



Dual Induction Log

Pioneer Energy Services

API No.

15-009-26036-00-00

Company LB Exploration, Inc.

Well Dolechek # 1

Field

County Barton

State

Kansas

Location

1910' FNL & 490' FEL

Sec: 22

Twp: 16 S

Rge: 14 W

Other Services
CNL/CDL
MEL/BHCS

Elevation

Permanent Datum Ground Level Elevation 1932
Log Measured From Kelly Bushing 13 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1945
D.F.
G.L. 1932

Date

10/15/2014

Run Number

One

Depth Driller

3490

Depth Logger

3486

Bottom Logged Interval

3485

Top Log Interval

400

Casing Driller

8.625 @ 412

Casing Logger

410

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

9.000

Density / Viscosity

9.0

pH / Fluid Loss

9.6

Source of Sample

Flowline

Rm @ Meas. Temp

0.45 @ 70

Rmf @ Meas. Temp

0.34 @ 70

Rmc @ Meas. Temp

0.61 @ 70

Source of Rmf / Rmc

Charts

Rm @ BHT

0.28 @ 111

Operating Rig Time

5 Hours

Max Rec. Temp. F

111

Equipment Number

15

Location

Hays

Recorded By

Y. Ruiz

Witnessed By

Steven Petermann

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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

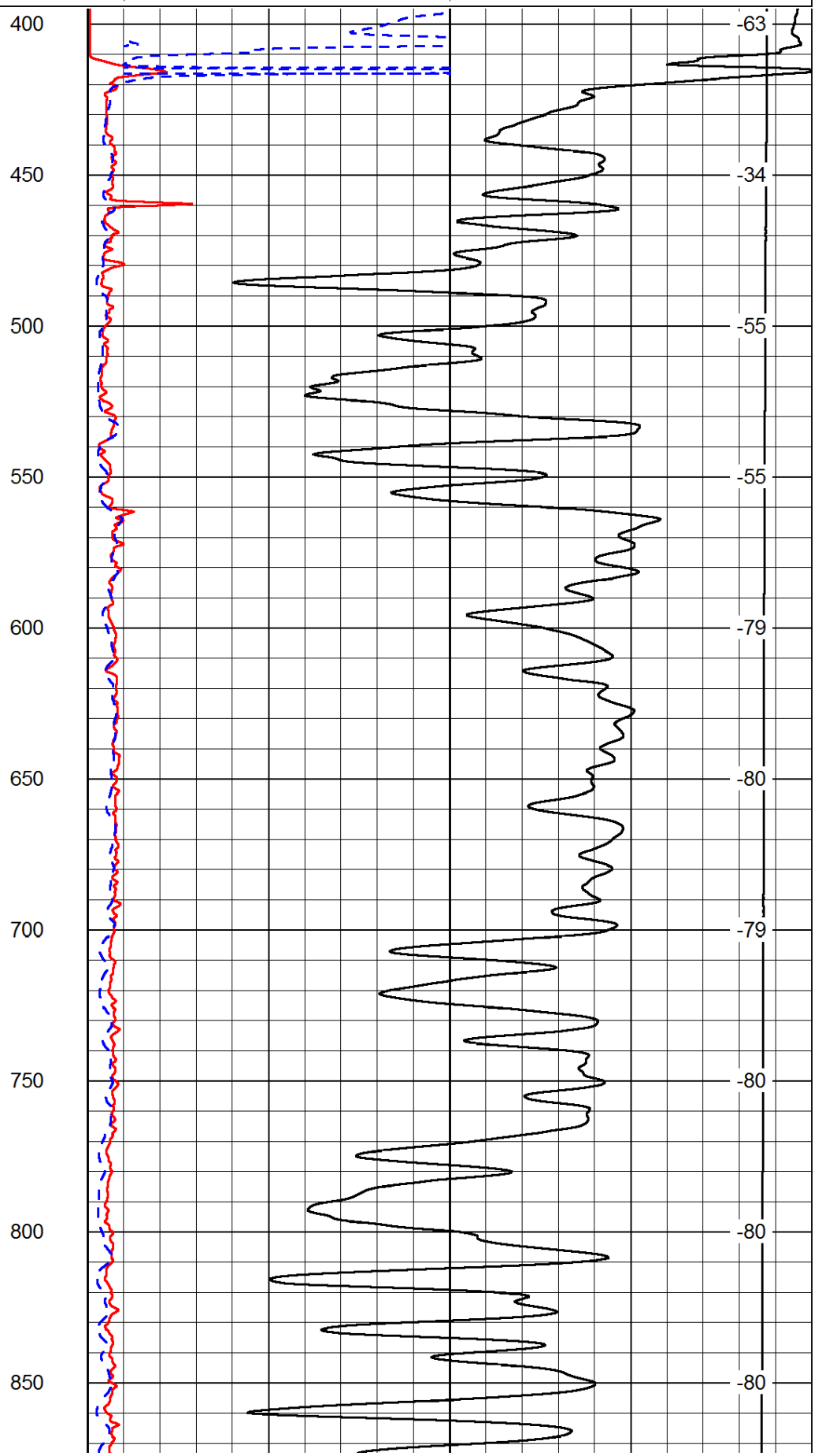
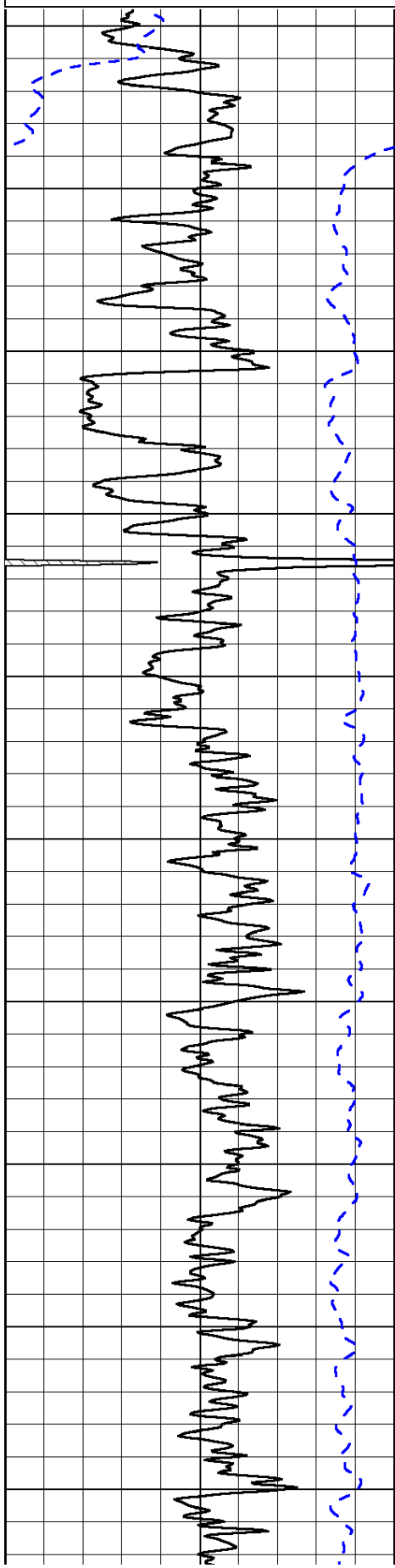
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Russell,
South to 200 Rd, 1/4 West
South into

