

LOG-TECH



Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No.

15-065023,490-00-00

Company Clipper Engery, LLC

Well Hart No. 1

Field Wildcat

County Graham

State

Kansas

Location

NE - SW - SW - NE
2000' FNL & 2180' FEL

Sec: 32

Twp: 7 S

Rge: 21 W

Elevation

K.B. 2111
D.F. 2103

Permanent Datum Ground Level Elevation 2103
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date

11/2/2008

Run Number

One

Depth Driller

3760

Depth Logger

3760

Bottom Logged Interval

3759

Top Log Interval

200

Casing Driller

8.625 @ 222

Casing Logger

119

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

1.000

Density / Viscosity

9.1 59

pH / Fluid Loss

10.5 7.6

Source of Sample

Flowline

Rm @ Meas. Temp

2.10 @ 65

Rmf @ Meas. Temp

1.58 @ 65

Rmc @ Meas. Temp

2.84 @ 65

Source of Rmf / Rmc

Charts

Rm @ BHT

1.20 @ 114

Operating Rig Time

3 Hours

Max Rec. Temp. F

114

Equipment Number

15

Location

Hays

Recorded By

B. Becker

Witnessed By

Bill Robinson

<<< 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

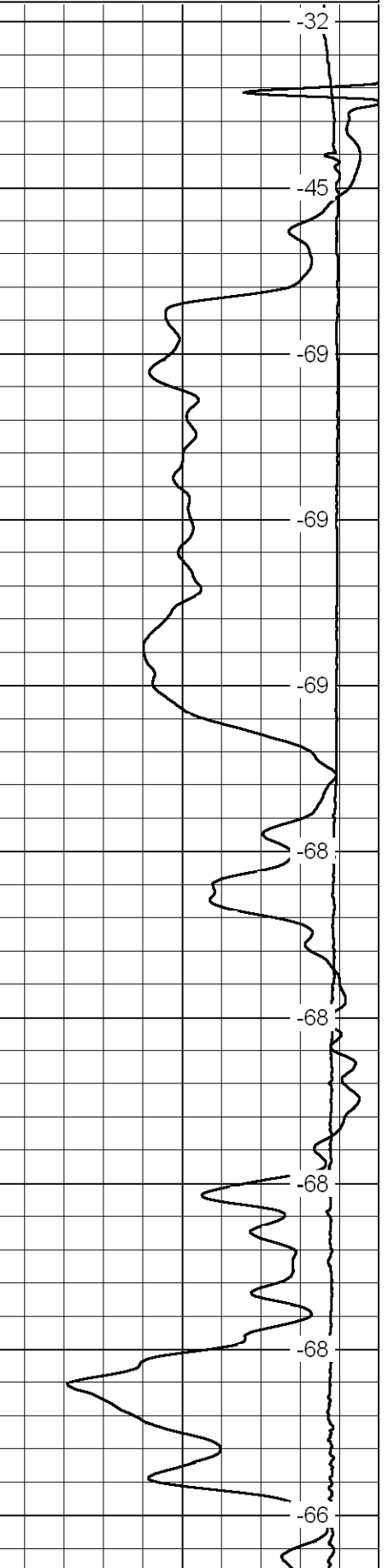
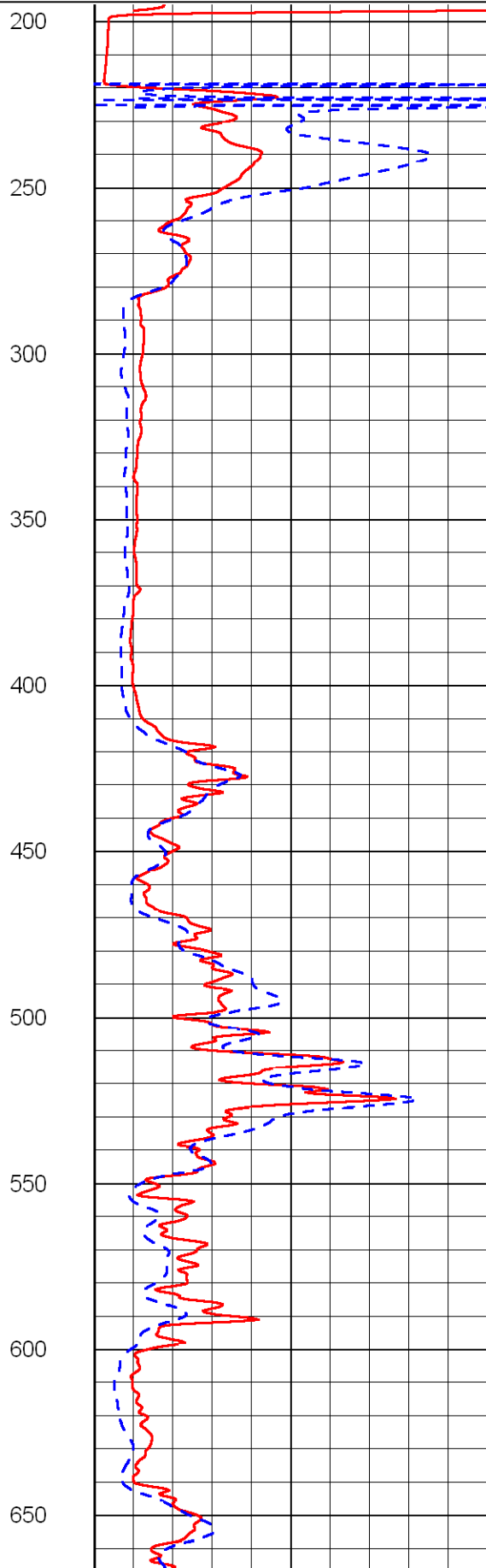
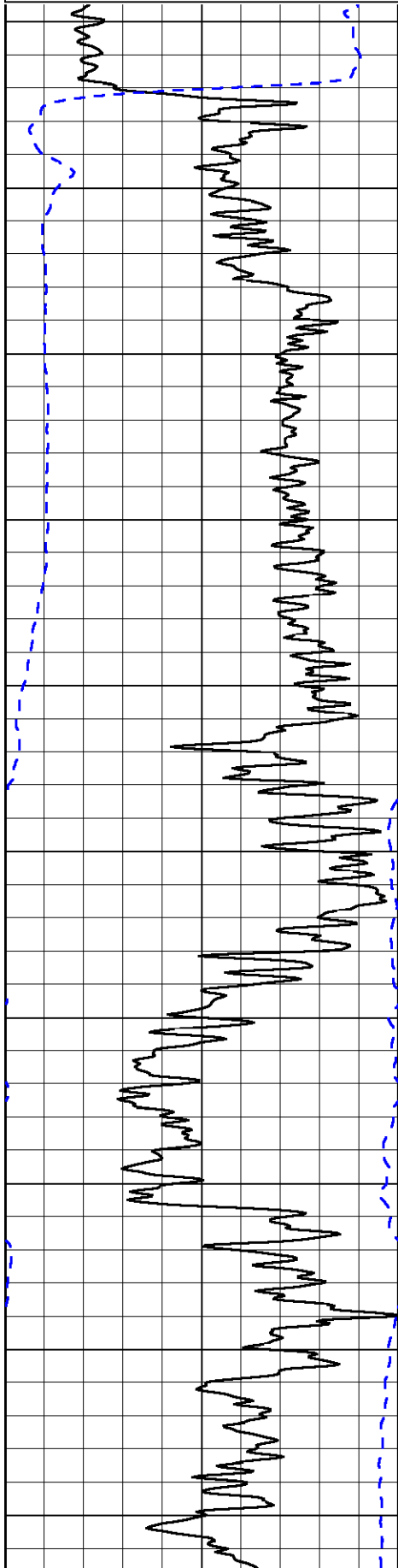
Bogue, Ks; 3-1/2 North; West Into

