



DIGITAL LOG (785) 625-3858

Dual Induction Log

API No.	15-101-22,248-00-00	
Company	Larson Engineering, Inc.	
Well	Cairns No.1-21	
Field	Wildcat	
County	Lane	State Kansas
Location	NE NE NW 330' FNL & 2310' FEL	
Sec: 21	Twp: 17S	Rge: 28W
Other Services	CNL/CDL MEL	
Elevation	K.B. 2765 D.F. 2758 G.L. 2758	

Permanent Datum	Ground Level	8/22/2010
Log Measured From	Kelly Bushing	
Drilling Measured From	Kelly Bushing	
Run Number	One	
Depth Driller	4625	
Depth Logger	4624	
Bottom Logged Interval	4623	
Top Log Interval	250	
Casing Driller	8.625 @ 256	
Casing Logger	253	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity,ppm CL	1,900	
Density / Viscosity	9.4 52	
pH / Fluid Loss	10.0 8.0	
Source of Sample	Flowline	
Rm @ Meas. Temp	1.7 @ 83	
Rmf @ Meas. Temp	1.28 @ 83	
Rmc @ Meas. Temp	2.30 @ 83	
Source of Rmf / Rmc	Charts	
Rm @ BHT	1.15 @ 122	
Operating Rig Time	4 Hours	
Max Rec. Temp. F	122	
Equipment Number	15	
Location	Hays	
Recorded By	C. Desaire	
Witnessed By	Bob Lewellyn	

<<< 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
 Dighton, 5 N to 200 Rd,
 1 E, 1 N, 1 1/2 E Into

Database File: c:\warrior\data\larson_cairns no.1-21\lrsnhd.db
 Dataset Pathname: dil/lrsnstk
 Presentation Format: dil2in
 Dataset Creation: Mon Aug 23 00:58:33 2010
 Charted by: Depth in Feet scaled 1:600

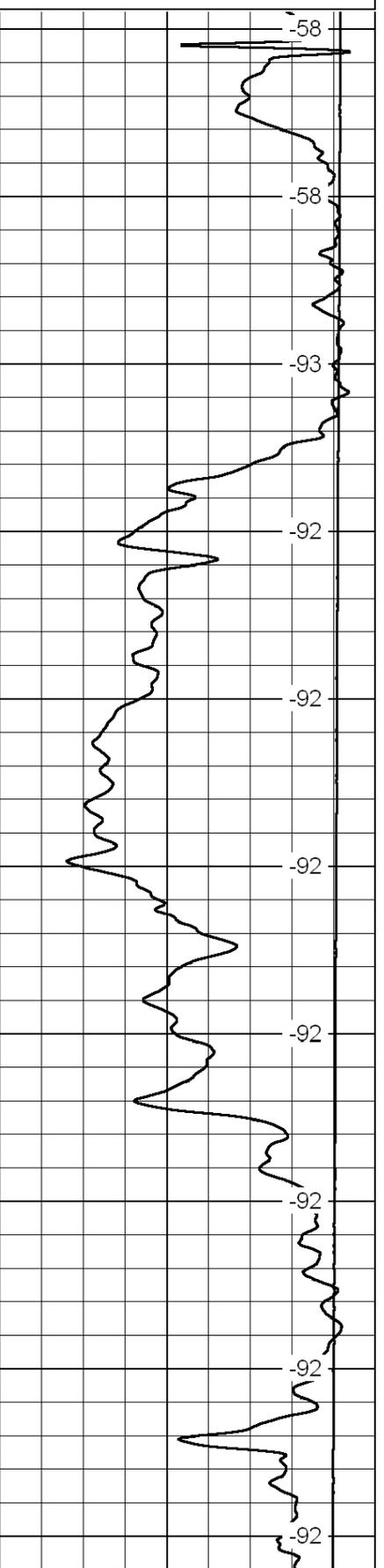
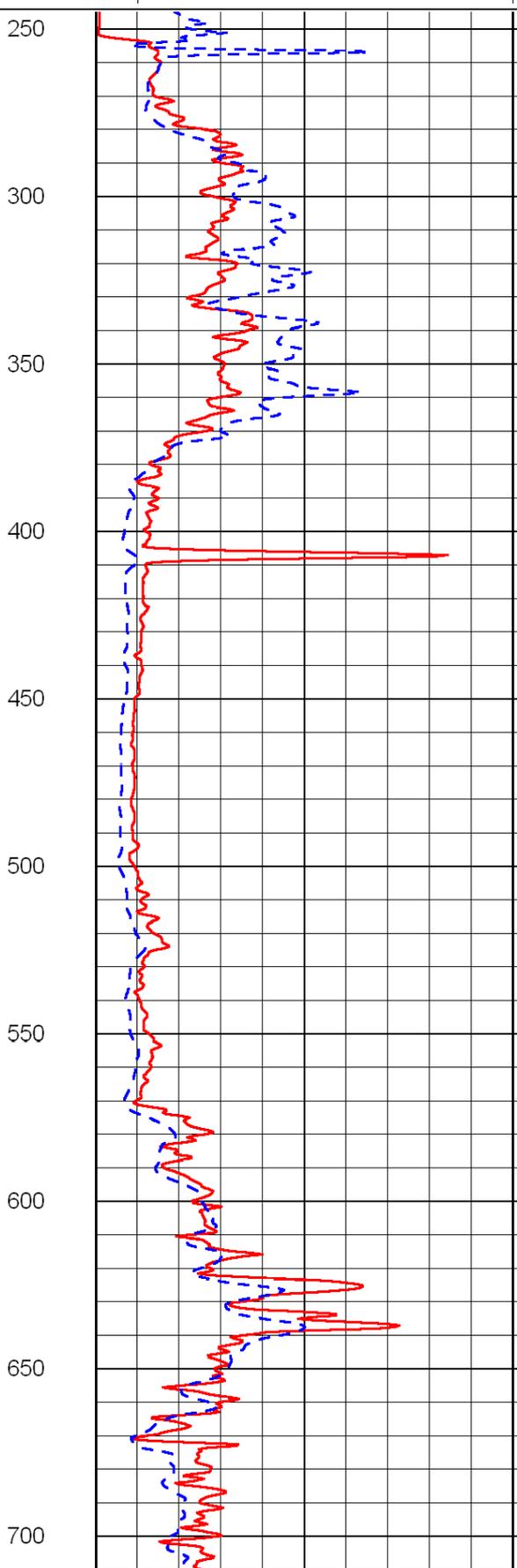
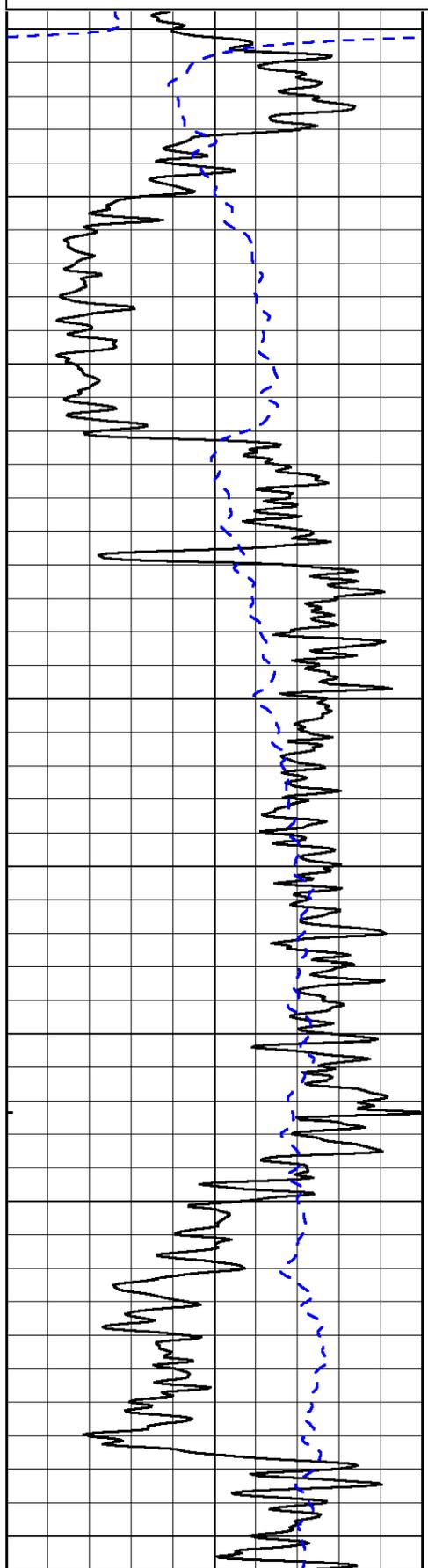
0	Gamma Ray	150
-200	SP (mV)	0

