



Dual Induction Log

Pioneer Energy Services

API No.

15-009-25,775-00-00

Company L.D. Drilling, Inc.

Well Peters #1-8

Field Chase-Silica

County Barton State Kansas

Location

NE SE NW
1,650' FNL & 2,310' FWL

Sec: 8 Twp: 20S Rge: 11W

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

Elevation 1776
5 Ft. Above Perm. Datum

Other Services
CNL/CDL
MEL

Elevation
K.B. 1781
D.F. 1776
G.L. 1776

Date

11/12/2012

Run Number

One

Depth Driller

3410

Depth Logger

3409

Bottom Logged Interval

3408

Top Log Interval

400

Casing Driller

8.625 @ 427

Casing Logger

428

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

5000

Density / Viscosity

9.3 52

pH / Fluid Loss

9.5 9.6

Source of Sample

Flowline

Rm @ Meas. Temp

.45 @ 60

Rmf @ Meas. Temp

.34 @ 60

Rmc @ Meas. Temp

.61 @ 60

Source of Rmf / Rmc

Charts

Rm @ BHT

.25 @ 110

Operating Rig Time

4 Hours

Max Rec. Temp. F

110

Equipment Number

108

Location

Hays

Recorded By

J. Long

Witnessed By

Josh Austin

<<< 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

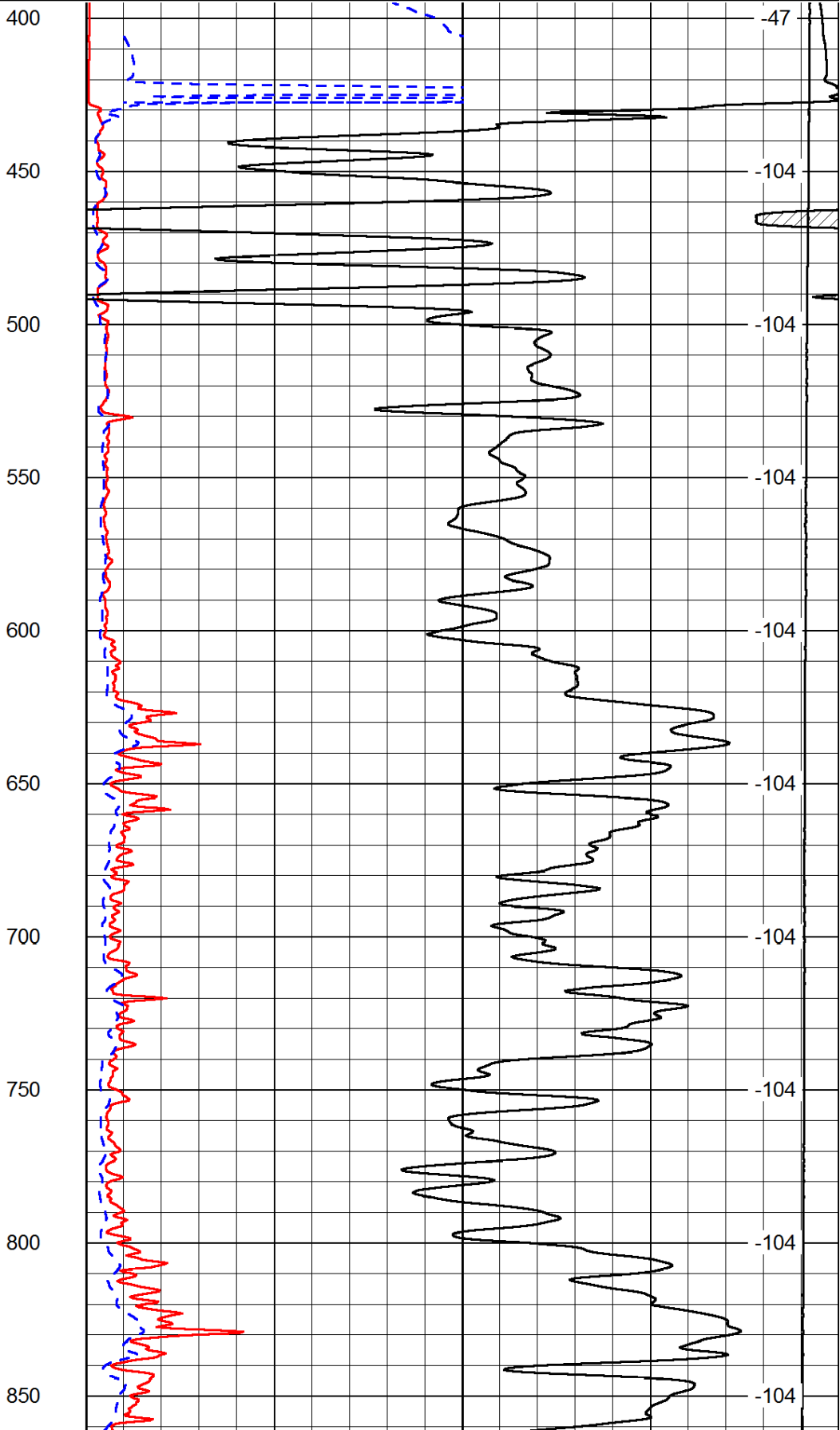
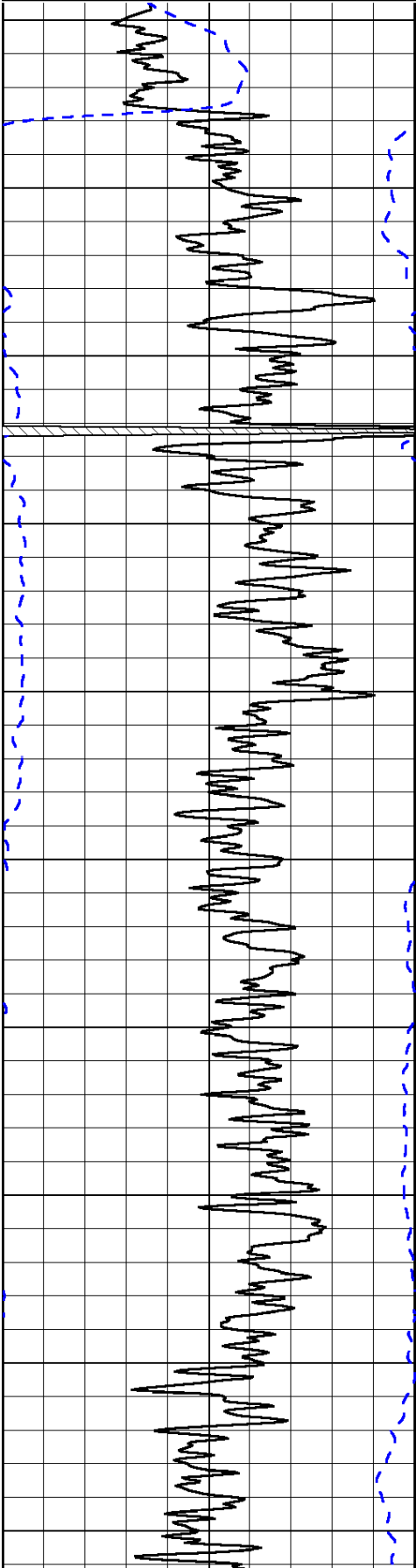
Thank you for using Pioneer Energy Services
www.pioneerenergy.com
785 625 3858