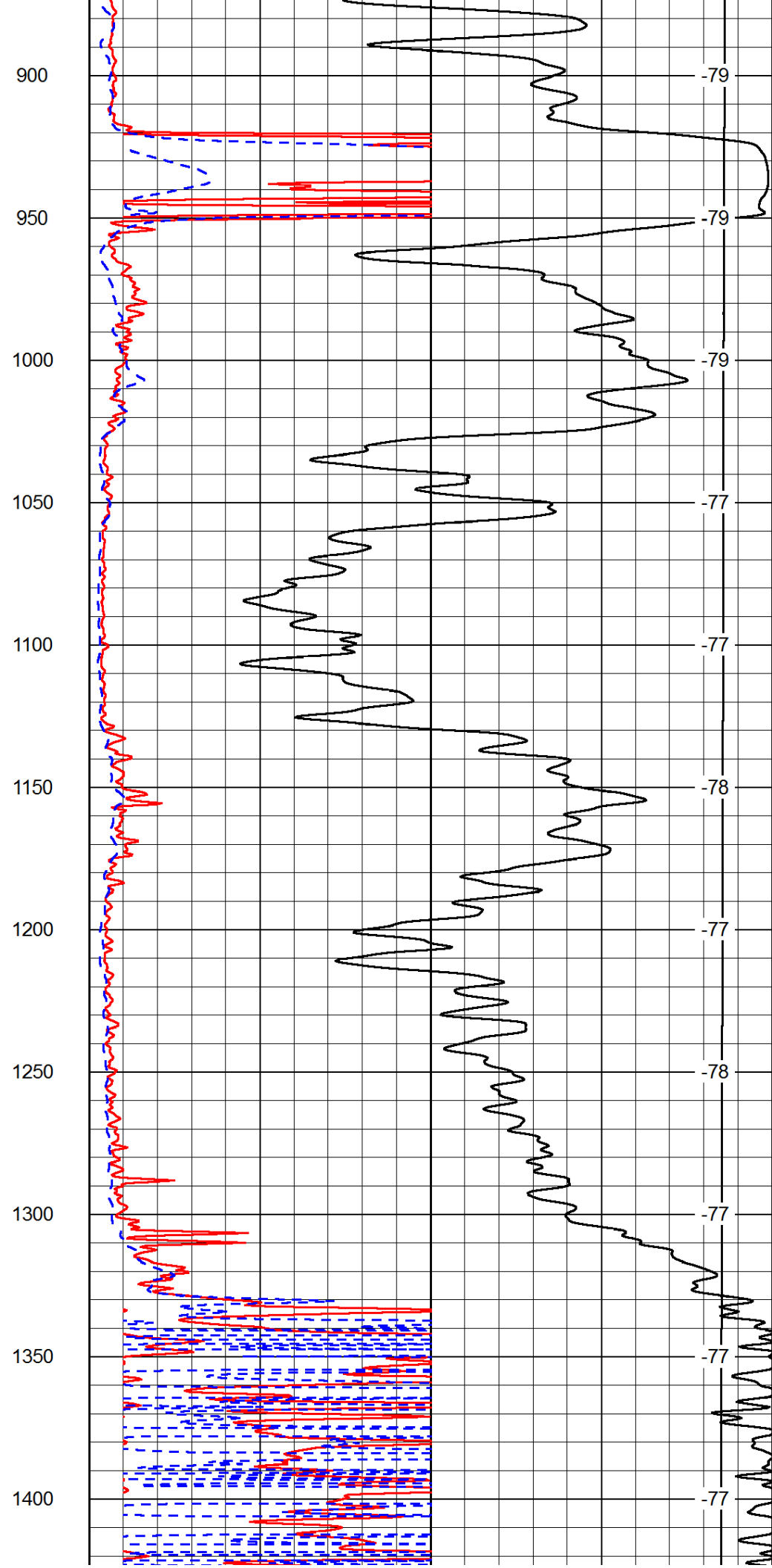
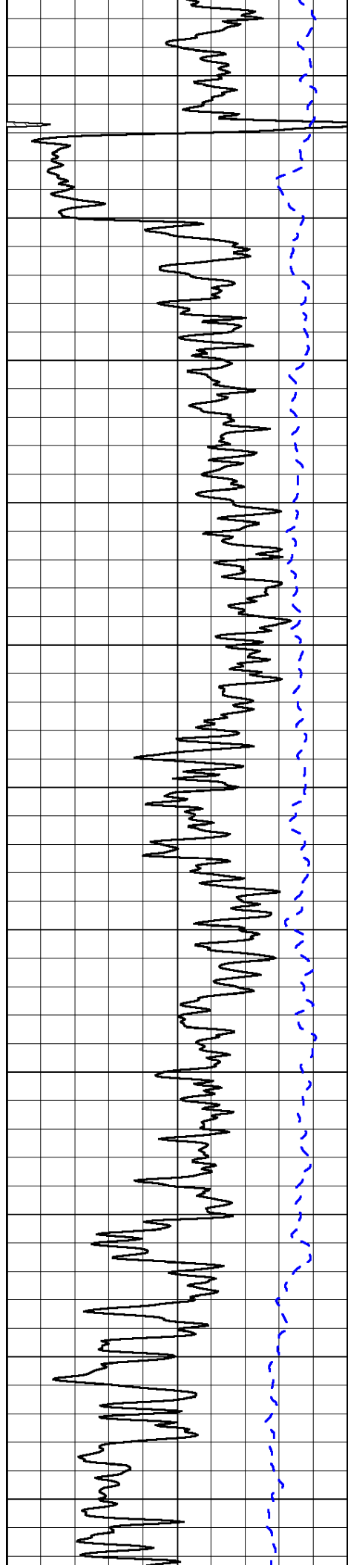
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Dataset Pathname: DIL\lbstk
Presentation Format: dil2in
Dataset Creation: Wed Oct 15 19:25:53 2014
Charted by: Depth in Feet scaled 1:600

