



Dual Induction Log

Pioneer Energy Services

API No.

15-155-21,670-00-00

Company **Carrie Exploration & Development**

Well **Peace Creek #C-1**

Field **Unknown**

County **Reno** State **Kansas**

Location

SE SE
660' FSL & 660' FEL

Sec: 25 Twp: 22S Rge: 10W

Other Services
CNL/CDL
MEL

Elevation

Permanent Datum Ground Level Elevation 1738
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1747
D.F. 1738
G.L. 1738

Date 10/28/2013

Run Number One

Depth Driller 3980

Depth Logger 3979

Bottom Logged Interval 3978

Top Log Interval 250

Casing Driller 8.625 @ 263

Casing Logger 264

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 8500

Density / Viscosity 9.3 61

pH / Fluid Loss 10.5 9.4

Source of Sample Flowline

Rm @ Meas. Temp 0.70 @ 68

Rmf @ Meas. Temp 0.53 @ 68

Rmc @ Meas. Temp 0.95 @ 68

Source of Rmf / Rmc Charts

Rm @ BHT 0.41 @ 116

Operating Rig Time 3 1/2 Hours

Max Rec. Temp. F 116

Equipment Number 15

Location Hays

Recorded By D. Kerr

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.pioneerenergy.com
785 625 3858

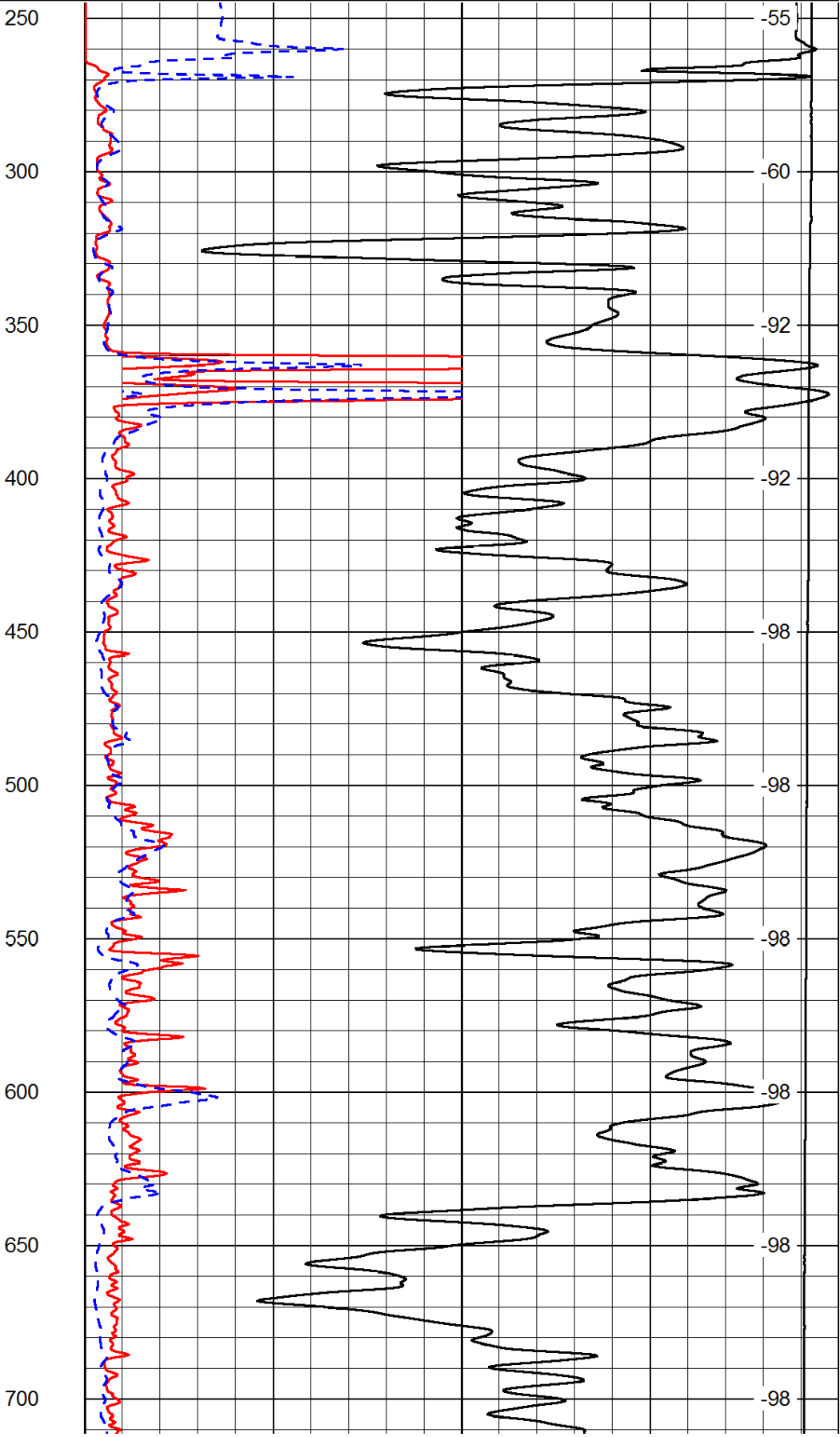
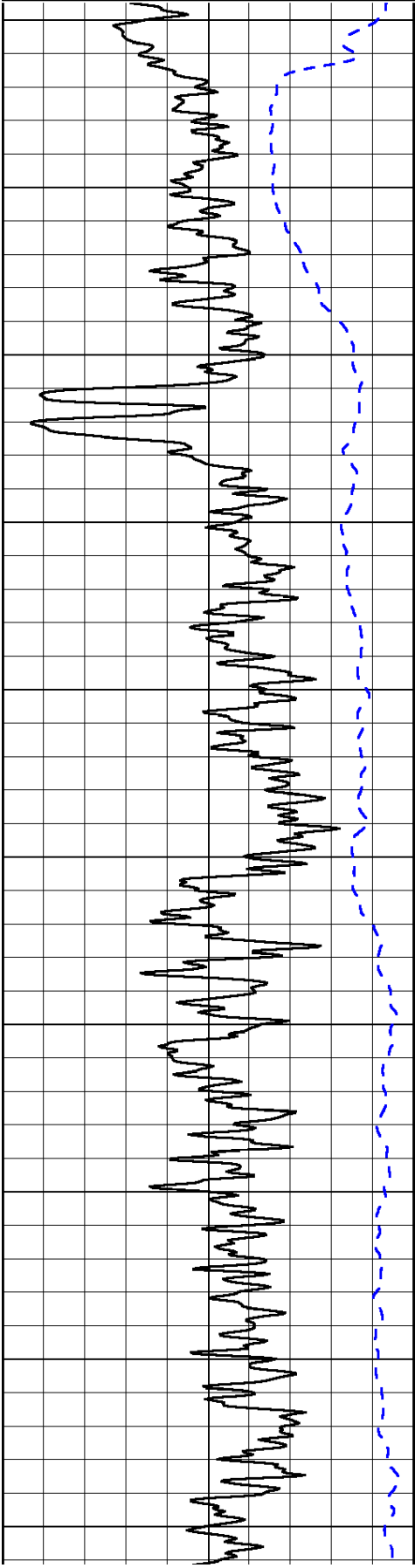
Great Bend KS, South to HWY 19(NE 140 RD)
23 East to Langdon RD, 3 South, 1 5/8 West,
1 South, West Into