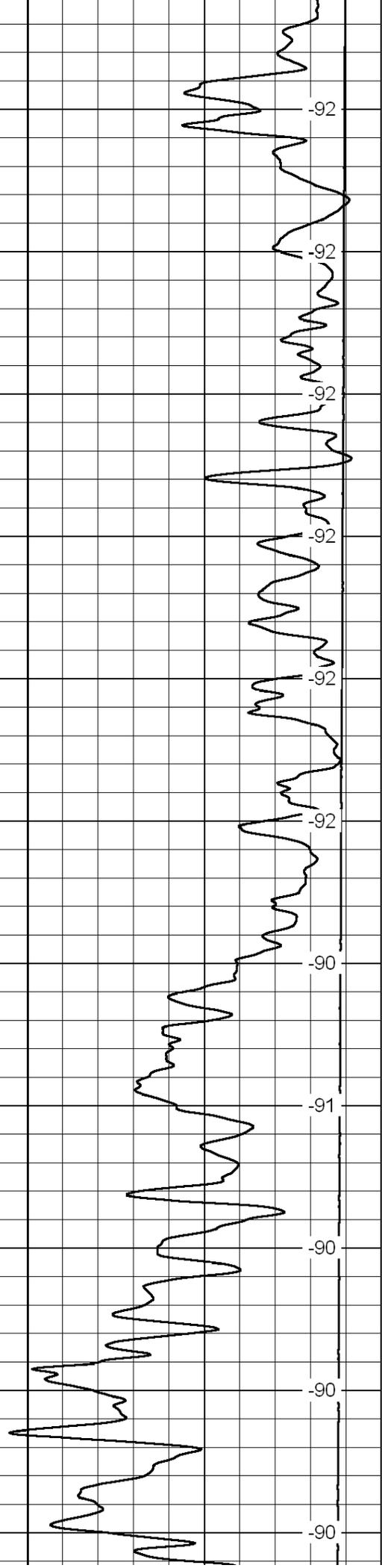
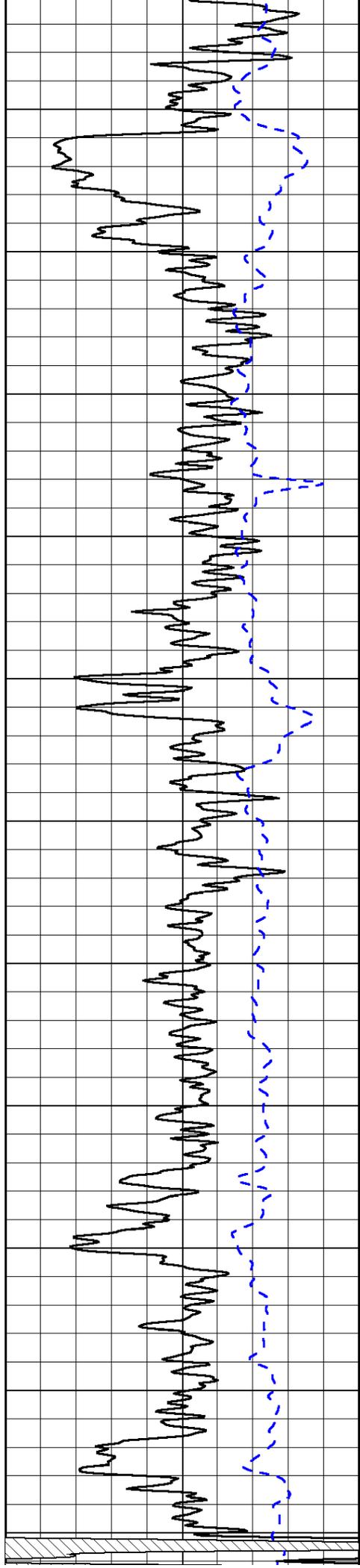
0	Shallow Resistivity	50
0	Deep Resistivity	50

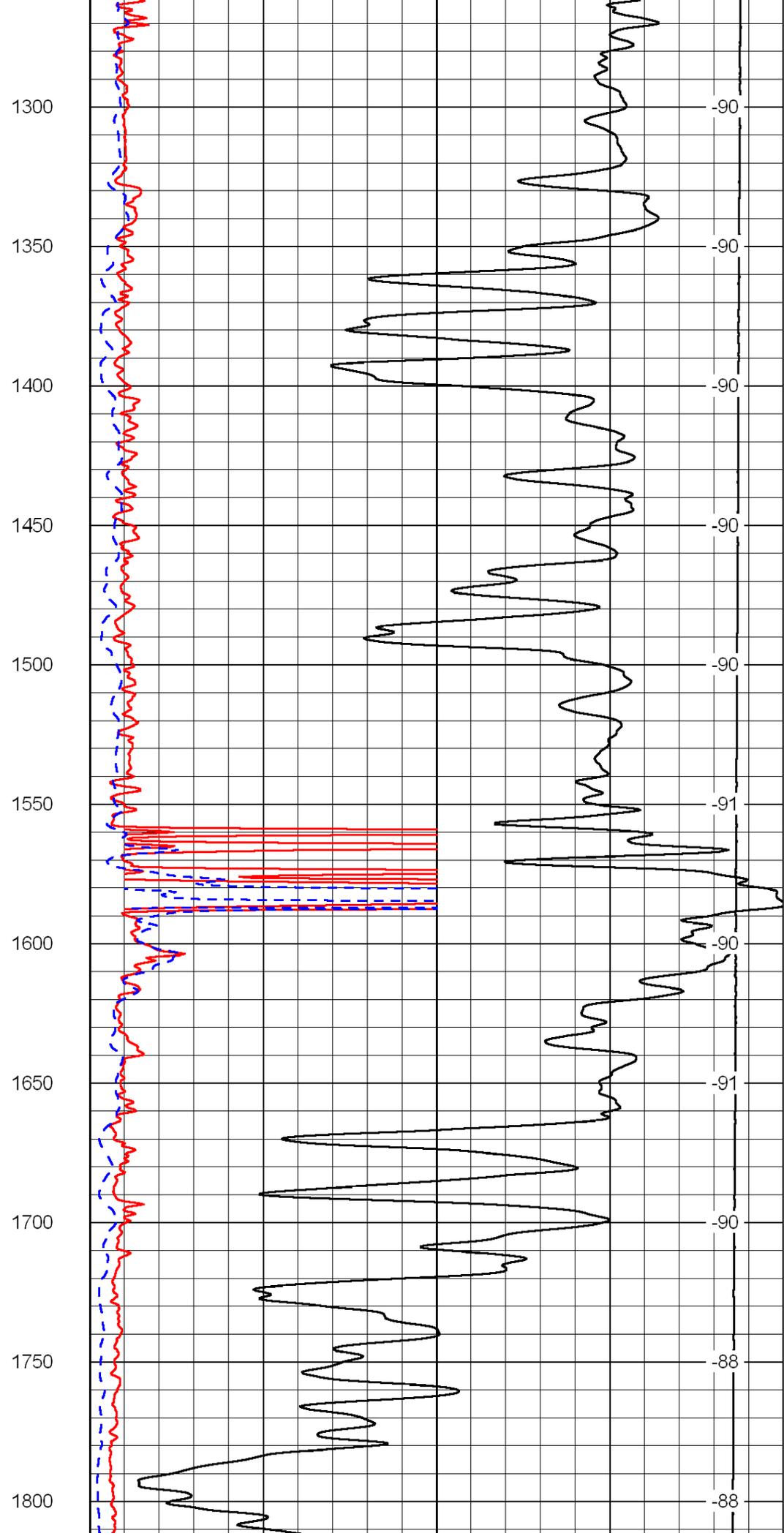
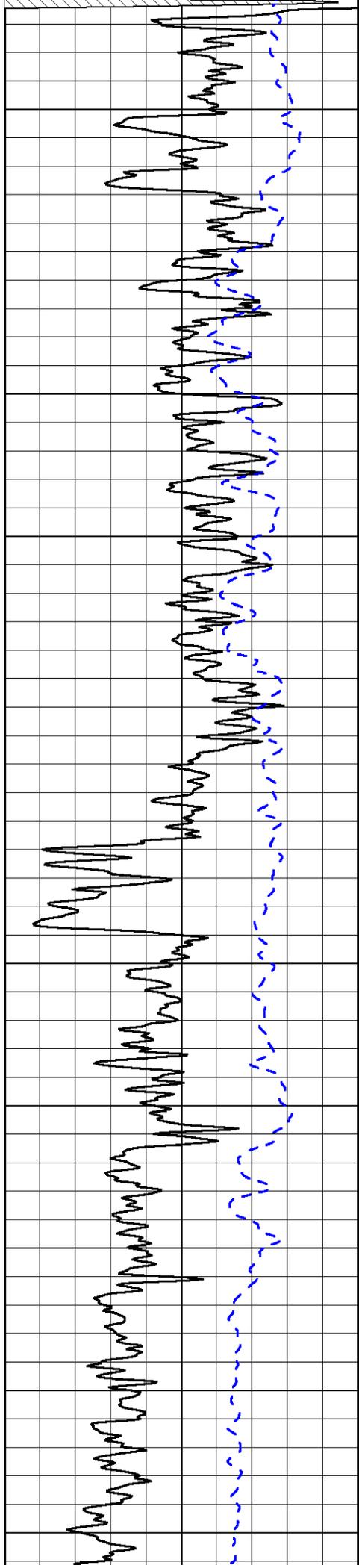
LSPD

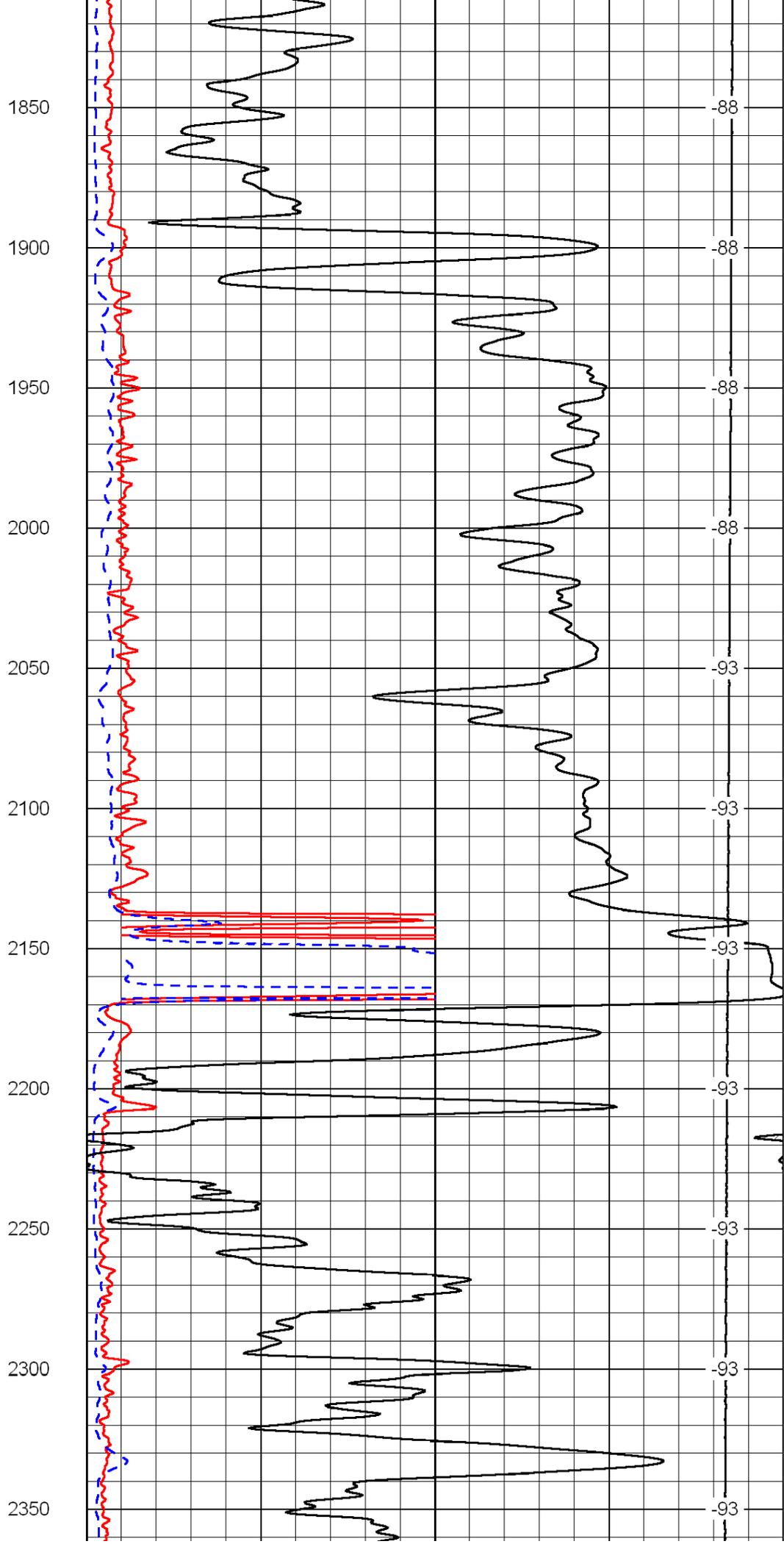
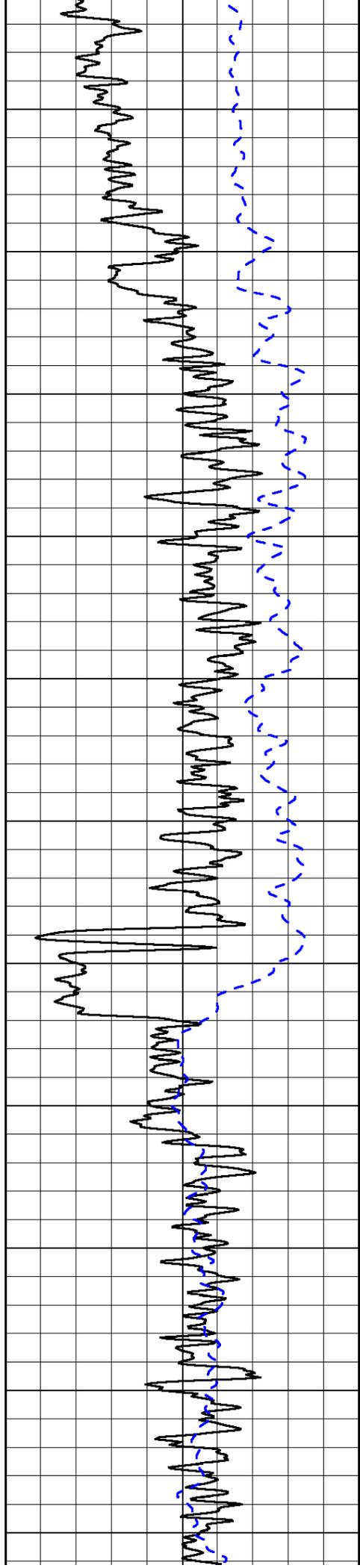
1000	Conductivity	0
15000	Line Tension	0

