

LOG-TECH



Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No.

15-051-25,938-00-00

Company Bowman Oil Company

Well Arnhold No. 1

Field Bemis-Shutts

County Ellis State

Kansas

Location

1825' FSL & 2970' FEL

Sec: 13

Twp: 12 S

Rge: 18 W

Permanent Datum

Ground Level

Elevation 2142

Log Measured From Kelly Bushing

5 Ft. Above Perm. Datum

Dilling Measured From Kelly Bushing

K.B. 2147
D.F. 2142
G.L. 2142

Date

1/24/2010

Run Number

One

Depth Driller

3732

Depth Logger

3732

Bottom Logged Interval

3731

Top Log Interval

200

Casing Driller

8.625 @ 218

Casing Logger

214

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

4.000

Density / Viscosity

9.2 55

pH / Fluid Loss

10.5 8.8

Source of Sample

Flowline

Rm @ Meas. Temp

1.70 @ 47

Rmf @ Meas. Temp

1.28 @ 47

Rmc @ Meas. Temp

2.30 @ 47

Source of Rmf / Rmc

Charts

Rm @ BHT

0.71 @ 113

Operating Rig Time

3-1/2 Hours

Max Rec. Temp. F

113

Equipment Number

15

Location

Hays

Recorded By

B. Becker

Witnessed By

Bill Bowman

<<< Fold Here >>>

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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(785) 625-3858

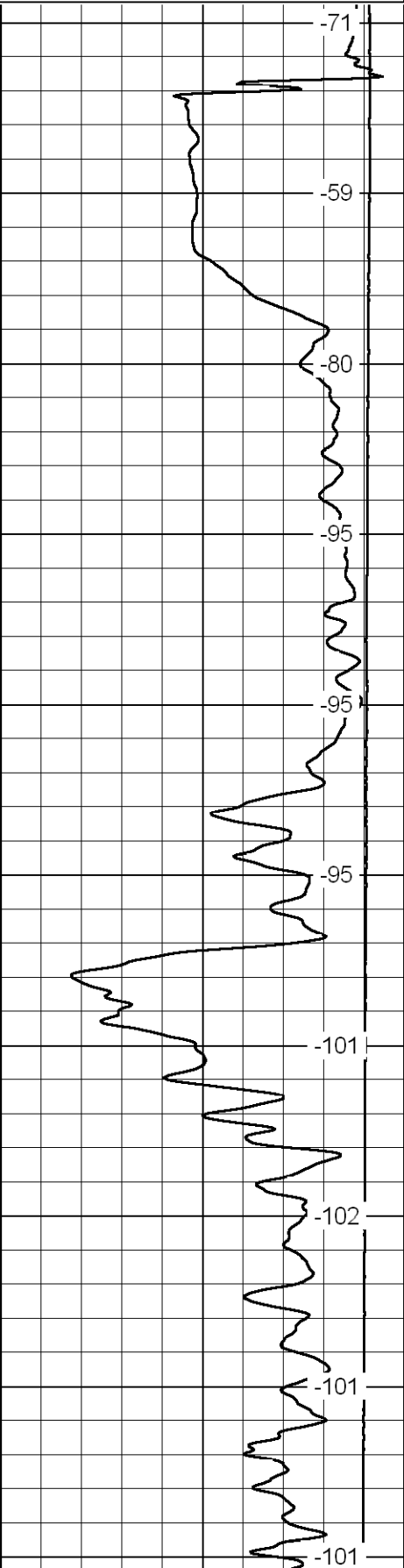
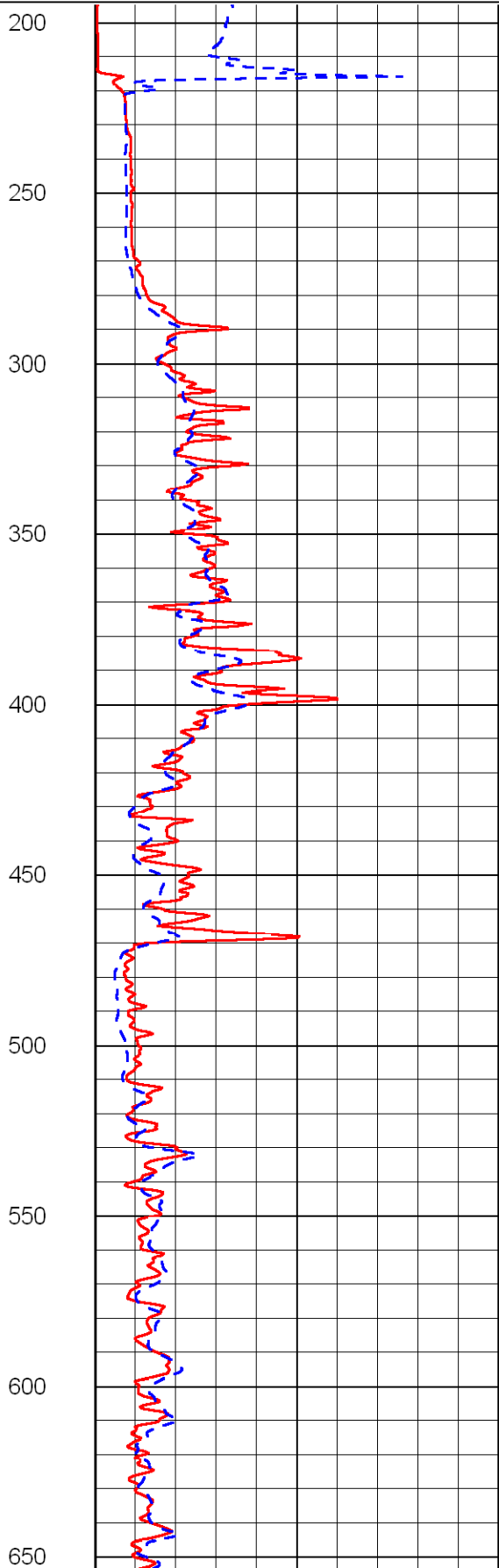
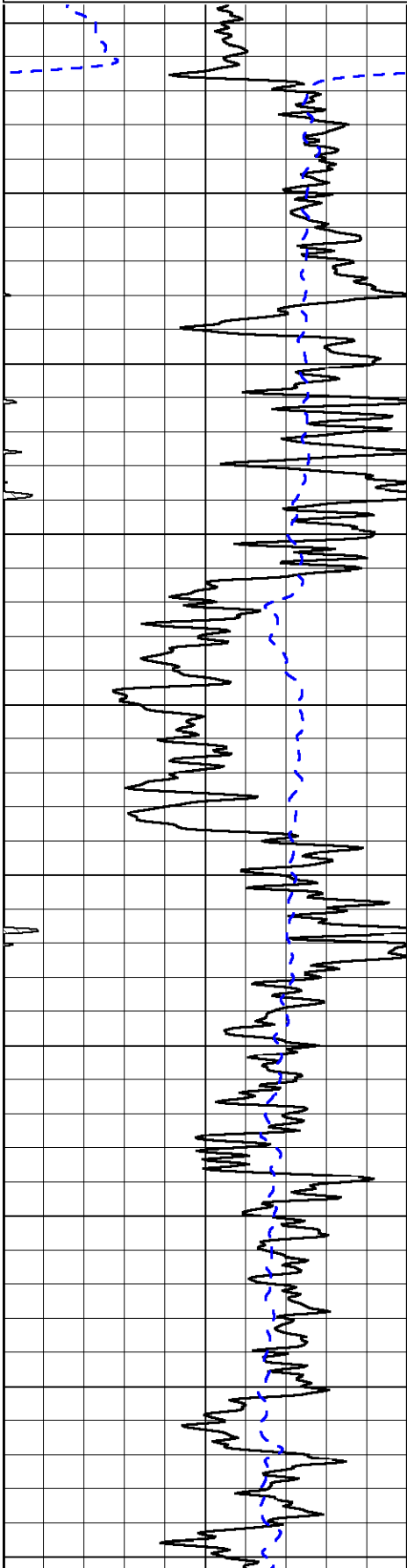
Hays, Ks; North to Buckeye Rd; 2-1/2 East;
North into location

