



DIGITAL LOG (785) 625-3858

Dual Induction Log

API No. 15-145-21,634-00-00

Company: Downing-Nelson Oil Company, Inc.
 Well: Showalter-Vandenburg Unit #1-17
 Field: Browns Grove
 County: Pawnee State Kansas

Location: NW SW SW NW
 2190' FNL & 155' FWL

Other Services: CNL/CDL

Permanent Datum Ground Level Elevation 2220
 Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
 Drilling Measured From Kelly Bushing

Sec: 17 Twp: 20S Rge: 20W

Elevation: K.B. 2228
 D.F. 2220
 G.L. 2220

Date	6/22/2011
Run Number	One
Depth Driller	4365
Depth Logger	4365
Bottom Logged Interval	4364
Top Log Interval	450
Casing Driller	8.625 @ 474
Casing Logger	473
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	8,000
Density / Viscosity	9.4 64
pH / Fluid Loss	9.0 11.2
Source of Sample	Flowline
Rm @ Meas. Temp	.6 @ 71
Rmf @ Meas. Temp	.45 @ 71
Rmc @ Meas. Temp	.81 @ 71
Source of Rmf / Rmc	Charts
Rm @ BHT	.35 @ 122
Operating Rig Time	4 Hours
Max Rec. Temp. F	122
Equipment Number	17
Location	Hays
Recorded By	C. Desaire
Witnessed By	Marc Downing

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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 Log-Tech, Inc.
 (785) 625-3858

Alexander KS,
 S to (X ROAD),
 1 W, 1/2 S, E Into

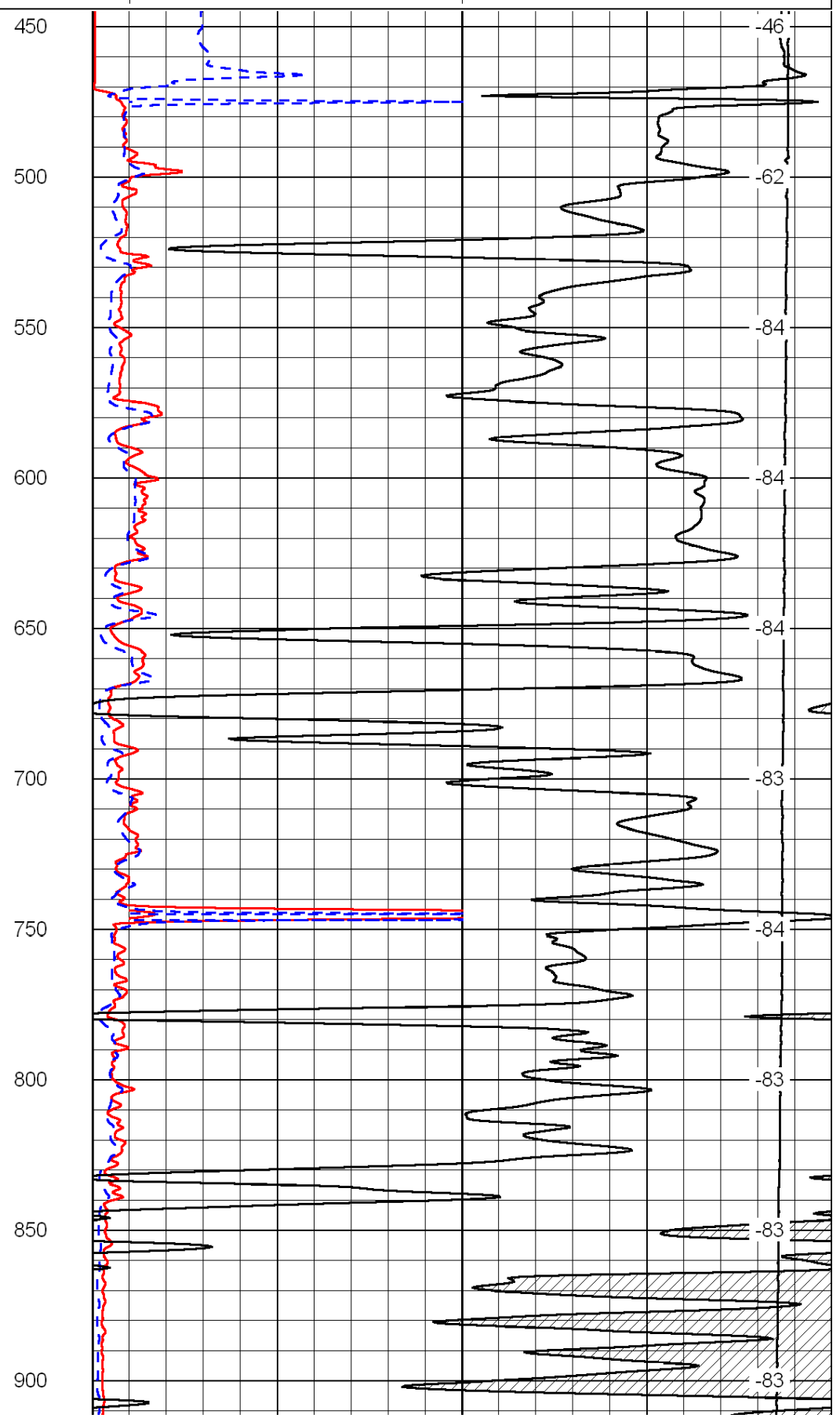
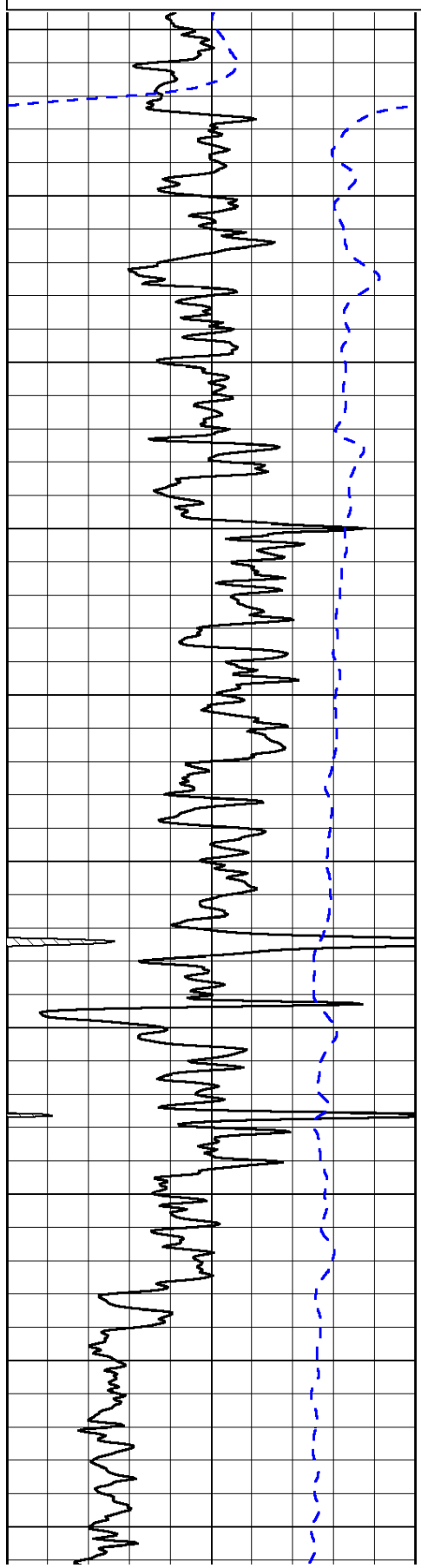
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-200	SP (mV)	0

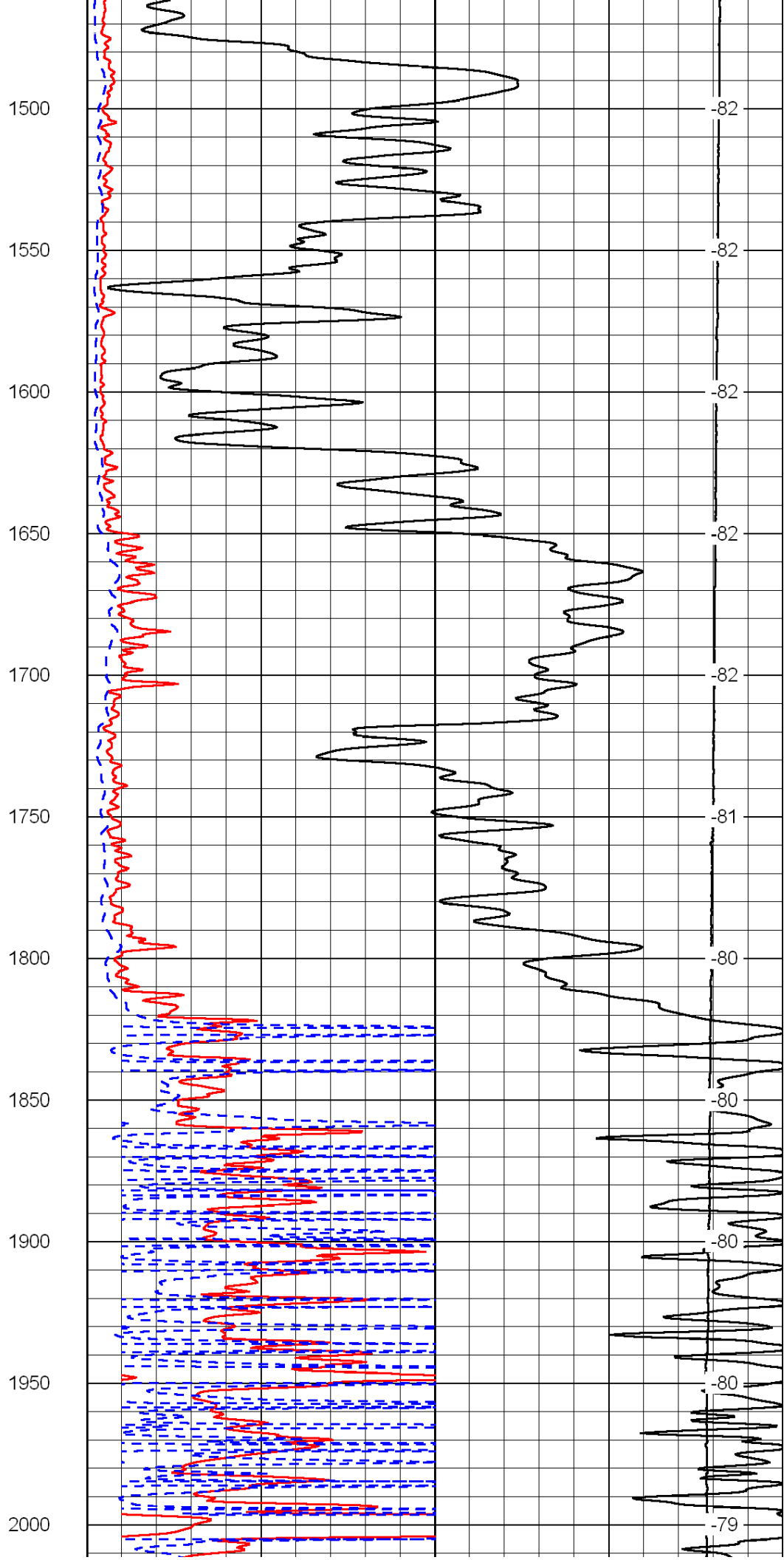
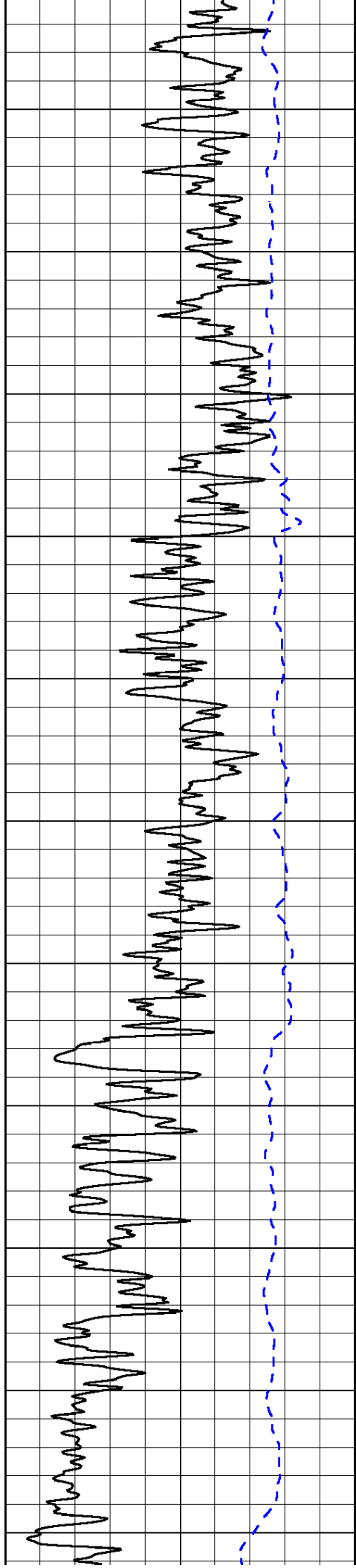
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0	Deep Resistivity	50

