



Dual Induction Log

Pioneer Energy Services

API No.

15-009-25,774-00-00

Company **Carrie Exploration & Development**

Well **John Roth No. C3**

Field

County **Barton**

State

Kansas

Location

**S2 NW NW SW
2,230' FSL & 330' FWL**

Sec: 34

Twp: 19S

Rge: 11W

Elevation

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

Elevation 1774

8 Ft. Above Perm. Datum

Other Services
CNL/CDL
MEL

Date

11/30/2012

Run Number

One

Depth Driller

3430

Depth Logger

3430

Bottom Logged Interval

3429

Top Log Interval

250

Casing Driller

8.625 @ 253

Casing Logger

252

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

--

Density / Viscosity

9.0

pH / Fluid Loss

--

Source of Sample

Flowline

Rm @ Meas. Temp

.45 @ 50

Rmf @ Meas. Temp

.34 @ 50

Rmc @ Meas. Temp

.61 @ 50

Source of Rmf / Rmc

Charts

Rm @ BHT

.20 @ 110

Operating Rig Time

4 Hours

Max Rec. Temp. F

110

Equipment Number

108

Location

Hays

Recorded By

J. Long

Witnessed By

Herb Deines

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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.pioneerres.com
785 625 3858

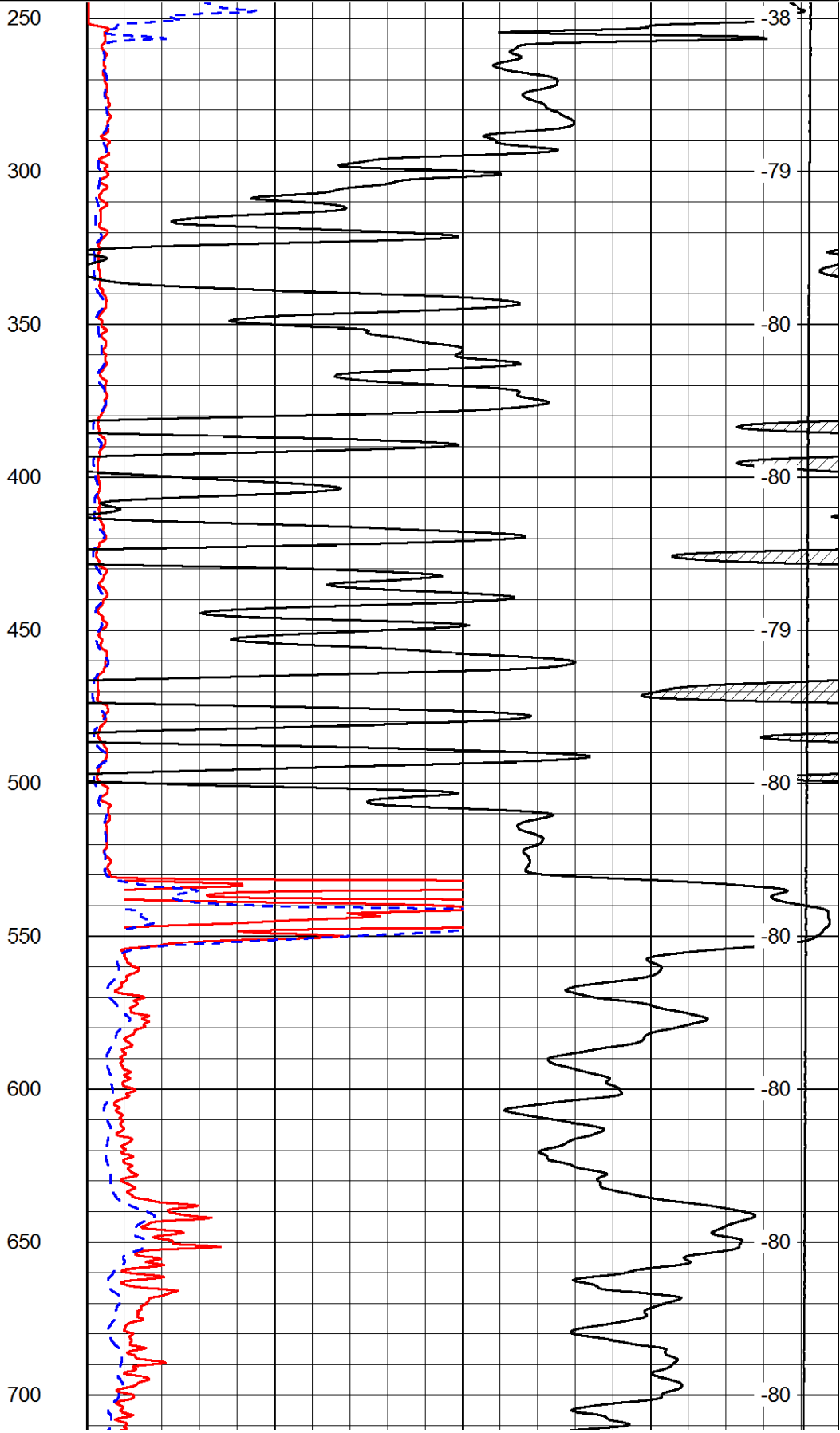
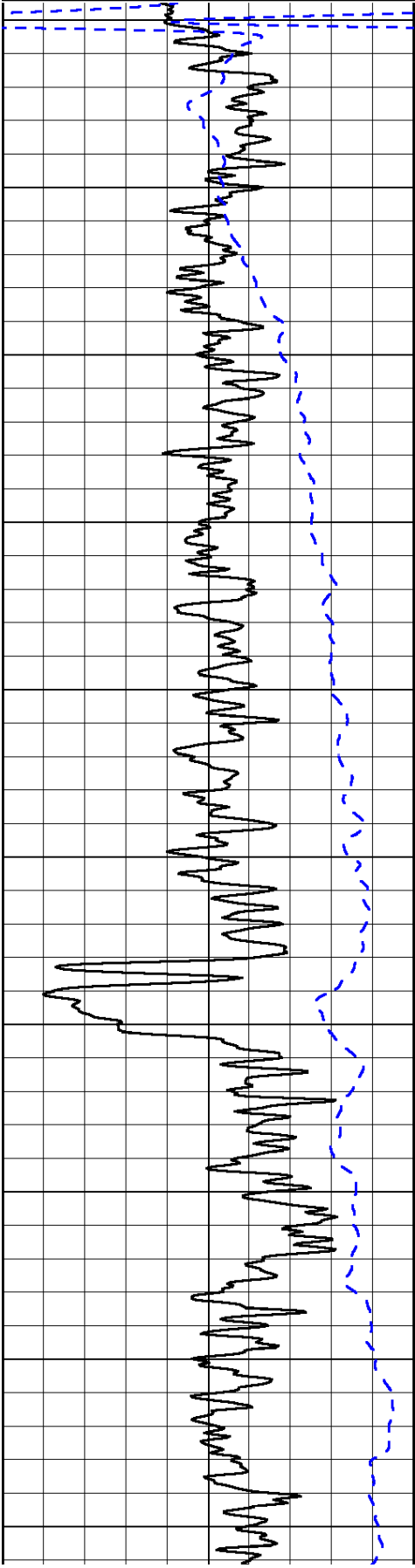
Ellinwood, East to SE 130th Avenue, North across tracks, East Into