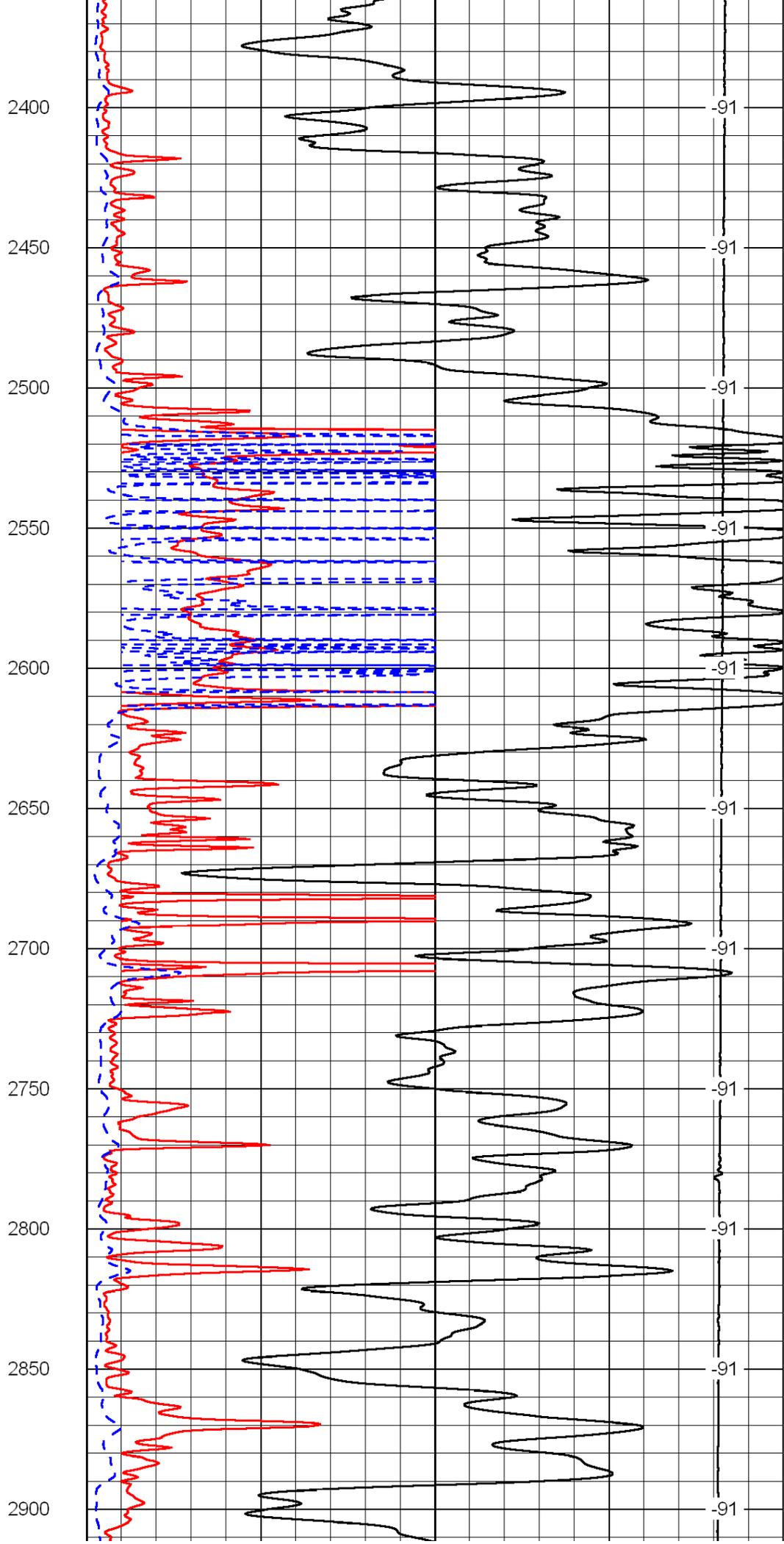
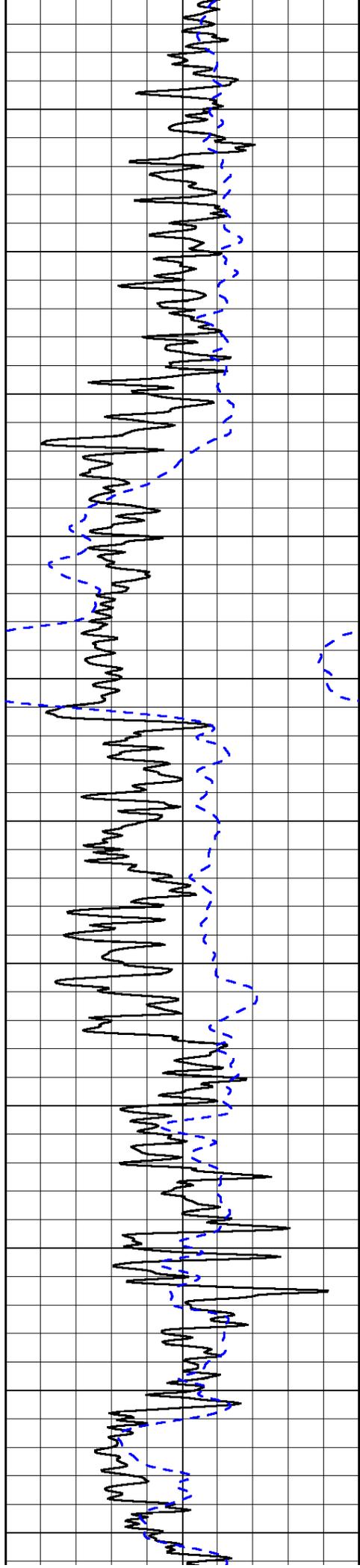
50	Shallow Resistivity	500
50	Deep Resistivity	500

