



Pioneer Energy Services

Dual Induction Log

API No.

15-007-24,138-00-00

Company White Exploration, Inc.

Well Chain Ranch "B" No. 2

Field Amber Creek

County Barber State

Kansas

Location 330' FNL & 330' FWL

Sec: 1

Twp: 31S

Rge: 12W

Permanent Datum Ground Level Elevation 1620
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
MEI/BHCS

Elevation
K.B. 1630
D.F. 1620
G.L. 1620

Date 3/14/2014

Run Number One

Depth Driller 4450

Depth Logger 4450

Bottom Logged Interval 4449

Top Log Interval 300

Casing Driller 8.625 @ 309

Casing Logger 310

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 4000

Density / Viscosity 9.4 44

pH / Fluid Loss 10.0 9.2

Source of Sample Flowline

Rm @ Meas. Temp .52 @ 74

Rmf @ Meas. Temp .39 @ 74

Rmc @ Meas. Temp .70 @ 74

Source of Rmf / Rmc Charts

Rm @ BHT .32 @ 121

Operating Rig Time 4 1/2 Hours

Max Rec. Temp. F 121

Equipment Number 108

Location Hays

Recorded By J. Long

Witnessed By Andy White

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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

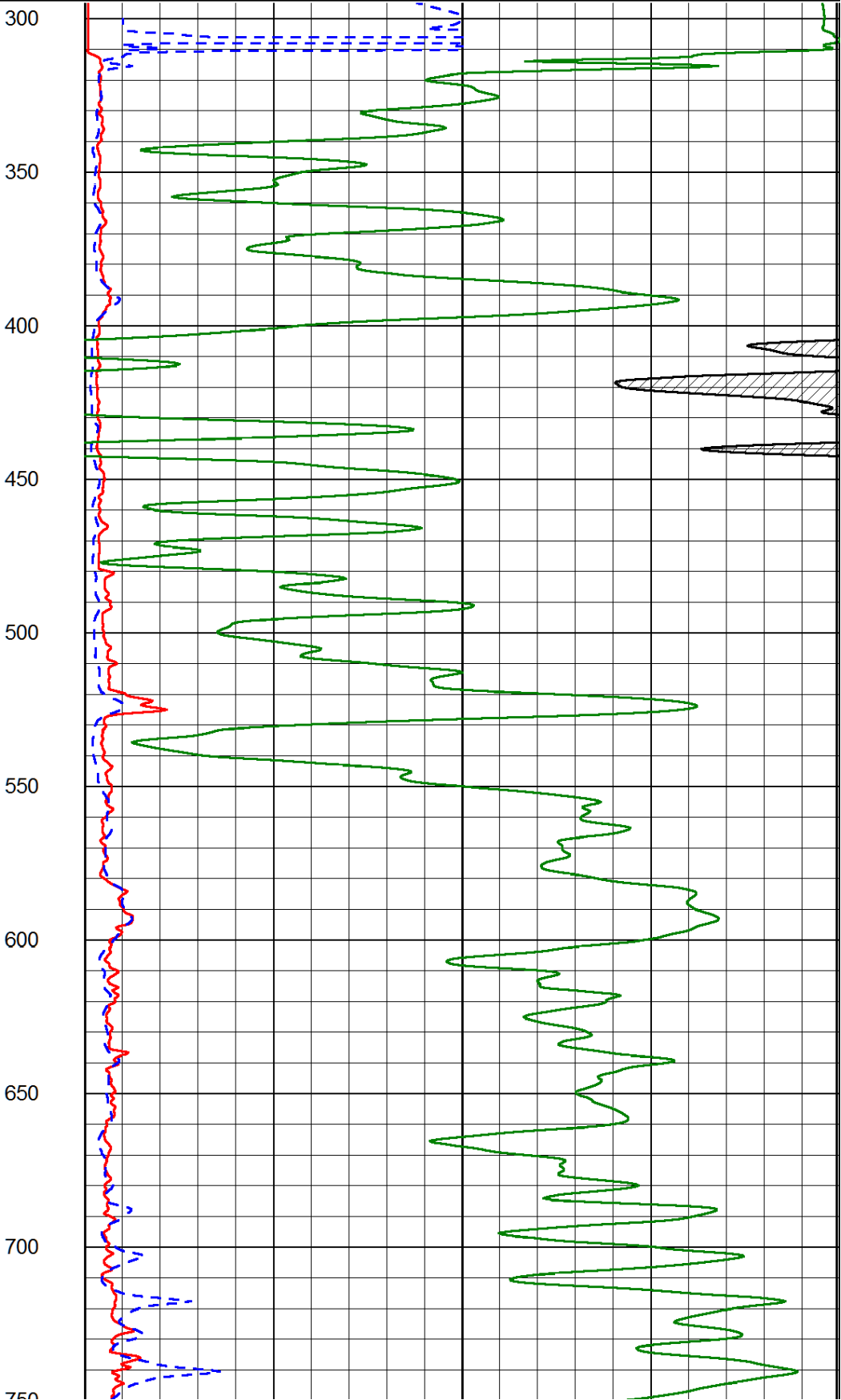
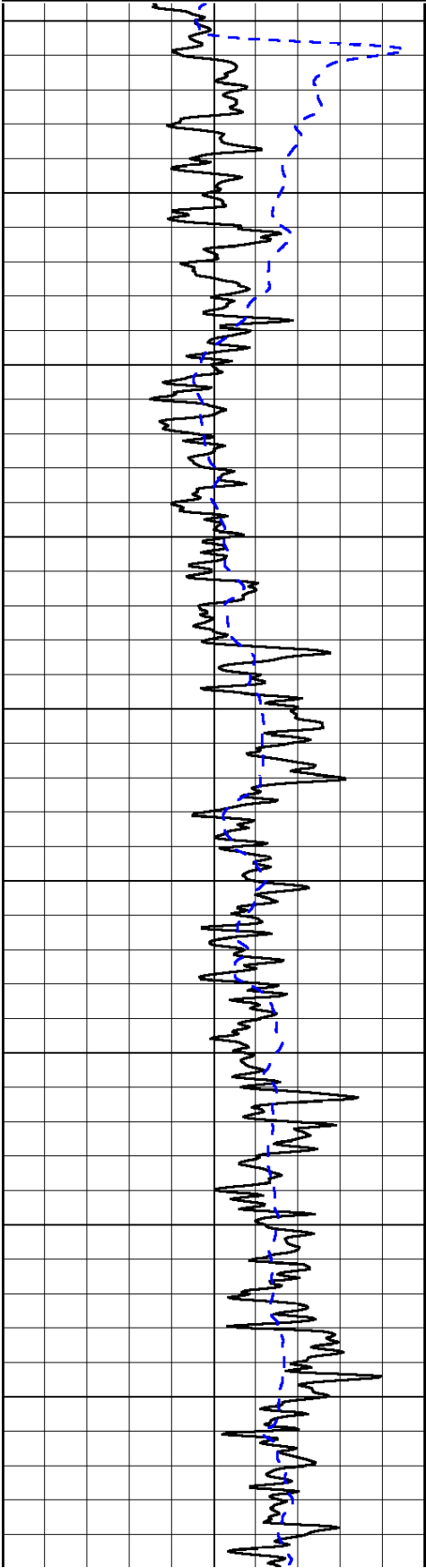
Thank you for using Log-Tech, Inc.
(785) 625-3858

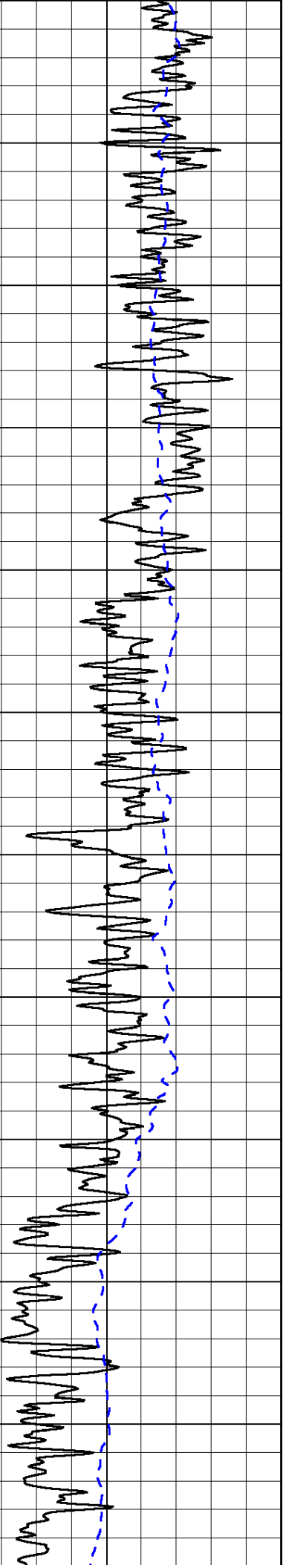
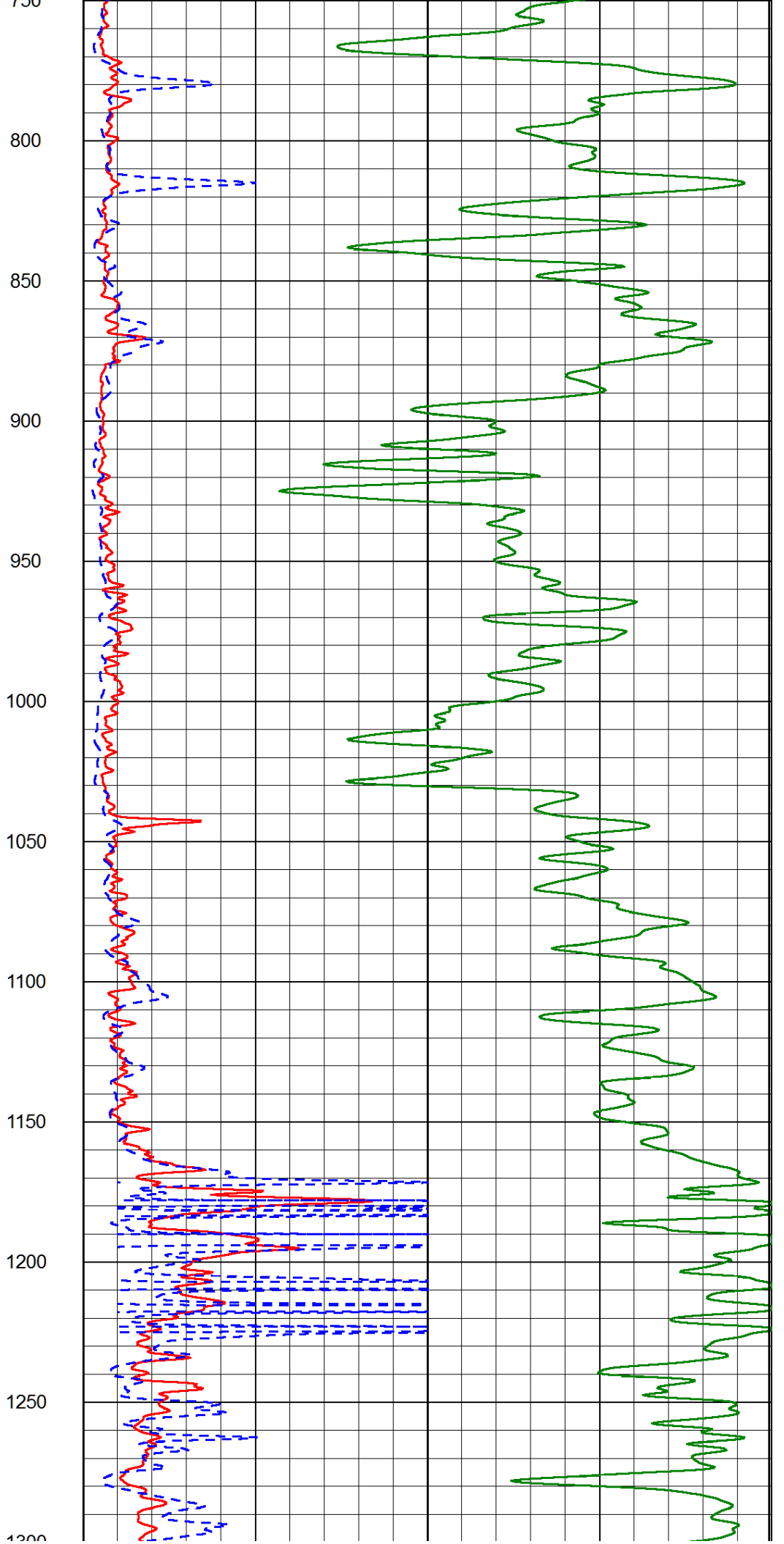
Medicine Lodge, 7 North to Resort Road (99 Springs Road), 1/2 East and North, 1/4 East,
South Into