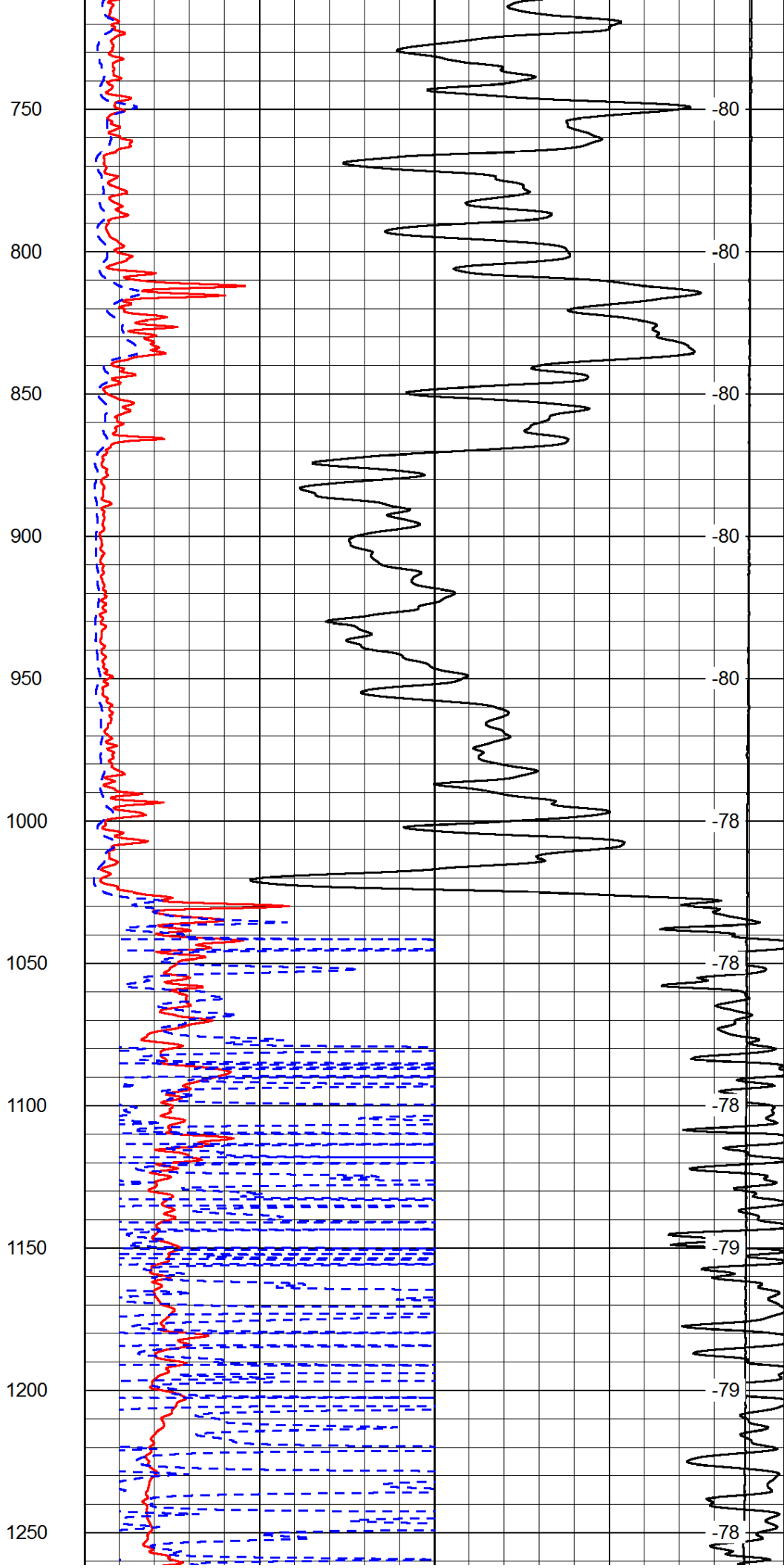
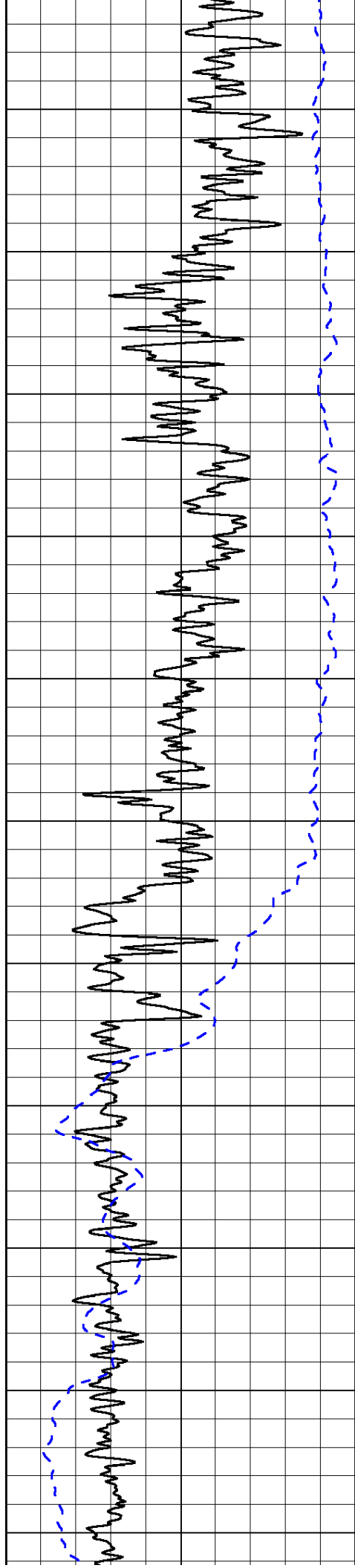
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Dataset Pathname: dil/carrstck
Presentation Format: dil2in
Dataset Creation: Fri Nov 30 09:41:38 2012
Charted by: Depth in Feet scaled 1:600