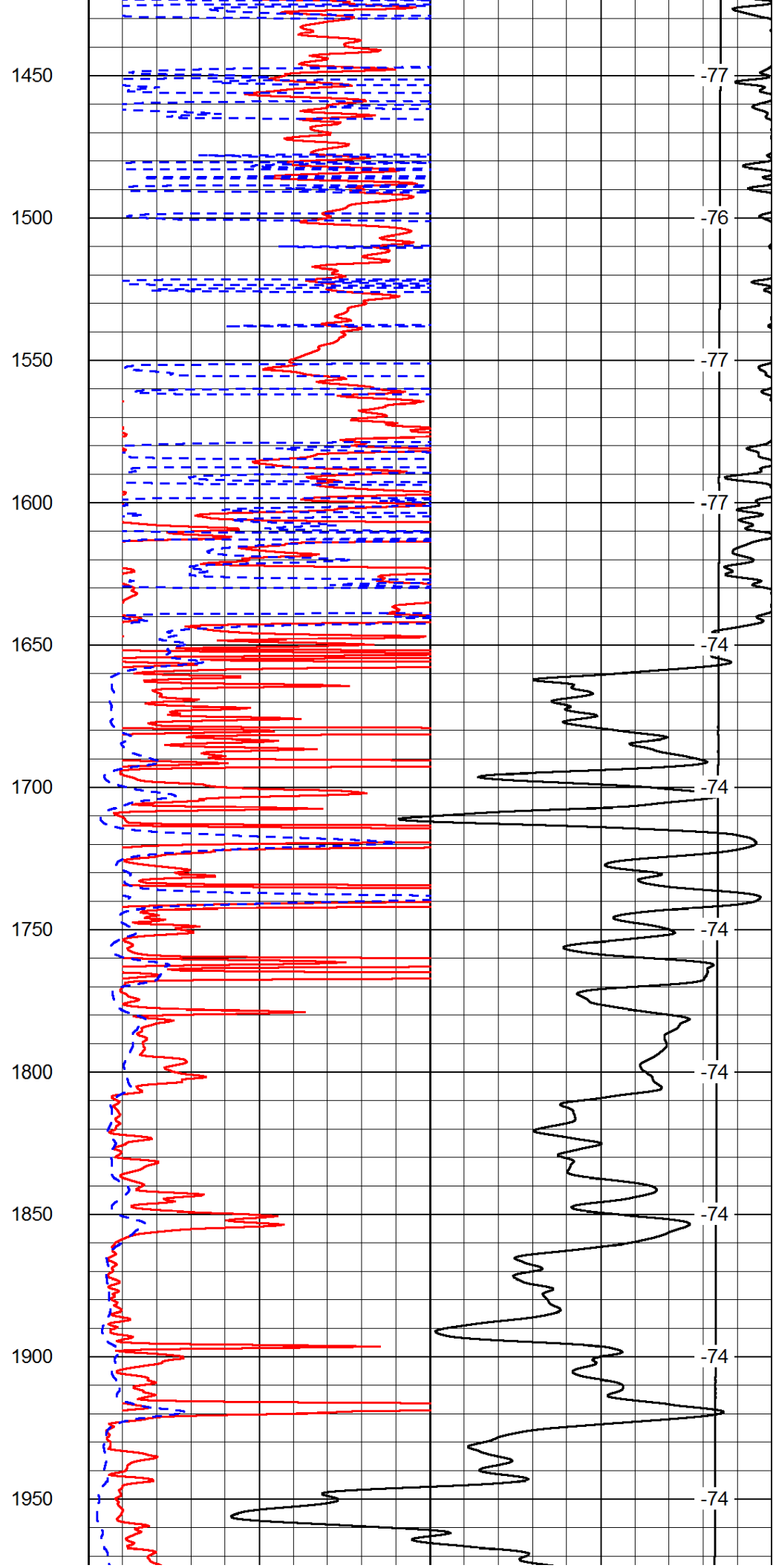
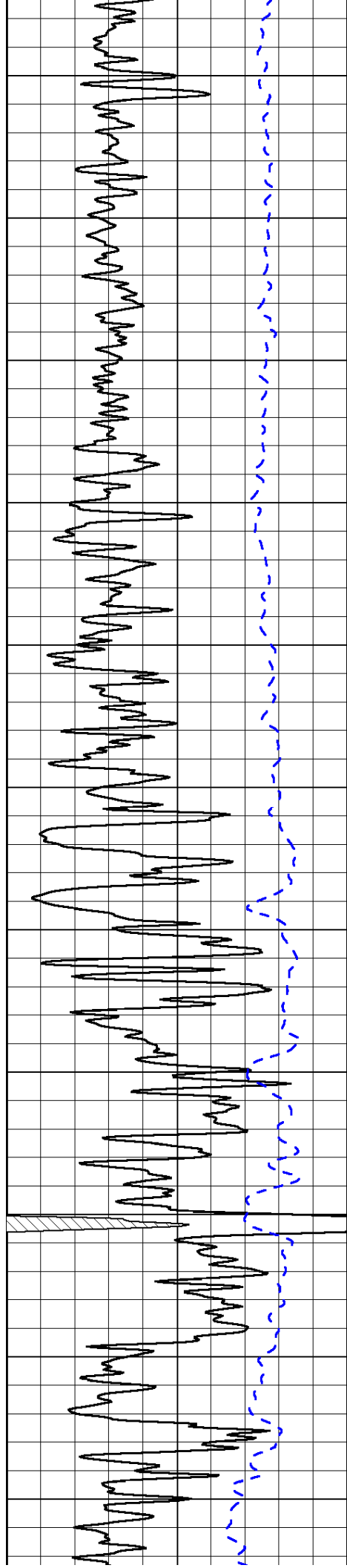
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-200	SP (mV)	0

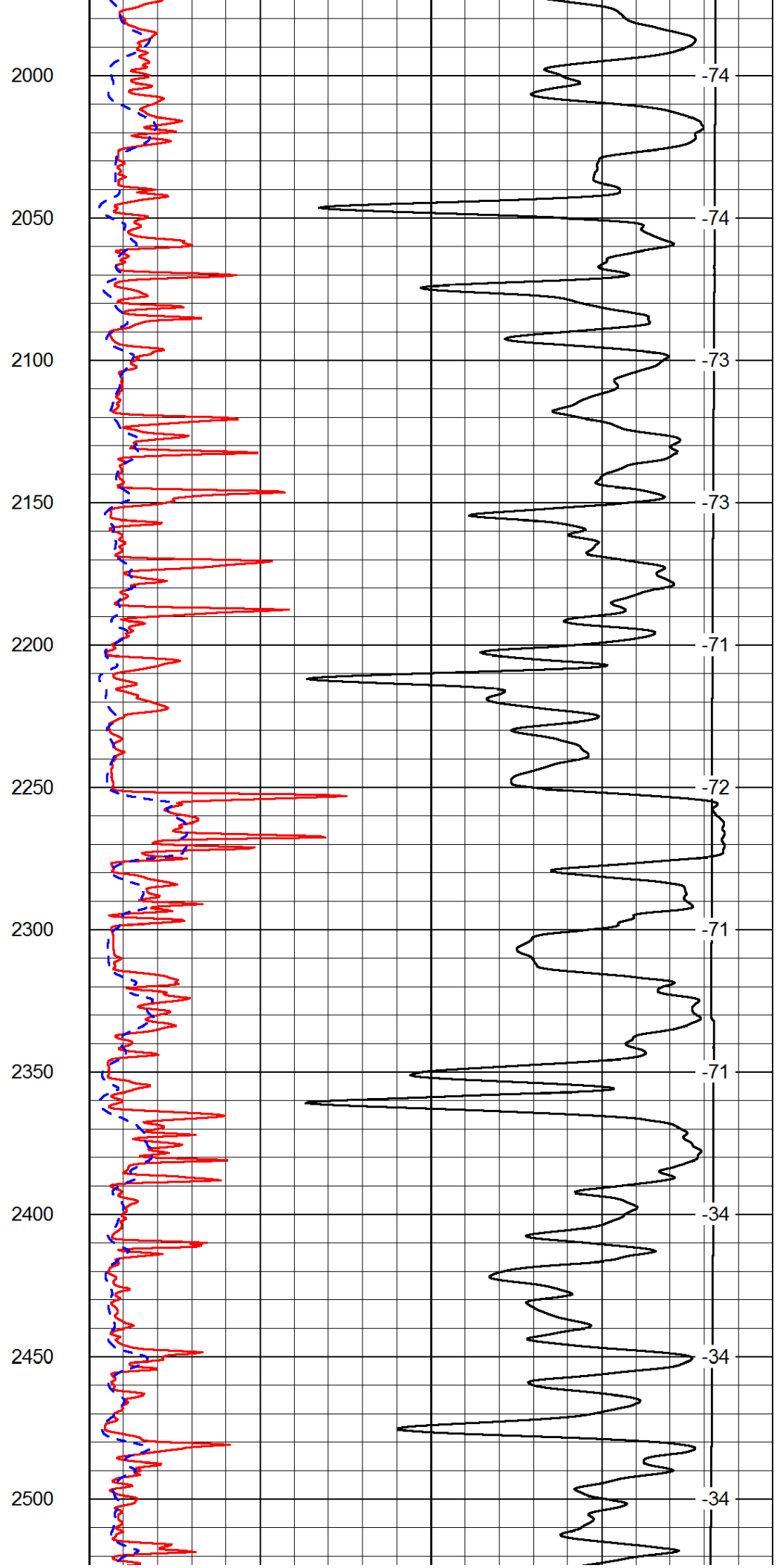
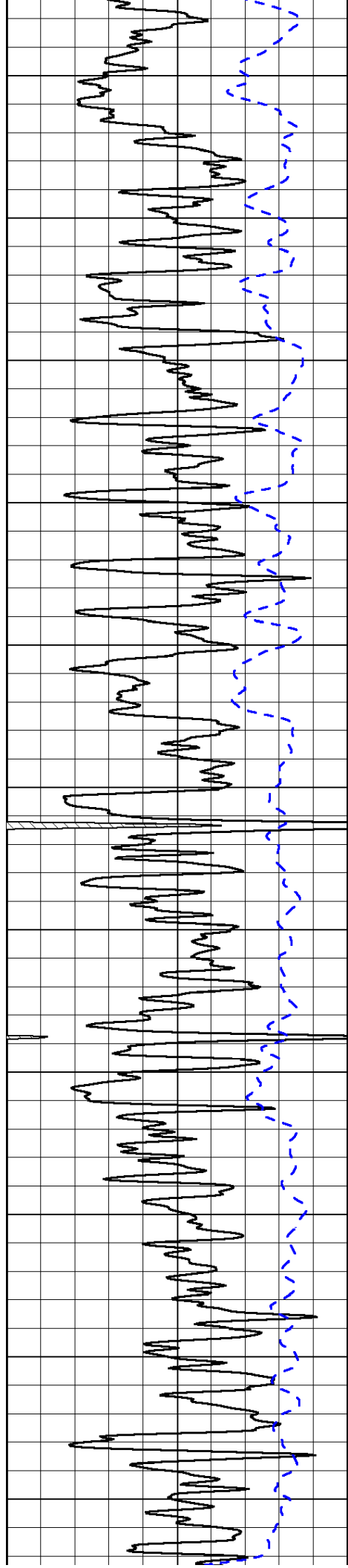
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