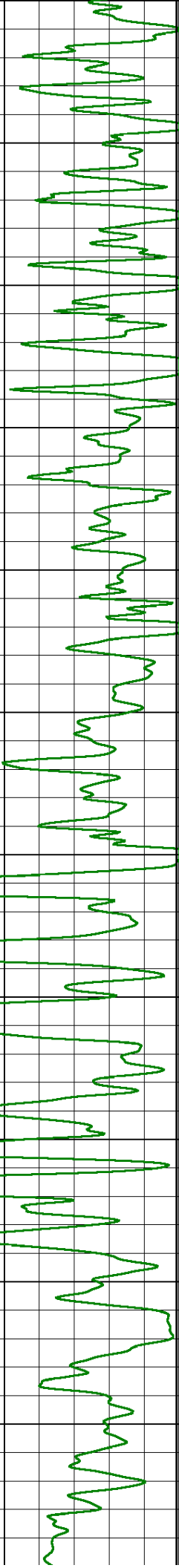
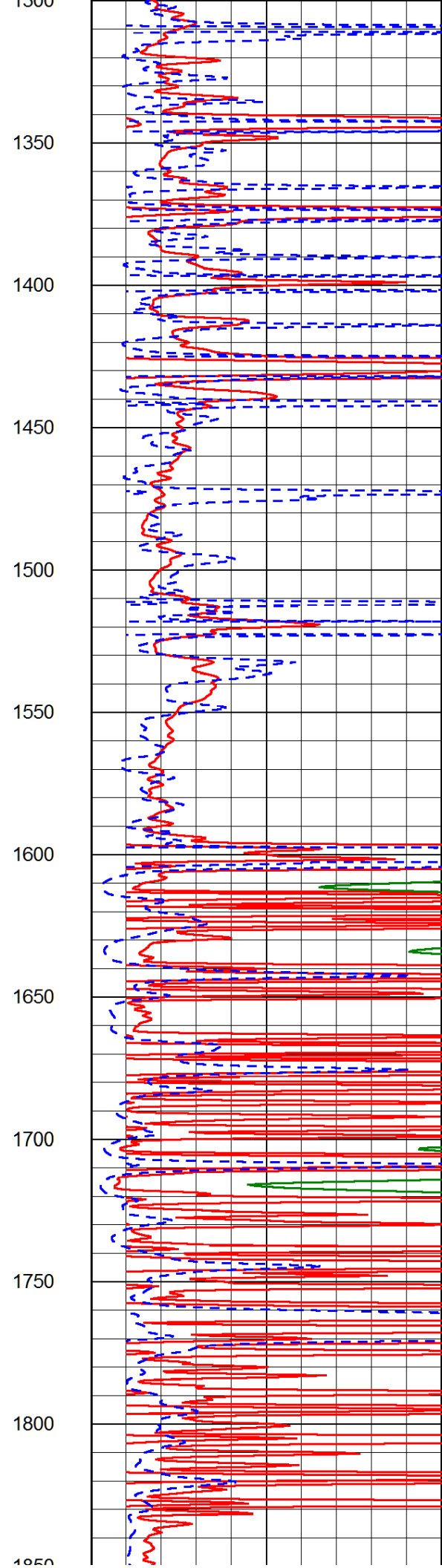
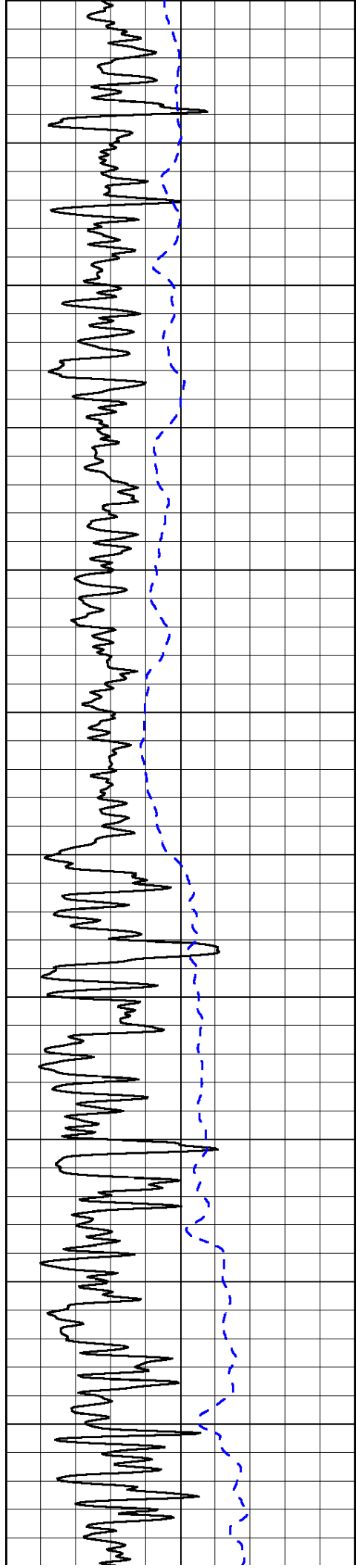
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Presentation Format: dil2in
Dataset Creation: Fri Mar 14 15:29:05 2014
Charted by: Depth in Feet scaled 1:600

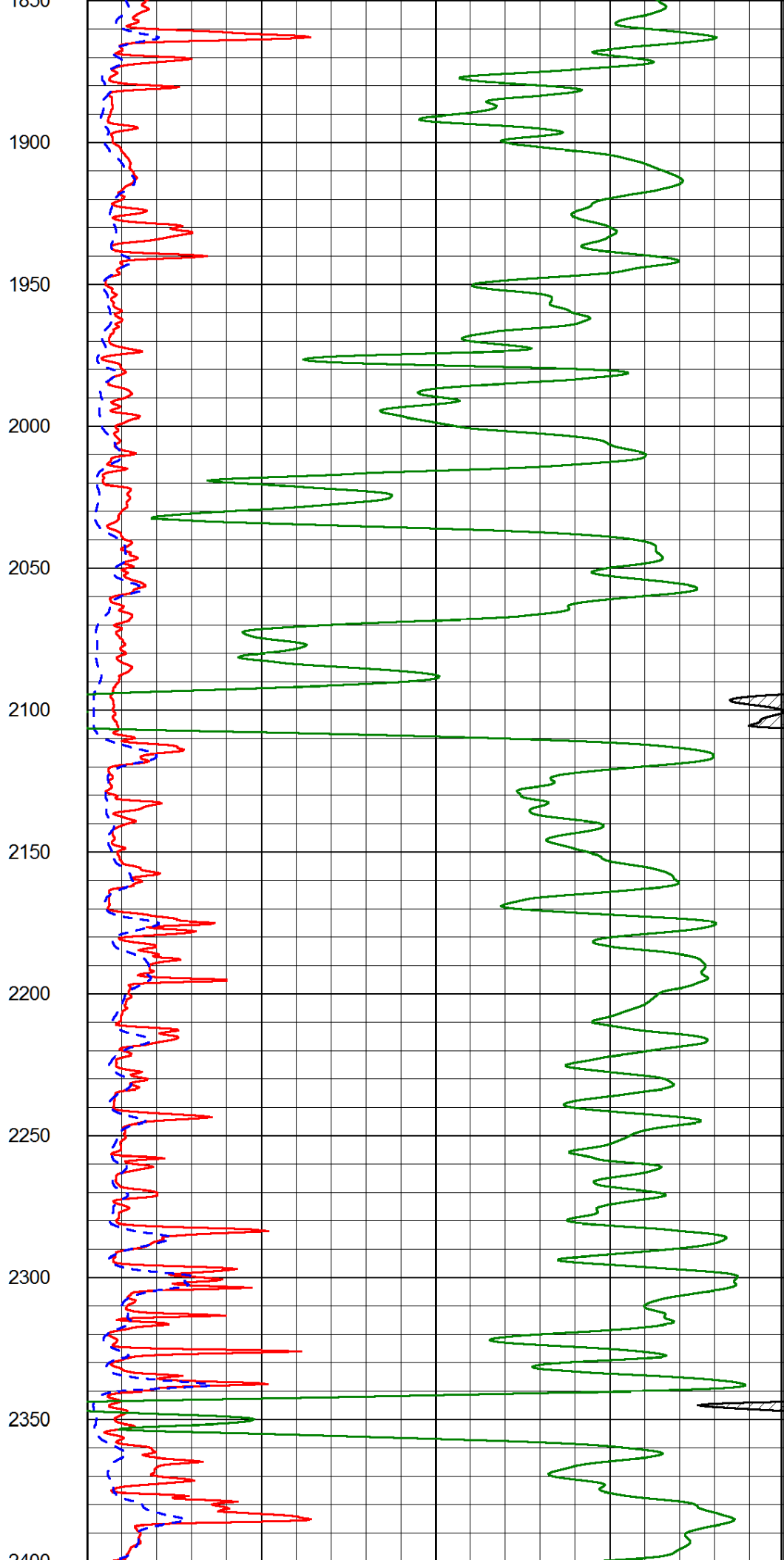
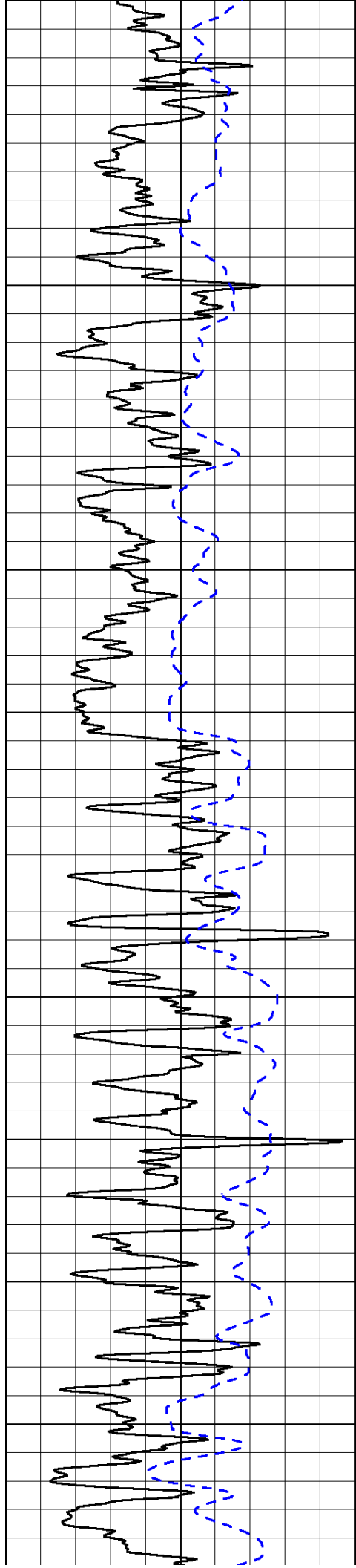
0	Gamma Ray (GAPI)	150
-200	SP (mV)	0

