



Dual Induction Log

Pioneer Energy Services

API No.

15-135-25636-00-00

Company Pickrell Drilling Company, Inc.

Well Popp "A" #5

Field Lazy 17

County Ness State Kansas

Location 1450' FSL / 330' FEL

Sec: 24 Twp: 17S Rge: 26W

Other Services
CNL / CDL
MEL

Elevation

K.B. 2458
D.F.
G.L. 2451

Elevation 2451

7 Ft. Above Perm. Datum

7/26/2013

One

4405

4406

4405

200

8.625 @ 215

218

7.875

Chemical

2600

9.2 52

10.0 8.0

Flowline

0.60 @ 80

0.45 @ 80

0.81 @ 80

Charts

0.40 @ 120

4 Hours

120

15

Hays

R. Barnhart

Jerry A. Smith

<<< 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.pioneerres.com
785 625 3858

Utica, KS:
1E to E Rd., 6S to 200 Rd., 7/8E, N into

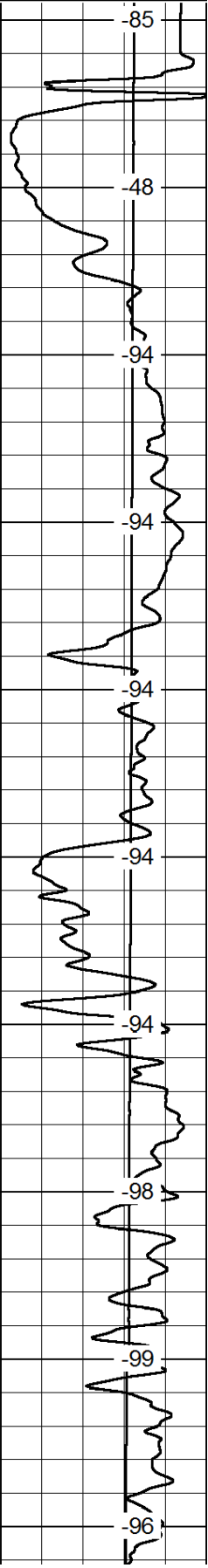
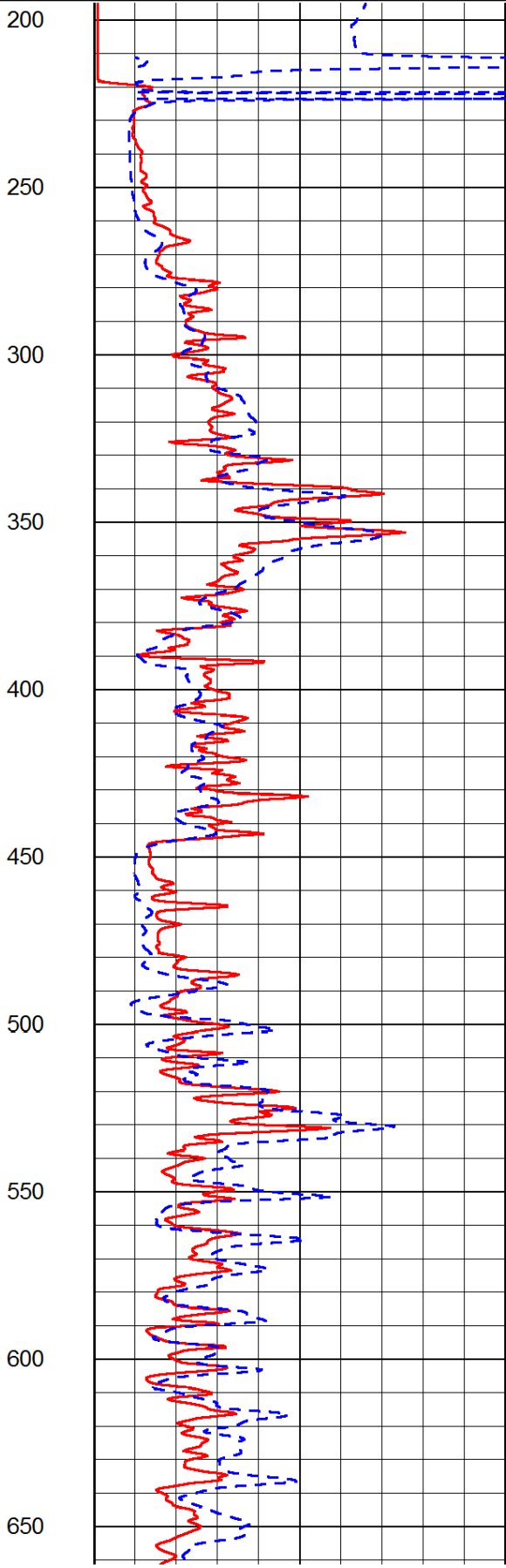
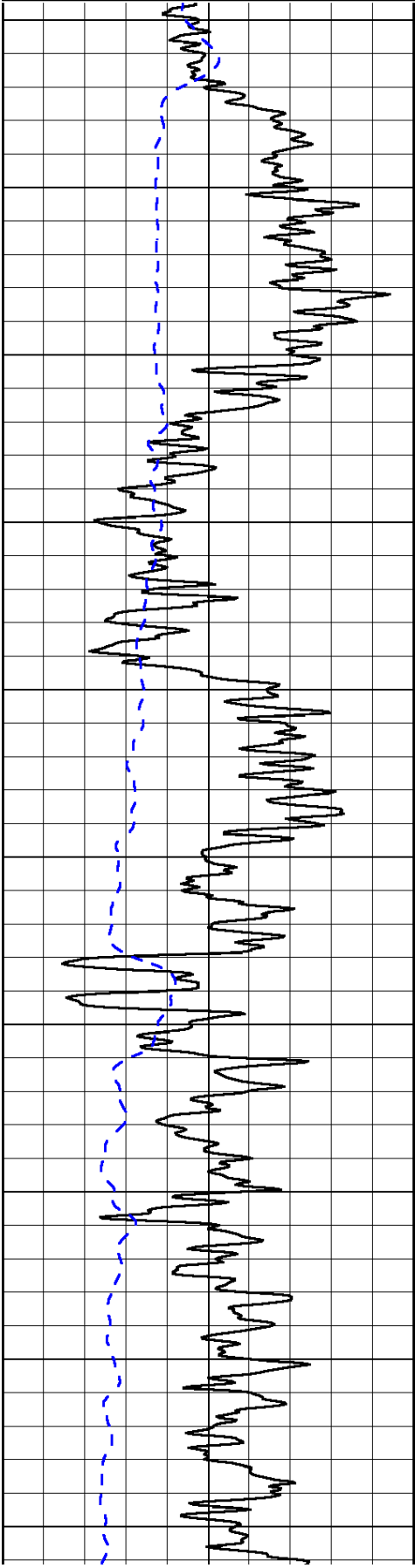
Database File: c:\warrior\data\pickrell_popp a #5\pickrell_hd.db
Dataset Pathname: dil/pckmain
Presentation Format: dil2in
Dataset Creation: Fri Jul 26 20:32:50 2013
Charted by: Depth in Feet scaled 1:600

