



# NABORS

**COMPLETION  
& PRODUCTION  
SERVICES CO.**

**SONIC  
LOG**

|                              |                                                                                                 |                         |                                         |
|------------------------------|-------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------|
| Company                      |                                                                                                 | VINCENT OIL CORPORATION |                                         |
| Well                         | FREY #1-5                                                                                       |                         |                                         |
| Field                        | WILDCAT                                                                                         |                         |                                         |
| County                       | FORD                                                                                            | State                   | KANSAS                                  |
| Location:                    | API # : 15-057-20928-0000<br>2100' FSL & 670' FWL<br>SW - NE - NW - SW<br>SEC 5 TWP 28S RGE 23W |                         | Other Services<br>CDL/CNL/PE<br>DIL/MEL |
| Permanent Datum              | GROUND LEVEL                                                                                    | Elevation               | 2491                                    |
| Log Measured From            | KELLY BUSHING 12' A.G.L.                                                                        | Elevation               | K.B. 2503<br>D.F. 2501<br>G.L. 2491     |
| Drilling Measured From       | KELLY BUSHING                                                                                   |                         |                                         |
| Date                         | 3/31/14                                                                                         |                         |                                         |
| Run Number                   | TWO                                                                                             |                         |                                         |
| Depth Driller                | 5251                                                                                            |                         |                                         |
| Depth Logger                 | 5254                                                                                            |                         |                                         |
| Bottom Logged Interval       | 5246                                                                                            |                         |                                         |
| Top Log Interval             | 600                                                                                             |                         |                                         |
| Casing Driller               | 8 5/8"@644'                                                                                     |                         |                                         |
| Casing Logger                | 644                                                                                             |                         |                                         |
| Bit Size                     | 7 7/8"                                                                                          |                         |                                         |
| Type Fluid in Hole           | CHEMICAL MUD                                                                                    | CHLORIDES               | 10,500 PPM                              |
| Density / Viscosity          | 9.4/74                                                                                          |                         |                                         |
| pH / Fluid Loss              | 10.5/11.2                                                                                       |                         |                                         |
| Source of Sample             | FLOWLINE                                                                                        |                         |                                         |
| Rim @ Meas. Temp             | .400@70F                                                                                        |                         |                                         |
| Rmf @ Meas. Temp             | .300@70F                                                                                        |                         |                                         |
| Rmc @ Meas. Temp             | .480@70F                                                                                        |                         |                                         |
| Source of Rmf / Rmc          | MEASUREMENT                                                                                     |                         |                                         |
| Rim @ BHT                    | .220@127F                                                                                       |                         |                                         |
| Time Circulation Stopped     | 5.5 HOURS                                                                                       |                         |                                         |
| Time Logger on Bottom        | 7:30 A.M.                                                                                       |                         |                                         |
| Maximum Recorded Temperature | 127F                                                                                            |                         |                                         |
| Equipment Number             | 4854                                                                                            |                         |                                         |
| Location                     | HAYS, KANSAS                                                                                    |                         |                                         |
| Recorded By                  | JEFF LUEBBERS                                                                                   |                         |                                         |
| Witnessed By                 | JIM HALL                                                                                        |                         |                                         |

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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 "NABORS" HAYS, KANSAS (785) 628-6395  
DIRECTIONS

