



# NABORS

**COMPLETION  
& PRODUCTION  
SERVICES CO.**

**SONIC  
LOG**

|                              |              |                                                                         |  |
|------------------------------|--------------|-------------------------------------------------------------------------|--|
| Company                      |              | DOUBLE D'S, LLC.                                                        |  |
| Well                         |              | YOUNGER #1                                                              |  |
| Field                        |              | IRVIN                                                                   |  |
| County                       |              | ELLIS                                                                   |  |
| State                        |              | KANSAS                                                                  |  |
| Location:                    |              | API # : 15-051-26396-00-00<br>1040' FNL & 330' FWL<br>S2 - SW - NW - NW |  |
| Permanent Datum              |              | GROUND LEVEL                                                            |  |
| Log Measured From            |              | KELLY BUSHING 6' A.G.L.                                                 |  |
| Drilling Measured From       |              | KELLY BUSHING                                                           |  |
| SEC 25 TWP 13S RGE 20W       |              | Elevation                                                               |  |
|                              |              | K.B. 2131                                                               |  |
|                              |              | D.F. 2129                                                               |  |
|                              |              | G.L. 2125                                                               |  |
| Date                         | 11/15/12     |                                                                         |  |
| Run Number                   | TWO          |                                                                         |  |
| Depth Driller                | 3850         |                                                                         |  |
| Depth Logger                 | 3850         |                                                                         |  |
| Bottom Logged Interval       | 3840         |                                                                         |  |
| Top Log Interval             | 200          |                                                                         |  |
| Casing Driller               | 8 5/8" @ 220 |                                                                         |  |
| Casing Logger                | 218          |                                                                         |  |
| Bit Size                     | 7 7/8        |                                                                         |  |
| Type Fluid in Hole           | CHEMICAL MUD | CHLORIDES 10,000 PPM                                                    |  |
| Density / Viscosity          | 9.3/48       |                                                                         |  |
| pH / Fluid Loss              | 9.5/10.2     |                                                                         |  |
| Source of Sample             | FLOWLINE     |                                                                         |  |
| Rim @ Meas. Temp             | 0.45 @ 91F   |                                                                         |  |
| Rmf @ Meas. Temp             | 0.34 @ 91F   |                                                                         |  |
| Rmc @ Meas. Temp             | 0.54 @ 91F   |                                                                         |  |
| Source of Rmf / Rmc          | MEASURED     |                                                                         |  |
| Rim @ BHT                    | 0.36 @ 114F  |                                                                         |  |
| Time Circulation Stopped     | 2 HOURS      |                                                                         |  |
| Time Logger on Bottom        |              |                                                                         |  |
| Maximum Recorded Temperature | 114F         |                                                                         |  |
| Equipment Number             | 680          |                                                                         |  |
| Location                     | HAYS, KS.    |                                                                         |  |
| Recorded By                  | IAN MABB     | JEFF GRONEMEG                                                           |  |
| Witnessed By                 | AL DOWNING   |                                                                         |  |

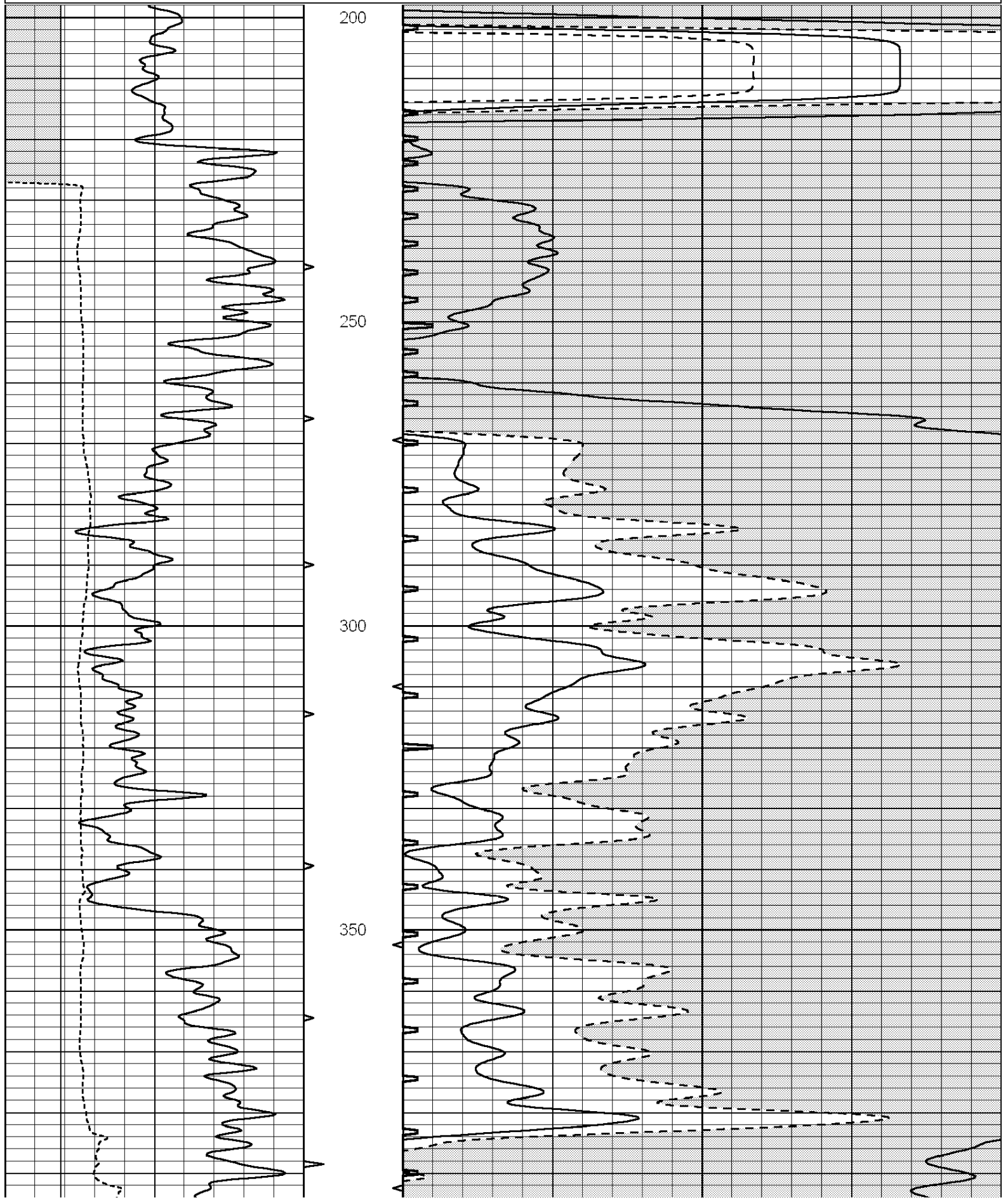
<<< Fold Here >>>

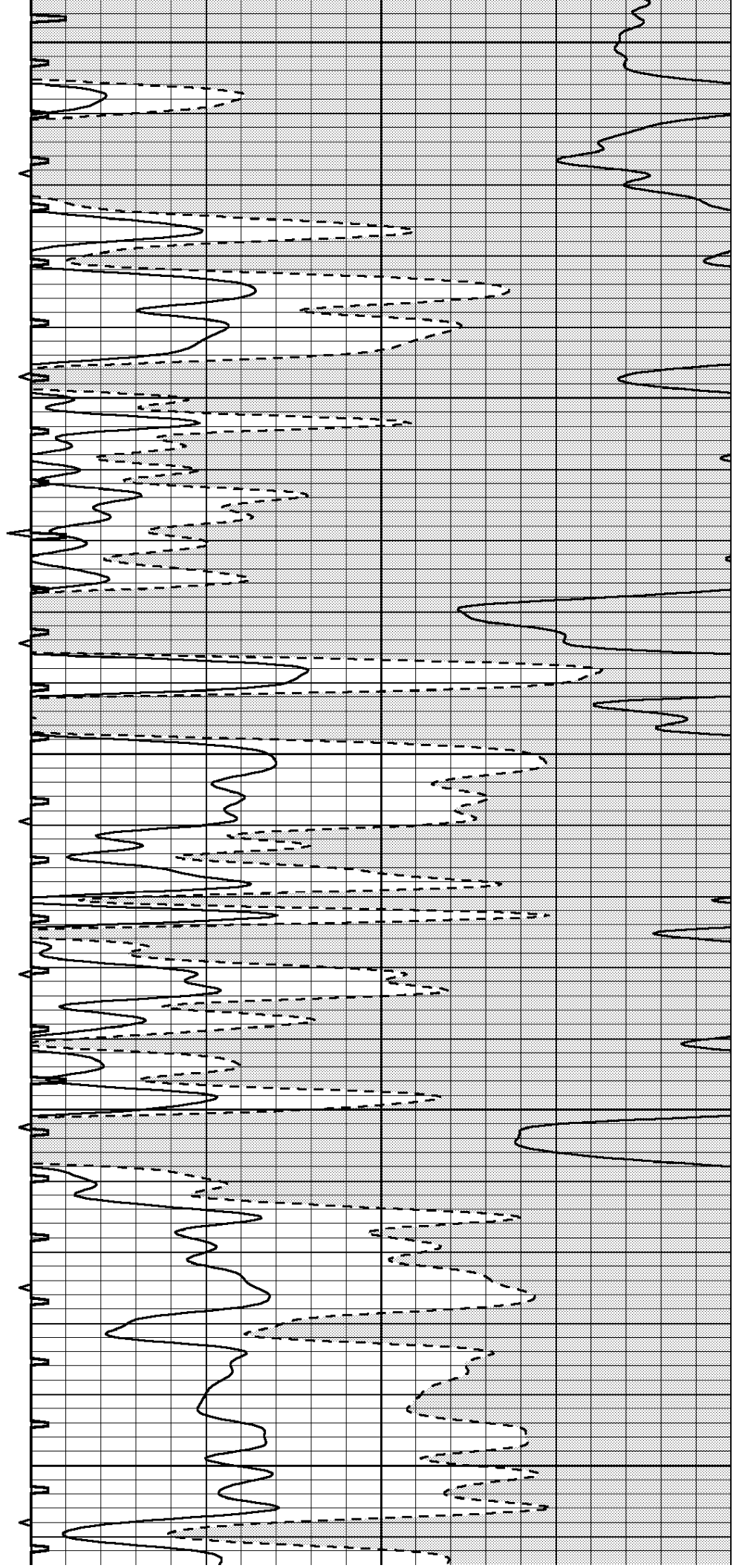
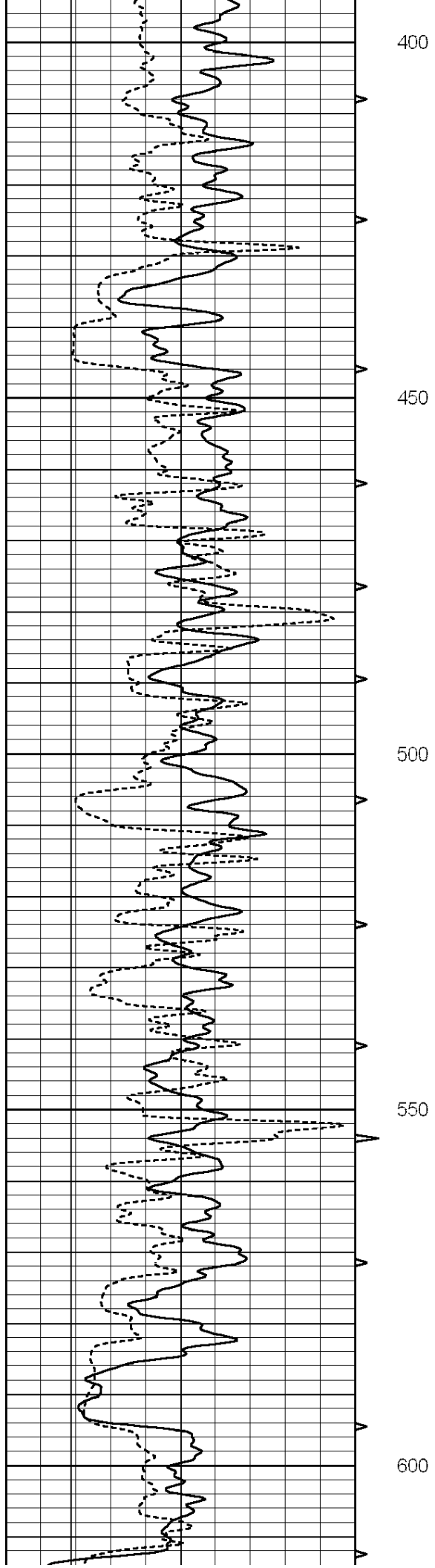
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