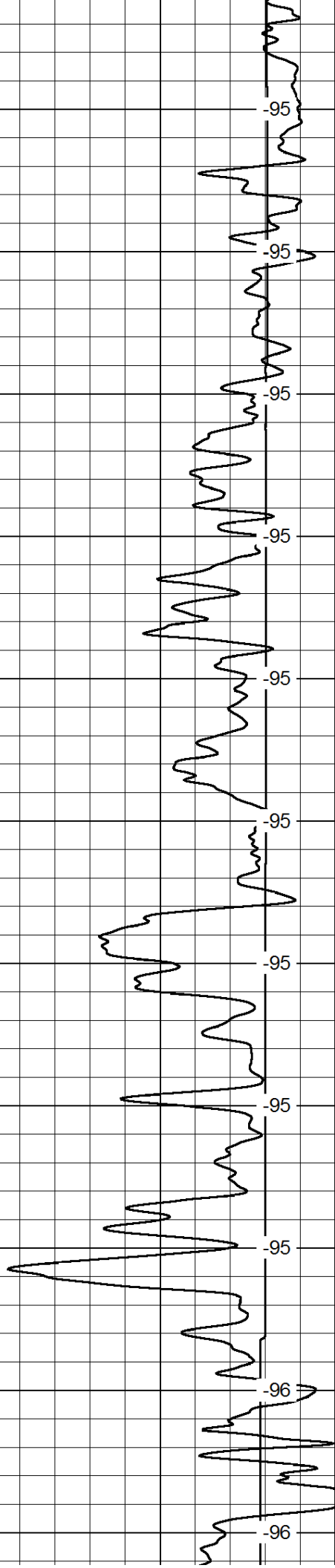
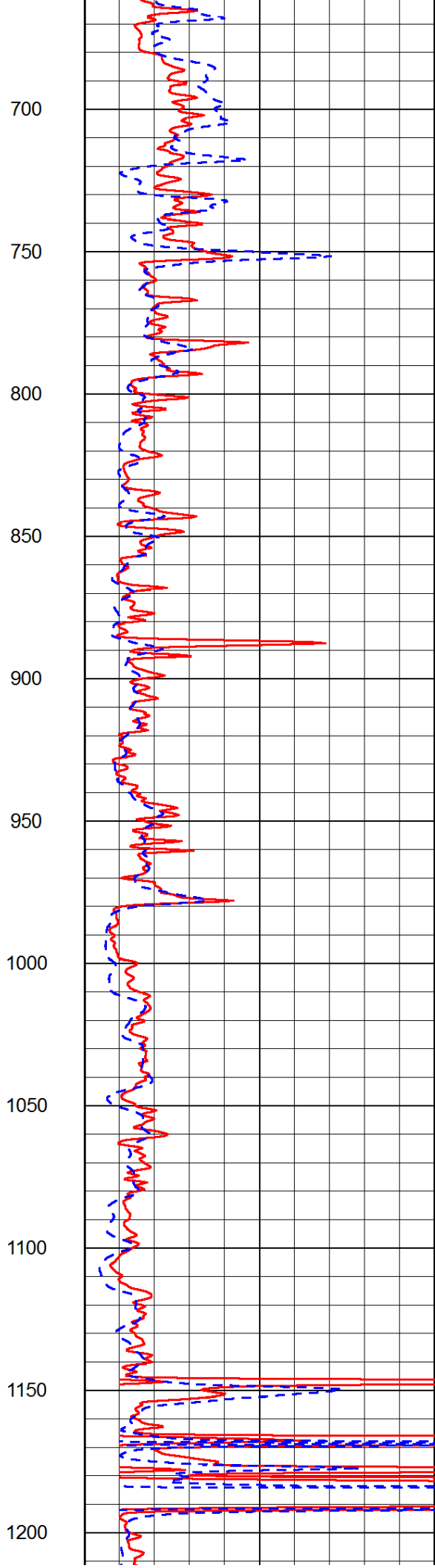
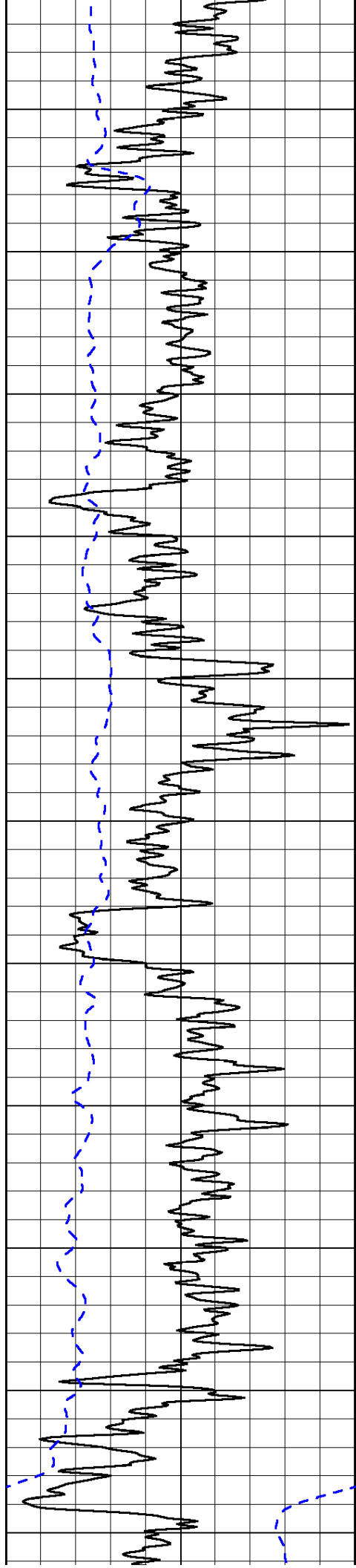
Charted by: Depth in Feet scaled 1:600

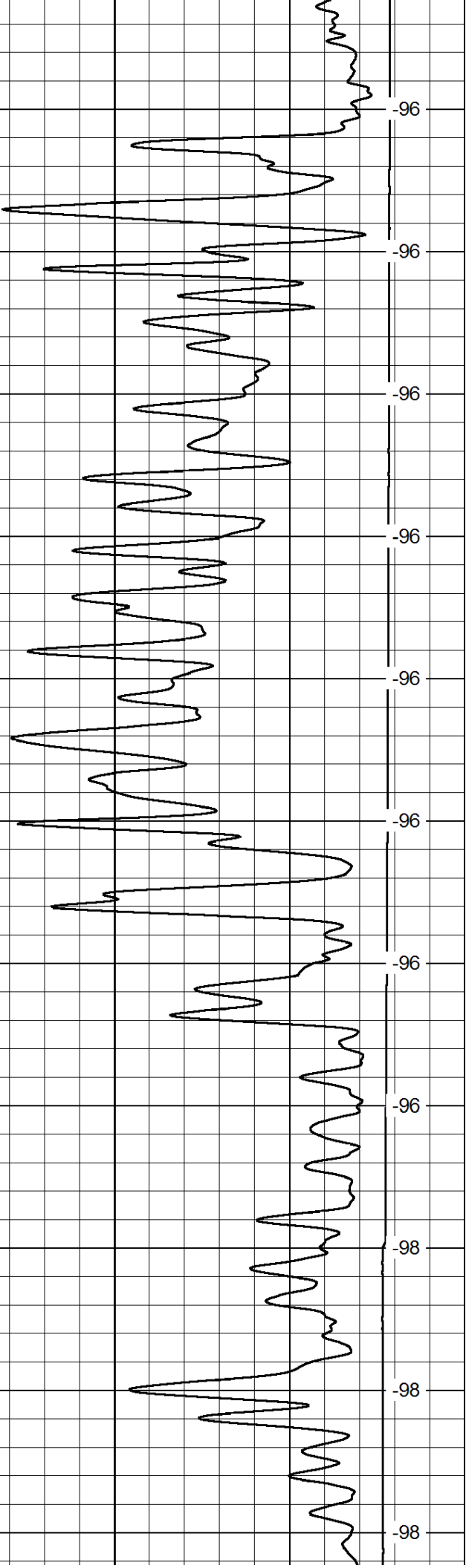
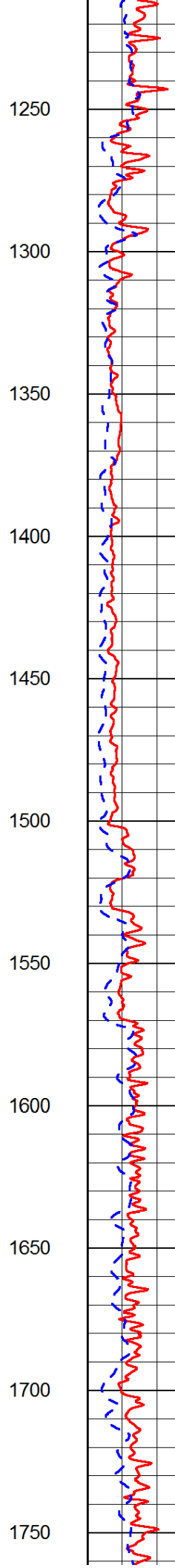
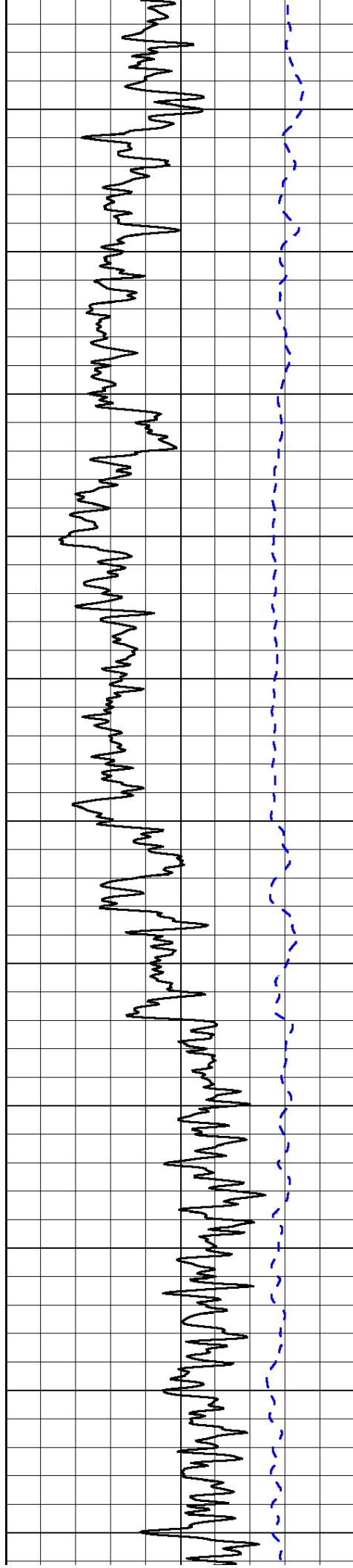
0	Gamma Ray	150
-200	SP (mV)	0