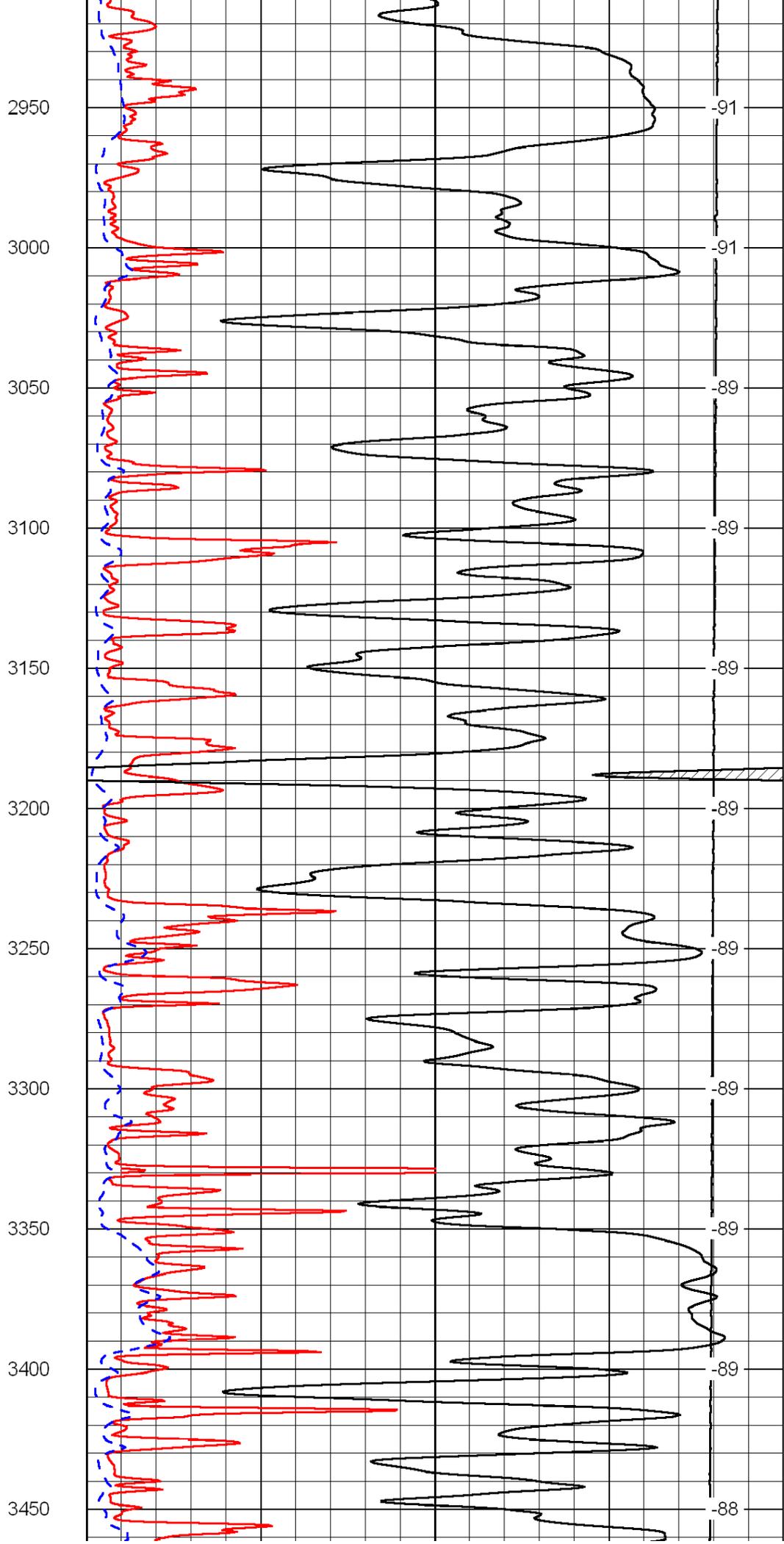
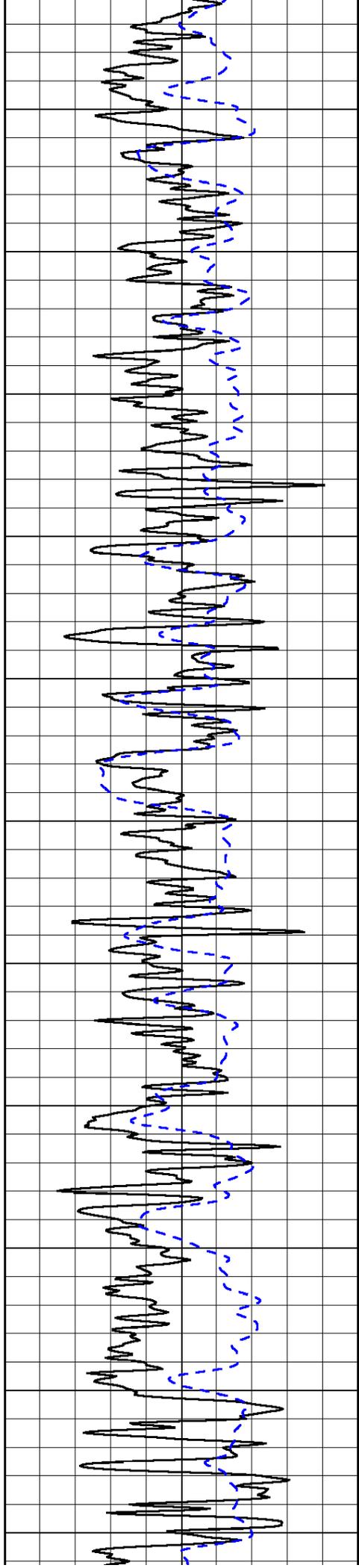


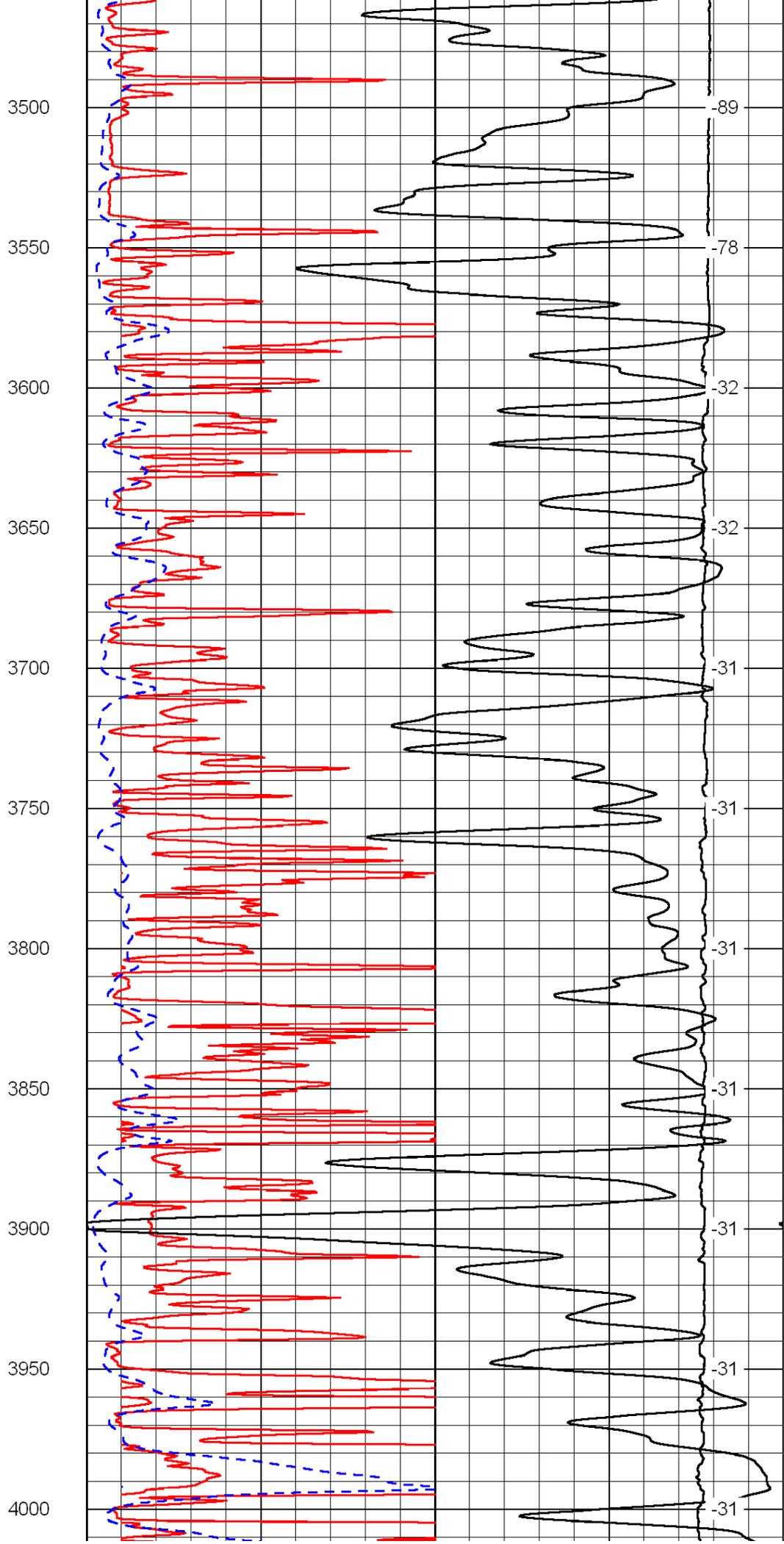
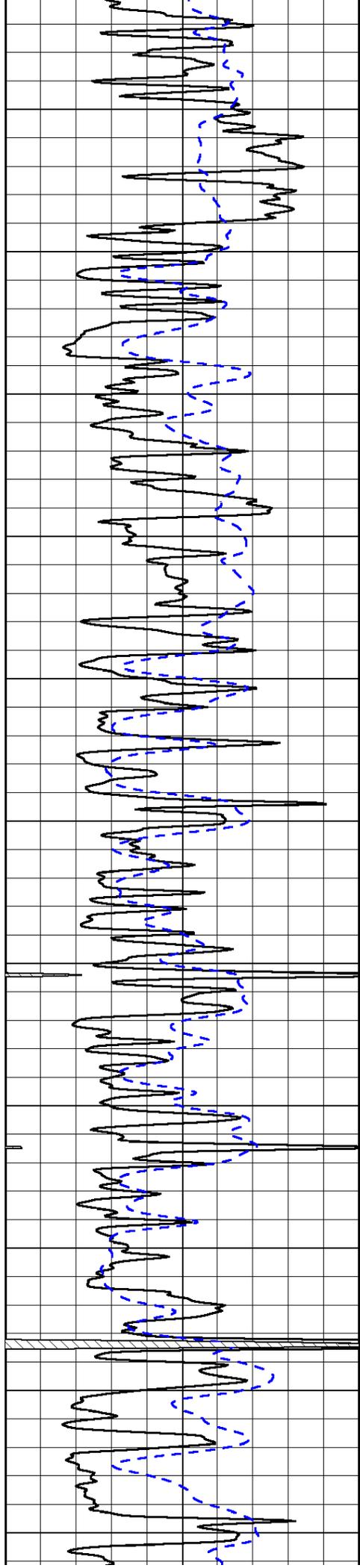


