

LOG-TECH



Dual Induction Log

DIGITAL LOG

(785) 625-3858

15-169-20,328-00-00

API No.

Company BOP West, LLC

Well Lyle Swisher No. 1

Field Hunter North

County Saline State Kansas

Location C, SW, NW, NW

990' FNL & 330' FWL

Sec: 8 Twp: 16 S Rge: 1 W

Permanent Datum Ground Level Elevation 1308
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
Elevation
K.B. 1317
D.F. 1308
G.L. 1308

Date 10/29/2011

Run Number One

Depth Driller 2735

Depth Logger 2738

Bottom Logged Interval 2737

Top Log Interval 200

Casing Driller 8.625 @ 212

Casing Logger 214

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 1.500

Density / Viscosity 9.3 49

pH / Fluid Loss 9.0 11.6

Source of Sample Flowline

Rm @ Meas. Temp 1.4 @ 50

Rmf @ Meas. Temp 1.05 @ 50

Rmc @ Meas. Temp 1.89 @ 50

Source of Rmf / Rmc Charts

Rm @ BHT .68 @ 103

Operating Rig Time 2 Hours

Max Rec. Temp. F 103

Equipment Number 17

Location Hays

Recorded By D. Martin

Witnessed By Frank Mize

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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

Gypsum, KS
Hwy 4, 2 W to Whitmore Rd., 2 1/4 S, E Into

Database File: bophd.db
Dataset Pathname: DIL/bopstk
Presentation Format: dil2in
Dataset Creation: Sat Oct 29 07:25:20 2011
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
-200	SP	0

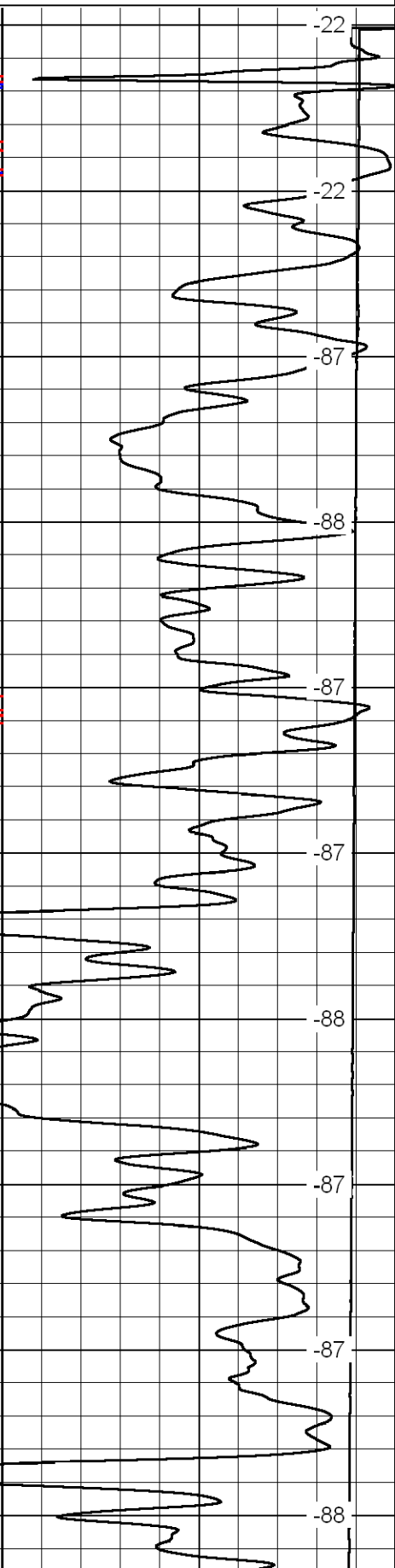
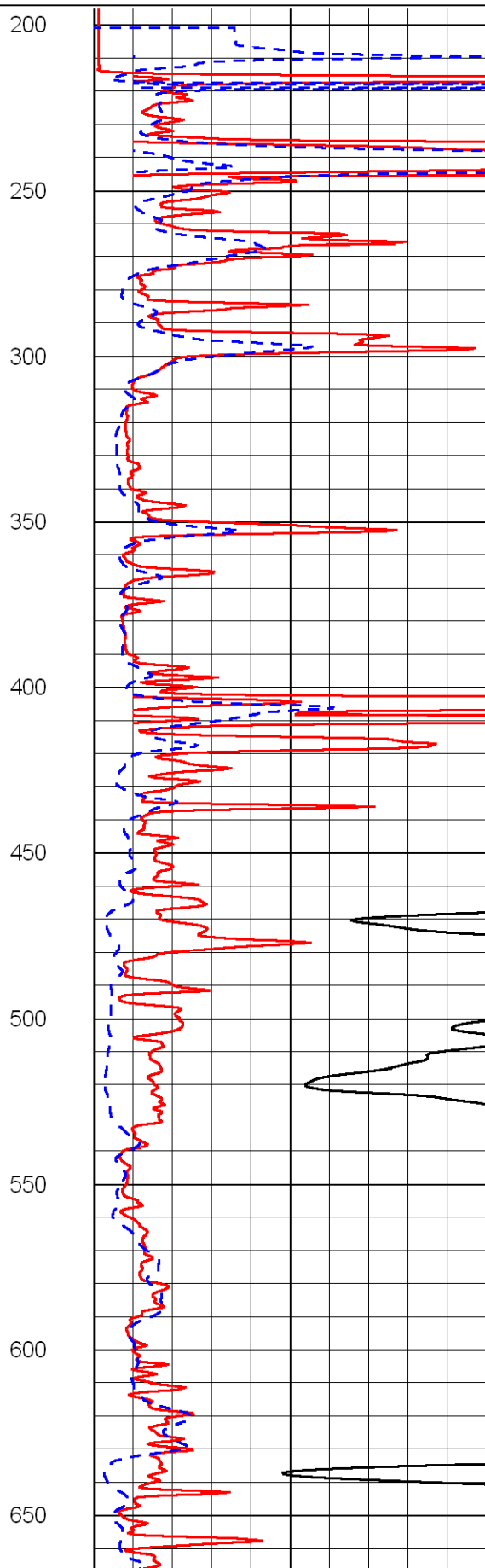
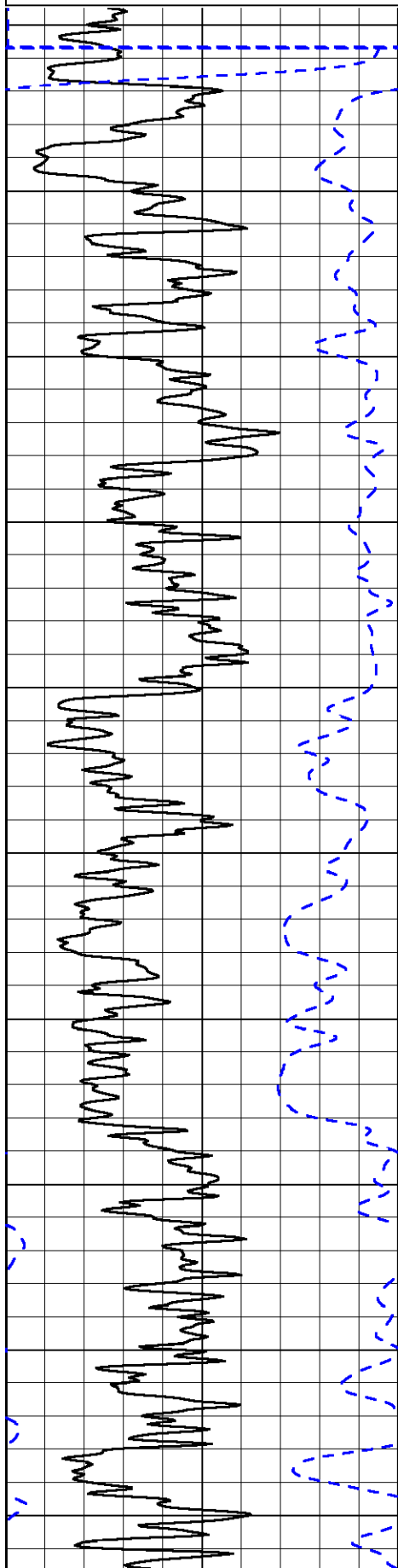
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0	Deep Resistivity	50