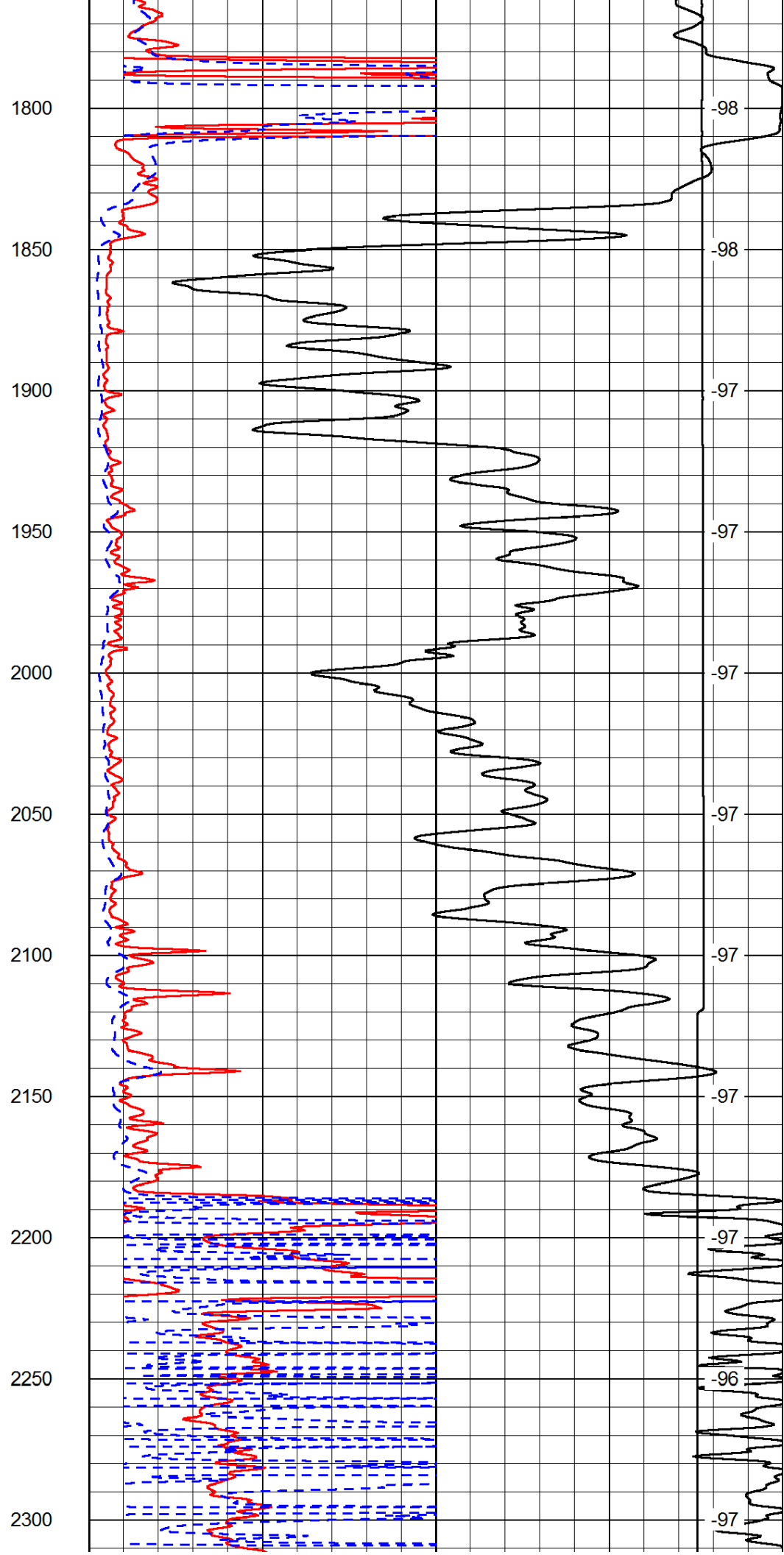
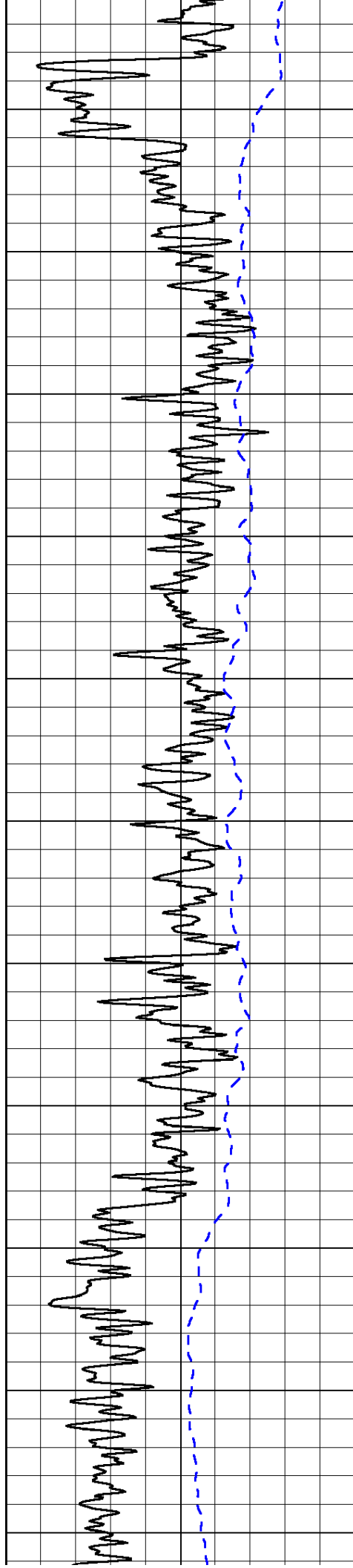
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

