



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.

15-095-20480-00-01

Company Messenger Petroleum, Inc.

Well Donald #3 'OWWO'

Field Spivey-Grabs

County Kingman State Kansas

Location

SE SE NW
2310' FNL & 2310' FWL

Other Services
CNL/CDL

Sec: 20

Twp: 29S

Rge: 6W

Elevation

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

Elevation 1541

K.B. 1550
D.F. 1541
G.L. 1541

Date 4/8/2012

Run Number One

Depth Driller 5000

Depth Logger 5002

Bottom Logged Interval 5001

Top Log Interval 200

Casing Driller 8.625 @ 210

Casing Logger 209

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 9000

Density / Viscosity 9.2 51

pH / Fluid Loss 9.0 16

Source of Sample Flowline

Rm @ Meas. Temp 0.29 @ 62

Rmf @ Meas. Temp 0.22 @ 62

Rmc @ Meas. Temp 0.39 @ 62

Source of Rmf / Rmc Charts

Rm @ BHT 0.14 @ 126

Operating Rig Time 3 Hours

Max Rec. Temp. F 126

Equipment Number 10

Location Hays

Recorded By D. Schmidt

Witnessed By Jon Messenger

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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

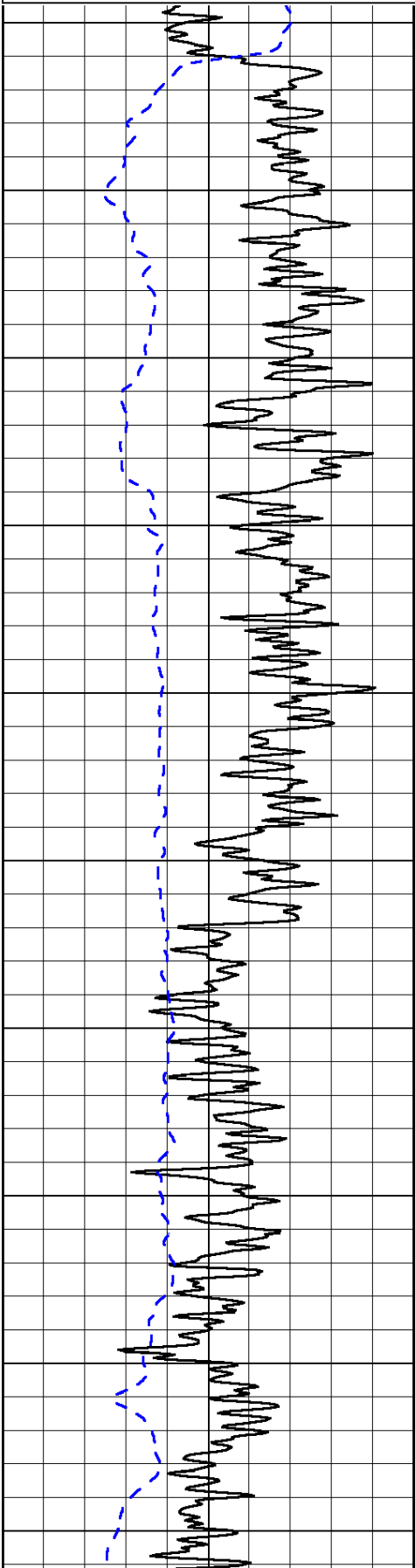
Thank you for using Log-Tech, Inc.
(785) 625-3858

Belmont,
1/2 S, 1 W, 1/2 S,
E into

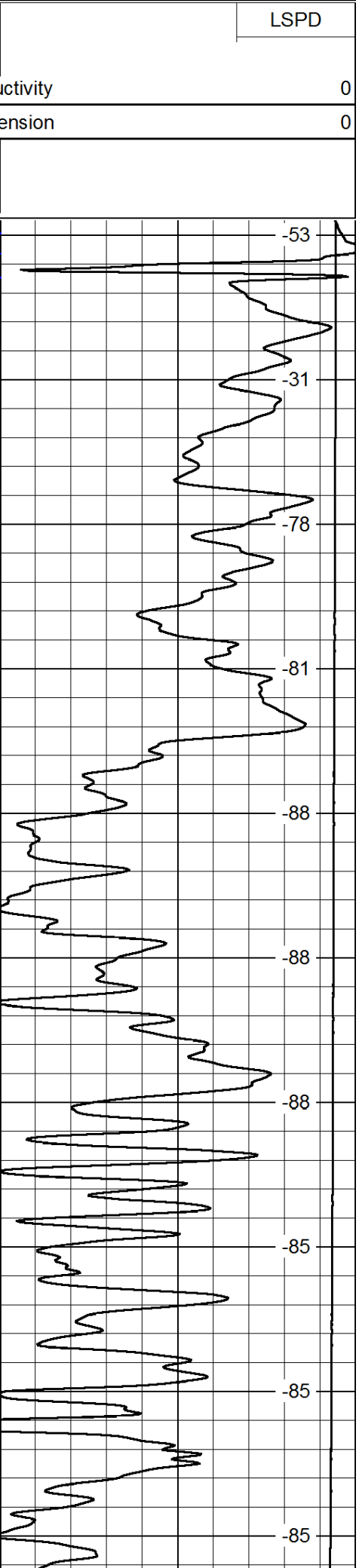
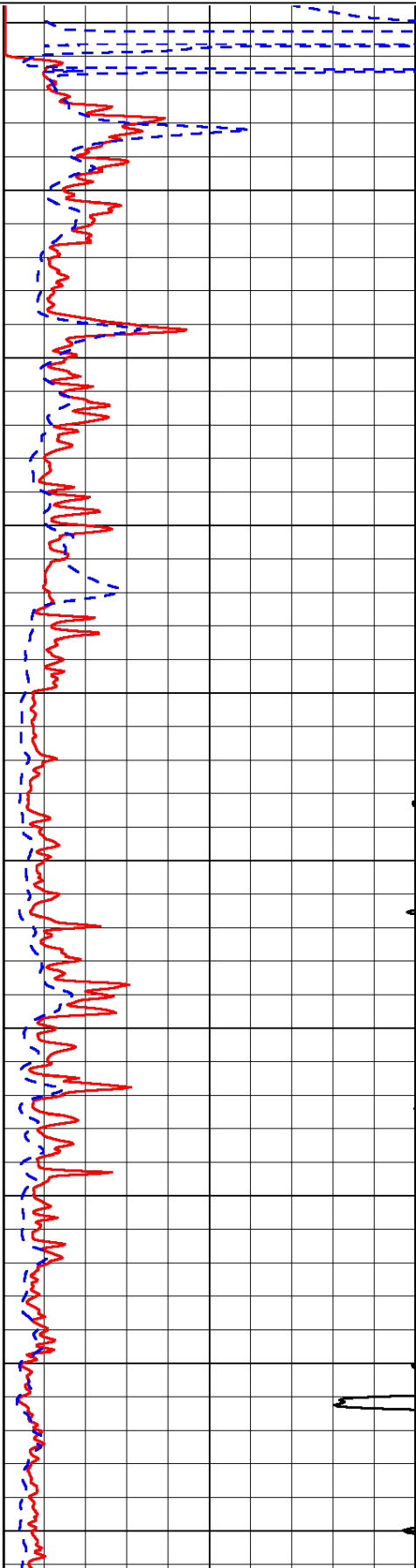
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Presentation Format: dil2in
Dataset Creation: Sun Apr 08 09:18:12 2012
Charted by: Depth in Feet scaled 1:600

