



Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No.

15-101-22,316-00-00

Company Larson Operating Company

Well McWhirter "E" No. 1-3

Field Wildcat

County Lane State Kansas

Location 330' FSL & 1504' FEL

Sec: 3 Twp: 18 S Rge: 28 W

Permanent Datum Ground Level Elevation 2721
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
MEL

Elevation
K.B. 2728
D.F.
G.L. 2721

Date 10/28/2011

Run Number One

Depth Driller 4660

Depth Logger 4661

Bottom Logged Interval 4660

Top Log Interval 250

Casing Driller 8.625 @ 255

Casing Logger 255

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 3100

Density / Viscosity 9.5 67

pH / Fluid Loss 10.0 8.0

Source of Sample Flowline

Rm @ Meas. Temp .7 @ 65

Rmf @ Meas. Temp .525 @ 65

Rmc @ Meas. Temp .94 @ 65

Source of Rmf / Rmc Charts

Rm @ BHT .37 @ 125

Operating Rig Time 4 1/2 Hours

Max Rec. Temp. F 125

Equipment Number 91

Location Hays

Recorded By D.Kerr

Witnessed By Bob Lewellyn Tom Larson

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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

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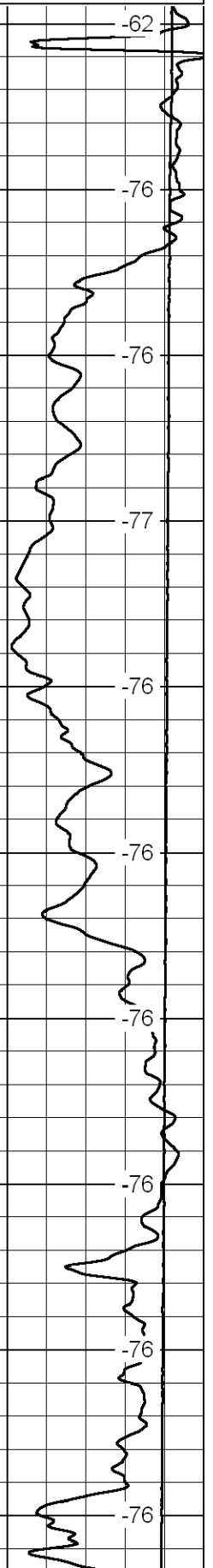
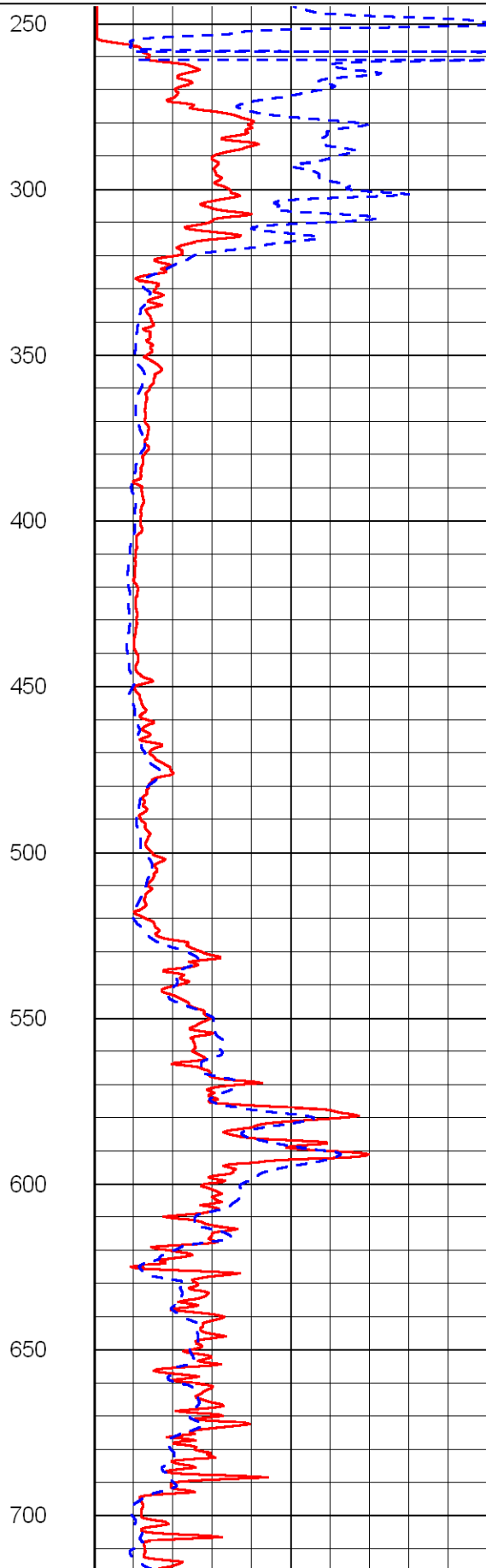
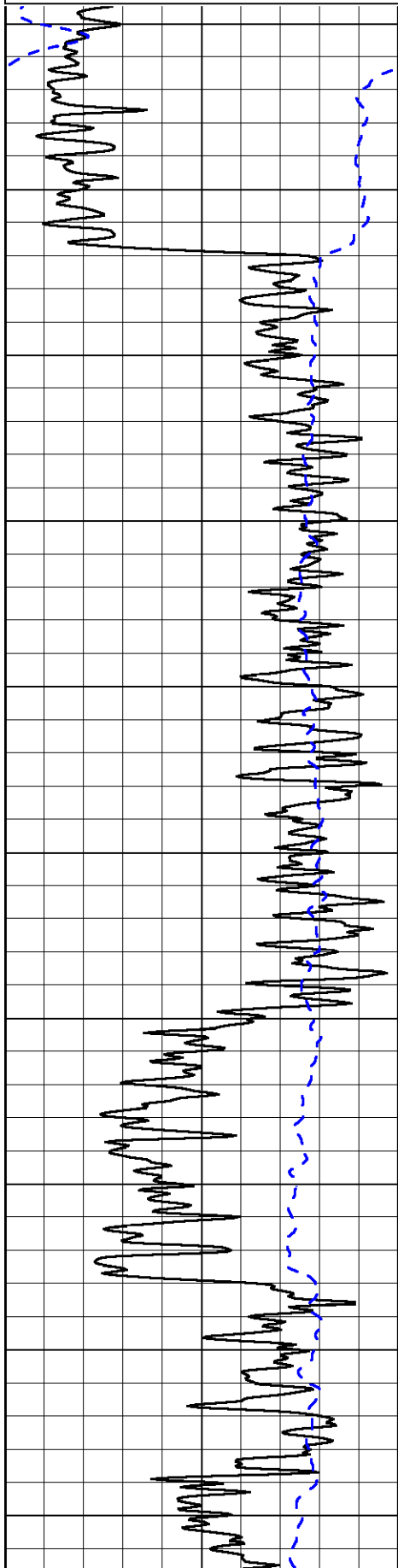
Dighton KS, 3 East to Newton RD,
2 North to 170 RD, 1/4 East,
East Into (Stay Left)

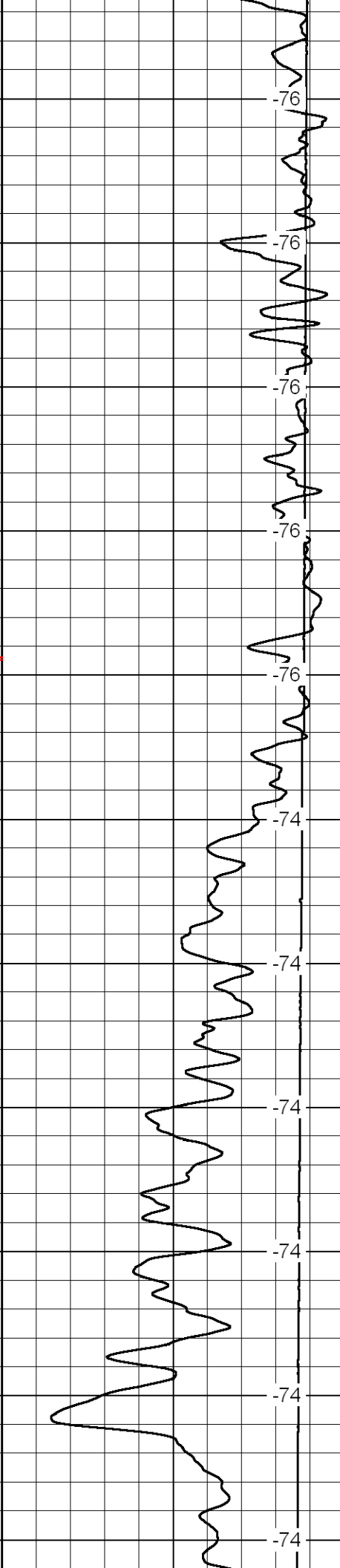
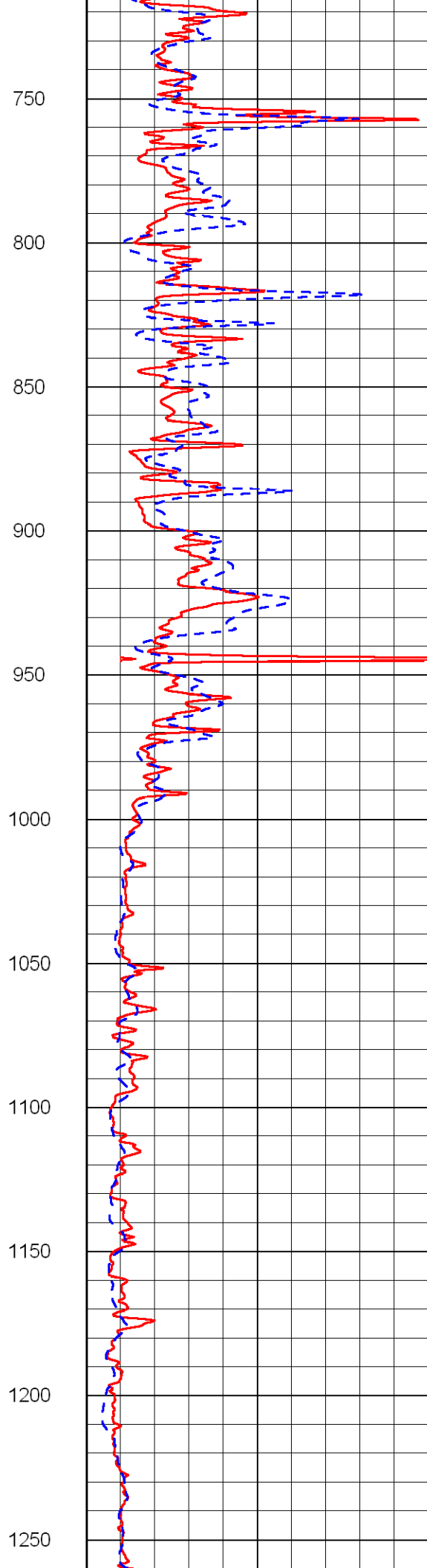
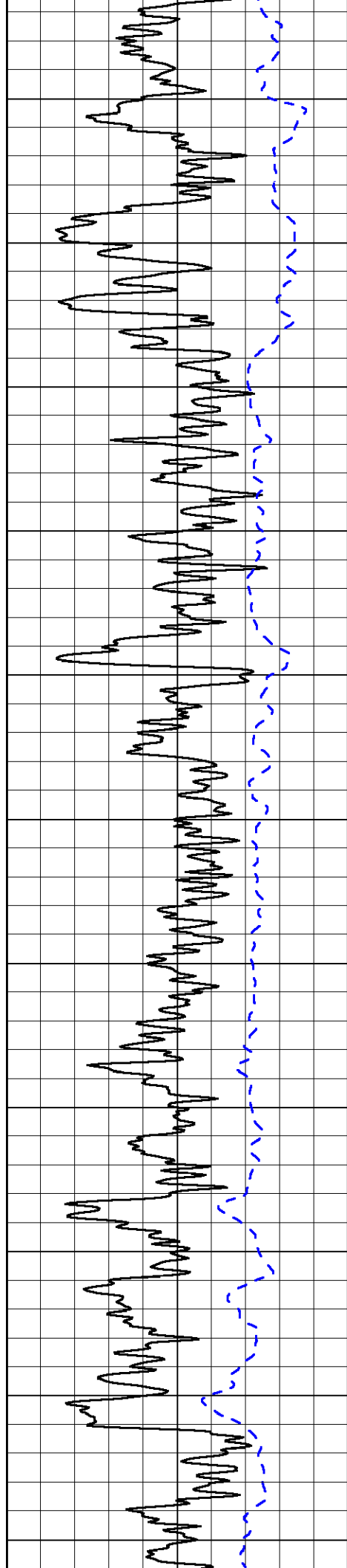
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Presentation Format: dil2in
Dataset Creation: Fri Oct 28 08:45:23 2011
Charted by: Depth in Feet scaled 1:600