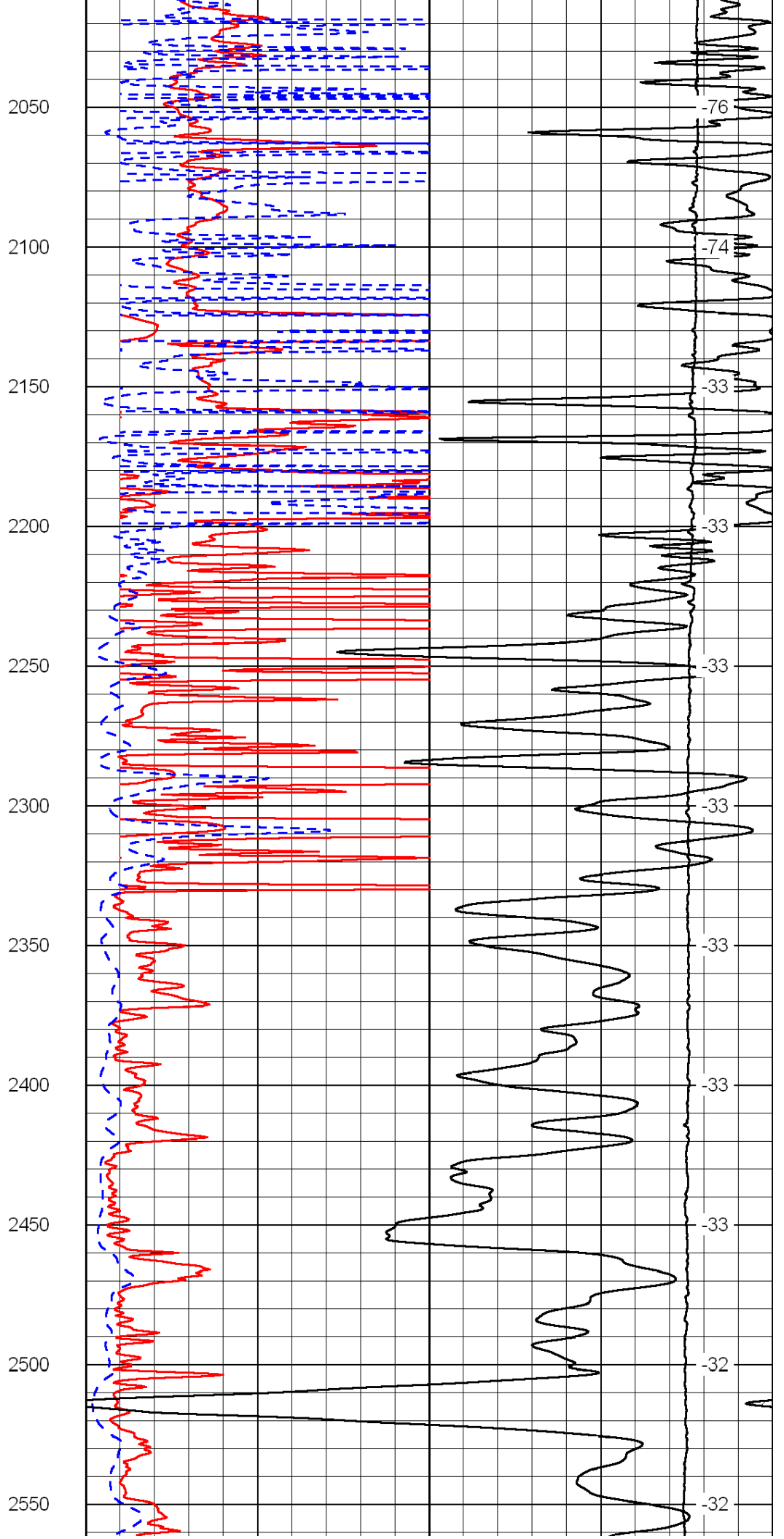
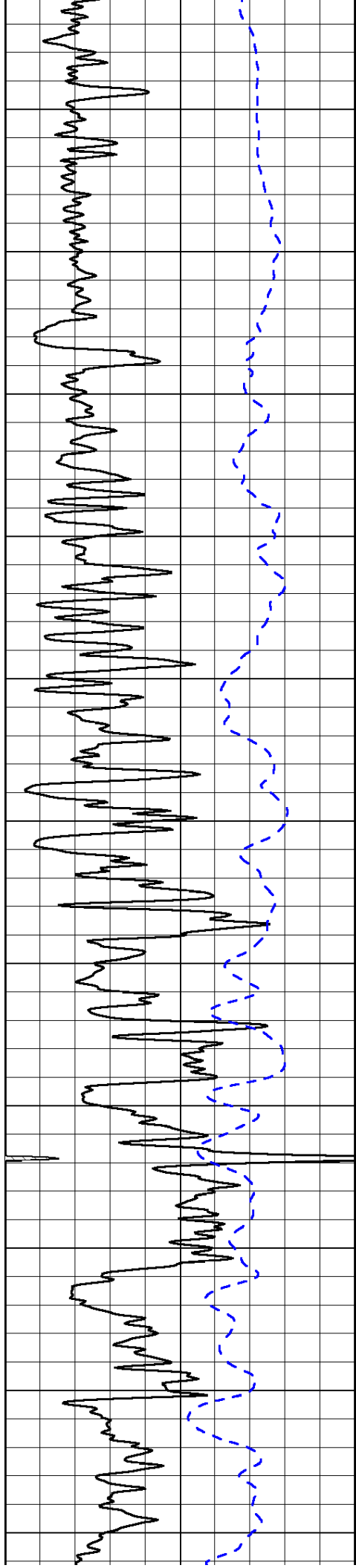
LSPD

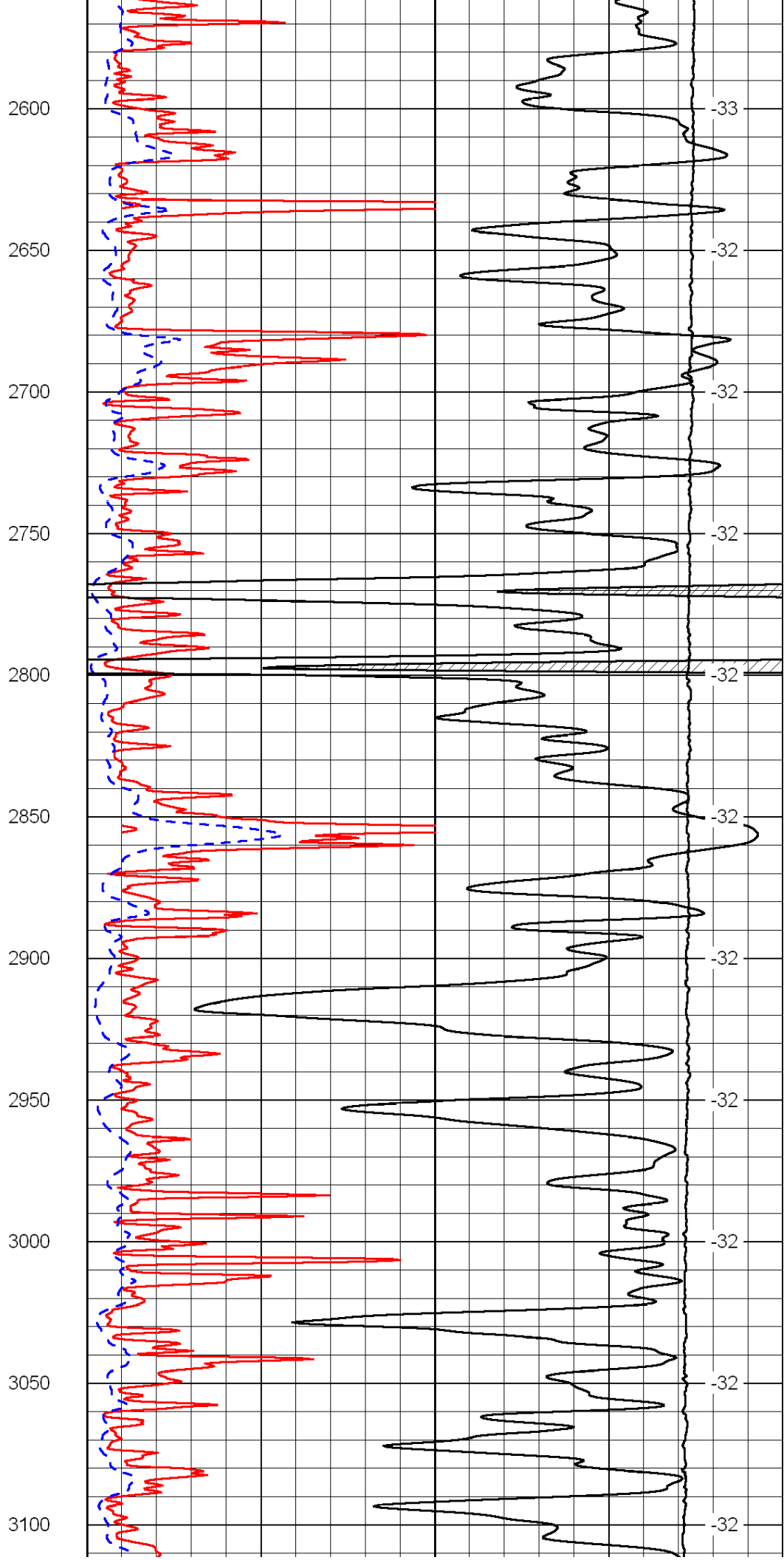
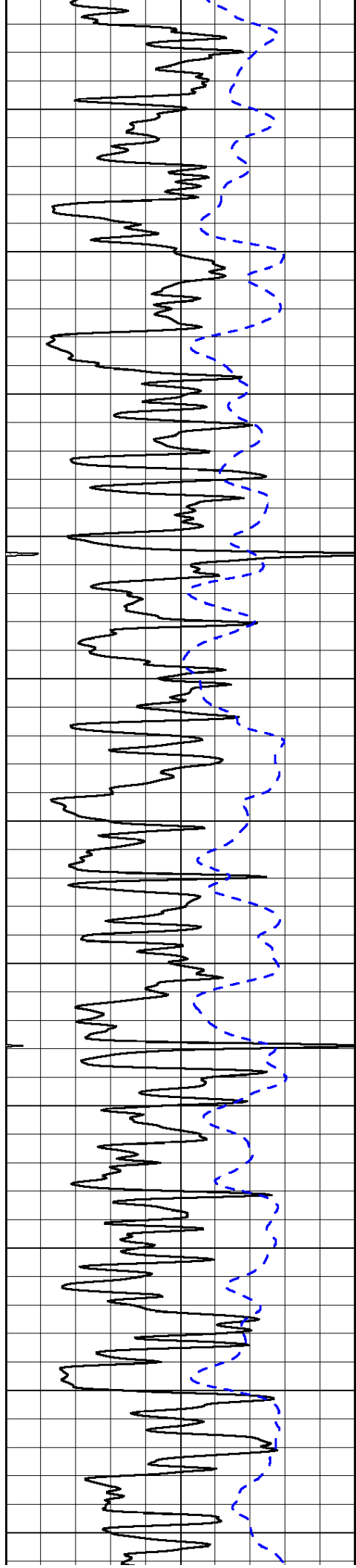
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15000	Line Tension	0