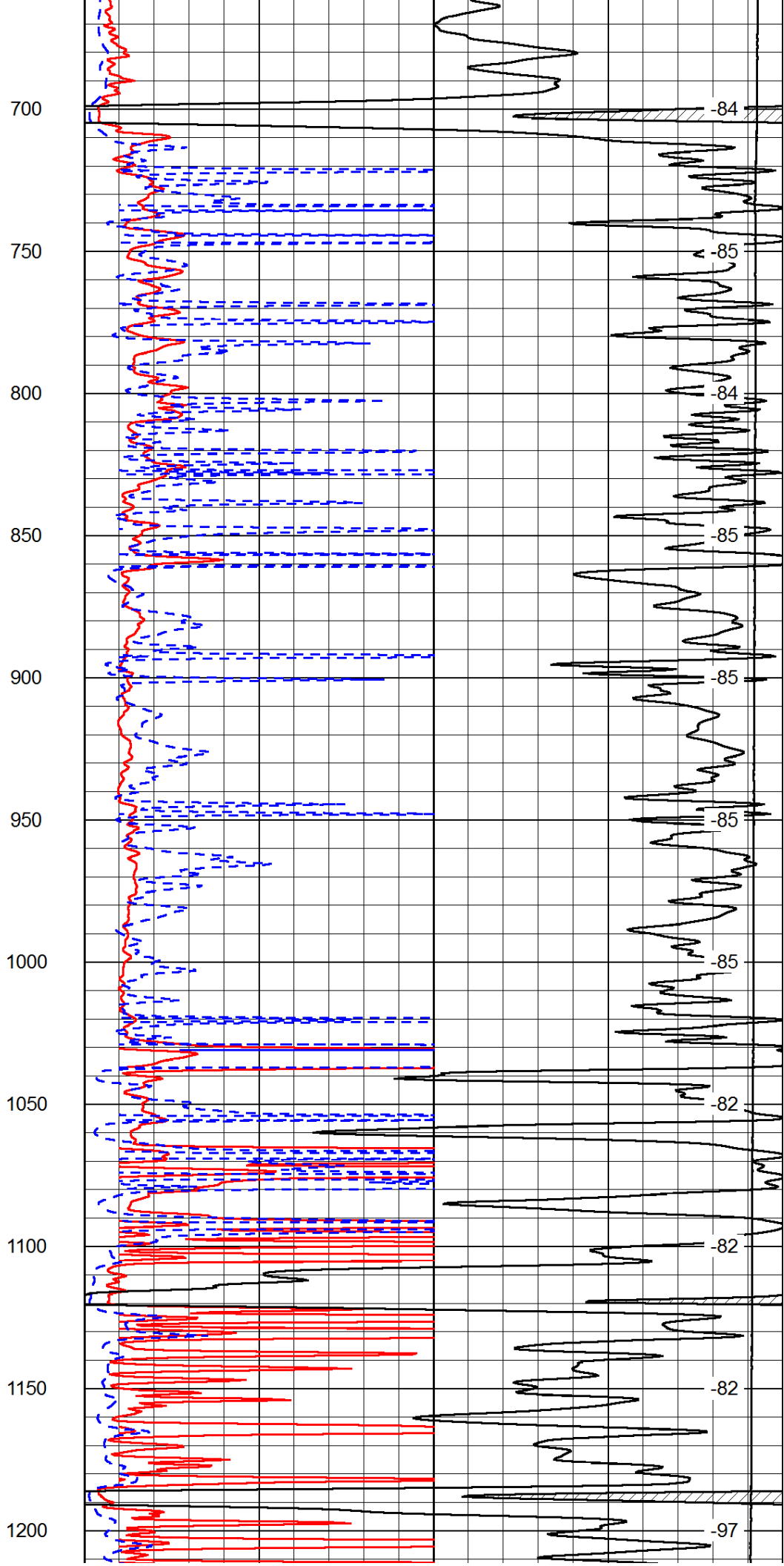
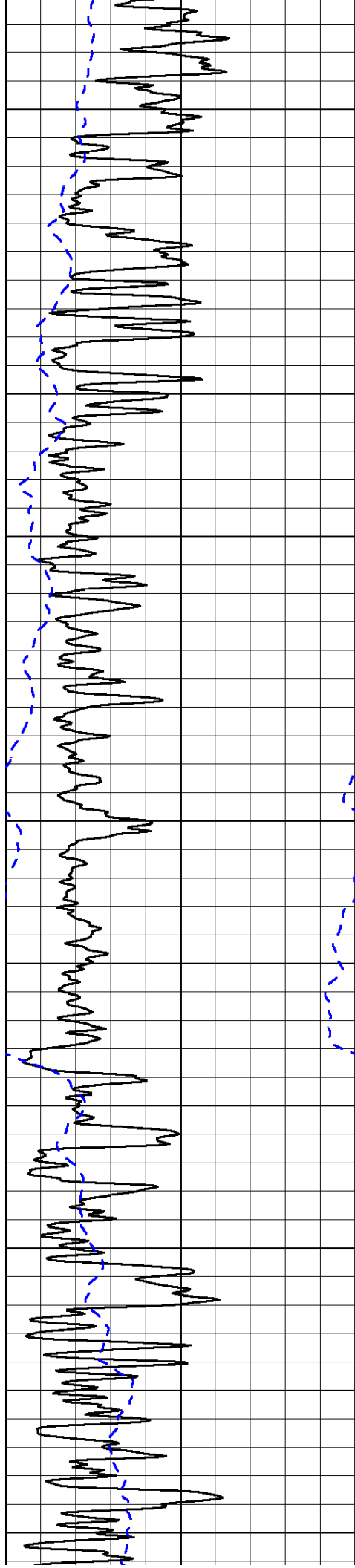
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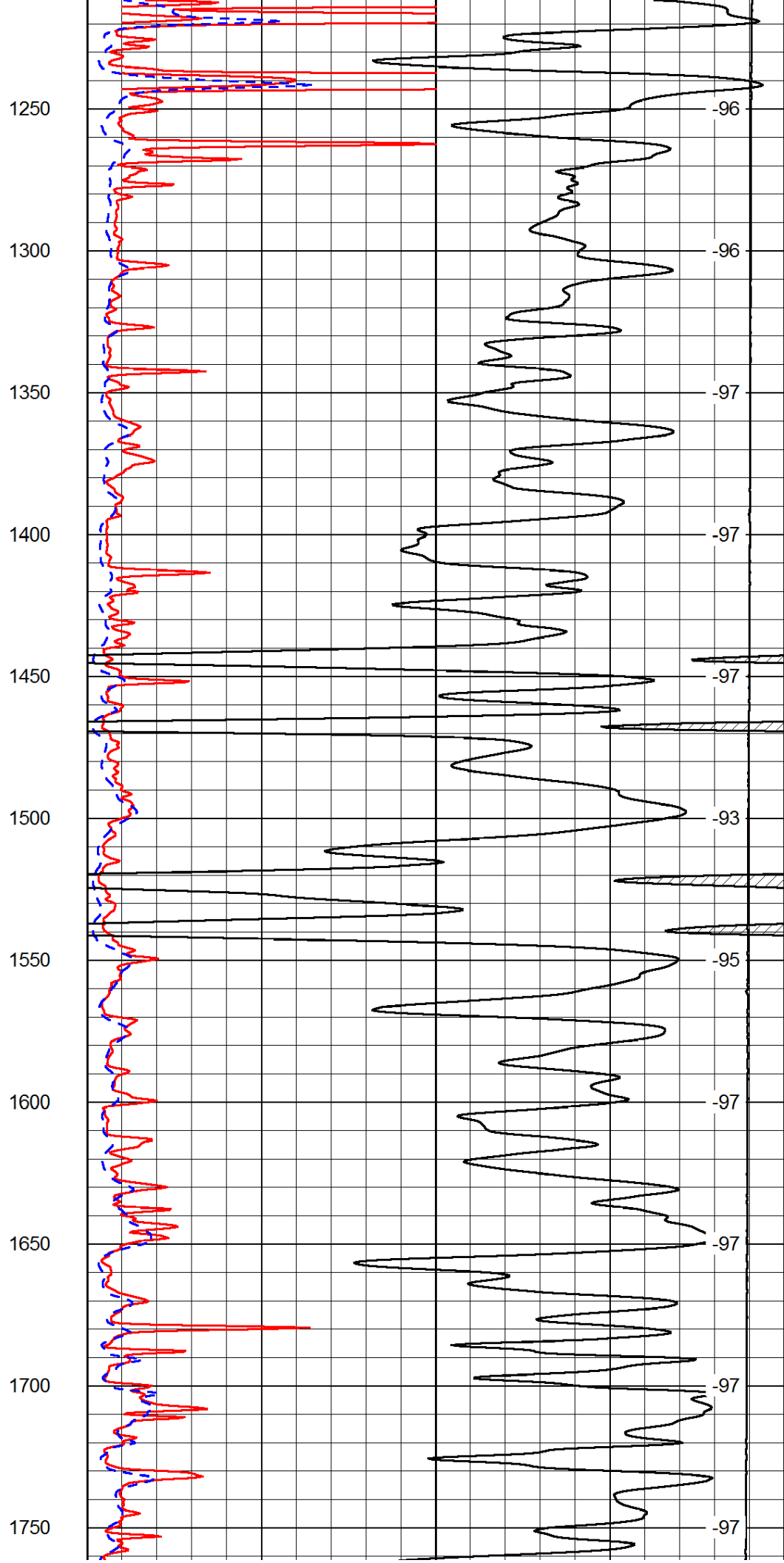
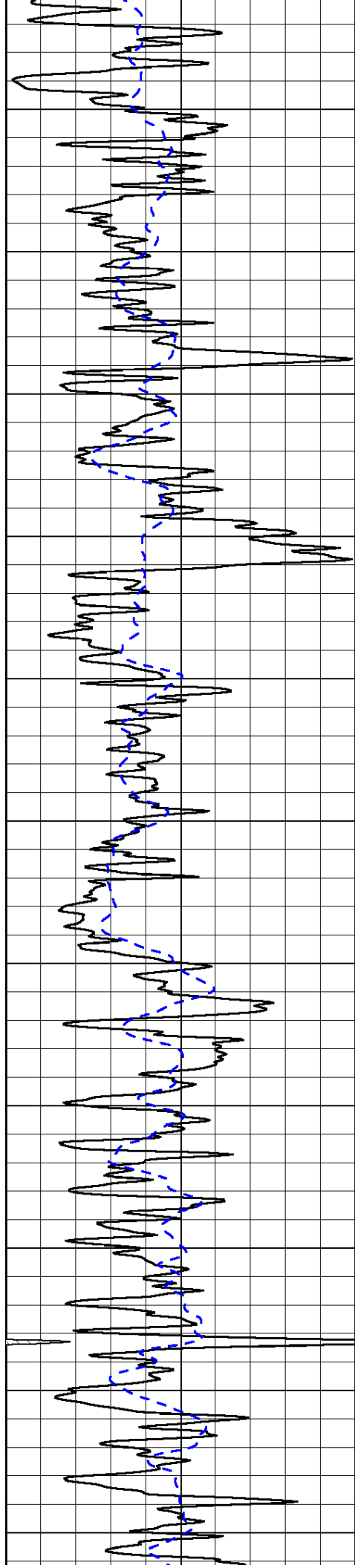
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-200	SP (mV)	0

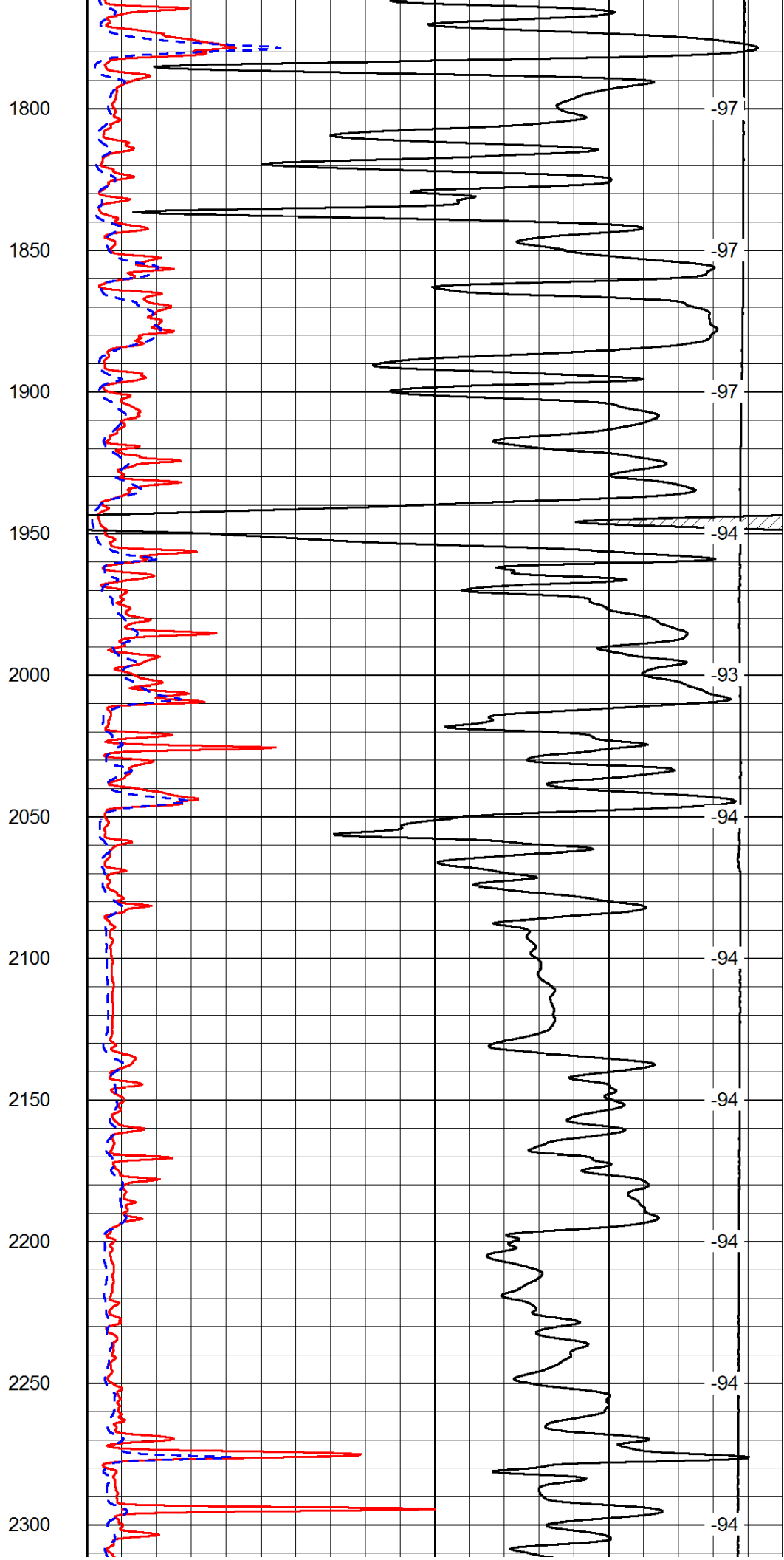
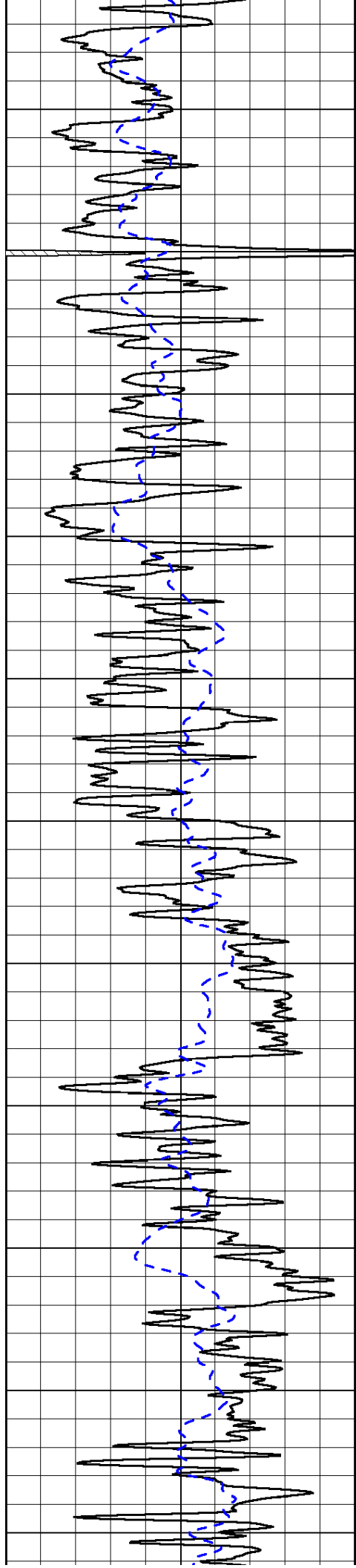