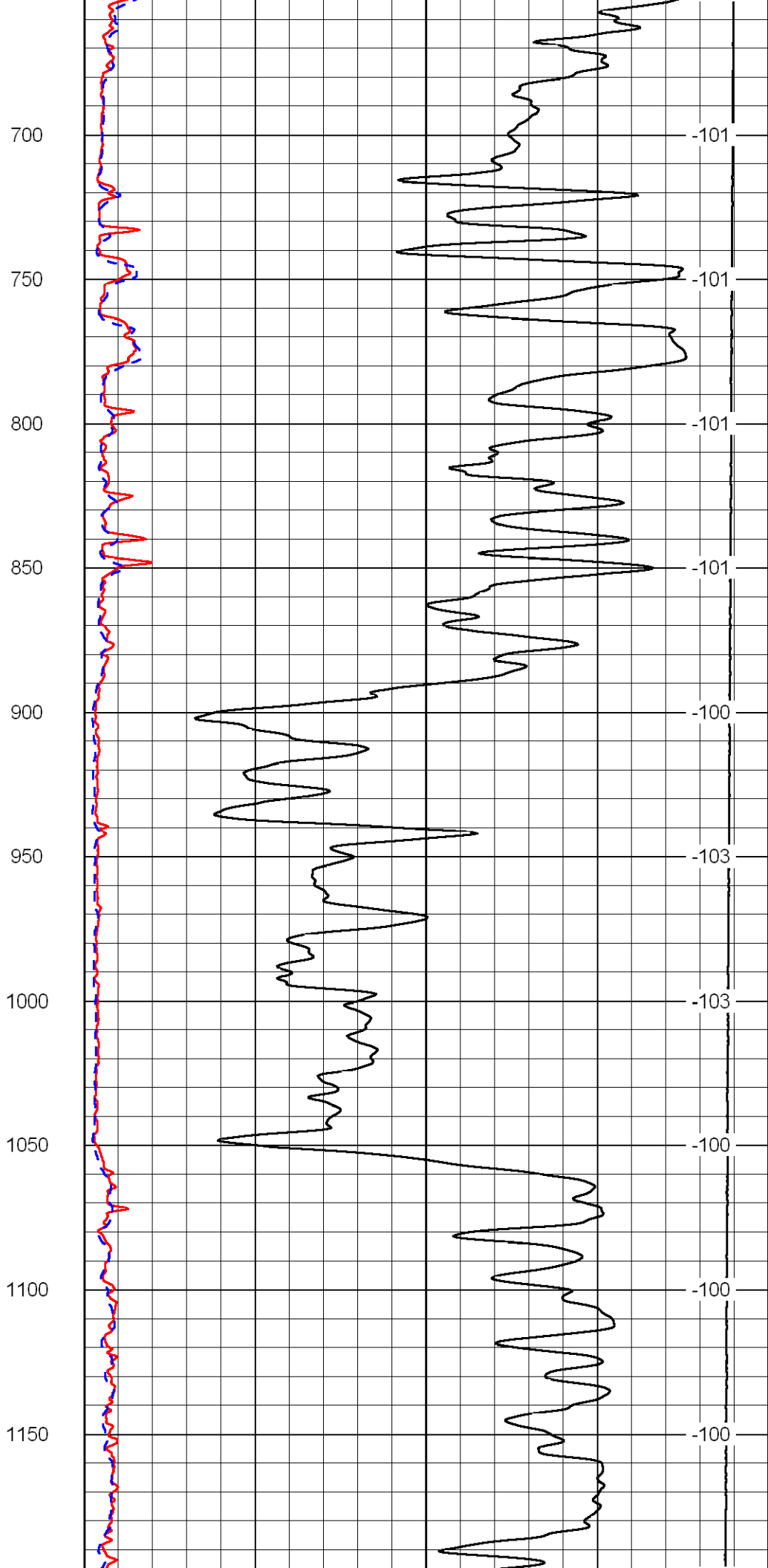
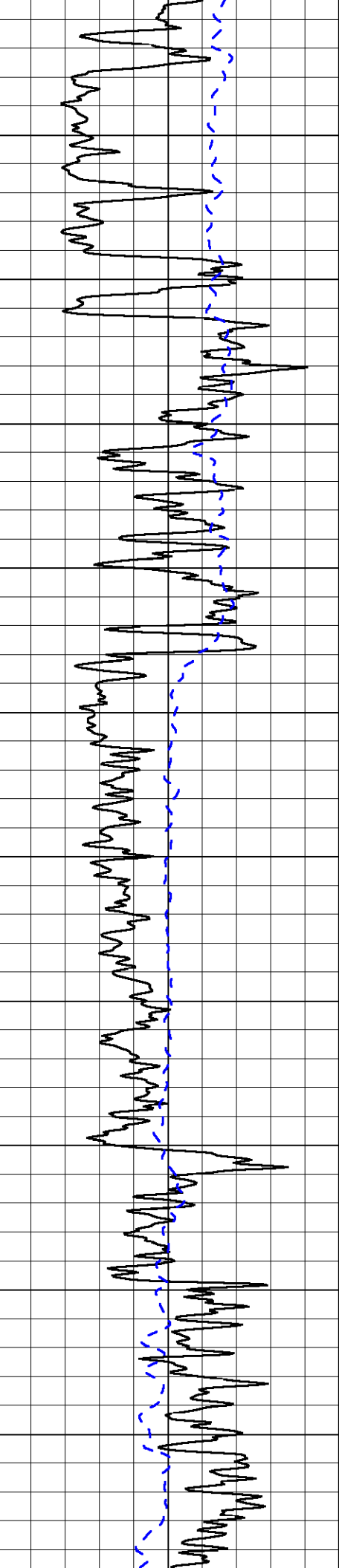
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Presentation Format: dil2in
Dataset Creation: Sun Jan 24 05:13:38 2010
Charted by: Depth in Feet scaled 1:600

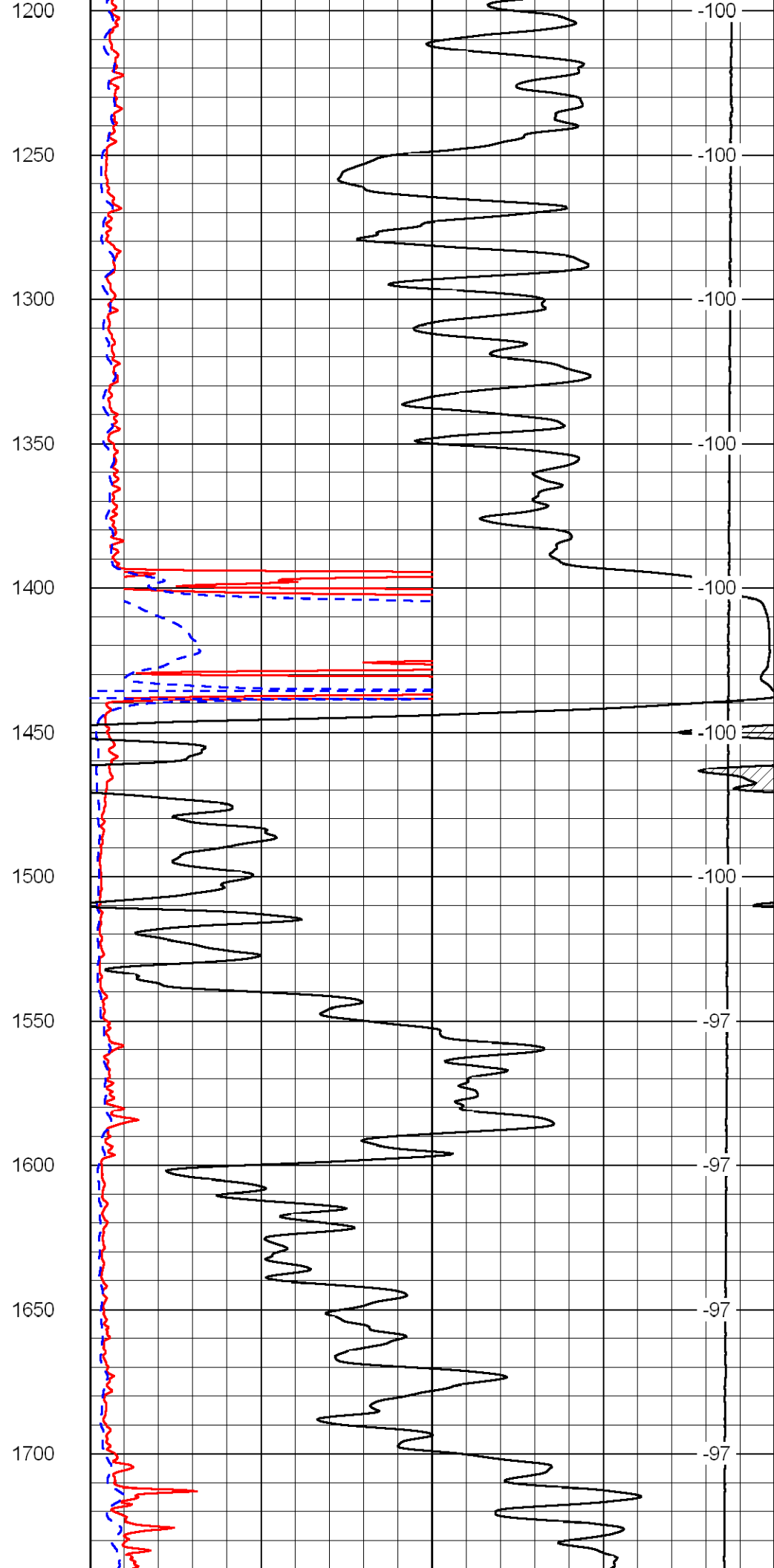
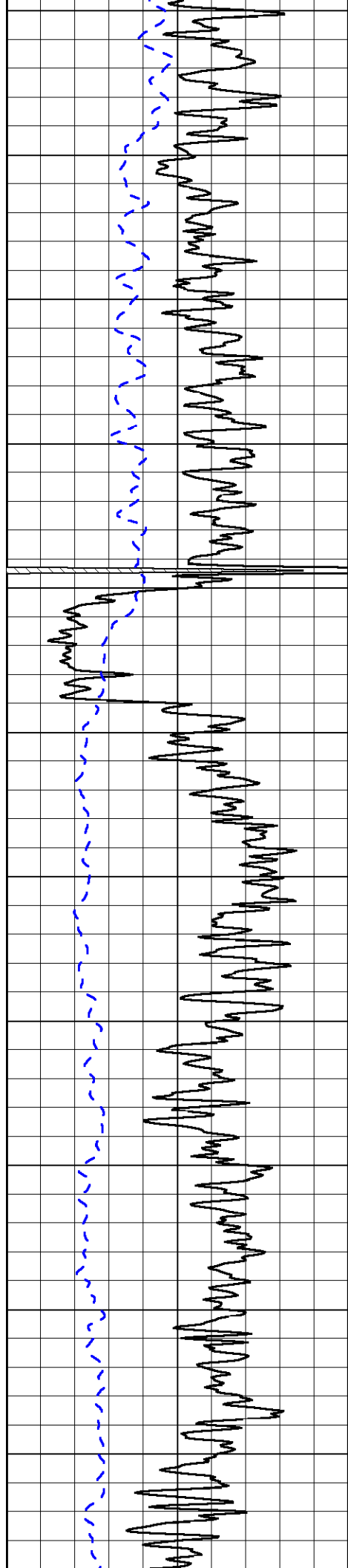
0	Gamma Ray	150
-200	SP (MV)	0