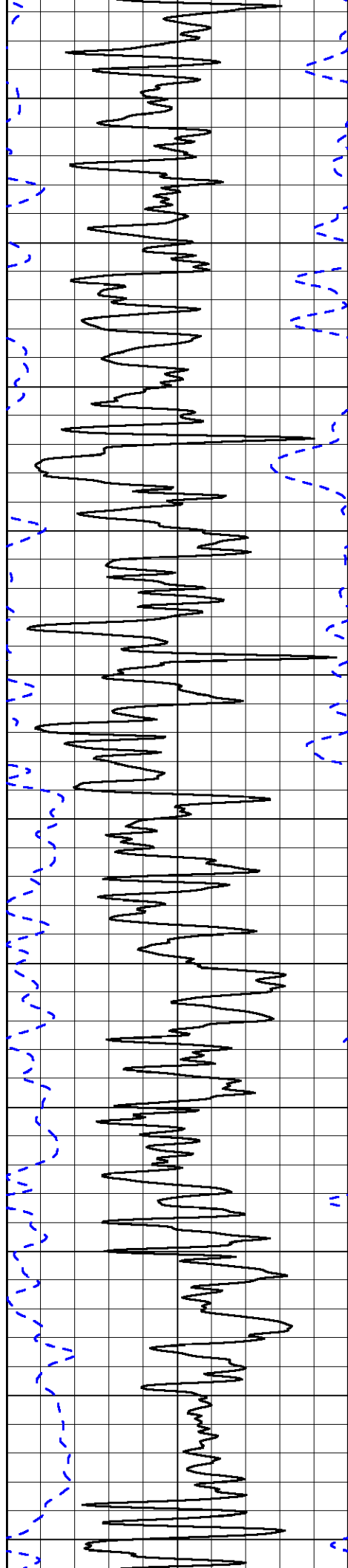
LSPD

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





700

750

800

850

900

950

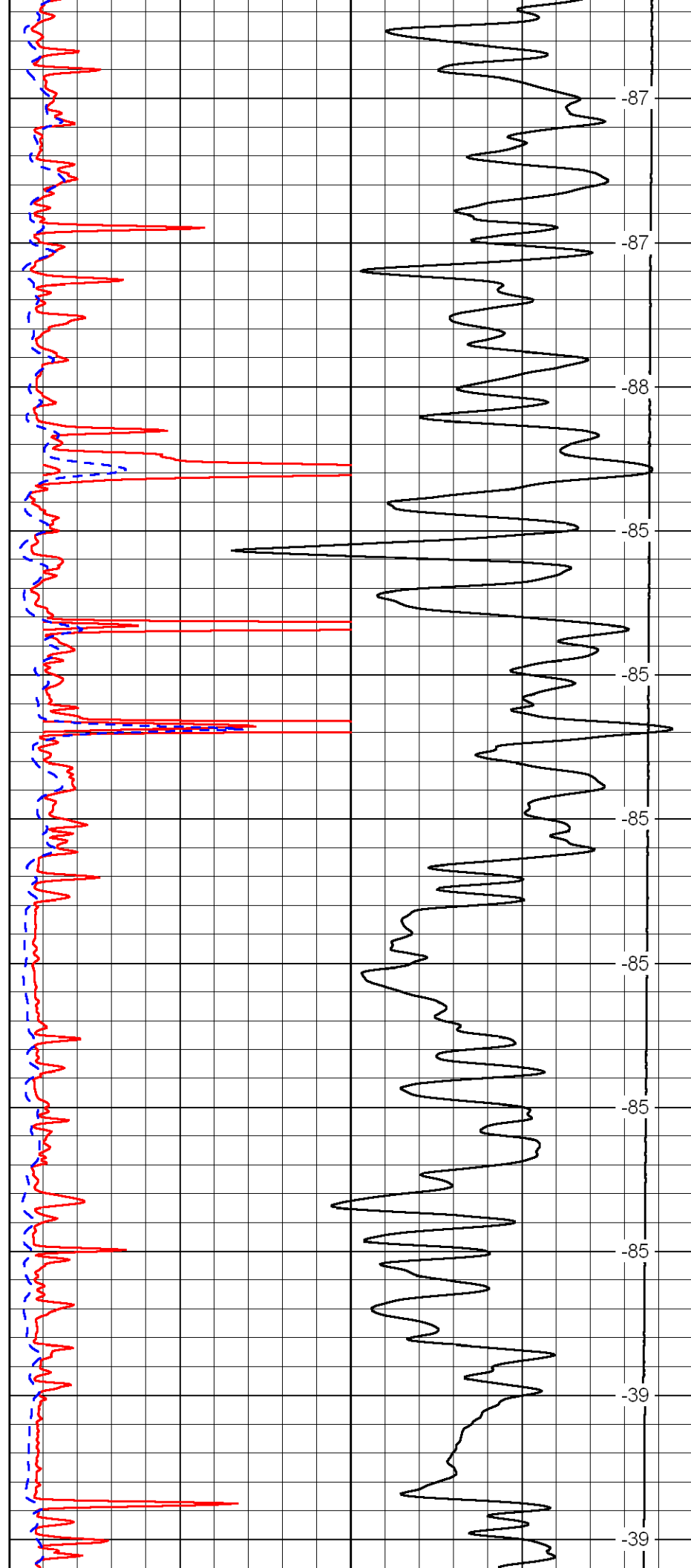
1000

1050

1100

1150

1200



-87