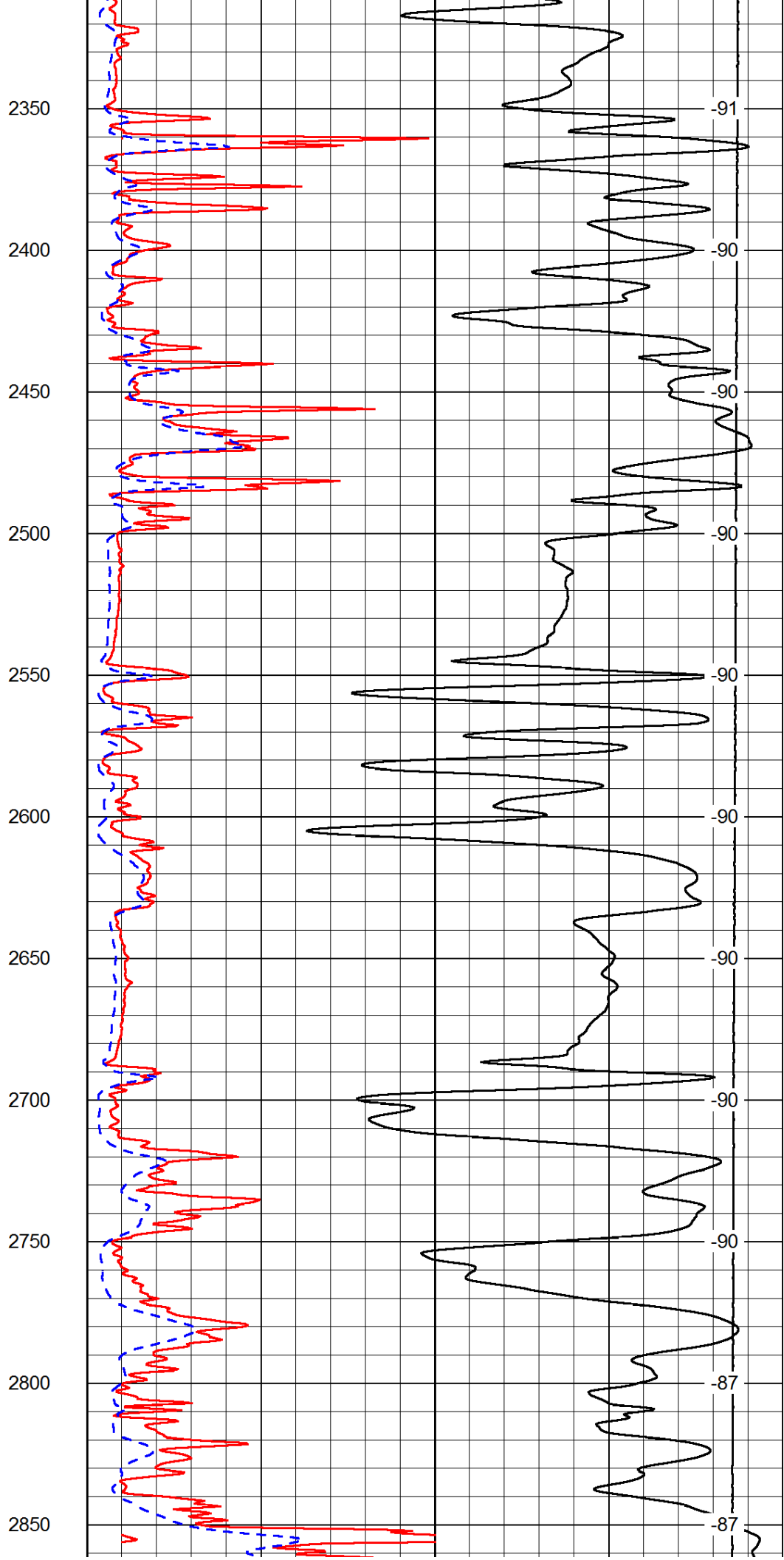
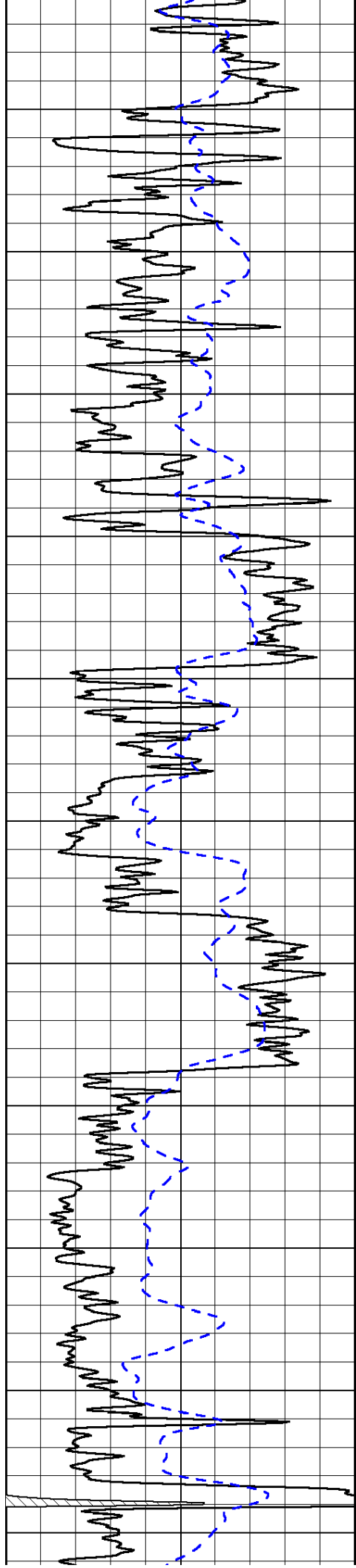
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

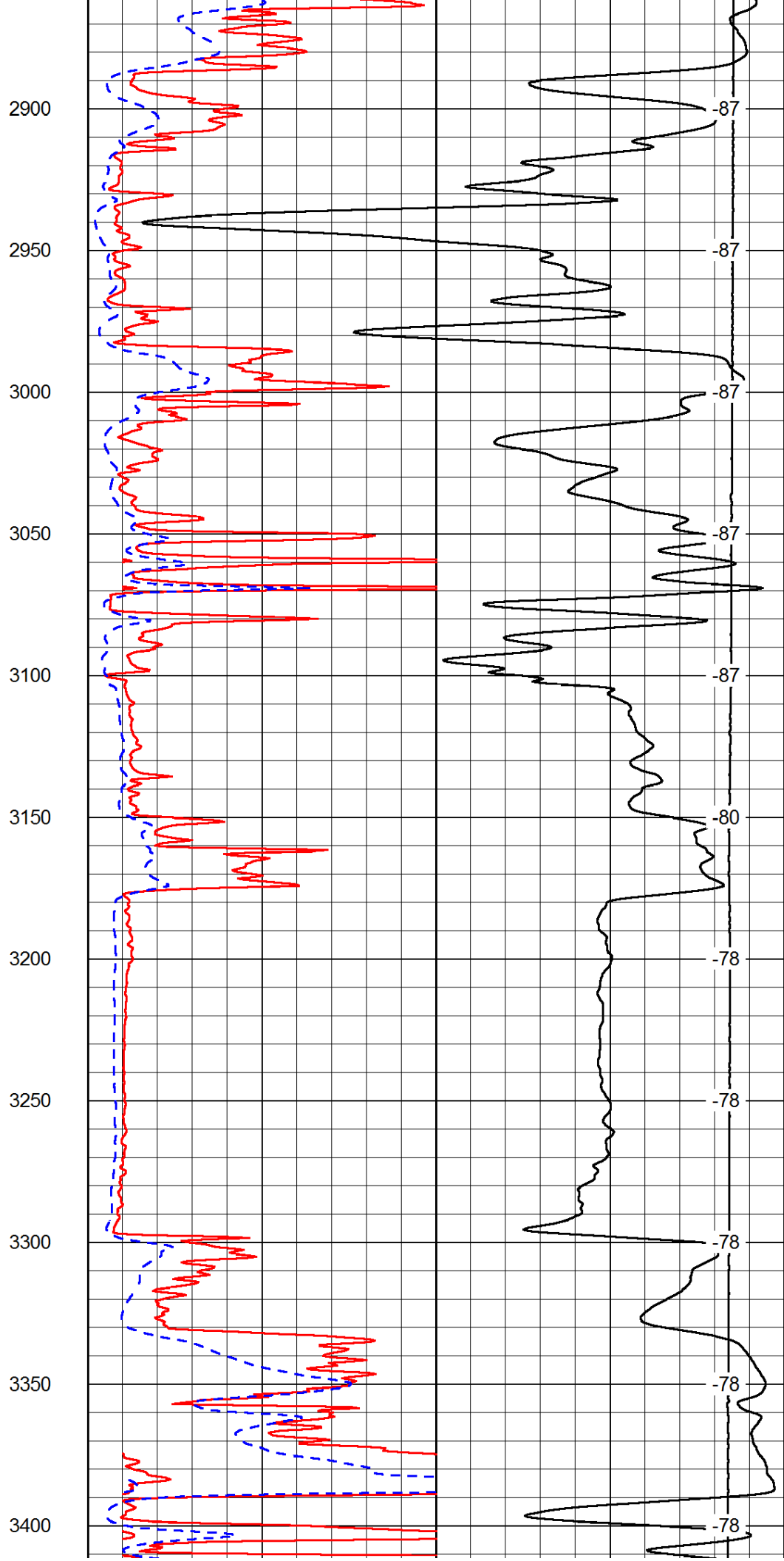
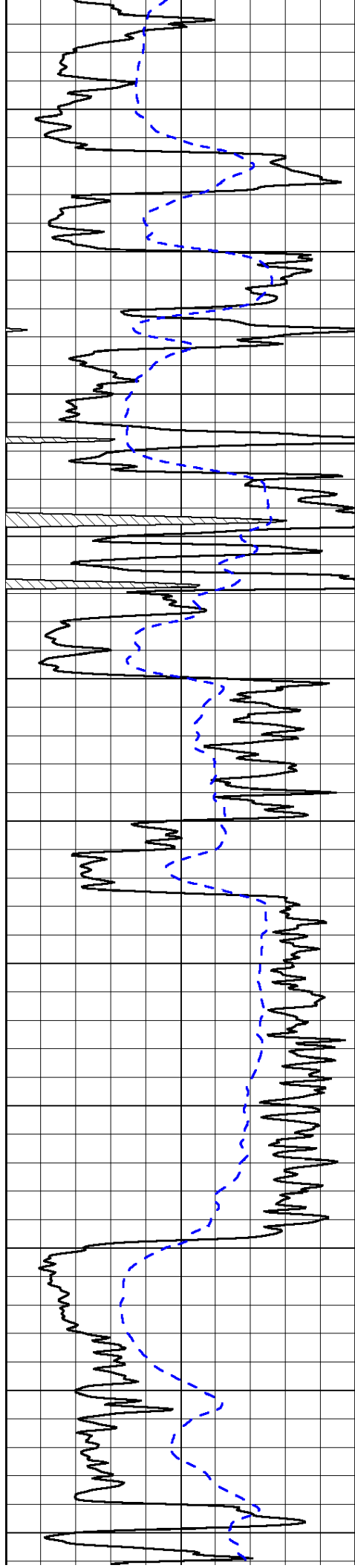


