

LOG-TECH



Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No.

15-167-23,764-00-00

Company JAG Operations, Inc.

Well Haines No. 1

Field Gorham

County Russell State

Kansas

Location

1585' FNL & 1445' FEL

Sec: 25 Twp: 13 S Rge: 15 W

Other Services
CNL/CDL
MEL/BHCS

Permanent Datum Ground Level Elevation 1871

Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum

K.B. 1881
D.F. 1871
G.L. 1871

Date 2/13/2012

Run Number One

Depth Driller 3390

Depth Logger 3390

Bottom Logged Interval 3389

Top Log Interval 200

Casing Driller 8.625 @ 220

Casing Logger 221

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 5.000

Density / Viscosity 9.2 48

pH / Fluid Loss 9.5 8.8

Source of Sample Flowline

Rm @ Meas. Temp .85 @ 55

Rmf @ Meas. Temp .64 @ 55

Rmc @ Meas. Temp 1.15 @ 55

Source of Rmf / Rmc Charts

Rm @ BHT .42 @ 112

Operating Rig Time 4 1/2 Hours

Max Rec. Temp. F 112

Equipment Number 91

Location Hays

Recorded By K. Bange

Witnessed By Mike Bair

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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

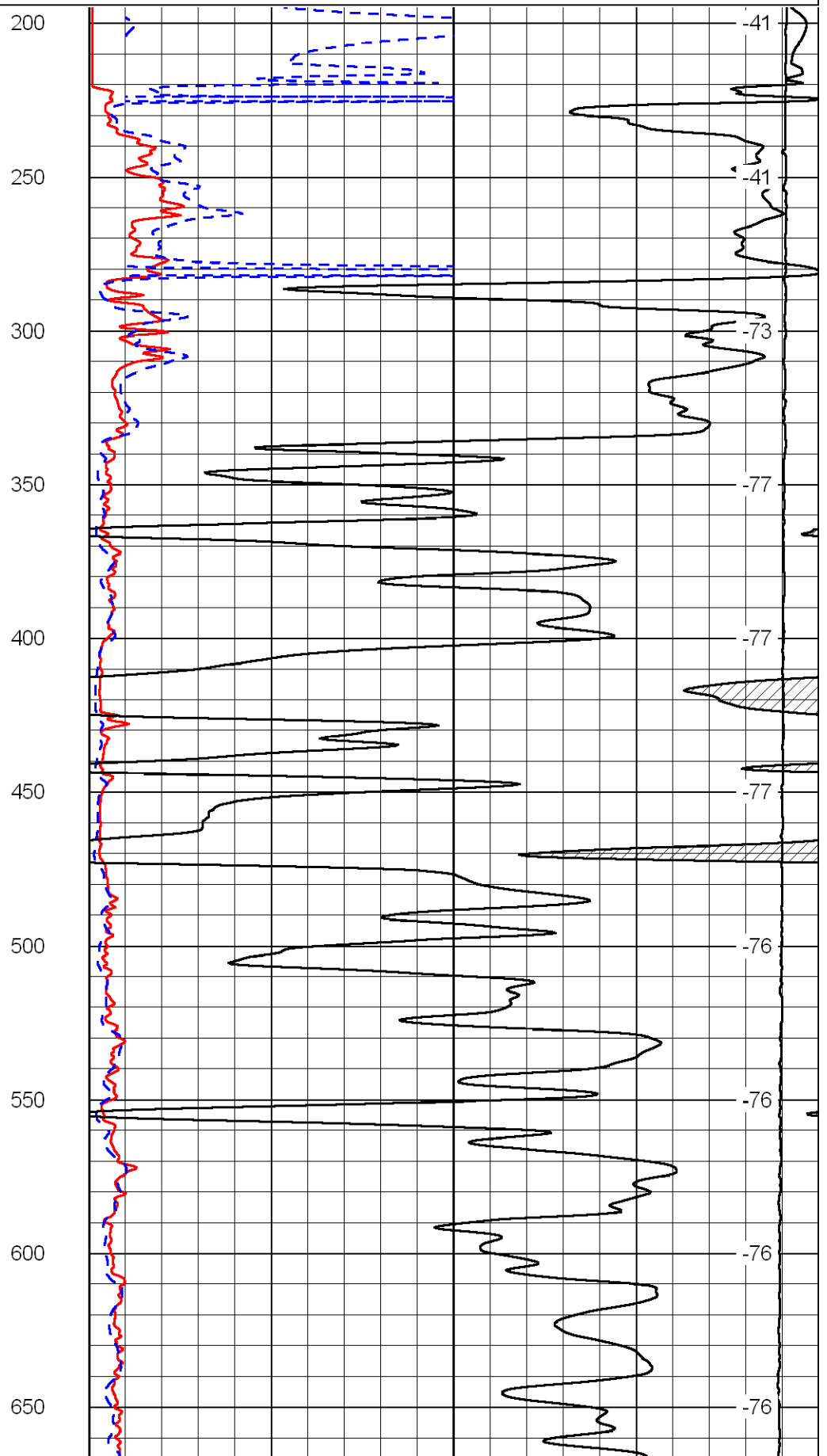
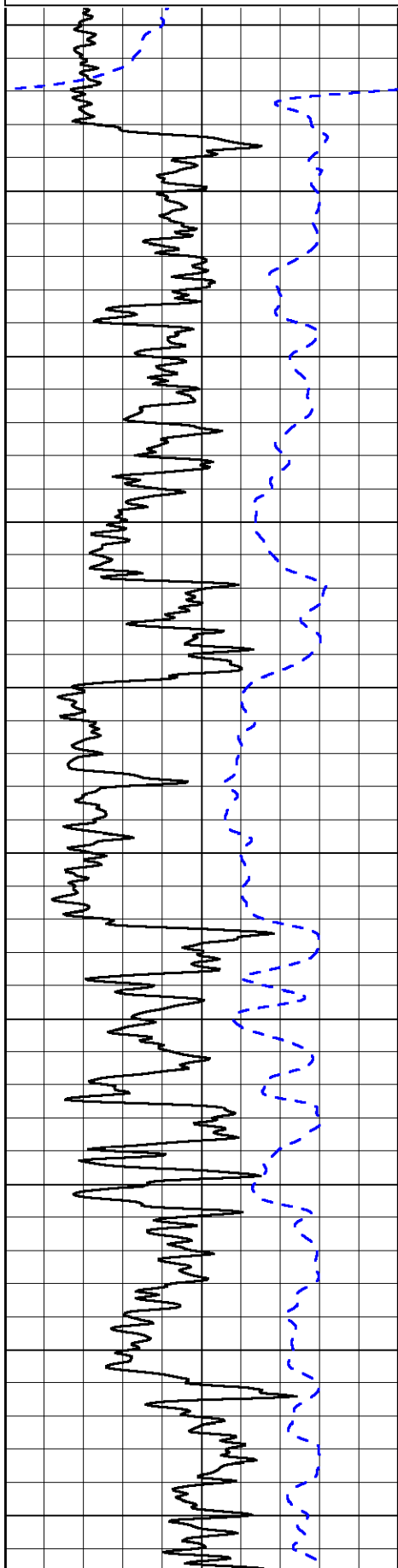
Thank you for using Log-Tech, Inc.
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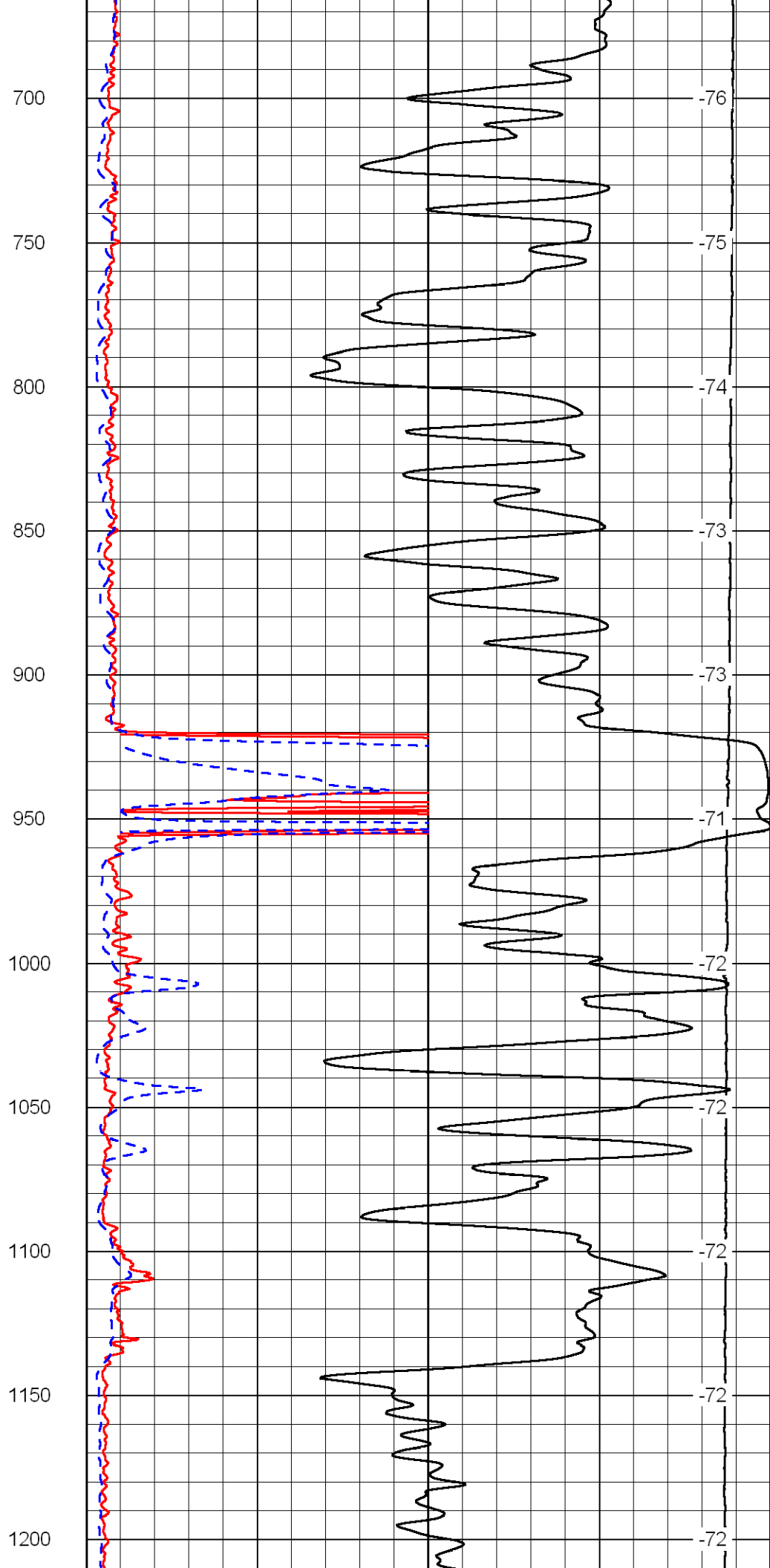
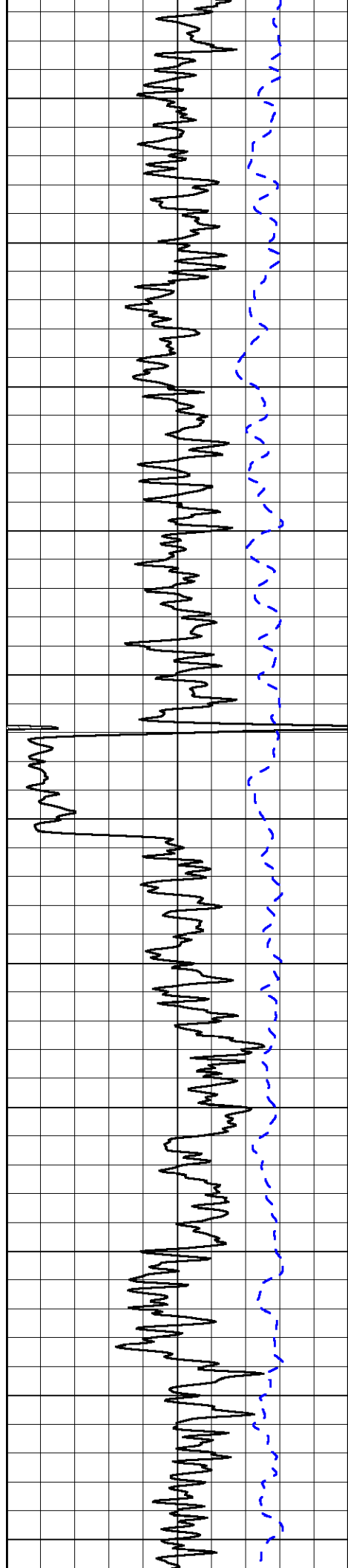
I-70 and Balta rd exit,
3 N to 15th st, 1/2 W,
S into