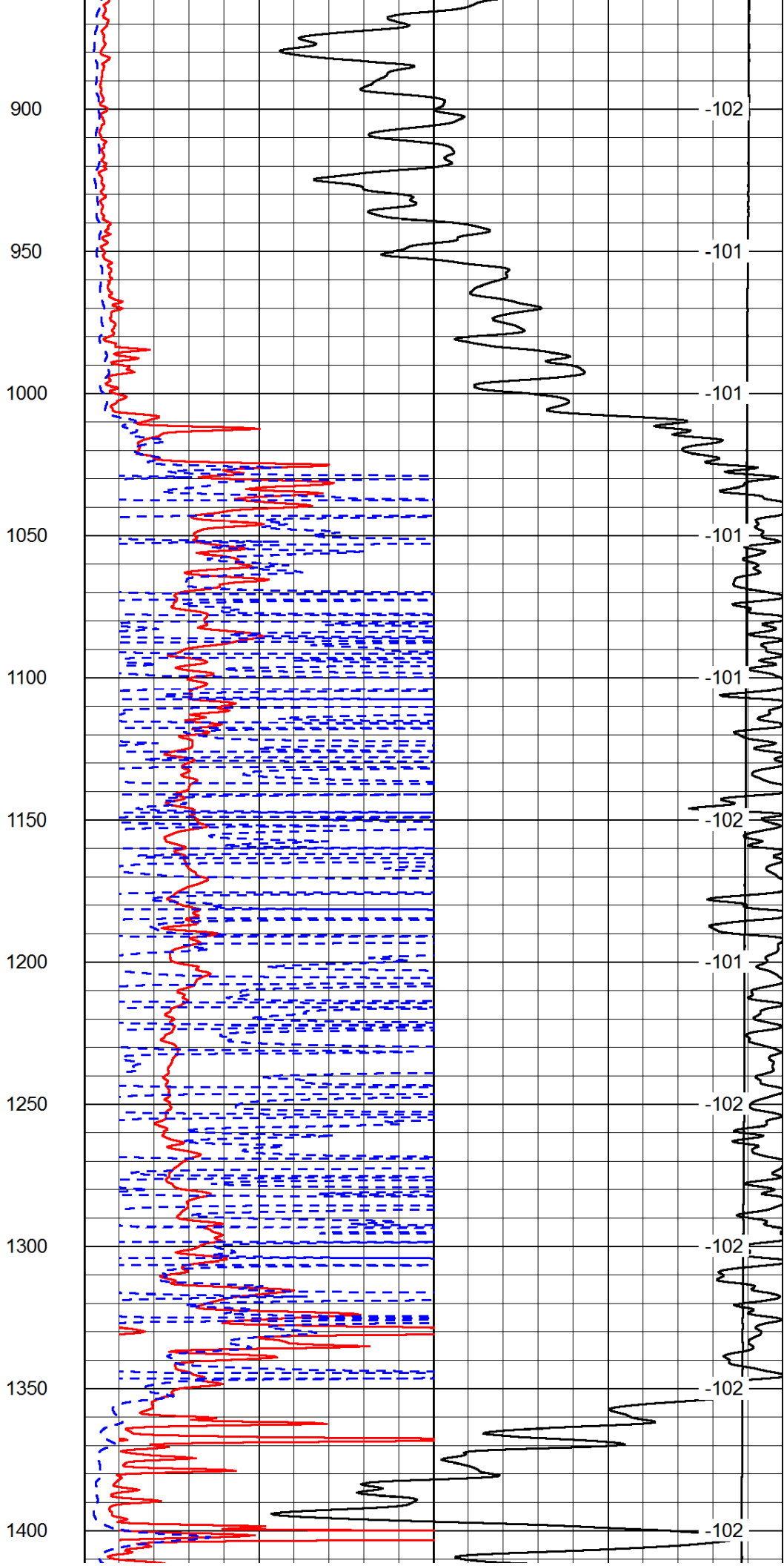
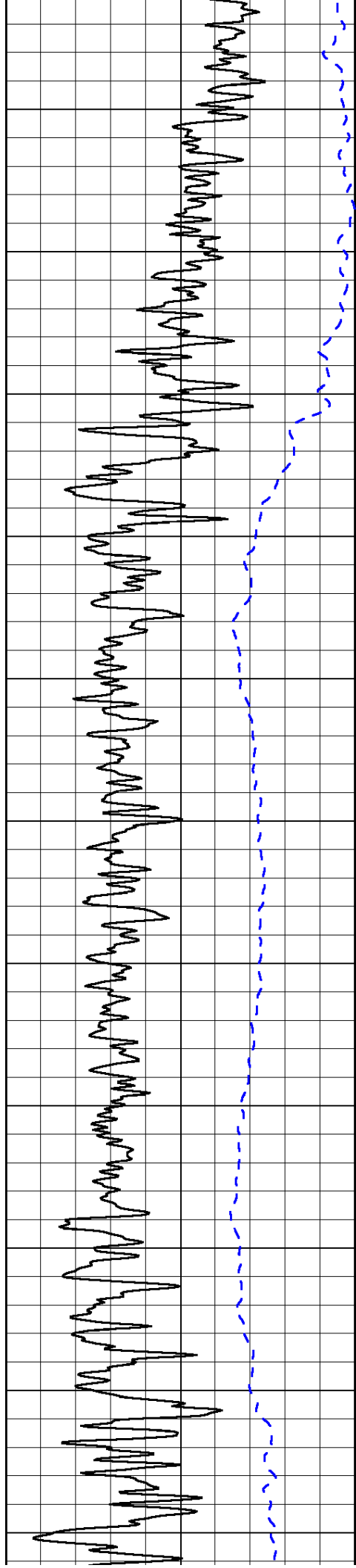
Ellinwood, South to Curve (SE 20th Road), 1 East, South Into

