



## Dual Compensated Porosity Log

DIGITAL LOG (785) 625-3858

API No.

15-135-25,111-00-00

Company G&T Petroleum Consulting & Man., LLC.

Well Shirley No. 1A

Field Upstart  
County Ness  
State Kansas

Location 585' FSL & 2310' FEL

Sec: 14 Twp: 17 S Rge: 21 W

Other Services  
DIL  
MEL/BHCS

Permanent Datum Ground Level Elevation 2175

Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

K.B. 2182  
D.F.  
G.L. 2175

Date 8/10/2010

Run Number One

Type Log CNL / CDL

Depth Driller 4275

Depth Logger 4275

Bottom Logged Interval 4254

Top Logged Interval 3000

Type Fluid In Hole Chemical

Salinity, PPM CL 4,000

Density 9.2

Level Full

Max. Rec. Temp. F 121

Operating Rig Time 5 Hours

Equipment -- Location 4 Hays

Recorded By K. Bange

Witnessed By Jim Rutherford

John Tanner

Borehole Record

Casing Record

| Run No | Bit   | From | To  | Size  | Wgt. | From | To  |
|--------|-------|------|-----|-------|------|------|-----|
| One    | 12.25 | 00   | 221 | 8.625 | 23#  | 00   | 221 |
| Two    | 7.875 | 221  | TD  |       |      |      |     |
|        |       |      |     |       |      |      |     |
|        |       |      |     |       |      |      |     |
|        |       |      |     |       |      |      |     |
|        |       |      |     |       |      |      |     |
|        |       |      |     |       |      |      |     |
|        |       |      |     |       |      |      |     |
|        |       |      |     |       |      |      |     |
|        |       |      |     |       |      |      |     |

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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

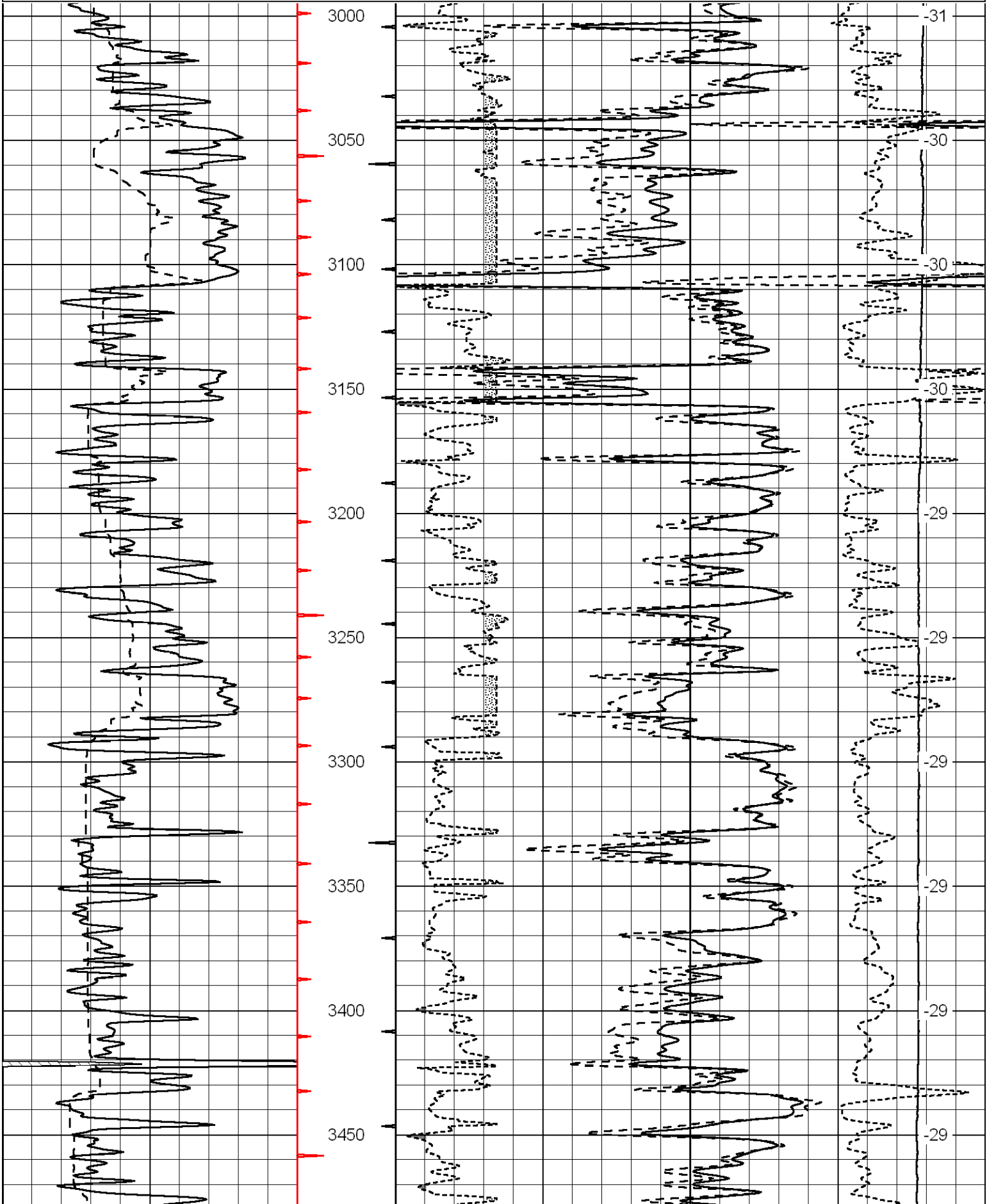
Thank you for using Log-Tech, Inc.  
(785) 625-3858