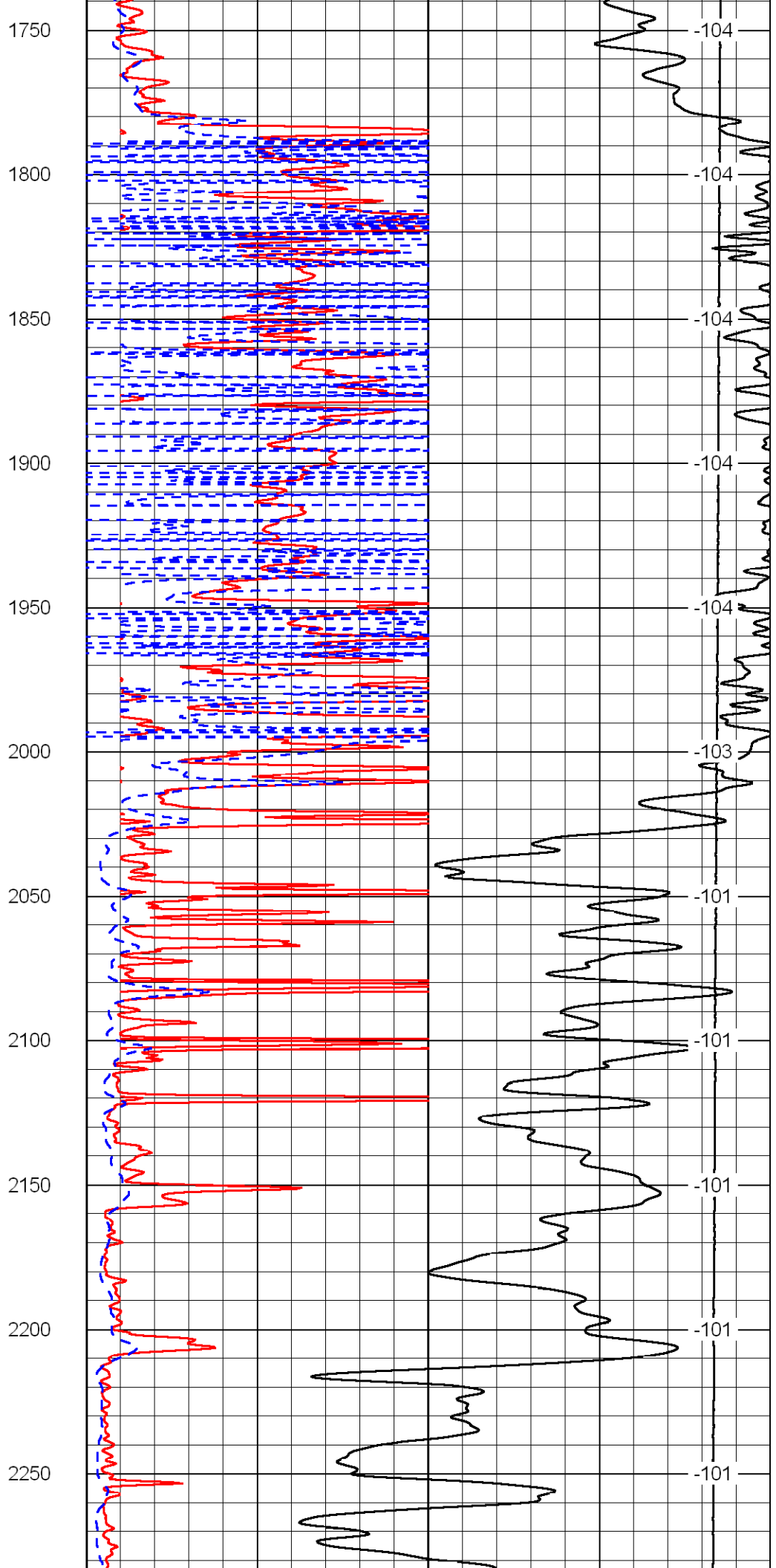
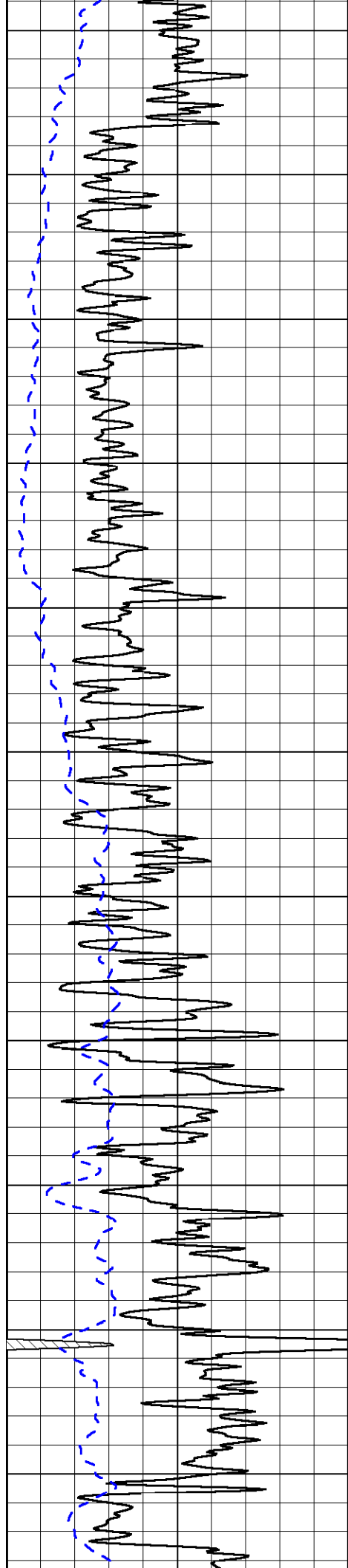
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (mmho/m)	0
15000	Line Tension (lb)	0
50	Shallow Resistivity (Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