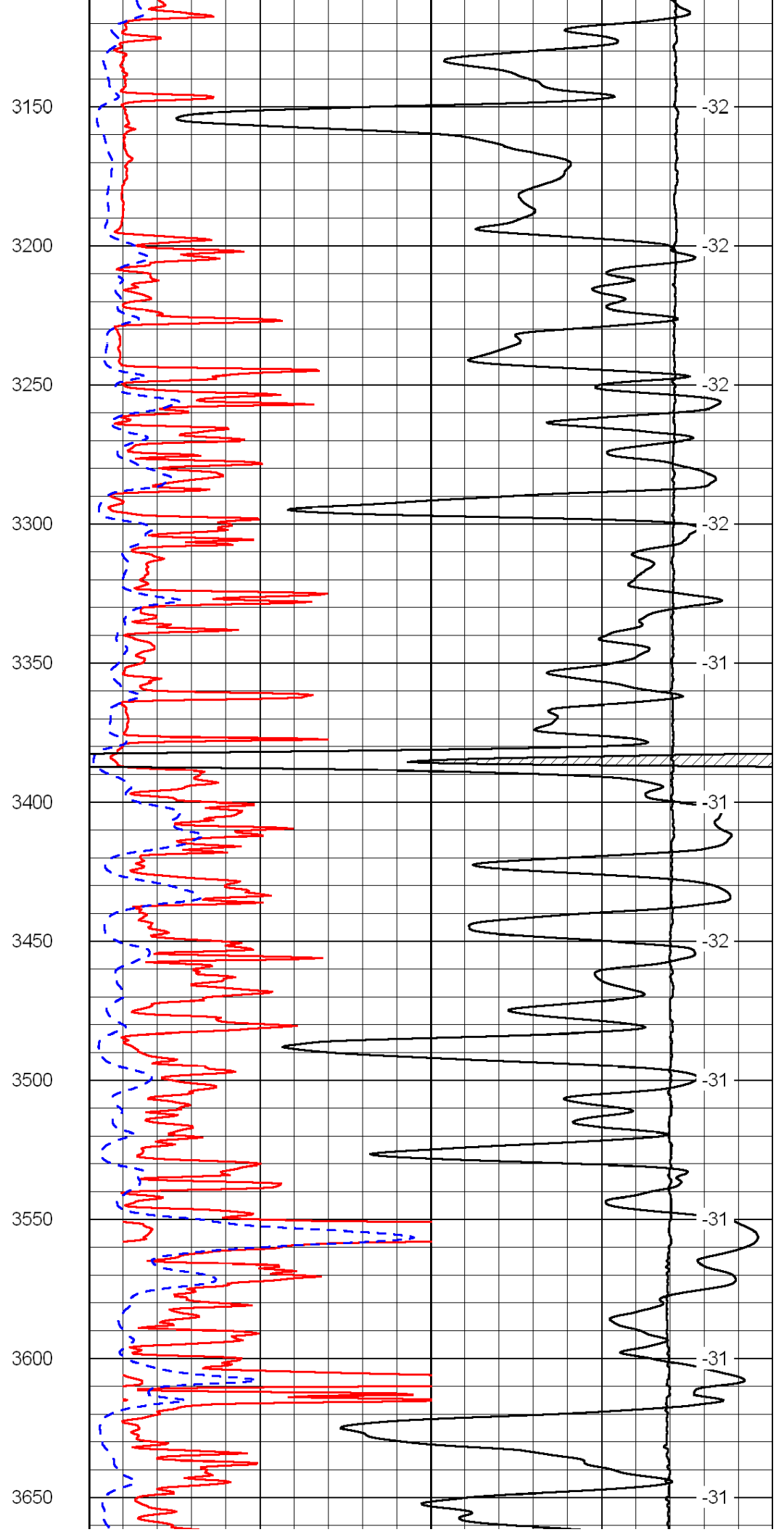
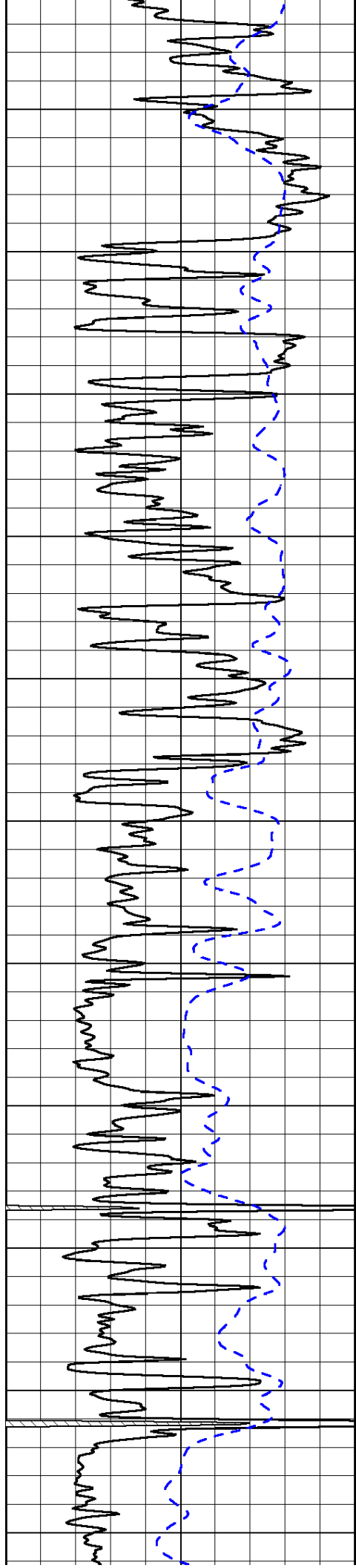
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50	Deep Resistivity	500

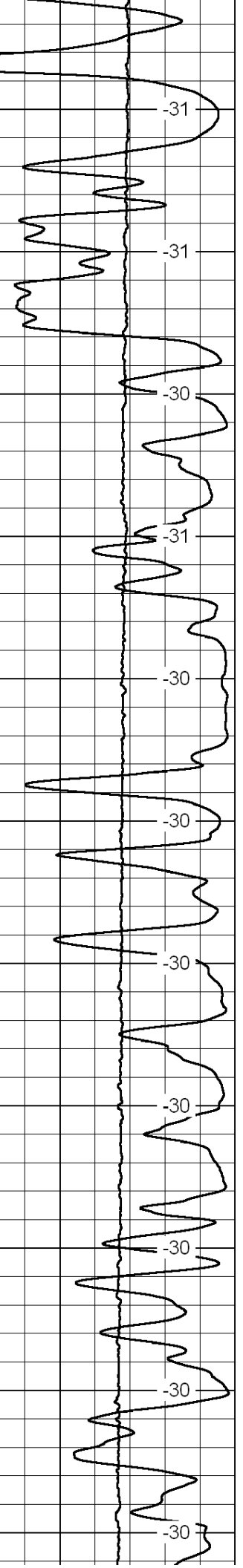
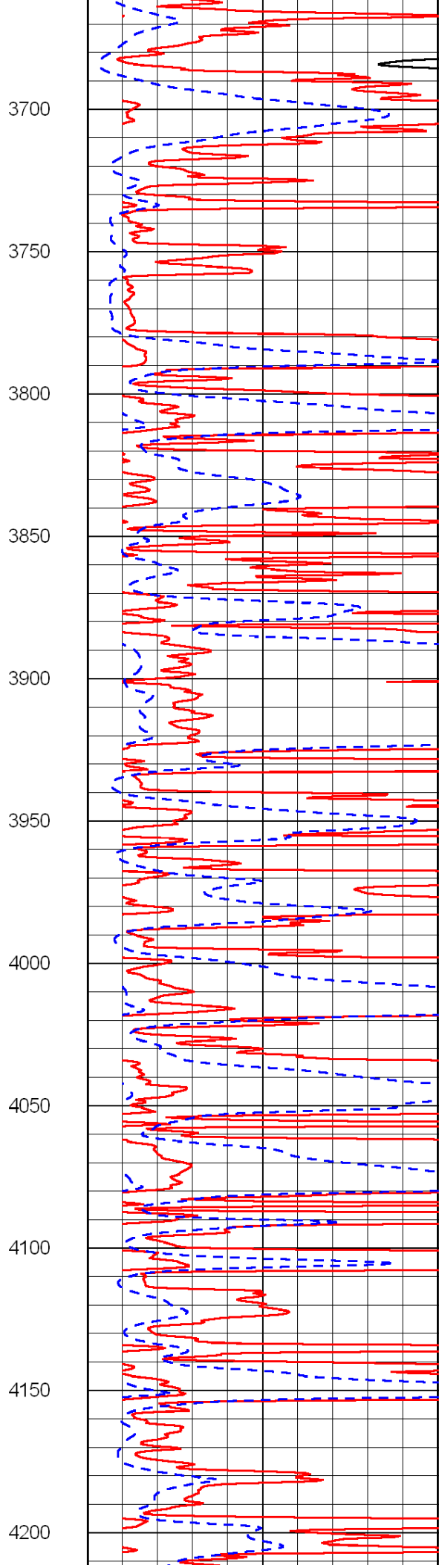
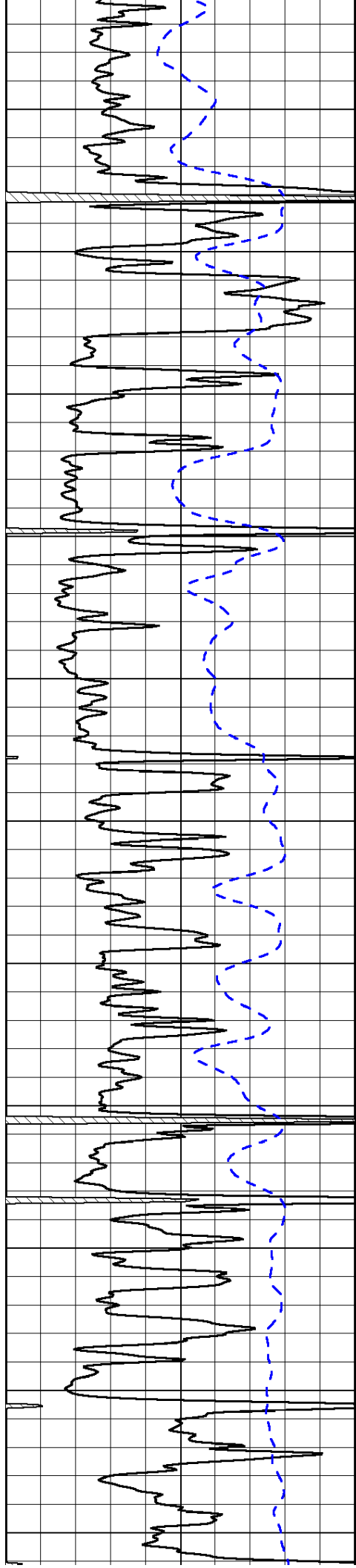