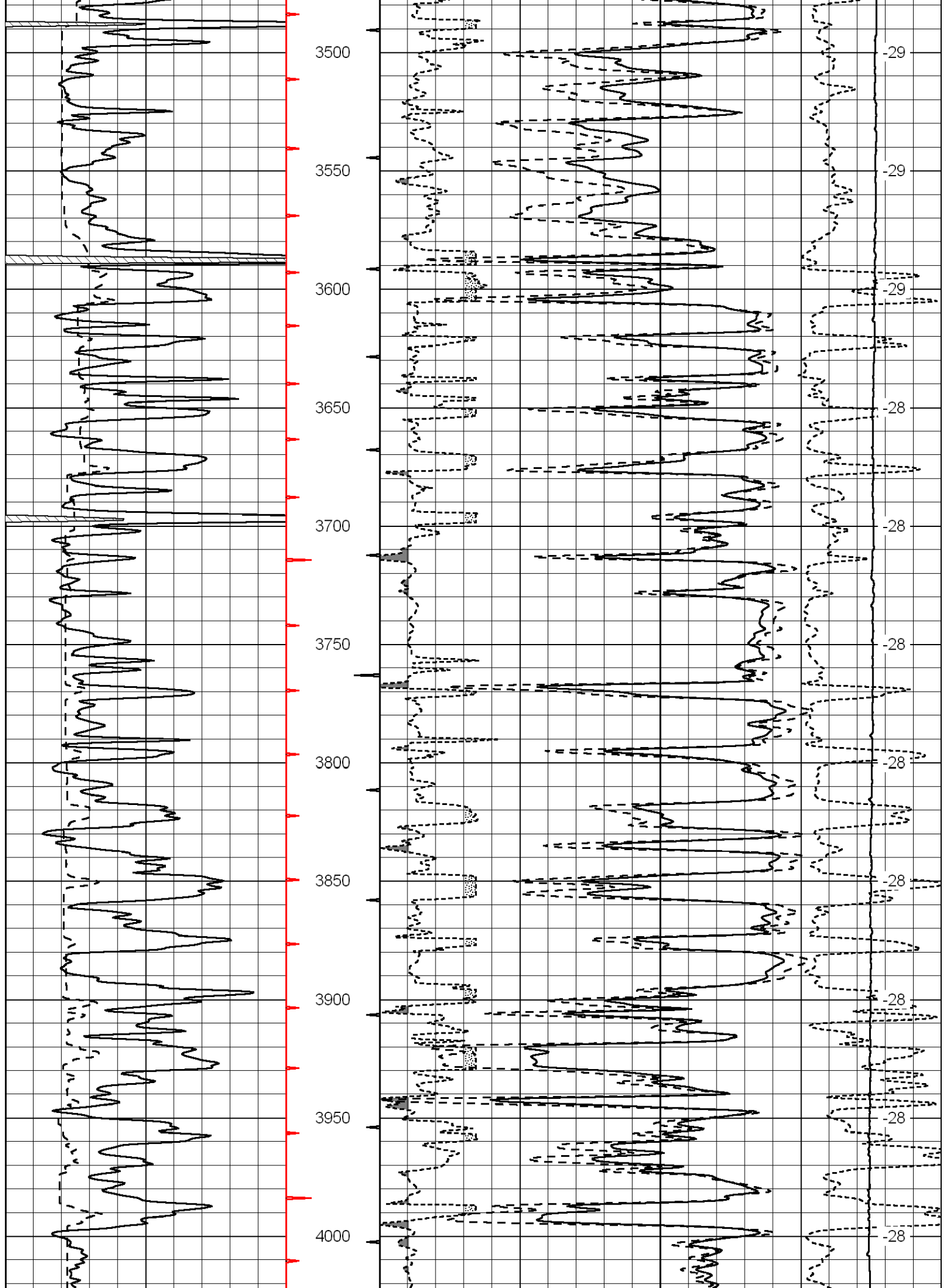
McCracken, S past RR tracks, 2 W to Il rd, 1 S, 1/2 W, N into