-87

-88

-85

-85

-85

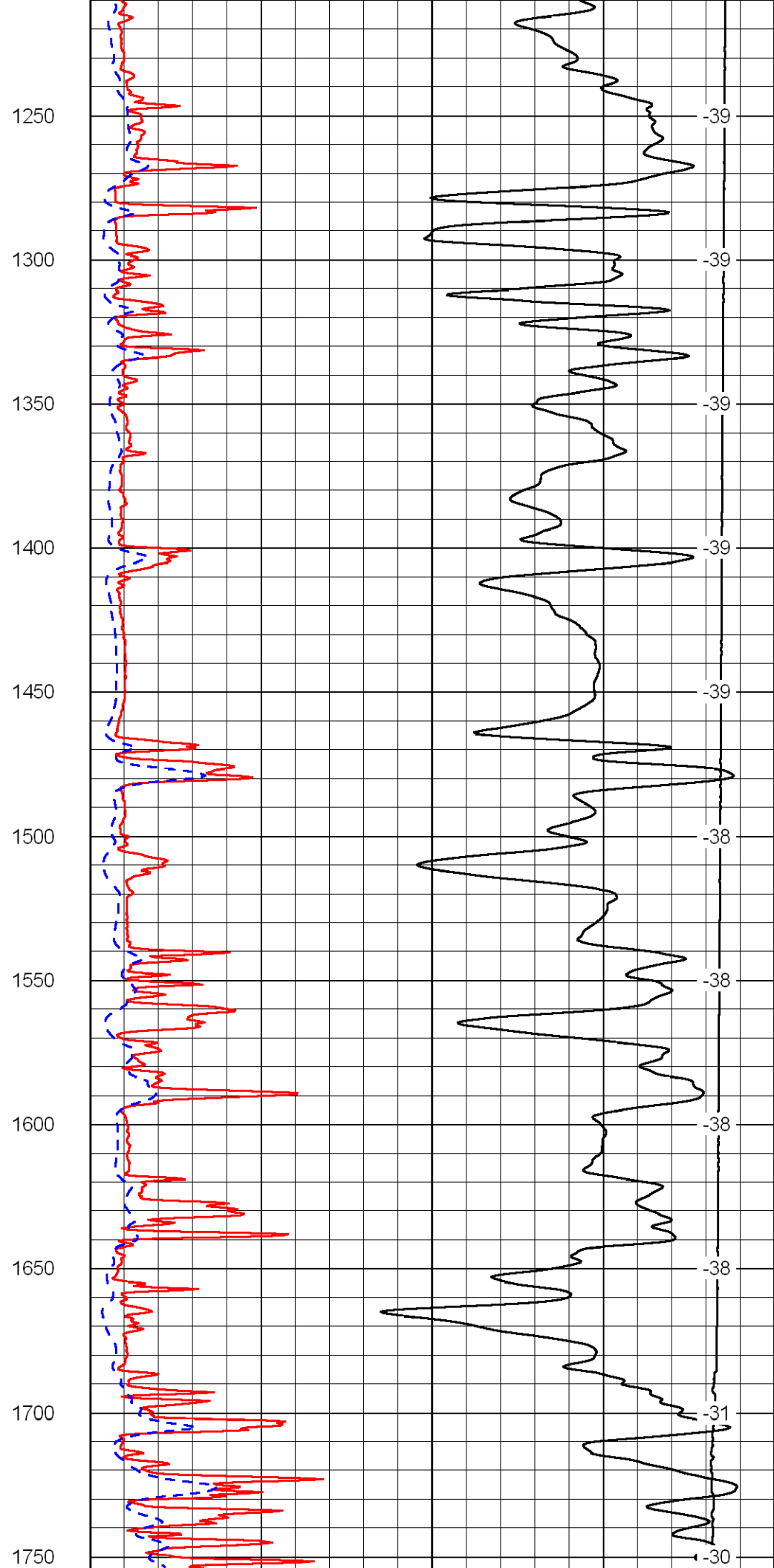
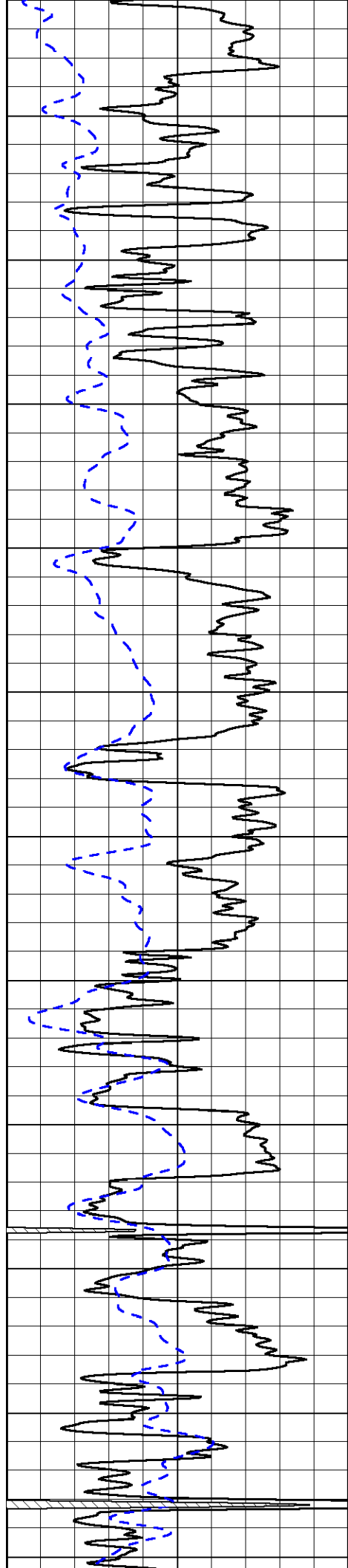
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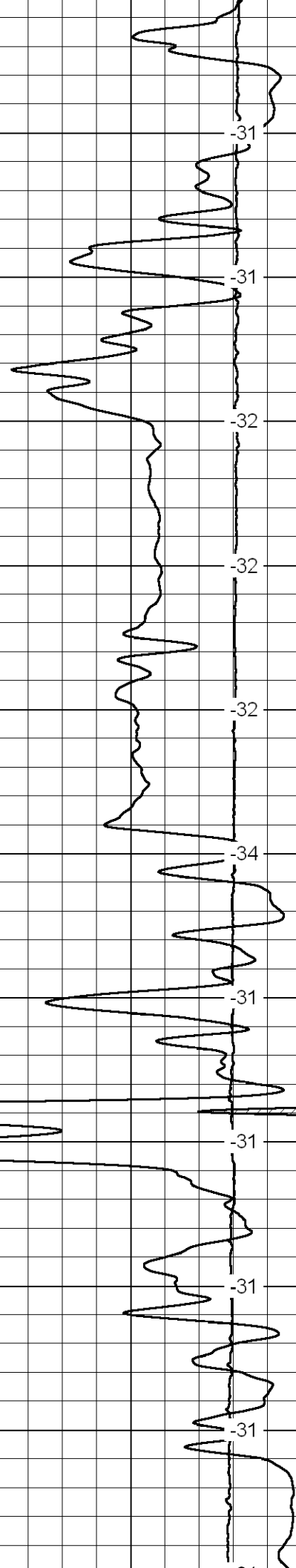
