

LOG-TECH



Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No.

15-101-22,161-00-00

Company Larson Engineering, Inc.

Well Whiting No. 2-31

Field Wildcat

County

Lane

State

Kansas

Location

552' FSL & 629' FEL

Sec: 31

Twp: 18S

Rge: 30W

Elevation

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

Elevation
K.B. 2902
D.F. 2897
G.L. 2897

Date 03/27/2009

Run Number One

Depth Driller 4640

Depth Logger 4642

Bottom Logged Interval 4641

Top Log Interval 250

Casing Driller 8.625 @ 258

Casing Logger 252

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 1.300

Density / Viscosity 9.4 52

pH / Fluid Loss 9.0 6.8

Source of Sample Flowline

Rm @ Meas. Temp 2.0 @ 55

Rmf @ Meas. Temp 1.5 @ 55

Rmc @ Meas. Temp 2.7 @ 55

Source of Rmf / Rmc Charts

Rm @ BHT .88 @ 124

Operating Rig Time 4 Hours

Max Rec. Temp. F 124

Equipment Number 10

Location Hays

Recorded By Jason Wellbrock

Witnessed By Steve Davis

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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

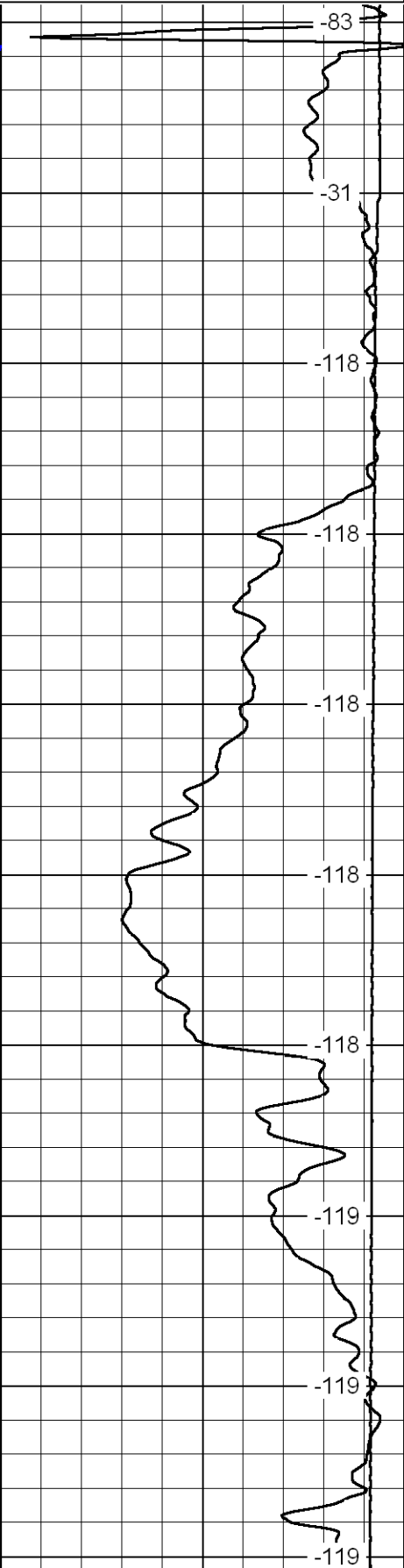
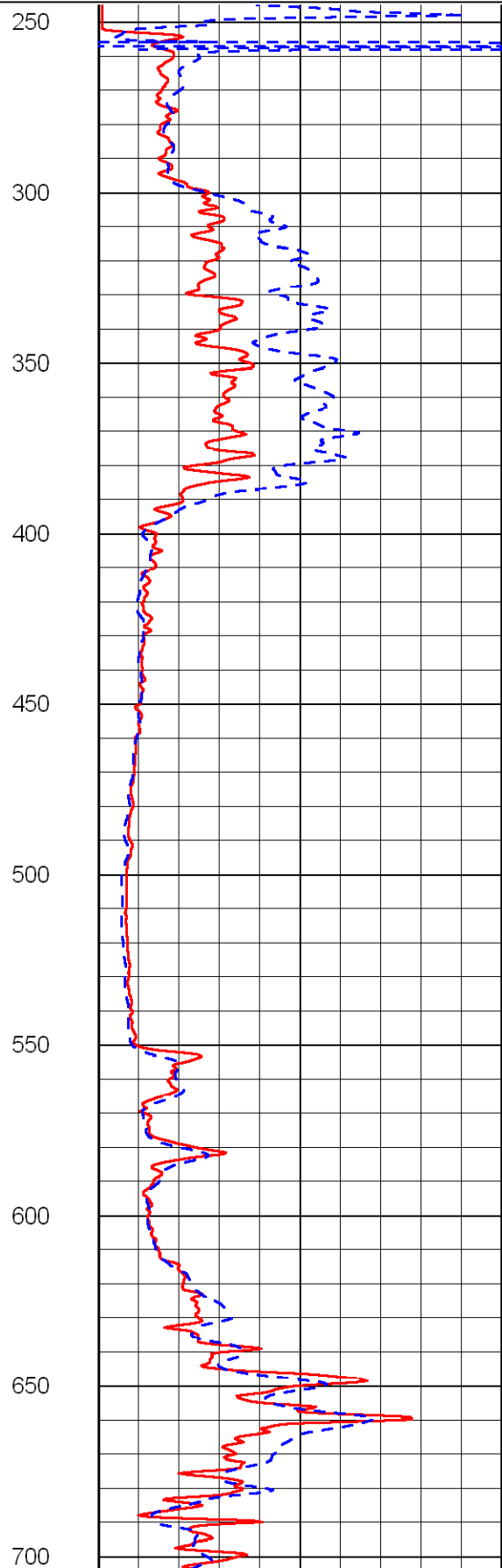
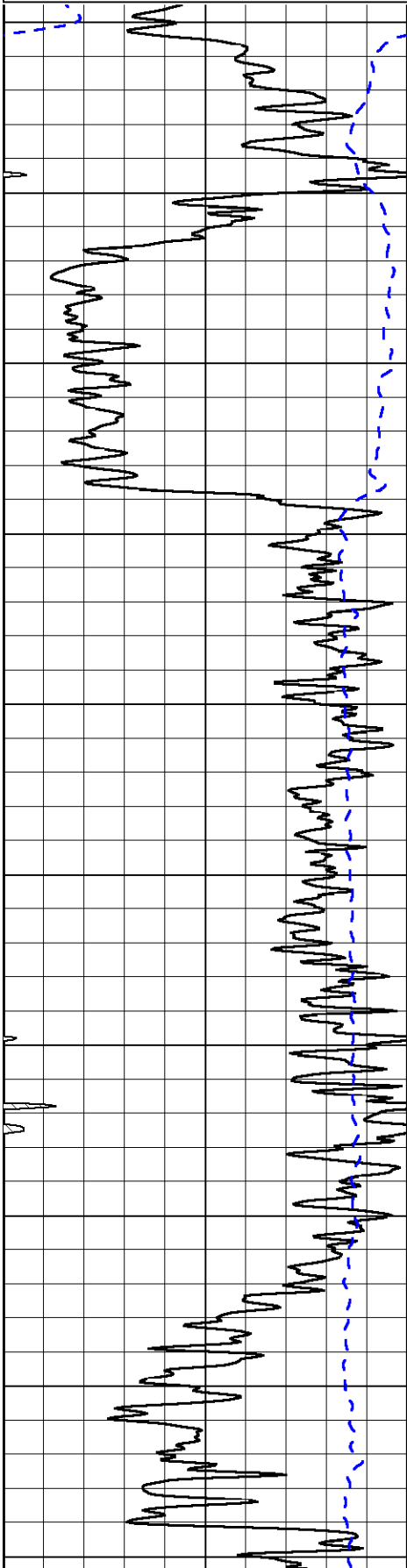
Dighton 10W, 3 S, 1 W, N 1/4, W Into

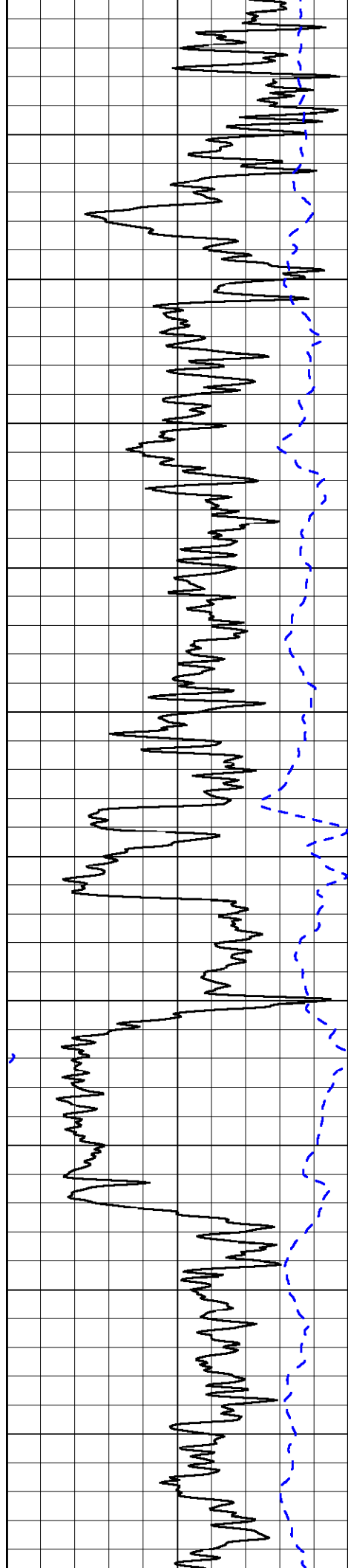
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Dataset Pathname: dil\lar2in
Presentation Format: dil2in
Dataset Creation: Fri Mar 27 07:23:14 2009
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
-200	SP (MV)	0