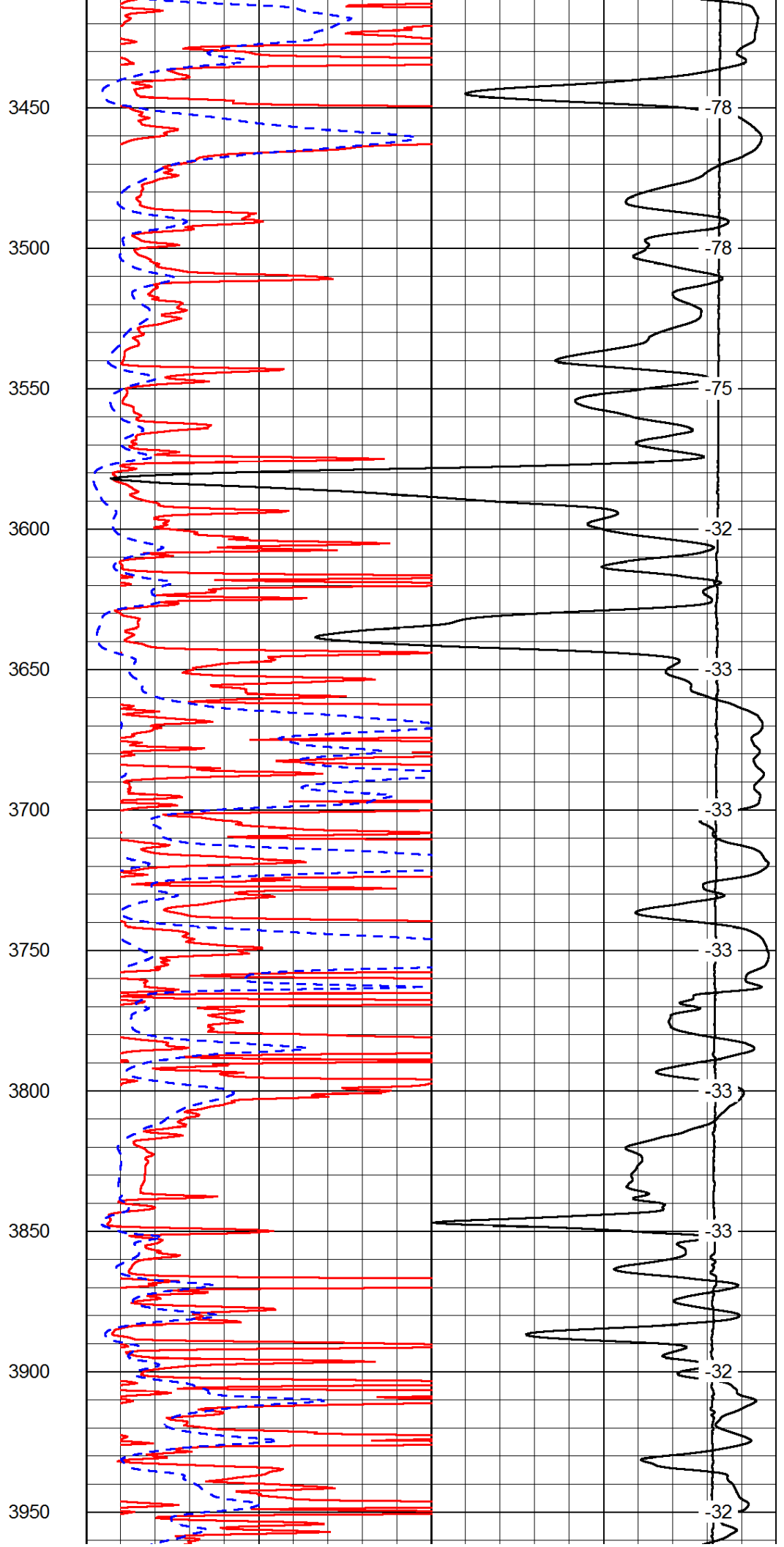
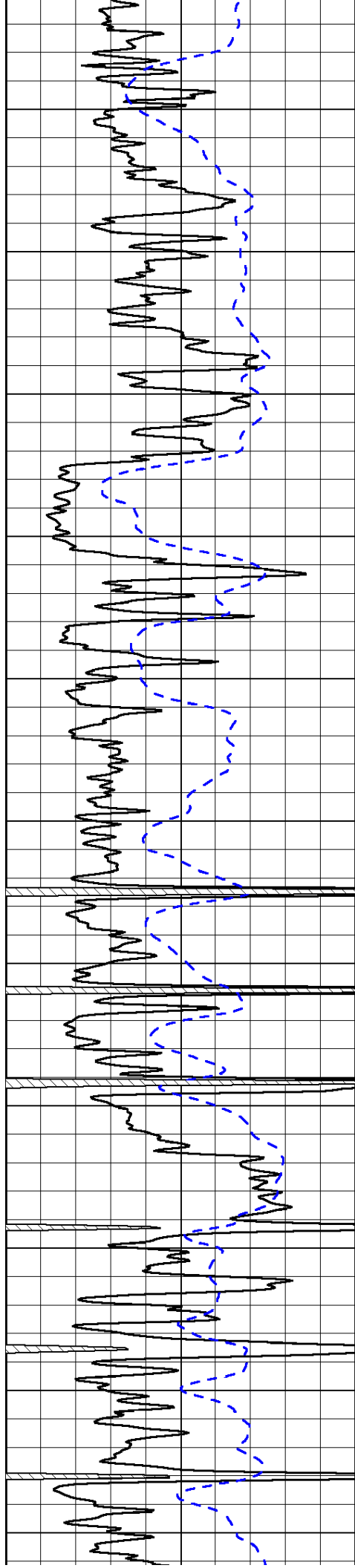


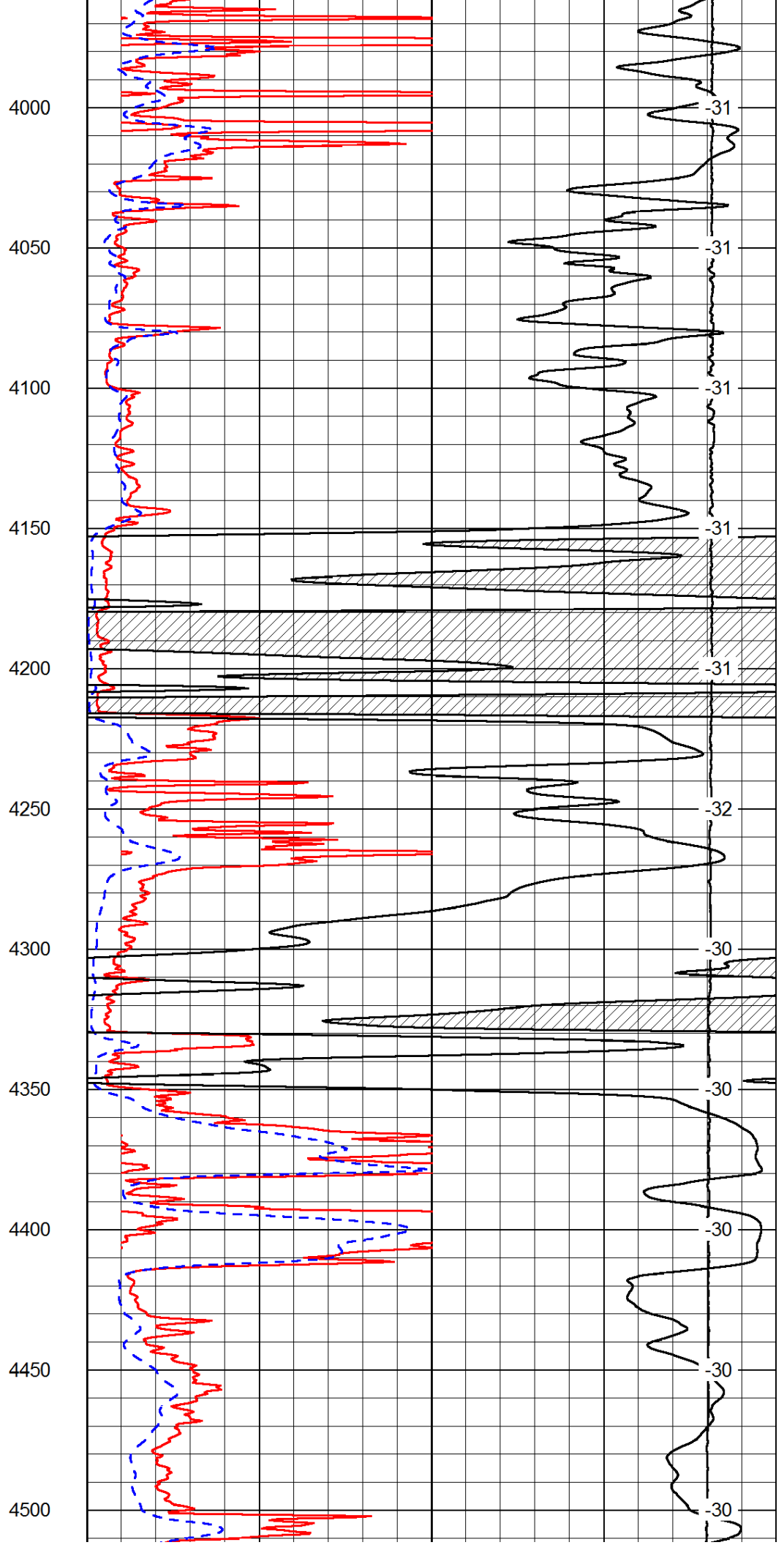
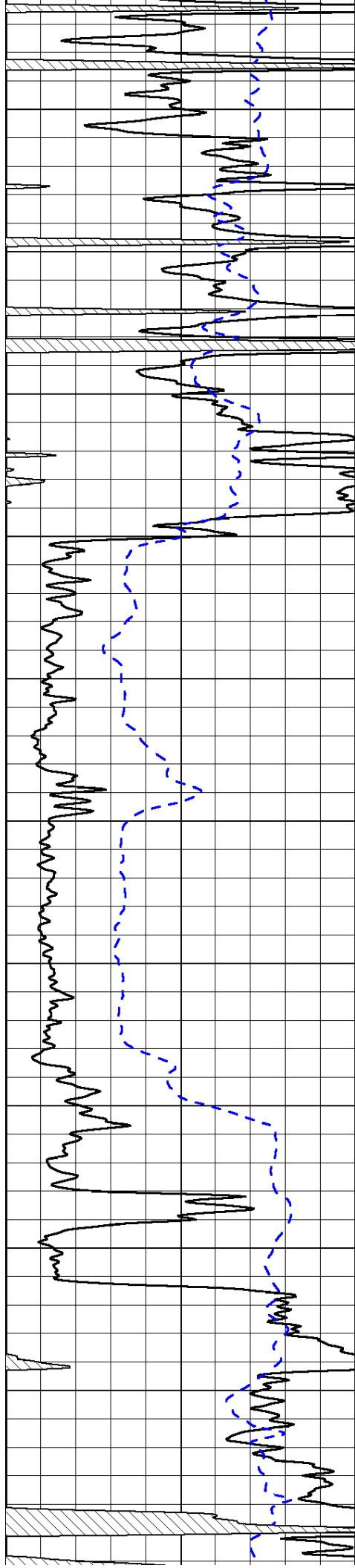