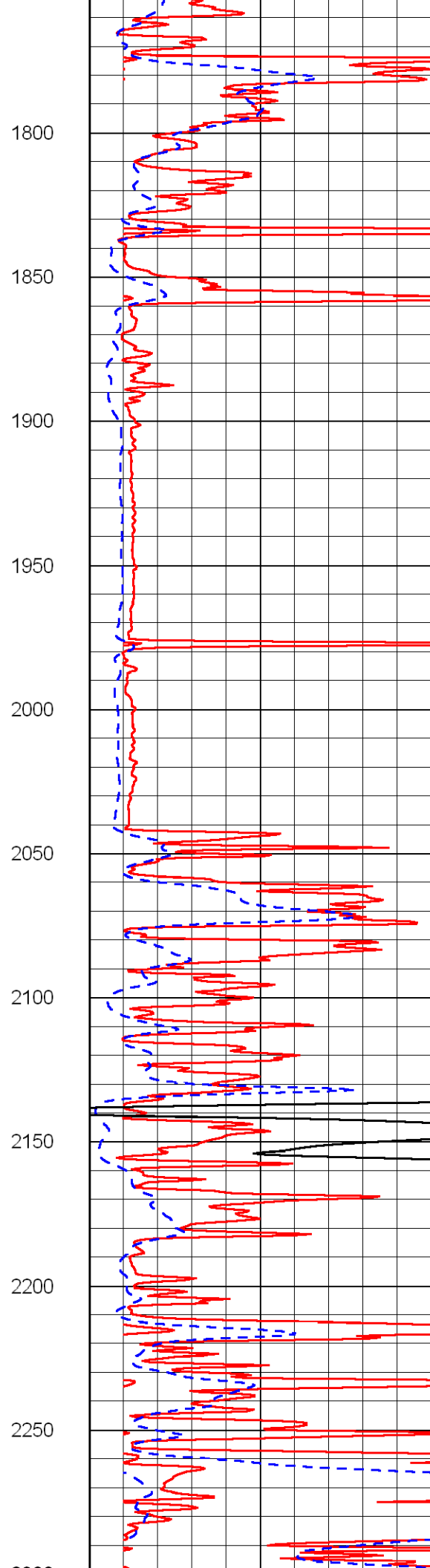
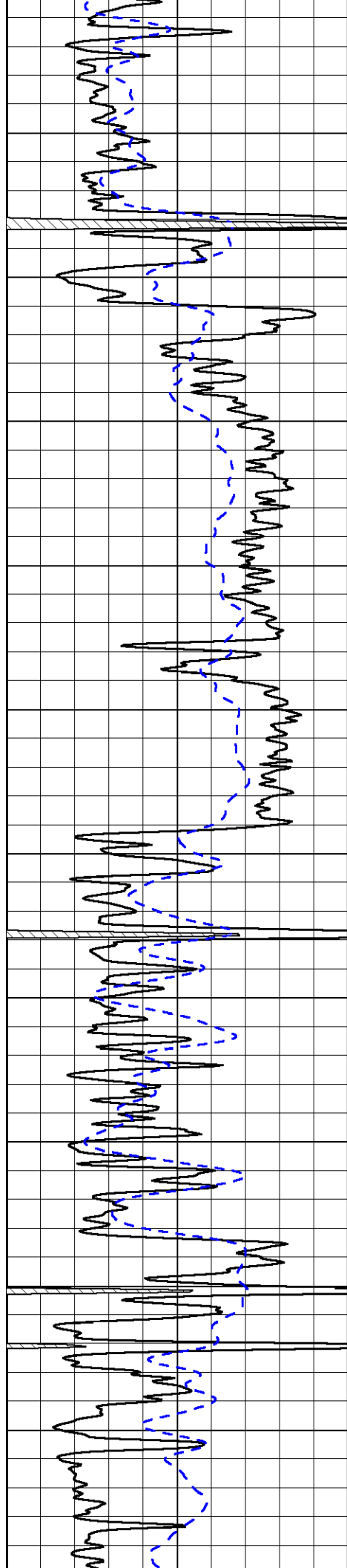
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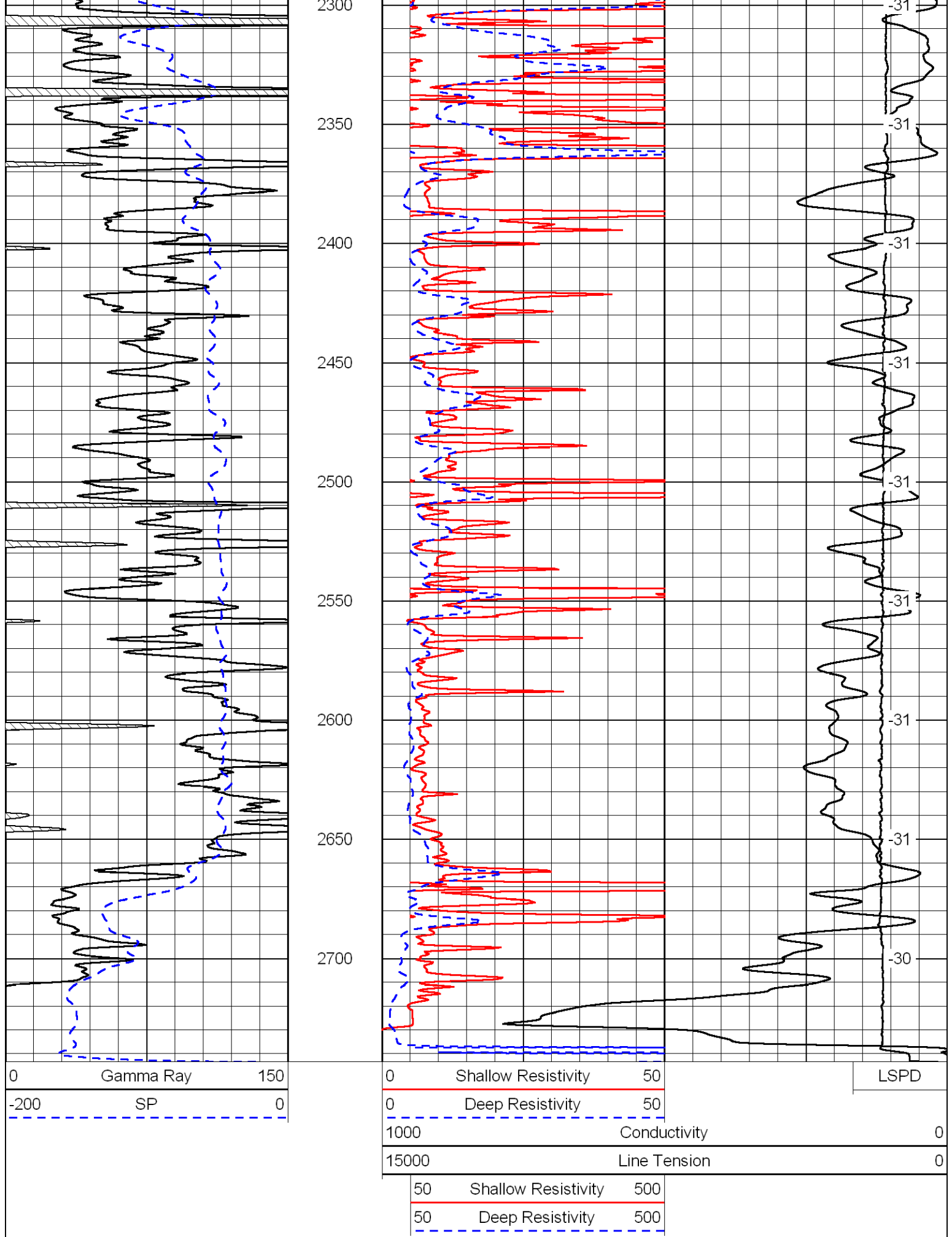
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-39

