



# Dual Induction Log

Pioneer Energy Services

API No.

15-009-26,022-00-00

Company Yale Oil Association, Inc.

Well Brian #1-6

Field Trapp

County Barton

State

Kansas

Location

S2-SW-NW  
2970' FSL & 660' FWL

Other Services  
CNL/CDL  
MEL

Sec: 6

Twp: 16S

Rge: 13W

Elevation

Permanent Datum Ground Level

Elevation 1908

Log Measured From Kelly Bushing

10 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

K.B. 1918  
D.F. 1908  
G.L. 1908

Date

9/5/2014

Run Number

One

Depth Driller

3328

Depth Logger

3325

Bottom Logged Interval

3324

Top Log Interval

400

Casing Driller

8.625 @ 440

Casing Logger

438

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

5400

Density / Viscosity

9.0 50

pH / Fluid Loss

11.5 7.8

Source of Sample

Flowline

Rm @ Meas. Temp

0.65 @ 80

Rmf @ Meas. Temp

0.49 @ 80

Rmc @ Meas. Temp

0.88 @ 80

Source of Rmf / Rmc

Charts

Rm @ BHT

0.48 @ 109

Operating Rig Time

4 Hours

Max Rec. Temp. F

109

Equipment Number

15

Location

Hays

Recorded By

D. Kerr

Witnessed By

Kurt Talbott

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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.pioneerres.com  
785 625 3858

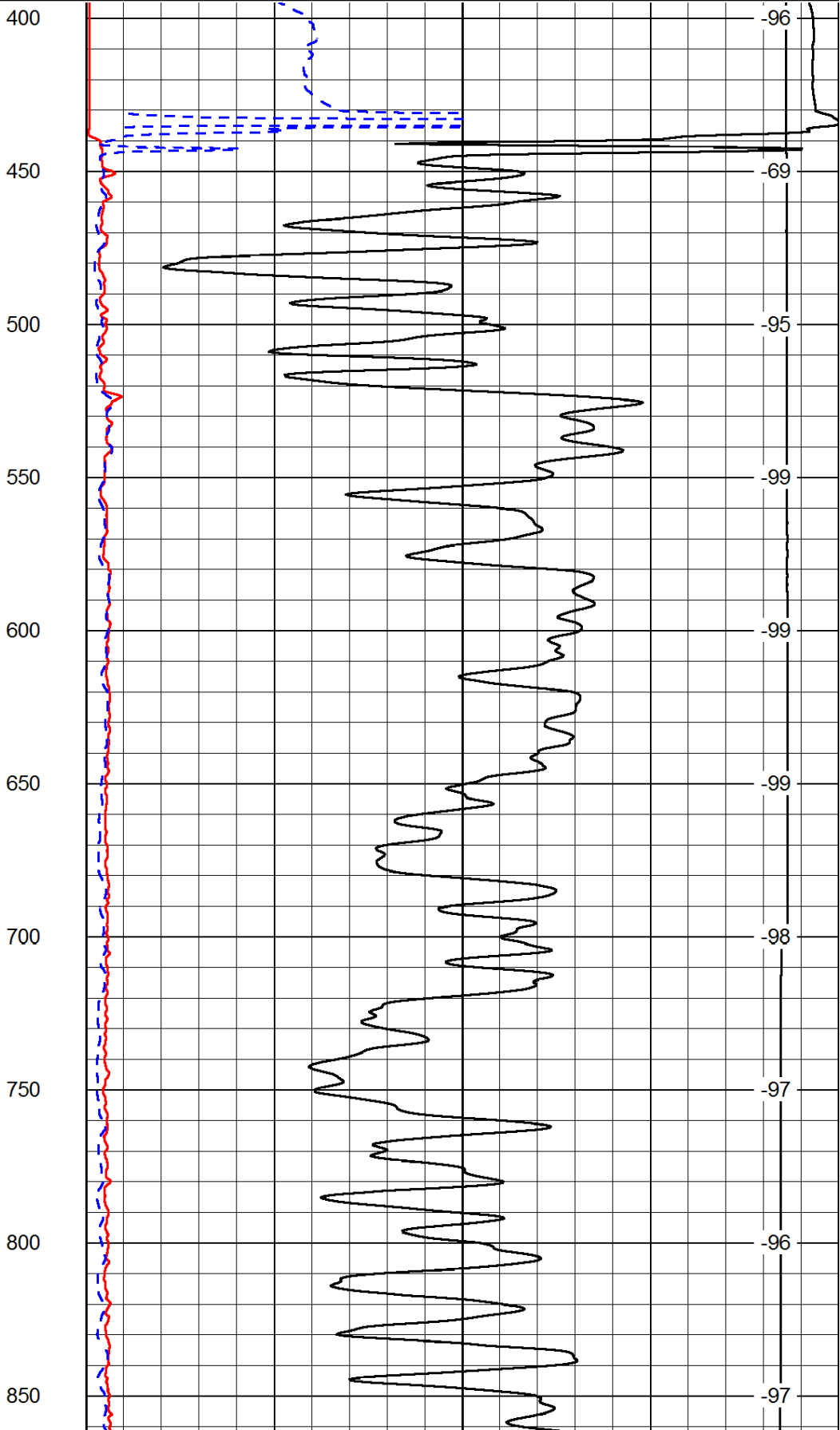
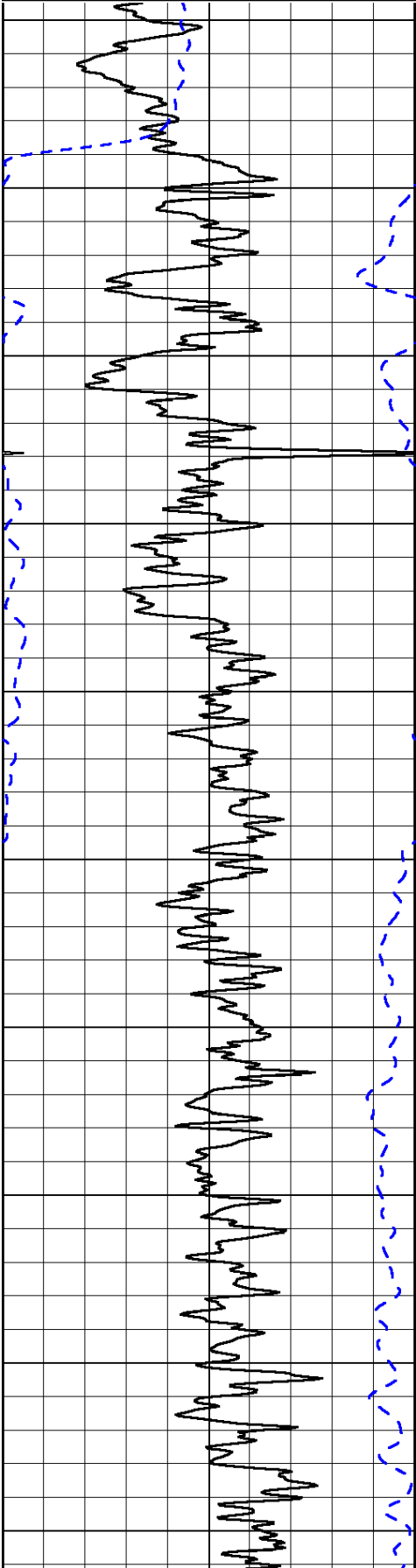
Susank KS, 3 North, 2 West,  
1/2 North, East Into