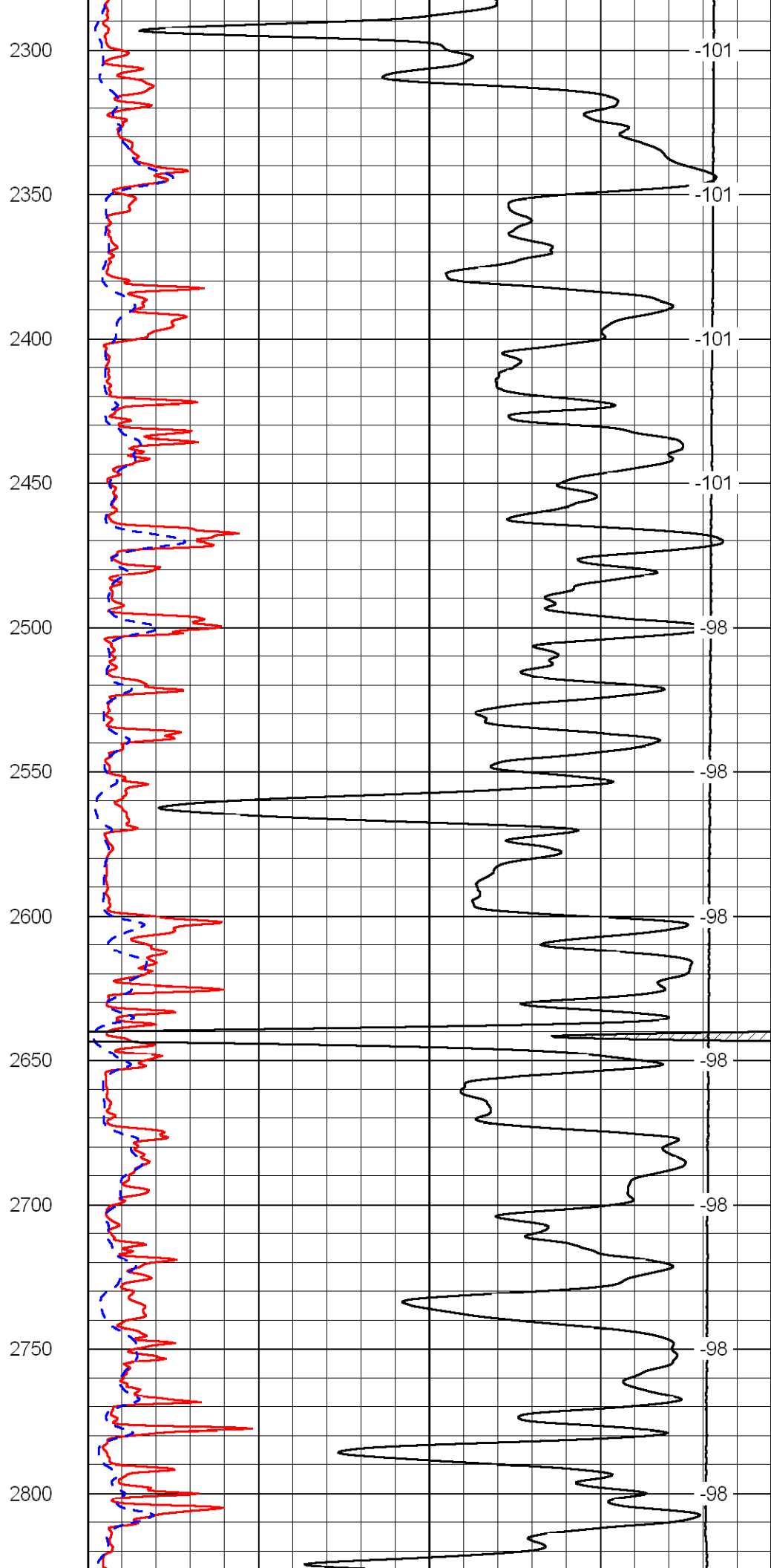
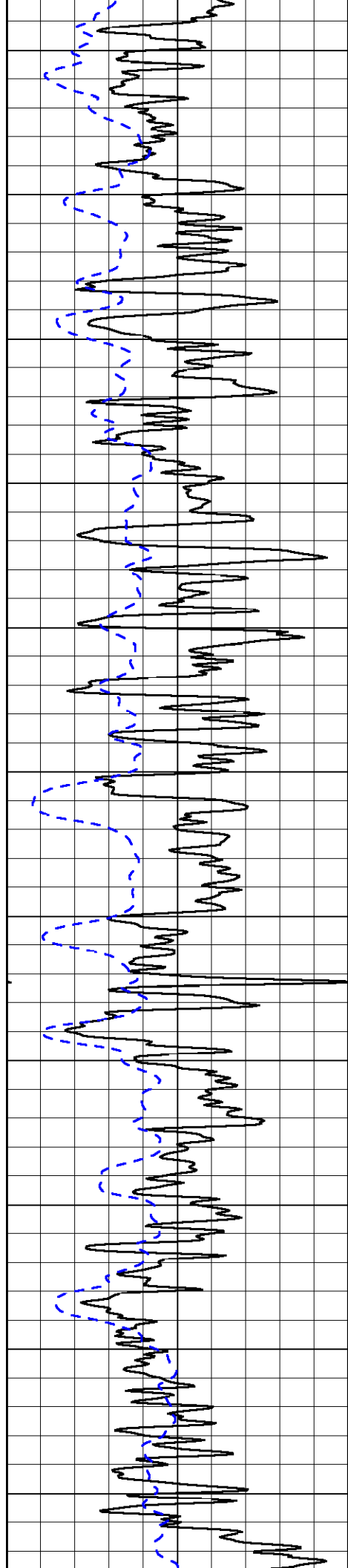
LSPD
(ft/min)

