



DIGITAL LOG (785) 625-3858

Dual Induction Log

Company Indian Oil Company, Inc.

Well Mingona No. 1

Field Nurse Pool

County Barber State Kansas

Location NE SW SE NW
3040' FSL & 1920' FEL

Sec: 25 Twp: 31 S Rge: 13 W

Other Services
CNL/CDL

Permanent Datum Ground Level Elevation 1533
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1543
D.F. 1533
G.L. 1533

Date 4/15/2012

Run Number One

Depth Driller 4340

Depth Logger 4340

Bottom Logged Interval 4339

Top Log Interval 200

Casing Driller 8.625 @ 225

Casing Logger 222

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 13,000

Density / Viscosity 9.1 50

pH / Fluid Loss 9.0 13.2

Source of Sample Flowline

Rm @ Meas. Temp .23 @ 54

Rmf @ Meas. Temp .17 @ 54

Rmc @ Meas. Temp .31 @ 54

Source of Rmf / Rmc Charts

Rm @ BHT .10 @ 119

Operating Rig Time 2 1/2 Hours

Max Rec. Temp. F 119

Equipment Number 17

Location Hays

Recorded By D. Martin

Witnessed By Scott Alberg

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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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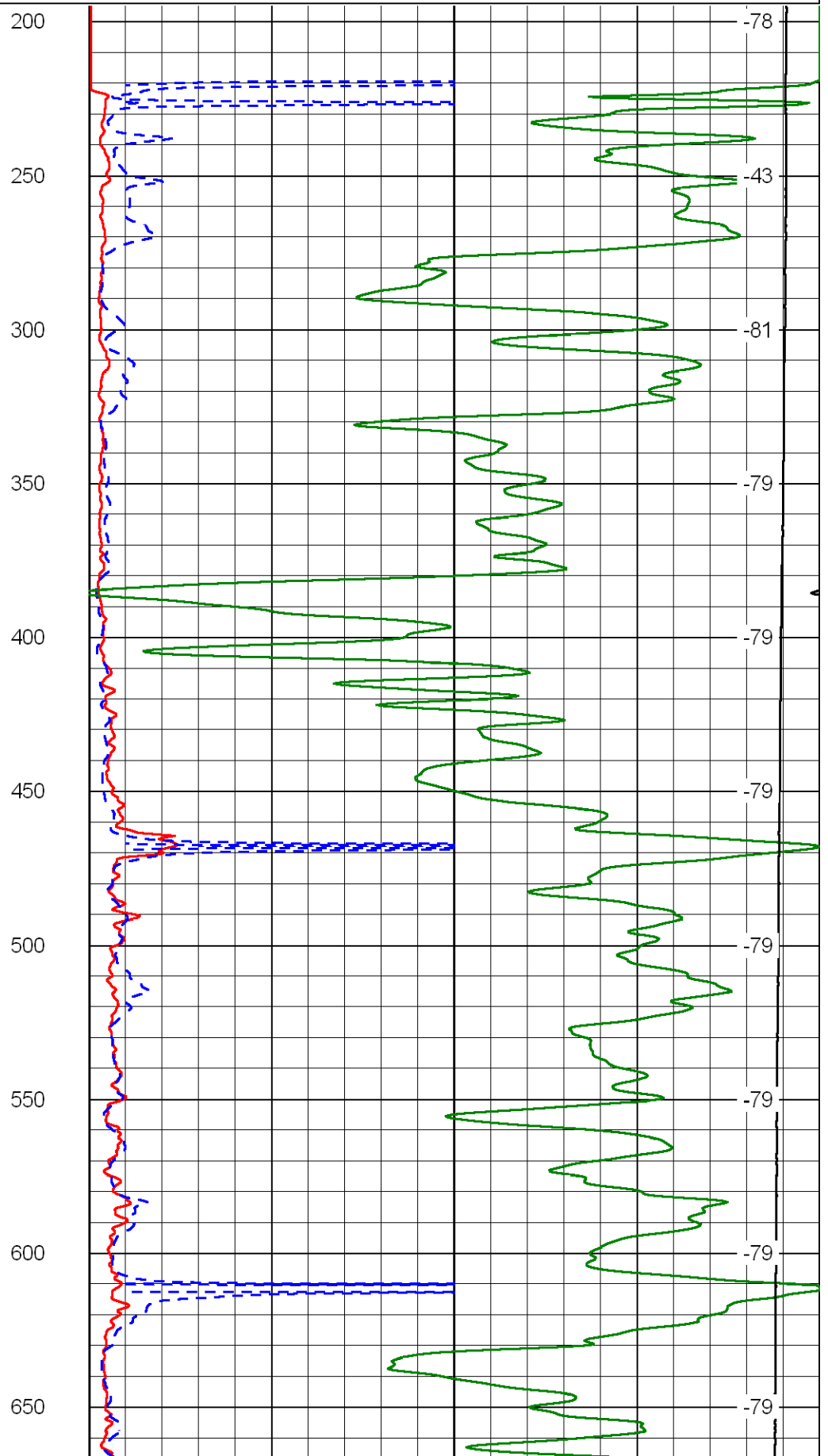
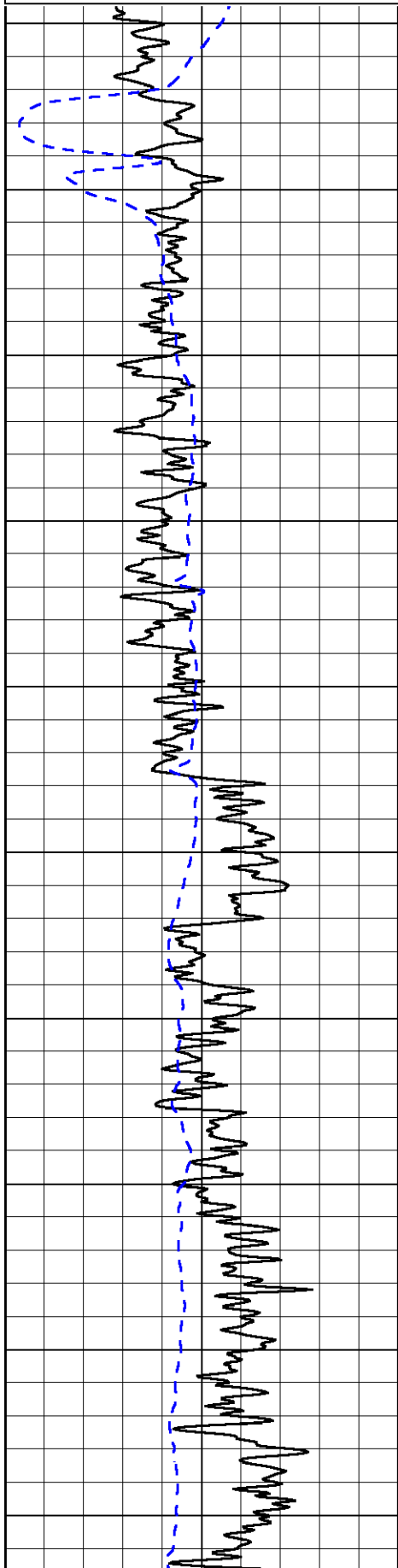
Medicine Lodge, KS
6 1/2 W on River Rd., E Into