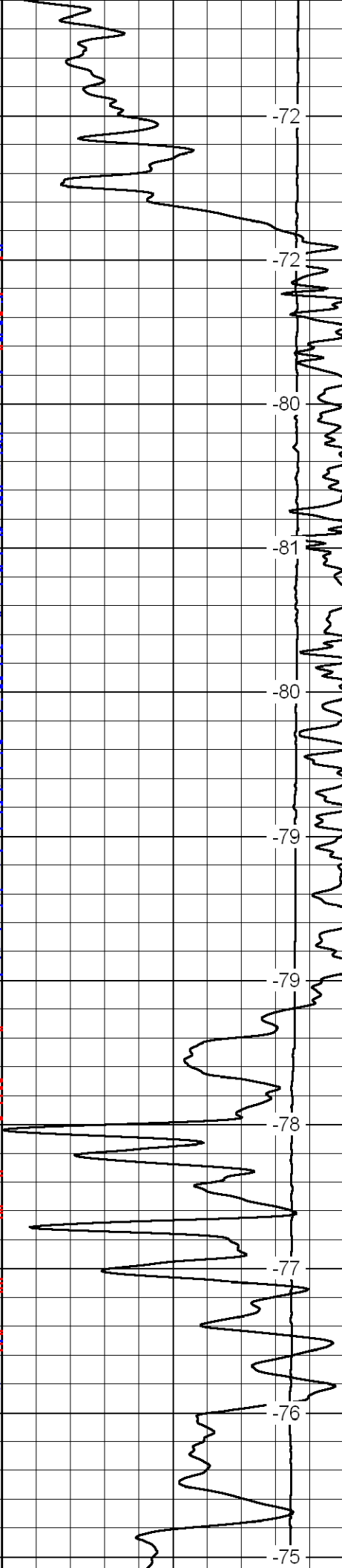
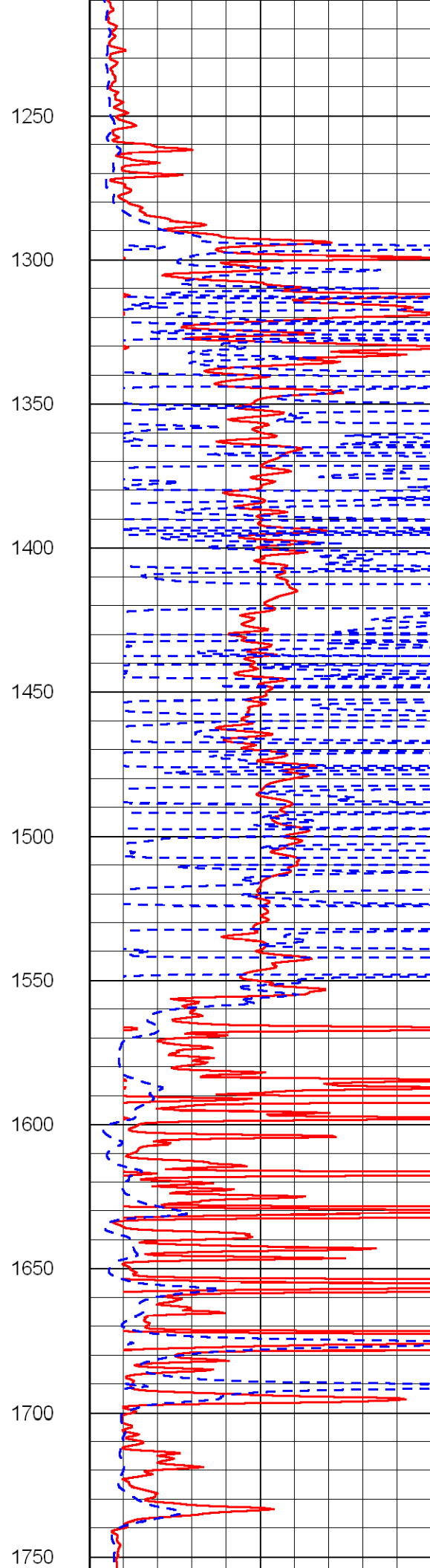
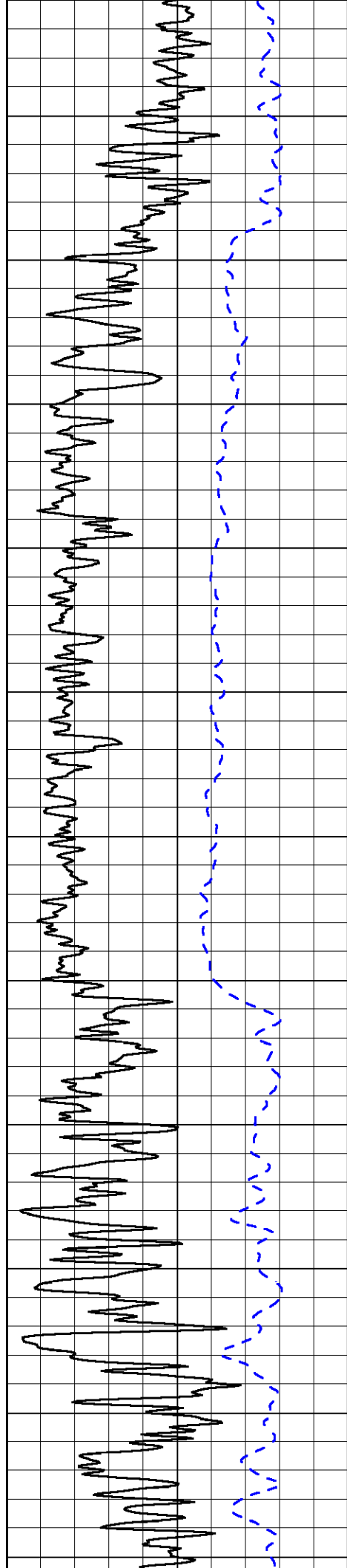
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Dataset Creation: Mon Feb 13 21:09:50 2012
Charted by: Depth in Feet scaled 1:600