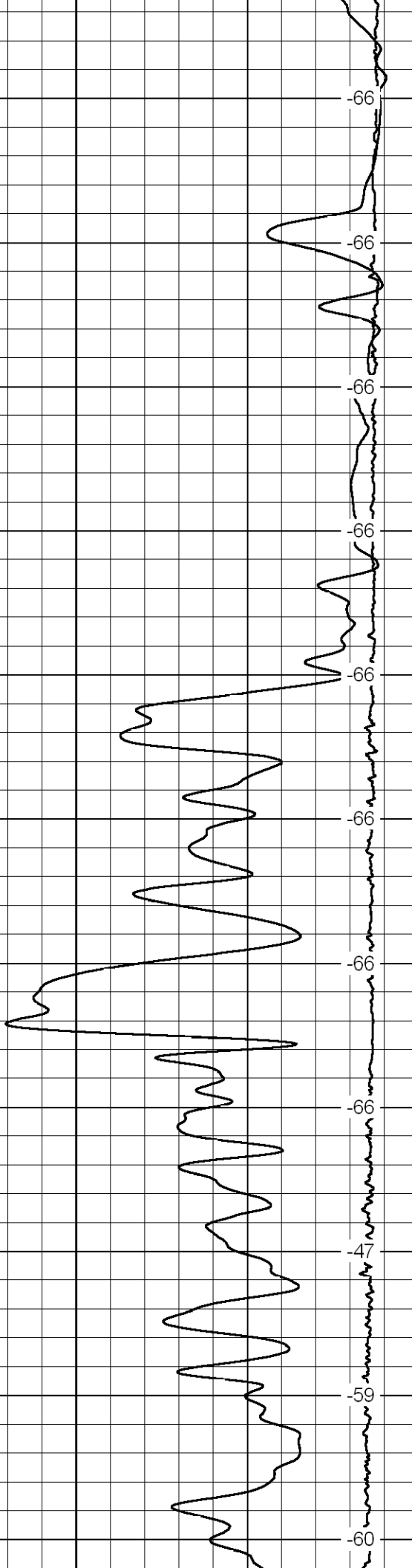
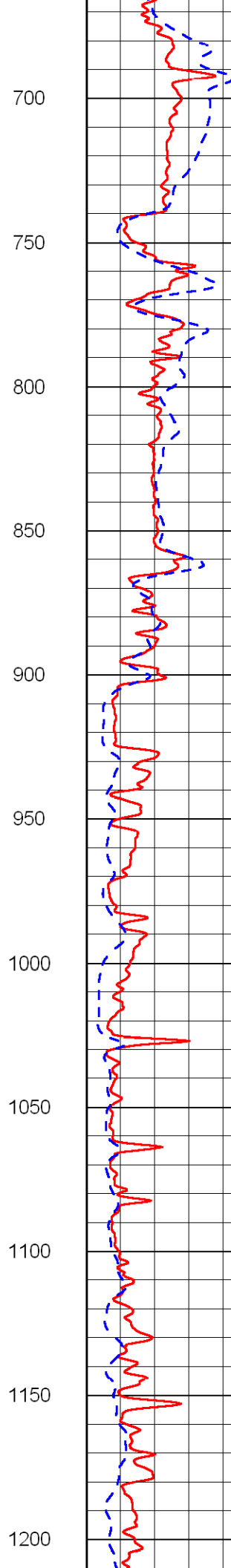
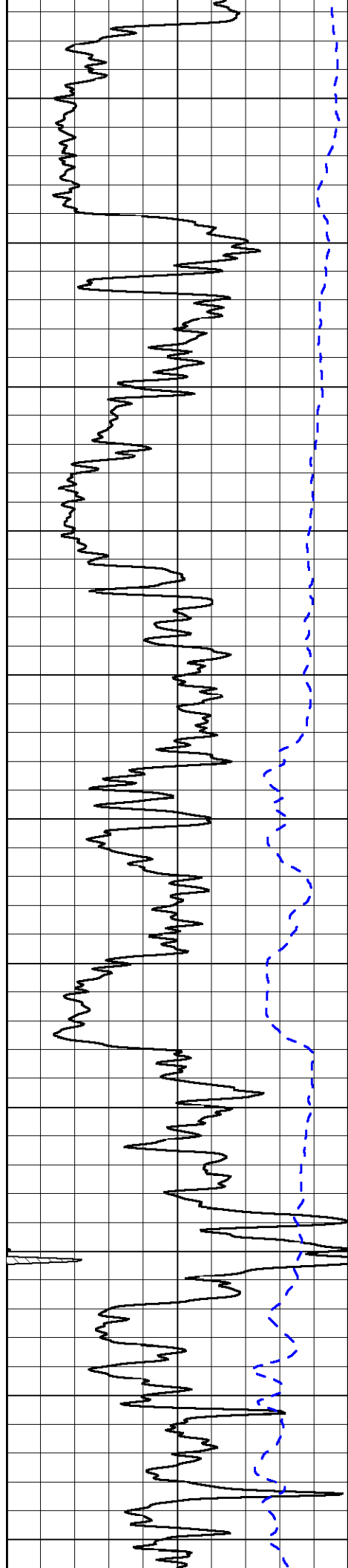
Database File: c:\warrior\data\clipper_hart no. 1\clipperhd.db
Dataset Pathname: DIL/clipstk
Presentation Format: dil2in
Dataset Creation: Sun Nov 02 15:31:40 2008
Charted by: Depth in Feet scaled 1:600

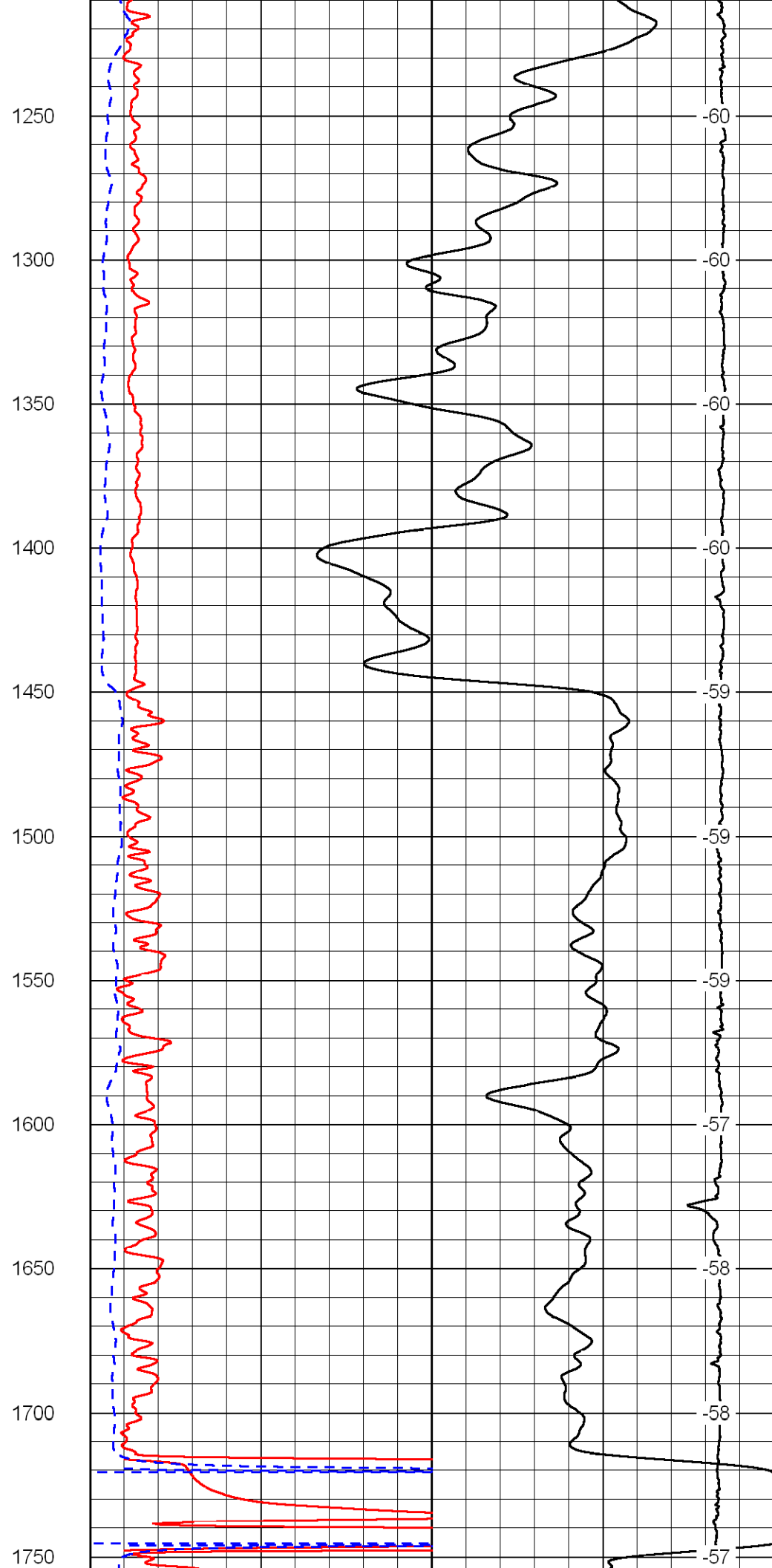
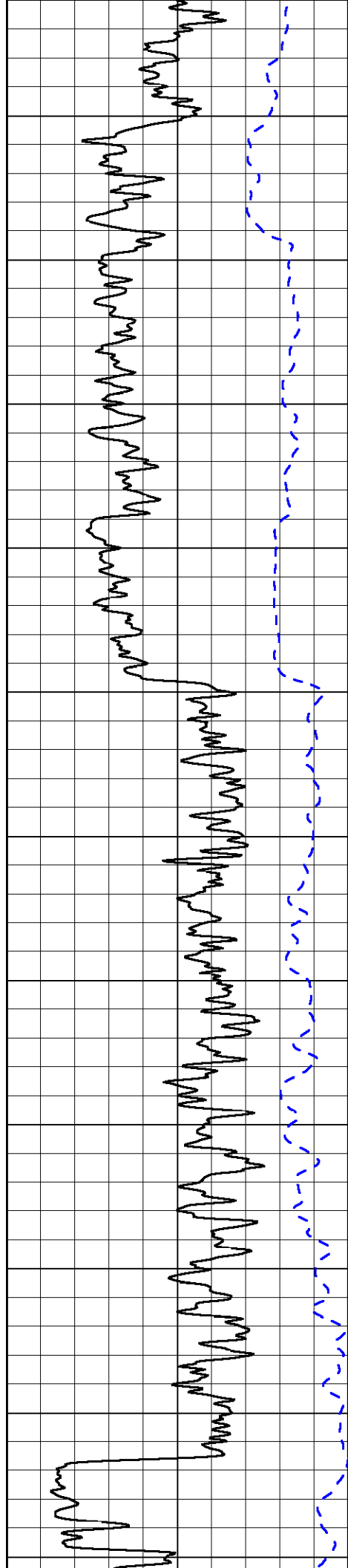
0	Gamma Ray	150
-200	SP	0

