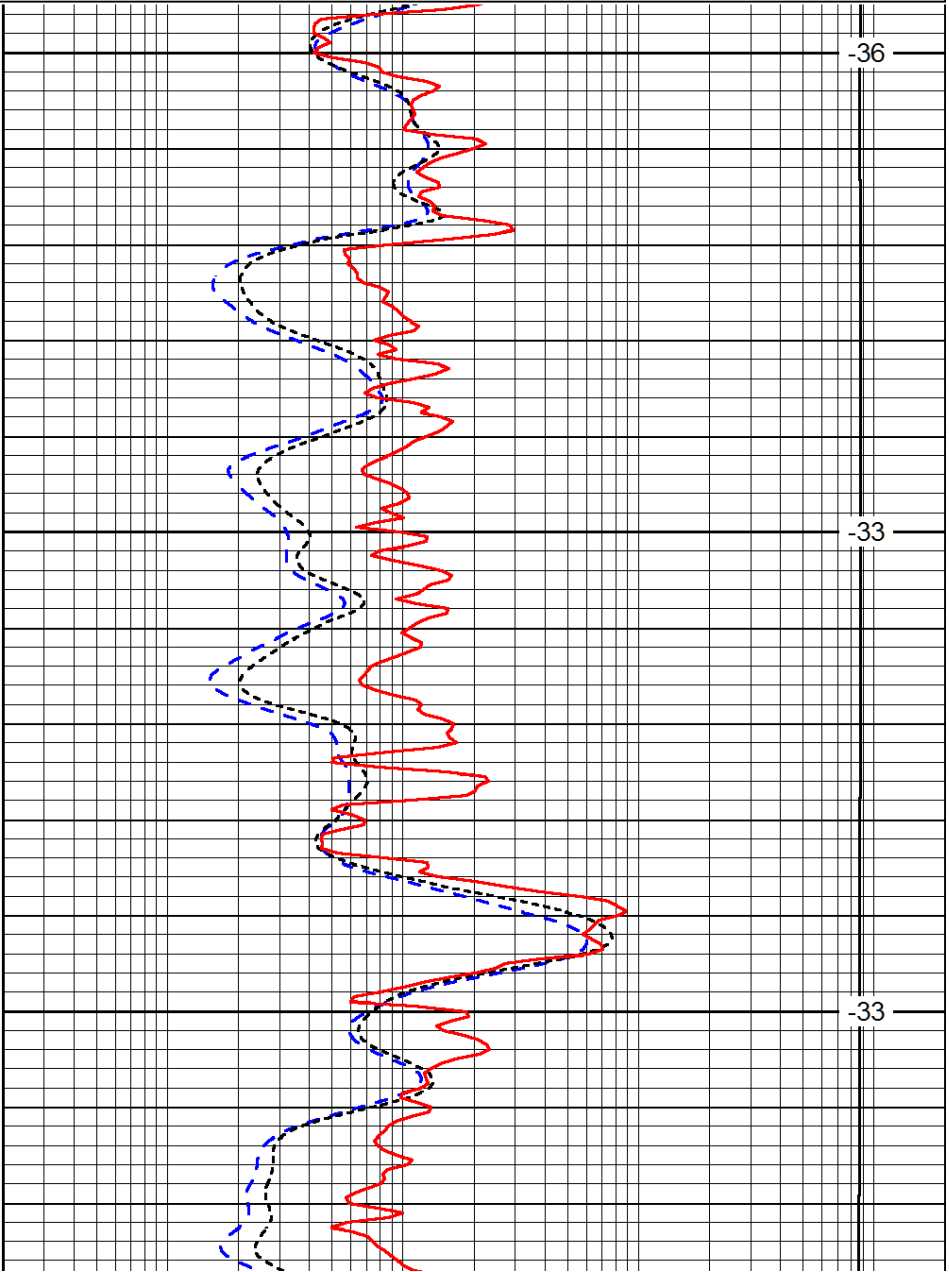
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Presentation Format: dil		
Dataset Creation: Mon Mar 18 01:30:42 2013		
Charted by: Depth in Feet scaled 1:240		
0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0
		LSPD (ft/min)