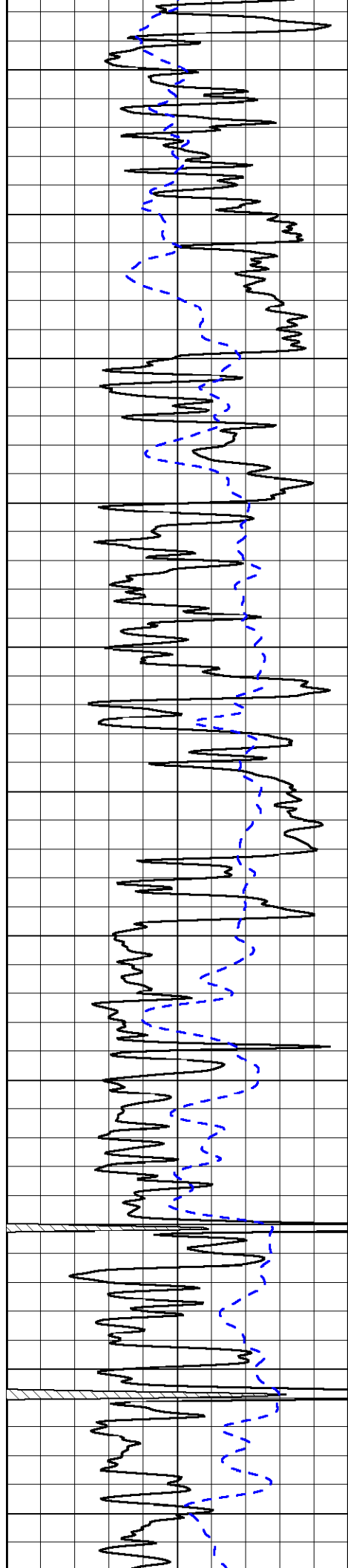












2850

2900

2950

3000

3050

3100

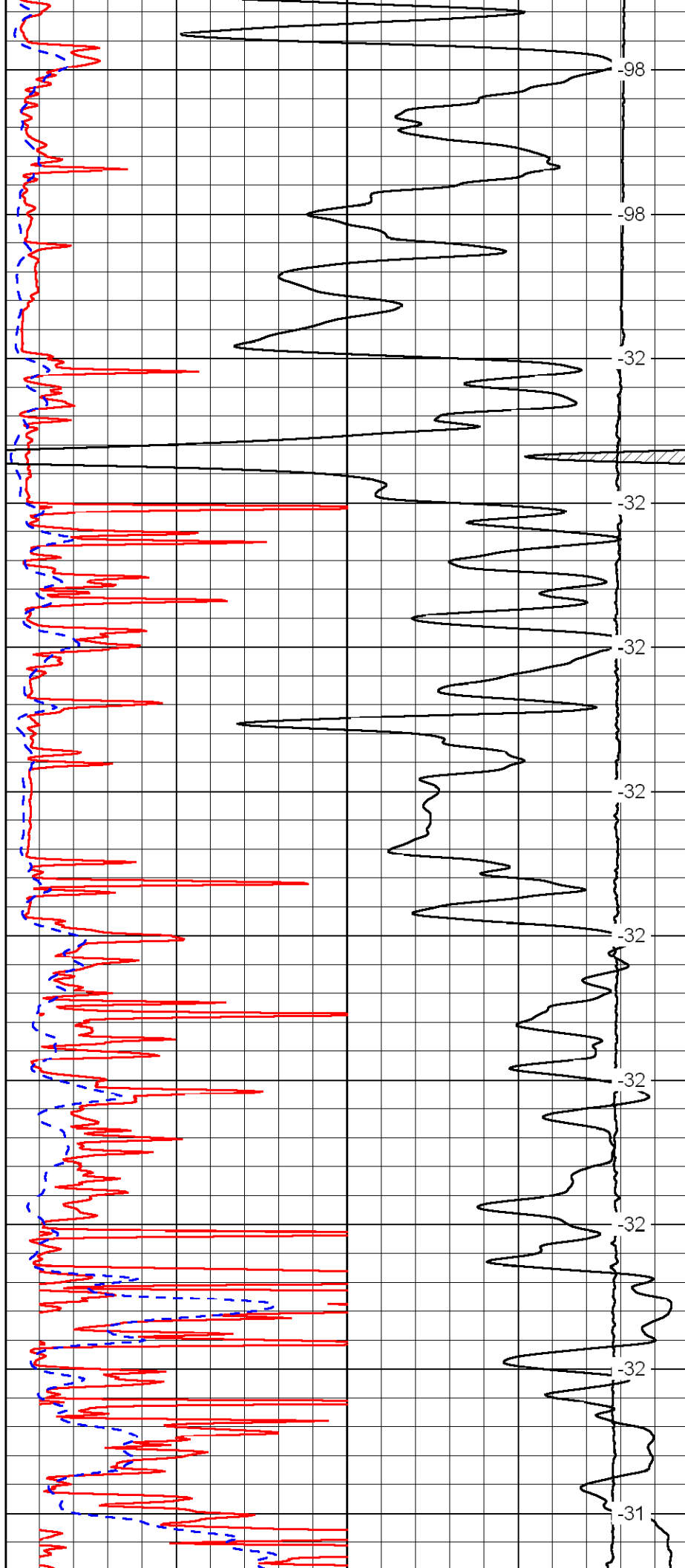
3150

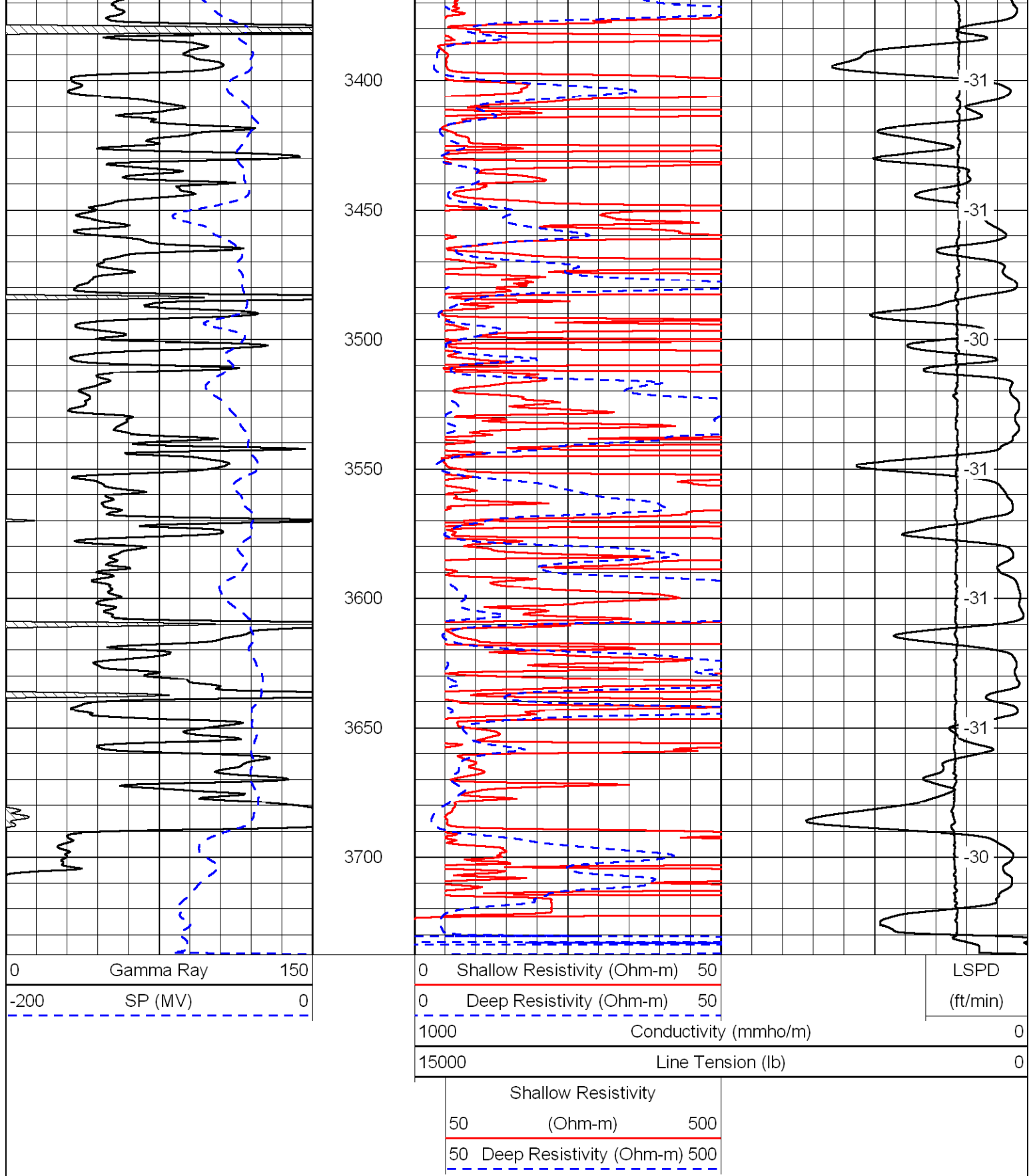
3200

3250

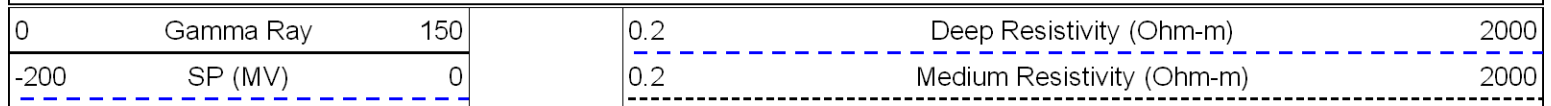
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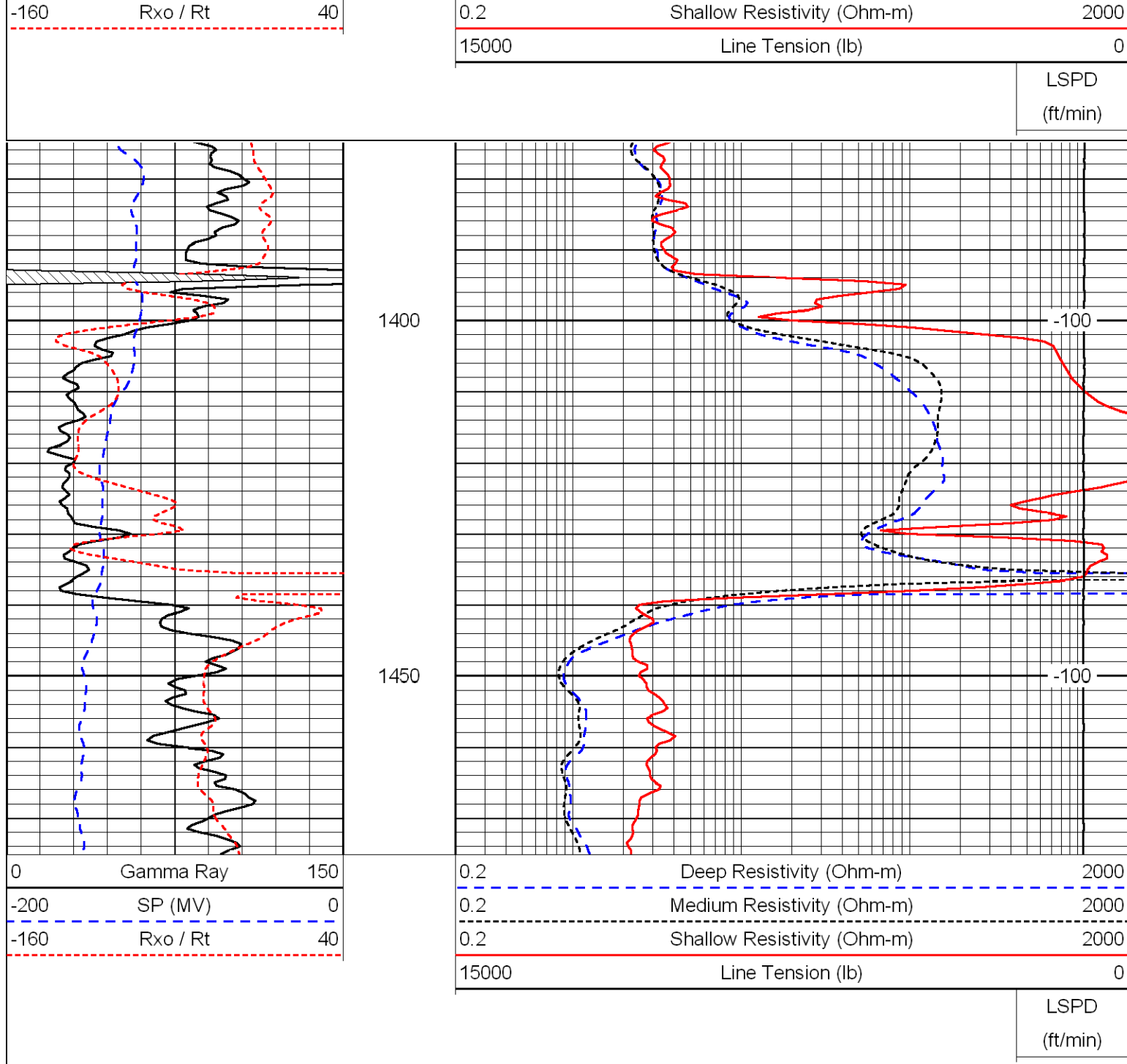
3350



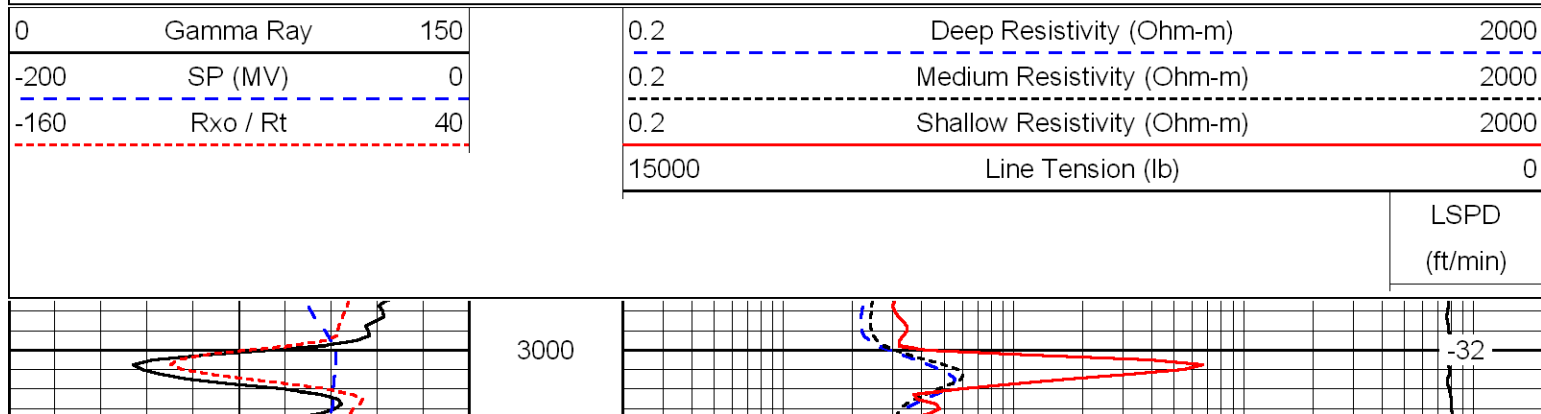