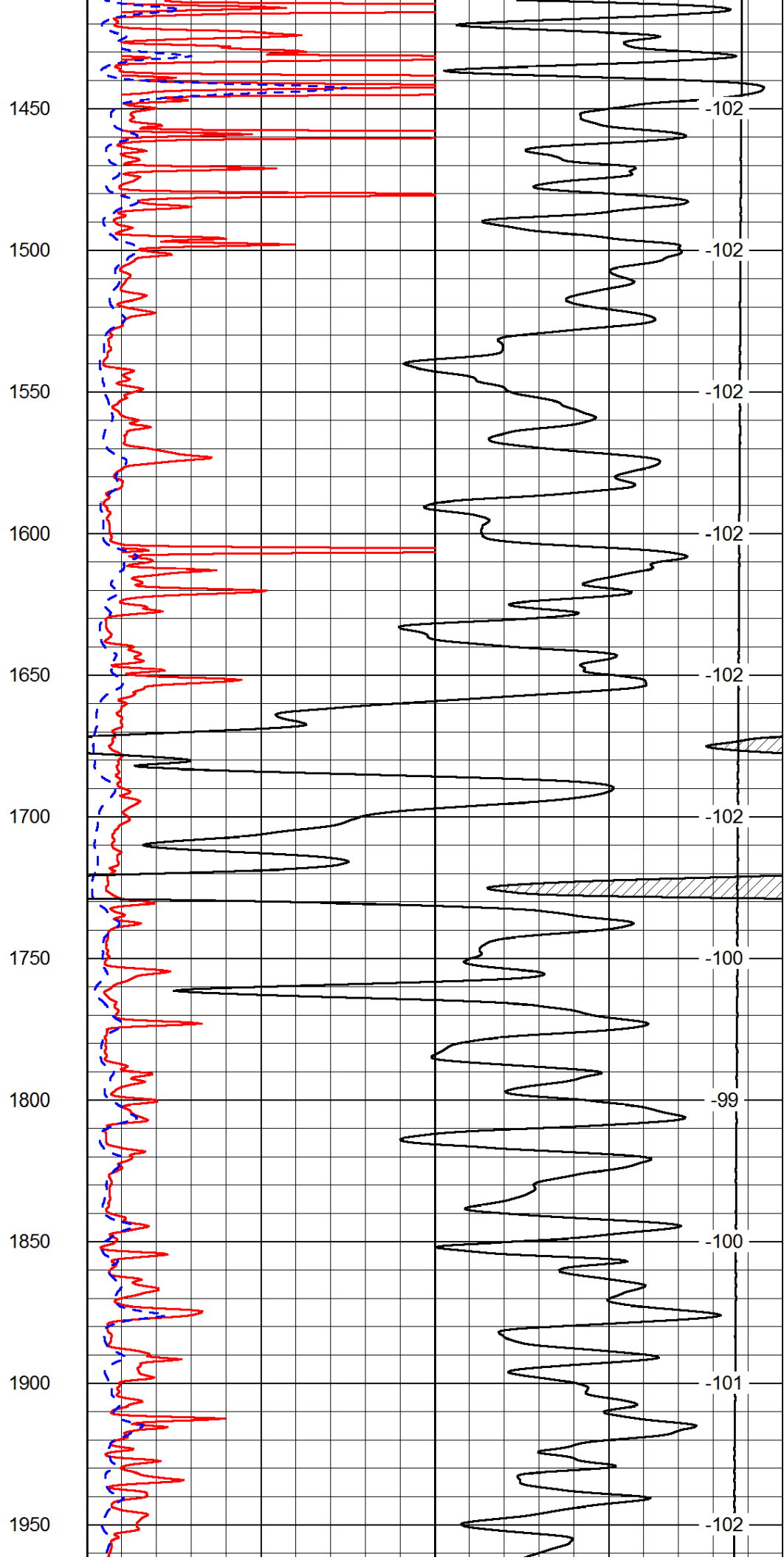
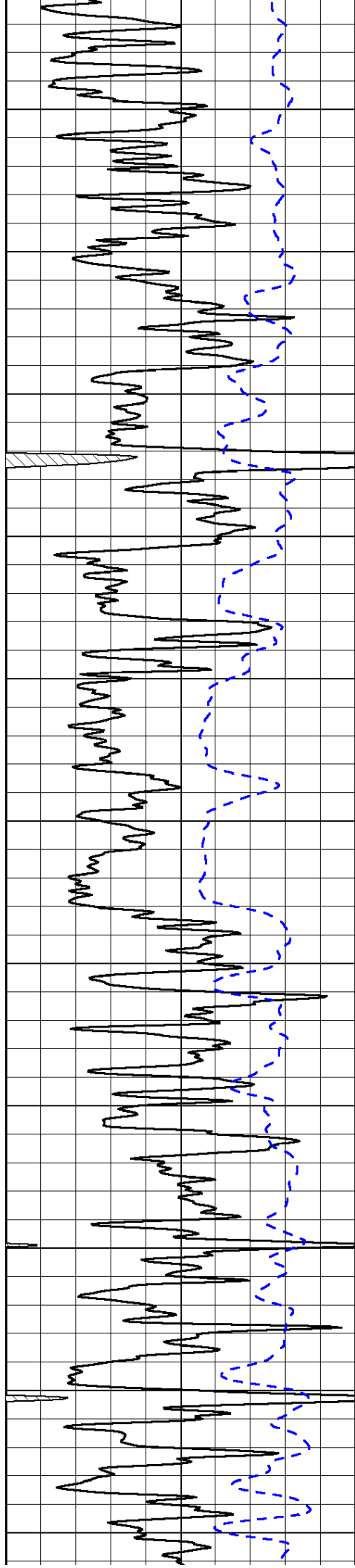
Database File: c:\warrior\data\ld_drilling_peters #1-8\ld_peters_1-8hd.db
Dataset Pathname: dil\ldstck
Presentation Format: dil2in
Dataset Creation: Mon Nov 12 12:19:06 2012
Charted by: Depth in Feet scaled 1:600

