

LOG-TECH



Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No.

15-101-22209-00-00

Company Larson Engineering, Inc.

Well Cramer No. 1-22

Field Wildcat

County Lane State Kansas

Location 2280' FSL & 330' FWL

Sec: 22 Twp: 17 S Rge: 30 S

Permanent Datum Ground Level Elevation 2863
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services

CNL/CDL

MEL

Elevation

K.B. 2873

D.F. 2863

G.L. 2863

Date 1/22/2010

Run Number One

Depth Driller 4615

Depth Logger 4620

Bottom Logged Interval 4619

Top Log Interval 250

Casing Driller 8.625 @ 261

Casing Logger 260

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 3000

Density / Viscosity 9.5 46

pH / Fluid Loss 9.5 9.2

Source of Sample Flowline

Rm @ Meas. Temp 1.70 @ 60

Rmf @ Meas. Temp 1.28 @ 60

Rmc @ Meas. Temp 2.30 @ 60

Source of Rmf / Rmc Charts

Rm @ BHT 0.84 @ 122

Operating Rig Time 4 Hours

Max Rec. Temp. F 122

Equipment Number 15

Location Hays

Recorded By B. Becker

Witnessed By Bob Lewellyn

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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

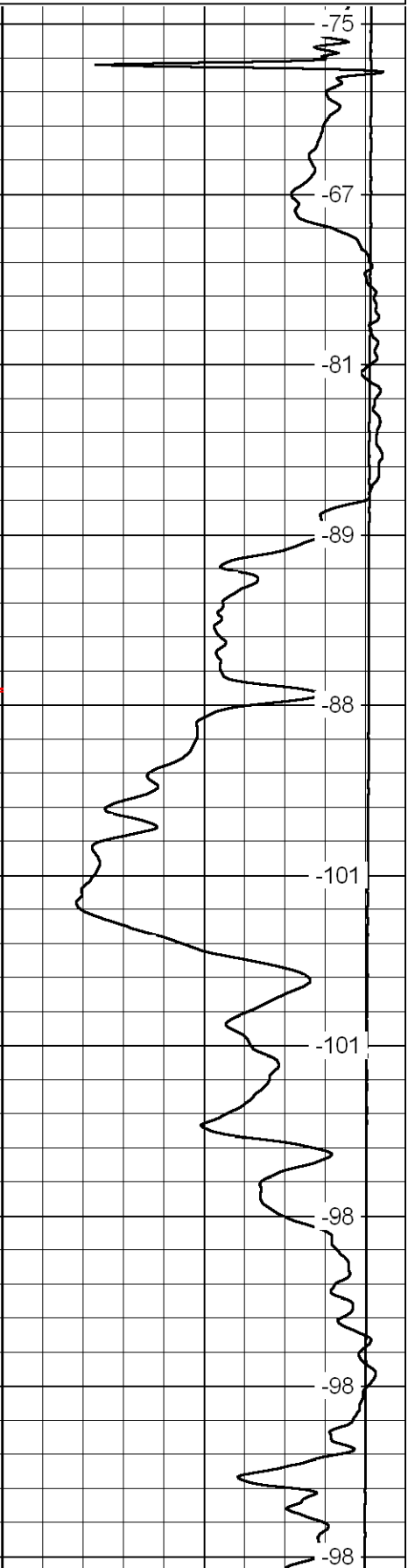
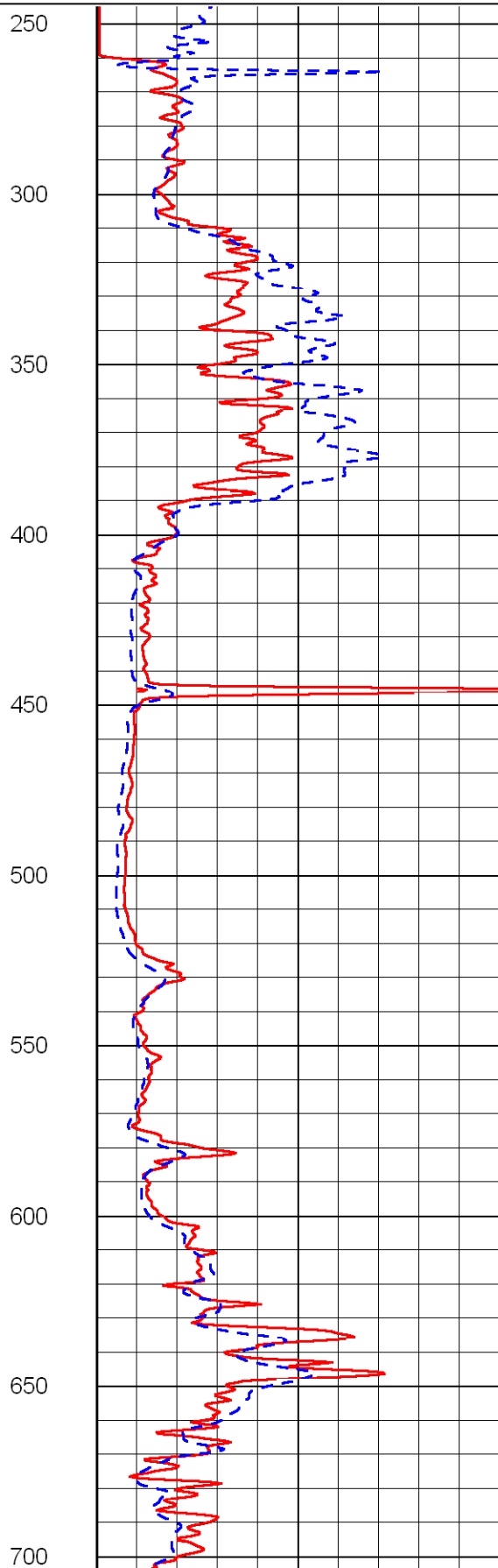
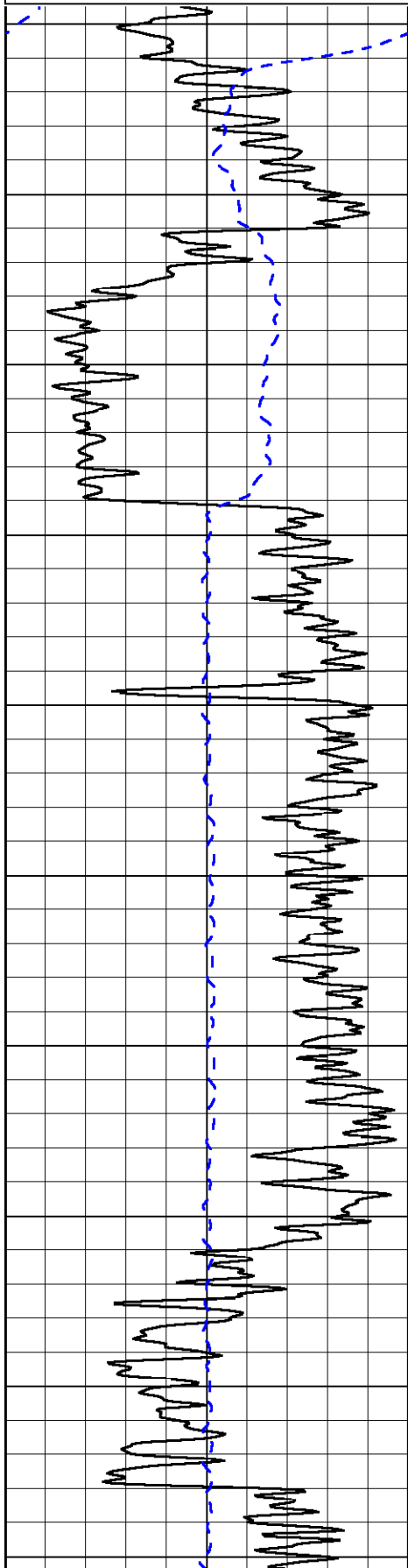
Dighton, Ks; 8 West; 5 North;
1 West; North Into

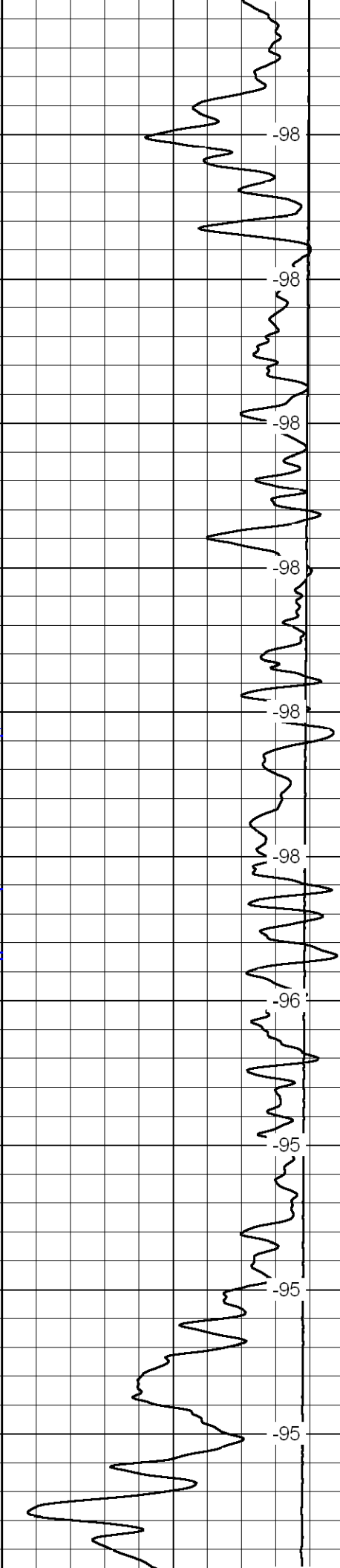
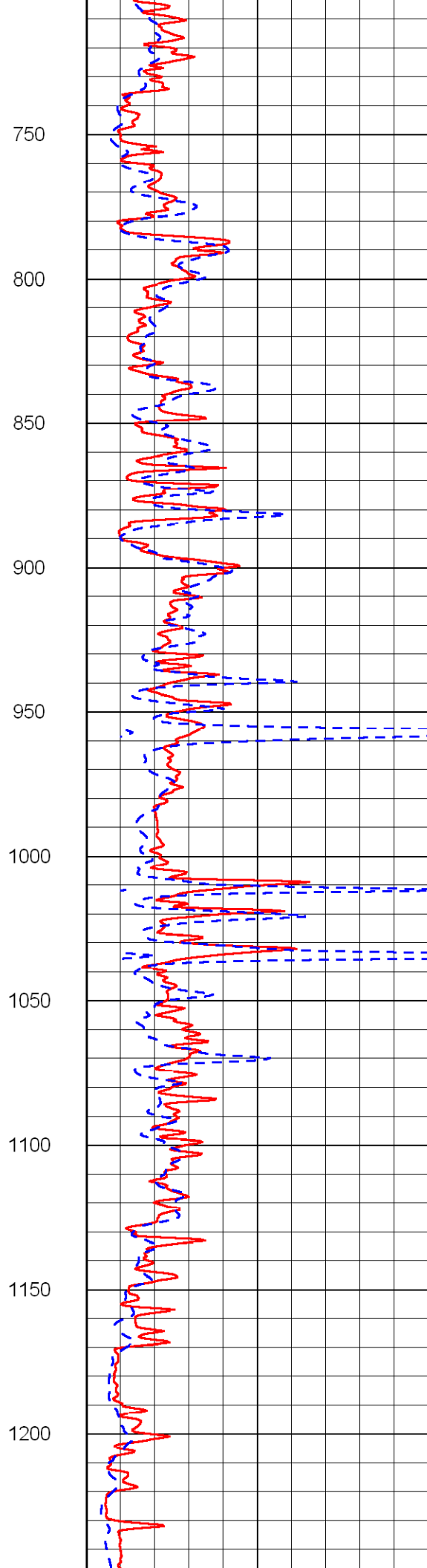
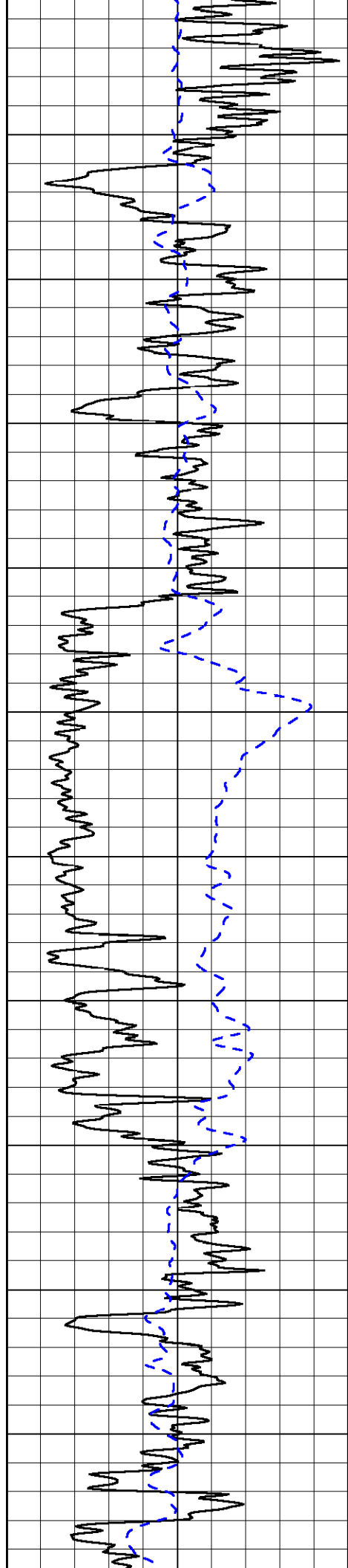
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Charted by: Depth in Feet scaled 1:600