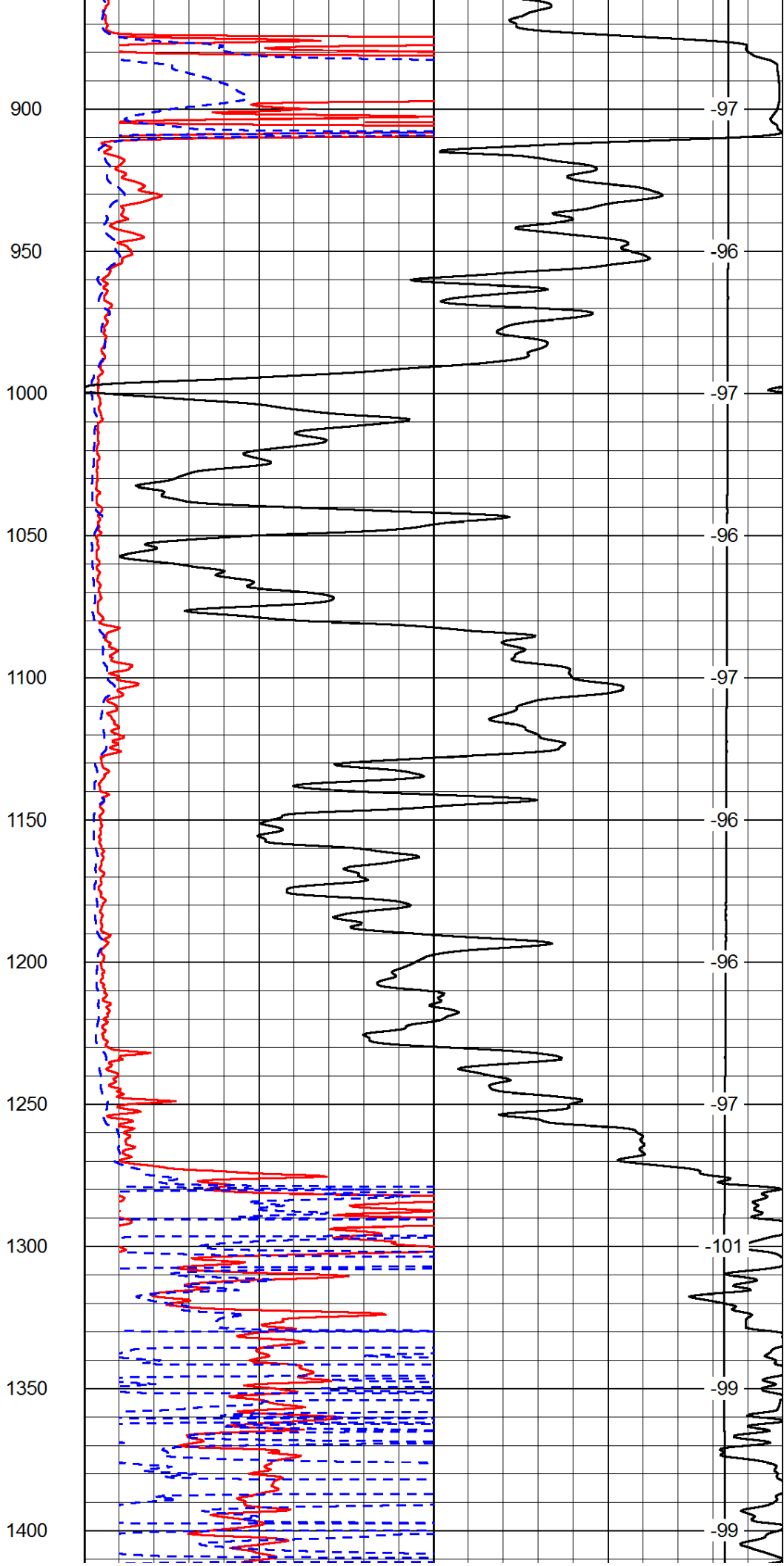
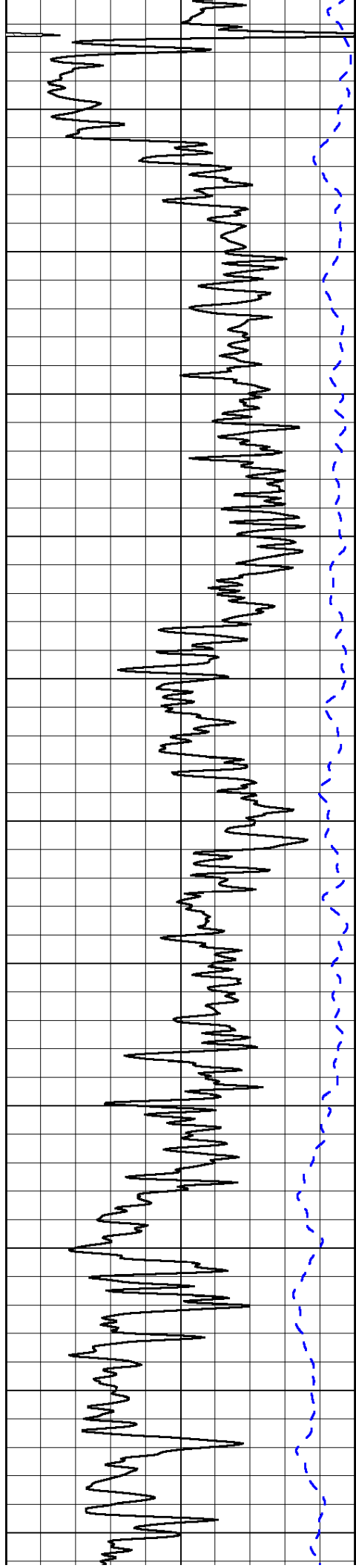
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Presentation Format: dil2in  
Dataset Creation: Fri Sep 05 06:17:45 2014  
Charted by: Depth in Feet scaled 1:600