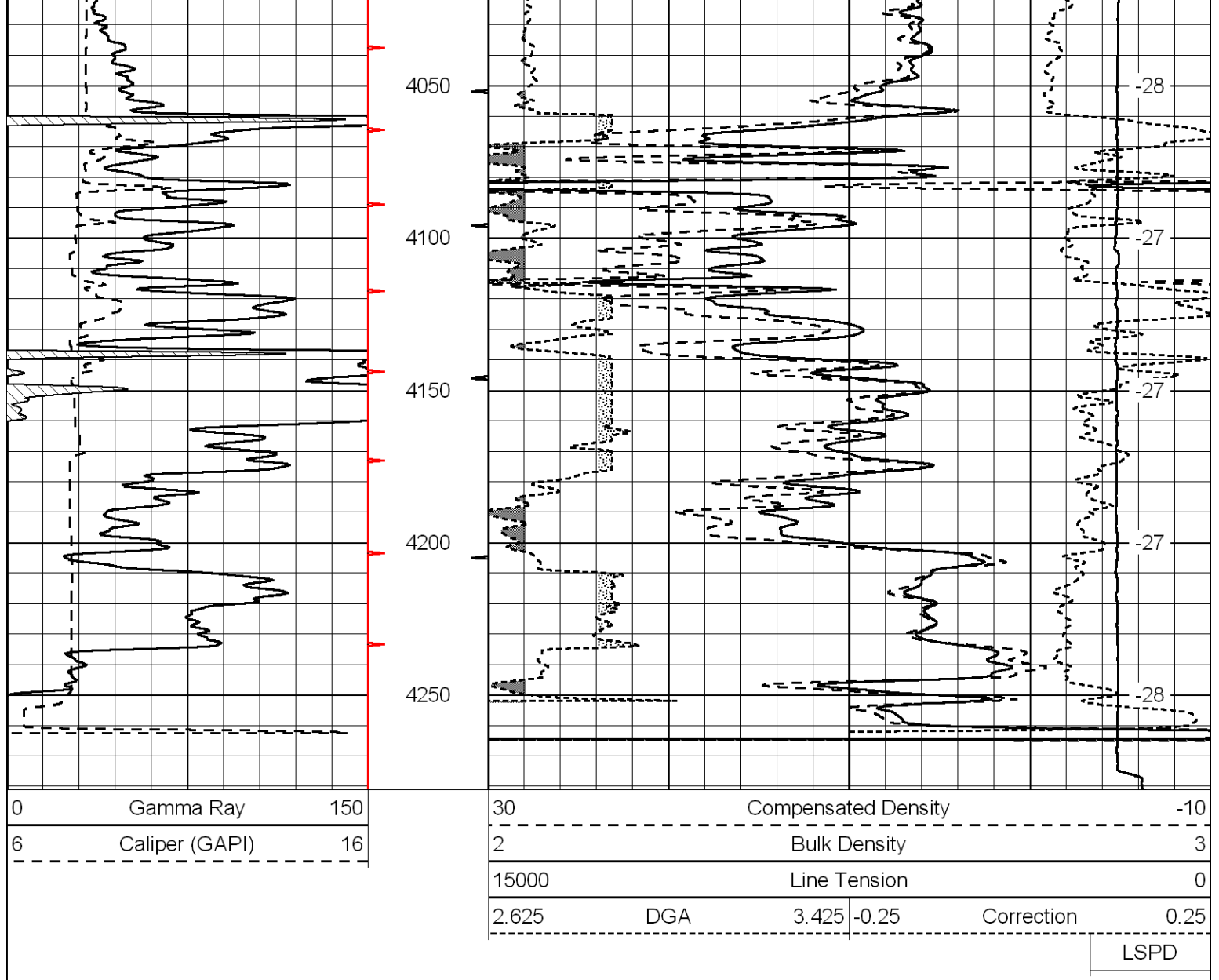
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Presentation Format: cdl  
Dataset Creation: Tue Aug 10 05:09:08 2010  
Charted by: Depth in Feet scaled 1:600

|   |                |     |
|---|----------------|-----|
| 0 | Gamma Ray      | 150 |
| 6 | Caliper (GAPI) | 16  |