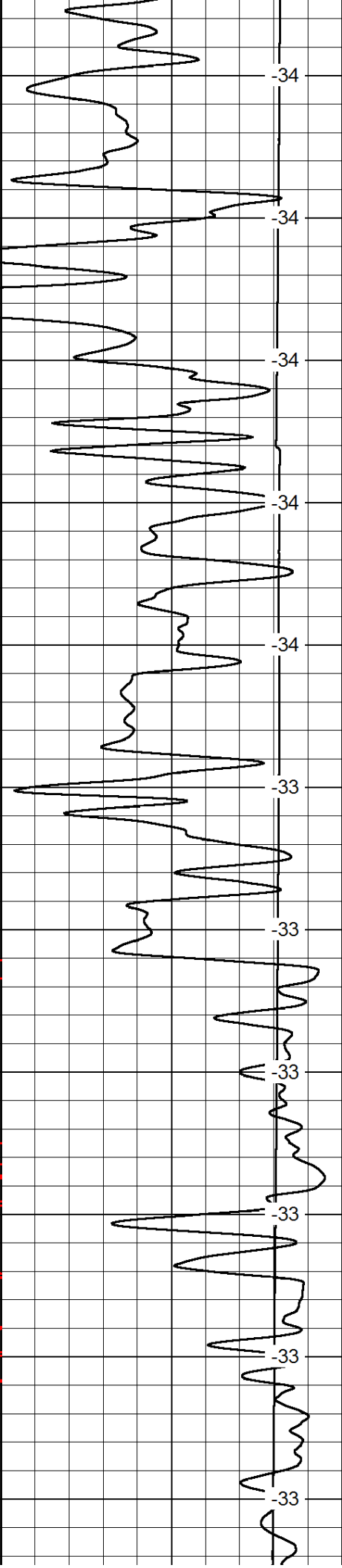
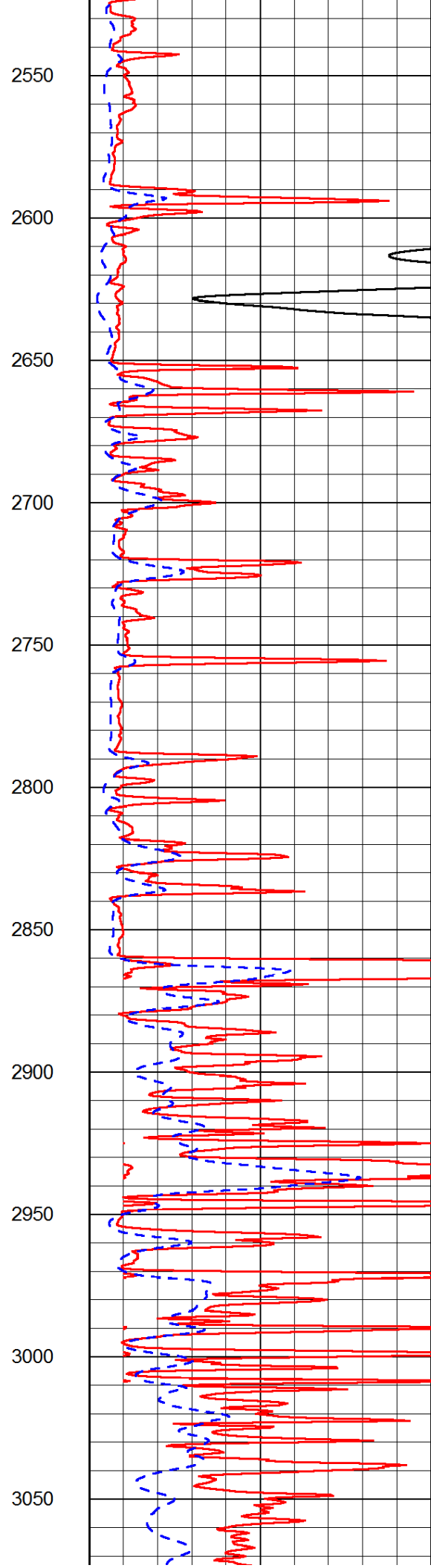
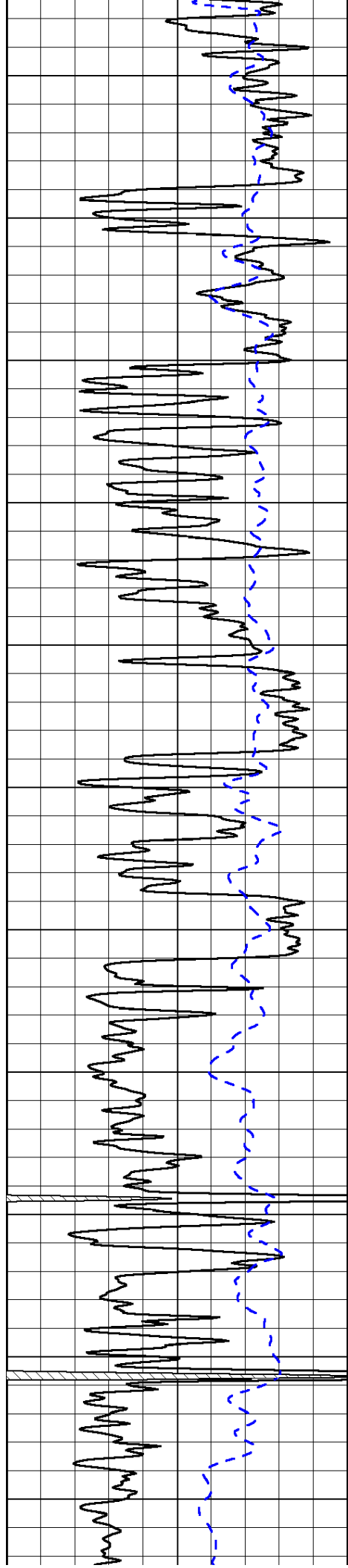
LSPD