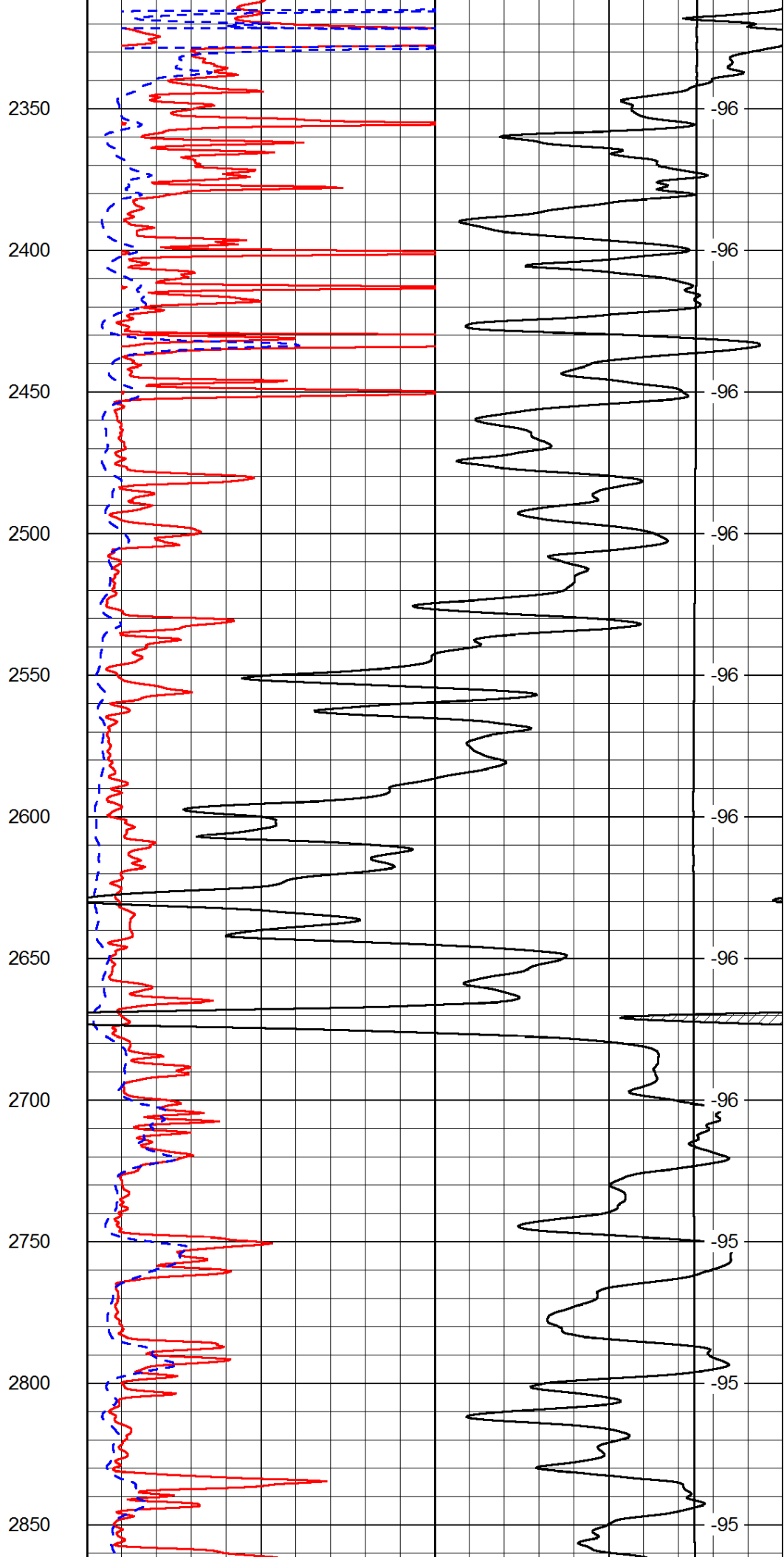
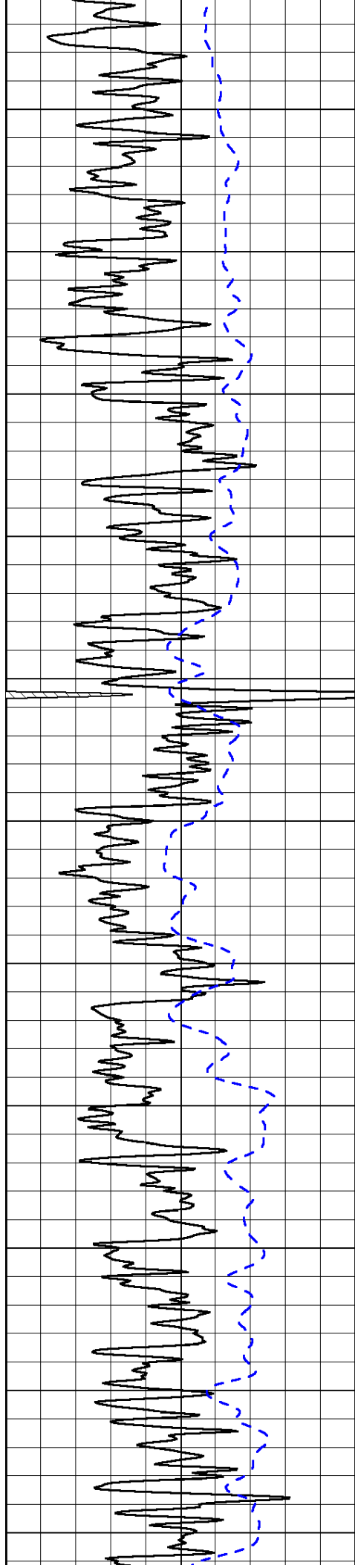
LSPD
0
0

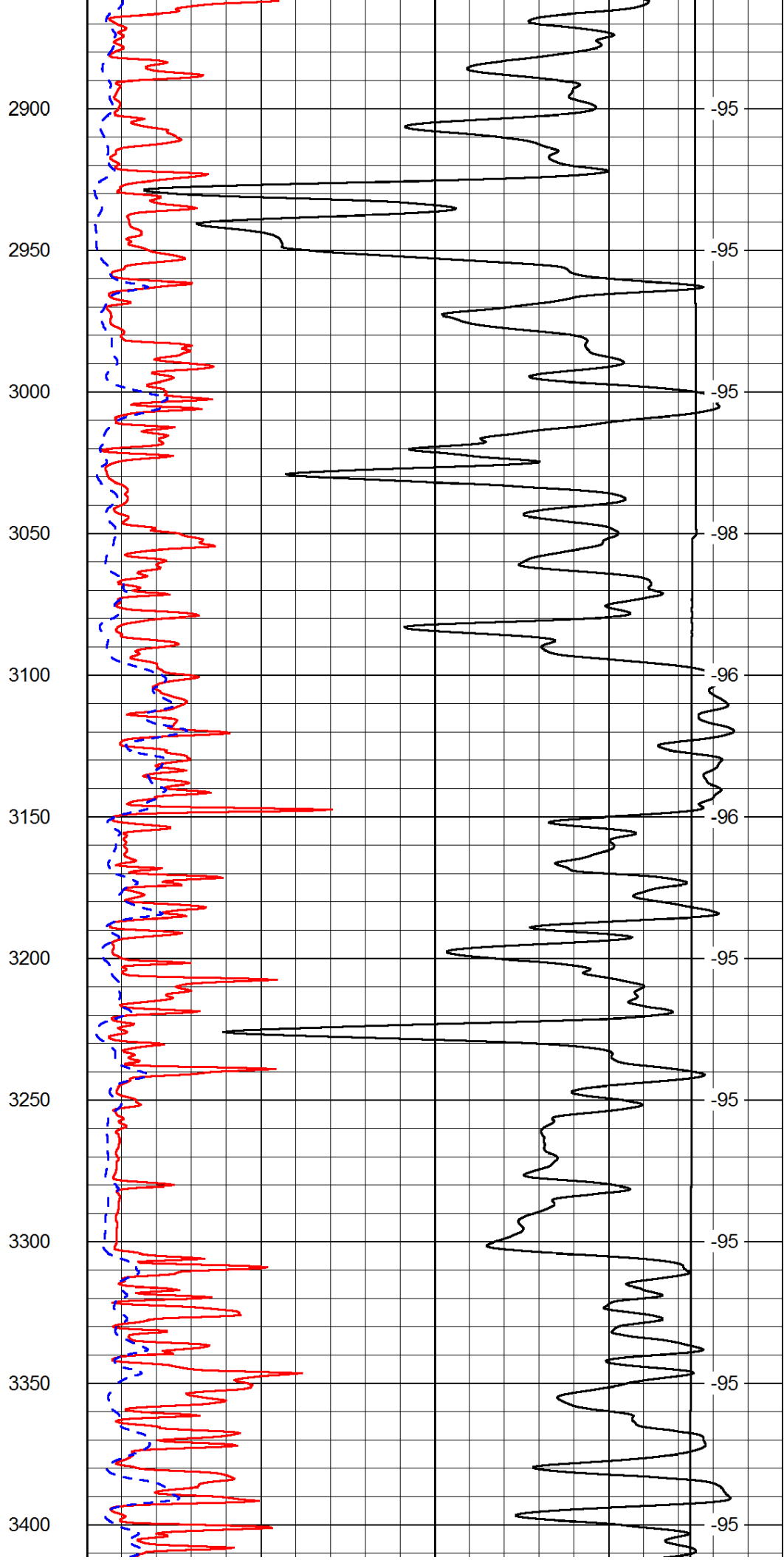
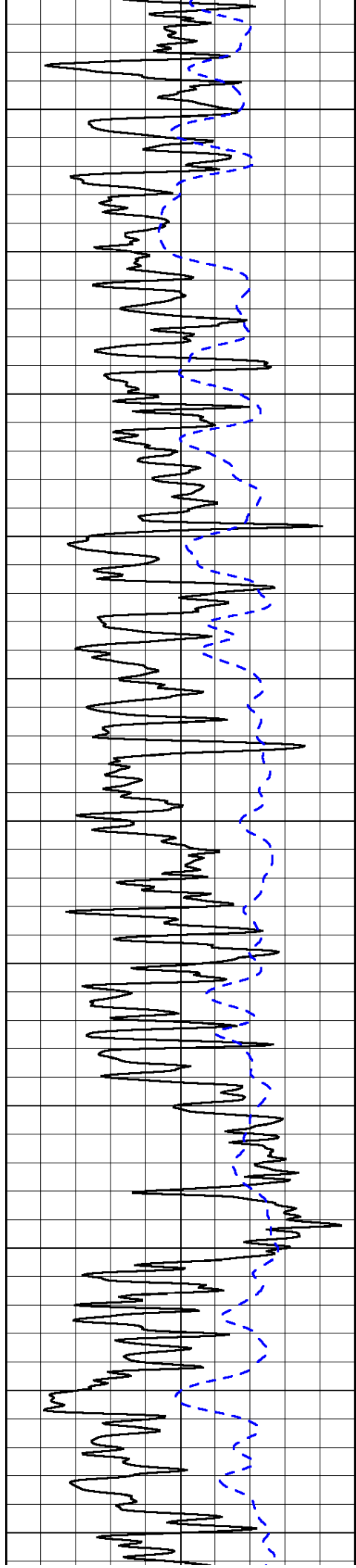