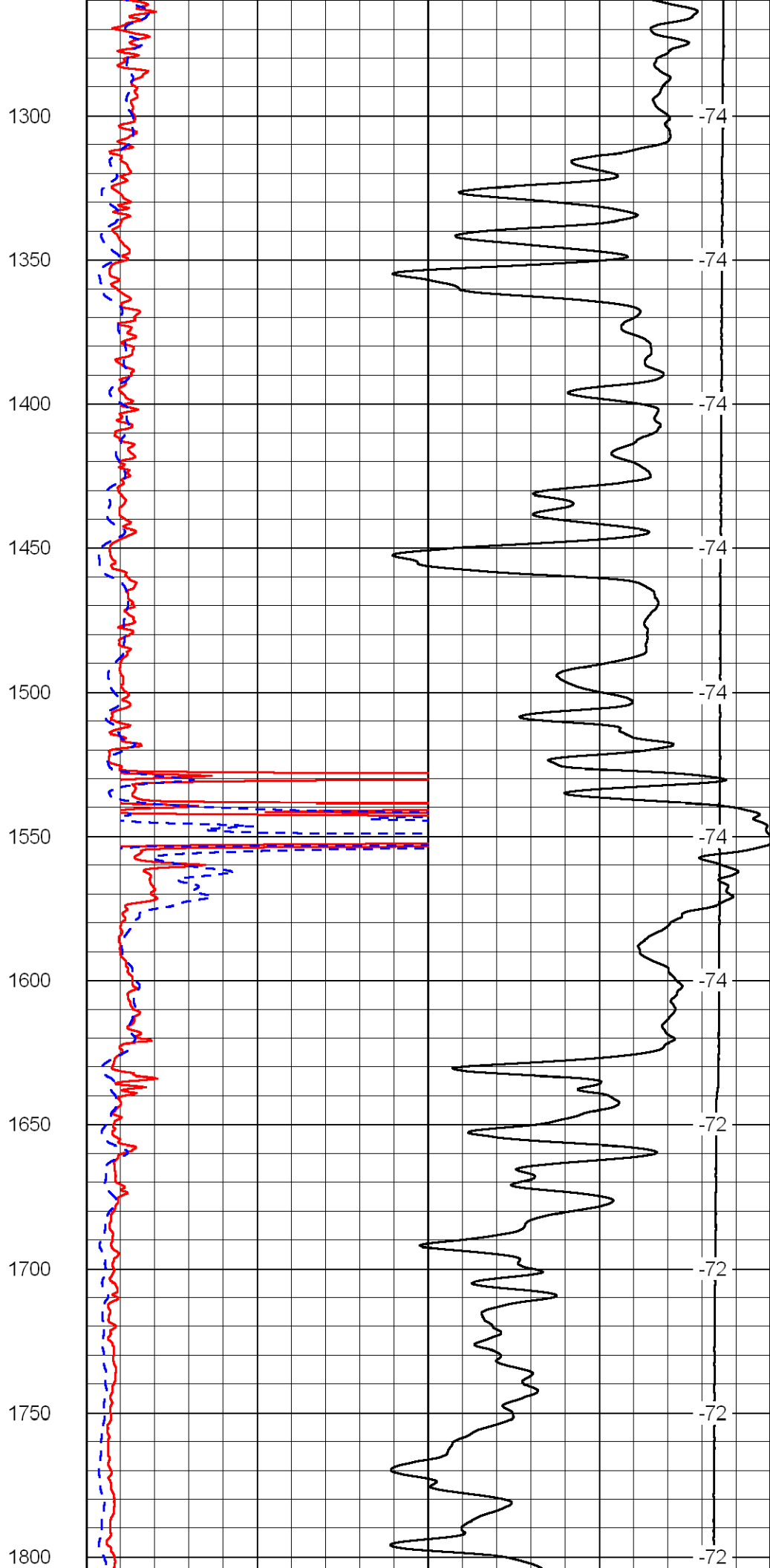
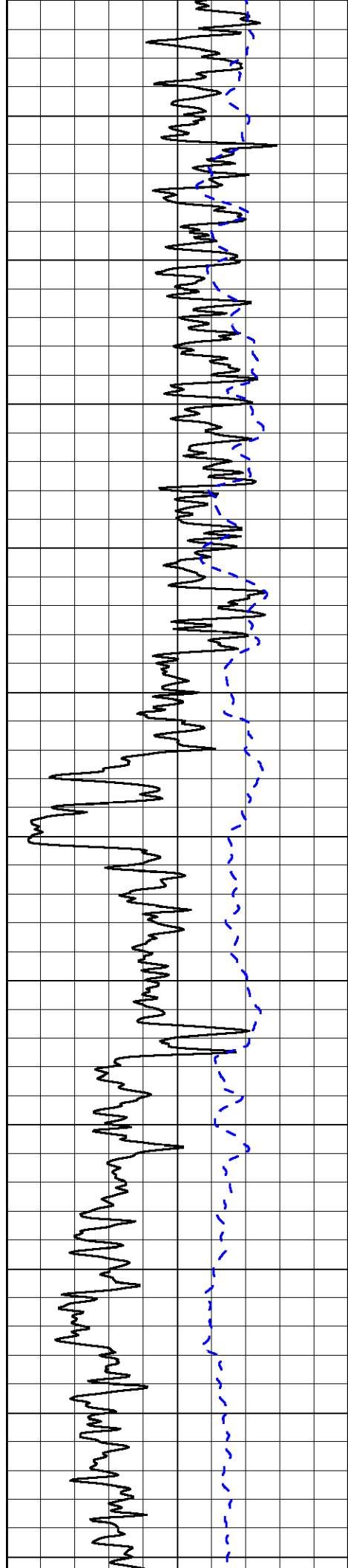
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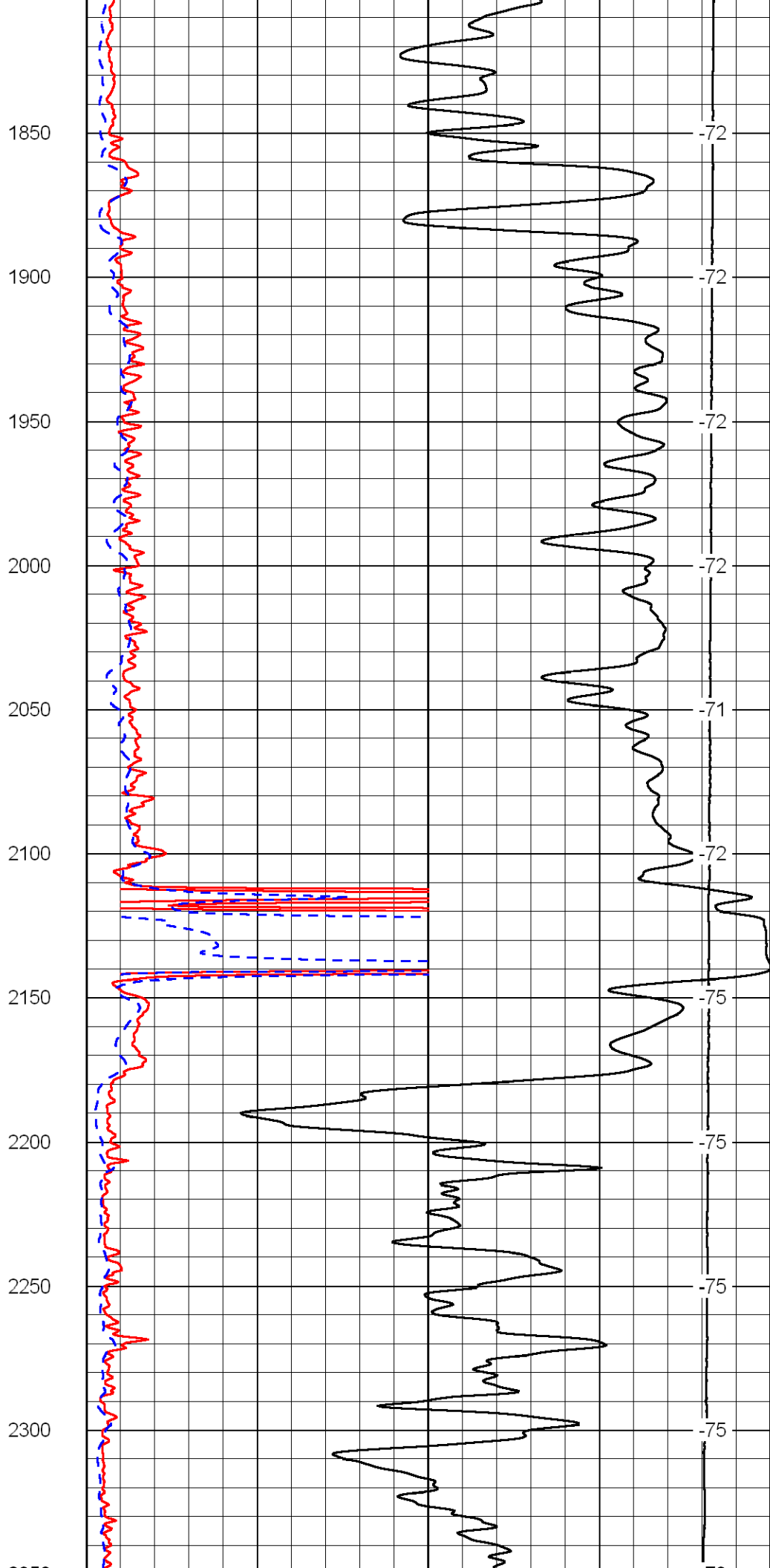
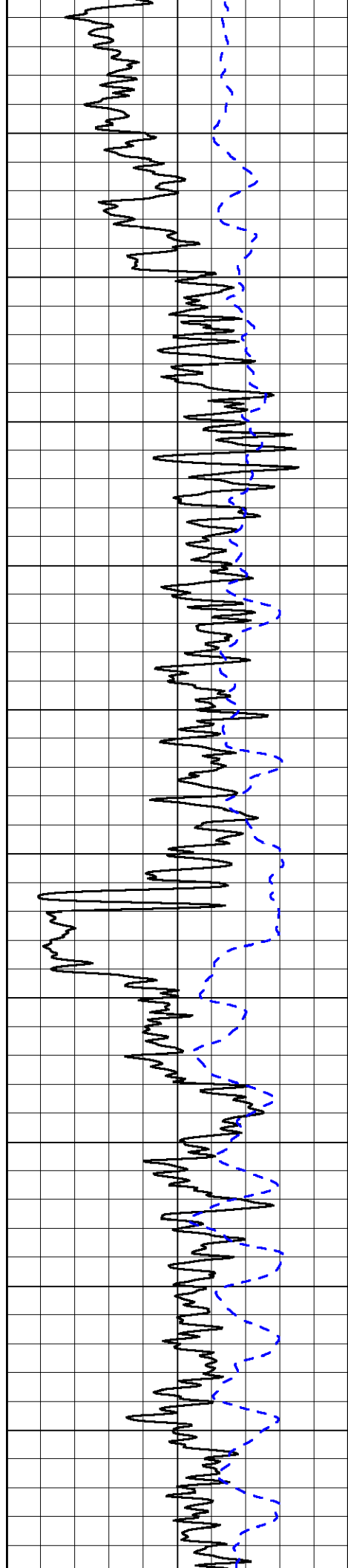
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15000	Line Tension	0