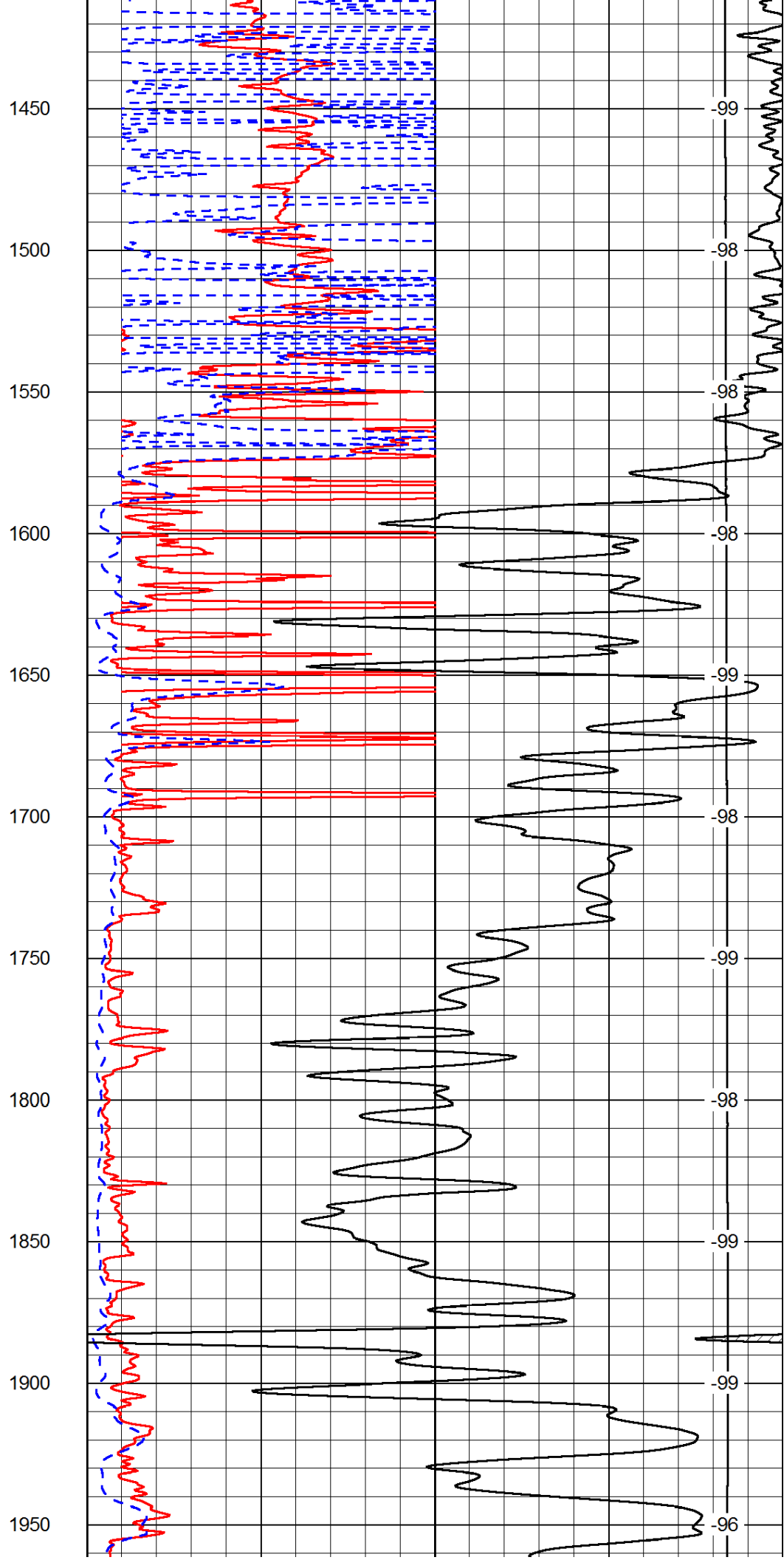
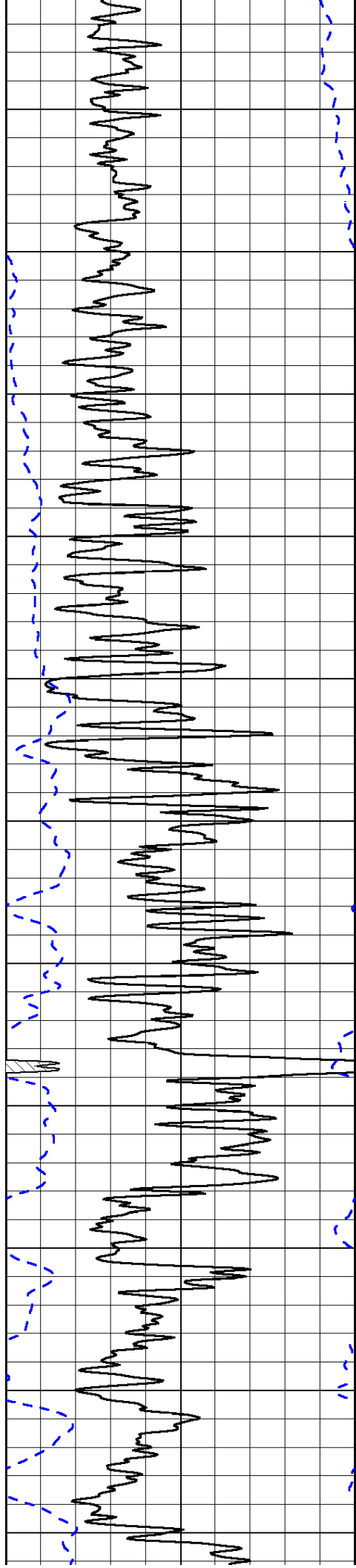
|      |           |     |
|------|-----------|-----|
| 0    | Gamma Ray | 150 |
| -200 | SP (mV)   | 0   |

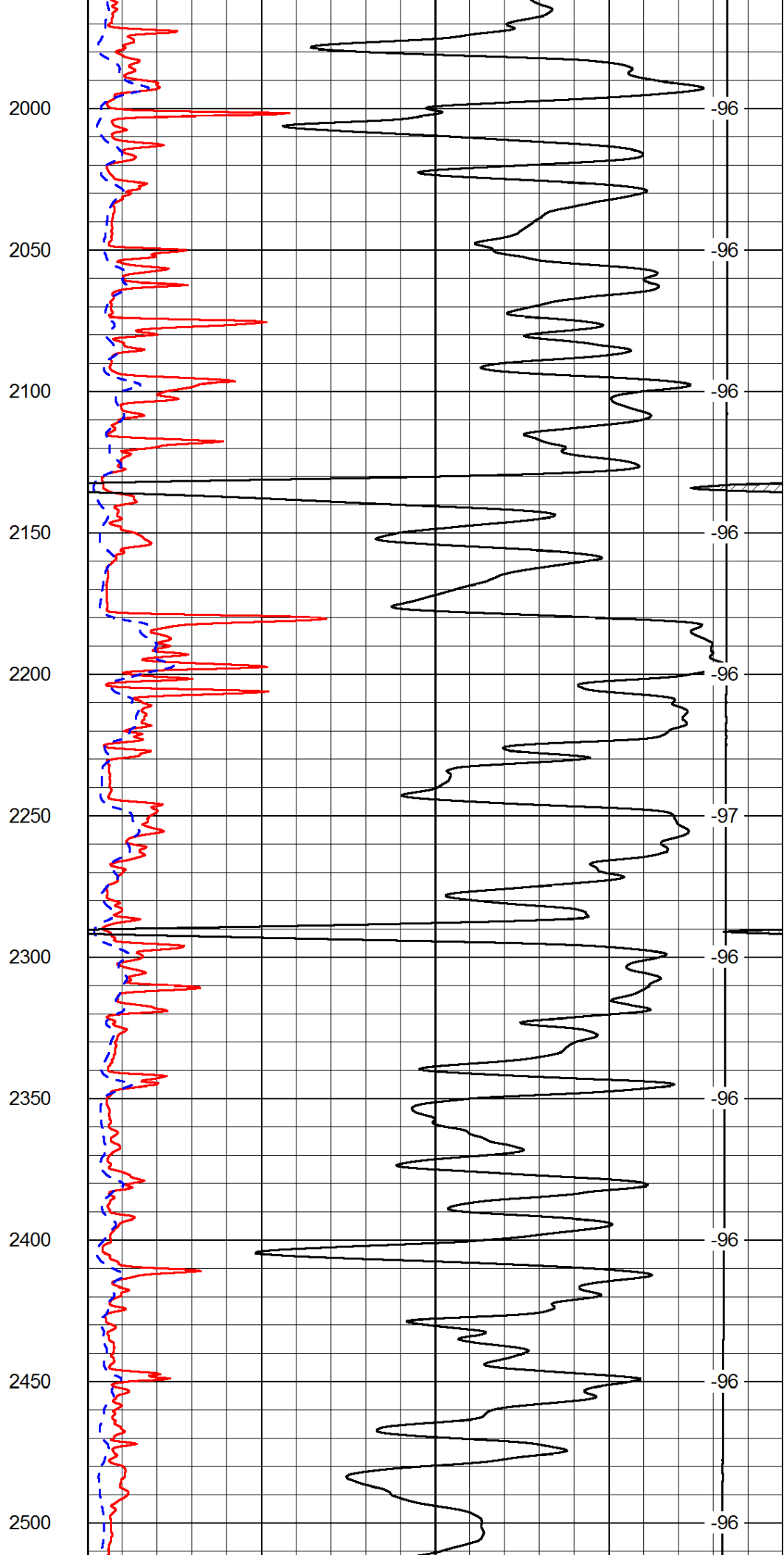
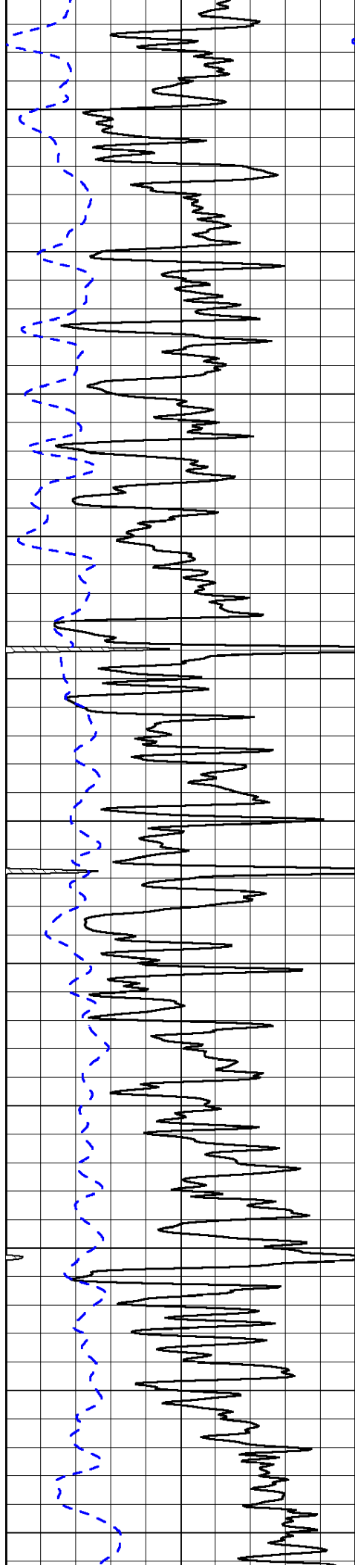
|       |                     |     |
|-------|---------------------|-----|
| 0     | Shallow Resistivity | 50  |
| 0     | Deep Resistivity    | 50  |
| 1000  | Conductivity        | 0   |
| 15000 | Line Tension        | 0   |
| 50    | Shallow Resistivity | 500 |
| 50    | Deep Resistivity    | 500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