-39





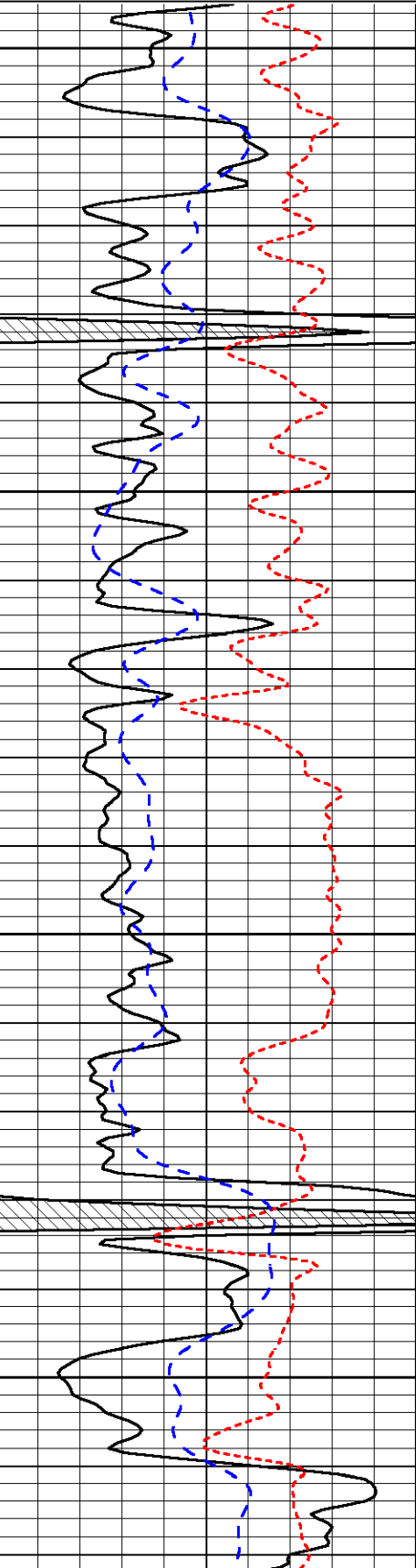


Dataset Pathname: DIL/bopstk
Presentation Format: dil
Dataset Creation: Sat Oct 29 07:25:20 2011
Charted by: Depth in Feet scaled 1:240