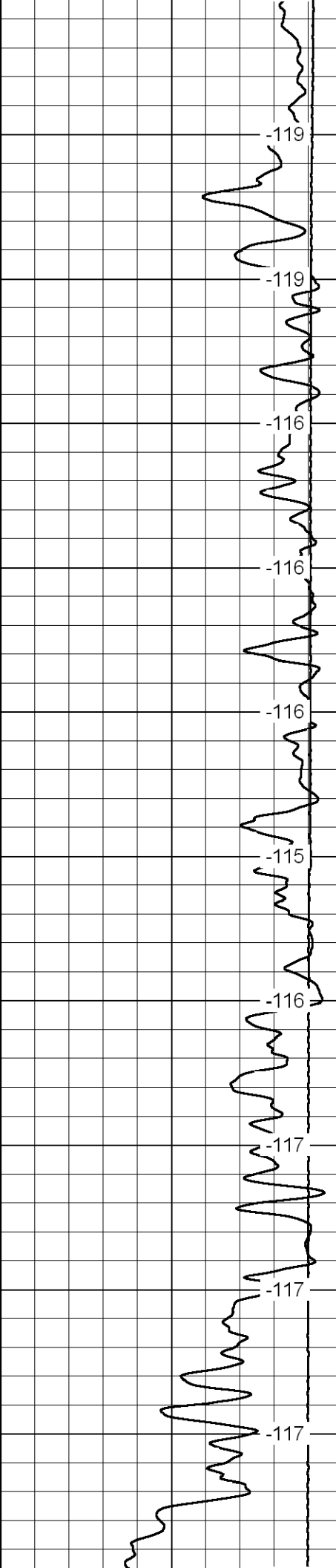
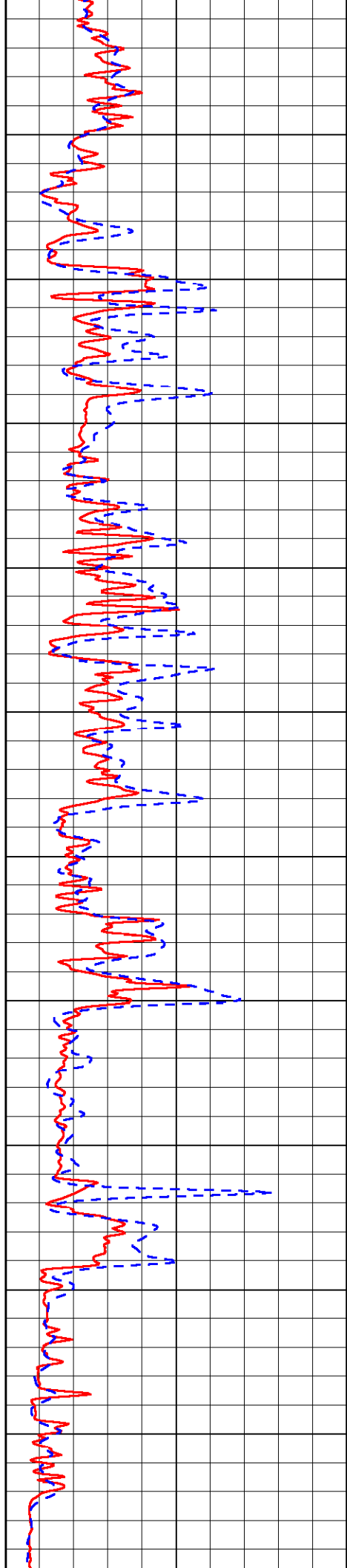
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0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (mmho/m)	0
15000	Line Tension (lb)	0
Shallow Resistivity		
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

LSPD
(ft/min)

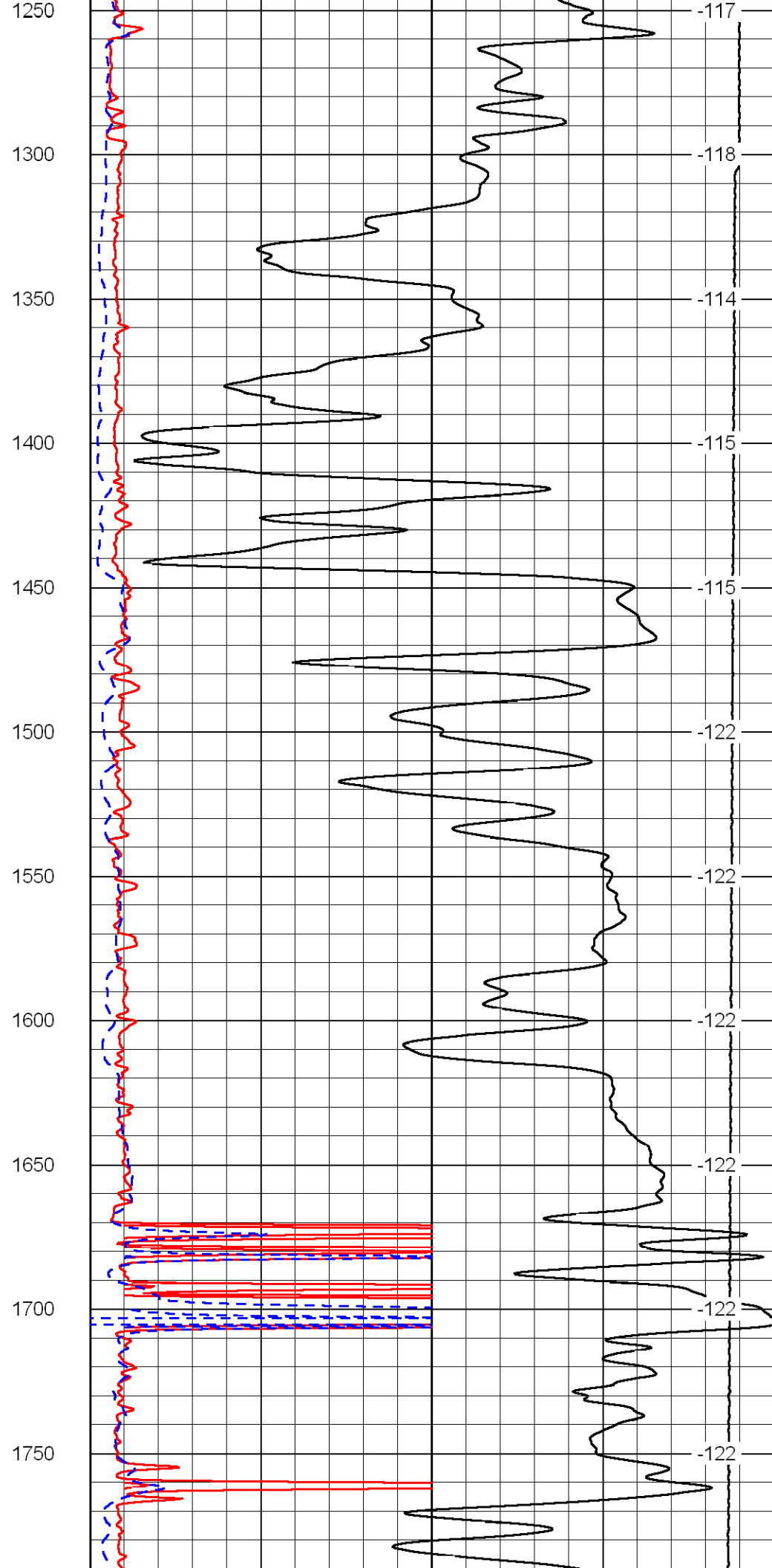
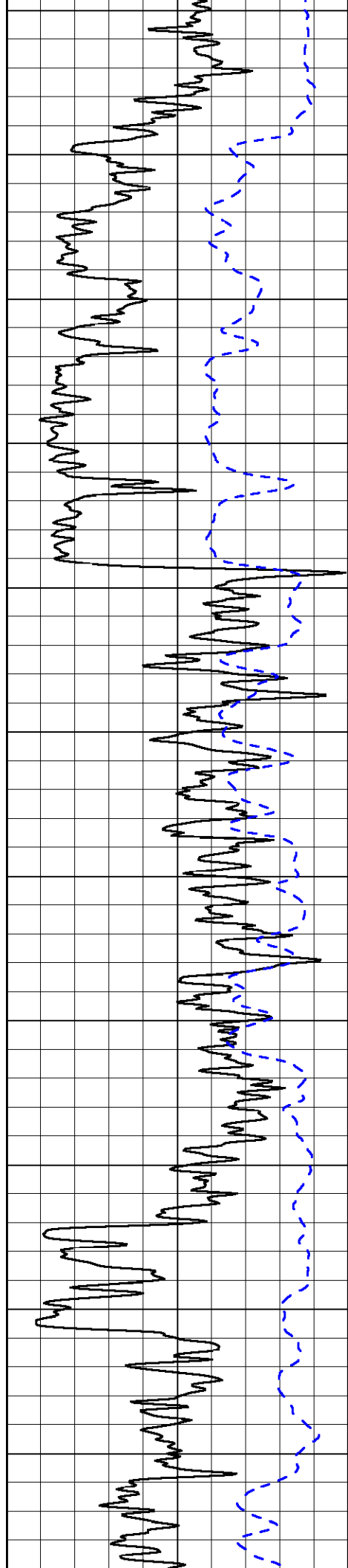


