



Dual Induction Log

Pioneer Energy Services

API No.

15-163-24143-00-00

Company Brito Oil Company, Inc.

Well Griebel-Miller #1-33

Field Wildcat

County Rocks

State

Kansas

Location

950' FNL / 1450' FWL

Other Services
CNL/CDL
MEL/BHCS

Sec: 33

Twp: 6S

Rge: 19W

Elevation 2076

K.B. 2081

Permanent Datum Ground Level Kelly Bushing 5 Ft. Above Perm. Datum

D.F. 2076

Drilling Measured From Kelly Bushing

G.L. 2076

Date 10/11/2013

Run Number One

Depth Driller 3690

Depth Logger 3690

Bottom Logged Interval 3689

Top Log Interval 200

Casing Driller 8.625 @ 218

Casing Logger 216

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 1200

Density / Viscosity 9.2 60

pH / Fluid Loss 10.5 6.0

Source of Sample Flowline

Rm @ Meas. Temp 1.40 @ 60

Rmf @ Meas. Temp 1.05 @ 60

Rmc @ Meas. Temp 1.89 @ 60

Source of Rmf / Rmc Charts

Rm @ BHT 0.74 @ 113

Operating Rig Time 5 Hours

Max Rec. Temp. F 113

Equipment Number 17

Location Hays

Recorded By R. Barnhart

Witnessed By Roger Martin

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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

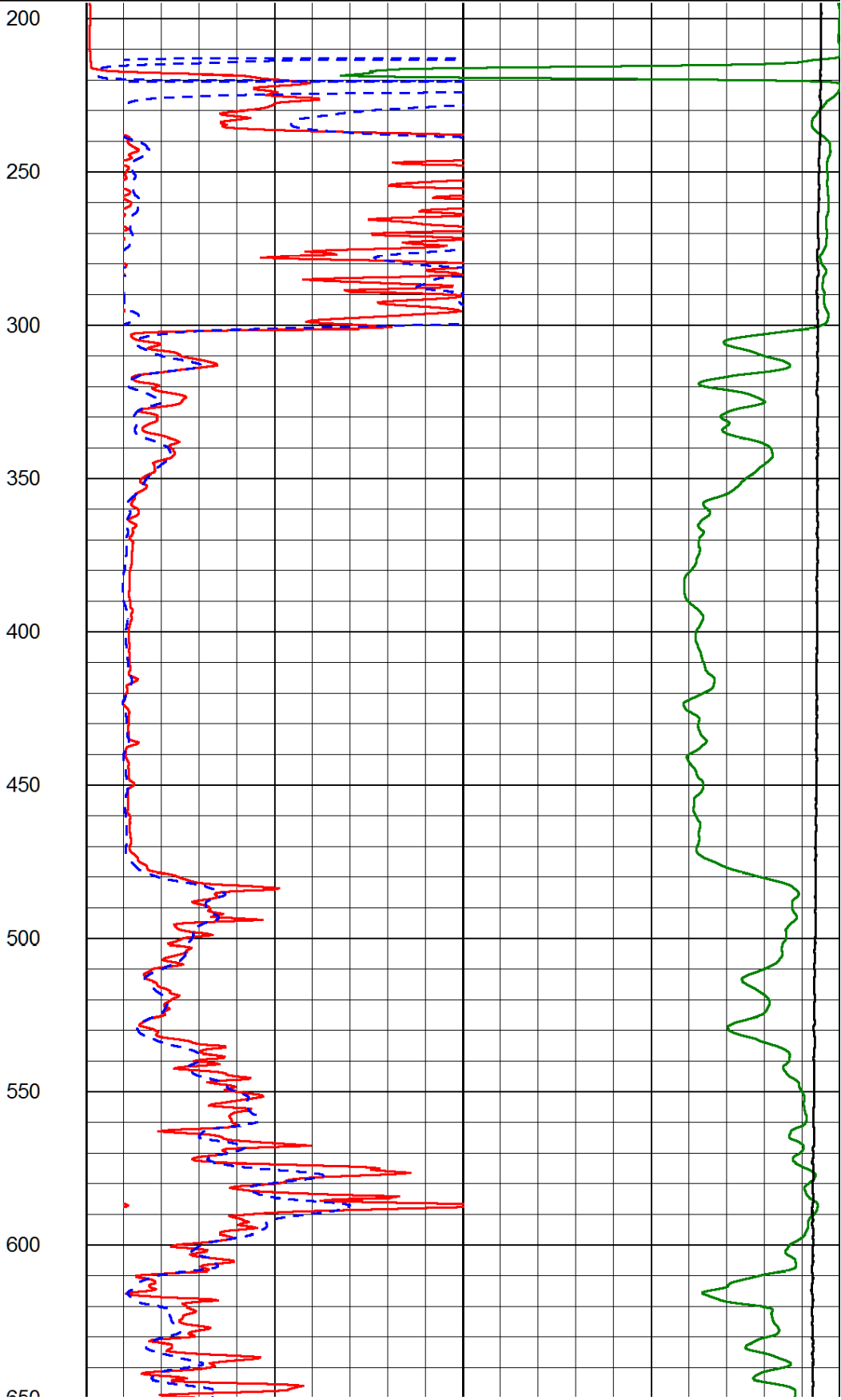
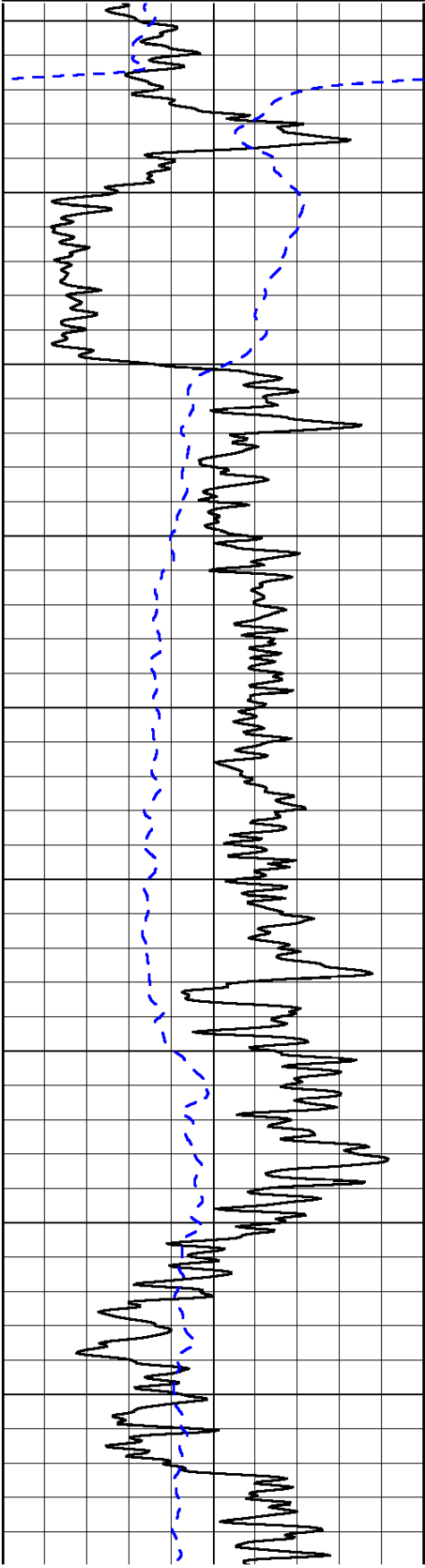
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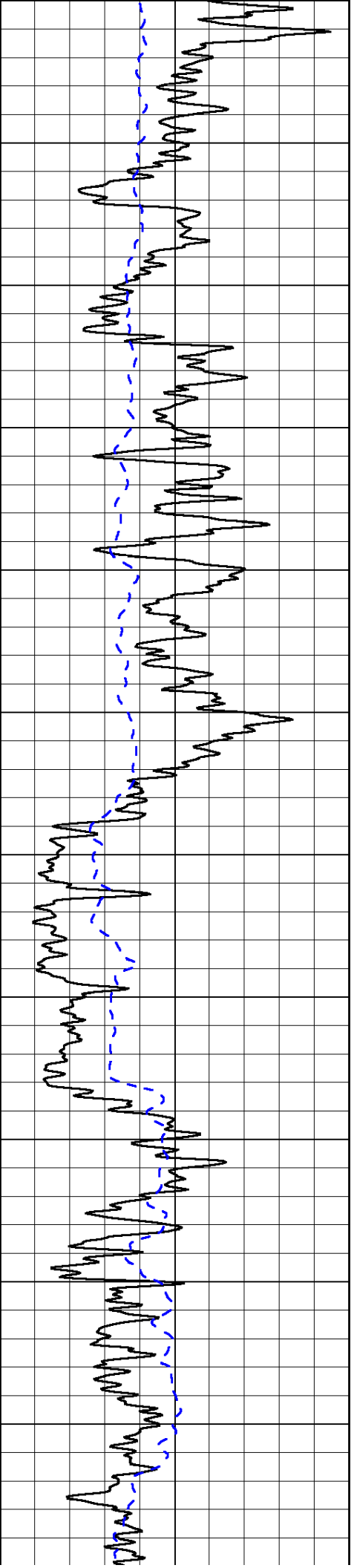
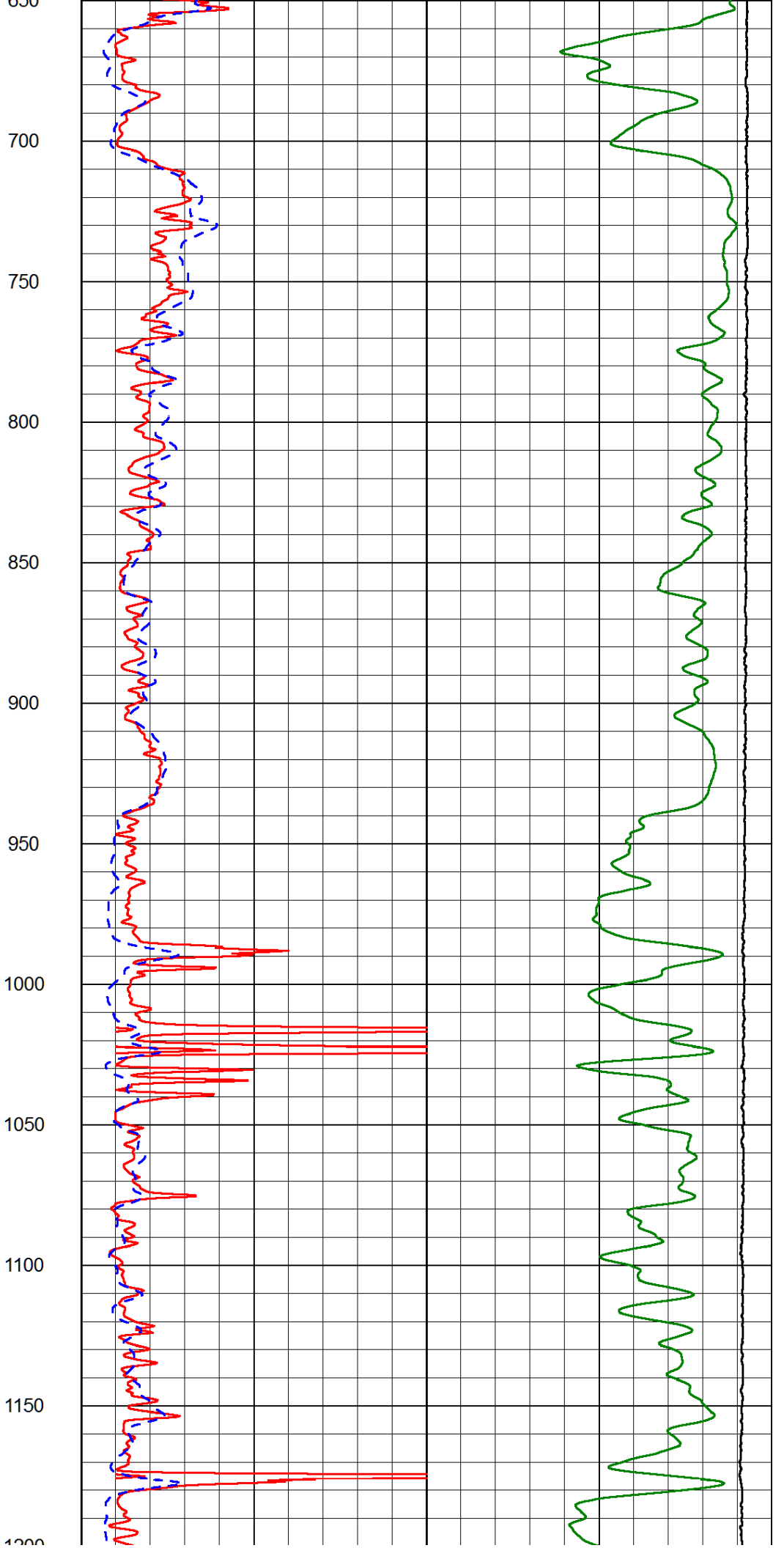
Stockton, KS:
1W of Webster Dam to Rd. 9, 5N, E and S into