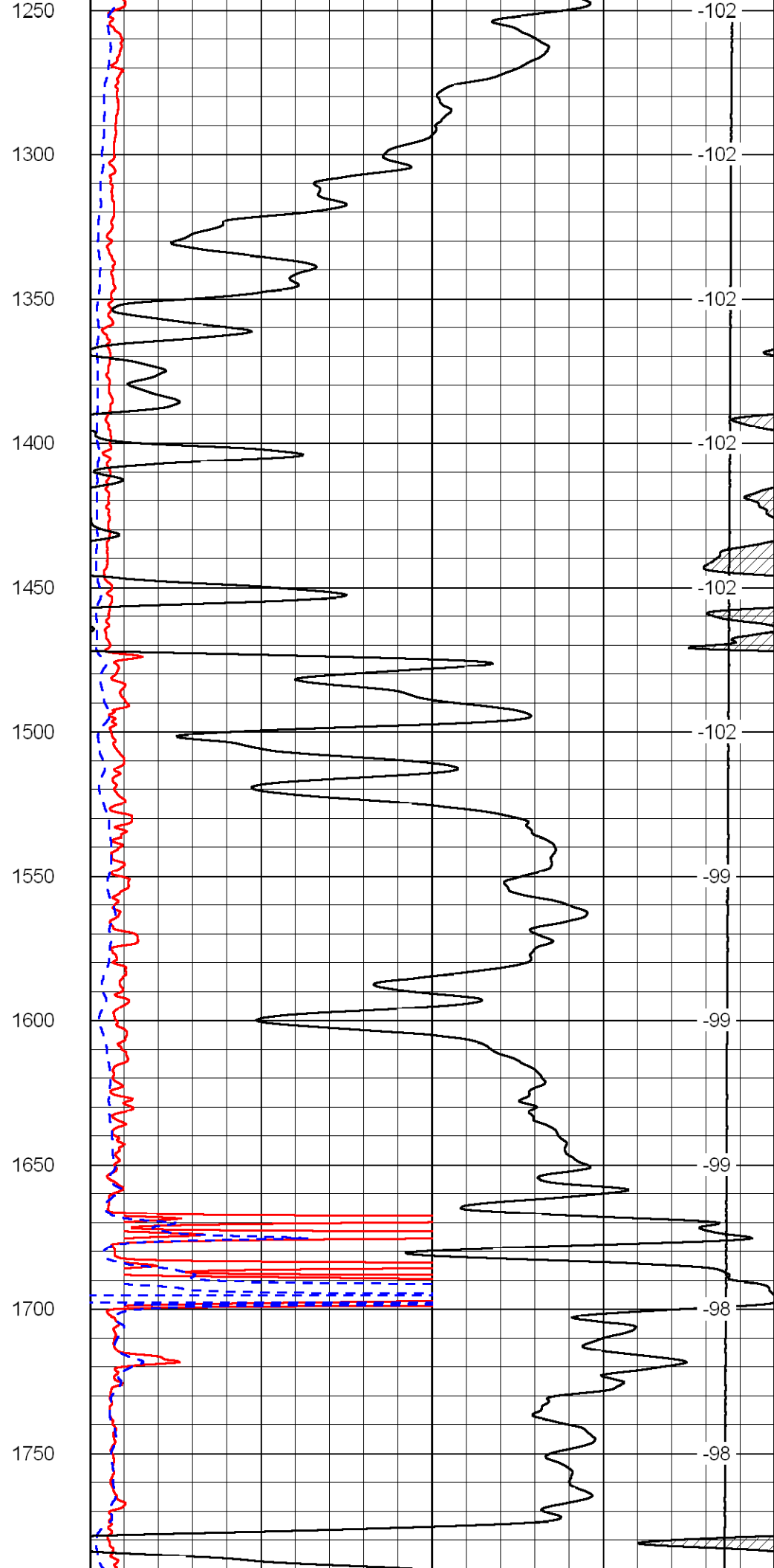
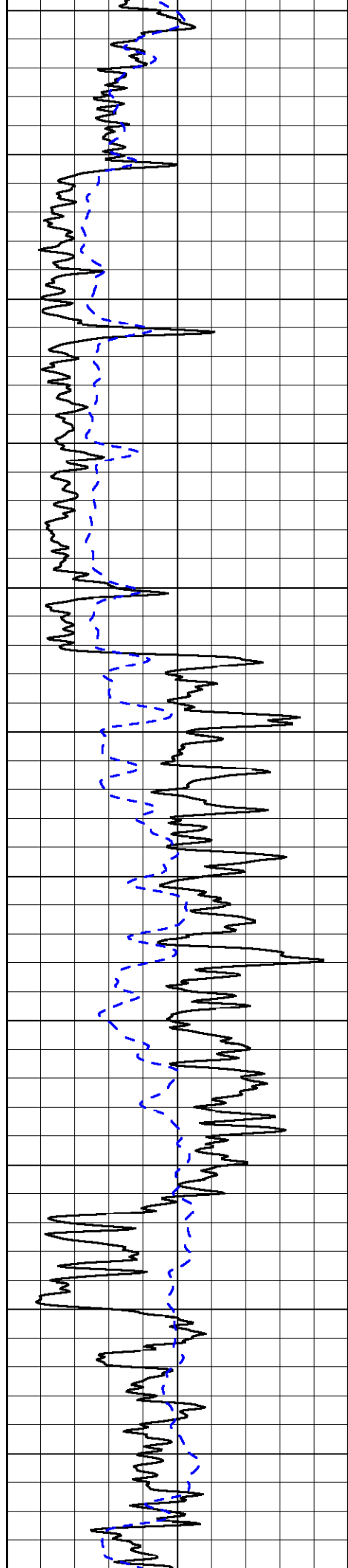
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-200	SP (MV)	0