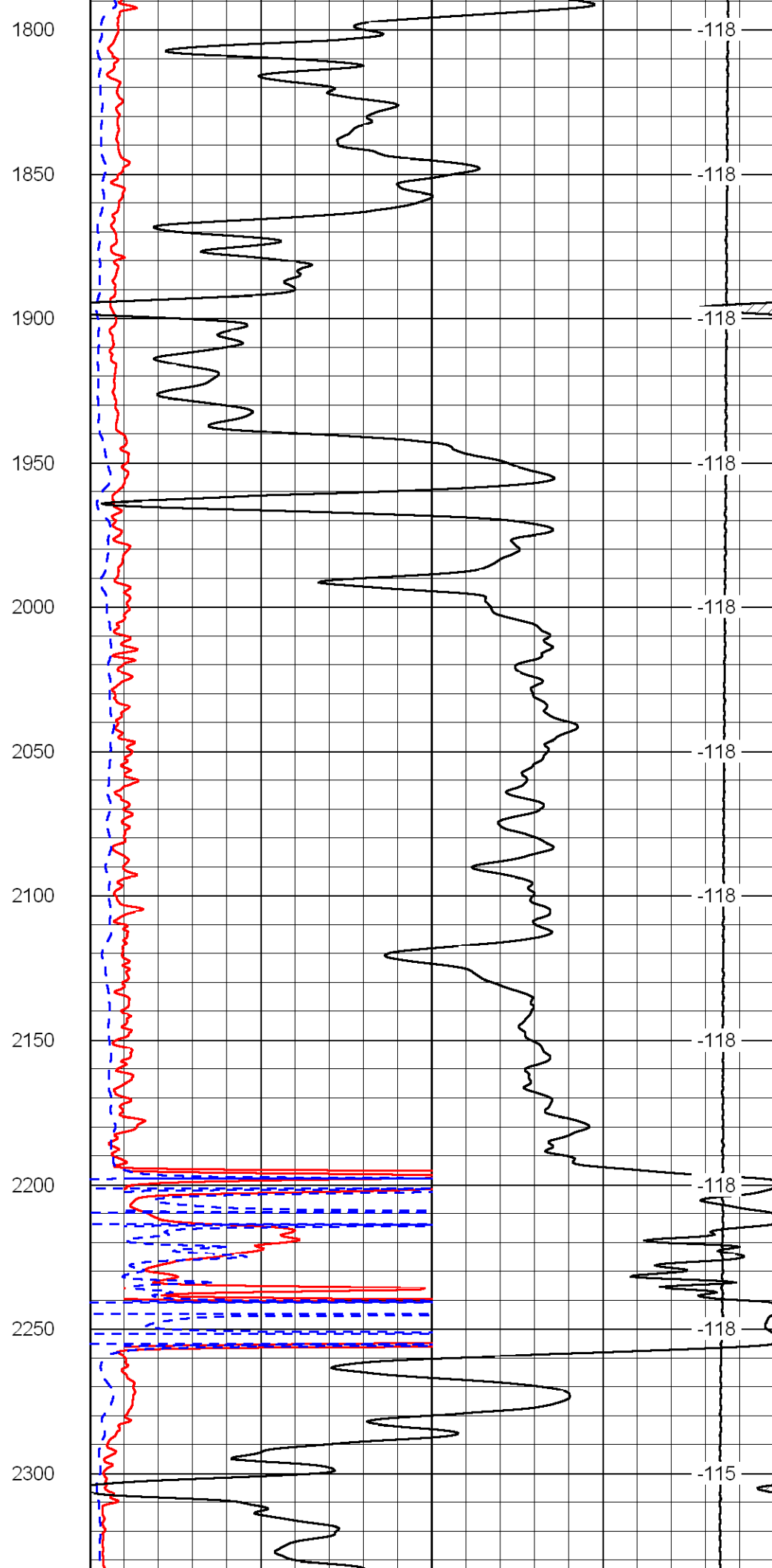
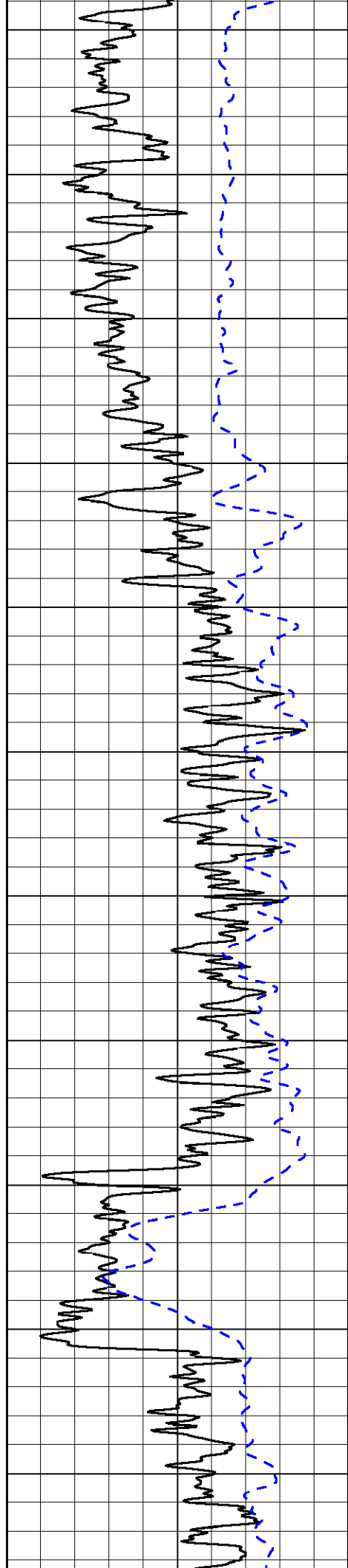


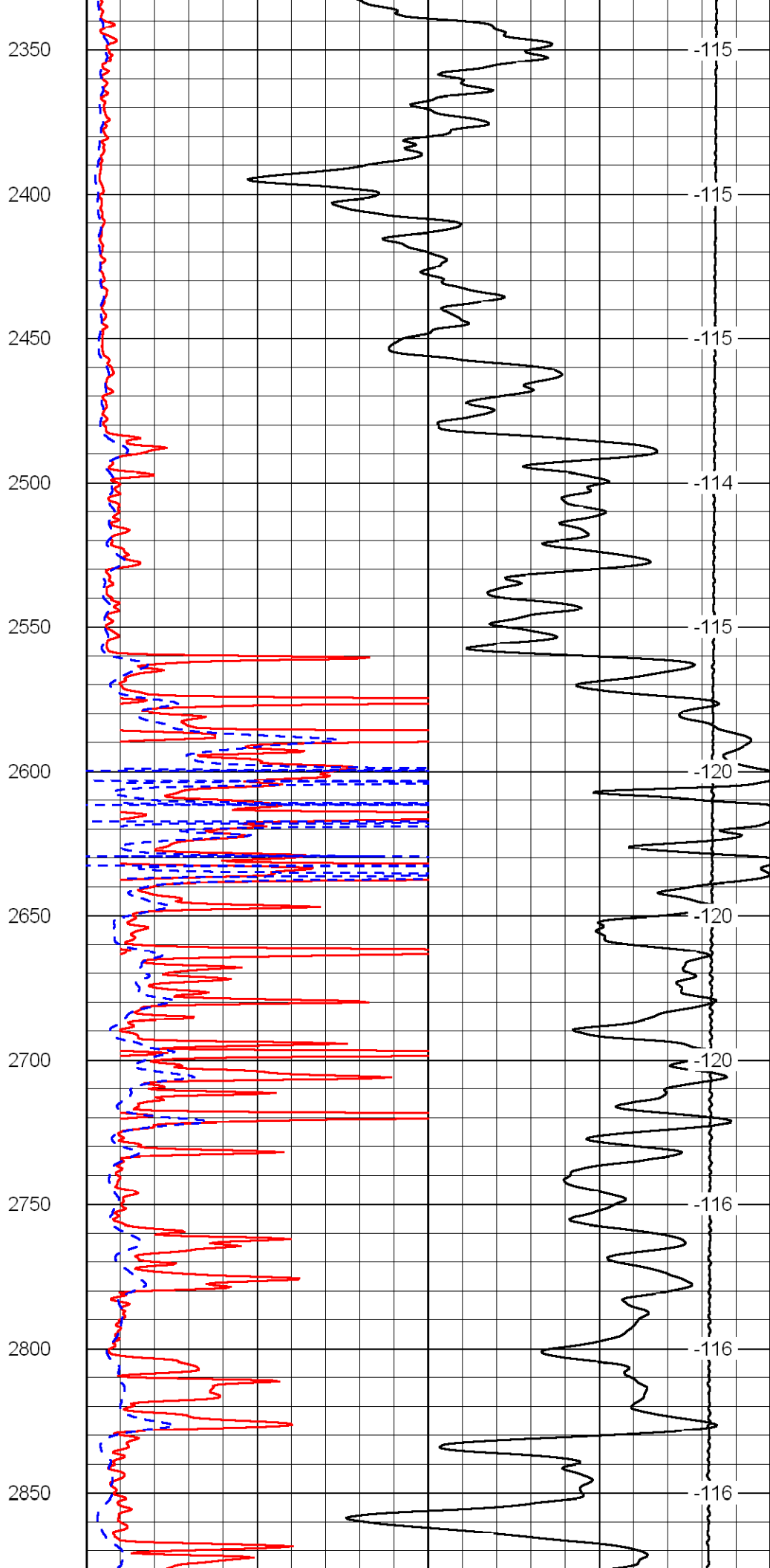
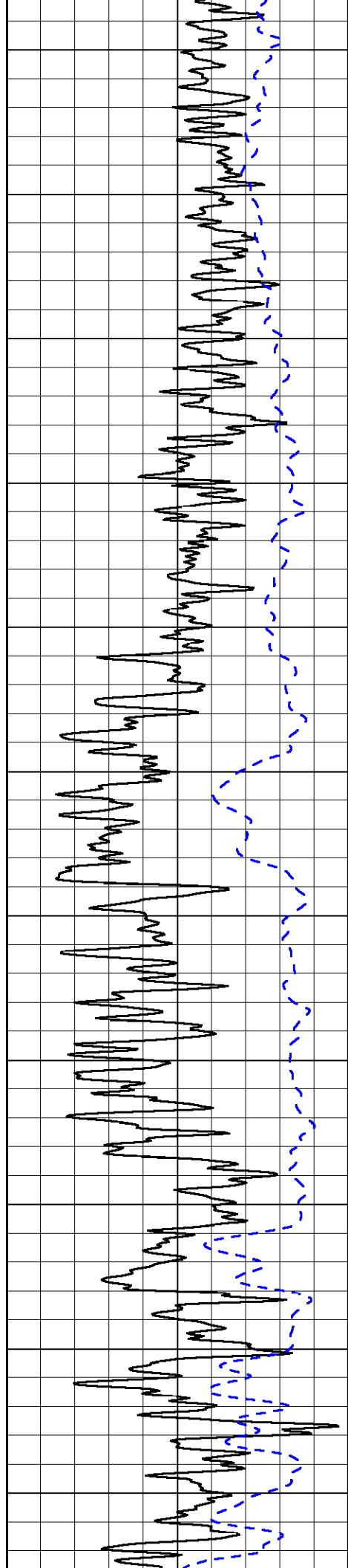
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950
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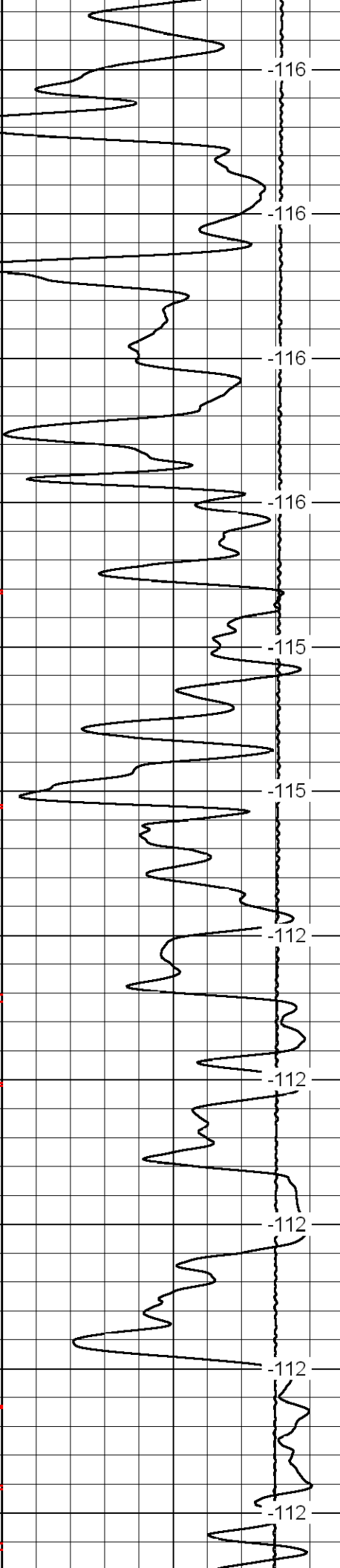
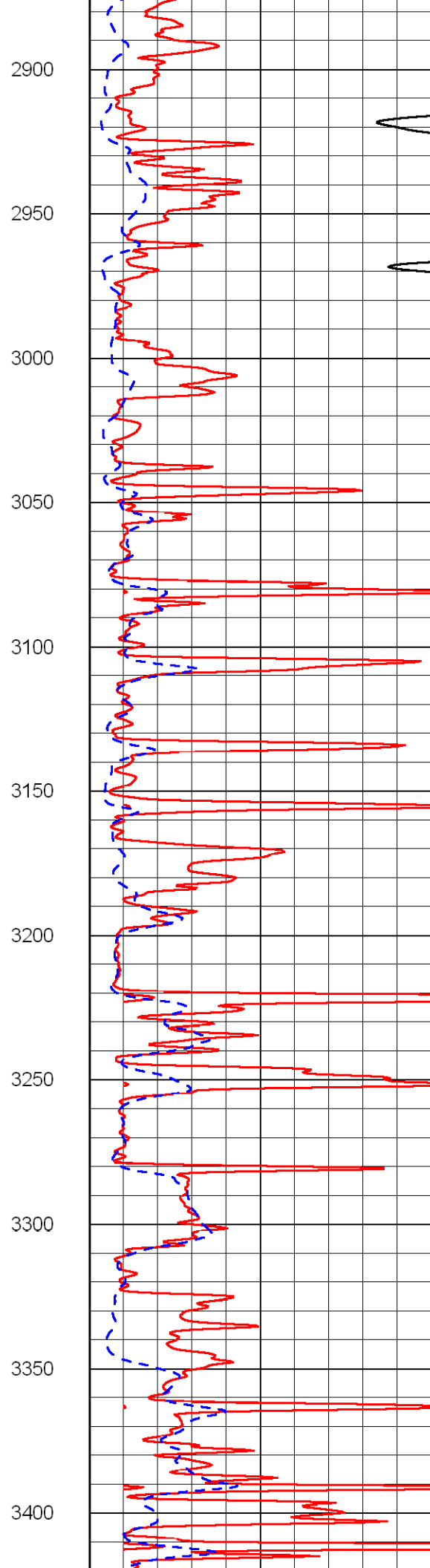
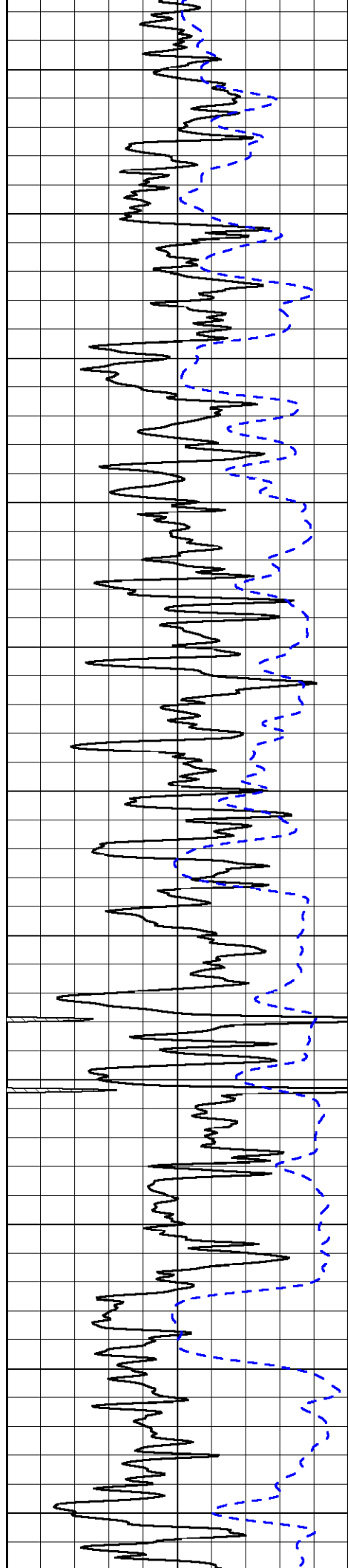