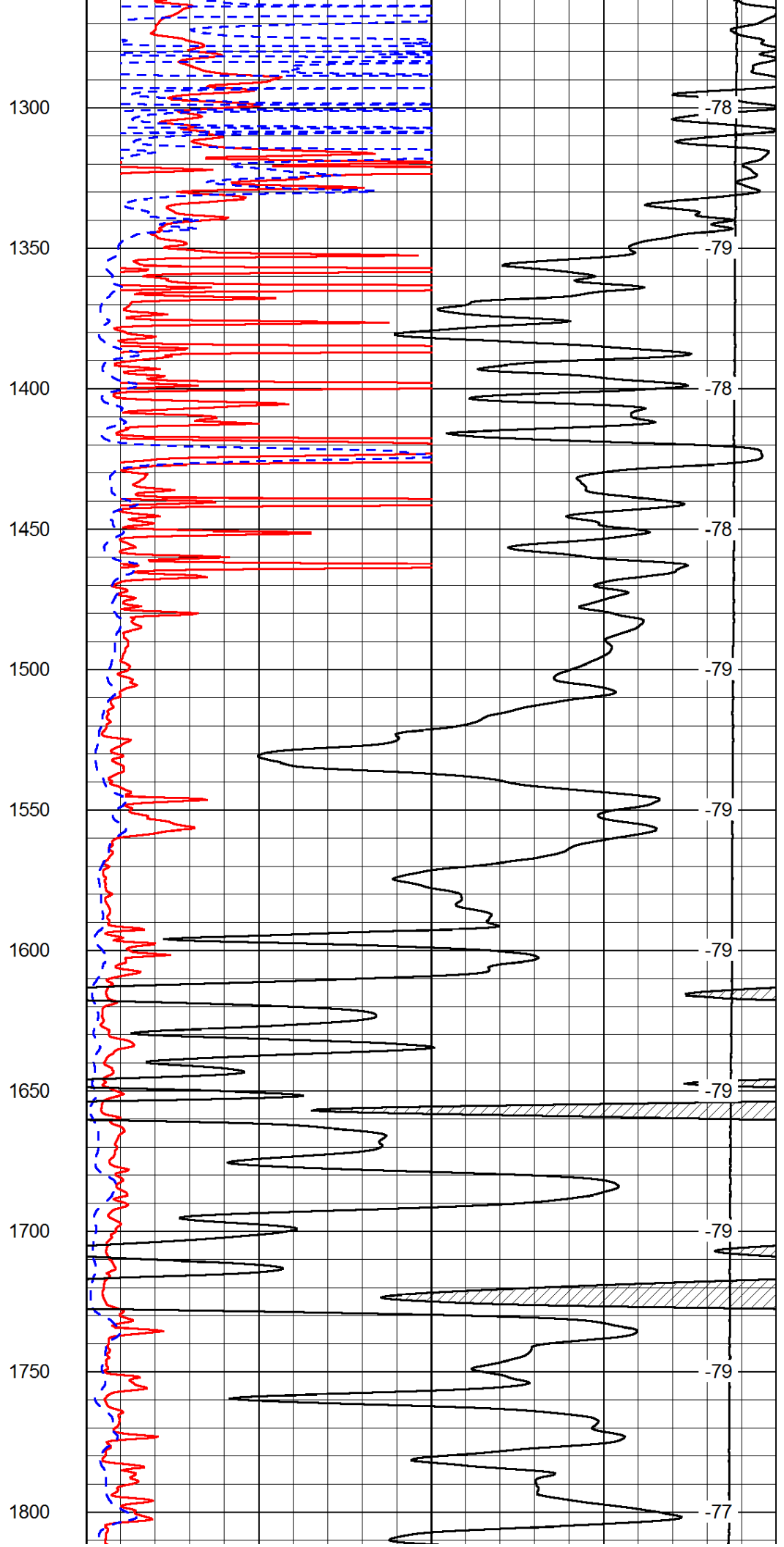
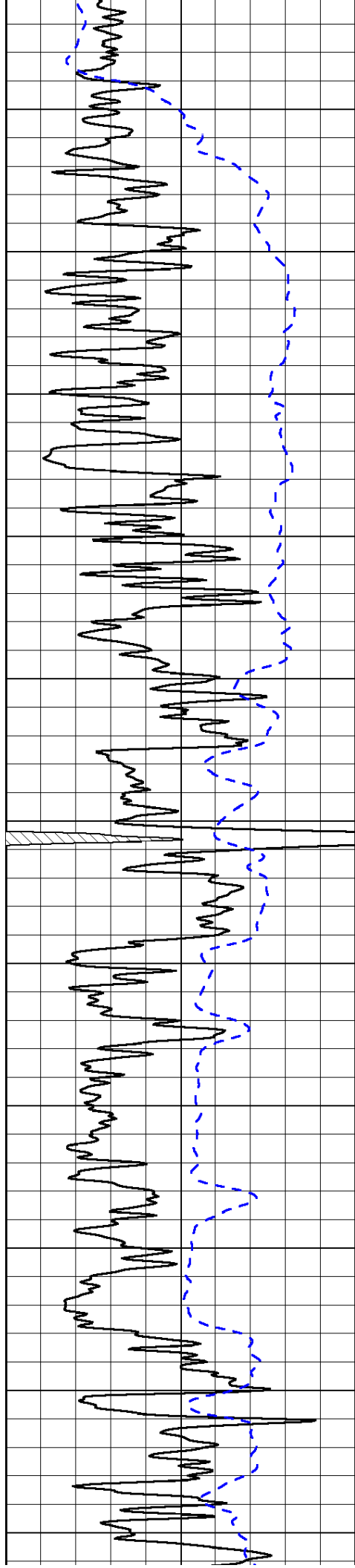
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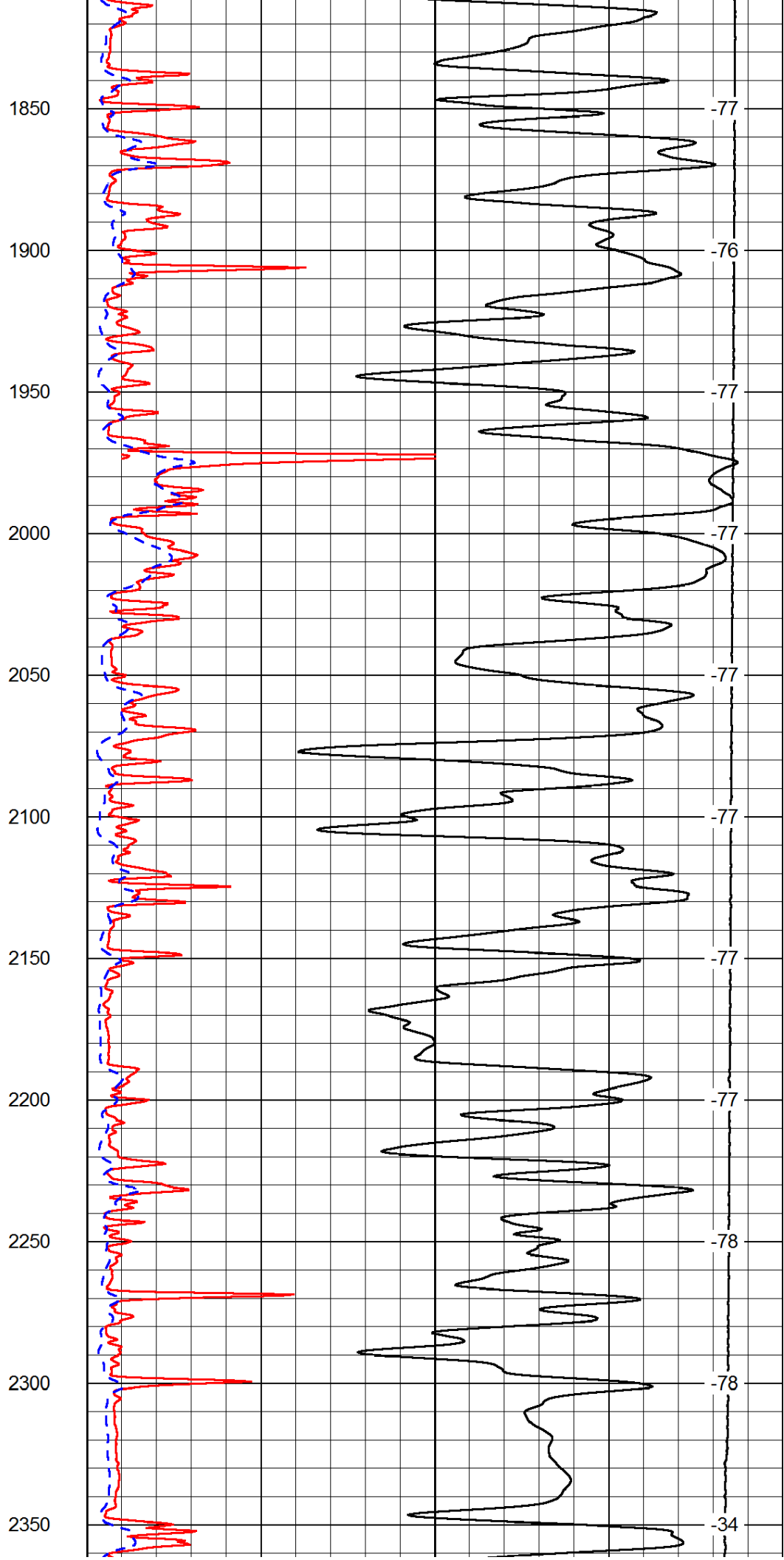
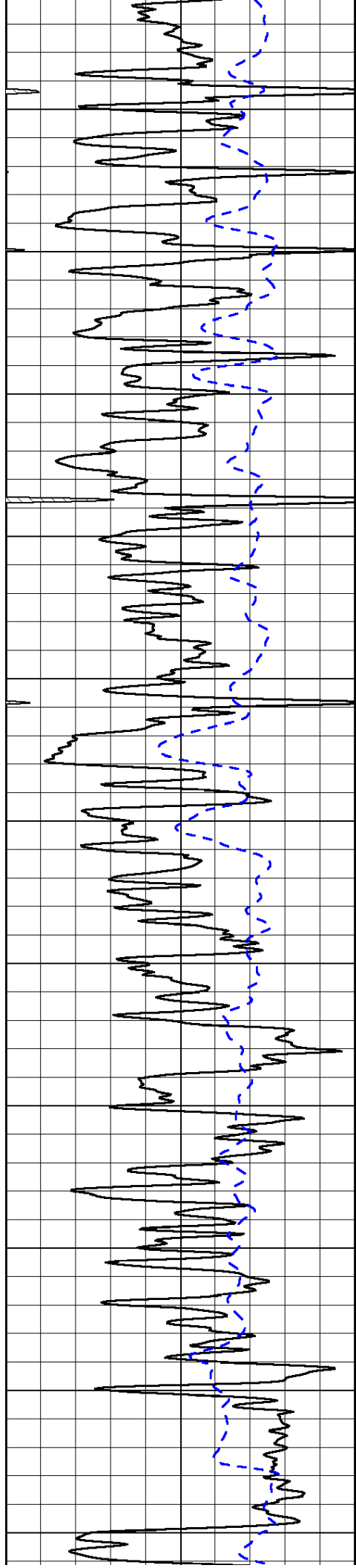
0	Gamma Ray	150
-200	SP (mV)	0