FORD, KS., 5W. ON "SADDLE RD." TO "RD. 120", 1S., 1W., N. INTO ON W. SIDE OF OLD FARM, FOLLOW  
FENCE, N. THEN E. INTO

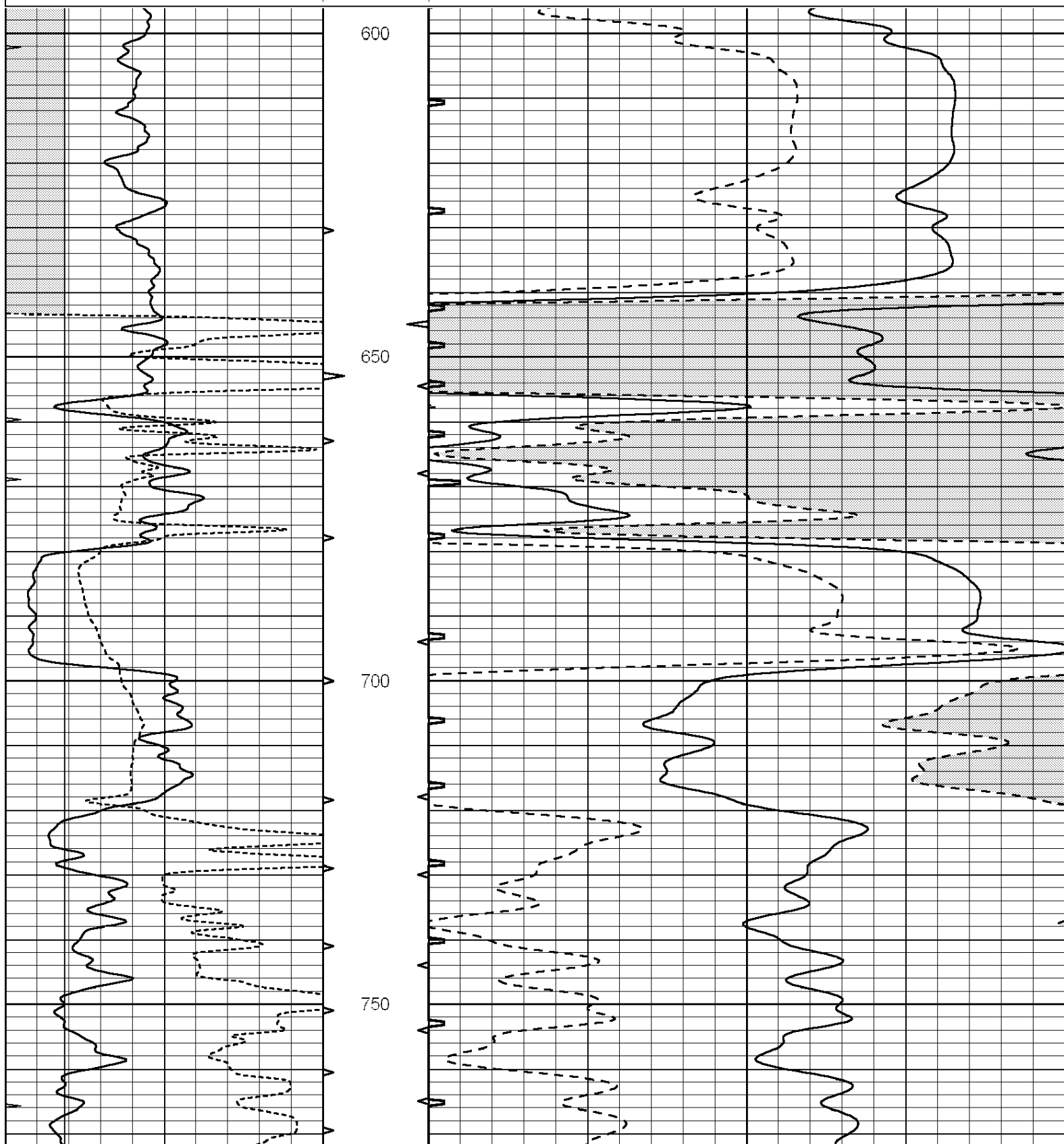


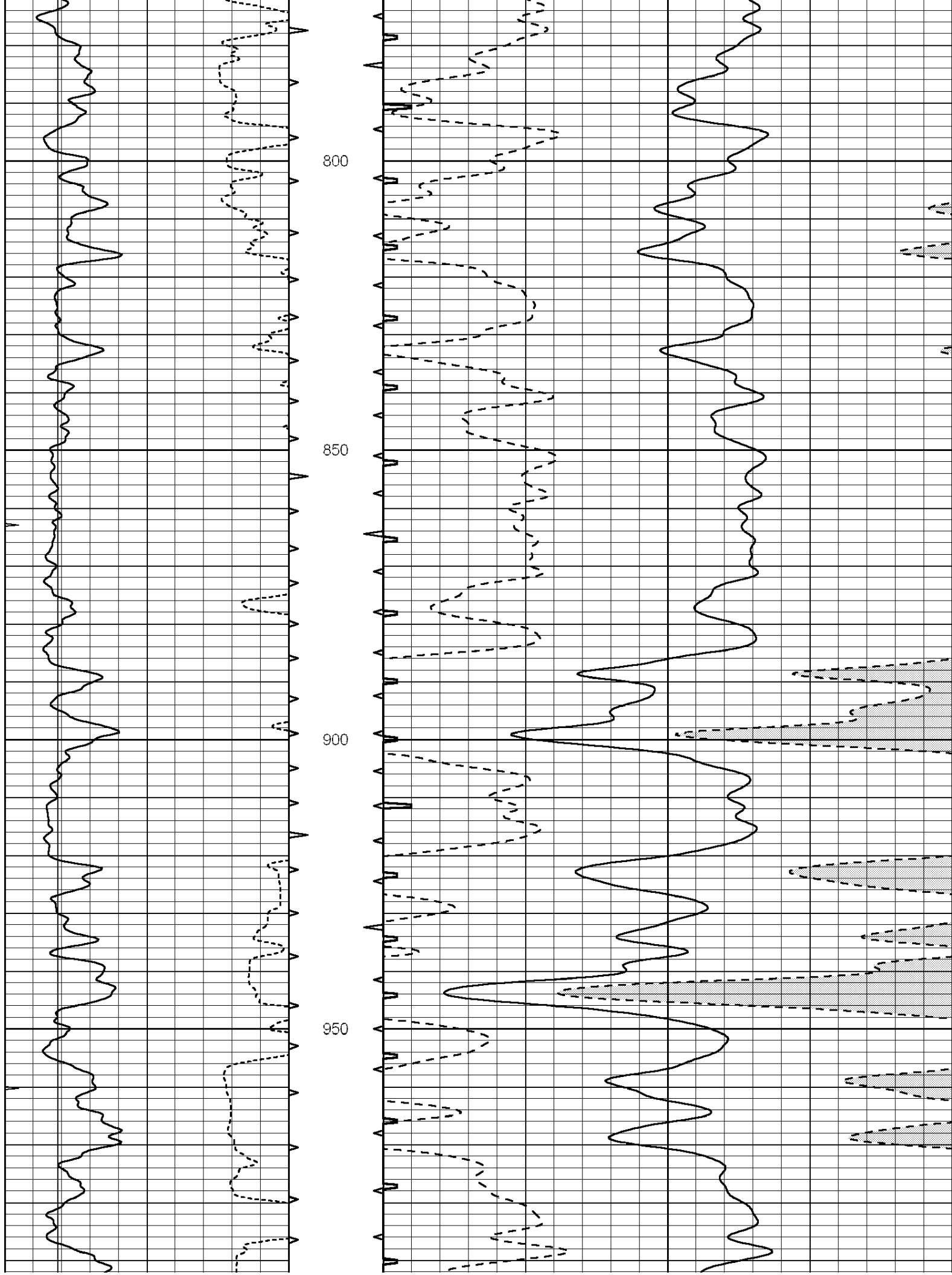
**COMPLETION  
& PRODUCTION**

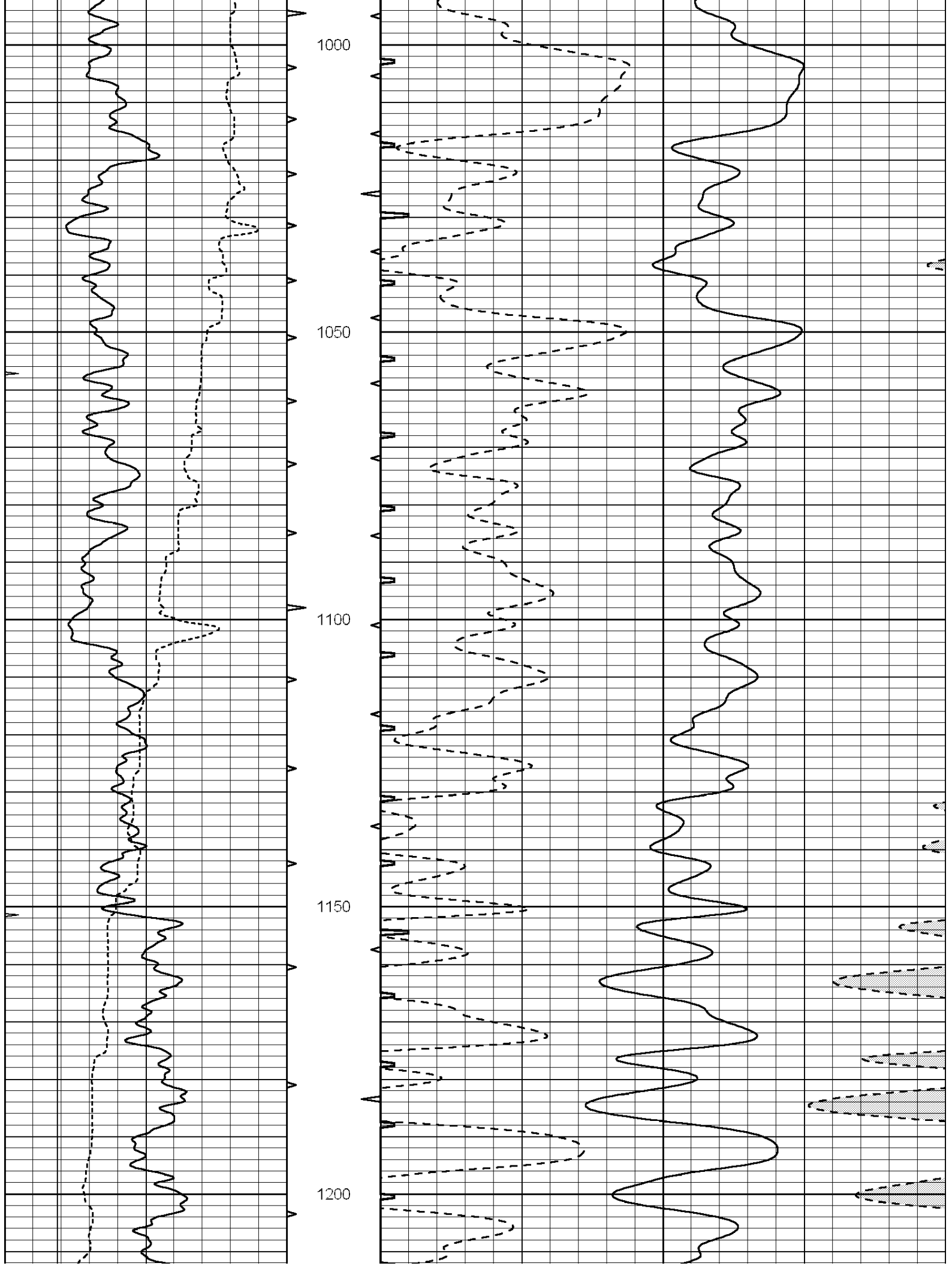
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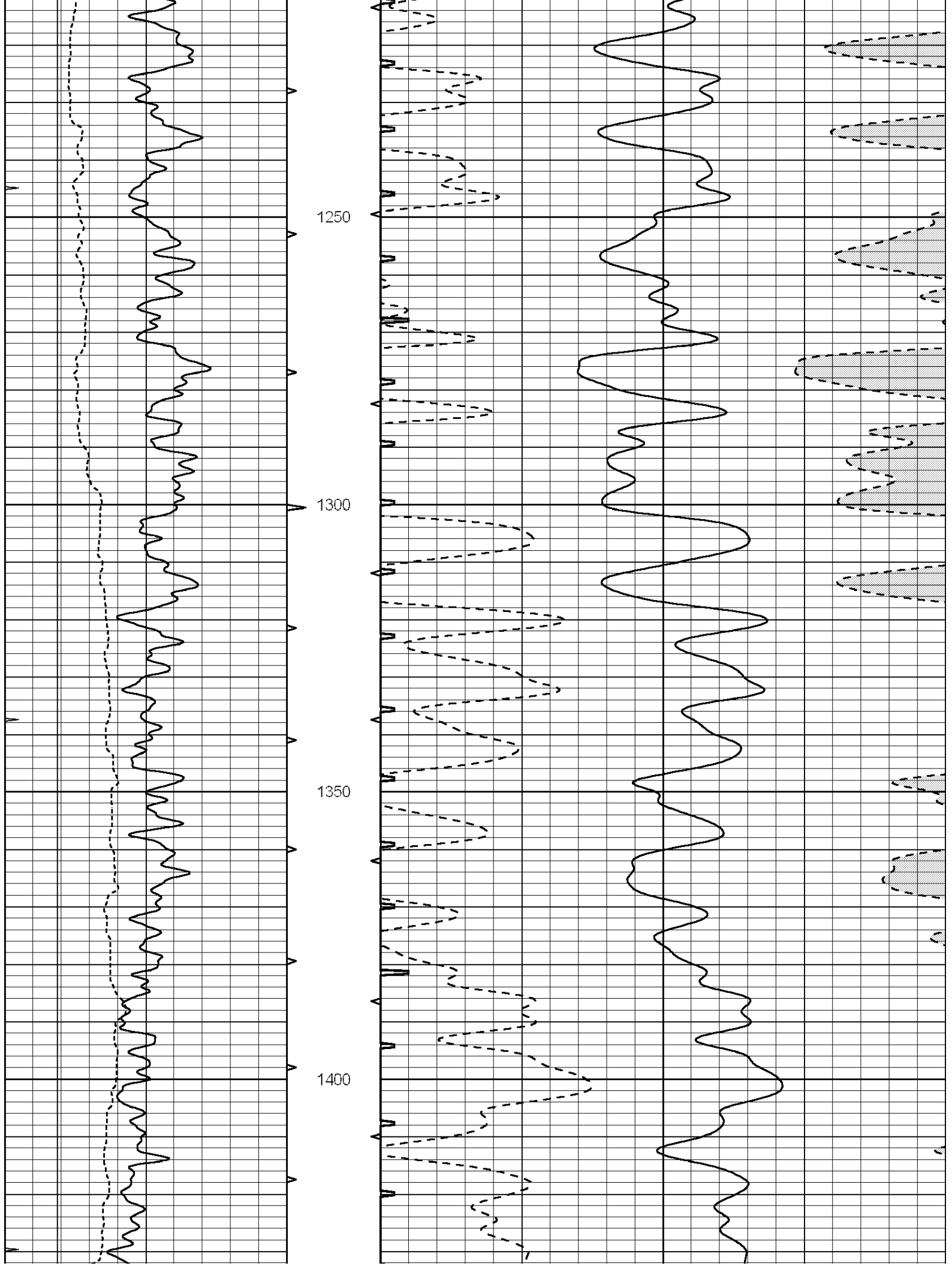
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 Dataset Pathname: pass7.2  
 Presentation Format: slt  
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 Charted by: Depth in Feet scaled 1:240

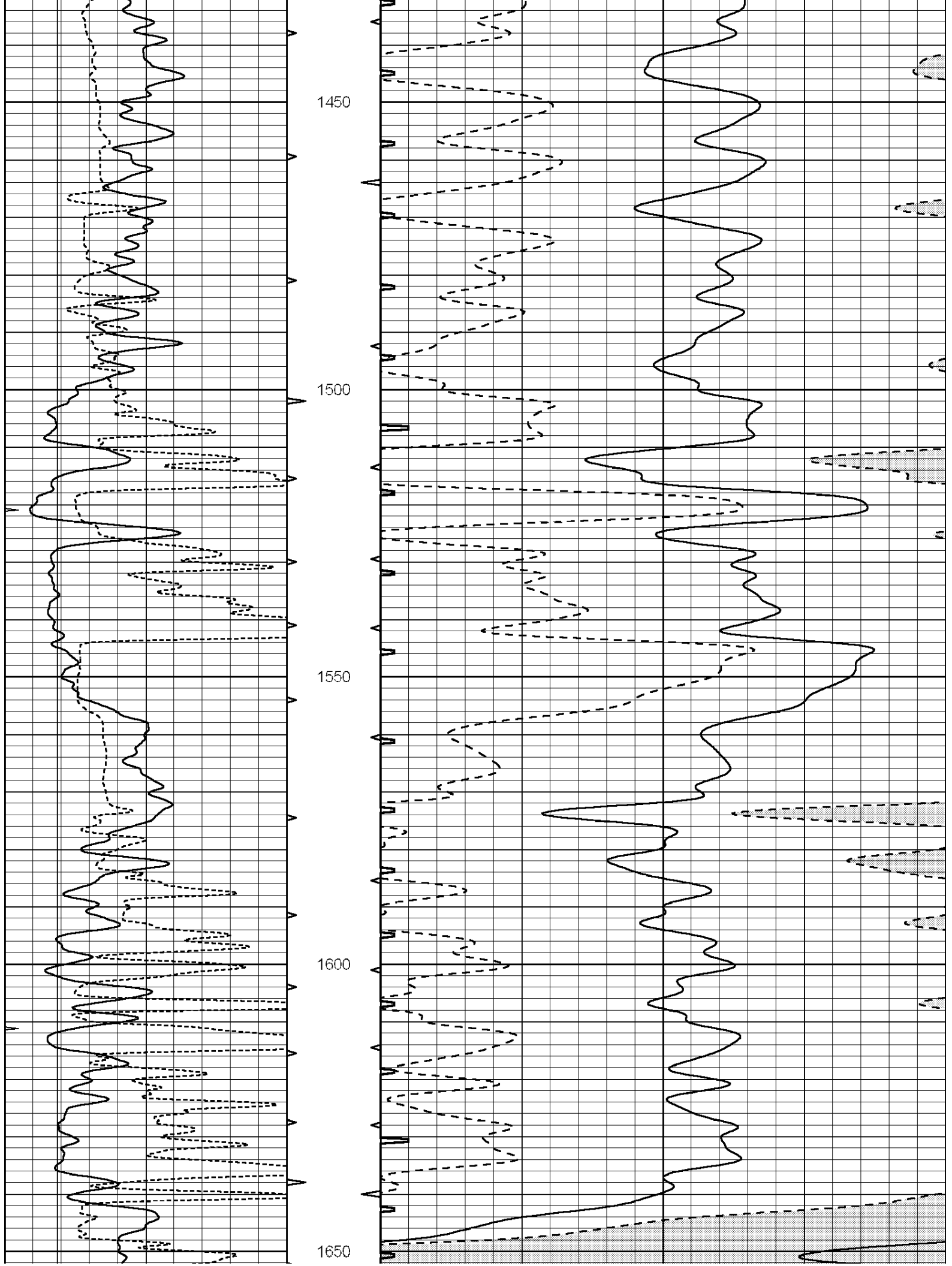
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|---|------------------|-----|------------|-----|----------------------|-----|
| 0 | GAMMA RAY (GAPI) | 150 | ABHV       | 140 | DELTA TIME (usec/ft) | 40  |
| 6 | CALIPER (in)     | 16  | 10 (ft3) 0 | 30  | SONIC POROSITY (pu)  | -10 |
| 0 | MINMK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

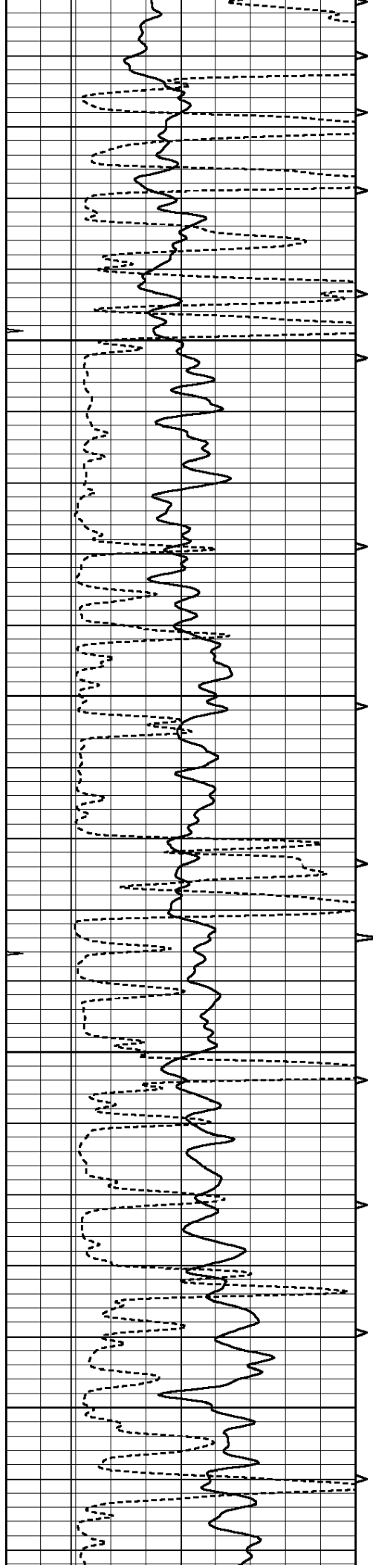










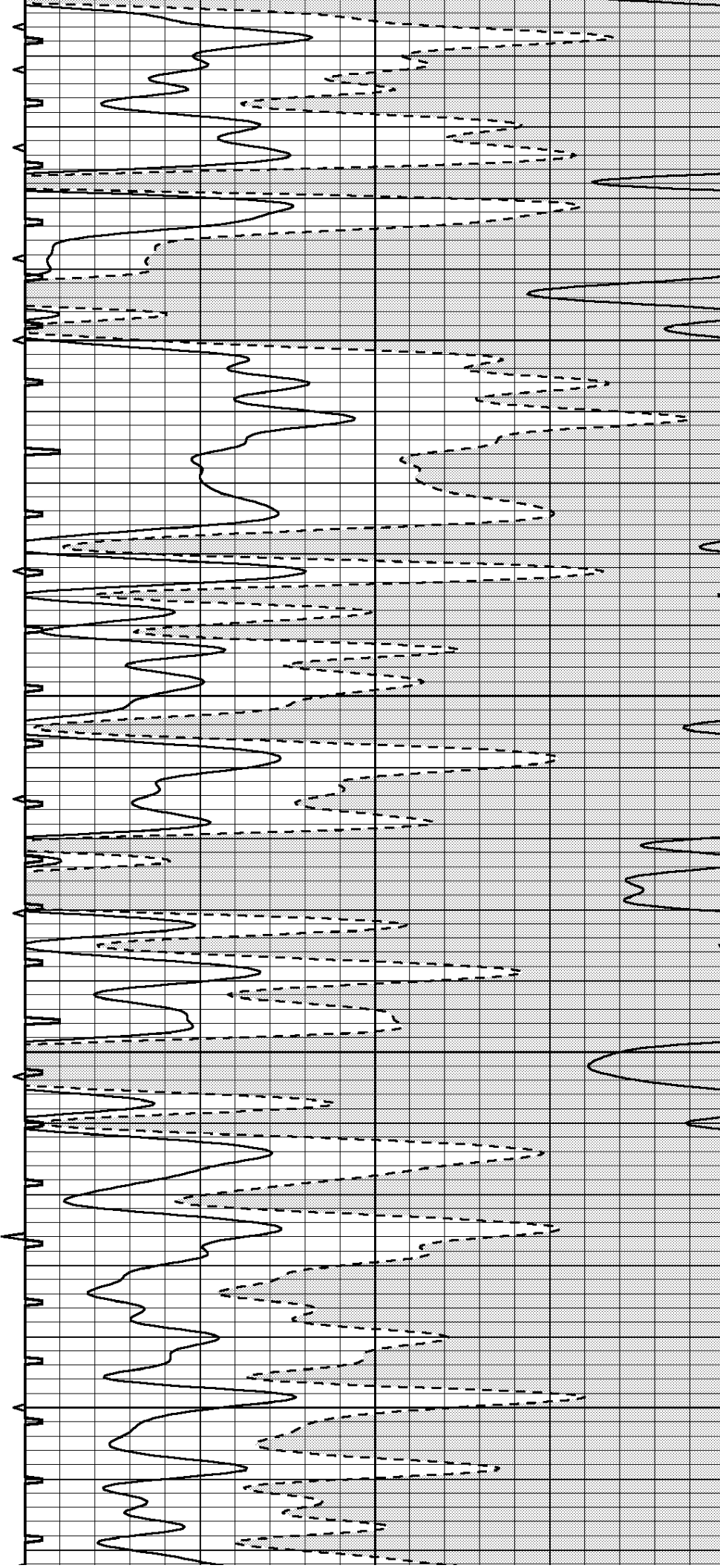


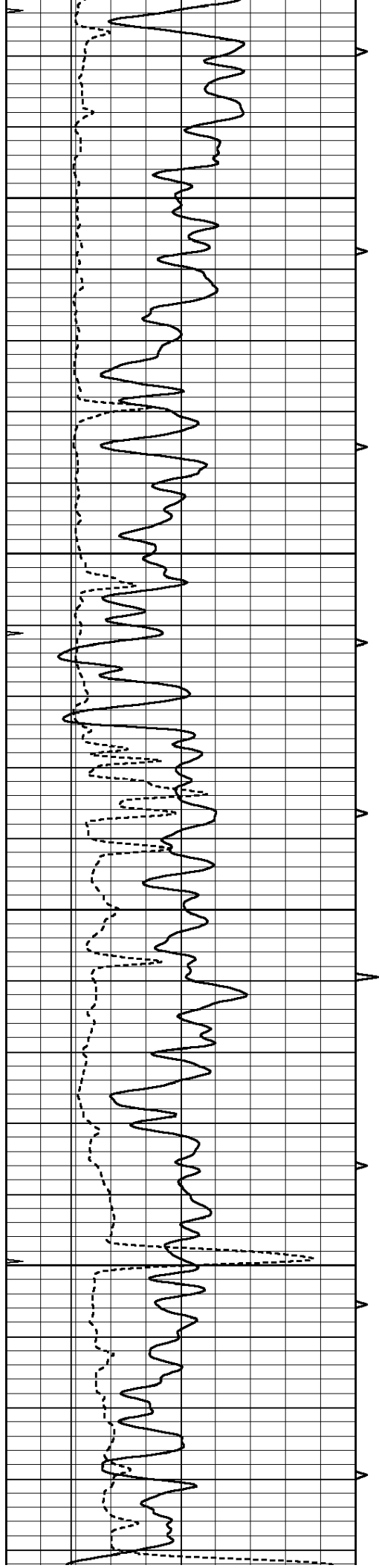
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1850