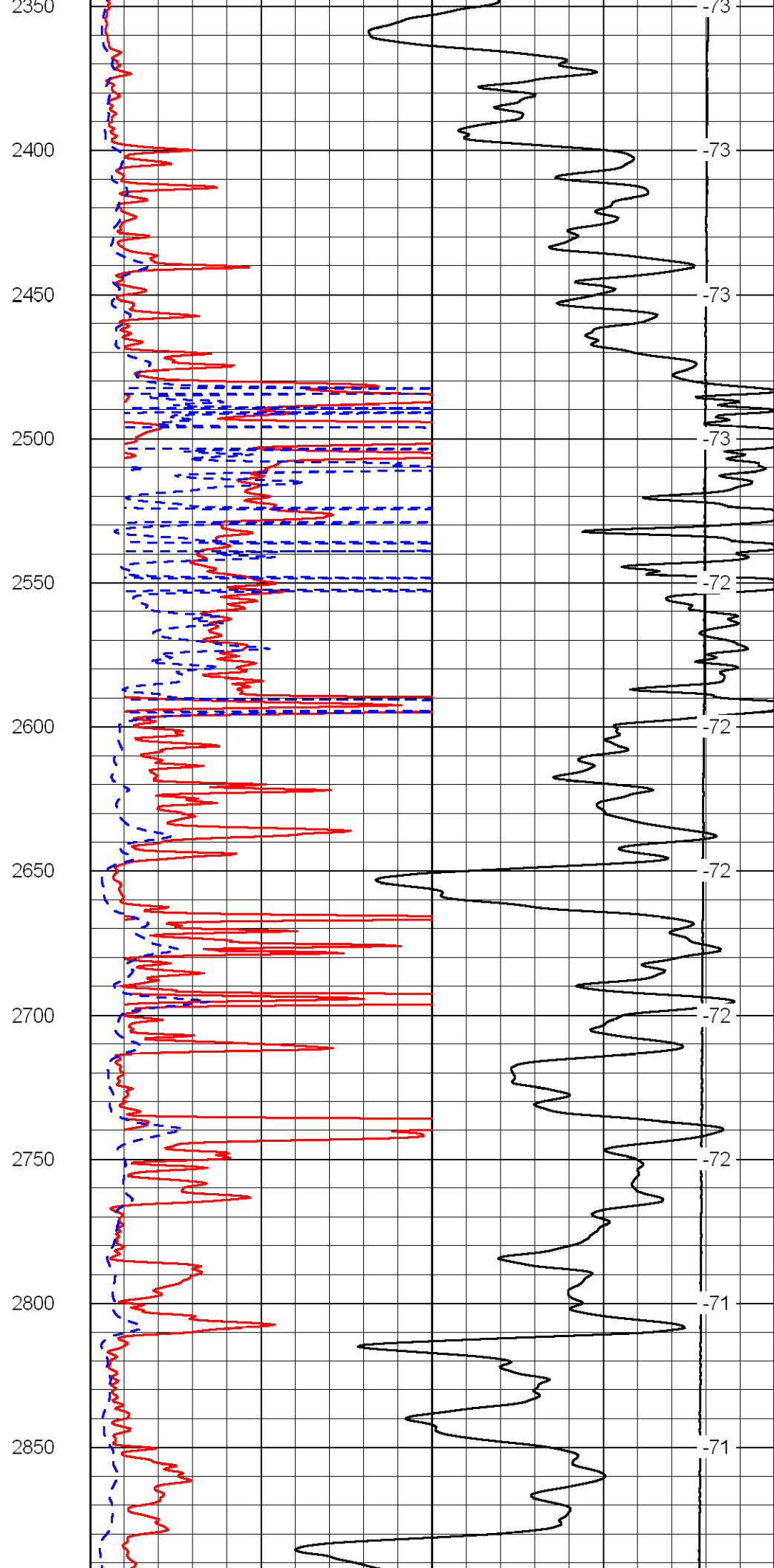
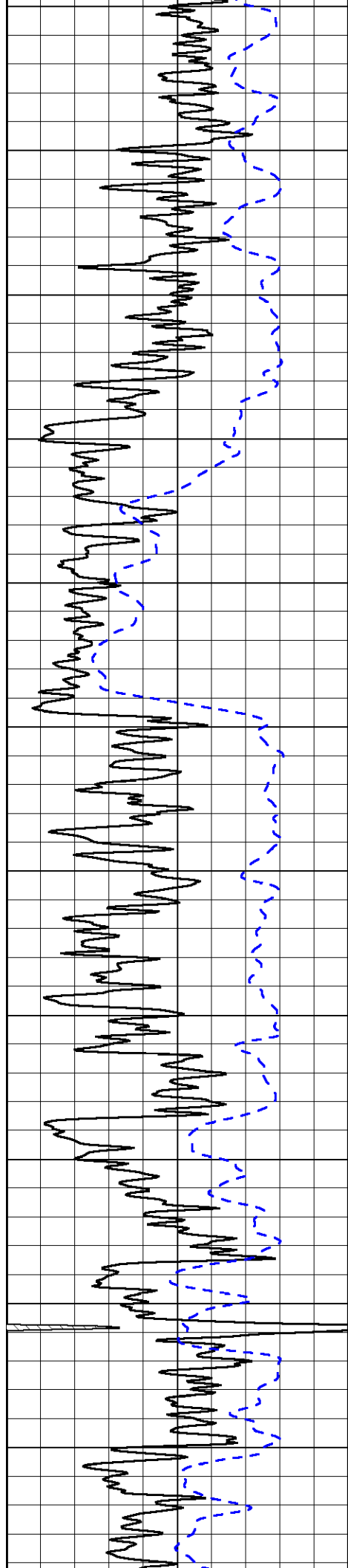
LSPD

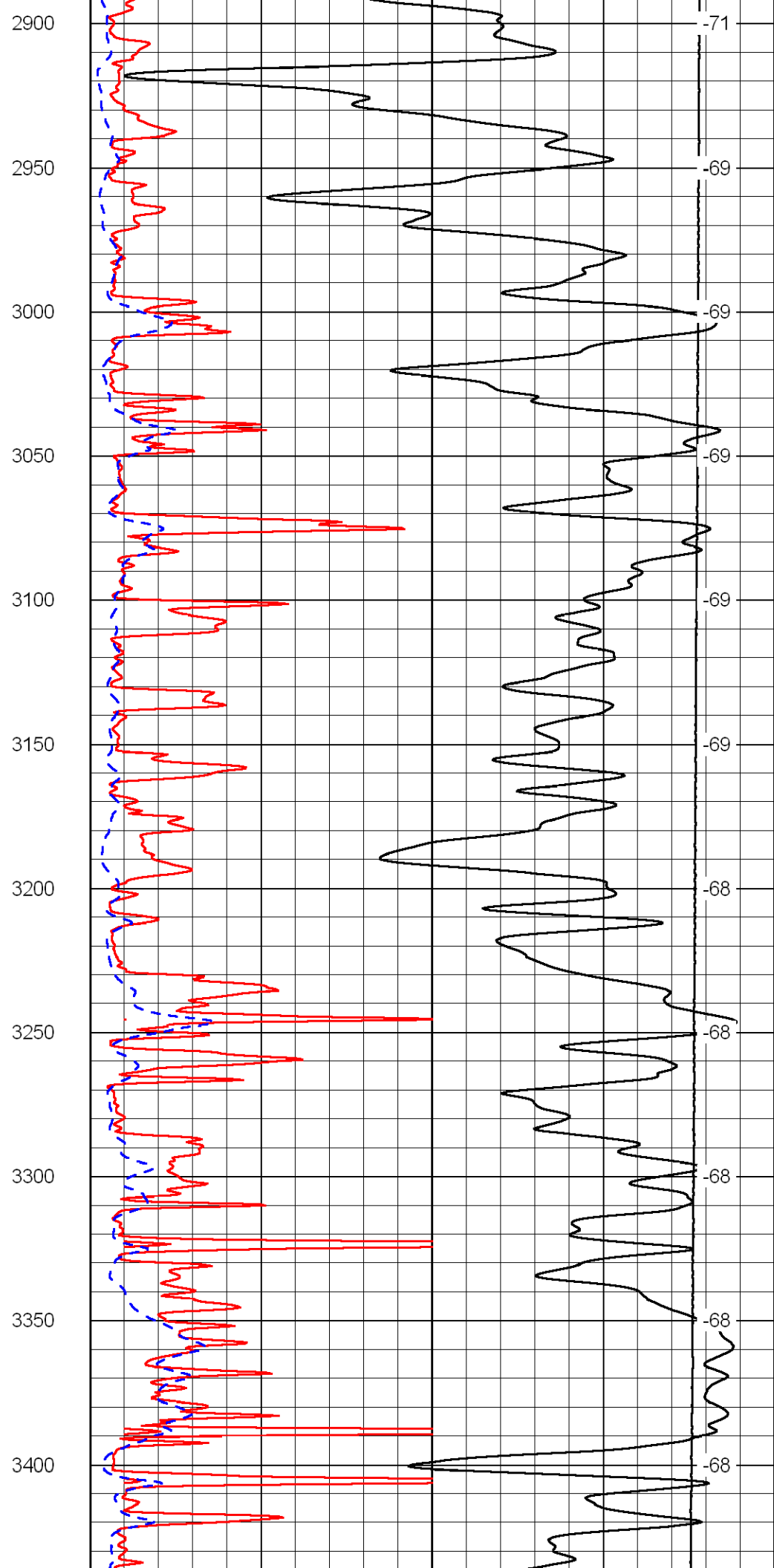
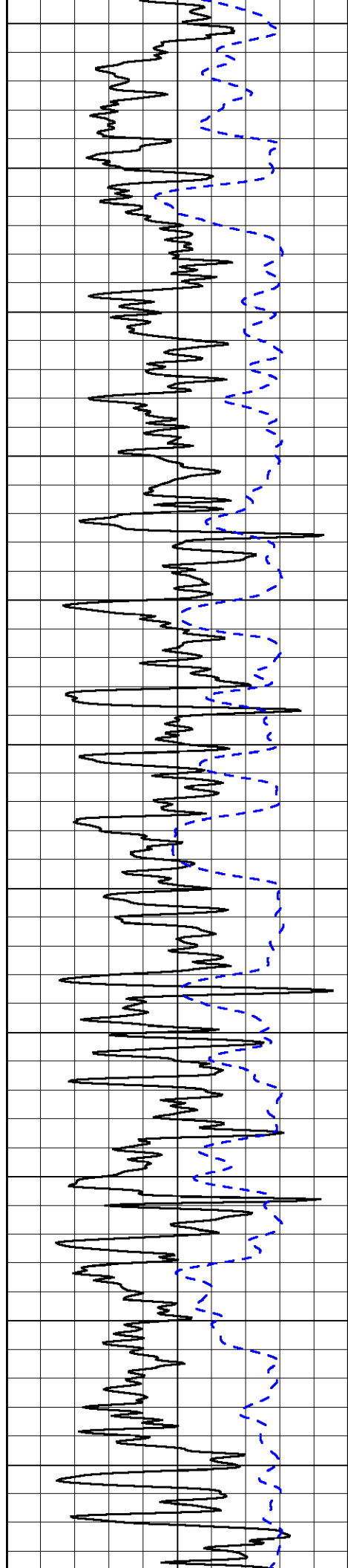