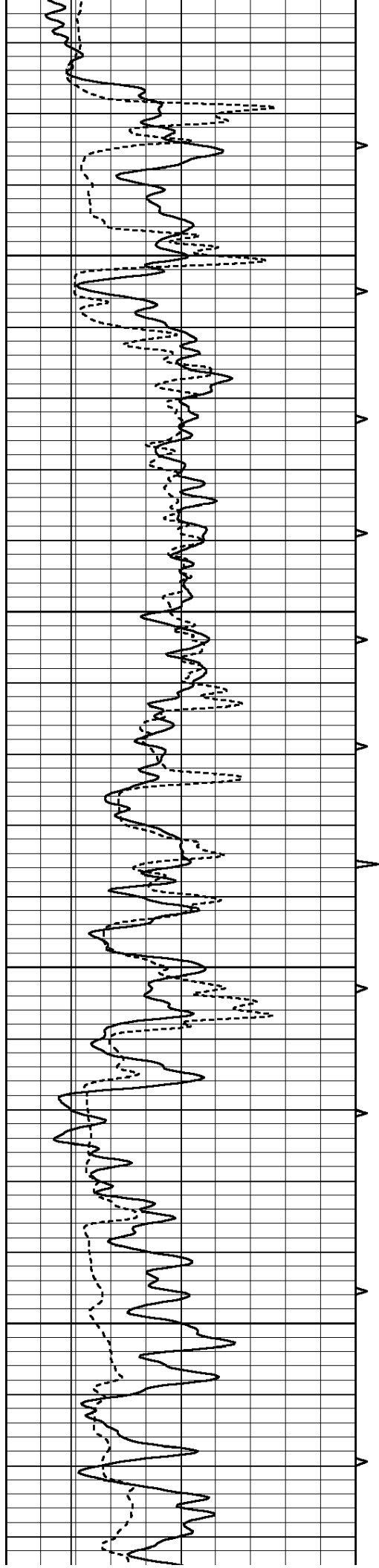
## Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395  
 DIRECTIONS  
 YOCEMENTO, KS. - 4 1/2 WEST ON HWY 40, 2 1/2 SOUTH ON 150 TH EAST INTO

|                   |                  |                             |            |     |                      |     |
|-------------------|------------------|-----------------------------|------------|-----|----------------------|-----|
| Charted by: _____ |                  | Depth in feet scaled 1:2.15 |            |     |                      |     |
| 0                 | GAMMA RAY (GAPI) | 150                         | ABHV       | 140 | DELTA TIME (usec/ft) | 40  |
| 6                 | CALIPER (in)     | 16                          | 10 (ft3) 0 | 30  | SONIC POROSITY (pu)  | -10 |
|                   |                  |                             | TBHV       | 0   | ITT (msec)           | 20  |
|                   |                  |                             | 0 (ft3) 10 |     |                      |     |