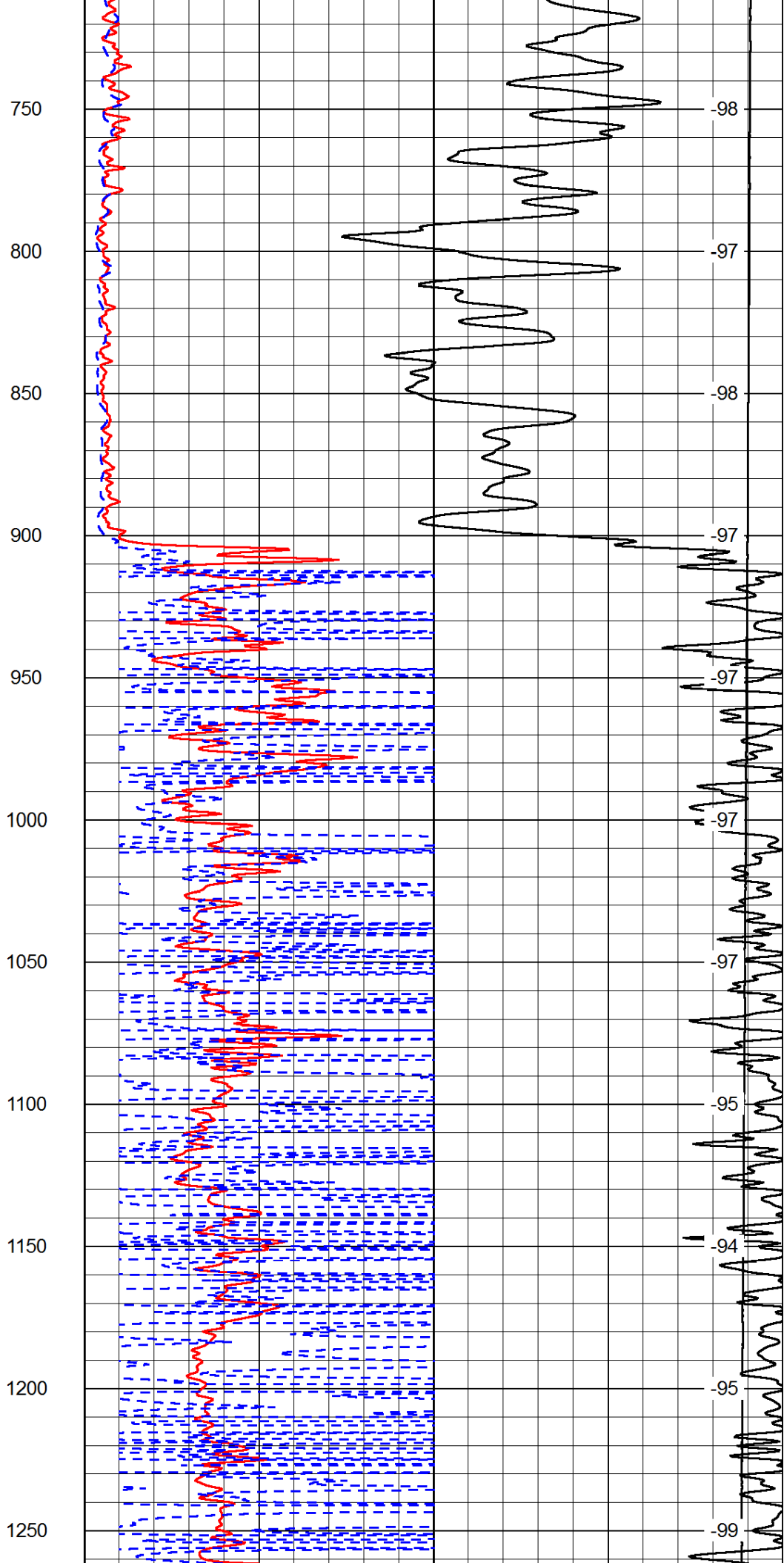
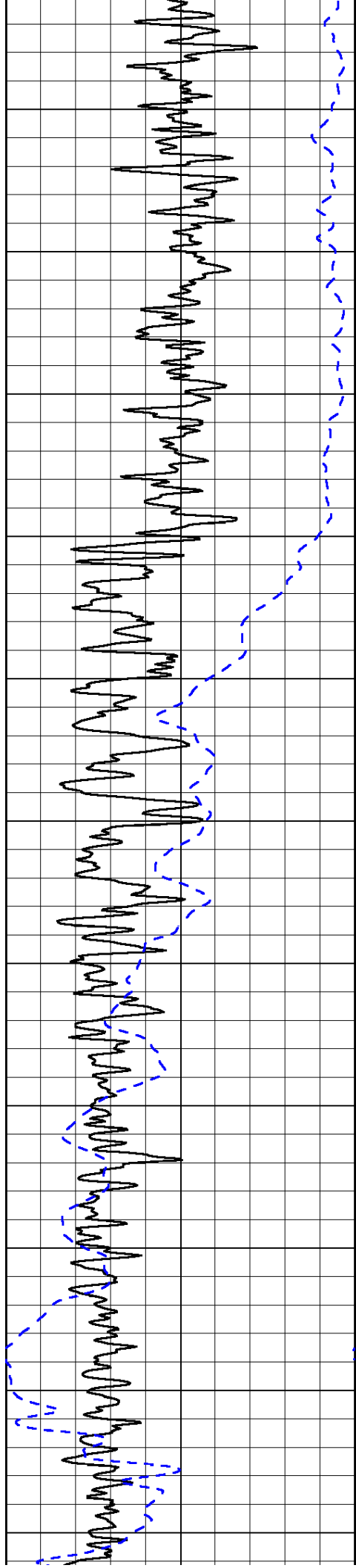
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Dataset Pathname: DIL\carstk
Presentation Format: dil2in
Dataset Creation: Tue Oct 29 00:32:15 2013
Charted by: Depth in Feet scaled 1:600

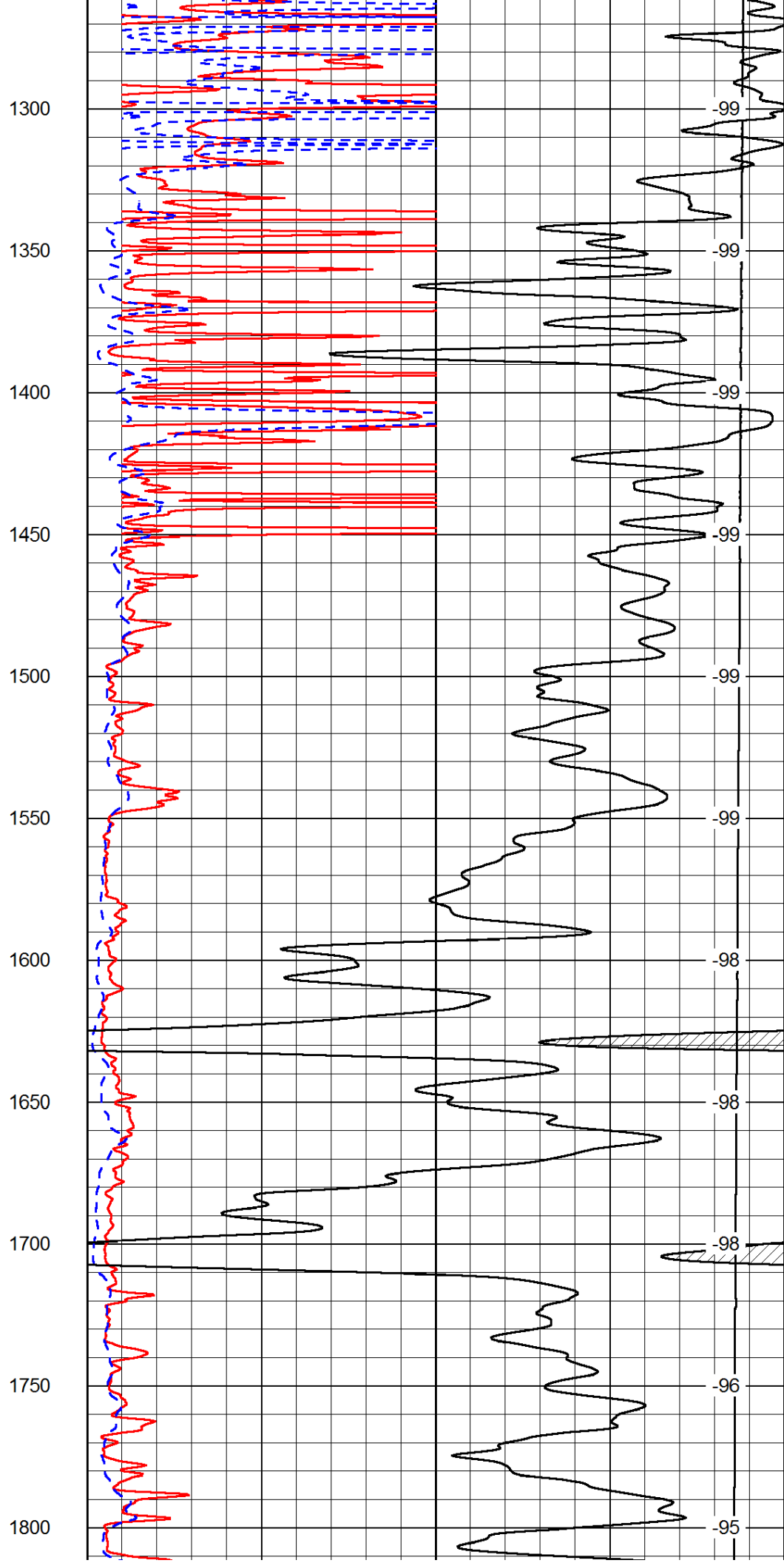
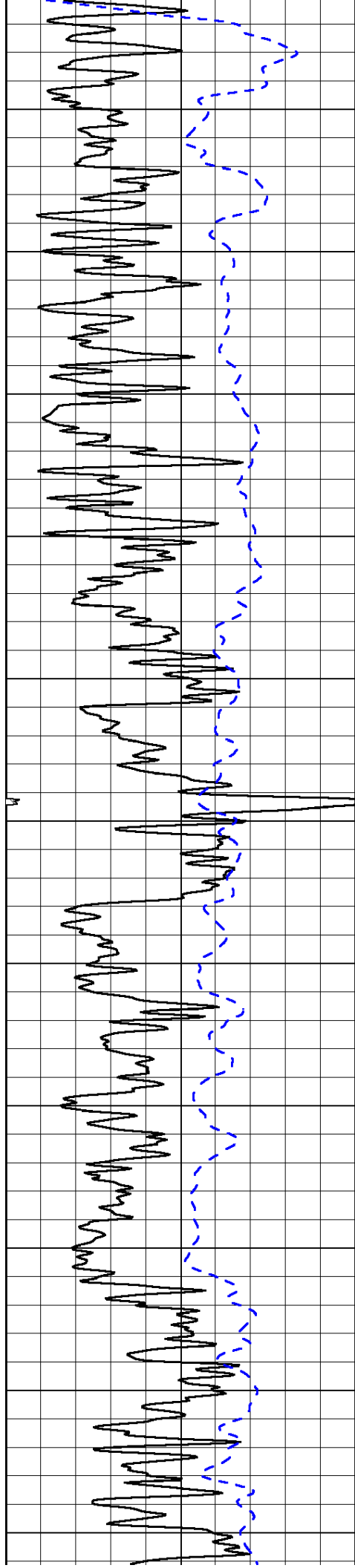
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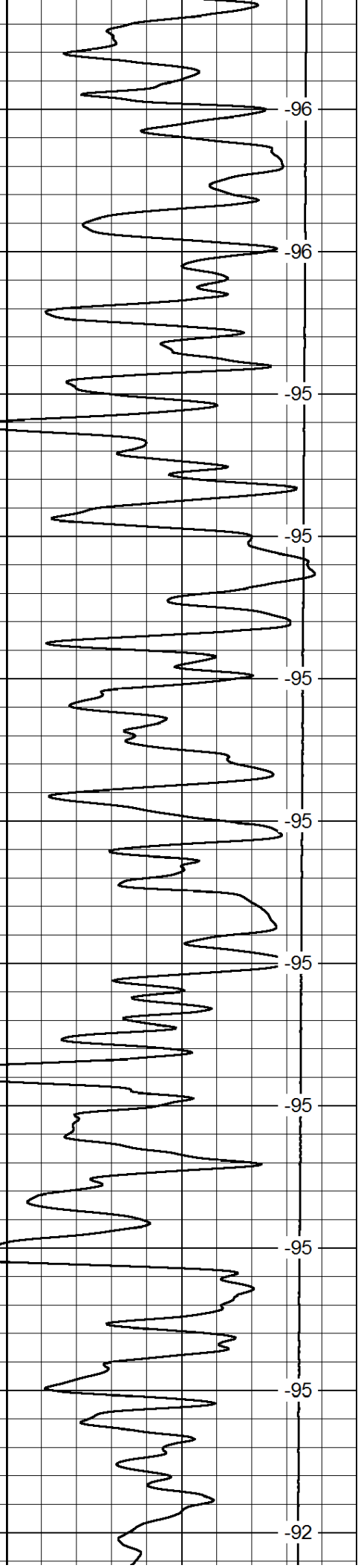
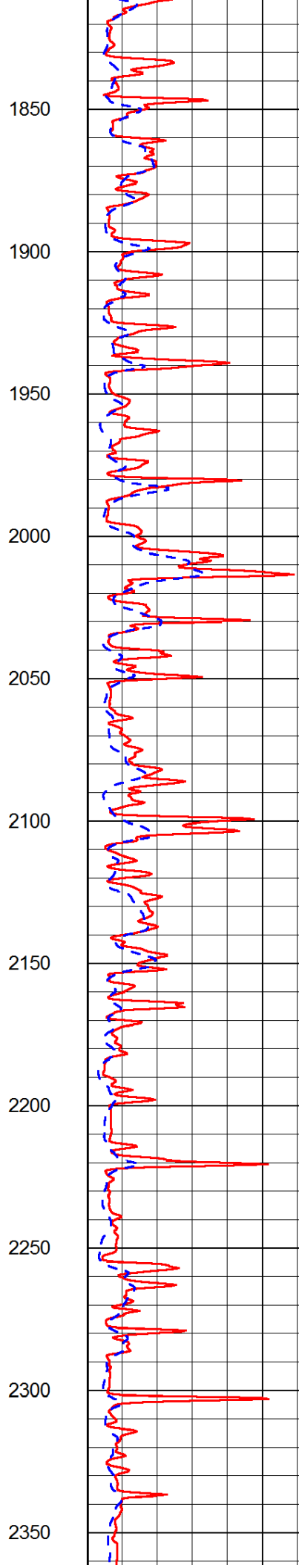
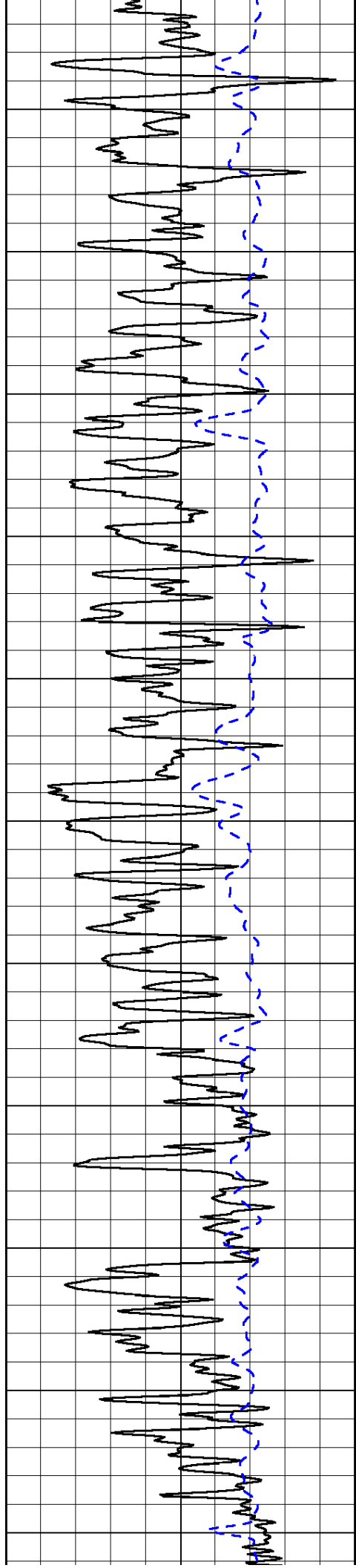
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-200	SP (mV)	0

