



Pioneer Energy Services

Dual Induction Log

API No.

15-065-24,075-00-00

Company Chisholm Partners II, LLC

Well Parks No.7-1

Field J.A.B West

County Graham

State

Kansas

Location

1980' FSL & 1980' FWL

Other Services
CNL/CDL
MEL/BHCS

Sec: 7

Twp: 7S

Rge: 23W

Elevation

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

Elevation 2469
K.B. 2477
D.F. 2469
G.L. 2469

Date 12/4/2014

Run Number One

Depth Driller 4000

Depth Logger 3997

Bottom Logged Interval 3996

Top Log Interval 300

Casing Driller 8.625 @ 305

Casing Logger 304

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 1.800

Density / Viscosity 9.3 48

pH / Fluid Loss 10.0 7.4

Source of Sample Flowline

Rm @ Meas. Temp 1.6 @ 65

Rmf @ Meas. Temp 1.2 @ 65

Rmc @ Meas. Temp 2.16 @ 65

Source of Rmf / Rmc Charts

Rm @ BHT .9 @ 116

Operating Rig Time 4 Hours

Max Rec. Temp. F 116

Equipment Number 51

Location Hays

Recorded By C. Desaire

Witnessed By Jeff Lawler

<<< 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

Hill City KS, W to 240th Rd, 6 N to W Rd,
1 1/2 W, N Into

Database File: cphd.db
Dataset Pathname: dil/cpstk
Presentation Format: dil2in
Dataset Creation: Thu Dec 04 16:58:43 2014
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
-200	SP (mV)	0

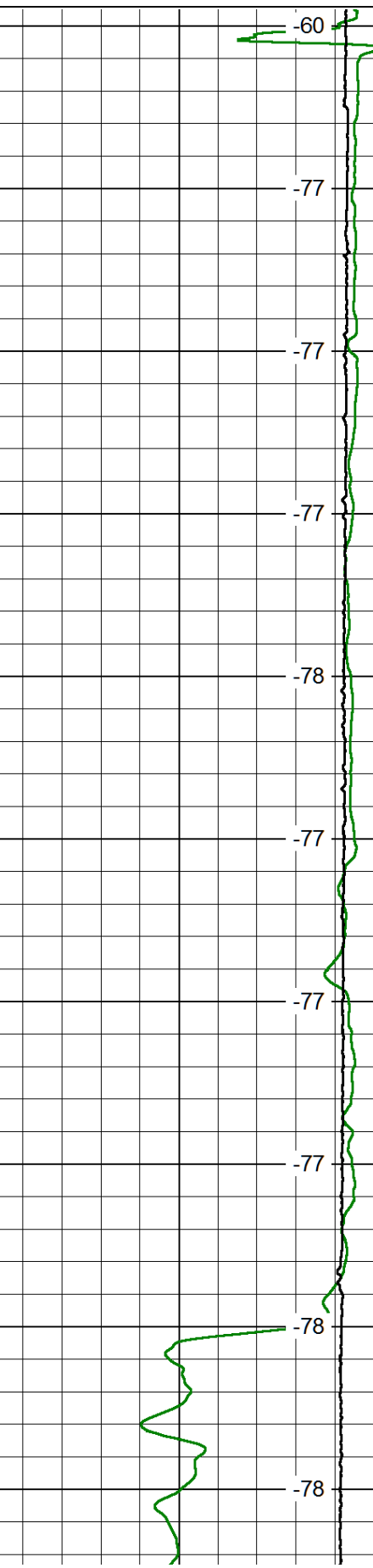
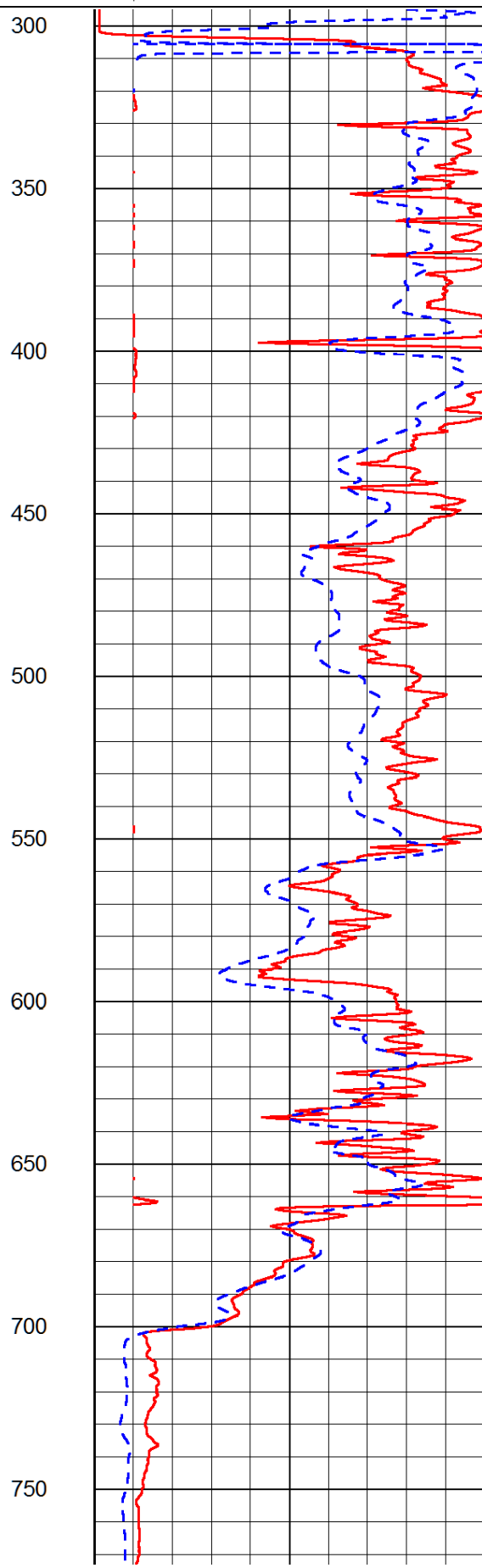
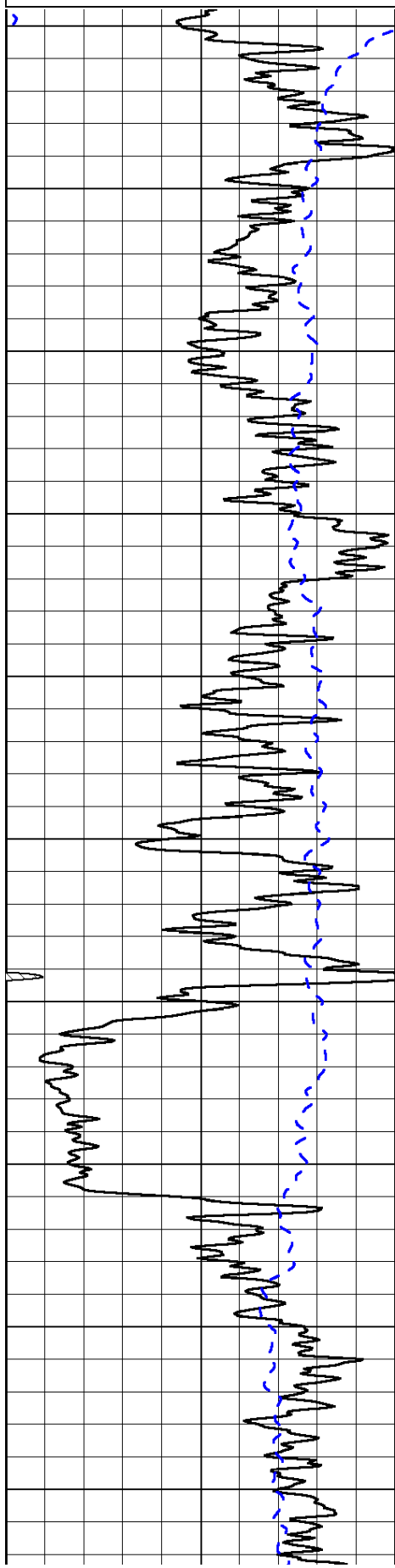
0	Shallow Resistivity	50
0	Deep Resistivity	50