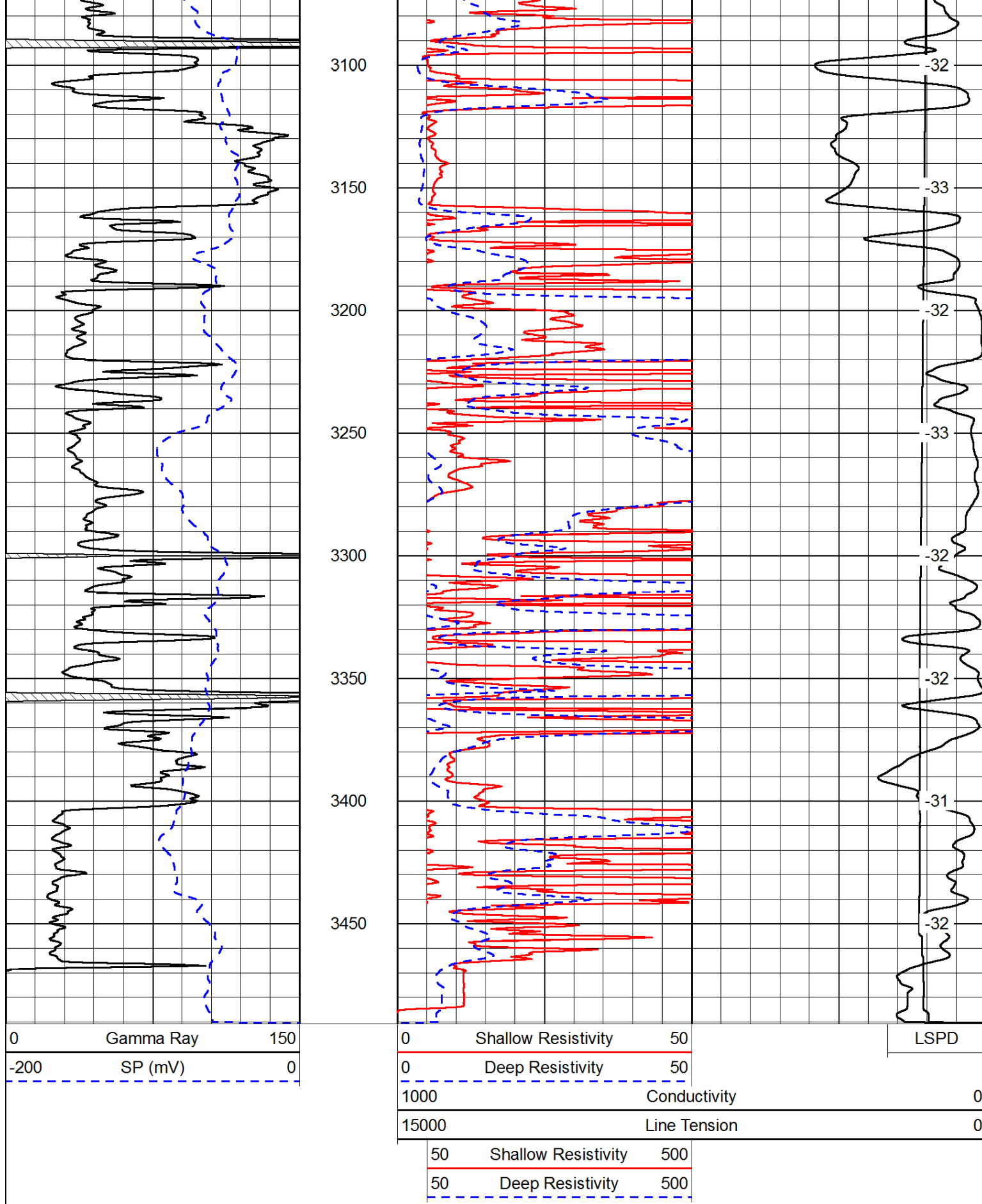










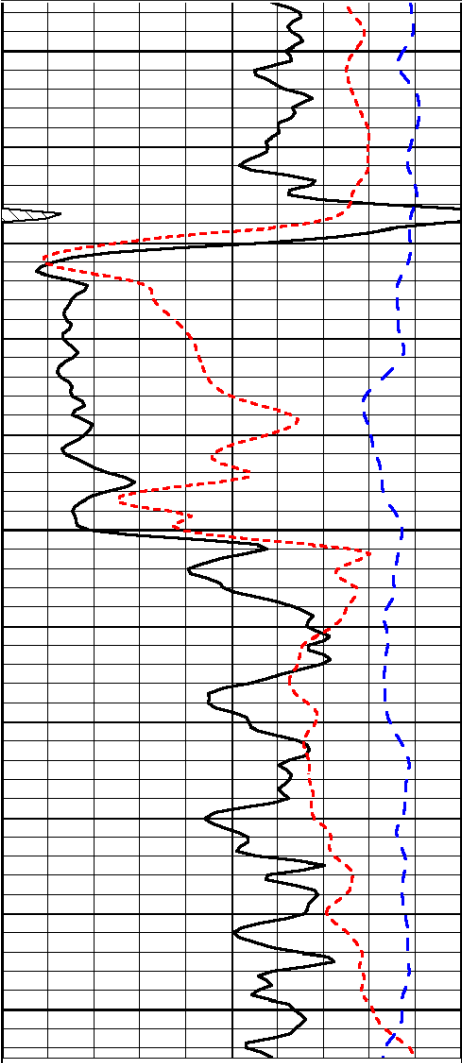


Database File: c:\warrior\data\lb exp_dolechek # 1\lb_dolechek_1hd.db
 Dataset Pathname: DIL/lbstk
 Presentation Format: dil
 Dataset Creation: Wed Oct 15 19:25:53 2014
 Charted by: Depth in Feet scaled 1:240

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

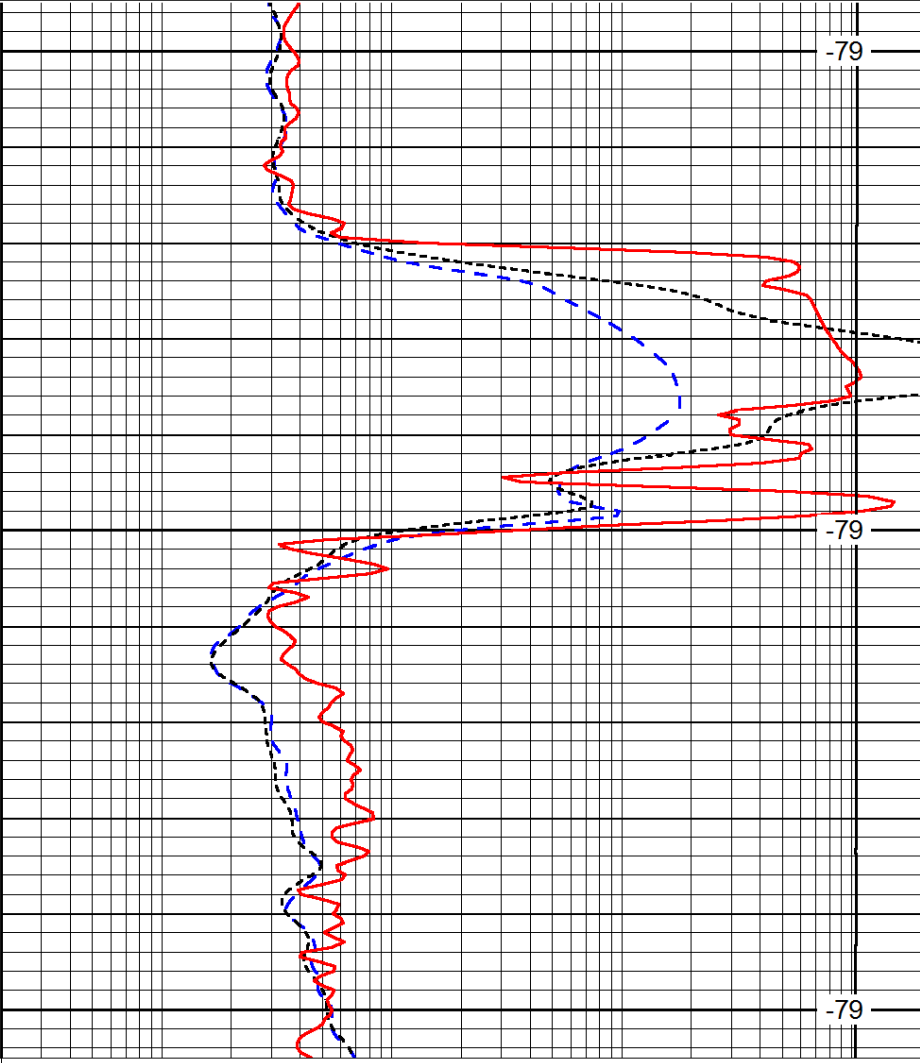
LSPD



900

950

1000



-79

-79

-79

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

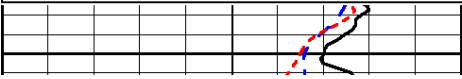
LSPD

Database File: c:\warrior\data\lb_exp_dolechek # 1\lb_dolechek_1hd.db
Dataset Pathname: DIL/lbstk
Presentation Format: dil
Dataset Creation: Wed Oct 15 19:25:53 2014
Charted by: Depth in Feet scaled 1:240