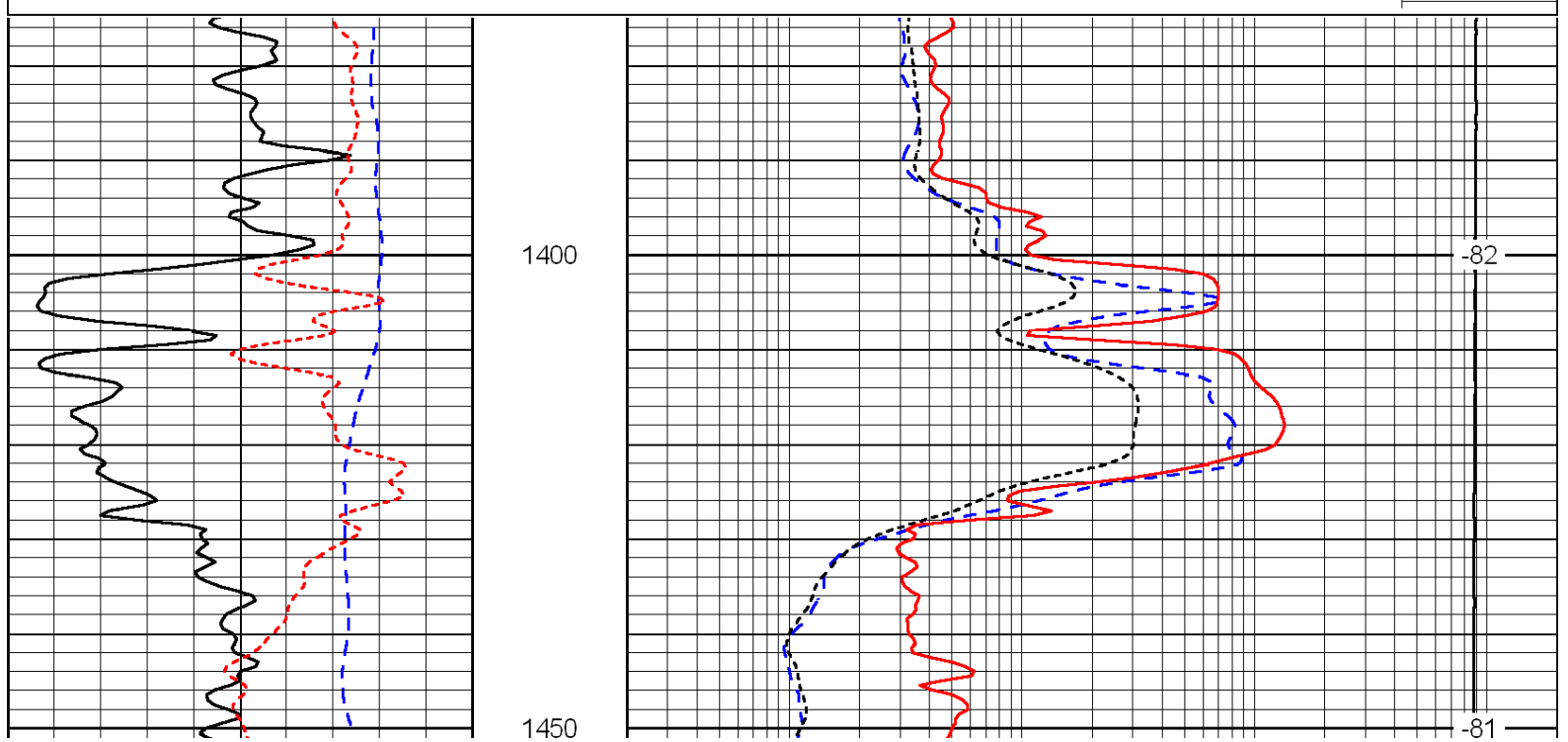
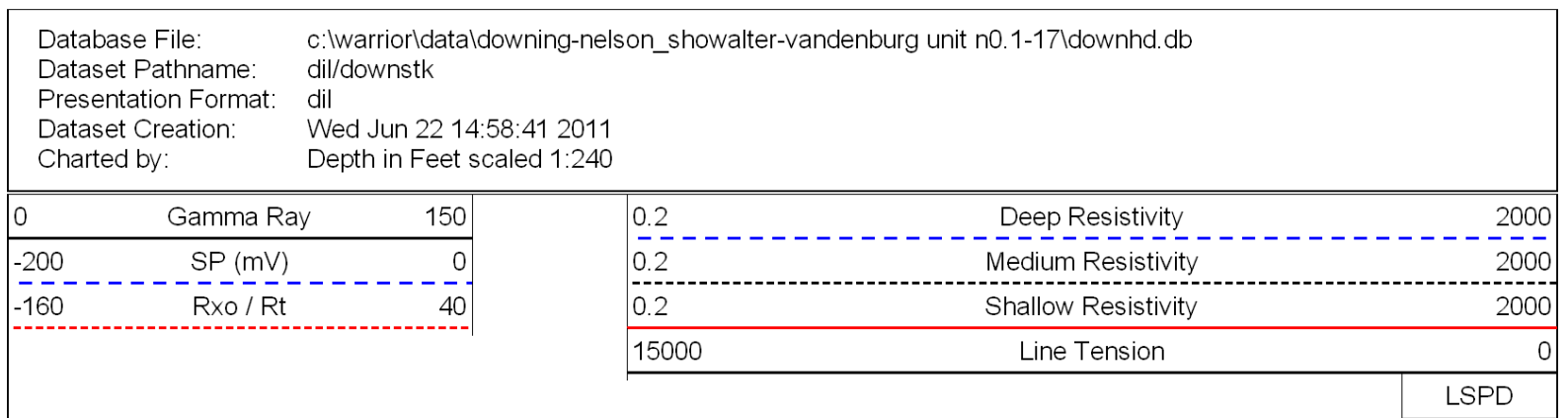
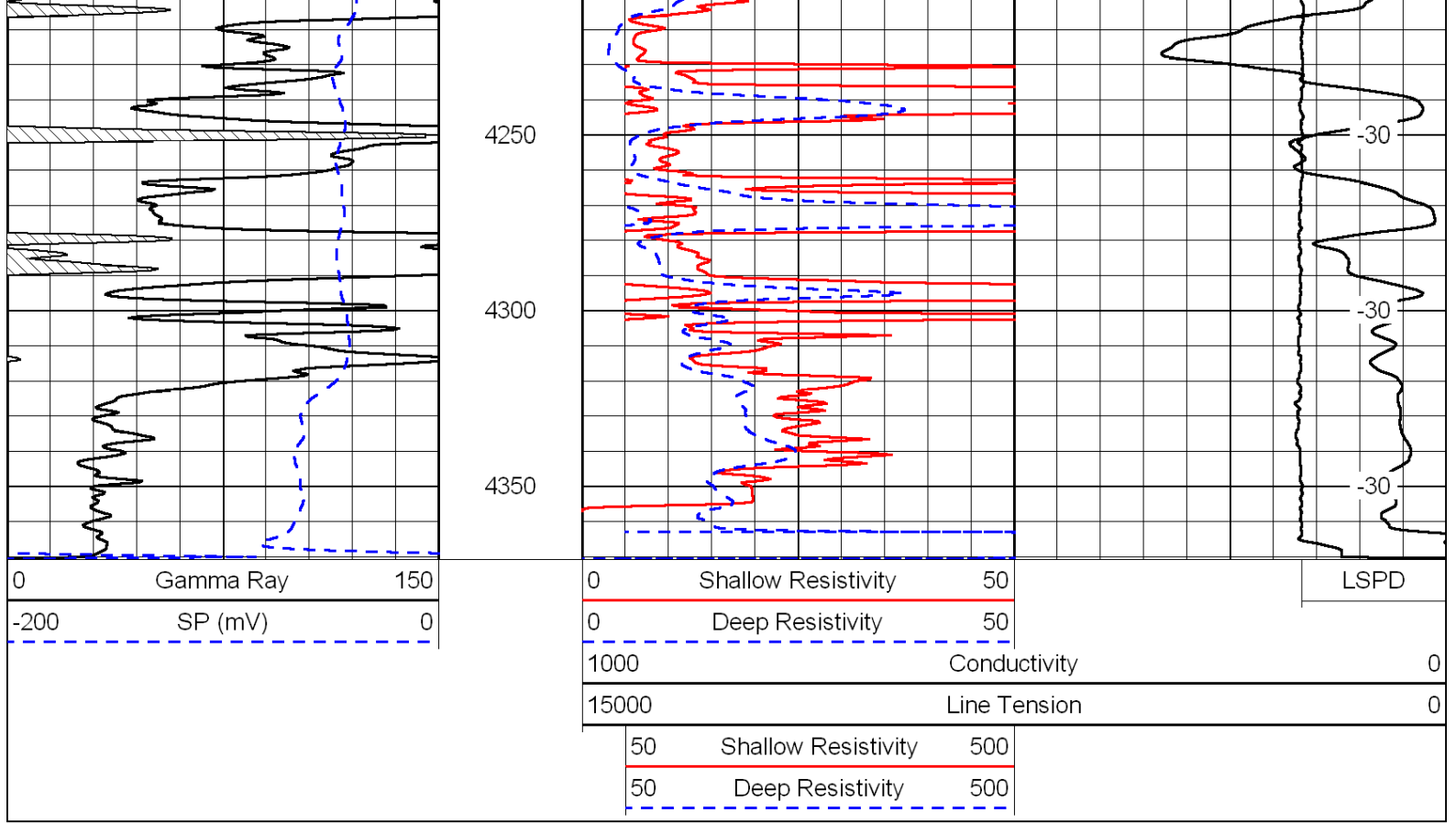






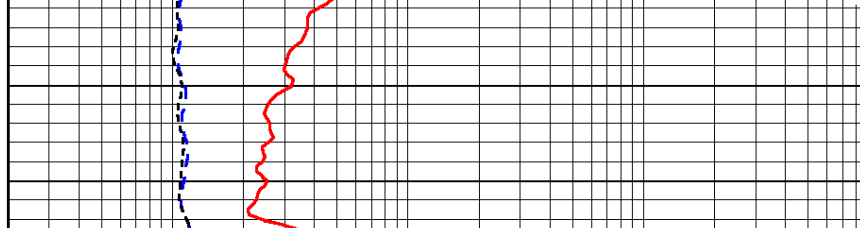








0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40



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

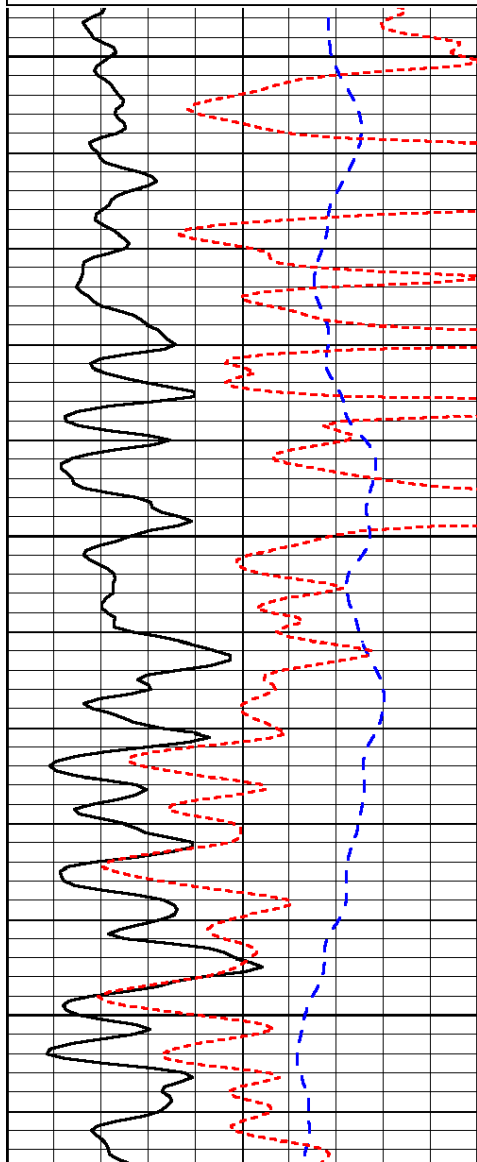
LSPD

Database File: c:\warrior\data\downing-nelson_showalter-vandenburg unit n0.1-17\downhd.db
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 Presentation Format: dil
 Dataset Creation: Wed Jun 22 14:58:41 2011
 Charted by: Depth in Feet scaled 1:240

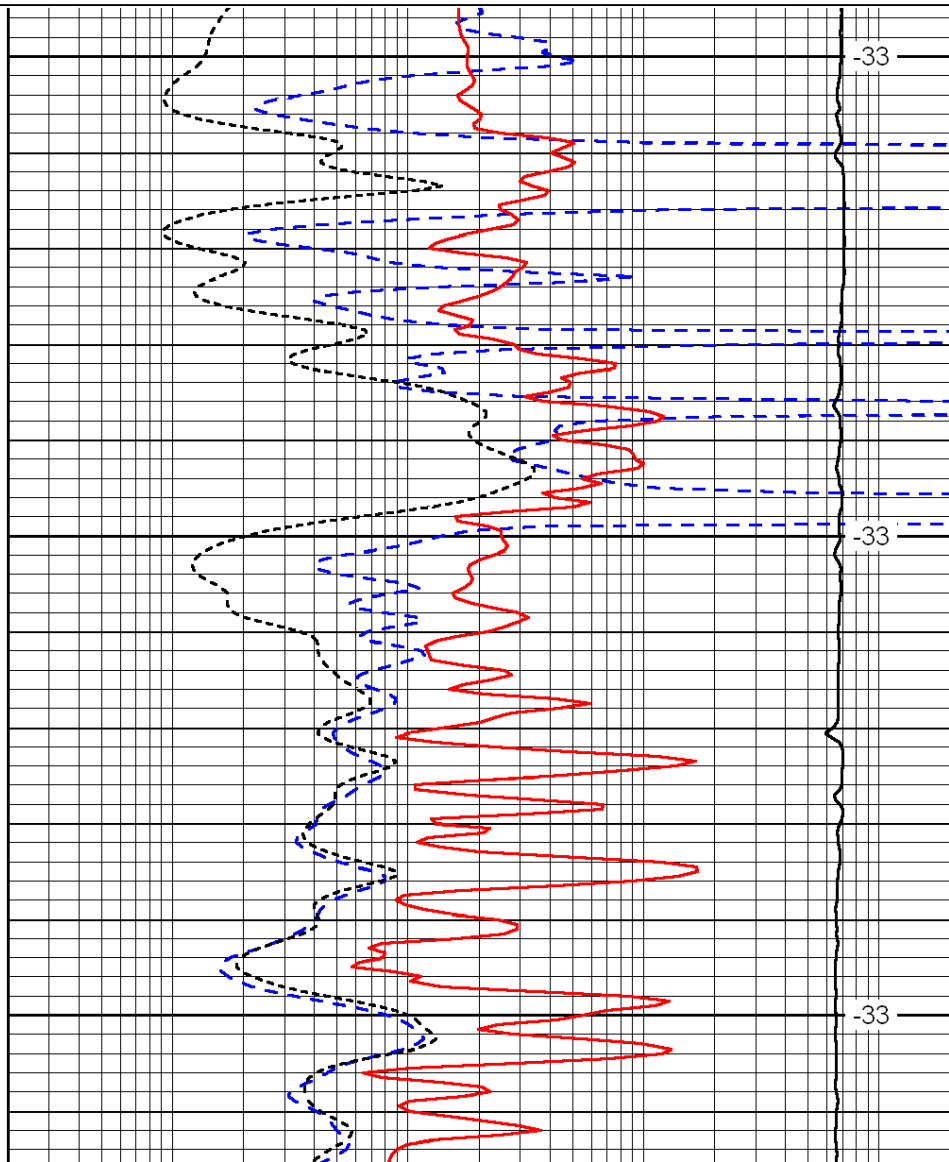
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0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