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

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

LSPD

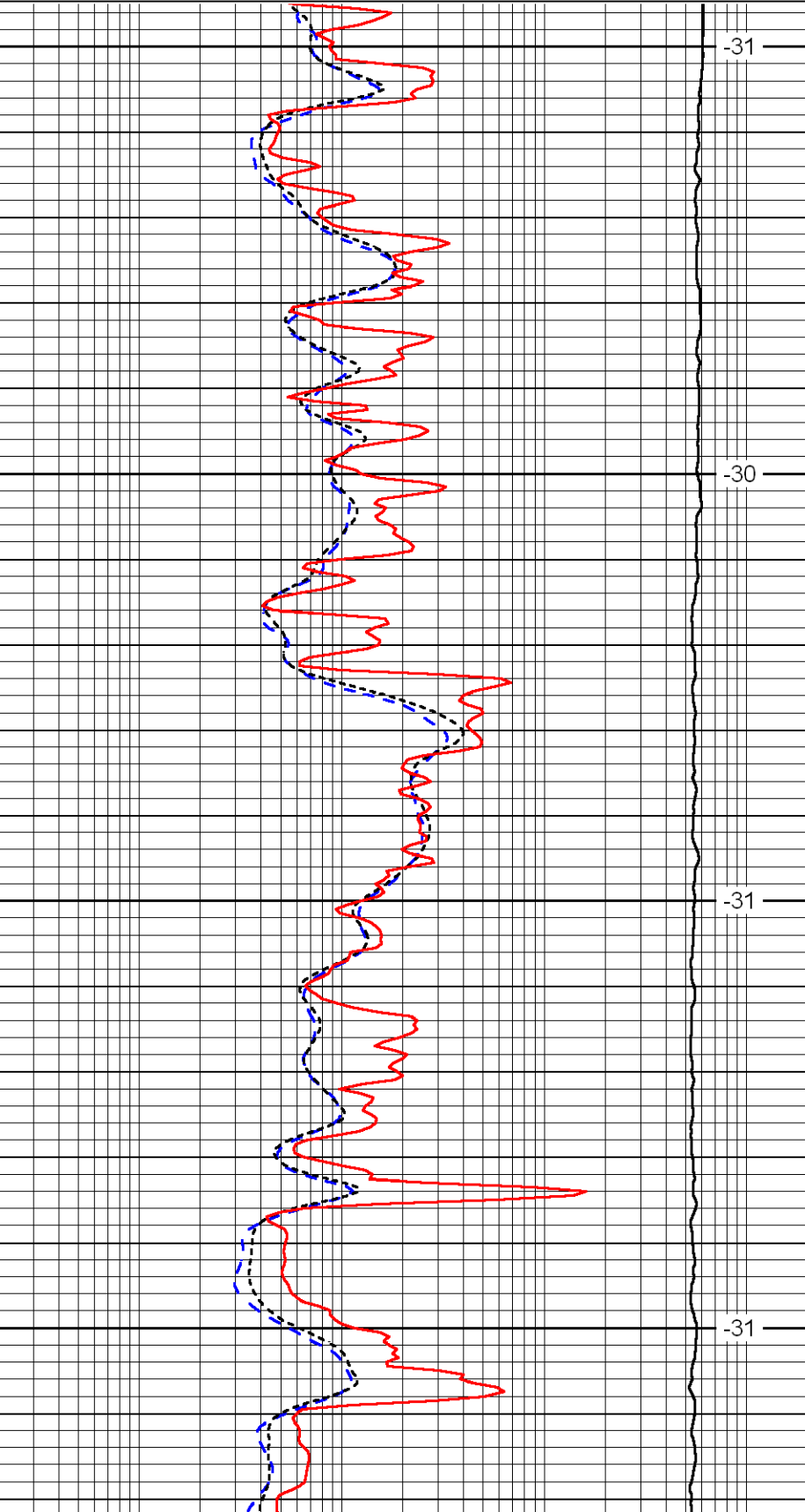


1700

1750

1800

1850

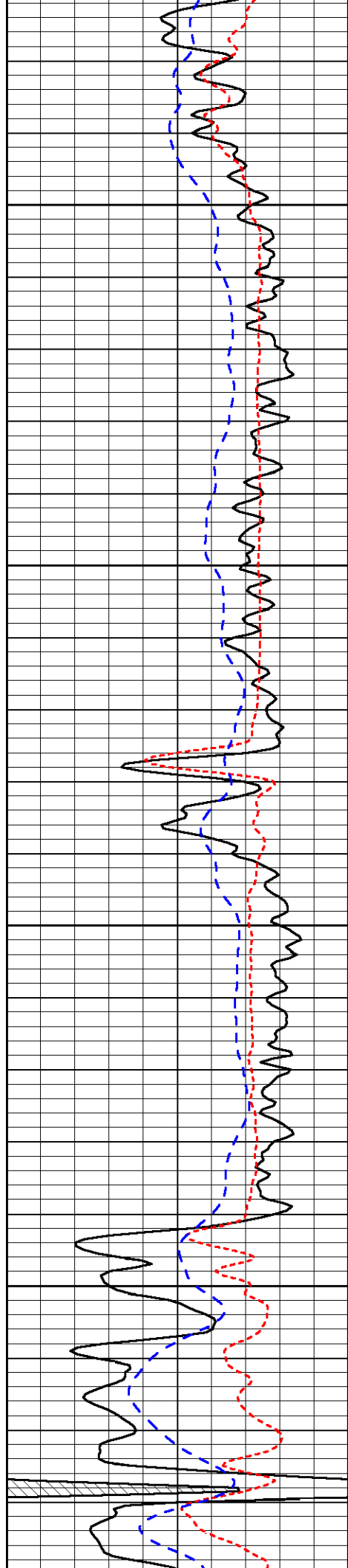


-31

-30

-31

-31

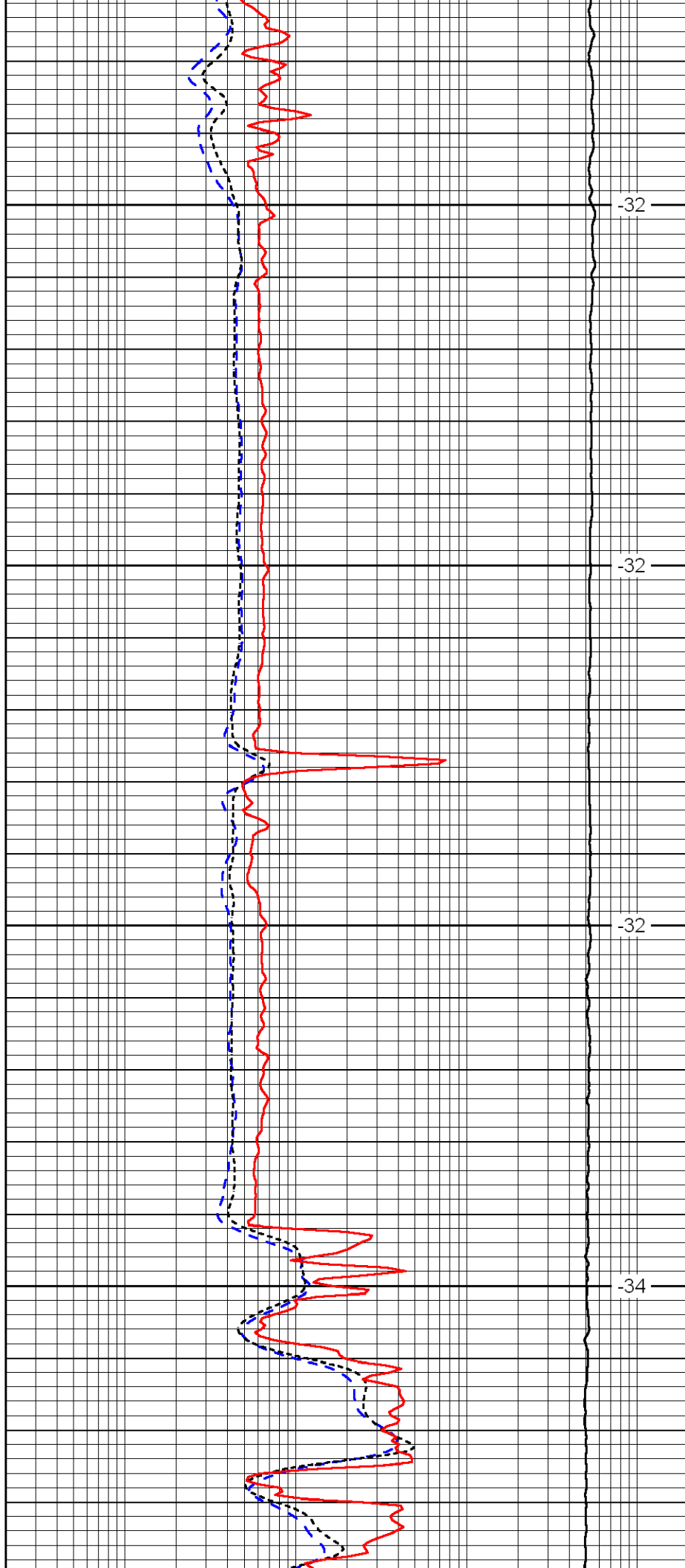