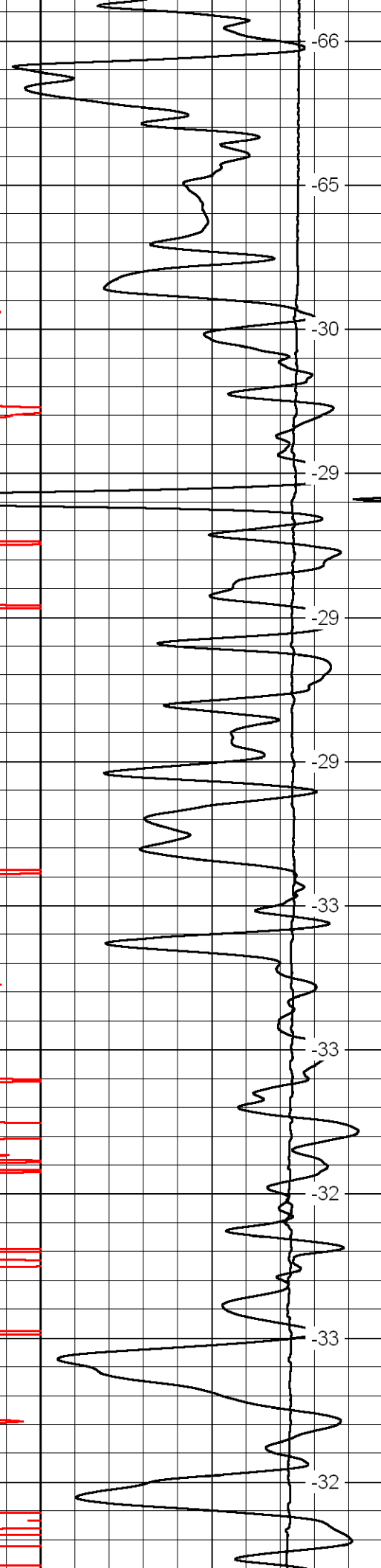
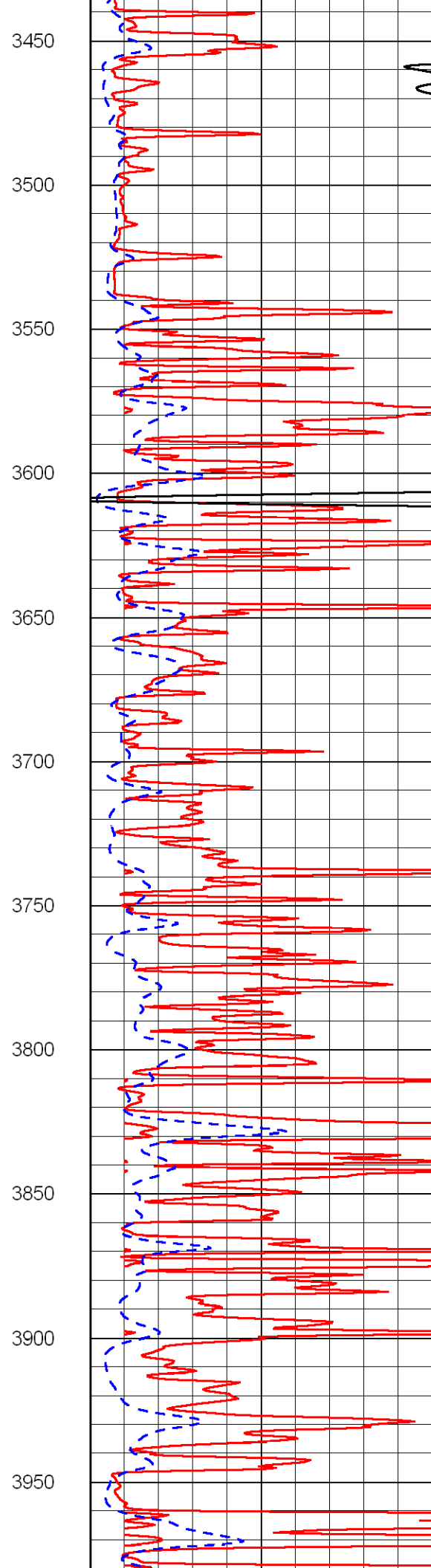
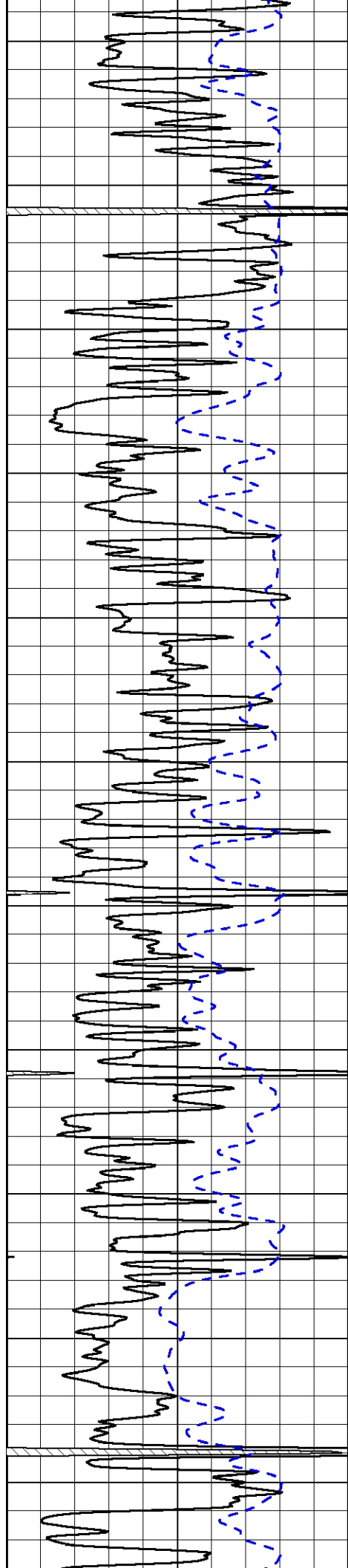


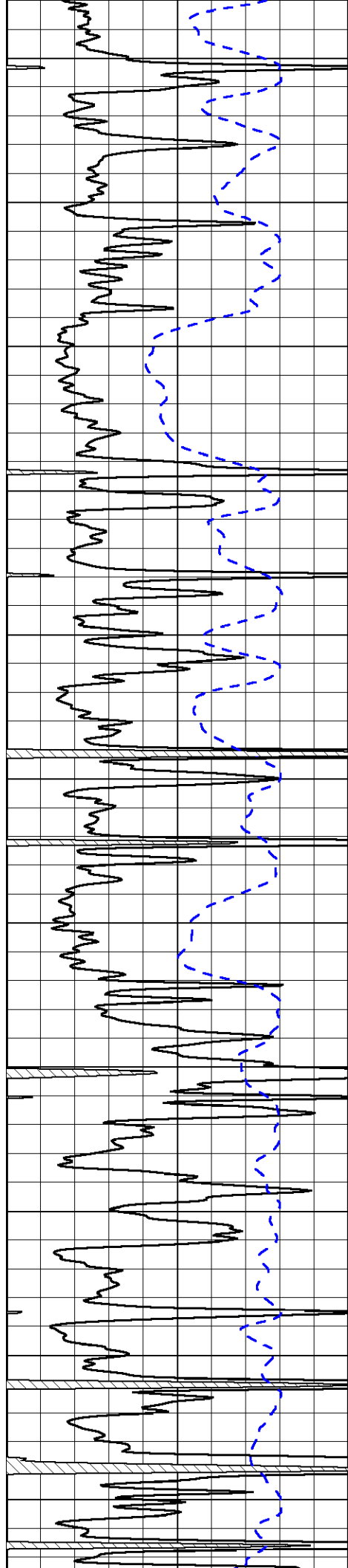












4000

4050

4100

4150

4200

4250

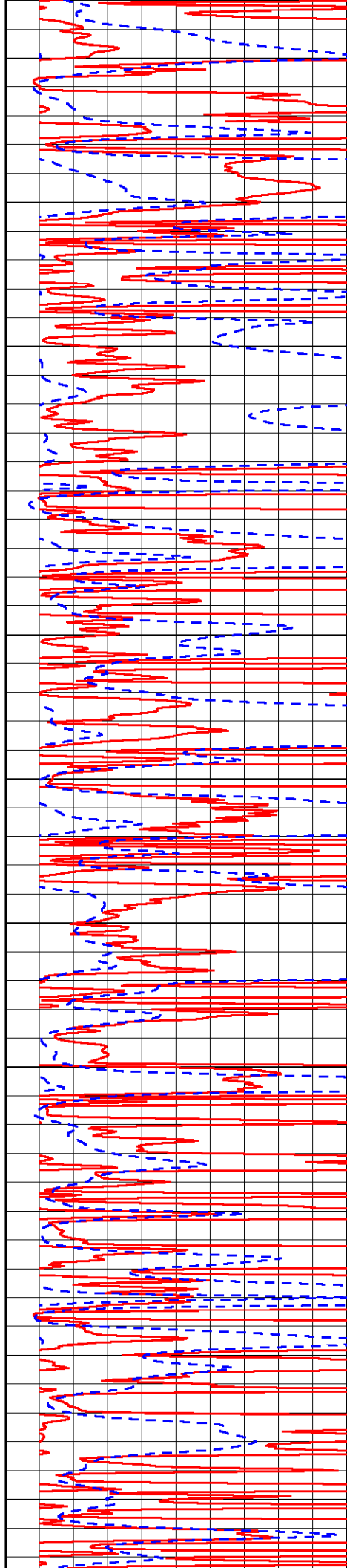
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4350