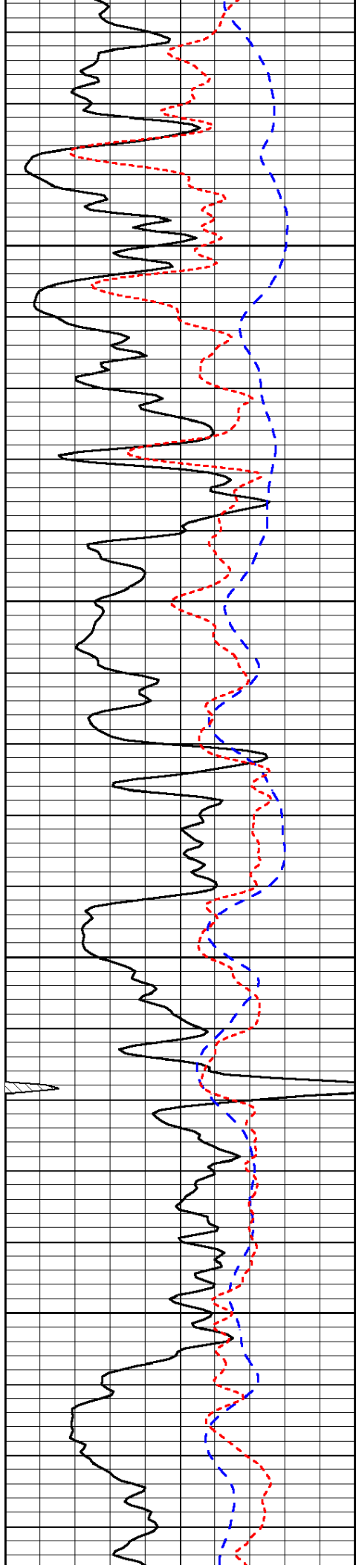
LSPD



2150
2200
2250



-33
-33
-33

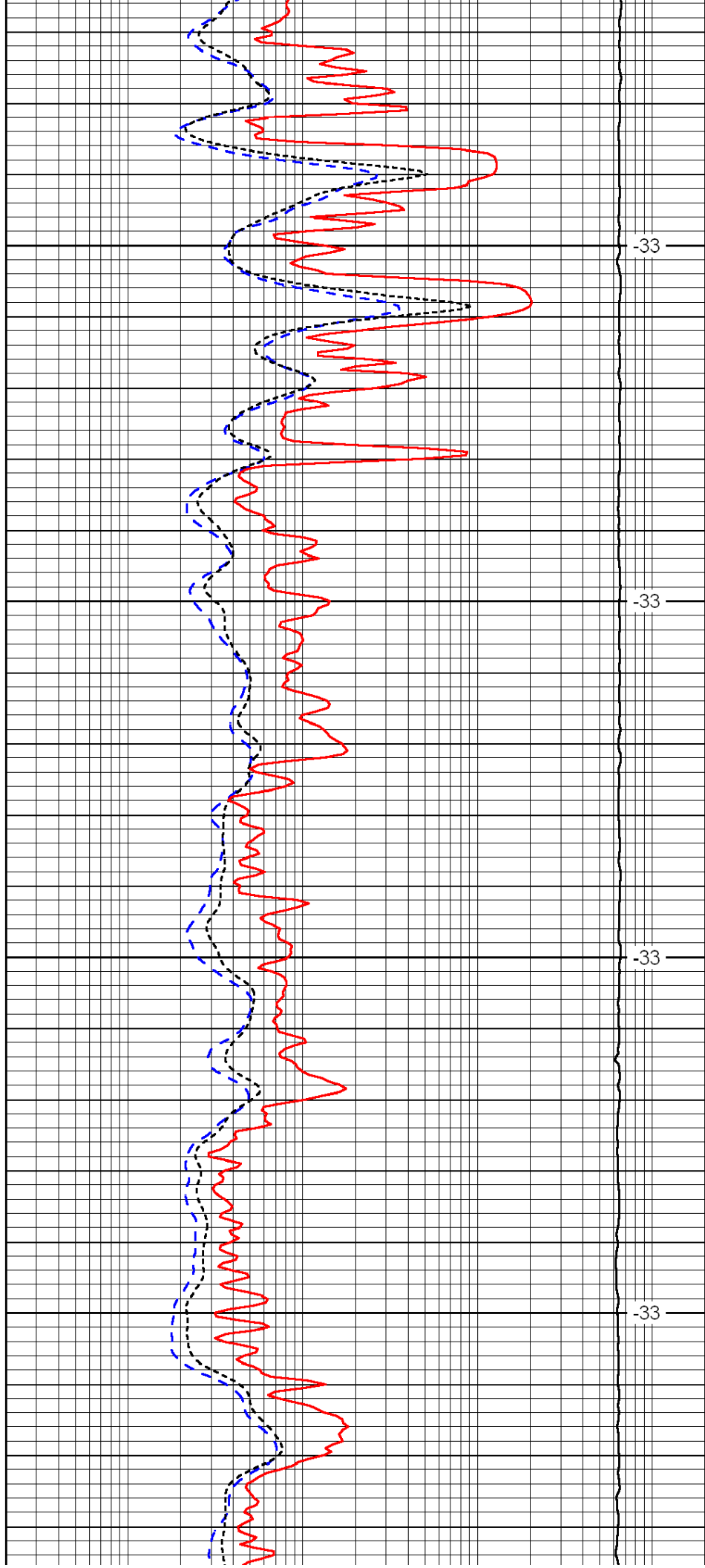


2300

2350

2400

2450

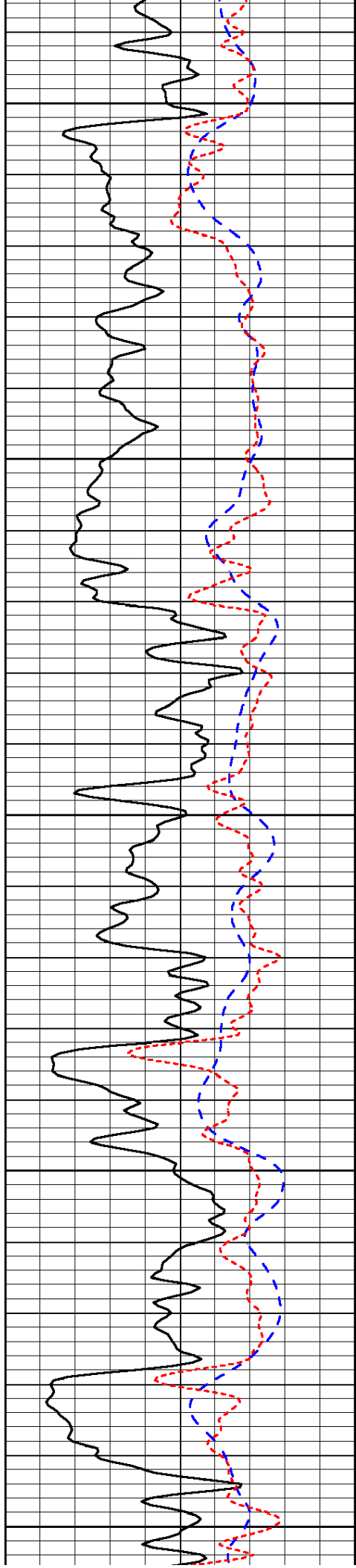


-33

-33

-33

-33



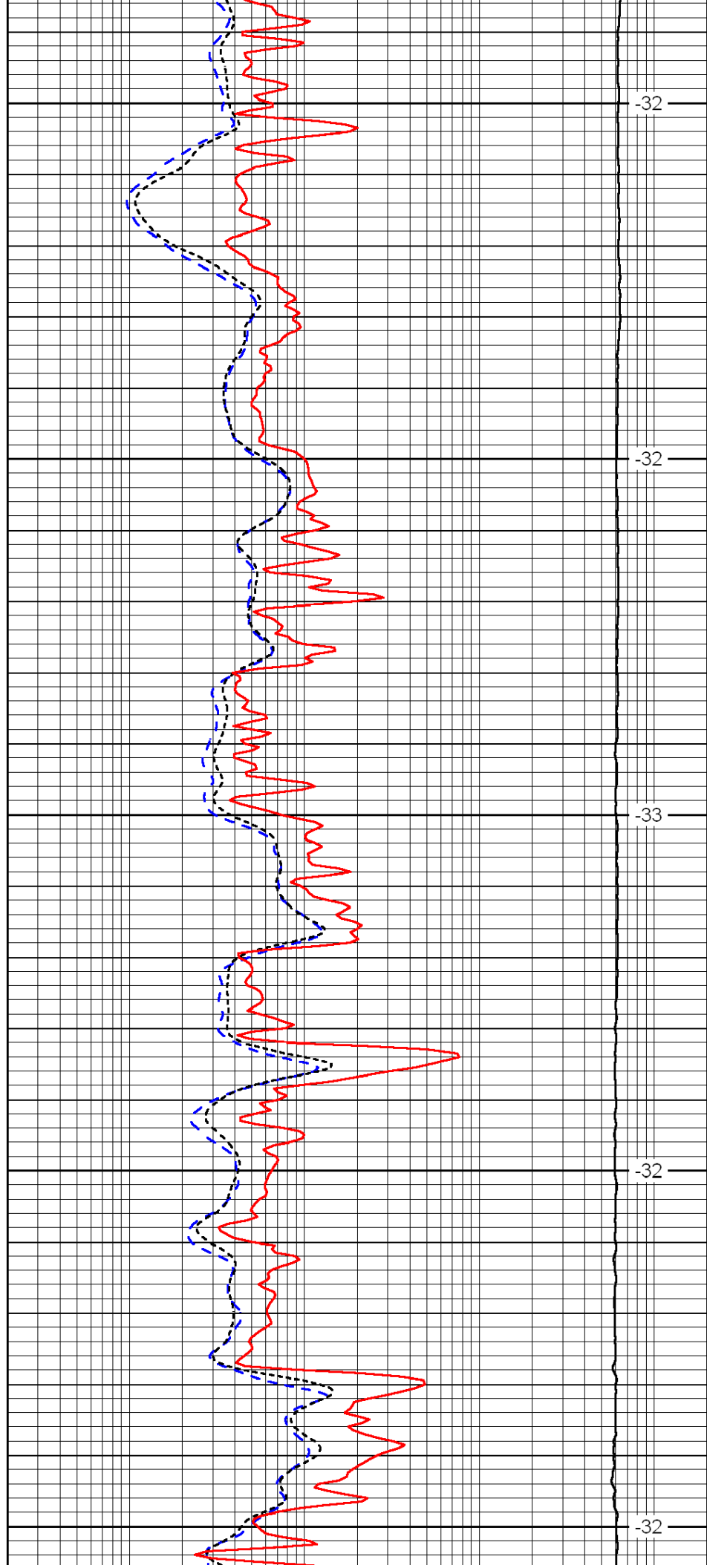
2500

2550

2600

2650

2700



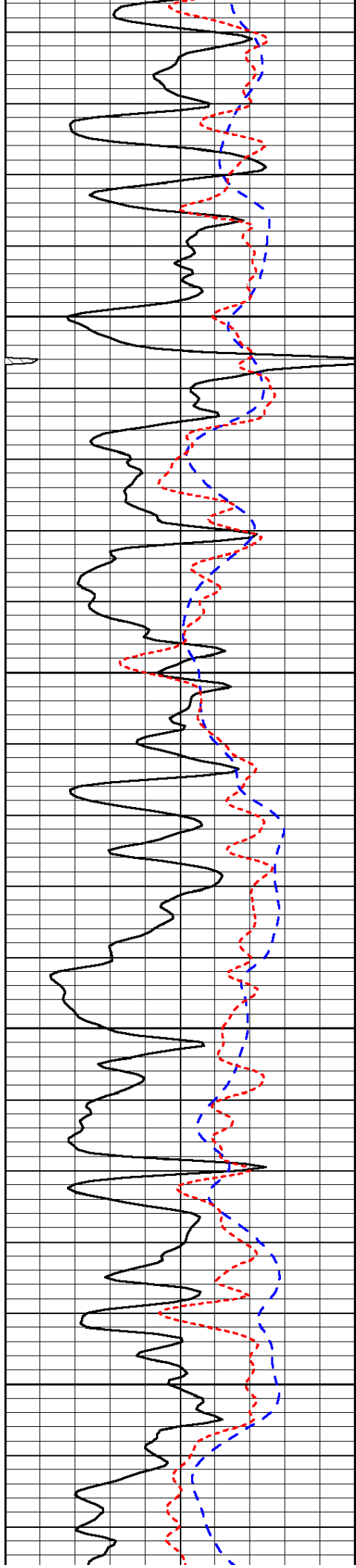
-32

-32

-33

-32

-32