3500

3550

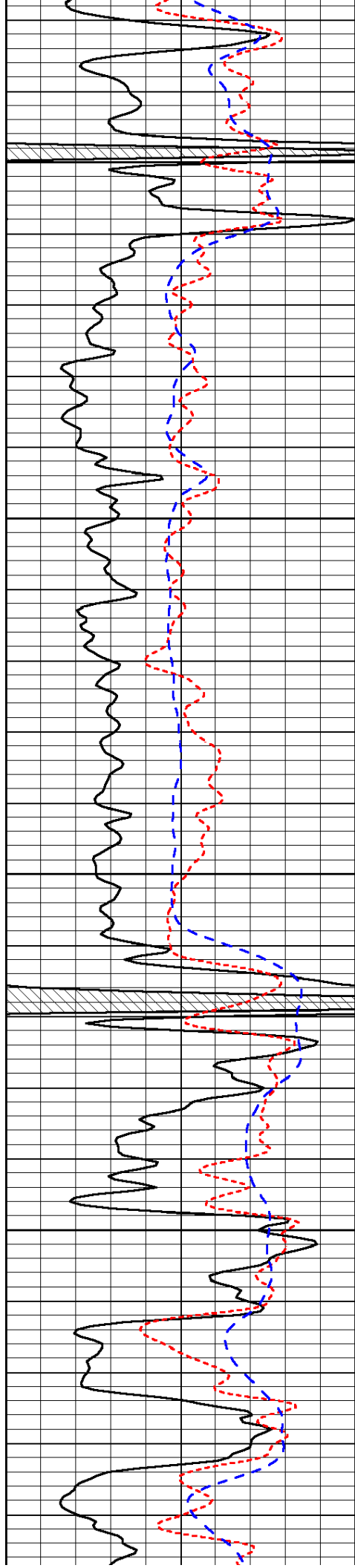
3600



-36

-33

-33

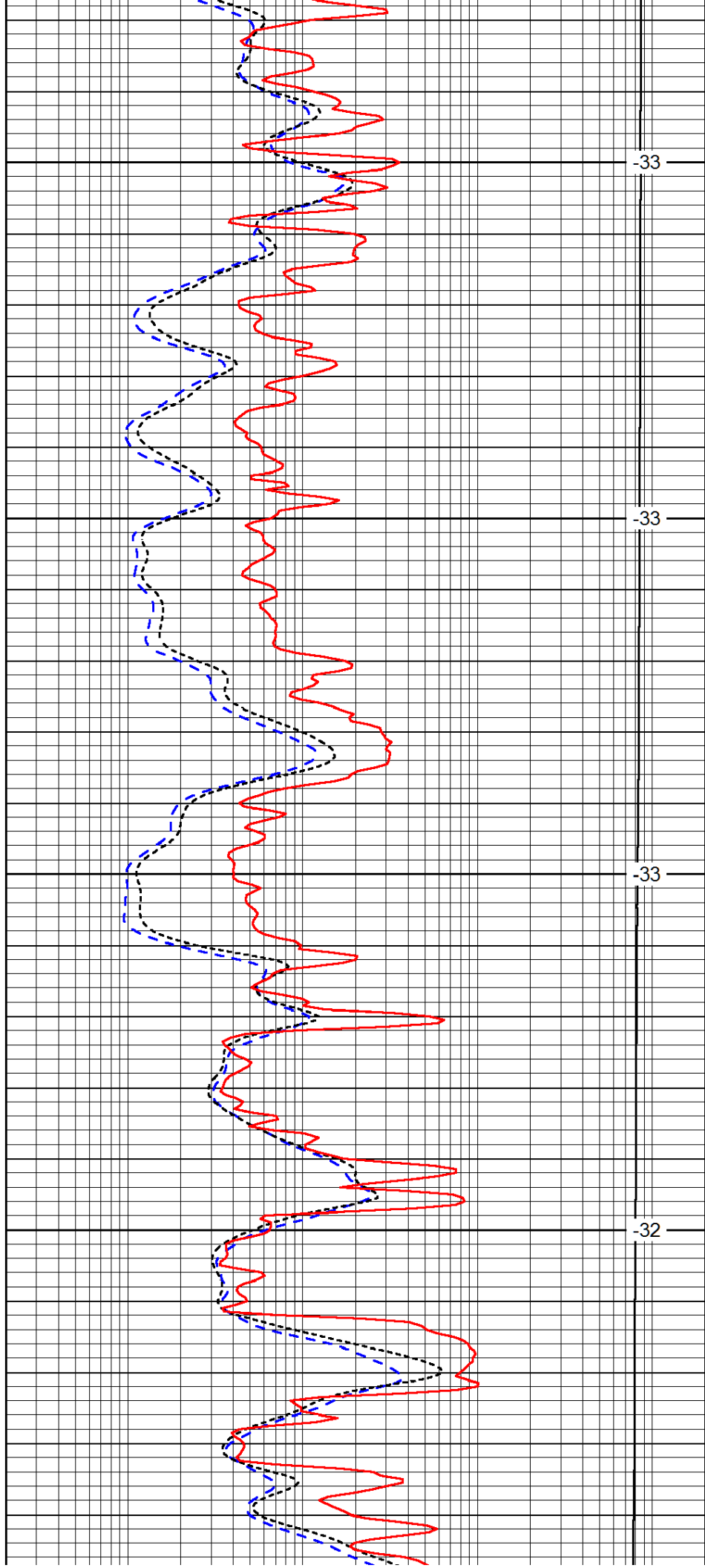


3650

3700

3750

3800