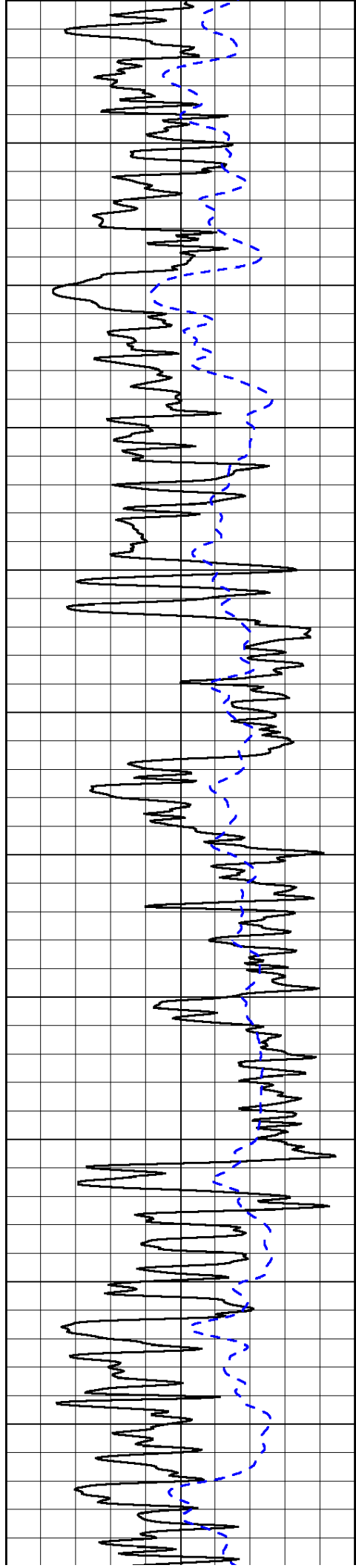
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (Ohm-m)	0
15000	Line Tension (lb)	0
	Shallow Resistivity	
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500



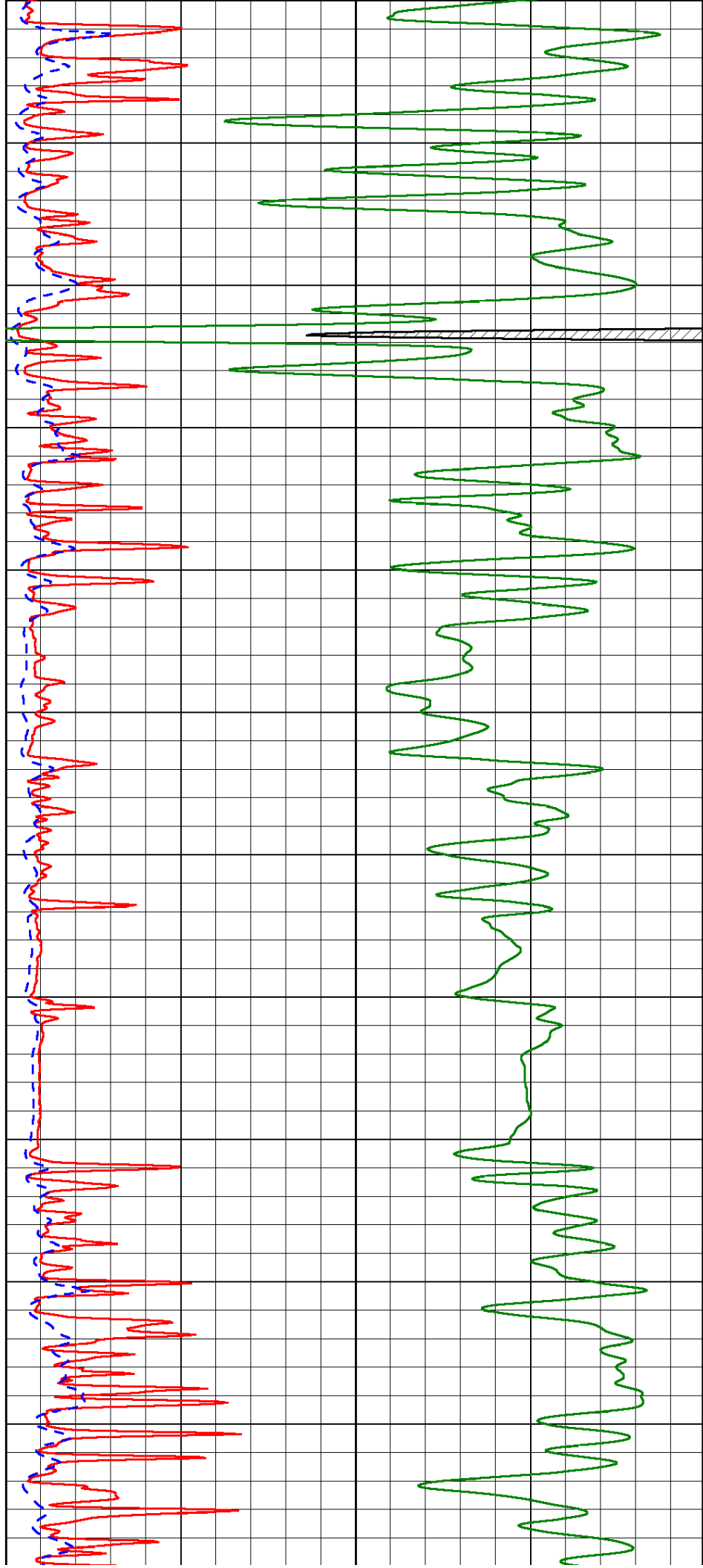


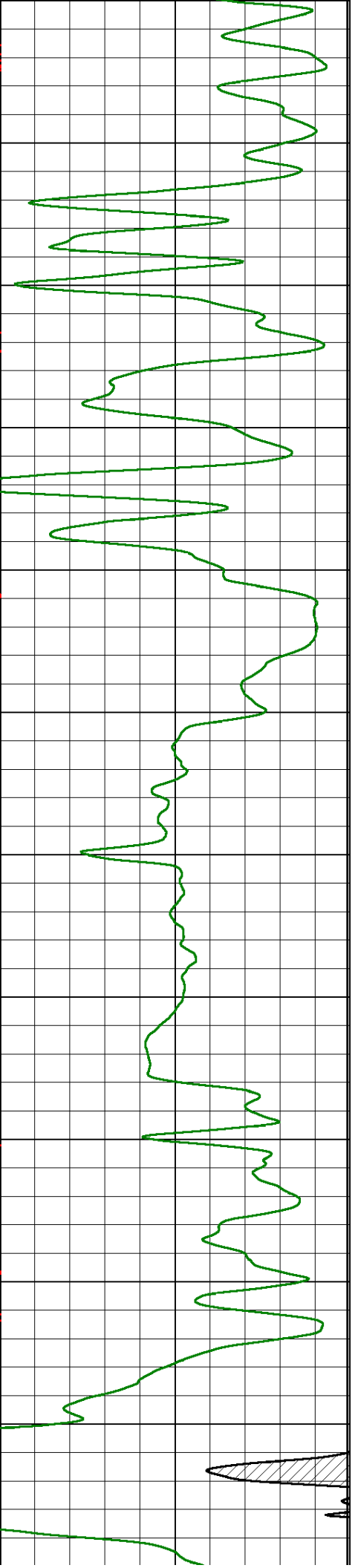
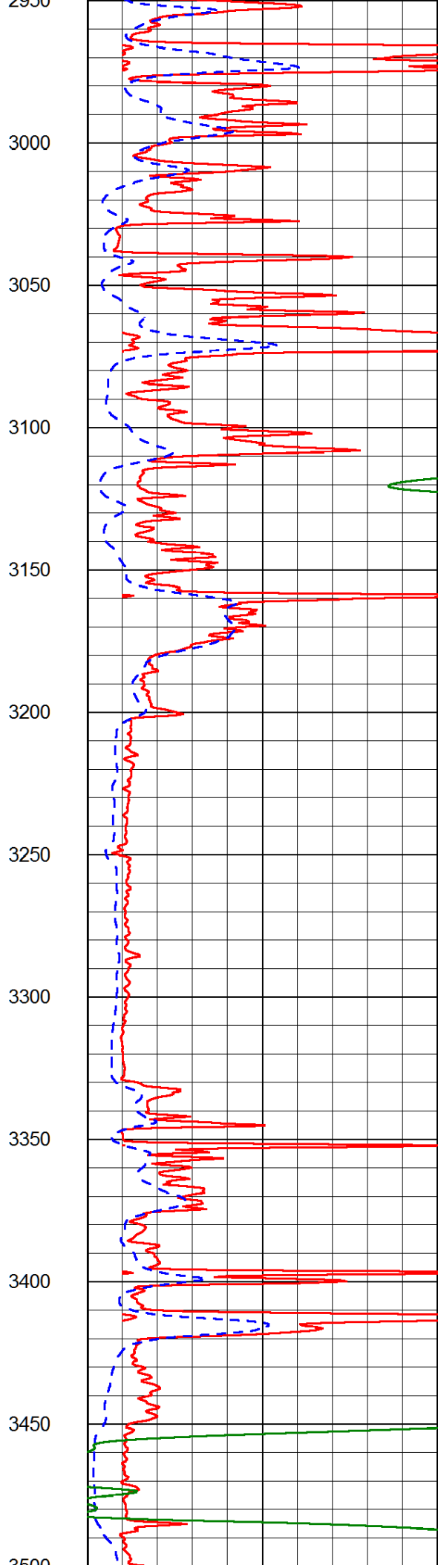
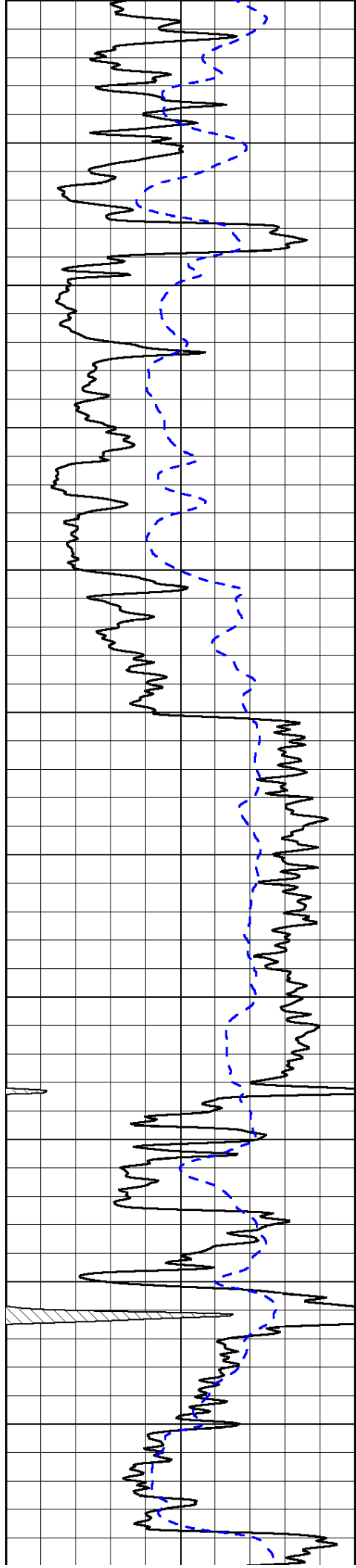