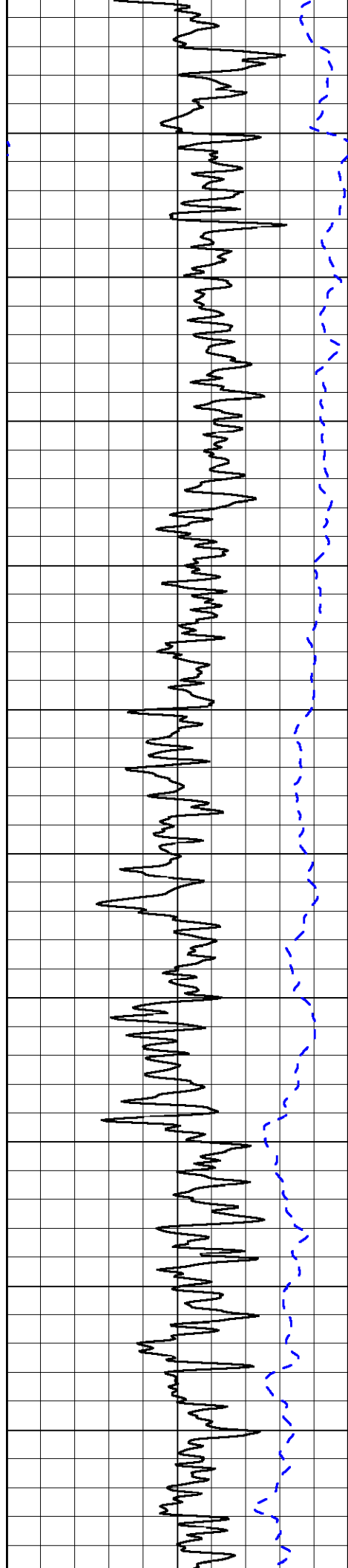
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0