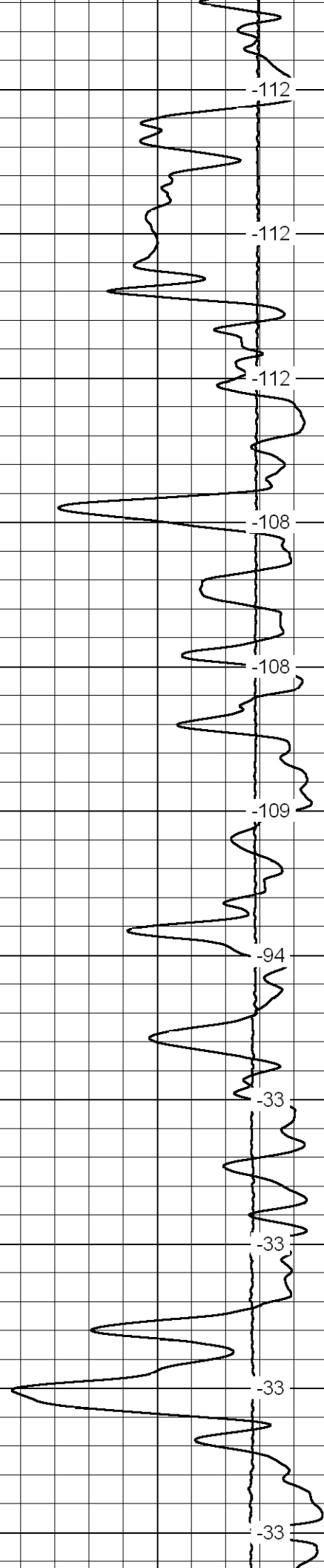
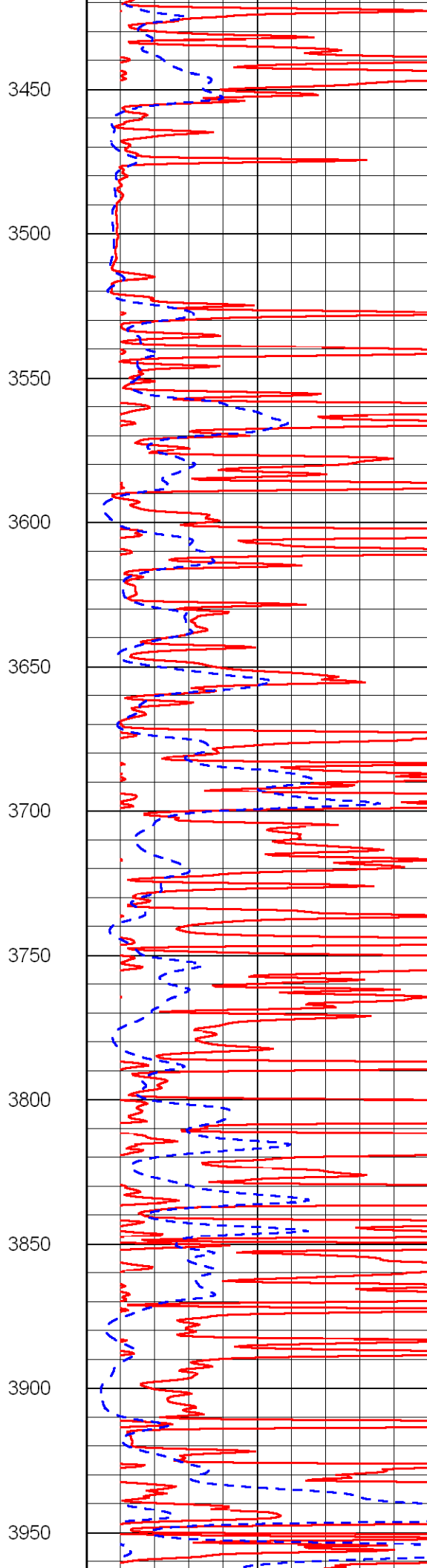
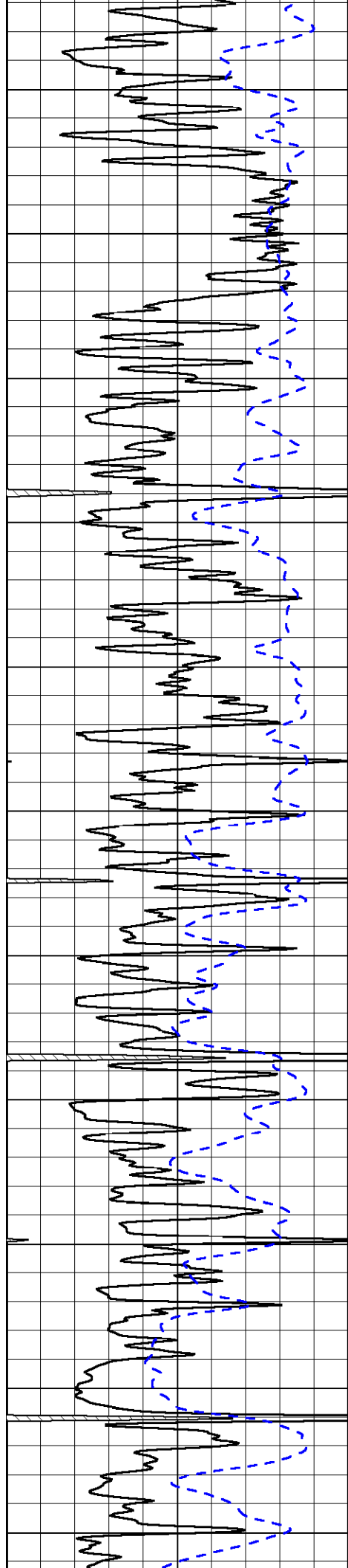
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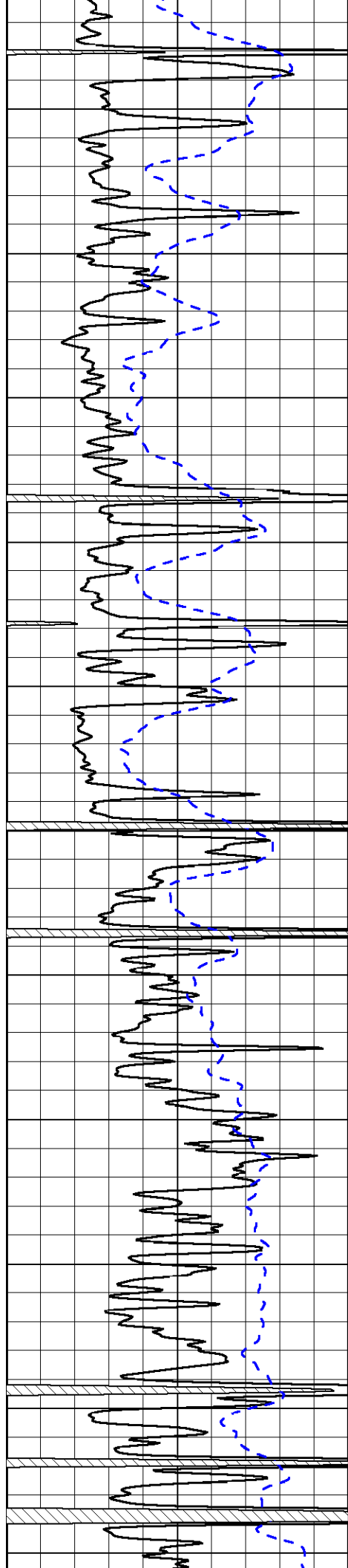