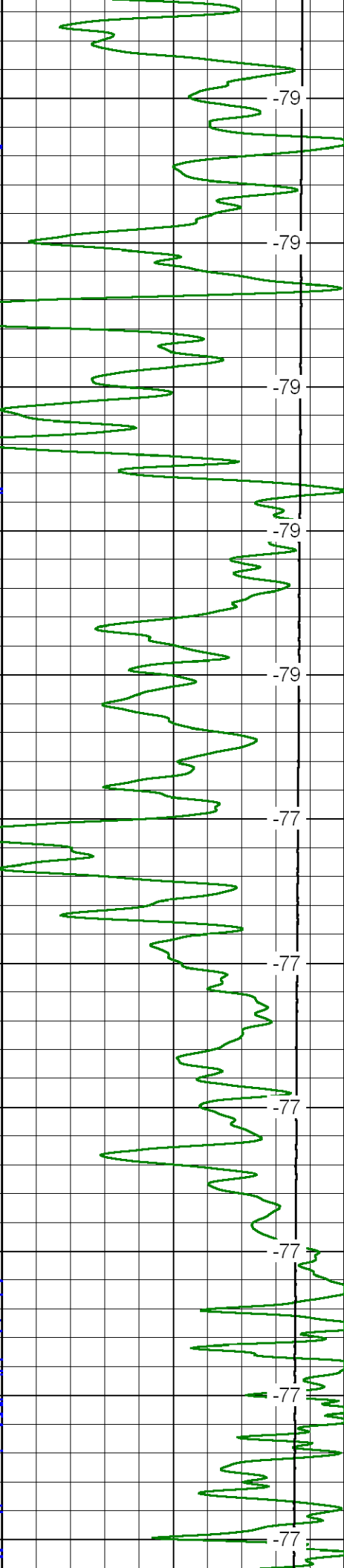
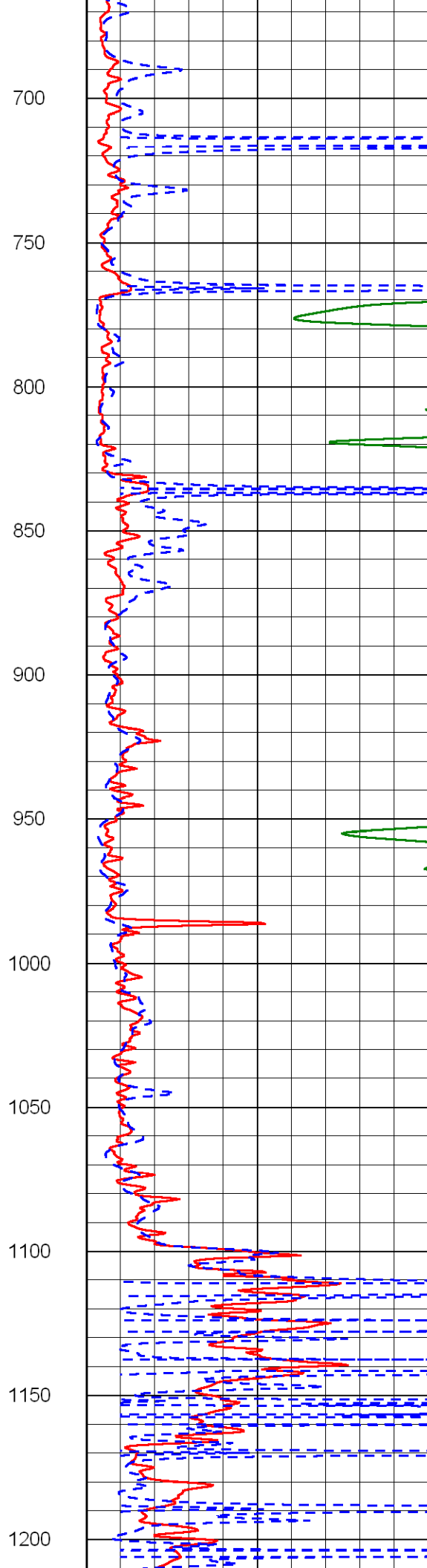
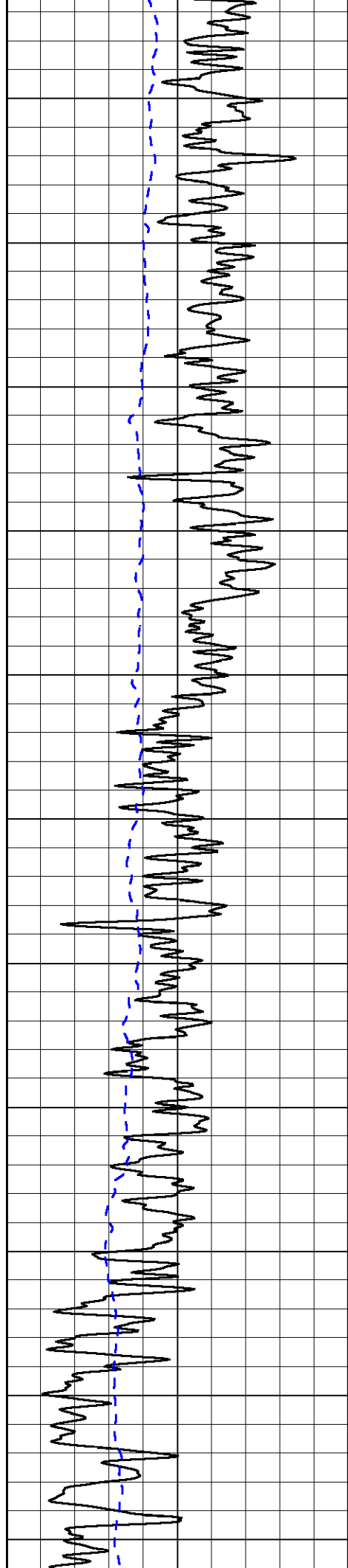
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Presentation Format: dil2in
Dataset Creation: Mon Apr 16 00:57:14 2012
Charted by: Depth in Feet scaled 1:600

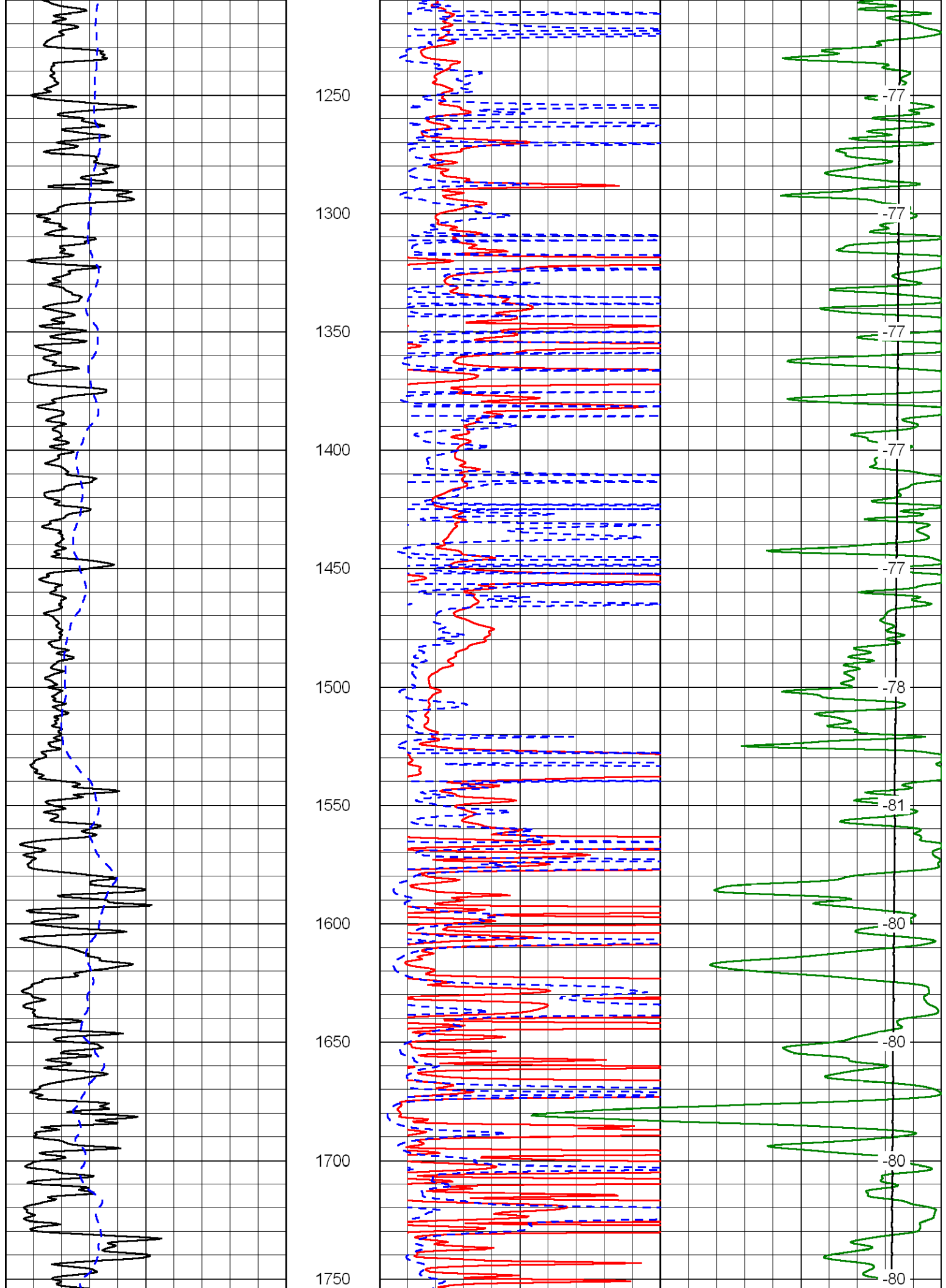
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-200	SP	0