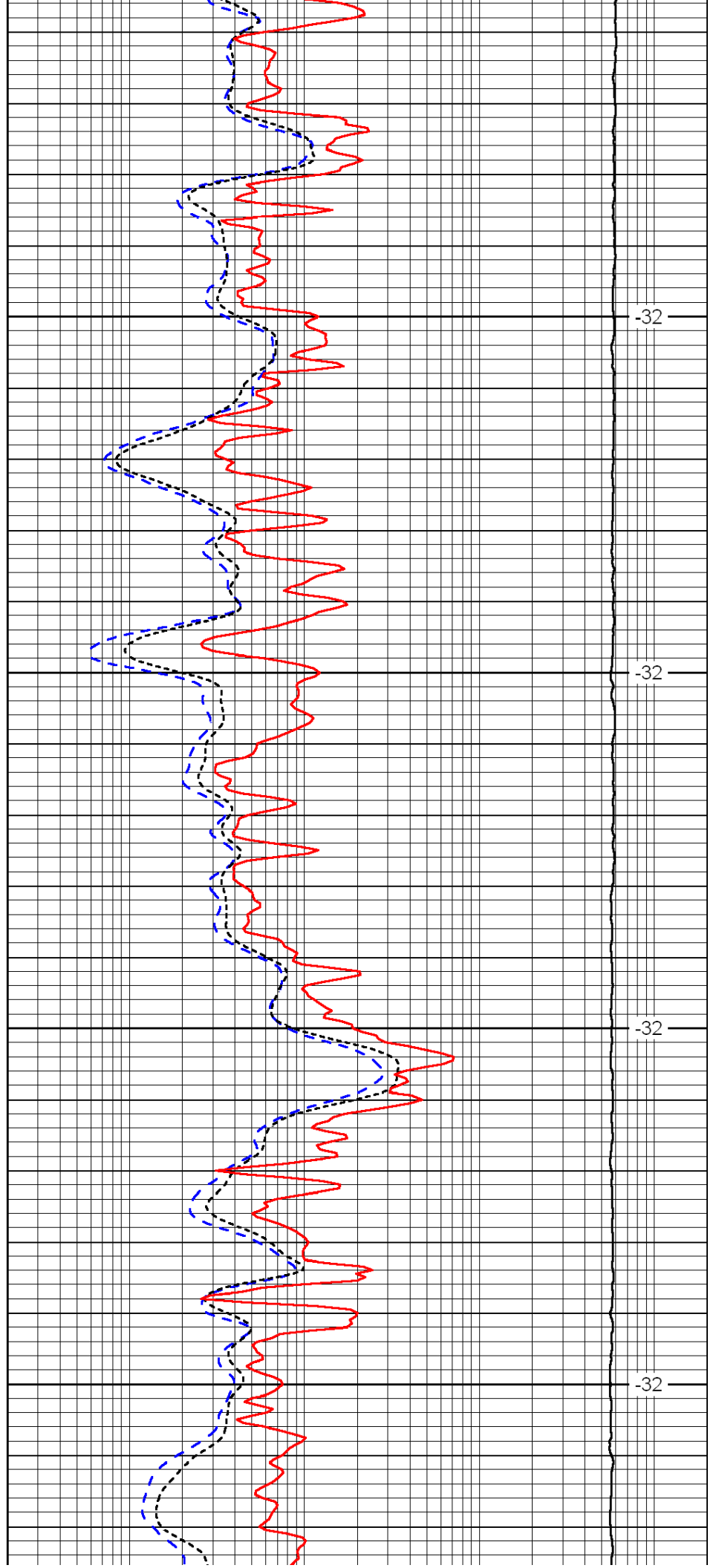


2750

2800

2850

2900

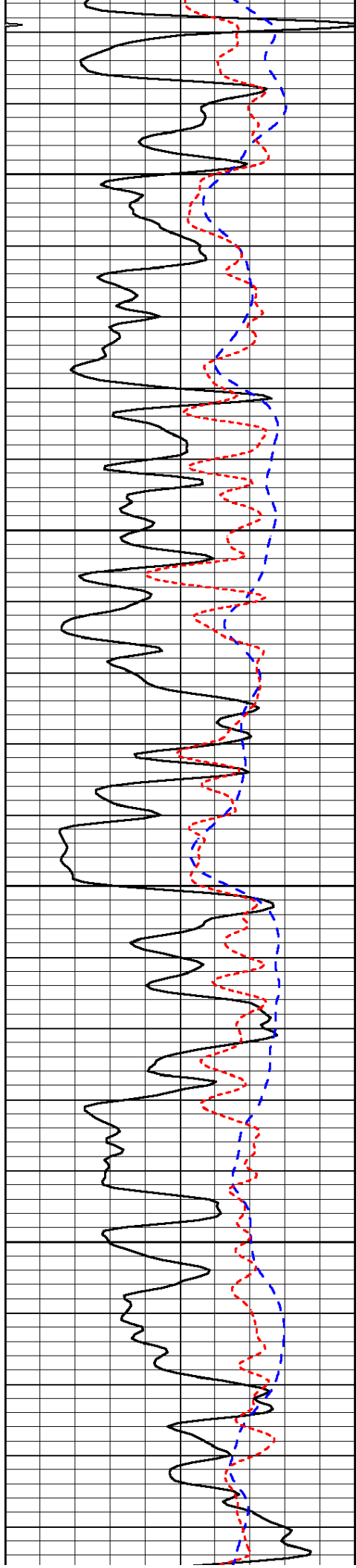


-32

-32

-32

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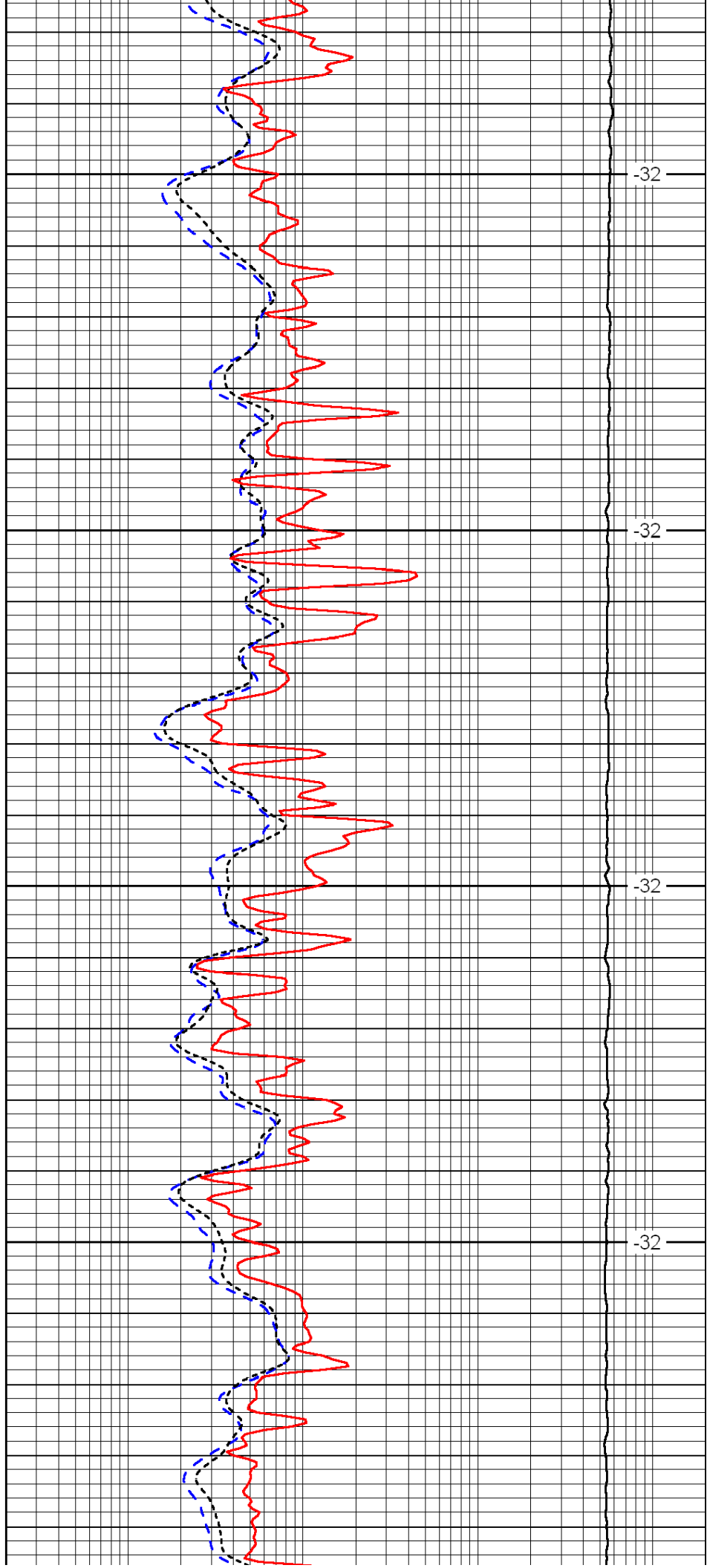


2950

3000

3050

3100

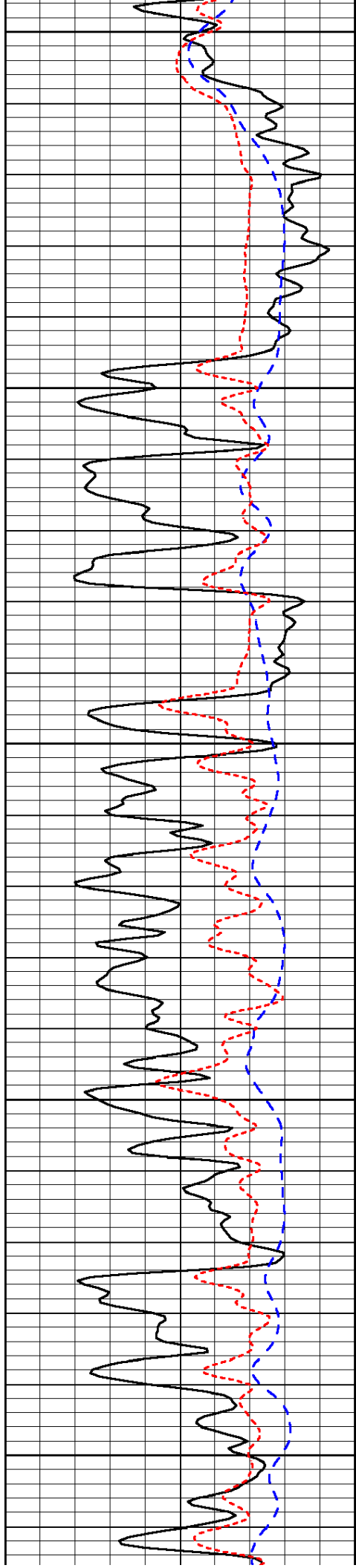


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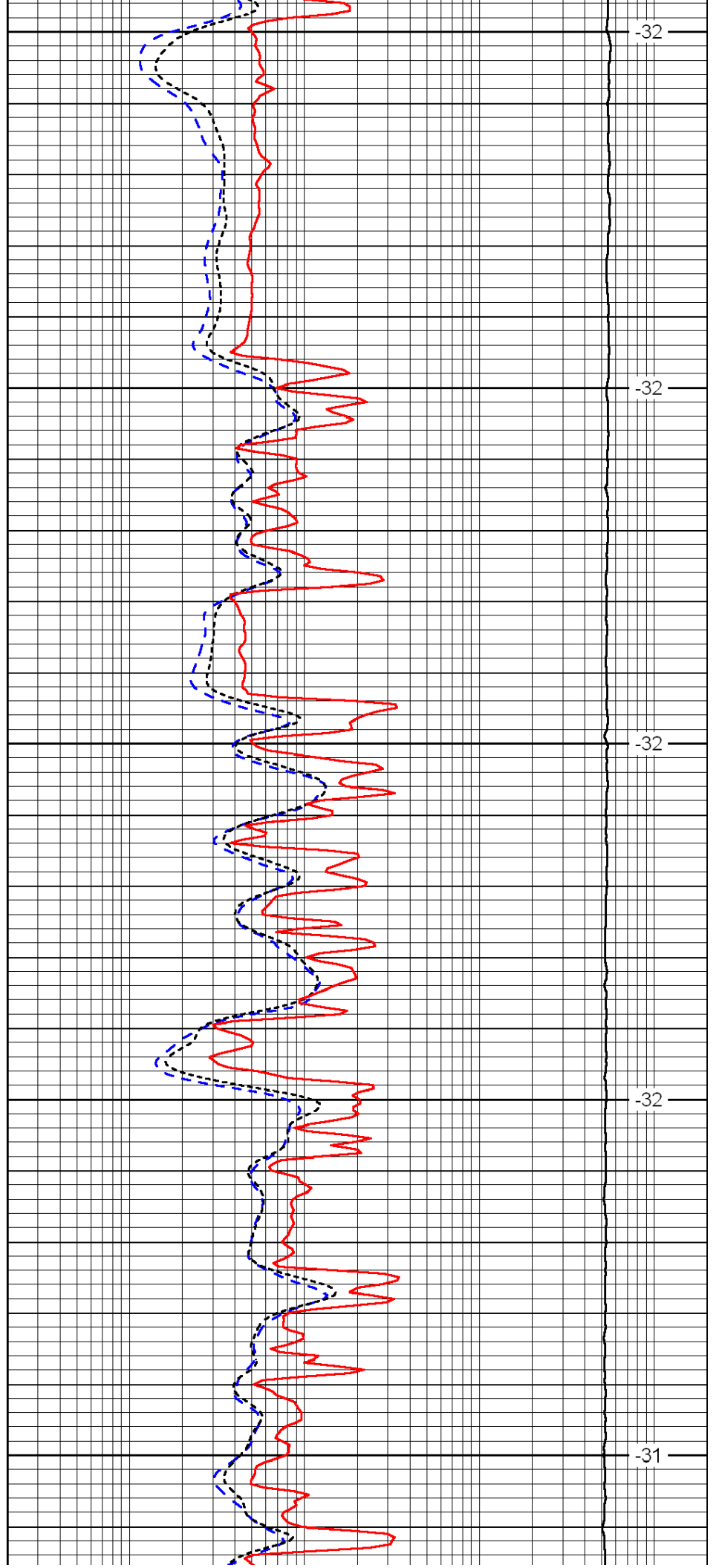
3150