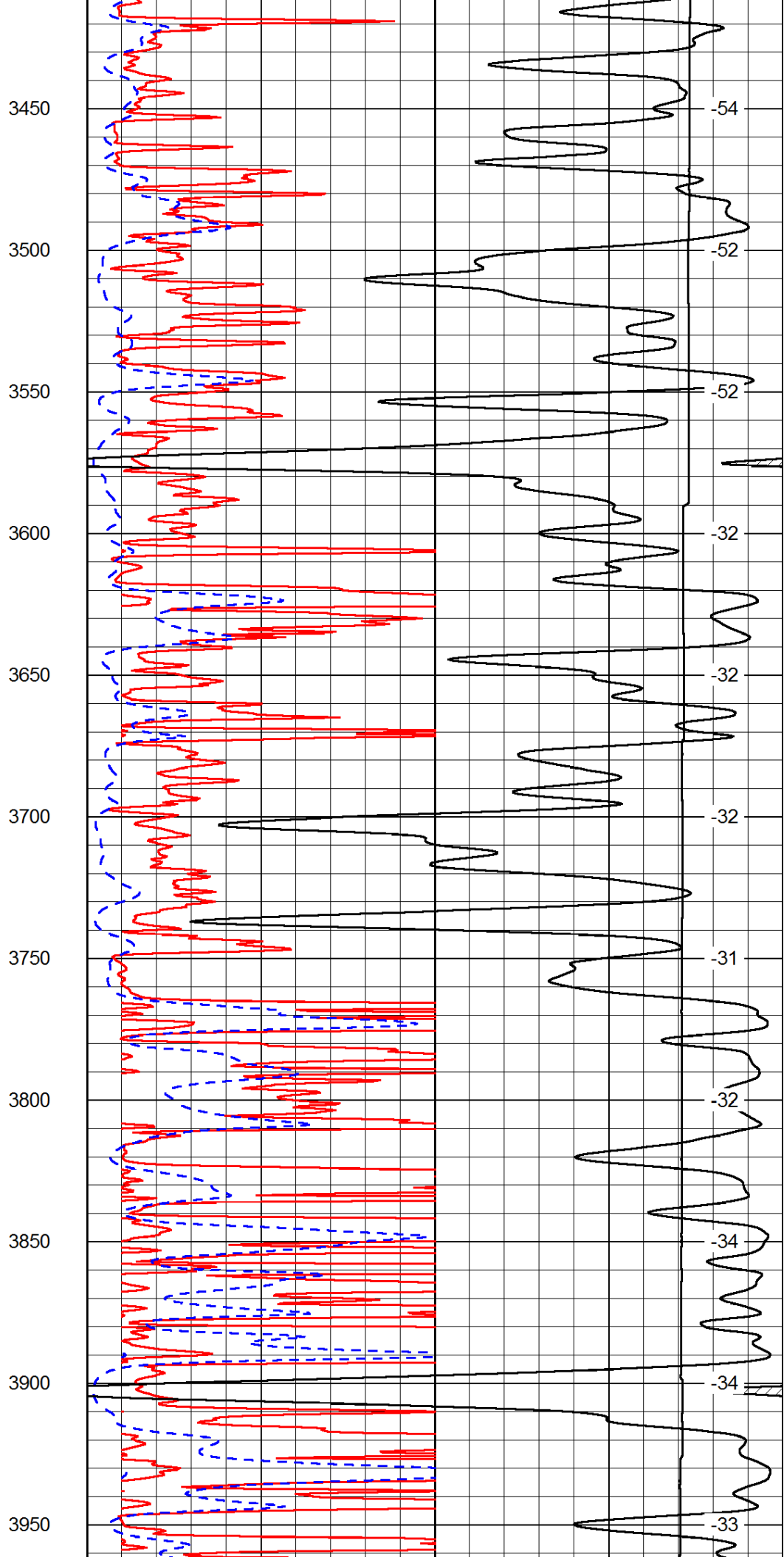
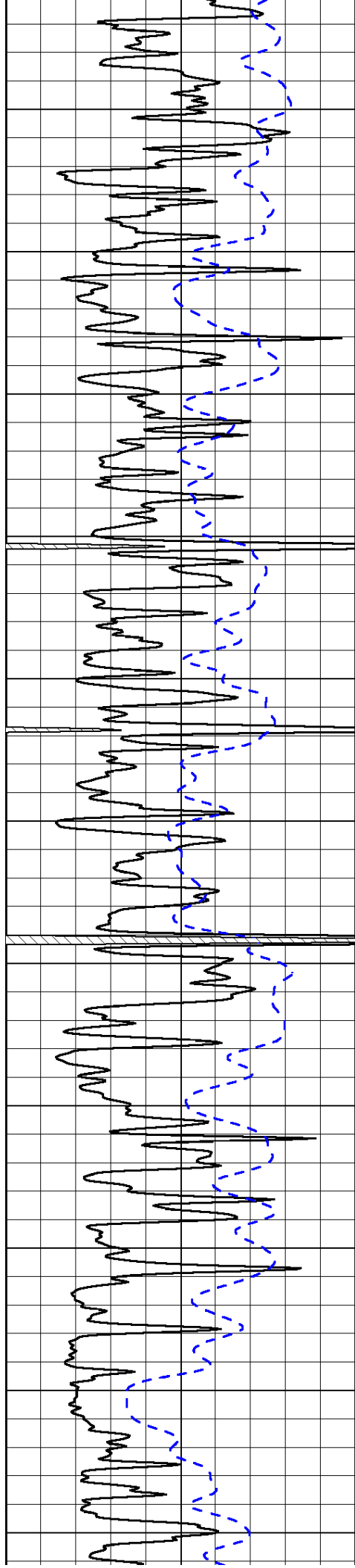