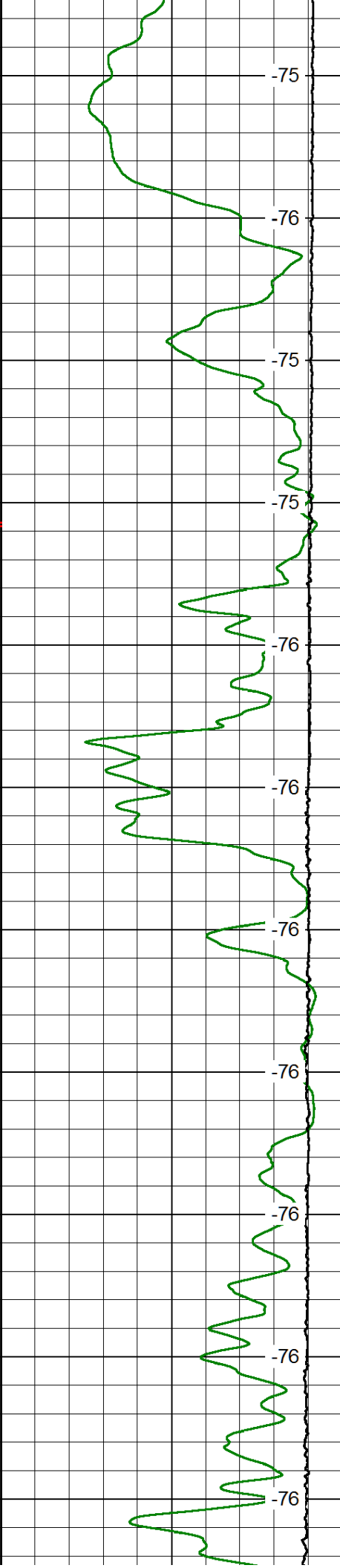
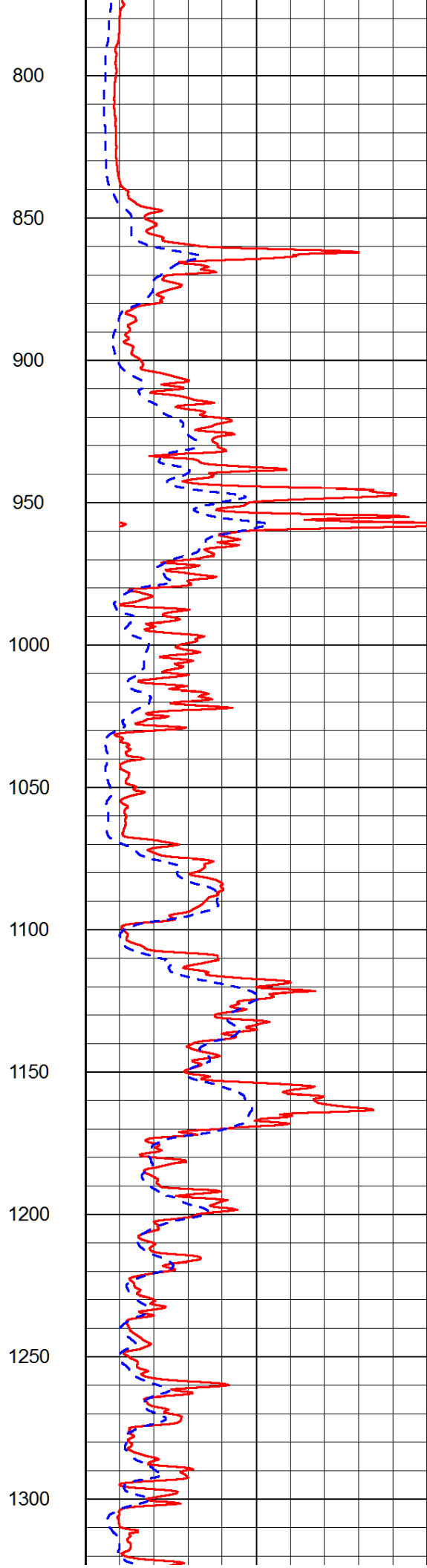
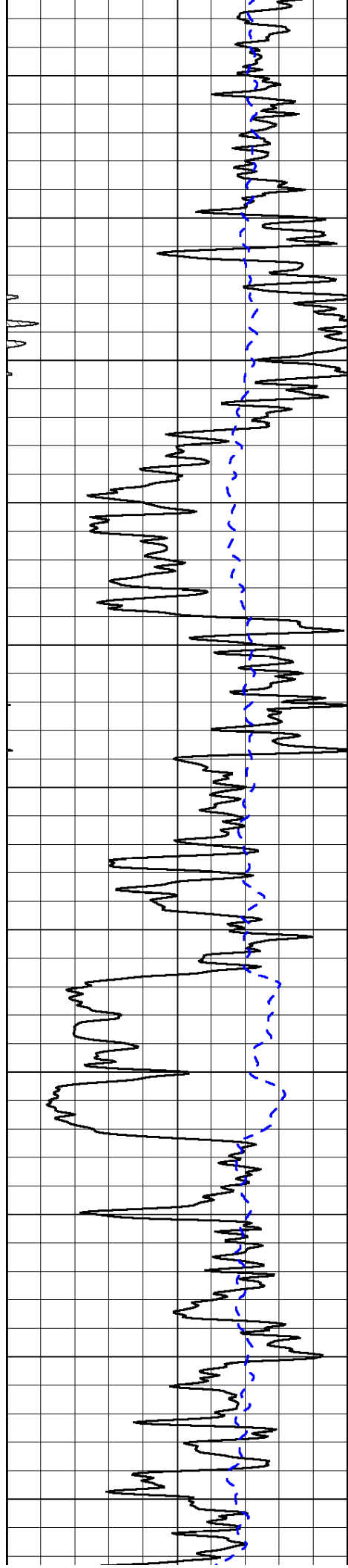
LSPD