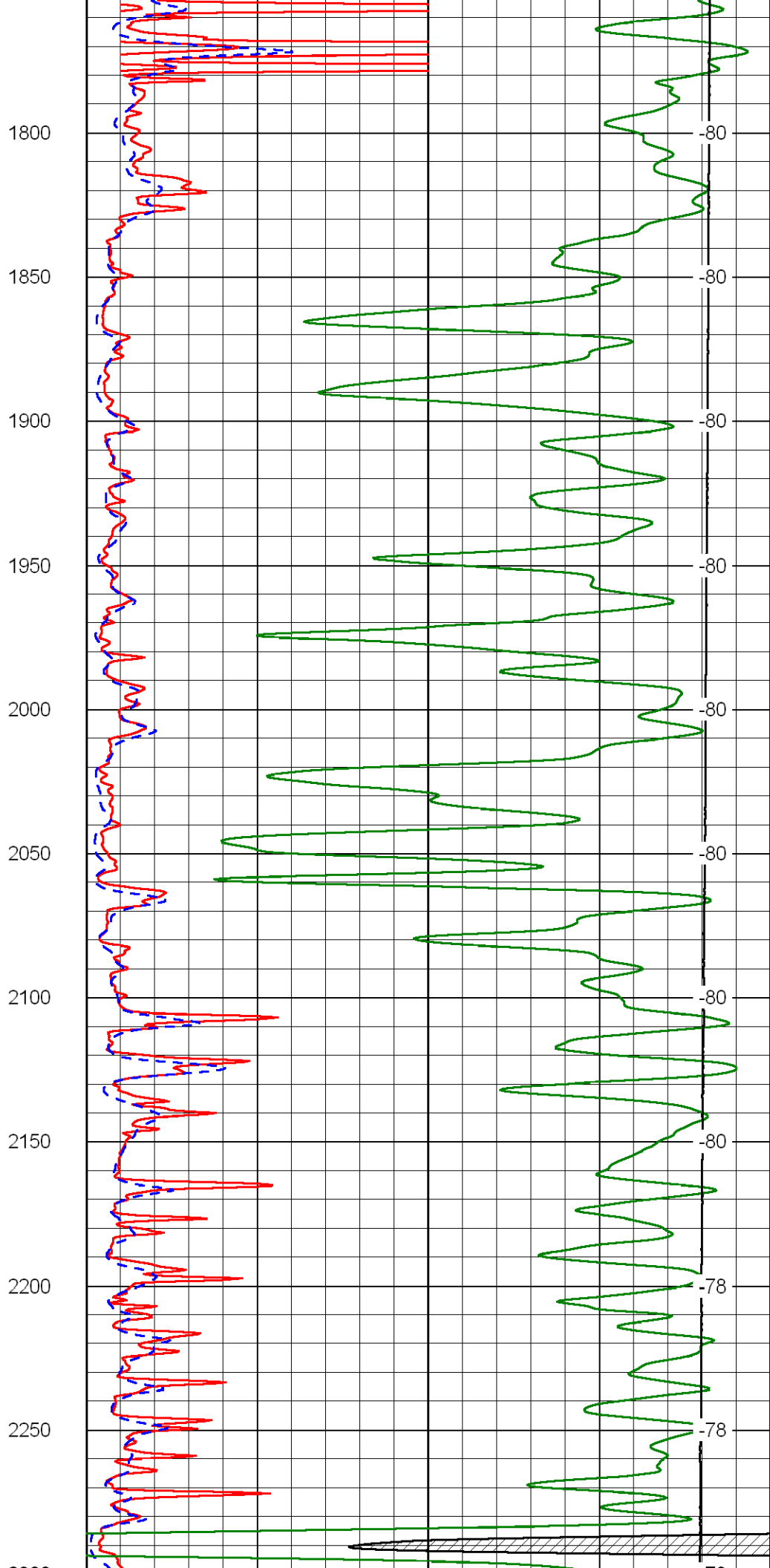
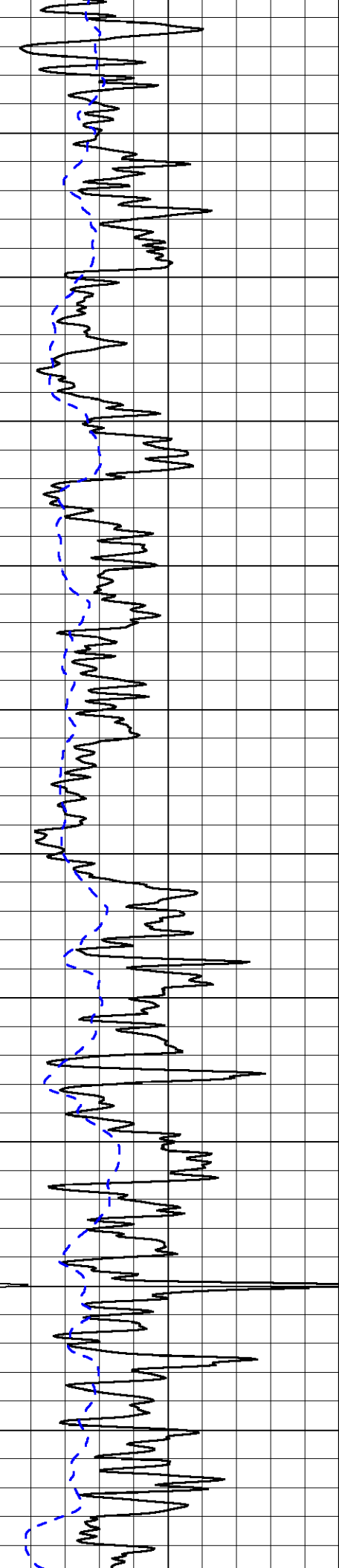
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

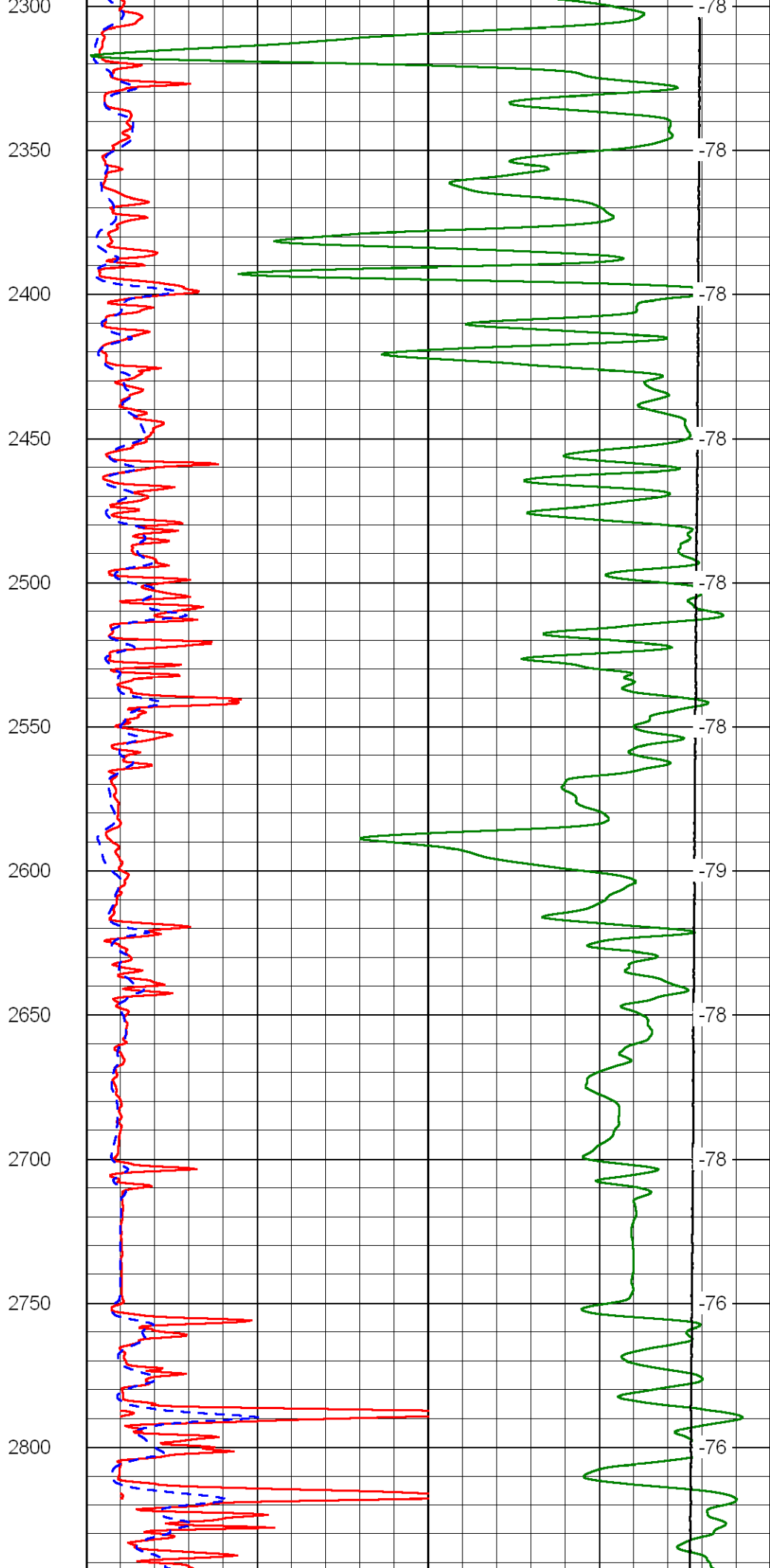
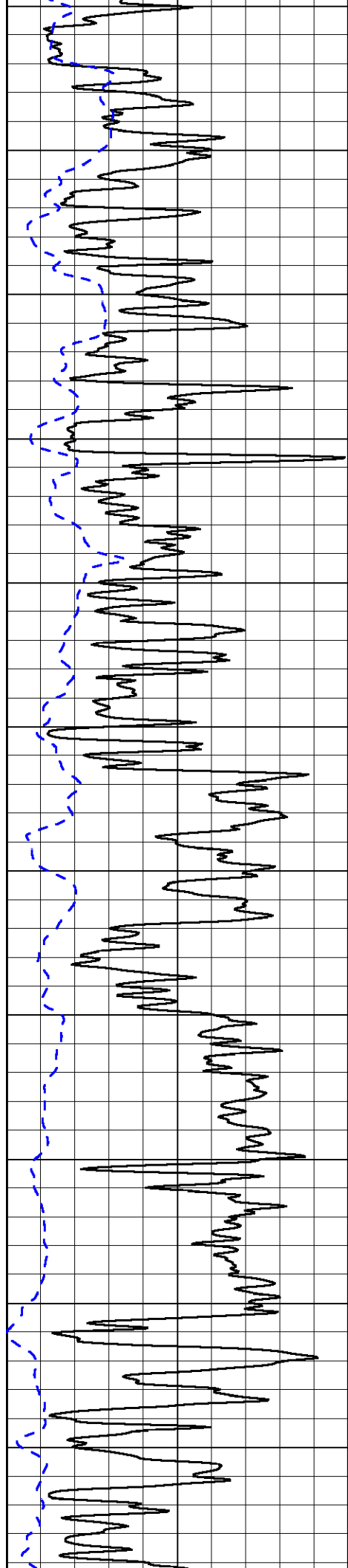
LSPD