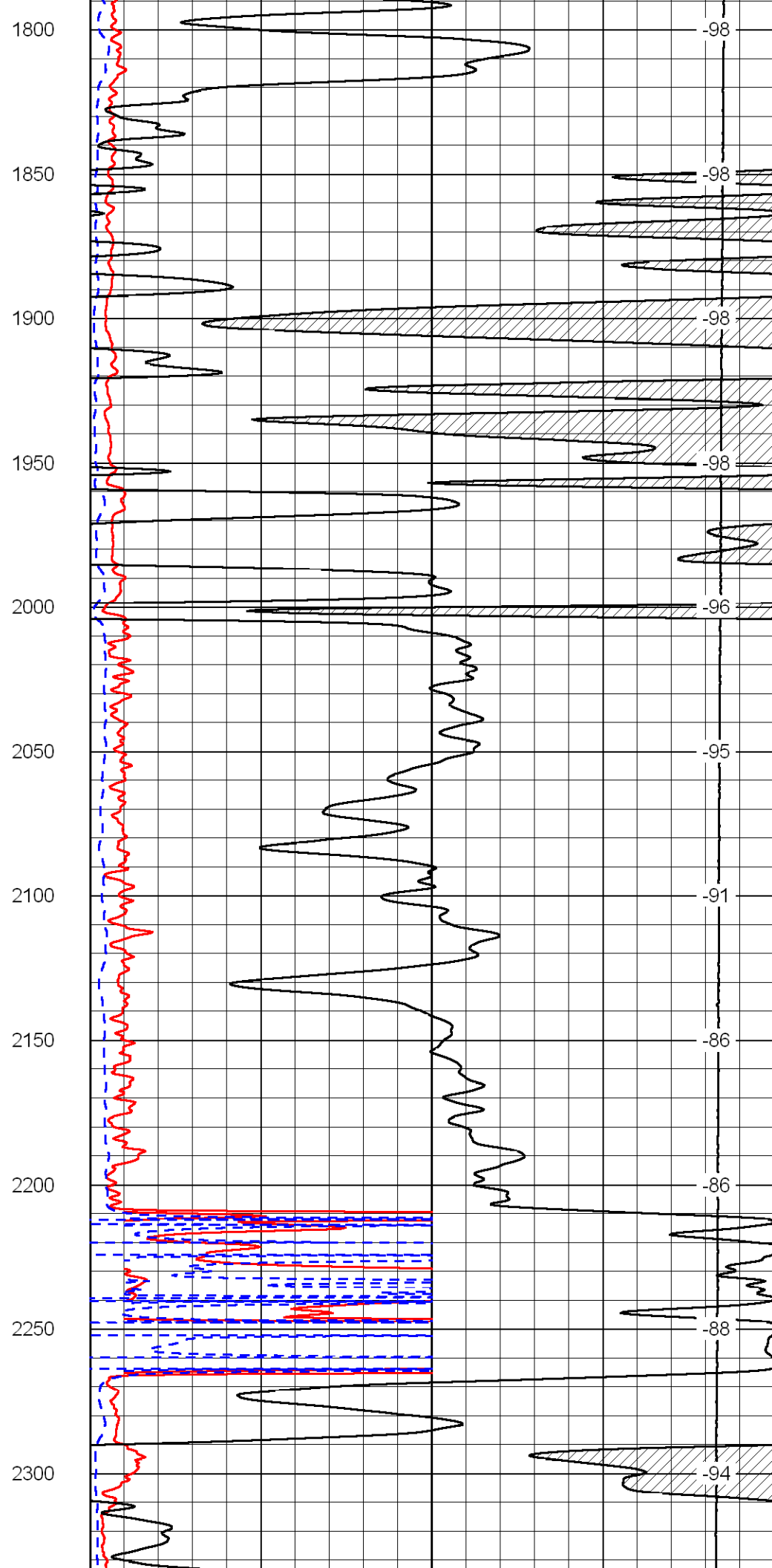
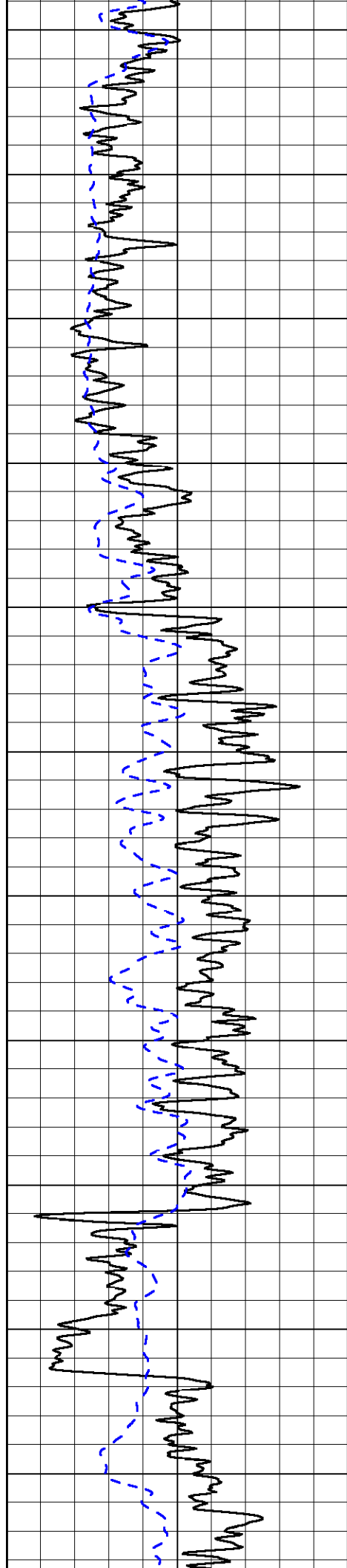
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (mmho/m)	0
15000	Line Tension (lb)	0
50	Shallow Resistivity (Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

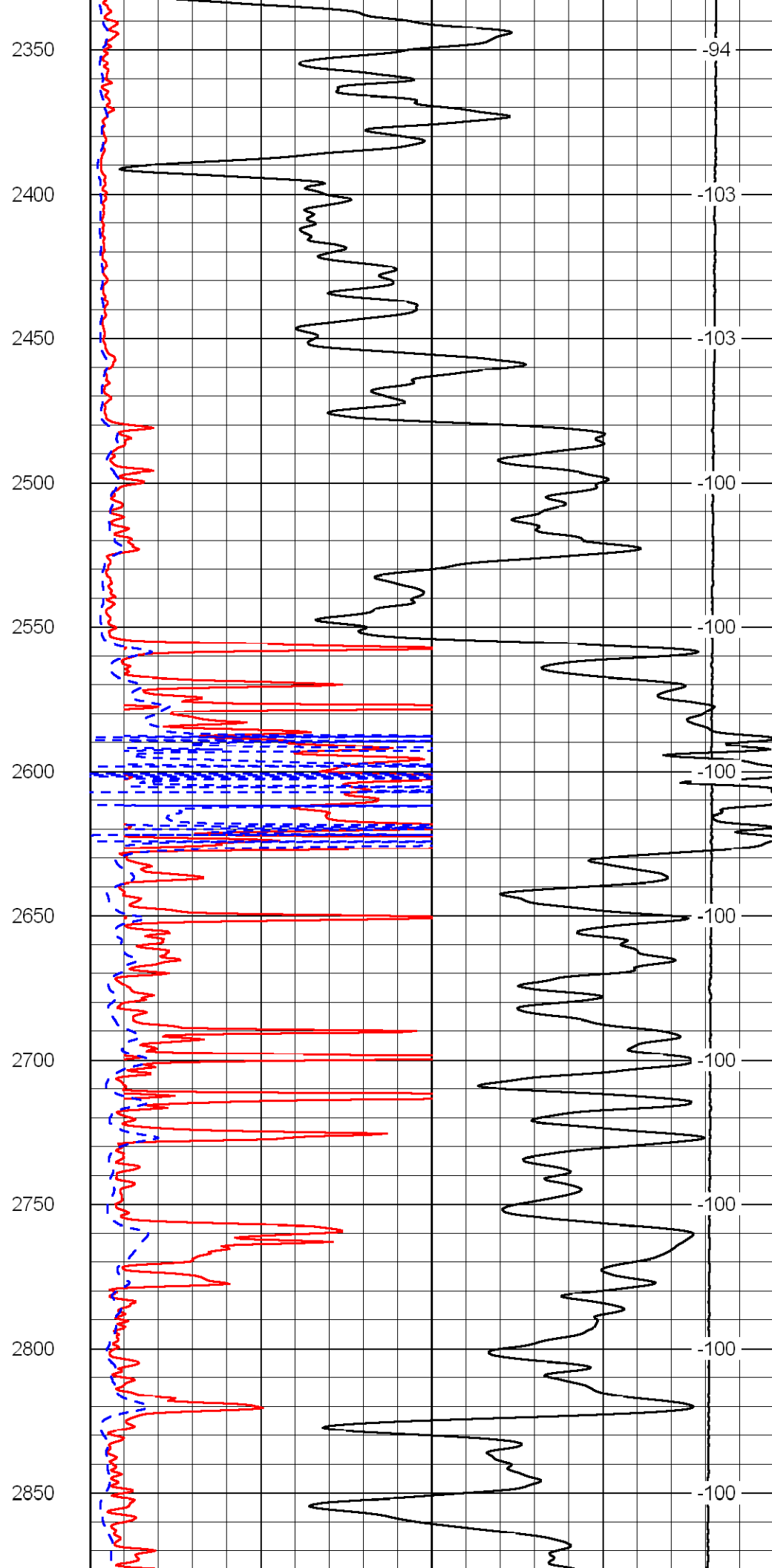
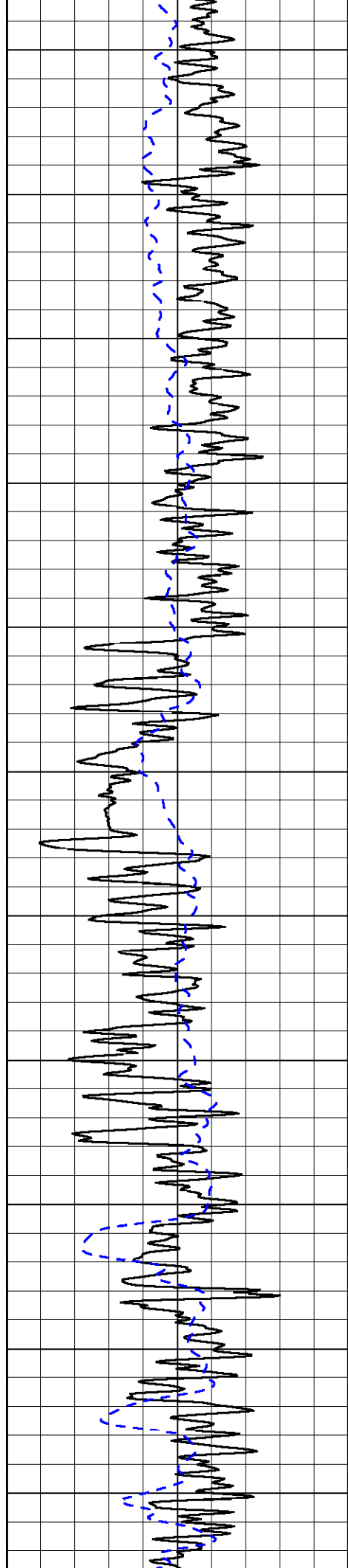
LSPD
(ft/min)