LSPD









1800

1850

1900

1950

2000

2050

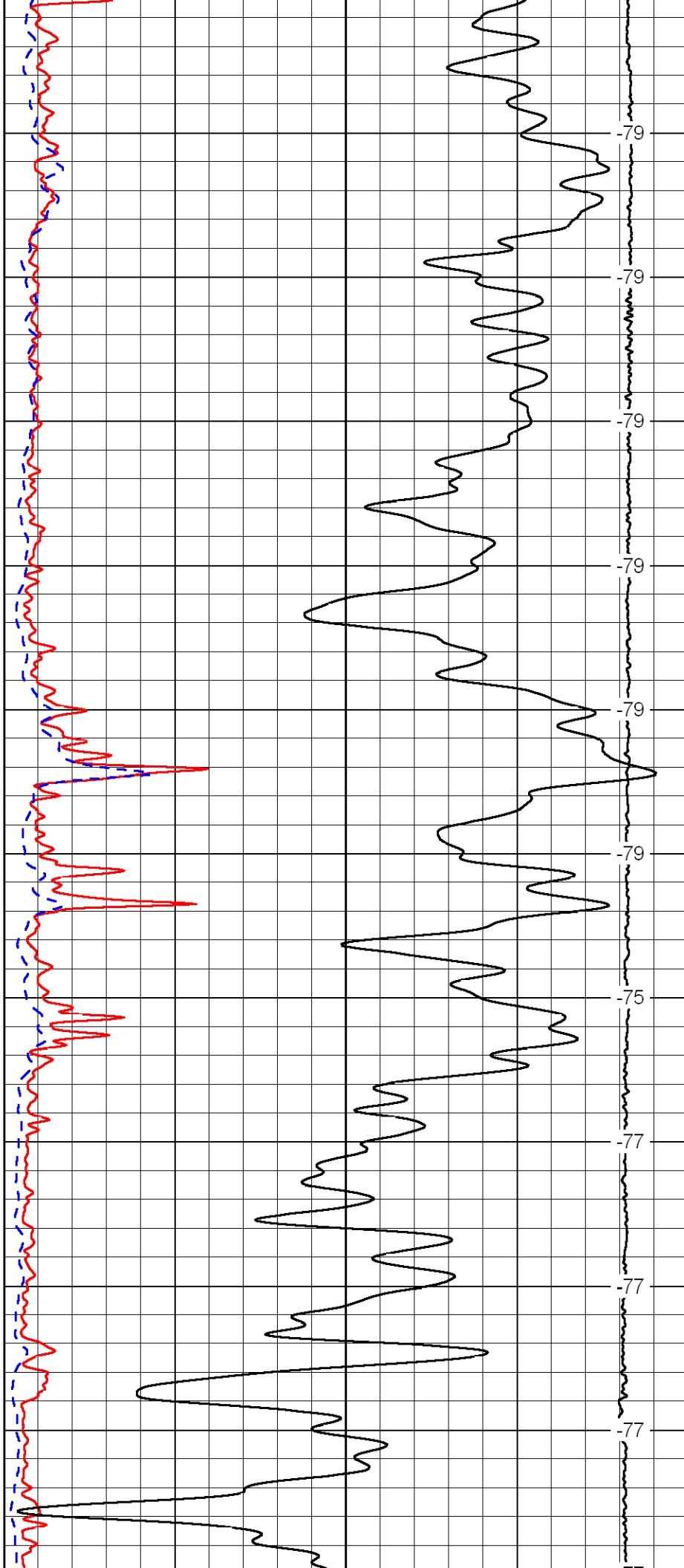
2100

2150

2200

2250

2300



-79

-79

-79

-79

-79

-79

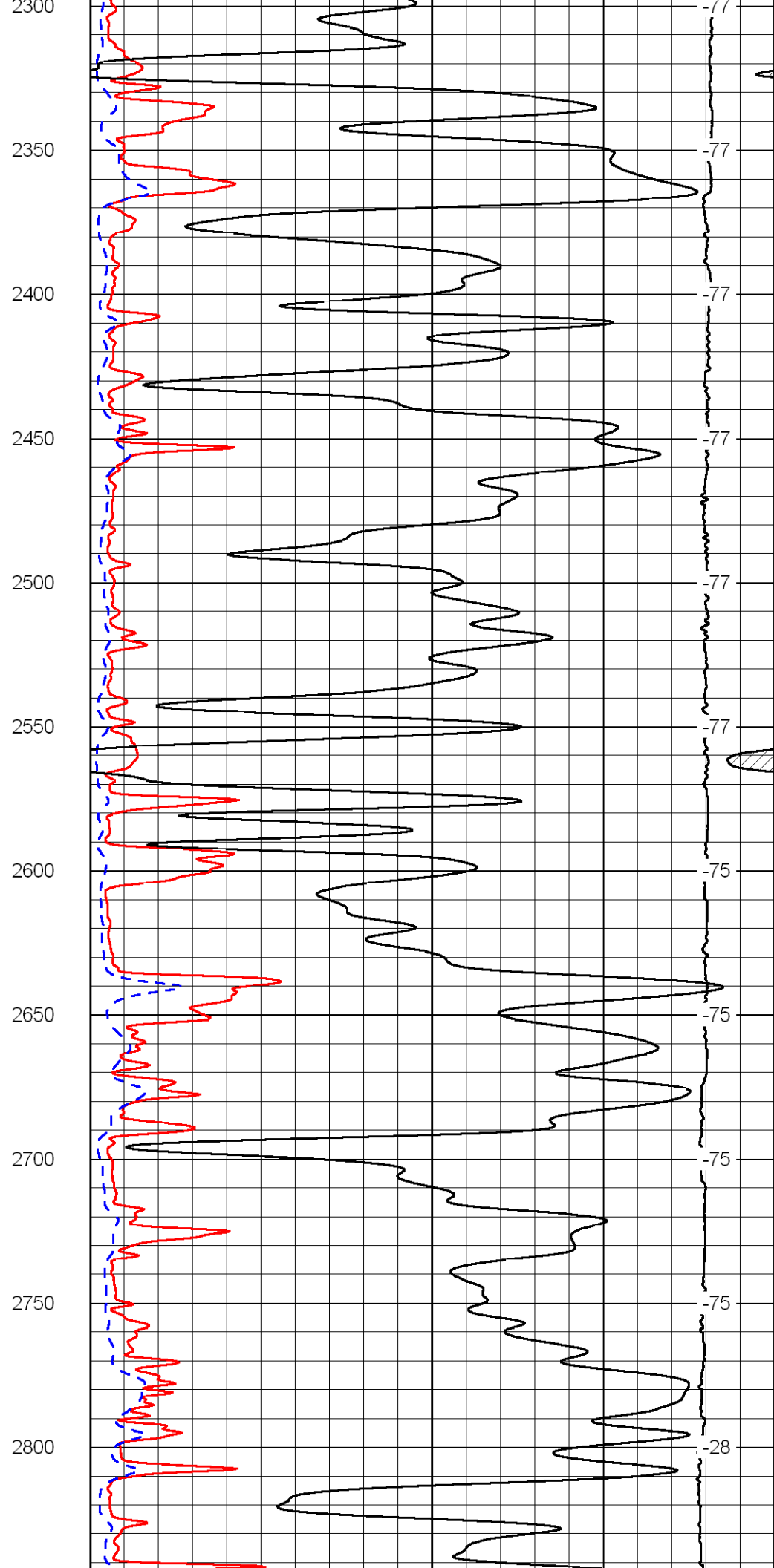
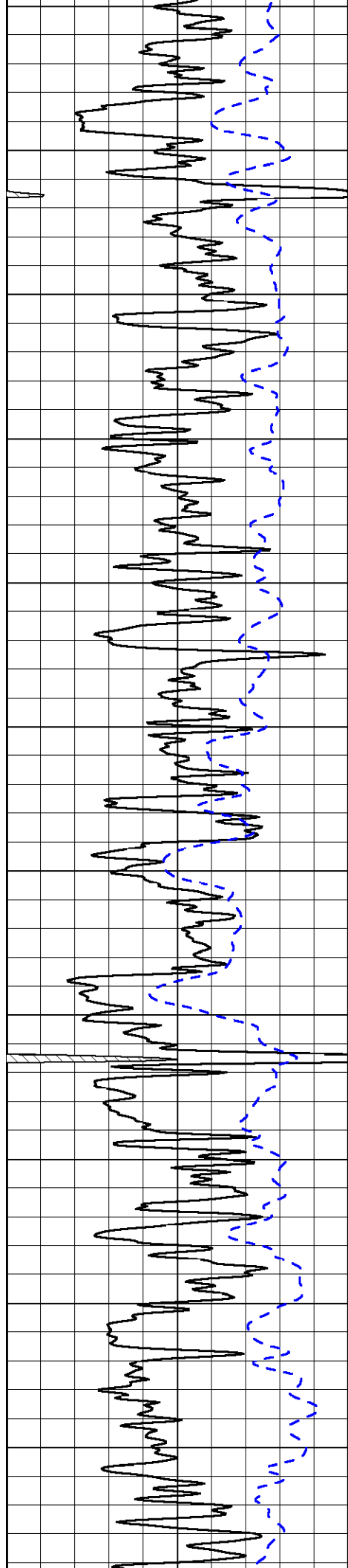
-75

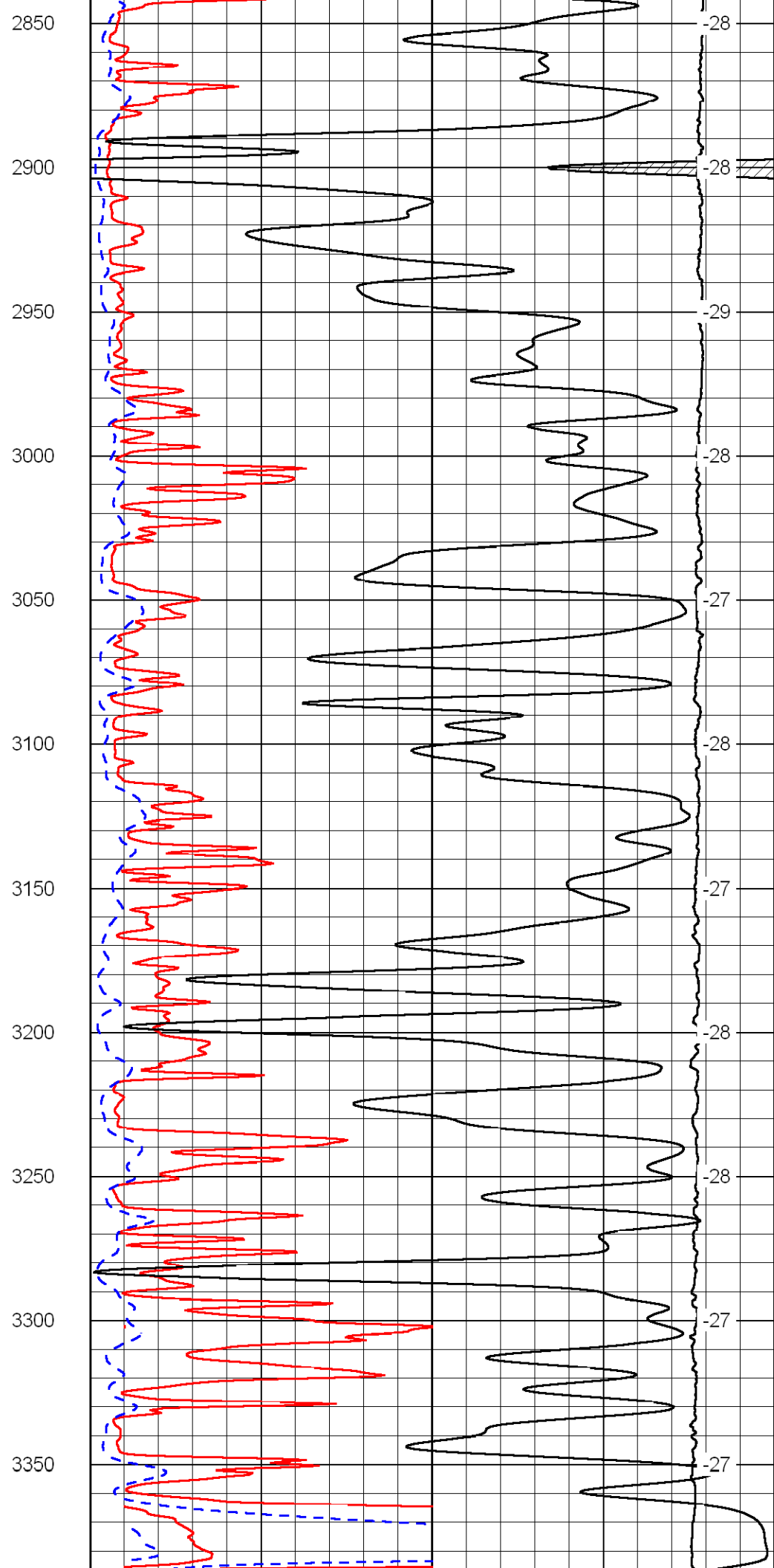
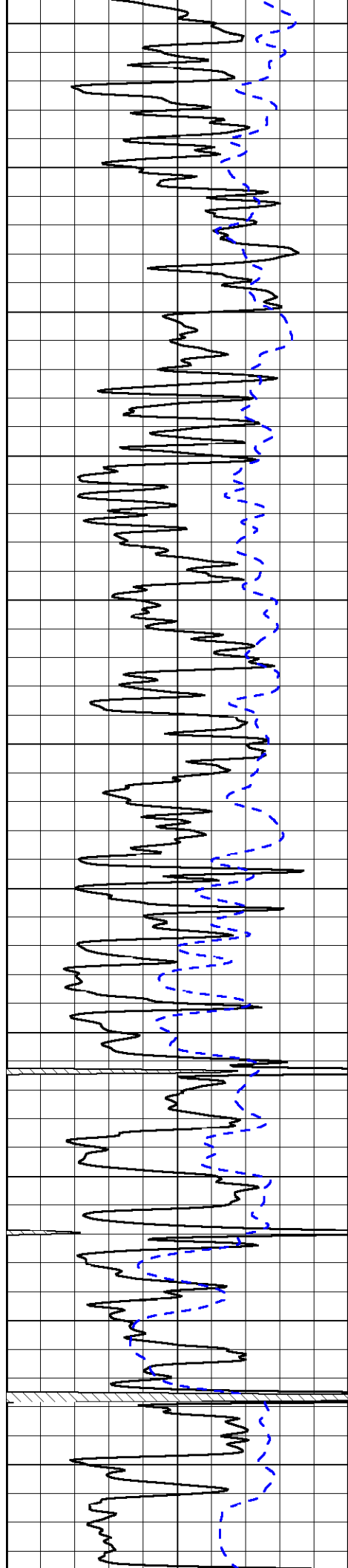
-77