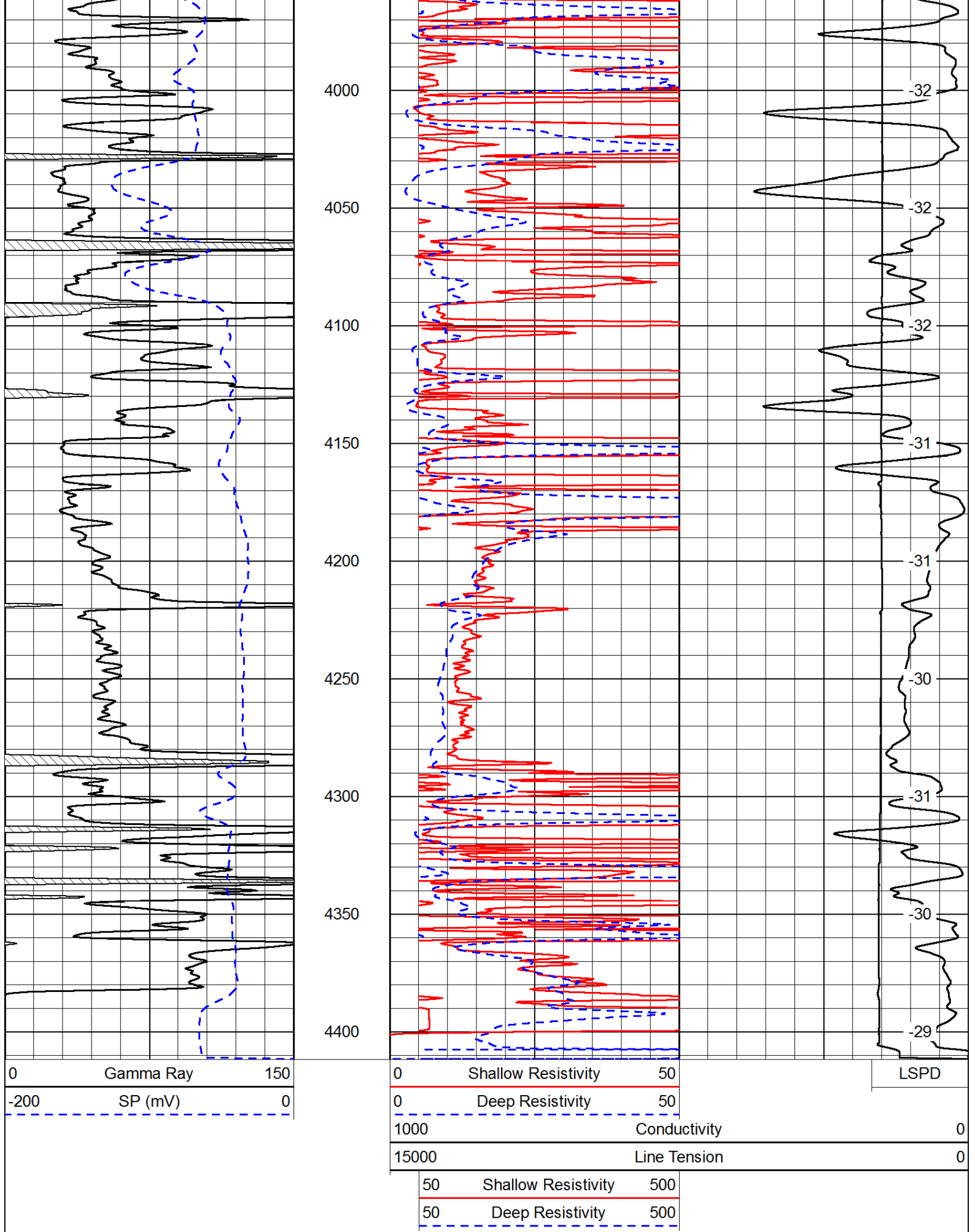










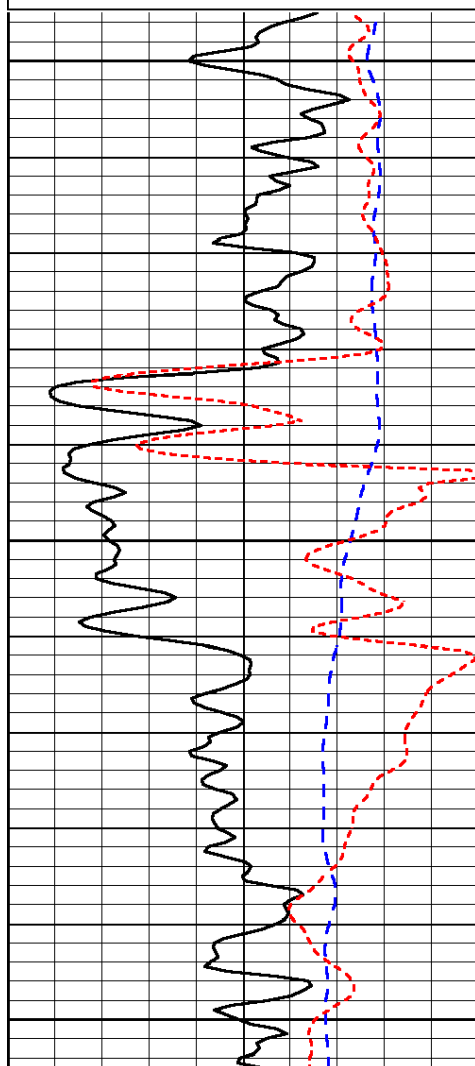


Dataset Pathname: dil/pckmain
Presentation Format: dil
Dataset Creation: Fri Jul 26 20:32:50 2013
Charted by: Depth in Feet scaled 1:240

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



1750

1800

1850

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

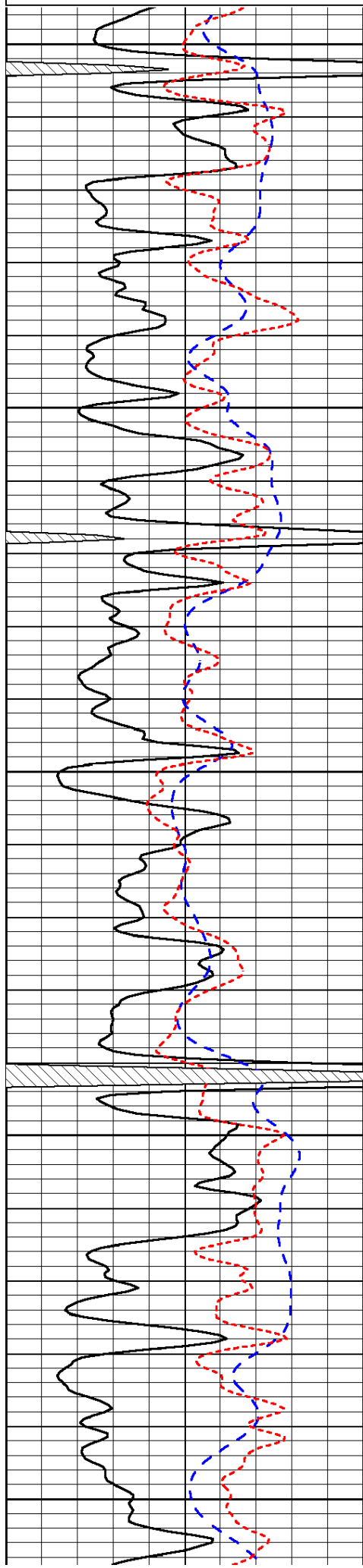
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD

Database File: c:\warrior\data\pickrell_popp a #5\pickrell_hd.db
Dataset Pathname: dil/pckmain
Presentation Format: dil
Dataset Creation: Fri Jul 26 20:32:50 2013
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