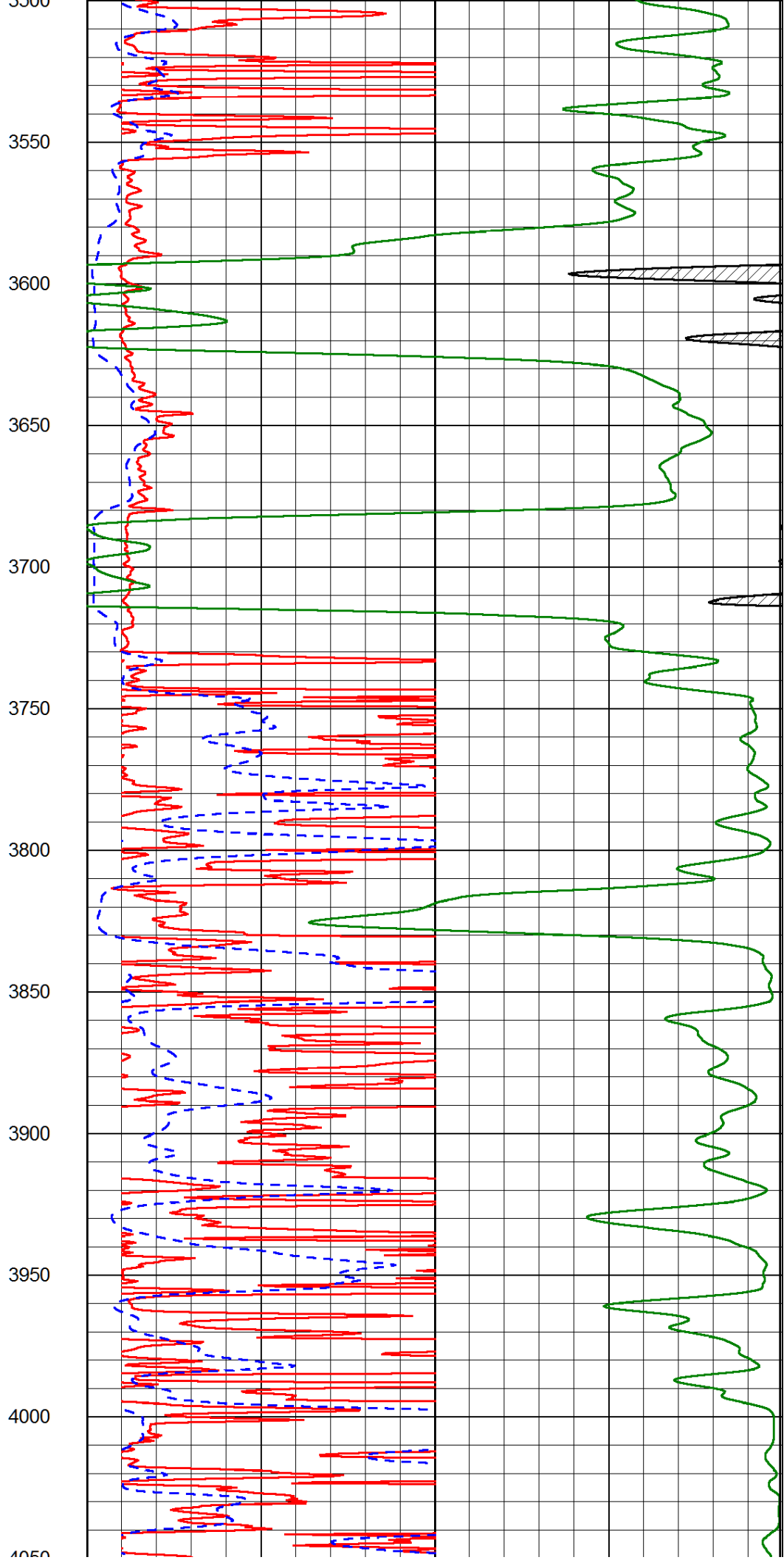
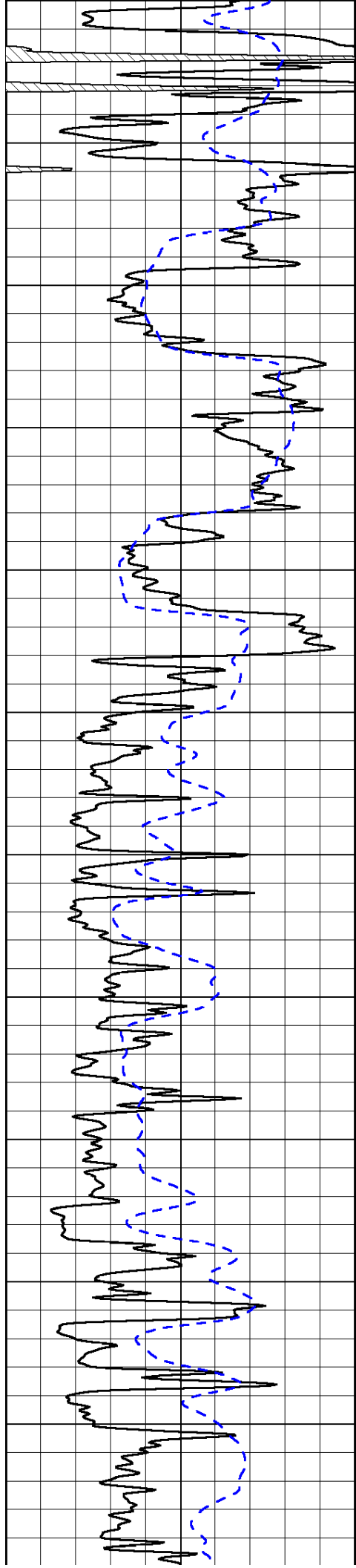