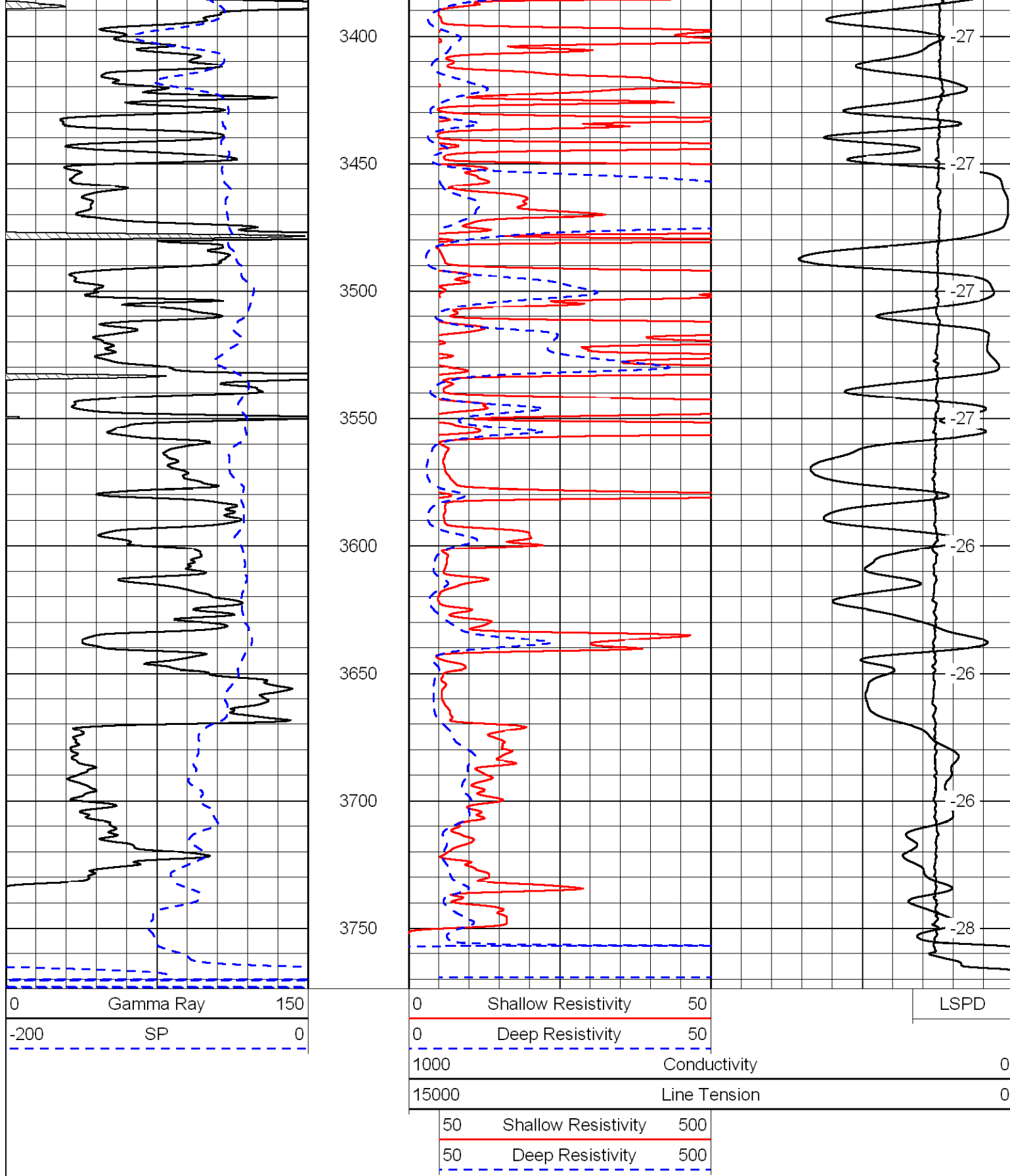
-77

-77

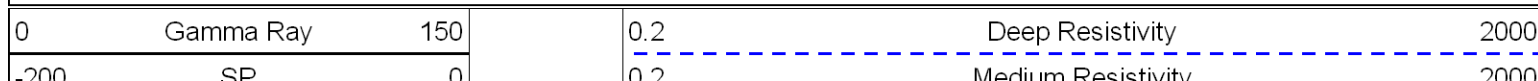
-77







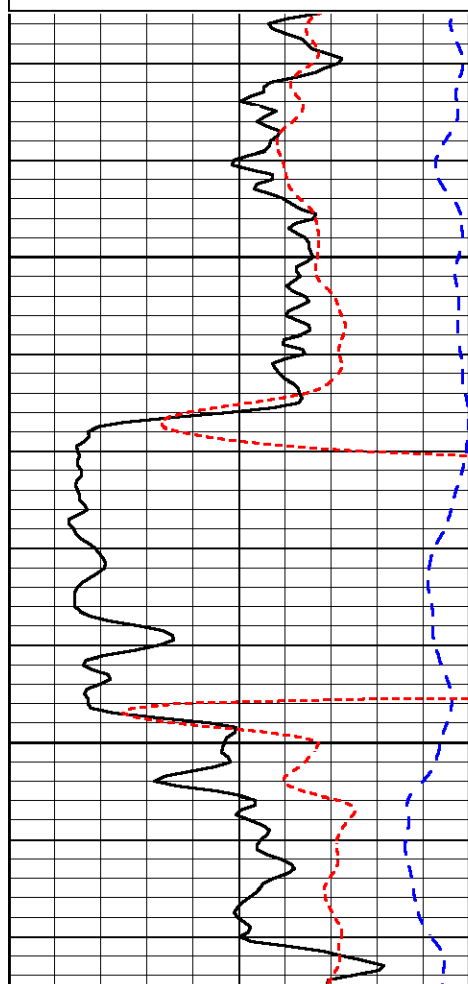
Database File: c:\warrior\data\clipper_hart no. 1\clipperhd.db
 Dataset Pathname: DIL/clipstk
 Presentation Format: dil
 Dataset Creation: Sun Nov 02 15:31:40 2008
 Charted by: Depth in Feet scaled 1:240



200	Gr	0
-160	Rxo / Rt	40

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

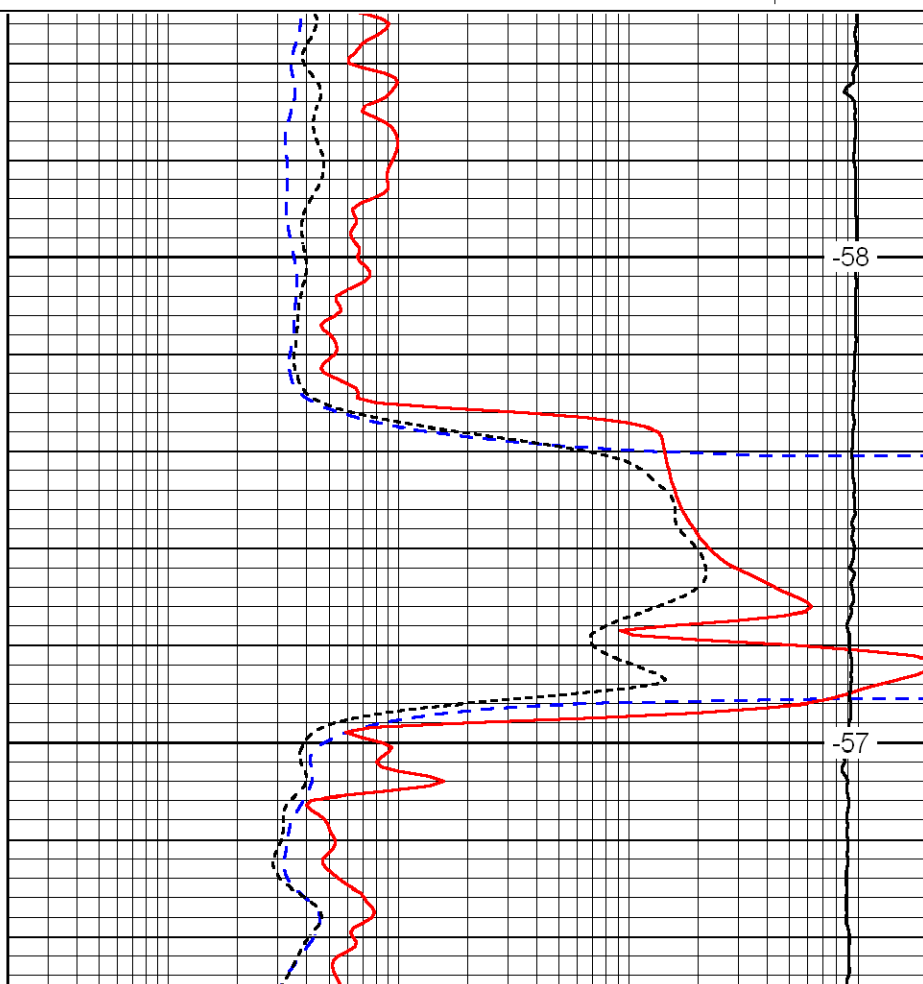
LSPD



1700

1750

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



-58

-57

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

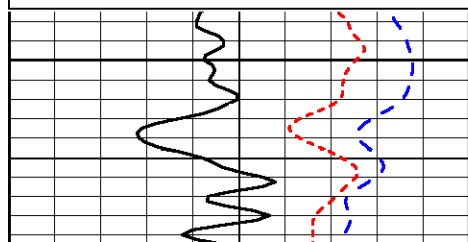
LSPD

Database File: c:\warrior\data\clipper_hart no. 1\clipperhd.db
 Dataset Pathname: DIL/clipstk
 Presentation Format: dil
 Dataset Creation: Sun Nov 02 15:31:40 2008
 Charted by: Depth in Feet scaled 1:240