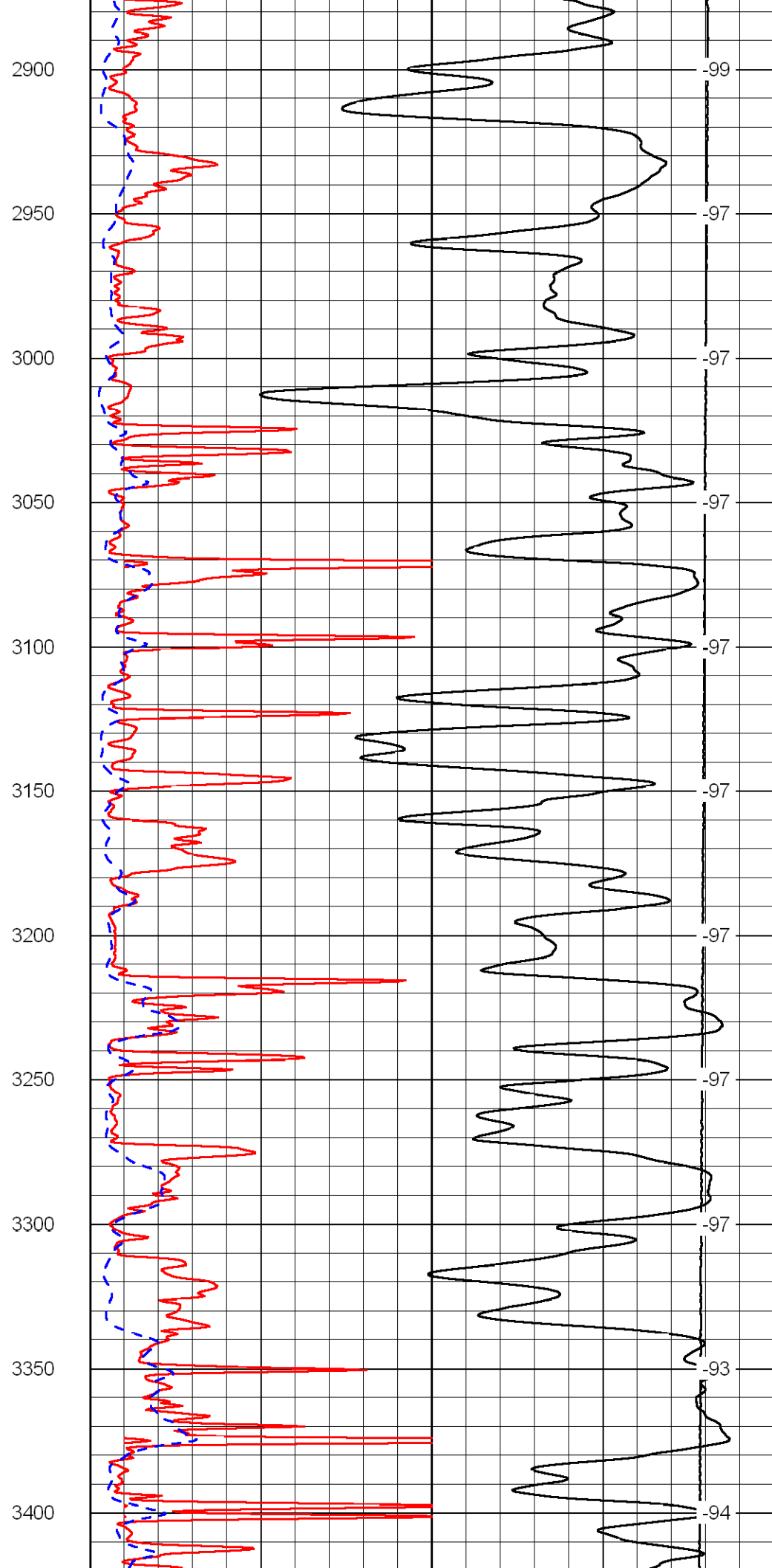
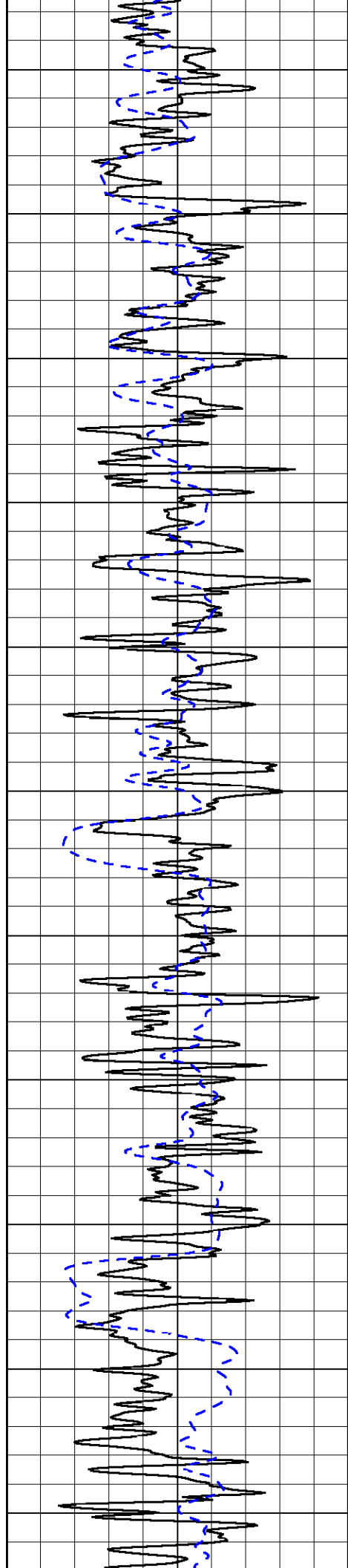


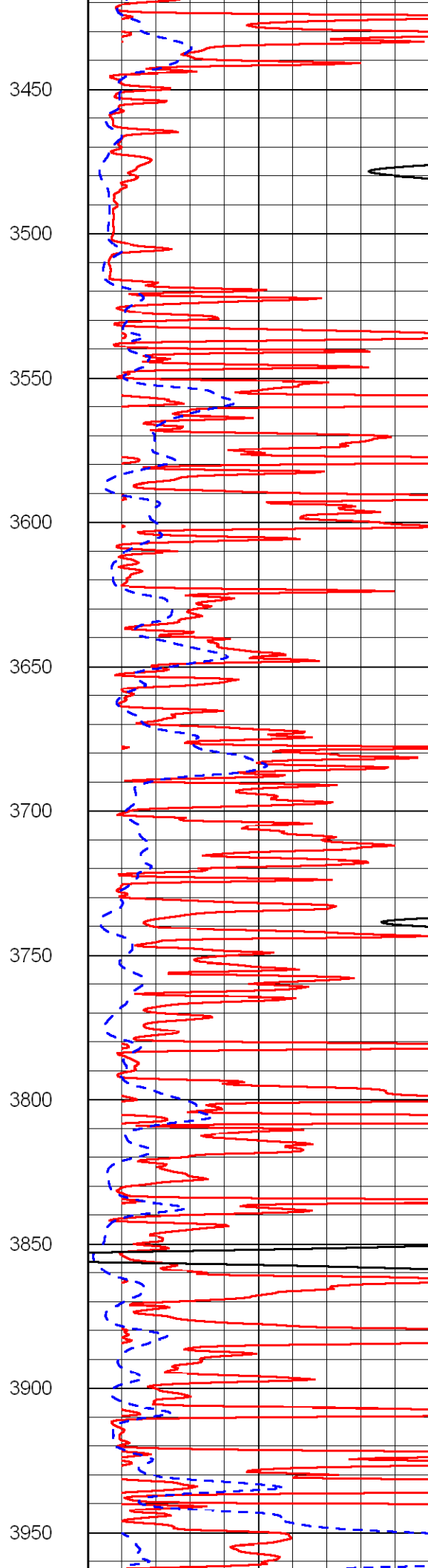
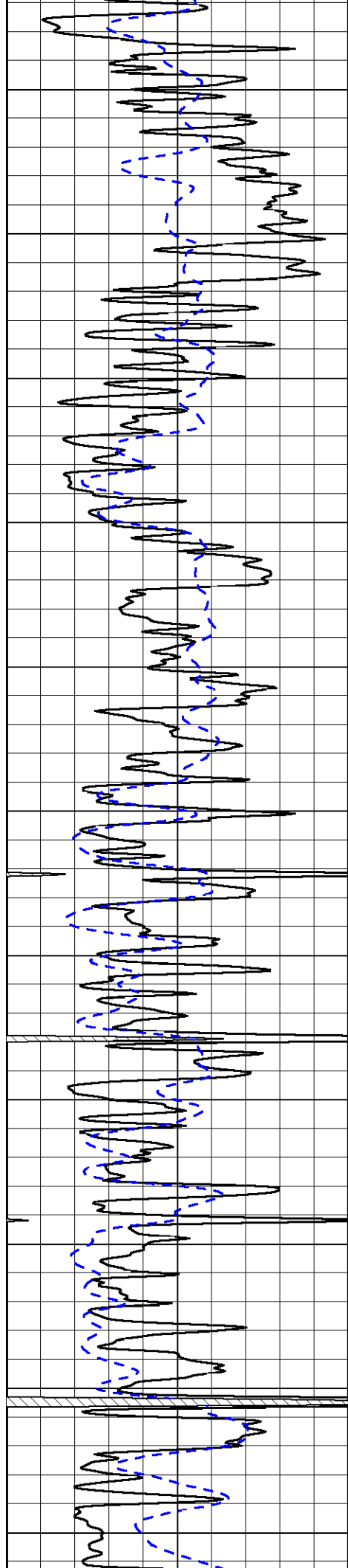


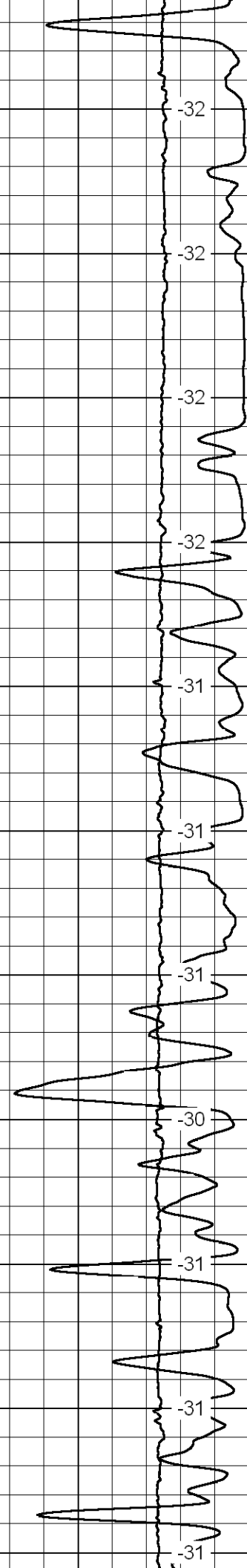
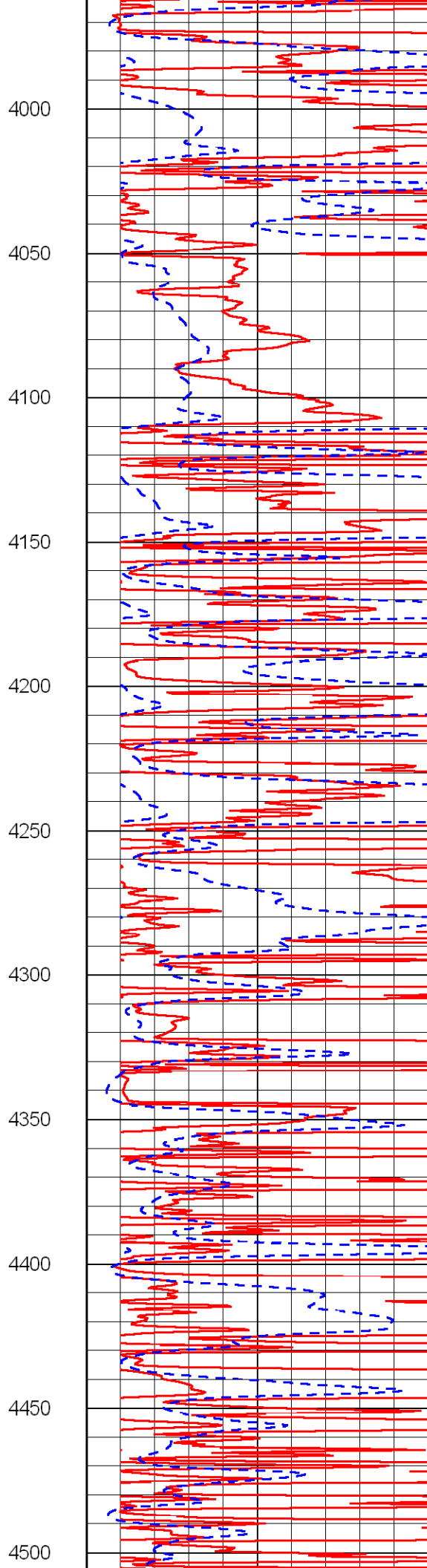
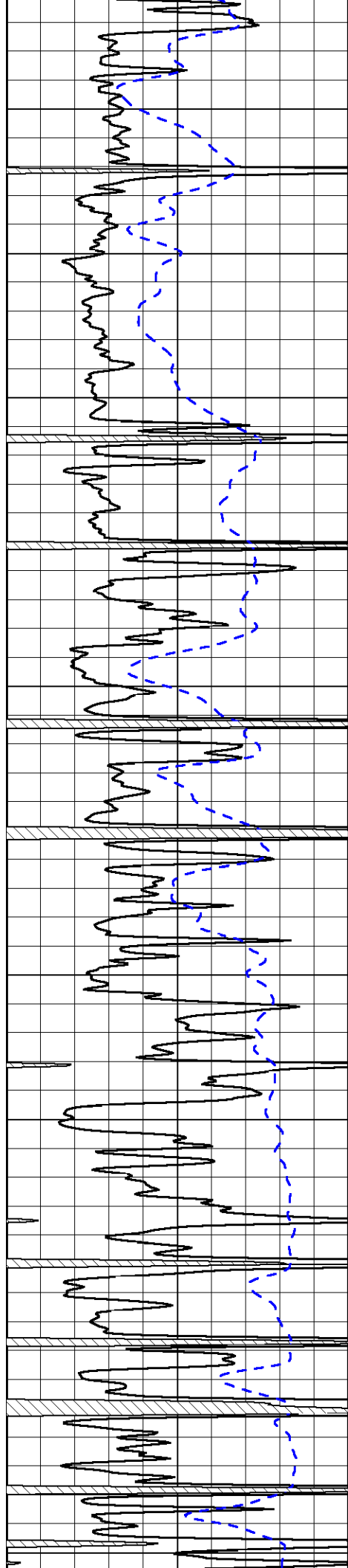