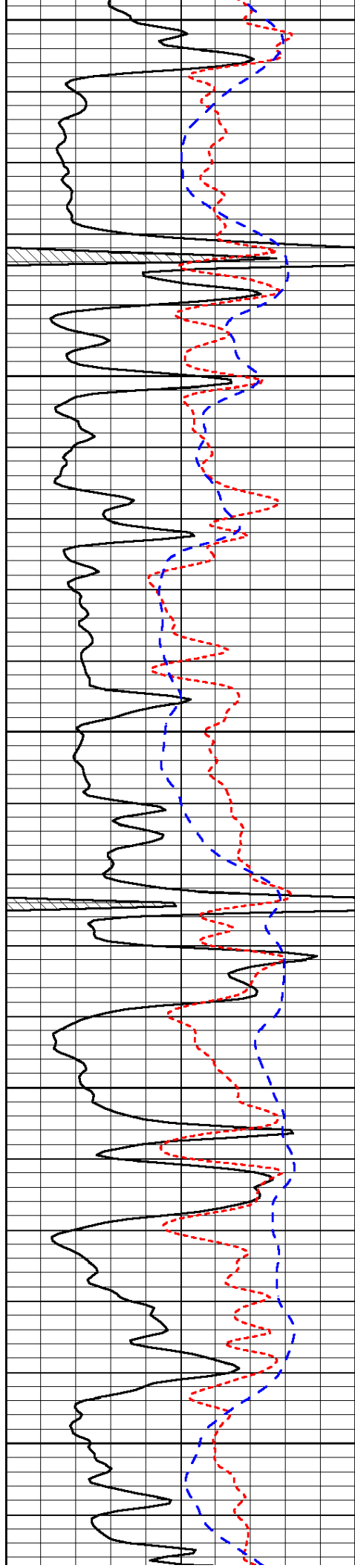


-33

-33

-33

-32



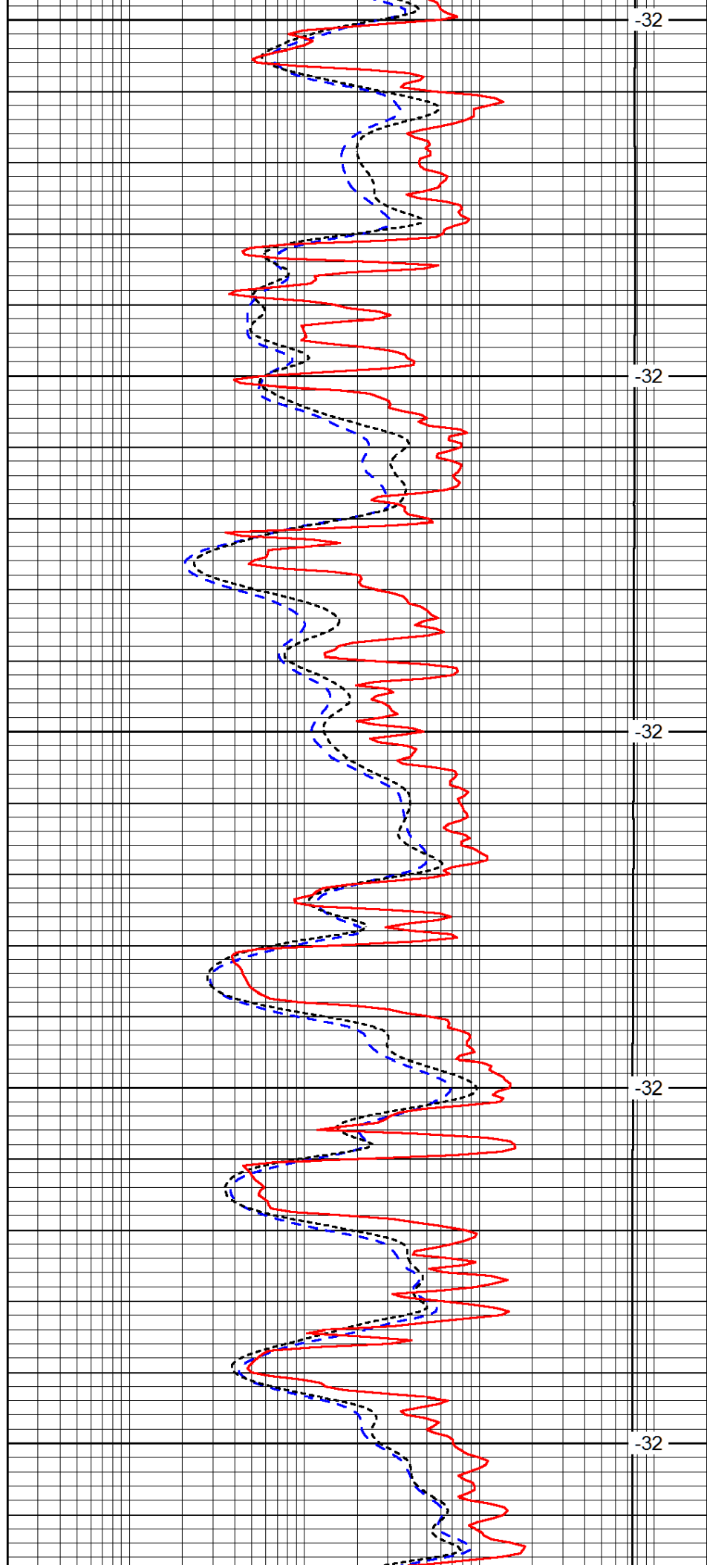
3850

3900

3950

4000

4050



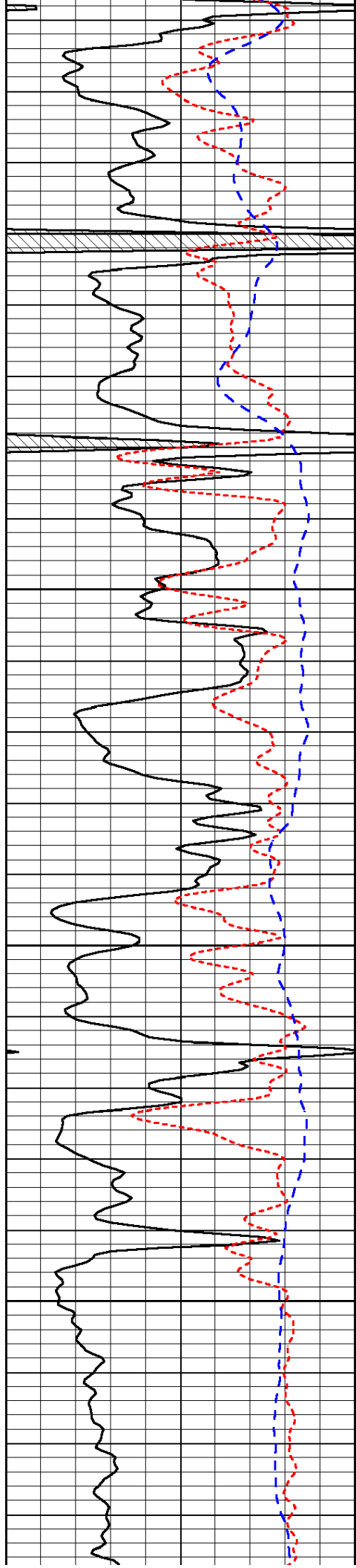