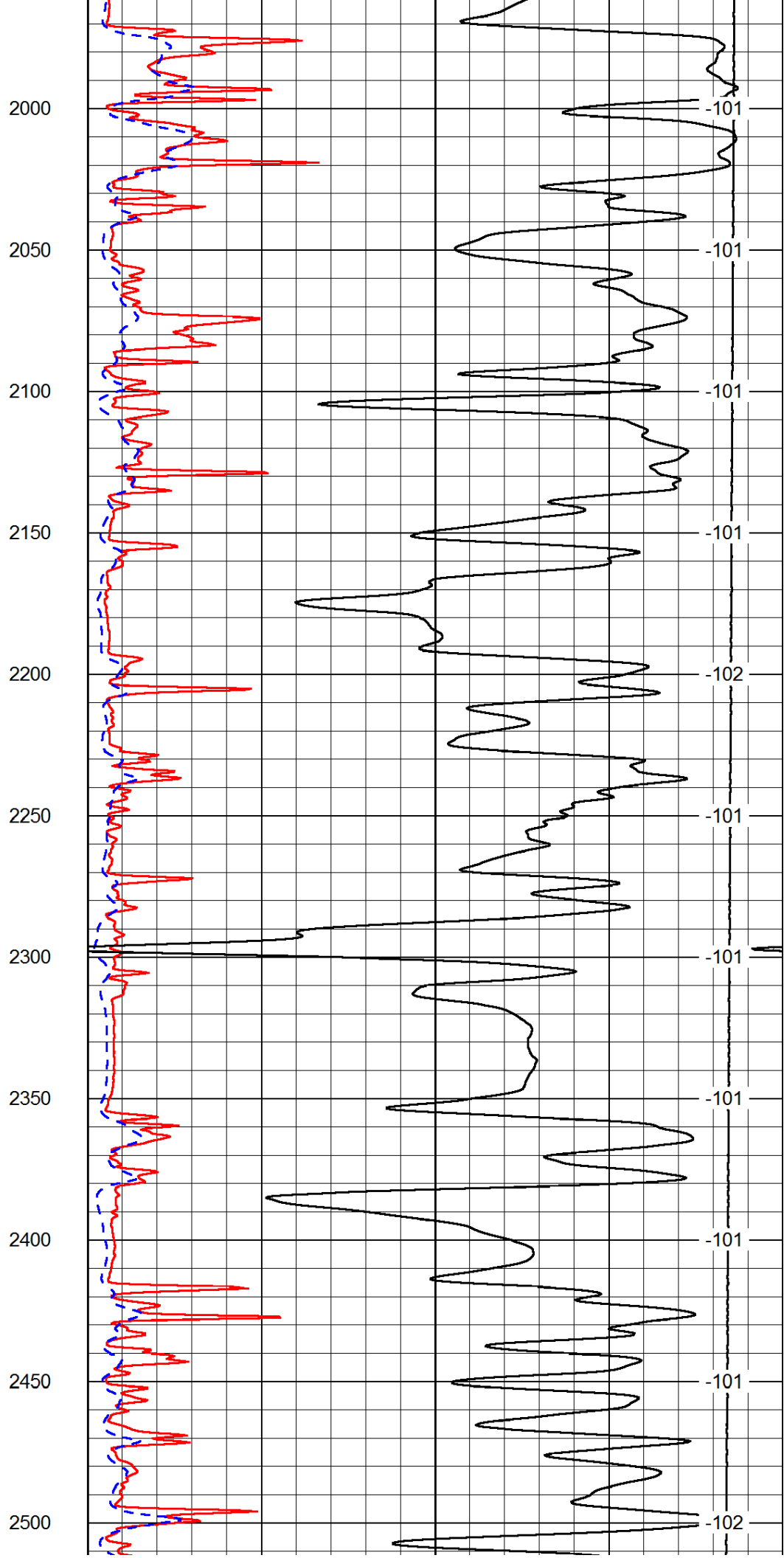
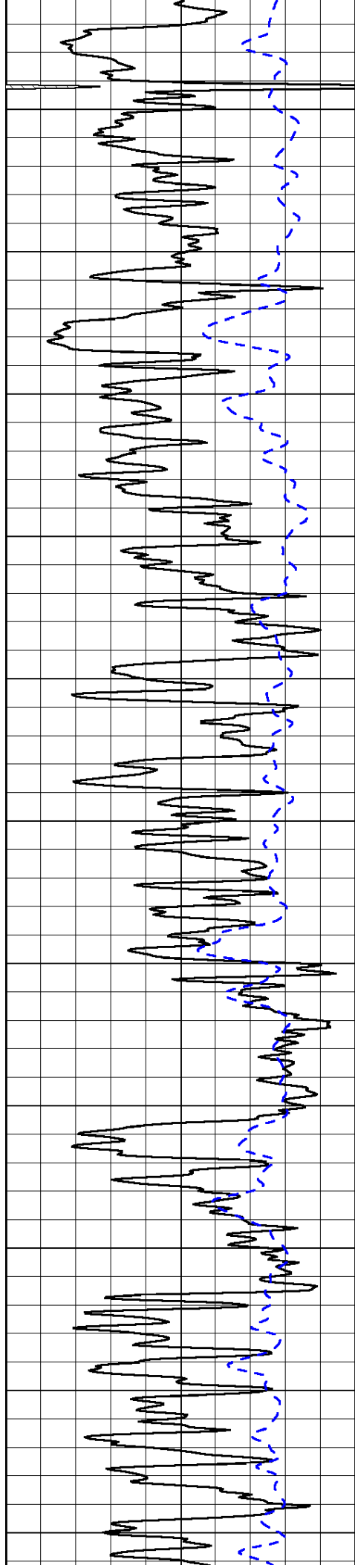
0	Gamma Ray	150
-200	SP (mV)	0