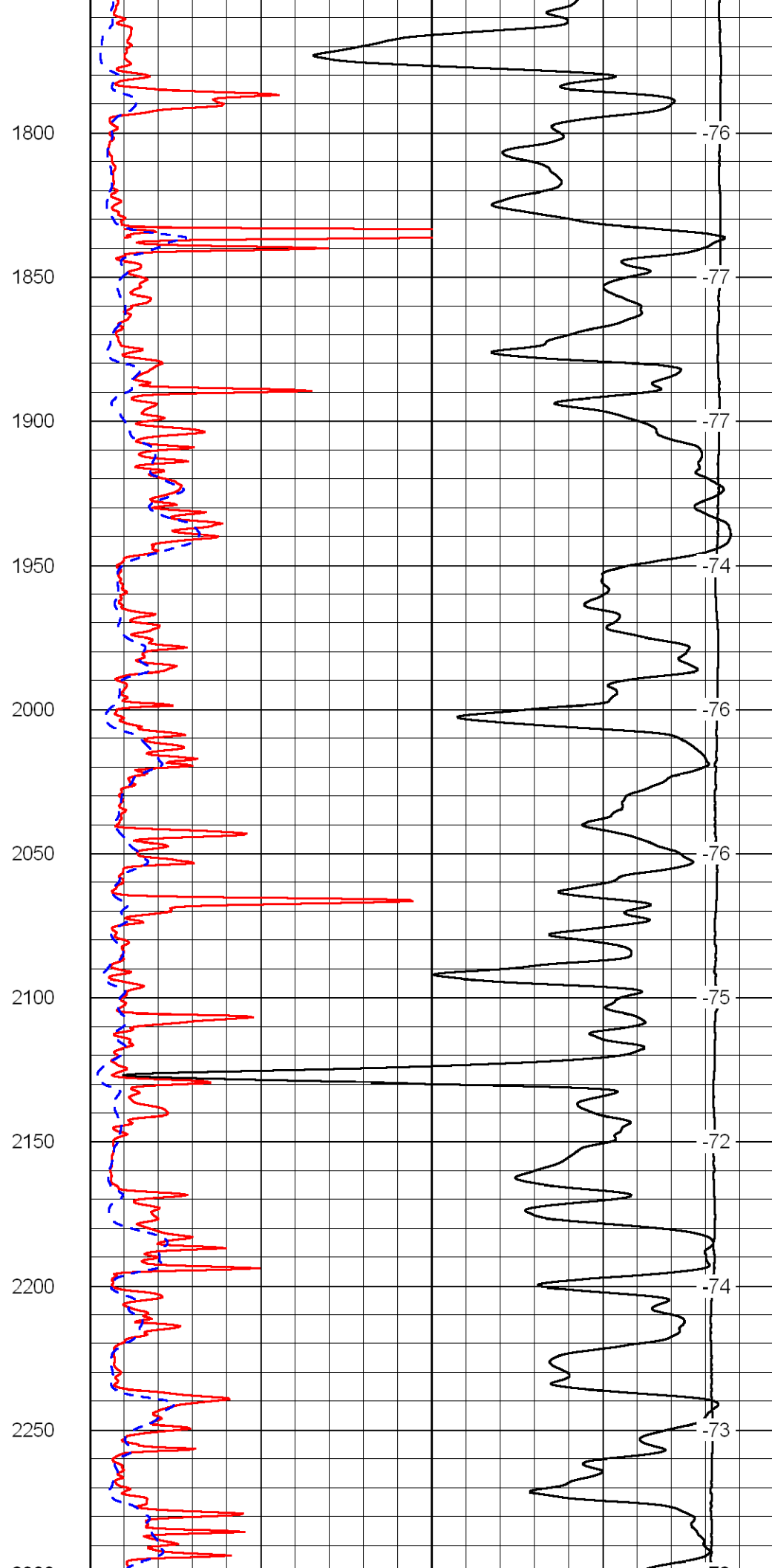
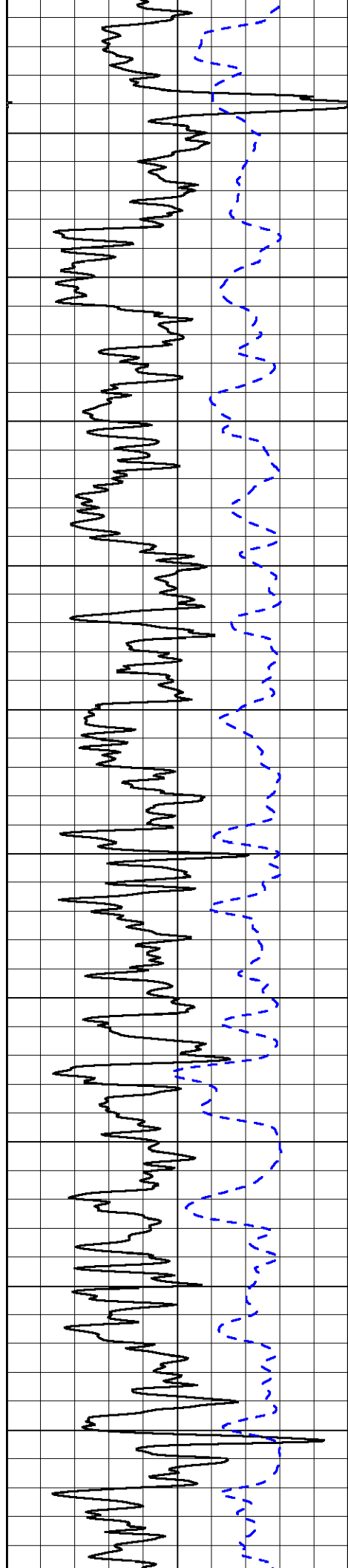
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-200	SP	0

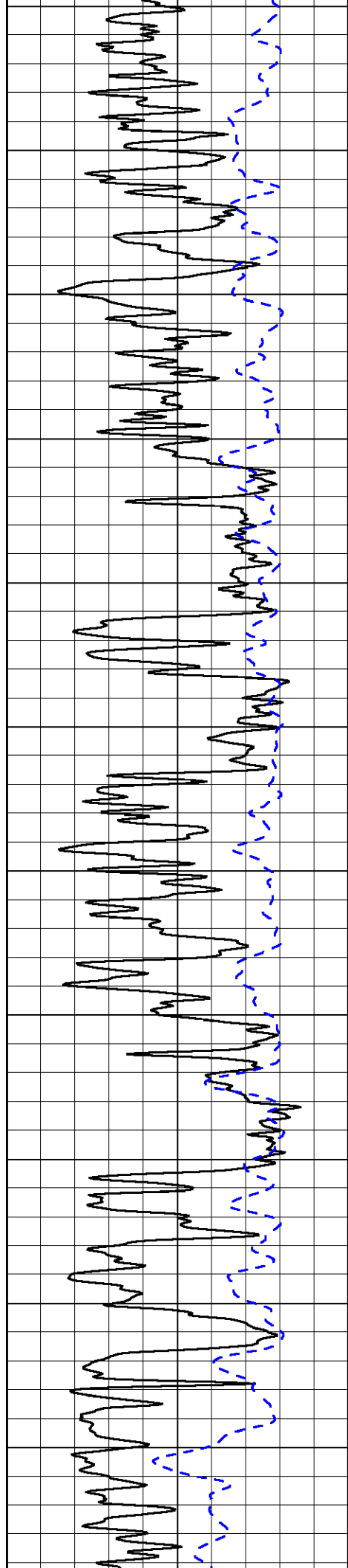
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500