1900

1950

2000

2050

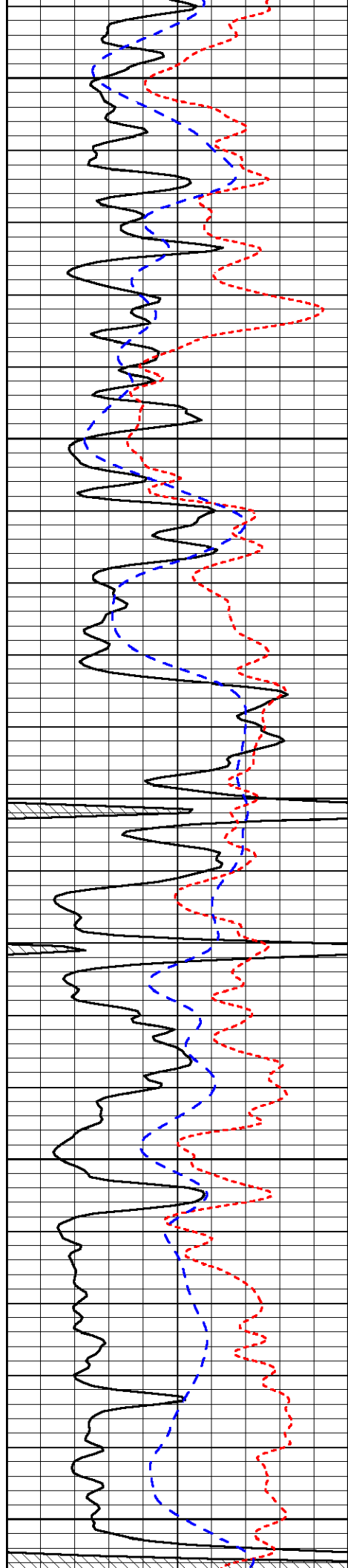


-32

-32

-32

-34



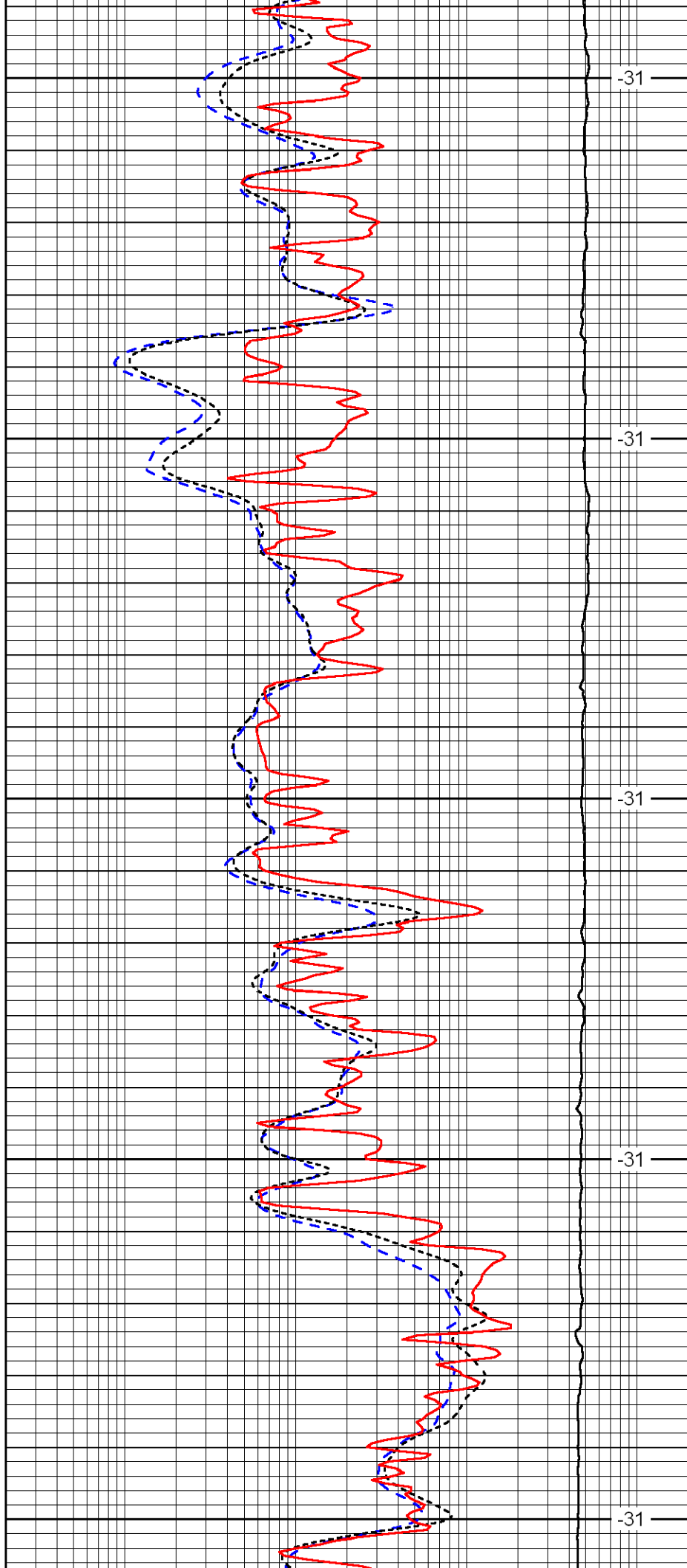
2100

2150

2200

2250

2300



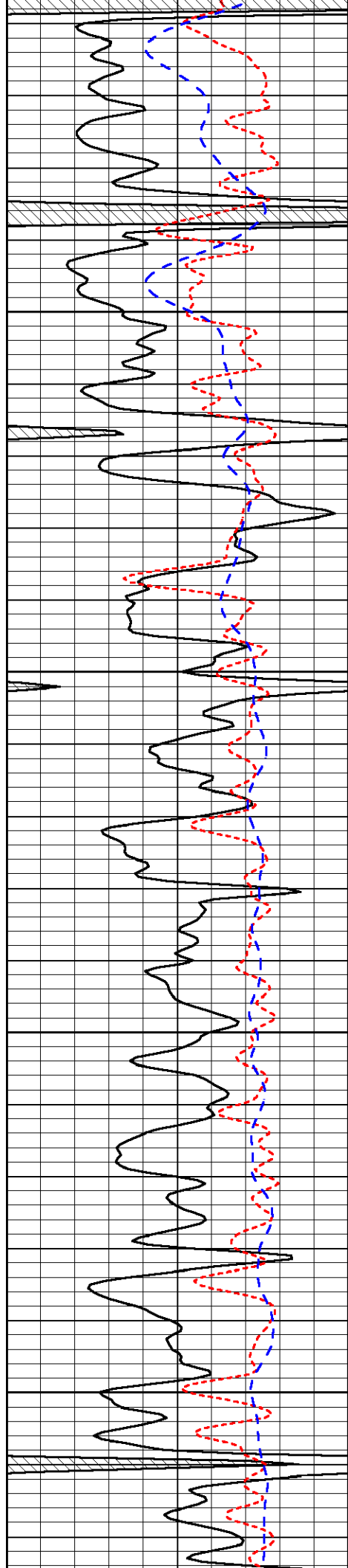
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-31