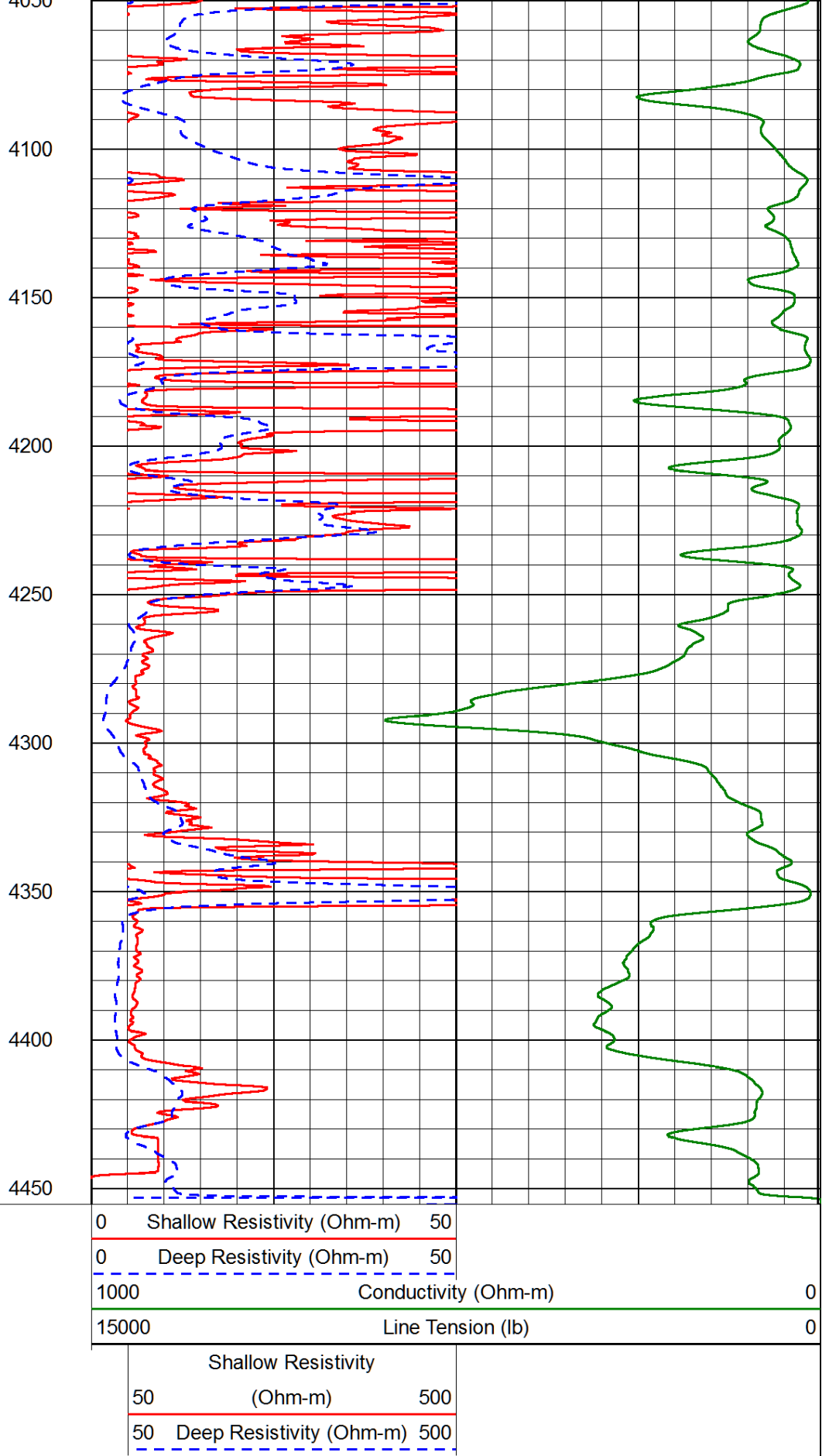
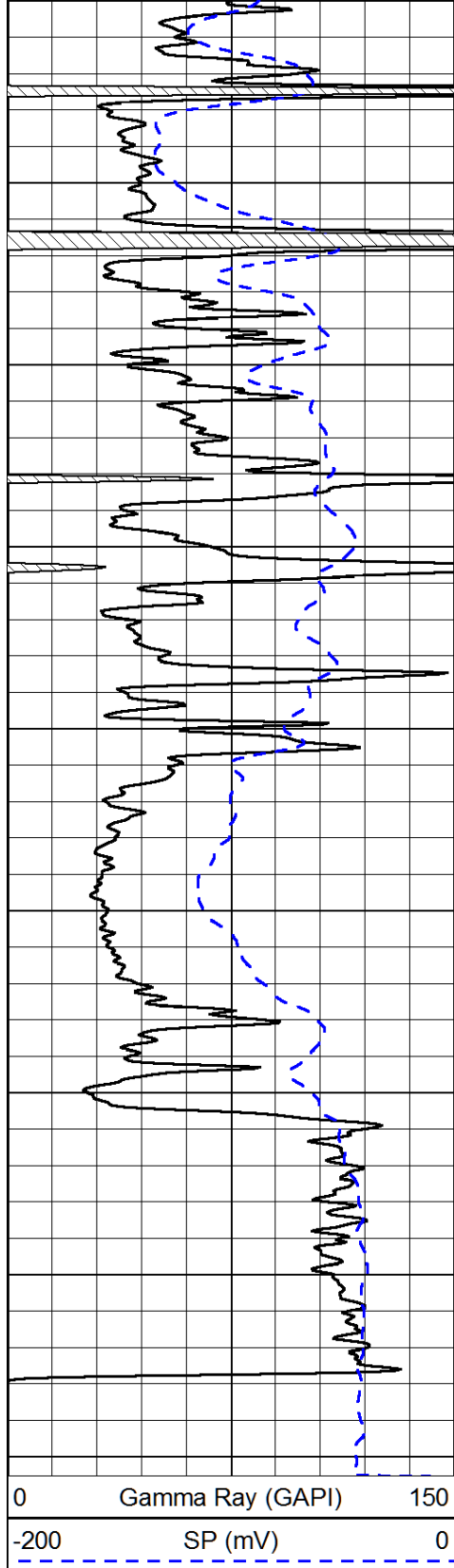


2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
2900
2950







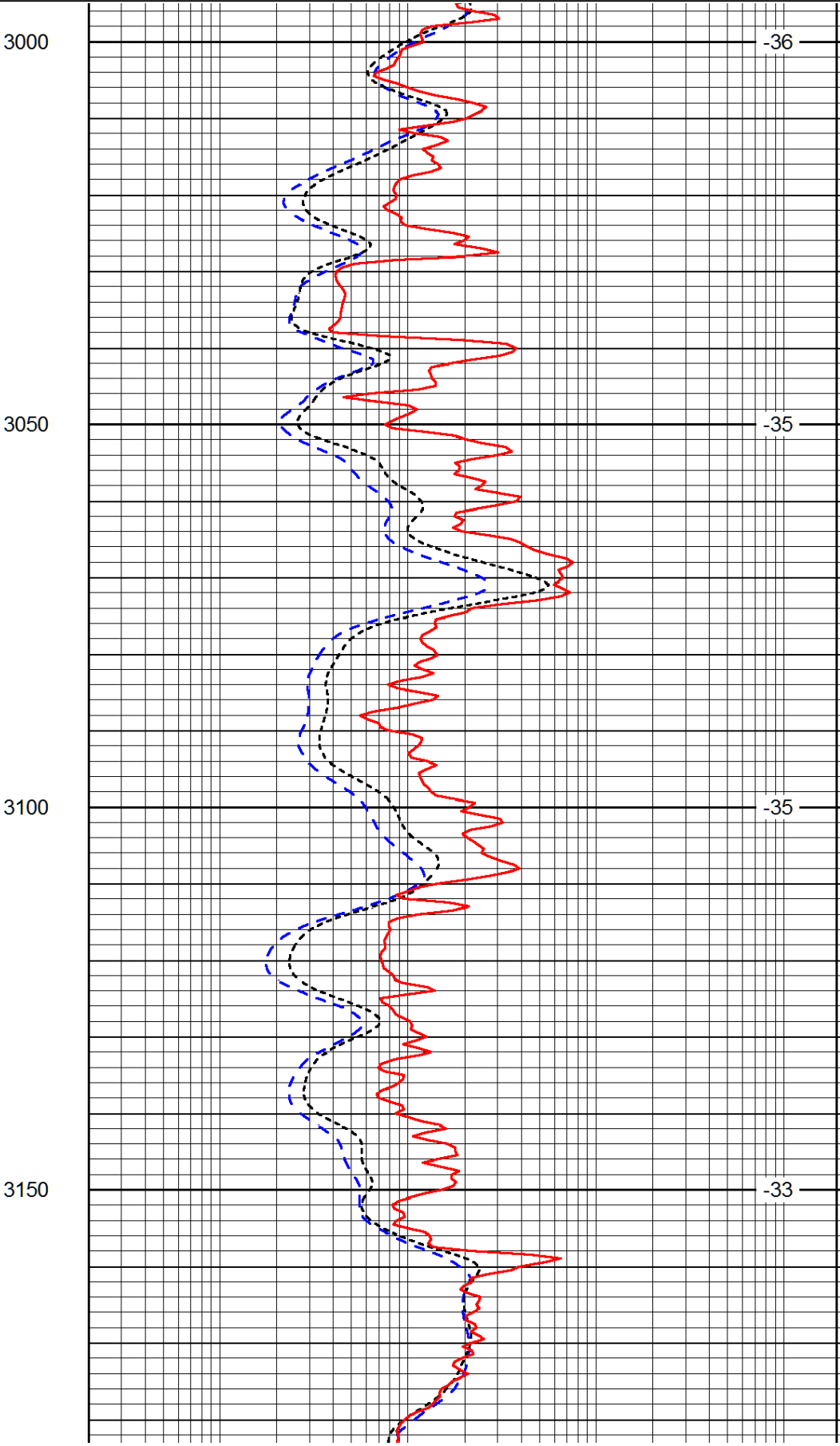
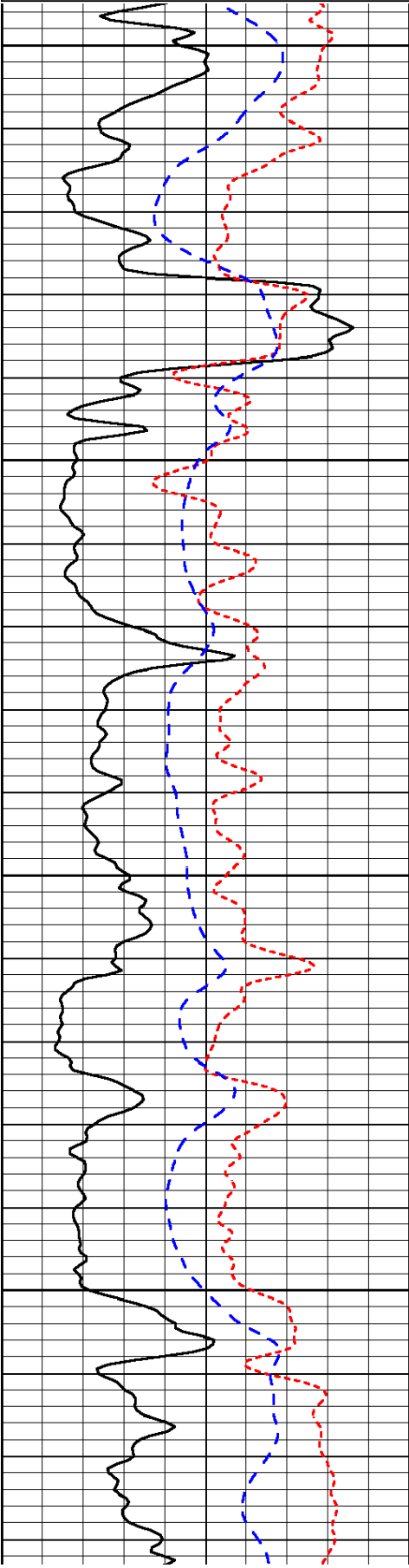


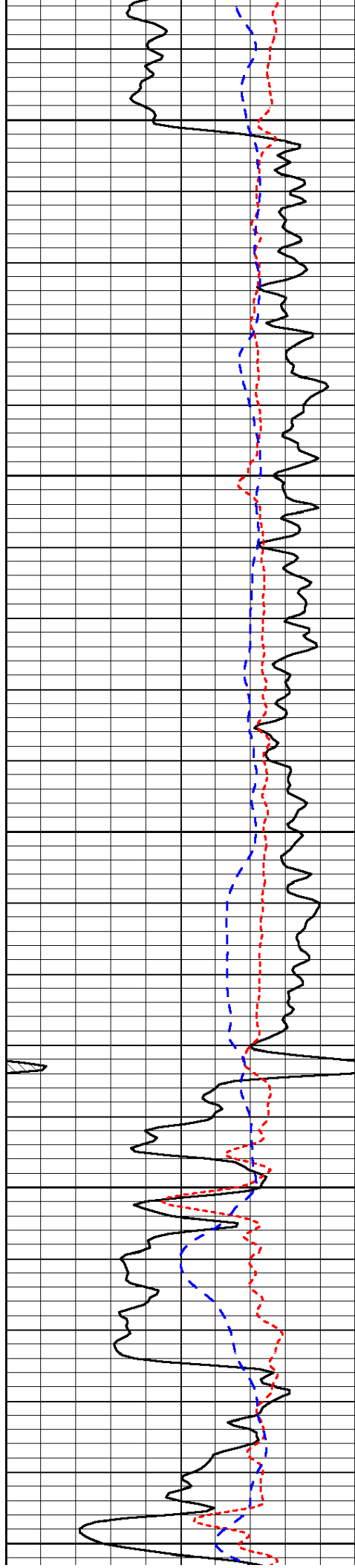
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 Dataset Pathname: dil/whitstck
 Presentation Format: dil
 Dataset Creation: Fri Mar 14 15:29:05 2014
 Charted by: Depth in Feet scaled 1:240