3200

3250

3300

3350



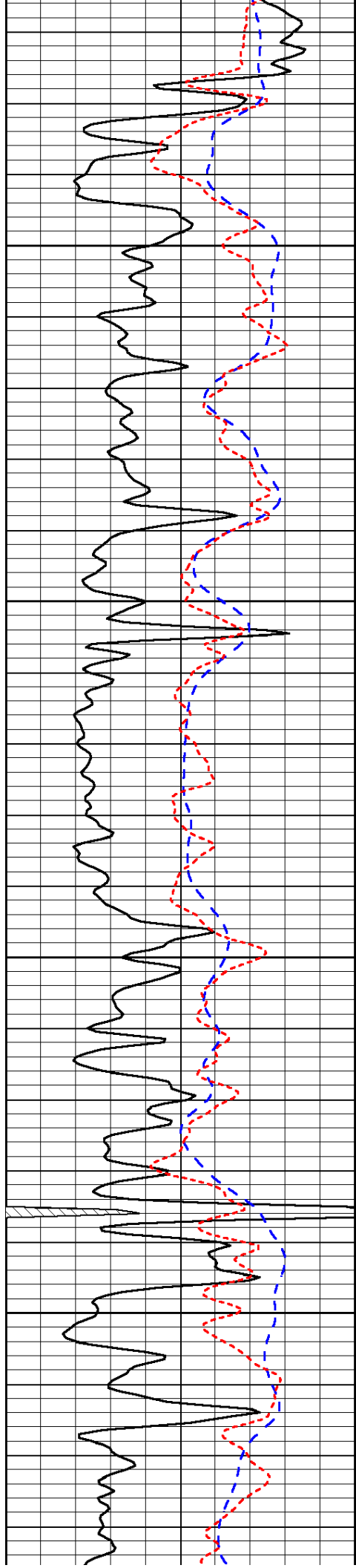
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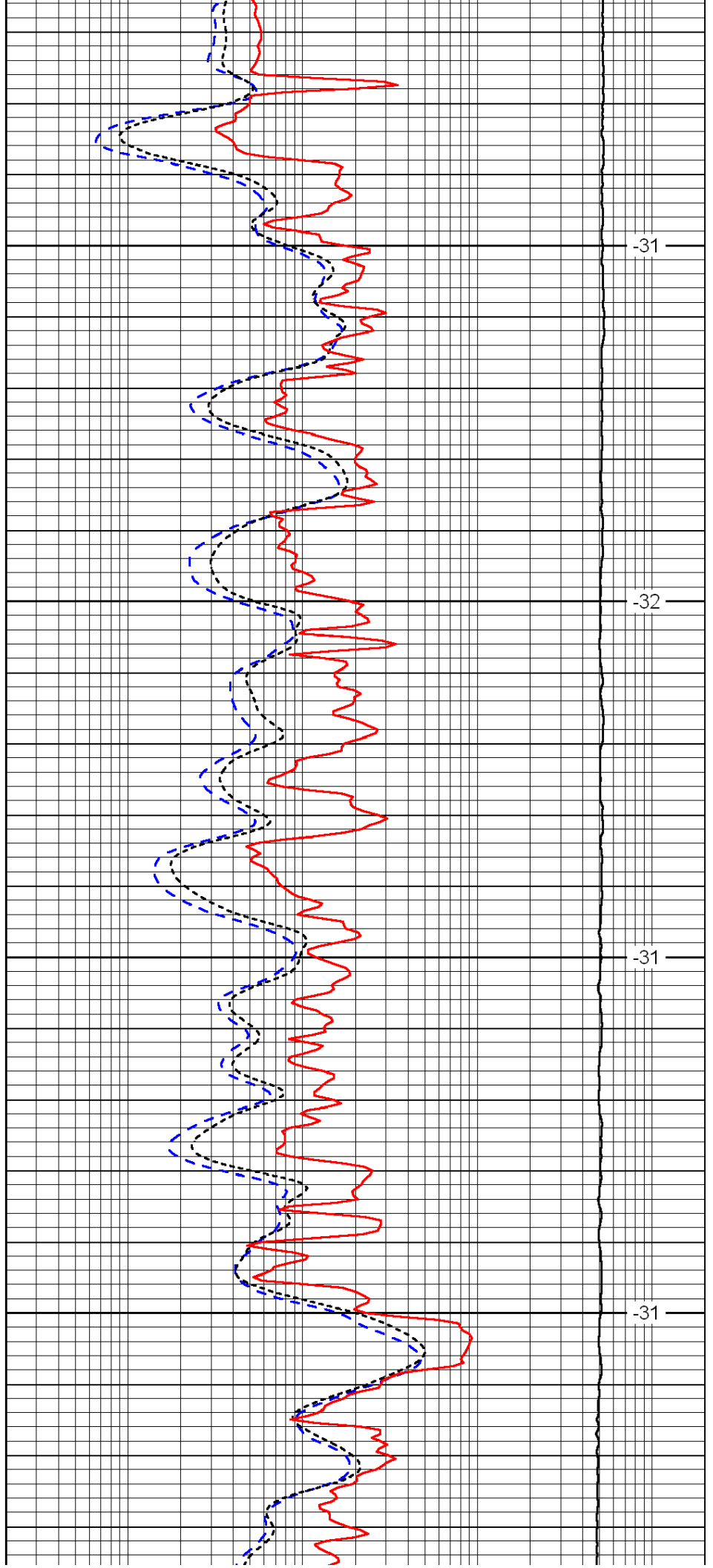


3400

3450

3500

3550

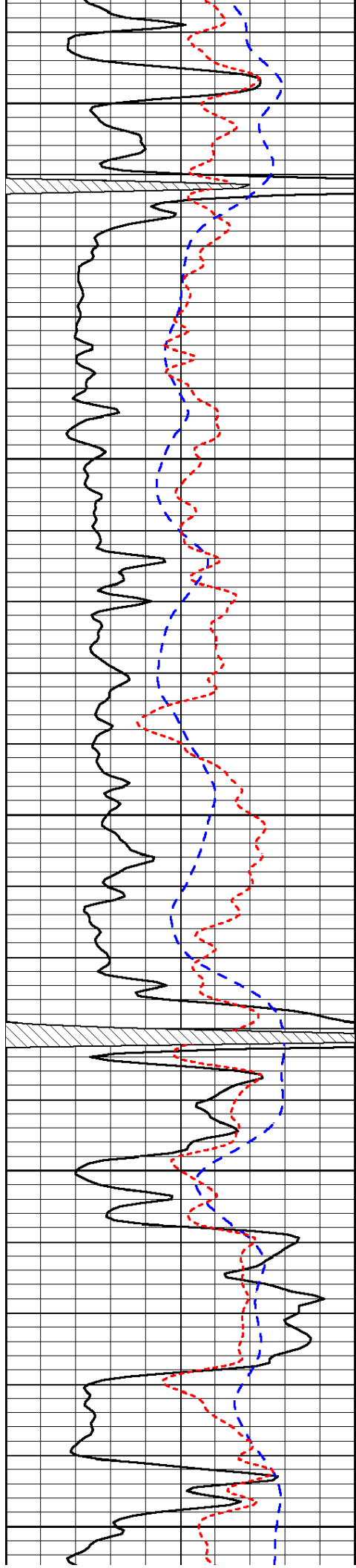


-31

-32

-31

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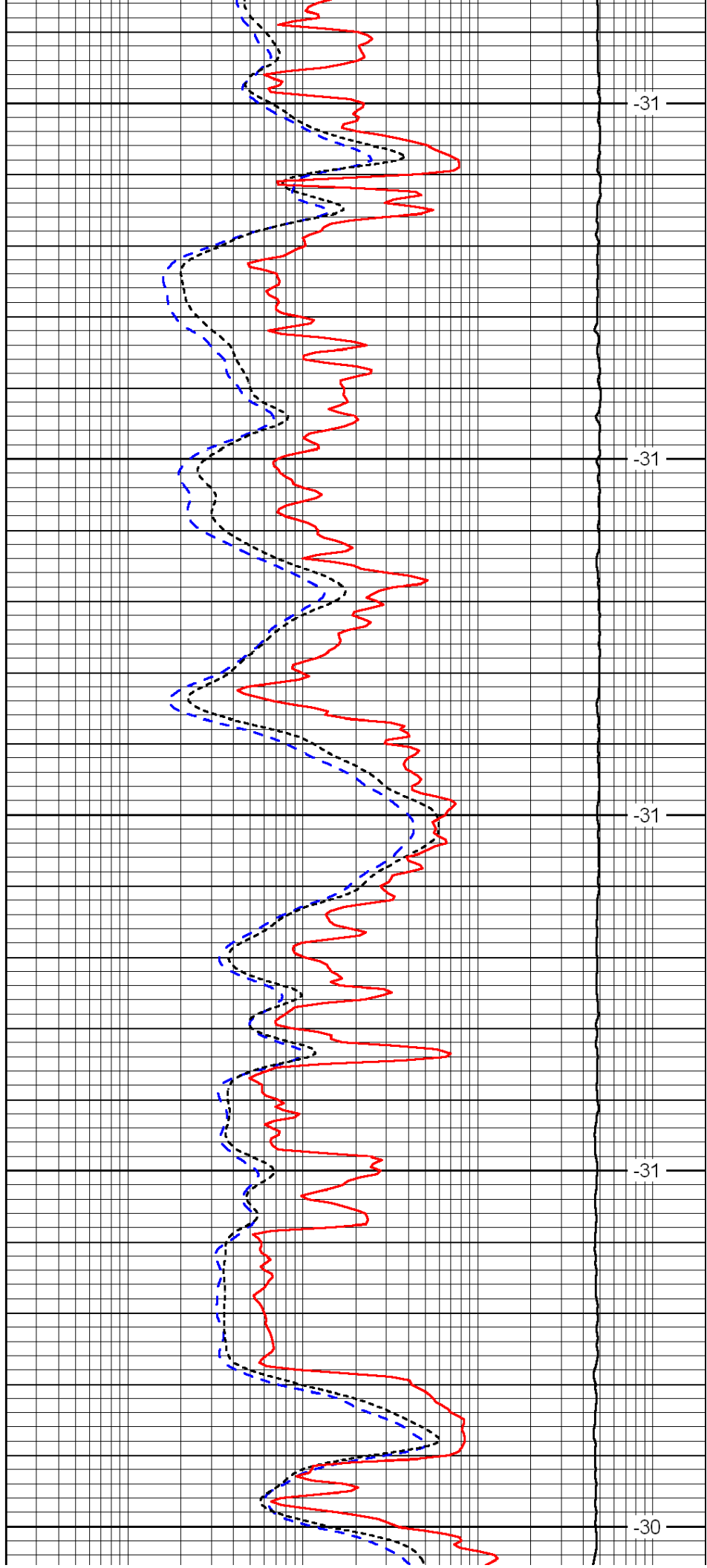
3600

3650

3700

3750

3800



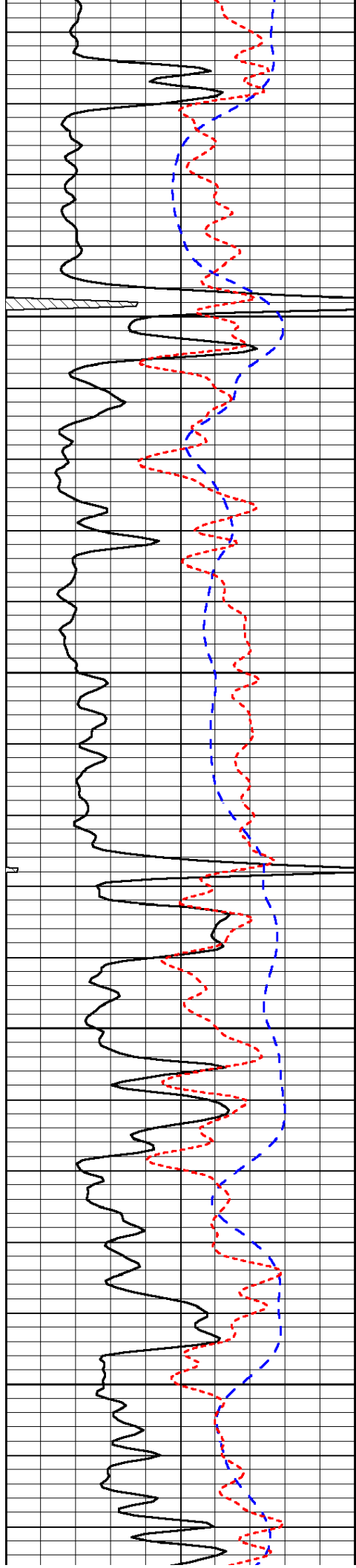
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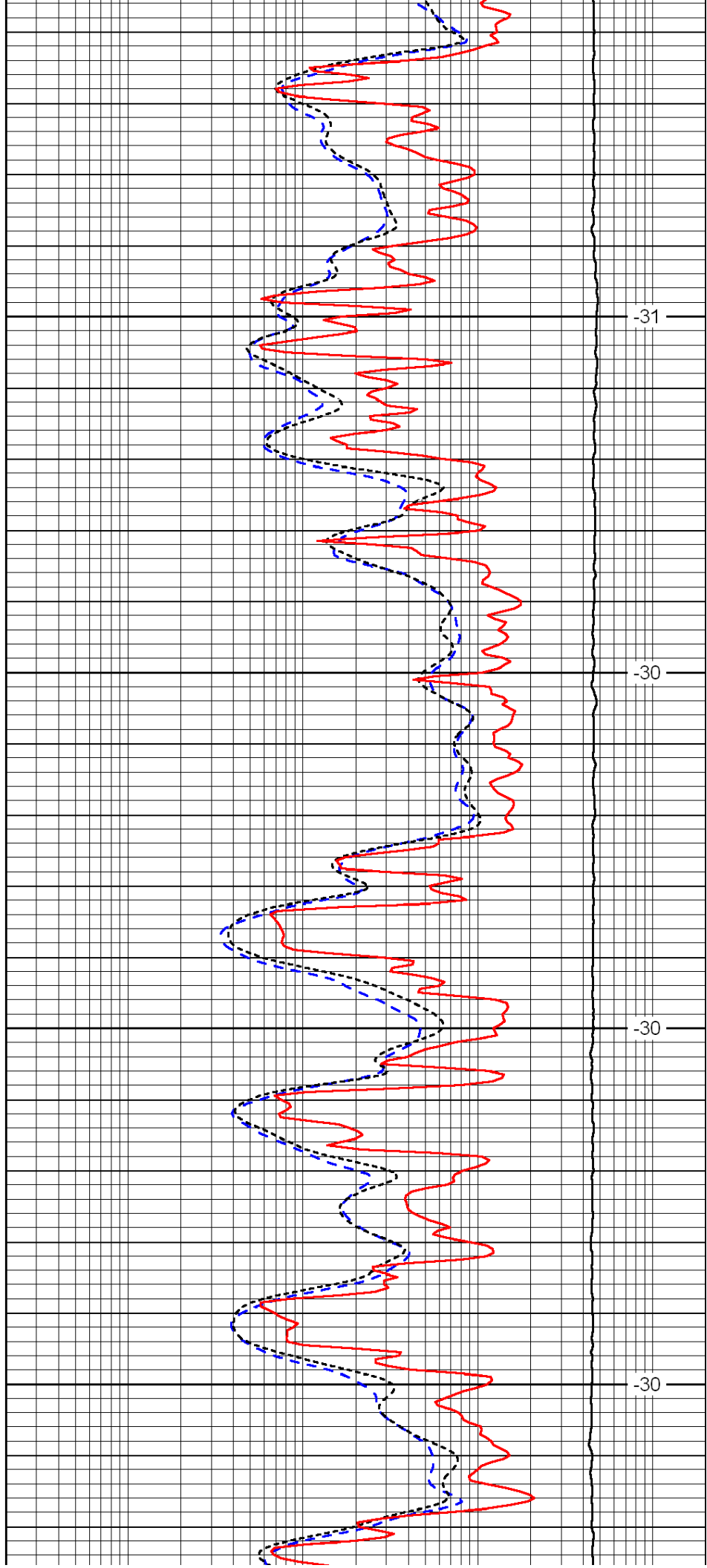