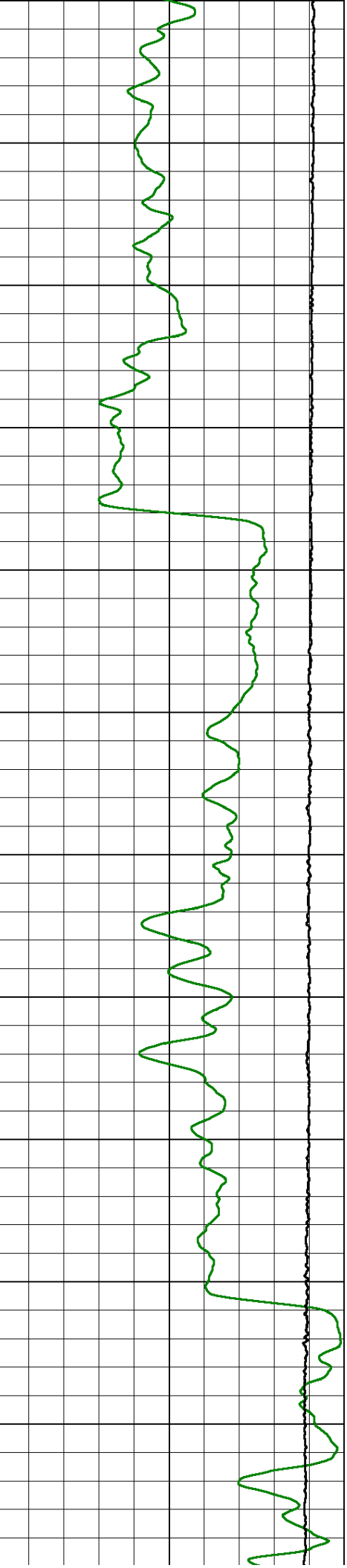
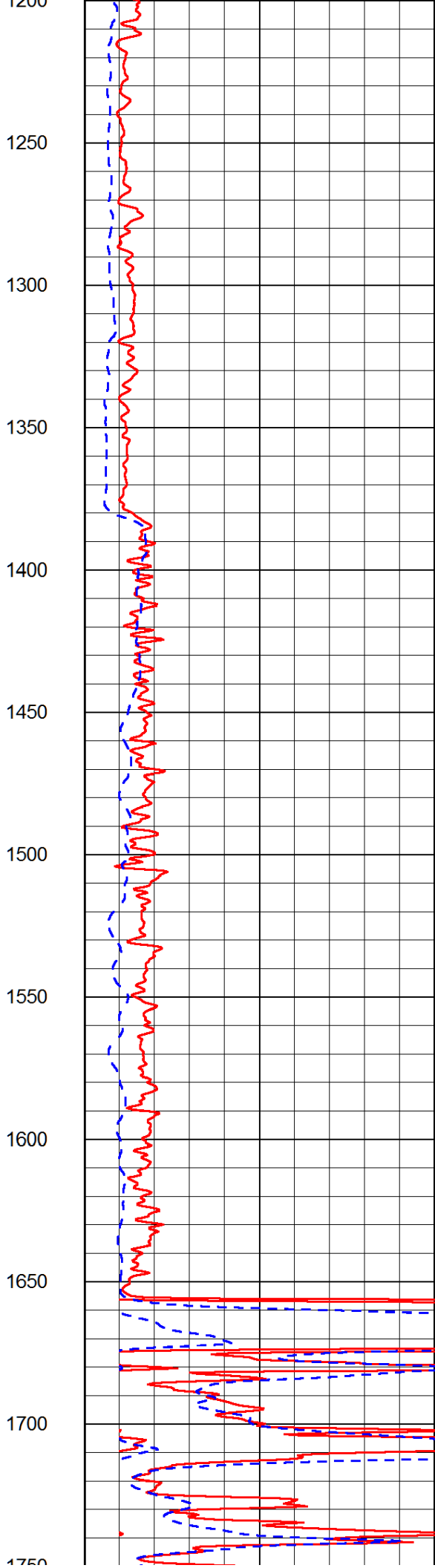
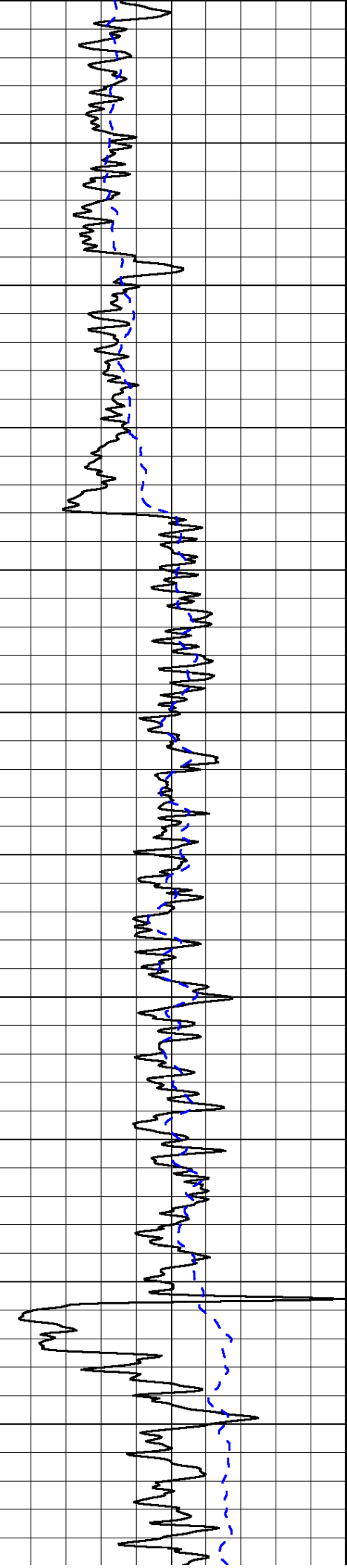
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Charted by: Depth in Feet scaled 1:600