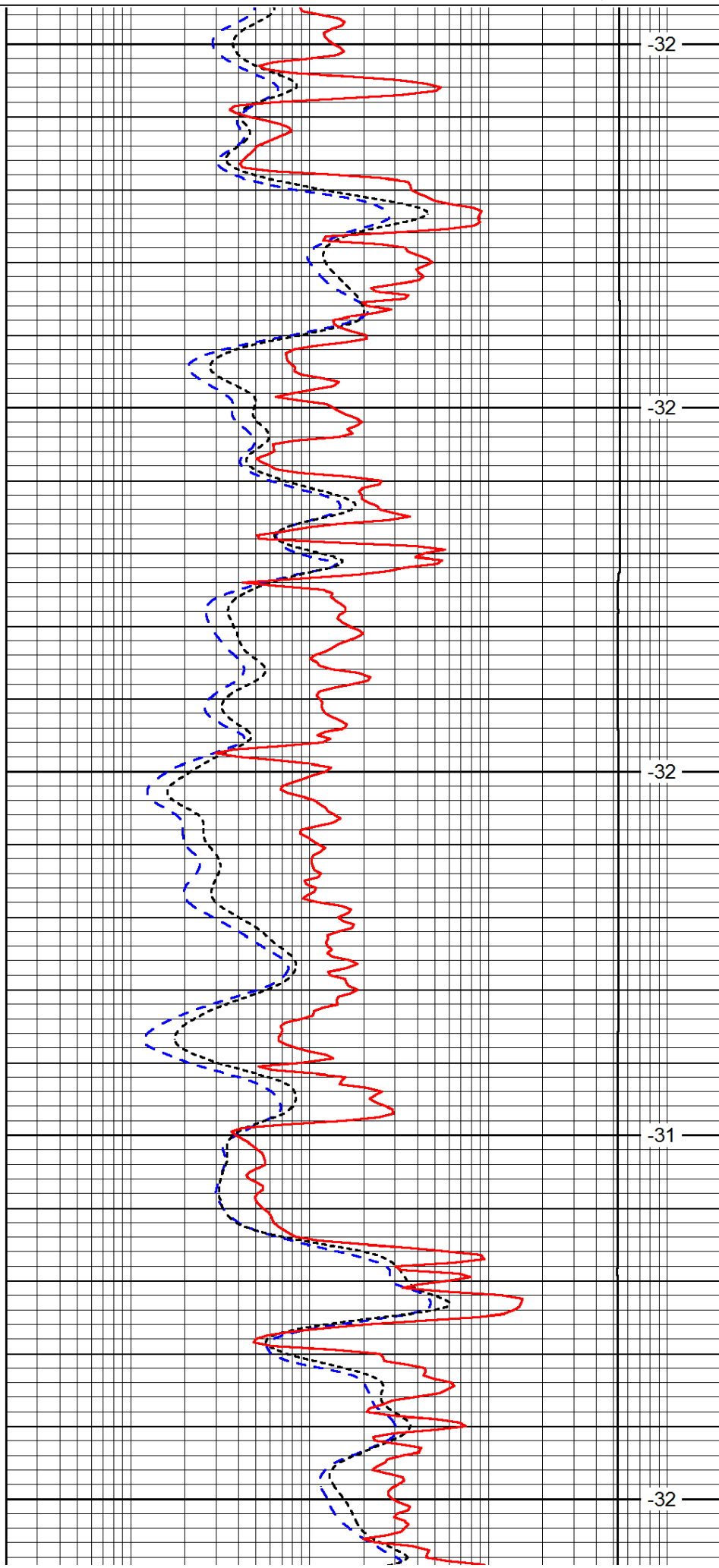
3600

3650

3700

3750

3800



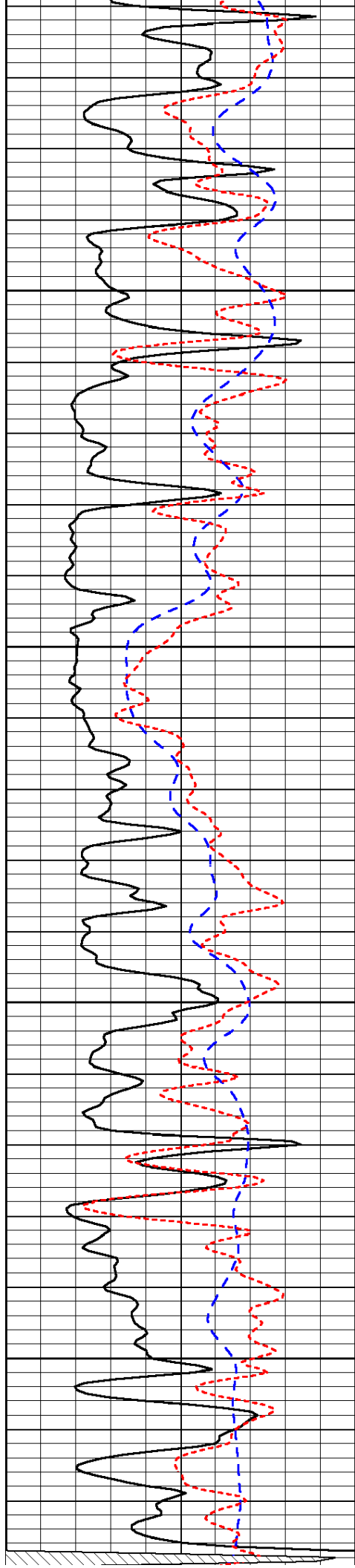
-32

-32

-32

-31

-32

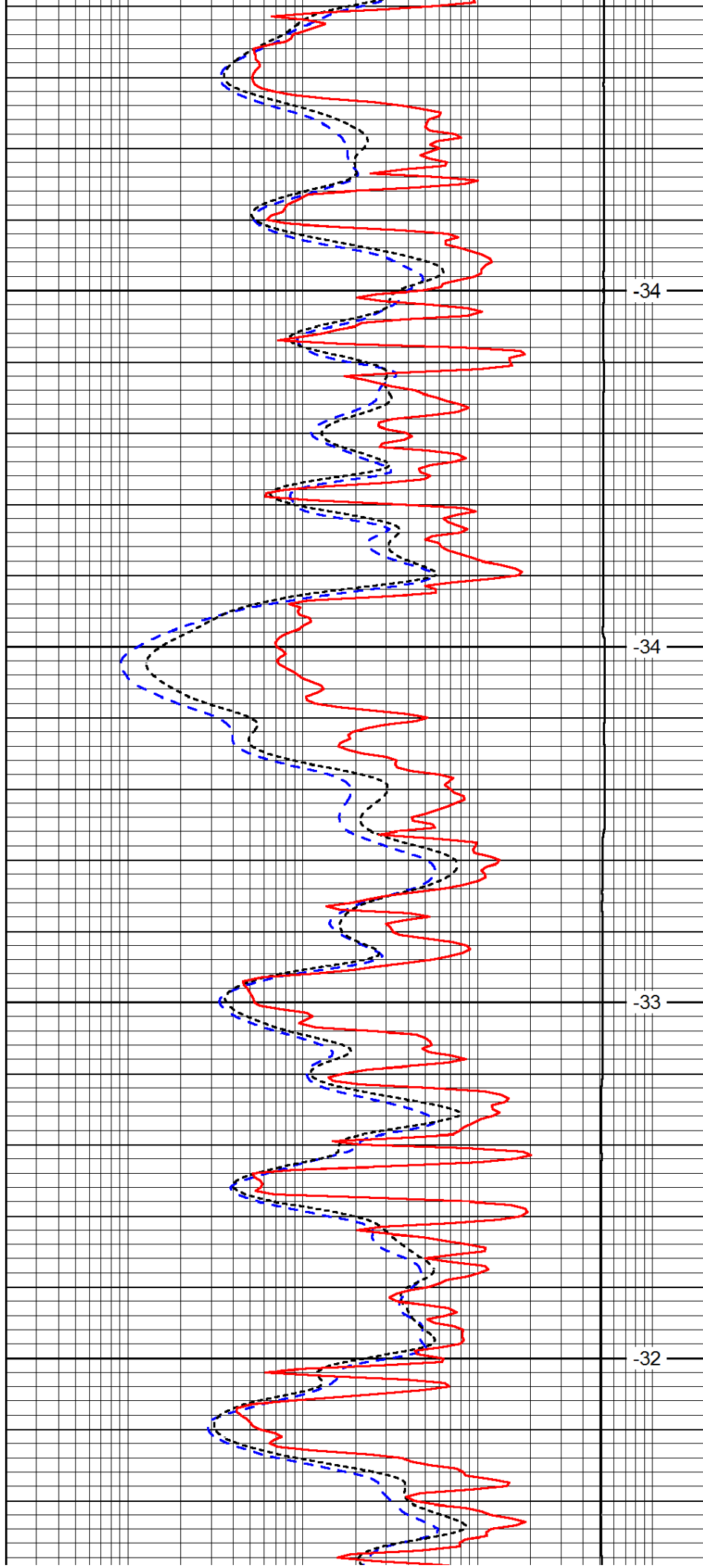


3850

3900

3950

4000