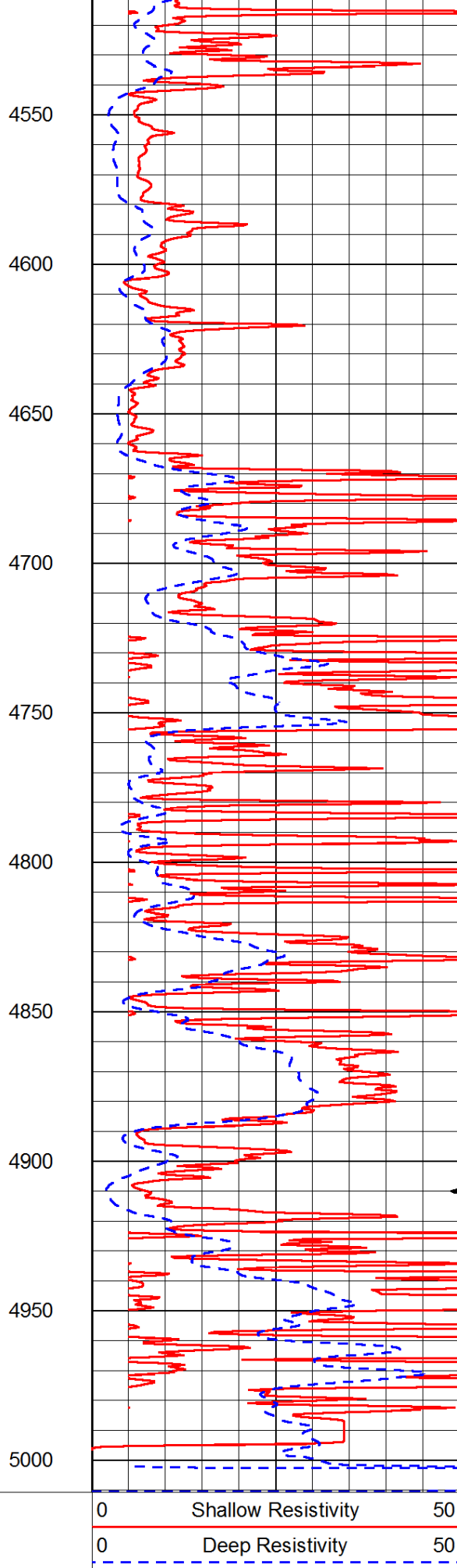
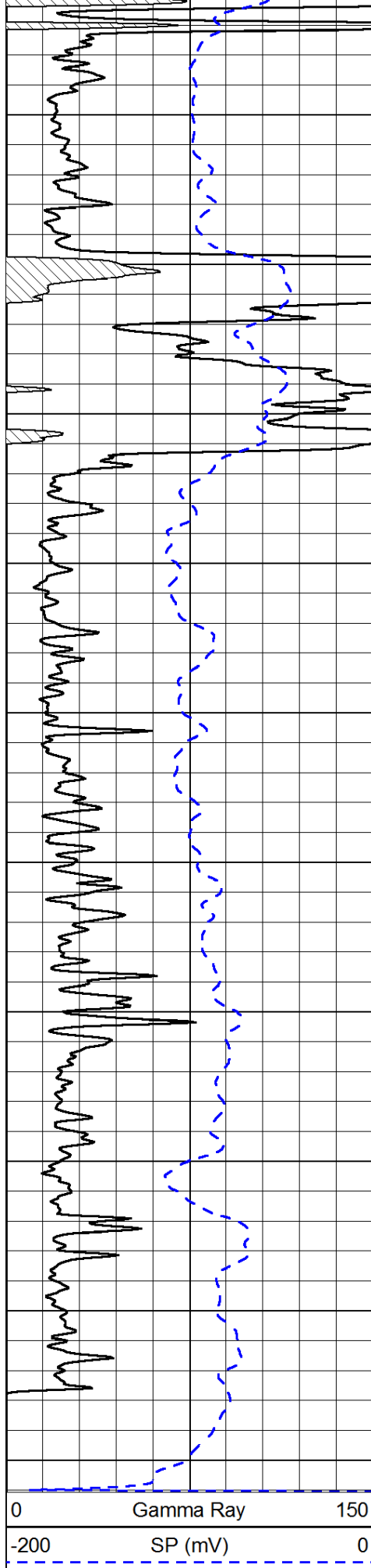












0 Gamma Ray 150
-200 SP (mV) 0

0 Shallow Resistivity 50
0 Deep Resistivity 50

1000 Conductivity 0
15000 Line Tension 0

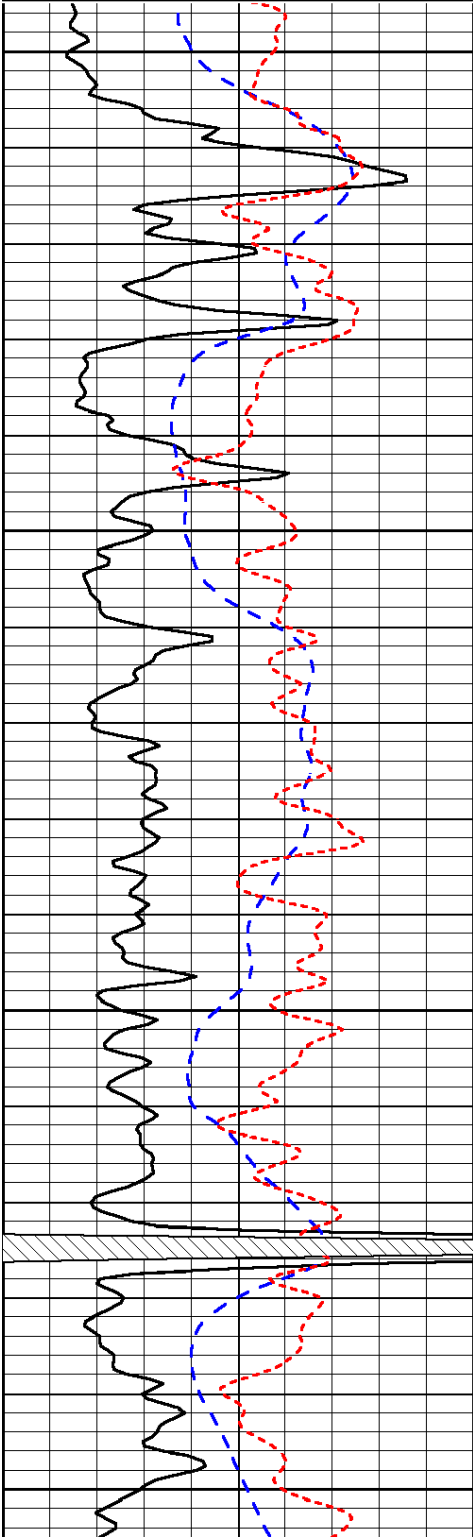
50	Shallow Resistivity	500
50	Deep Resistivity	500

Database File: c:\warrior\data\messenger_donald #3 owwo\messenger_donald_3_owwohd.db
 Dataset Pathname: dil/messtack
 Presentation Format: dil
 Dataset Creation: Sun Apr 08 09:18:12 2012
 Charted by: Depth in Feet scaled 1:240