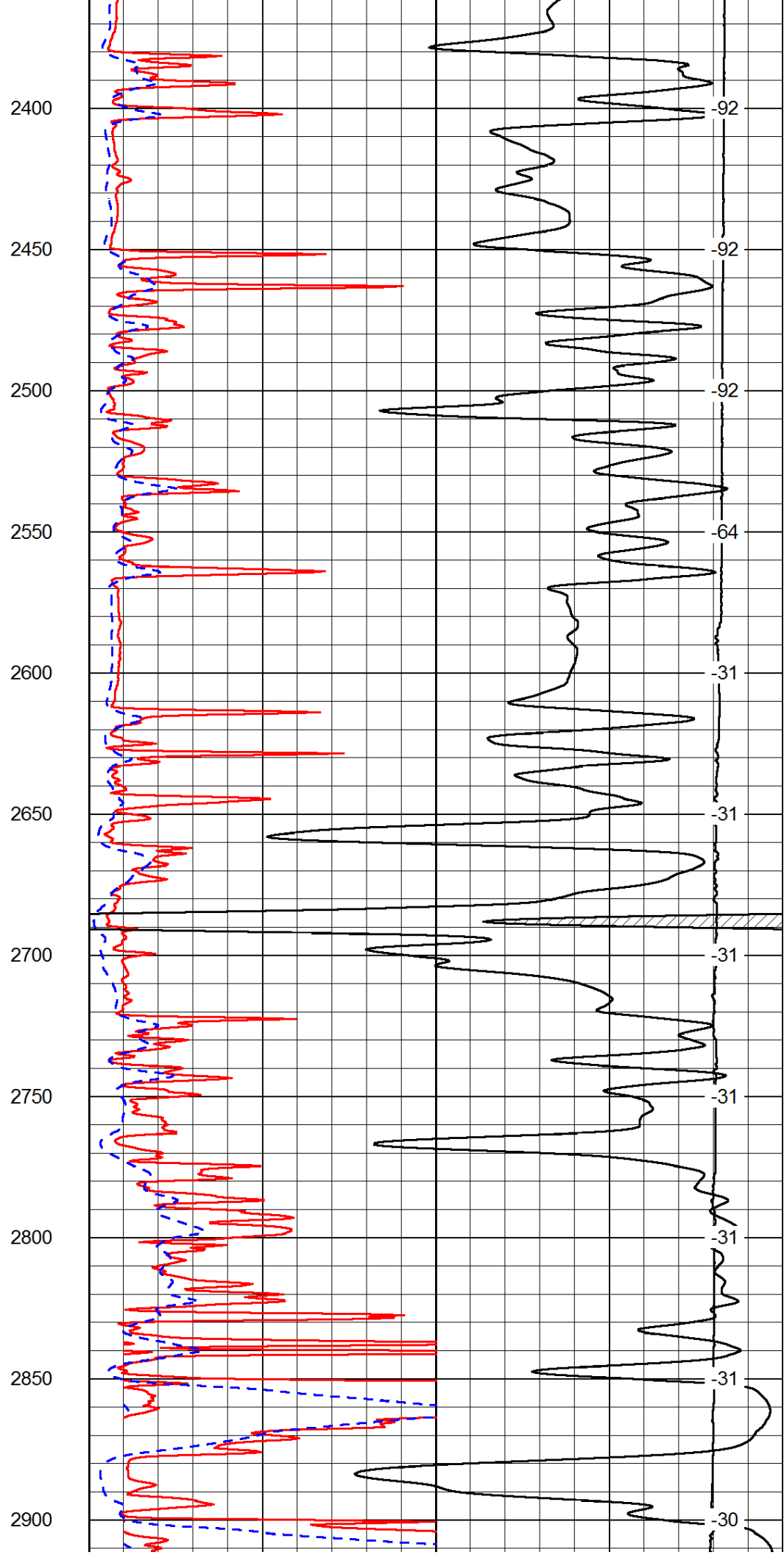
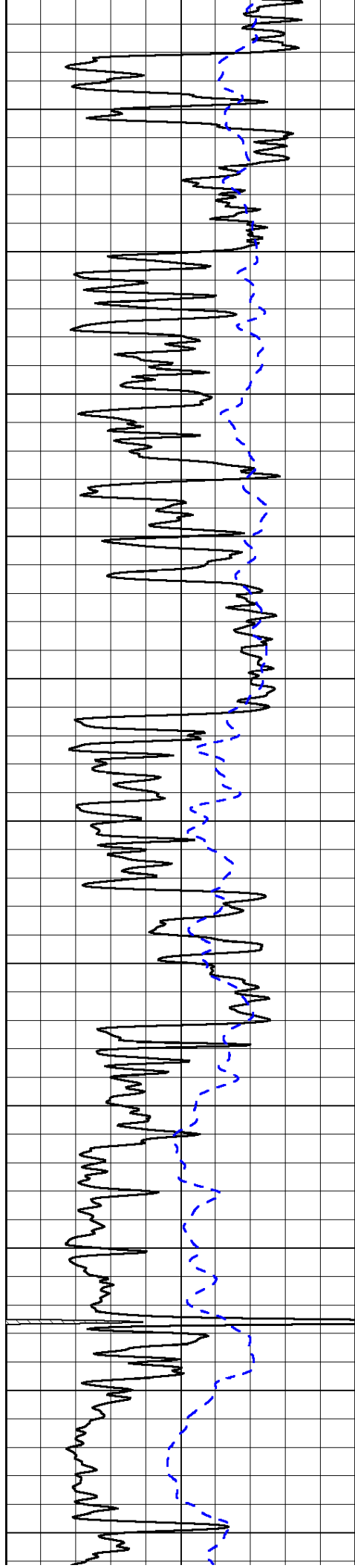
0	Shallow Resistivity	50	LSPD
0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