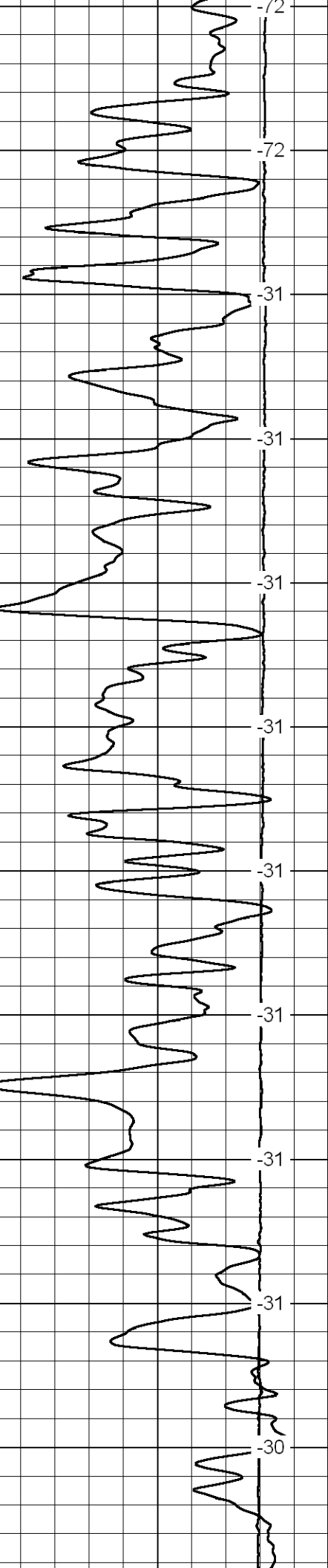
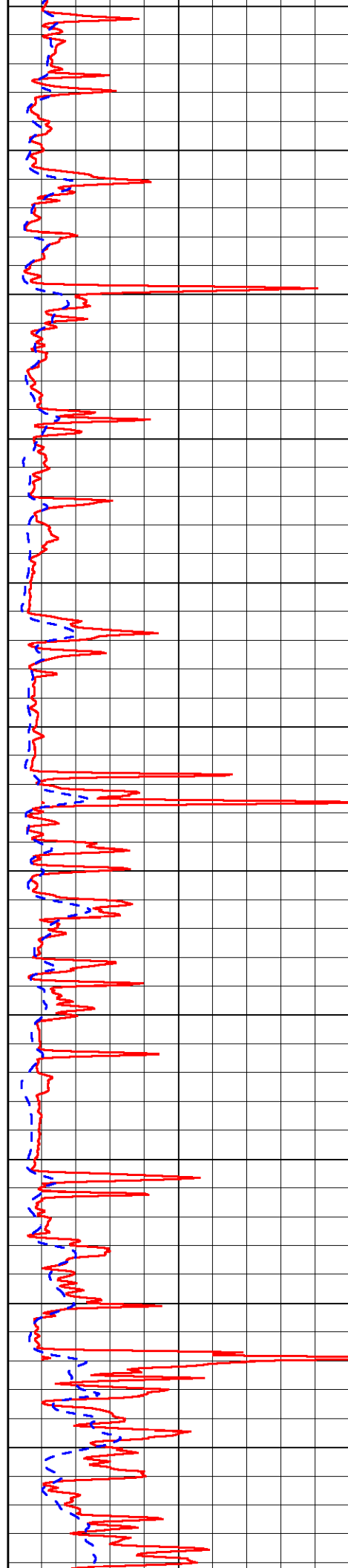




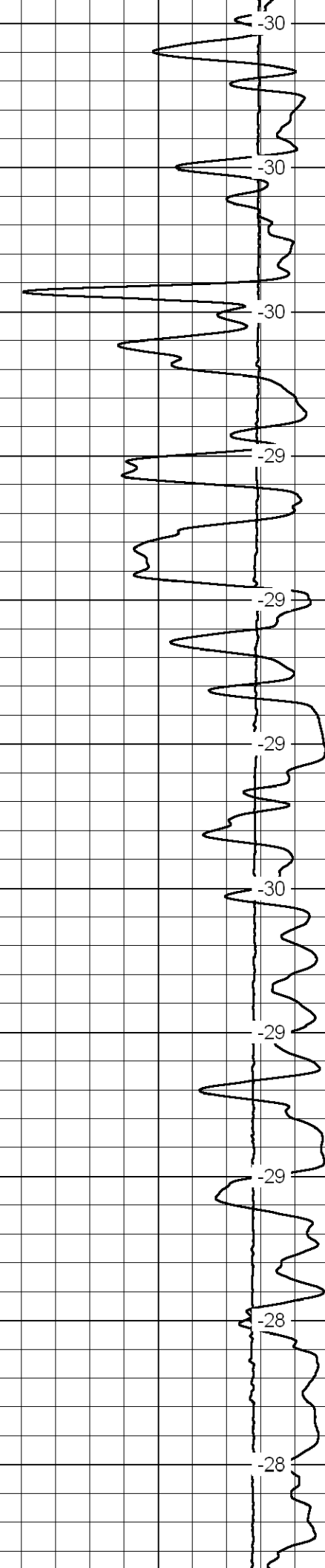
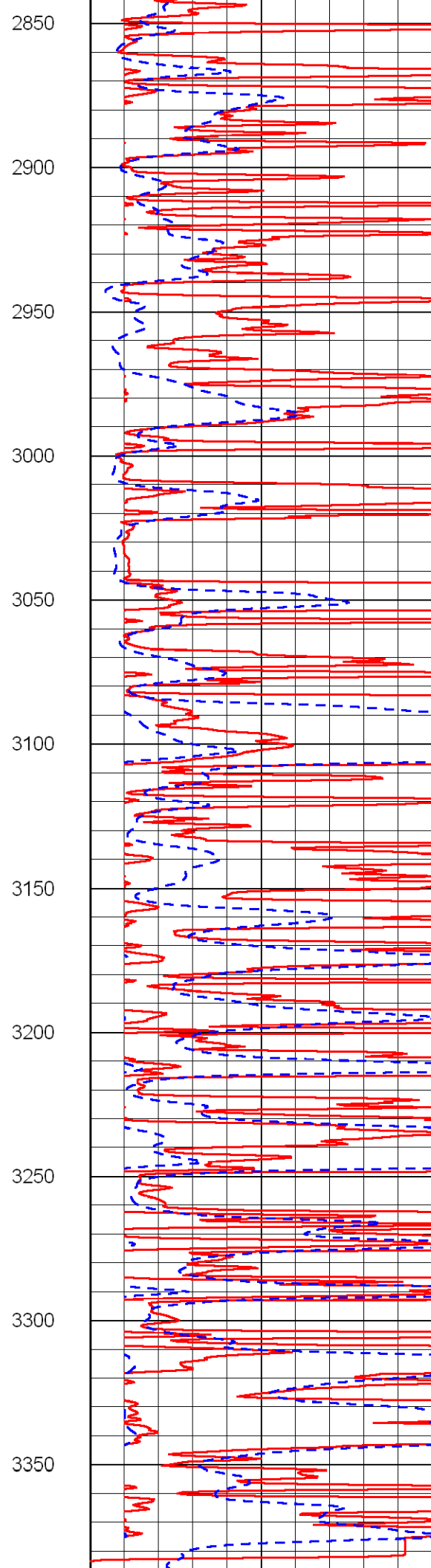
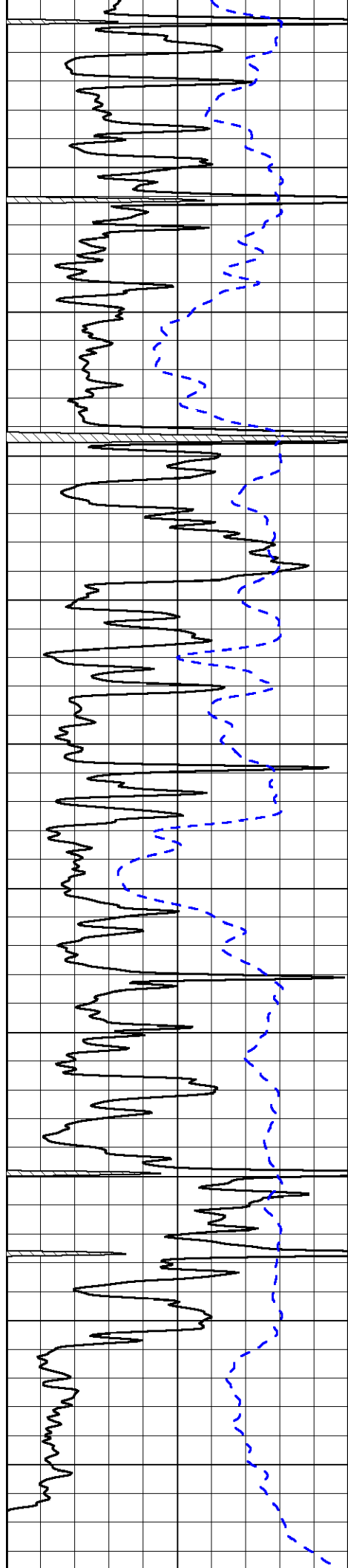