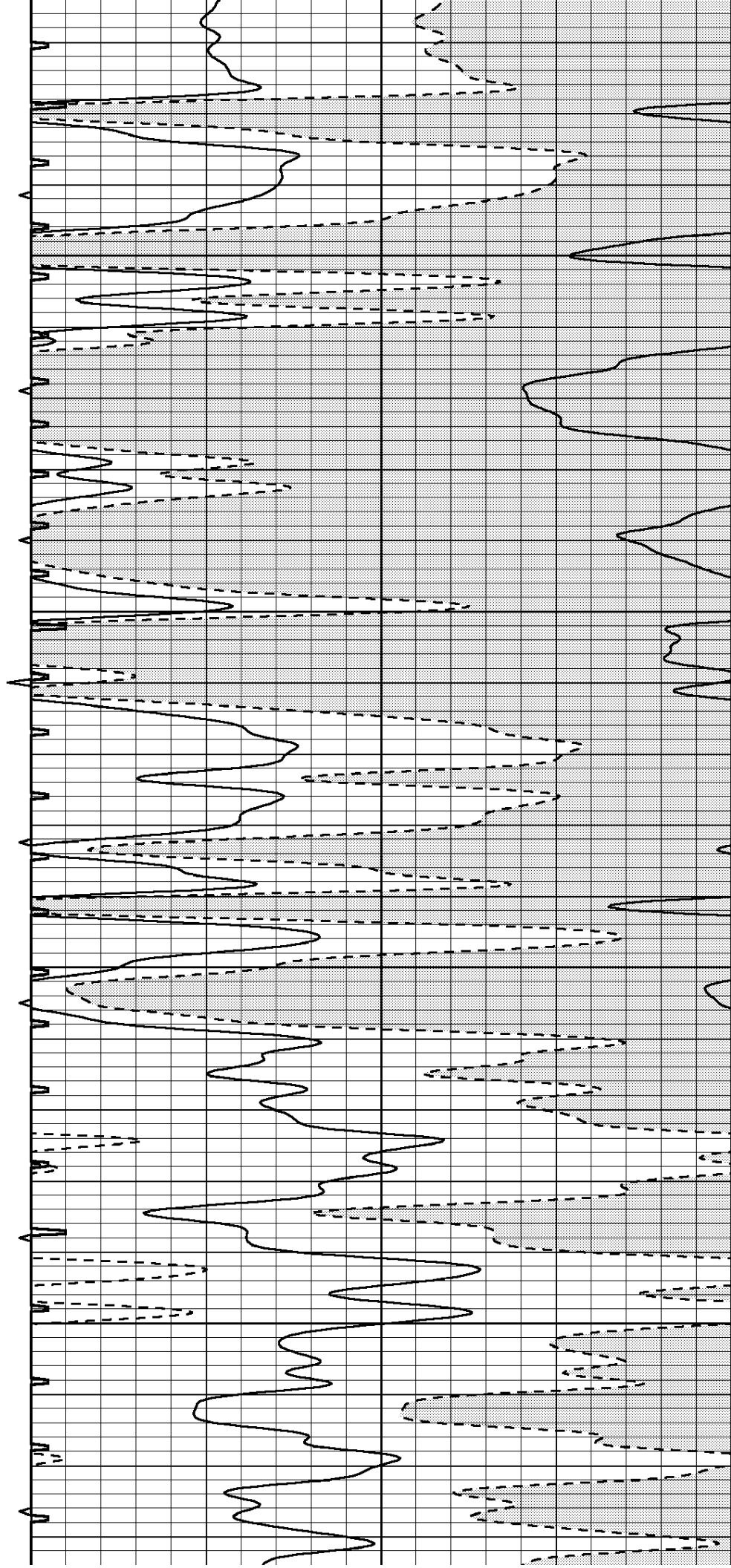


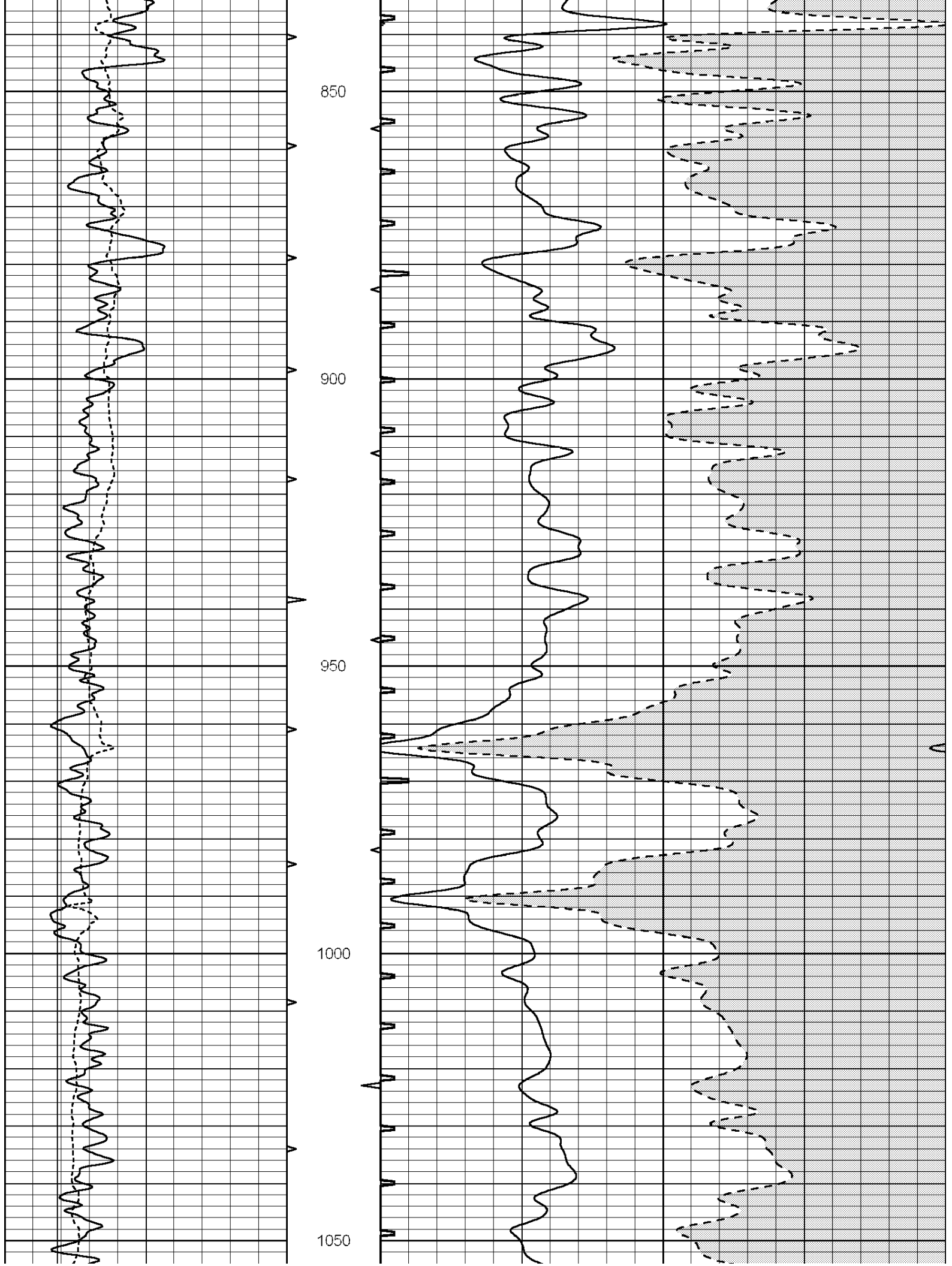
650

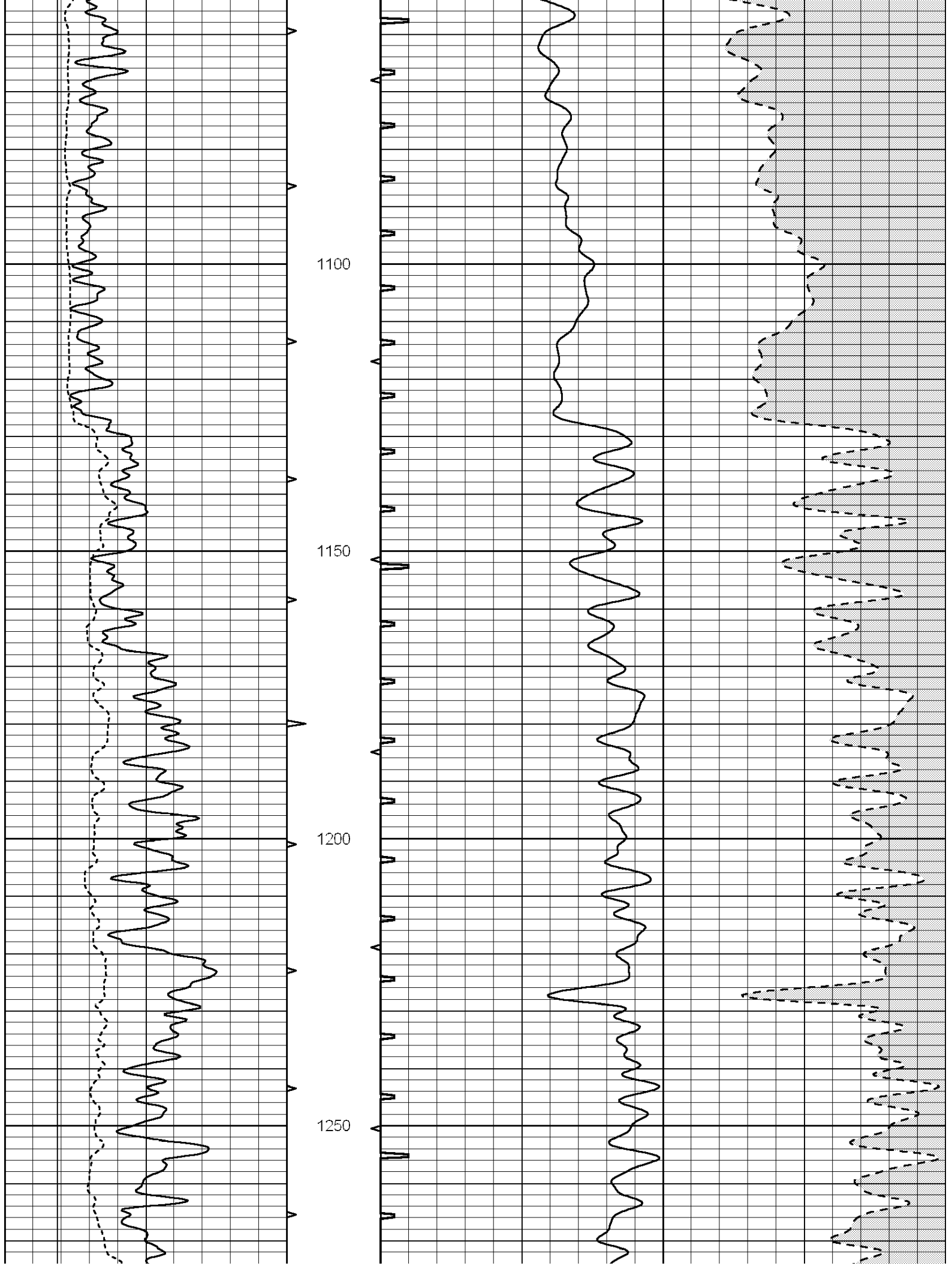
700