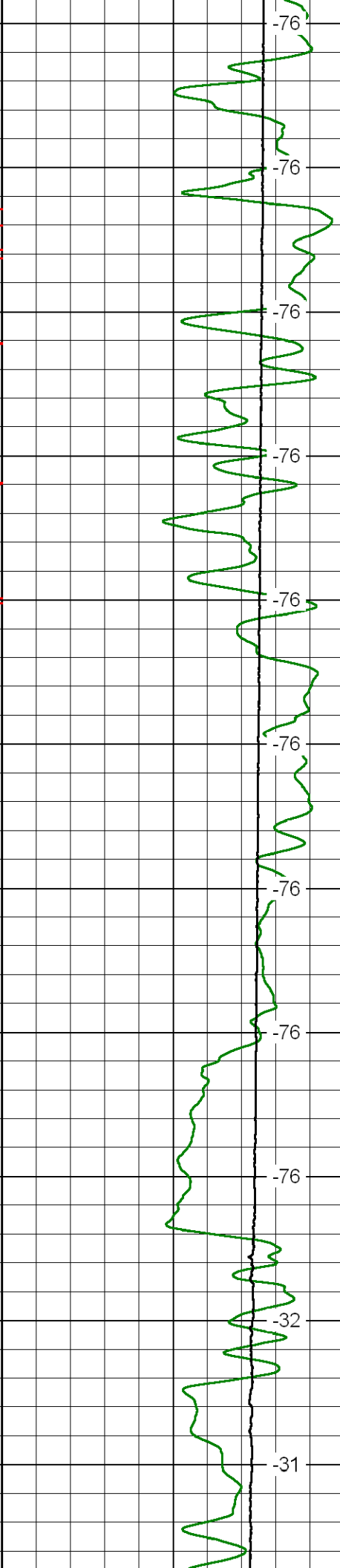
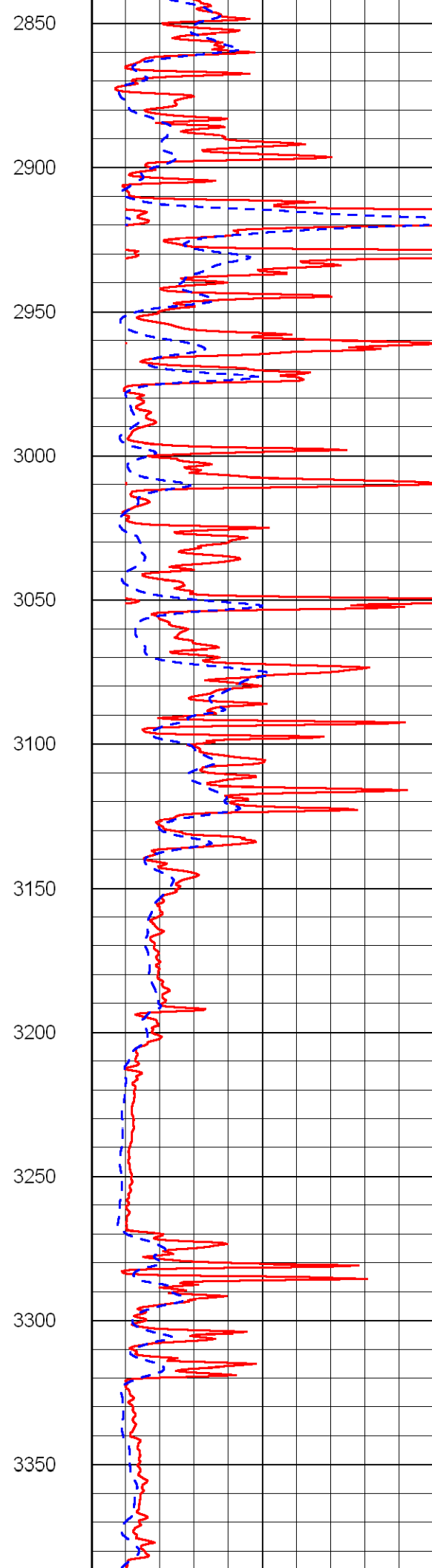
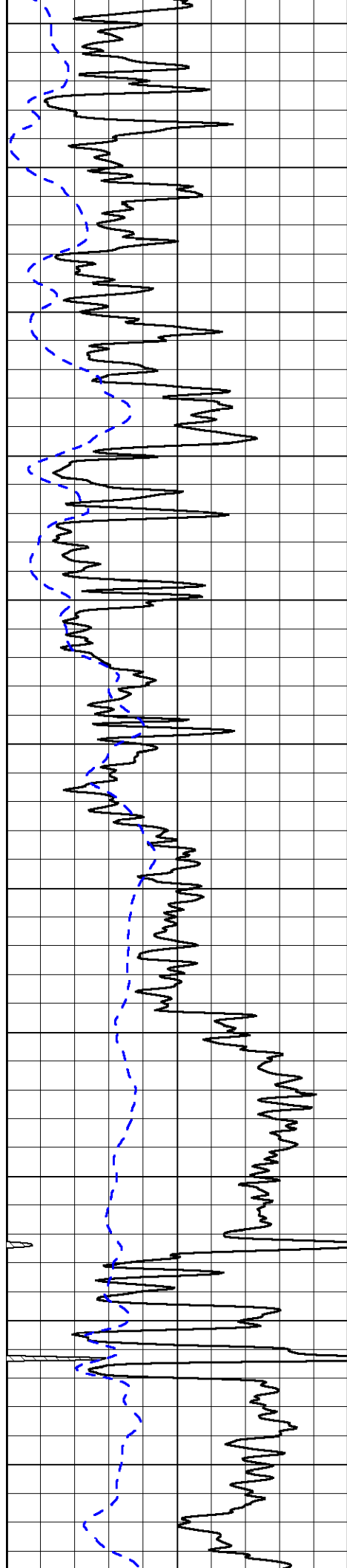