4400

4450

4500



-32

-31

-31

-31

-31

-30

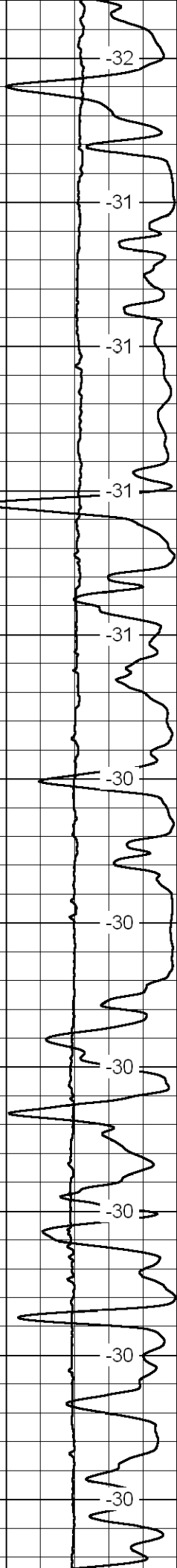
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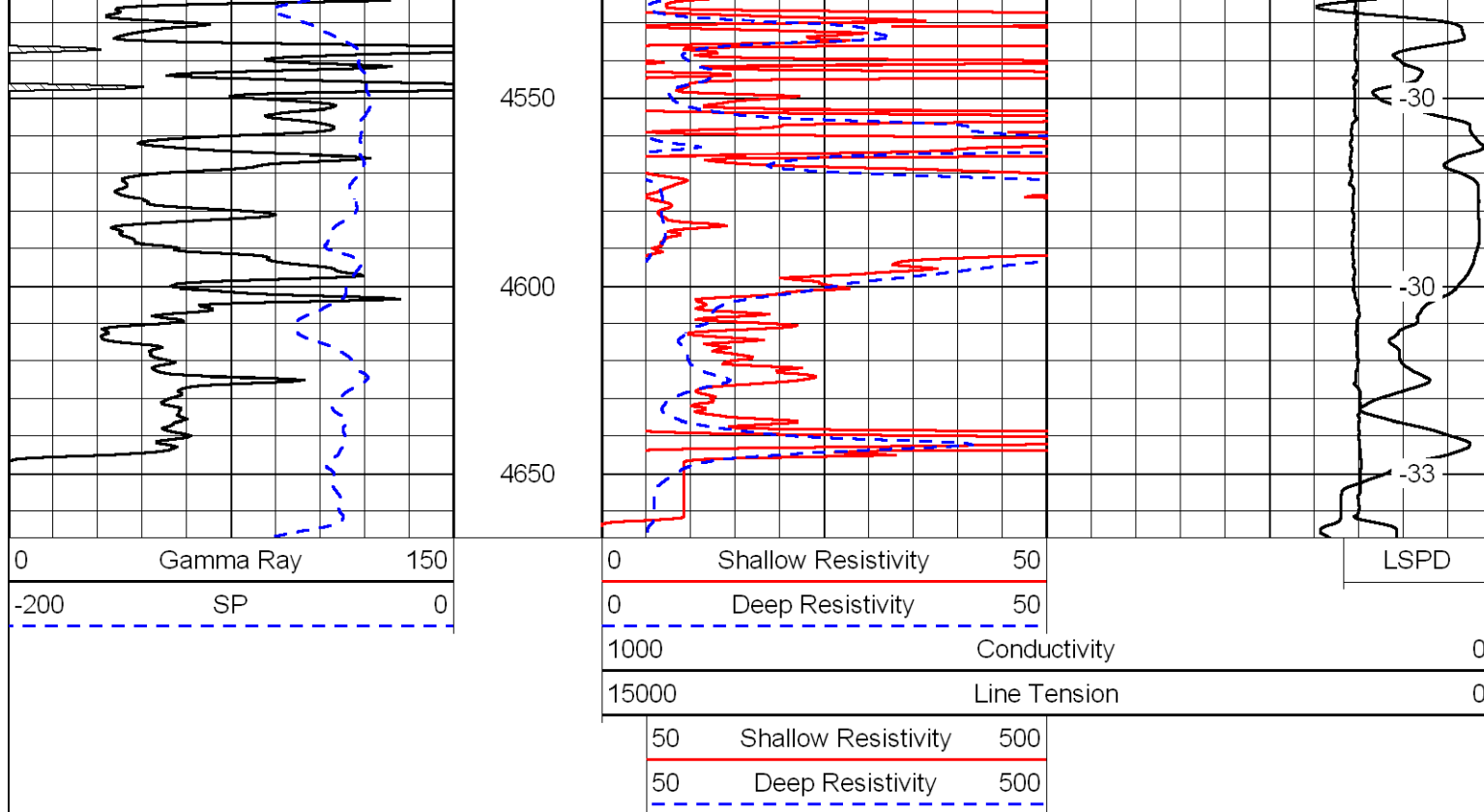
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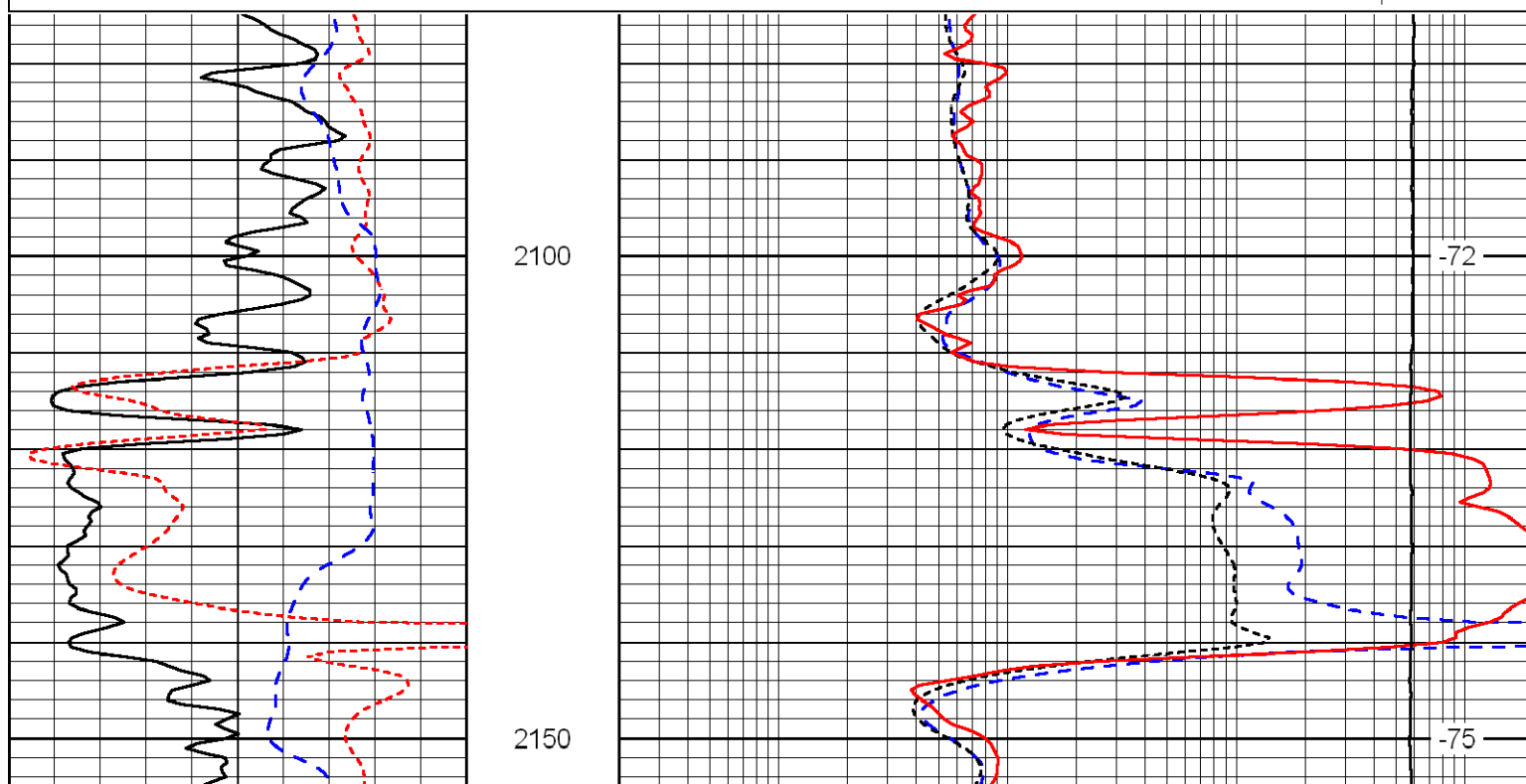
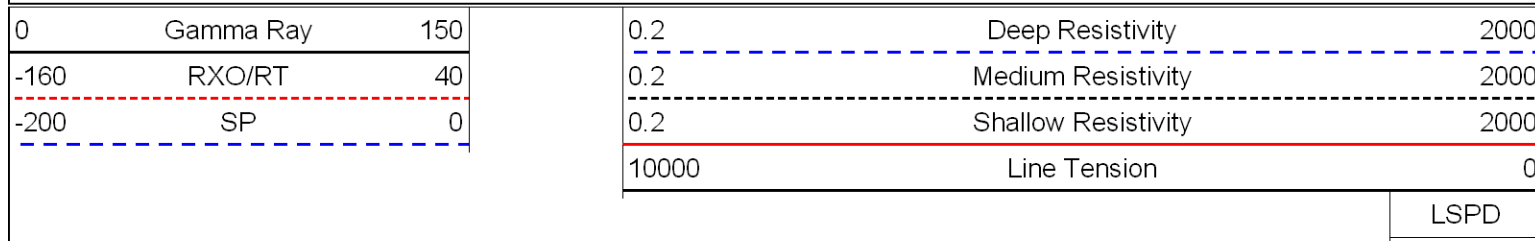