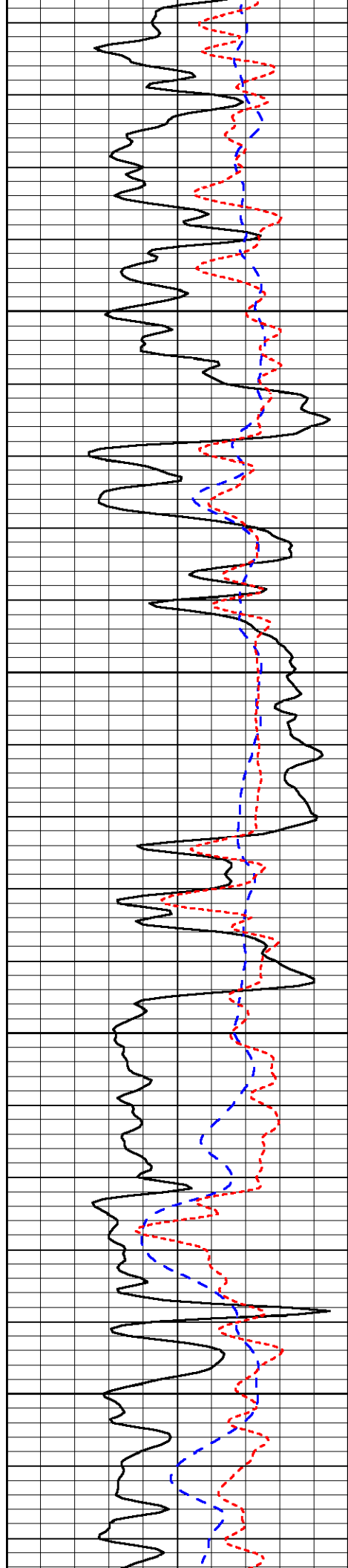
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 Presentation Format: dil
 Dataset Creation: Sun Jan 24 05:13:38 2010
 Charted by: Depth in Feet scaled 1:240





Database File: c:\warrior\data\bowman_arnhold no. 1\bowhd.db
Dataset Pathname: DIL/bowstk
Presentation Format: dil
Dataset Creation: Sun Jan 24 05:13:38 2010
Charted by: Depth in Feet scaled 1:240