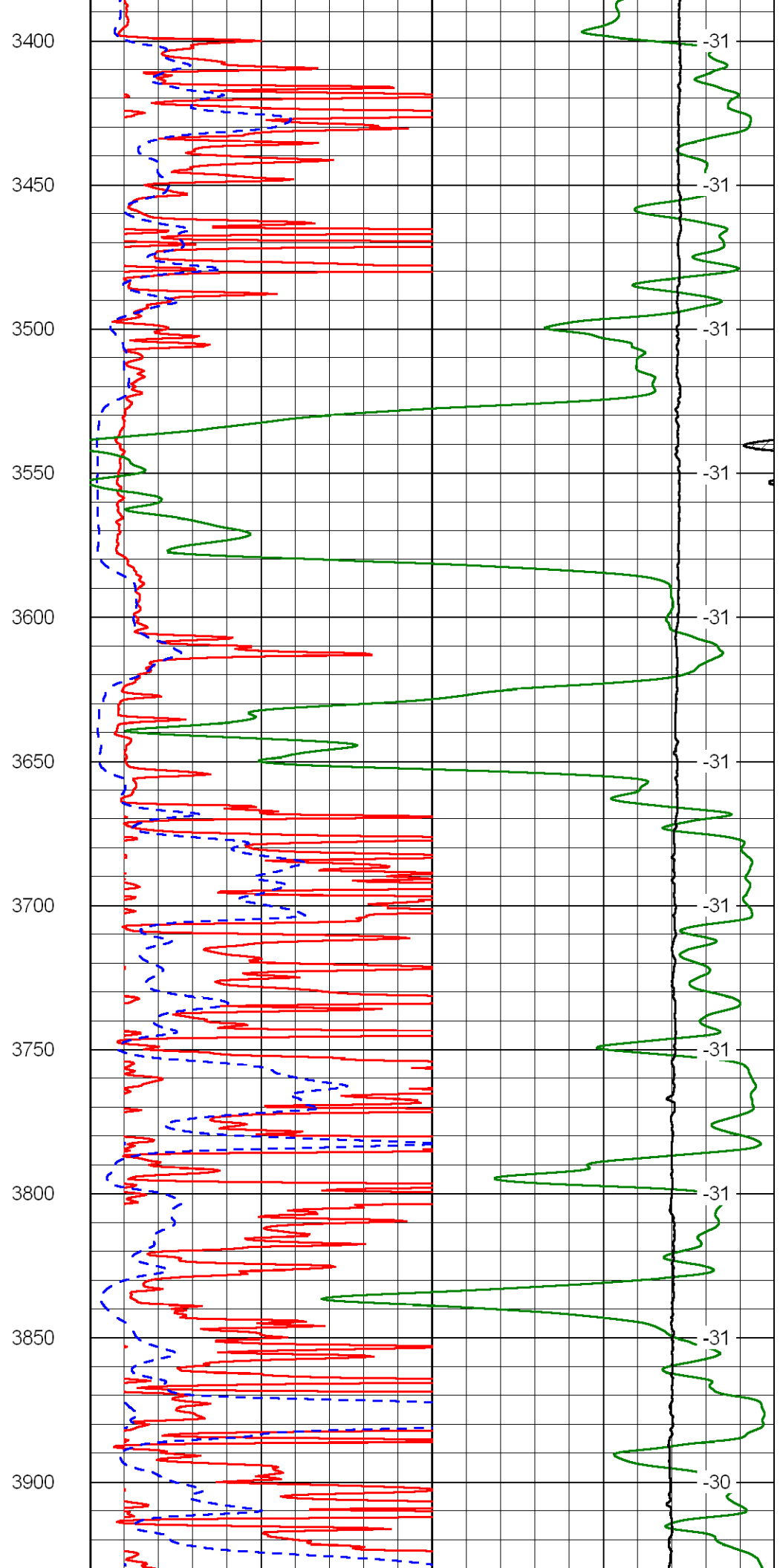
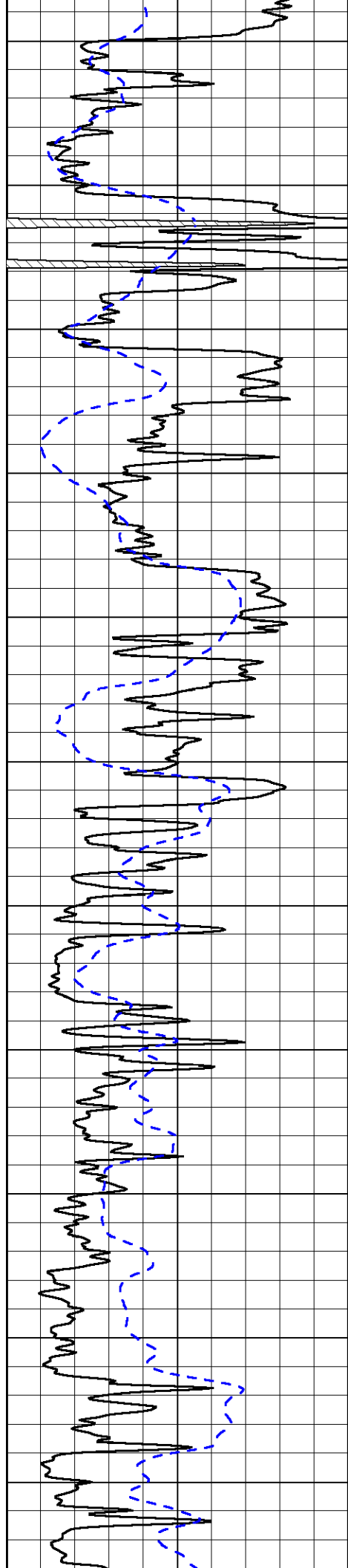