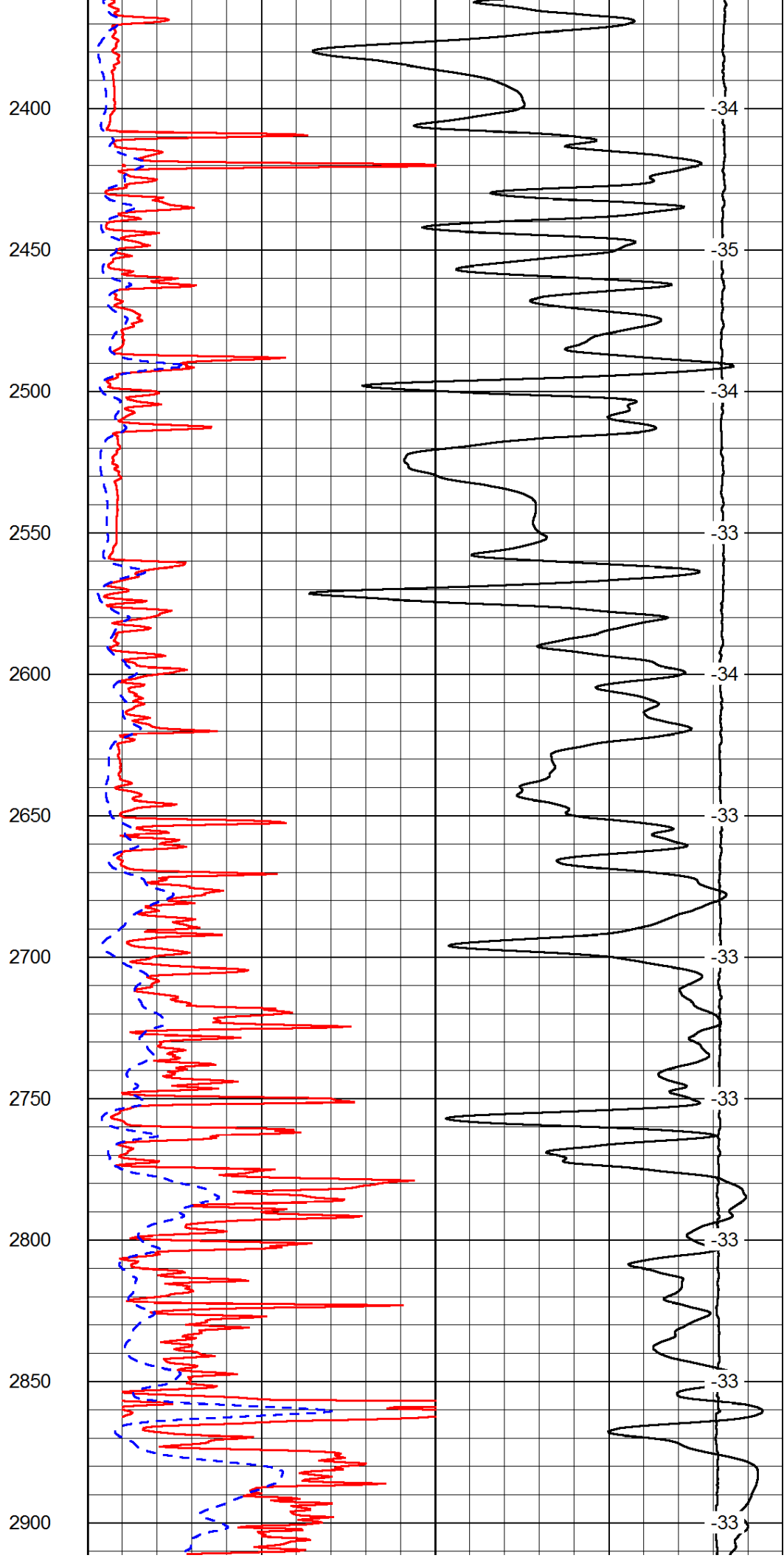
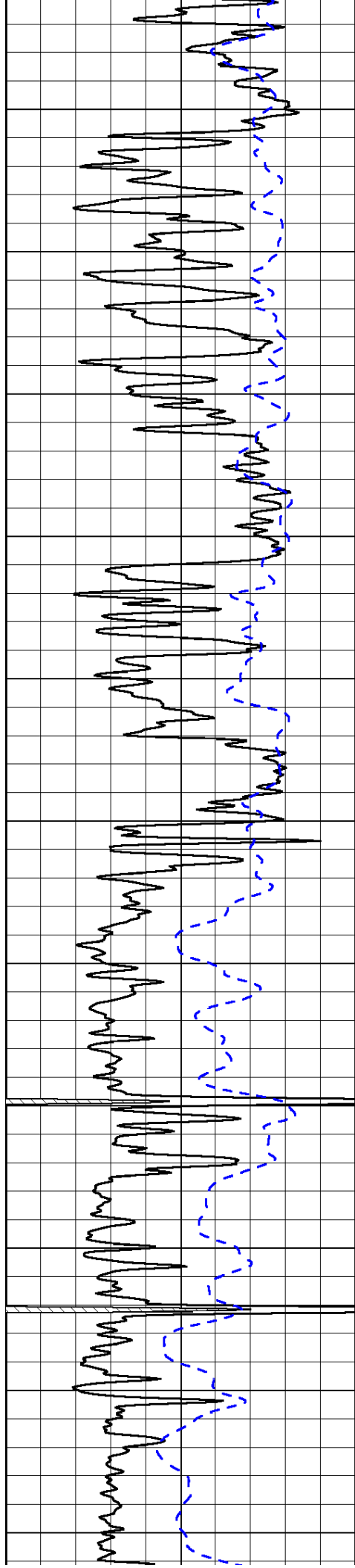
0 Shallow Resistivity 50			LSPD
0 Deep Resistivity 50			
1000 Conductivity			0
15000 Line Tension			0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

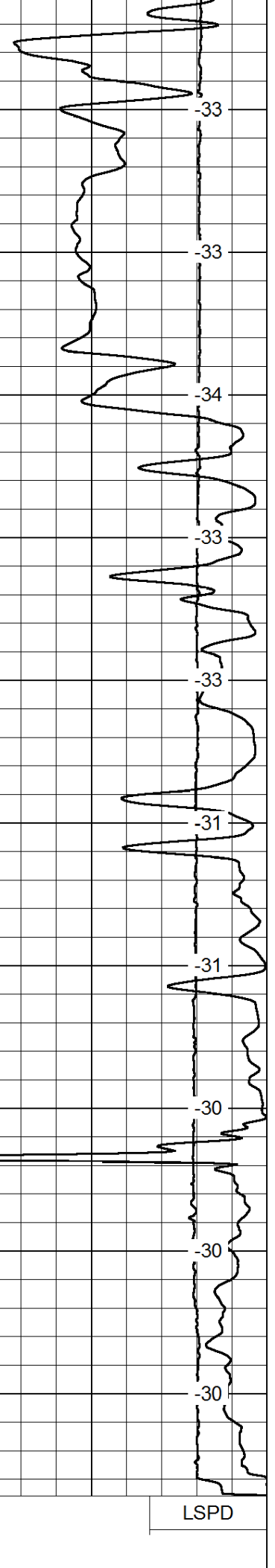
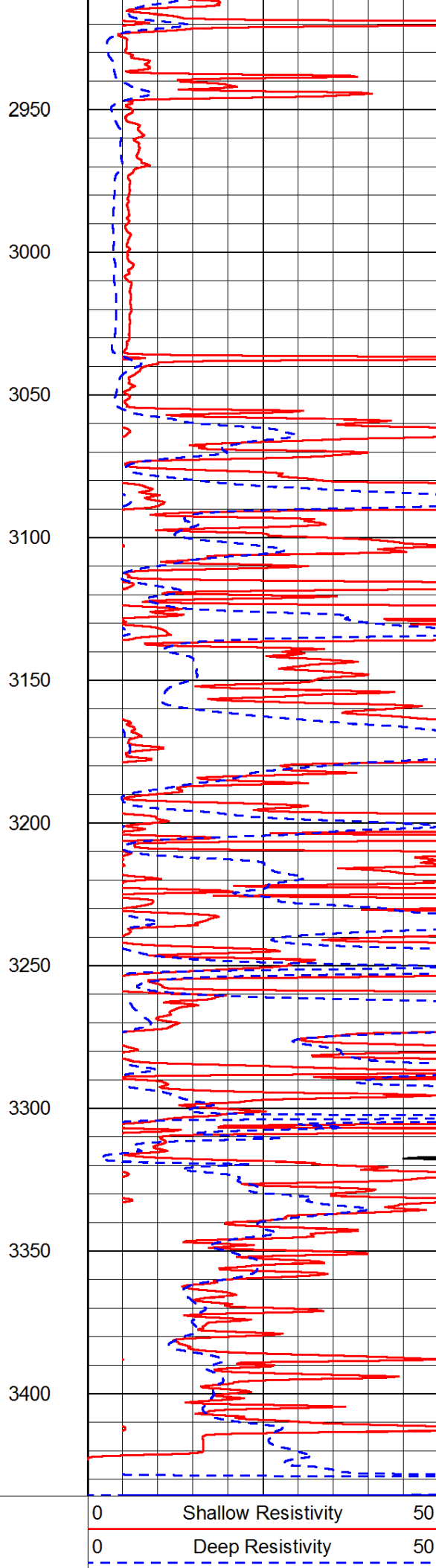
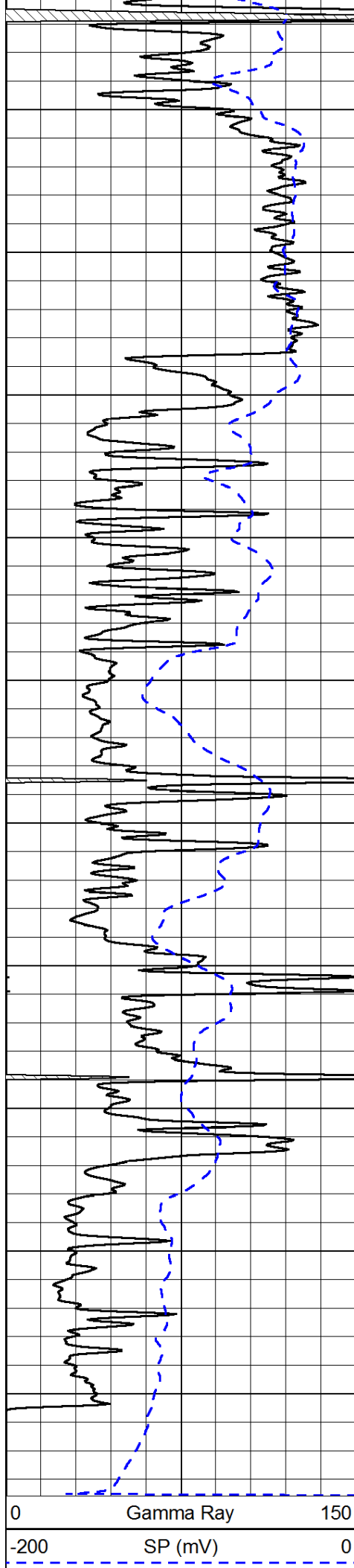