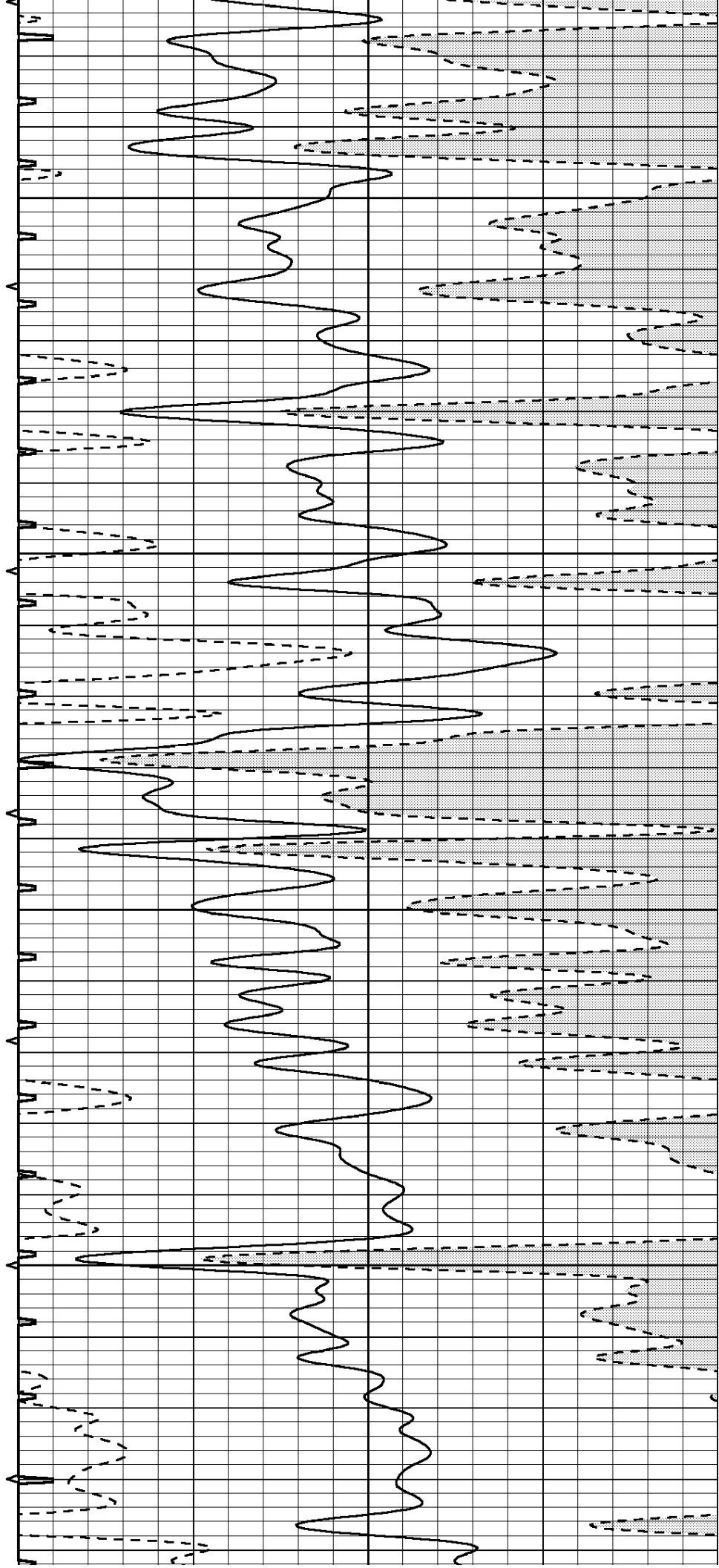


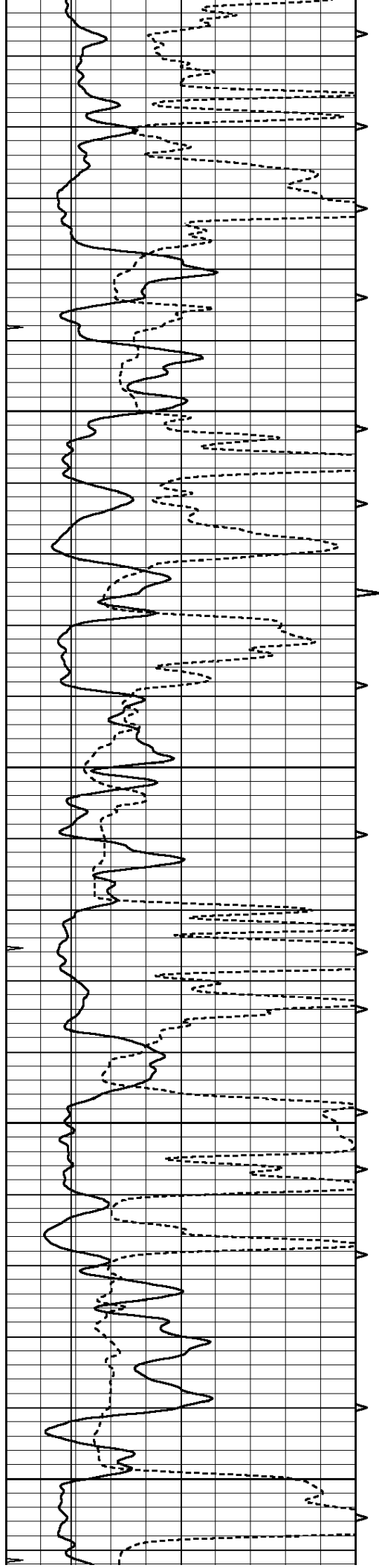
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1950

2000

2050





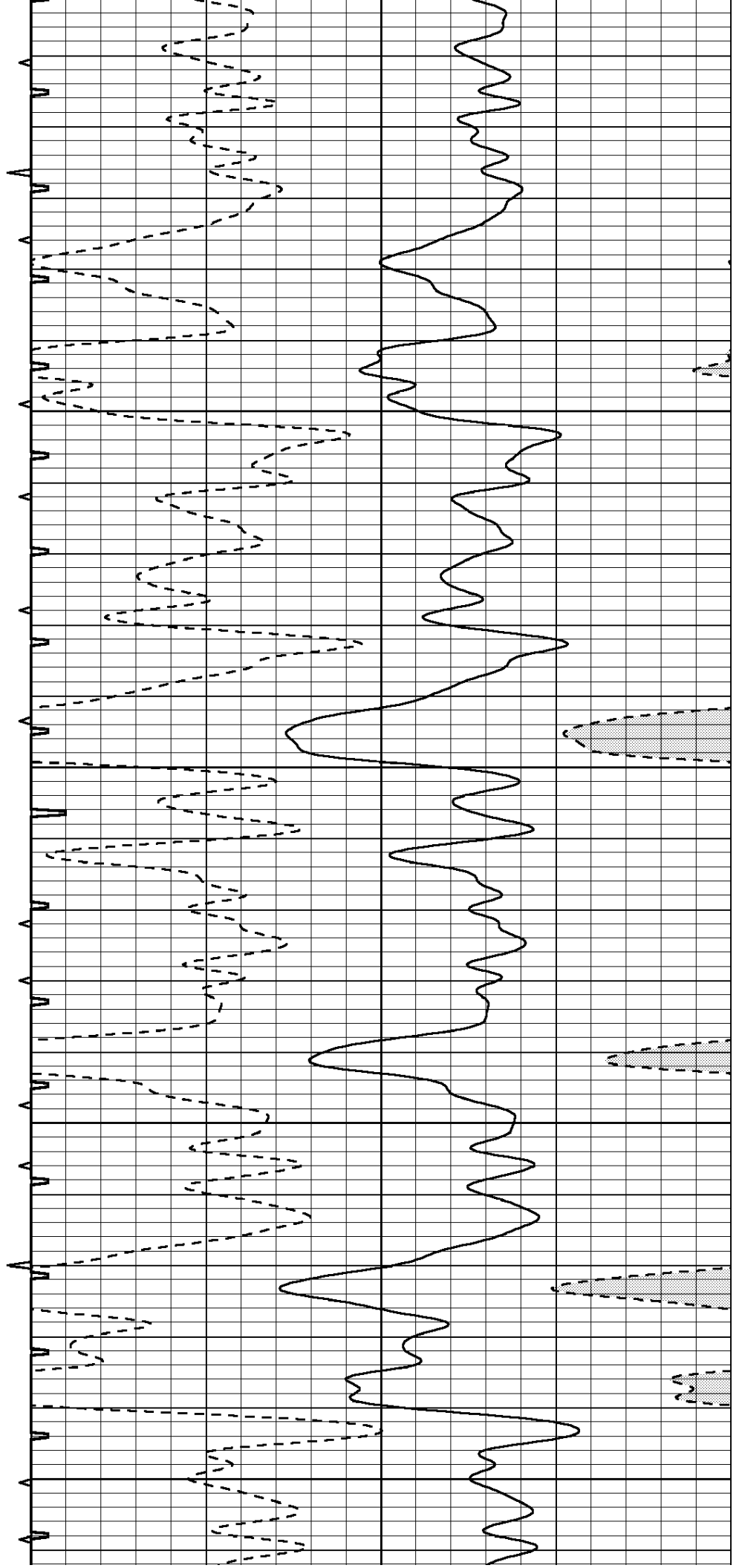
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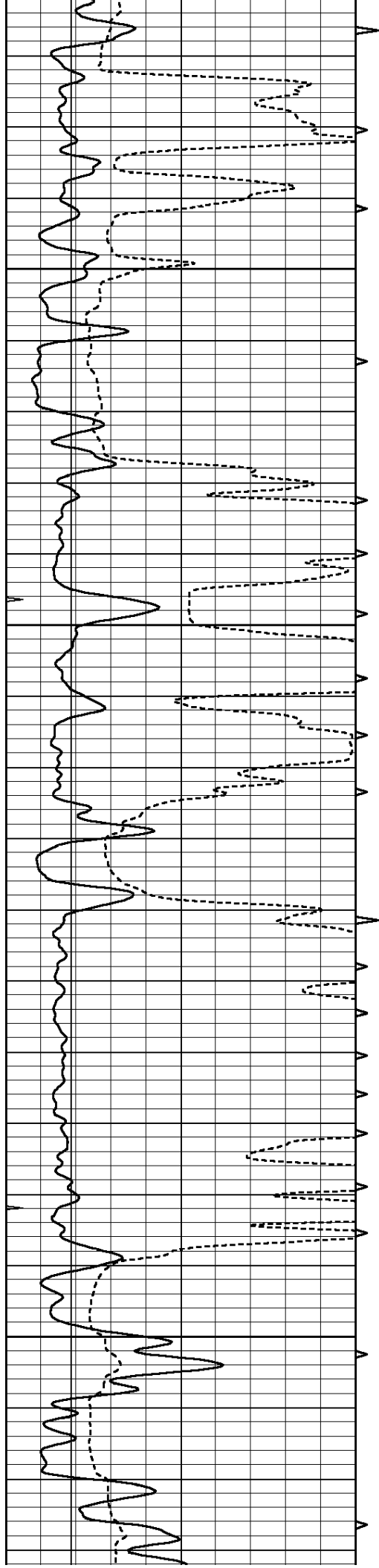
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2250