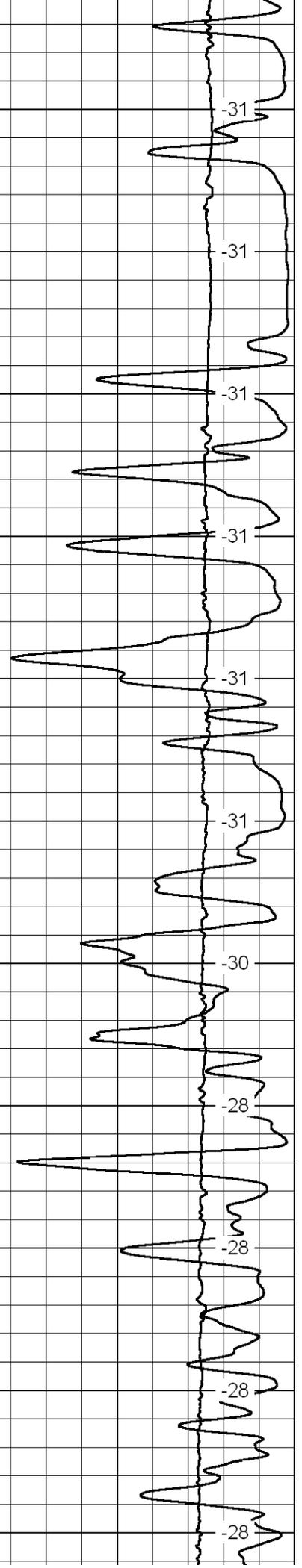
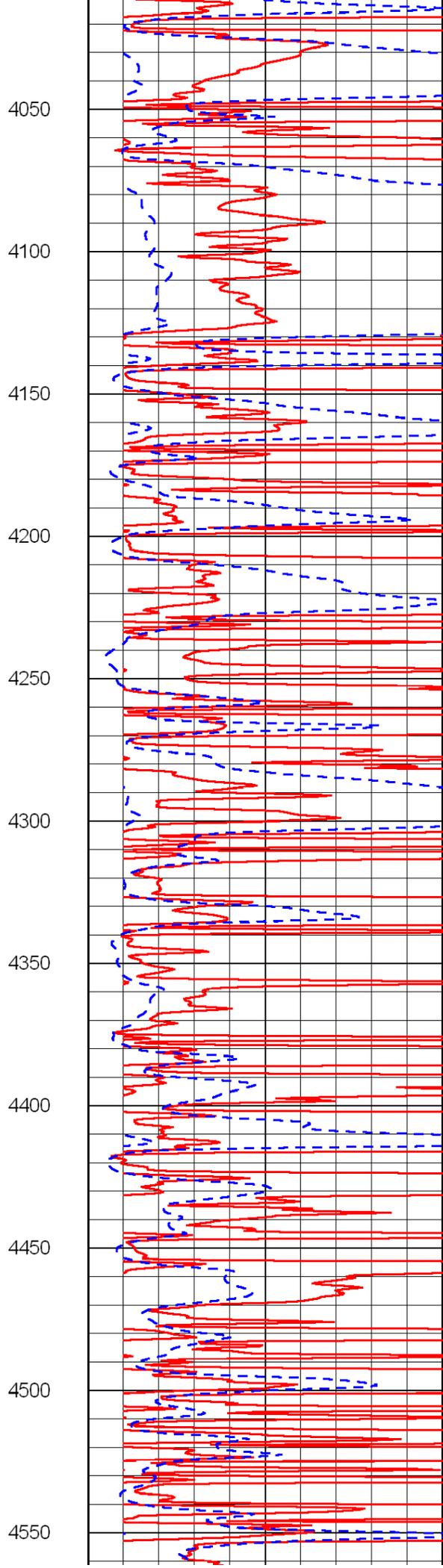
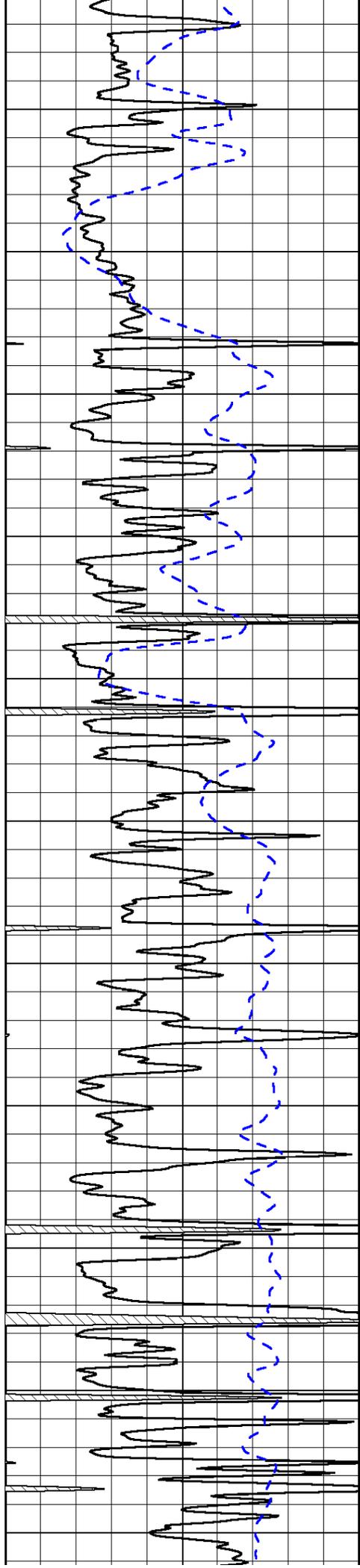


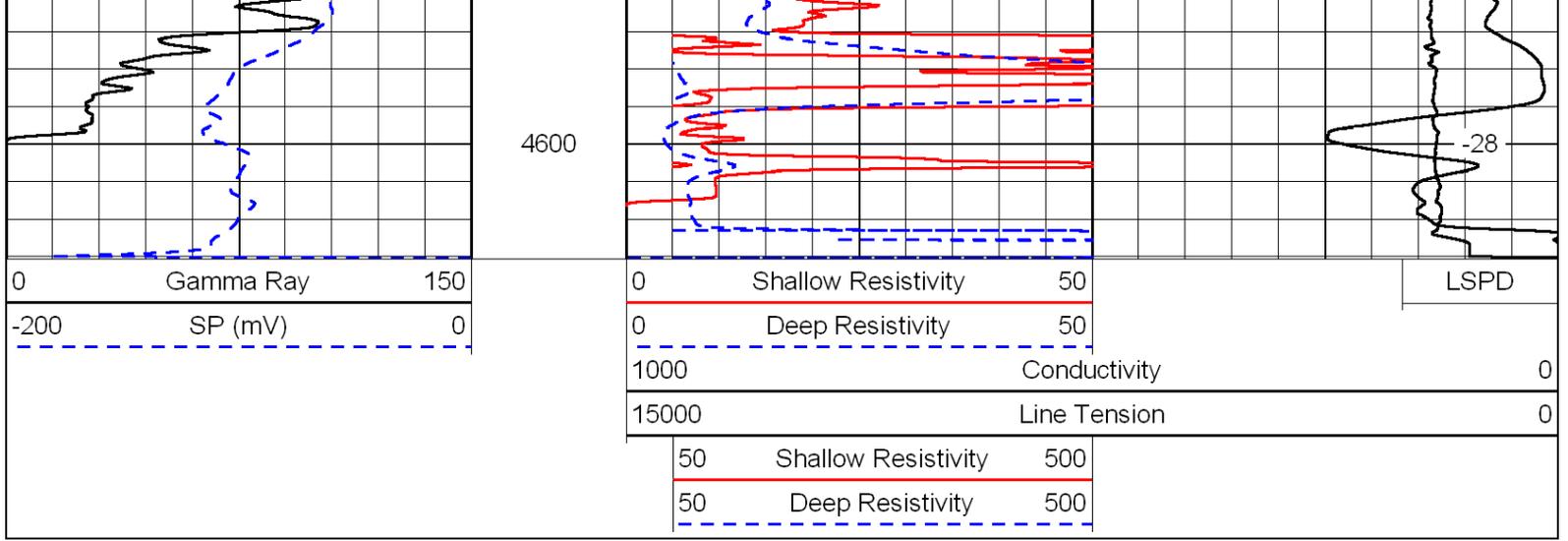




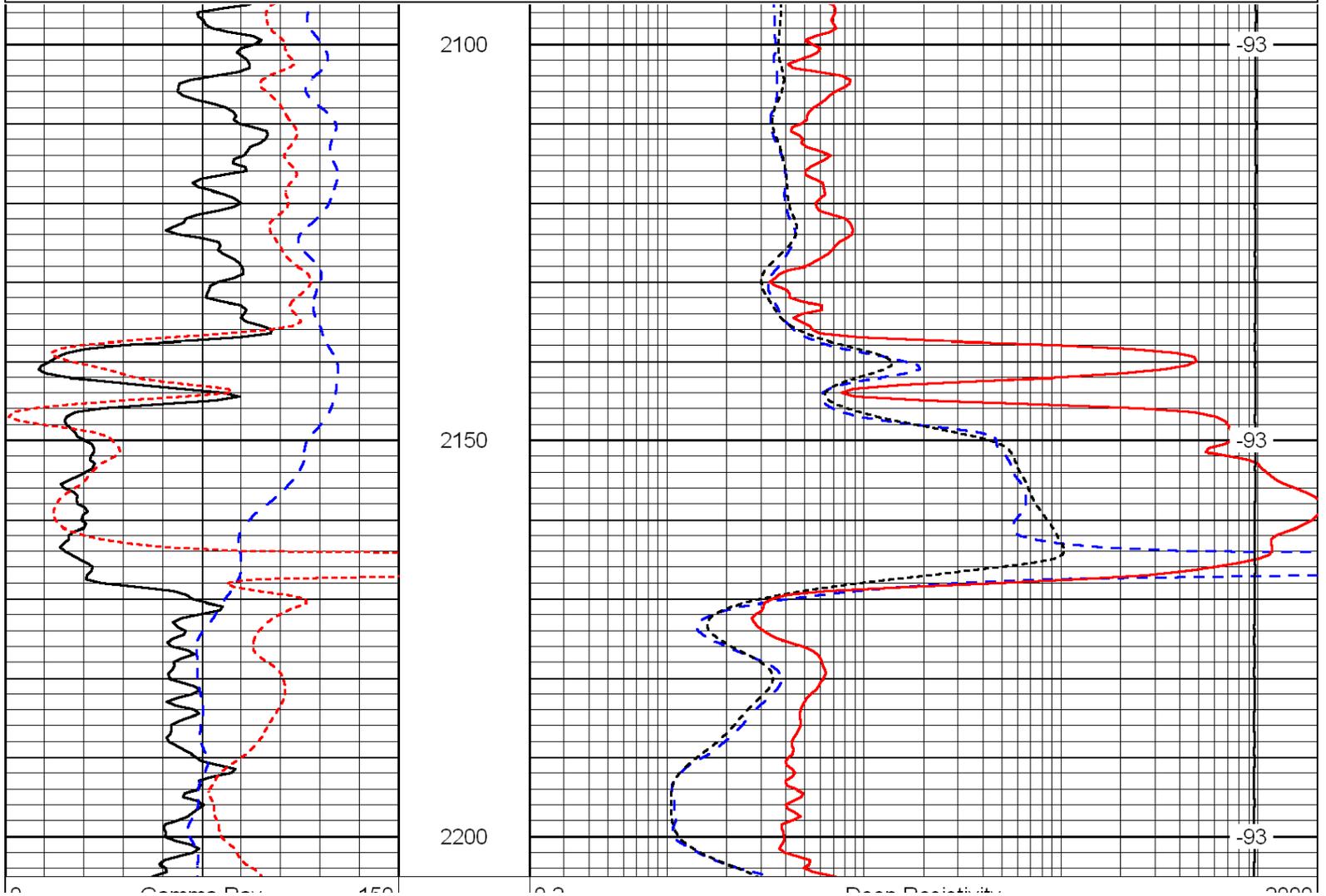
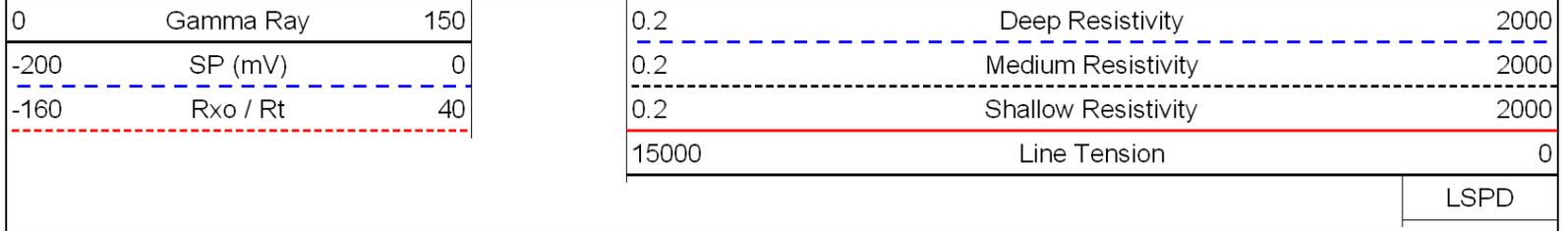