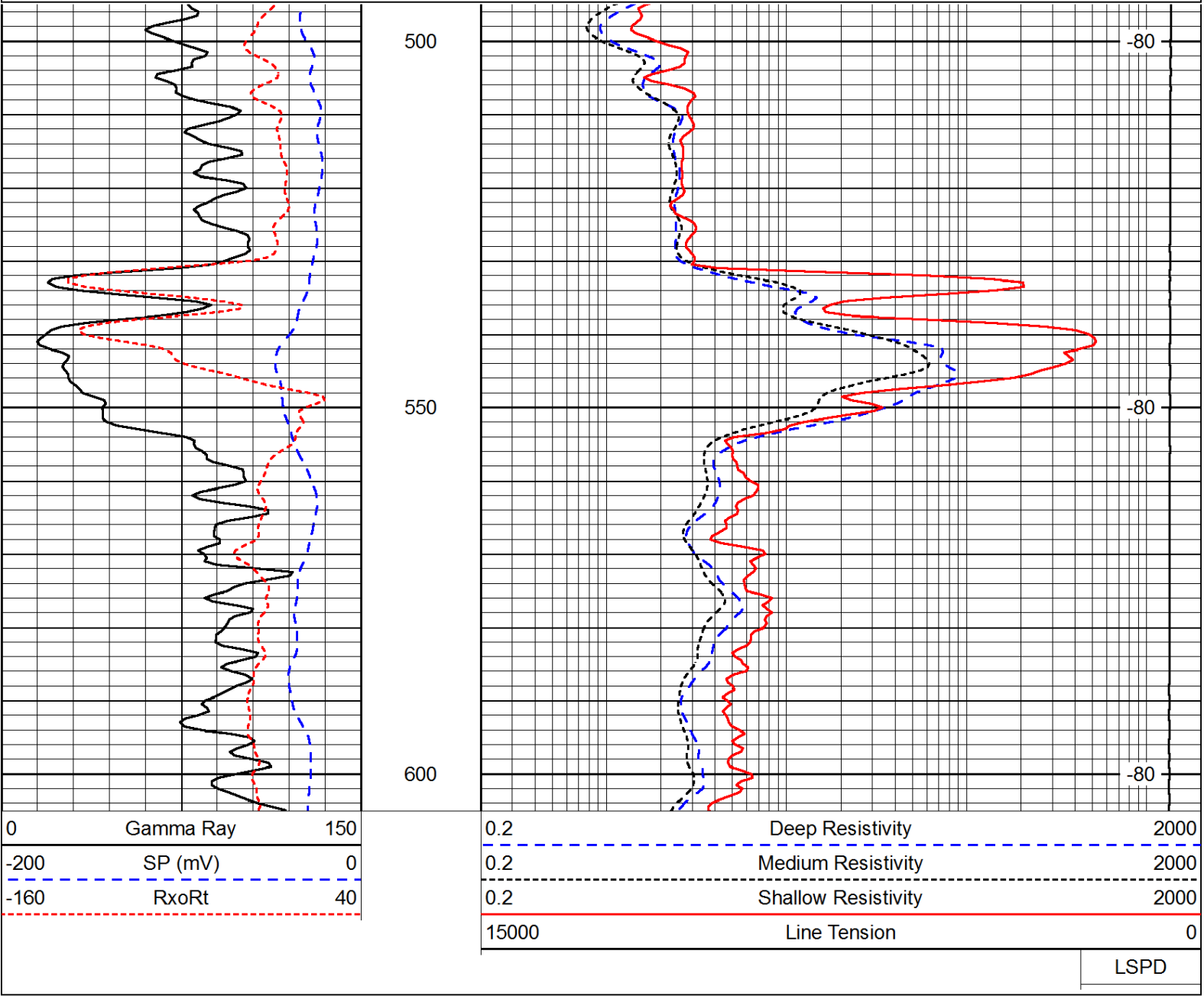
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

Database File:	c:\warrior\data\carrie_john roth #c3\carrie_johnroth_c3hd.db
Dataset Pathname:	dil/carrstck
Presentation Format:	dil
Dataset Creation:	Fri Nov 30 09:41:38 2012
Charted by:	Depth in Feet scaled 1:240