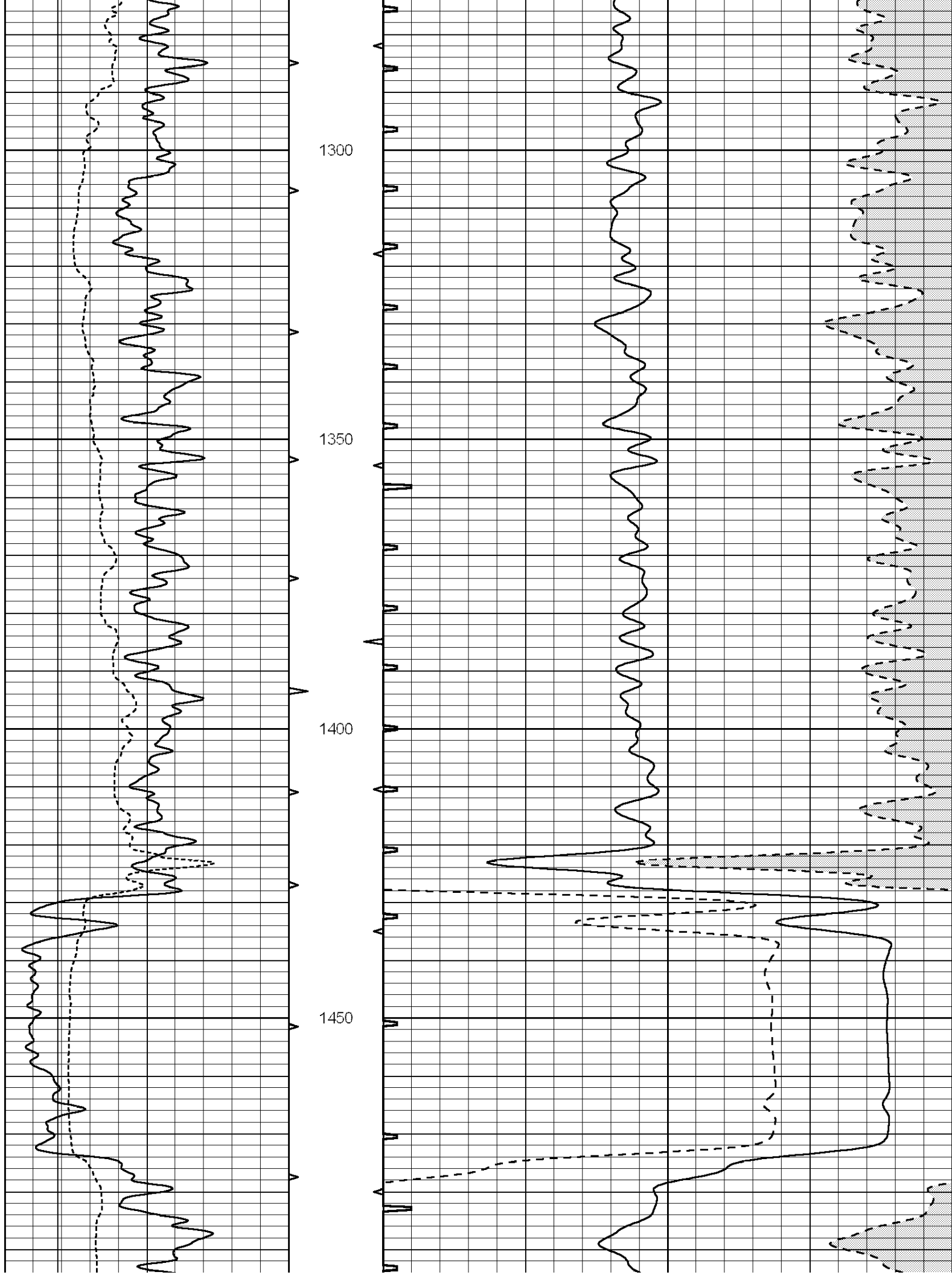
750

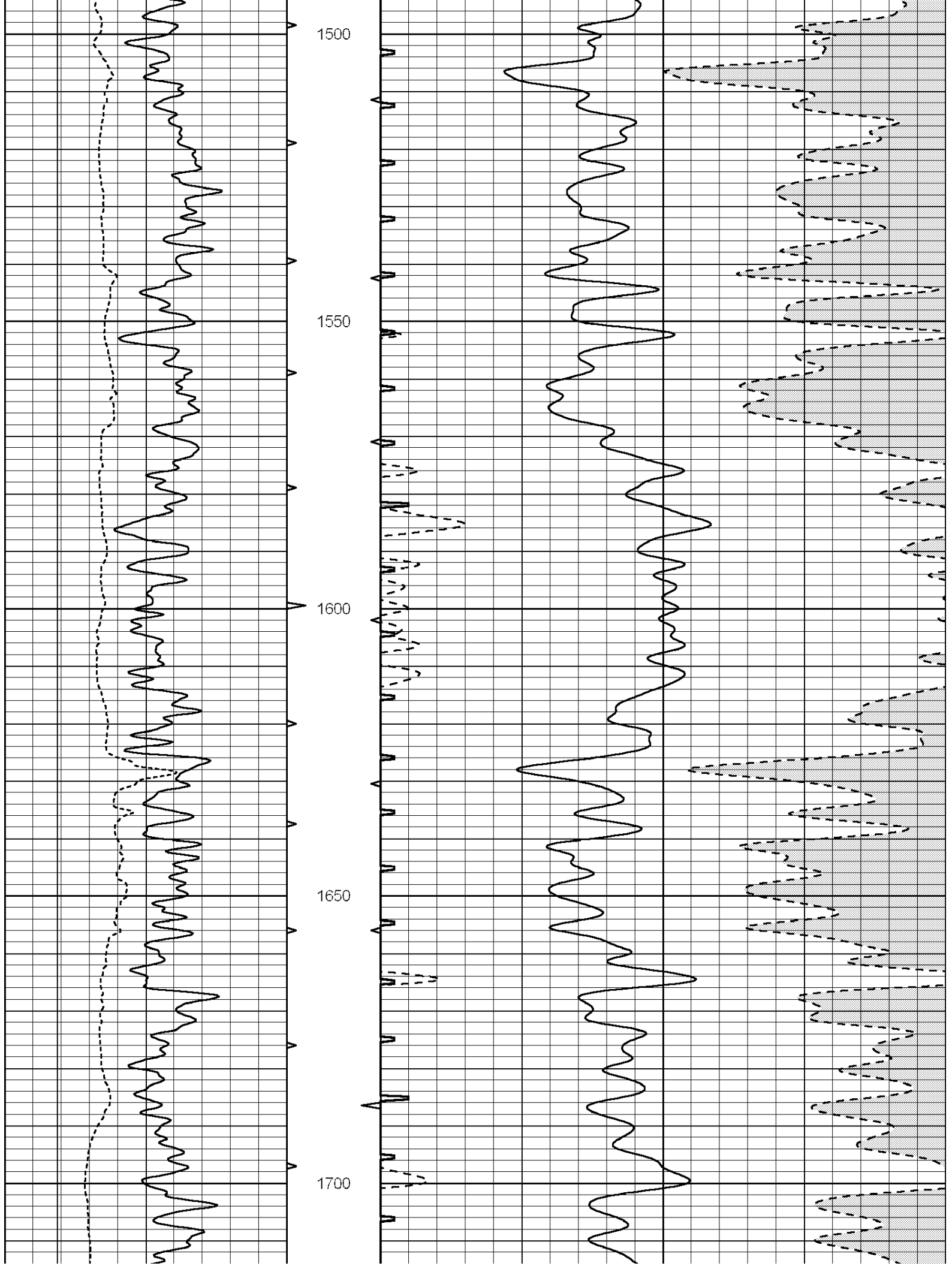
800



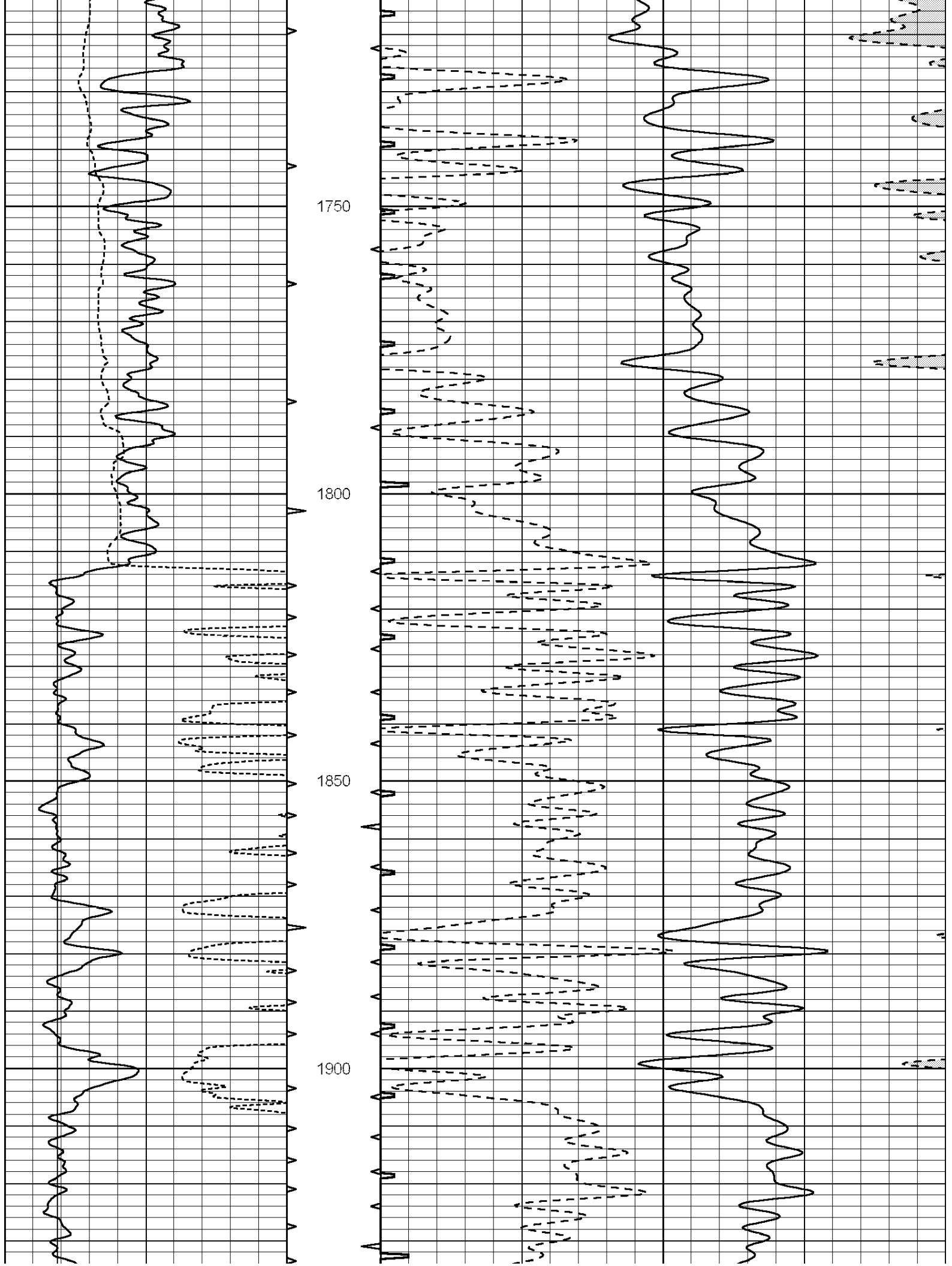