Database File: c:\warrior\data\larsen_cairns no.1-21\lrsnhd.db
 Dataset Pathname: dil/lrsnstk
 Presentation Format: dil
 Dataset Creation: Mon Aug 23 00:58:33 2010
 Charted by: Depth in Feet scaled 1:240



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

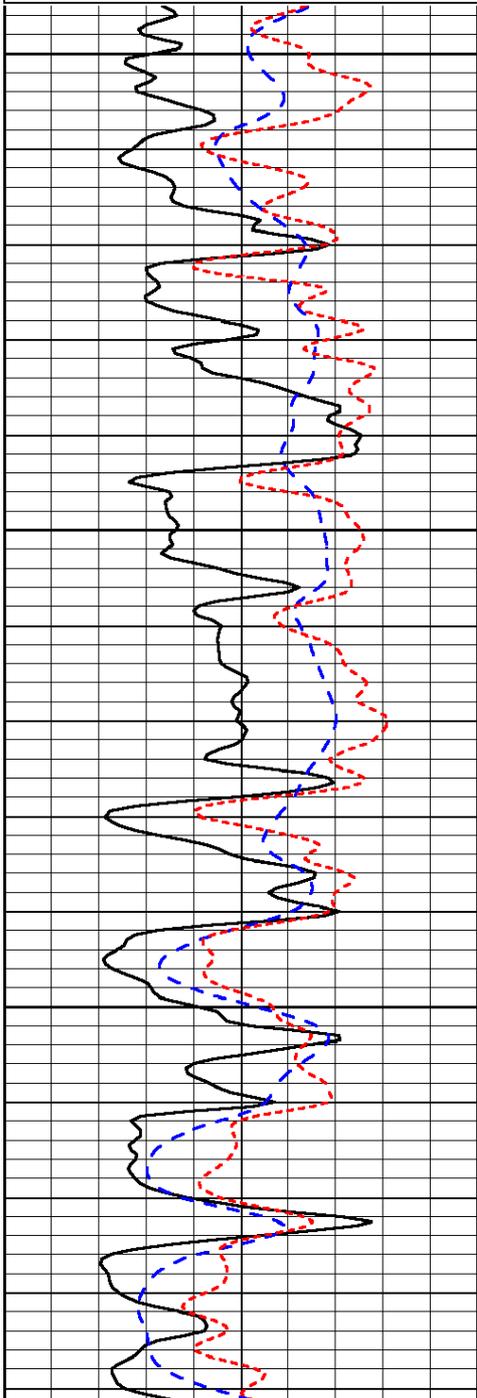
LSPD

Database File: c:\warrior\data\larsen_cairns no.1-21\lrsnhd.db
 Dataset Pathname: dil/lrsnstk
 Presentation Format: dil
 Dataset Creation: Mon Aug 23 00:58:33 2010
 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