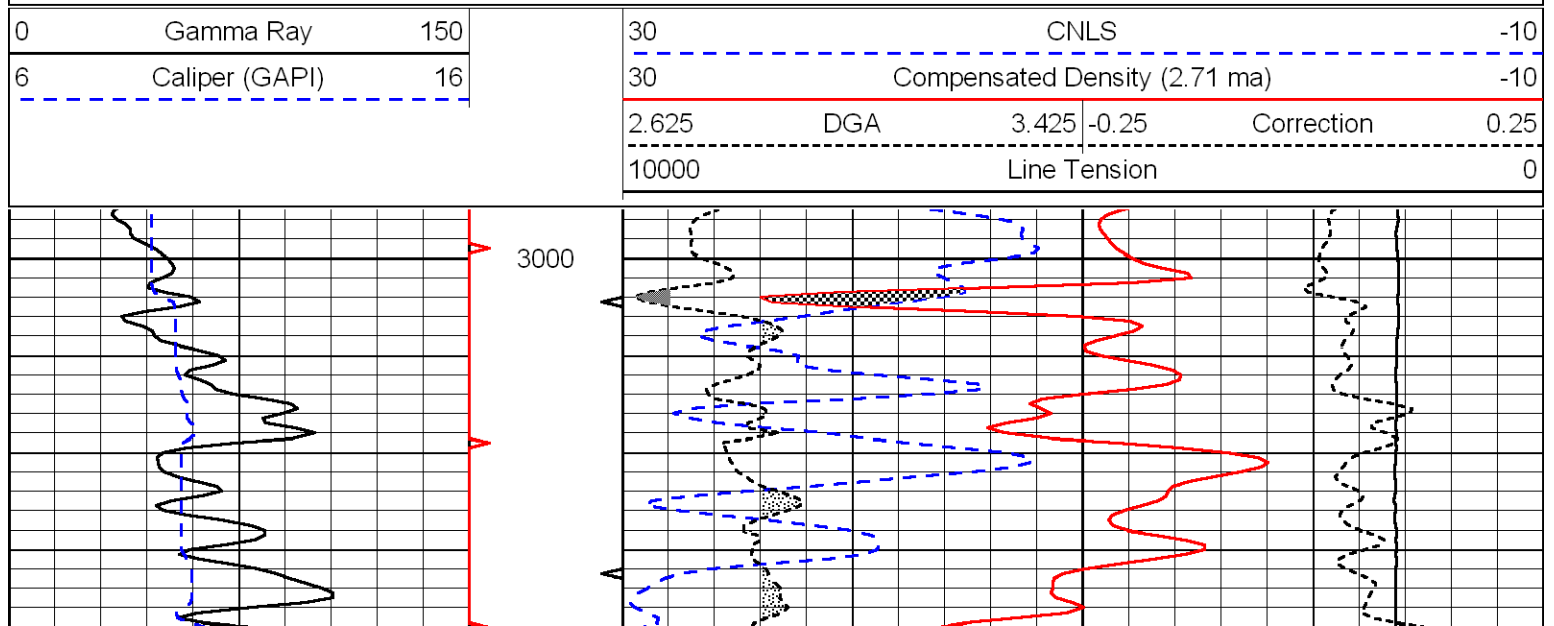
|       |                     |       |       |            |      |
|-------|---------------------|-------|-------|------------|------|
| 30    | Compensated Density |       |       |            | -10  |
| 2     | Bulk Density        |       |       |            | 3    |
| 15000 | Line Tension        |       |       |            | 0    |
| 2.625 | DGA                 | 3.425 | -0.25 | Correction | 0.25 |
|       |                     |       |       |            | LSPD |