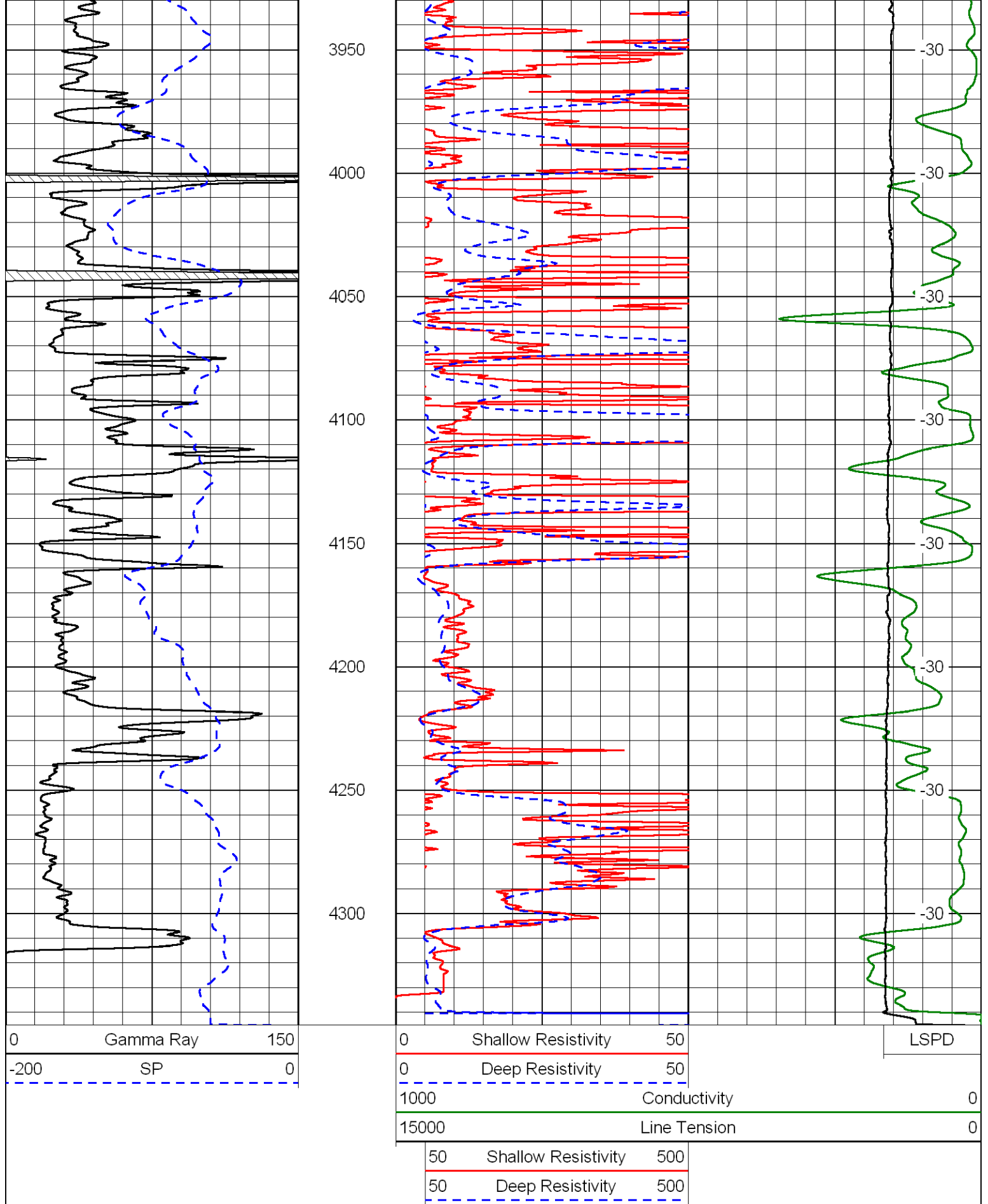










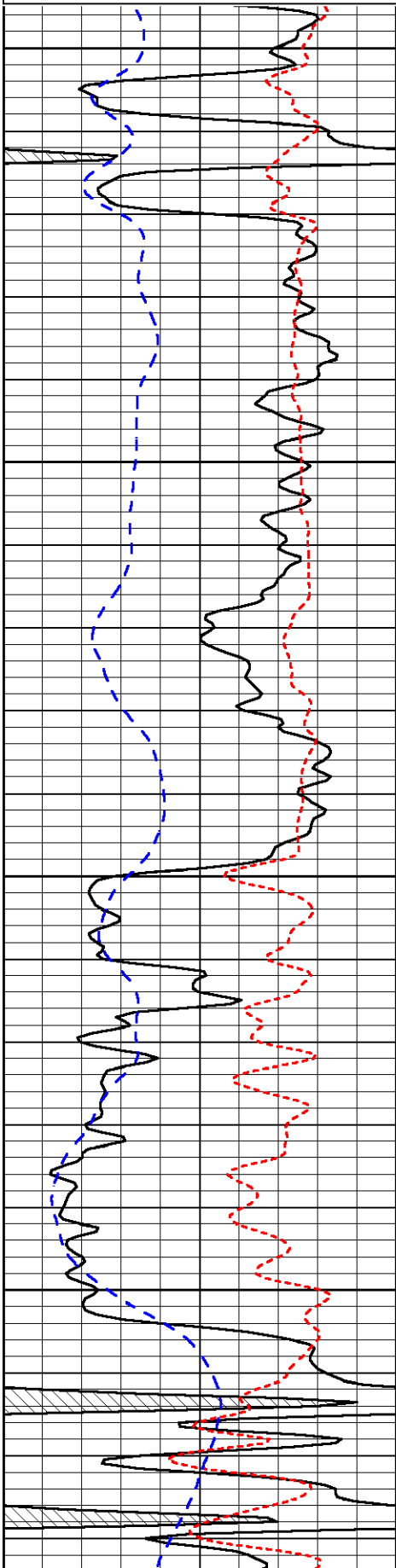


Database File: indhd.db
 Dataset Pathname: DIL/indstk
 Presentation Format: dil
 Dataset Creation: Mon Apr 16 00:57:14 2012
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

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0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD

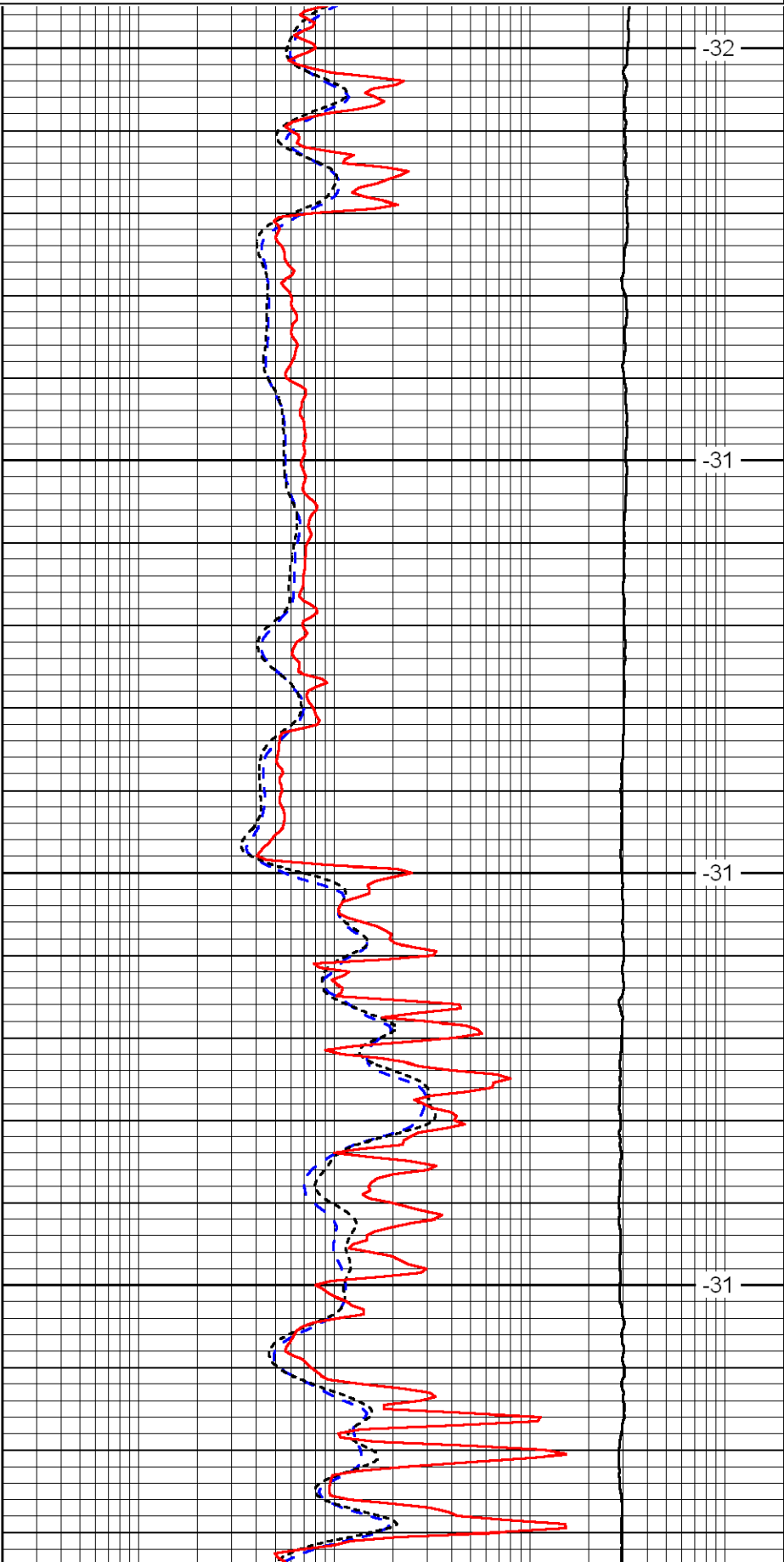


3300

3350

3400

3450

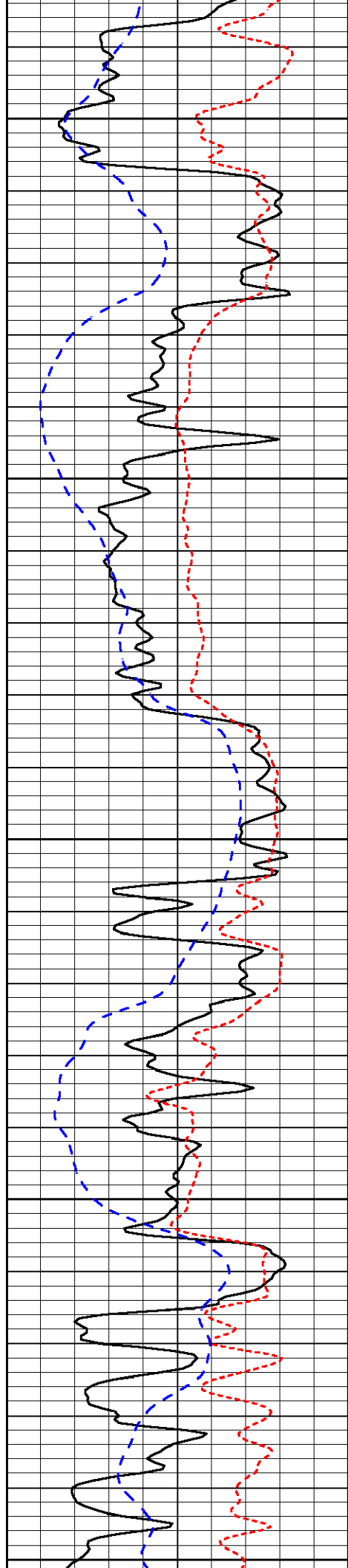


-32

-31

-31

-31



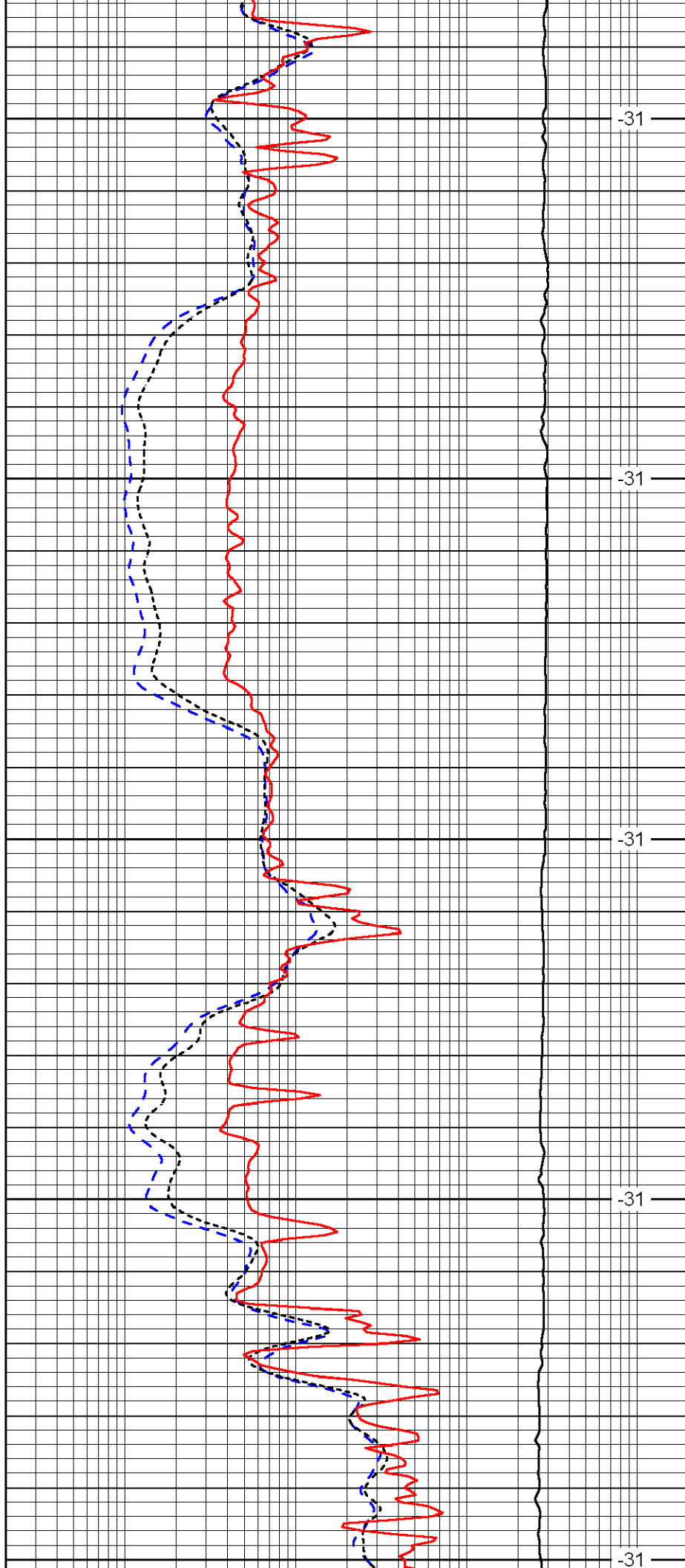
3500

3550

3600

3650

3700



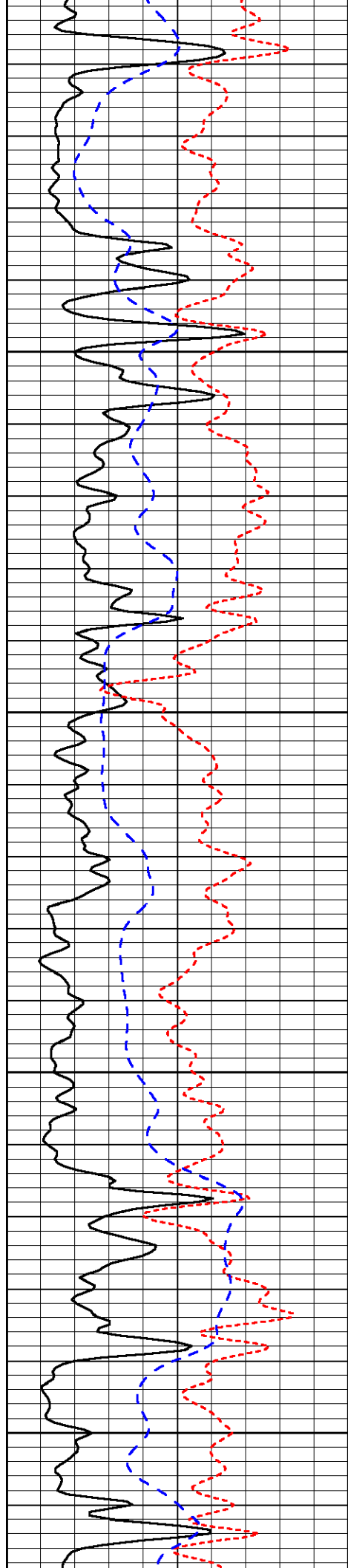
-31

-31

-31

-31

-31

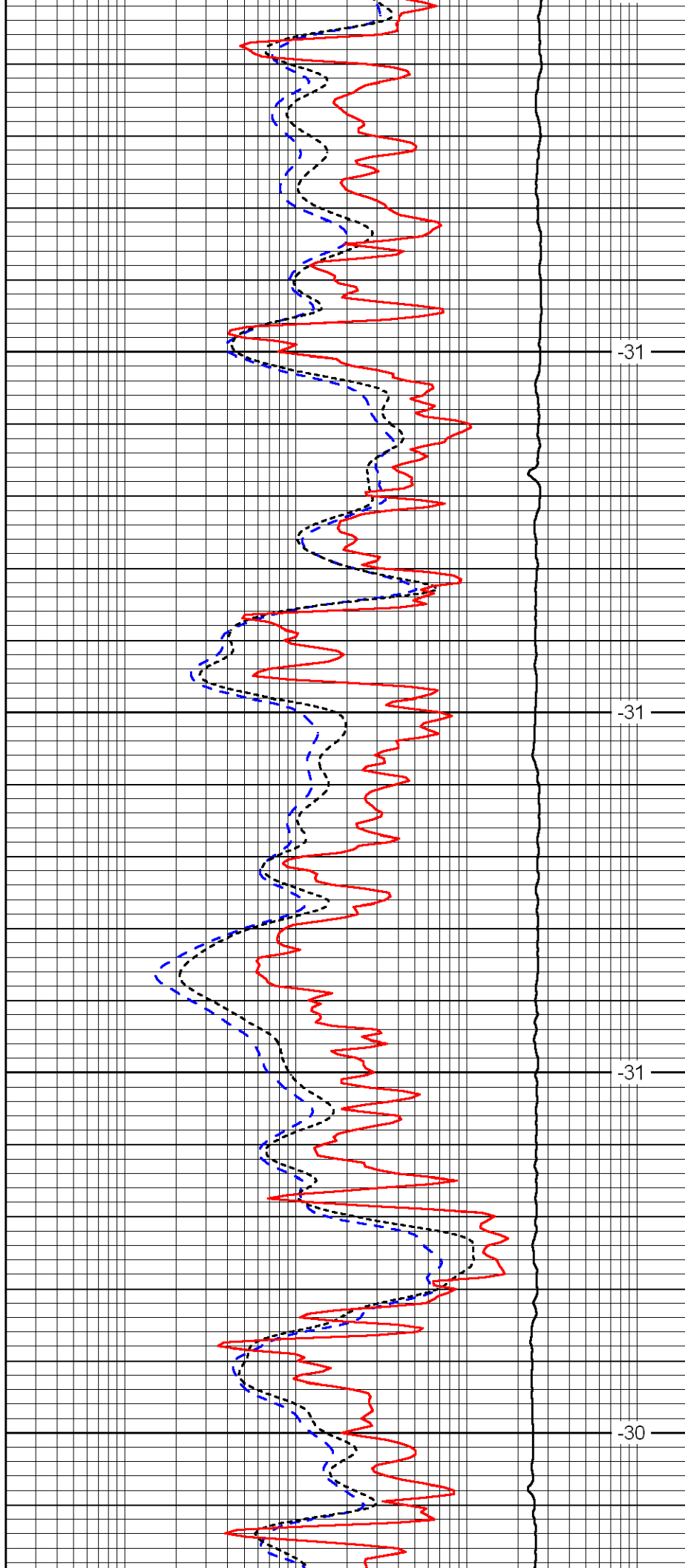


3750

3800

3850

3900