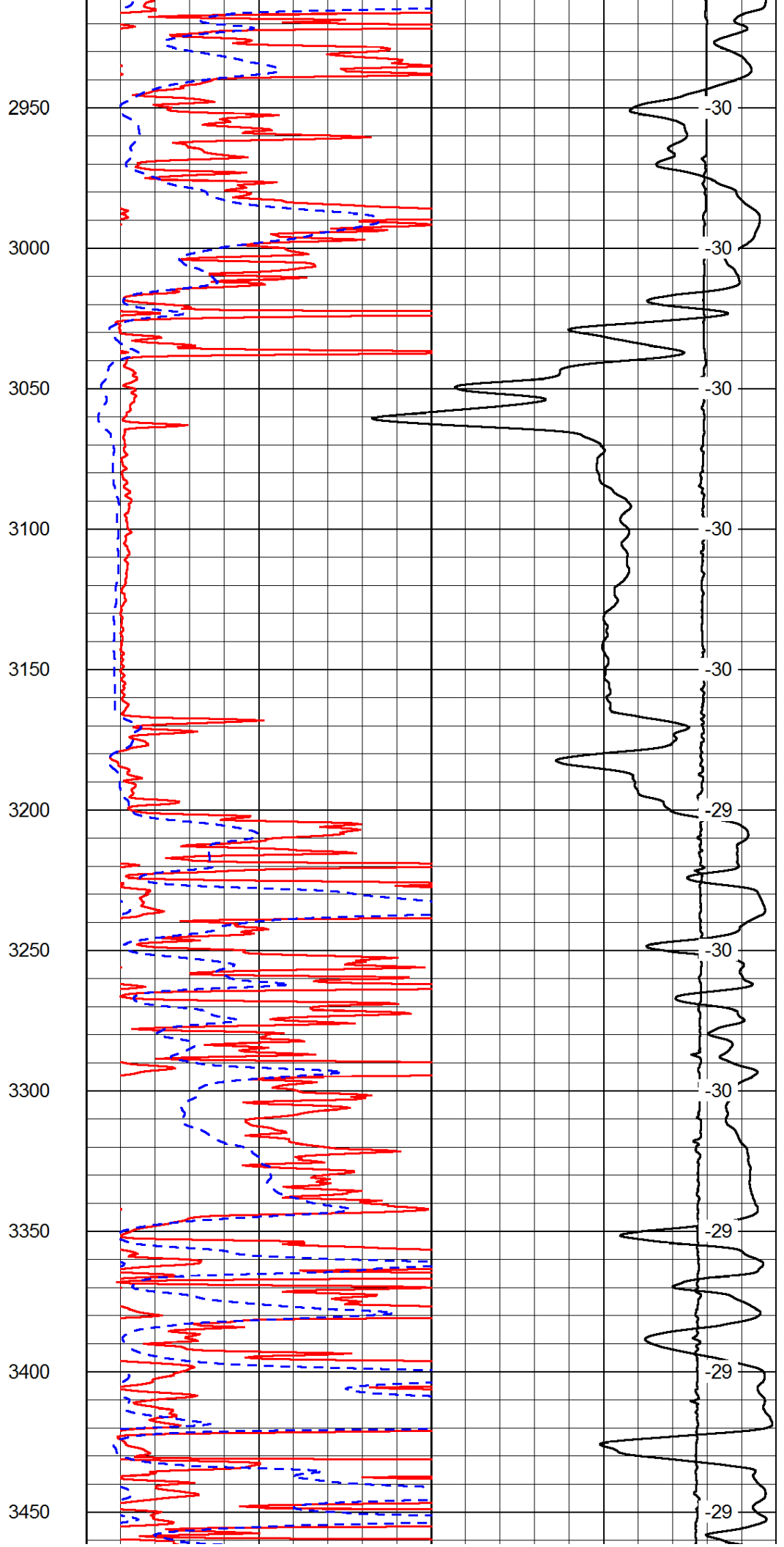
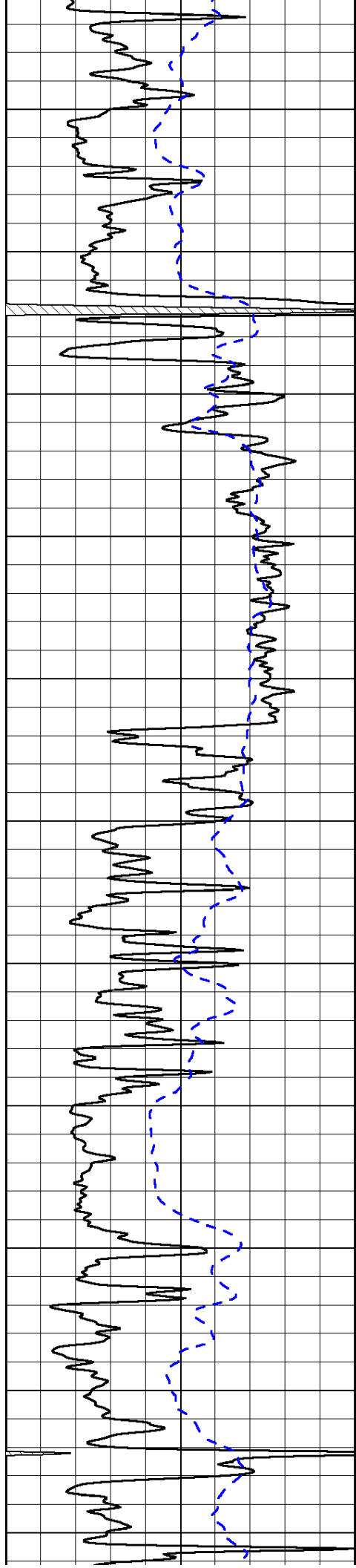


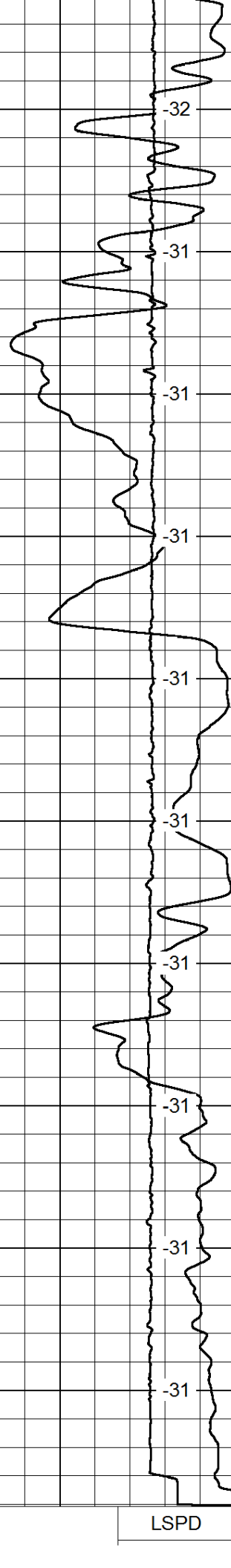
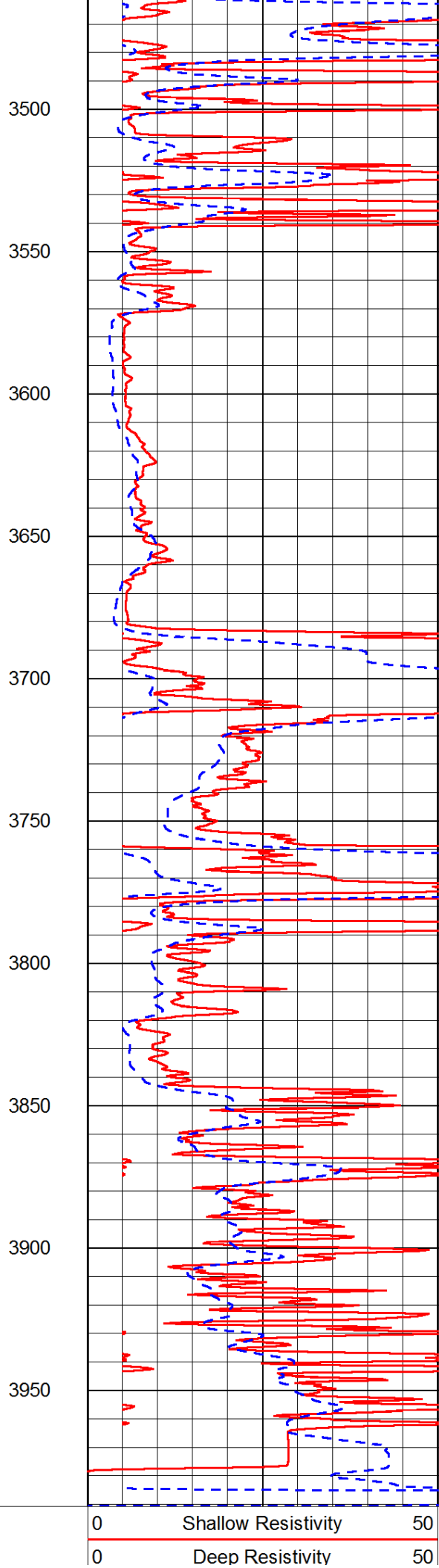
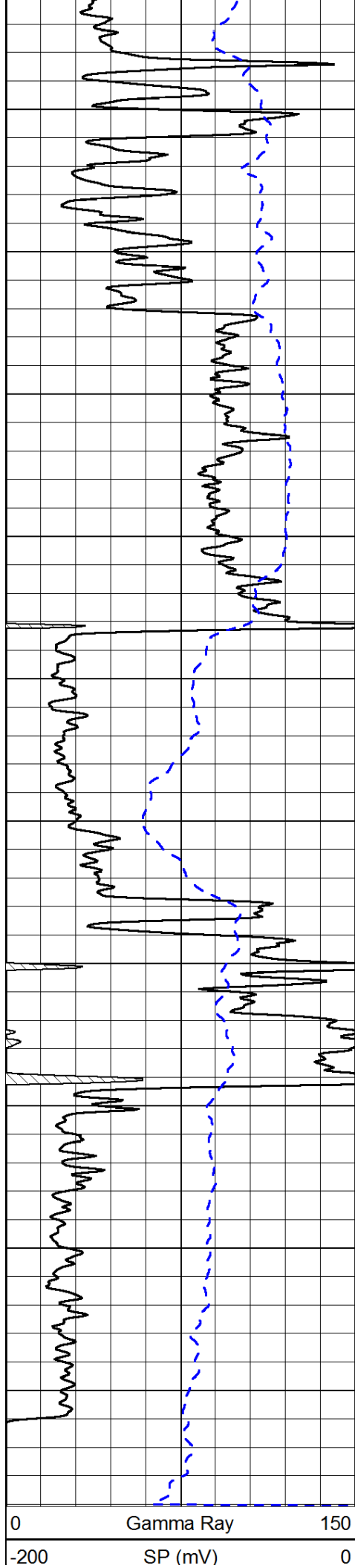