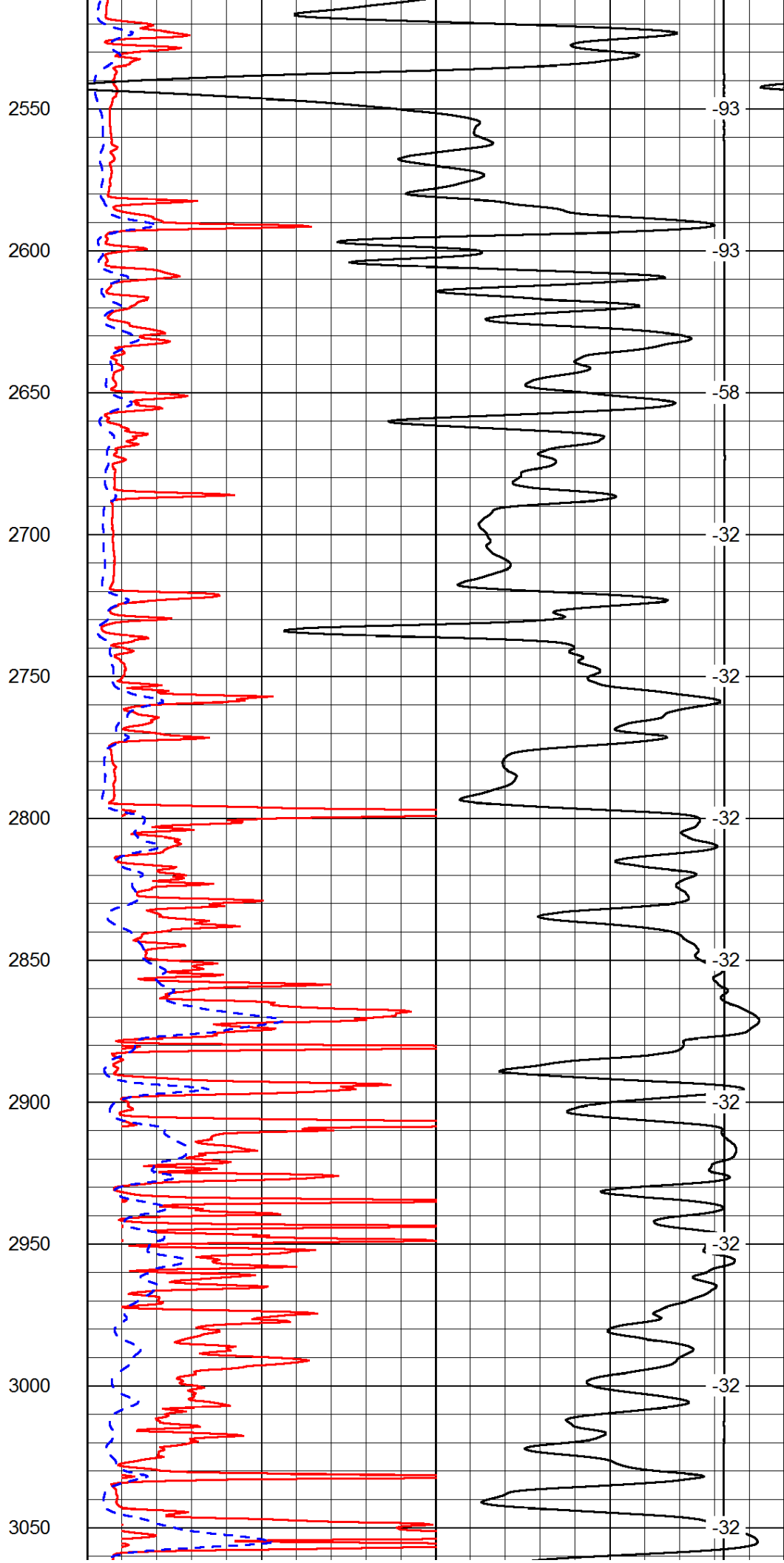
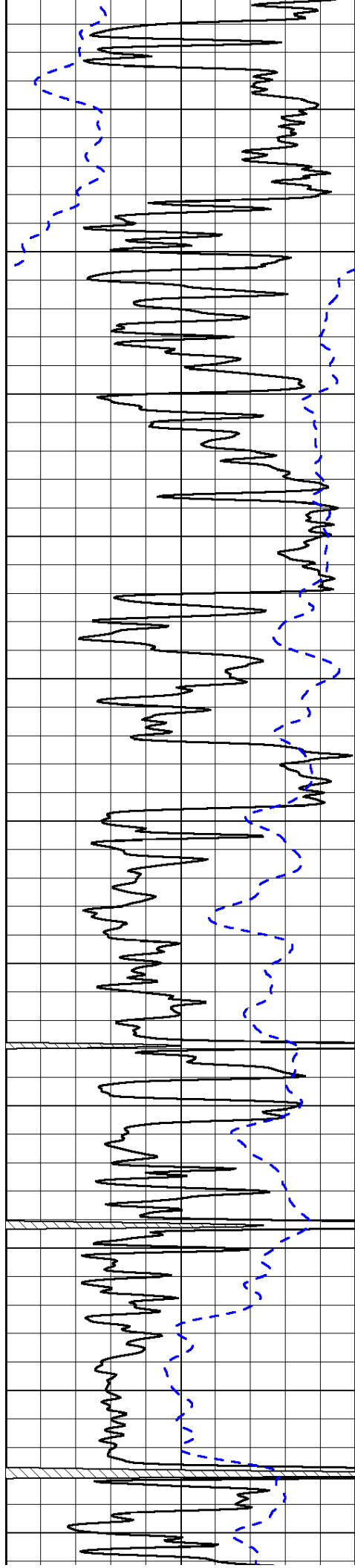
|      |
|------|
| LSPD |
| 0    |
| 0    |