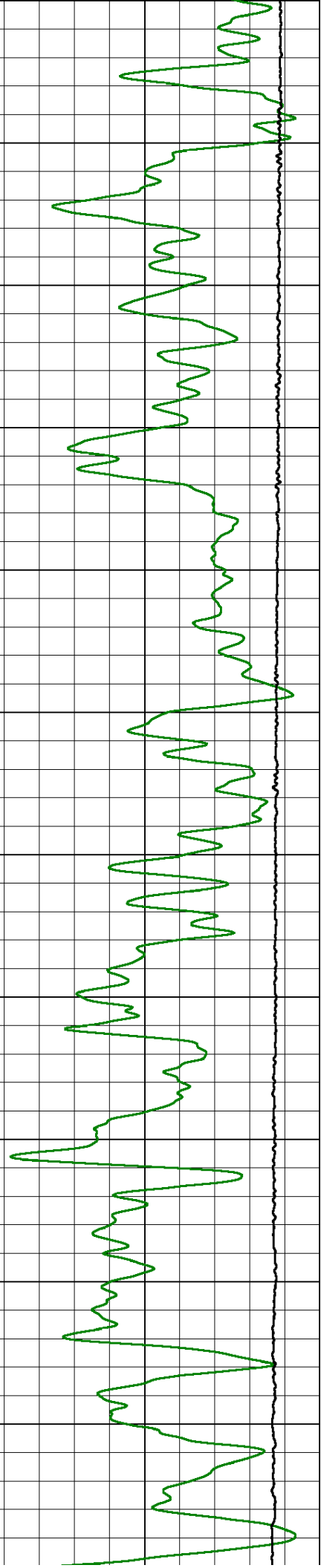
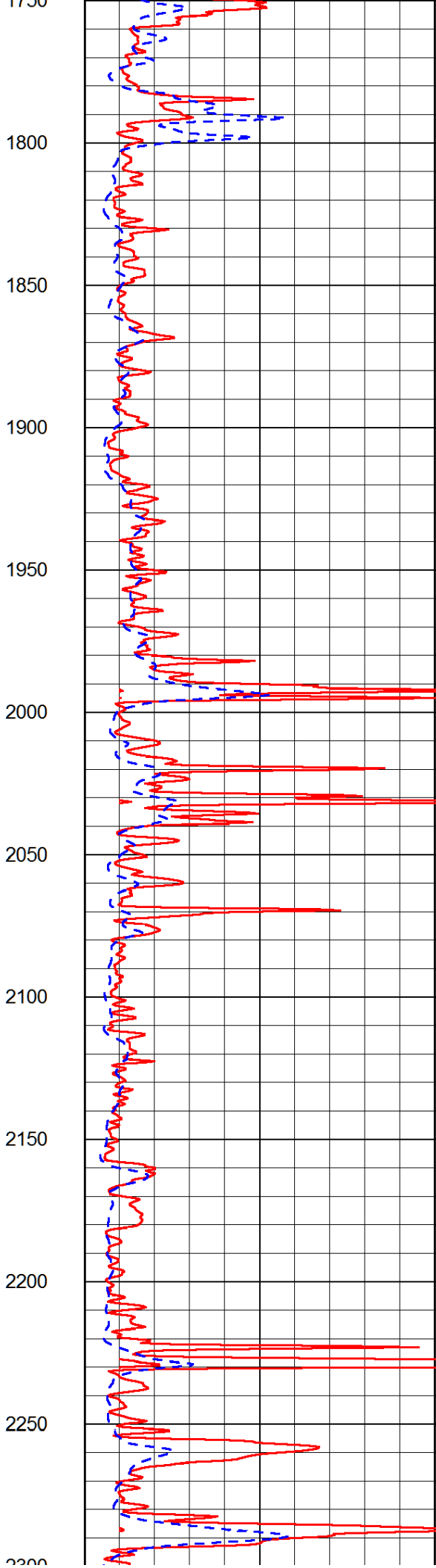
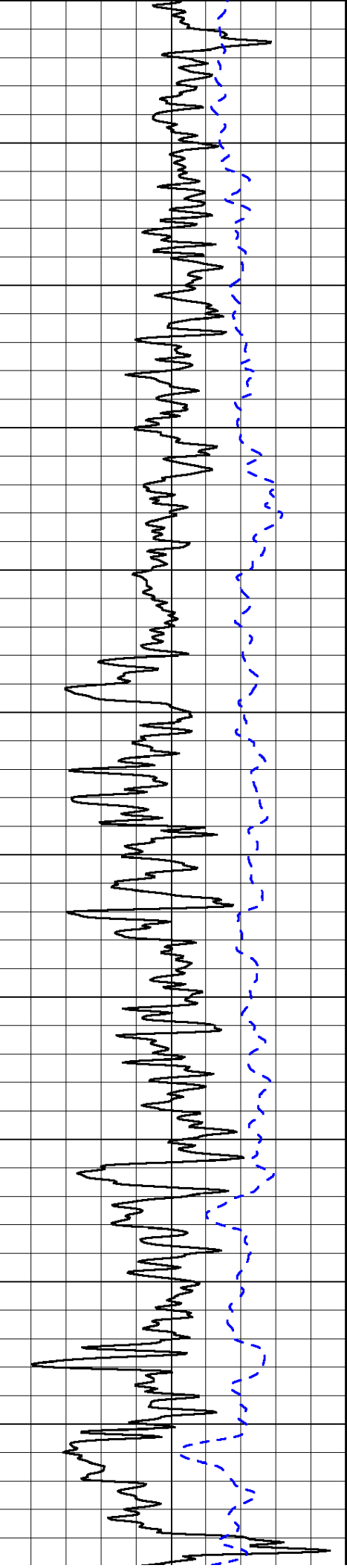
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-200	SP (mV)	0