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

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

LSPD

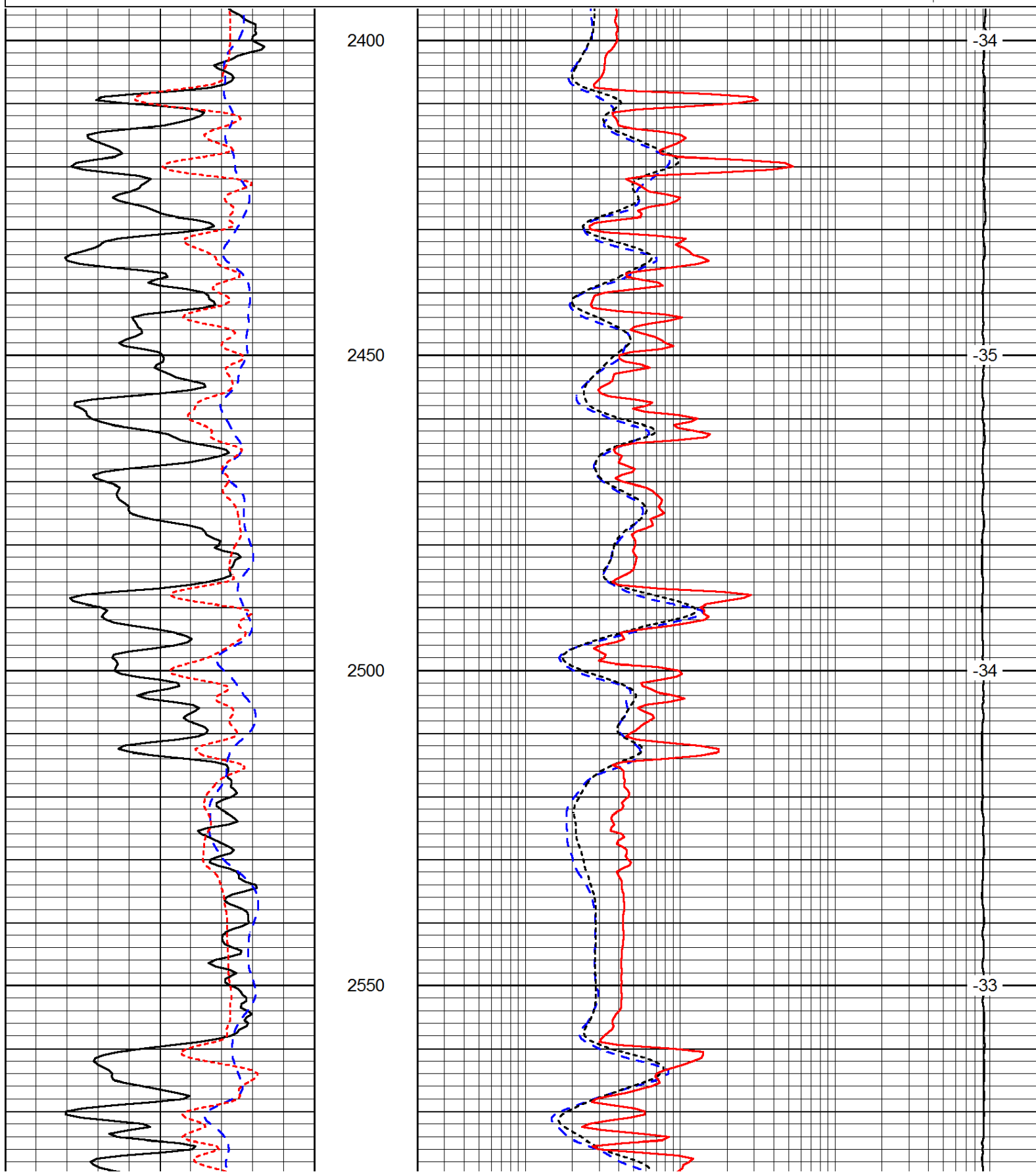


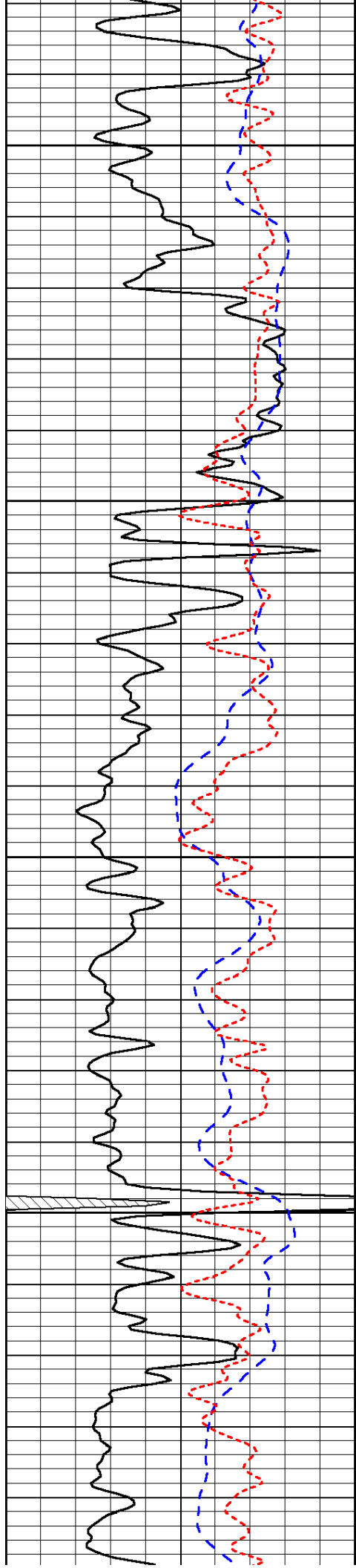
Database File:	c:\warrior\data\carrie_john roth #c3\carrie_johnroth_c3hd.db
Dataset Pathname:	dil/carrstck
Presentation Format:	dil