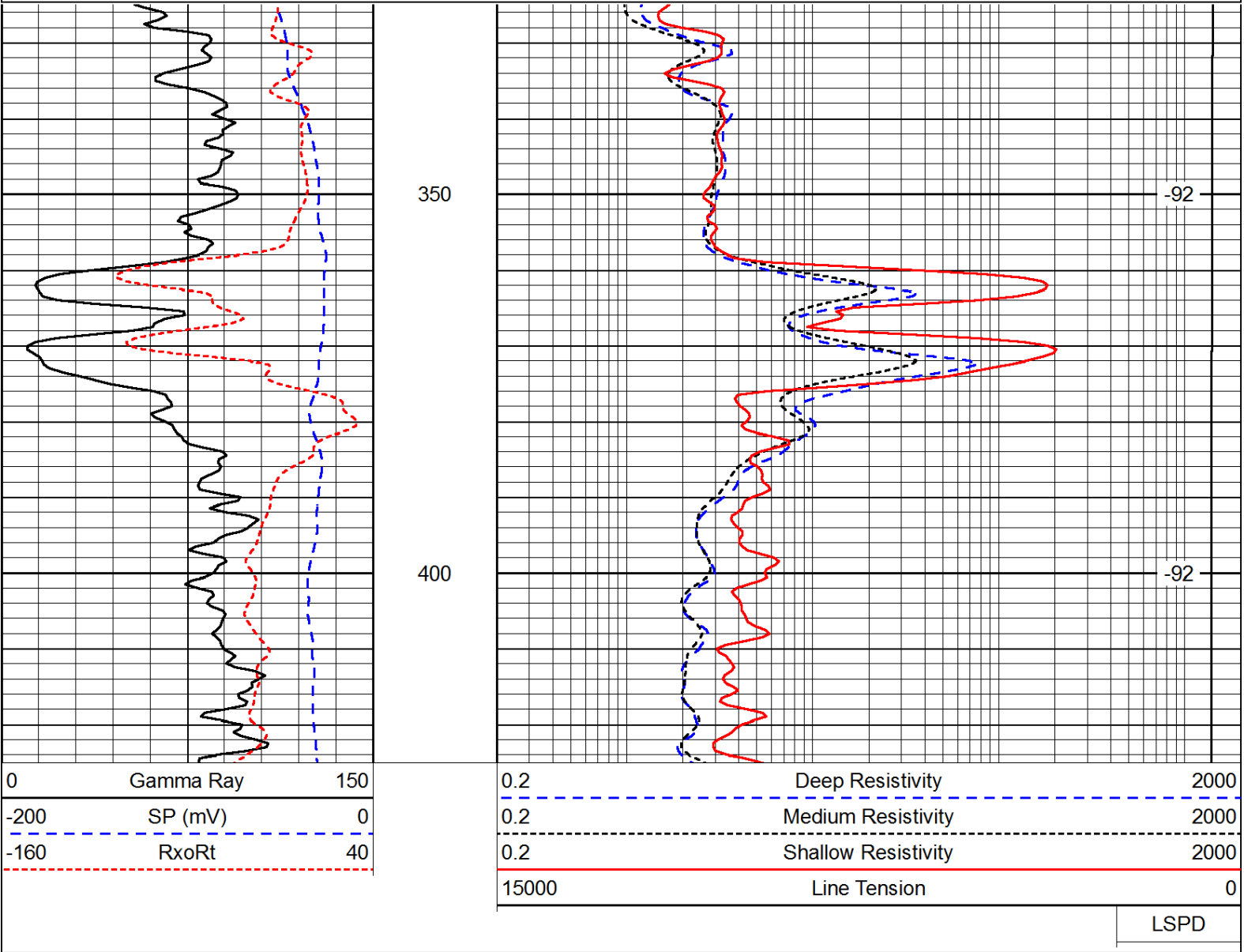
	1000	Conductivity	0
	15000	Line Tension	0
	50	Shallow Resistivity	500
	50	Deep Resistivity	500

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Dataset Pathname:	DIL/carstk
Presentation Format:	dil
Dataset Creation:	Tue Oct 29 00:32:15 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

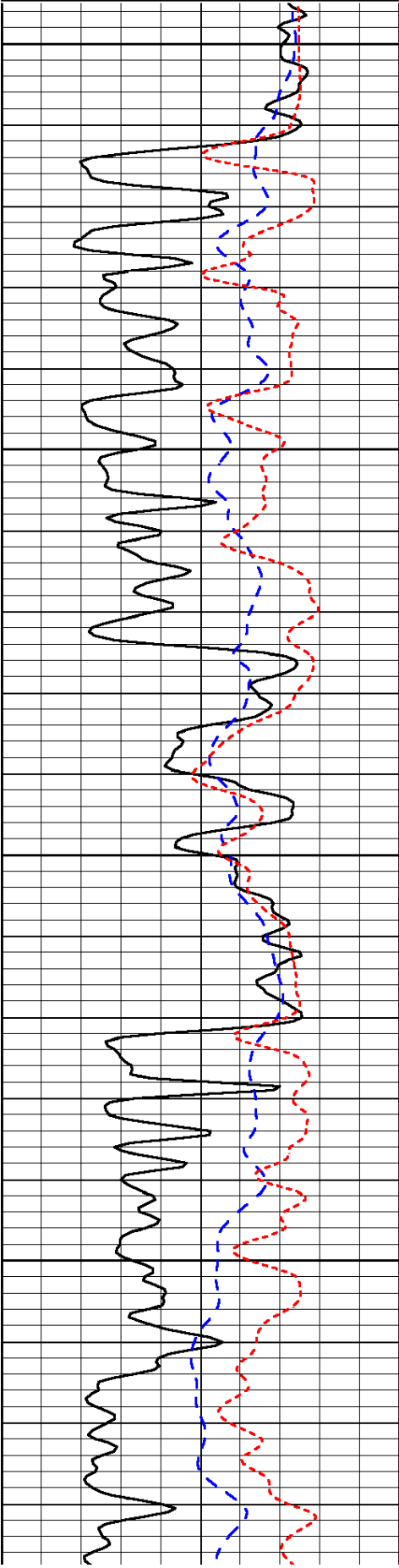


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0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD