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)





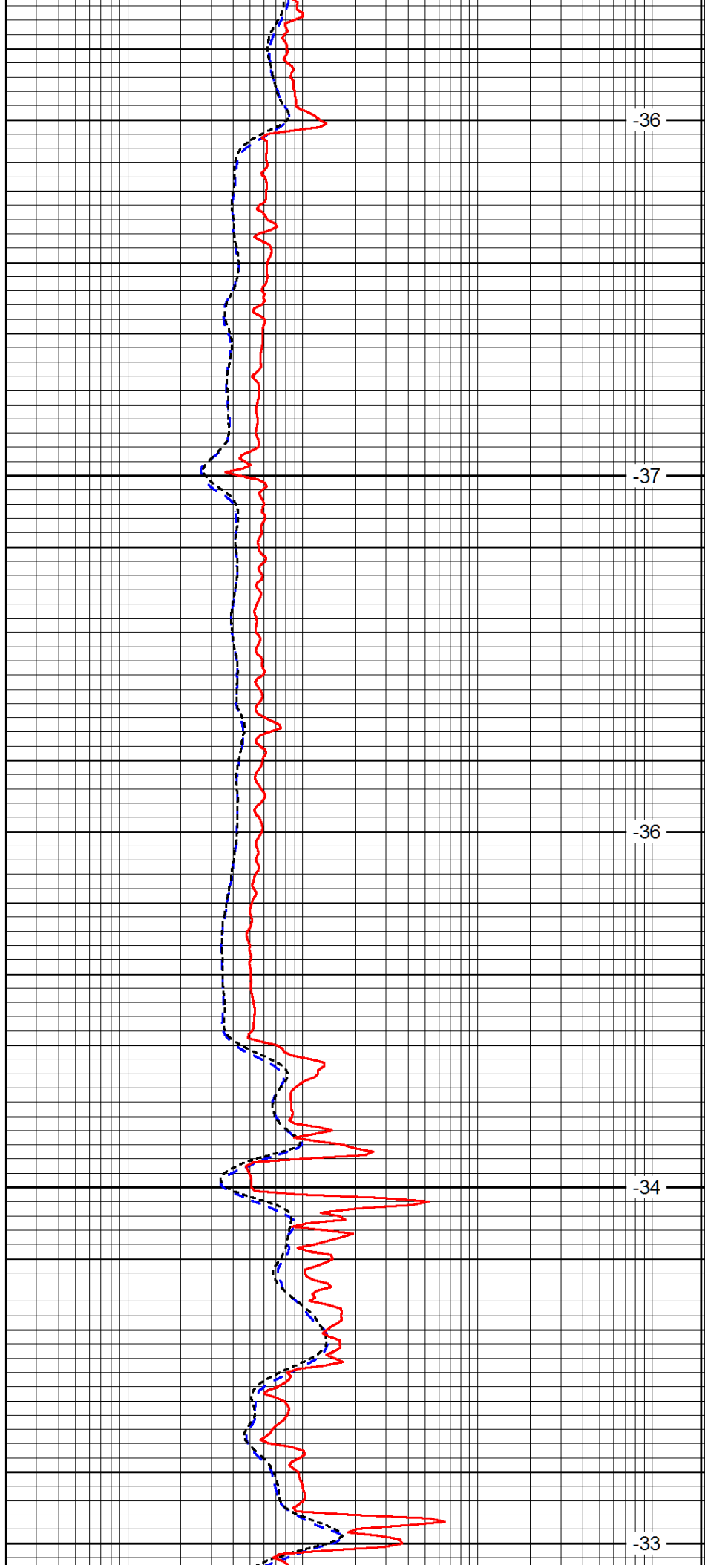
3200

3250

3300

3350

3400



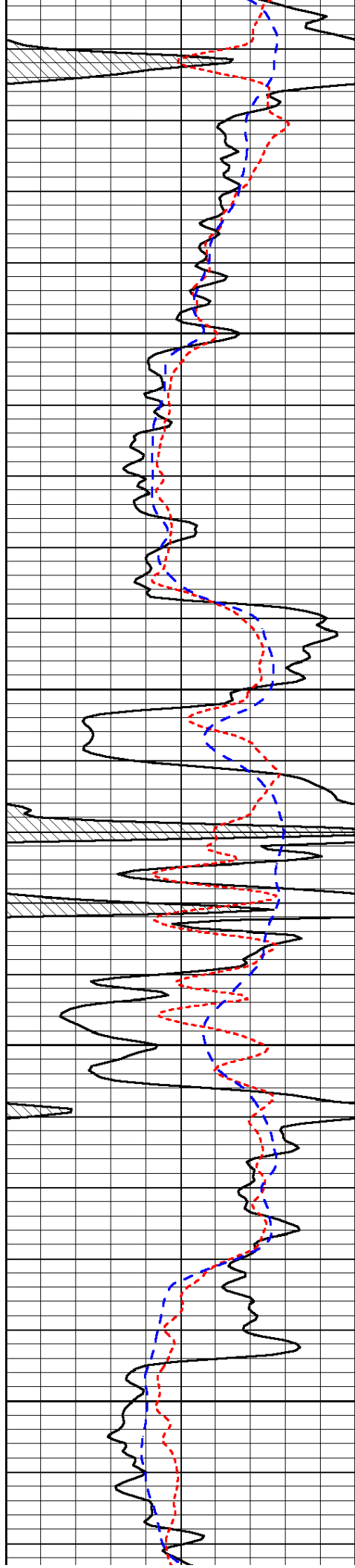
-36

-37

-36

-34

-33

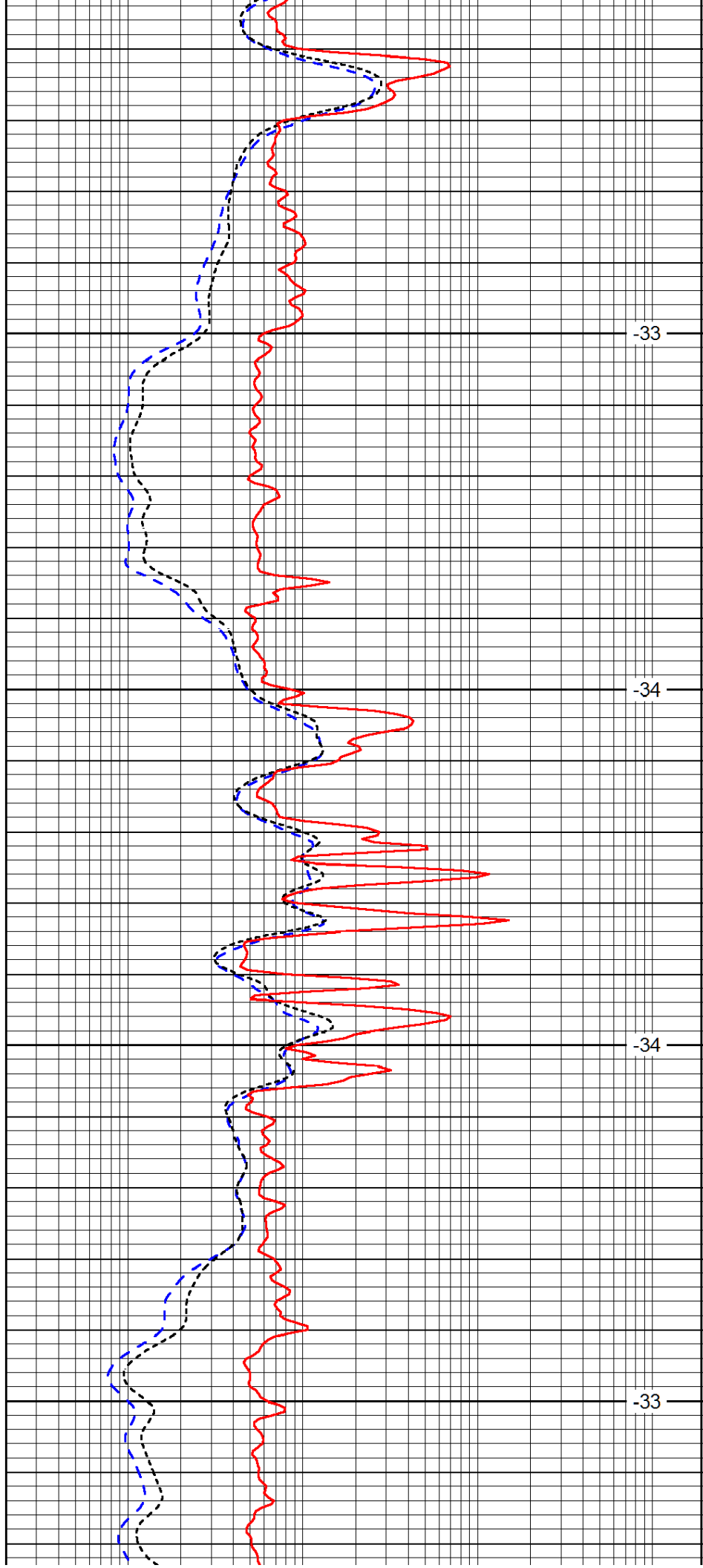


3450

3500

3550

3600

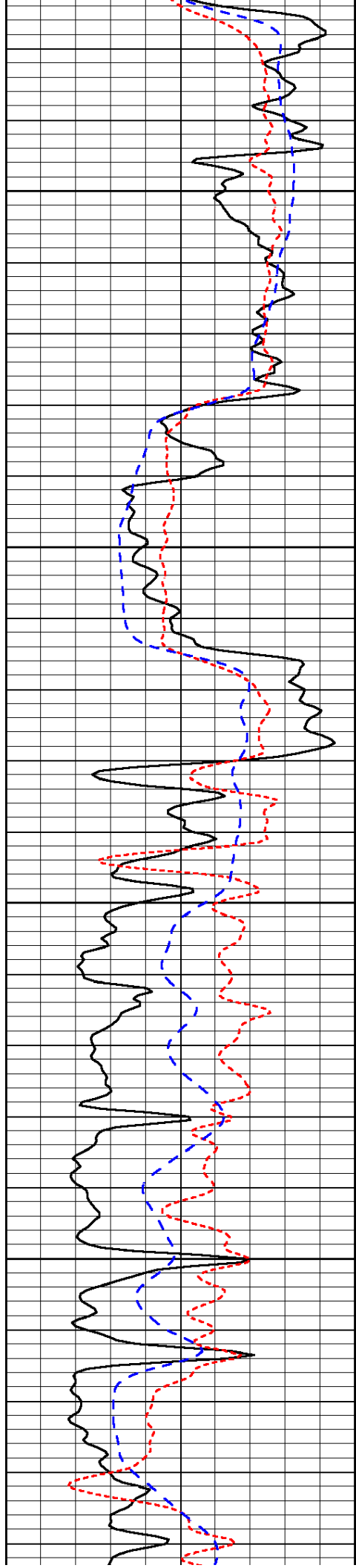