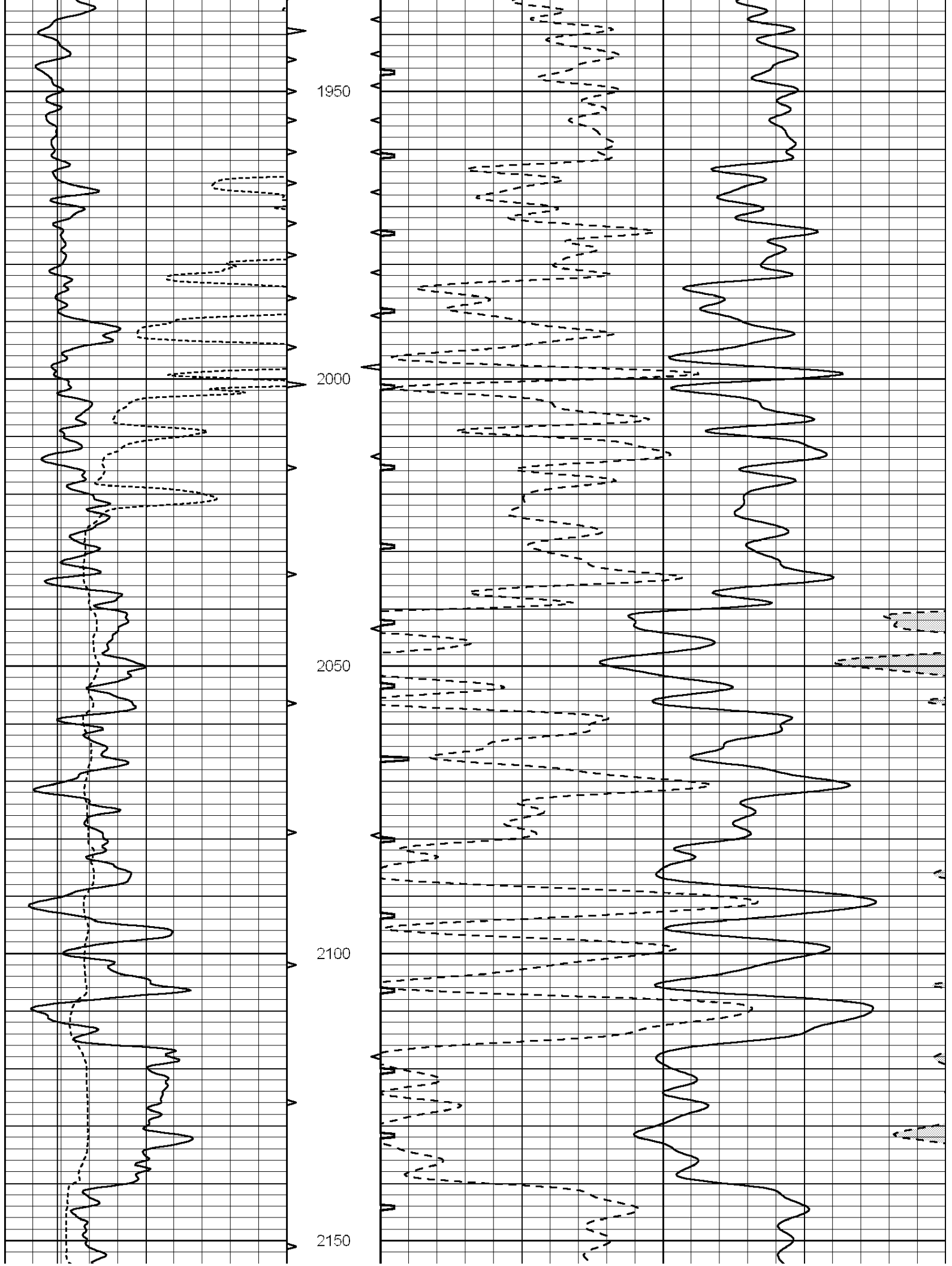


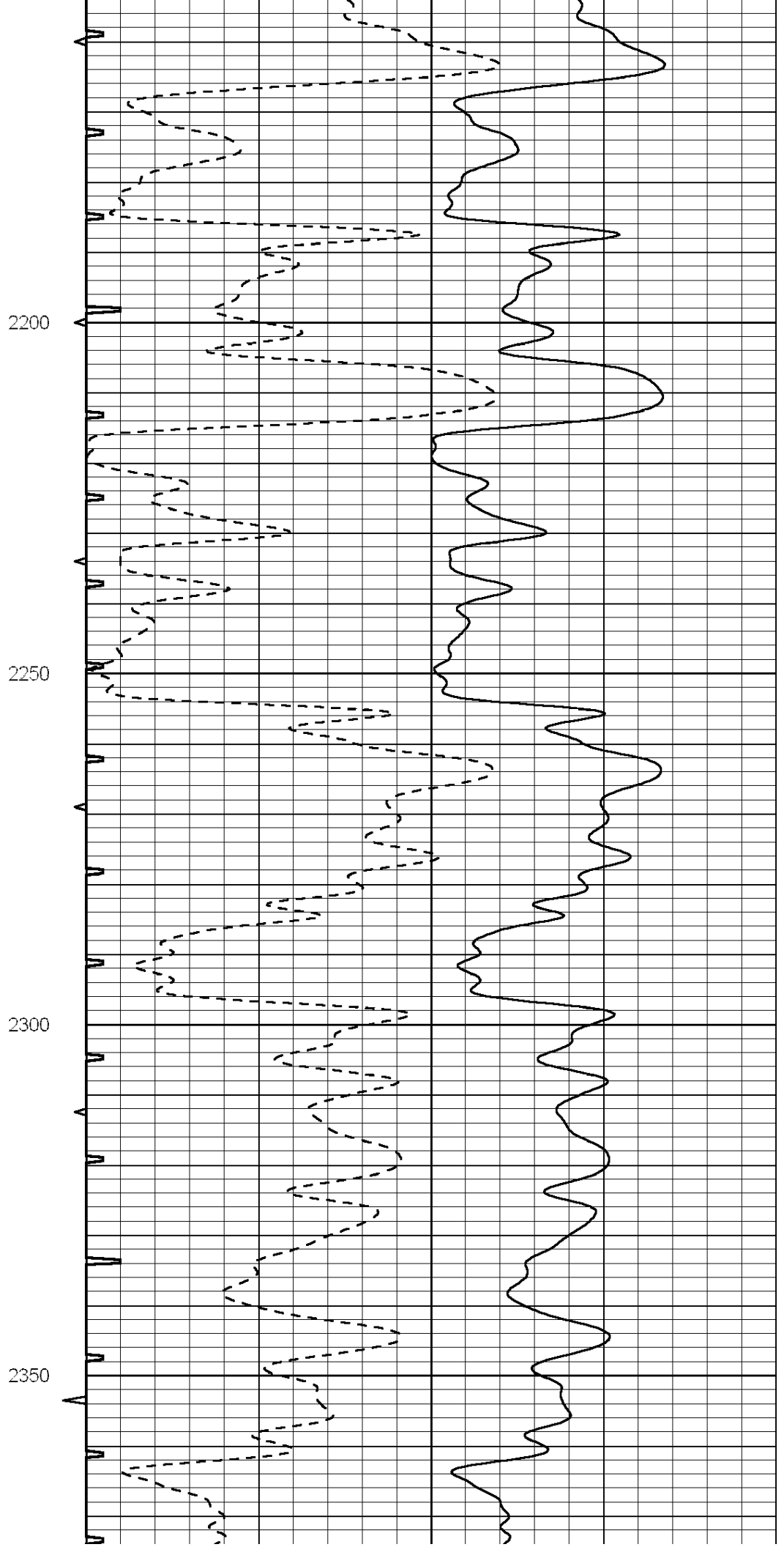
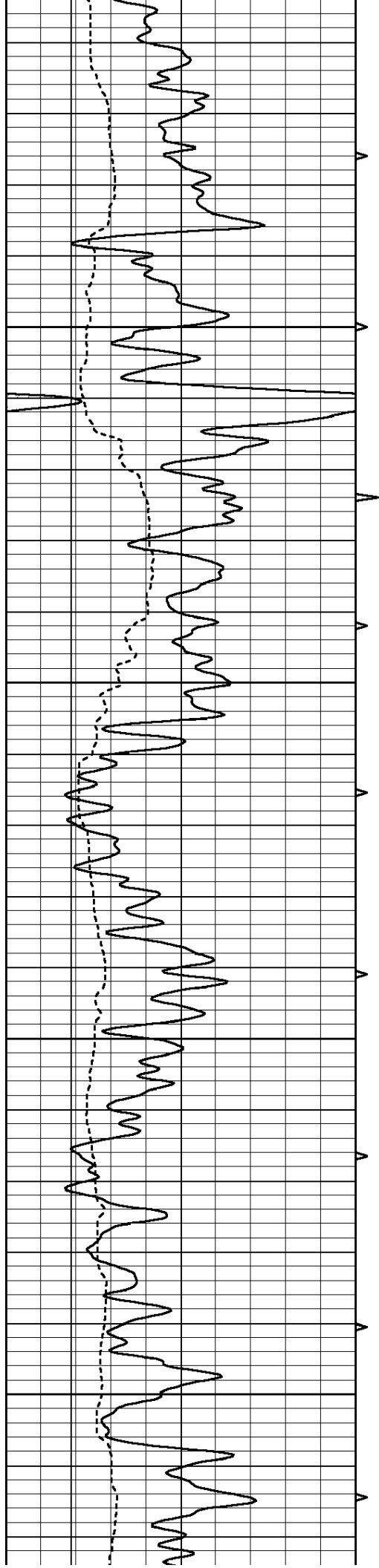