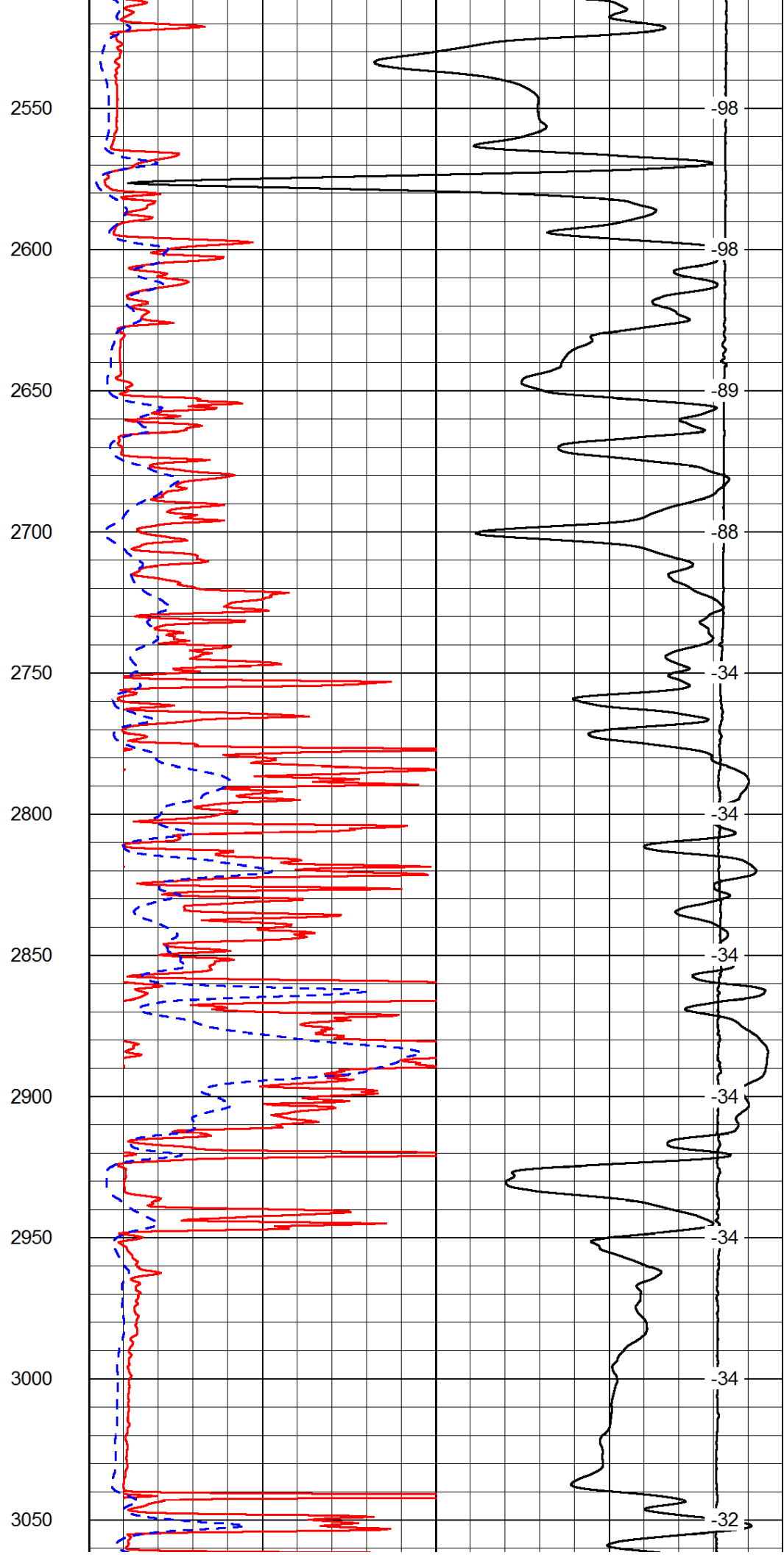
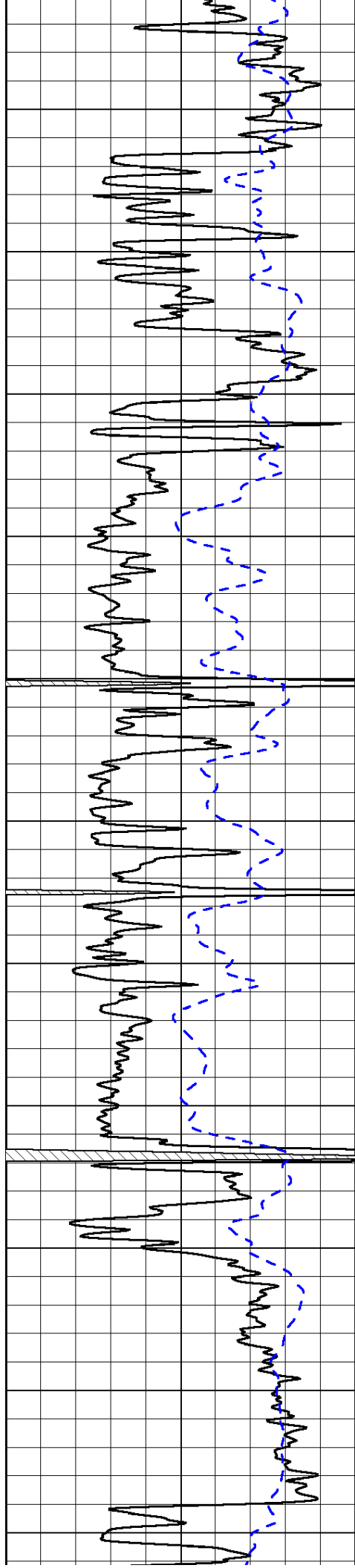
0	Shallow Resistivity	50	LSPD
0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