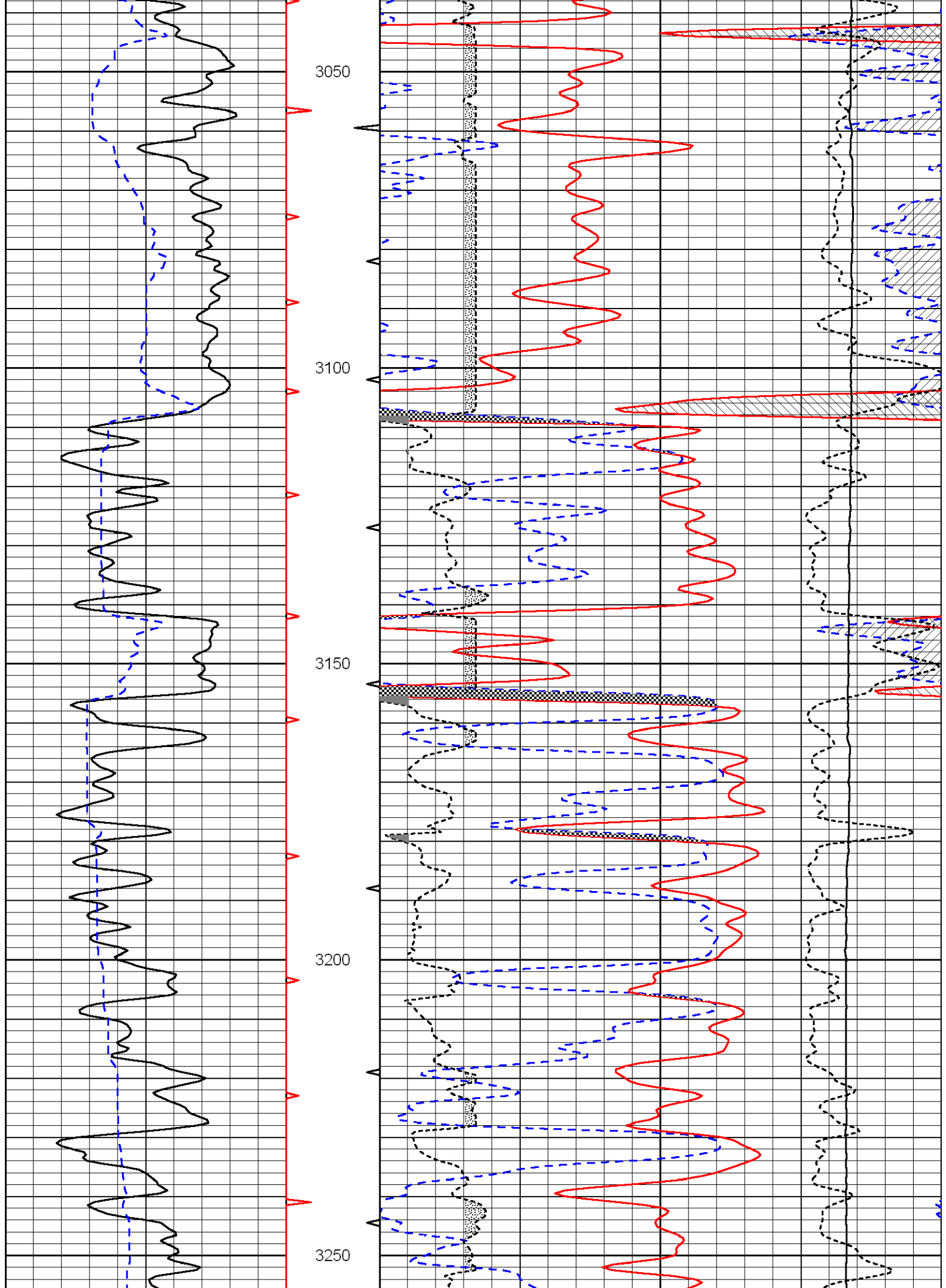


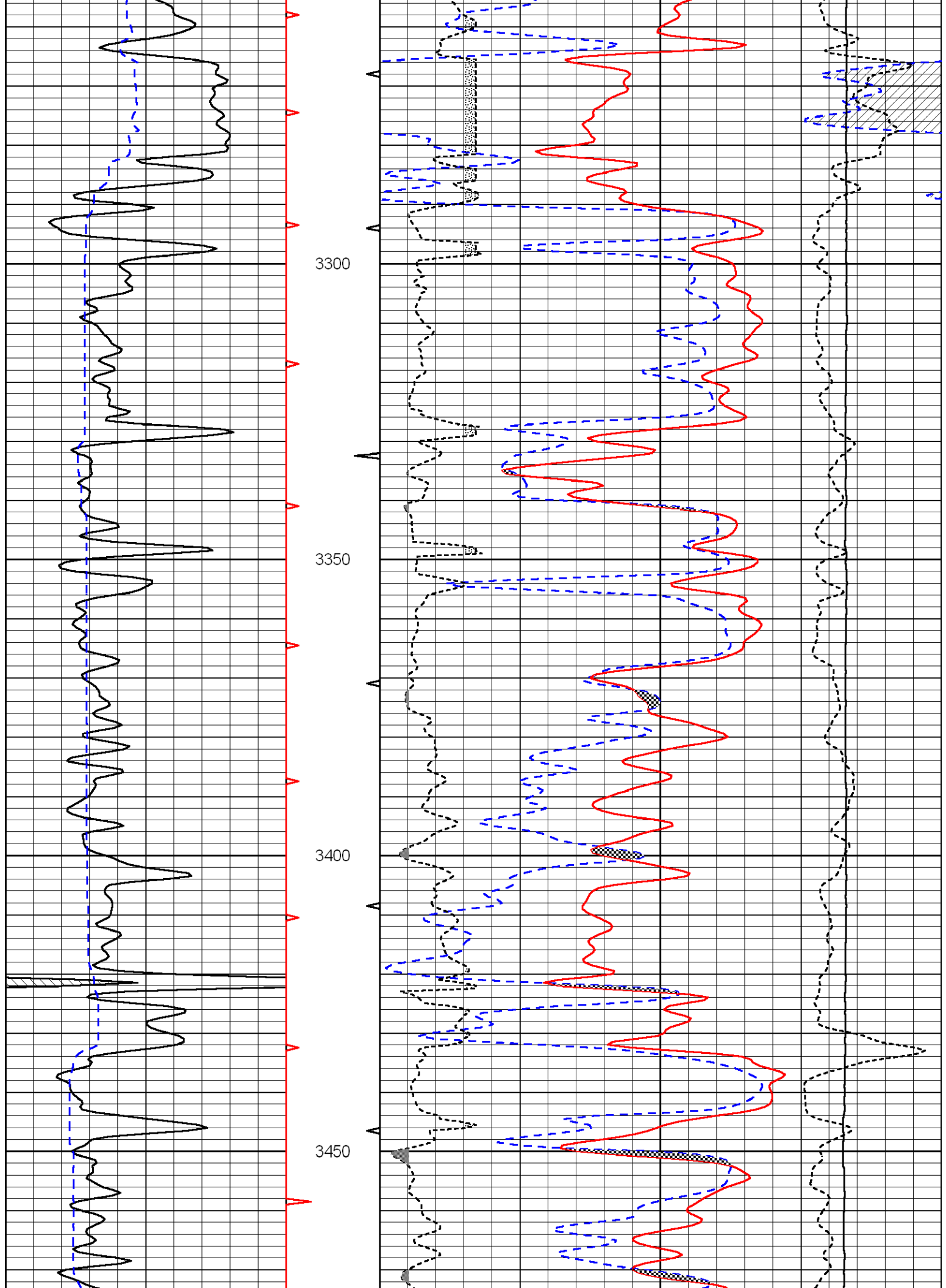