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

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

LSPD





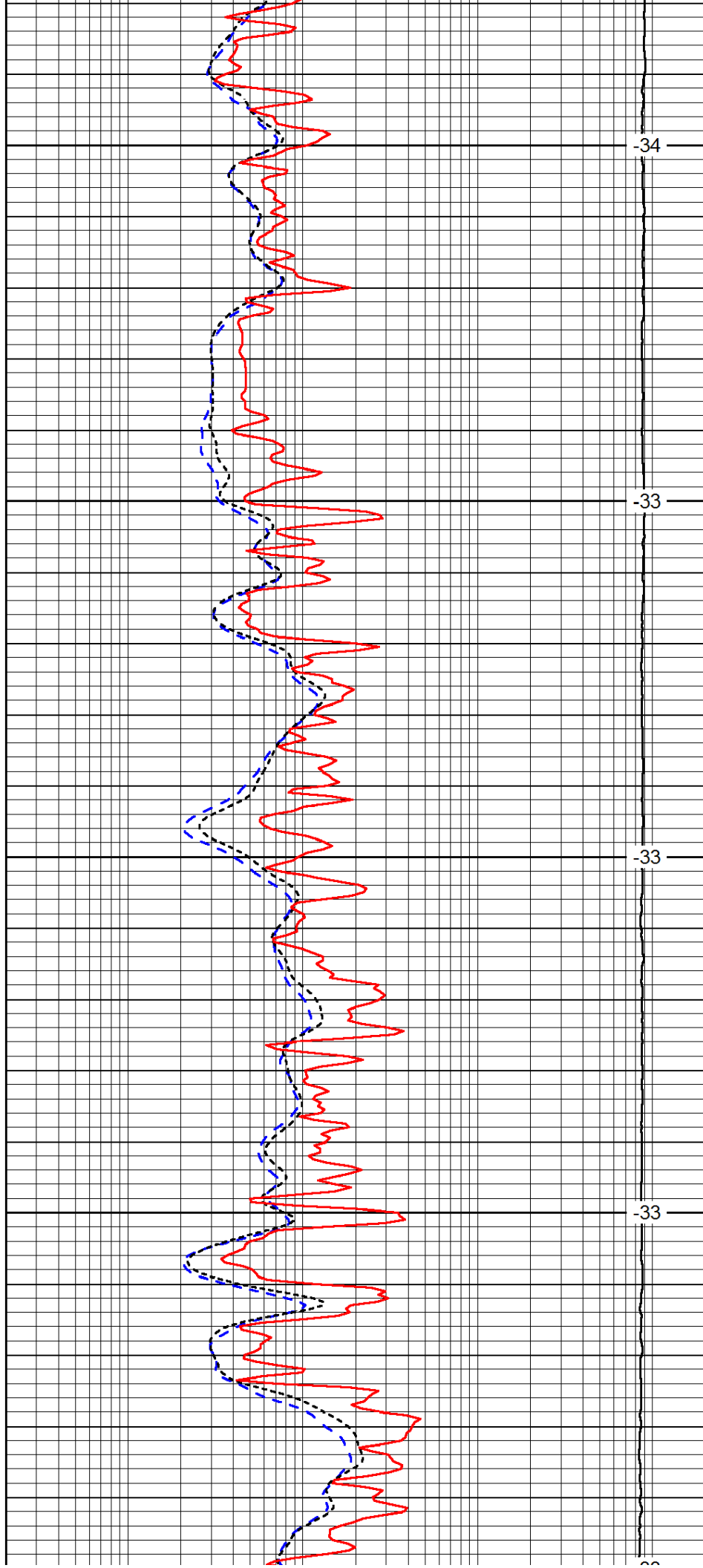
2600

2650

2700

2750

2800



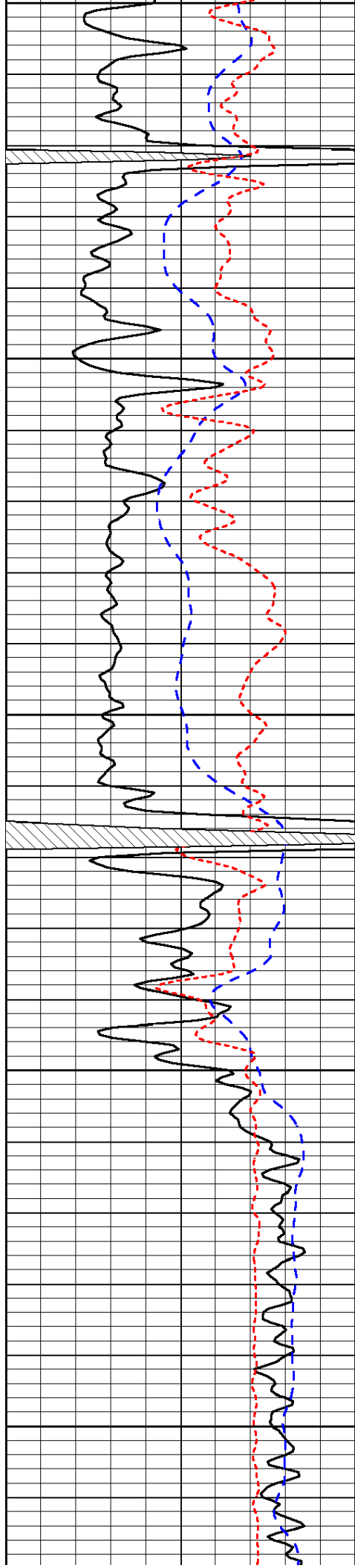
-34

-33

-33

-33

-32



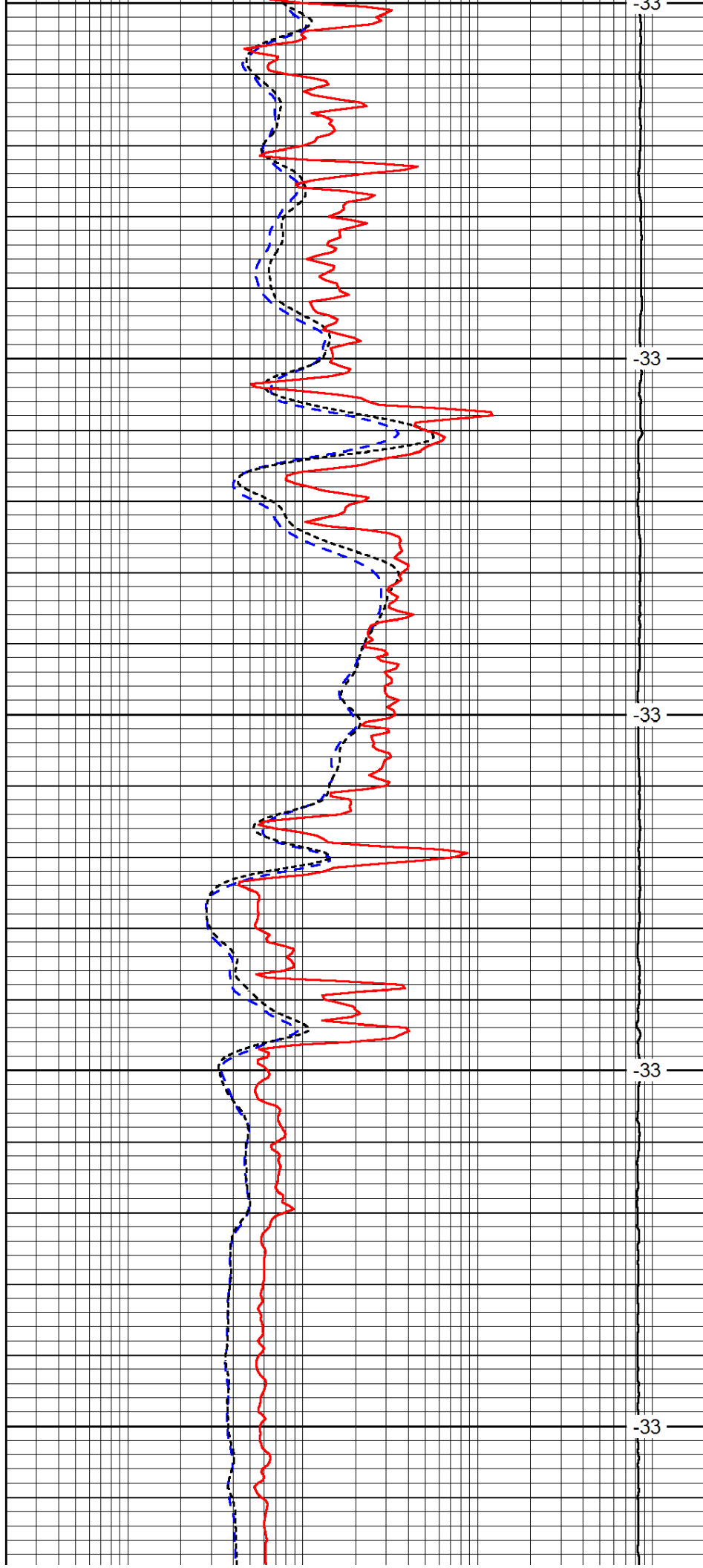
2800

2850

2900

2950

3000



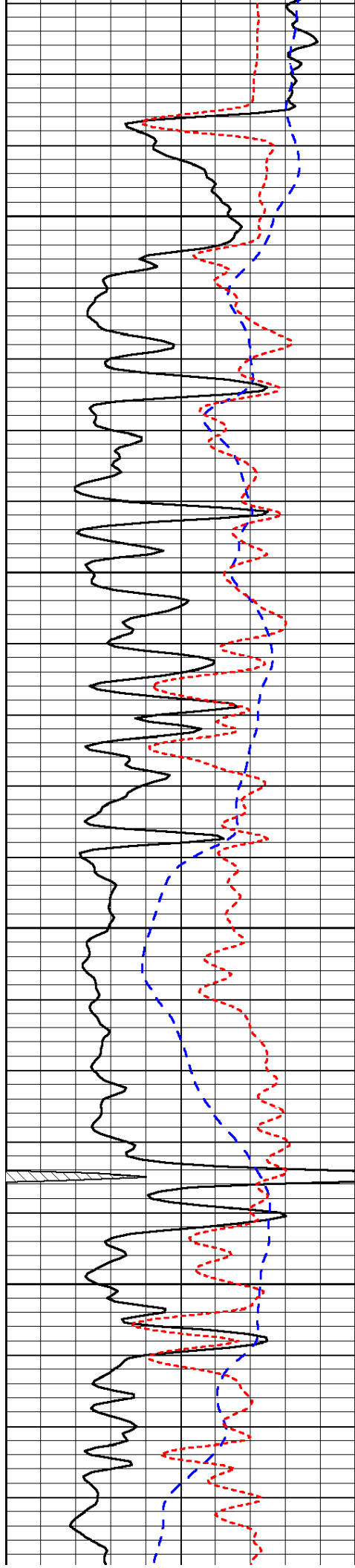