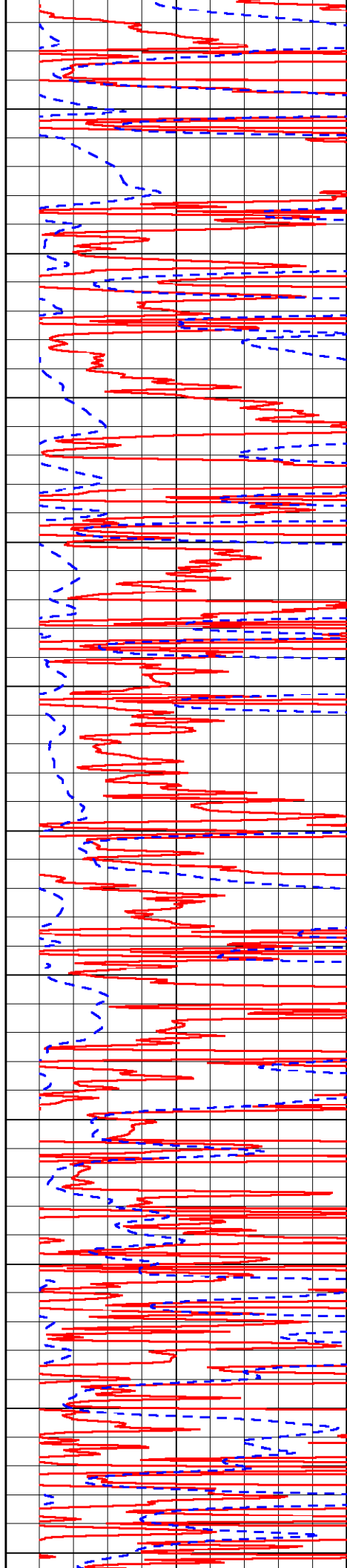




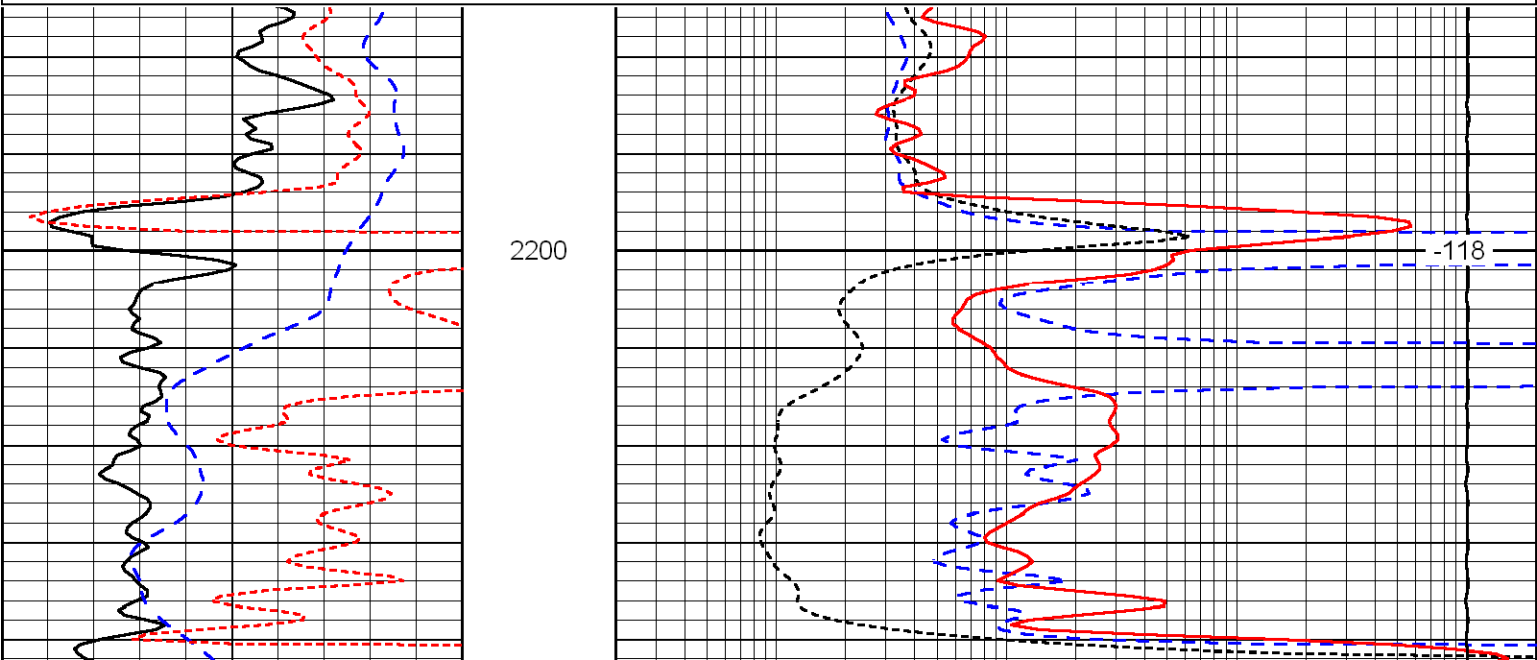
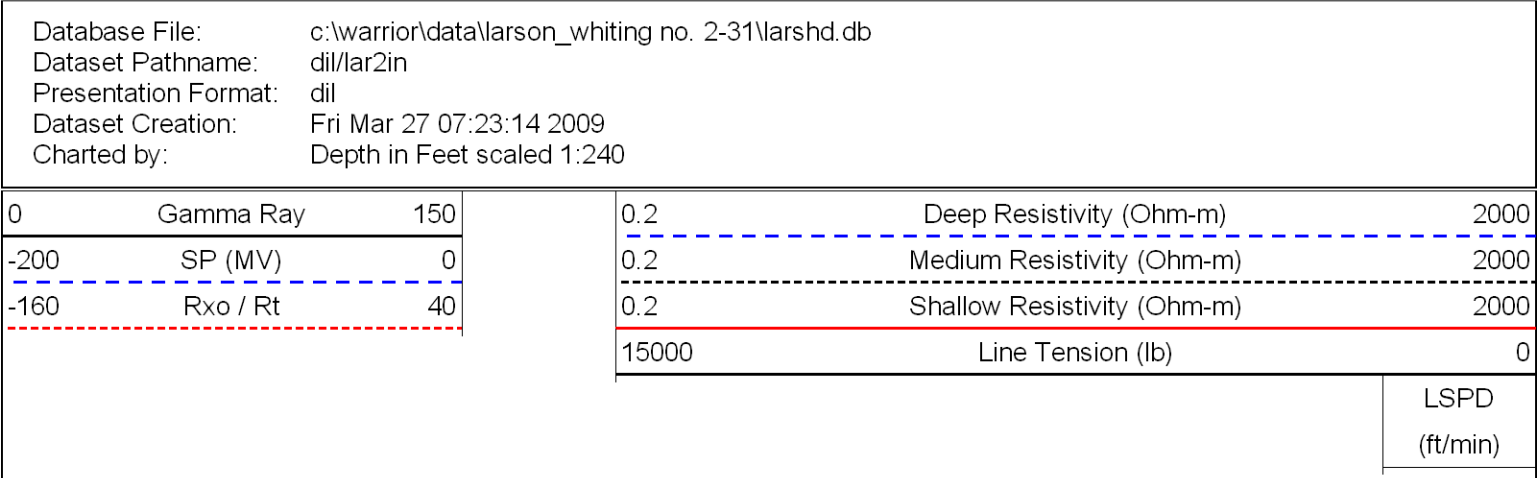
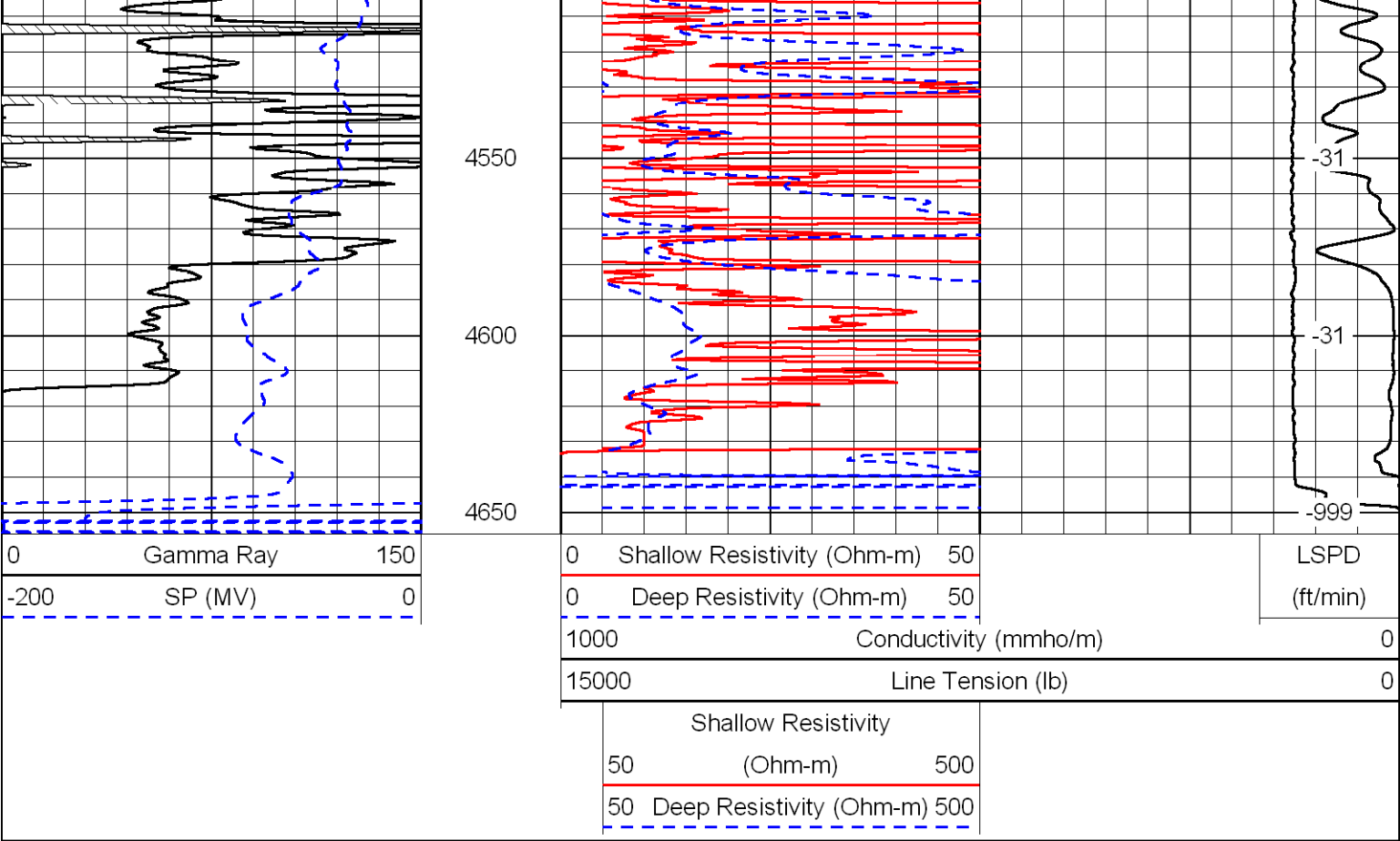