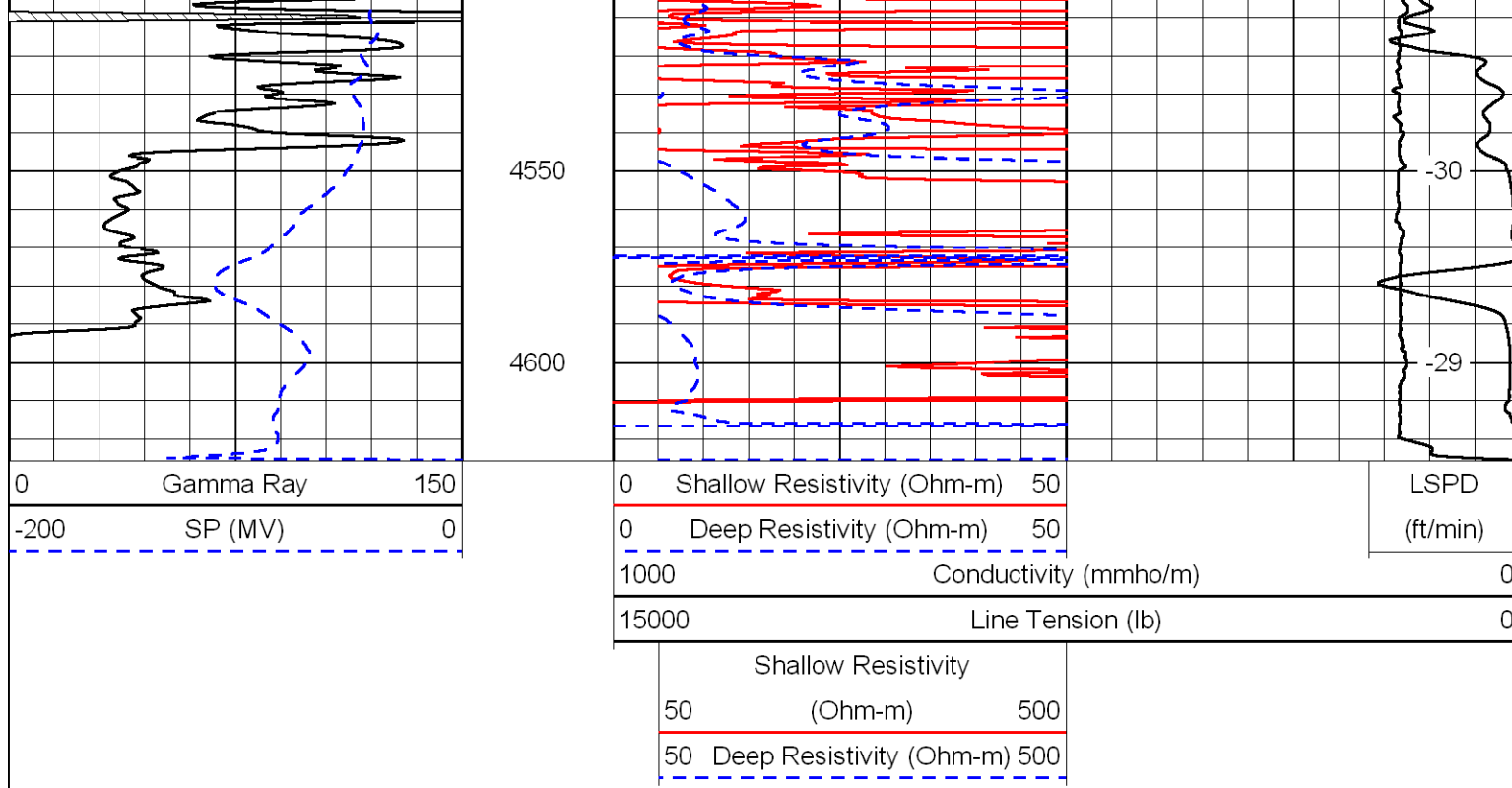




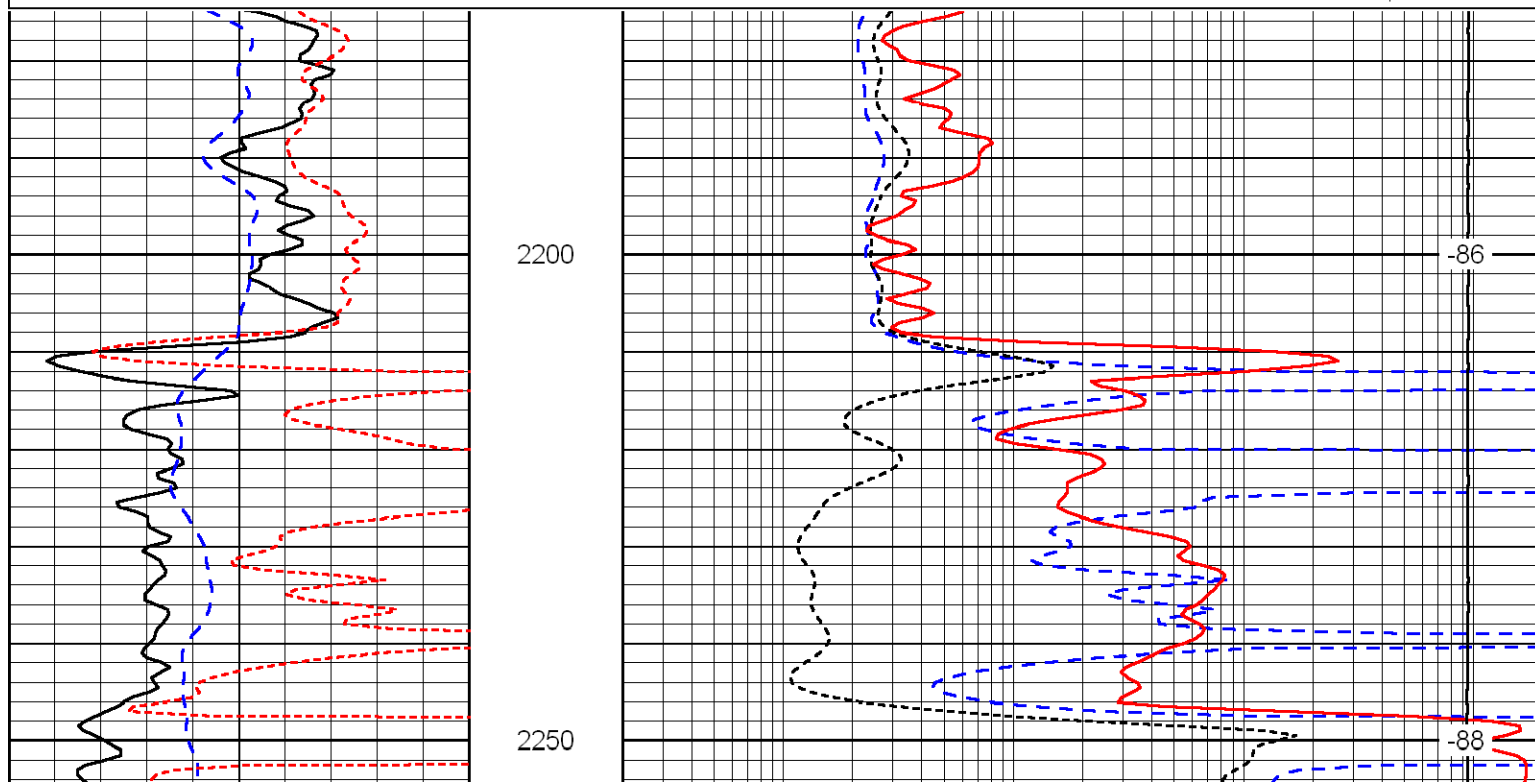
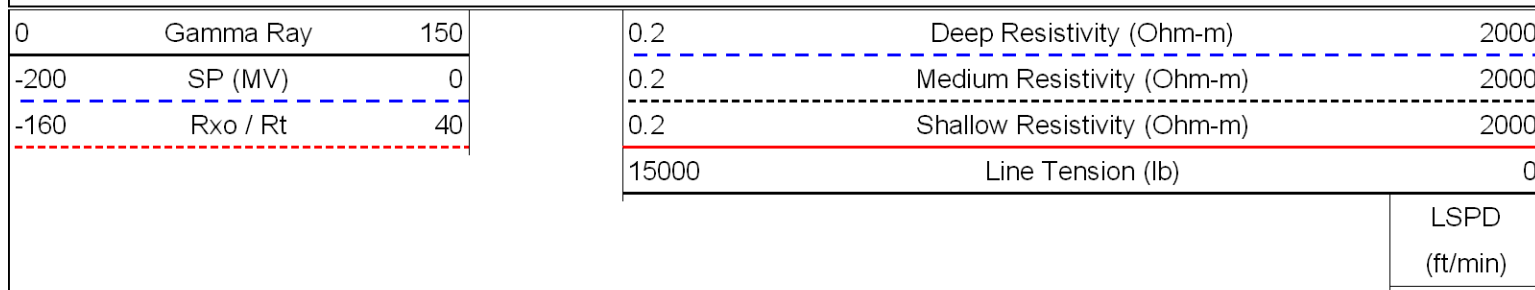