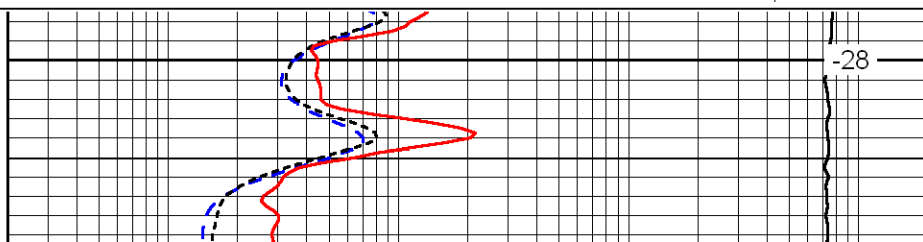
0	Gamma Ray	150
-200	SP	0
-160	Rxo / Rt	40

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

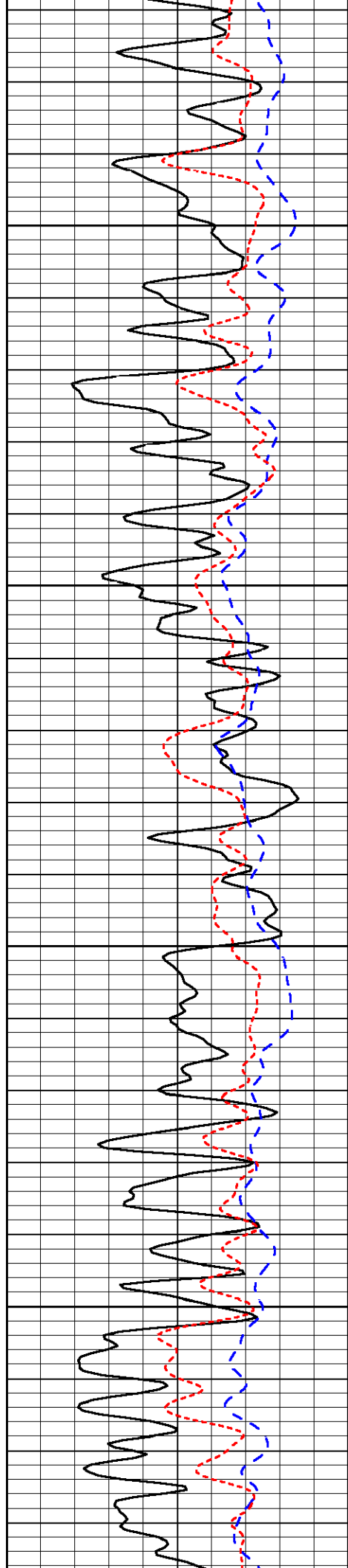
LSPD



2800



-28

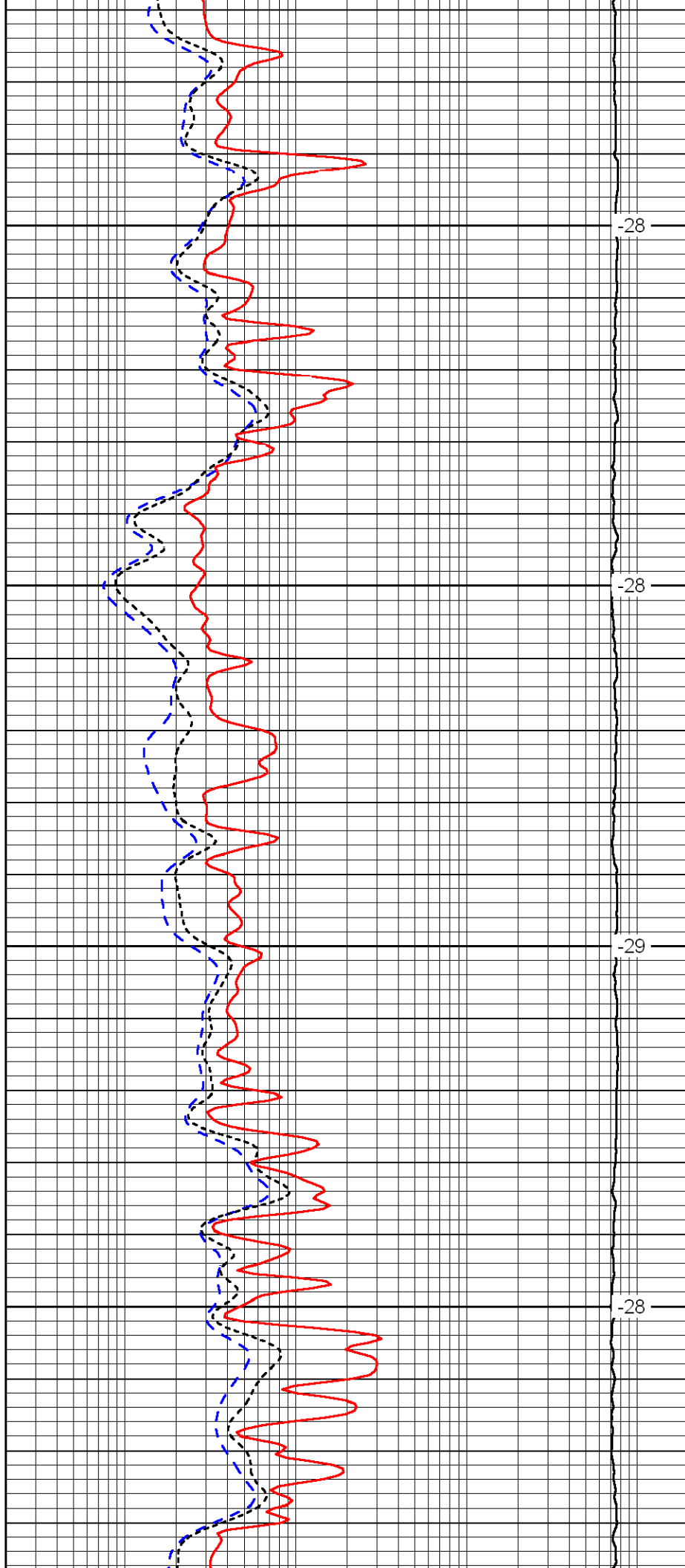


2850

2900

2950