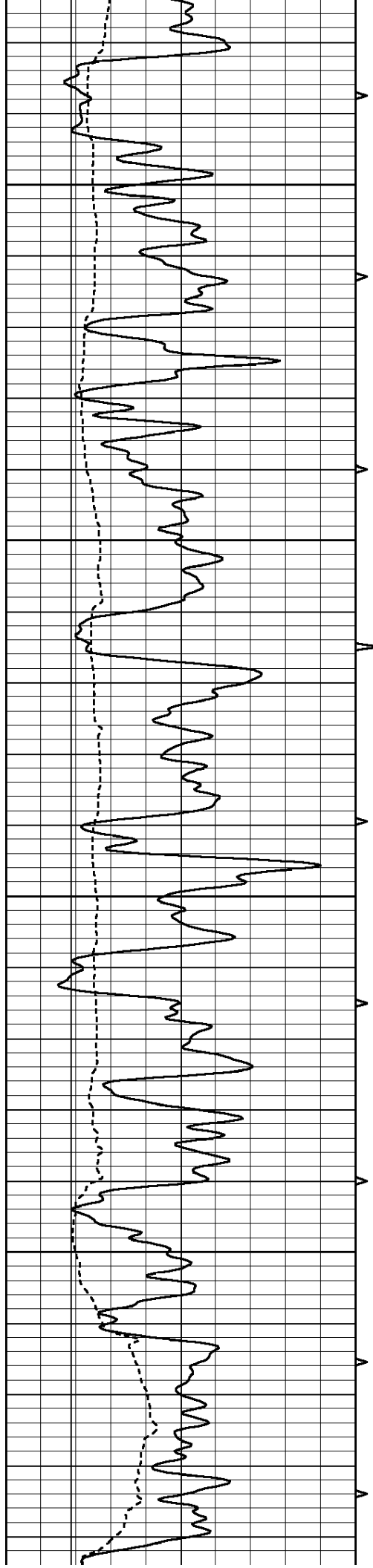










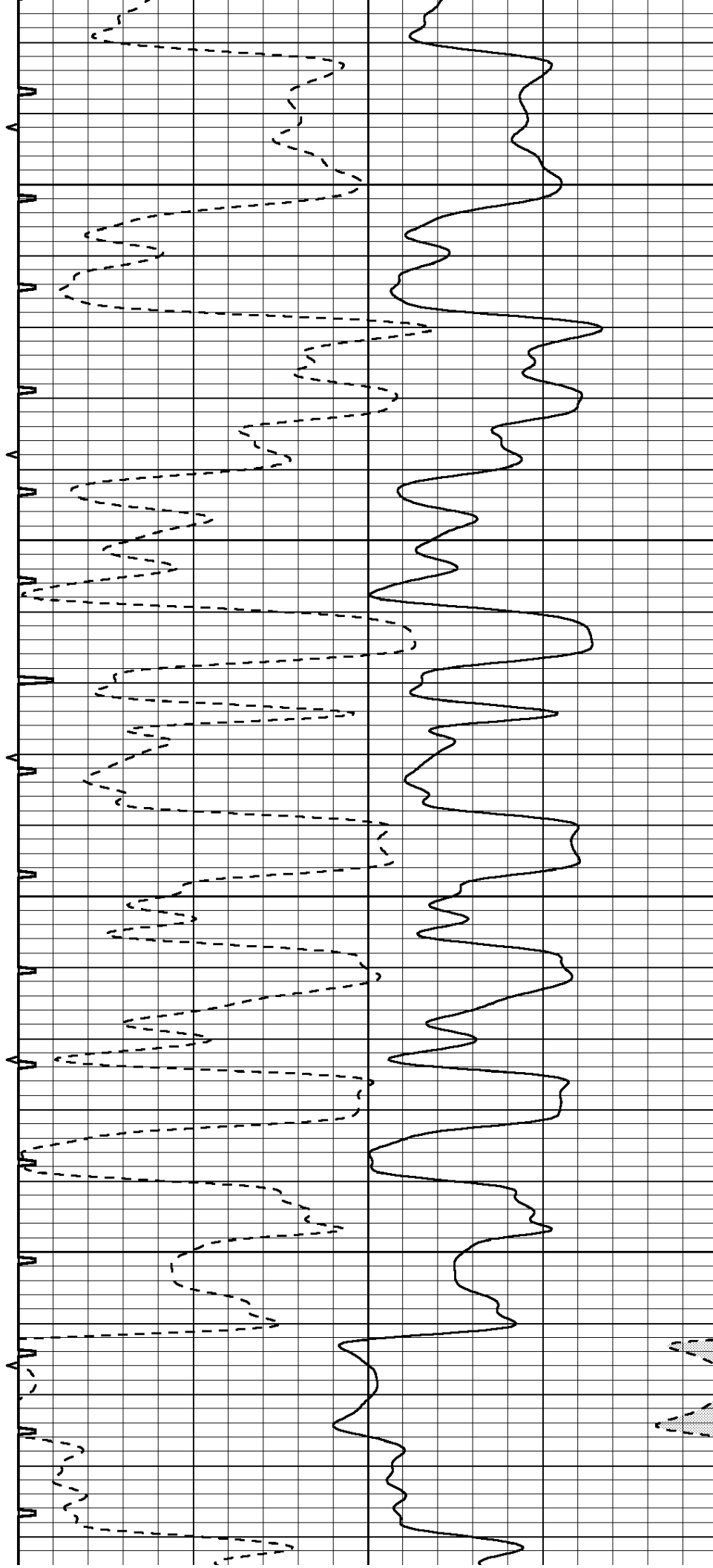


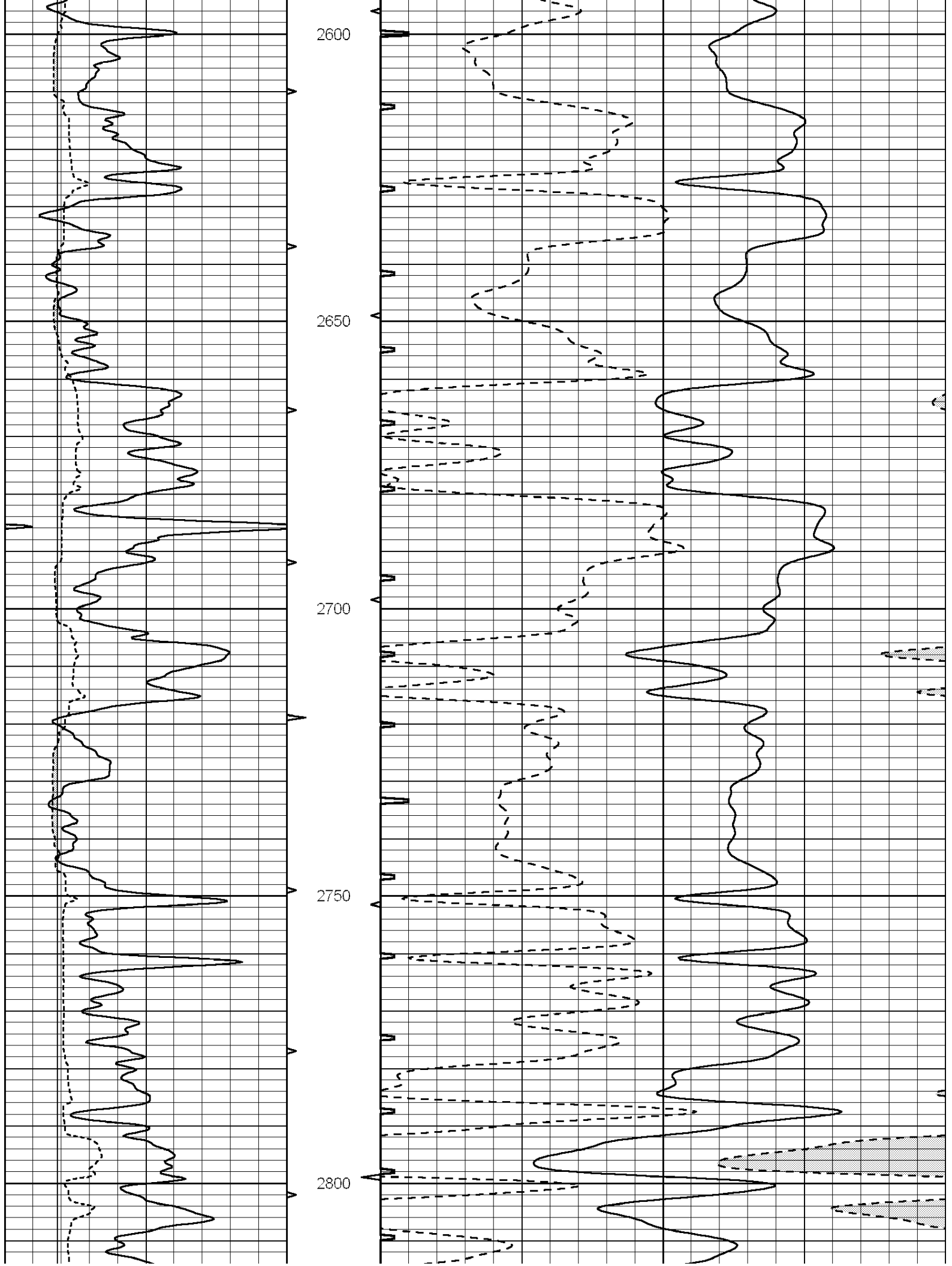
2400

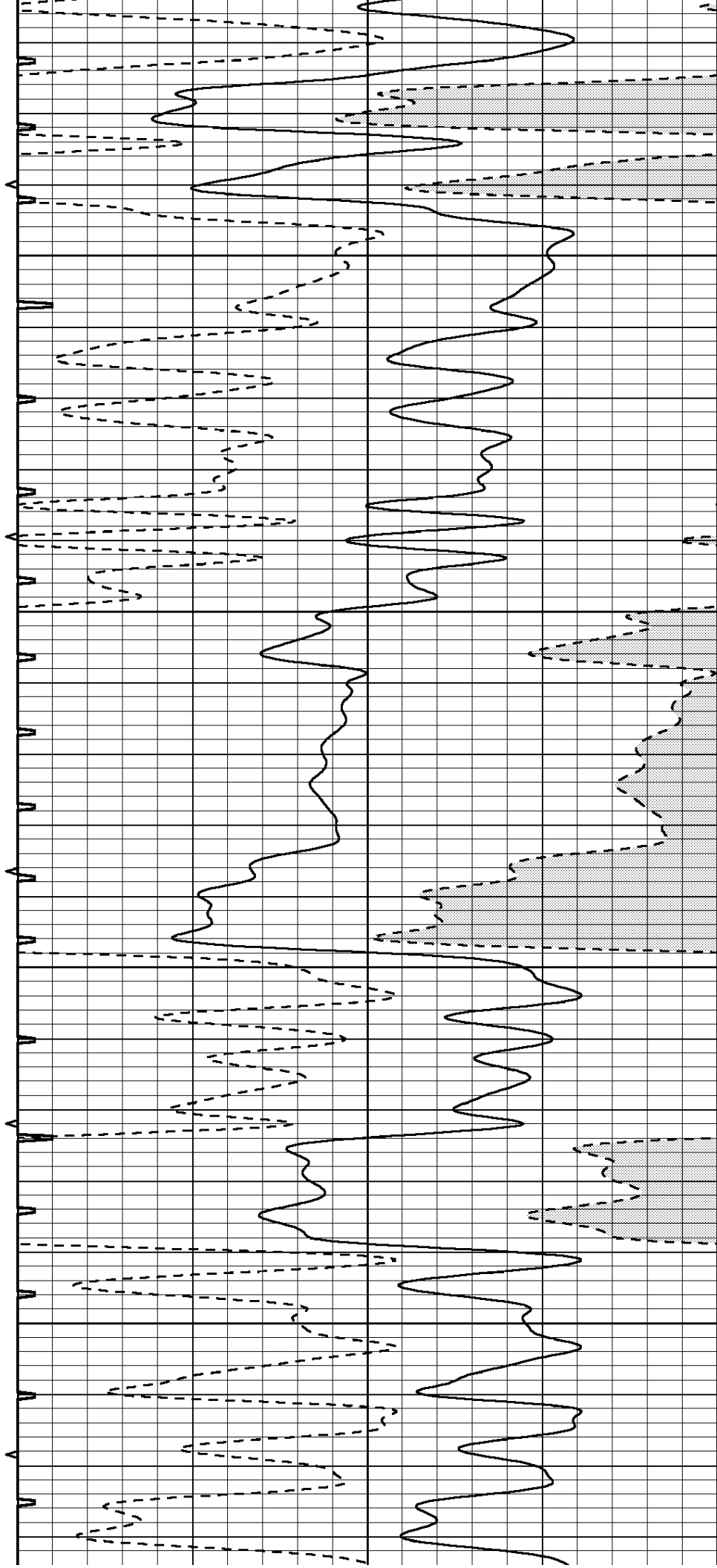
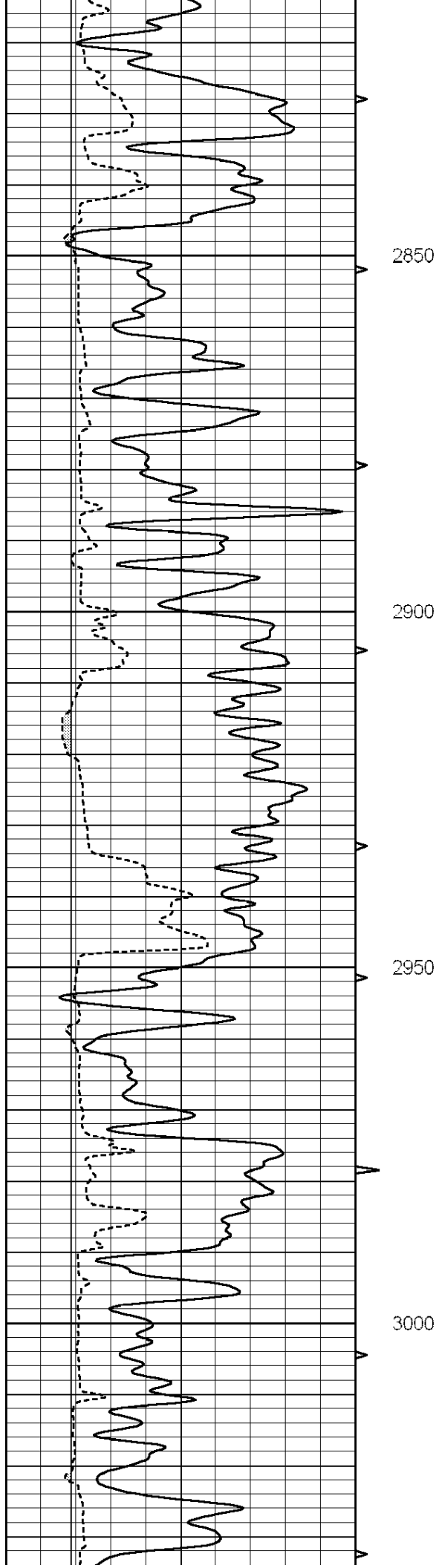
2450