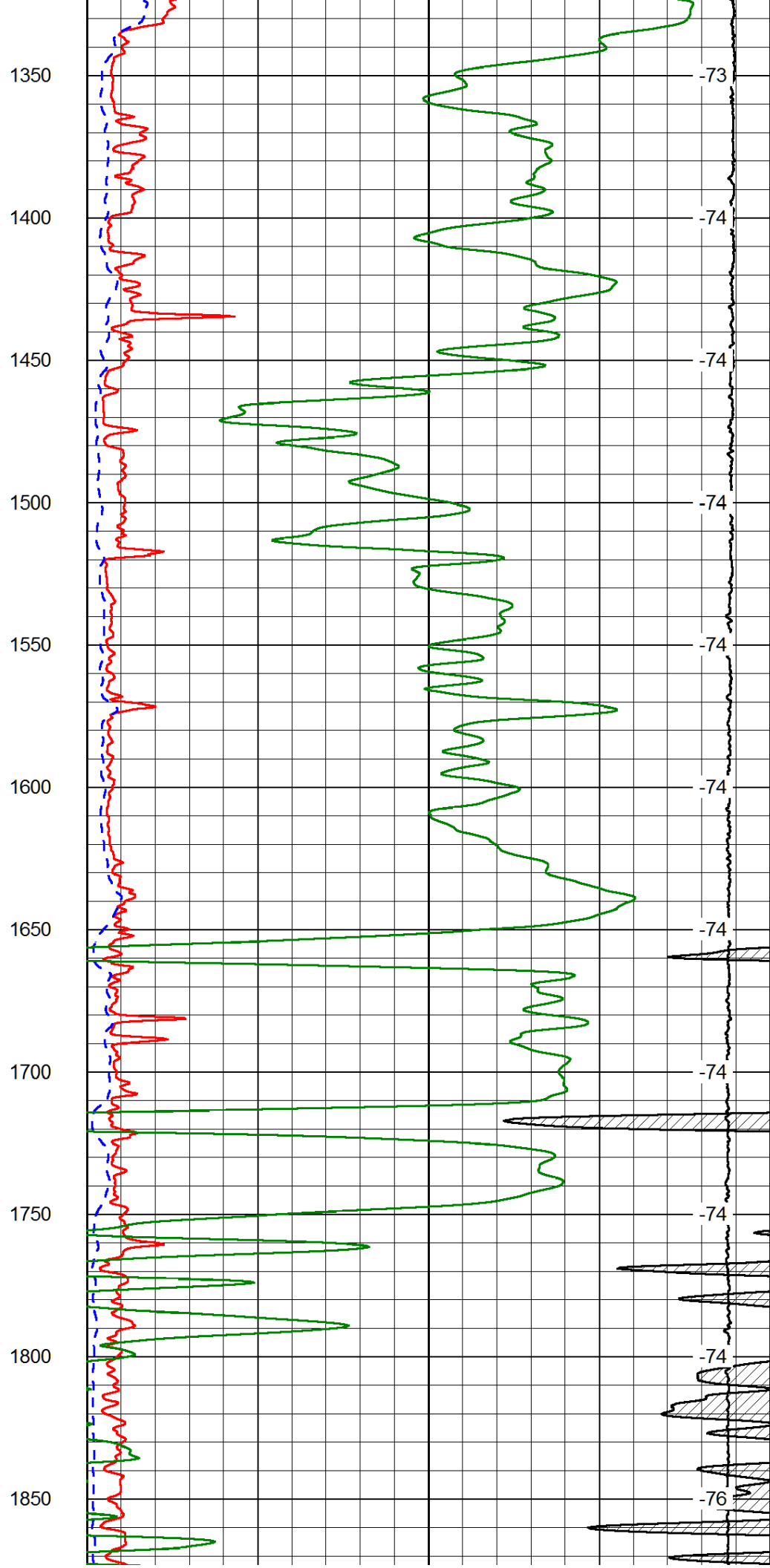
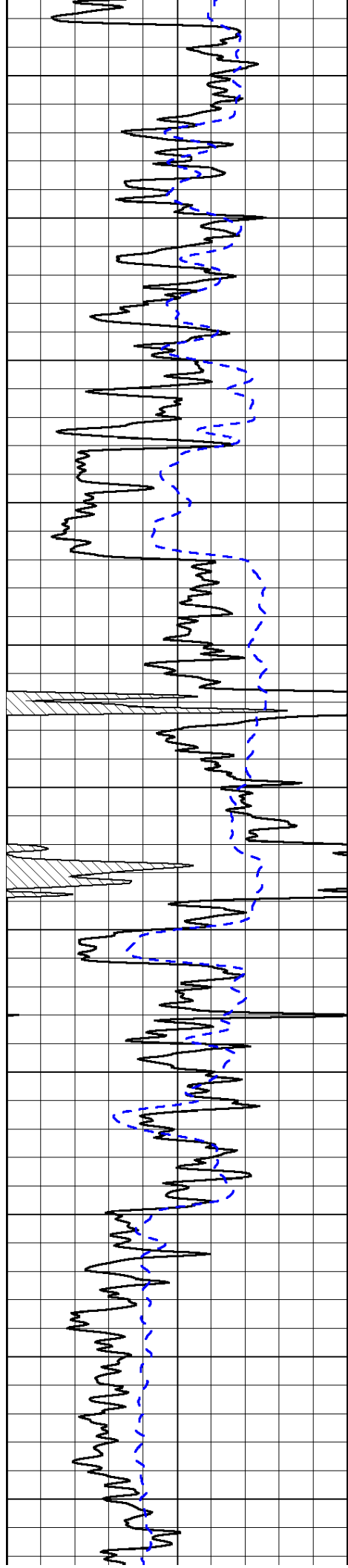
1000	Conductivity	0
------	--------------	---

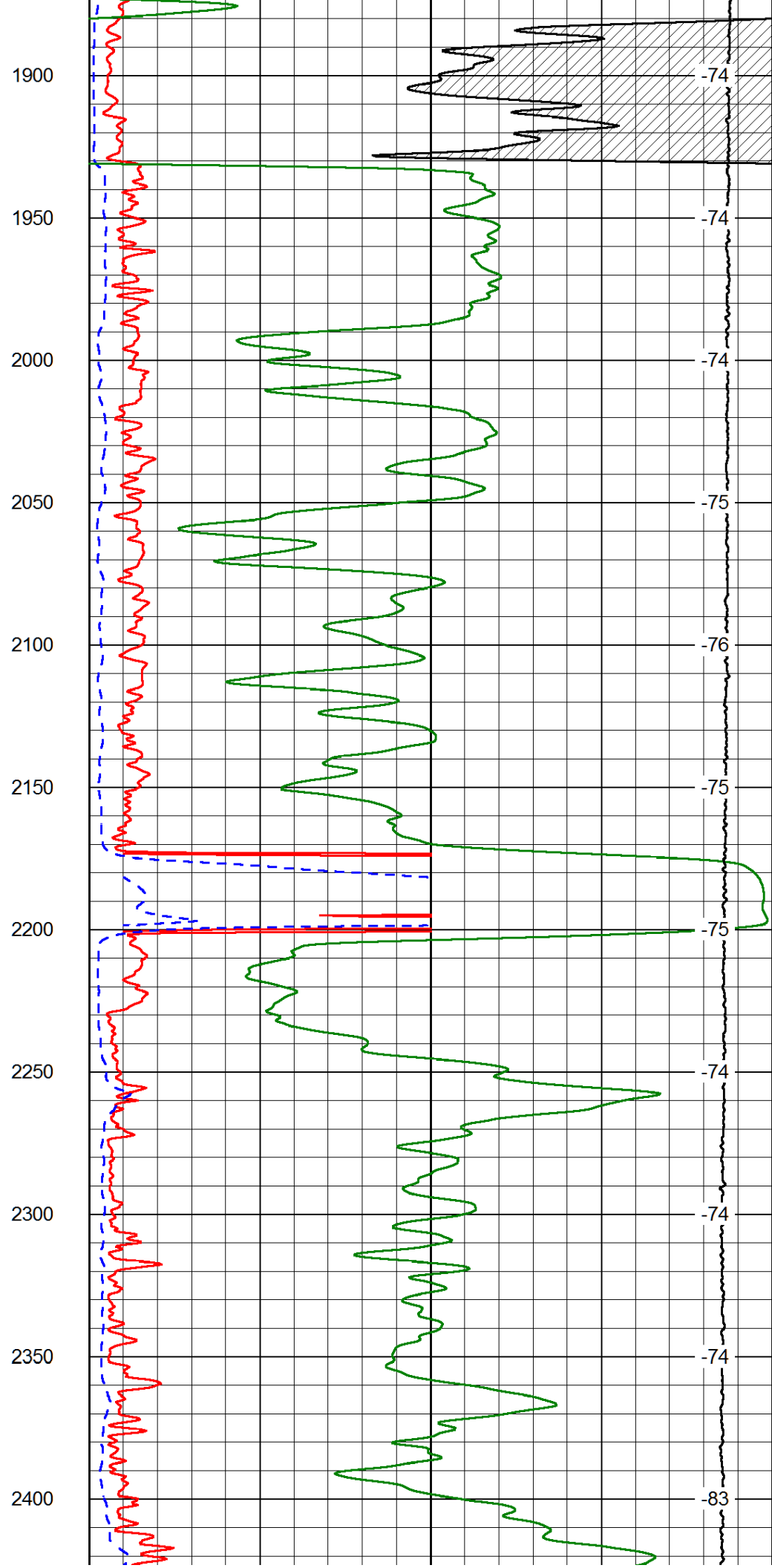
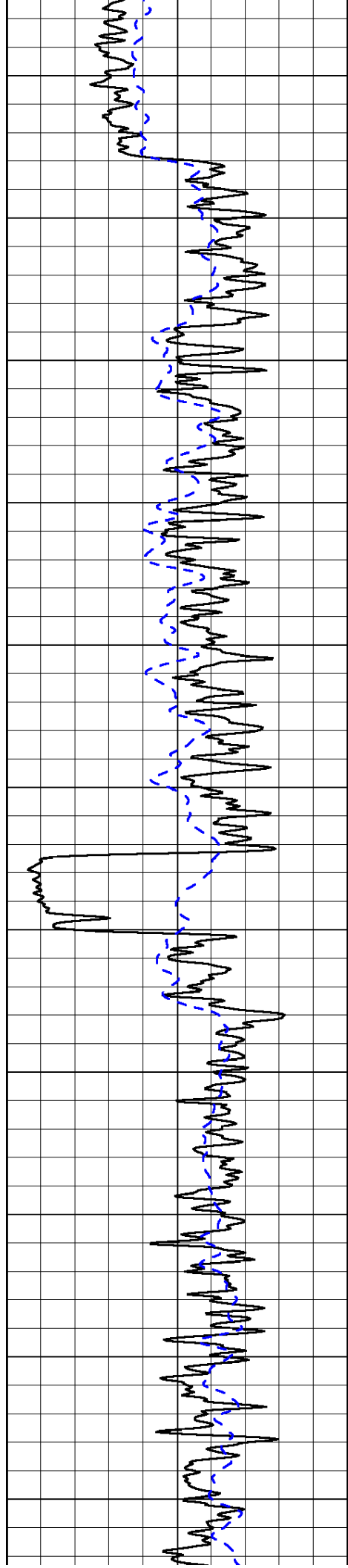
15000	Line Tension	0
-------	--------------	---

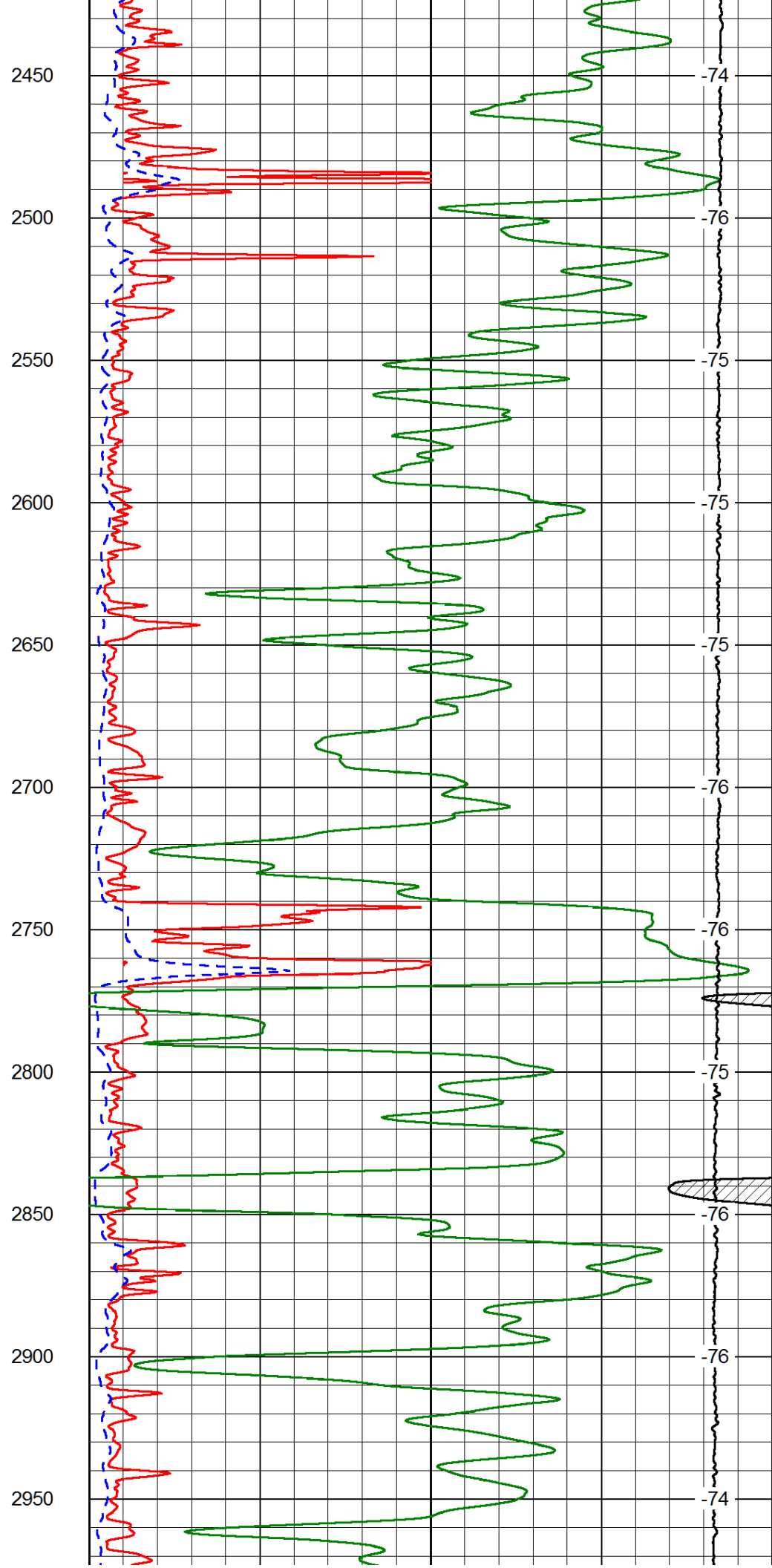
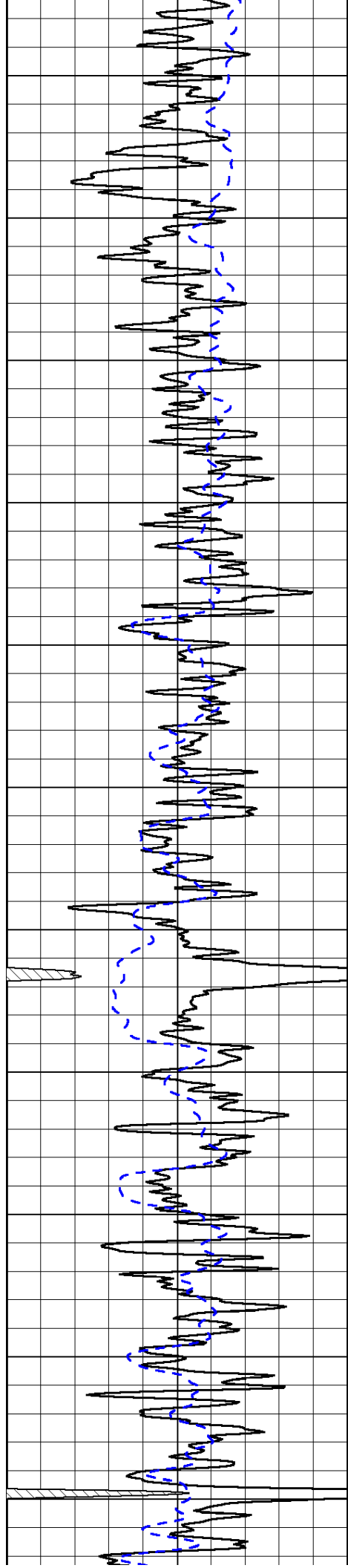
50	Shallow Resistivity	500
50	Deep Resistivity	500