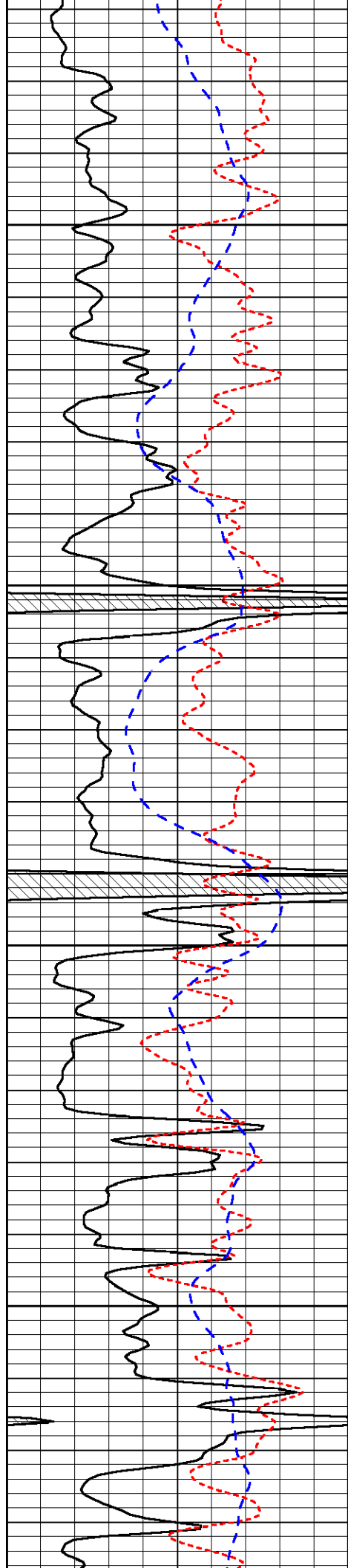


-31

-31

-31

-30

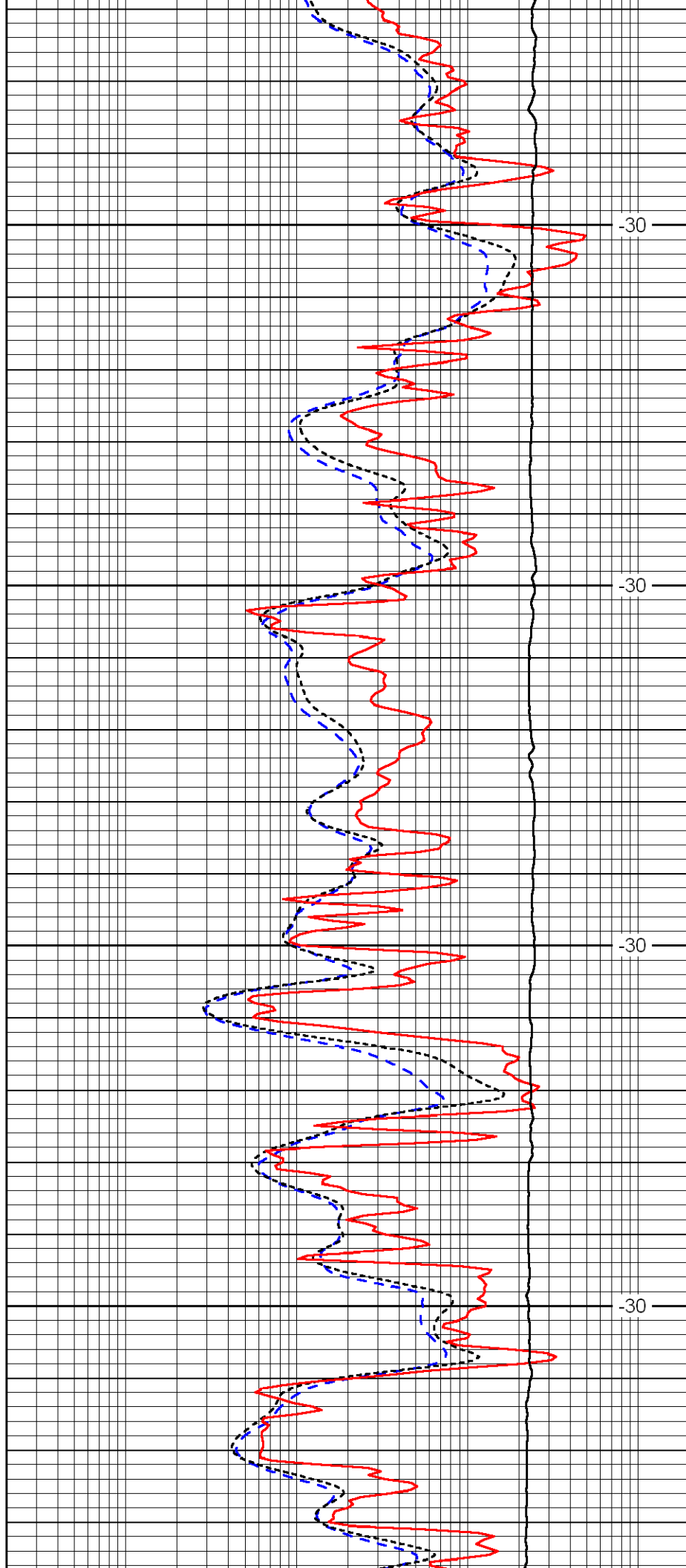


3950

4000

4050

4100

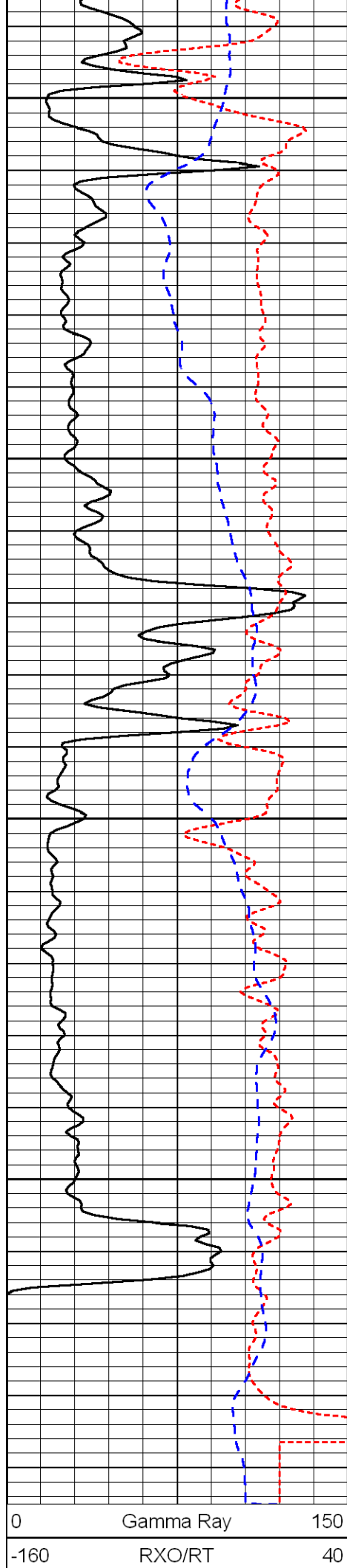


-30

-30

-30

-30

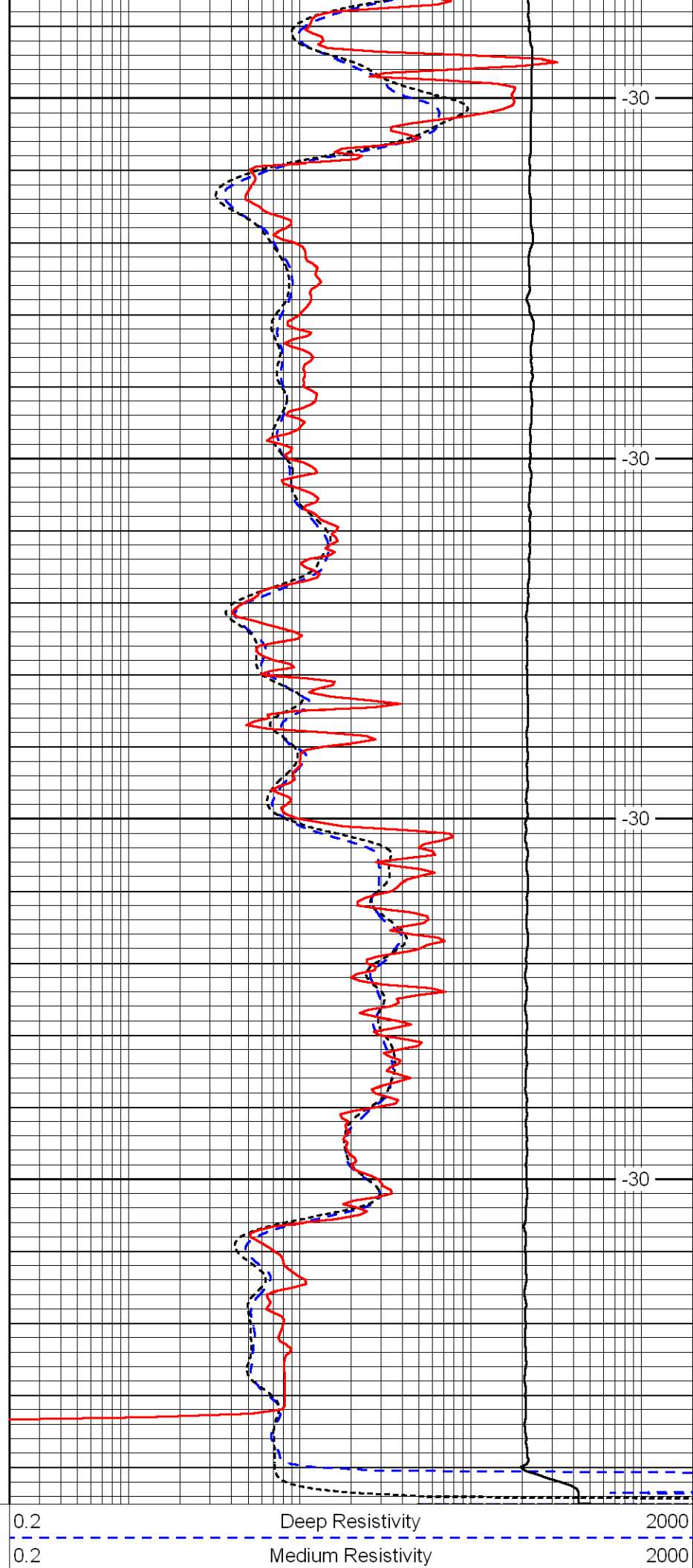


4150

4200

4250

4300



-30

-30

-30

-30

2000

2000

-200	SP	0

0.2	Shallow Resistivity	2000
10000	Line Tension	0
		LSPD