3000

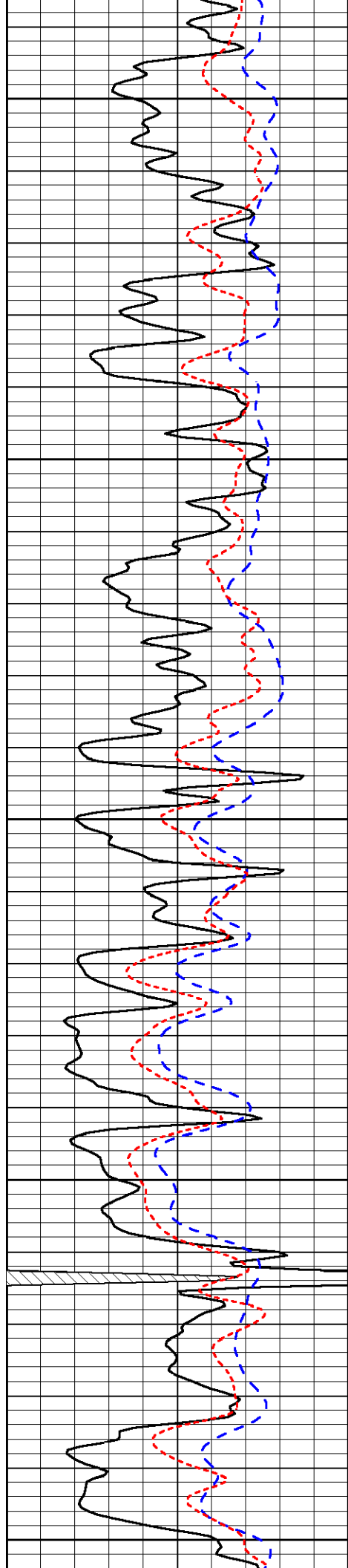


-28

-28

-29

-28



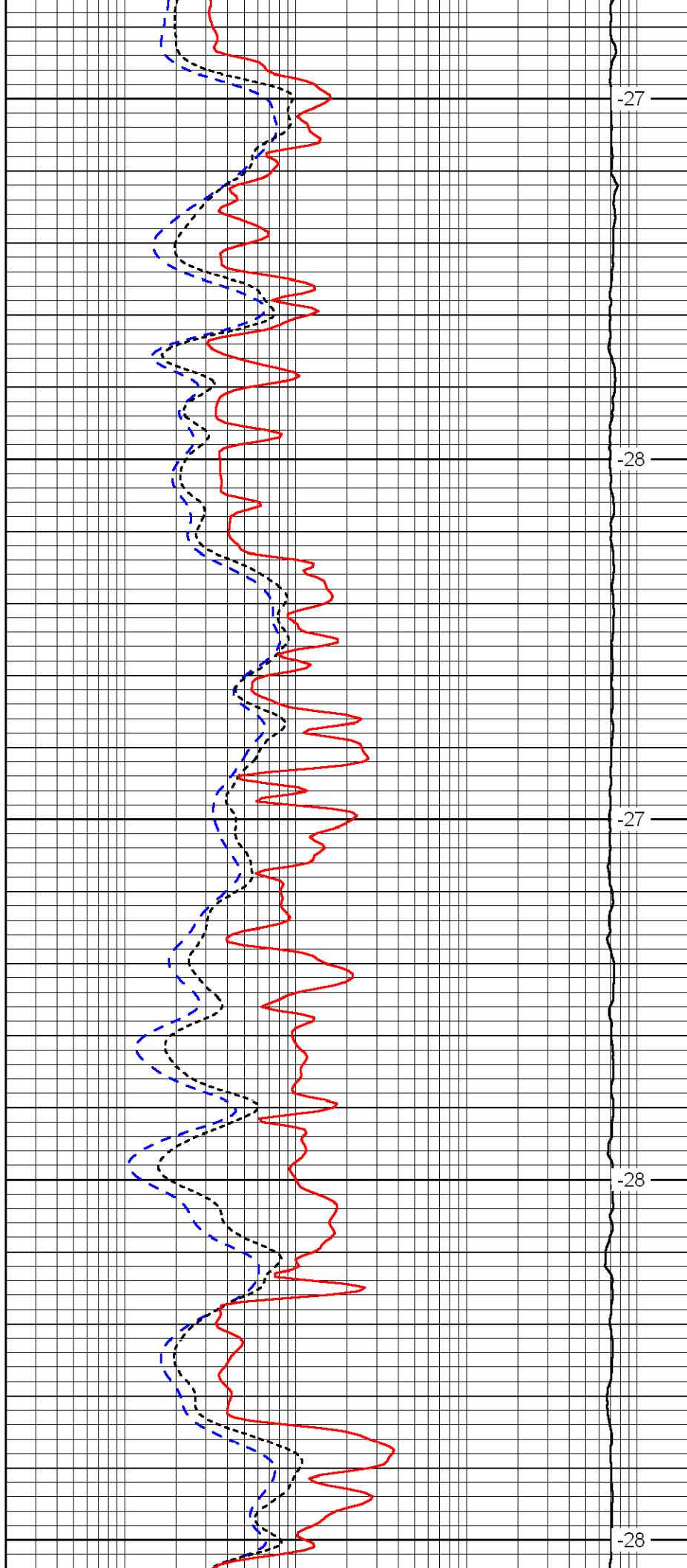
3050

3100

3150

3200

3250



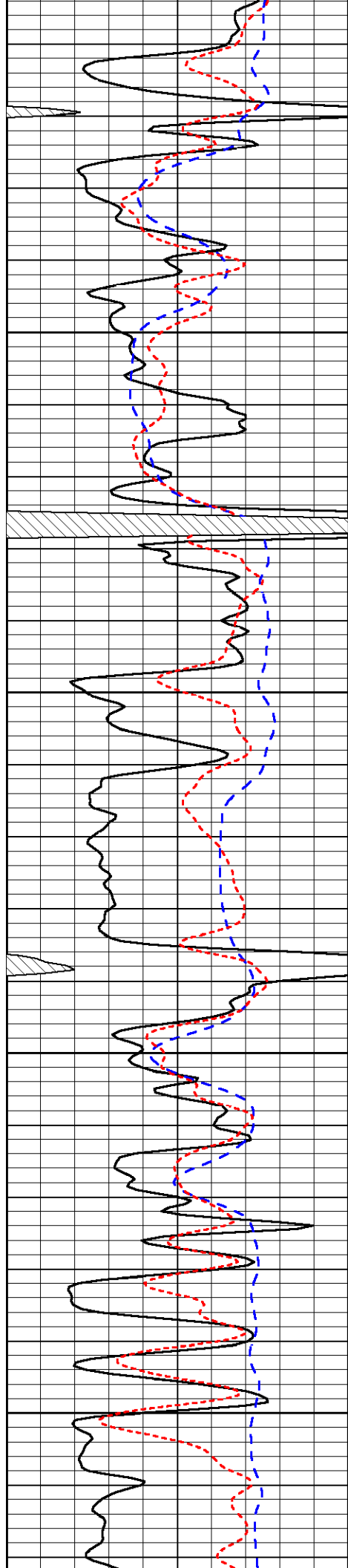
-27

-28

-27

-28

-28

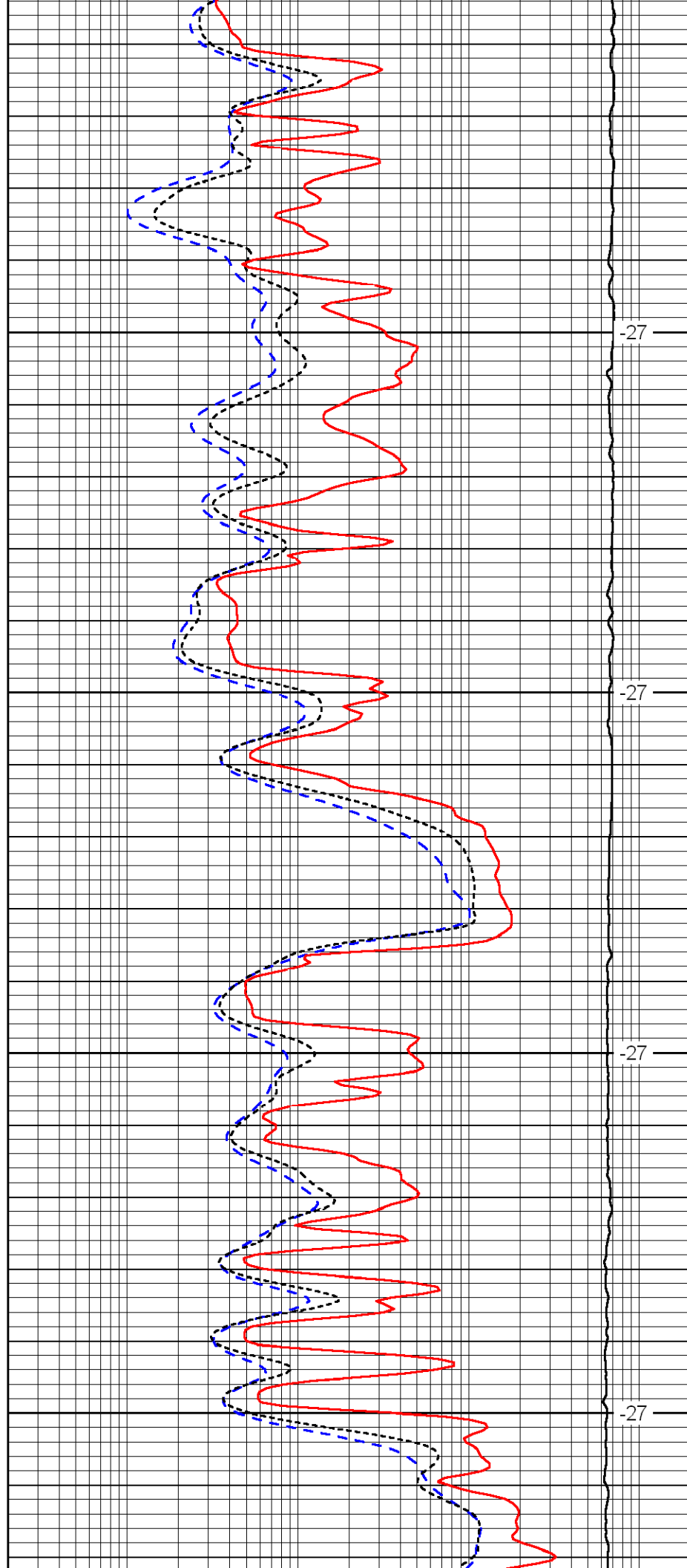