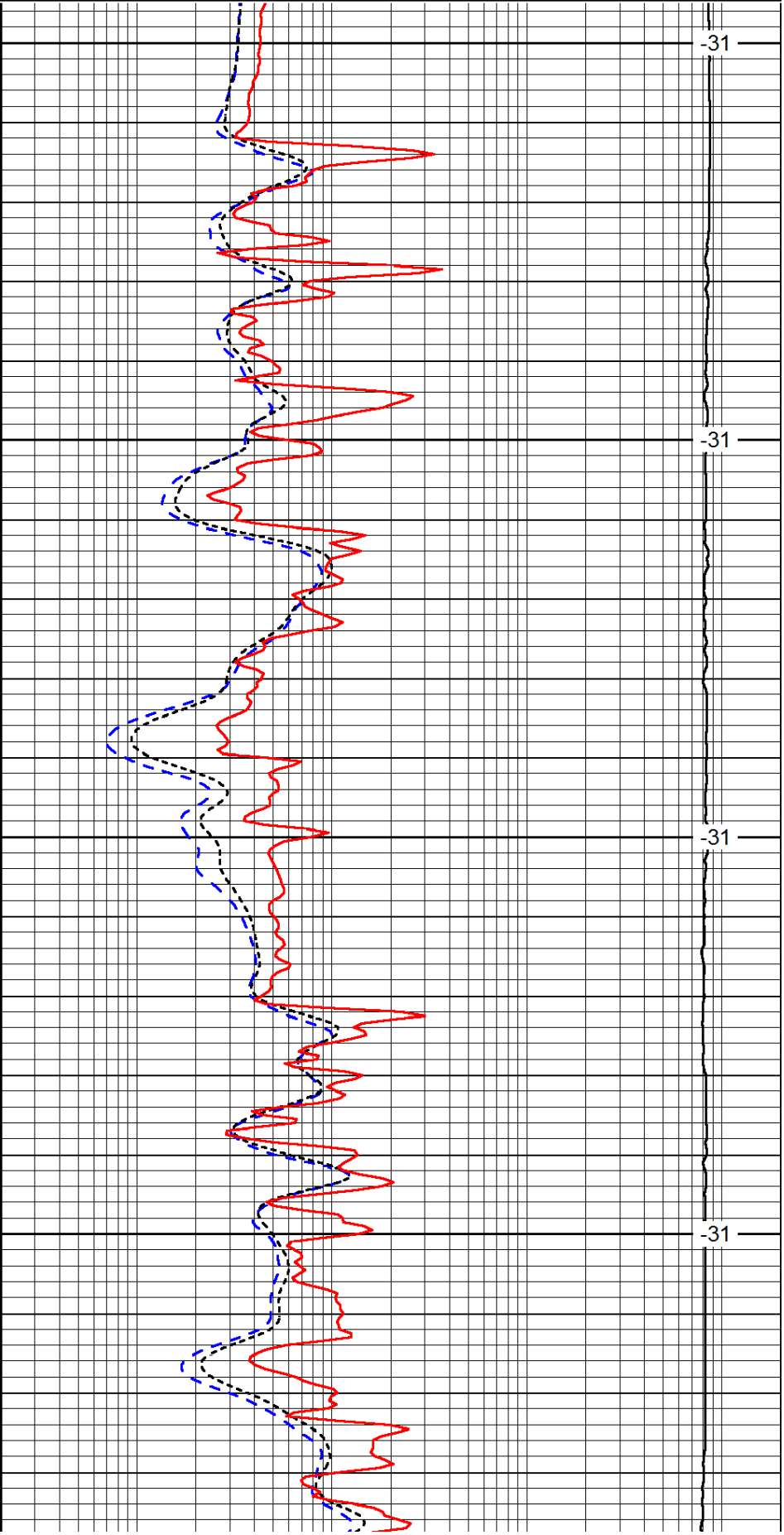


2600

2650

2700

2750

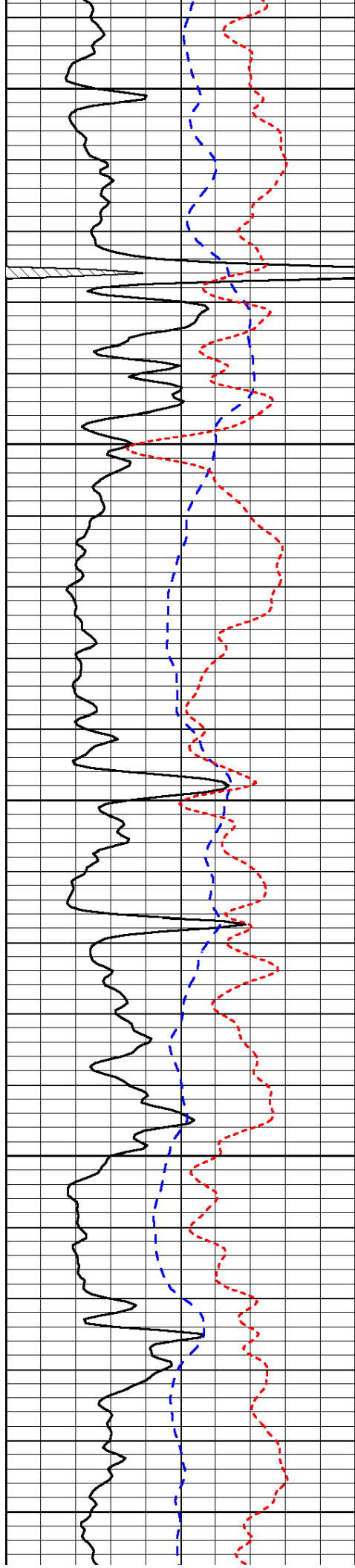


-31

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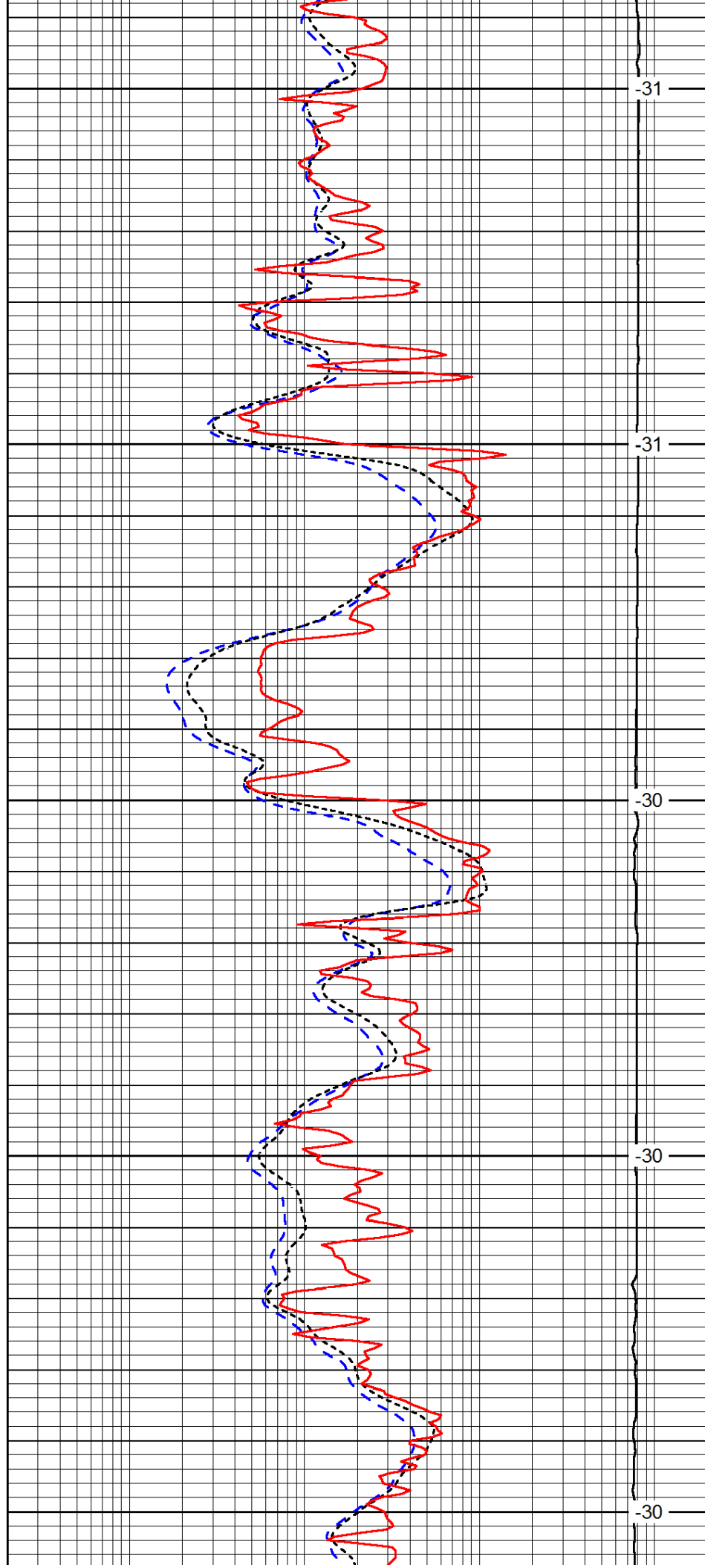
2800