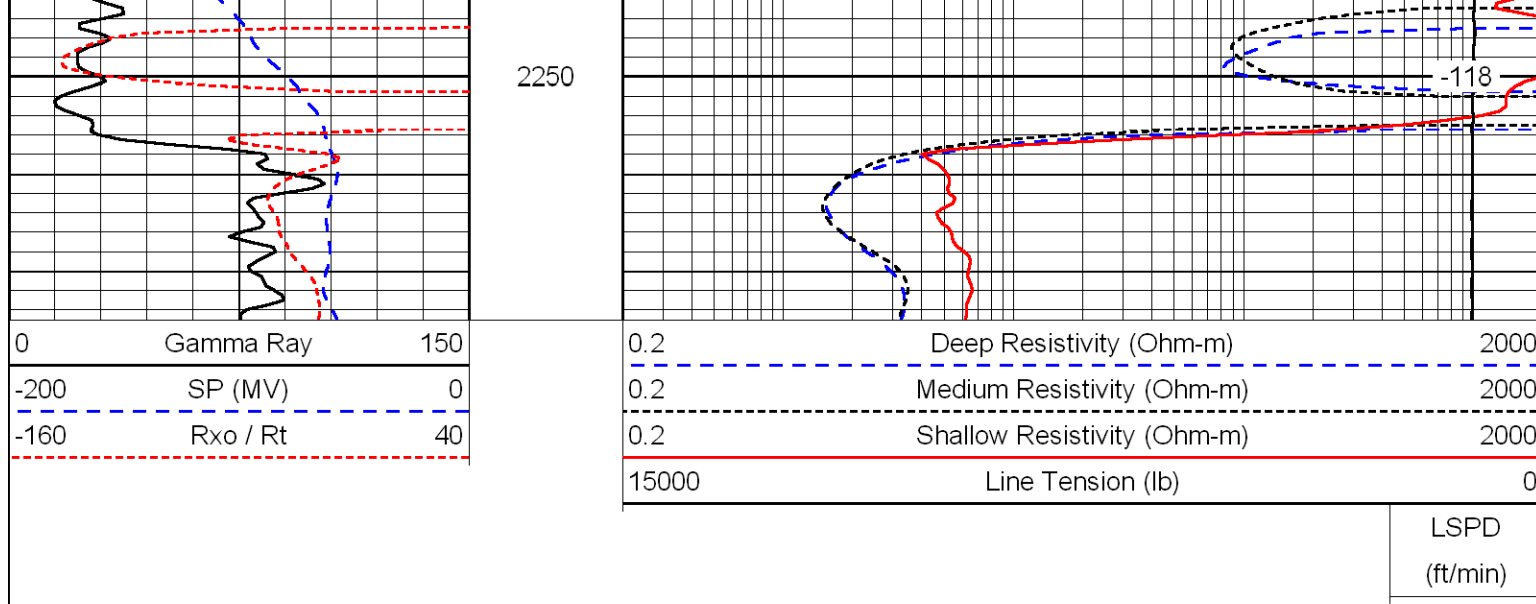


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4050
4100
4150
4200
4250
4300
4350
4400
4450
4500

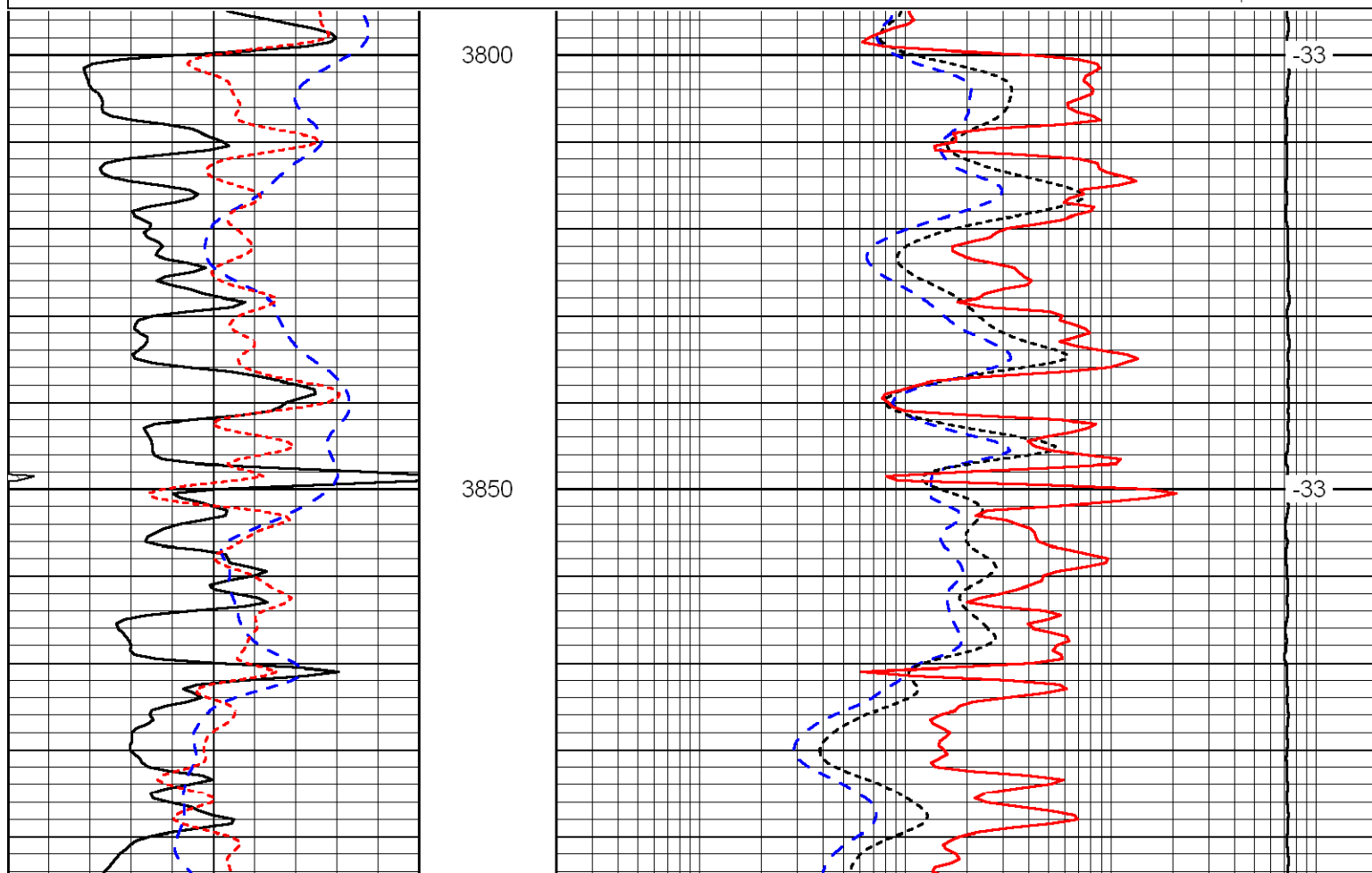
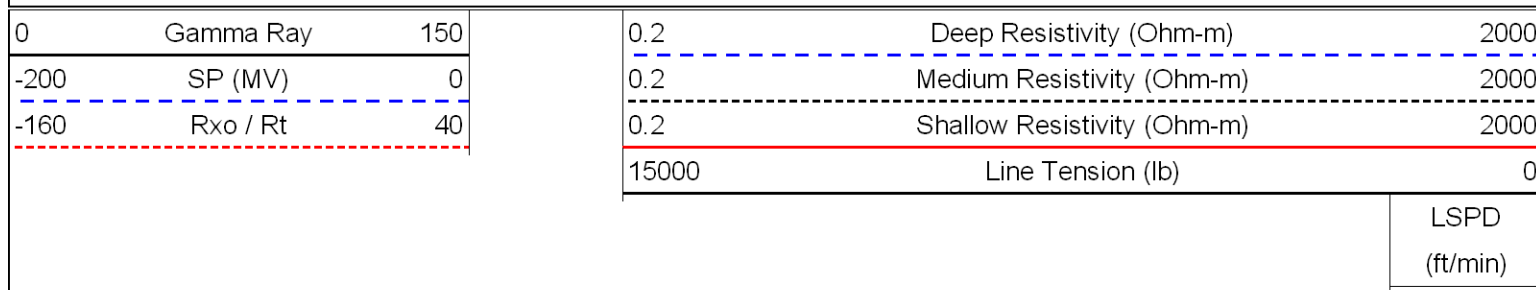