3850

3900

3950

4000

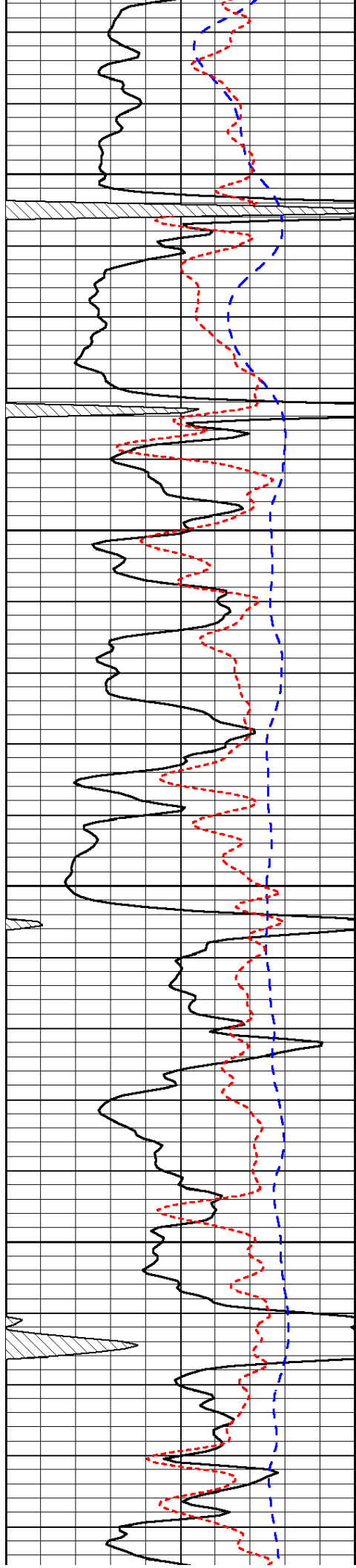


-31

-30

-30

-30

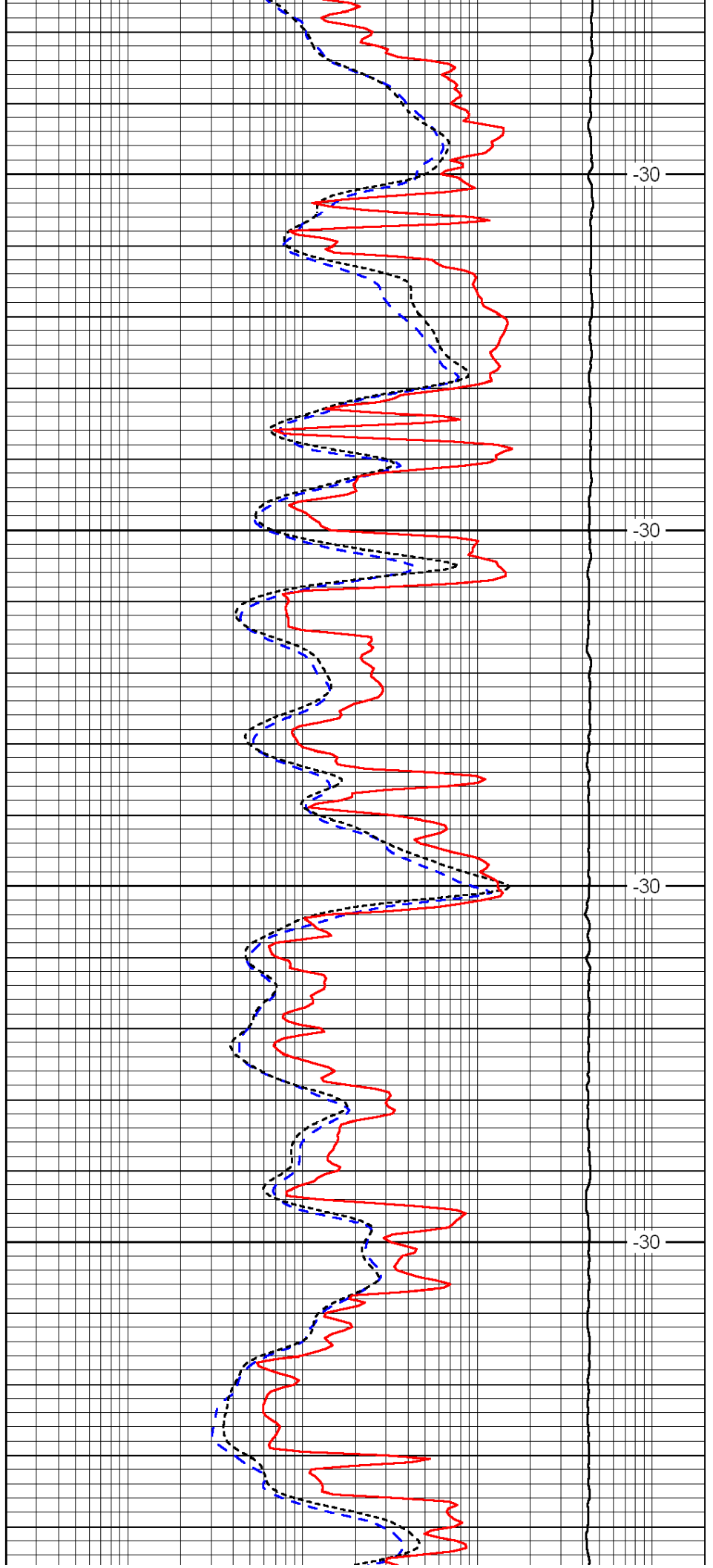


4050

4100

4150

4200

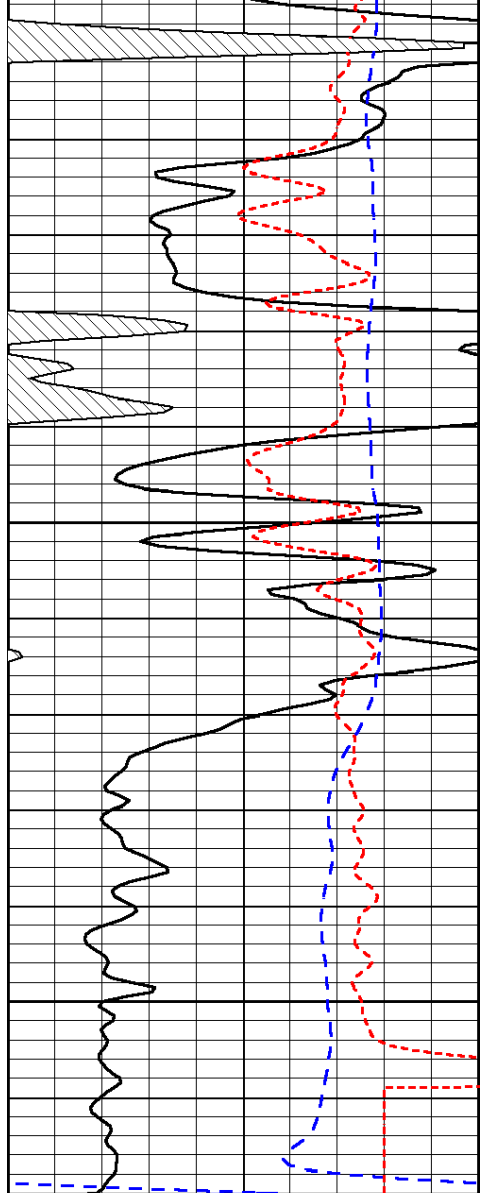


-30

-30

-30

-30

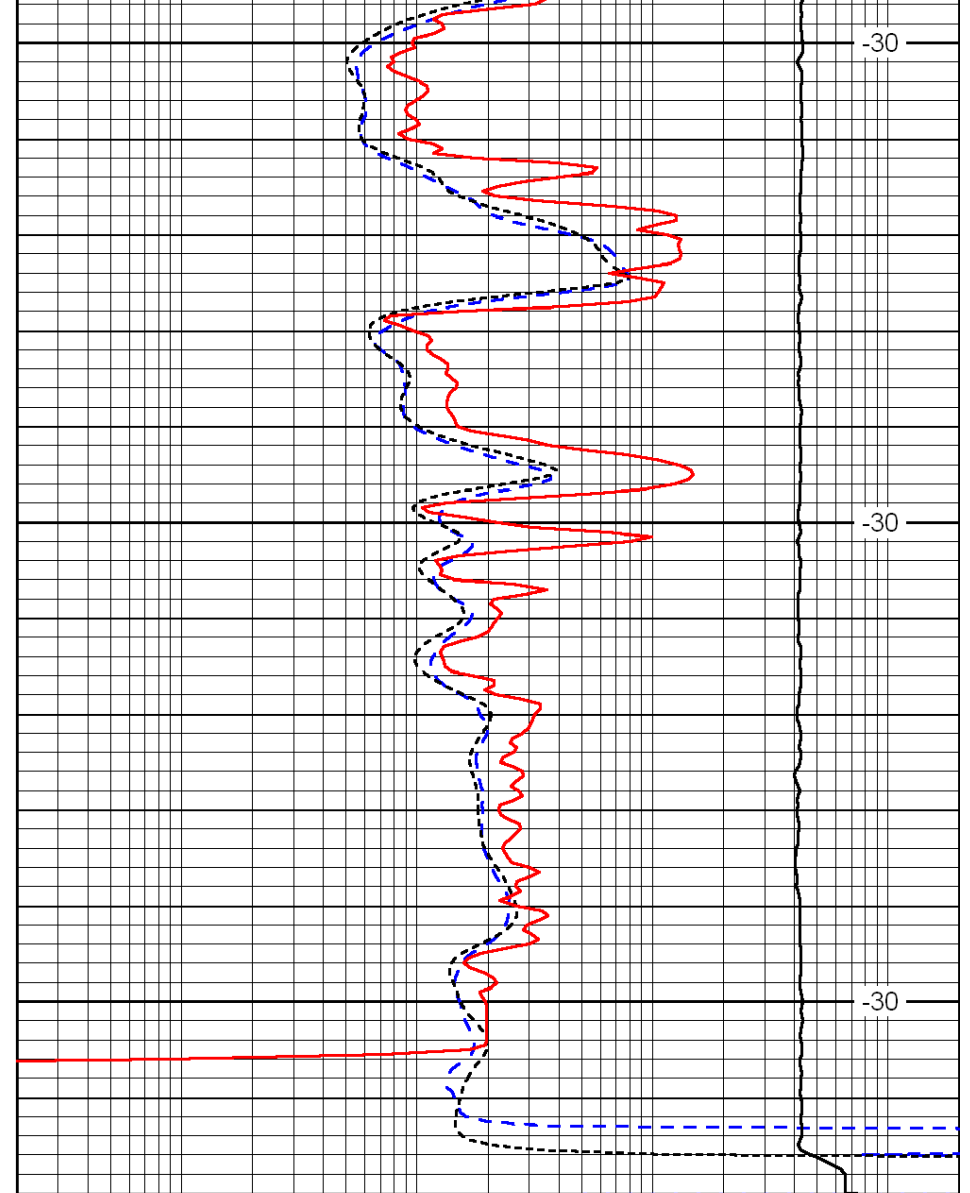


4250

4300

4350

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-200	SP (mV)	0
-160	Rxo / Rt	40



-30

-30

-30

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15000	Line Tension	0

LSPD