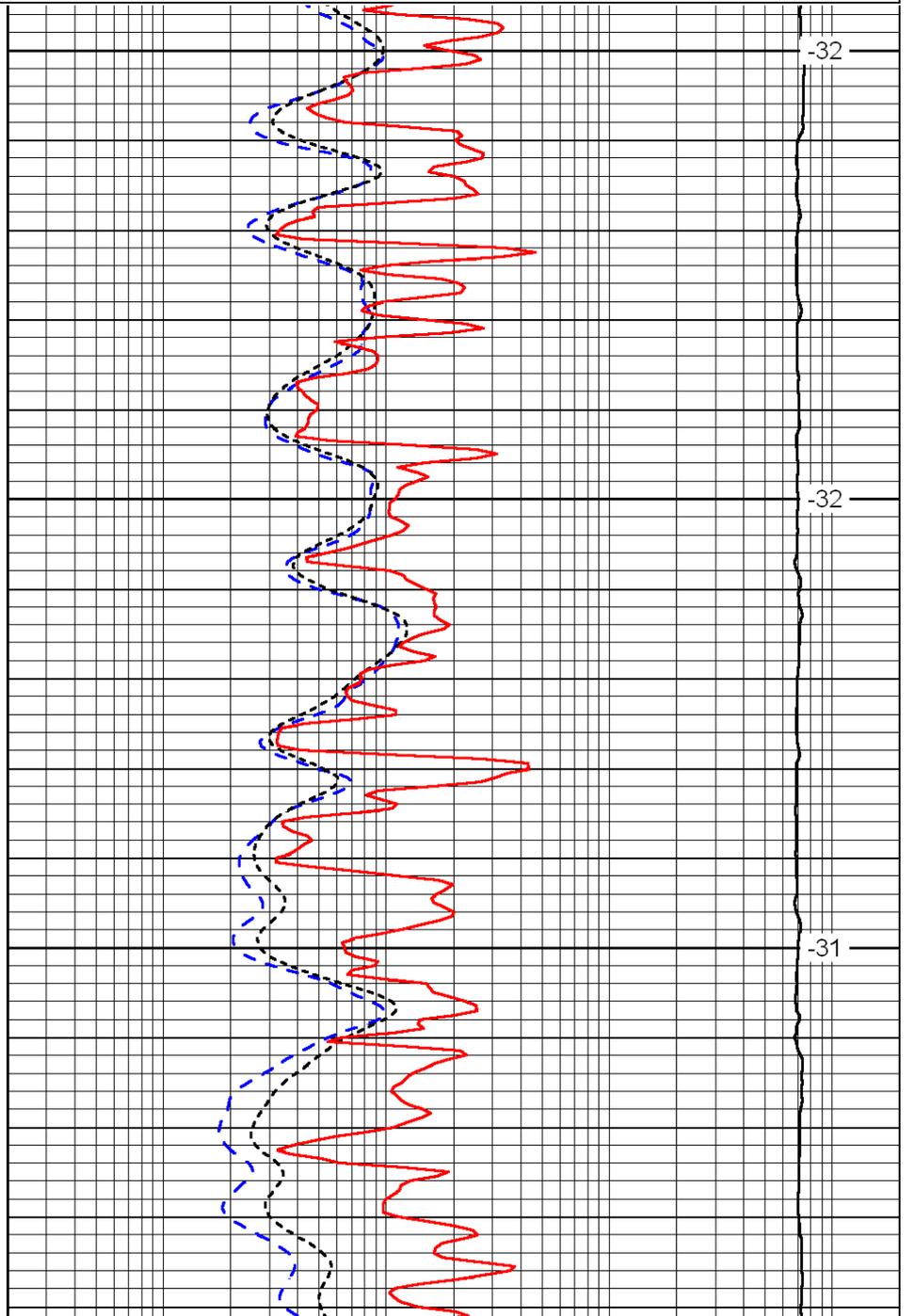
LSPD



3600

3650

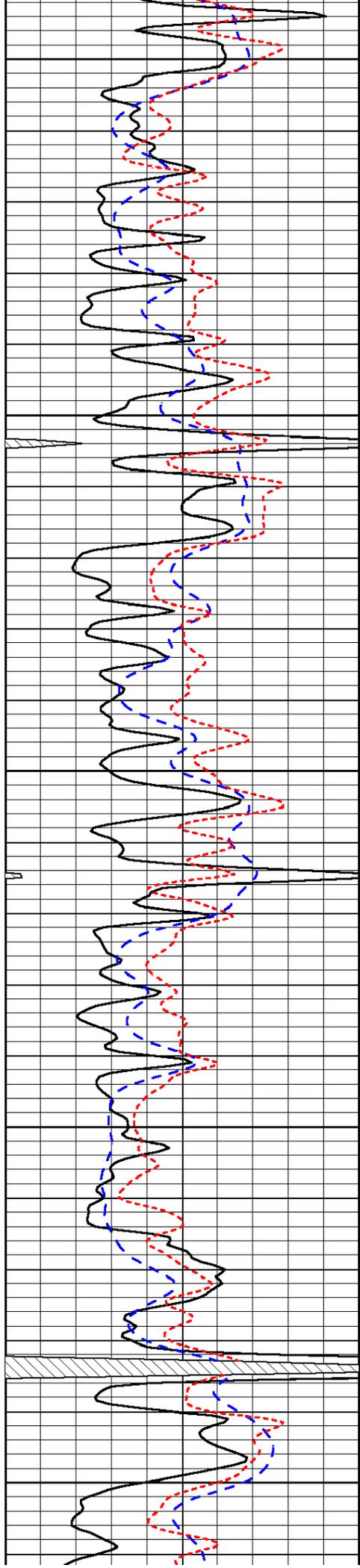
3700



-32

-32

-31



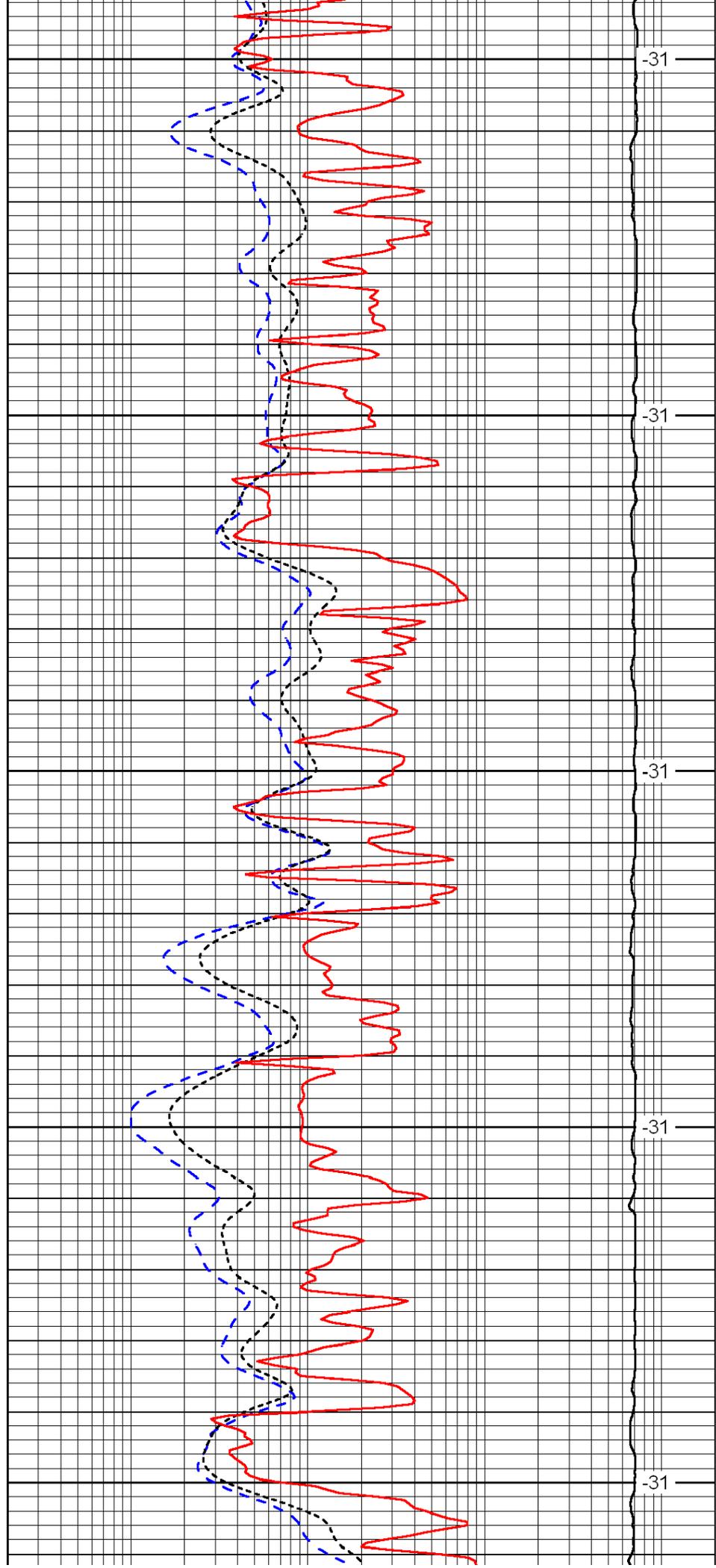
3750

3800

3850

3900

3950



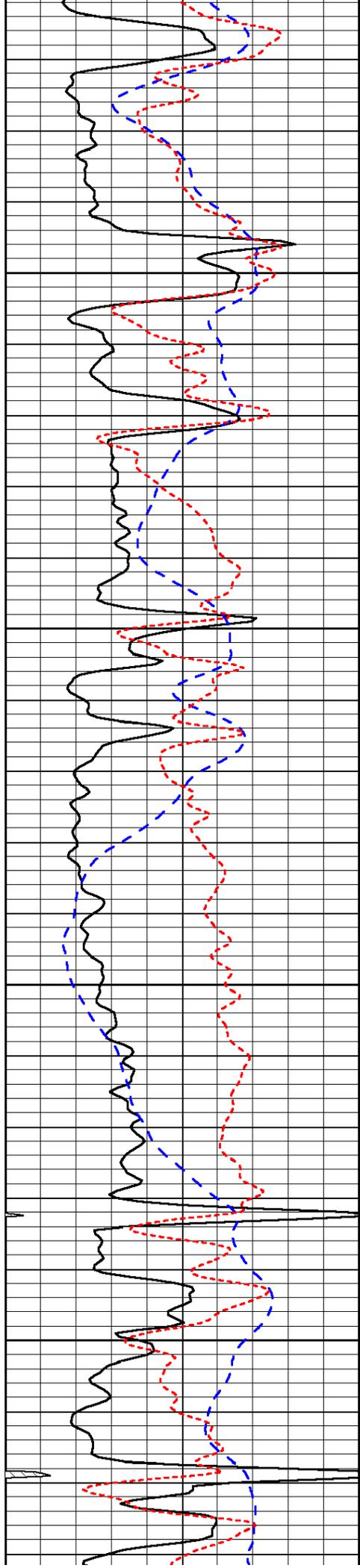
-31

-31

-31

-31

-31

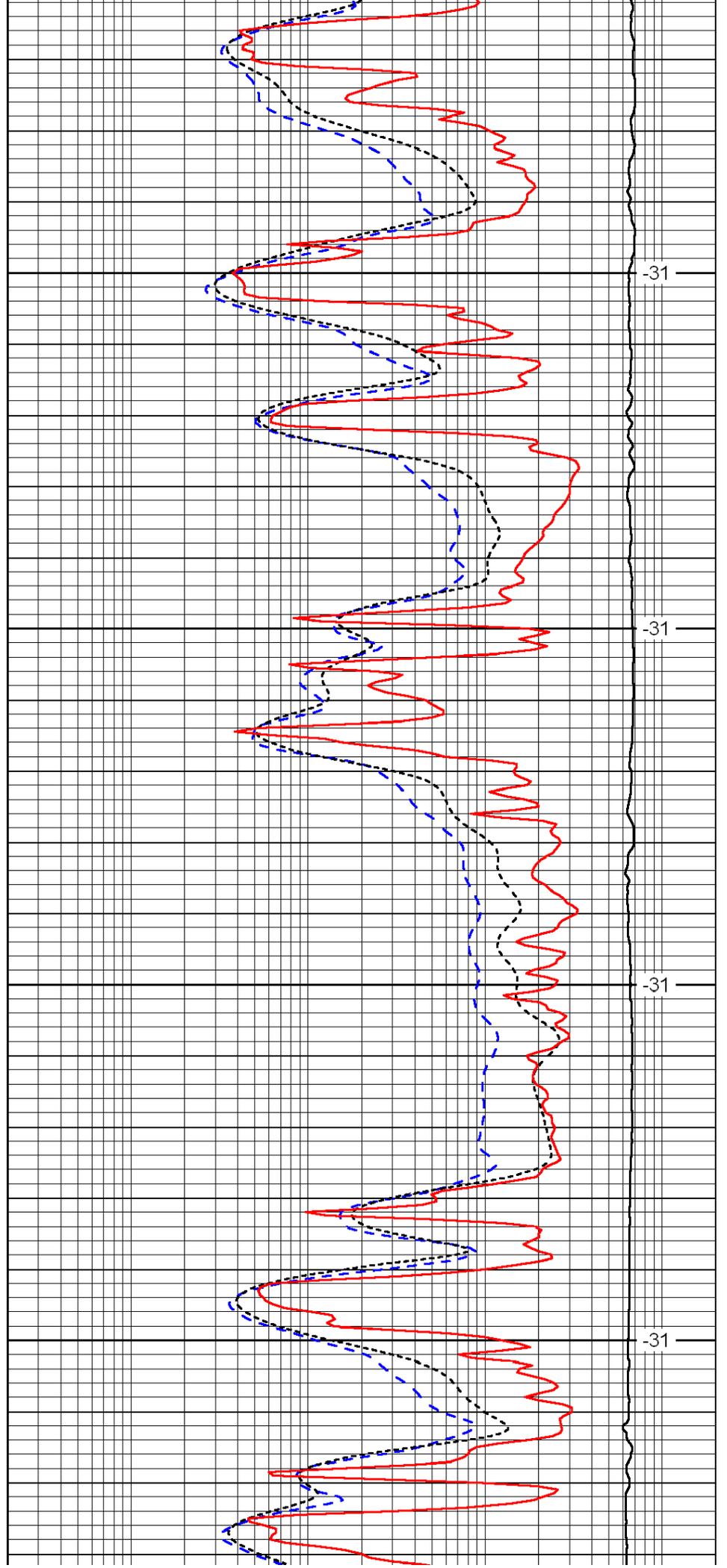


4000

4050

4100

4150

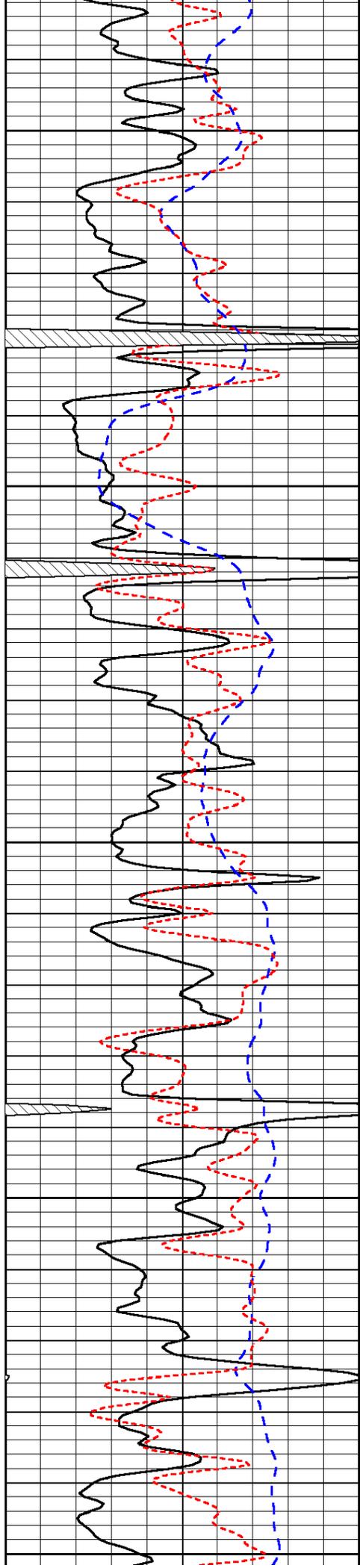