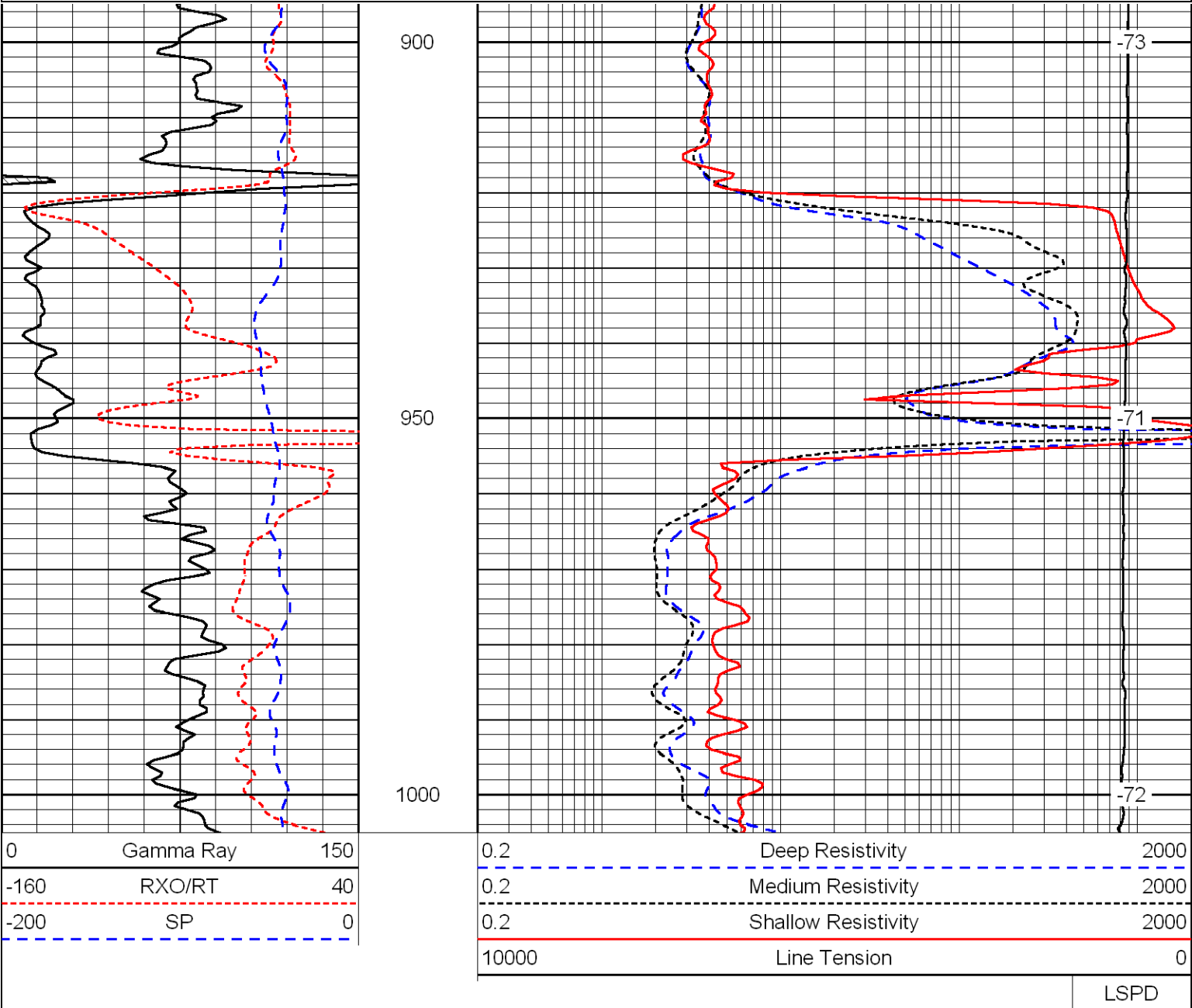
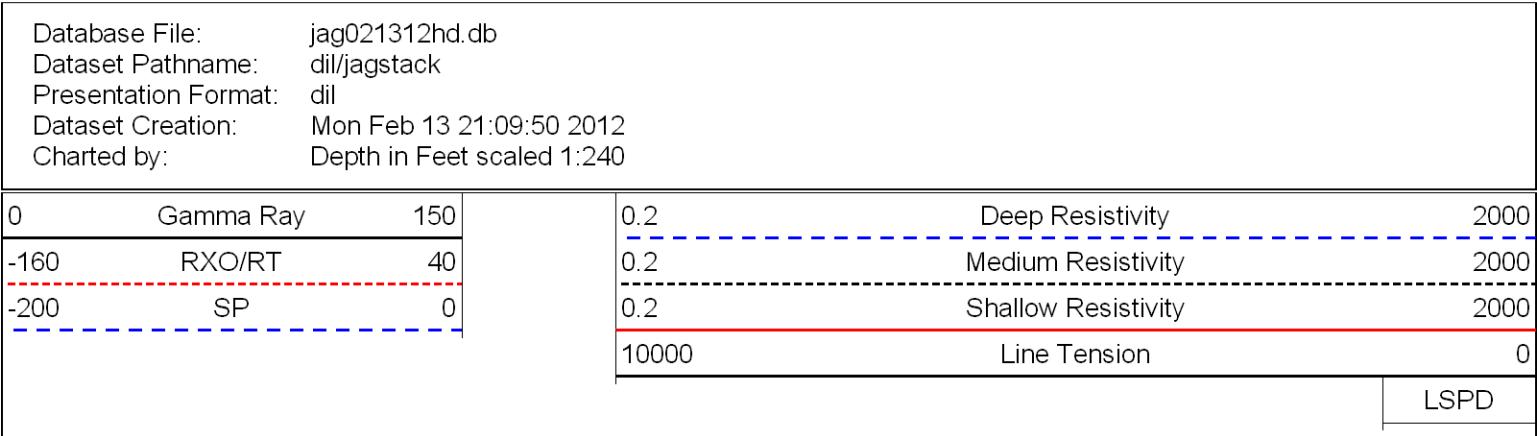
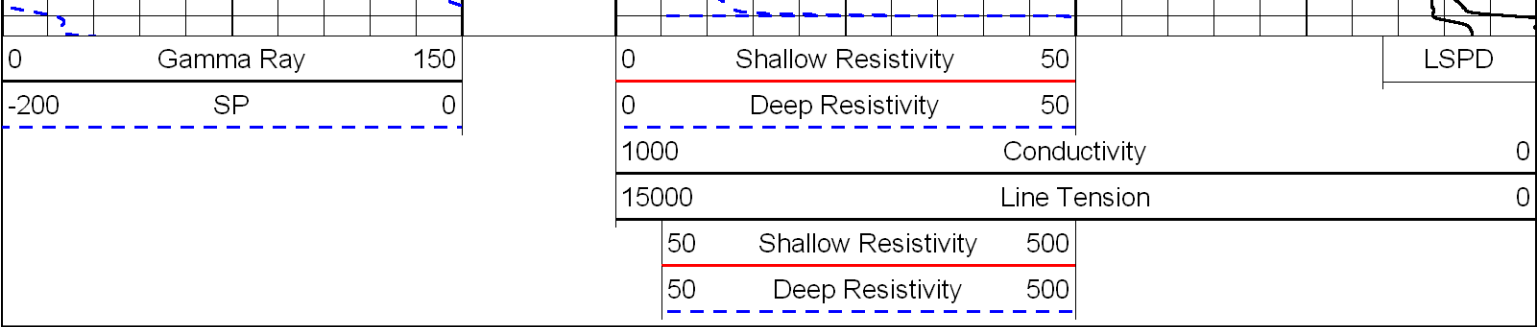


2300
2350
2400
2450
2500
2550
2600
2650
2700
2750
2800



-72
-72
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-31
-30



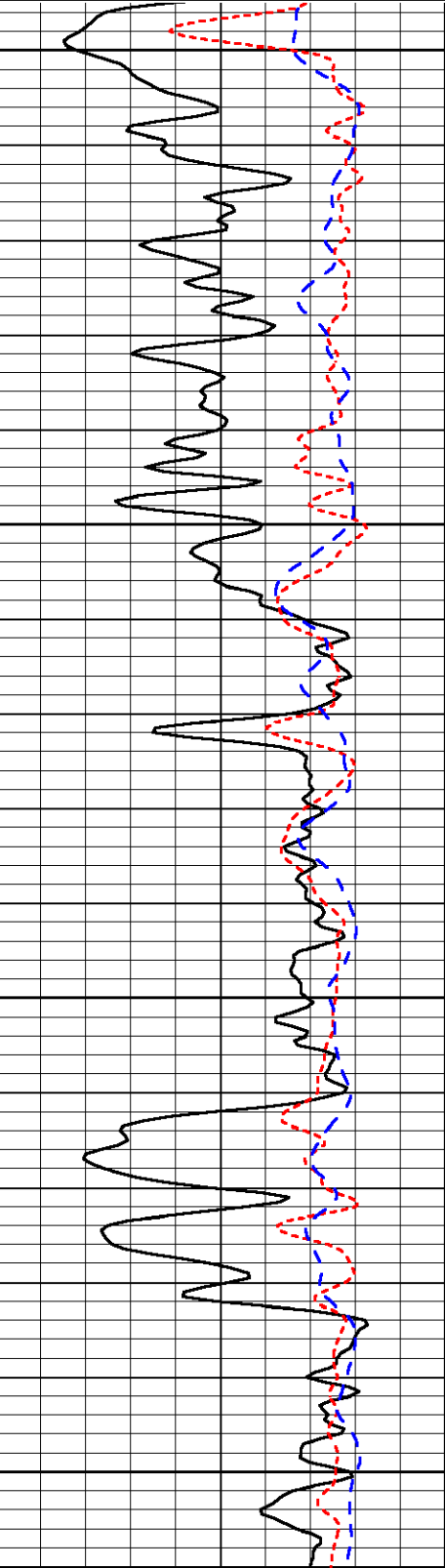


Database File: jag021312hd.db
Dataset Pathname: dil/jagstack
Presentation Format: dil
Dataset Creation: Mon Feb 13 21:09:50 2012
Charted by: Depth in Feet scaled 1:240