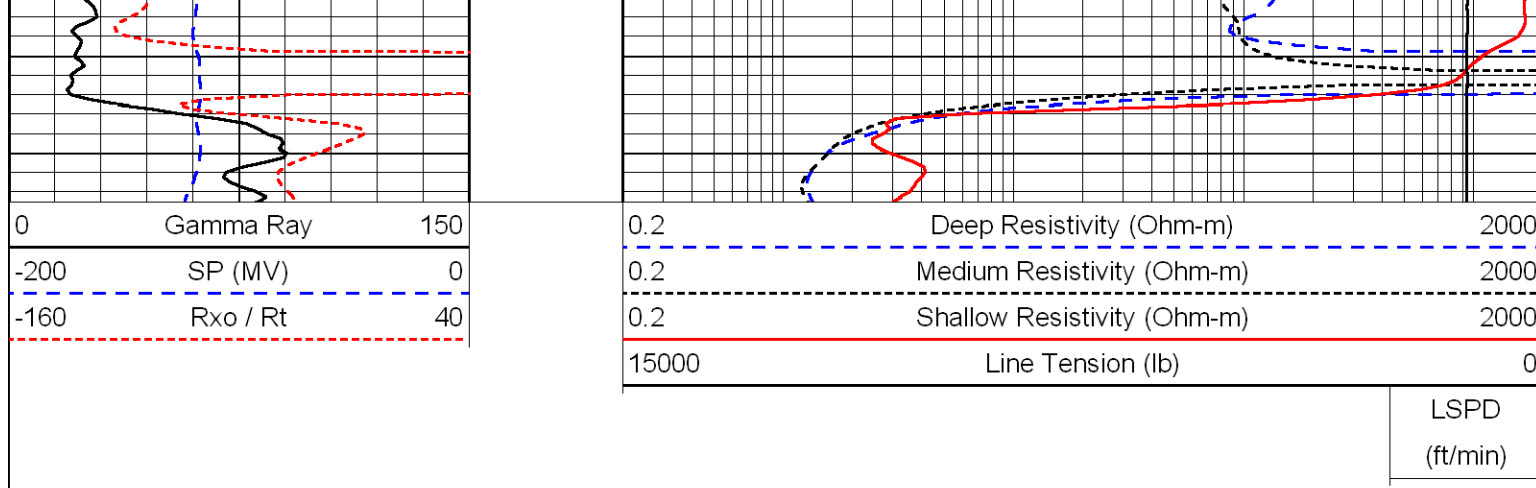




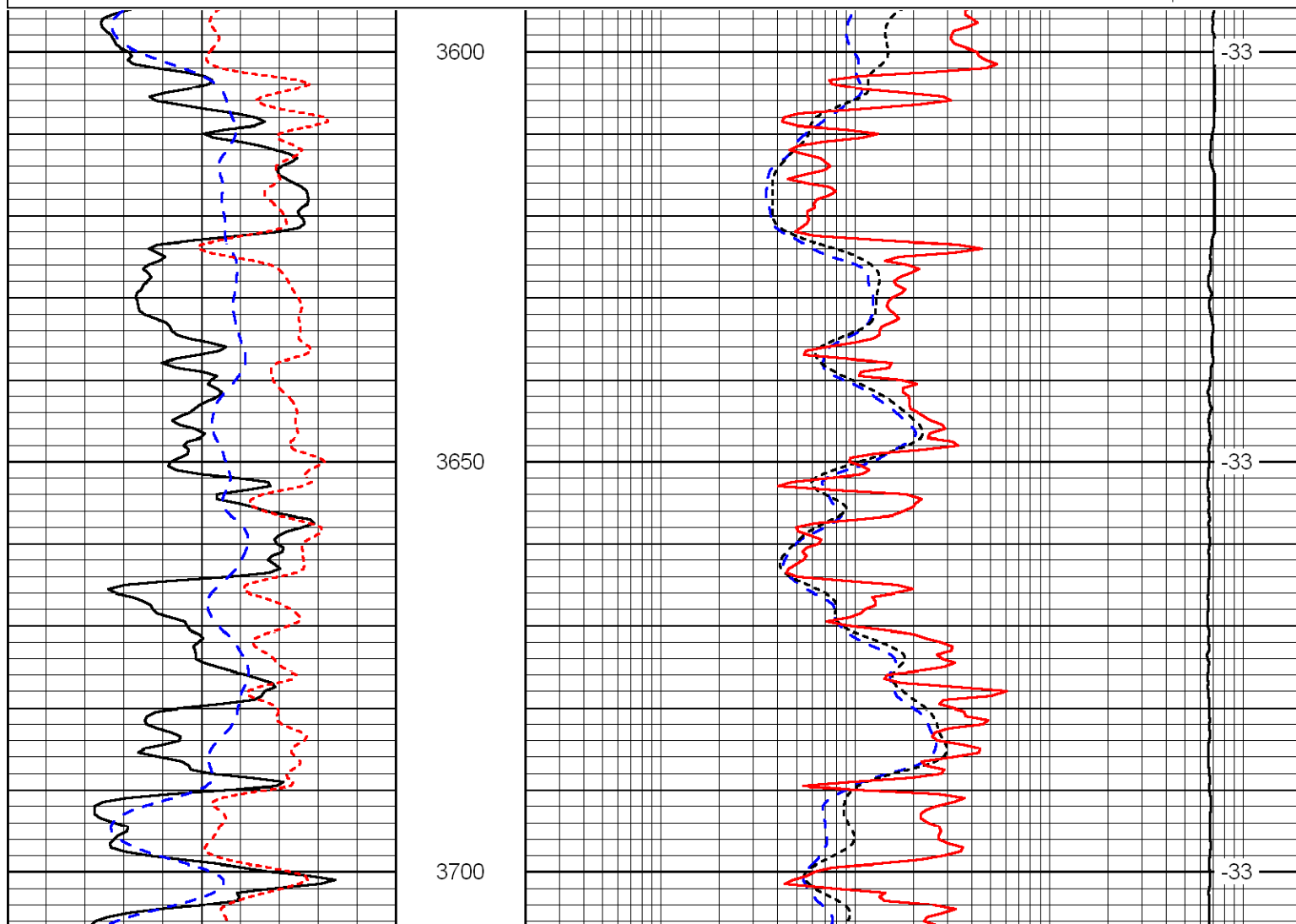
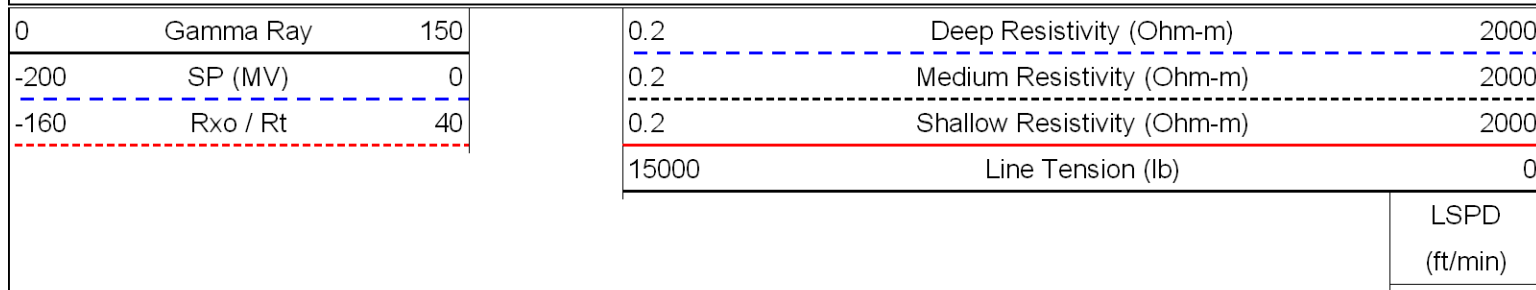