-33

-33

-33

-33

-33

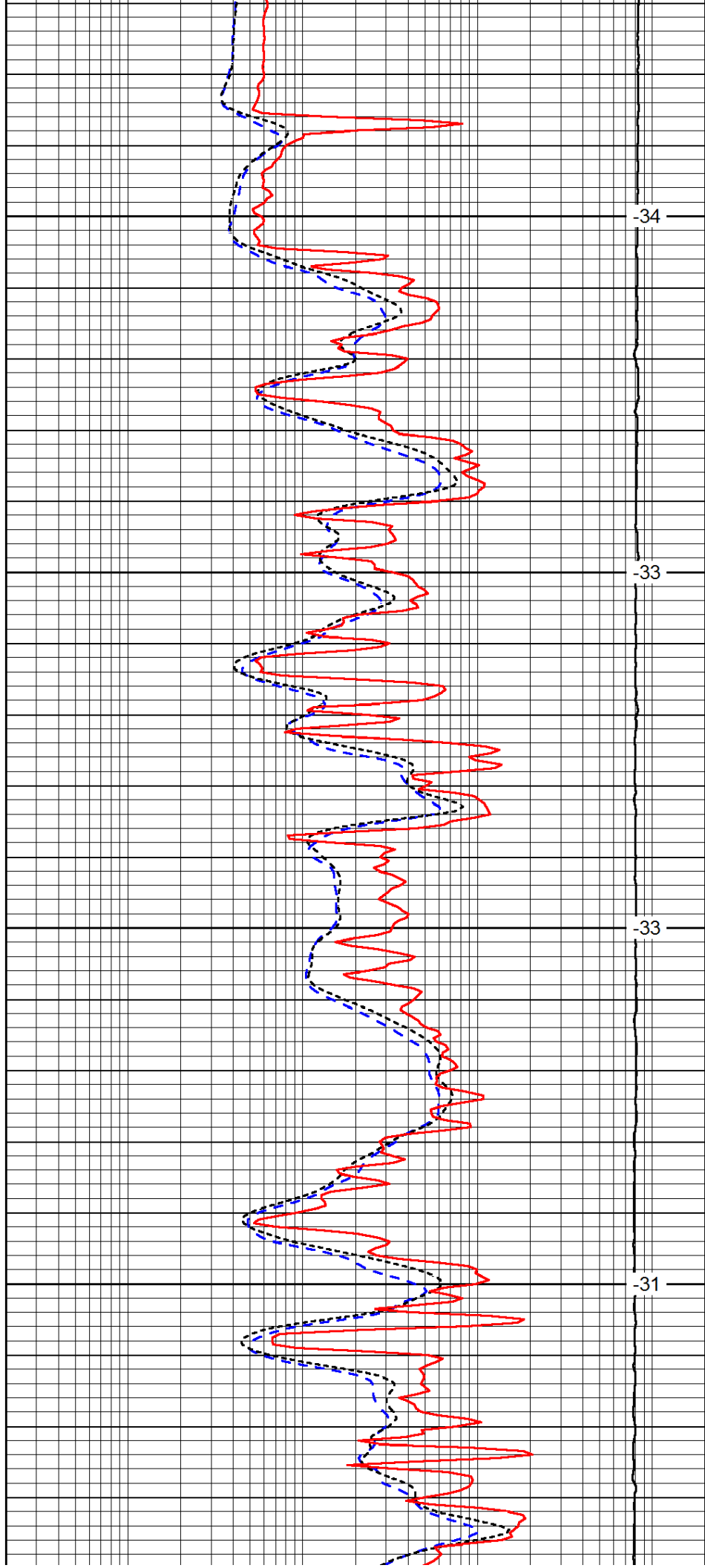


3050

3100

3150

3200

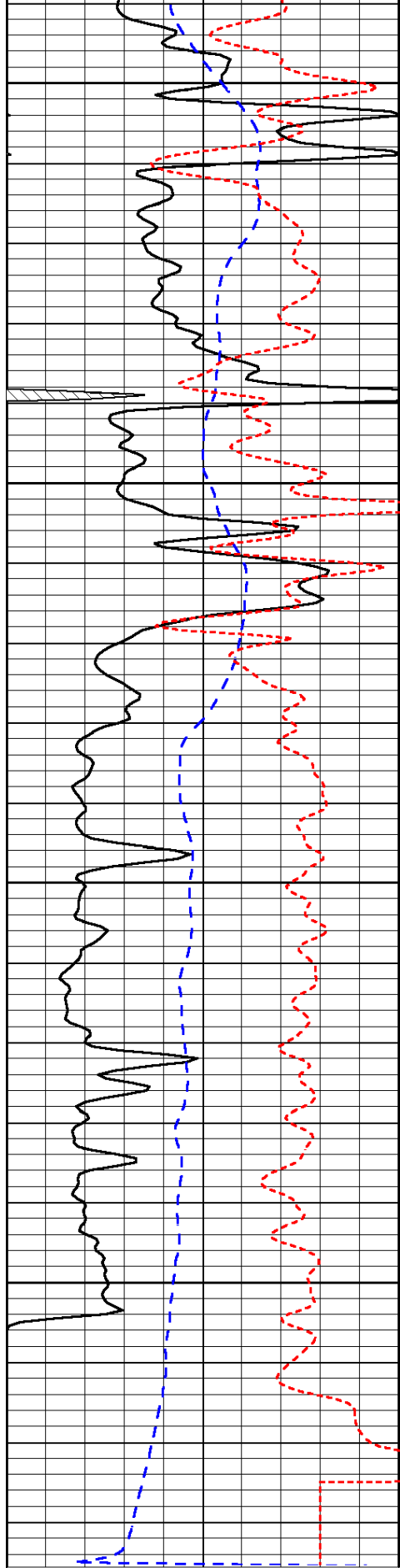


-34

-33

-33

-31



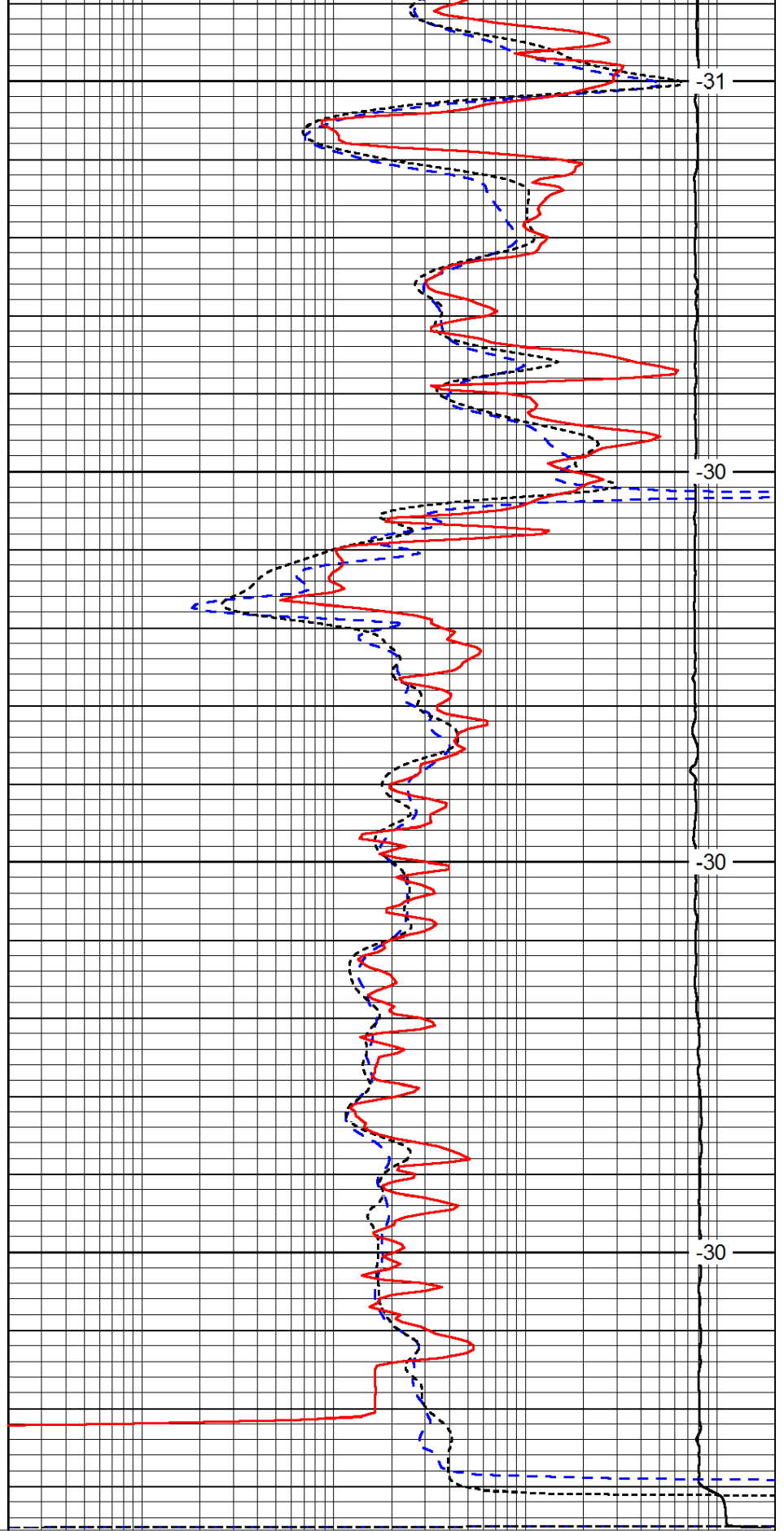
0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

3250

3300

3350

3400



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

-31

-30

-30

-30

LSPD