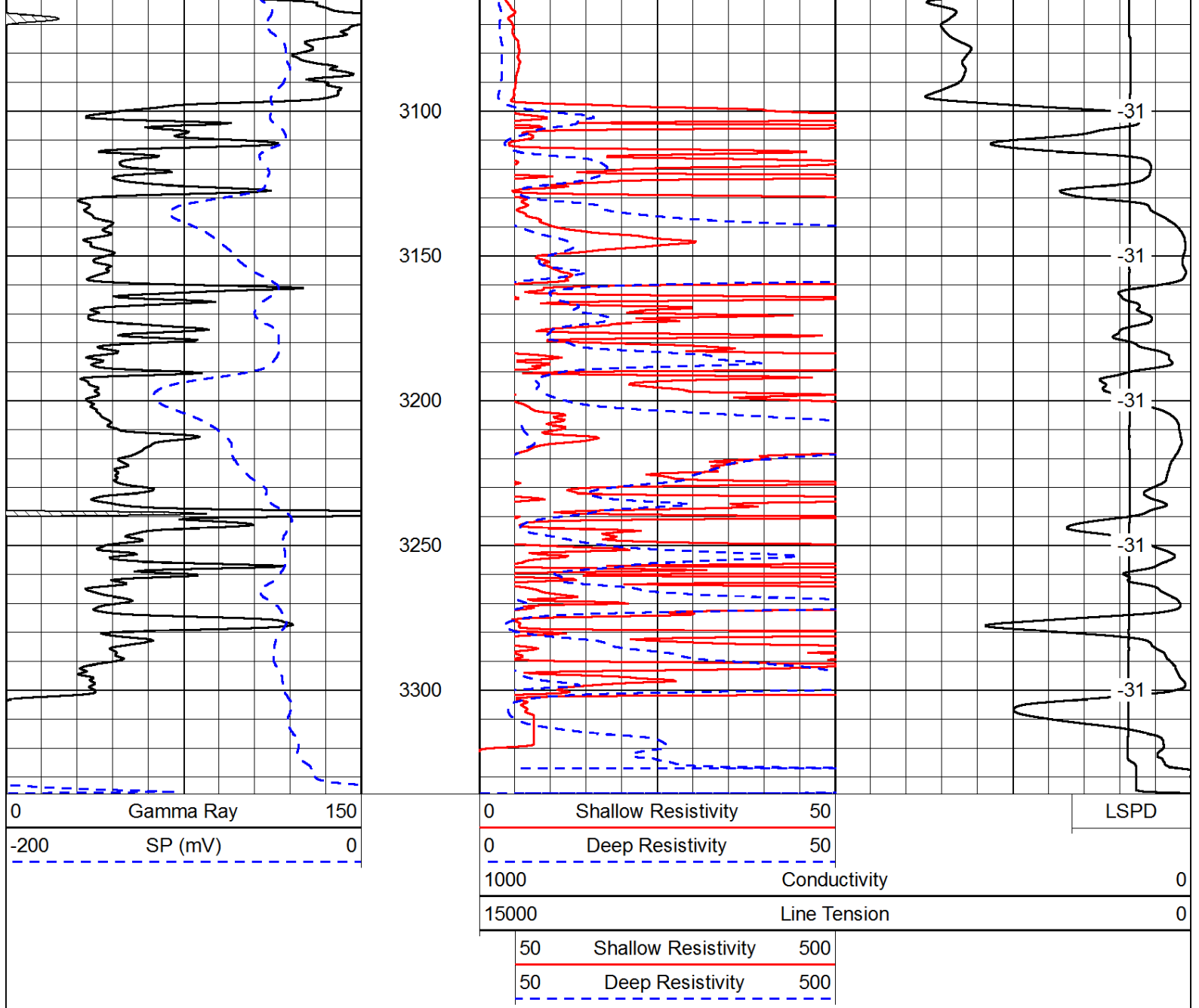




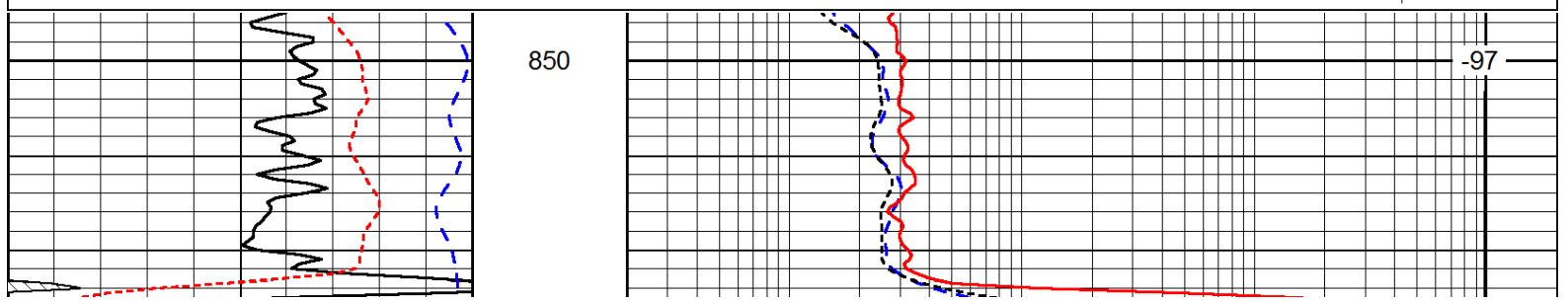
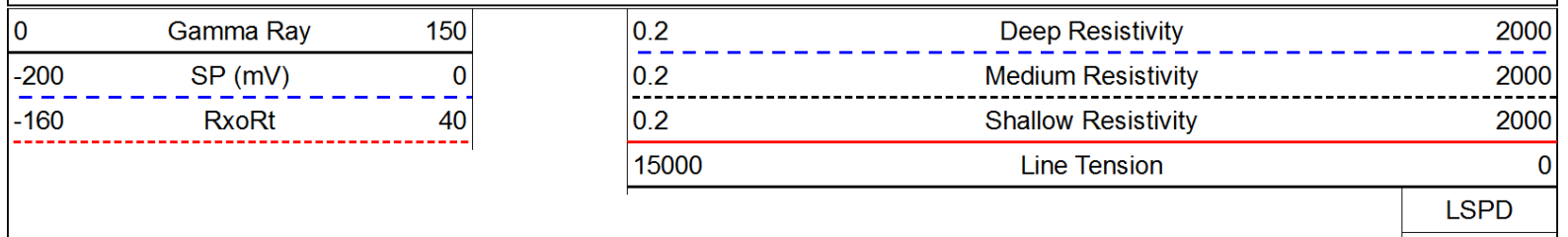