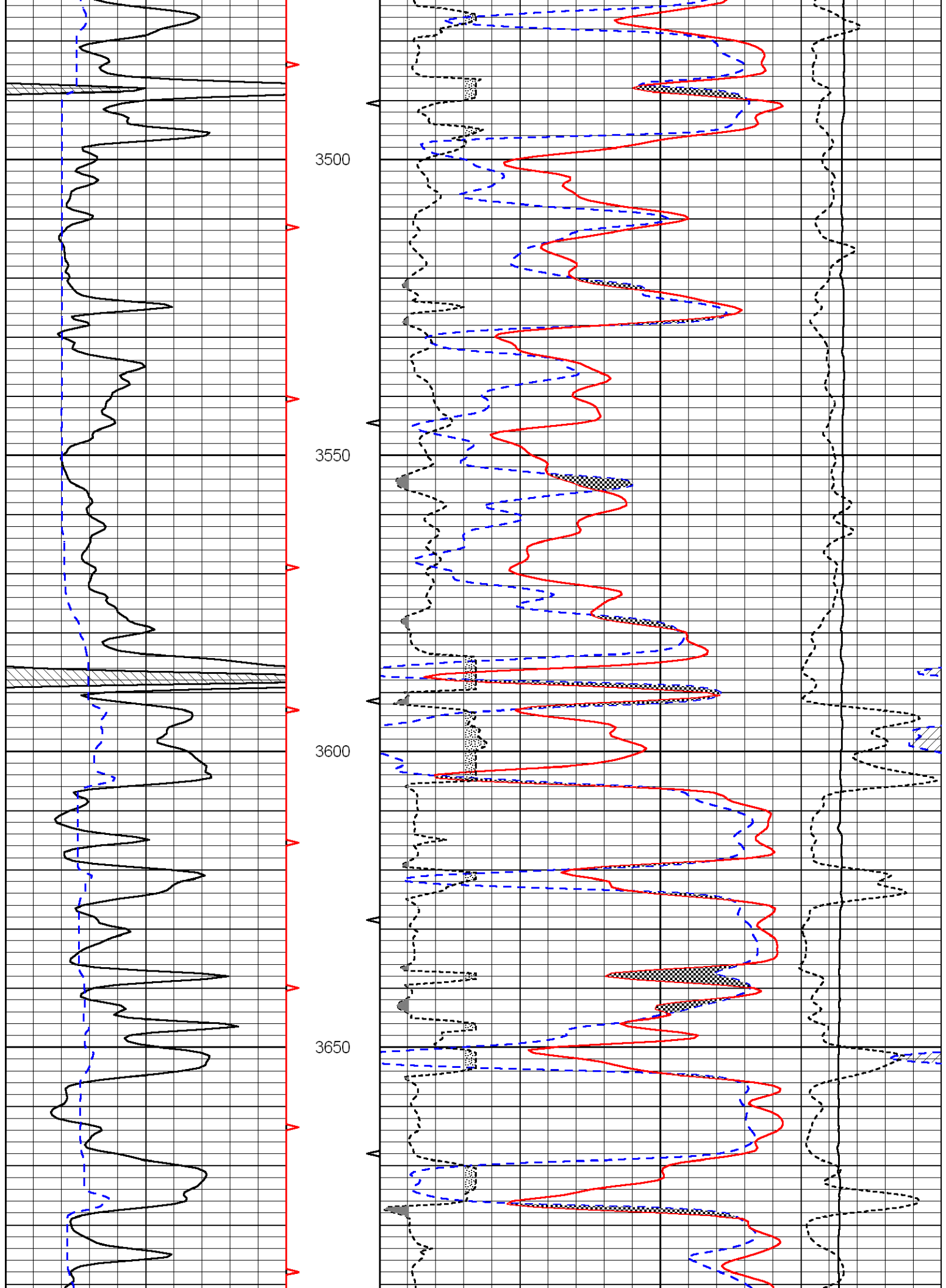


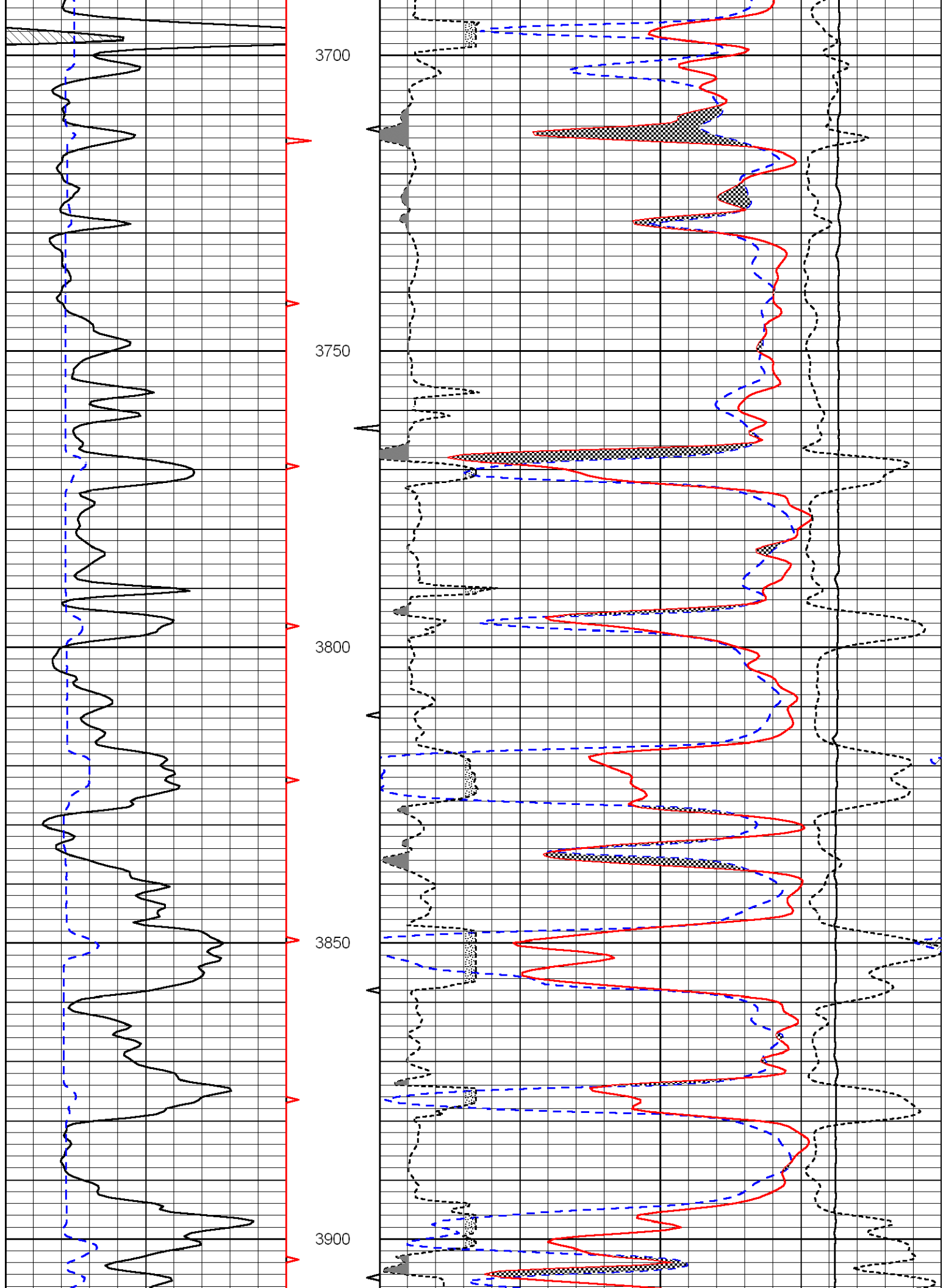