-31

-31

-31

-31



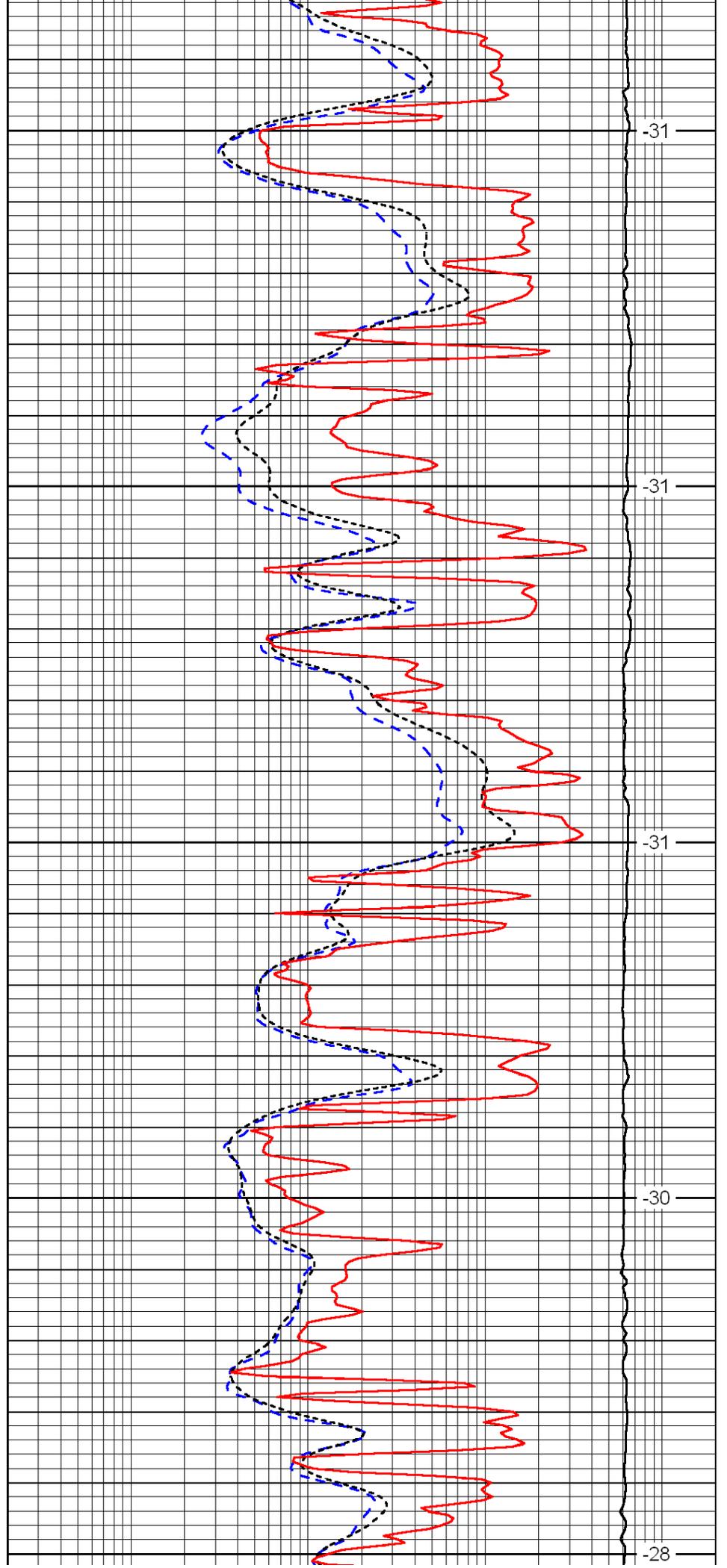
4200

4250

4300

4350

4400



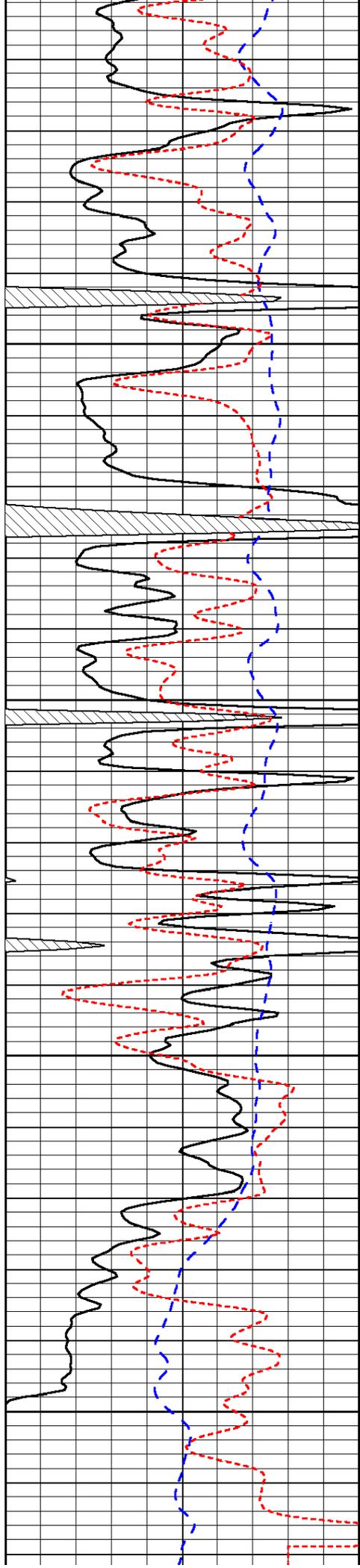
-31

-31

-31

-30

-28

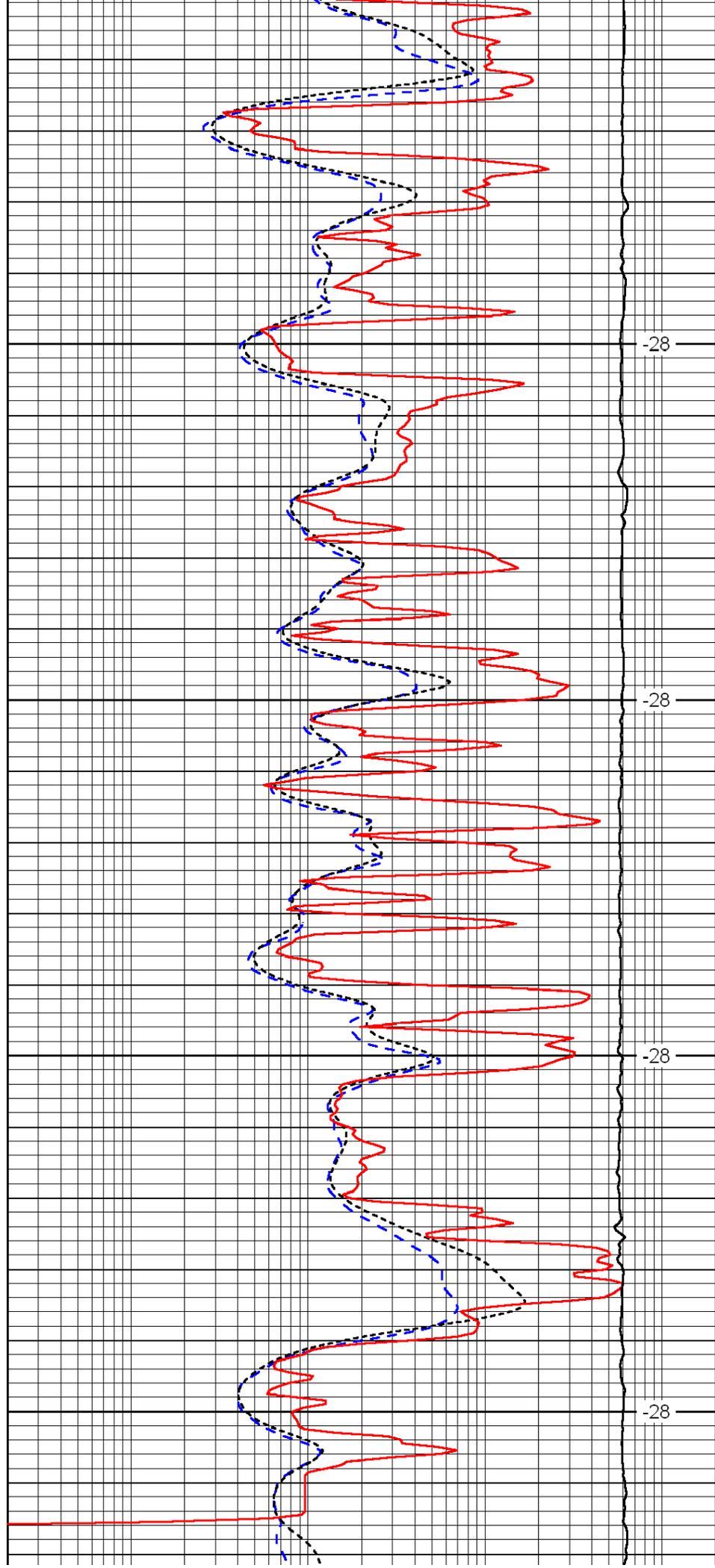


4450

4500

4550

4600

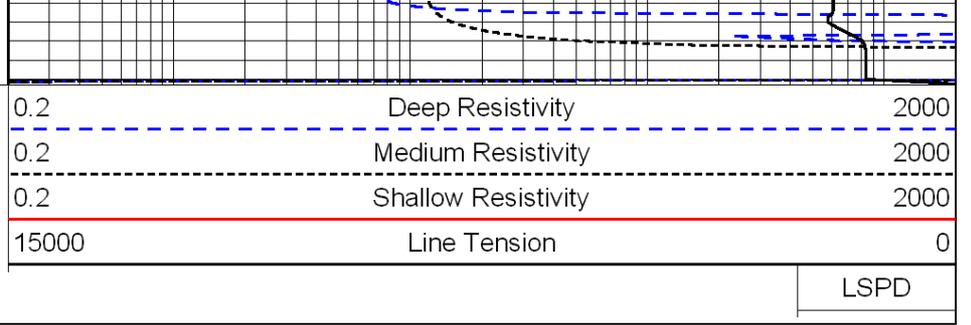
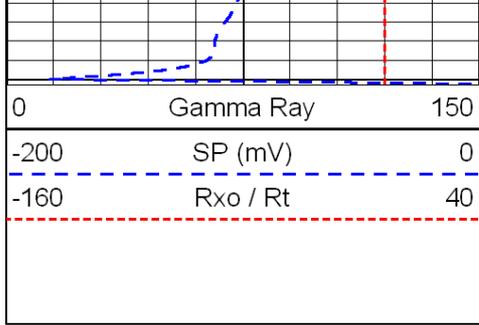


-28

-28

-28

-28



LSPD