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

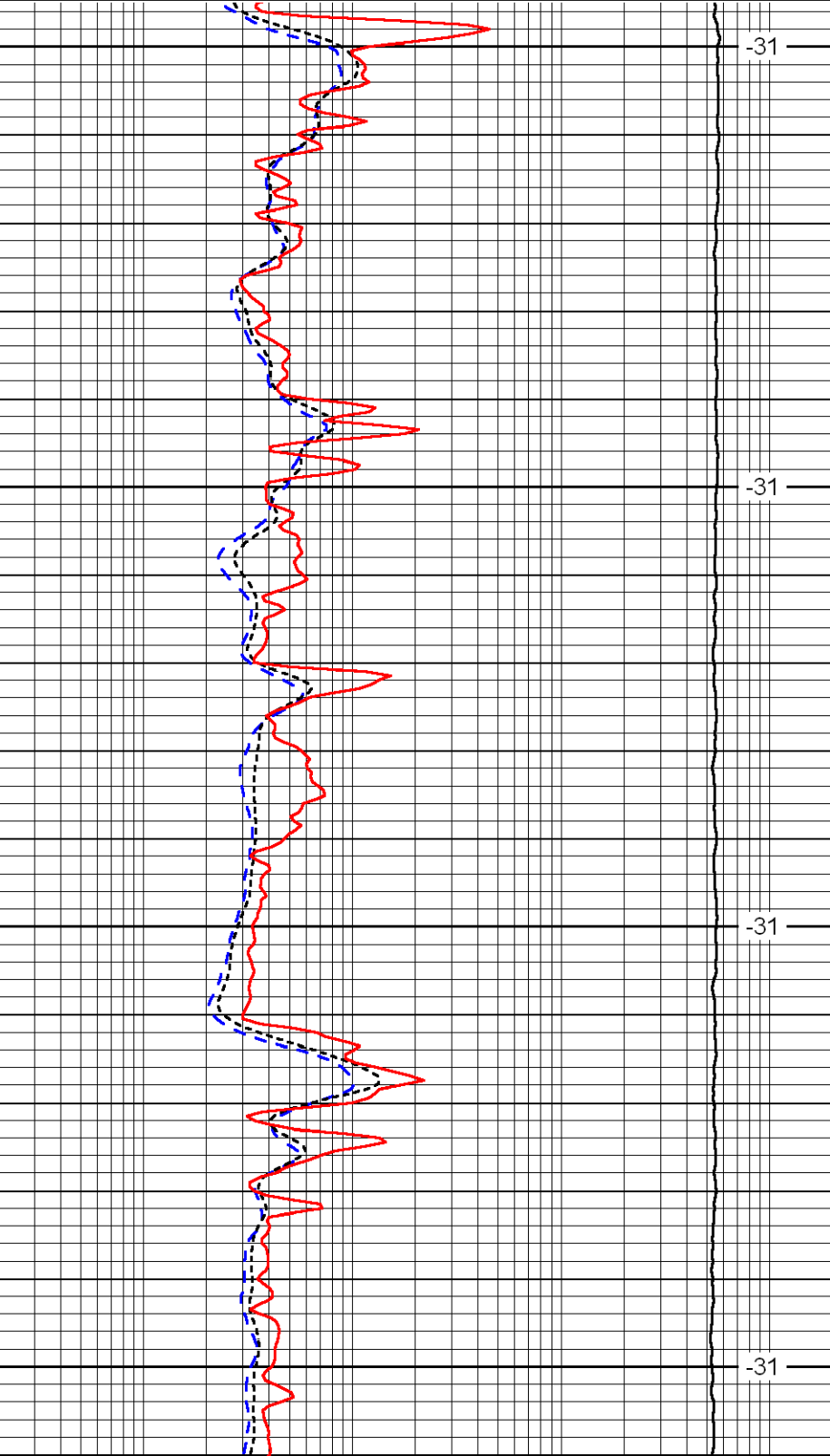


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2450

2500

2550

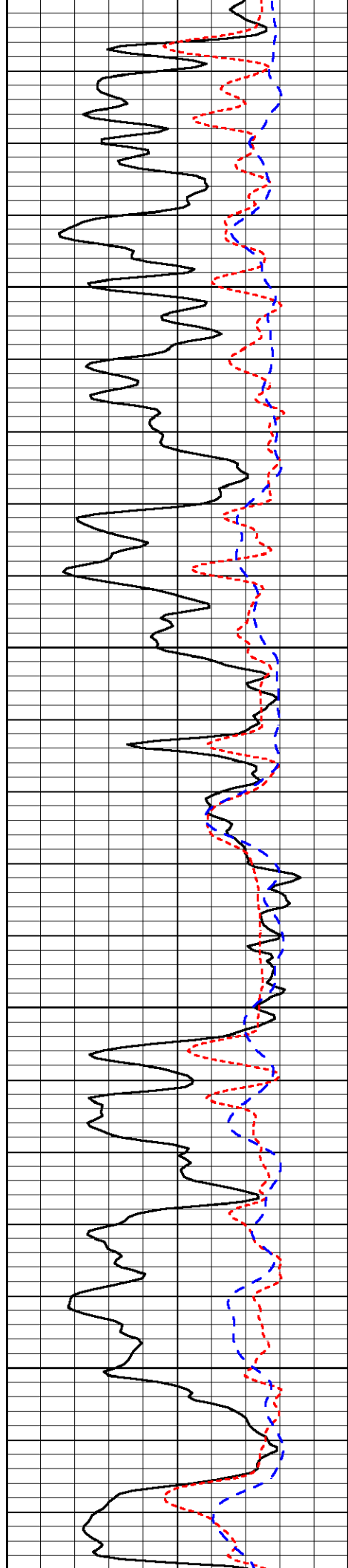


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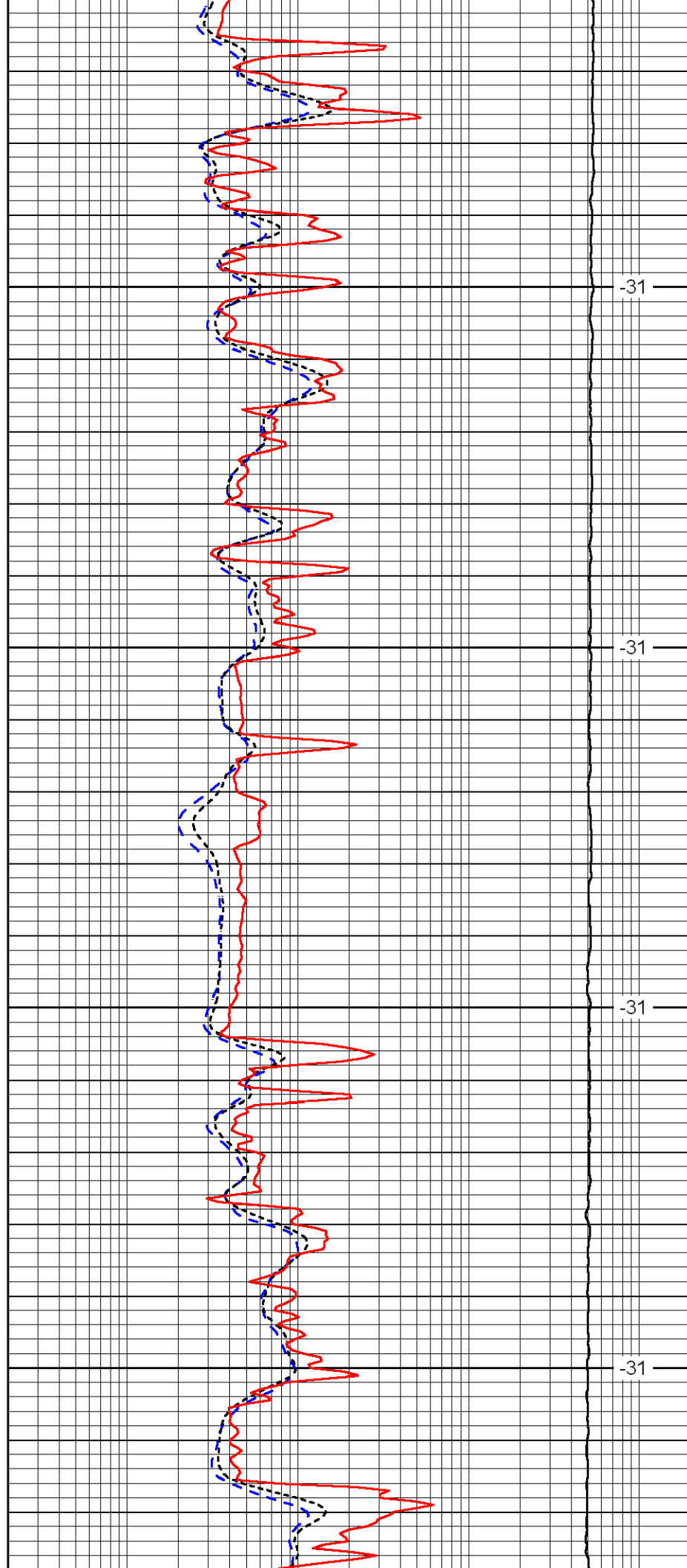