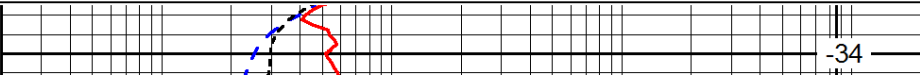
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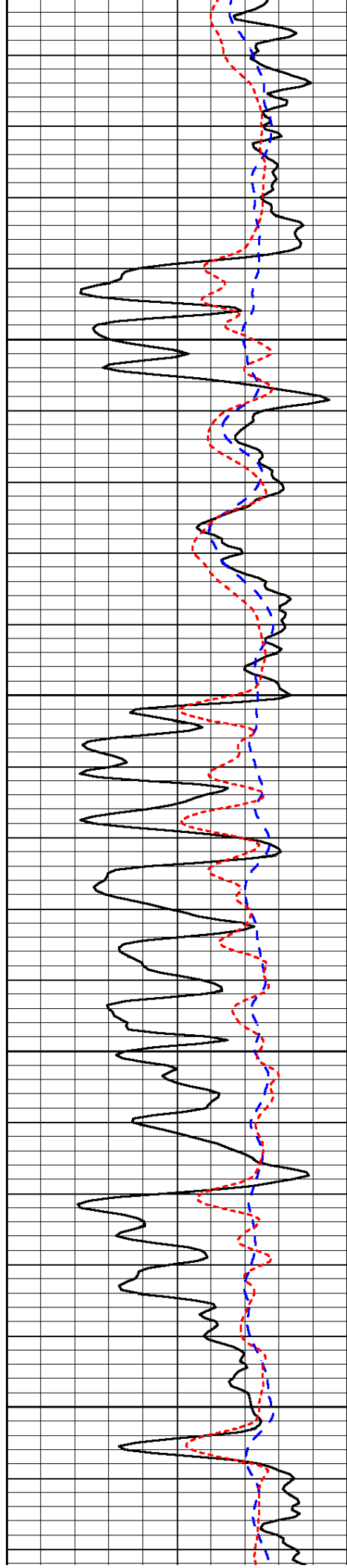
LSPD