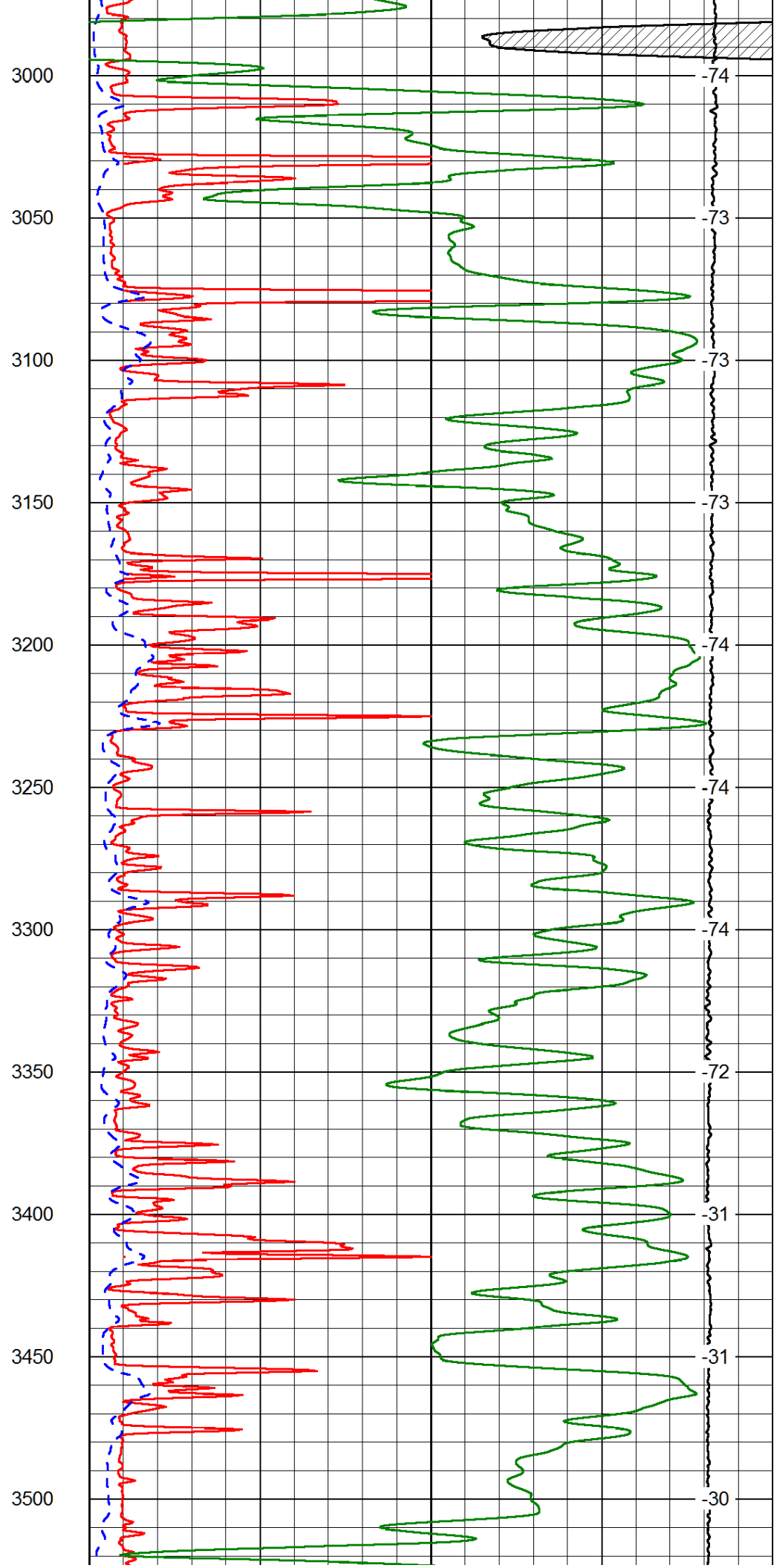
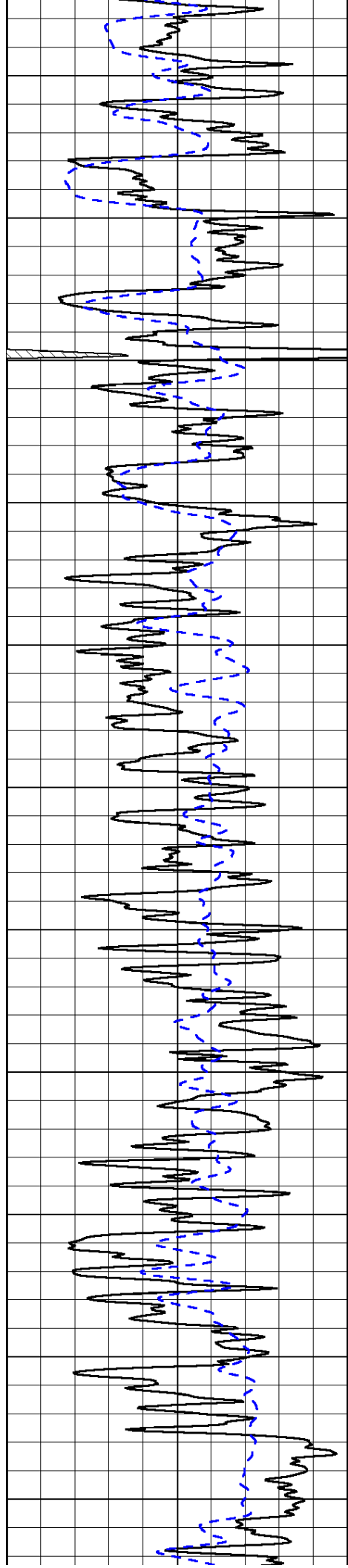


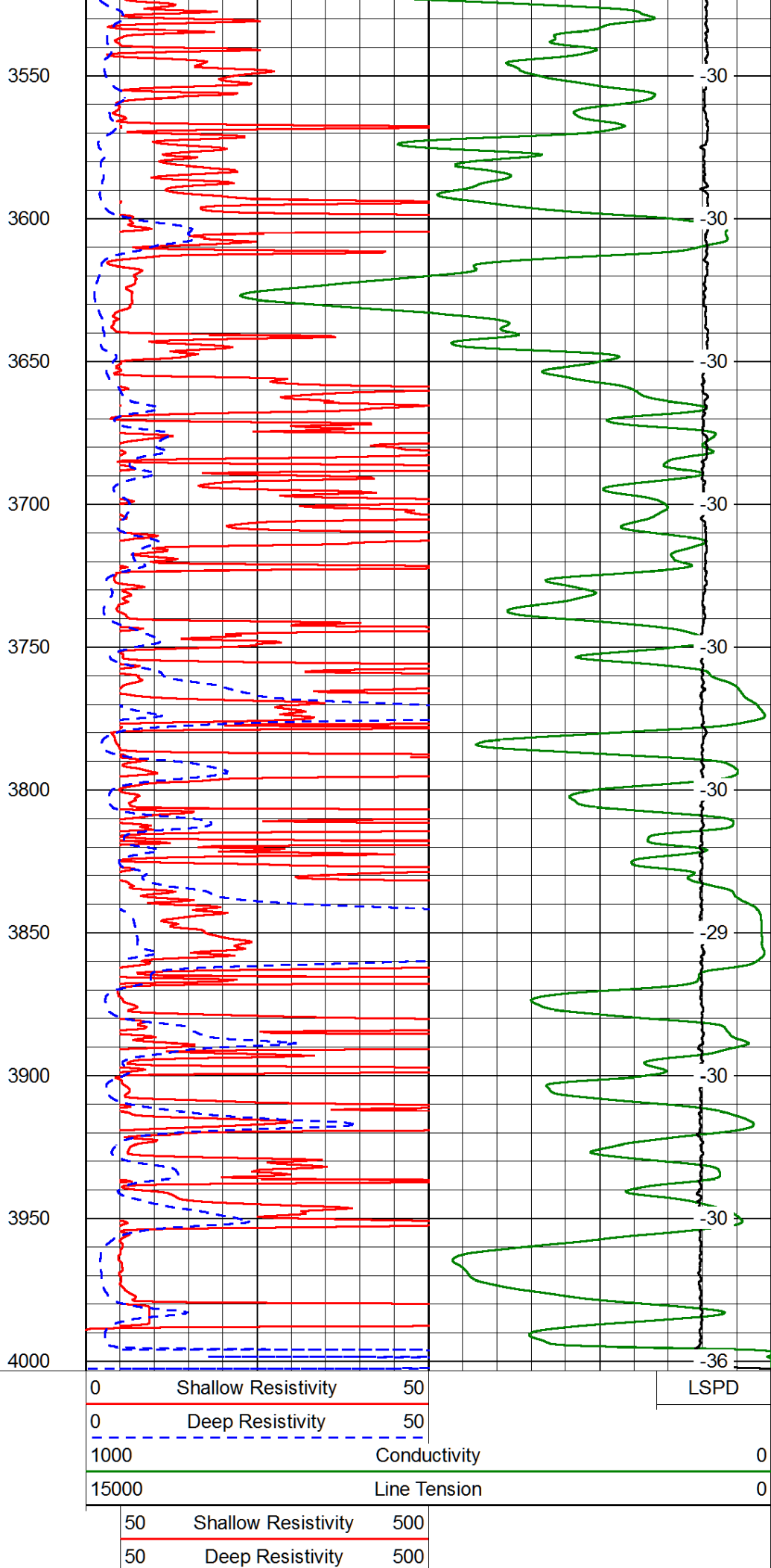
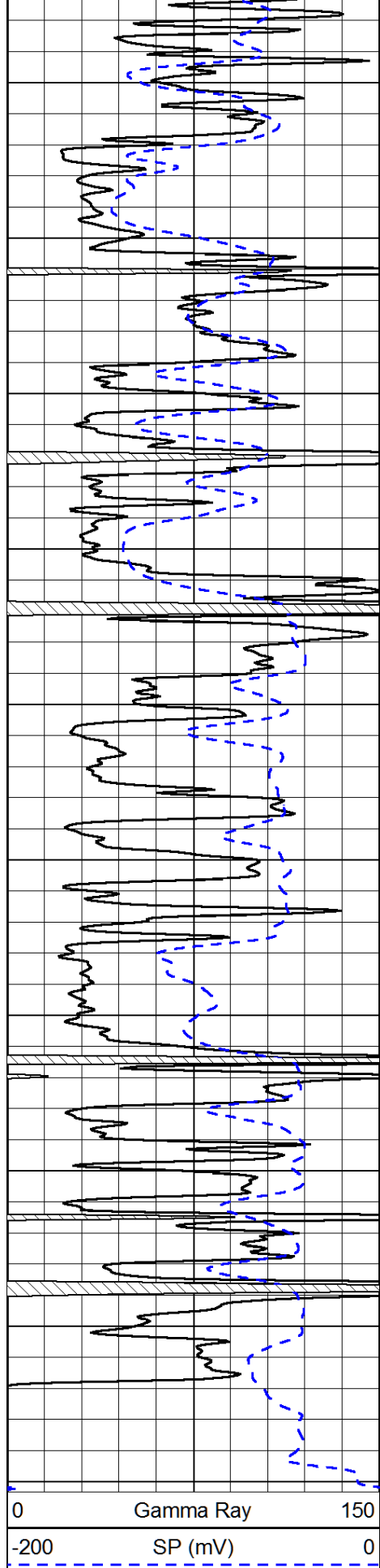










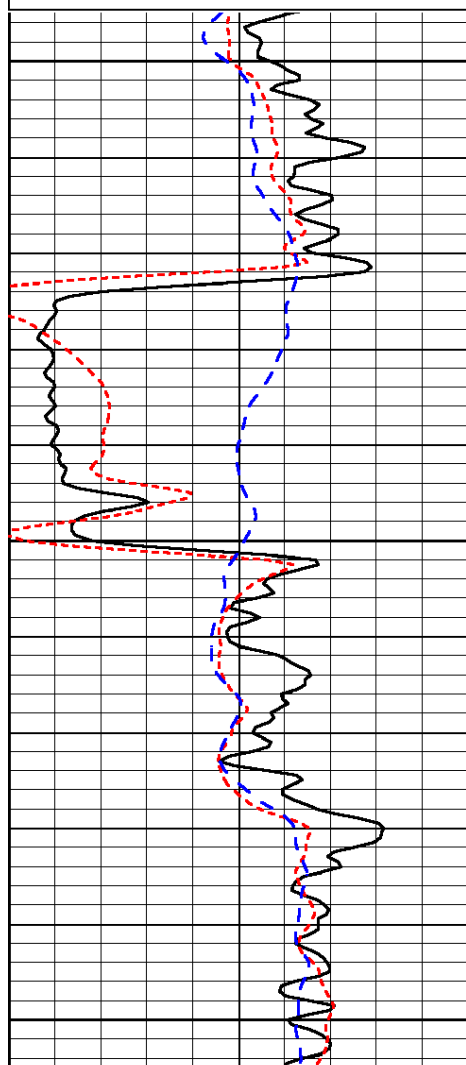


Database File: cphd.db
 Dataset Pathname: dil/cpstk
 Presentation Format: dil
 Dataset Creation: Thu Dec 04 16:58:43 2014
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
-160	RxoRt	40
-200	SP (mV)	0

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

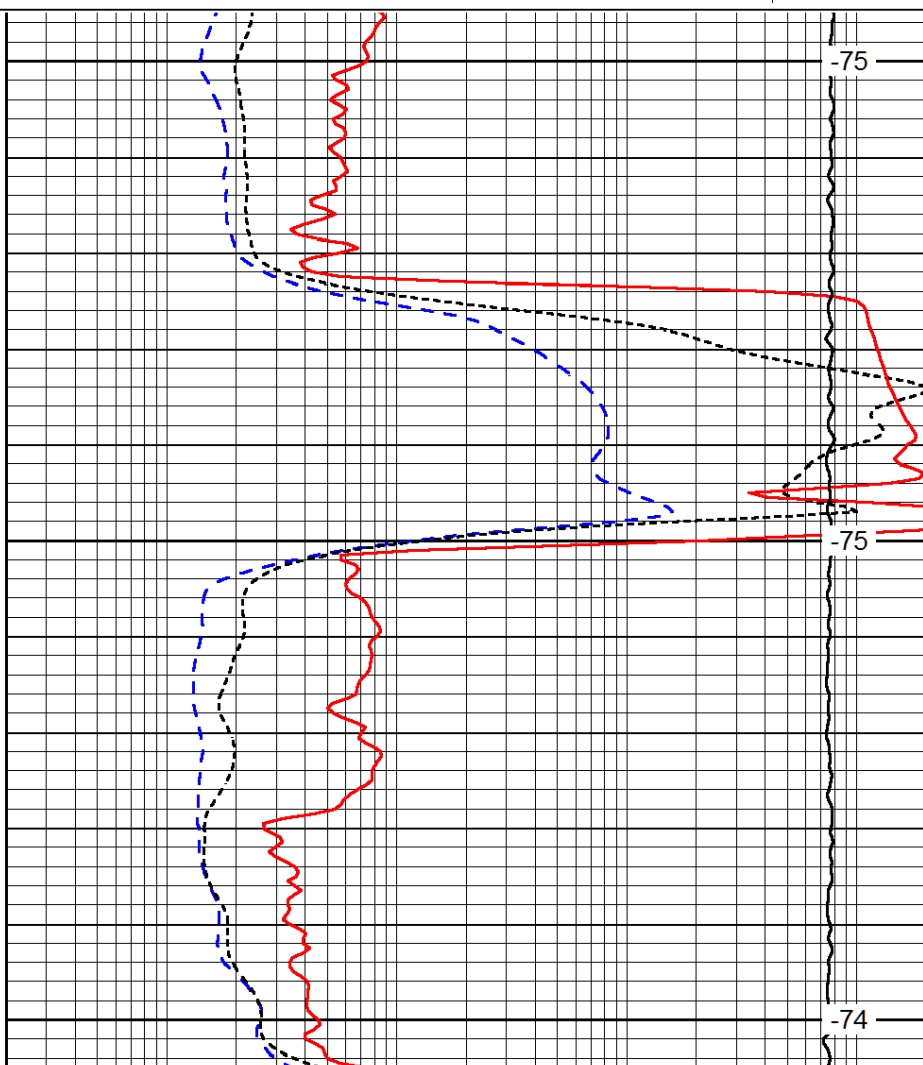
LSPD



2150

2200

2250



-75

-75

-74

0	Gamma Ray	150
-160	RxoRt	40
-200	SP (mV)	0

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

LSPD

Database File: cphd.db
 Dataset Pathname: dil/cpstk
 Presentation Format: dil
 Dataset Creation: Thu Dec 04 16:58:43 2014
 Charted by: Depth in Feet scaled 1:240