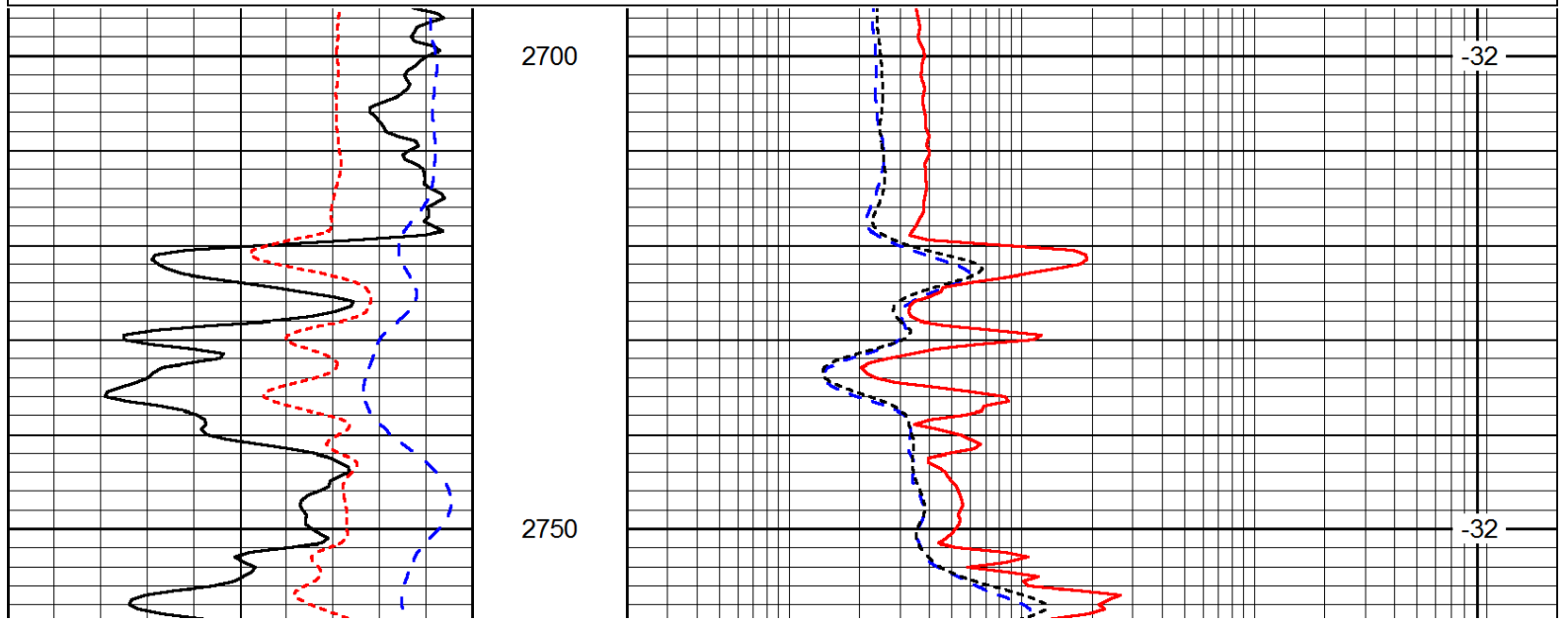
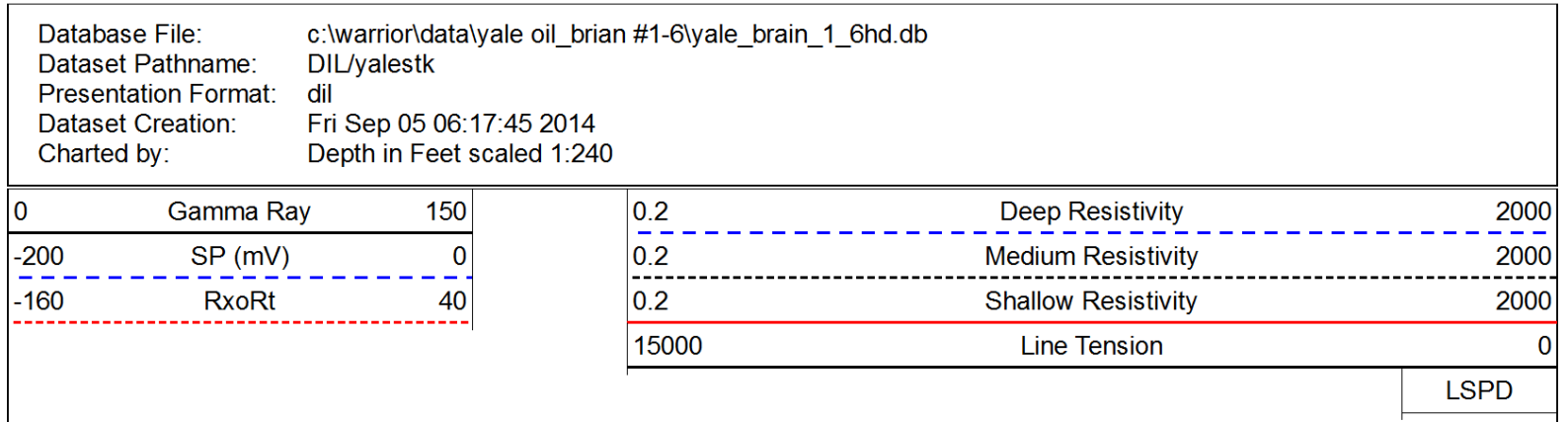
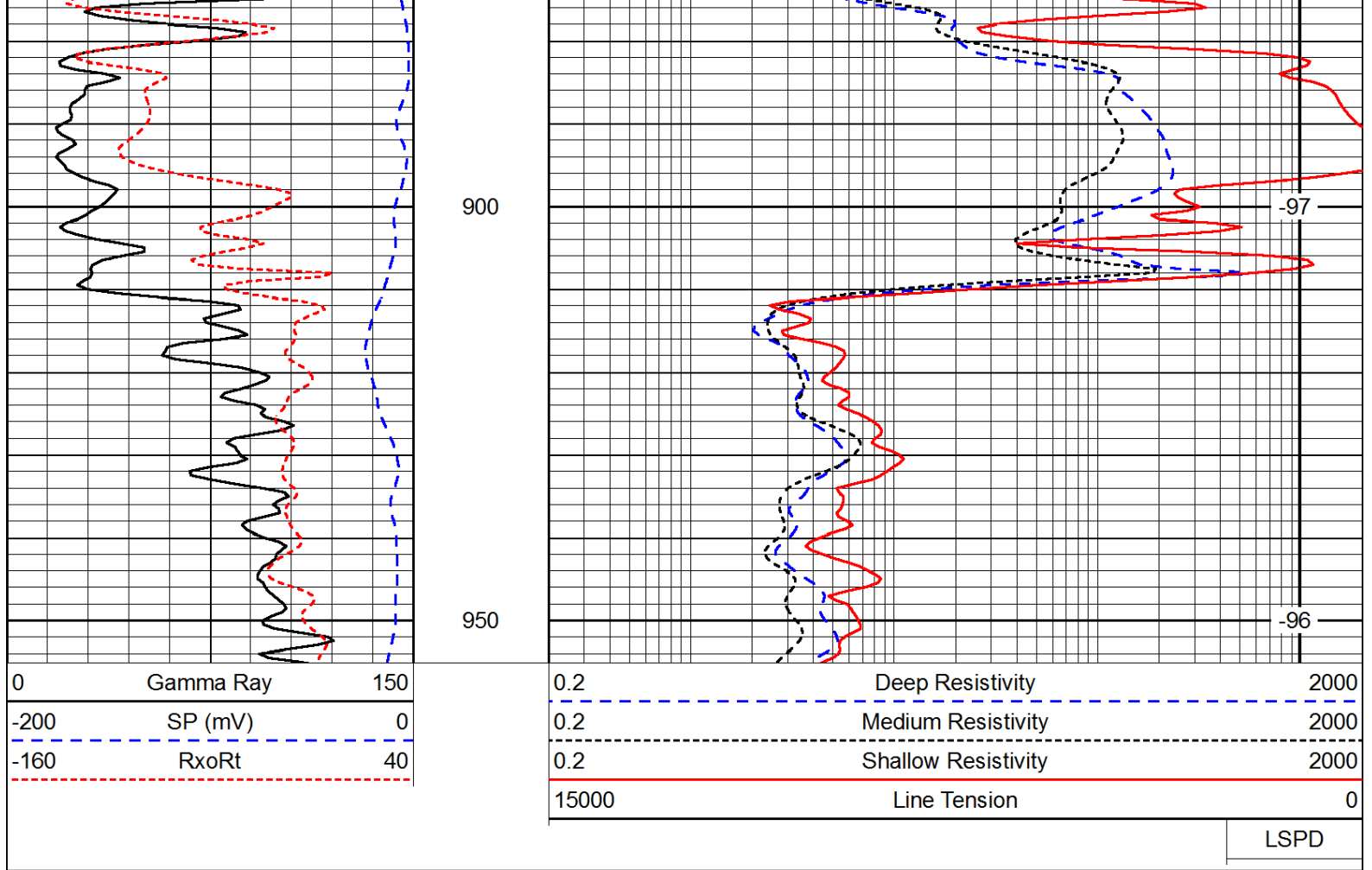


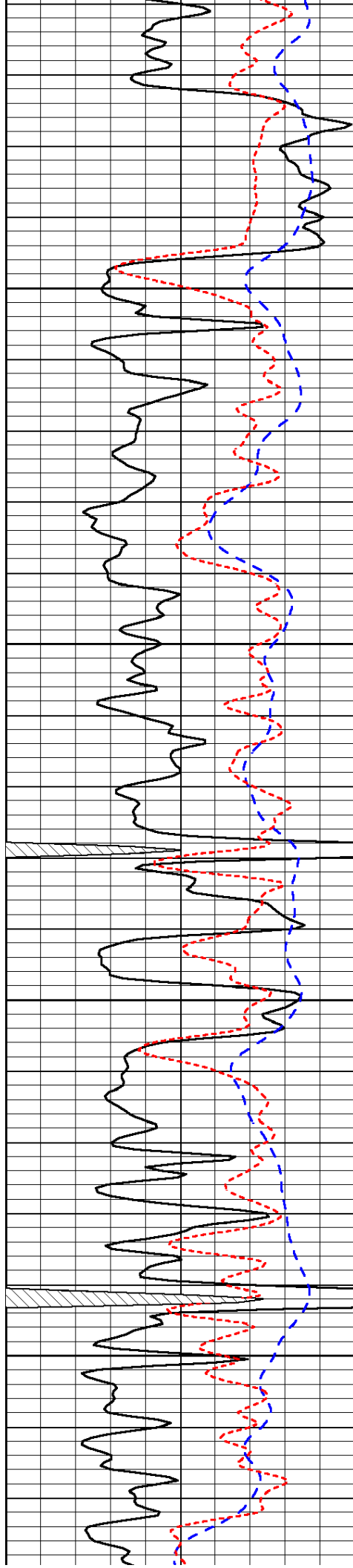




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 Presentation Format: dil  
 Dataset Creation: Fri Sep 05 06:17:45 2014  
 Charted by: Depth in Feet scaled 1:240