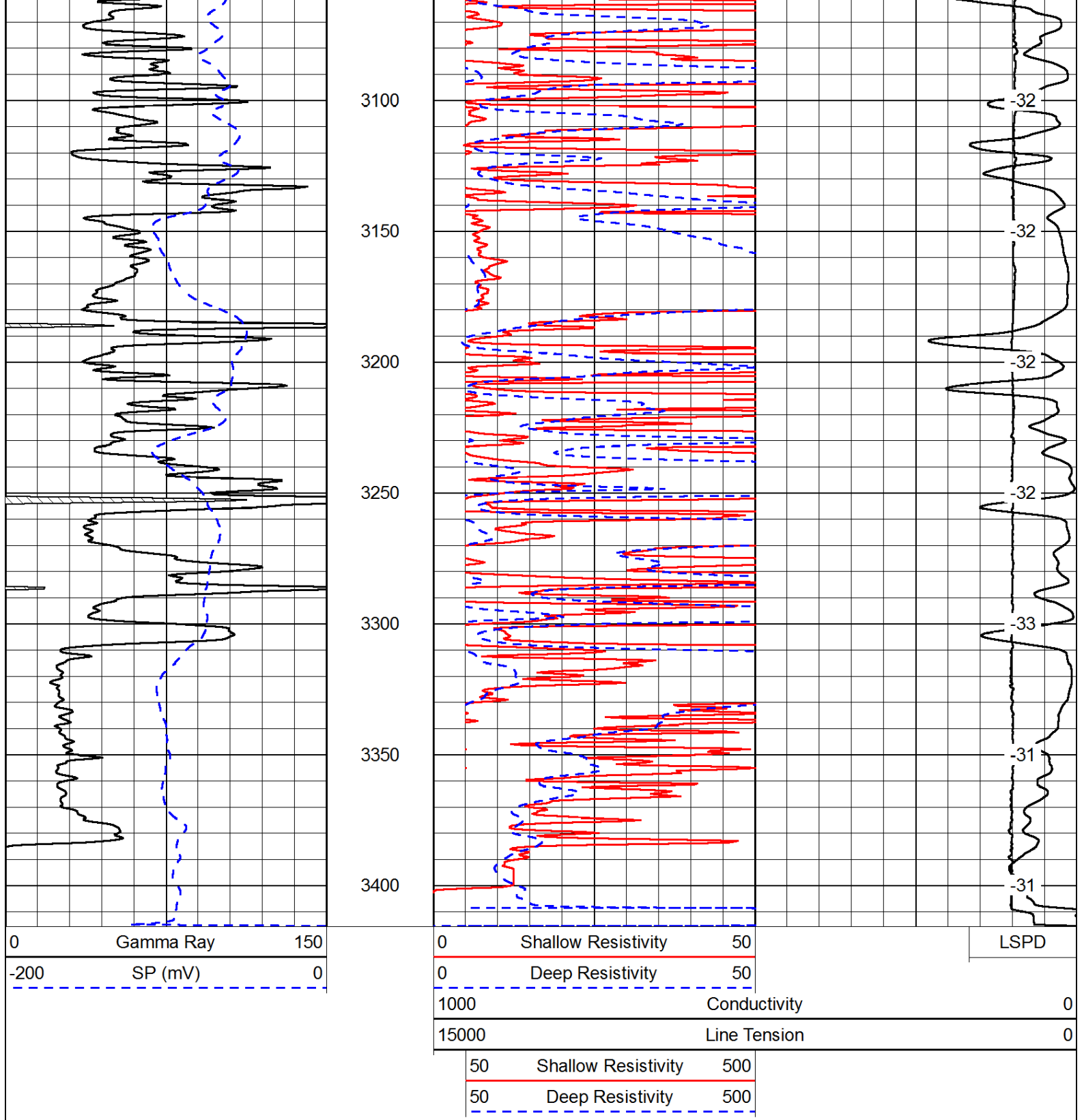




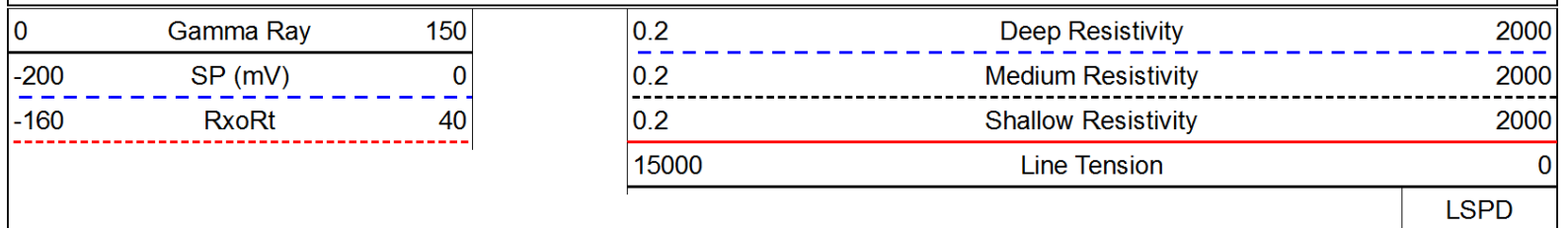


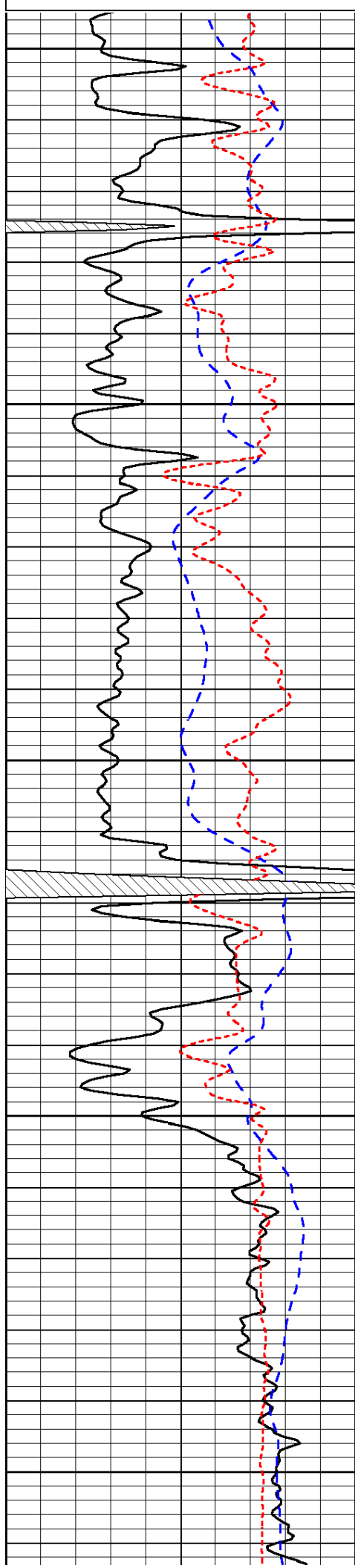






Database File: c:\warrior\data\ld drilling_peters #1-8\ld_peters_1-8hd.db
Dataset Pathname: dil\ldstck
Presentation Format: dil
Dataset Creation: Mon Nov 12 12:19:06 2012
Charted by: Depth in Feet scaled 1:240