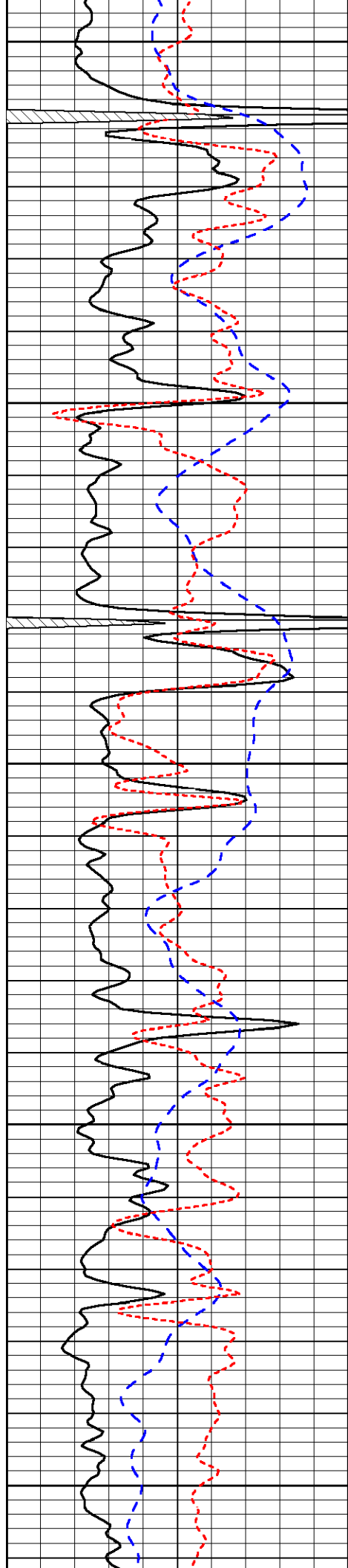
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 Presentation Format: dil
 Dataset Creation: Fri Mar 27 07:23:14 2009
 Charted by: Depth in Feet scaled 1:240





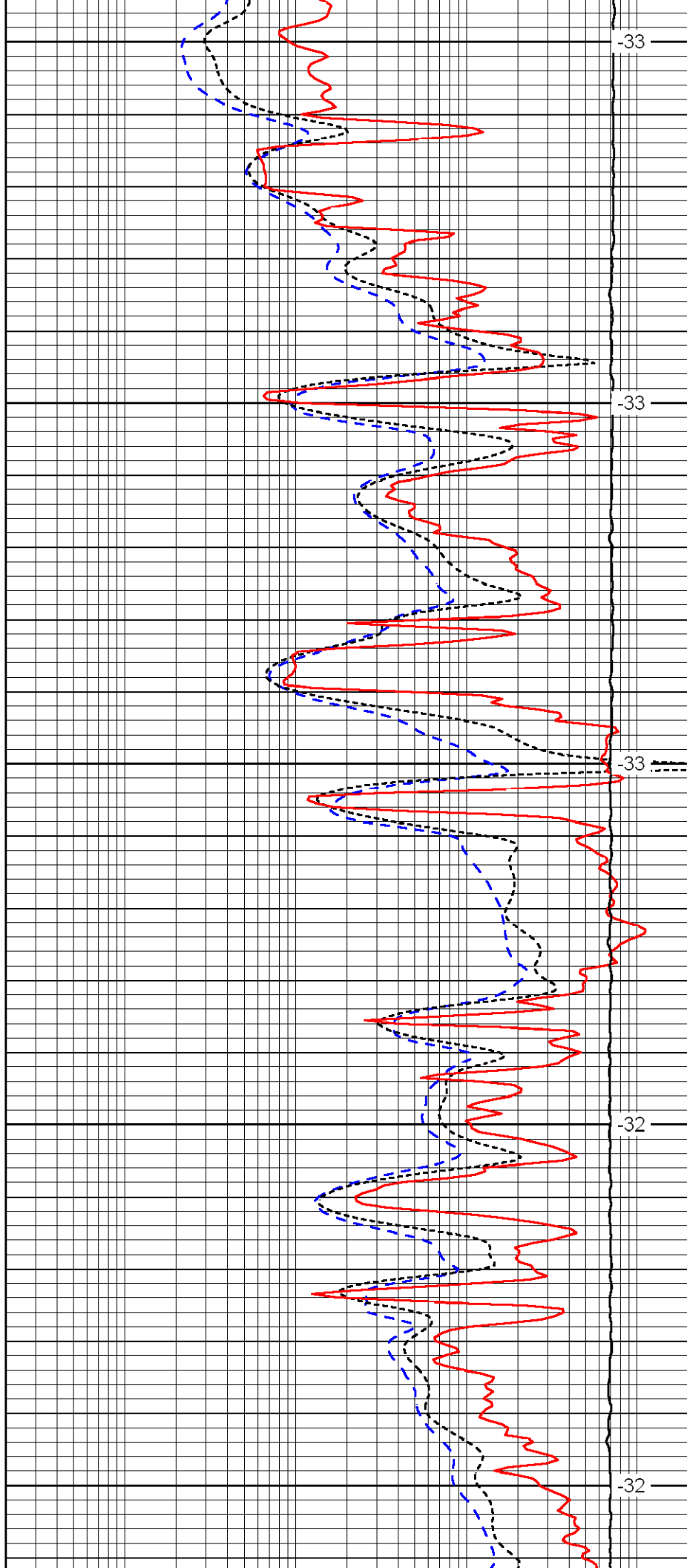
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3950

4000

4050

4100



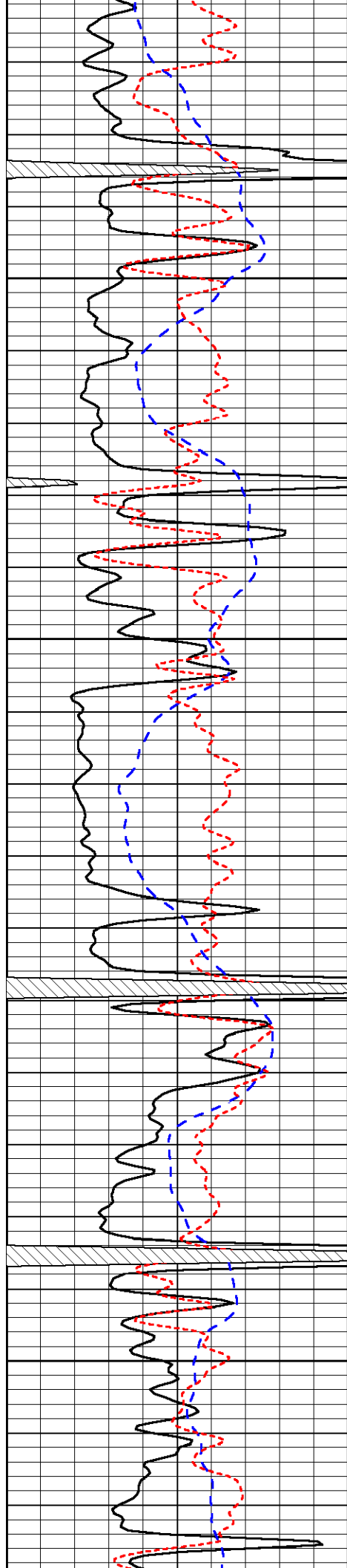
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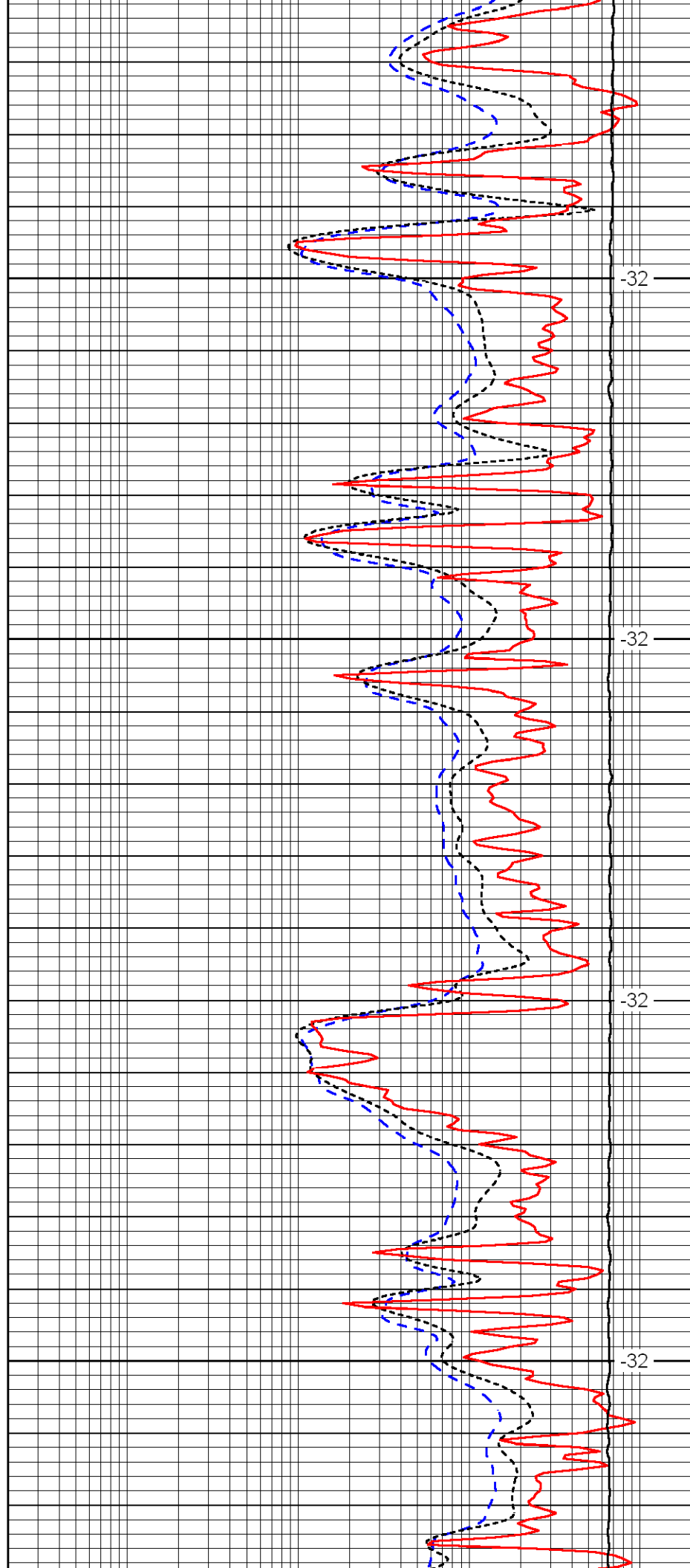