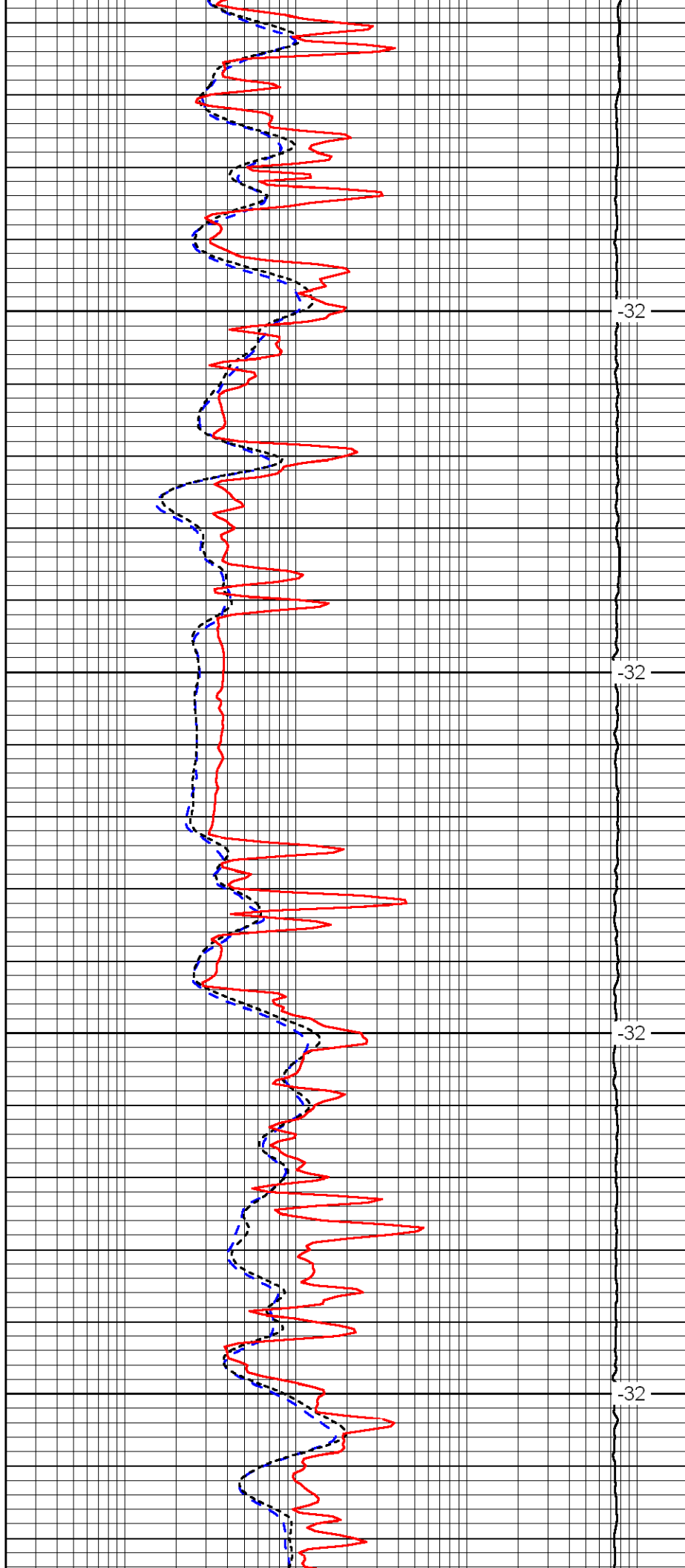


3050

3100

3150

3200

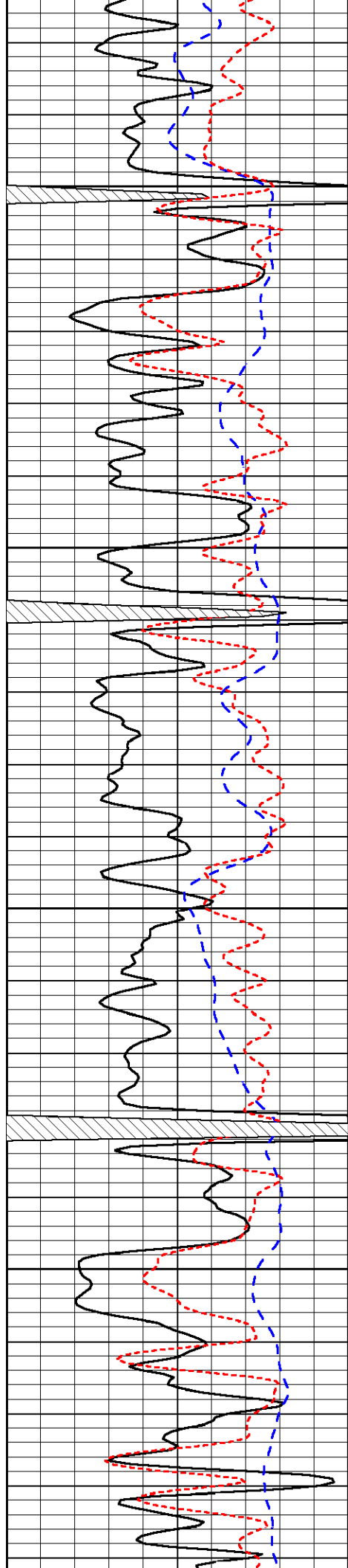


-32

-32

-32

-32

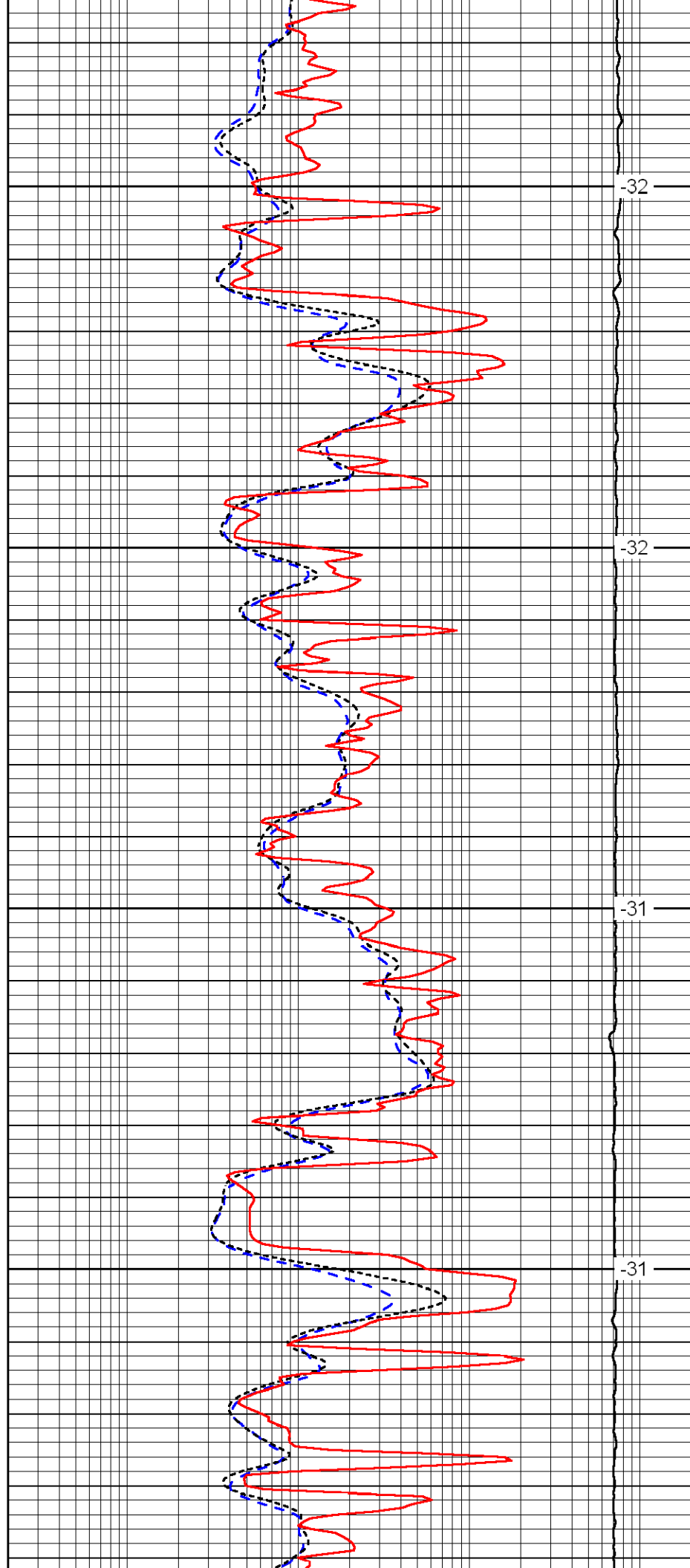


3250

3300

3350

3400

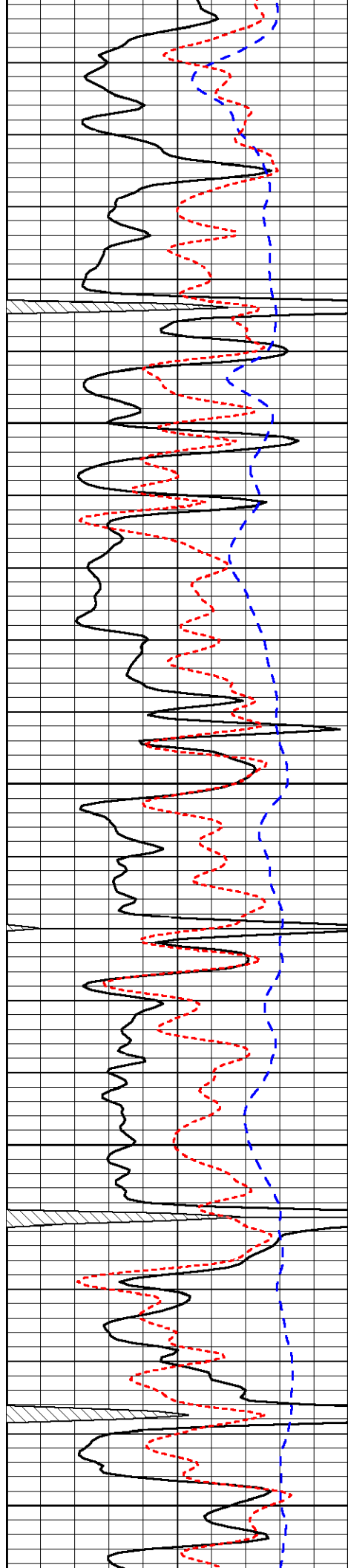


-32

-32

-31

-31