-32

-32

-32

-32

-32

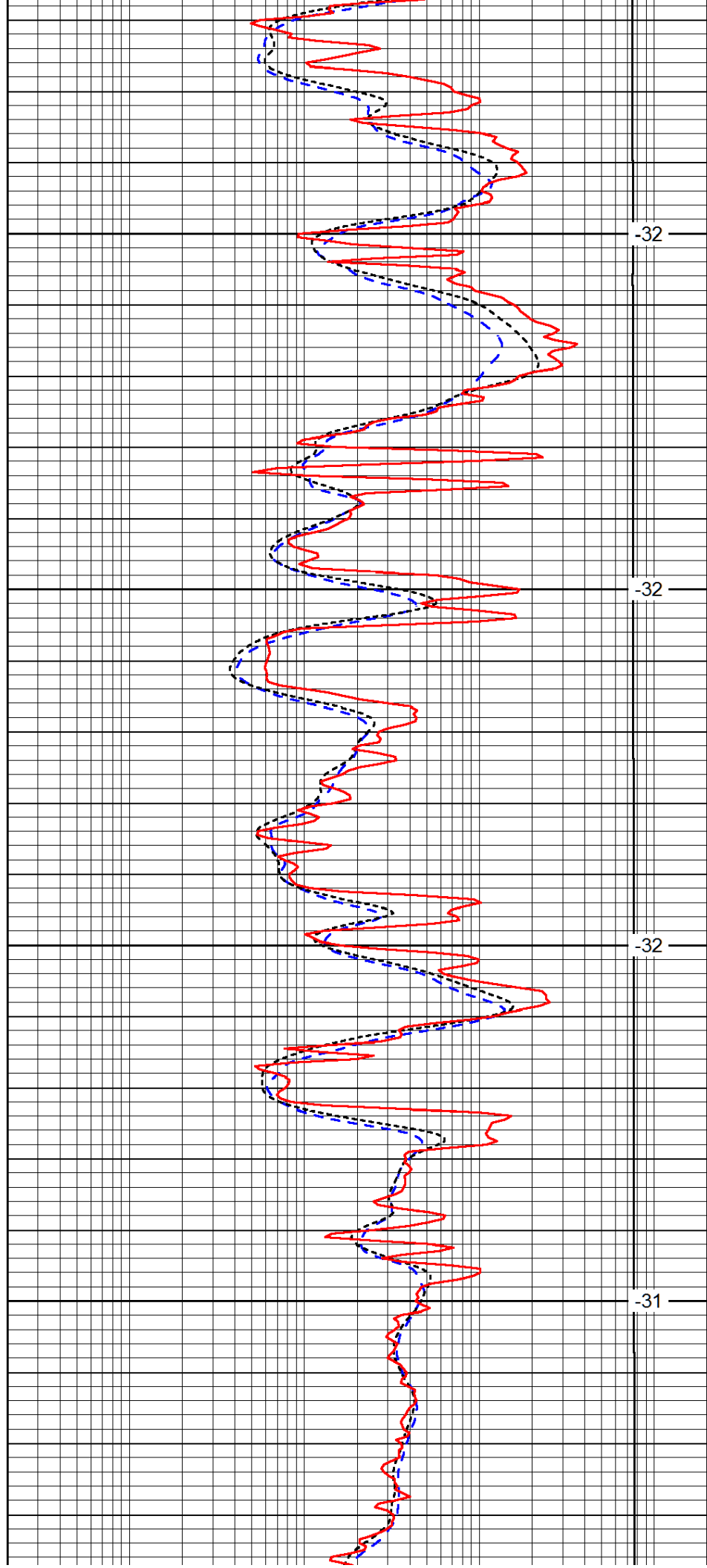


4100

4150

4200

4250

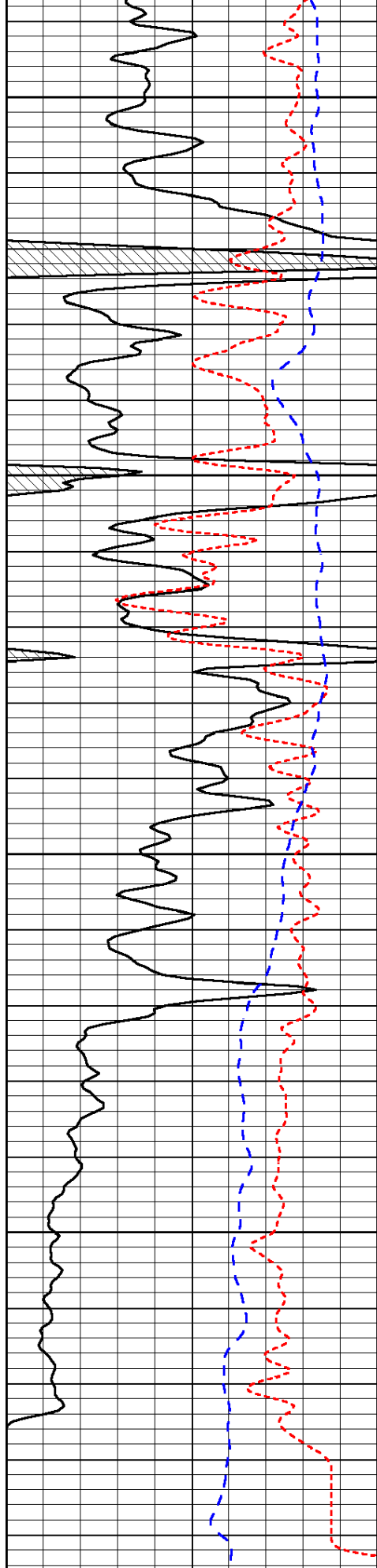


-32