-33

-34

-34

-33

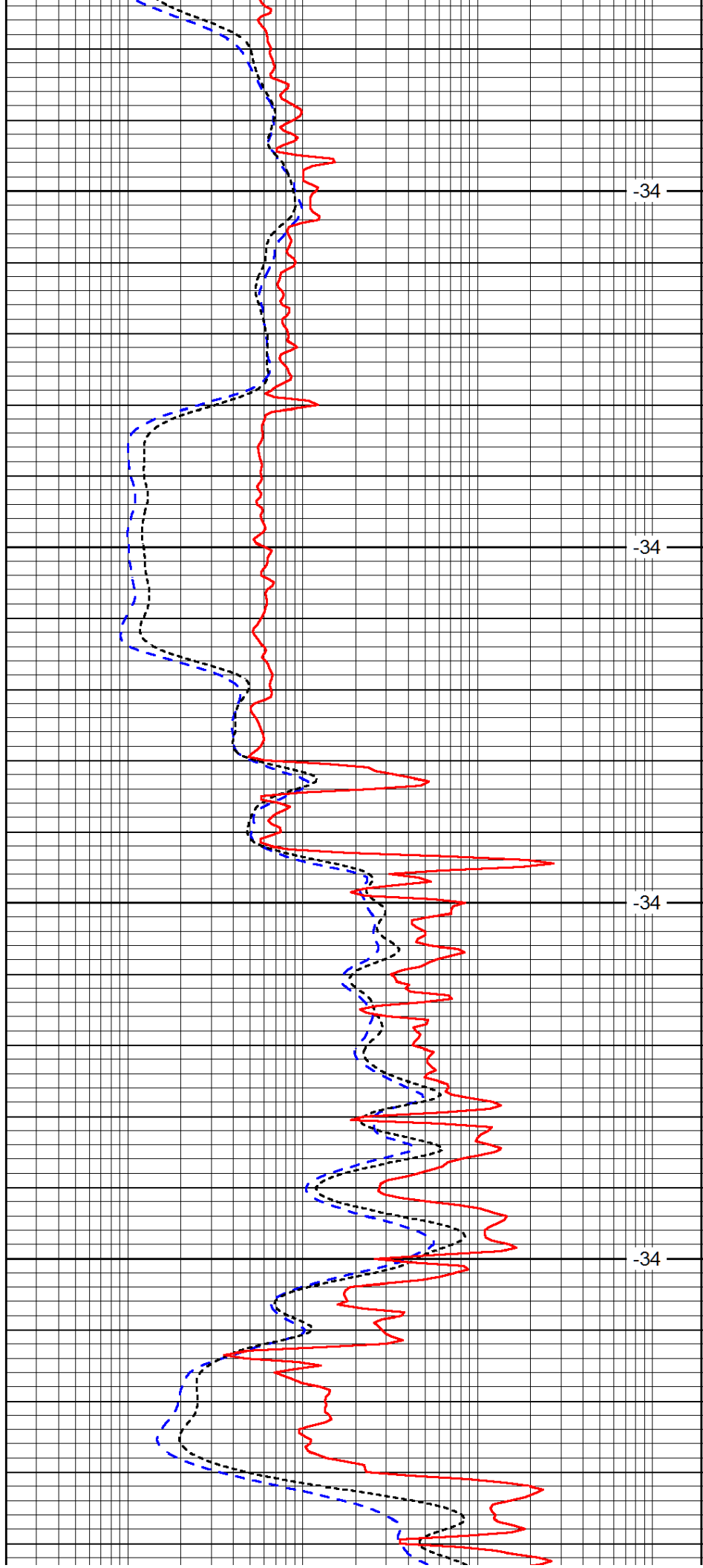


3650

3700

3750

3800

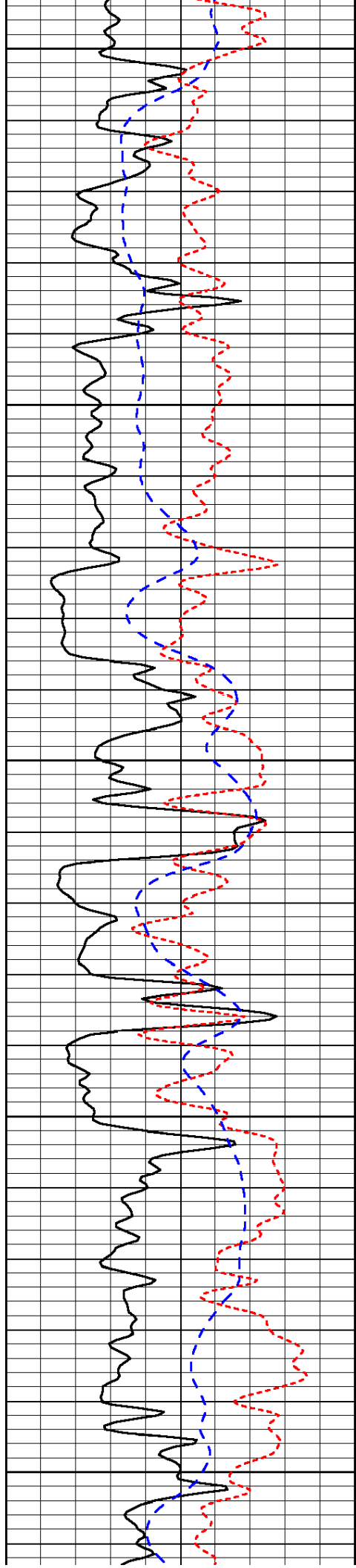


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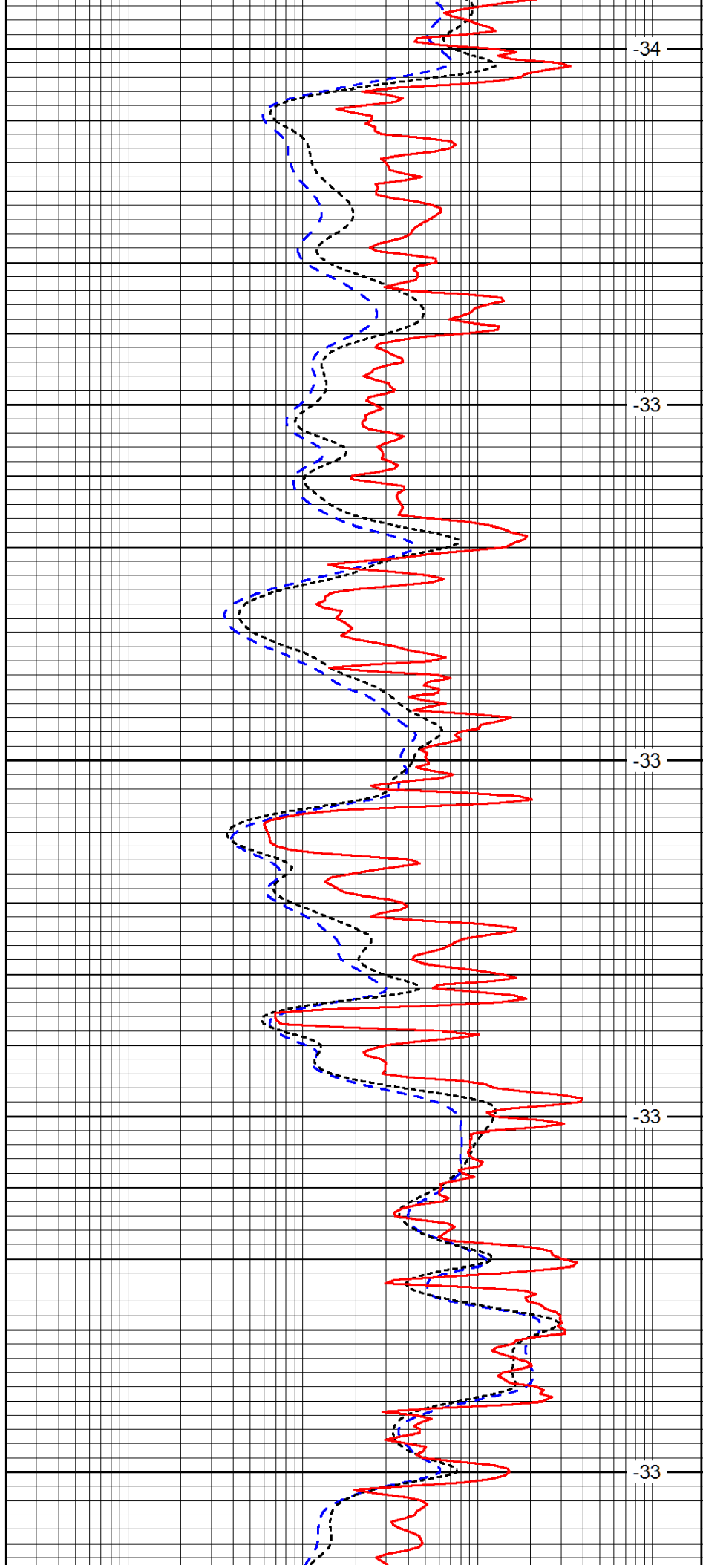
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3900