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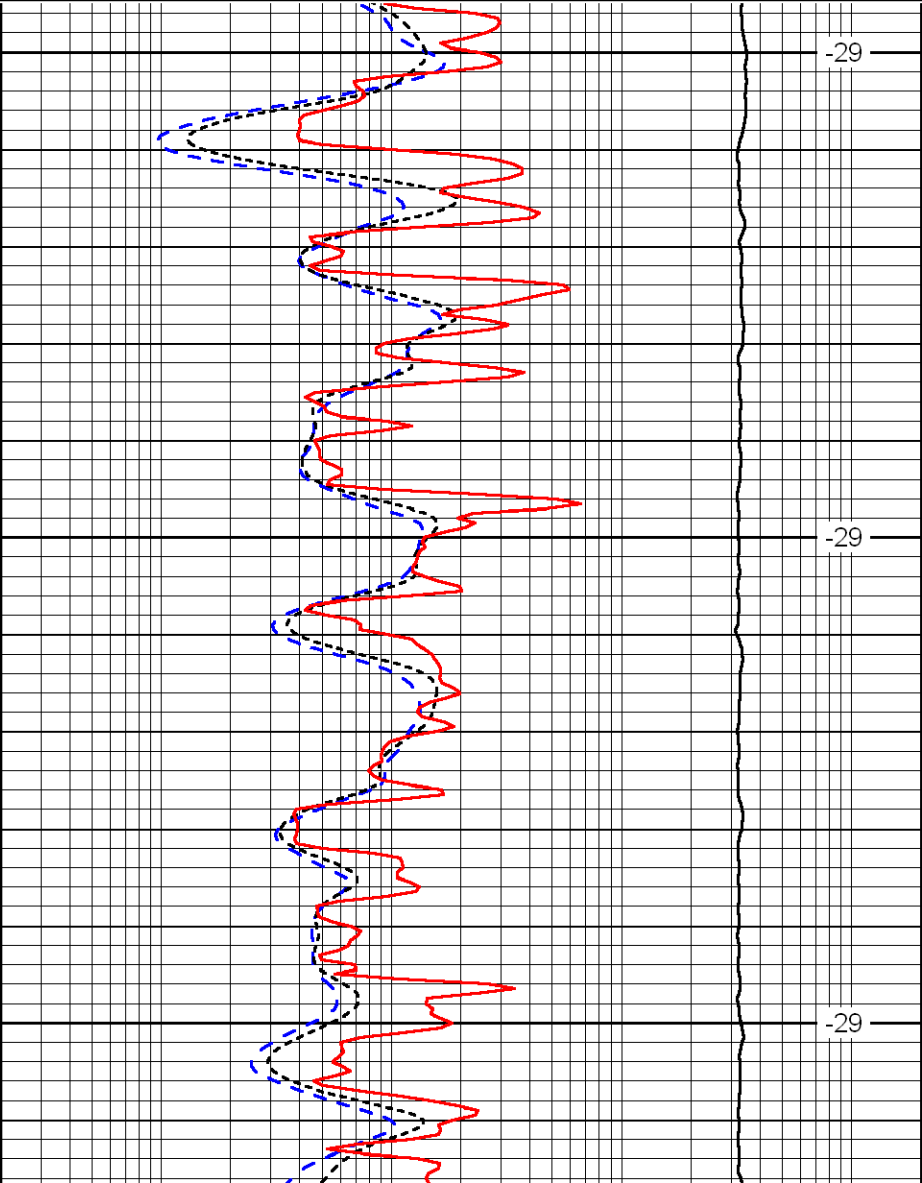
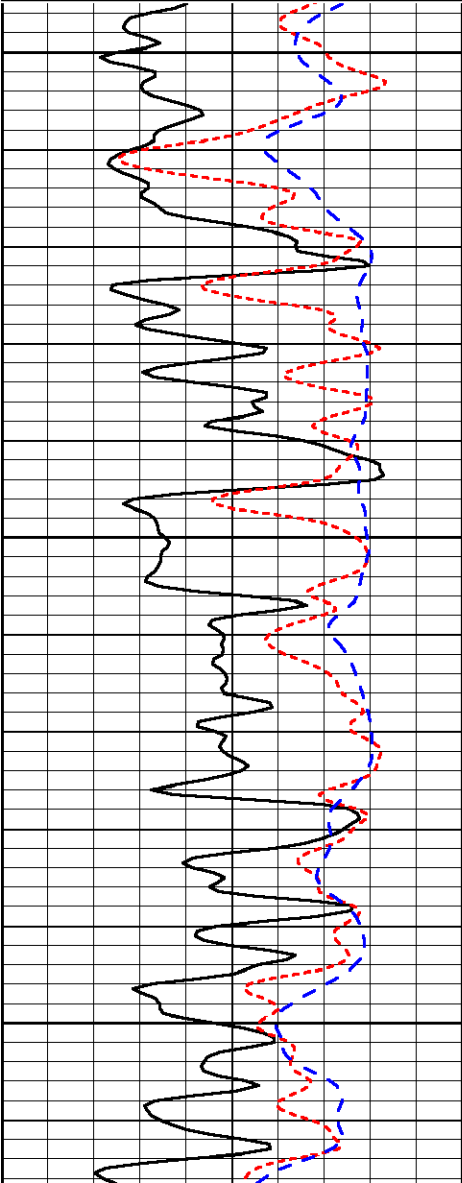
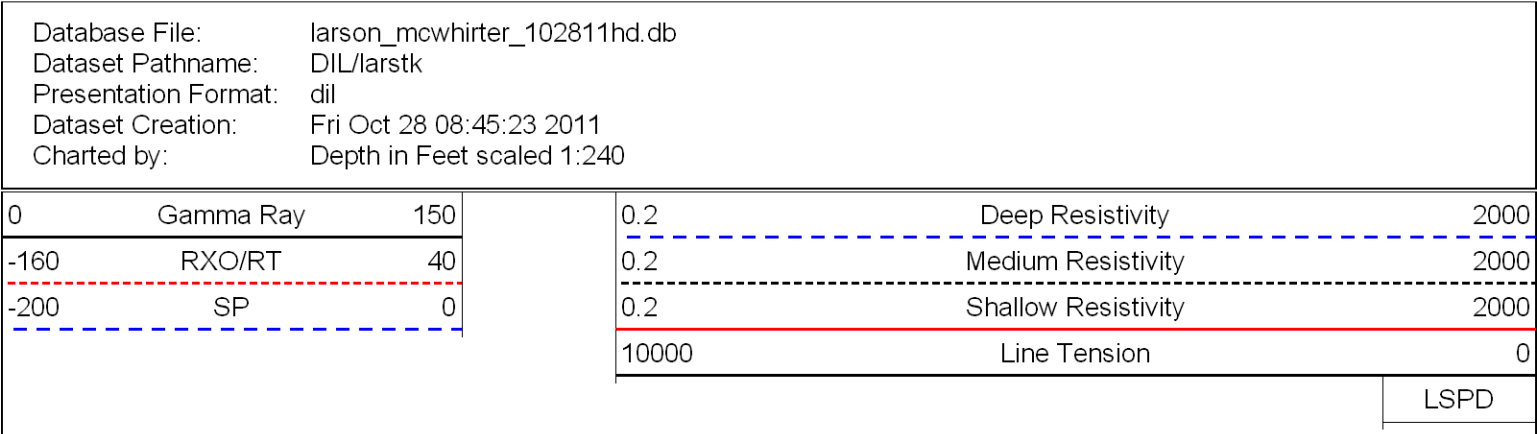
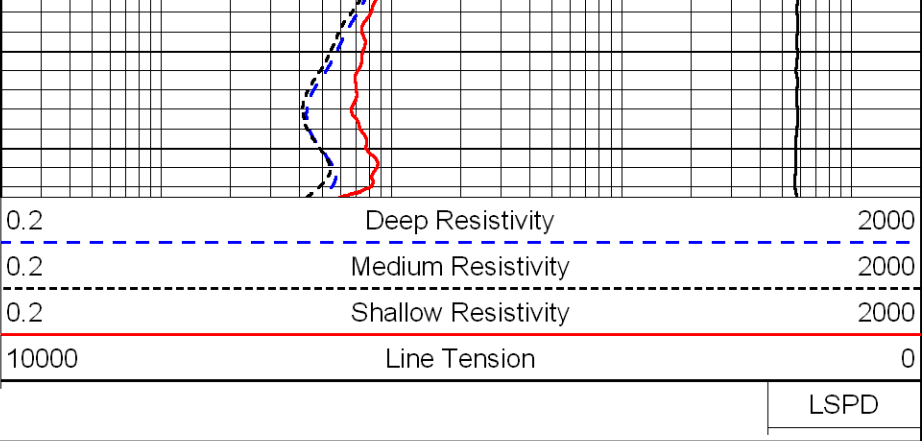
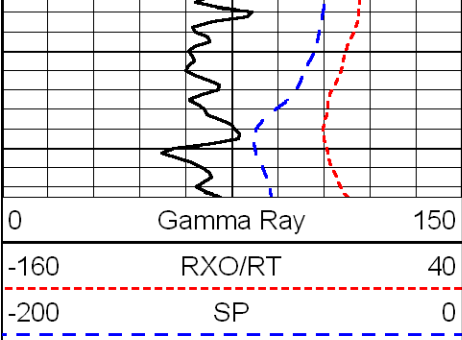
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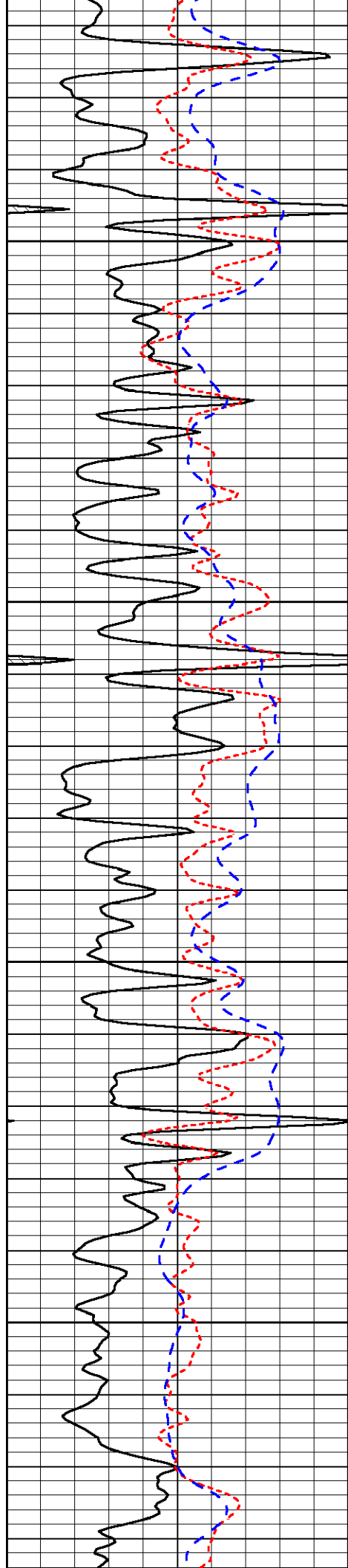