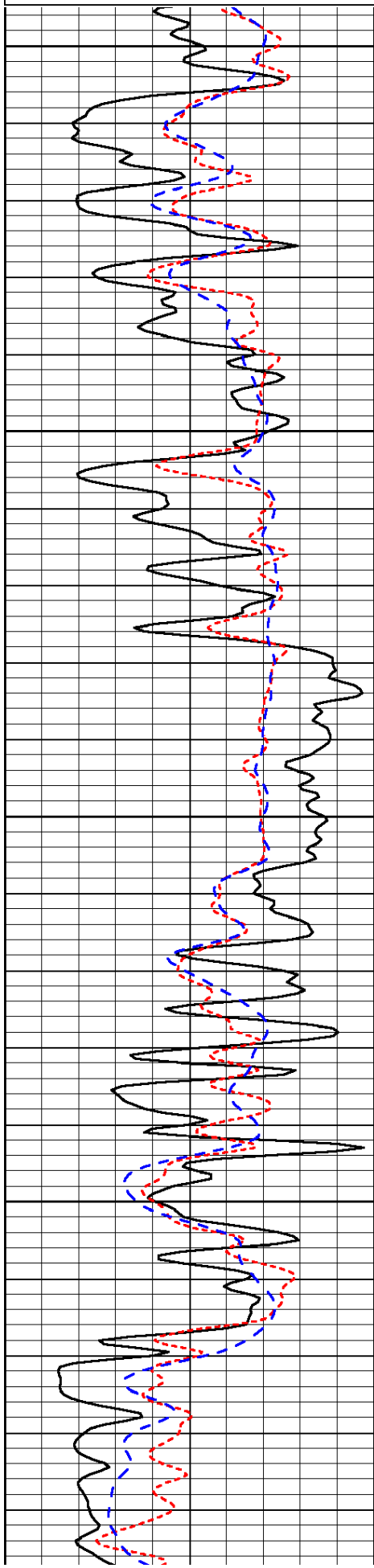
0	Gamma Ray	150
-160	RxoRt	40

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000

100	SP (mV)	0
-200		

0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD

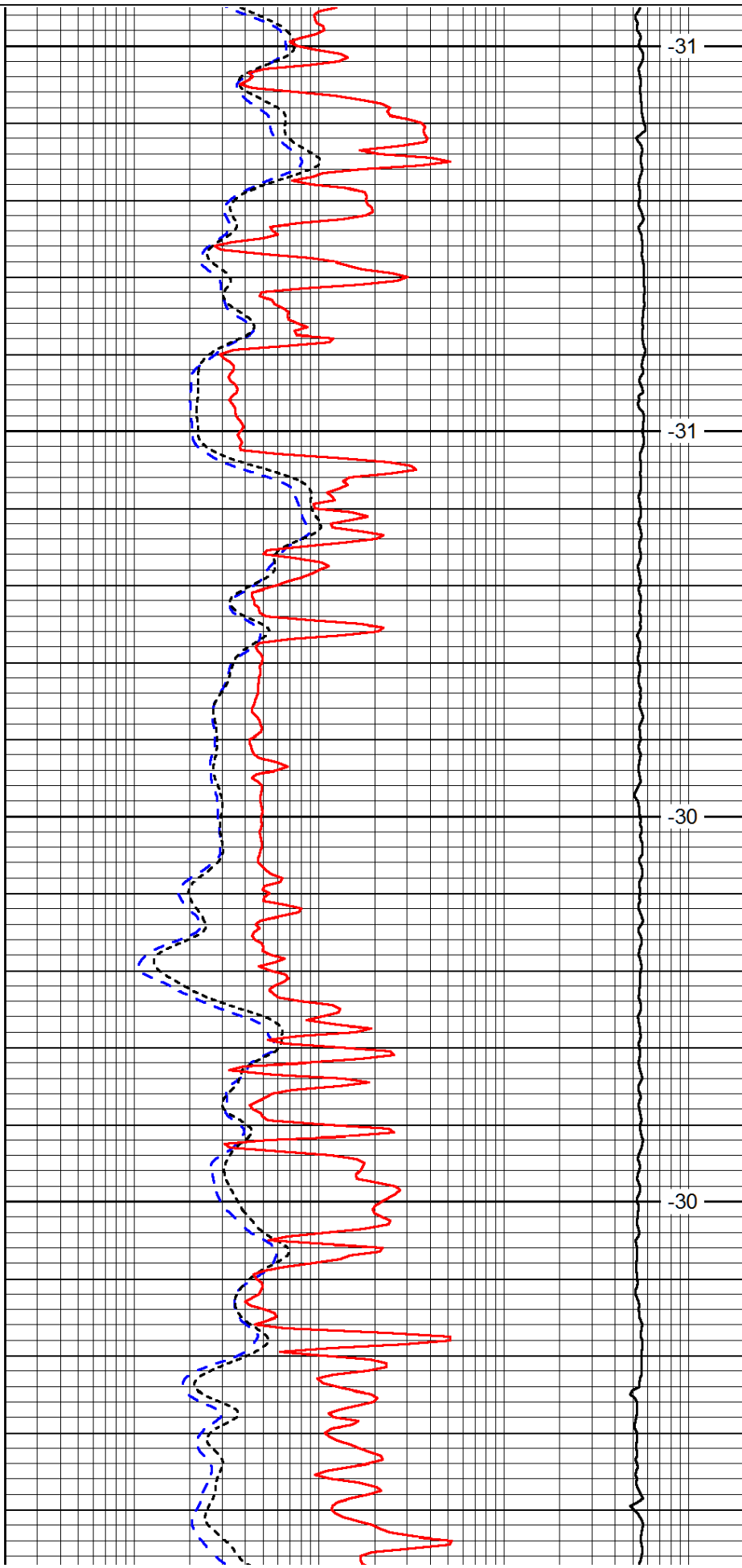


3400

3450

3500

3550