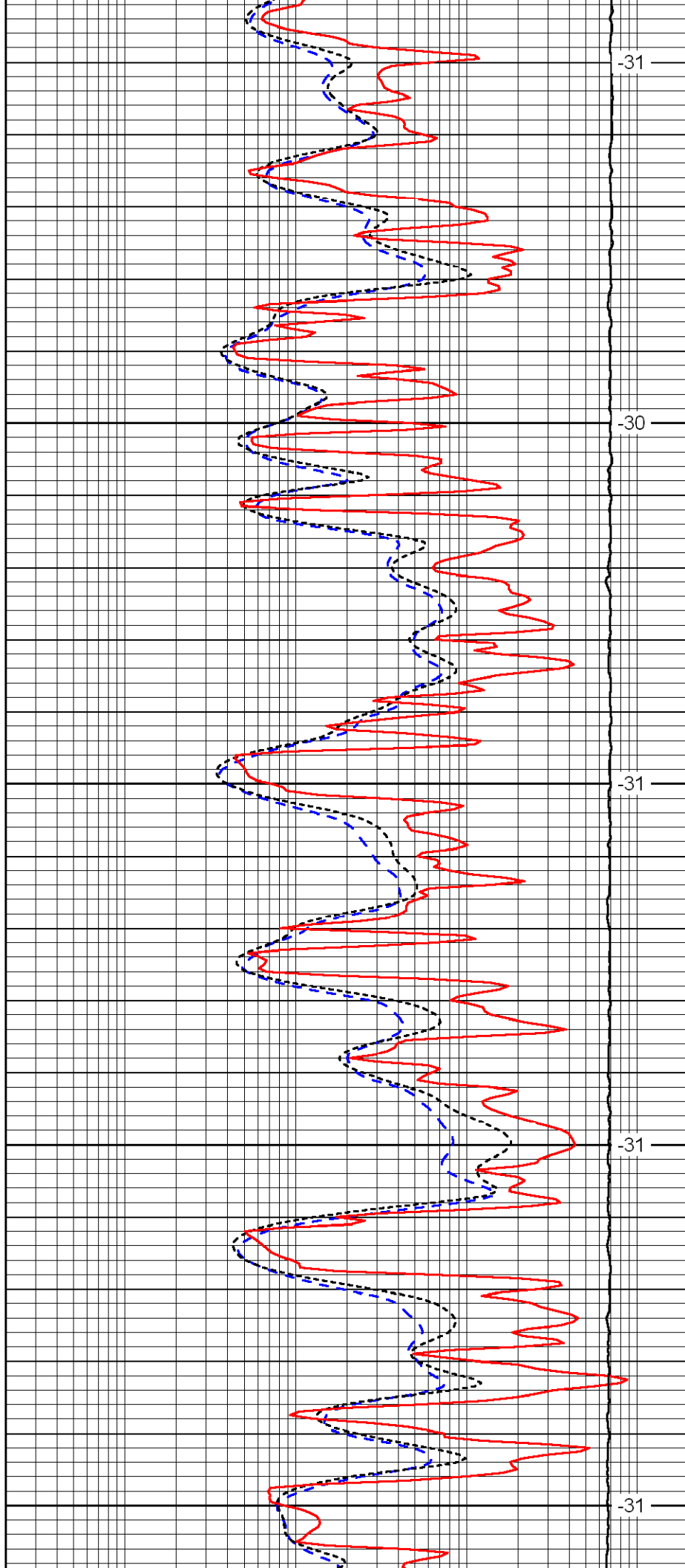
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3500

3550

3600

3650



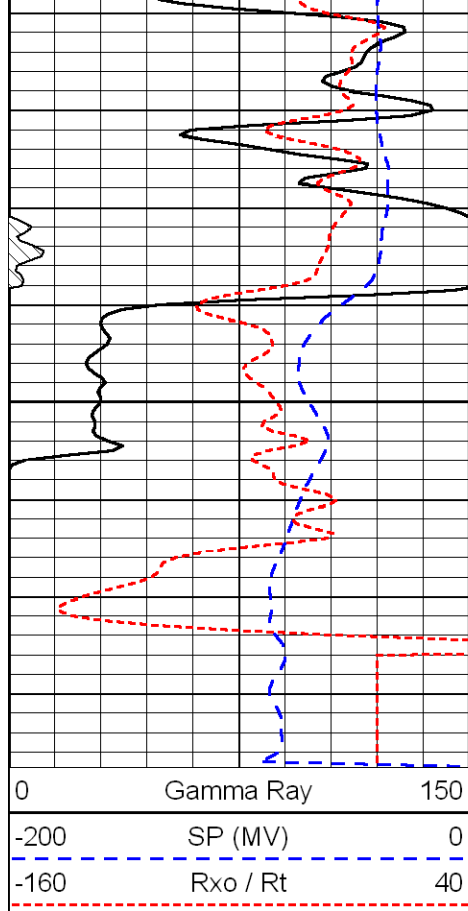
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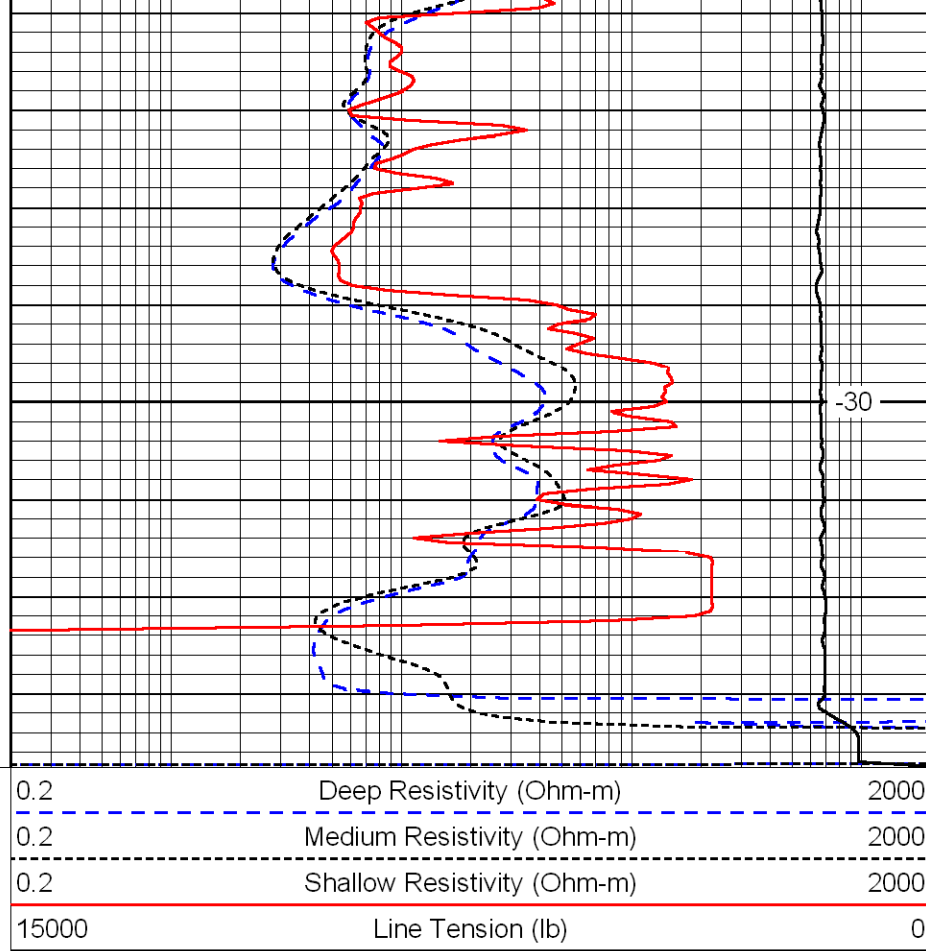
-31

-31

-31



3700



LSPD
(ft/min)