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Presentation Format: dil
Dataset Creation: Fri Oct 28 08:45:23 2011
Charted by: Depth in Feet scaled 1:240





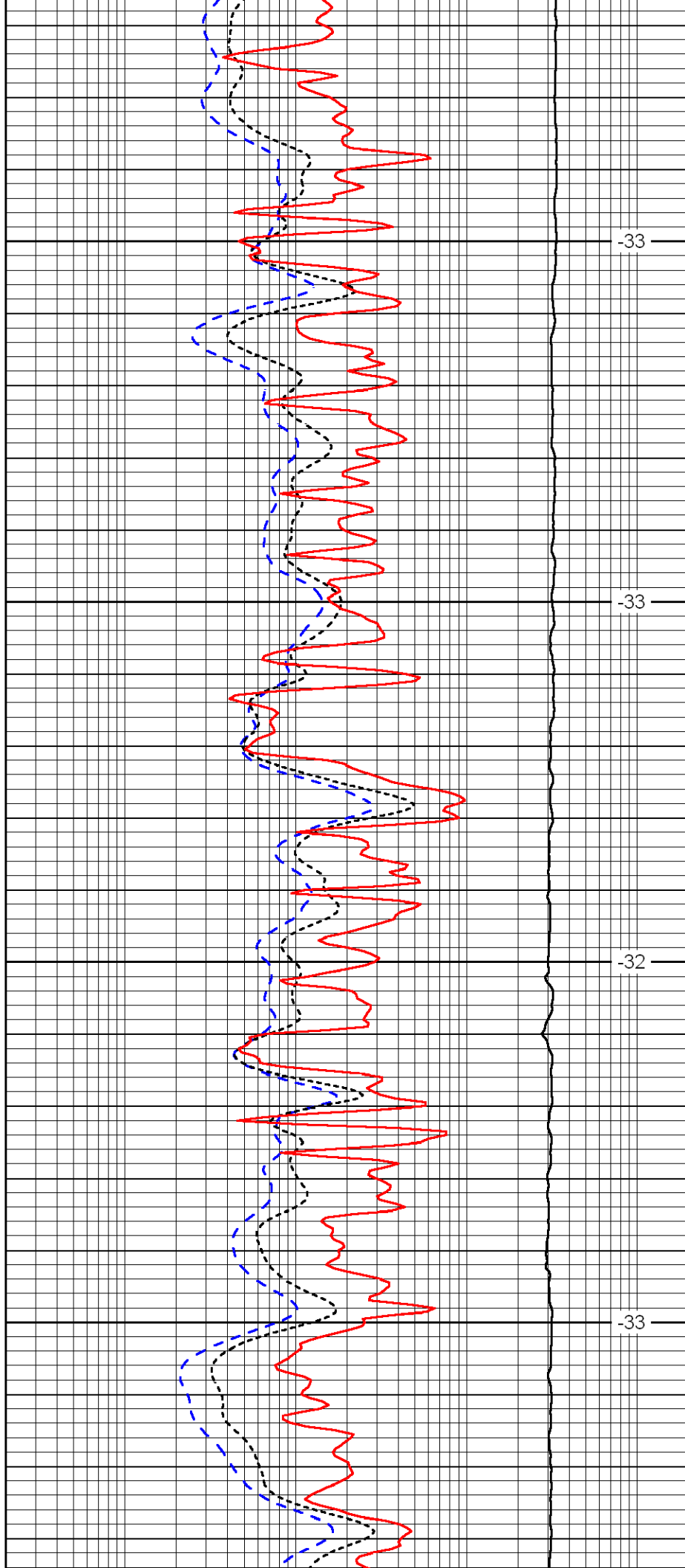


3750

3800

3850

3900

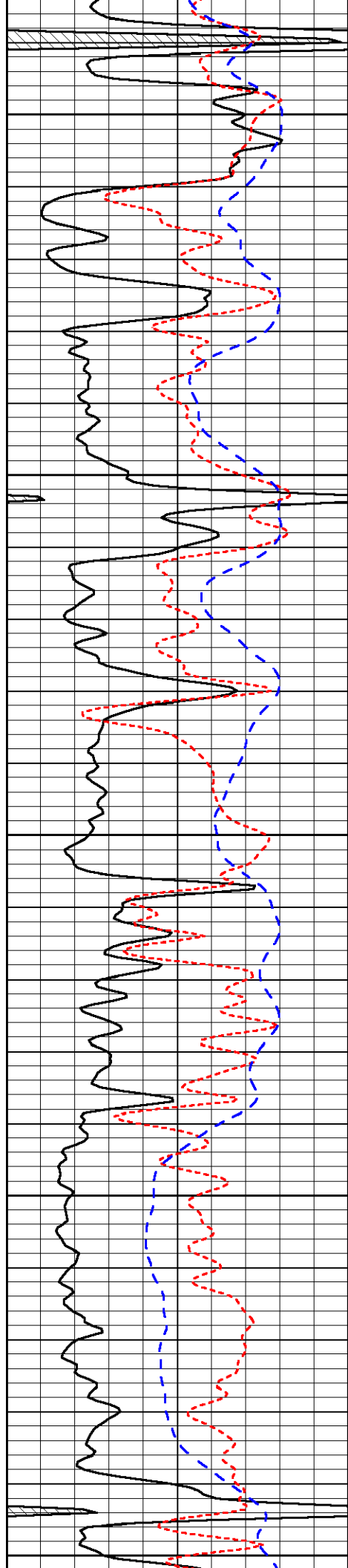


-33

-33

-32

-33



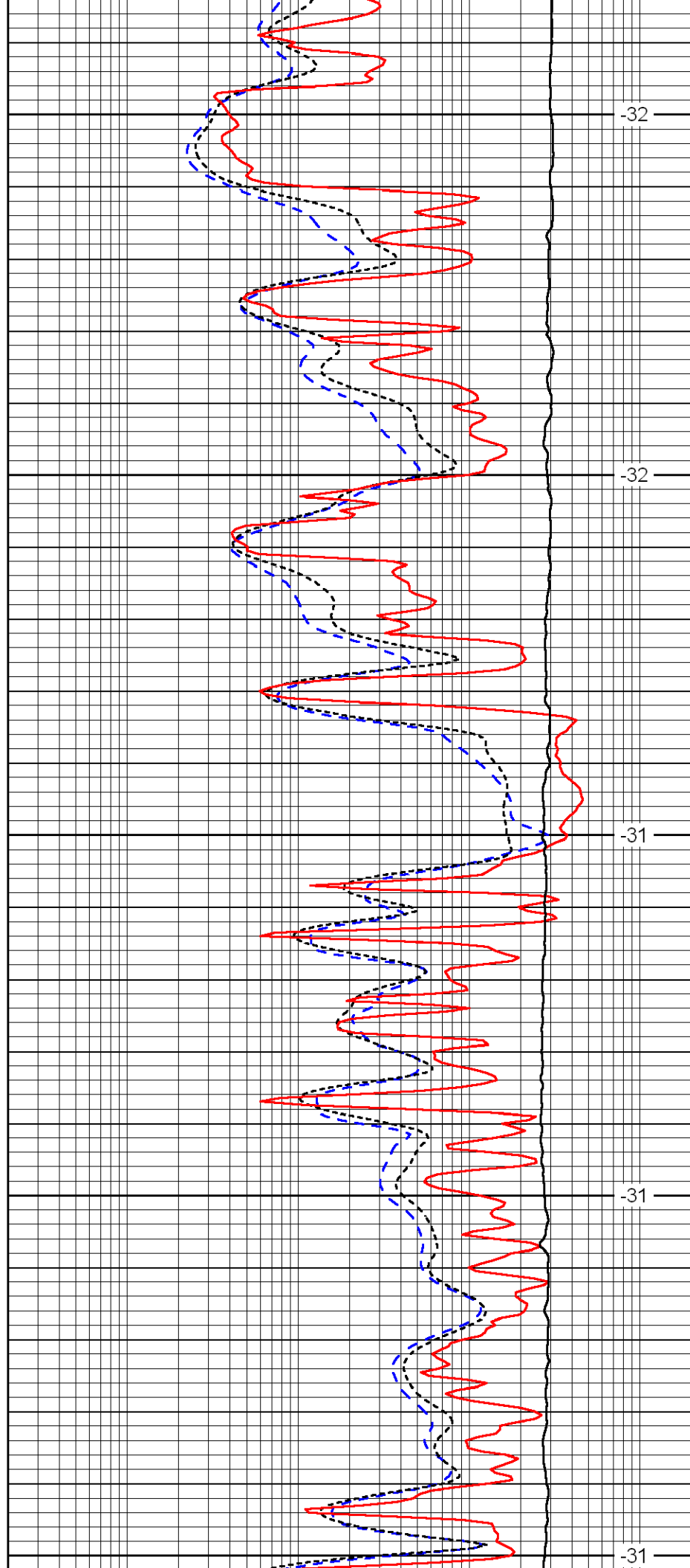
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4000

4050

4100

4150



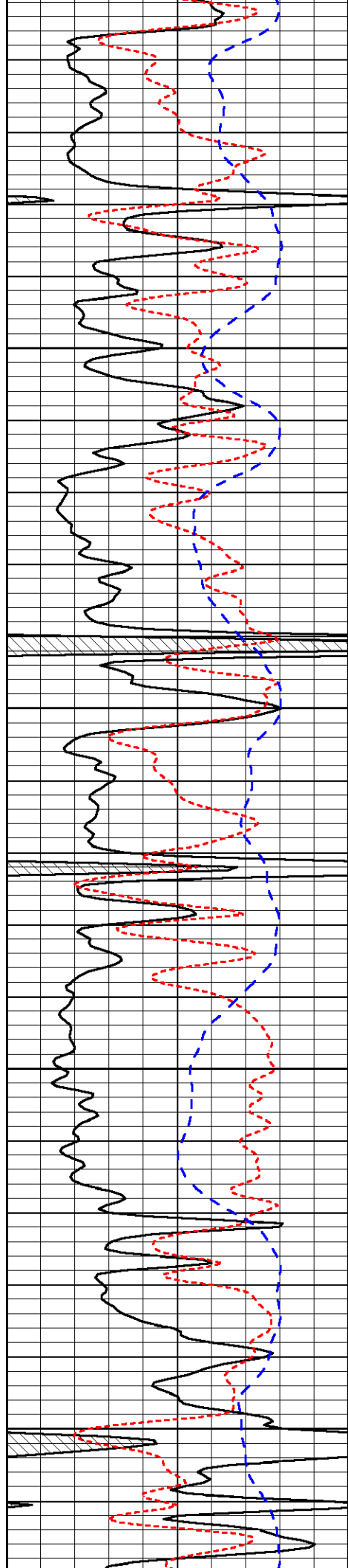
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-32