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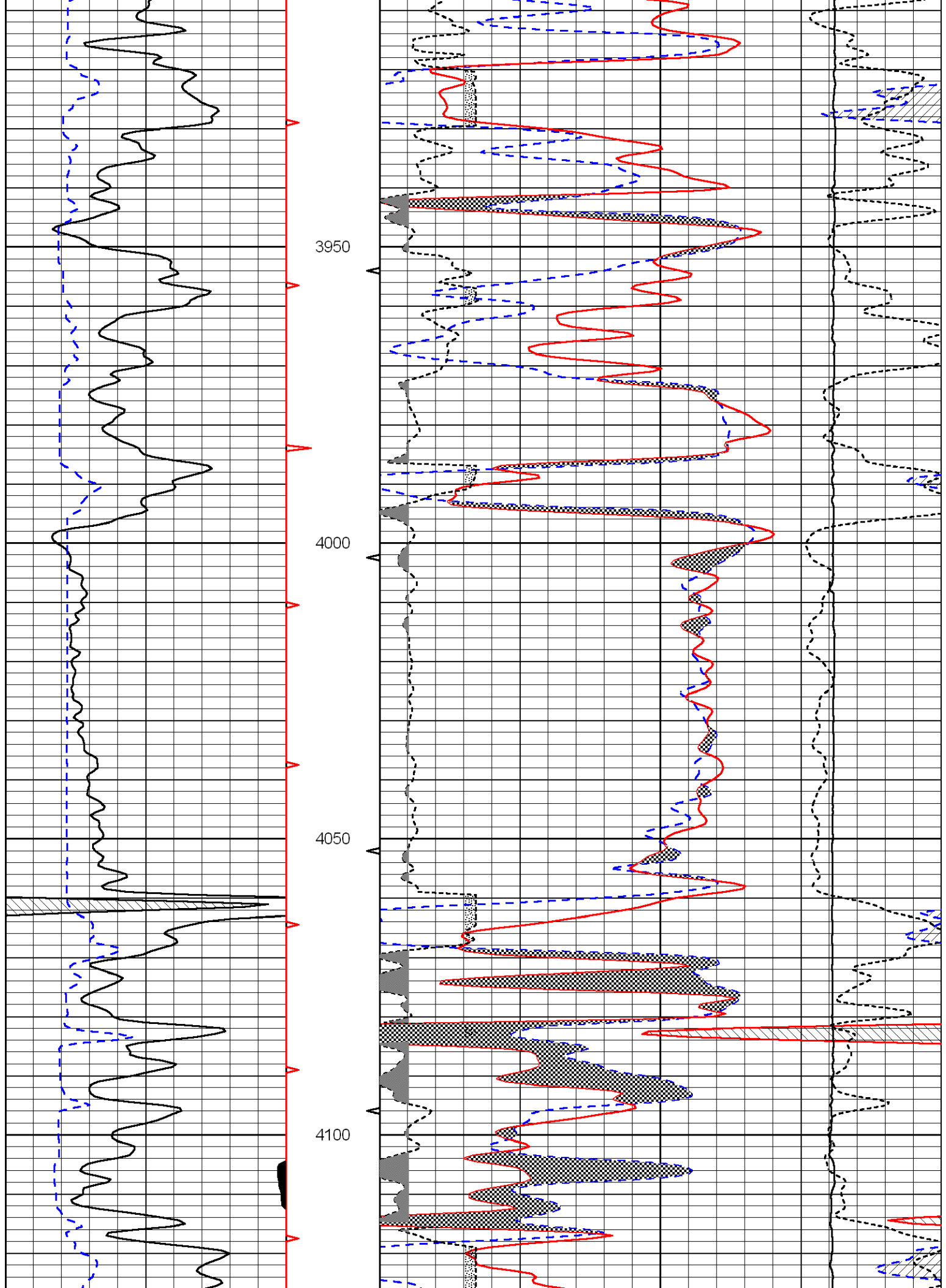