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

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD

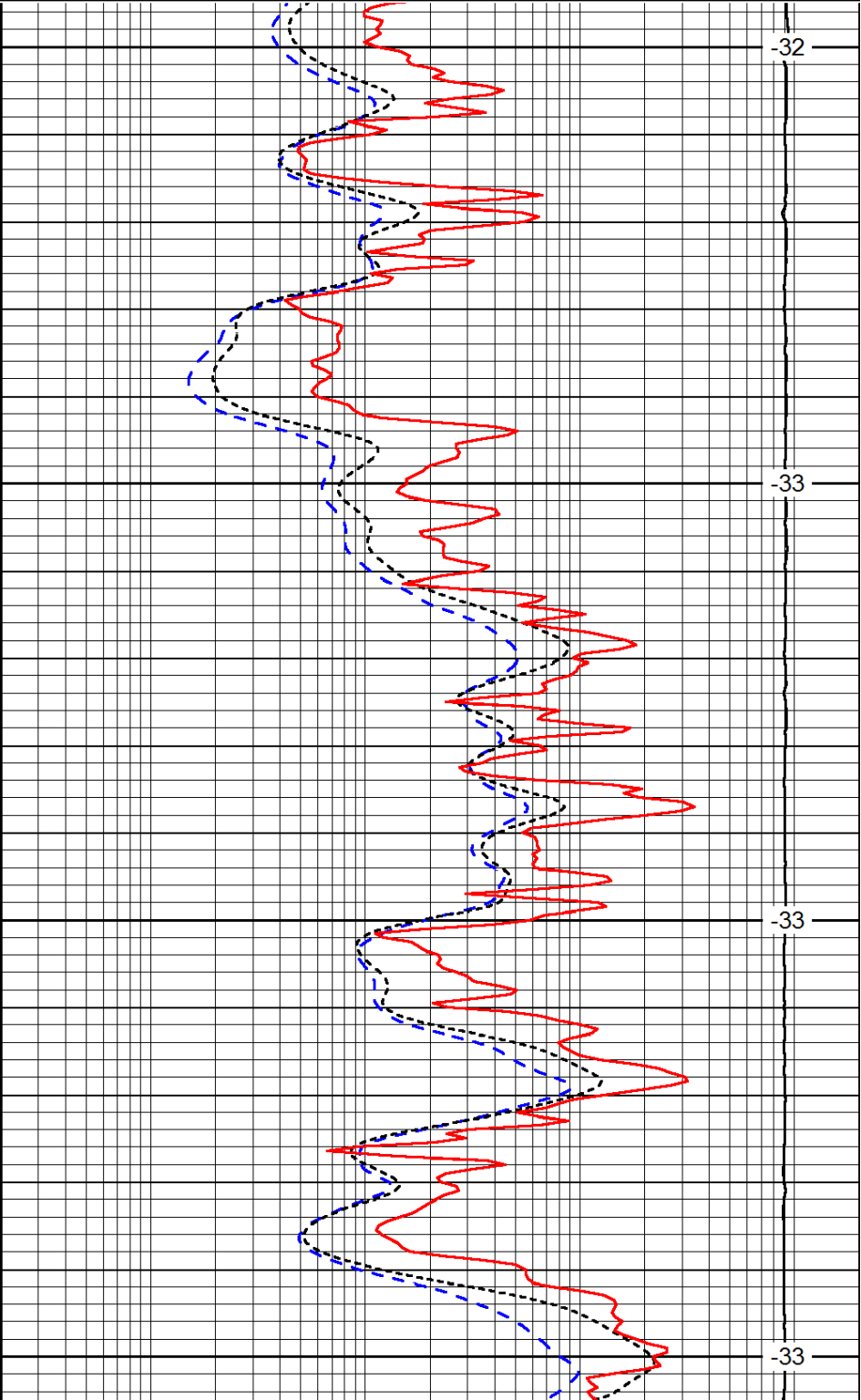


3600

3650

3700

3750

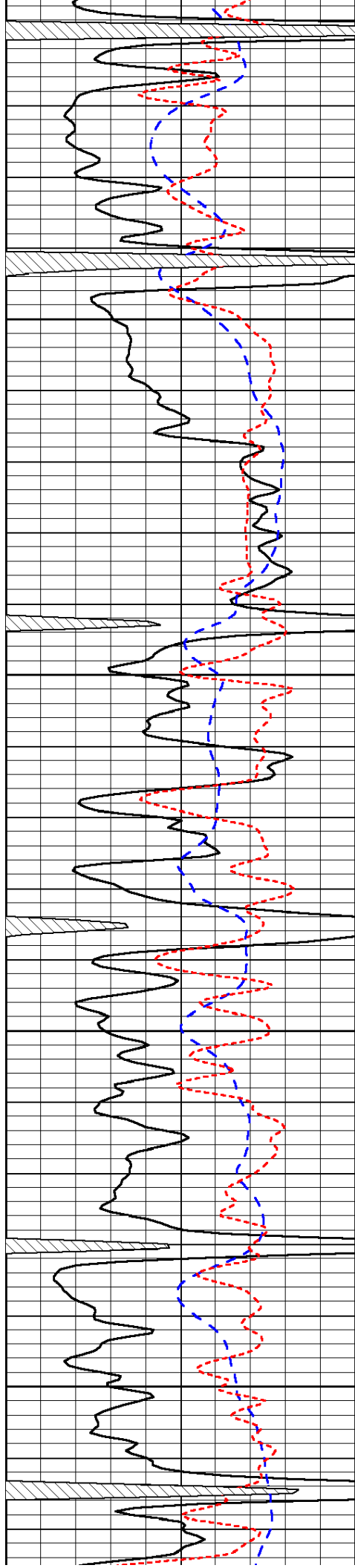


-32

-33

-33

-33

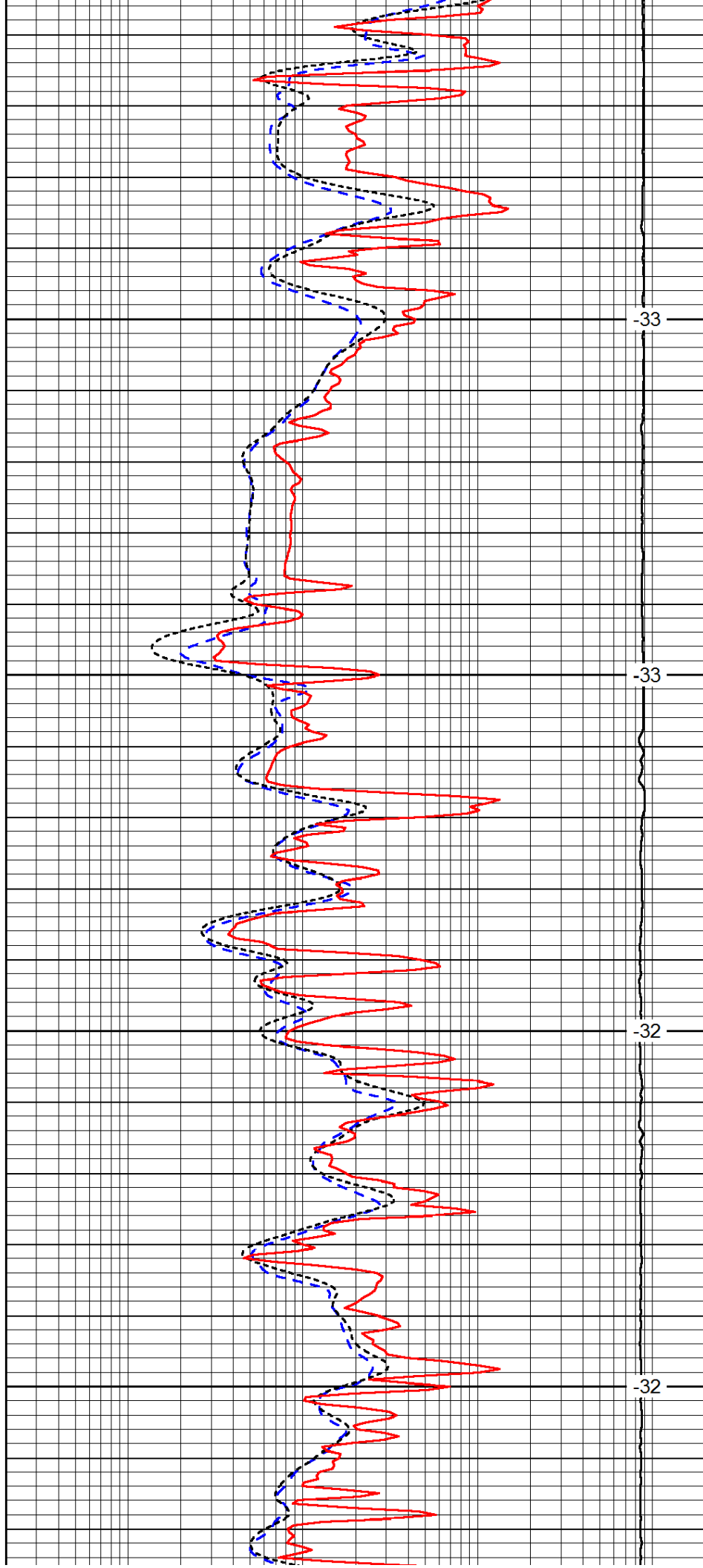