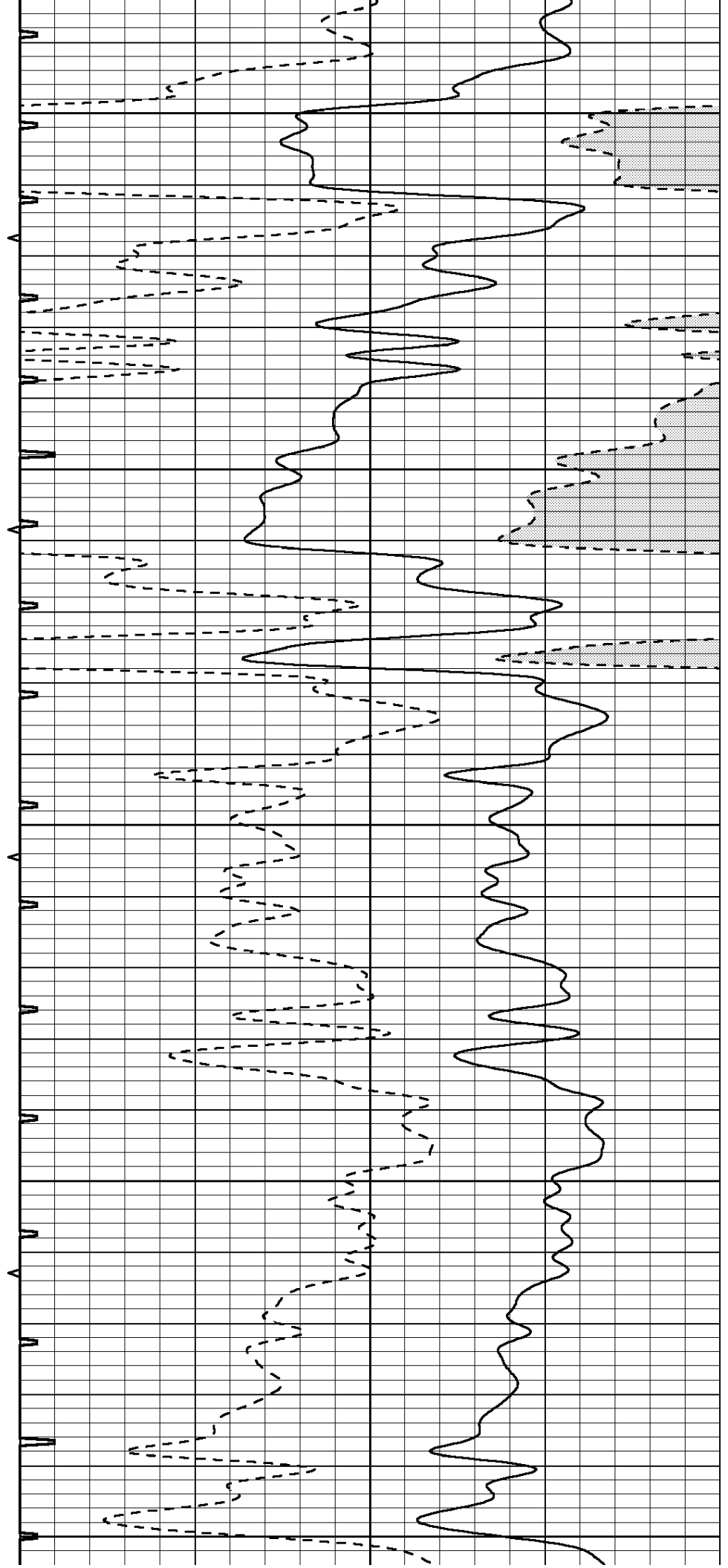
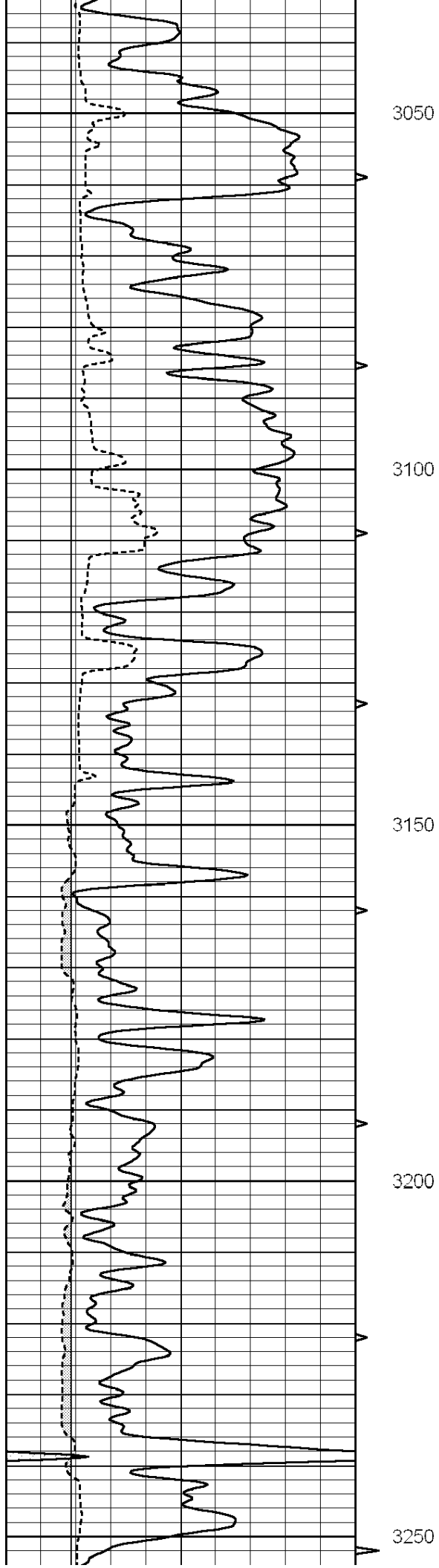
2500