2550



-34

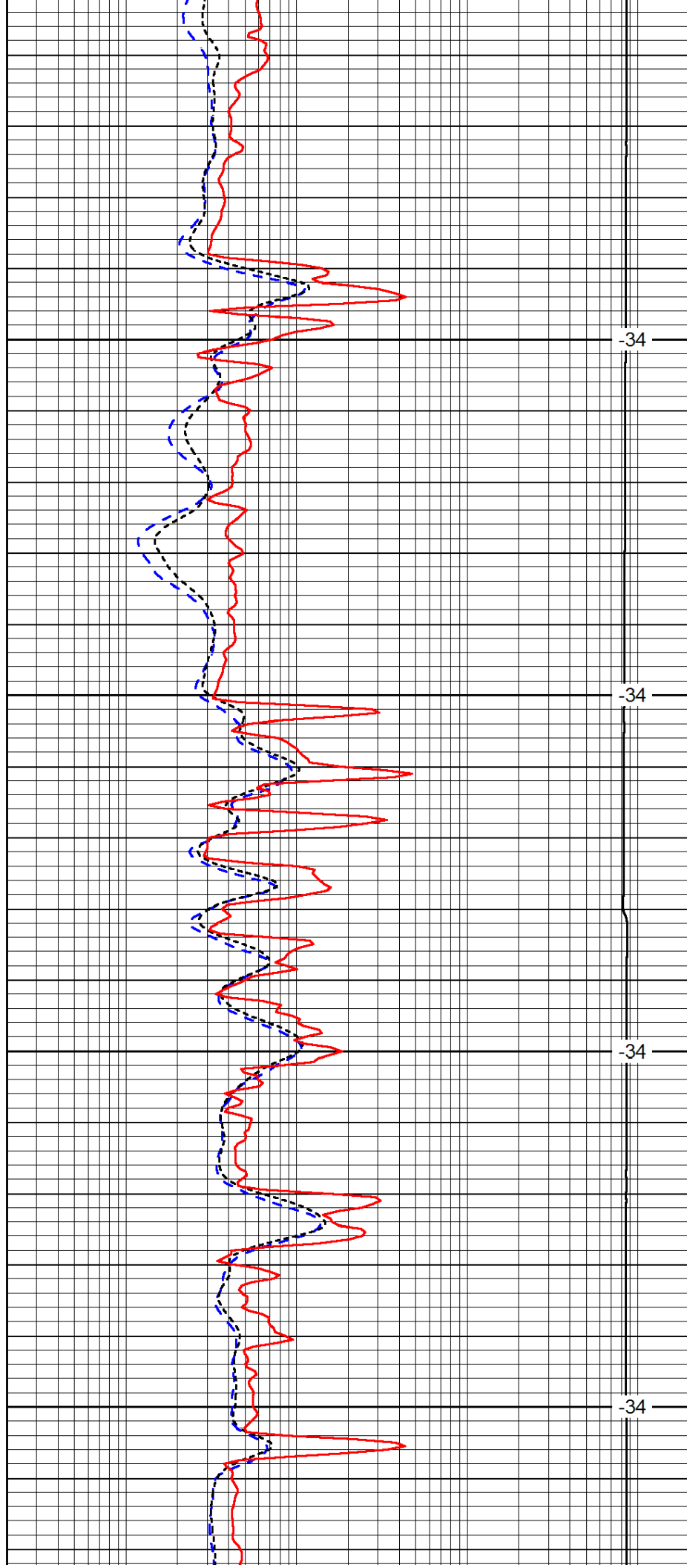


2600

2650

2700

2750

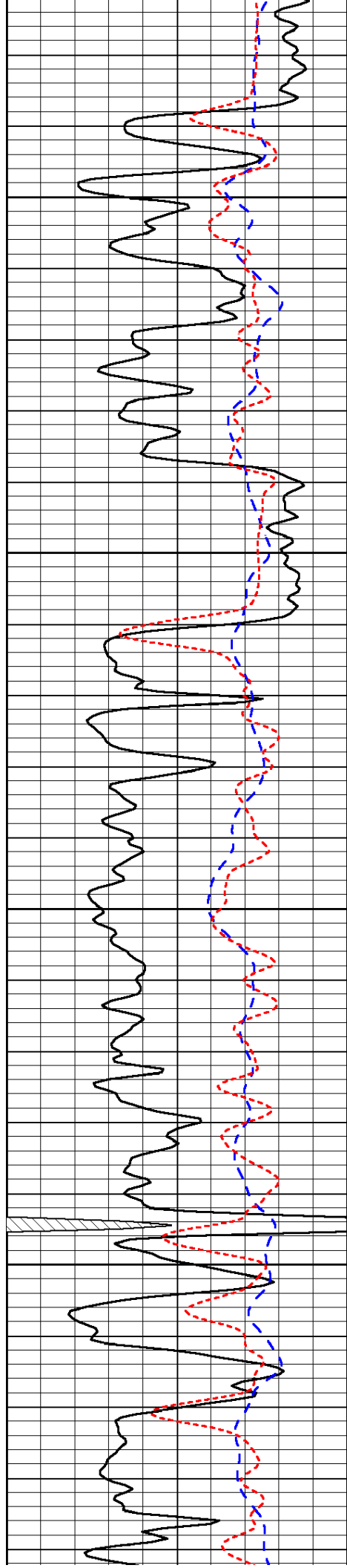


-34

-34

-34

-34

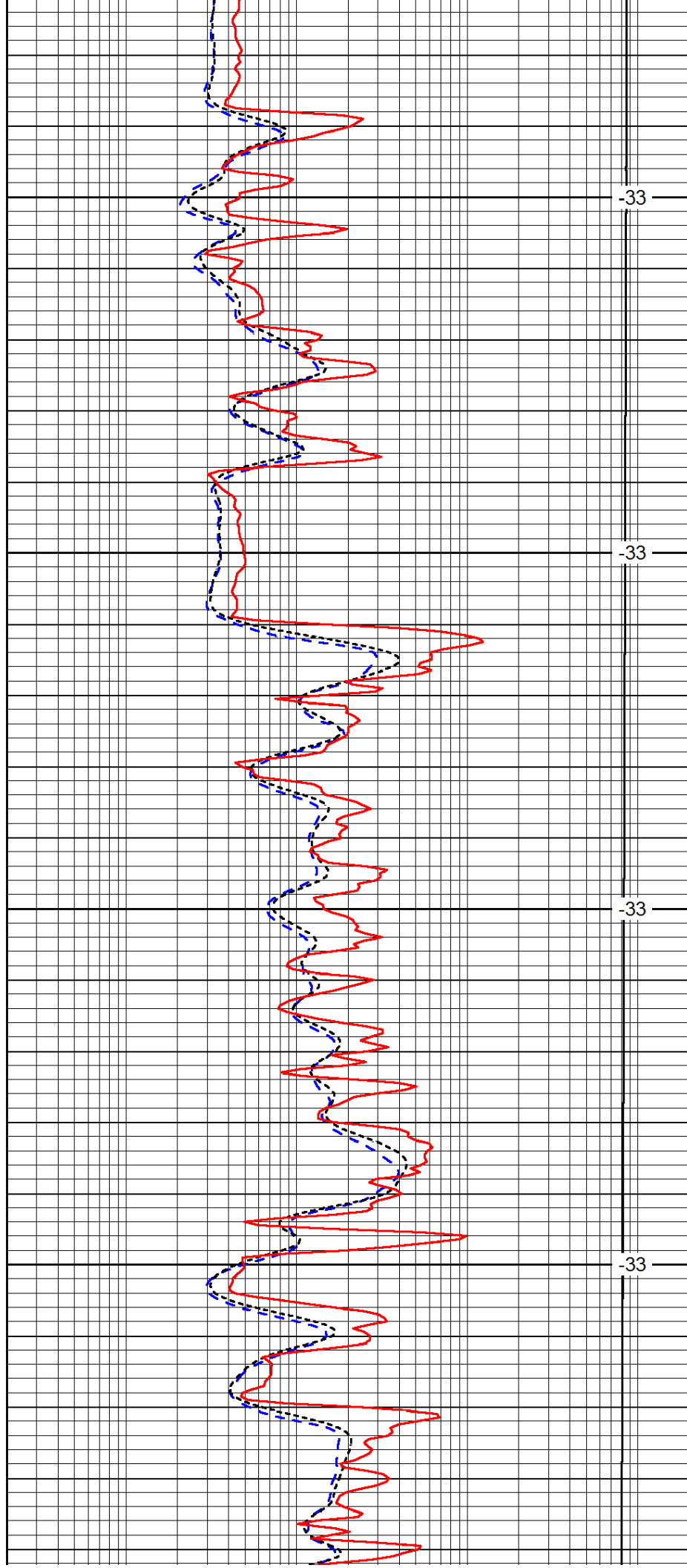


2800

2850

2900

2950

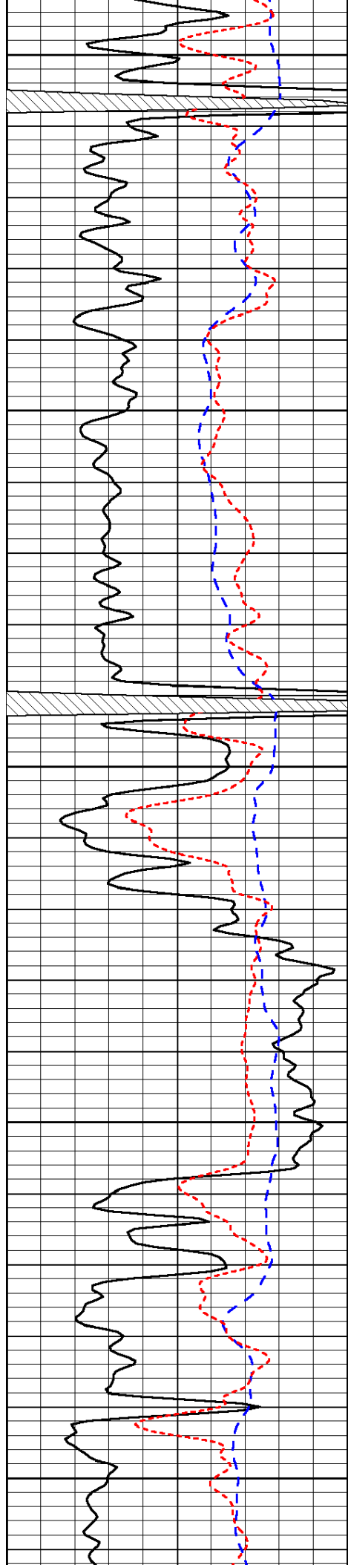


-33

-33

-33

-33



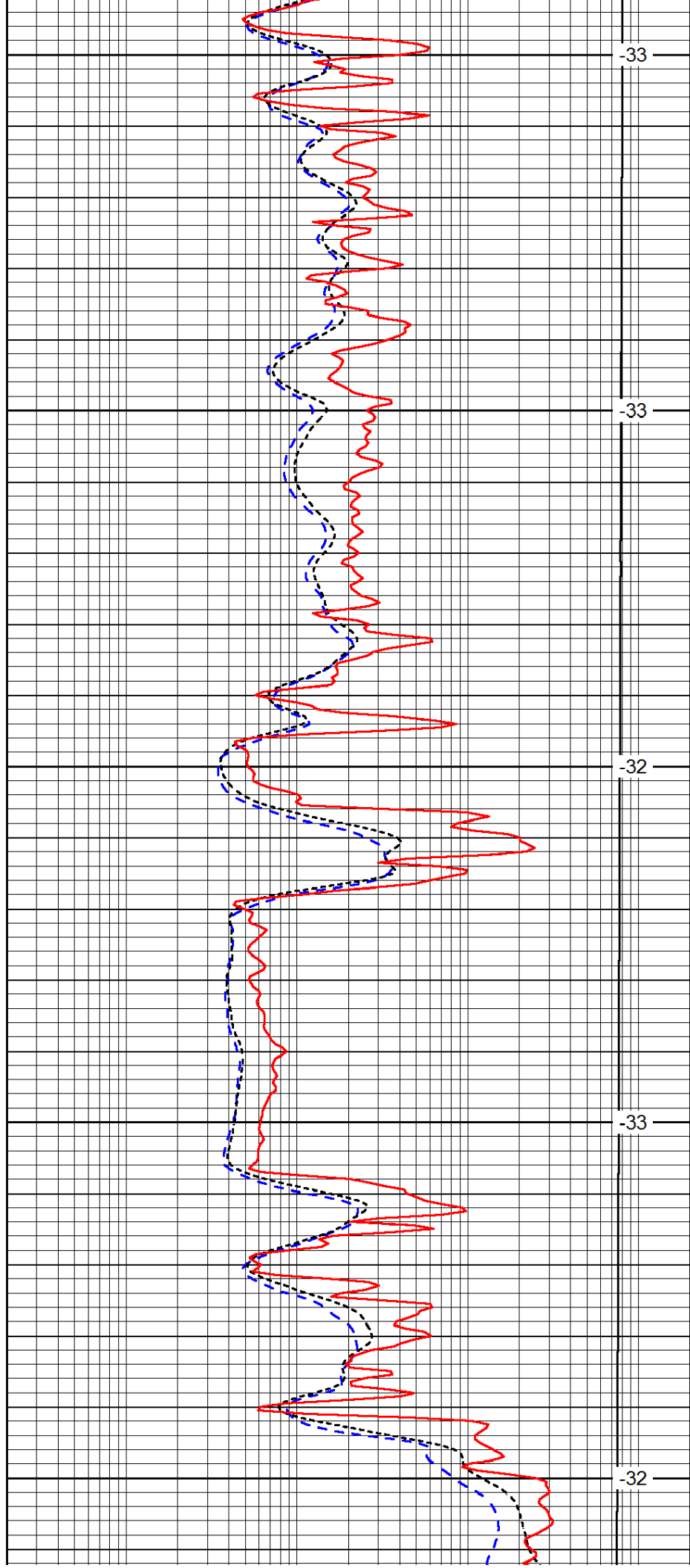
3000

3050

3100

3150

3200



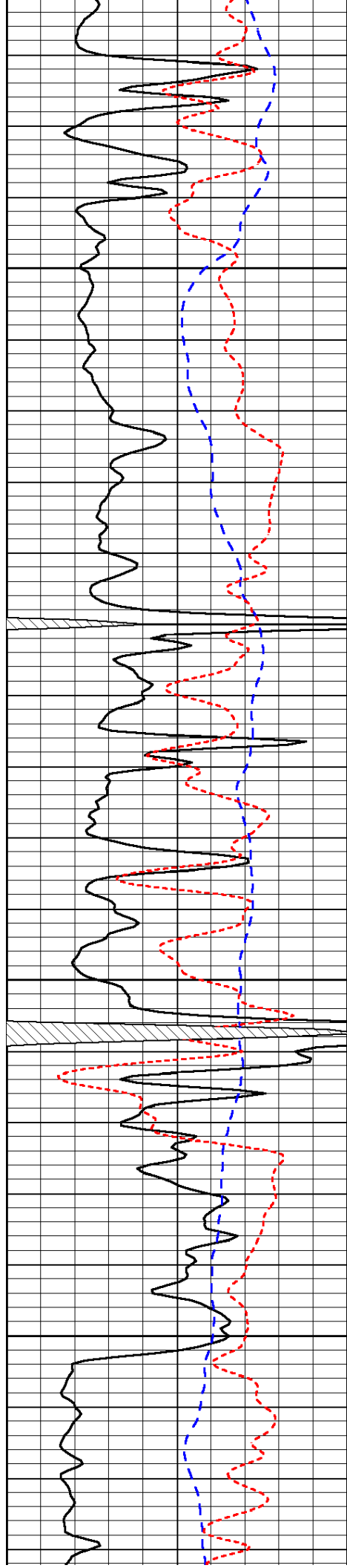