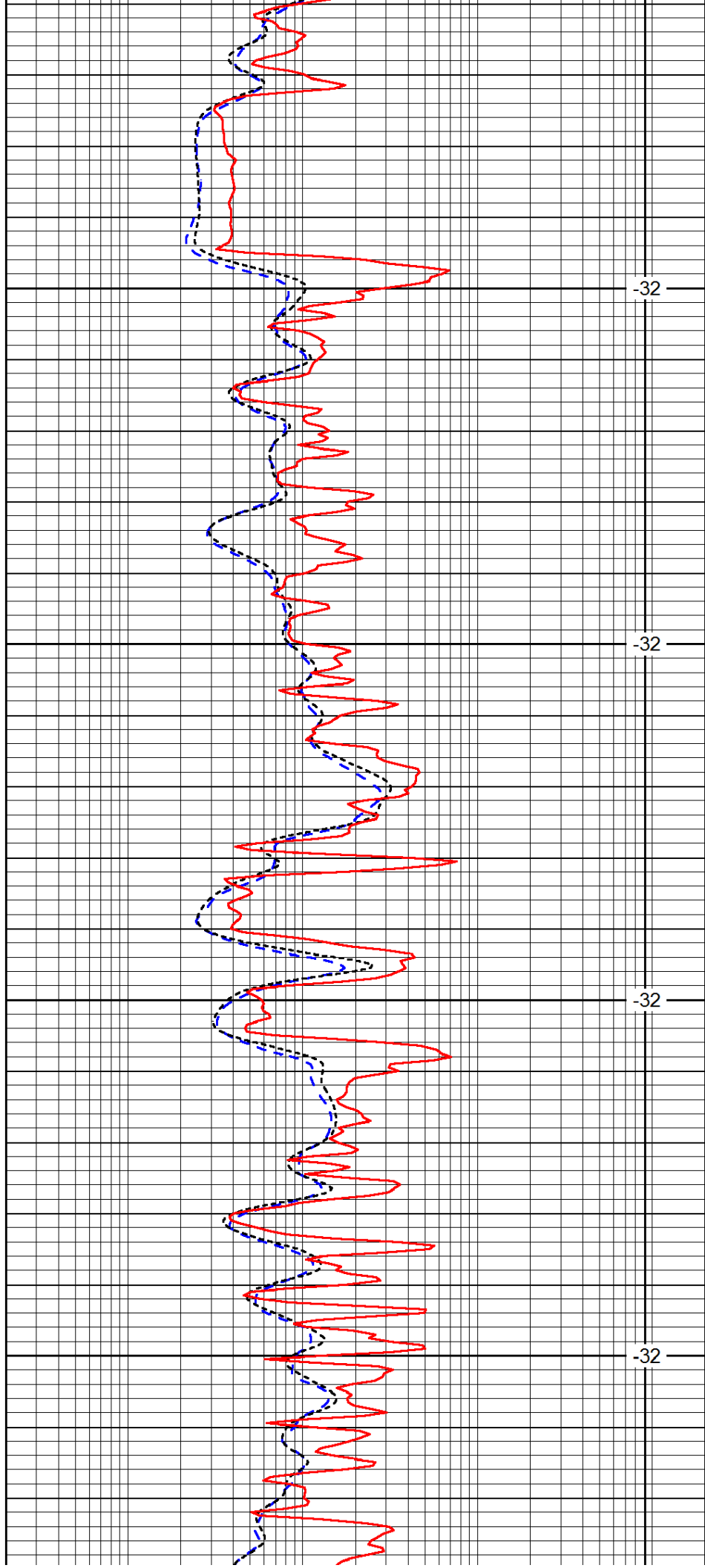


2800

2850

2900

2950

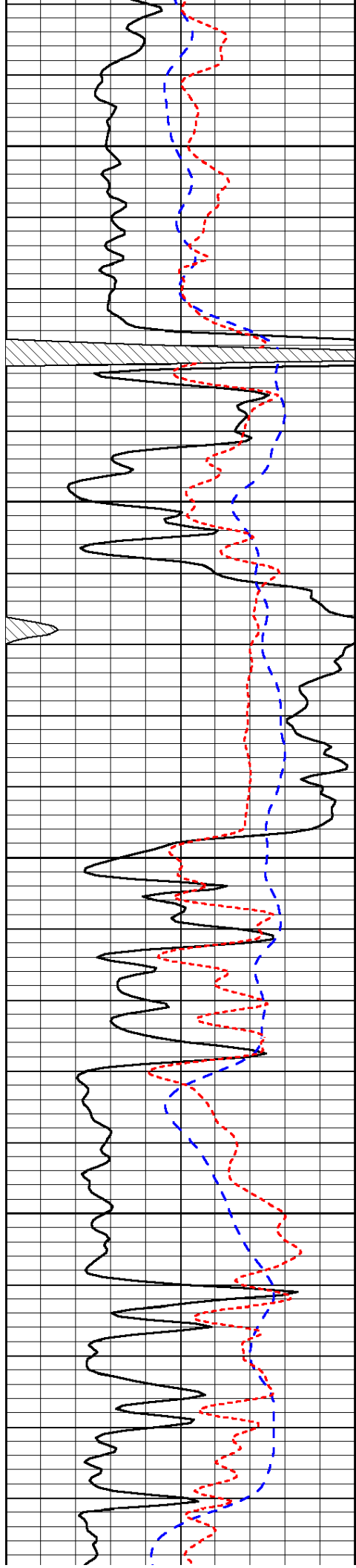


-32

-32

-32

-32



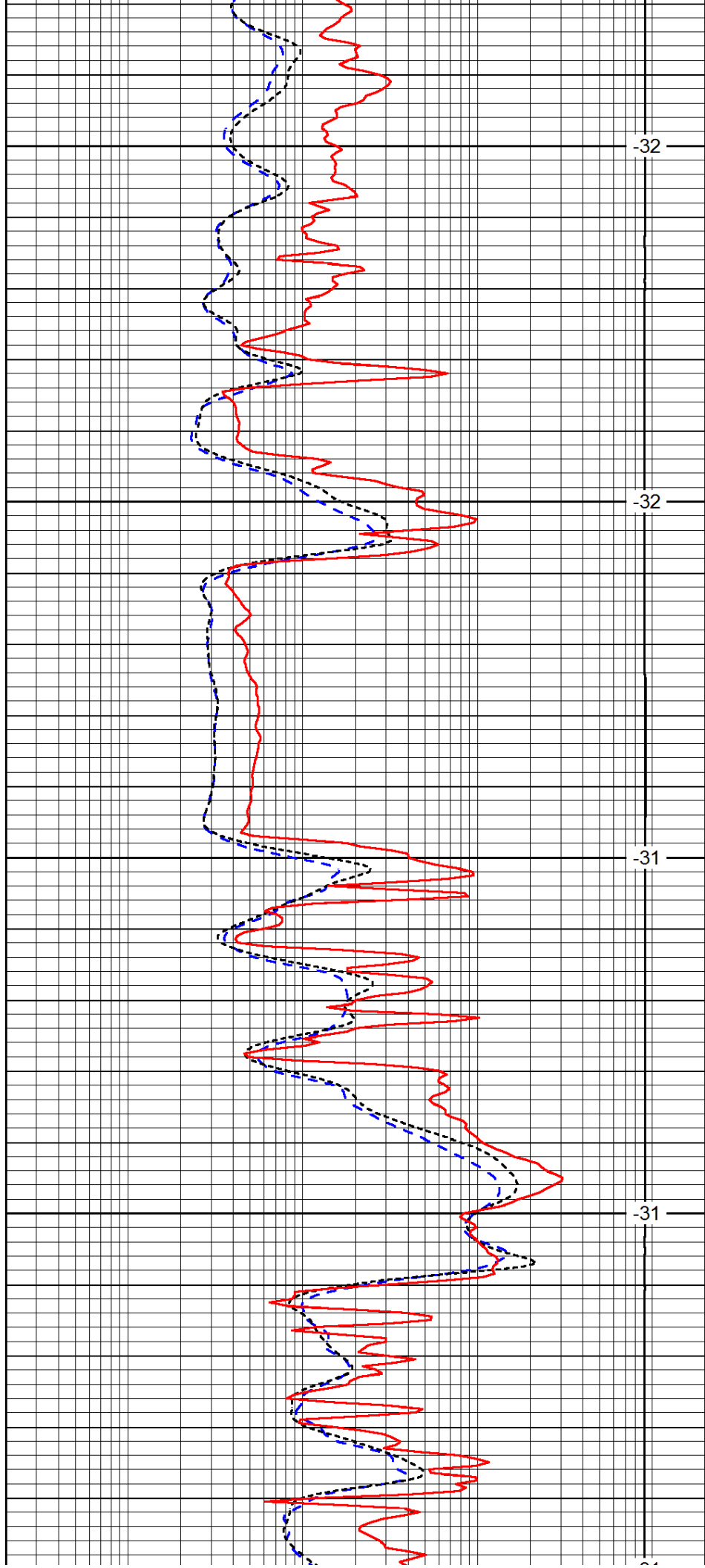