-32

-32

-31



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

4300

4350

4400

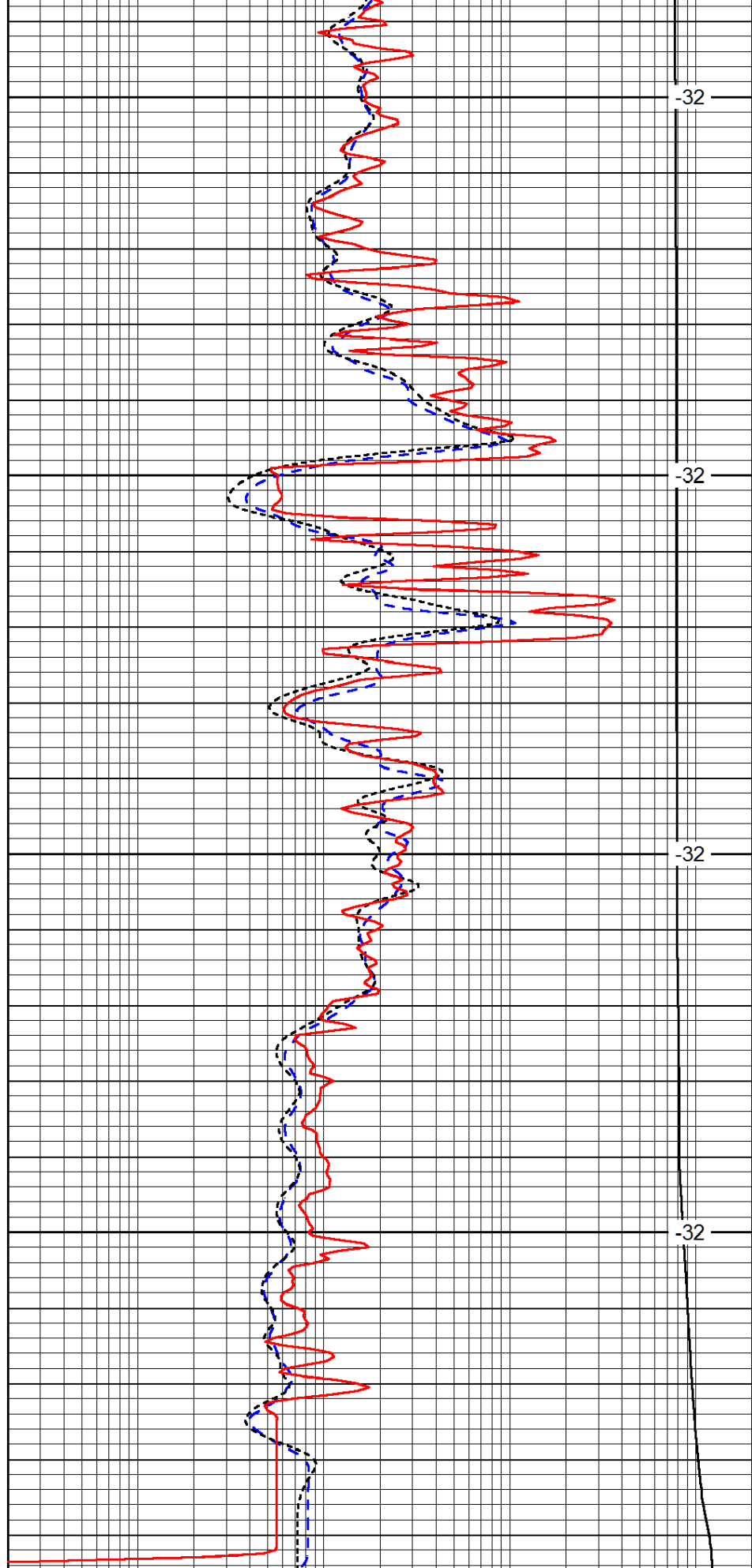
4450

-32

-32

-32

-32



0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000

200	Gr (mv)	0

0.2	Shallow Resistivity (Ohm-Ft)	2000
10000	Line Tension (lb)	0
		LSPD (ft/min)