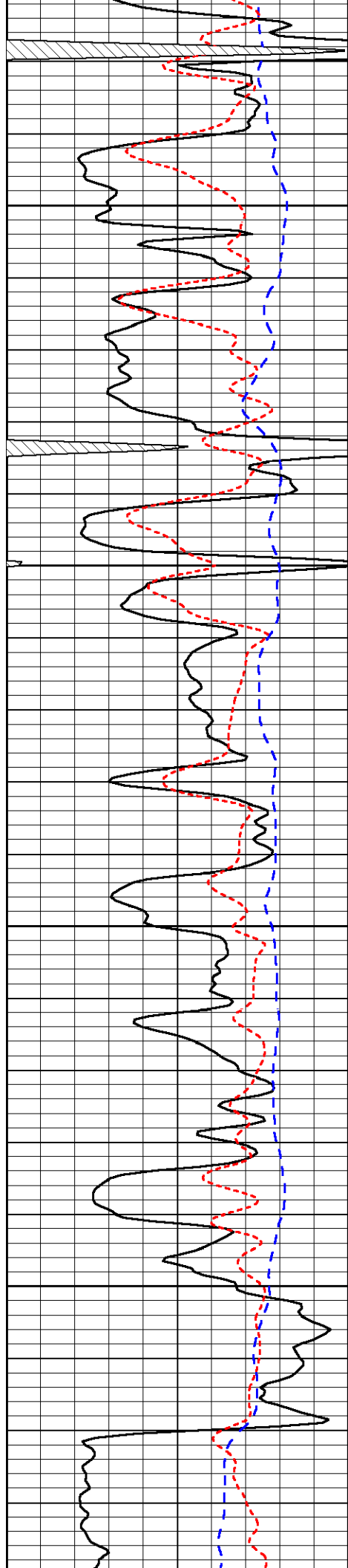
3300

3350

3400

3450



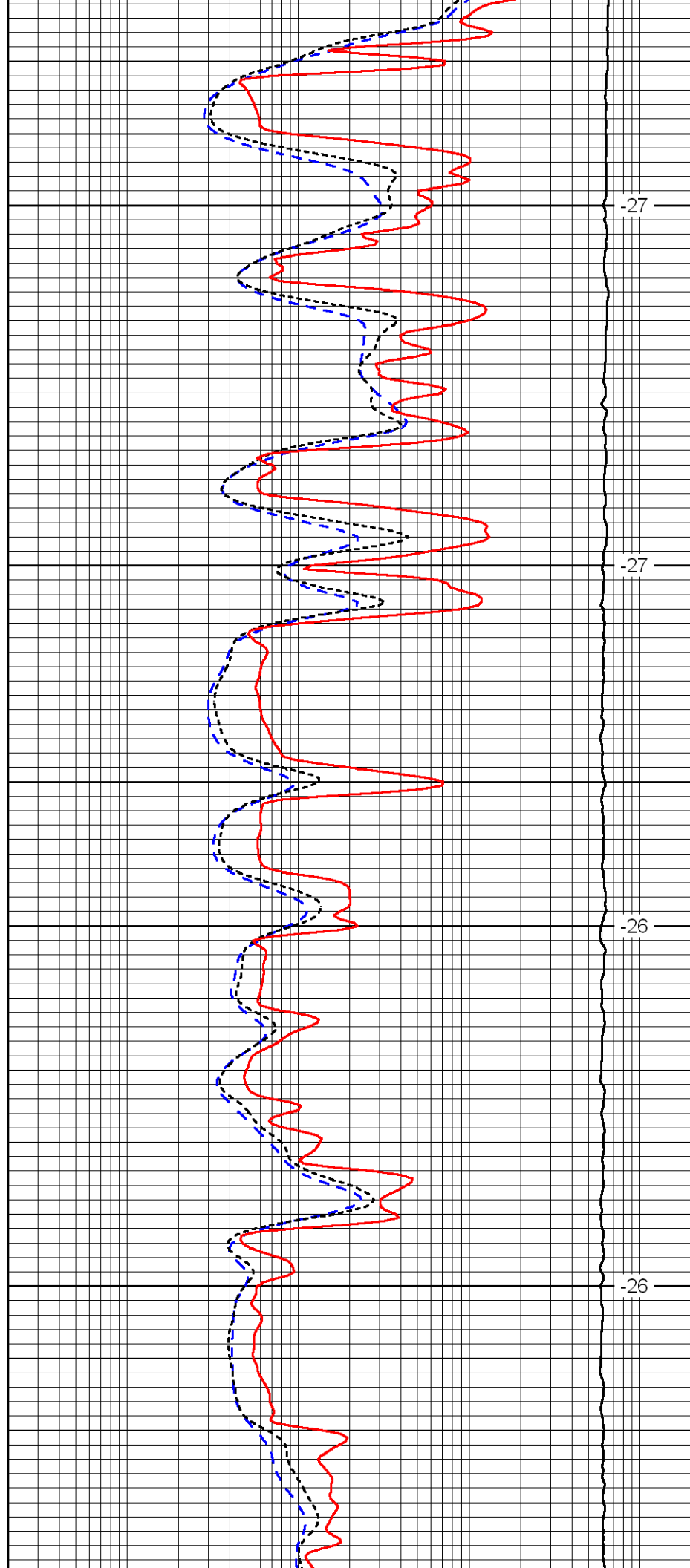


3500

3550

3600

3650

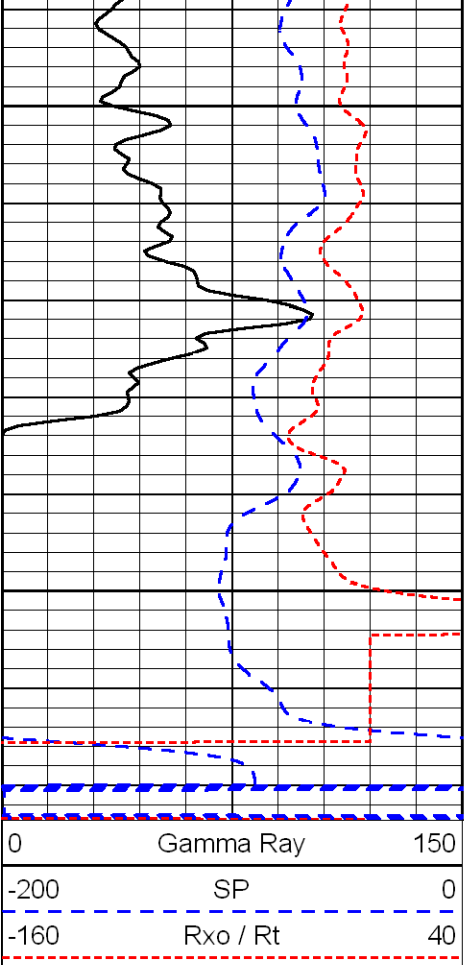


-27

-27

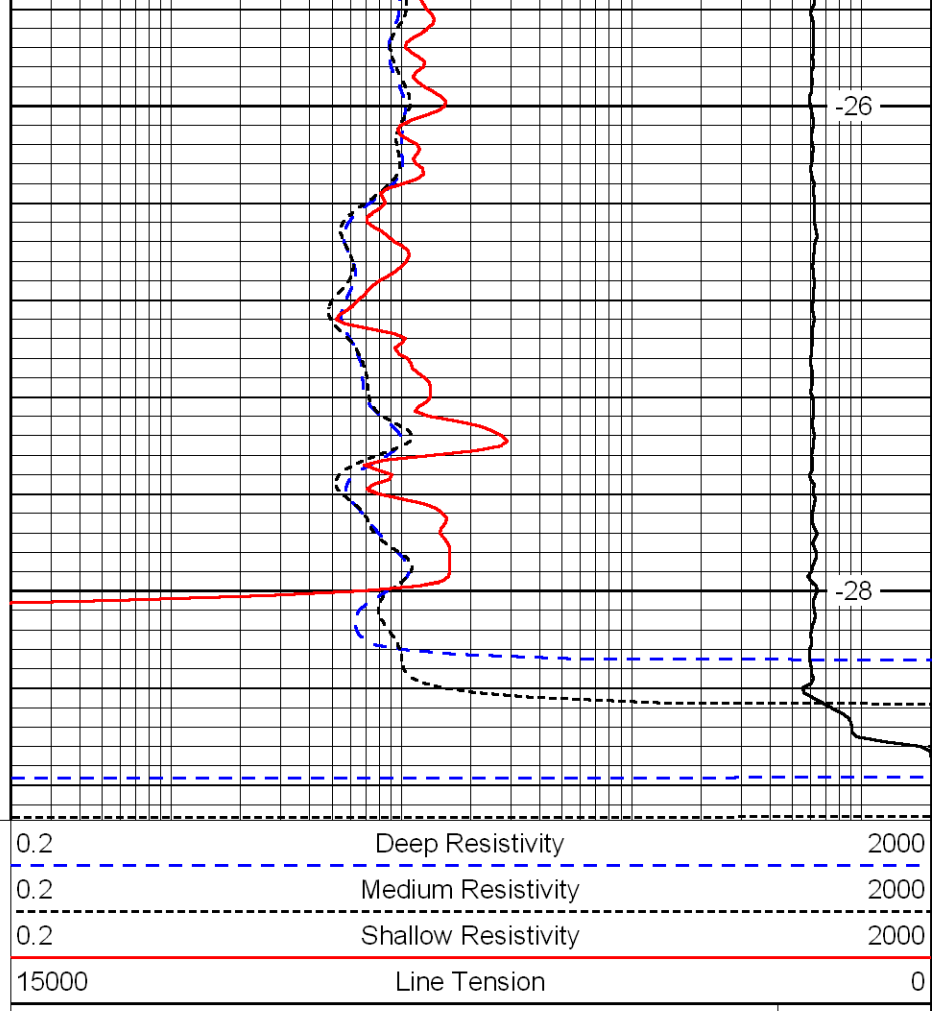
-26

-26



3700

3750



-26

-28

LSPD