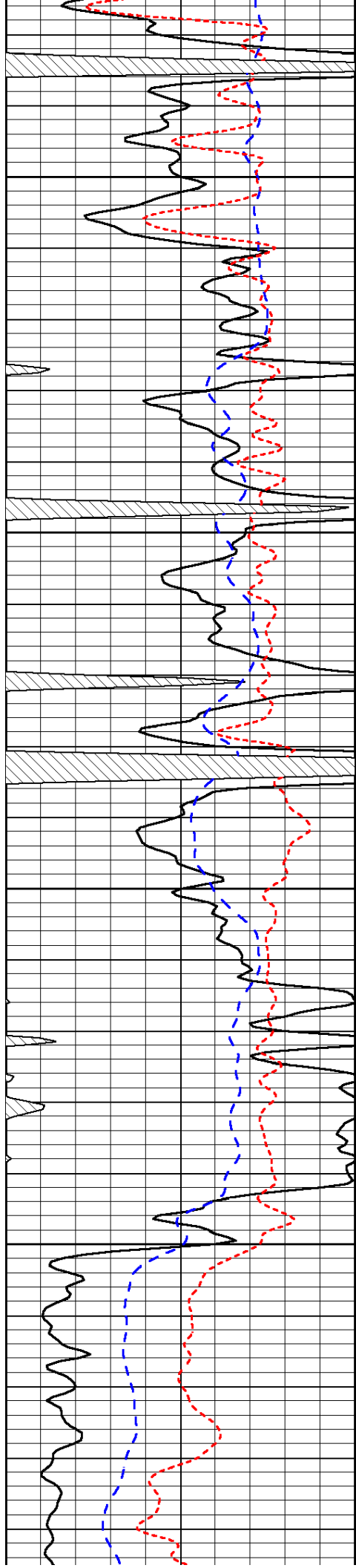
3800

3850

3900

3950



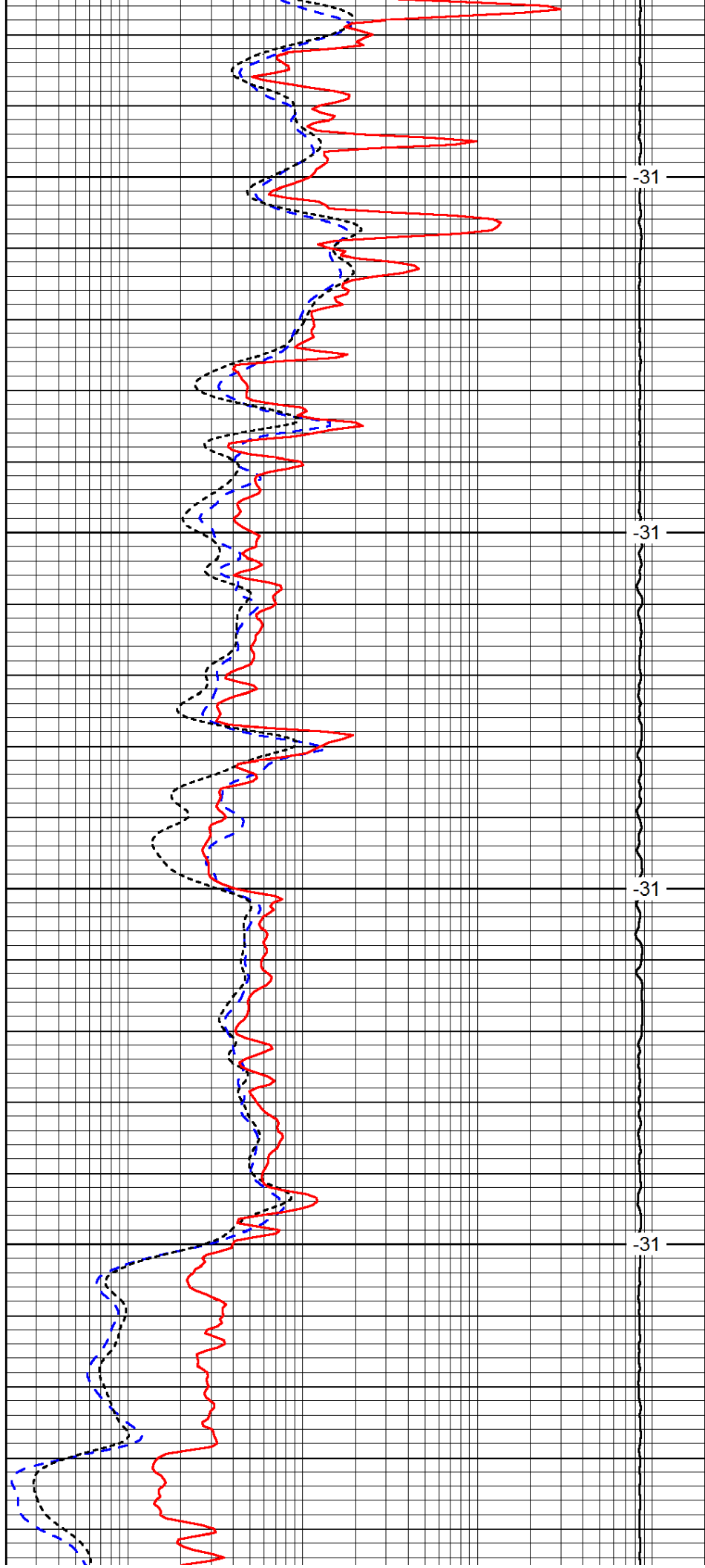


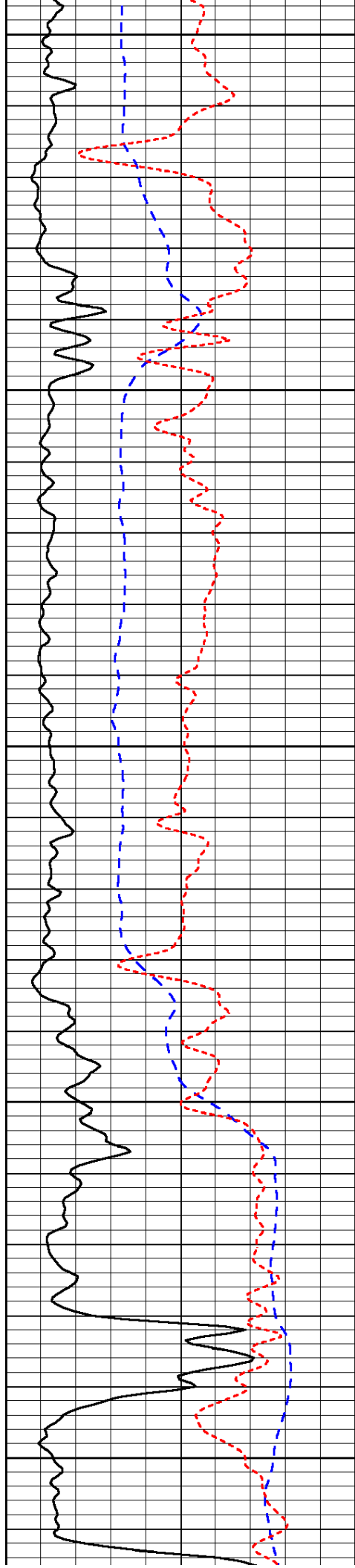
4000

4050

4100

4150





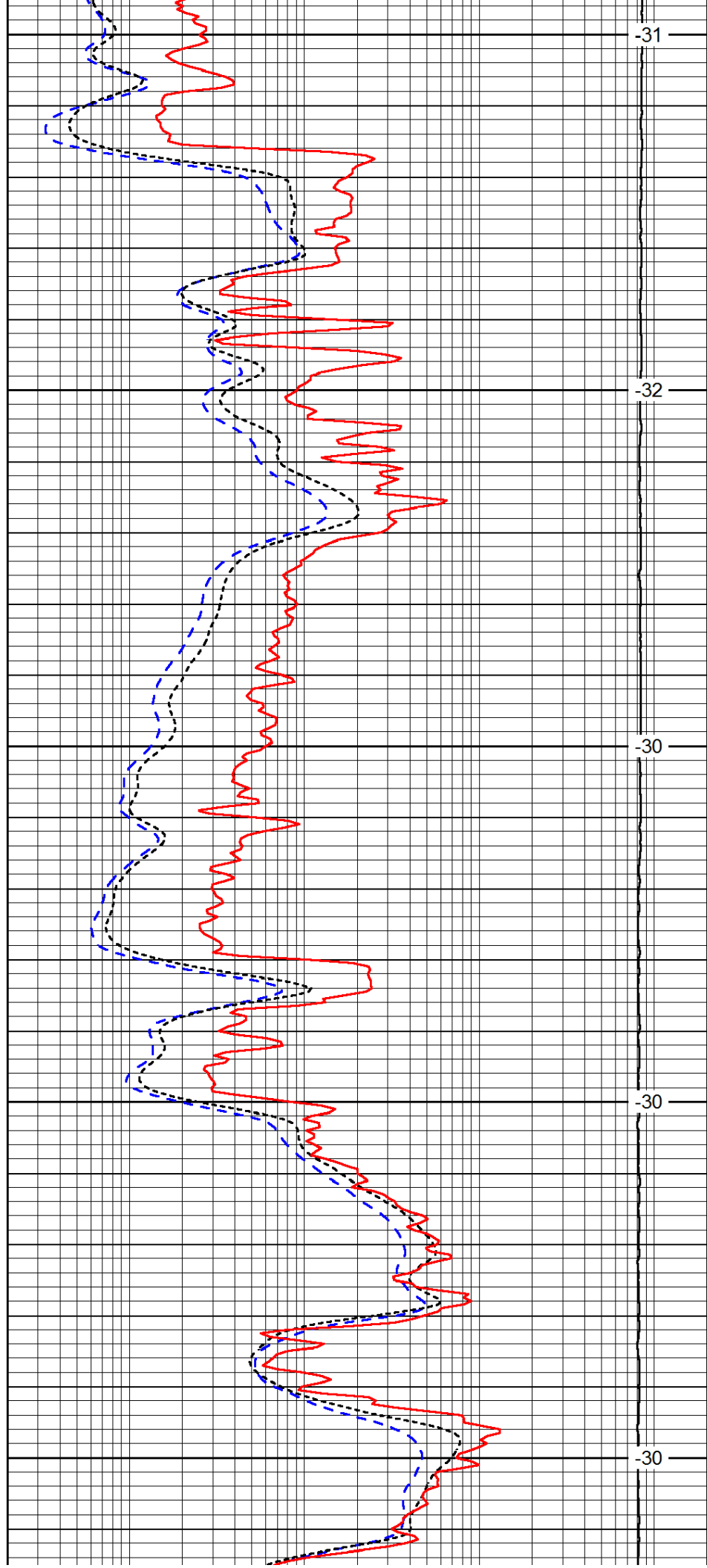
4200

4250

4300

4350

4400



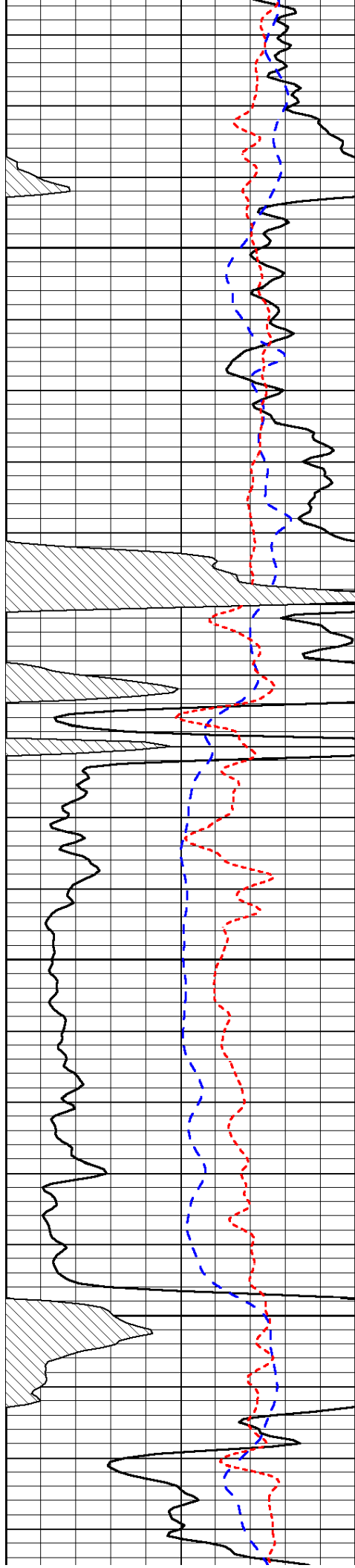
-31

-32

-30

-30

-30