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-33

-32

-33

-32

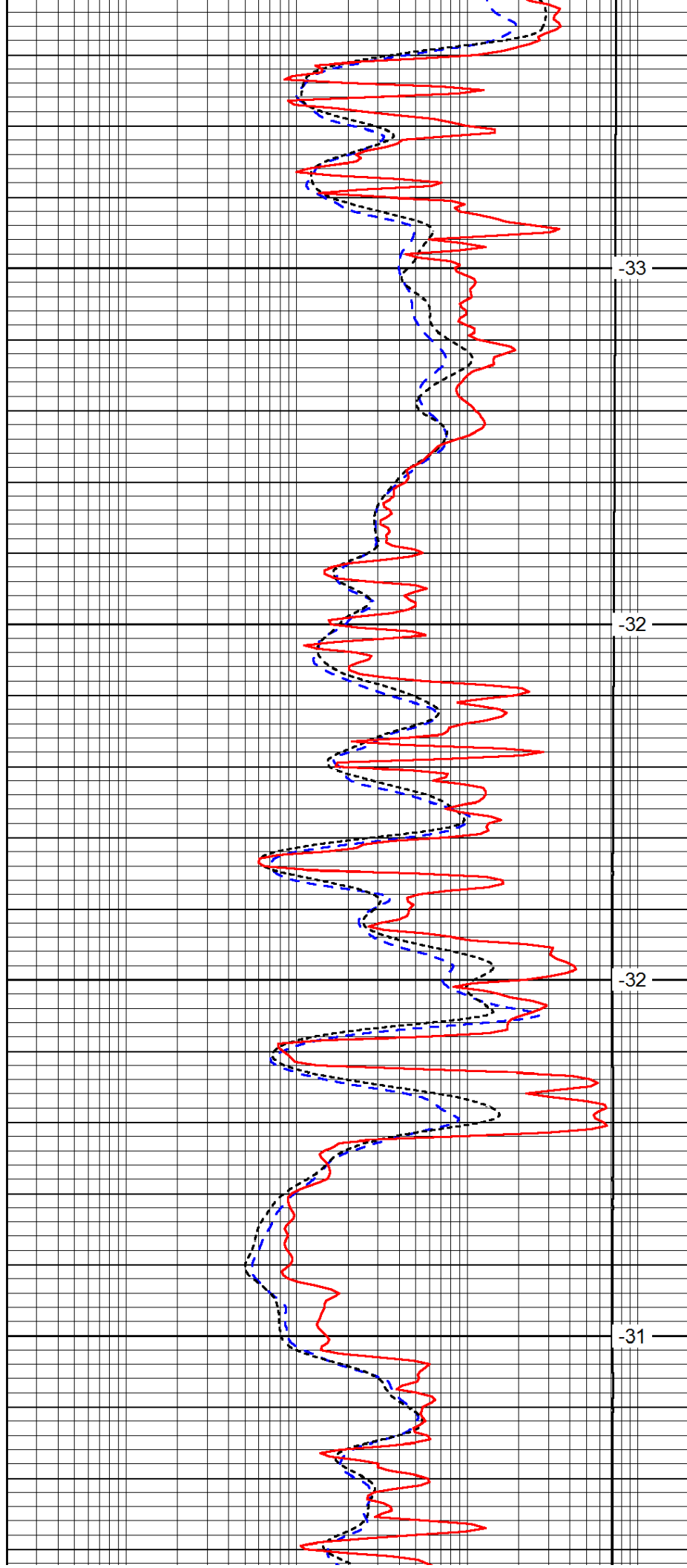


3250

3300

3350

3400

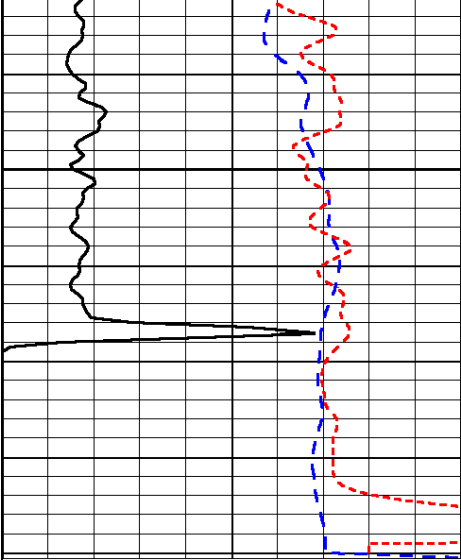


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-32

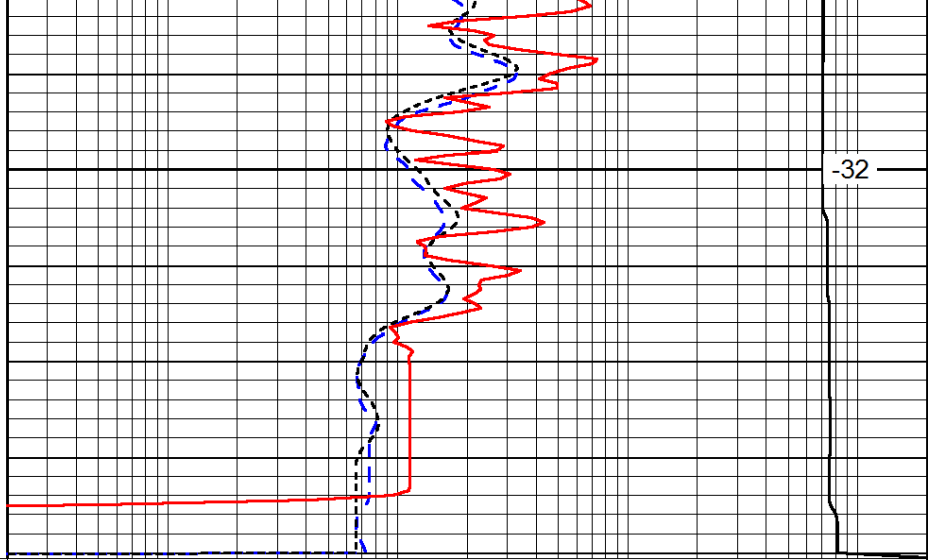
-32

-31



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

3450



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

LSPD