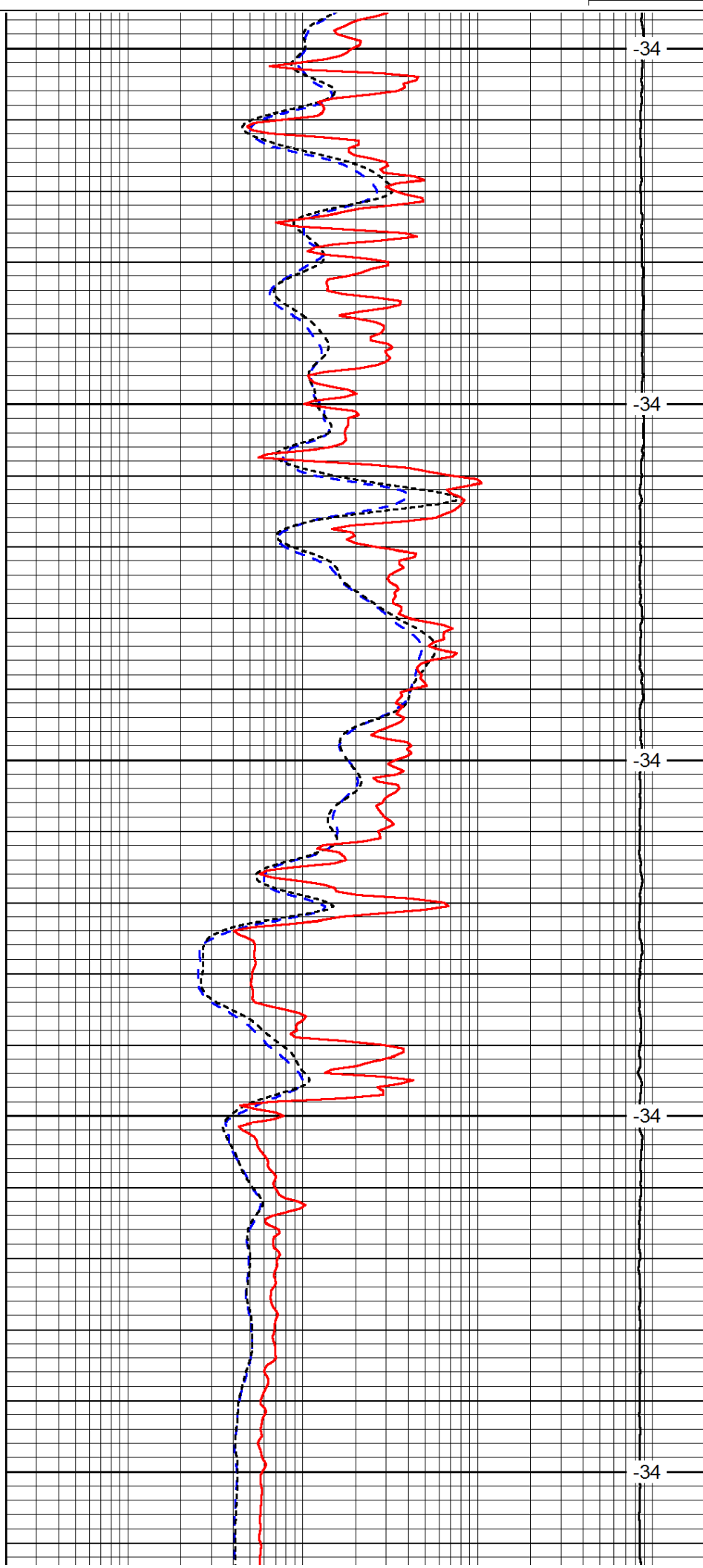
2800

2850

2900

2950

3000



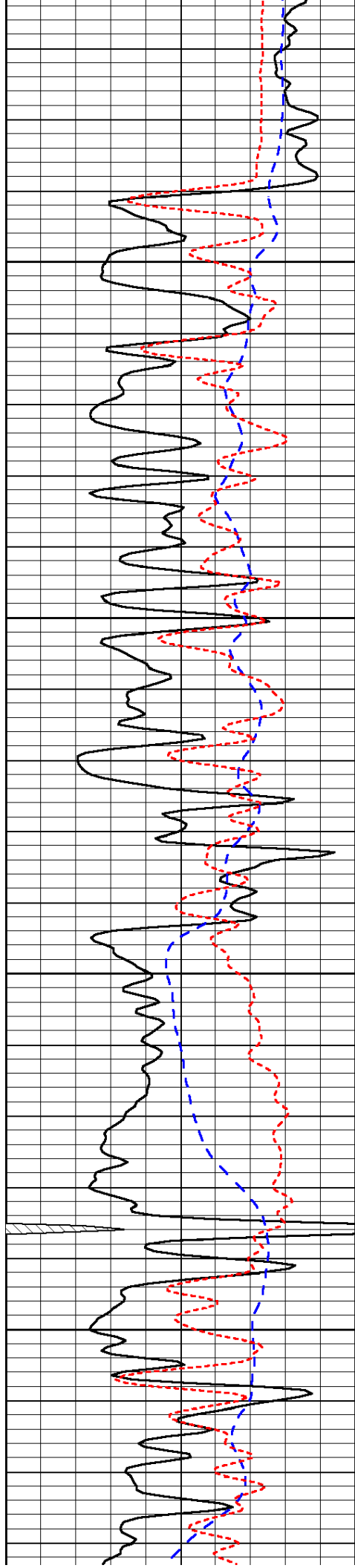
-34

-34

-34

-34

-34

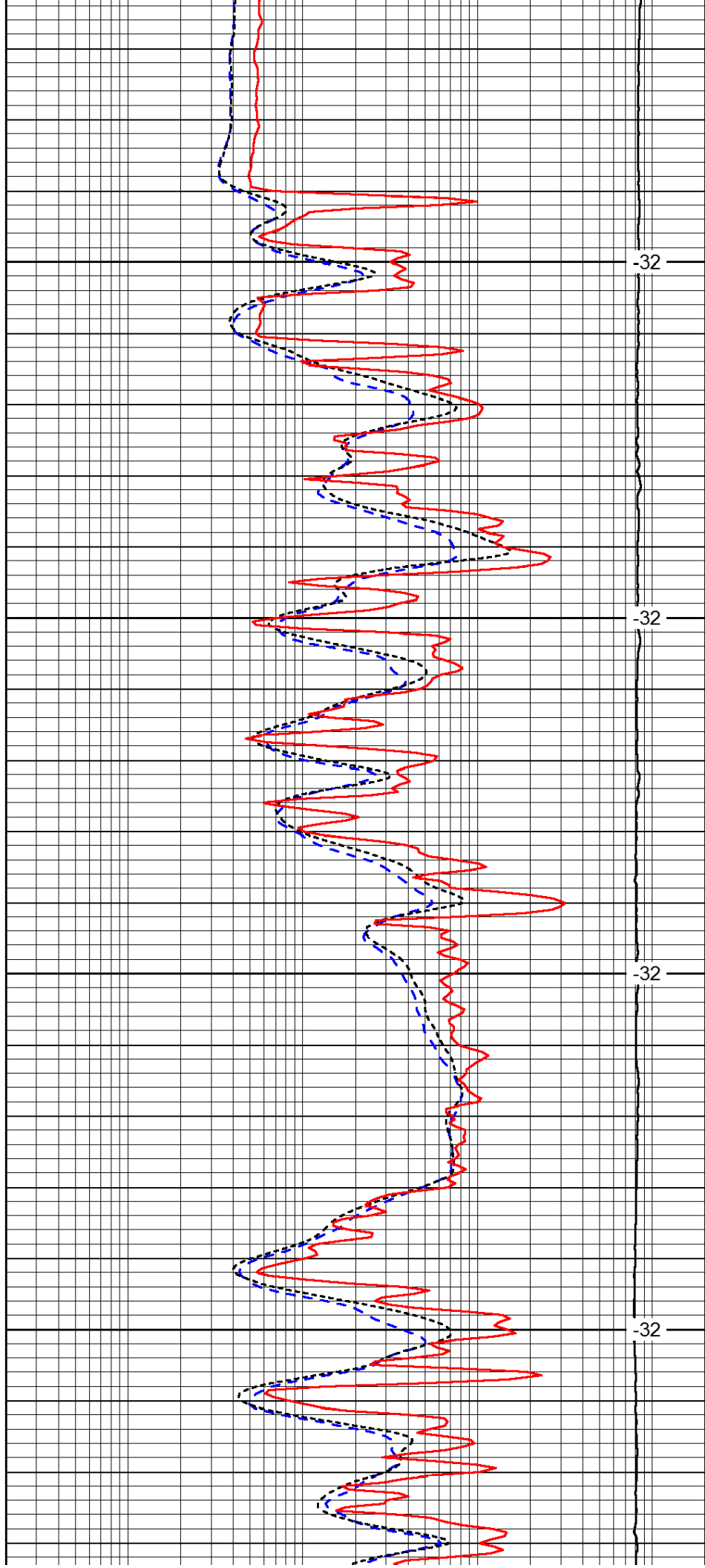


3050

3100

3150

3200

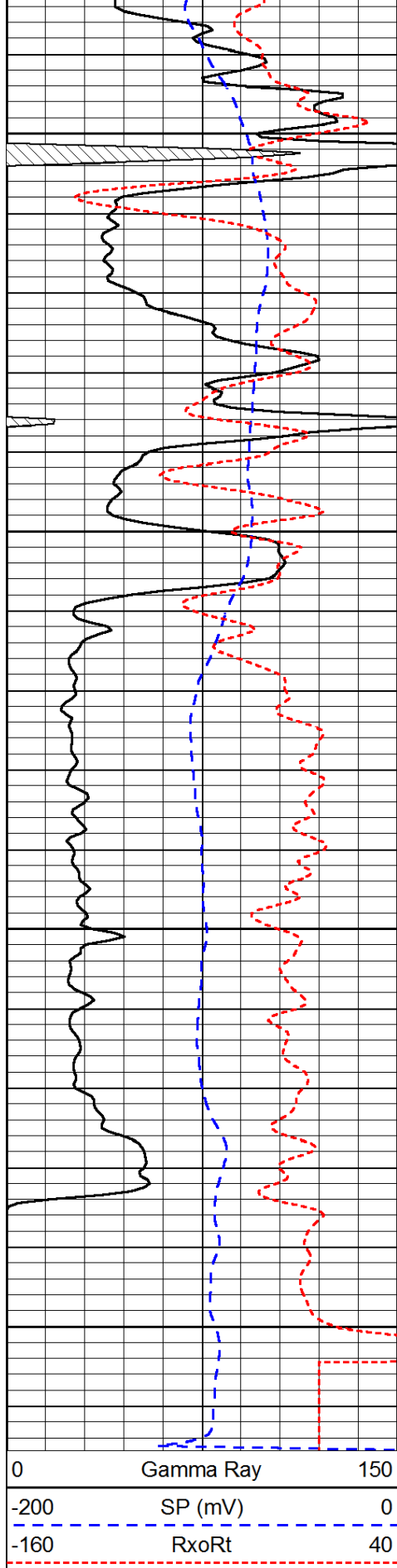