3000

3050

3100

3150

3200



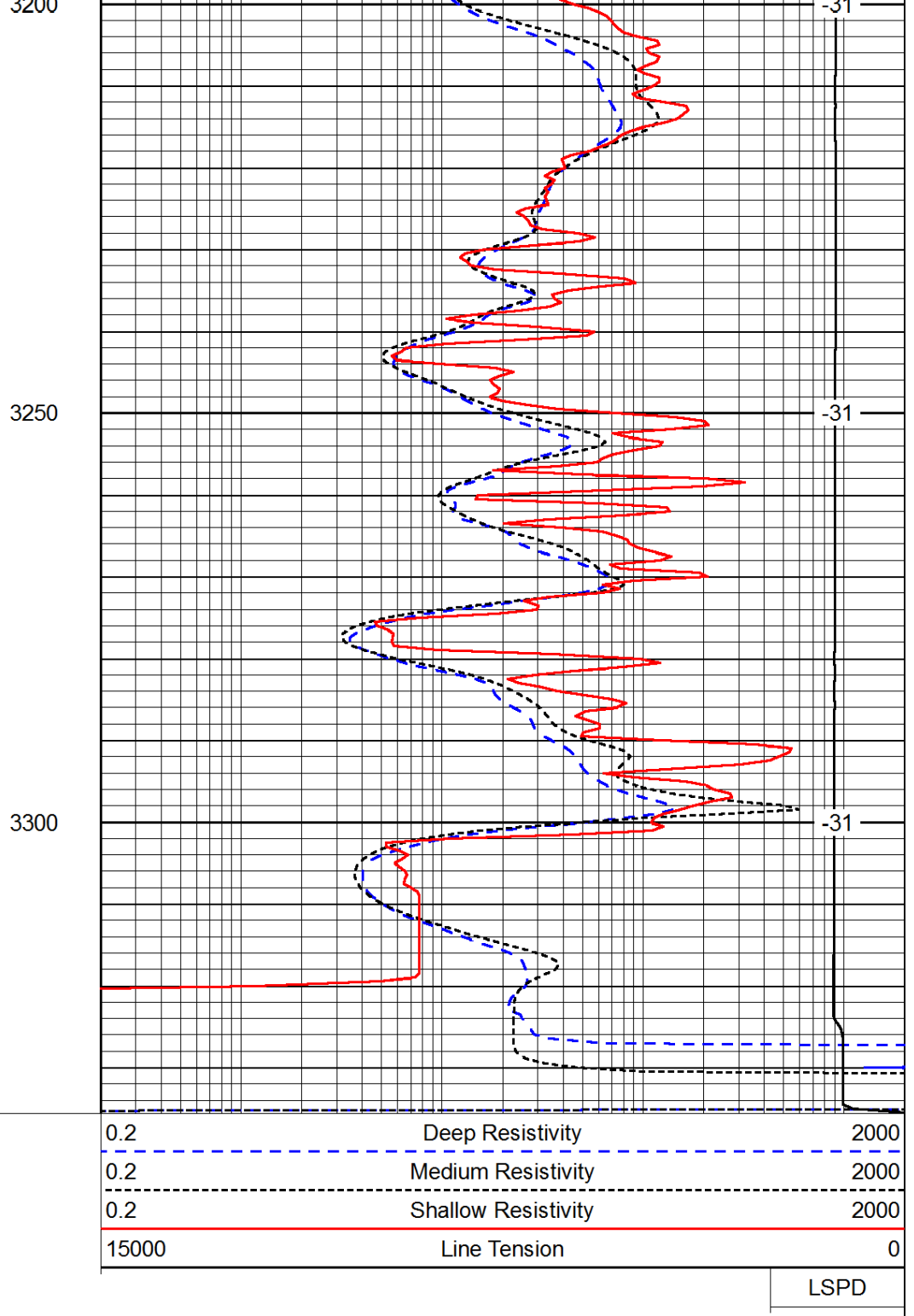
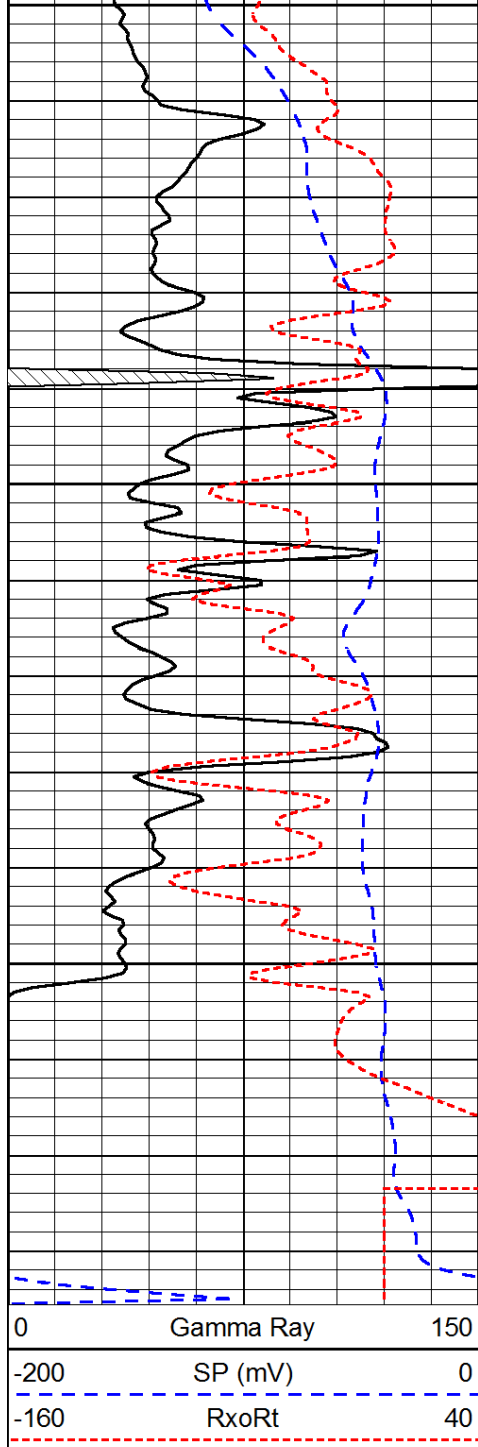
-32

-32

-31

-31

-30



LSPD