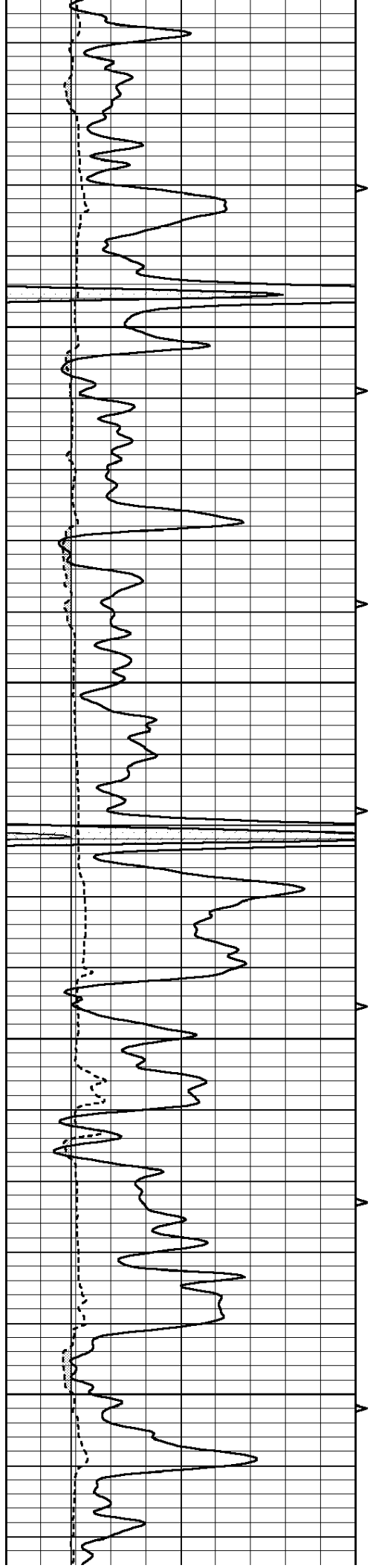
2550









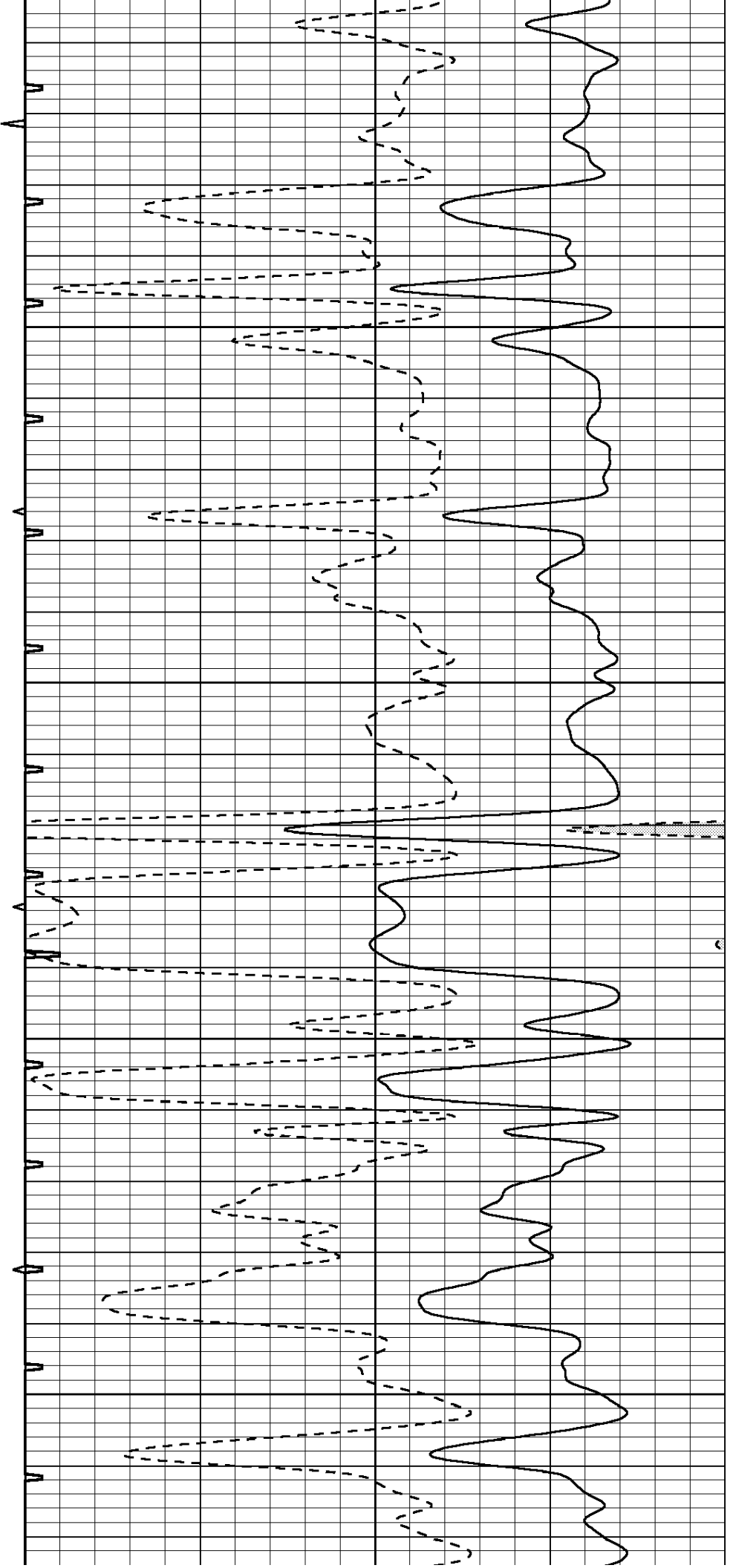


3300

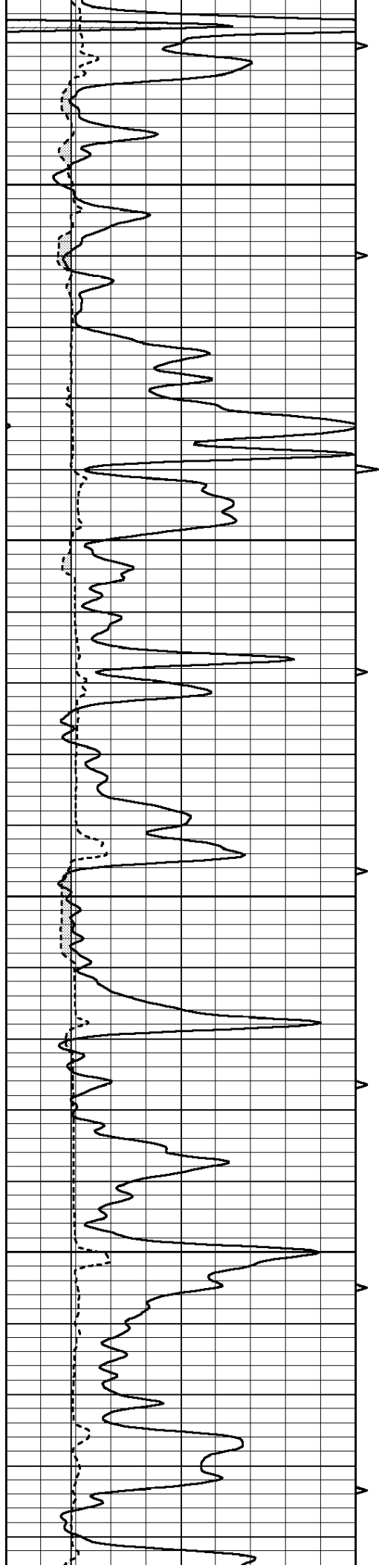
3350

3400

3450





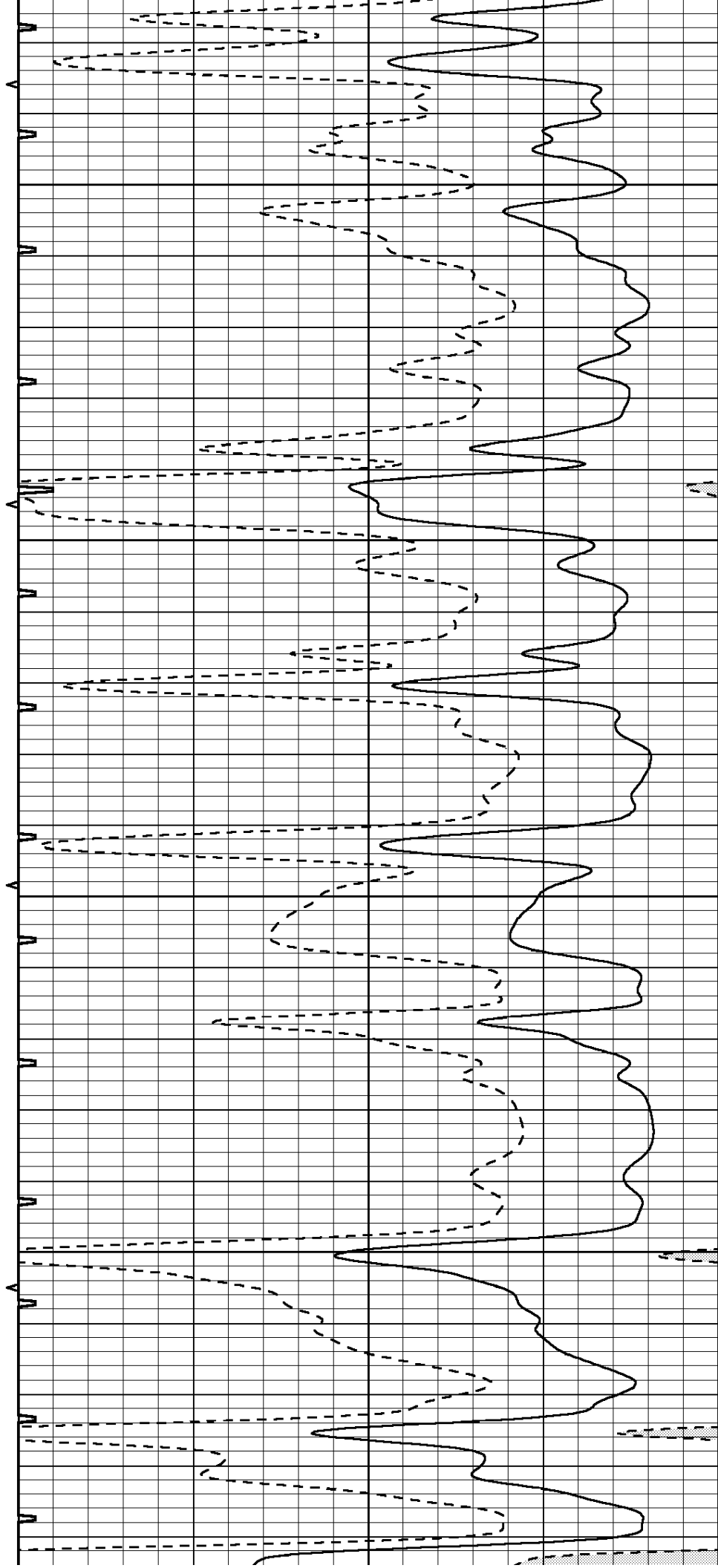


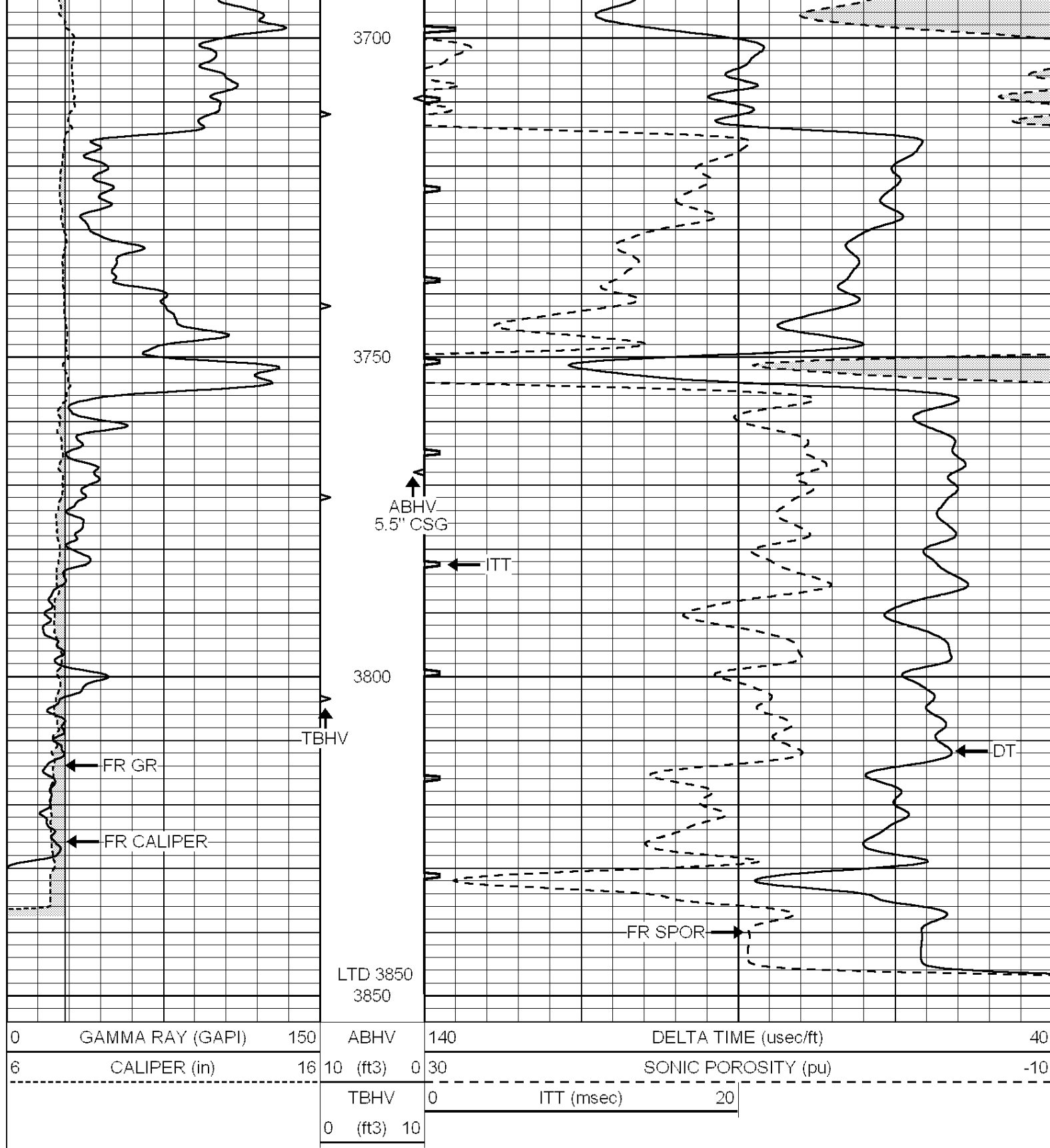
3500

3550

3600

3650





**NABORS**  
COMPLETION  
& PRODUCTION  
SERVICES CO.

# REPEAT SECTION

Database File: 010129ddn.db  
Dataset Pathname: pass6.3  
Presentation Format: \_slt  
Dataset Creation: Thu Nov 15 10:36:42 2012 by Calc Open-Cased 090629

Charted by:

Depth in Feet scaled 1:240

|   |                  |     |            |     |                      |     |
|---|------------------|-----|------------|-----|----------------------|-----|
| 0 | GAMMA RAY (GAPI) | 150 | ABHV       | 140 | DELTA TIME (usec/ft) | 40  |
| 6 | CALIPER (in)     | 16  | 10 (ft3) 0 | 30  | SONIC POROSITY (pu)  | -10 |
|   |                  |     | TBHV       | 0   | ITT (msec)           | 20  |
|   |                  |     | 0 (ft3) 10 |     |                      |     |