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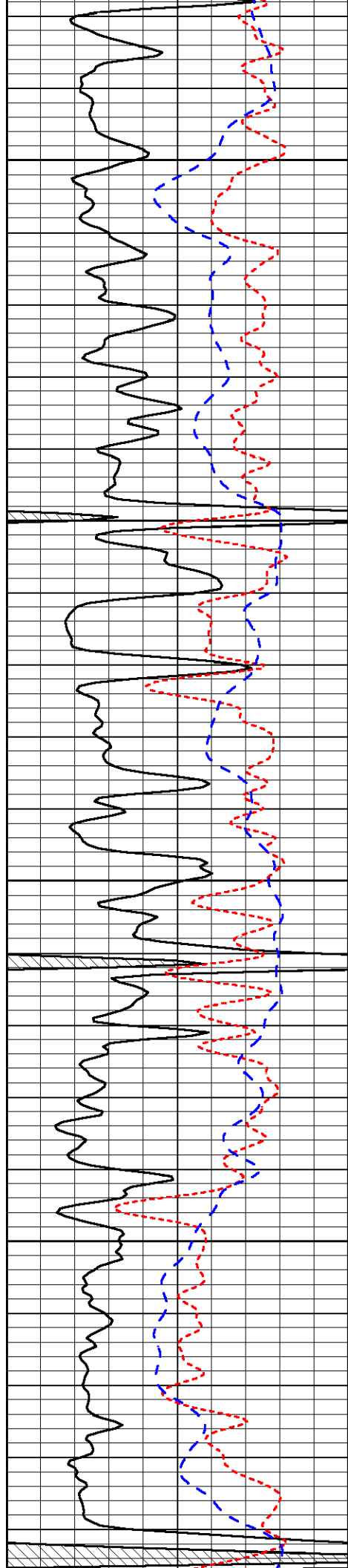


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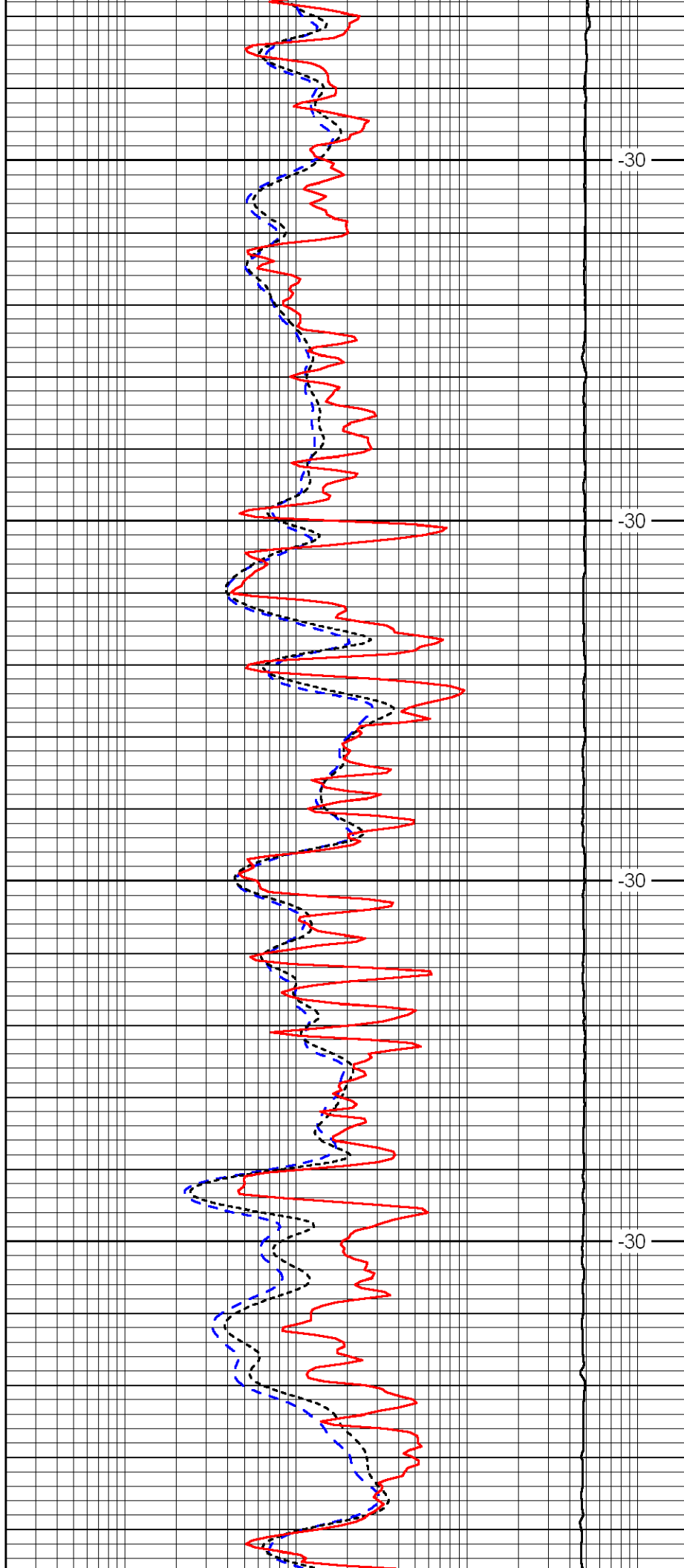