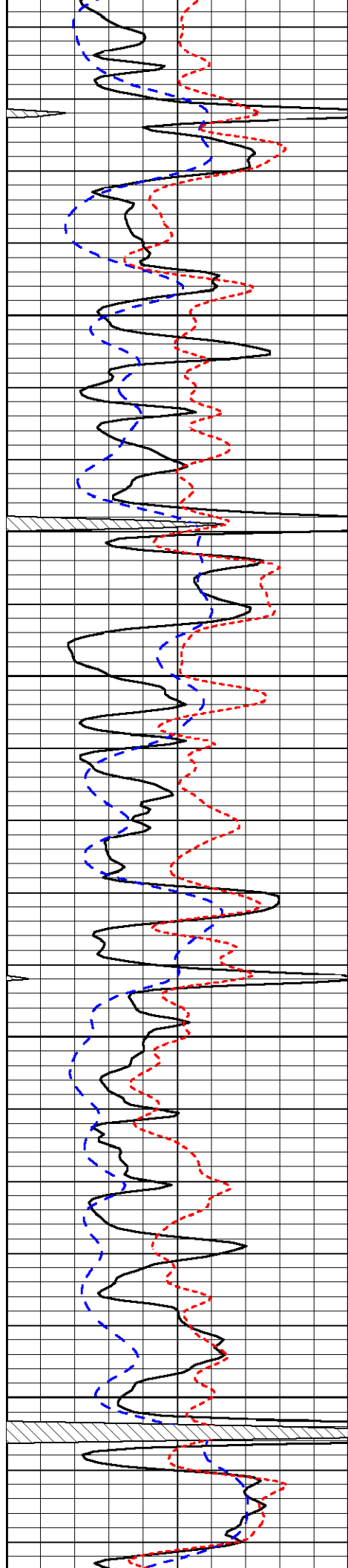
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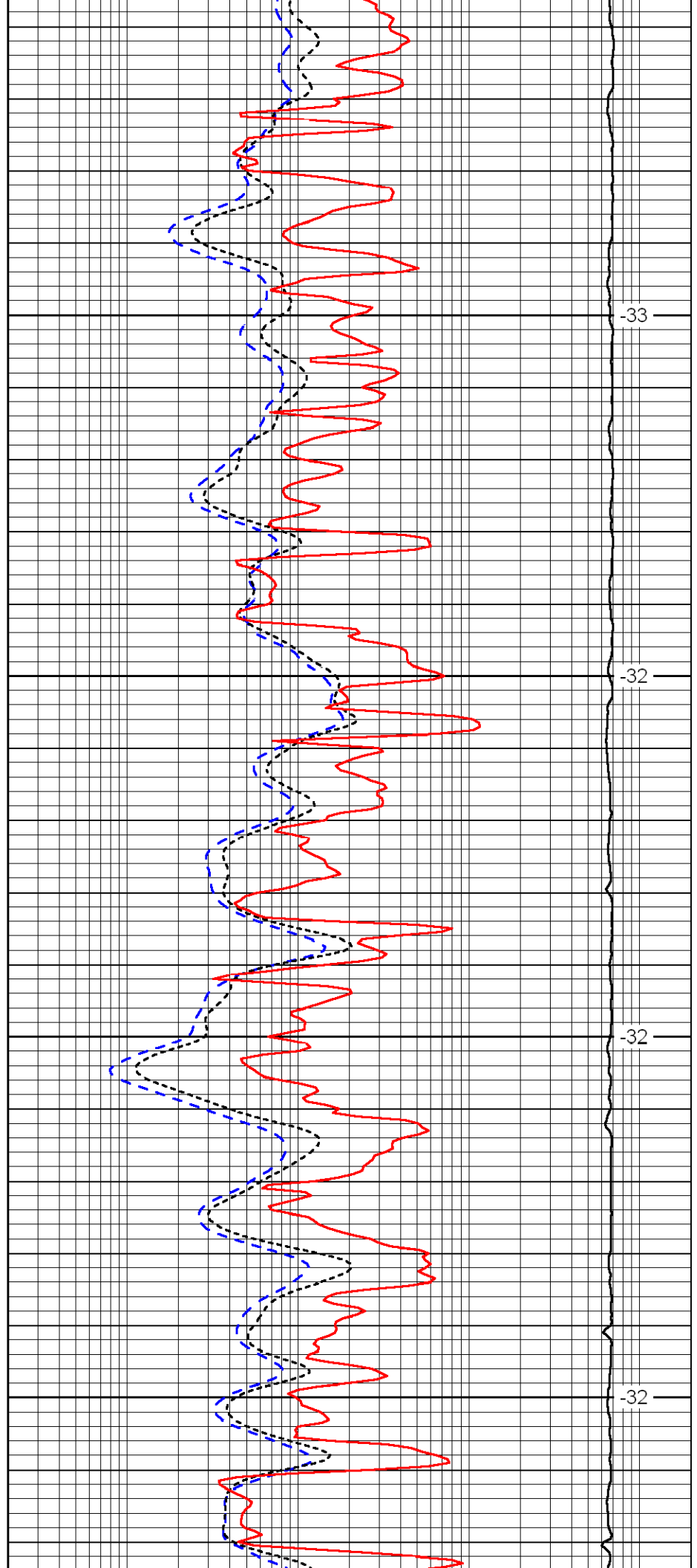