2300



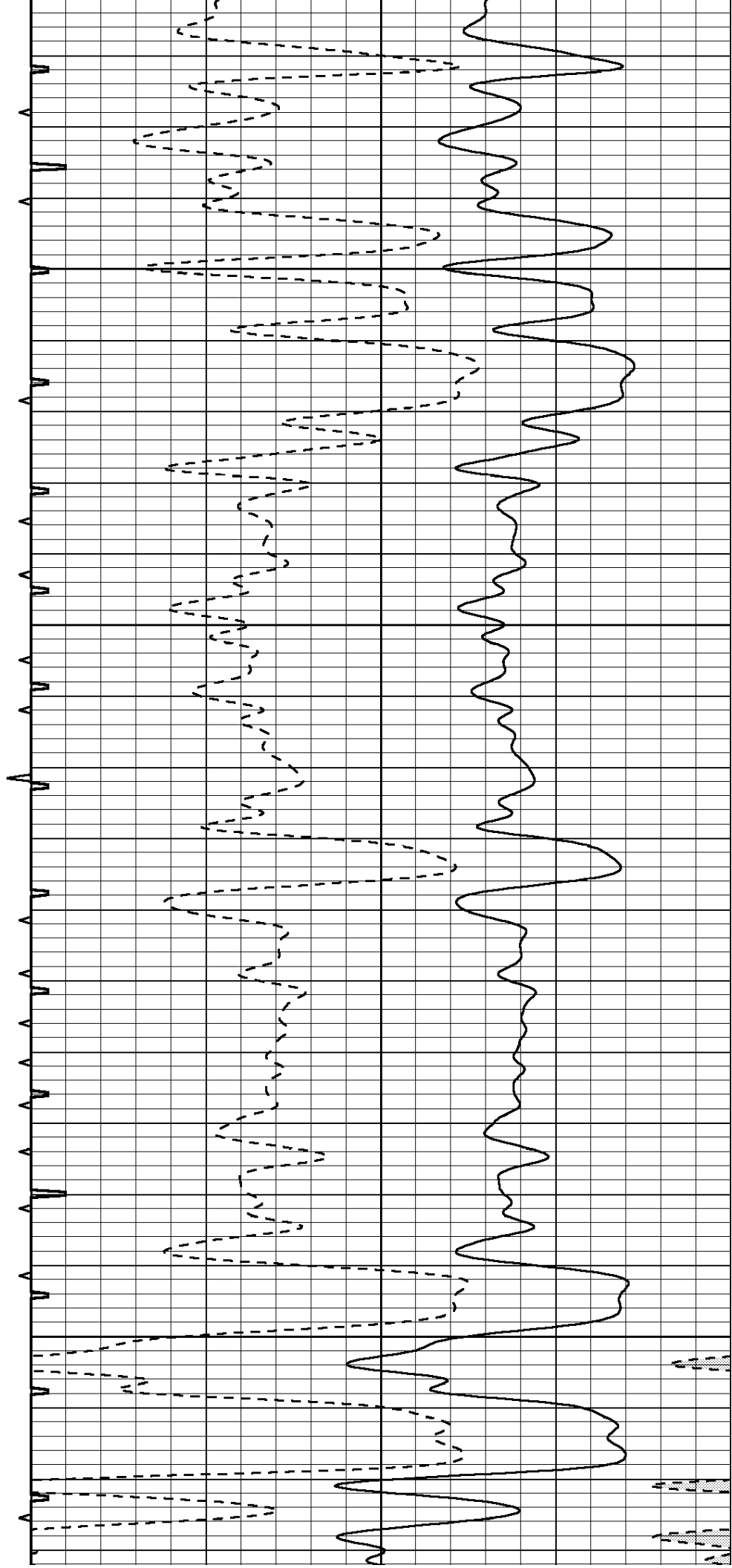


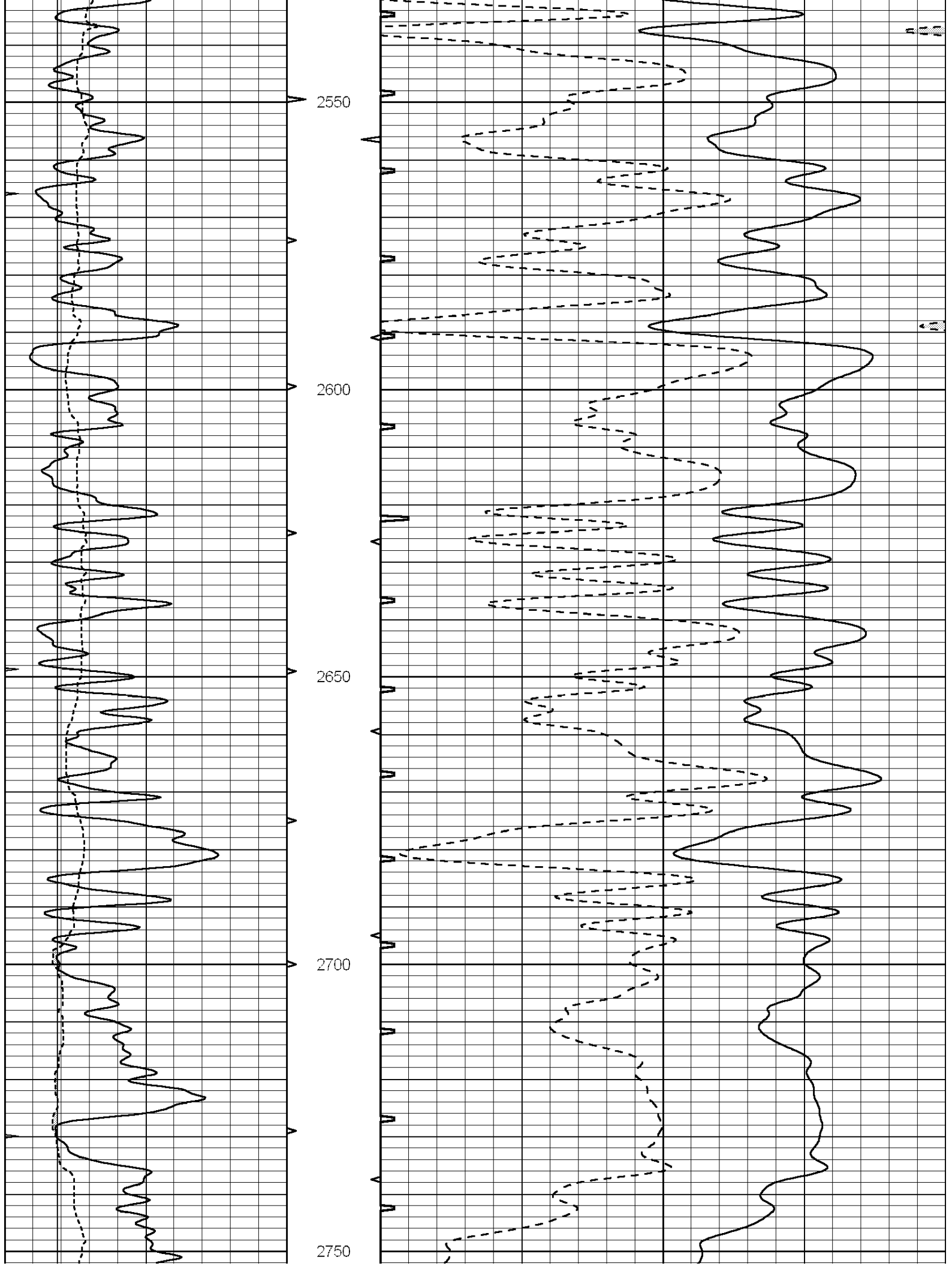
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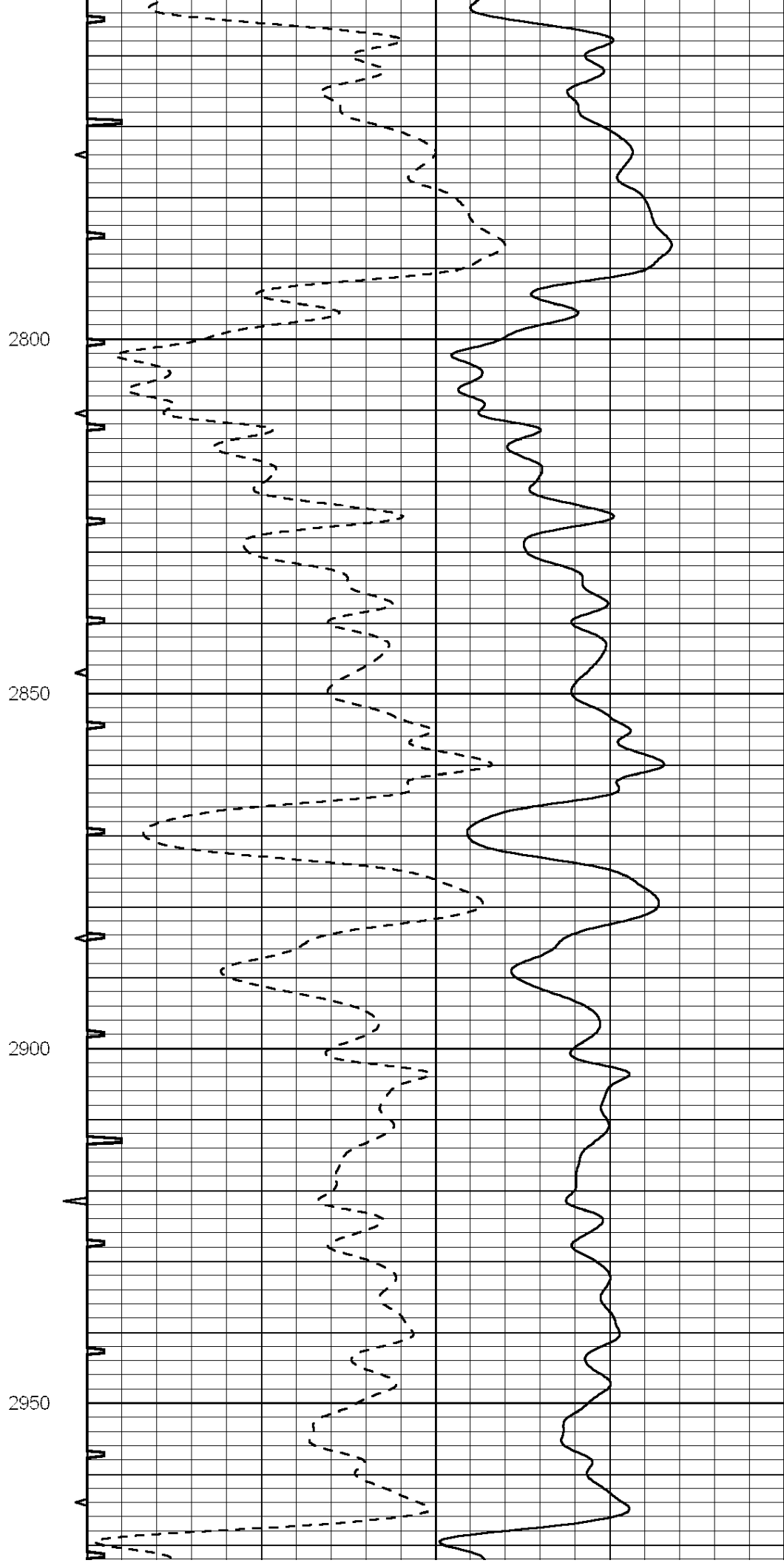
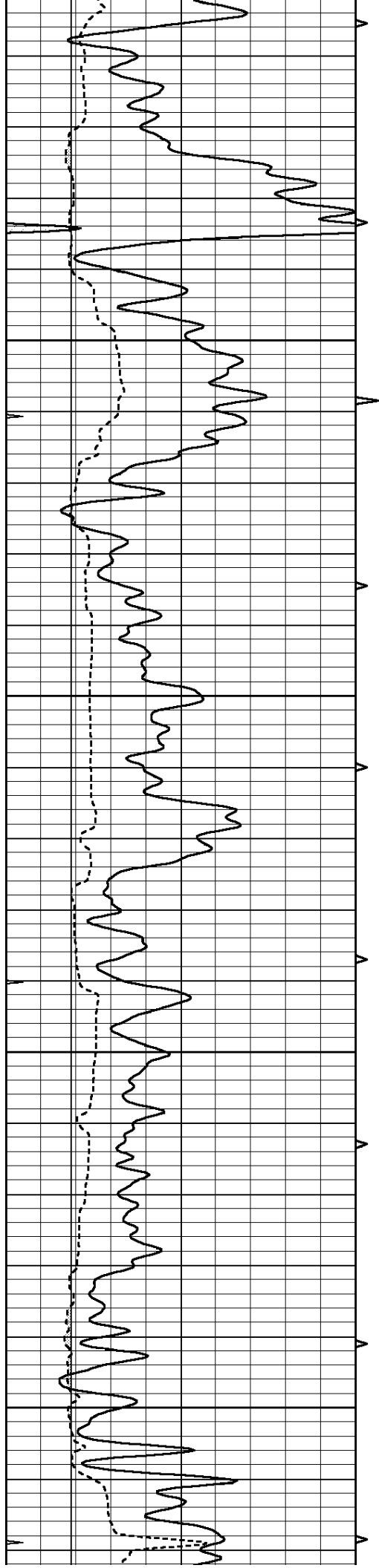
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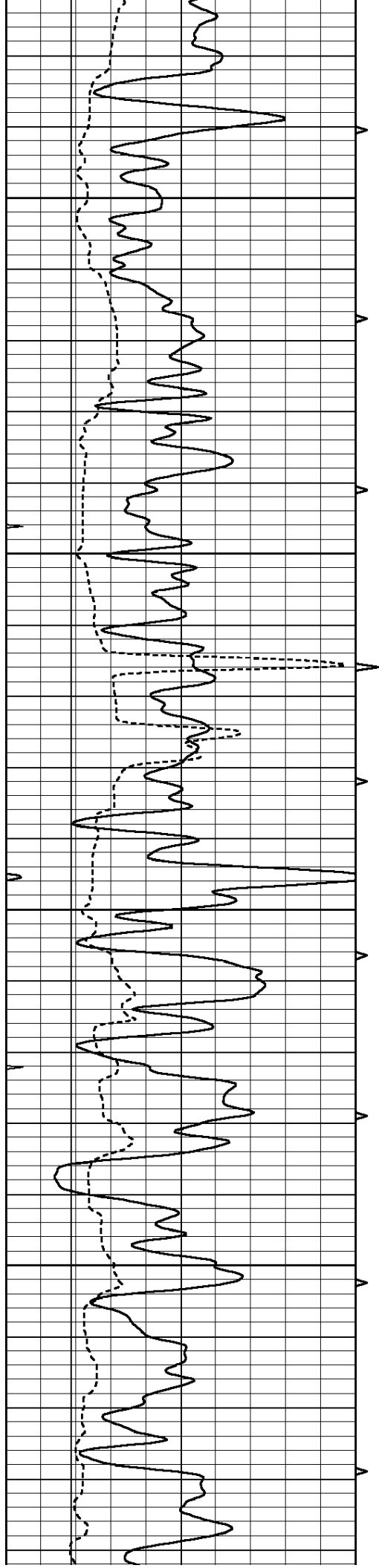
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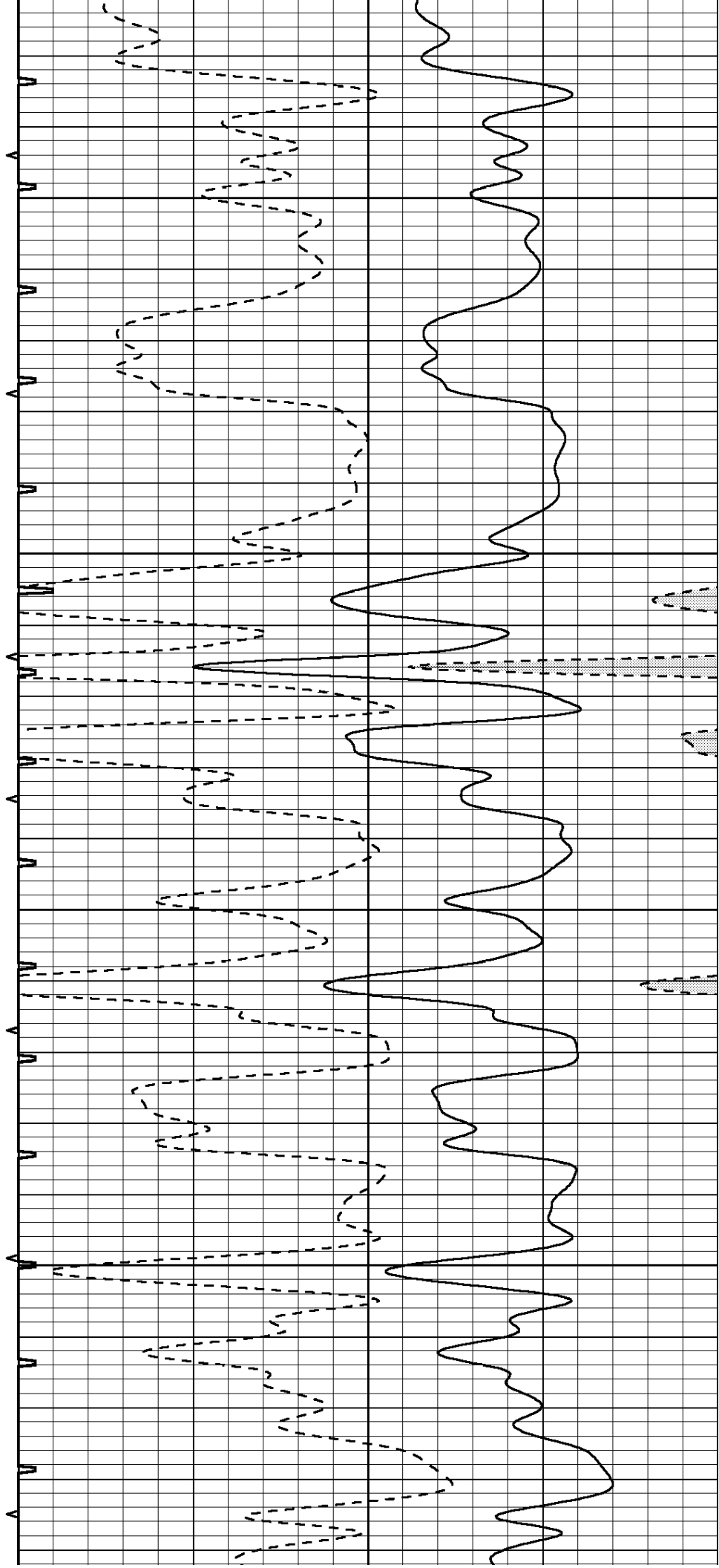