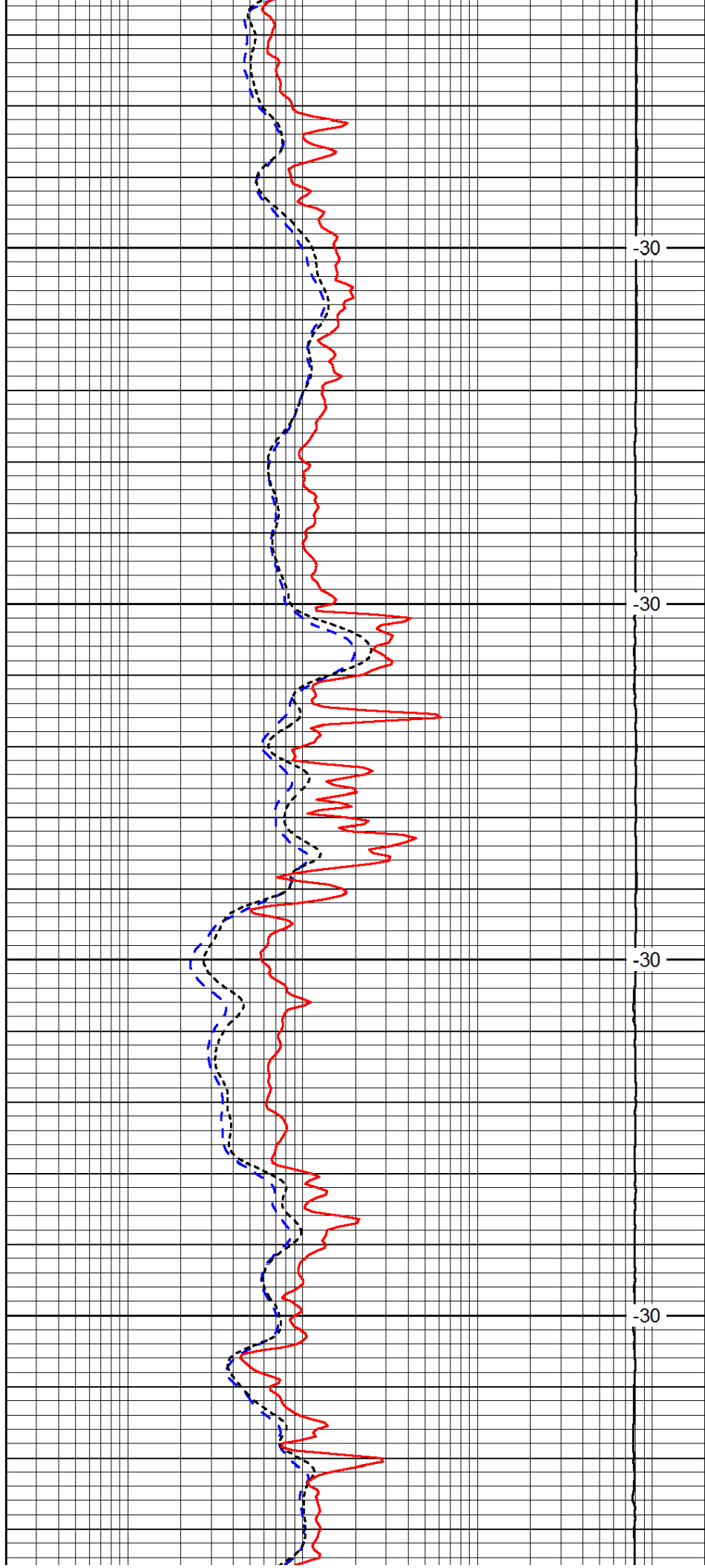


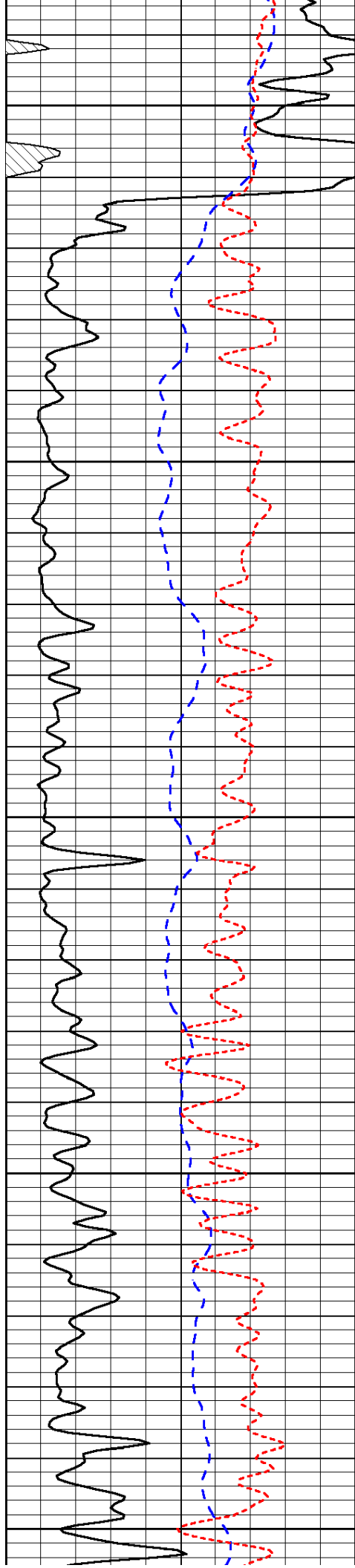
4450

4500

4550

4600





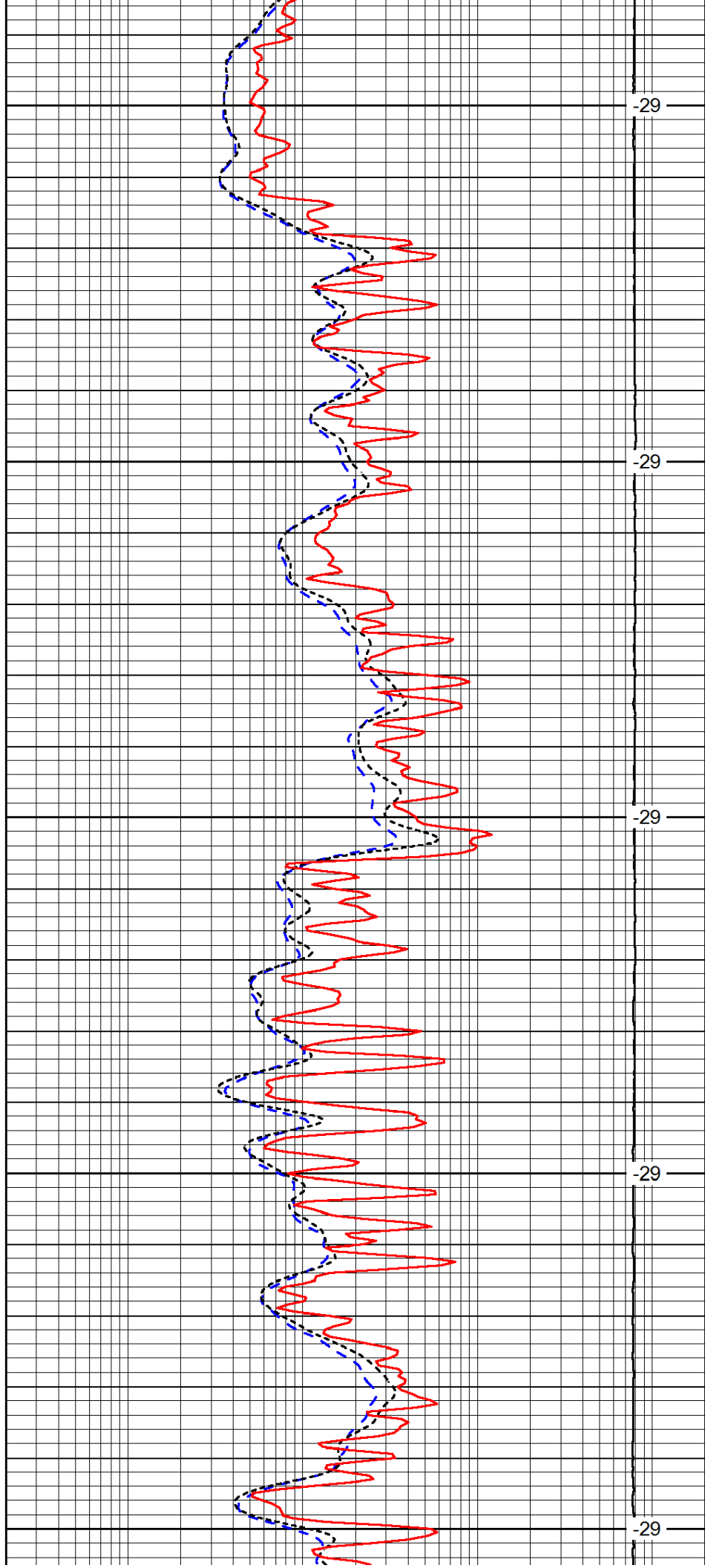
4650

4700

4750

4800

4850



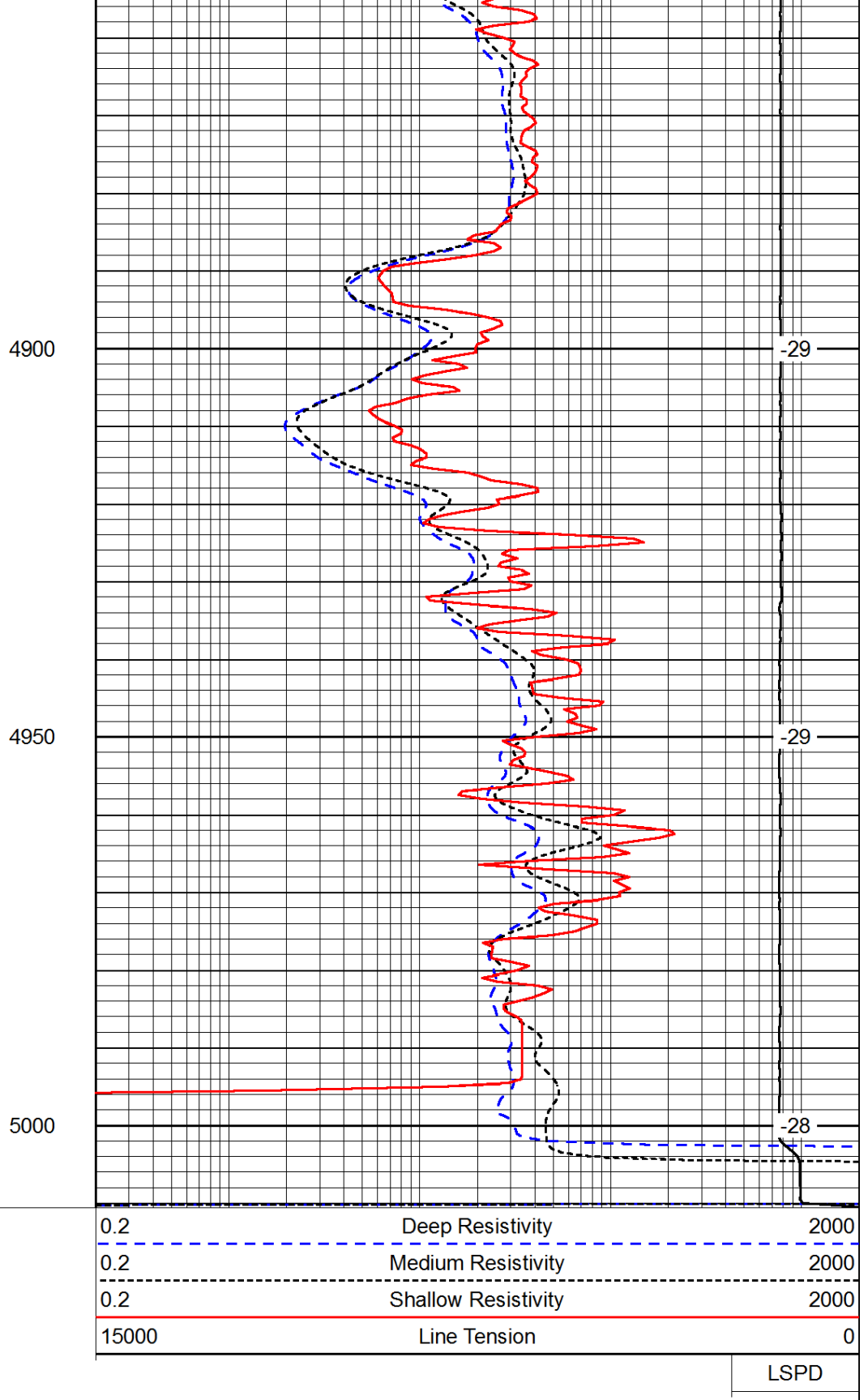
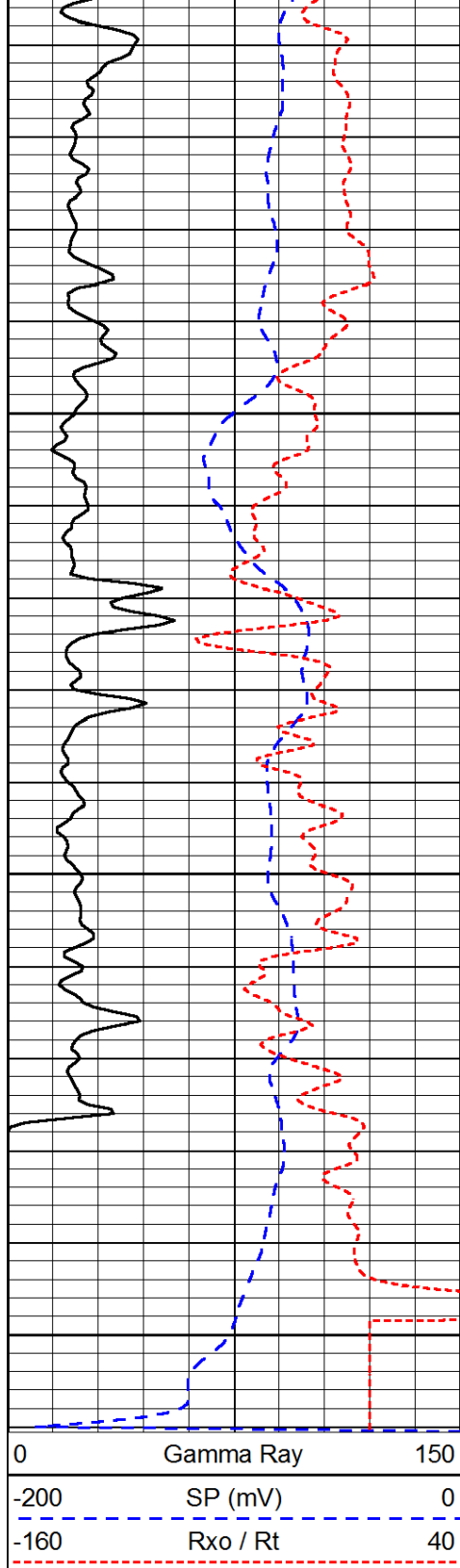
4650

4700

4750

4800

4850



LSPD