2800

2850

2900

2950

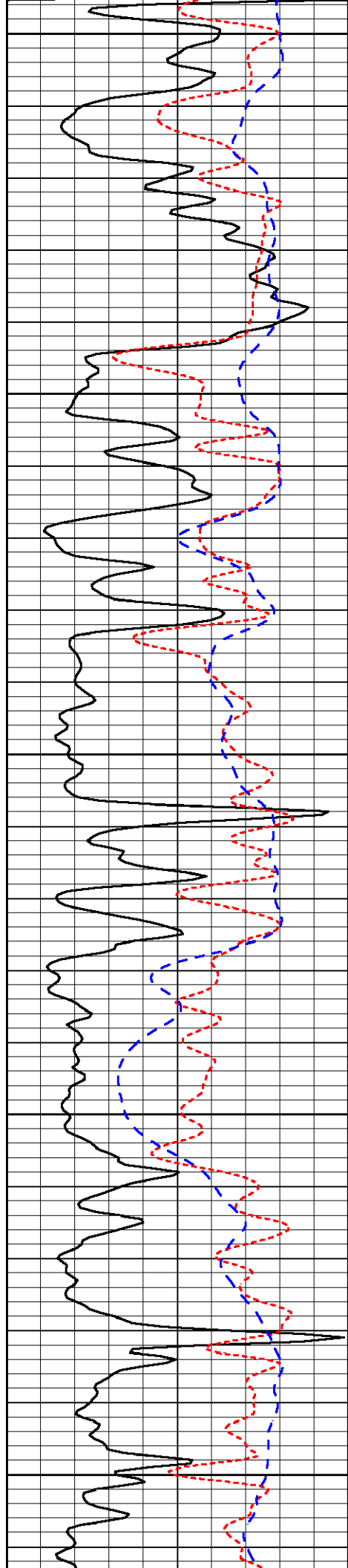


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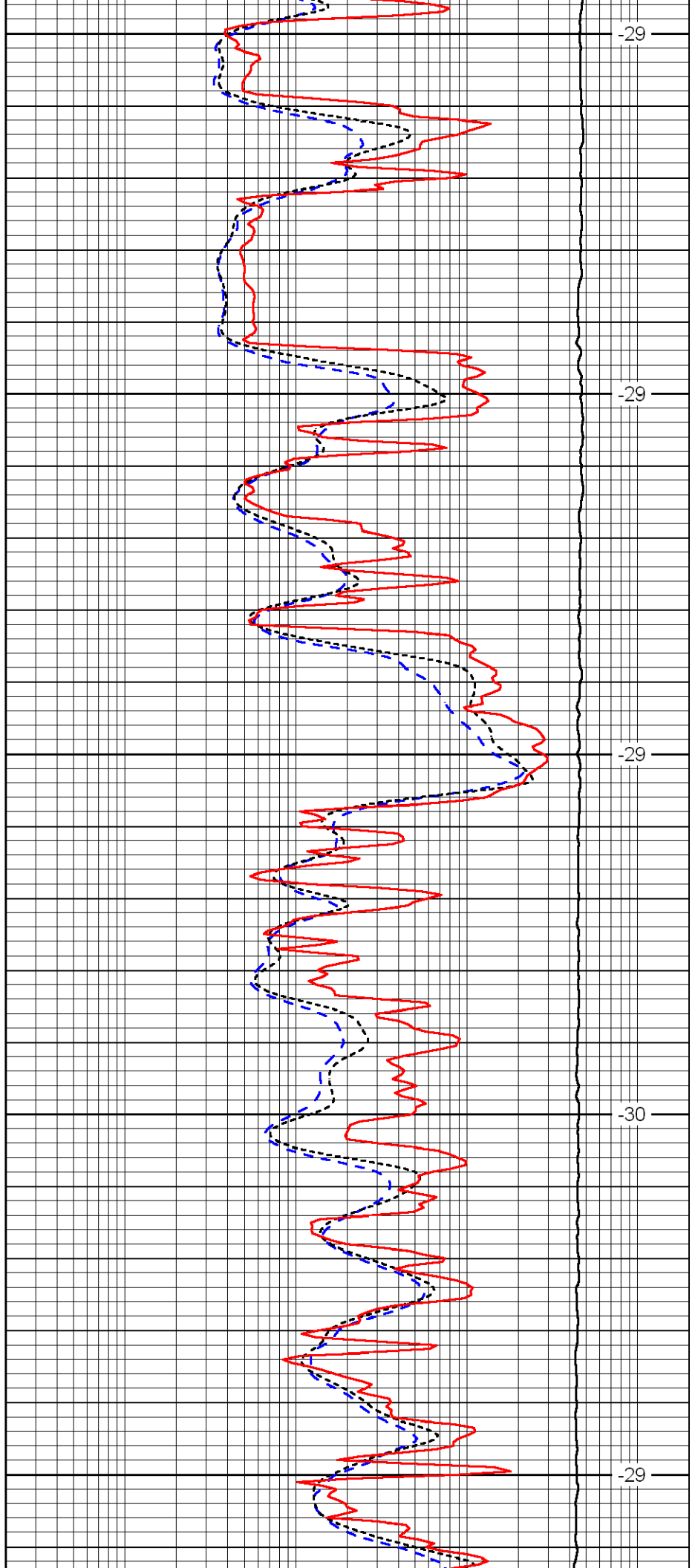
3000

3050

3100

3150

3200



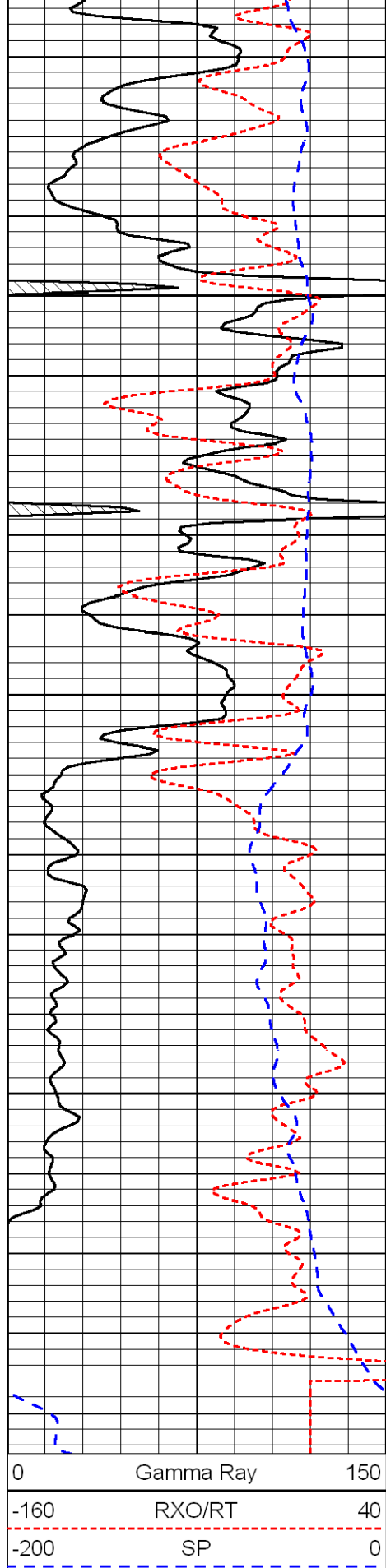
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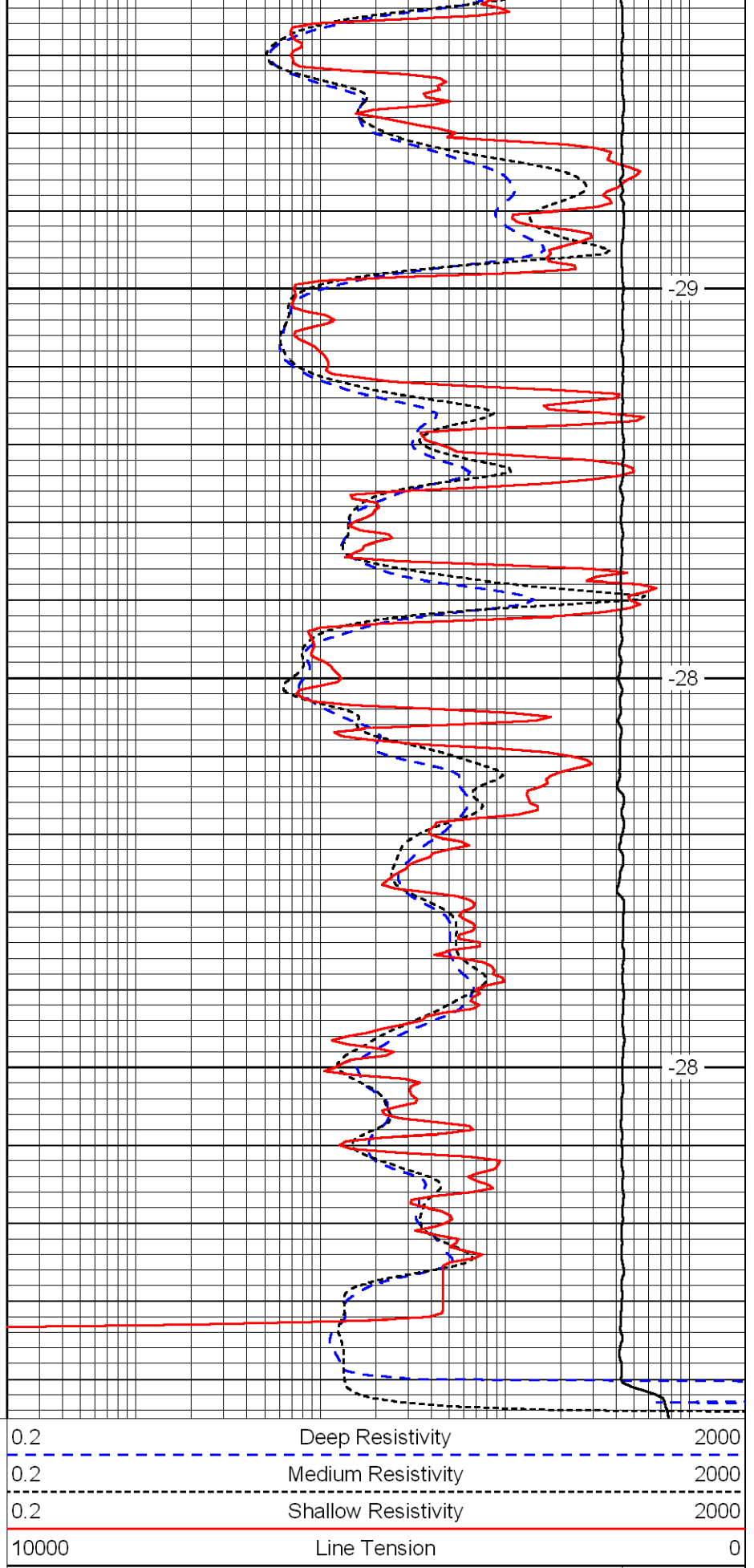
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3250

3300

3350



-29

-28

-28

LSPD