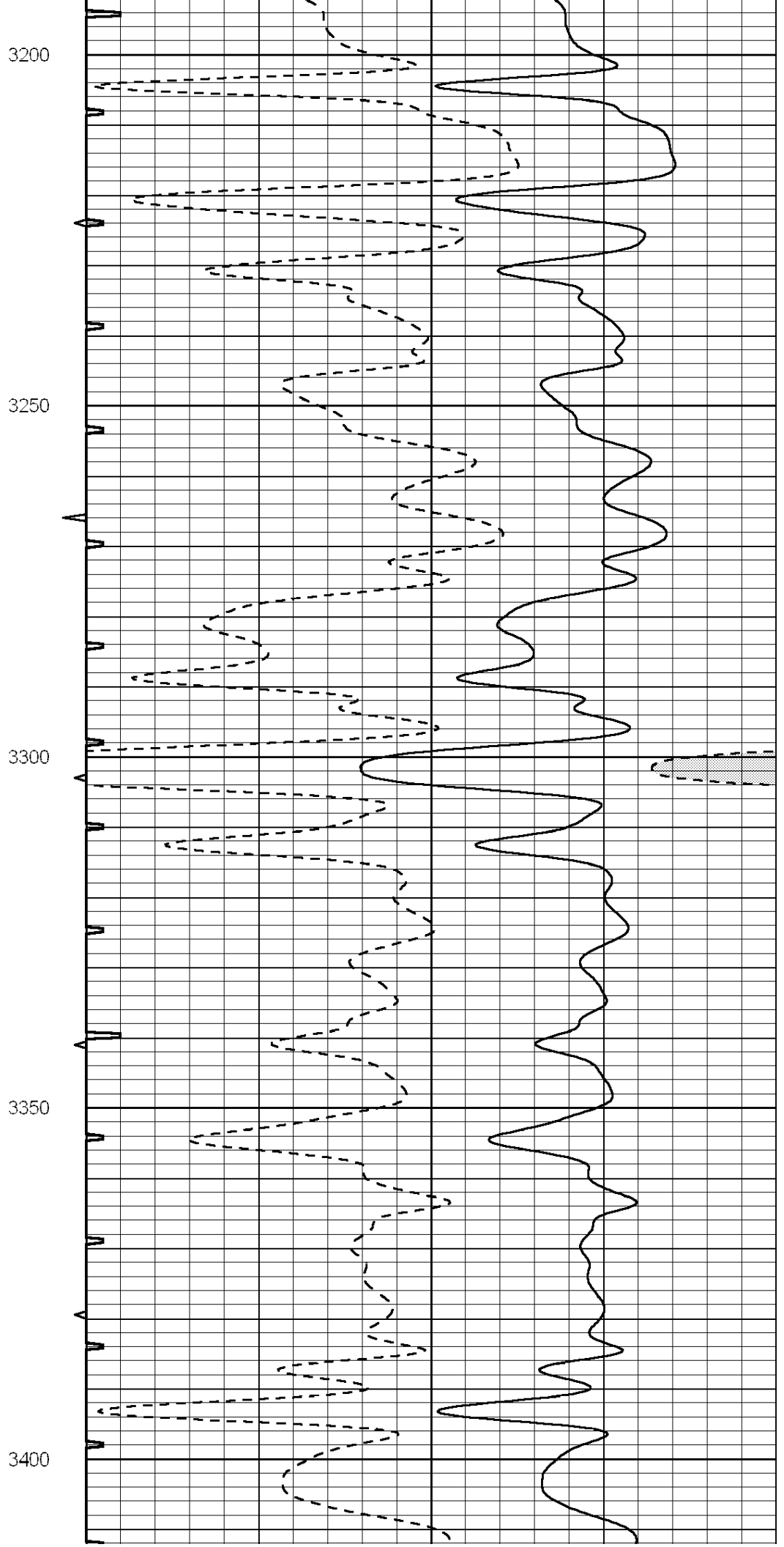
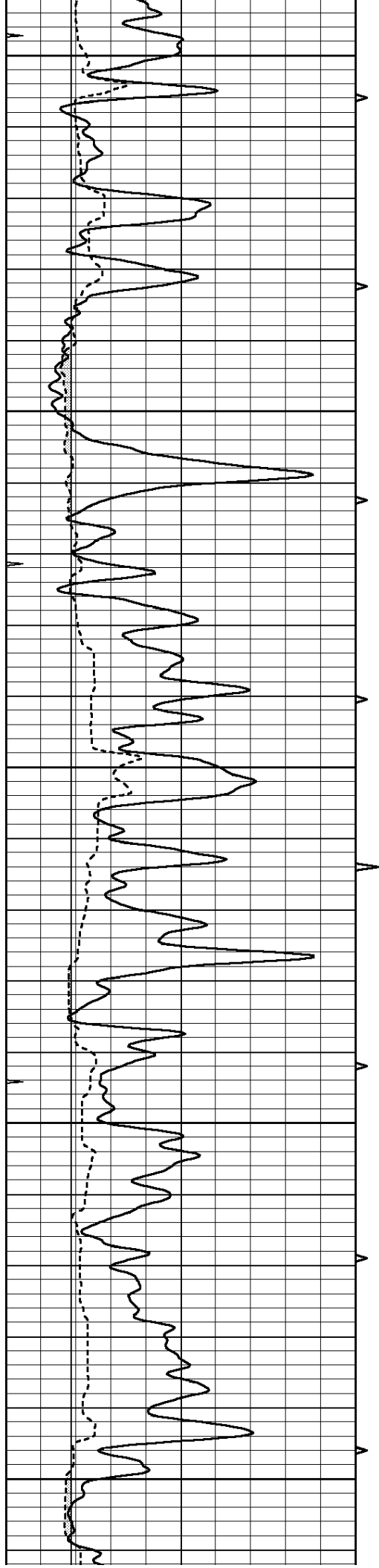
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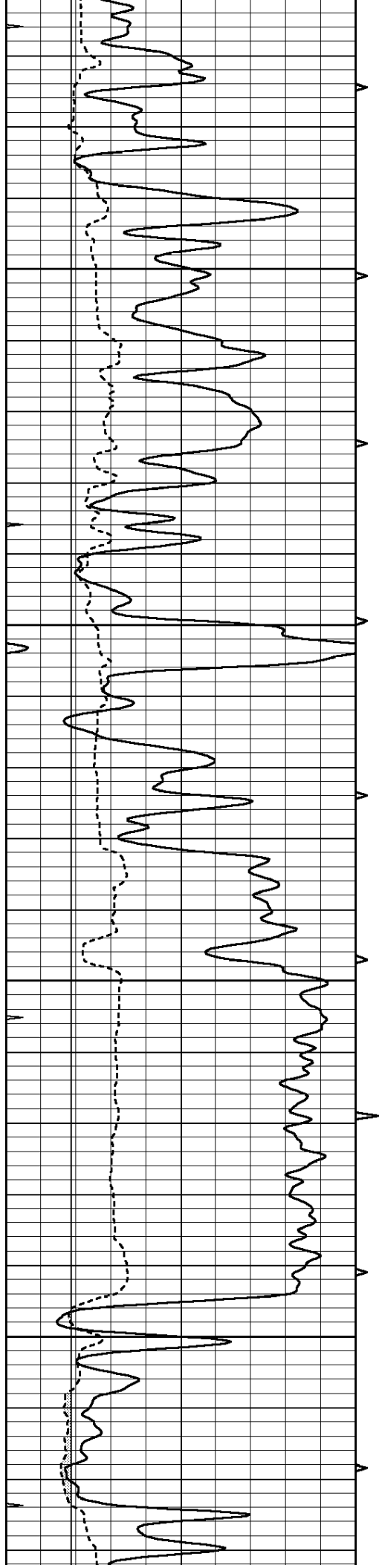
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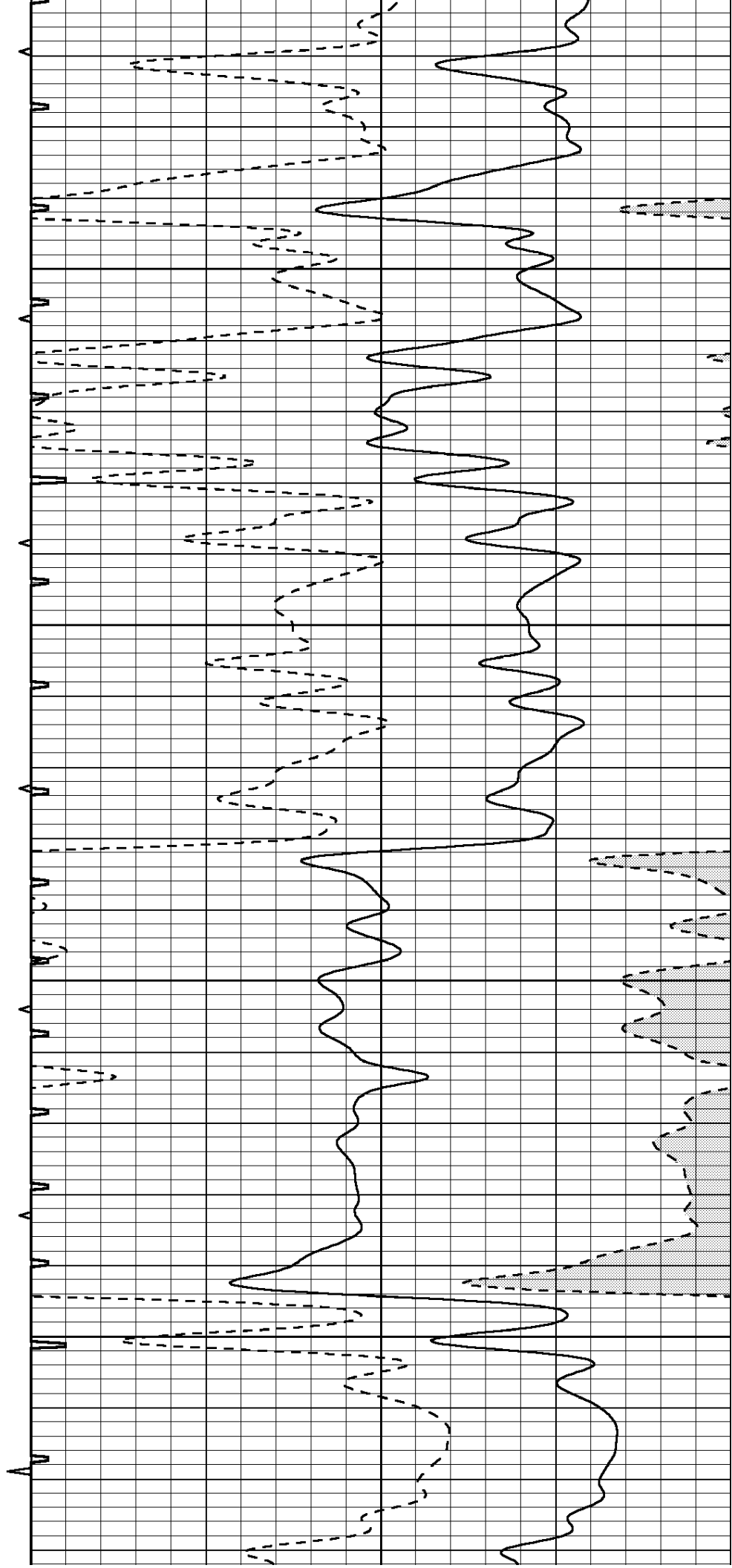


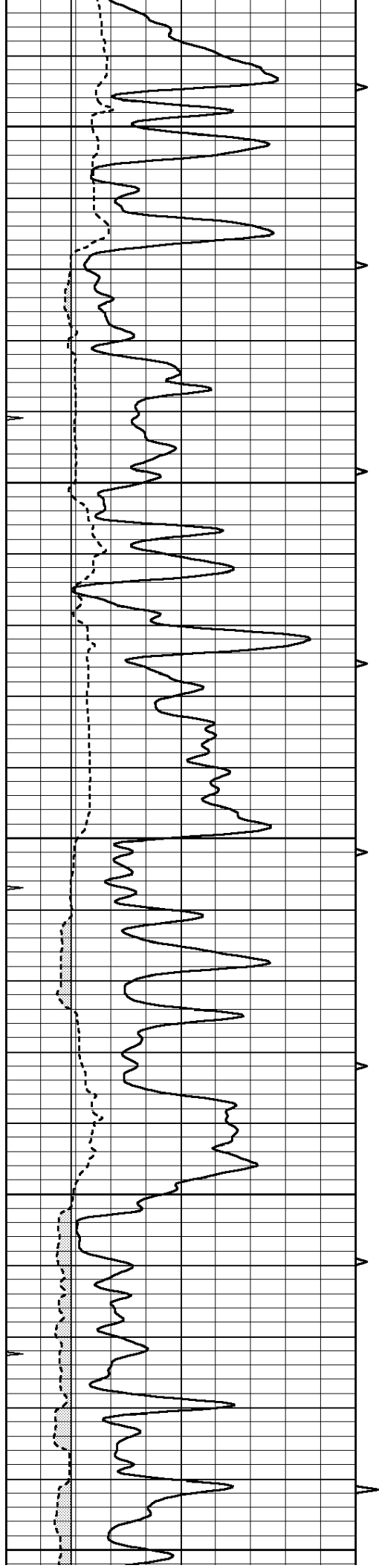
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3600