3750

3800

3850

3900

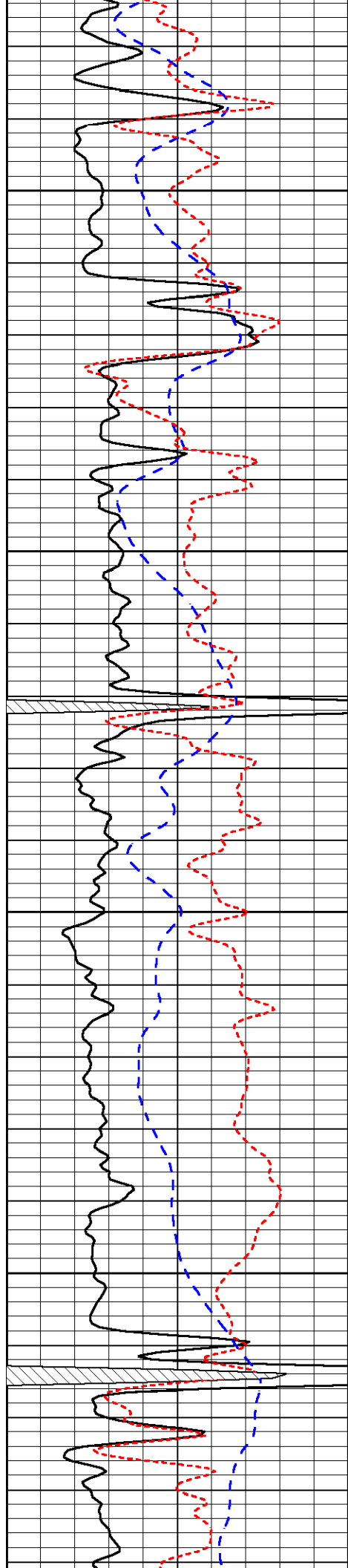


-33

-32

-32

-32

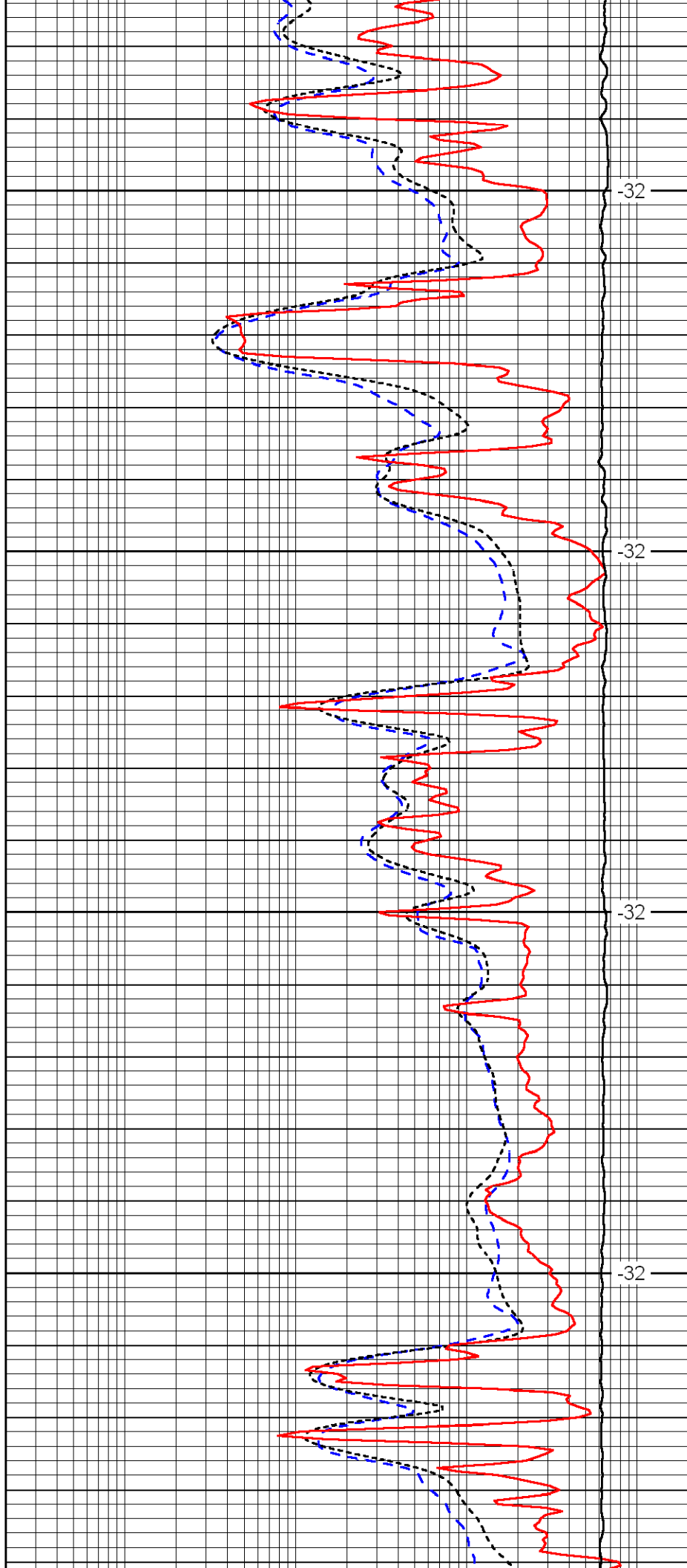


3950

4000

4050

4100

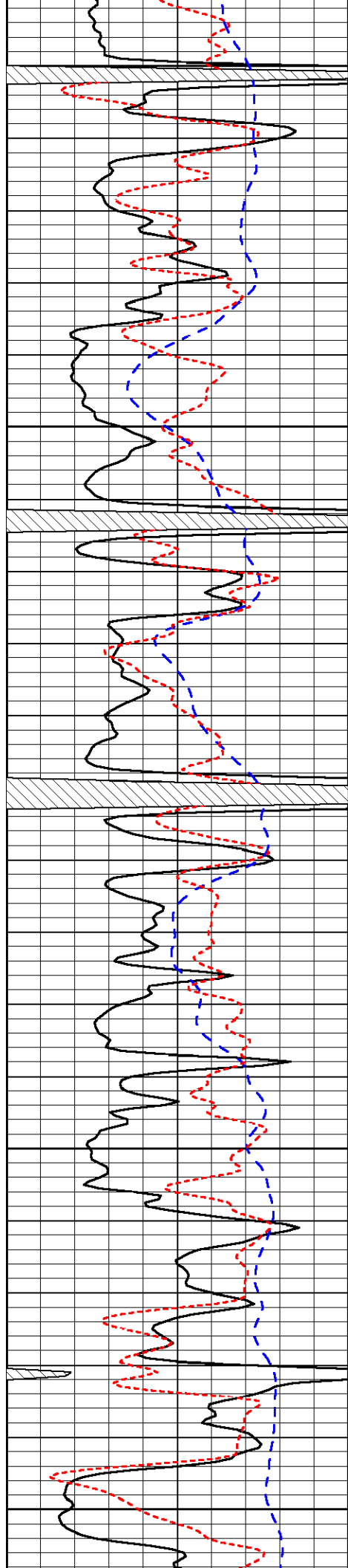


-32

-32

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-32



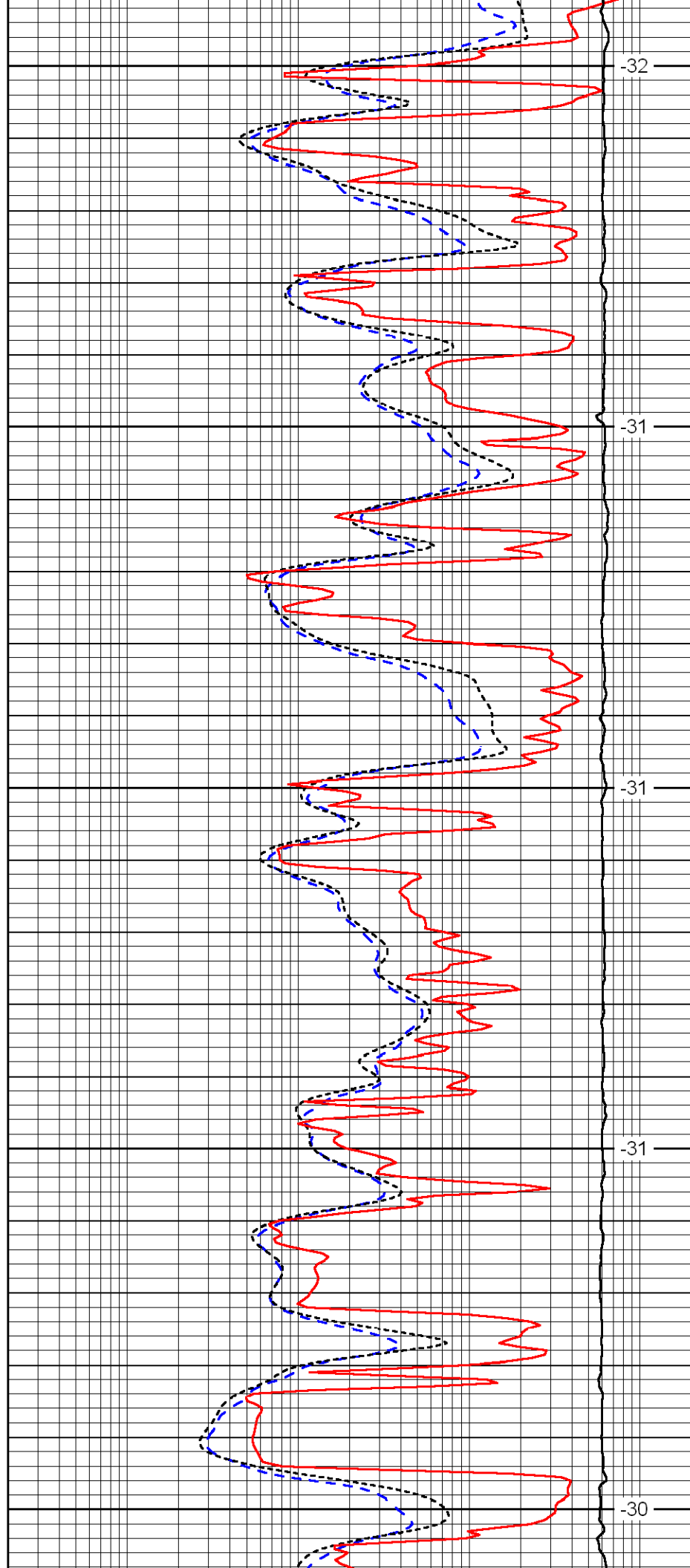
4150

4200

4250

4300

4350



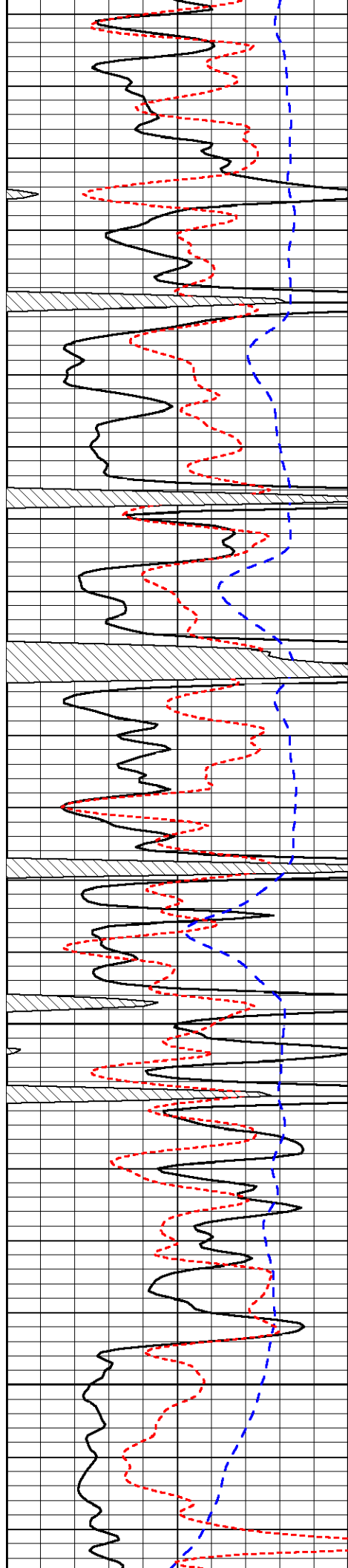
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-31

-31

-31

-30

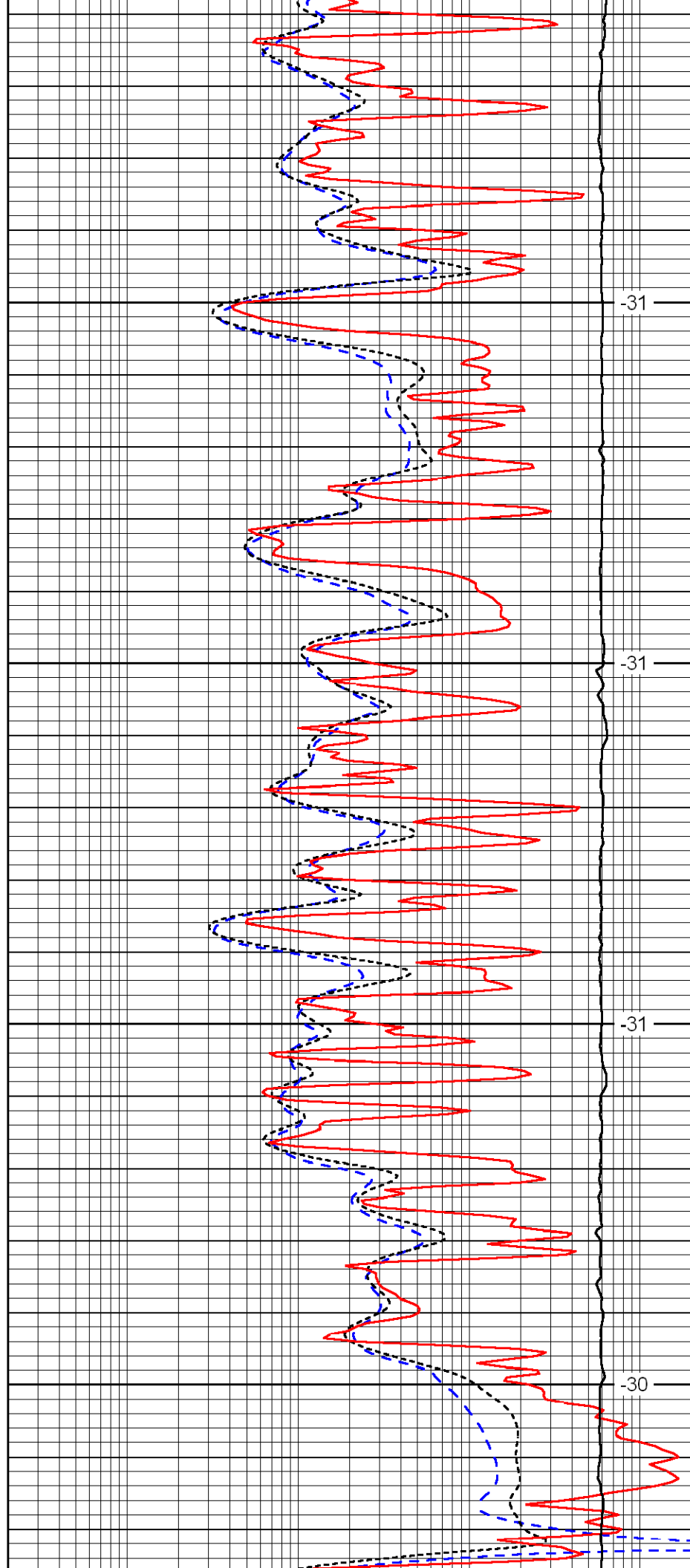


4400

4450

4500

4550

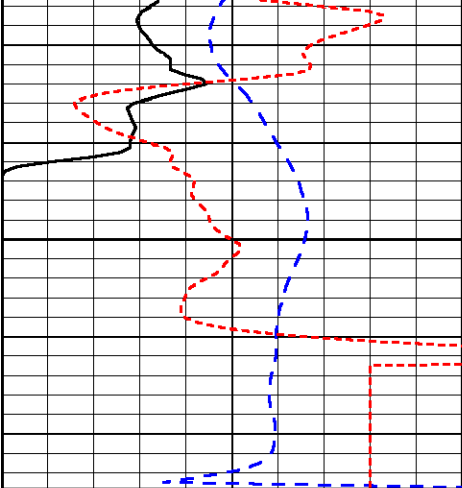


-31

-31

-31

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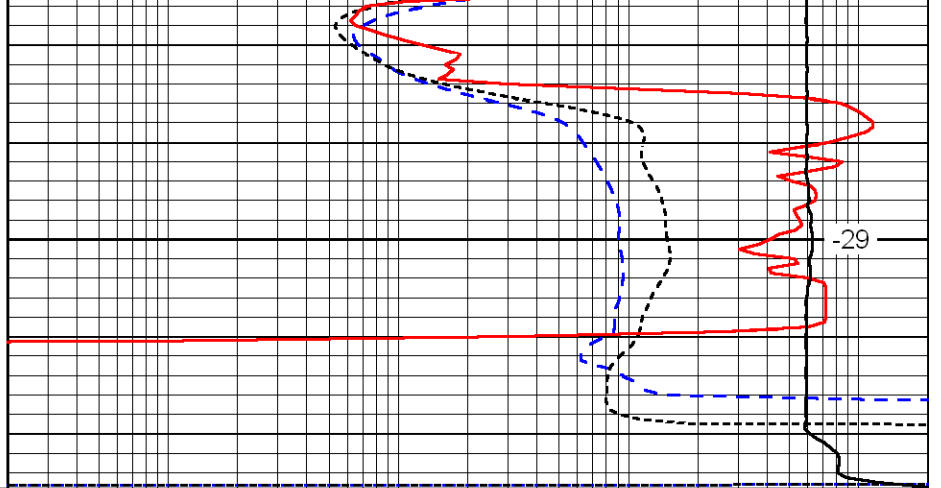


4600

0 Gamma Ray 150

-200 SP (MV) 0

-160 Rxo / Rt 40



-29

0.2 Deep Resistivity (Ohm-m) 2000

0.2 Medium Resistivity (Ohm-m) 2000

0.2 Shallow Resistivity (Ohm-m) 2000

15000 Line Tension (lb) 0

LSPD
(ft/min)