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4200

4250

4300

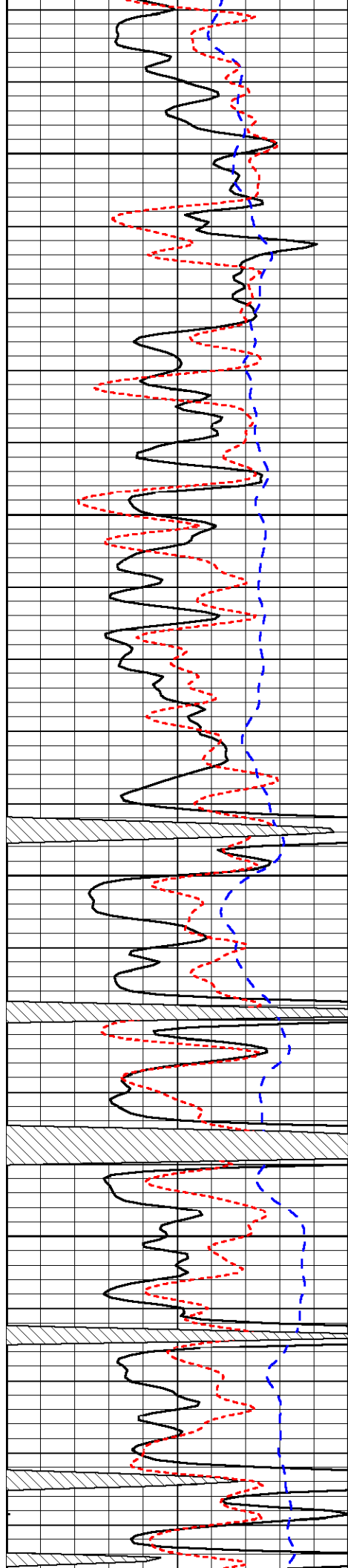


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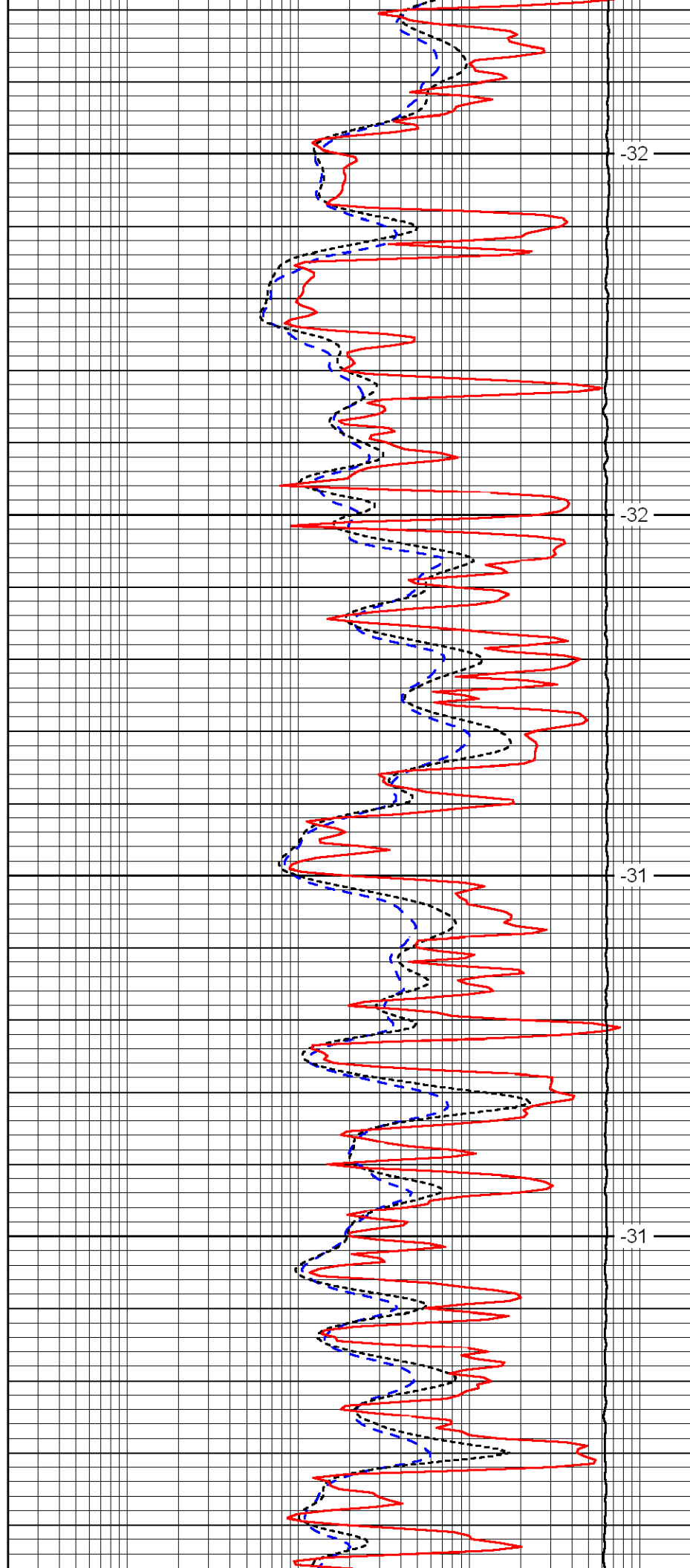


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4500

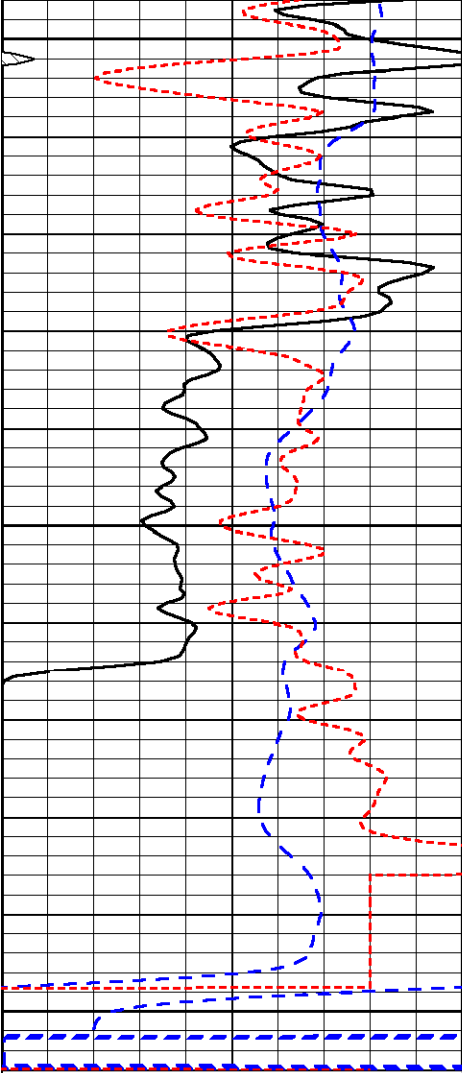


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-31

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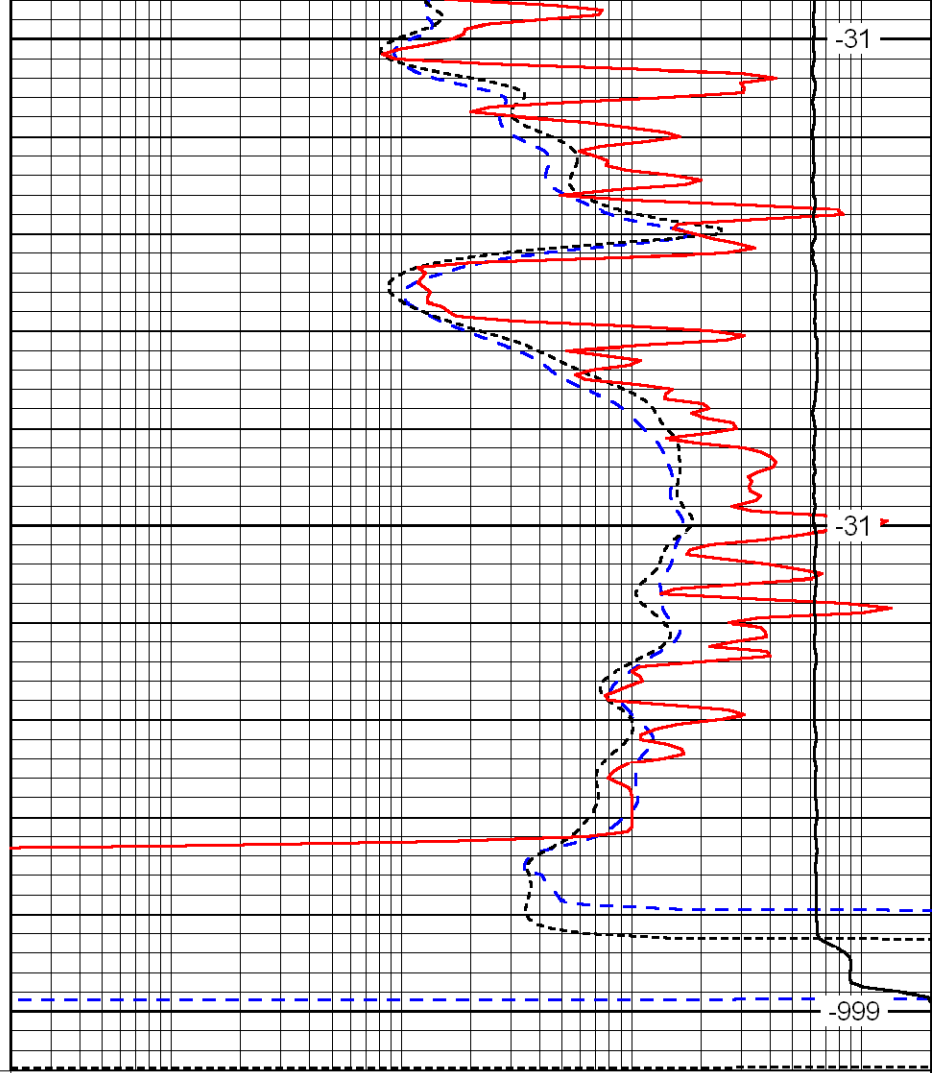


0	Gamma Ray	150
-200	SP (MV)	0
-160	Rxo / Rt	40

4550

4600

4650



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)