-32

-32

-32

-32



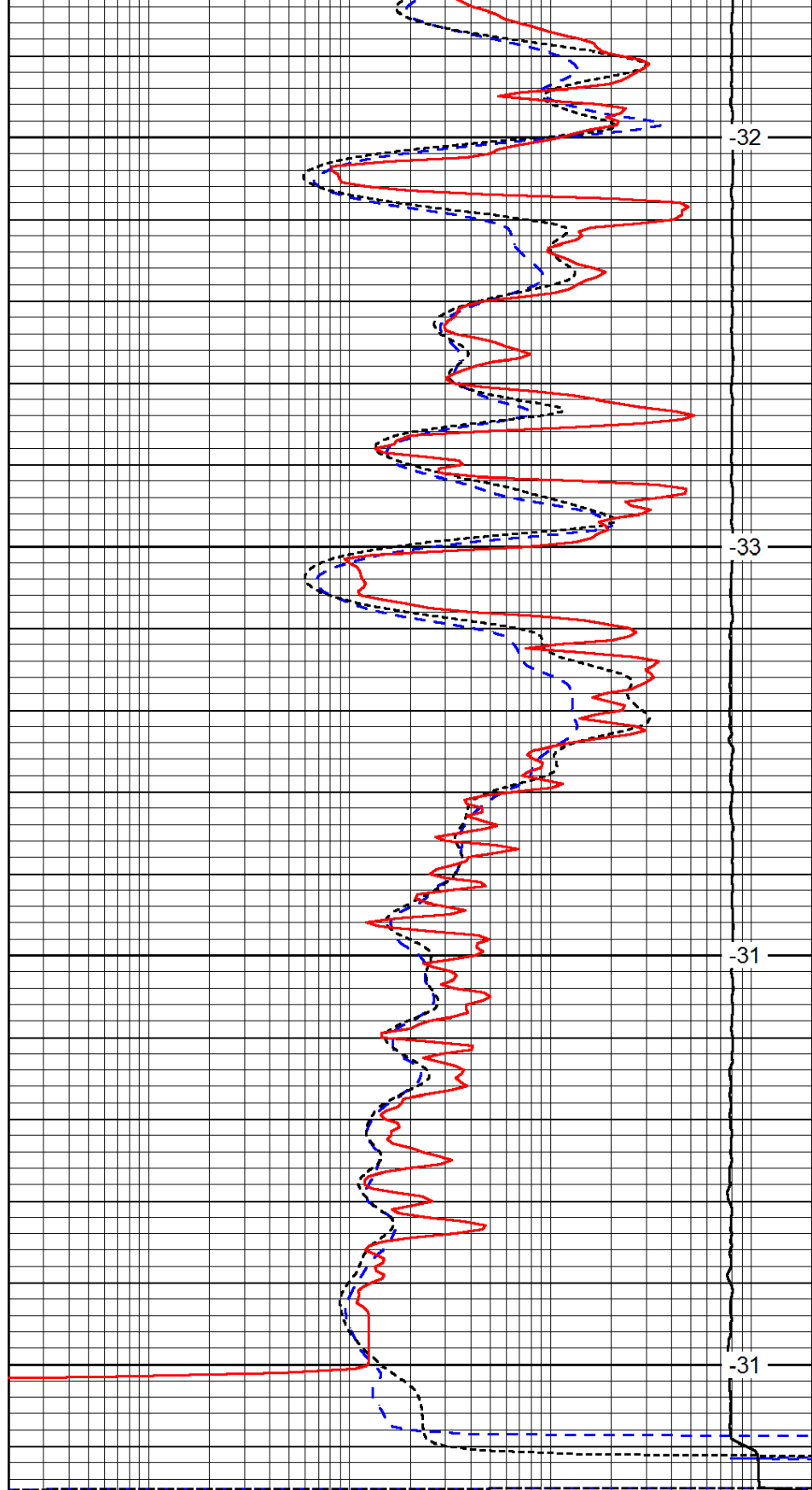
3250

3300

3350

3400

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



32

33

31

31

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

LSPD