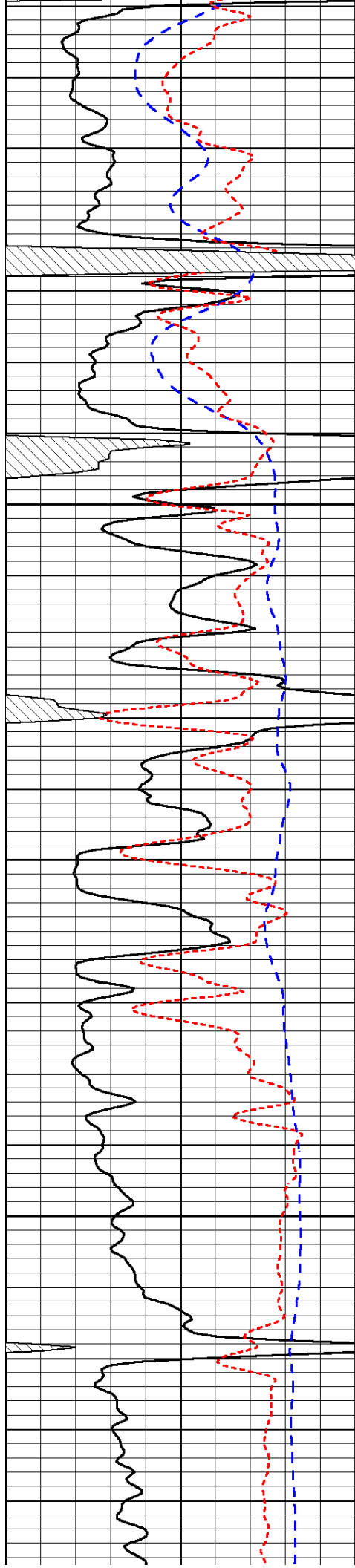


-34

-34

-33

-32

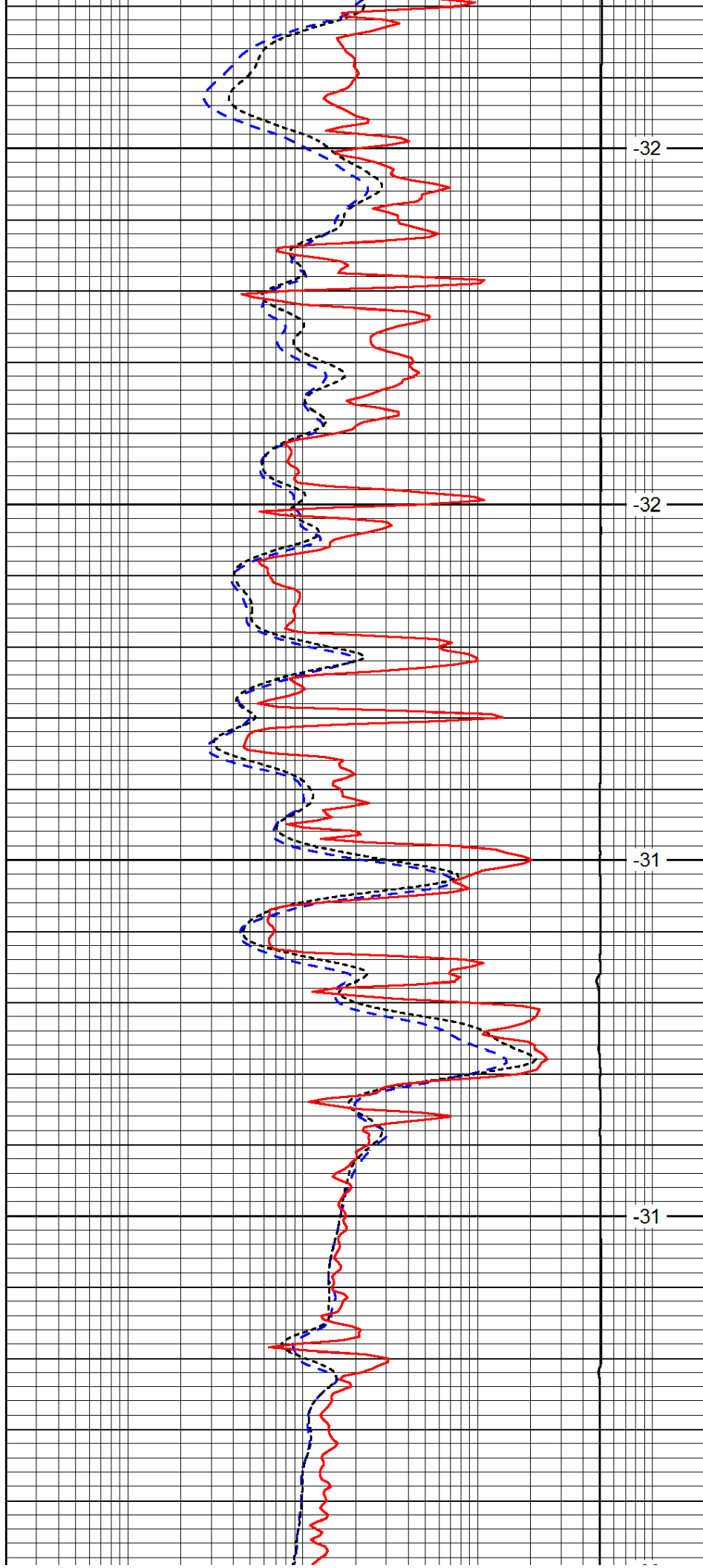


4050

4100

4150

4200

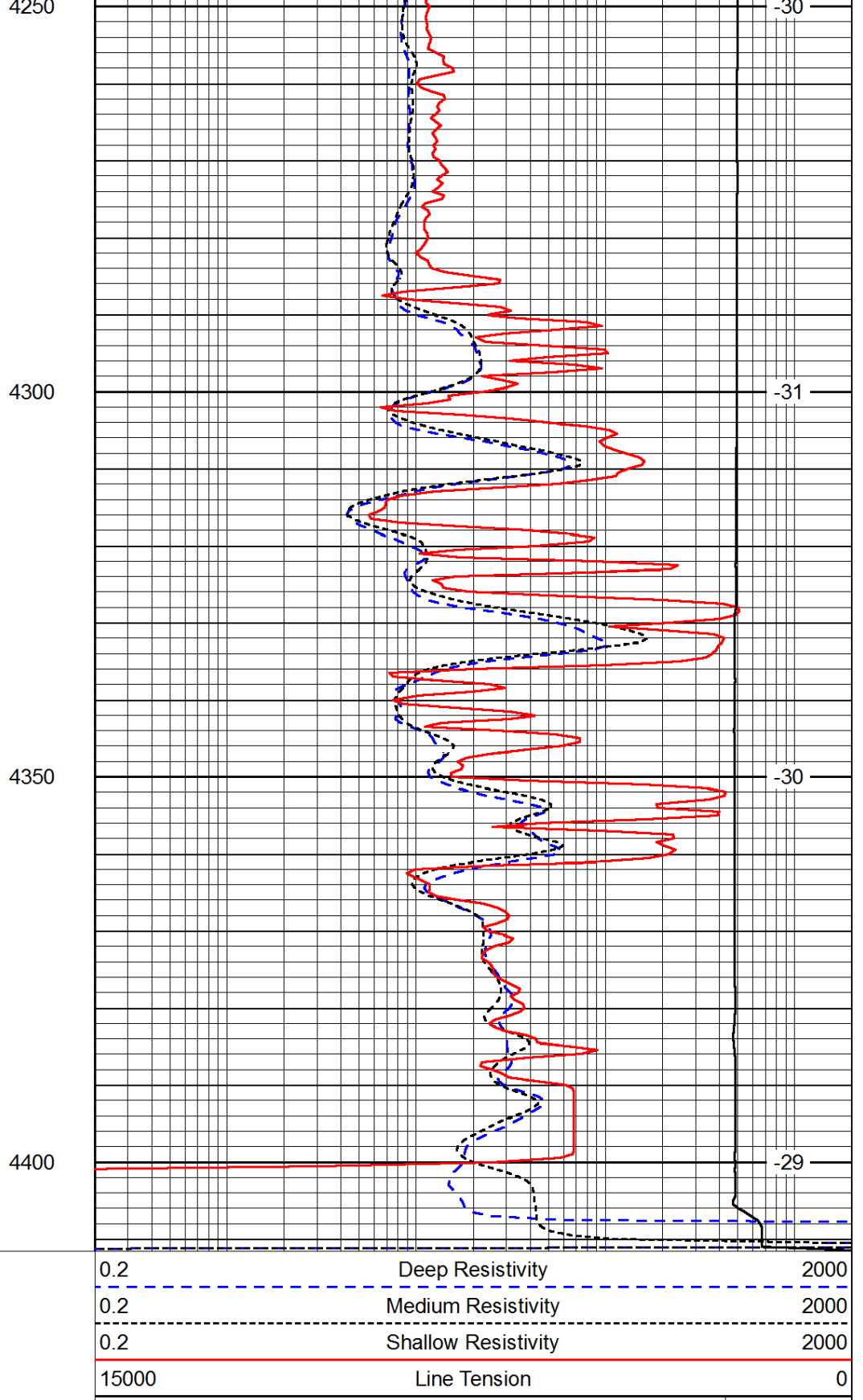
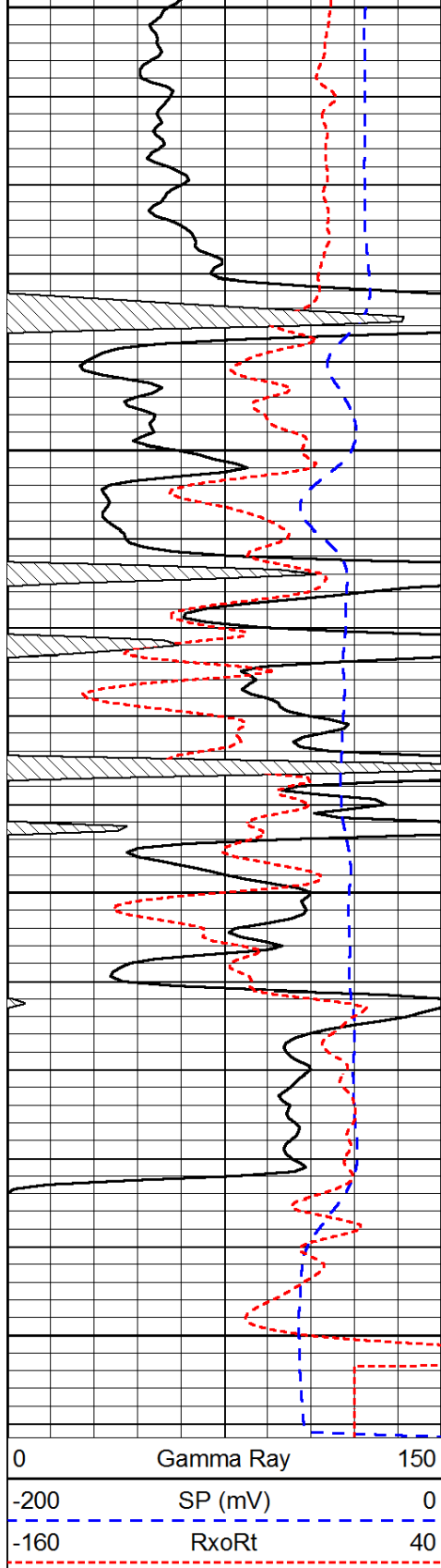


-32

-32

-31

-31



LSPD