2850

2900

2950

3000



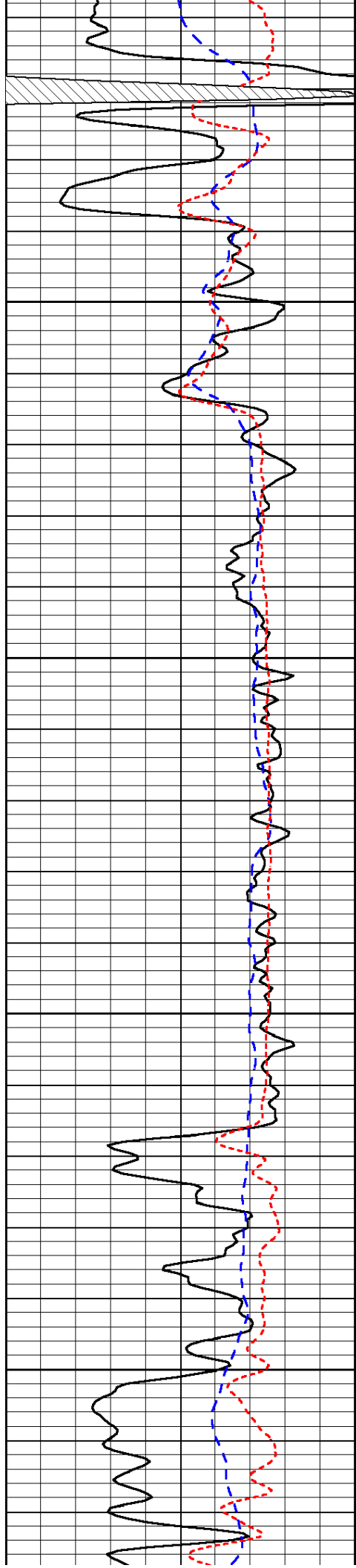
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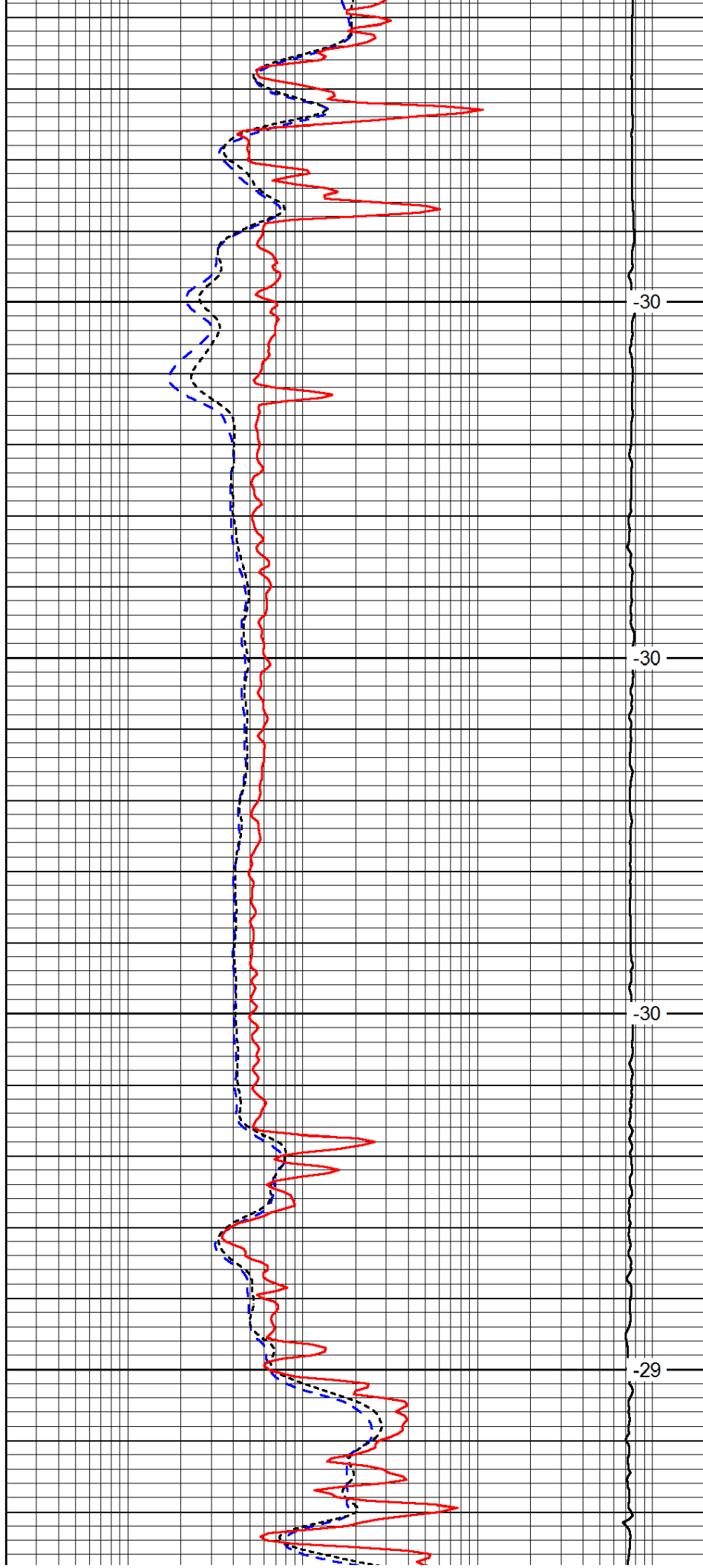


3050

3100

3150

3200

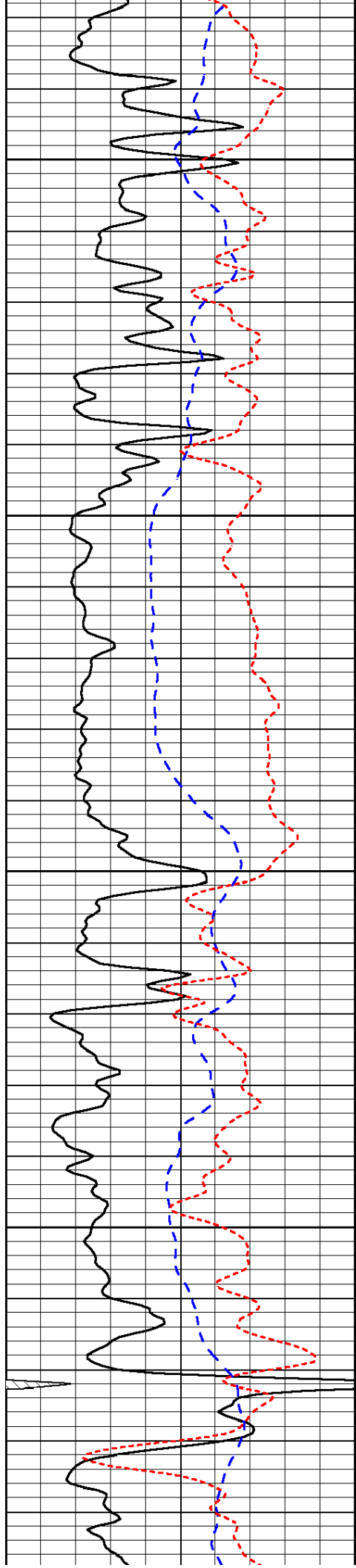


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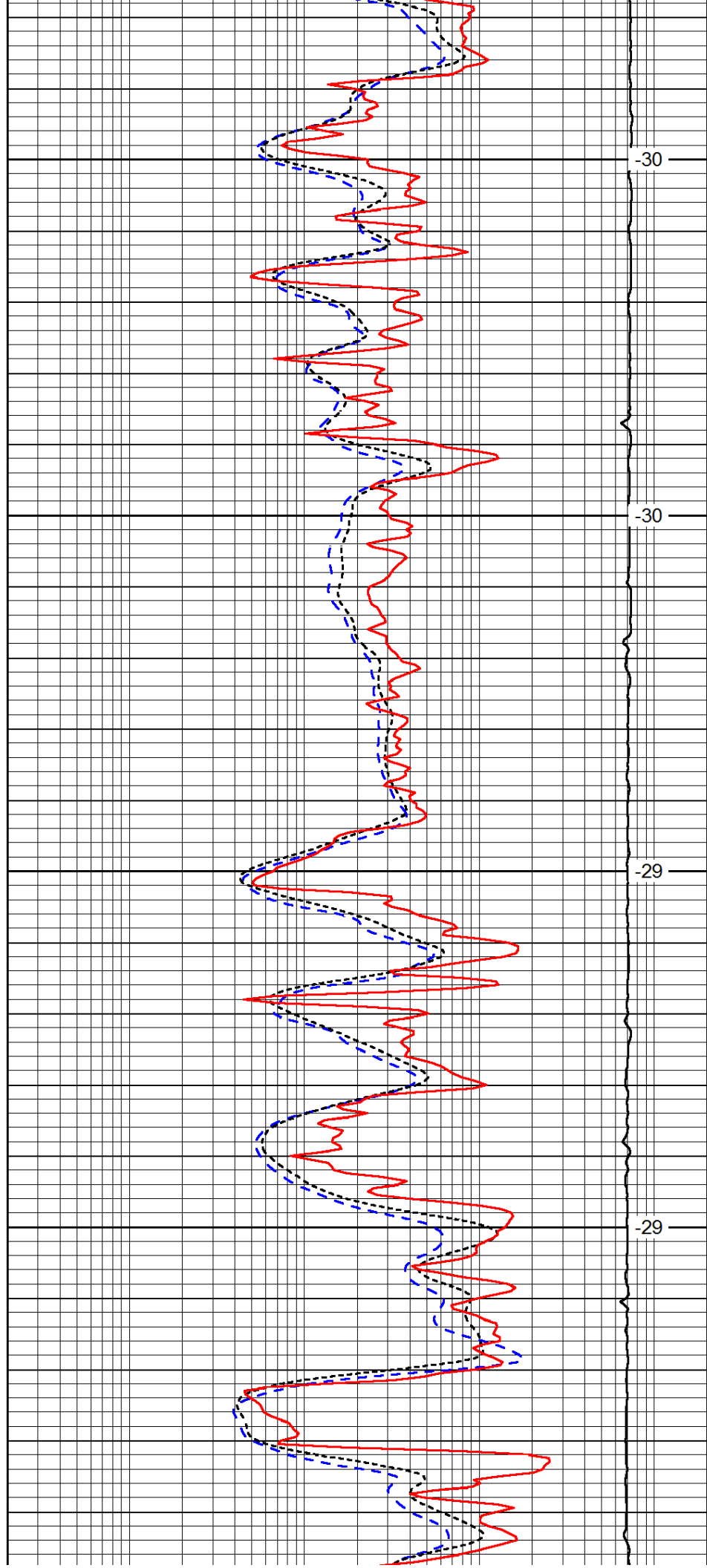