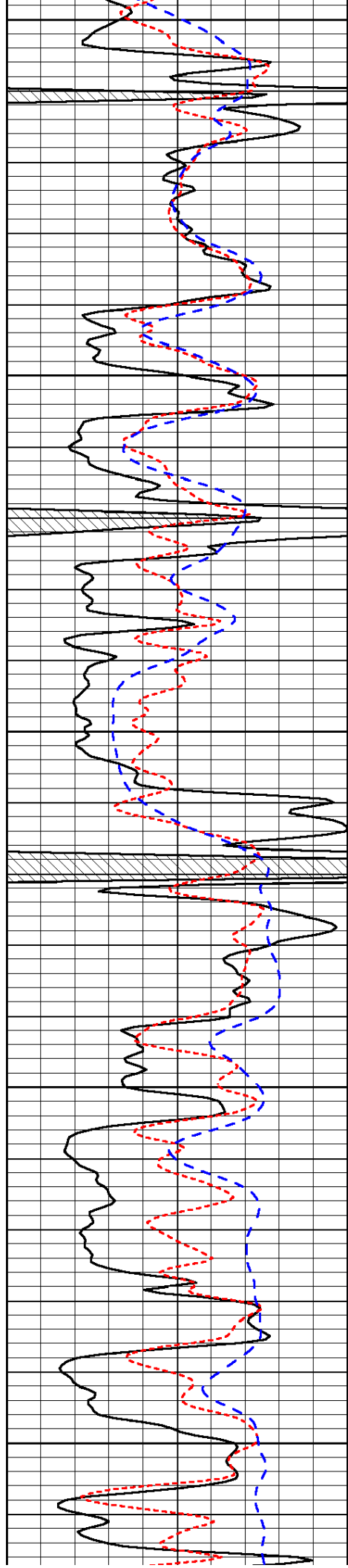


-31

-31

-30

-30



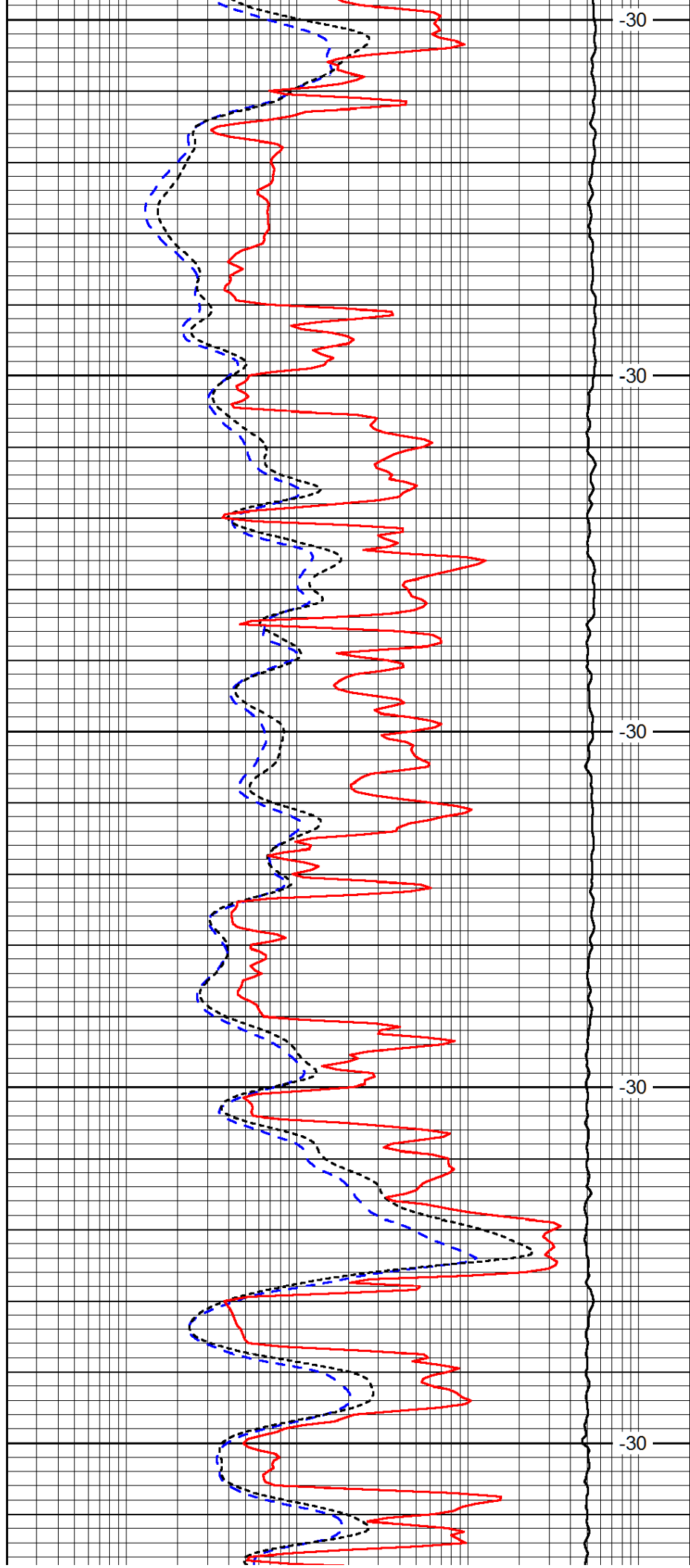
3600

3650

3700

3750

3800



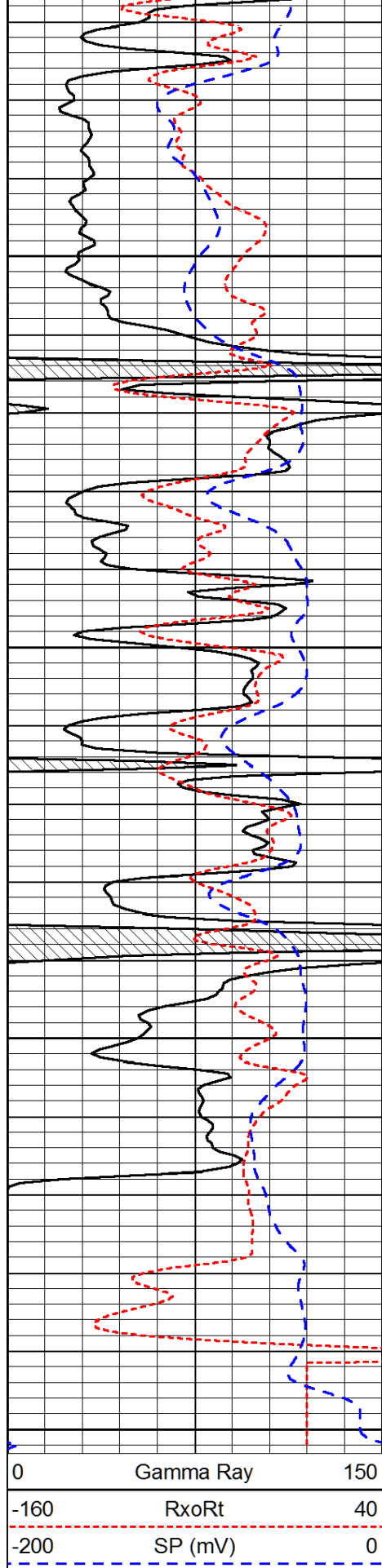
-30

-30

-30

-30

-30

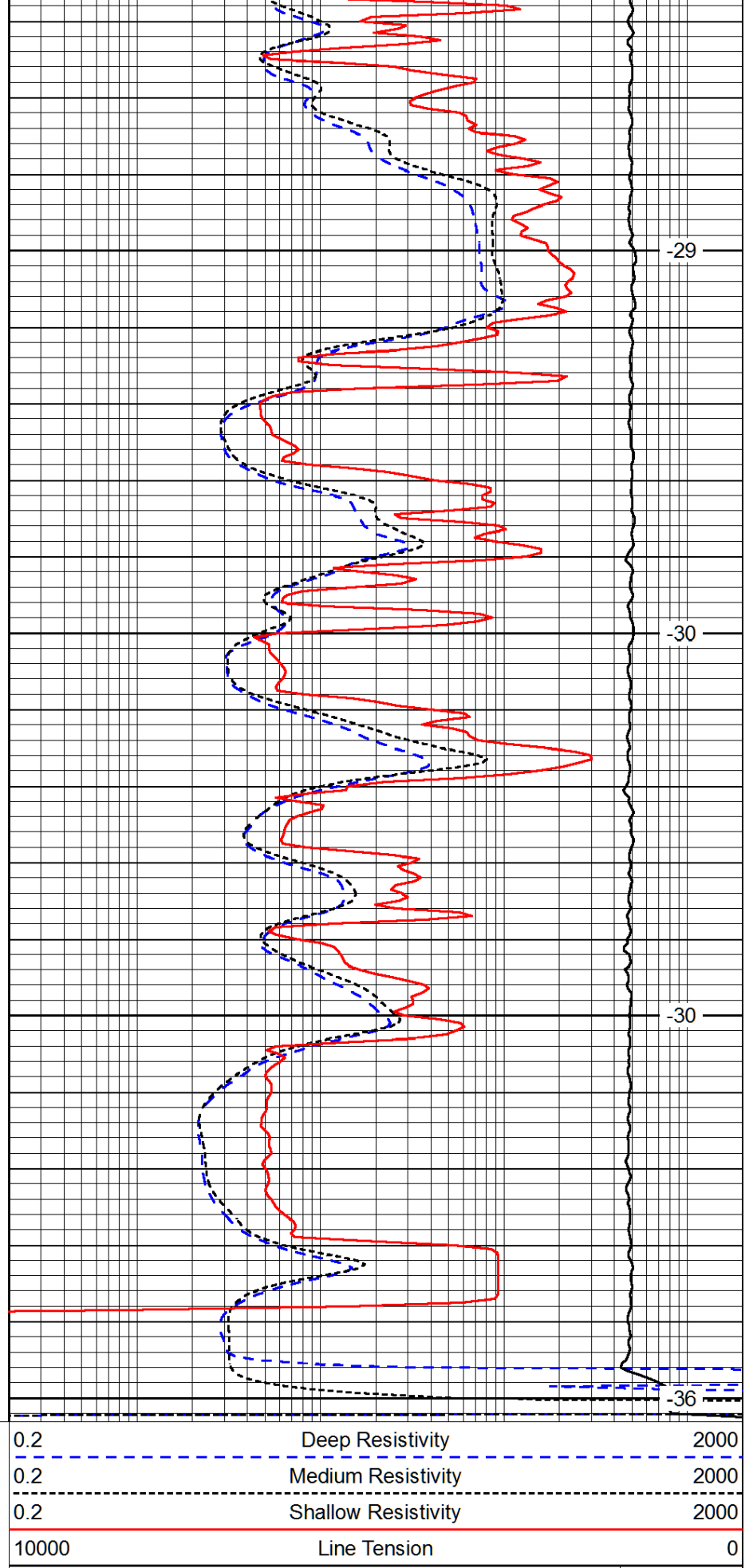


3850

3900

3950

4000



-29

-30

-30

-36

LSPD