-31

-31

-31

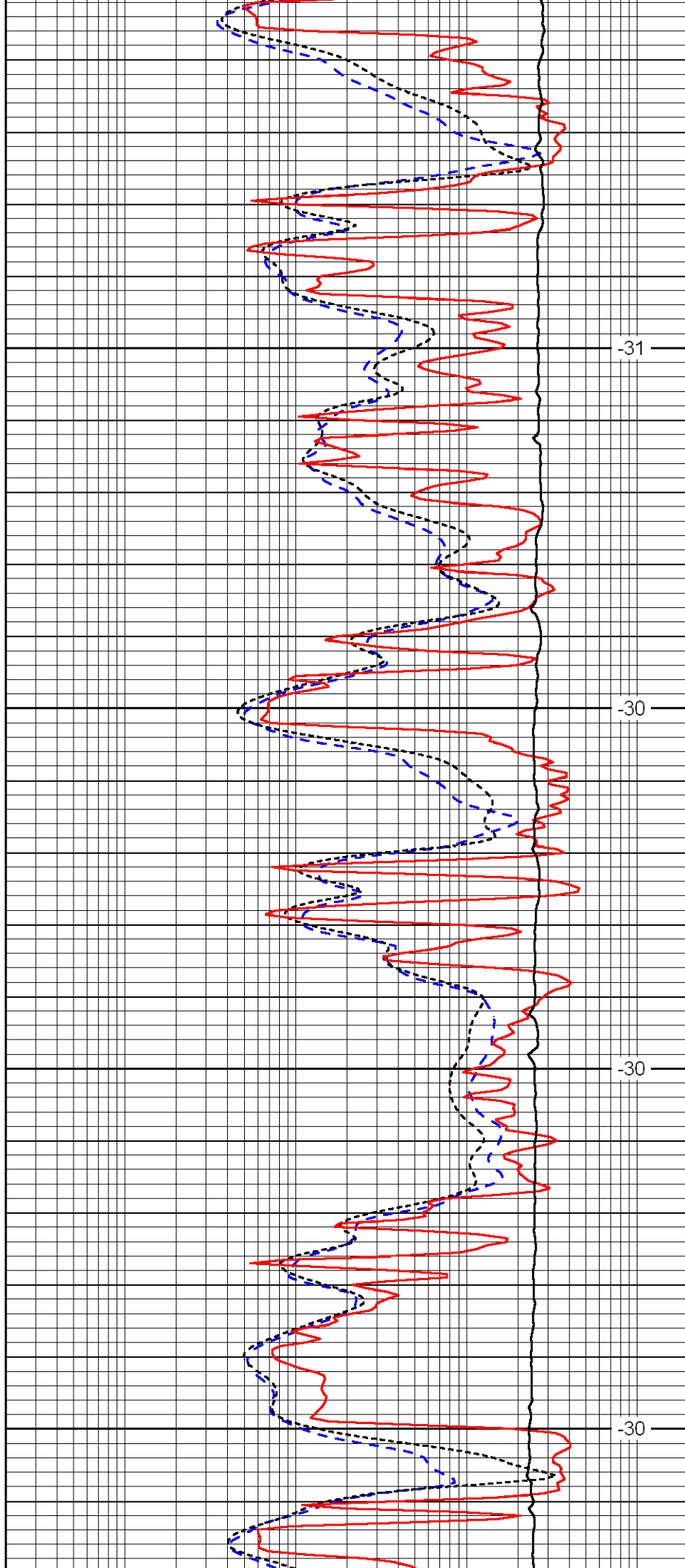


4200

4250

4300

4350

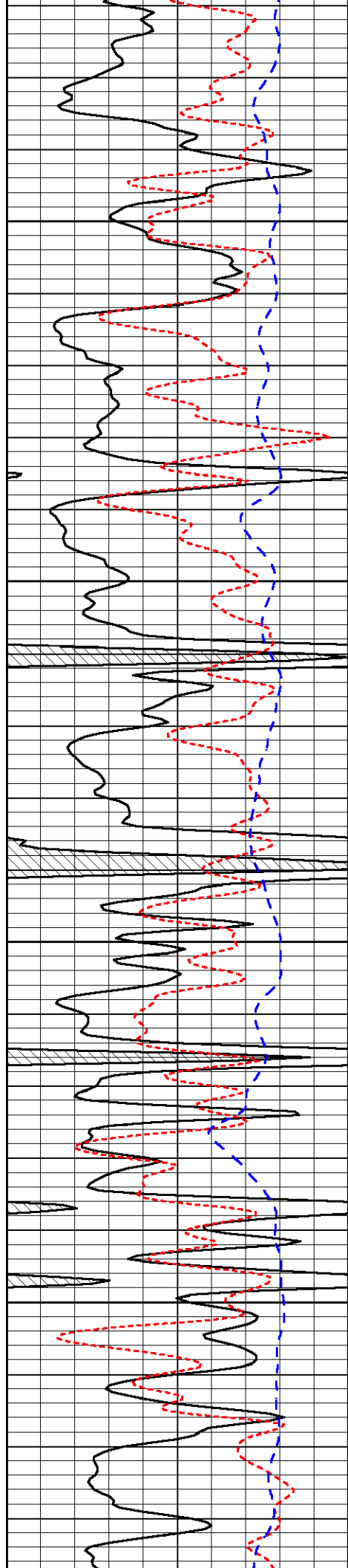


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-30

-30

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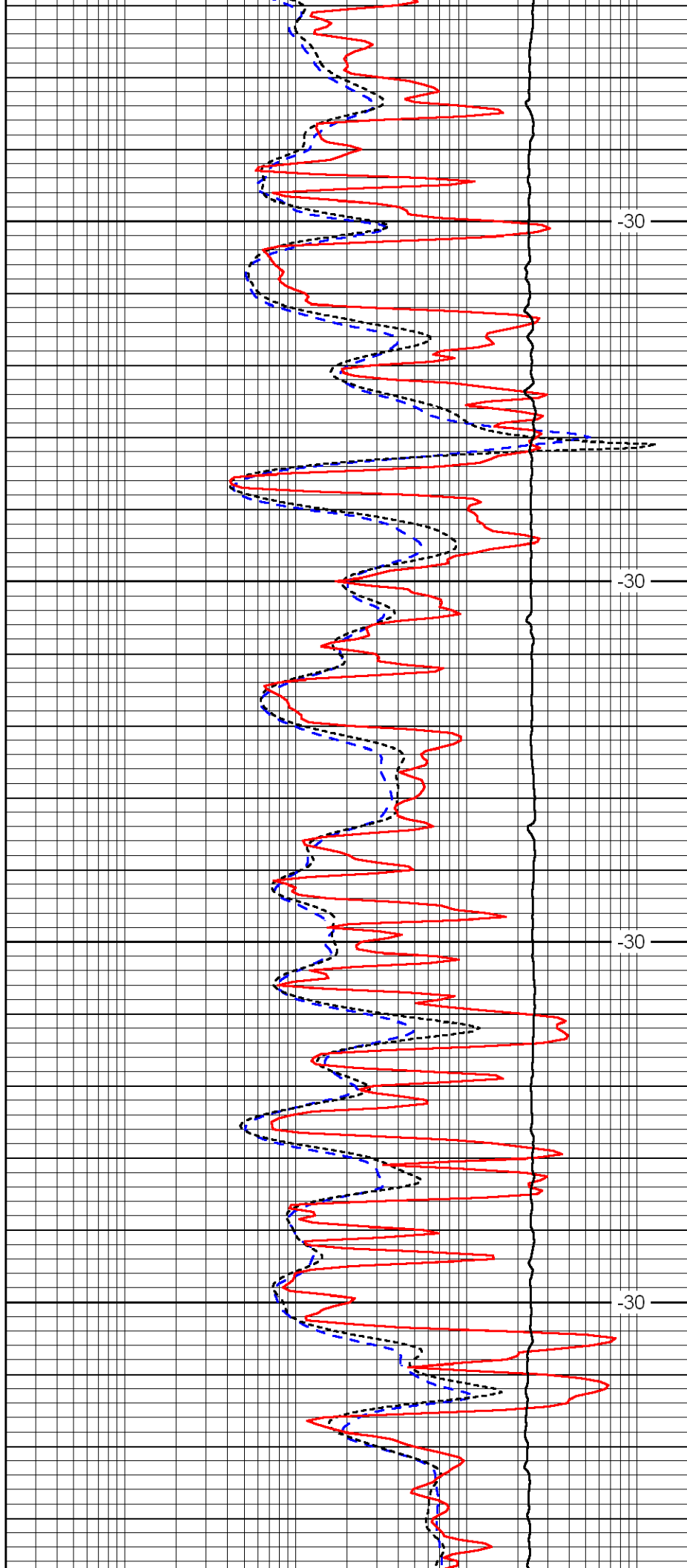


4400

4450

4500

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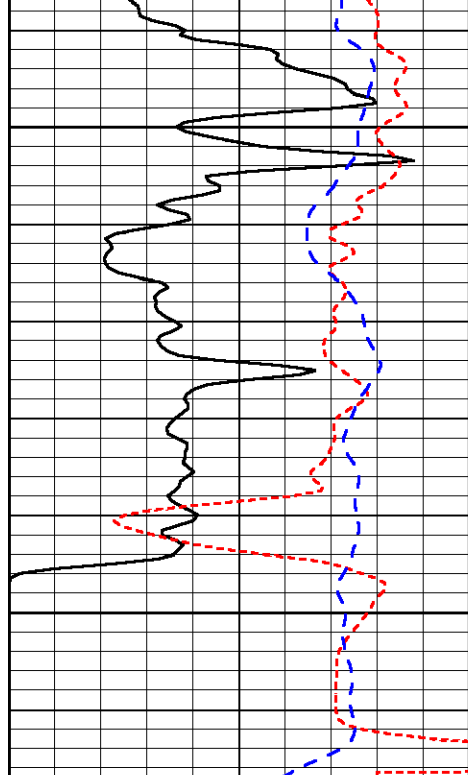


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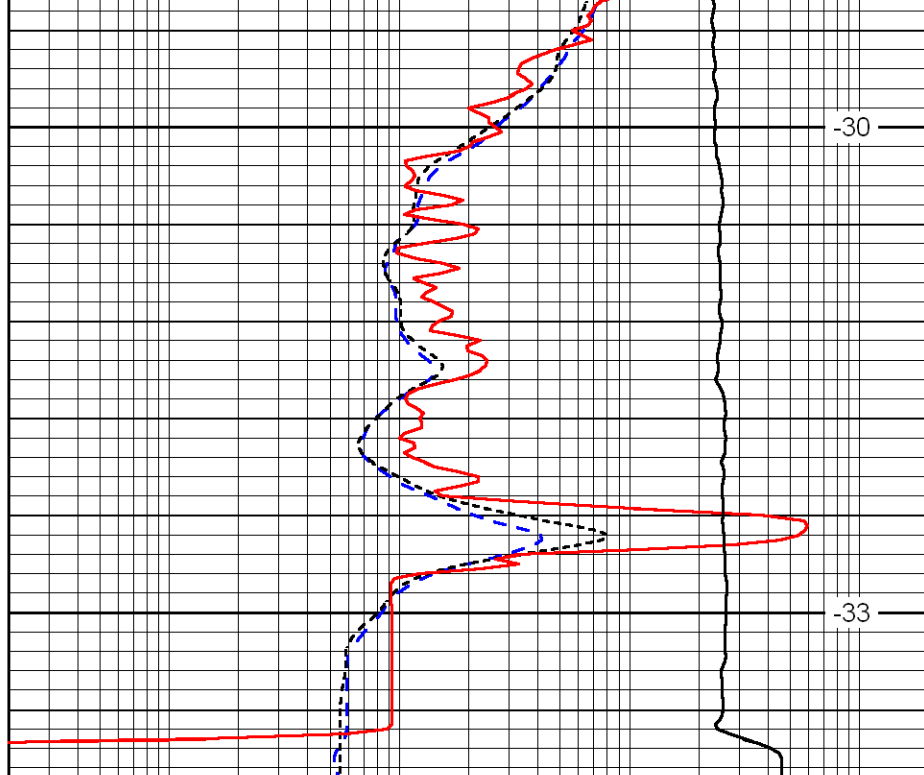
-30



0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

4600

4650



-30

-33

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD