



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.

15-155-21,566-00-00

Company Pioneer Oil Company
 Well Peace Creek Unit No.10-03
 Field Zenity-Peace Creek
 County Reno State Kansas

Location 2240' FSL & 2202' FWL

Sec: 2 Twp: 23S Rge: 10W

Permanent Datum Ground Level Elevation 1751
 Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
 Drilling Measured From Kelly Bushing

Other Services
 CNL/CDL
 Elevation
 K.B. 1761
 D.F. 1751
 G.L. 1751

Date	12/10/2010
Run Number	One
Depth Driller	3716
Depth Logger	3712
Bottom Logged Interval	3711
Top Log Interval	200
Casing Driller	8.625 @ 225
Casing Logger	224
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	4.200
Density / Viscosity	9.45 49
pH / Fluid Loss	11.5 7.6
Source of Sample	Flowline
Rm @ Meas. Temp	.65 @ 68
Rmf @ Meas. Temp	.49 @ 68
Rmc @ Meas. Temp	.88 @ 68
Source of Rmf / Rmc	Charts
Rm @ BHT	.38 @ 115
Operating Rig Time	3 Hours
Max Rec. Temp. F	115
Equipment Number	17
Location	Hays
Recorded By	C. Desaire
Witnessed By	Jim Musgrave

<<< Fold Here >>>

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

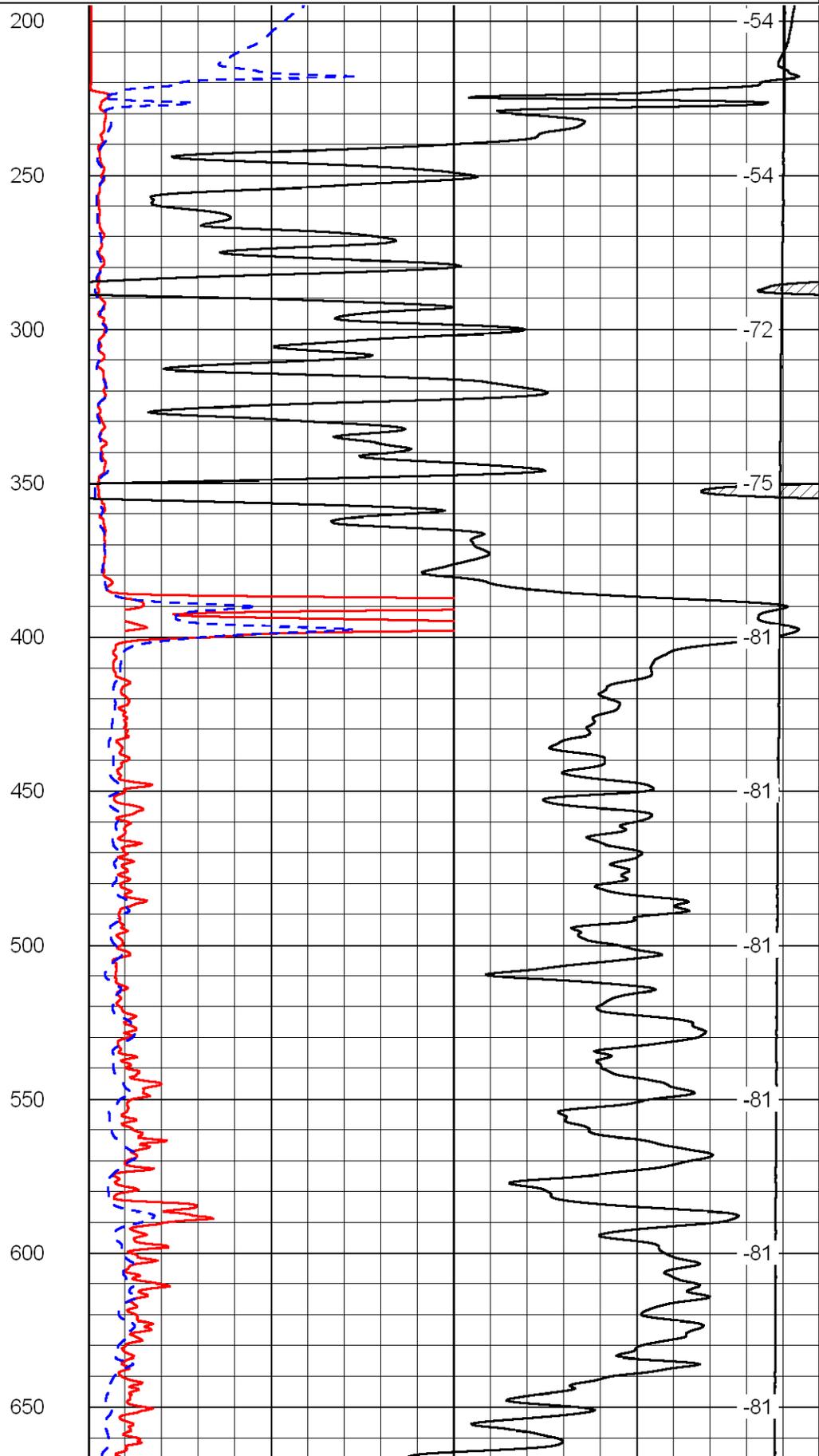
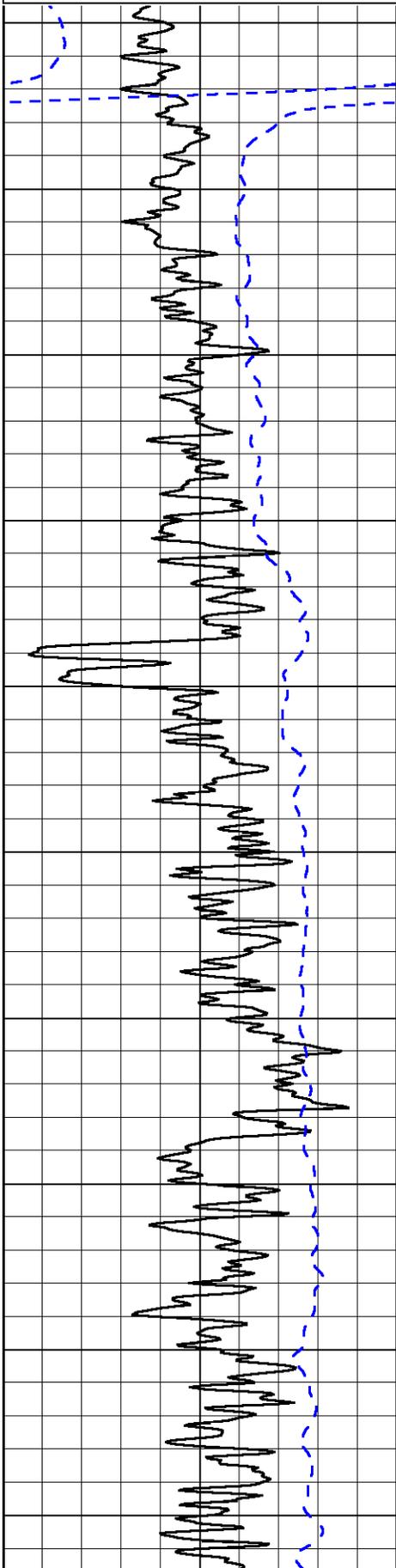
Thank you for using Log-Tech, Inc.
 (785) 625-3858
 St. John, 4th St and 281,
 19 1/2 E, 1 1/2 N, E Into

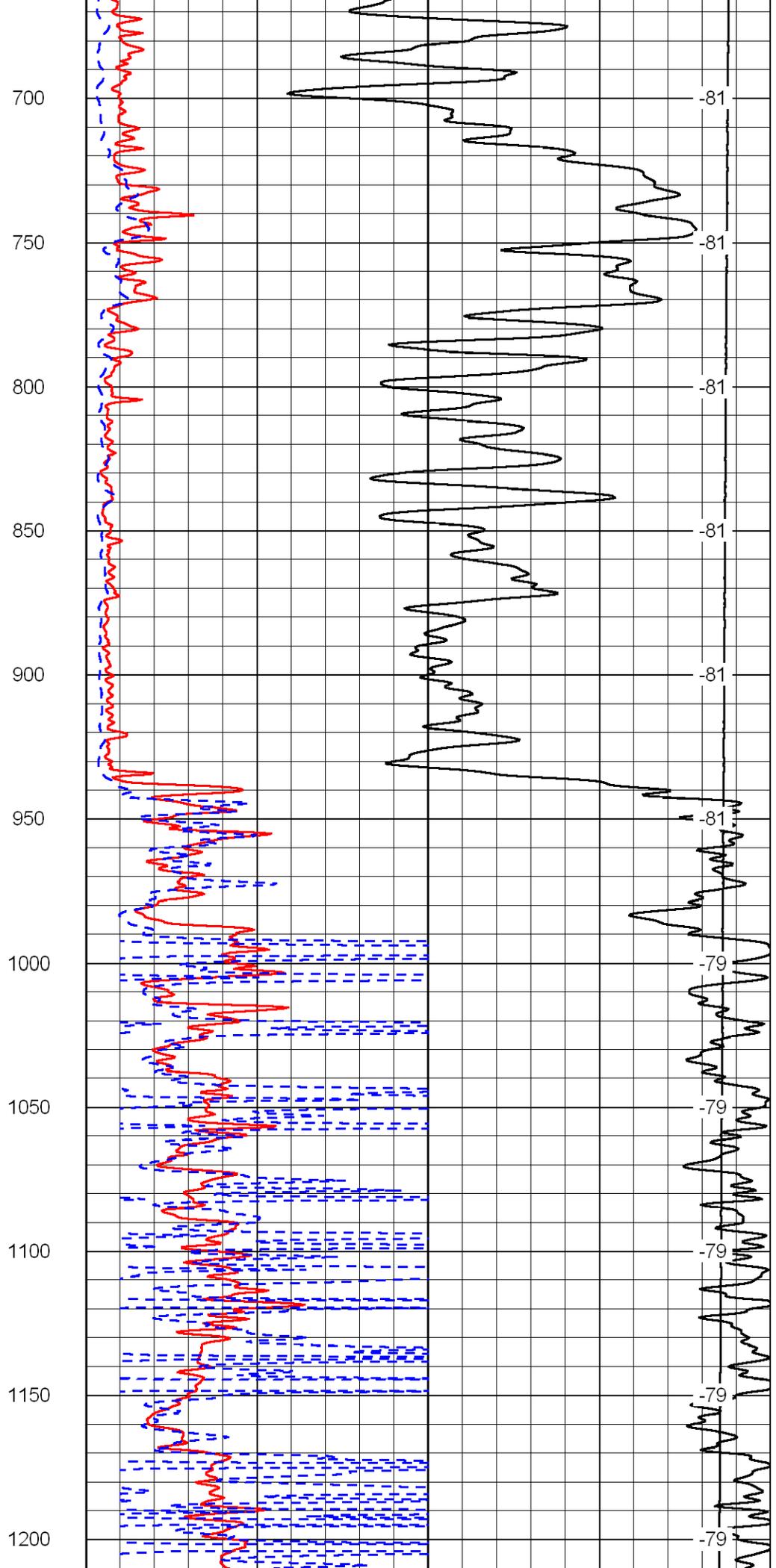
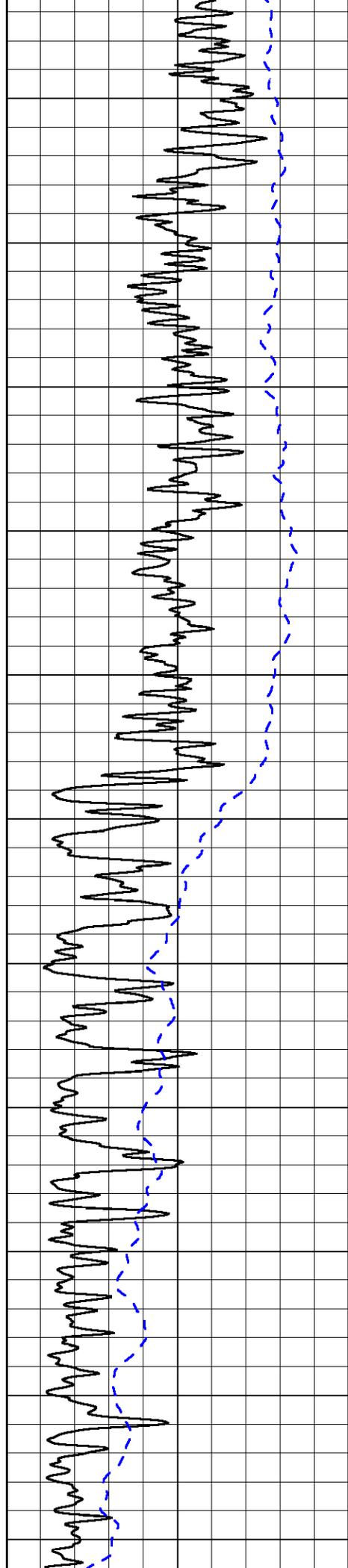
Database File: pnrhd.db
 Dataset Pathname: dil/pnrstk
 Presentation Format: dil2in
 Dataset Creation: Fri Dec 10 17:00:38 2010
 Charted by: Depth in Feet scaled 1:600

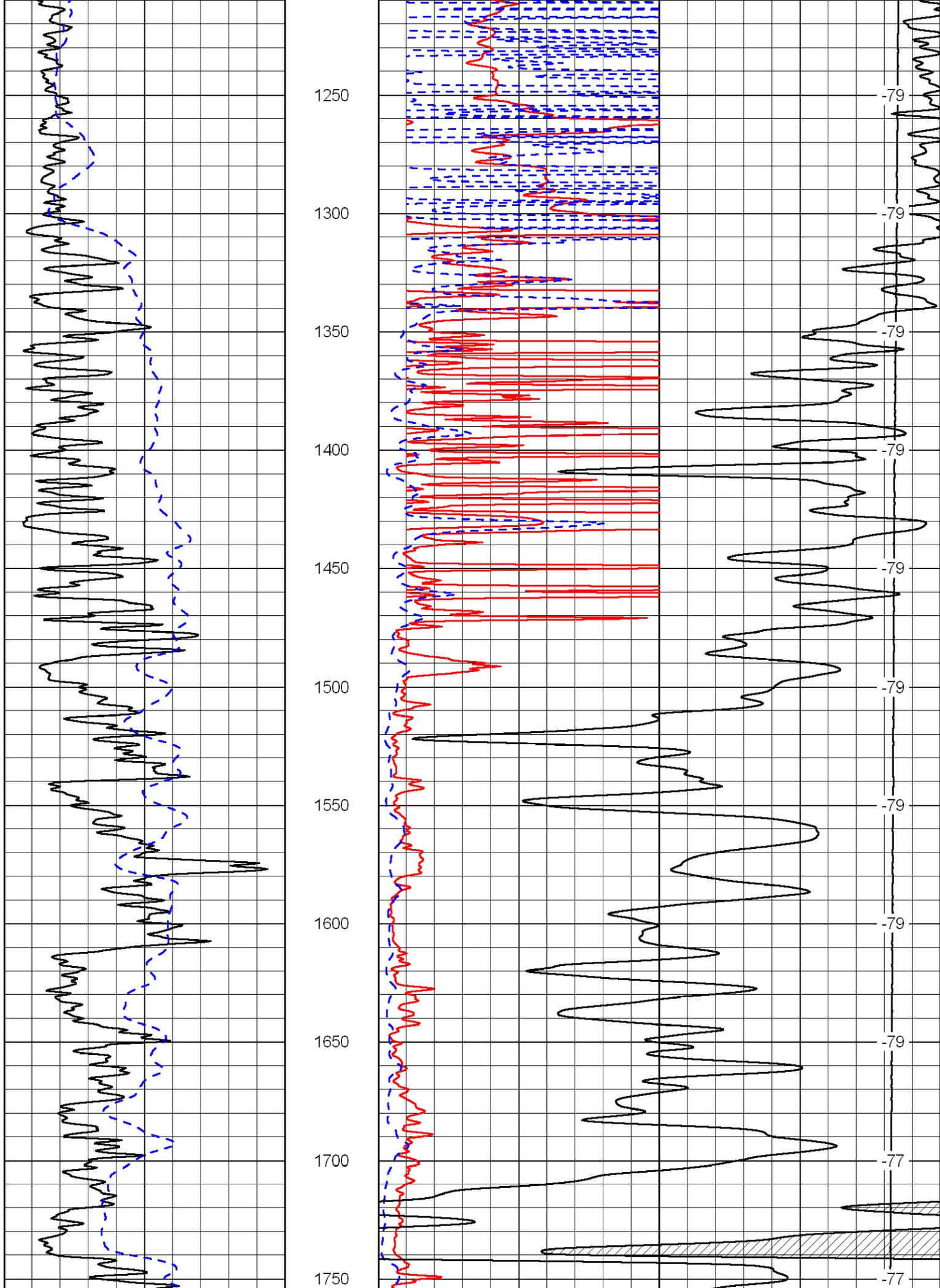
0 Gamma Ray 150
-200 SP 0

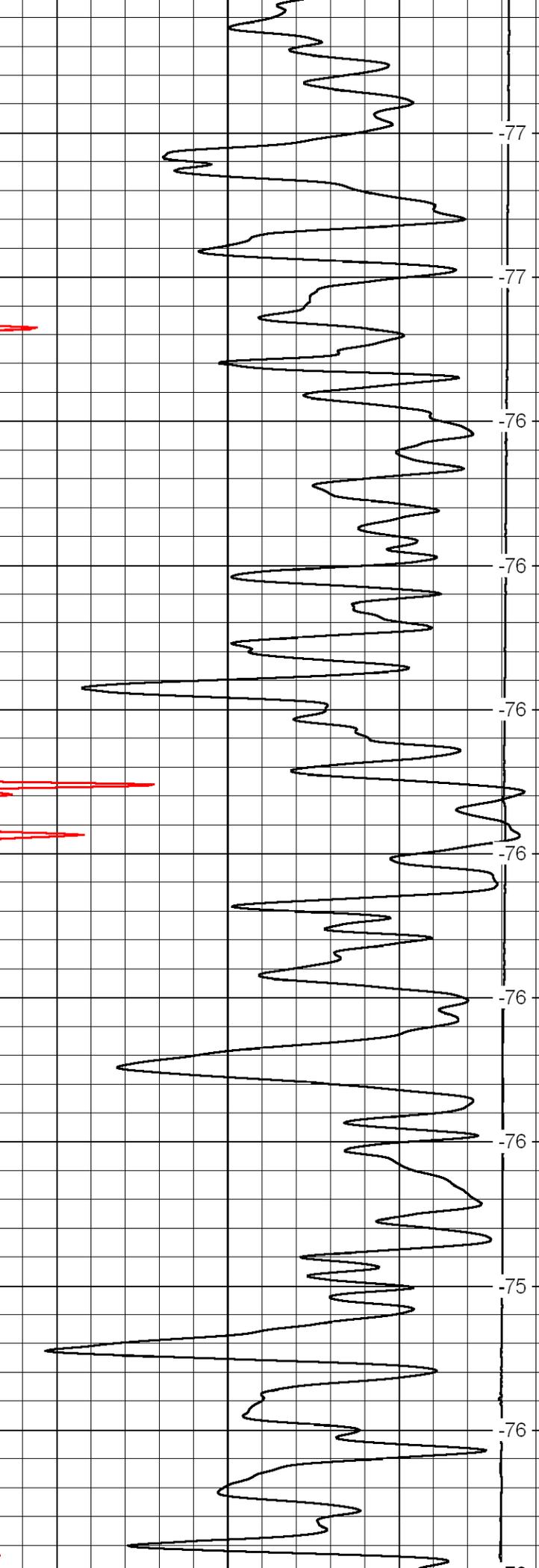
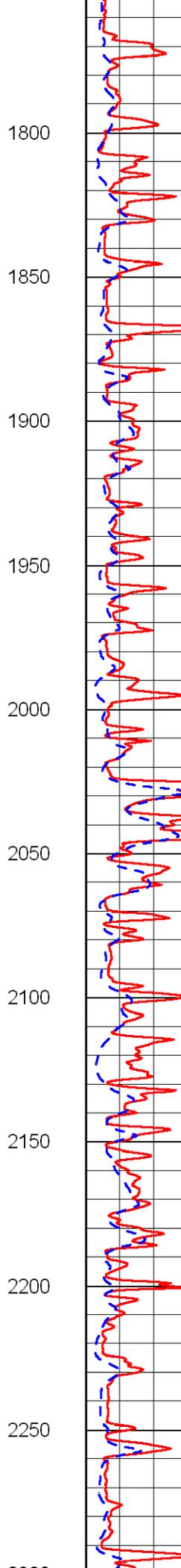
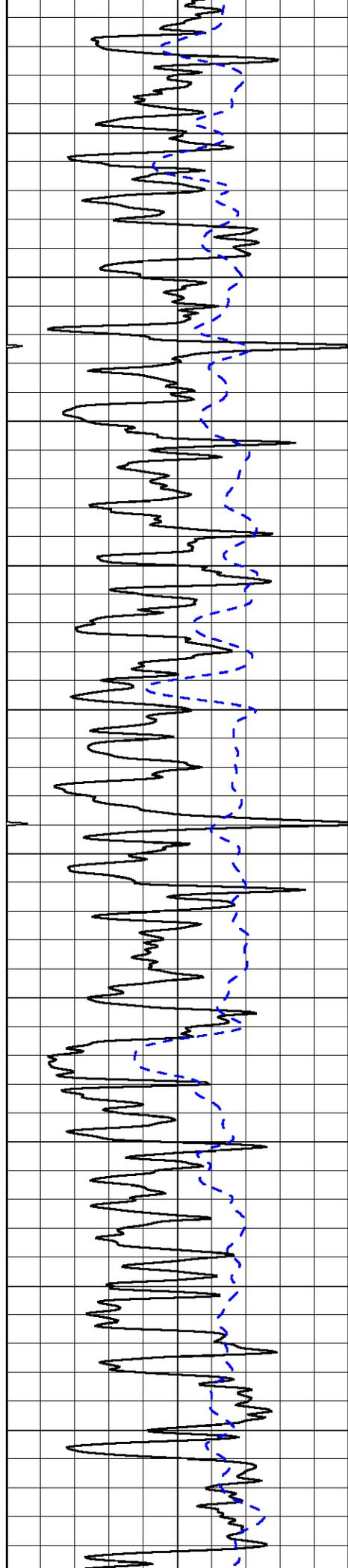
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500

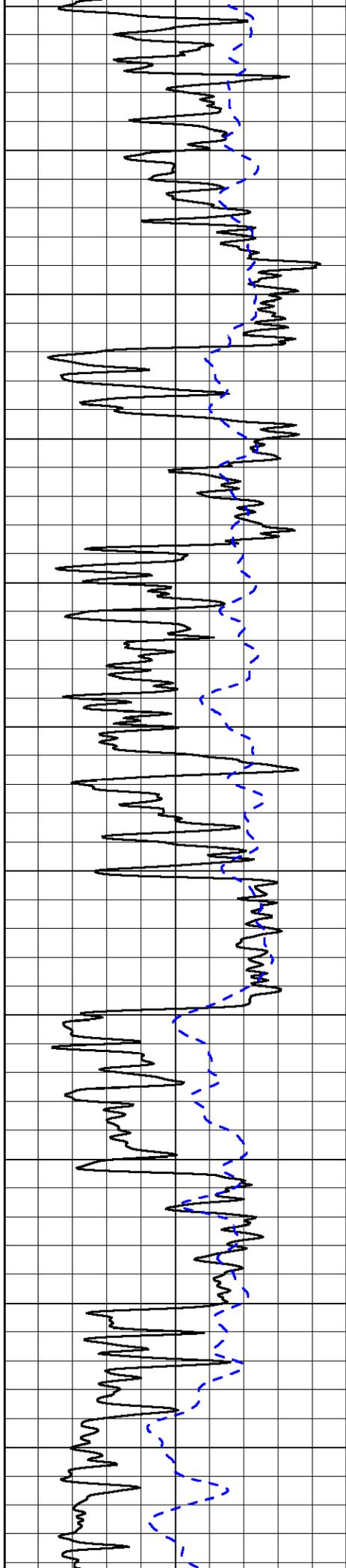
LSPD



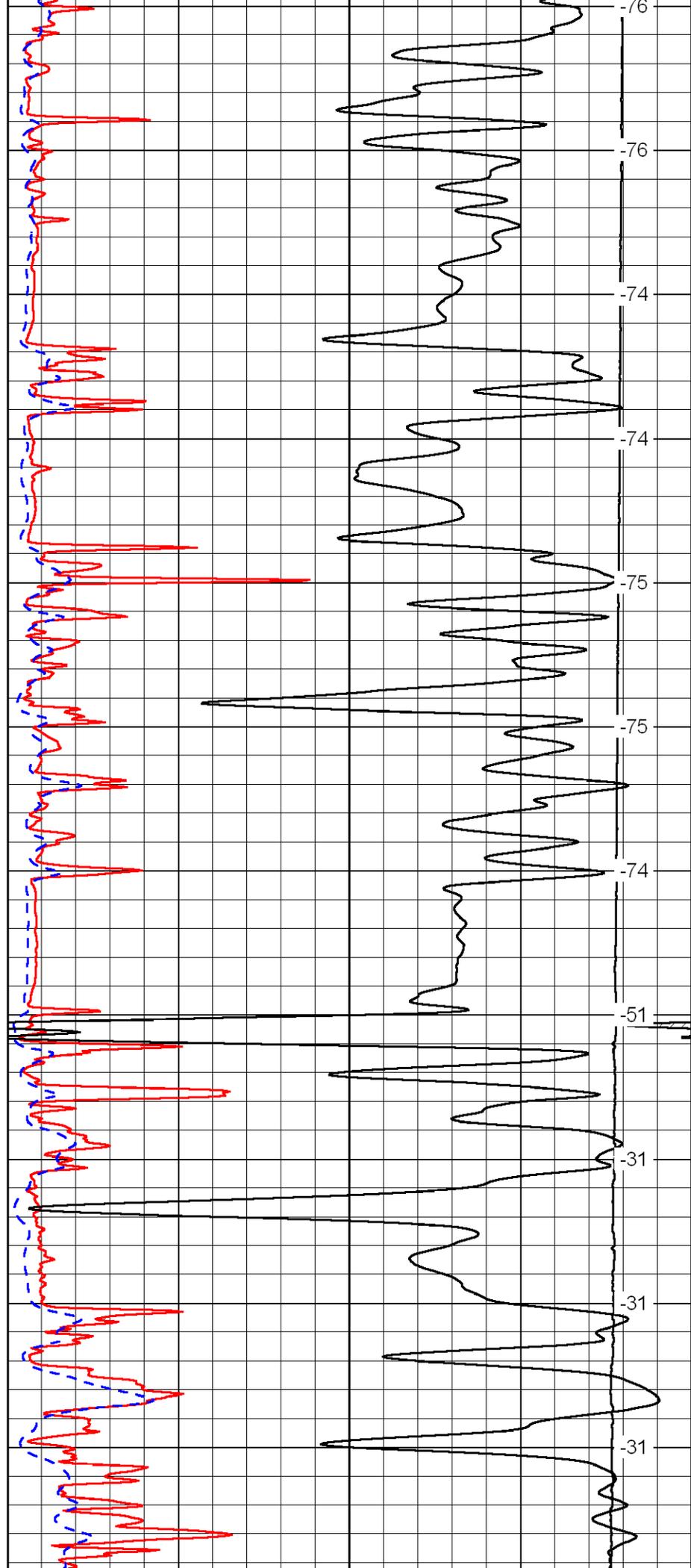




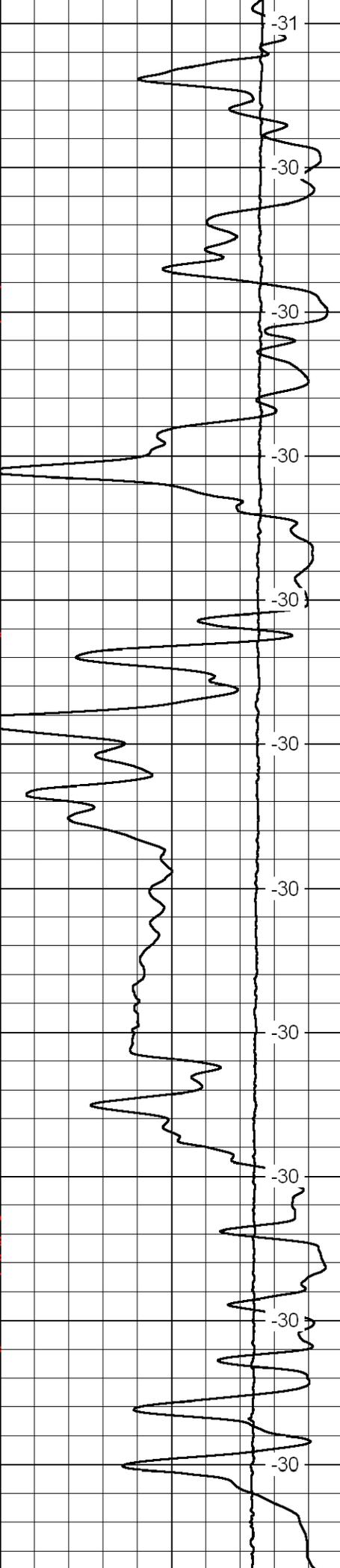
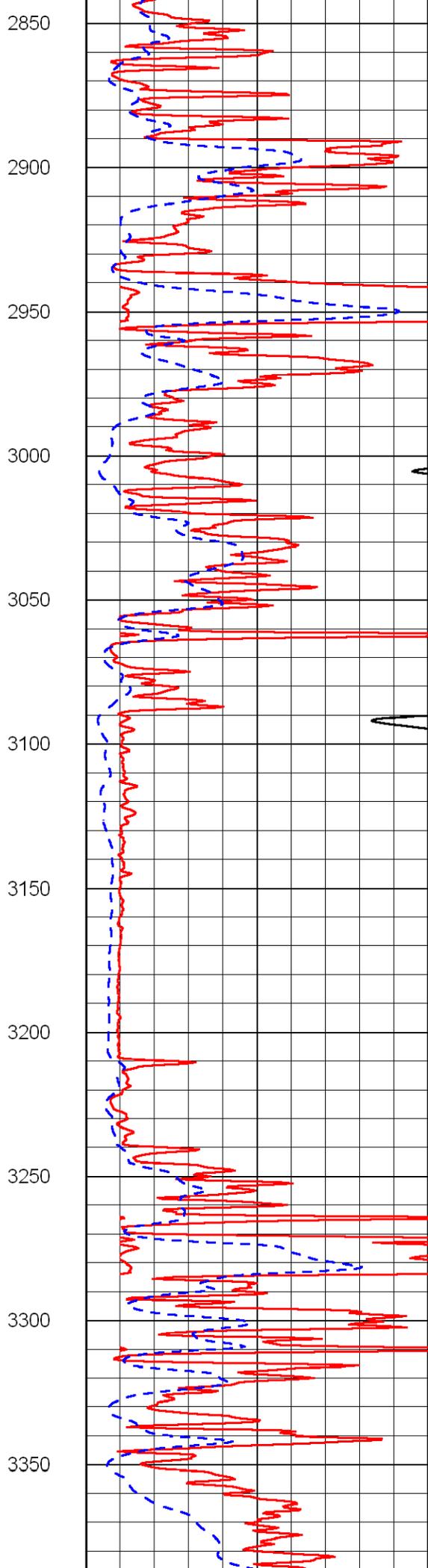
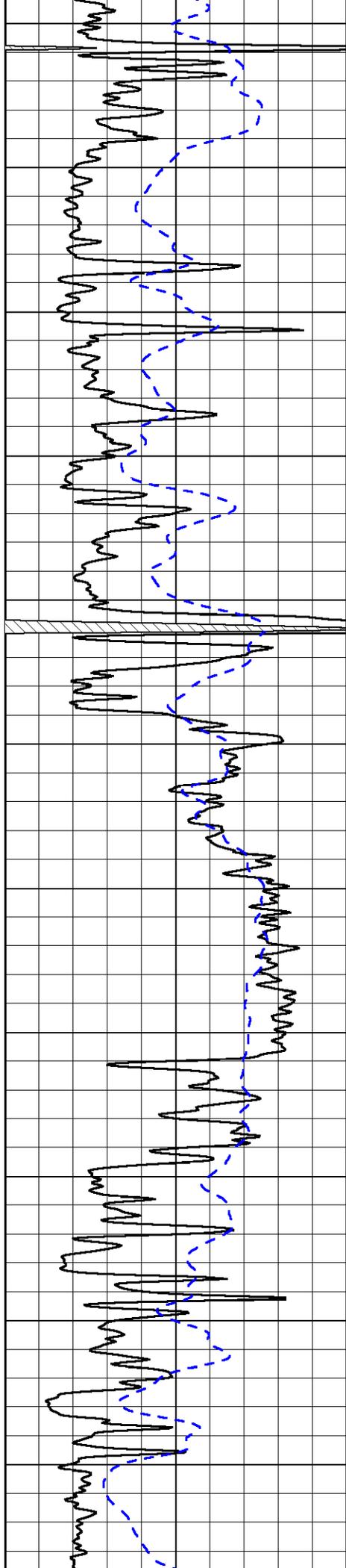


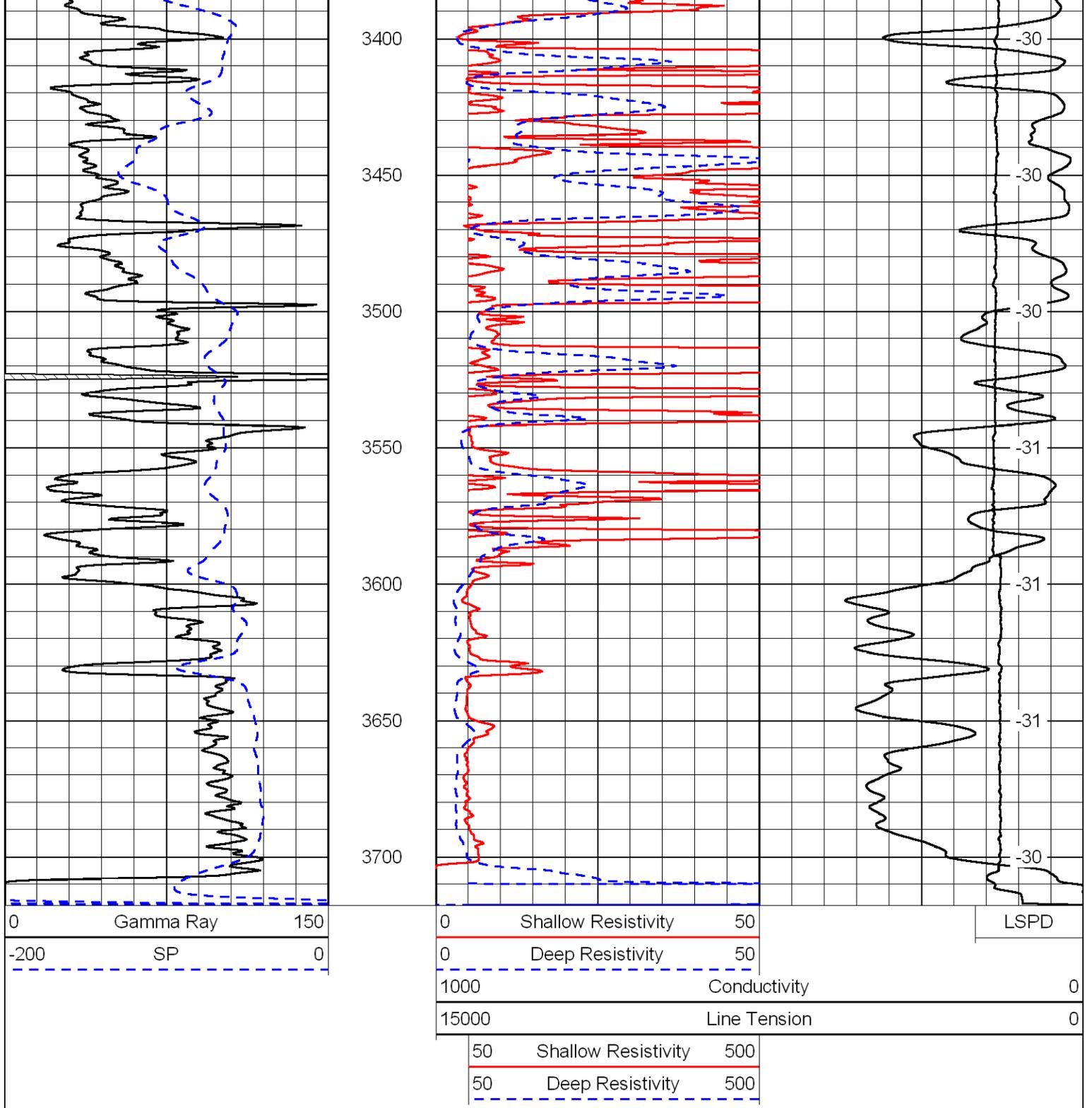


2300
2350
2400
2450
2500
2550
2600
2650
2700
2750
2800

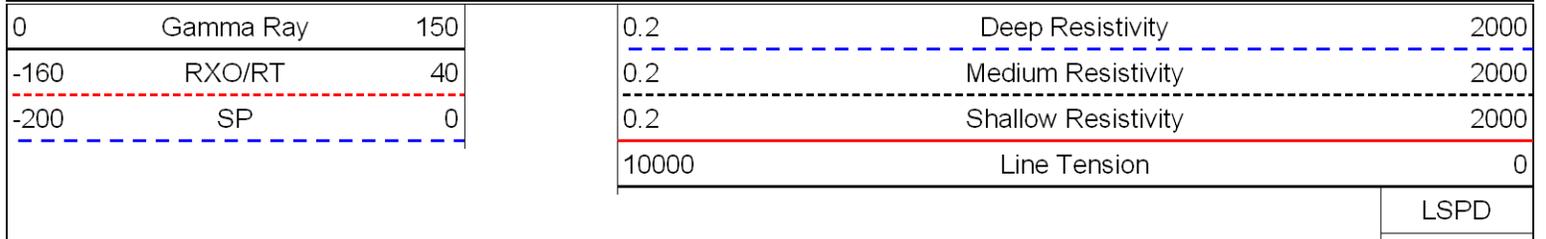


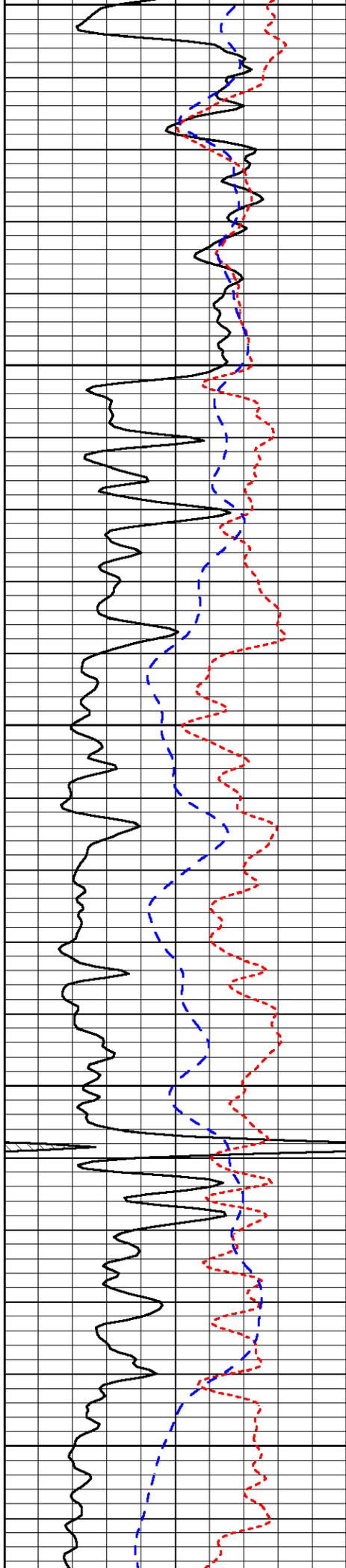
-76
-76
-74
-74
-75
-75
-74
-51
-31
-31
-31





Database File: pnrhd.db
 Dataset Pathname: dil/pnrstk
 Presentation Format: dil
 Dataset Creation: Fri Dec 10 17:00:38 2010
 Charted by: Depth in Feet scaled 1:240





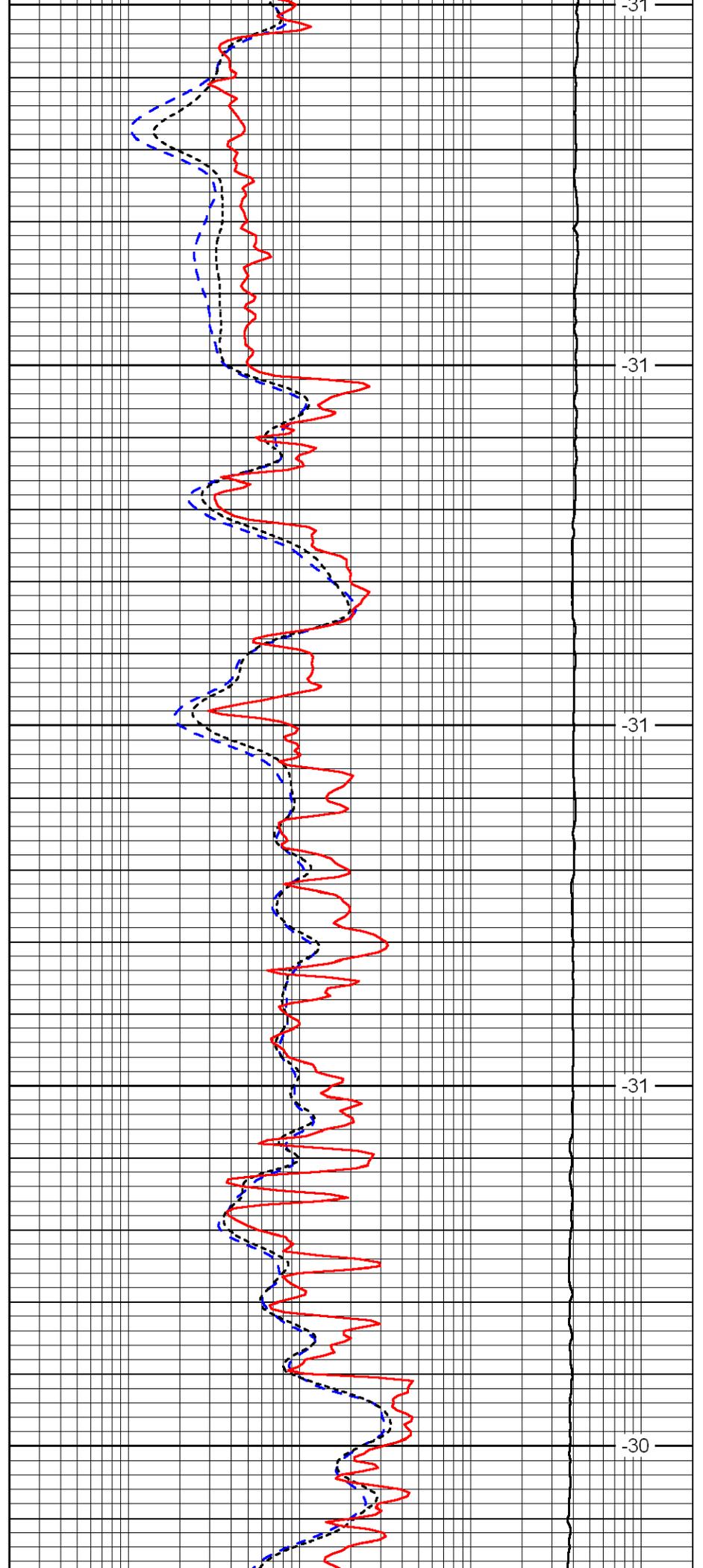
2700

2750

2800

2850

2900



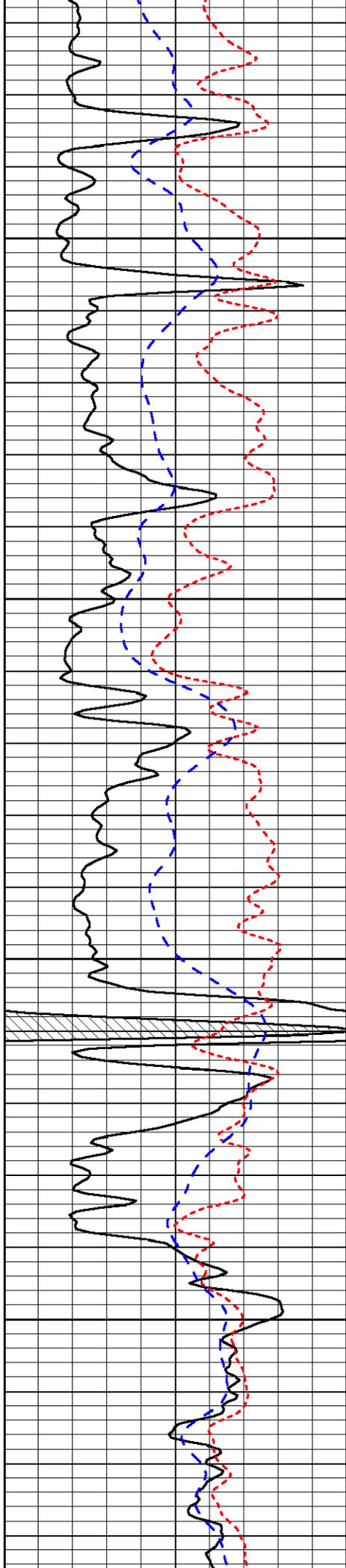
-31

-31

-31

-31

-30

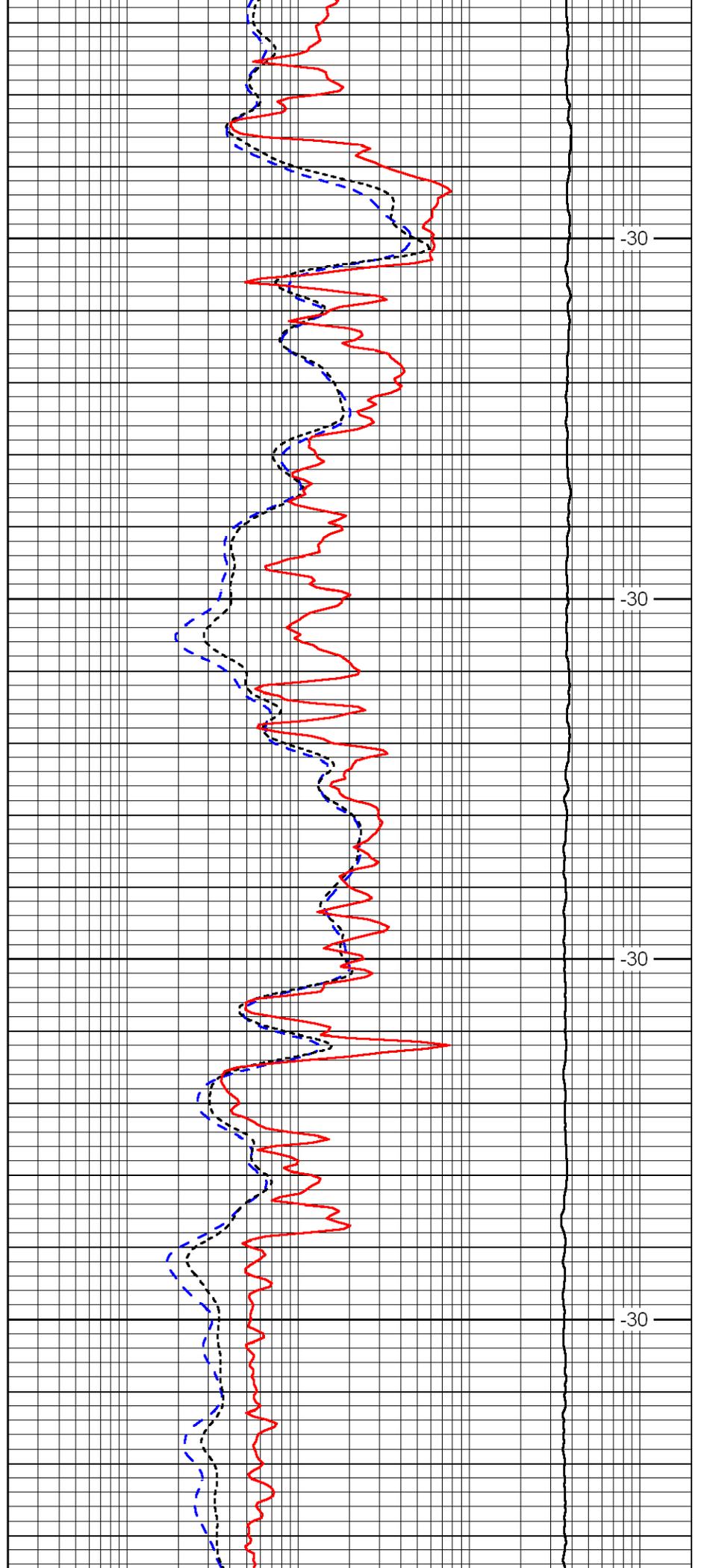


2950

3000

3050

3100

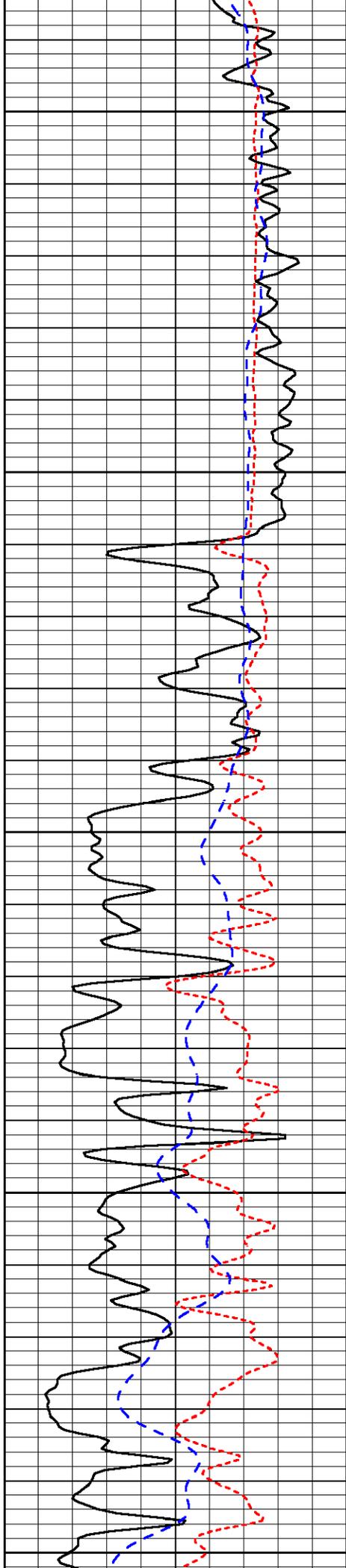


-30

-30

-30

-30



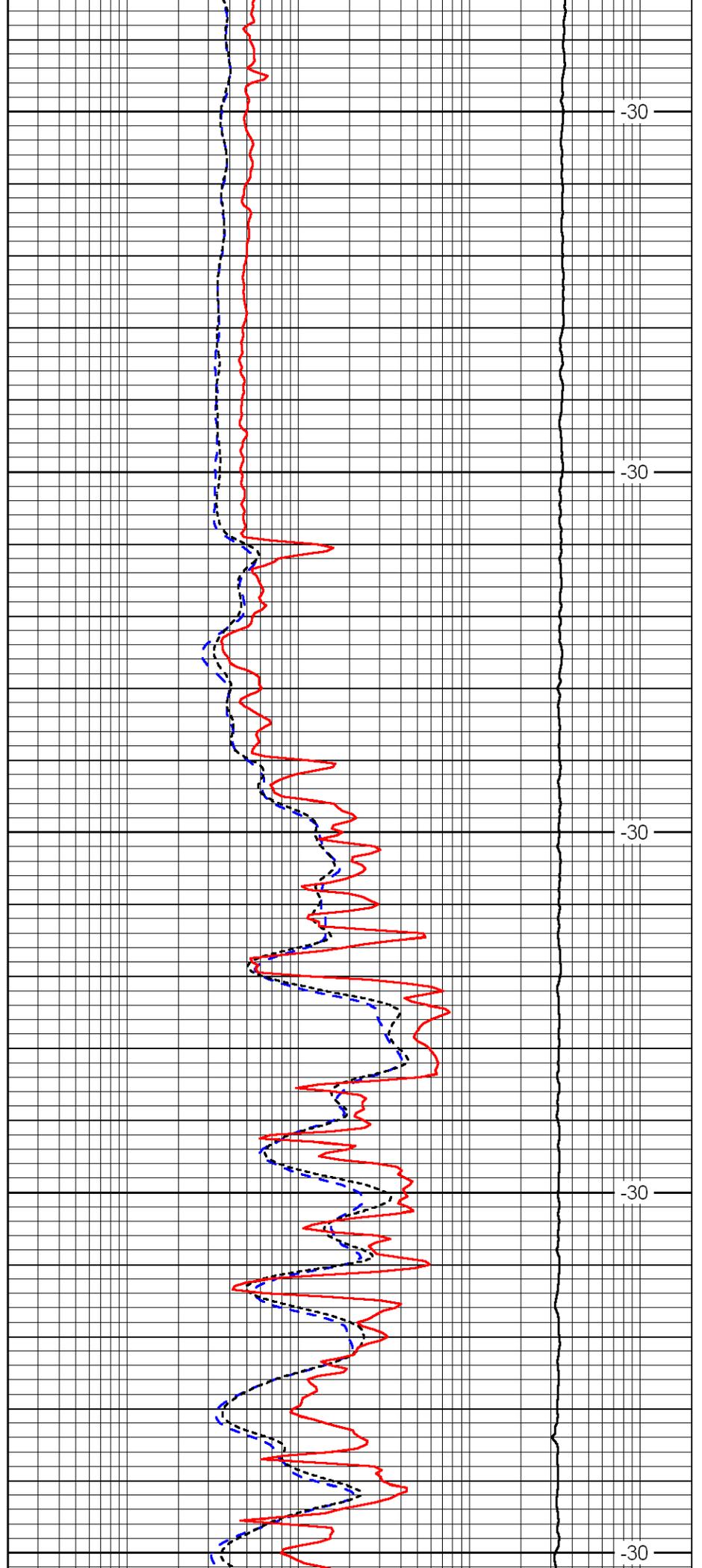
3150

3200

3250

3300

3350



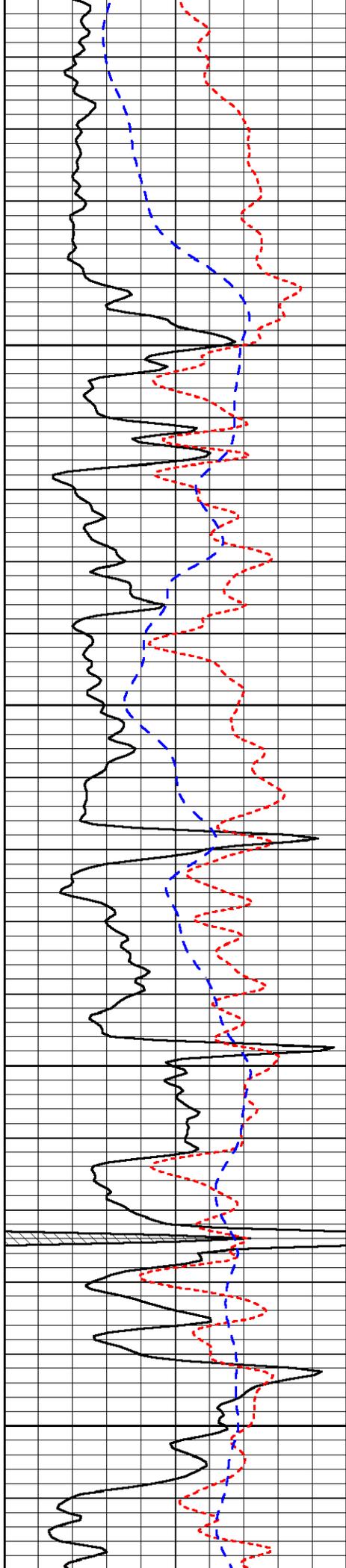
-30

-30

-30

-30

-30

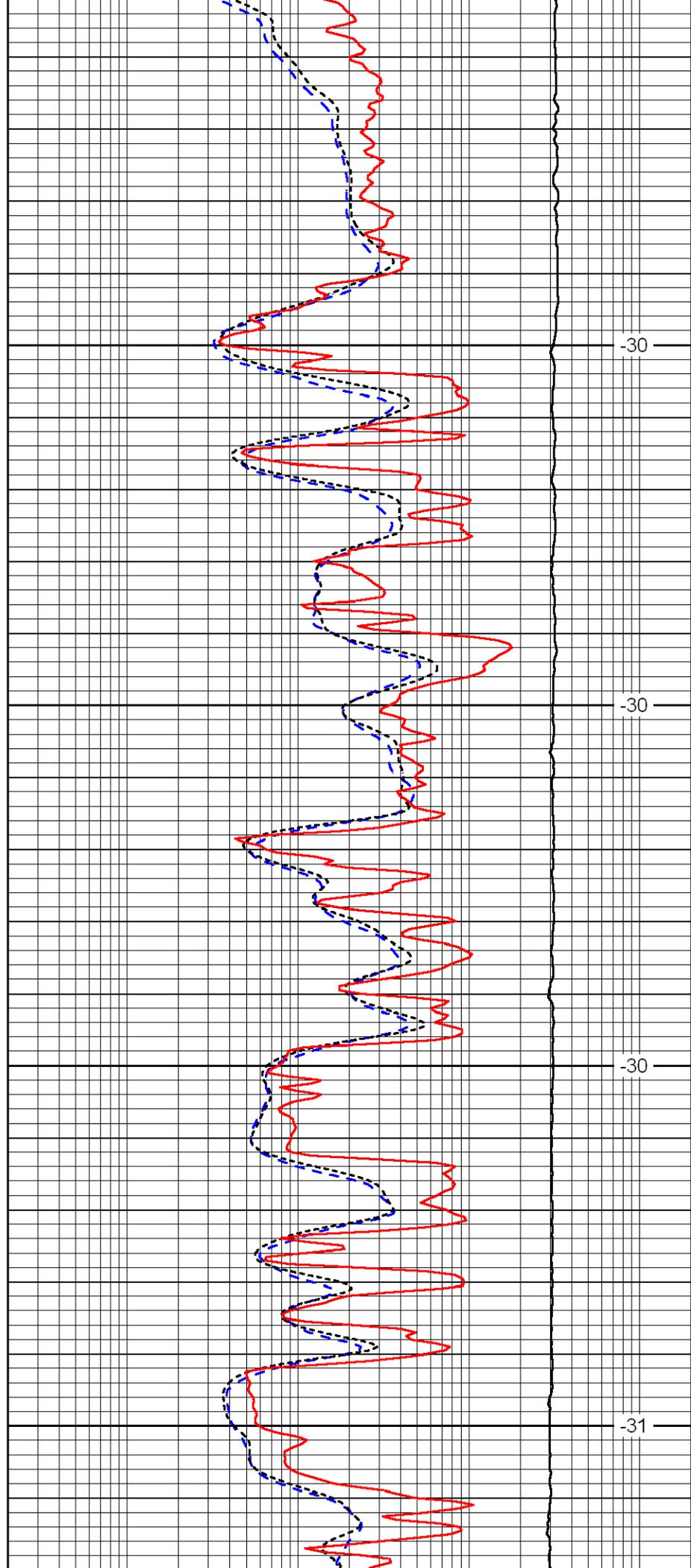


3400

3450

3500

3550

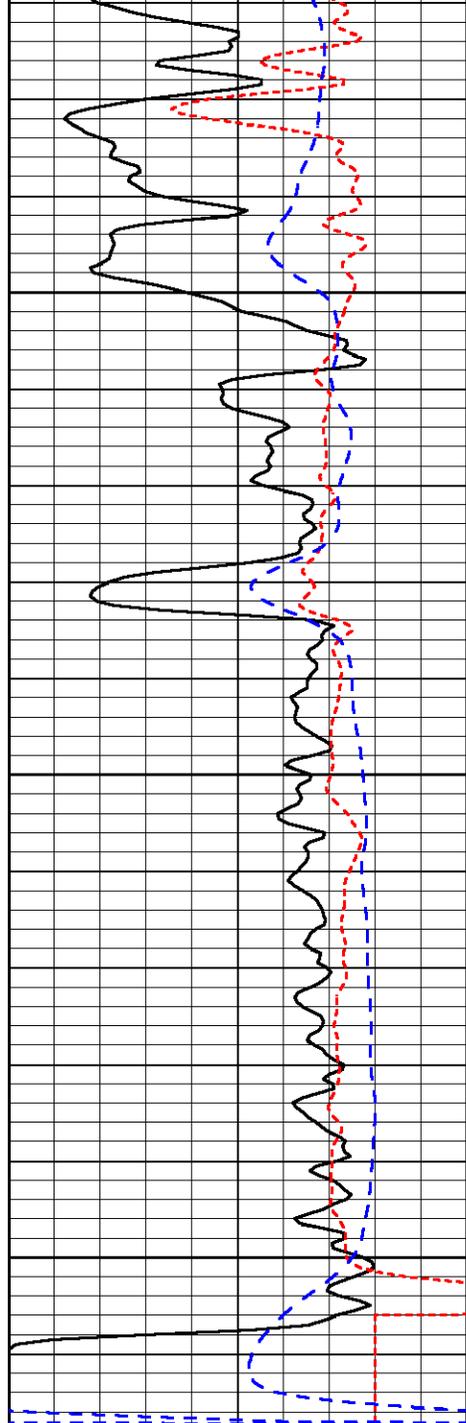


-30

-30

-30

-31

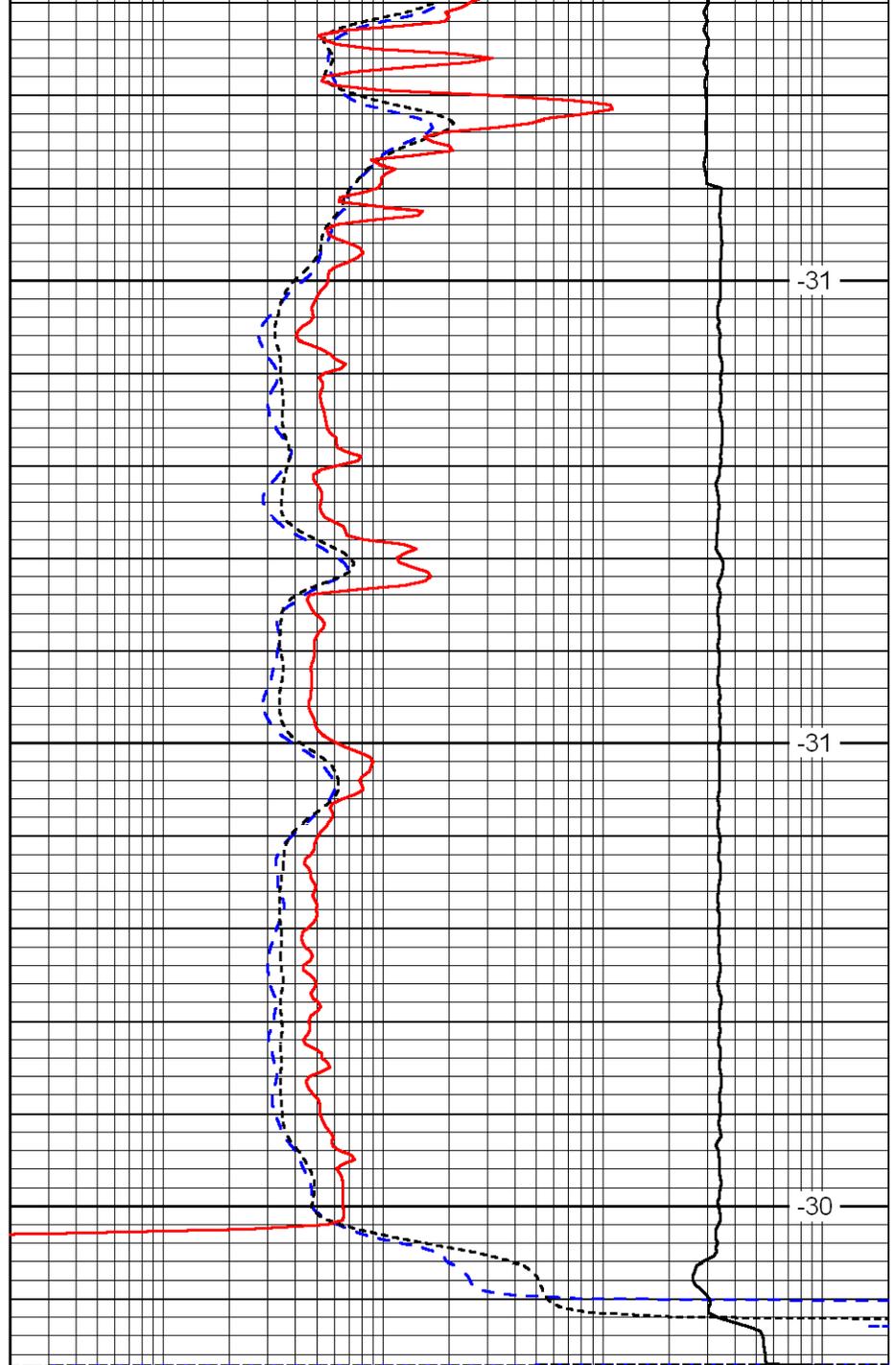


0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

3600

3650

3700



-31

-31

-30

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

LSPD