3250

3300

3350

3400

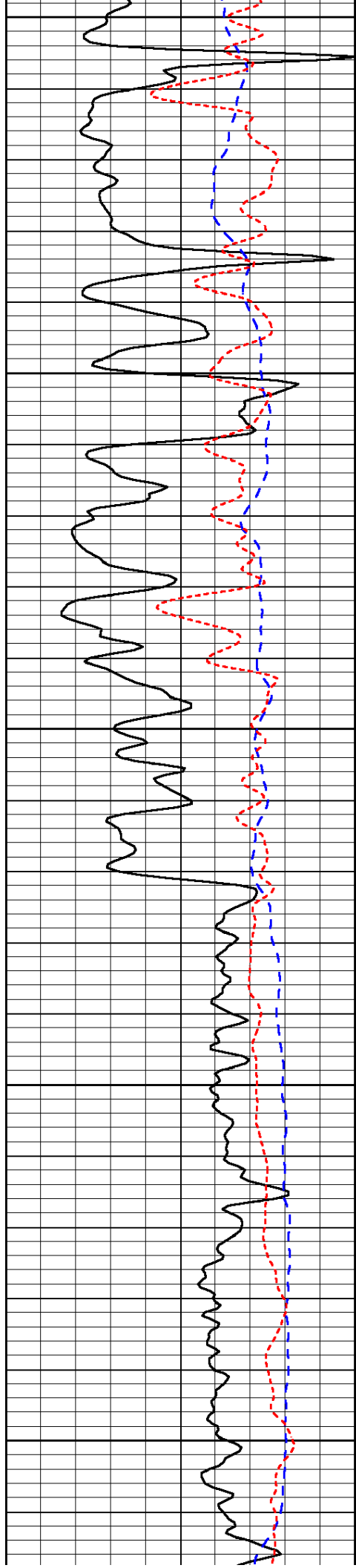


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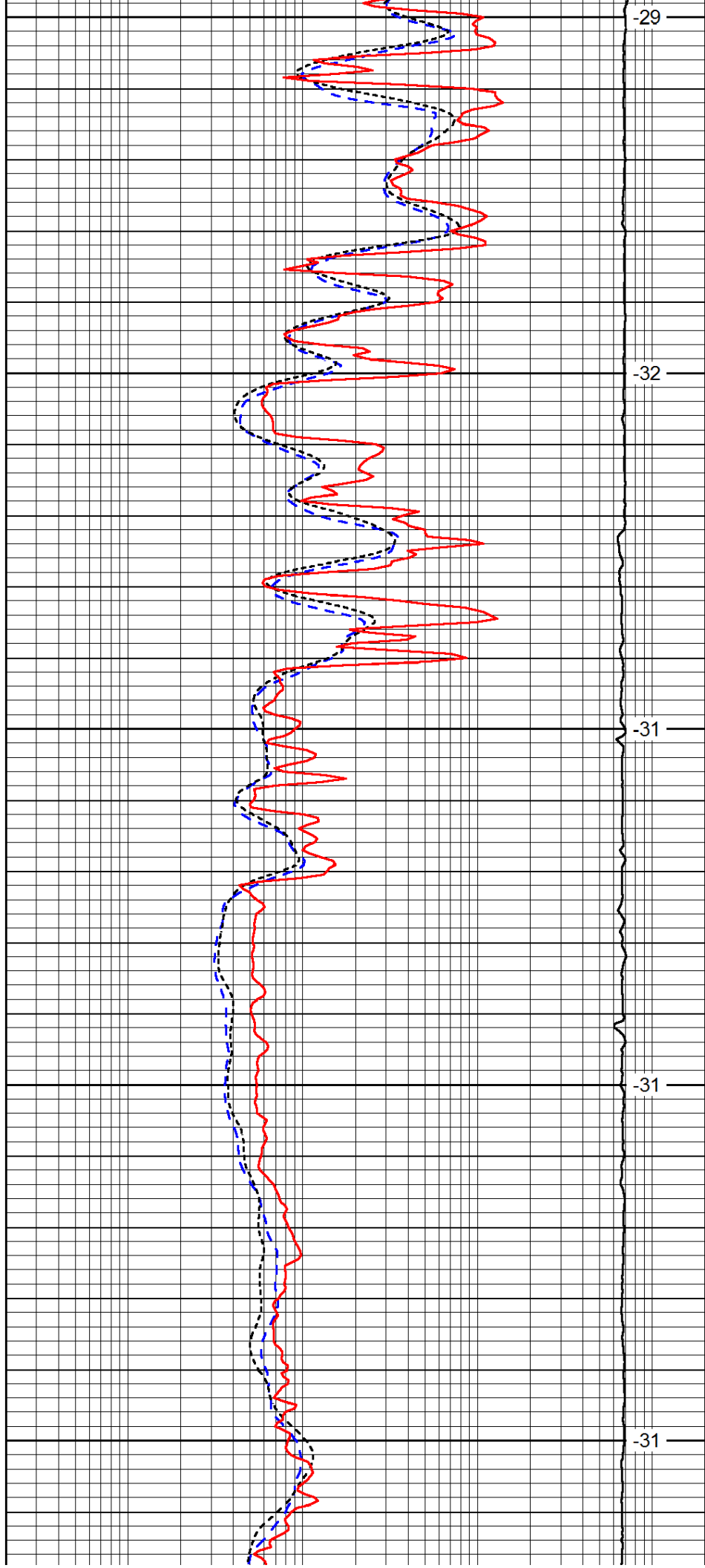
3450

3500

3550

3600

3650



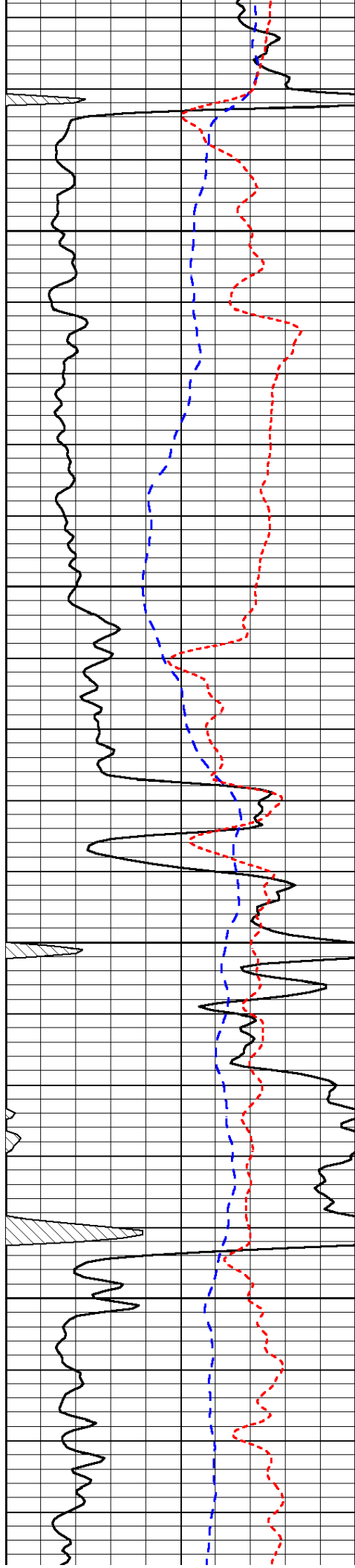
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-31

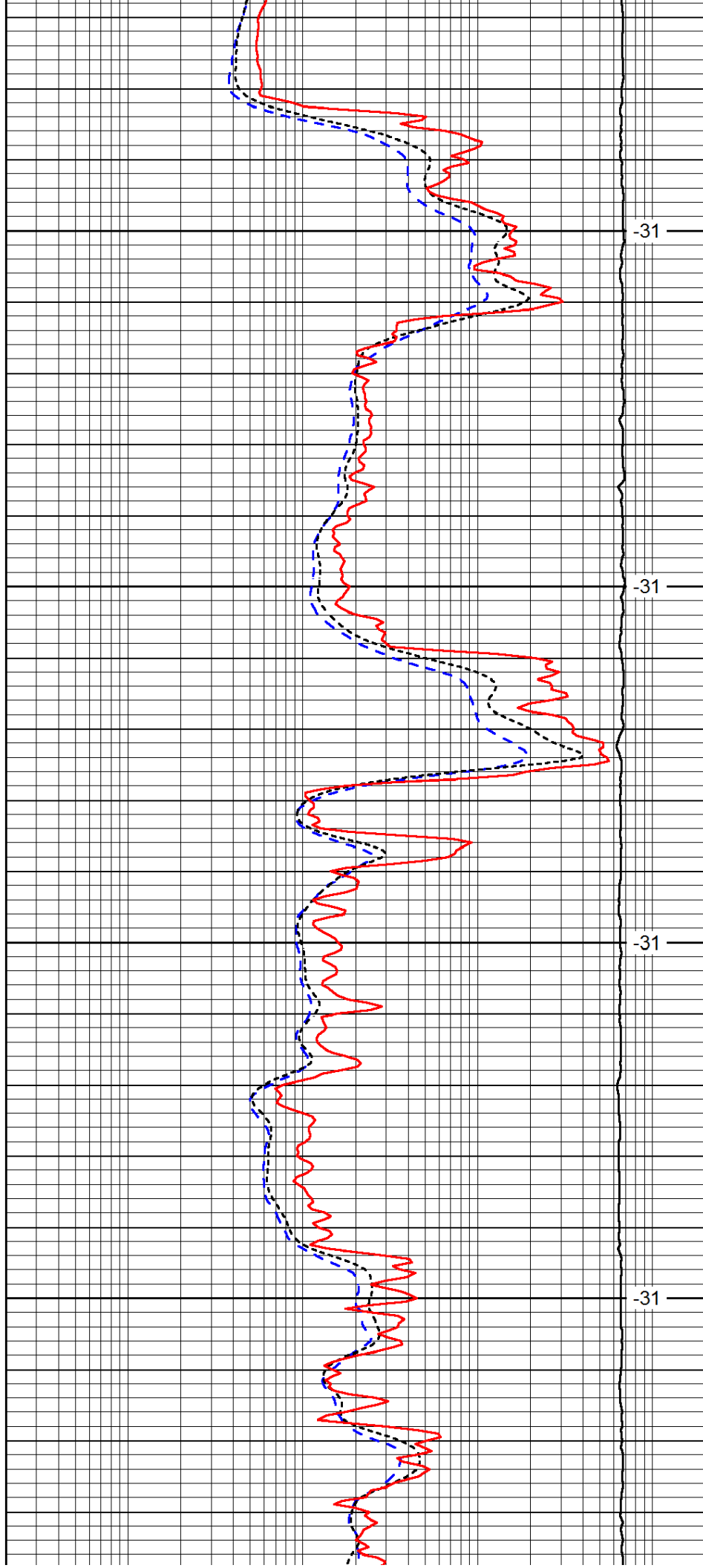


3700

3750

3800

3850



-31

-31

-31

-31