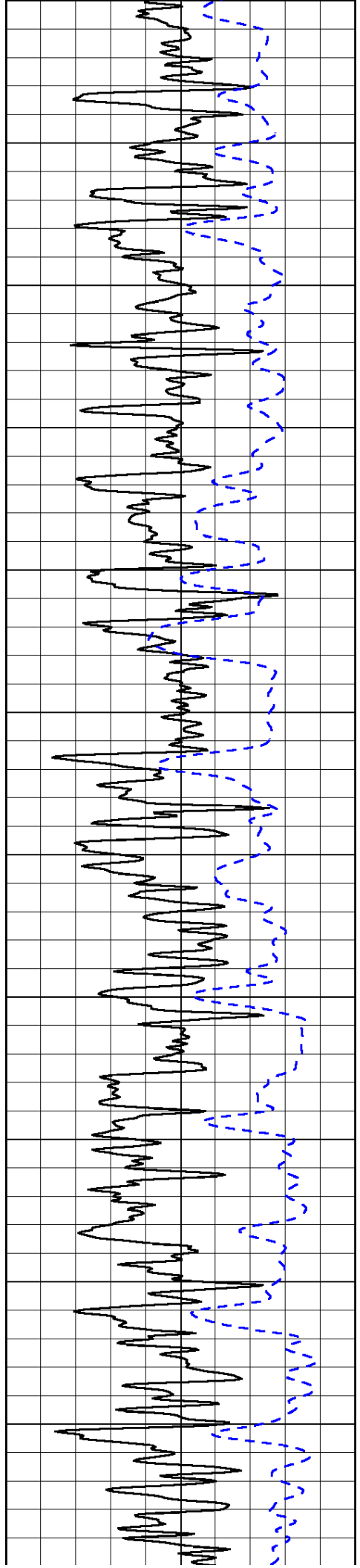
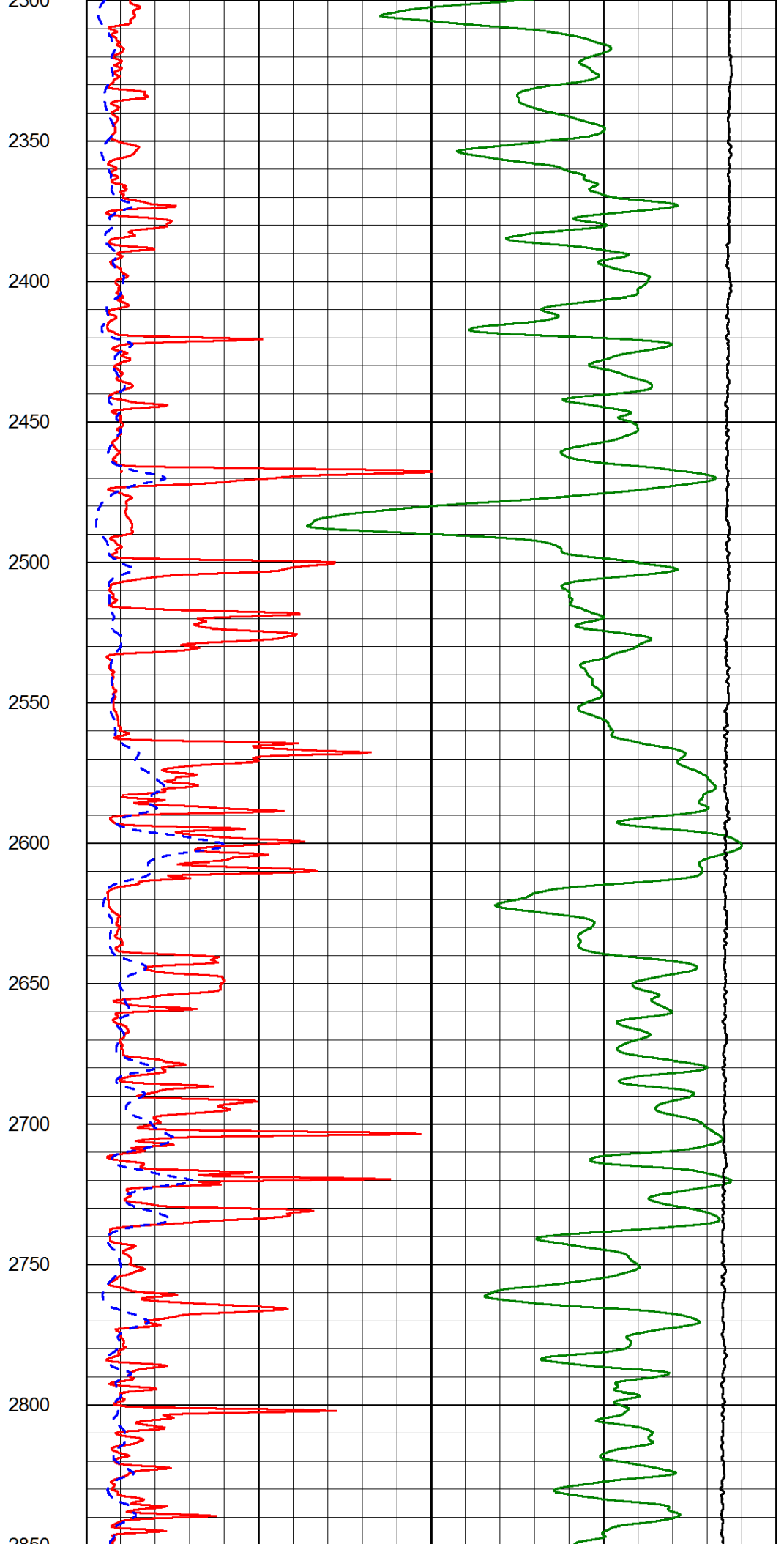
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (Ohm-m)	0
15000	Line Tension (lb)	0
Shallow Resistivity		
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

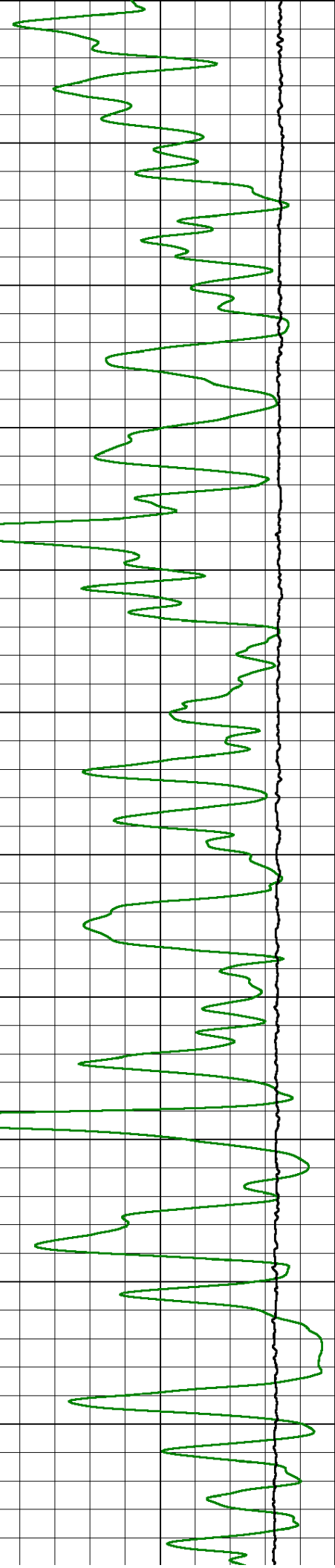
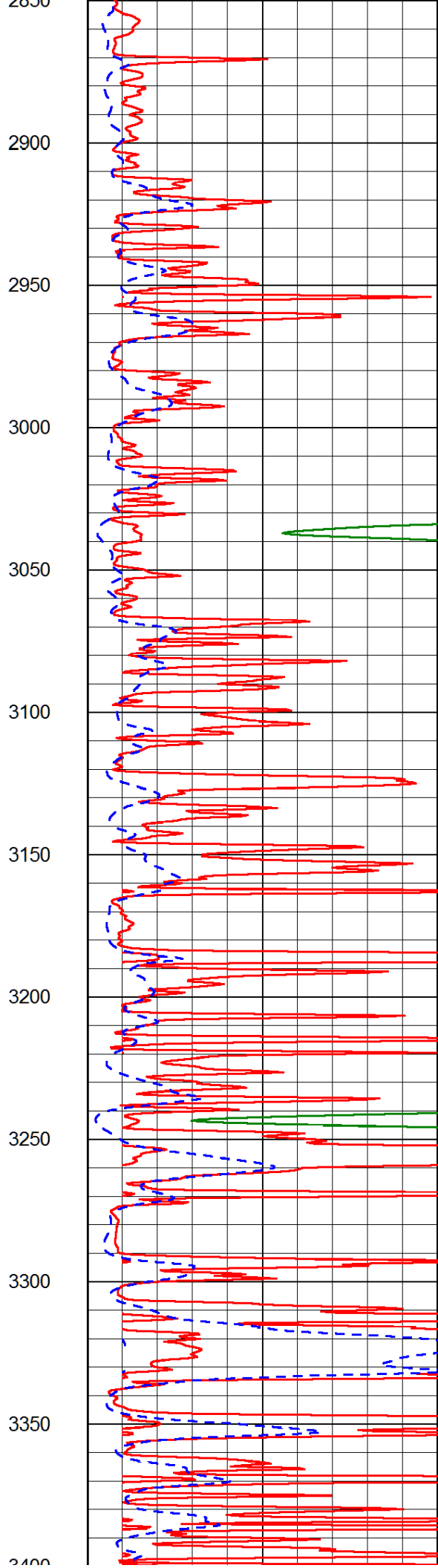
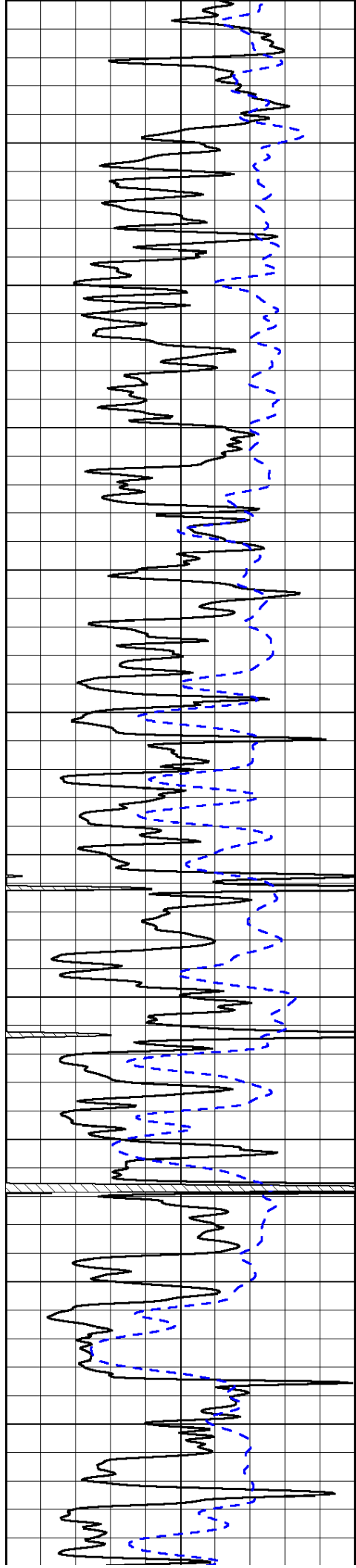


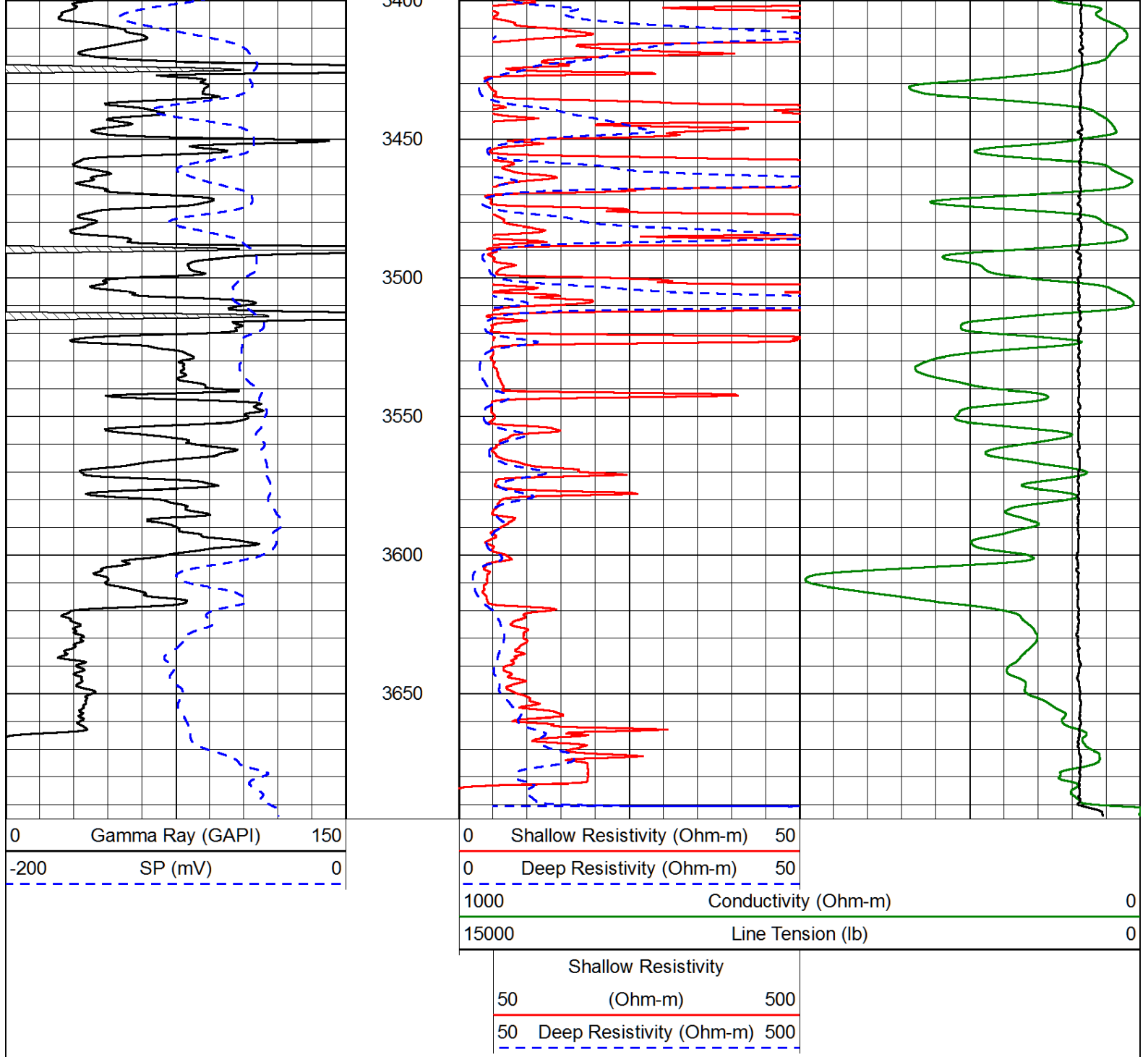




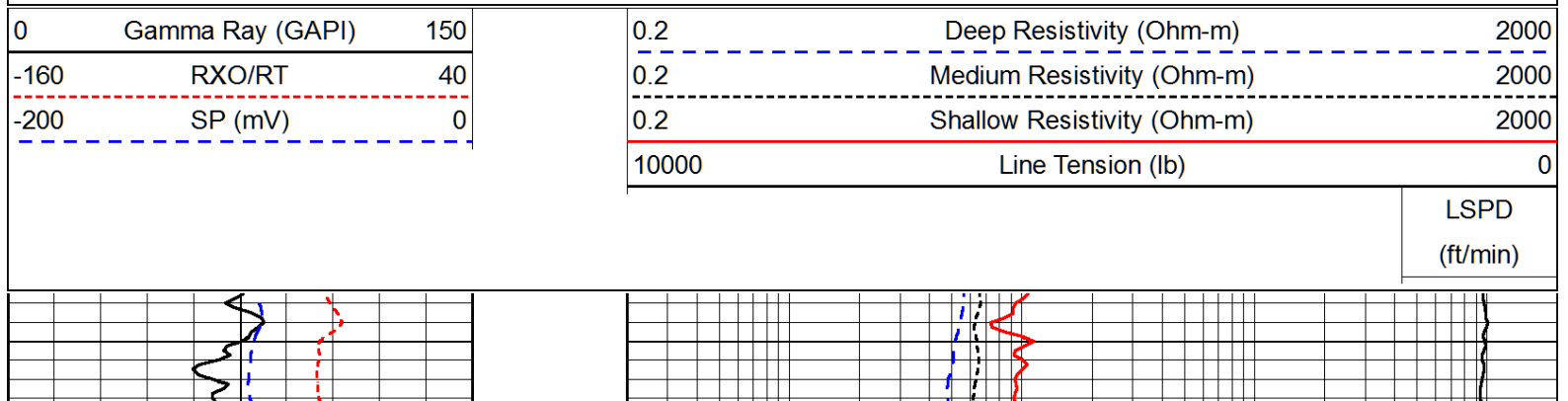


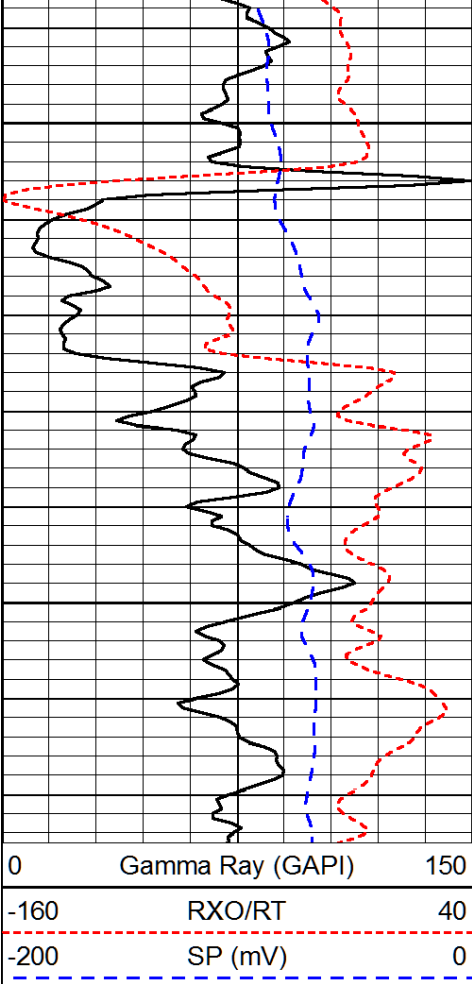






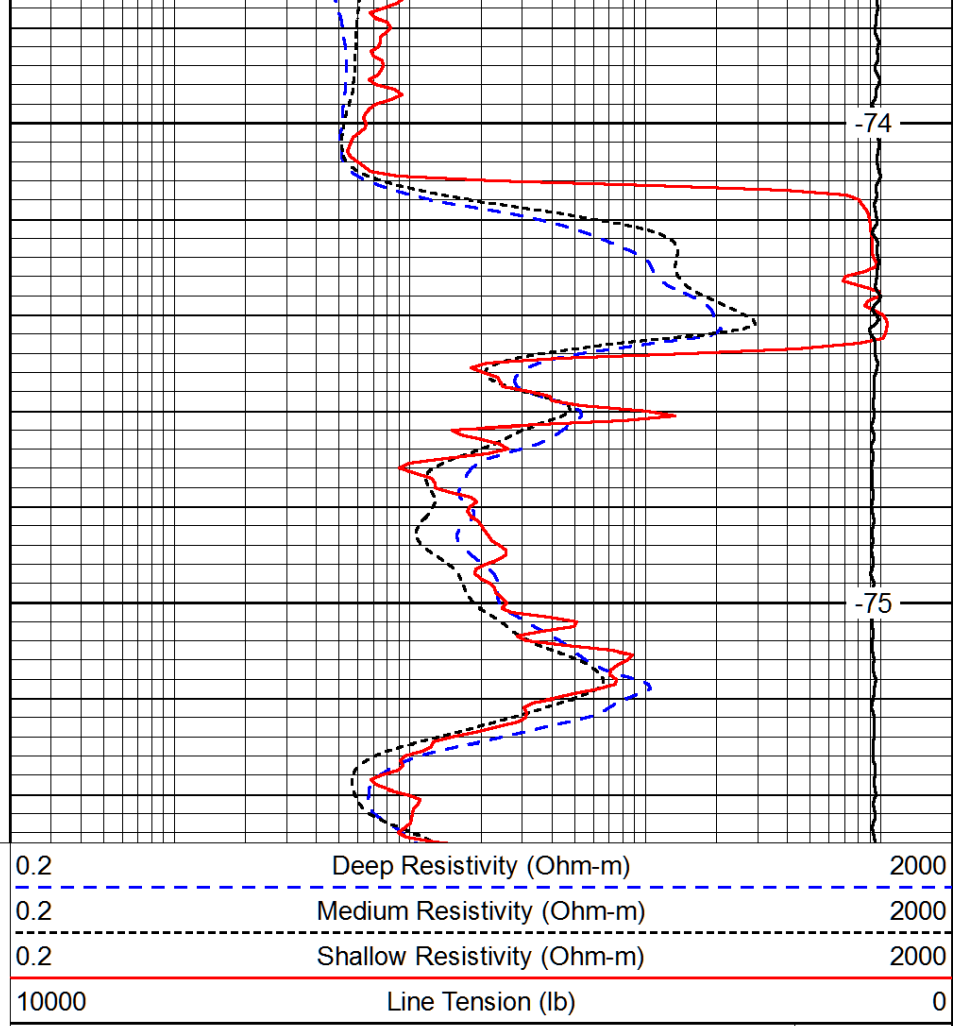
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1650

1700

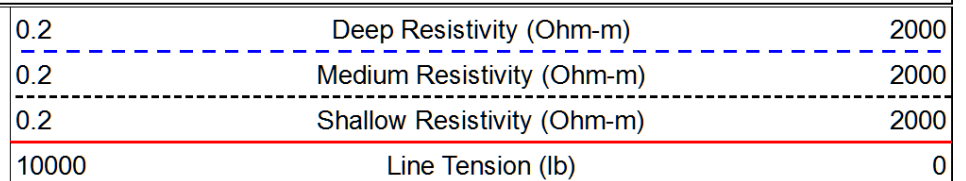
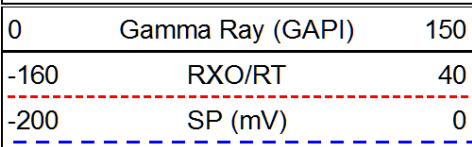


-74

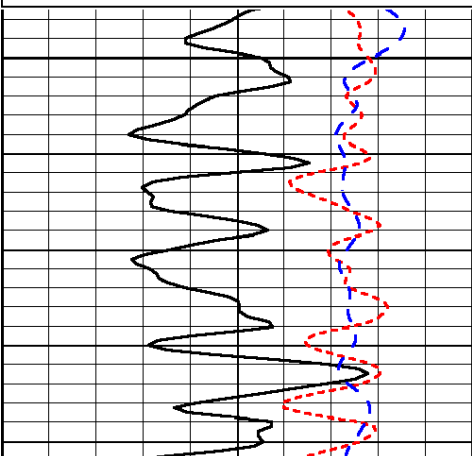
-75

LSPD
(ft/min)

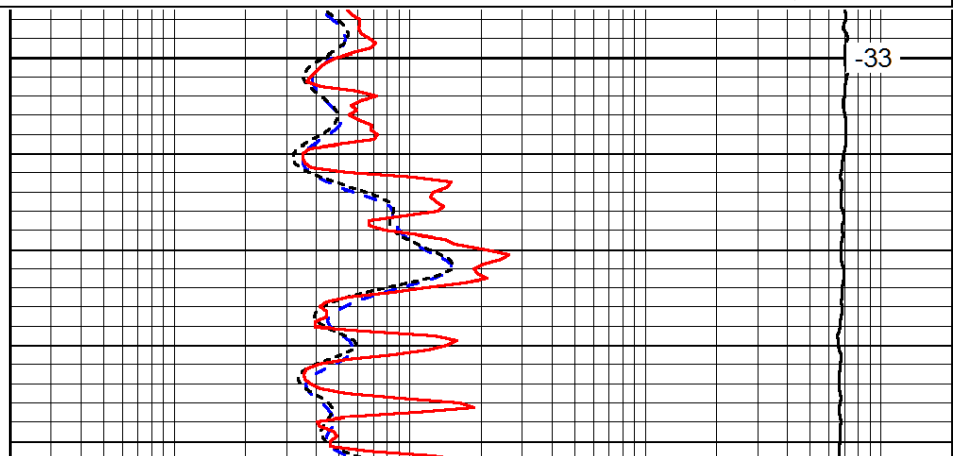
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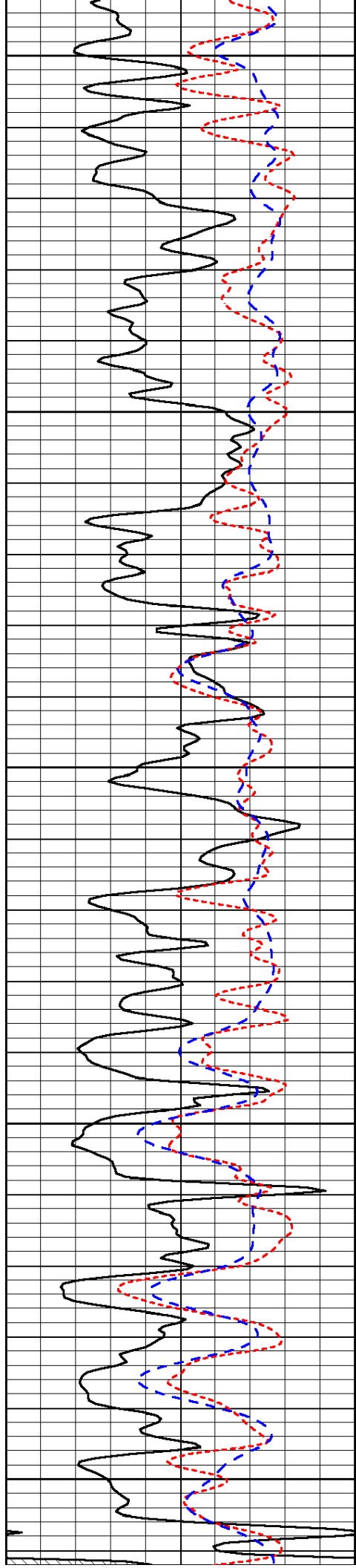
LSPD
(ft/min)