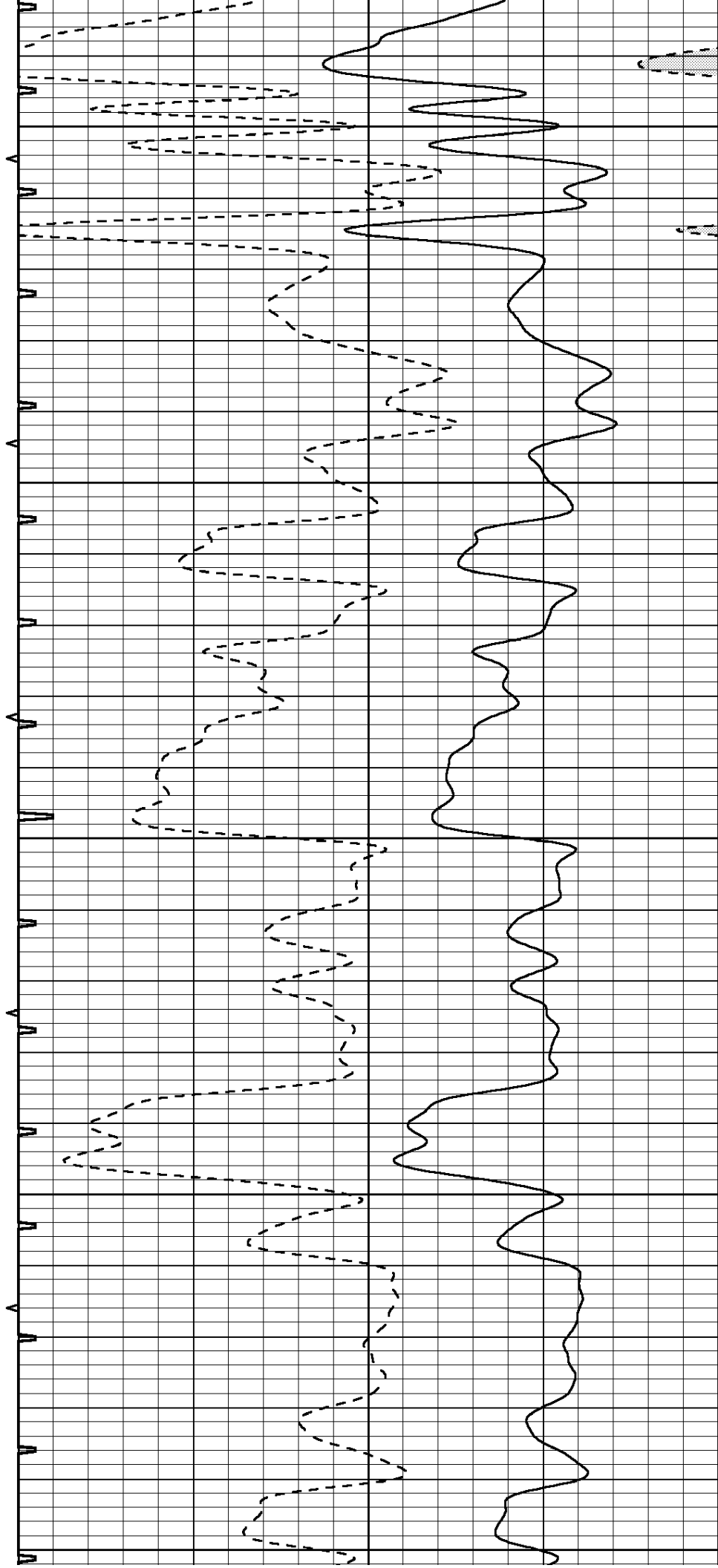
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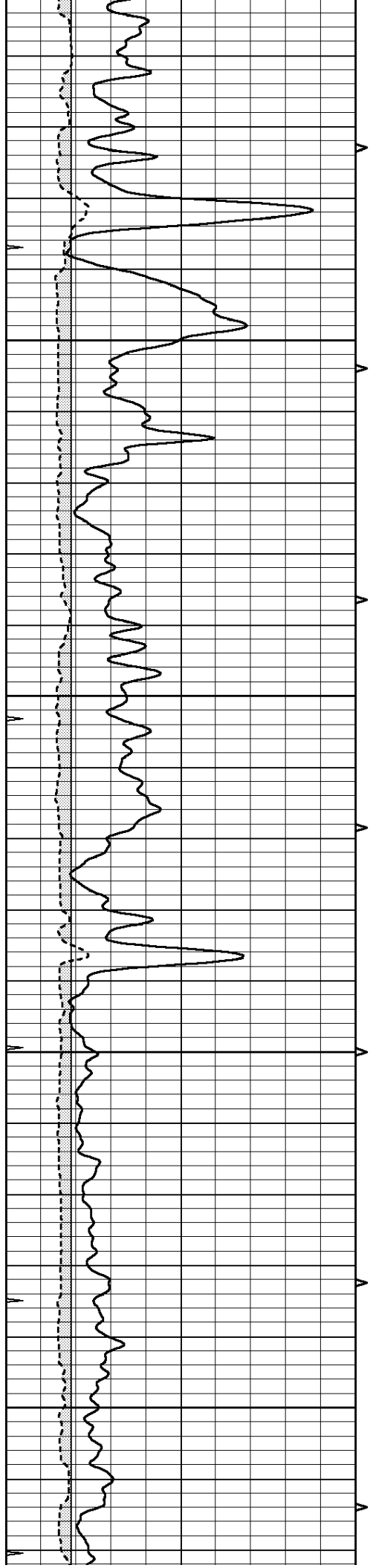
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3750

3800

3850



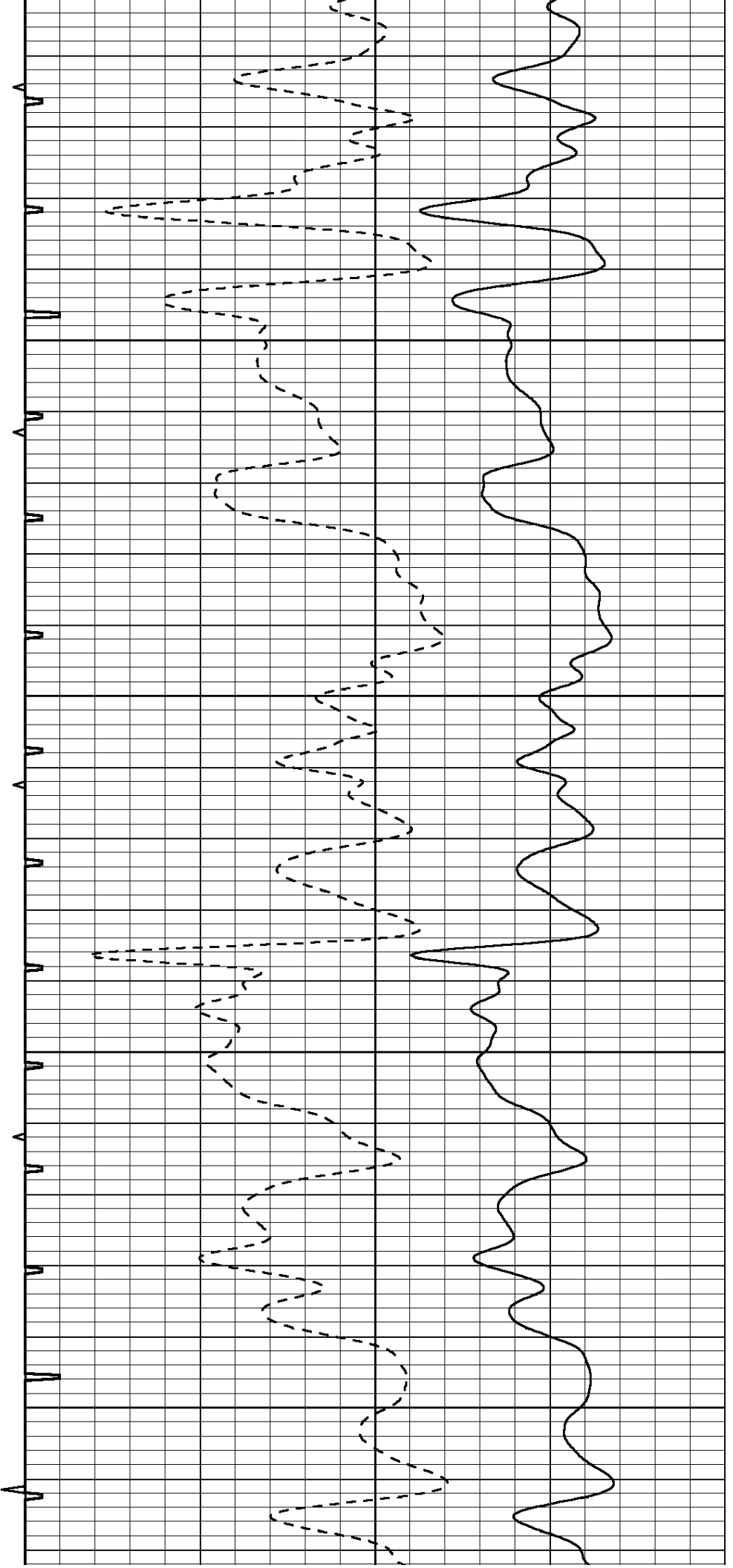


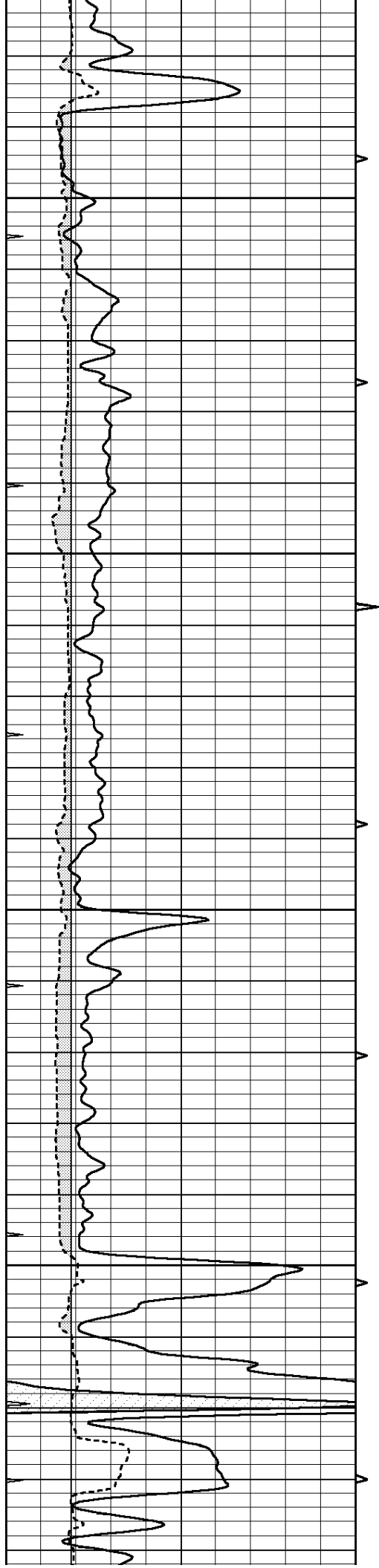
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4050