-31

-31

-31

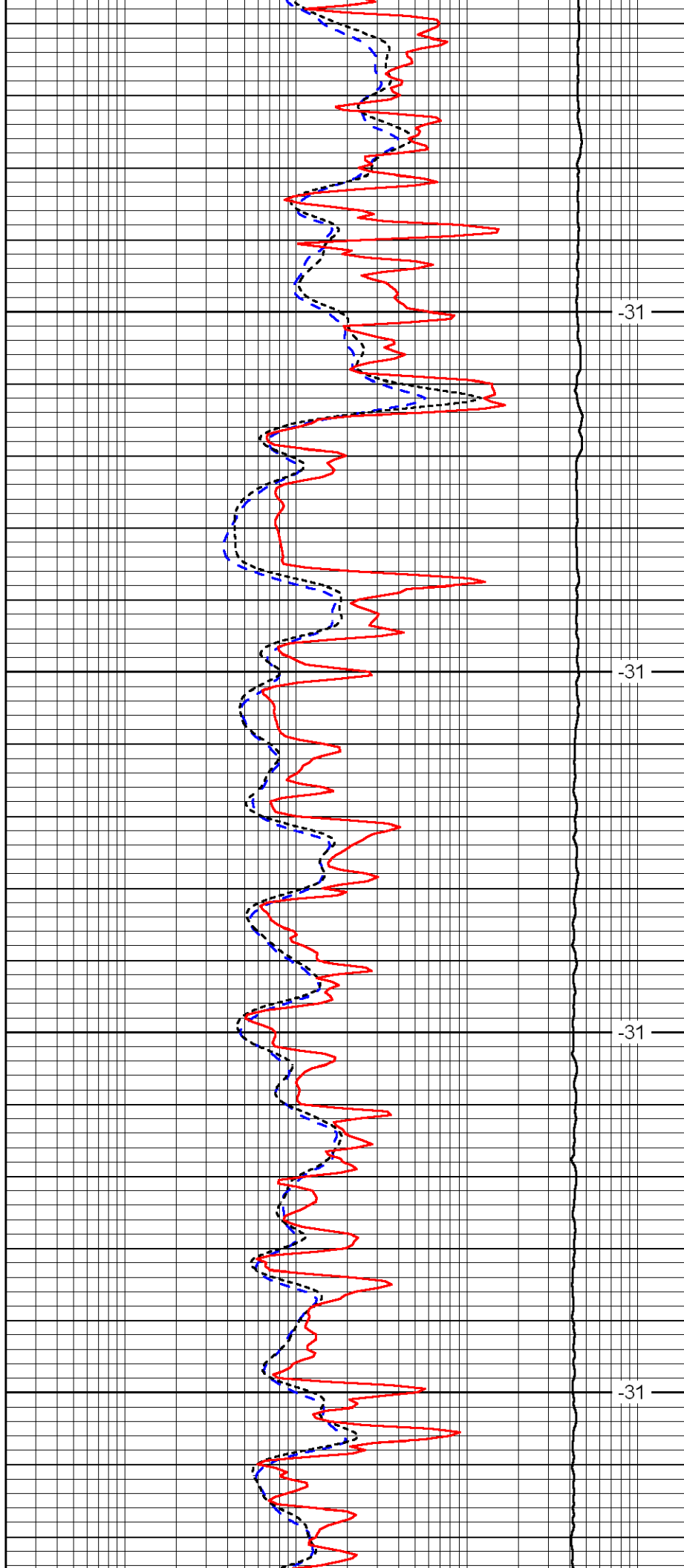


2350

2400

2450

2500

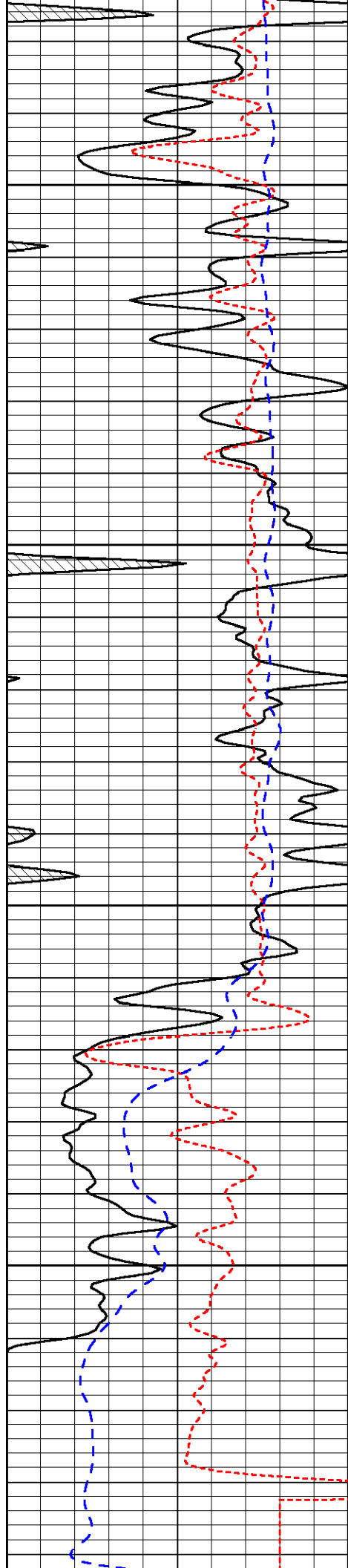


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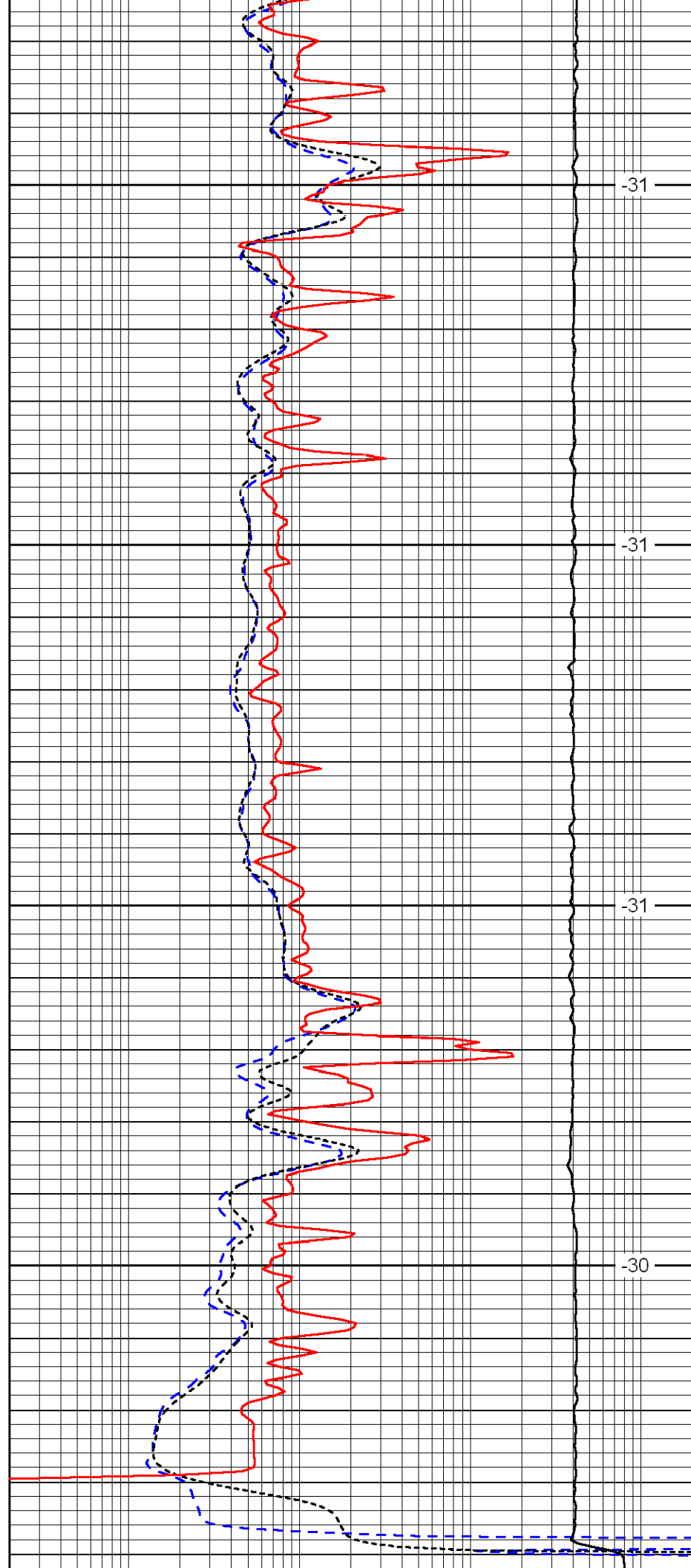


2550

2600

2650

2700



-31

-31

-31

-30

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

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