3950

4000

4050



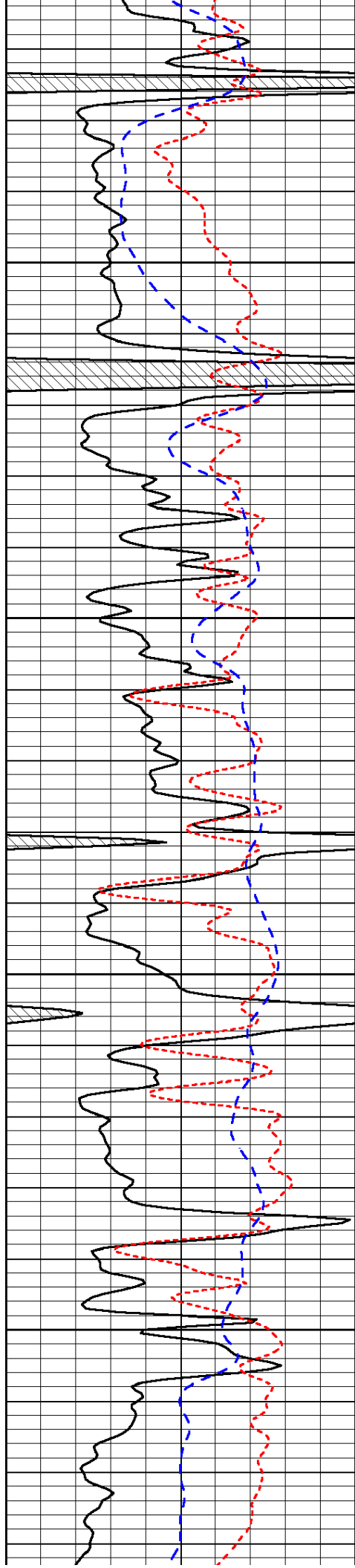
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-33

-33

-33

-33

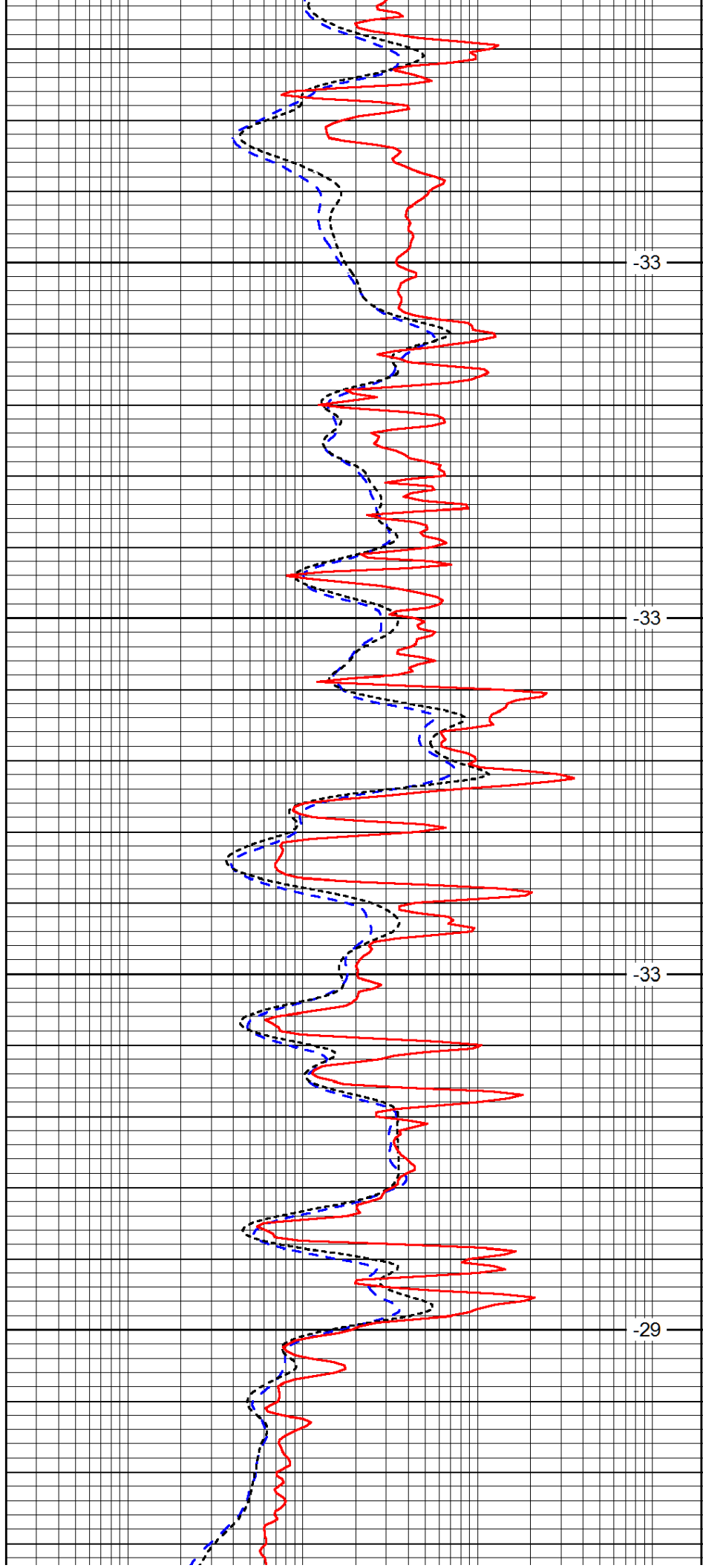


4100

4150

4200

4250

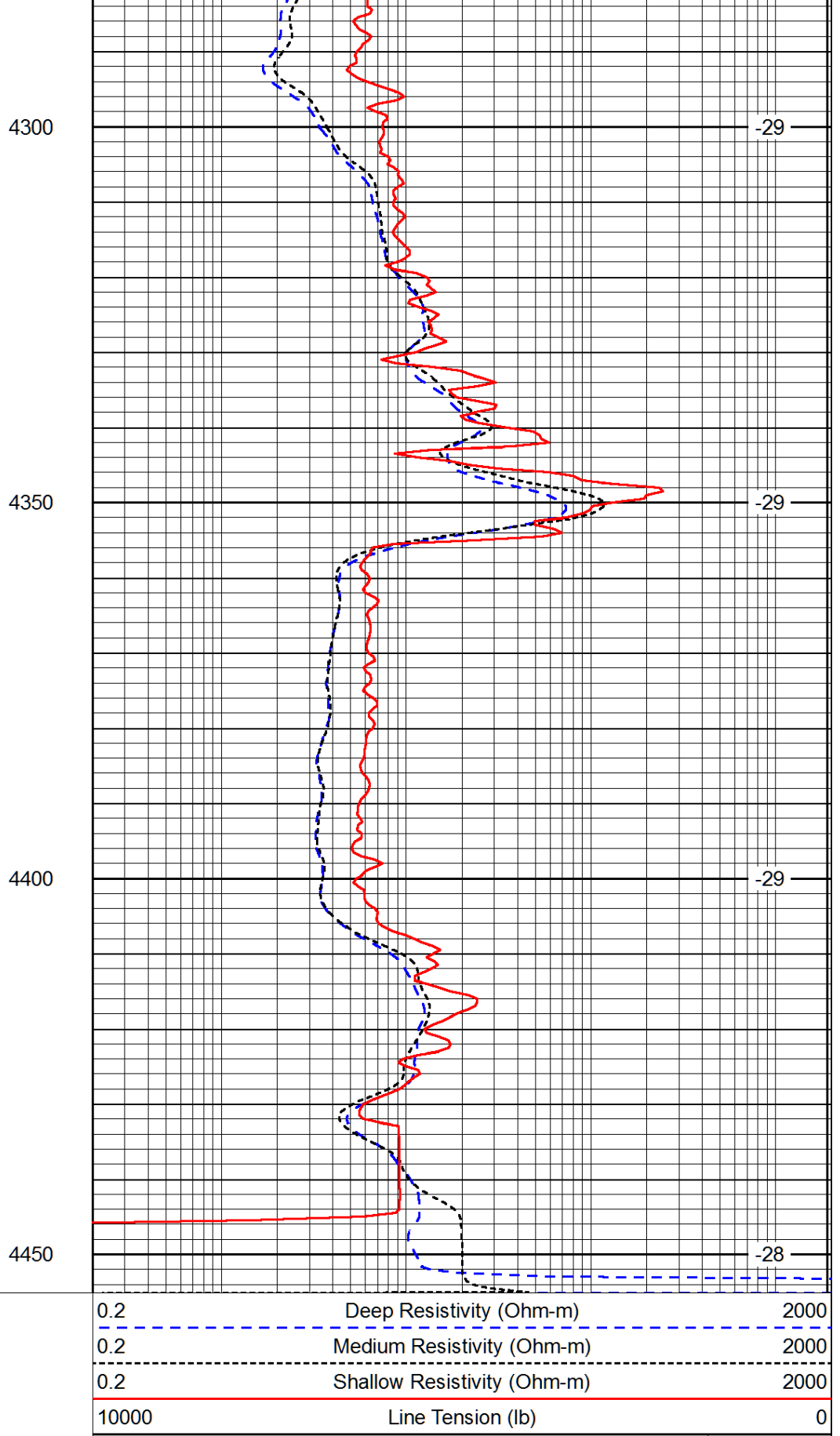
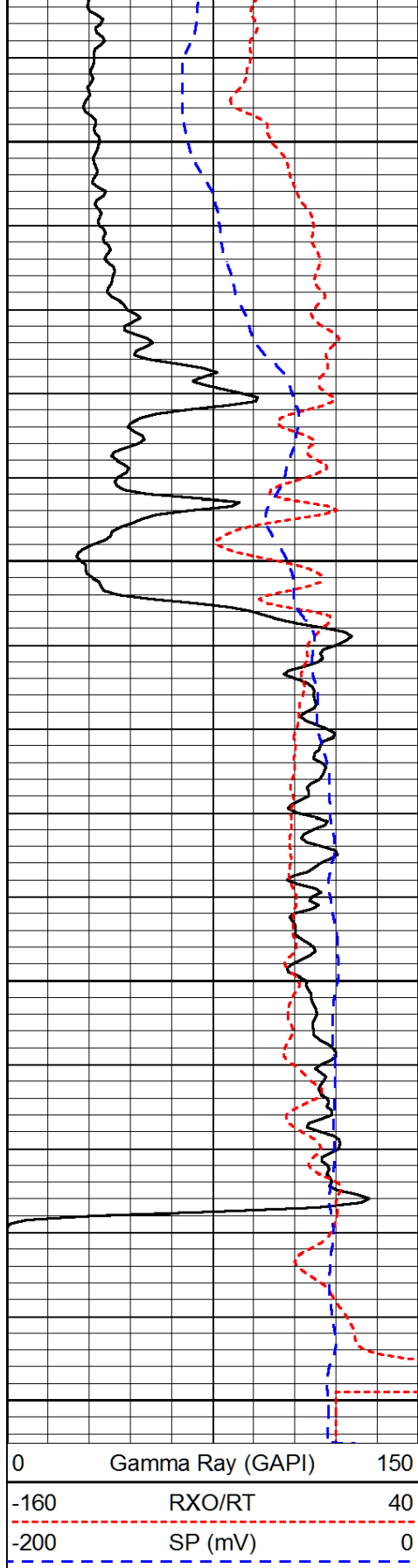


-33

-33

-33

-29



LSPD
(ft/min)