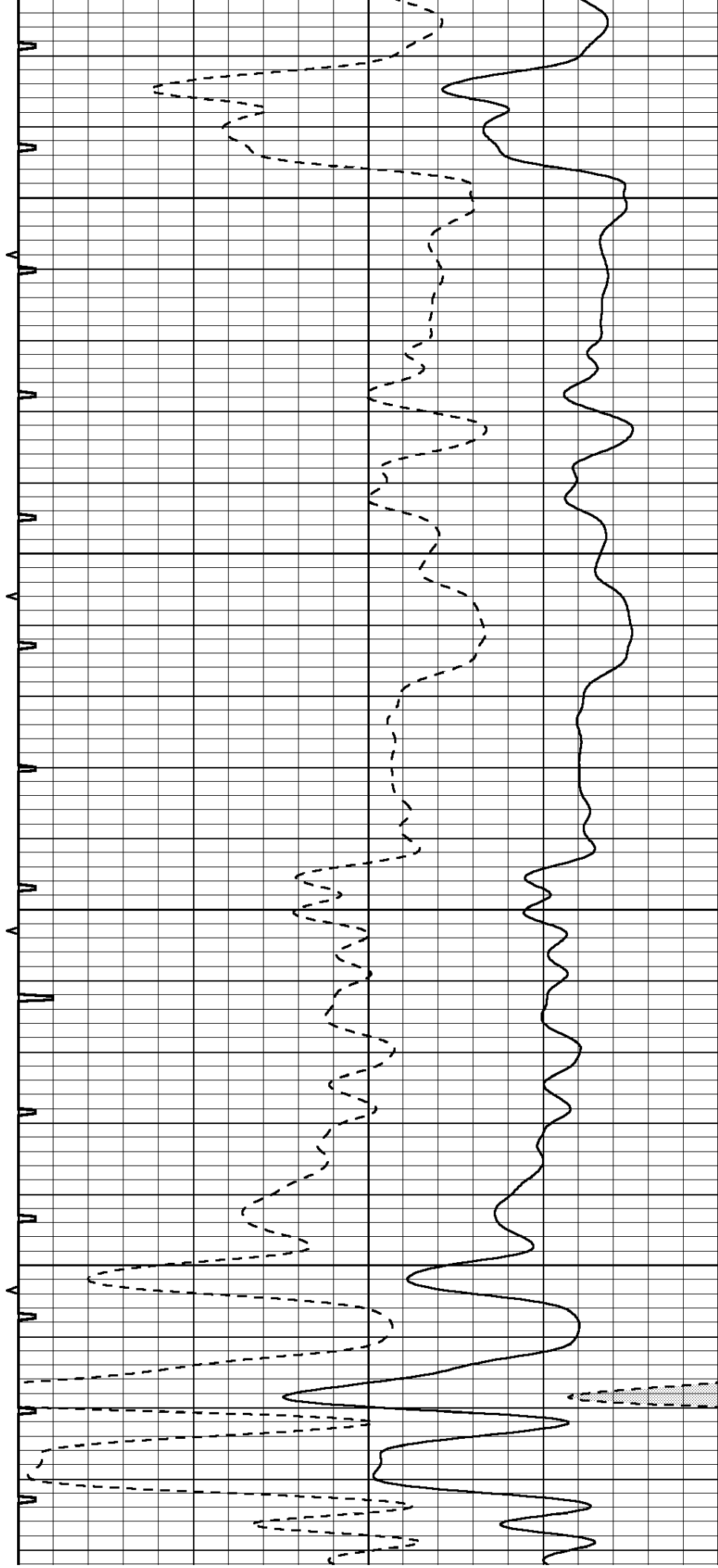


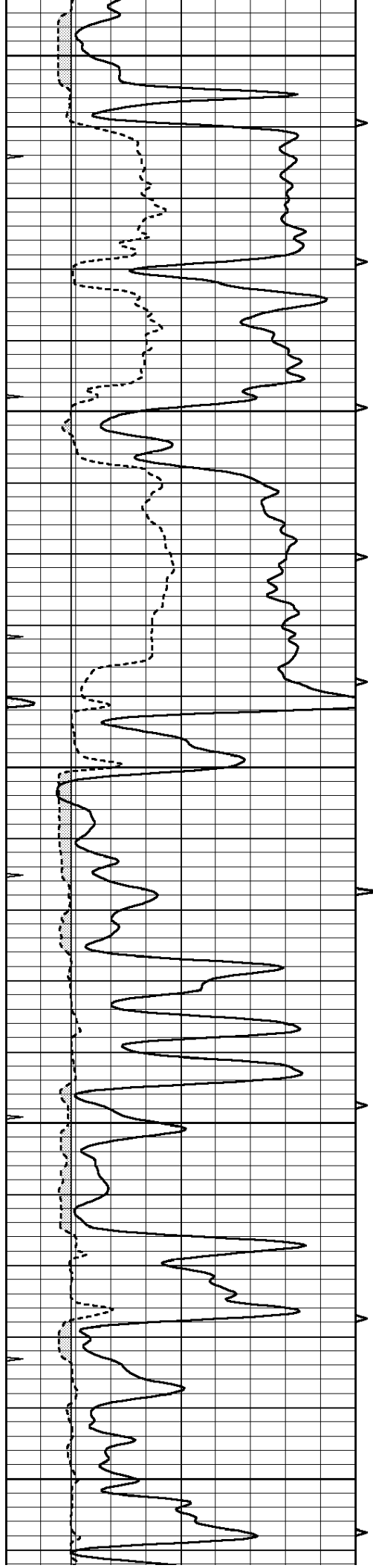
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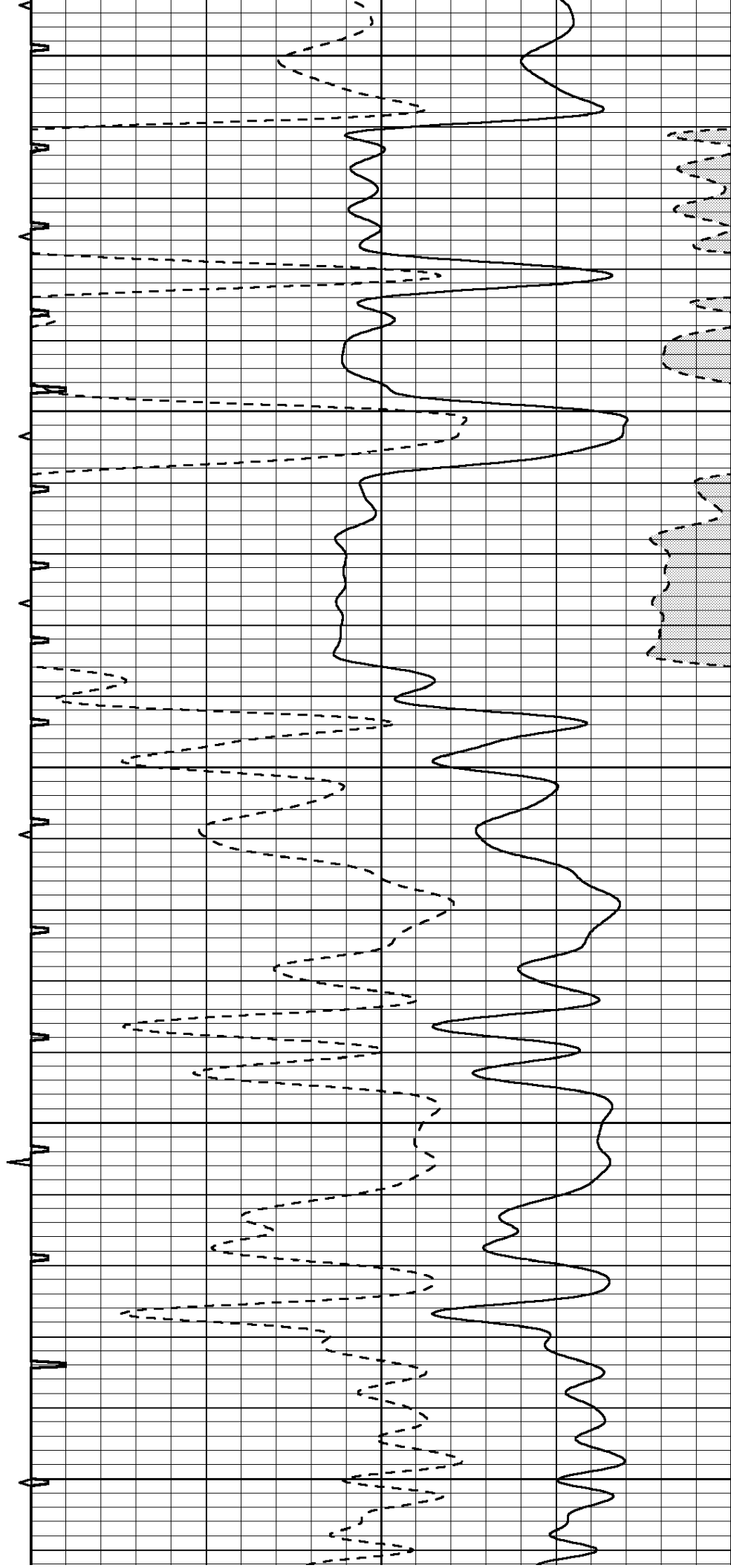
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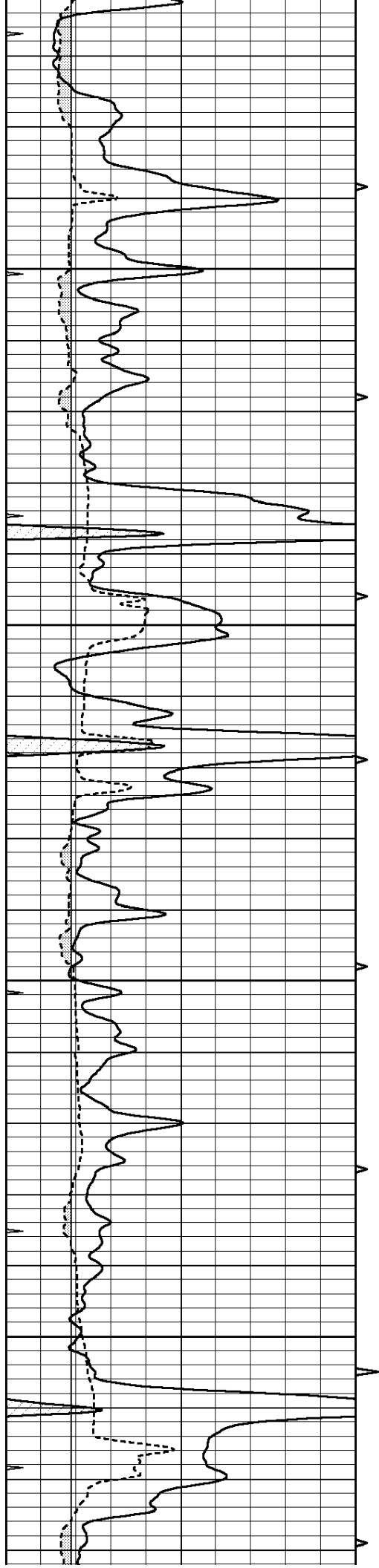
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4500



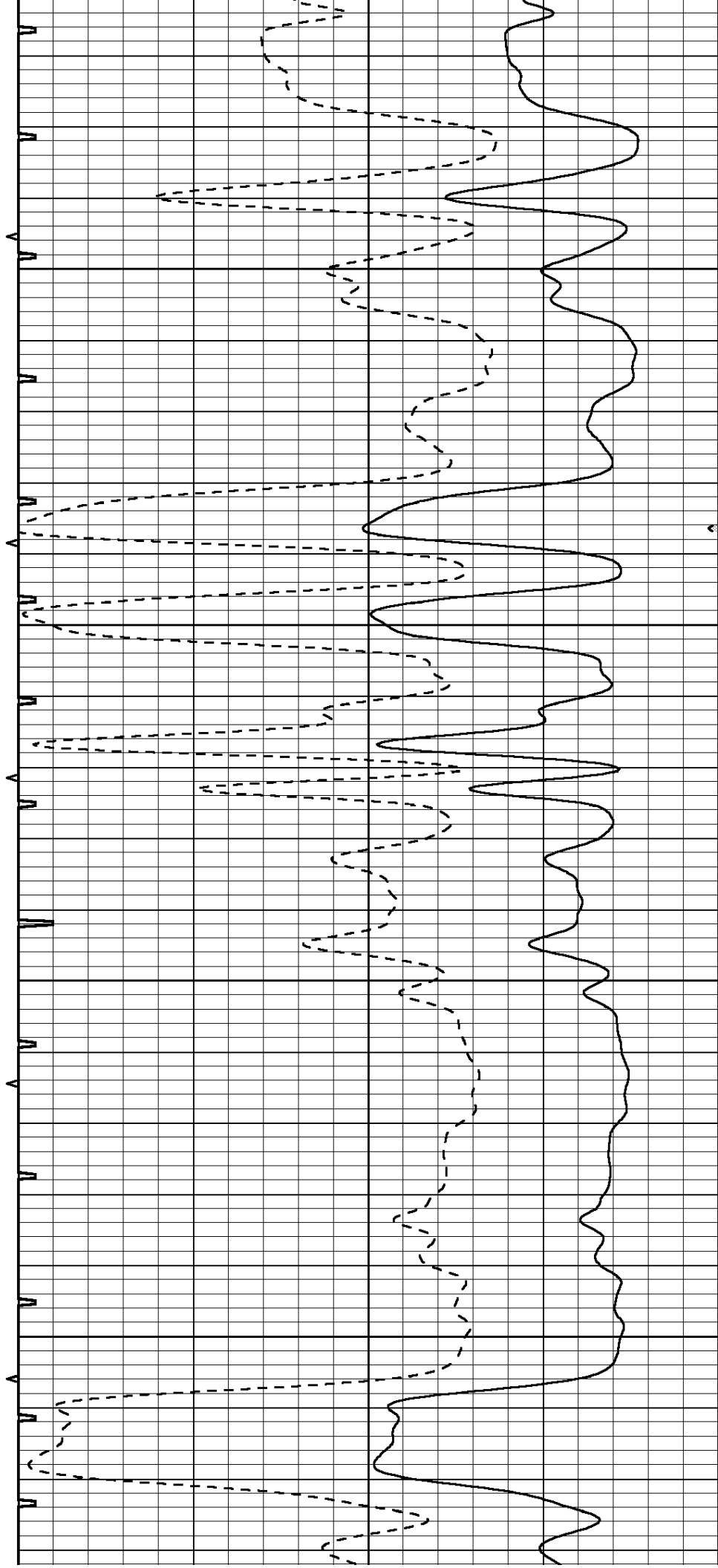


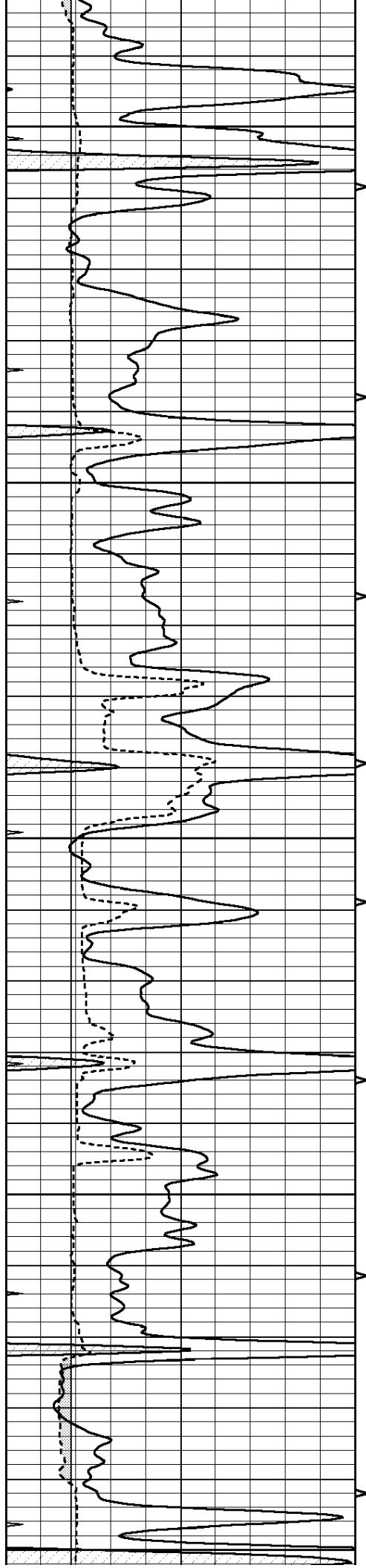
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4700





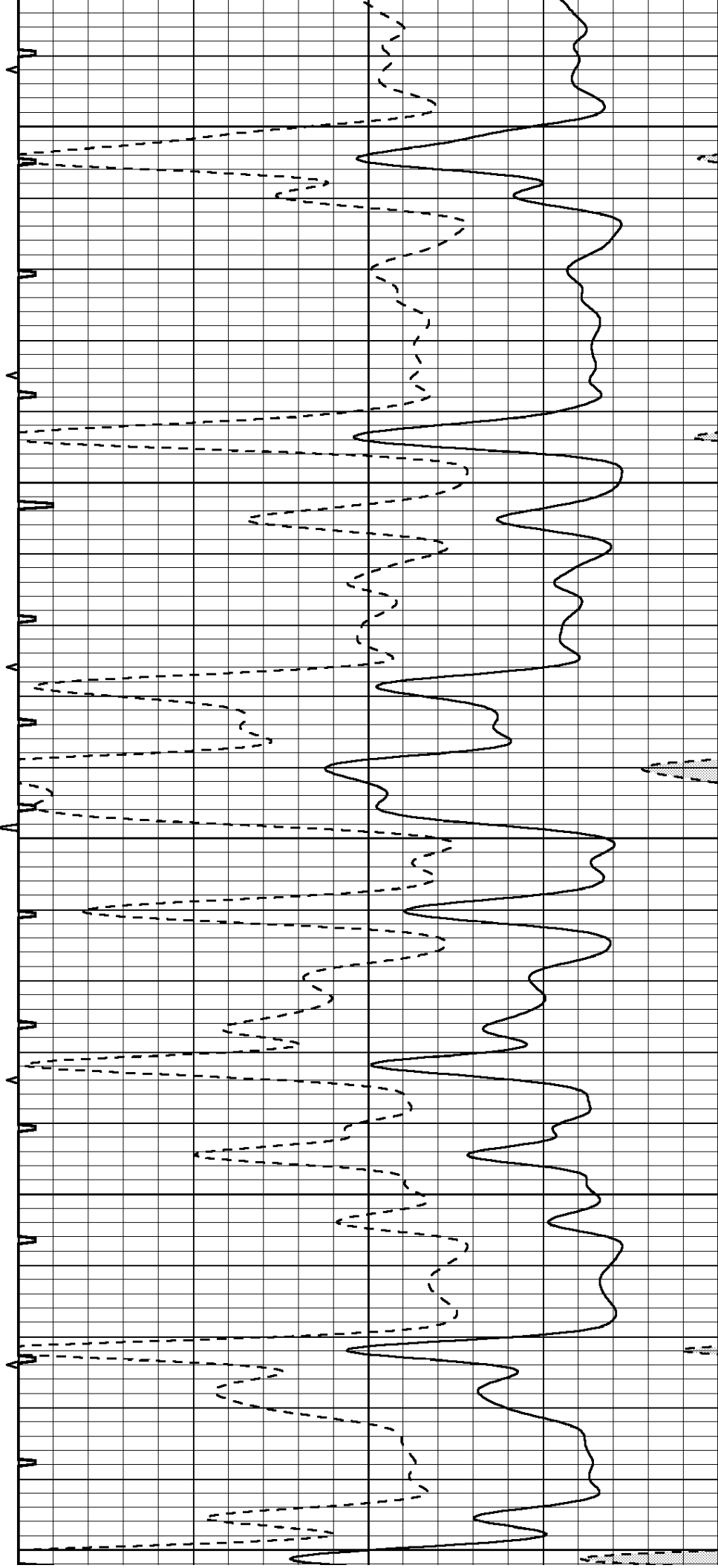
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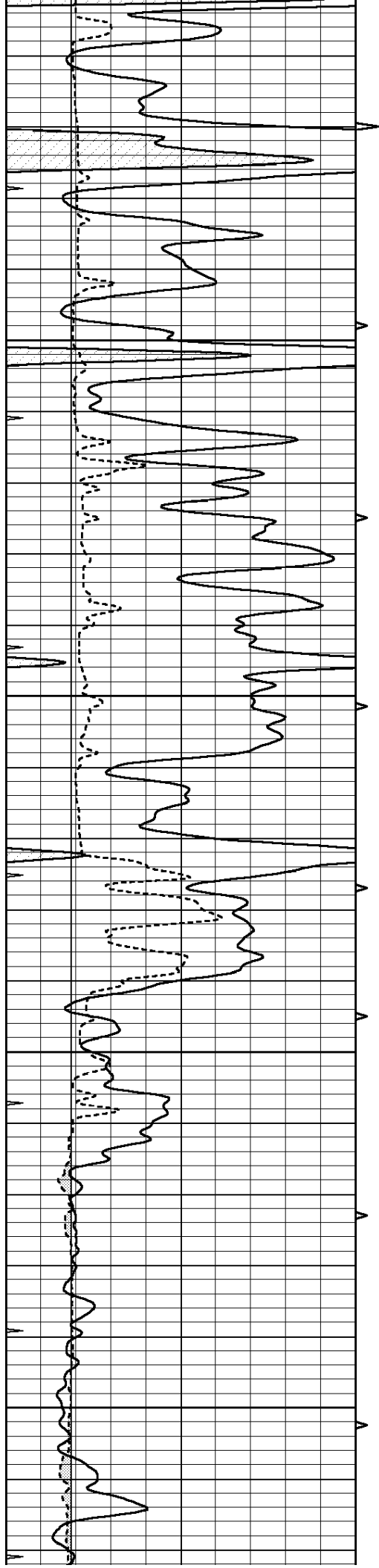
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4850