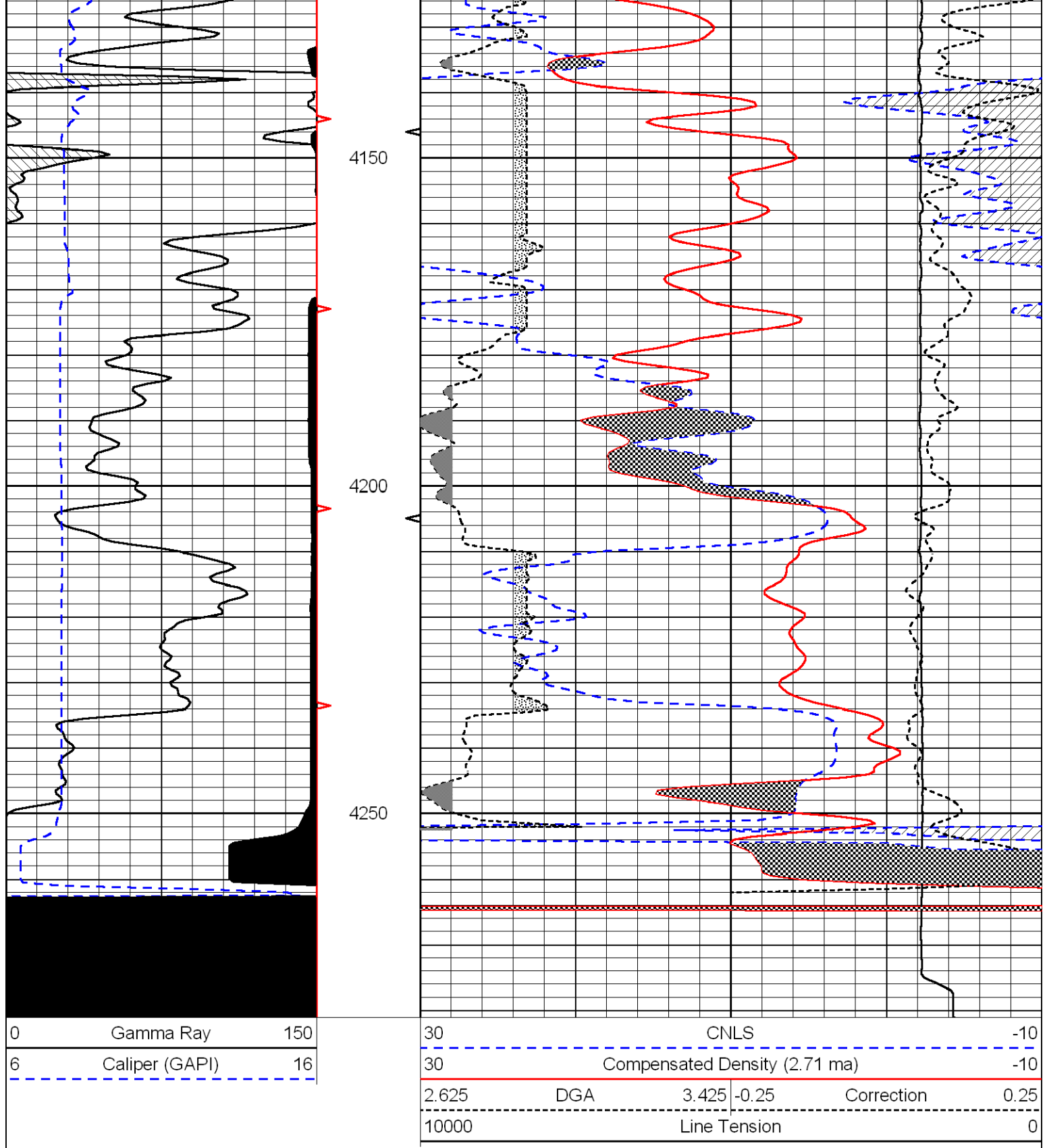












|   |                |     |
|---|----------------|-----|
| 0 | Gamma Ray      | 150 |
| 6 | Caliper (GAPI) | 16  |

|       |                               |       |
|-------|-------------------------------|-------|
| 30    | CNLS                          | -10   |
| 30    | Compensated Density (2.71 ma) | -10   |
| 2.625 | DGA                           | 3.425 |
| -0.25 | Correction                    | 0.25  |
| 10000 | Line Tension                  | 0     |