2900



-33



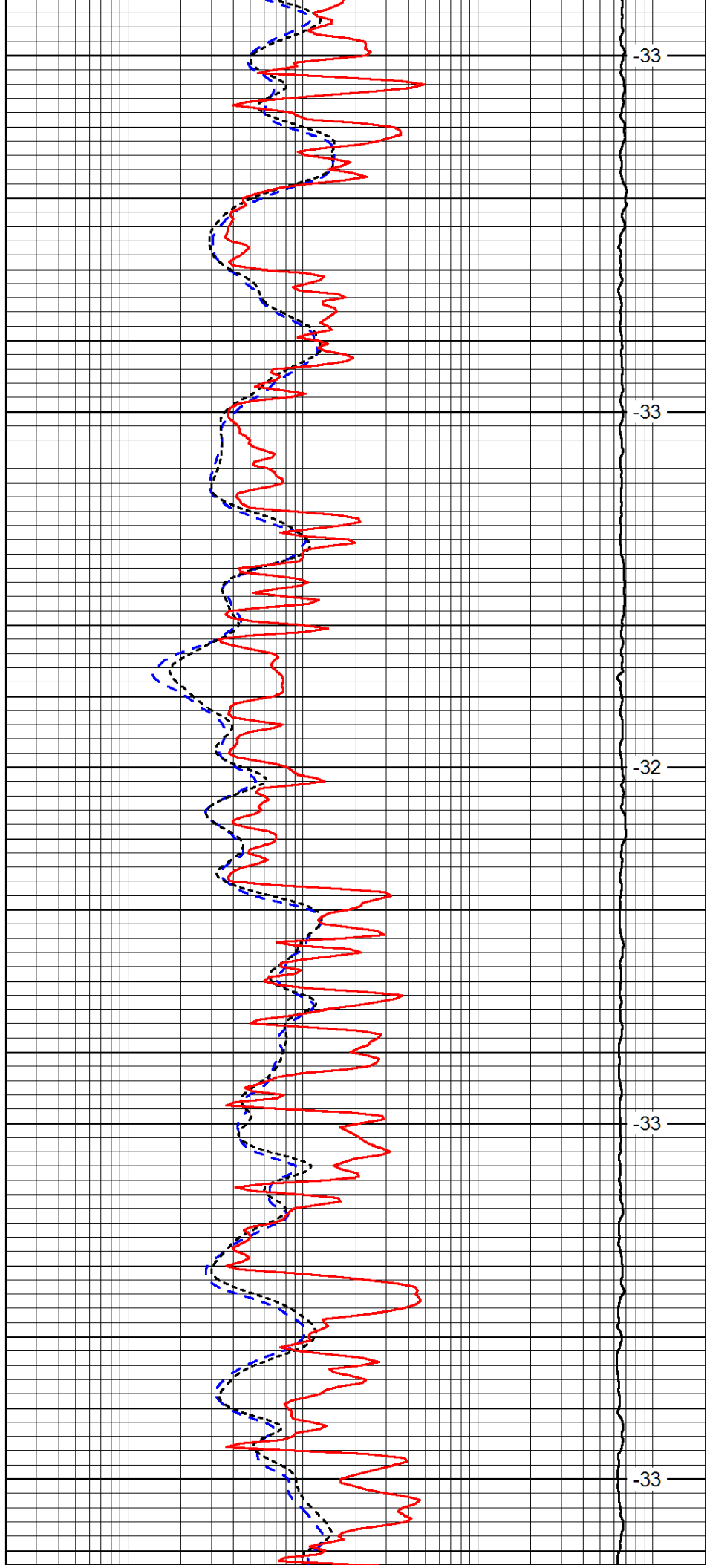
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3000