4900

4950



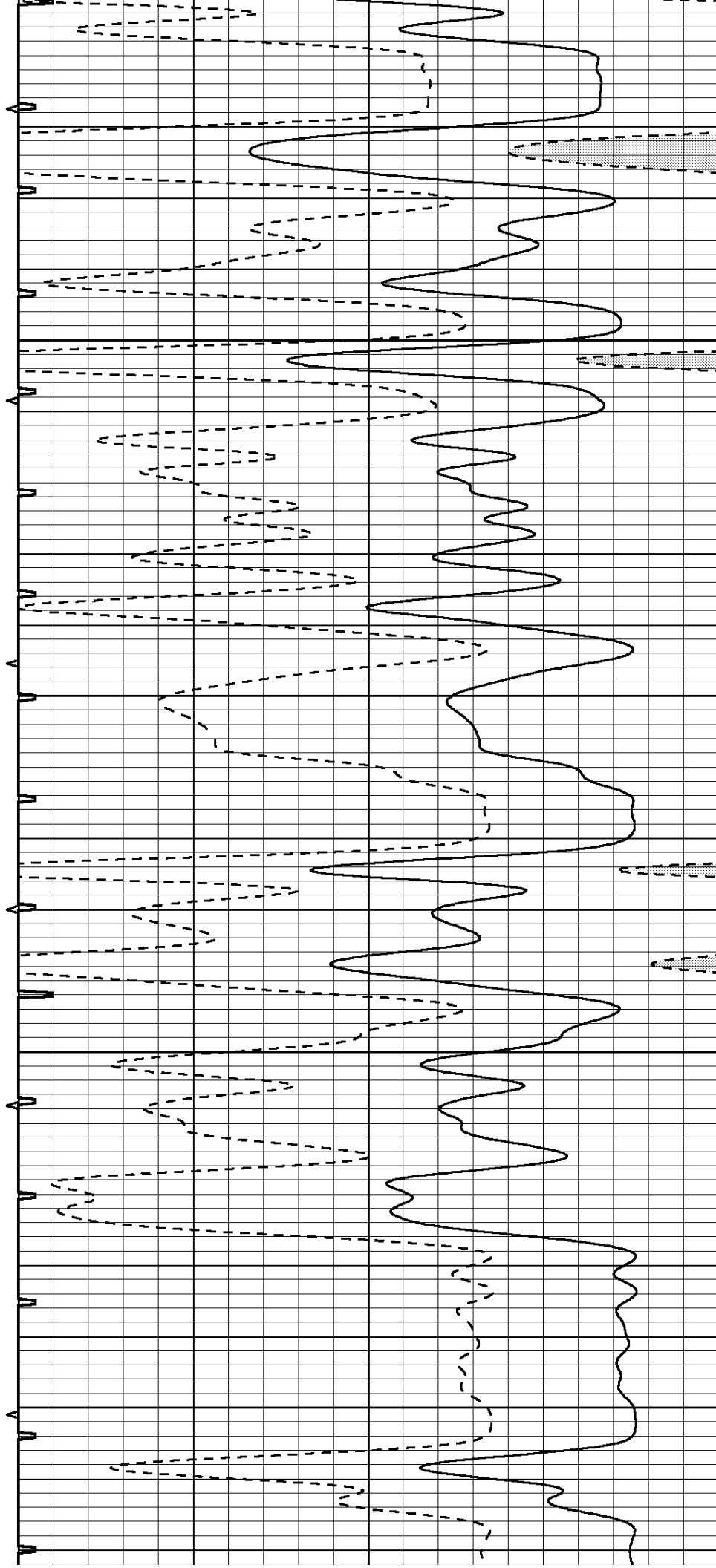


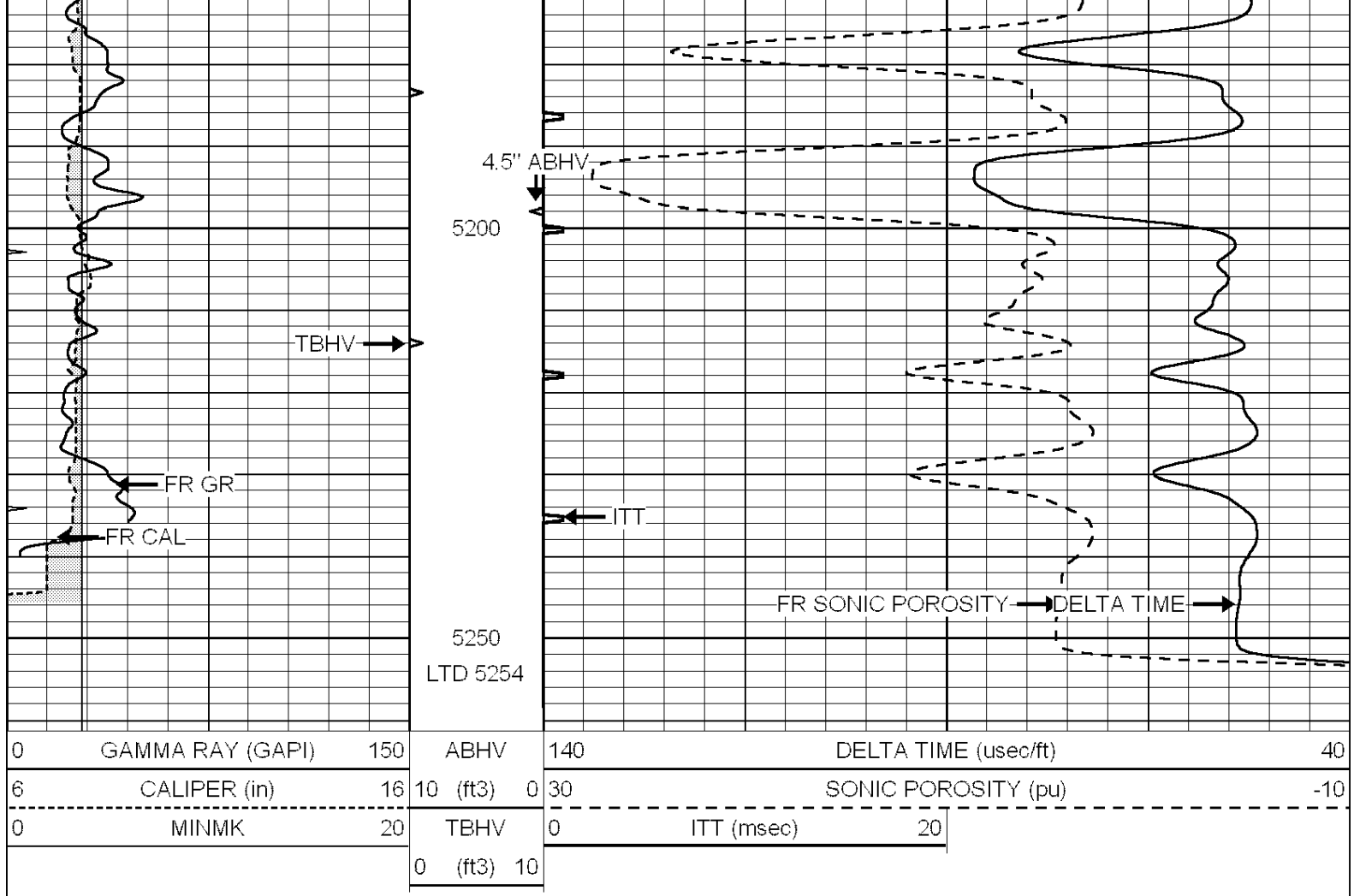
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5050

5100

5150



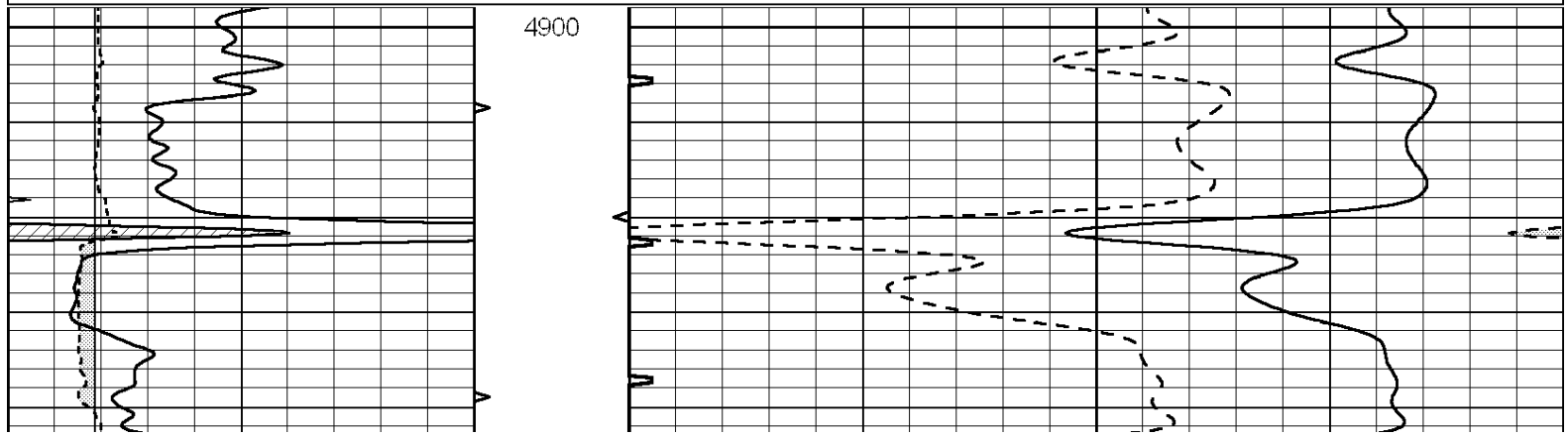


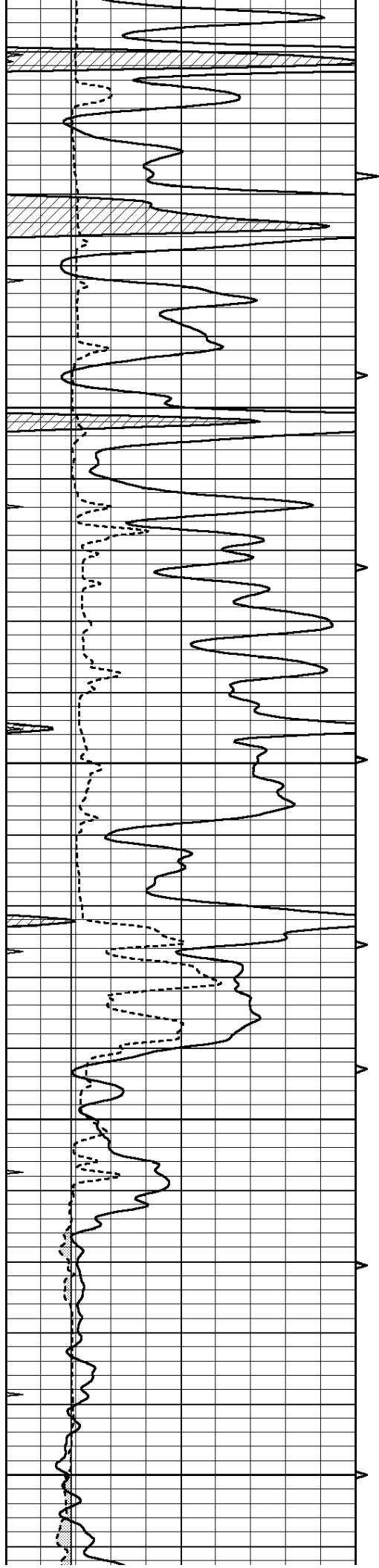
# **NABORS** COMPLETION & PRODUCTION SERVICES CO.

## REPEAT SECTION

Database File: 23800pe.db  
 Dataset Pathname: pass6.1  
 Presentation Format: slt  
 Dataset Creation: Mon Mar 31 10:39:45 2014 by Calc SOC 120430  
 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 |
| ----- |                  |     |          |     |                      |                     |    |     |
| 0     | MINMK            | 20  | TBHV     | 0   | ITT (msec)           |                     | 20 |     |
|       |                  |     | 0 (ft3)  | 10  |                      |                     |    |     |
|       |                  |     |          |     |                      |                     |    |     |





4950

5000

5050

5100

5150