3050

3100

3150



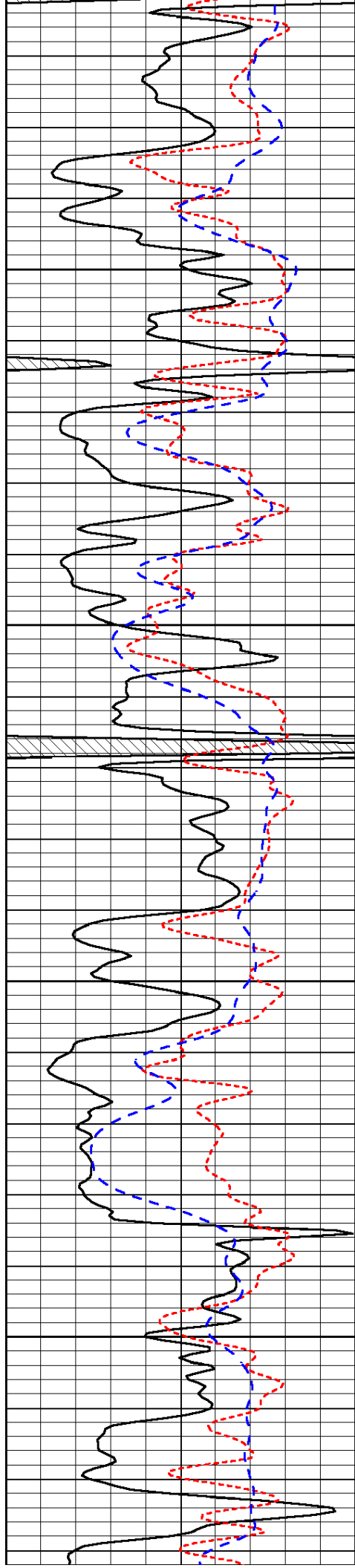
-33

-33

-32

-33

-33

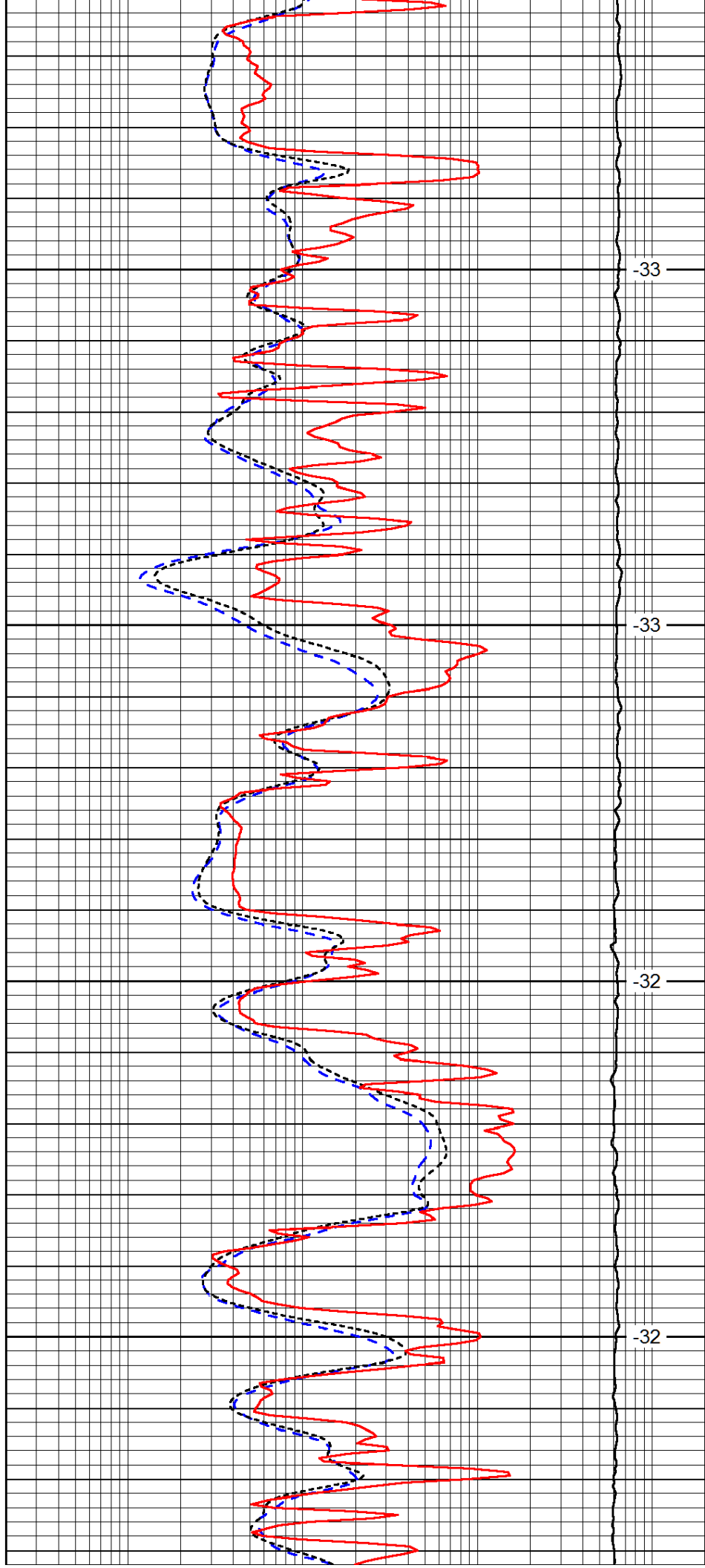


3200

3250

3300

3350

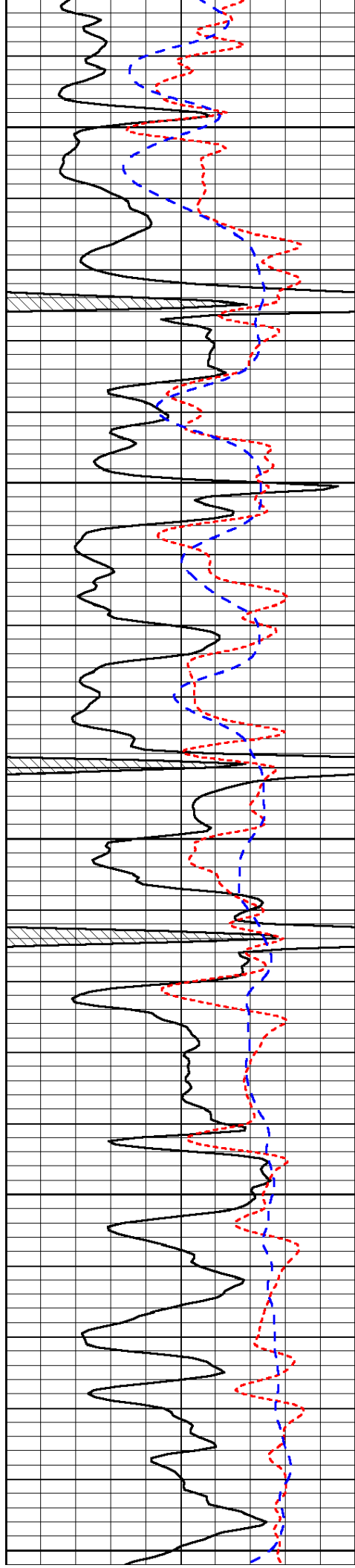


-33

-33

-32

-32



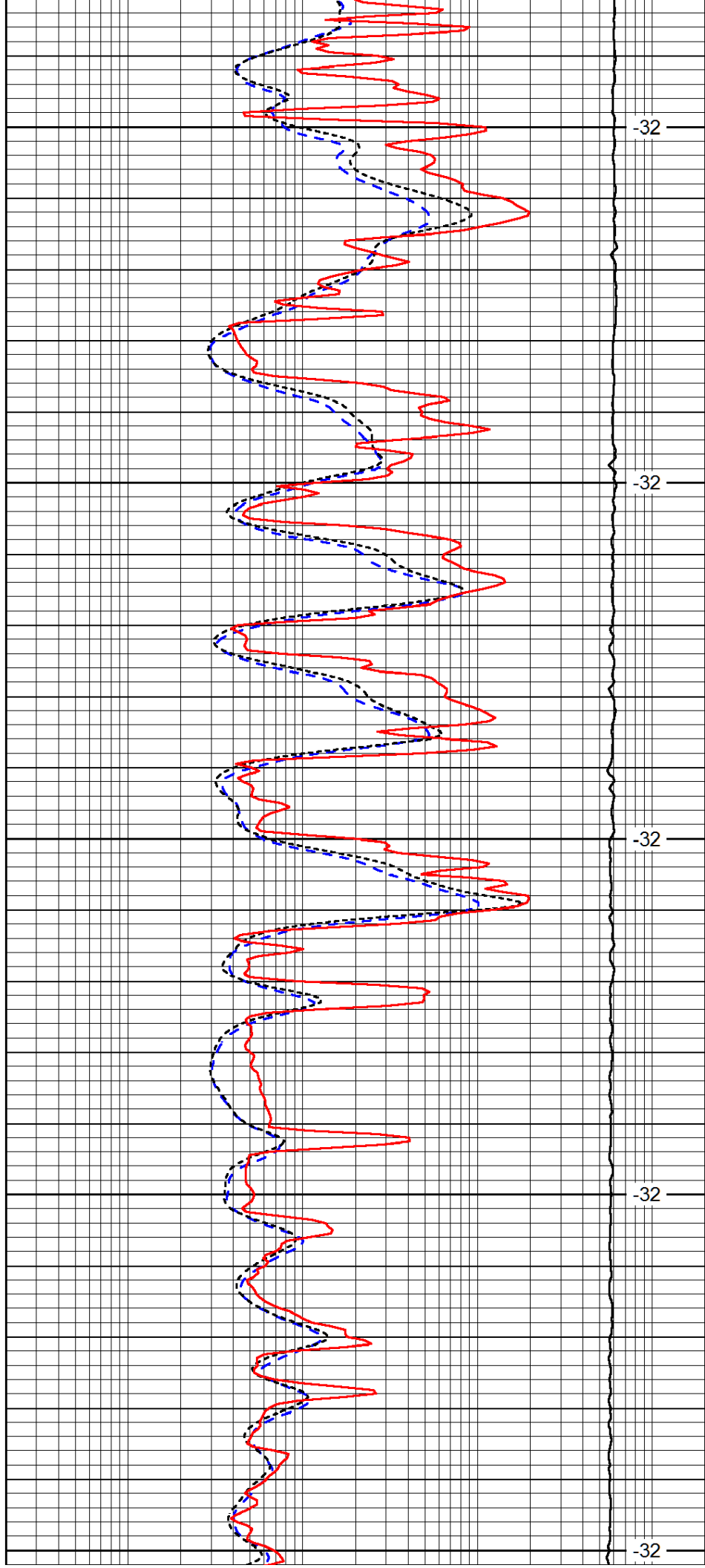
3400

3450

3500

3550

3600



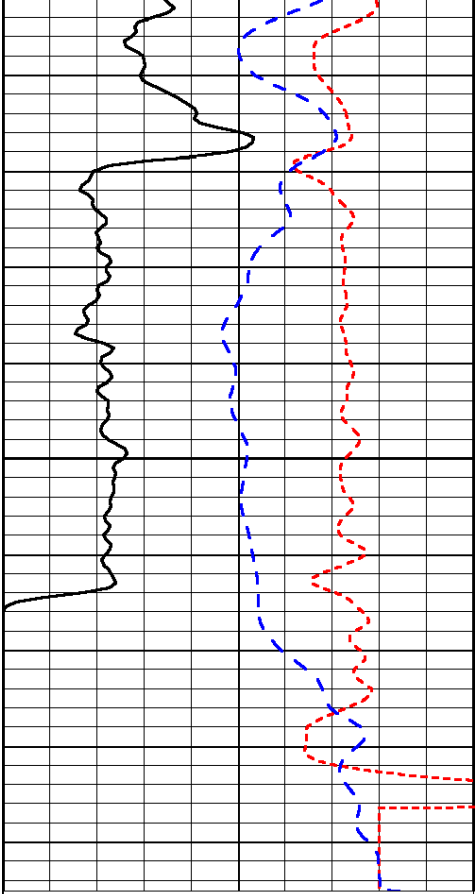
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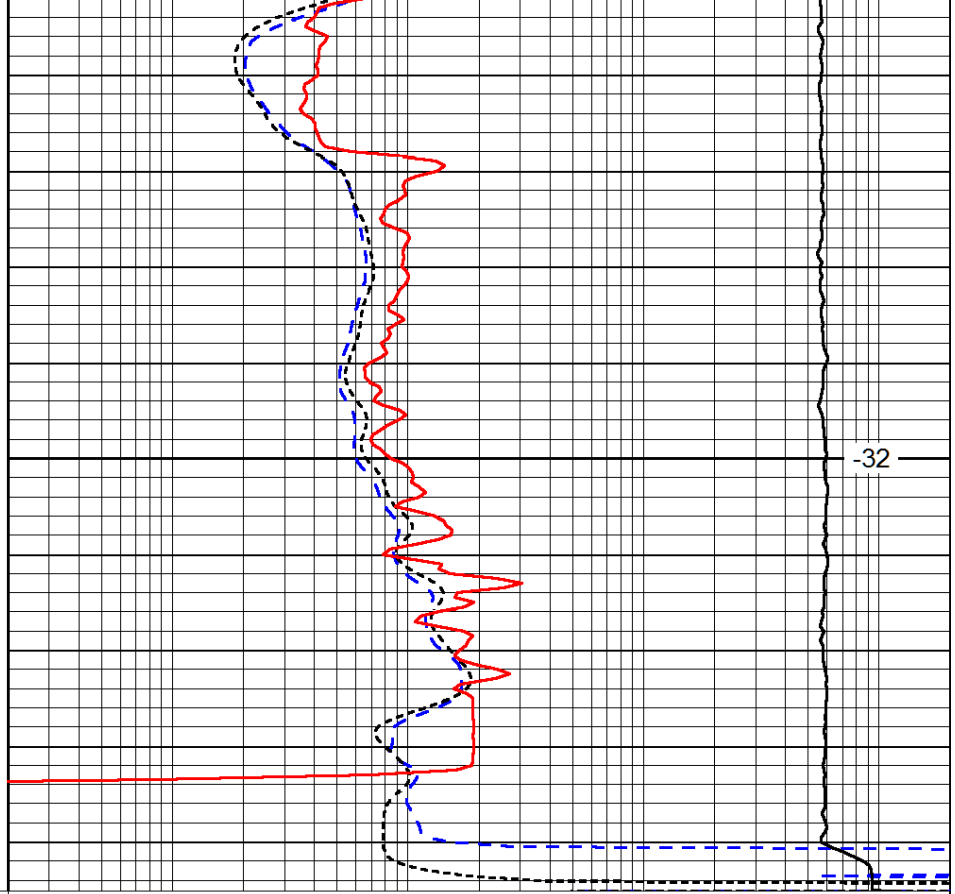
-32

-32



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

3650



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

-32

LSPD
(ft/min)