



## DUAL INDUCTION LOG

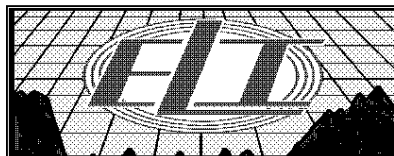
|                              |                                                                        |                     |      |
|------------------------------|------------------------------------------------------------------------|---------------------|------|
| Company                      | BLUERIDGE PETROLEUM CORP.                                              |                     |      |
| Well                         | ROMERO #1-4                                                            |                     |      |
| Field                        | GUNSMOKE                                                               |                     |      |
| County                       | FORD                                                                   |                     |      |
| State                        | KANSAS                                                                 |                     |      |
| Company                      | BLUERIDGE PETROLEUM CORPORATION                                        |                     |      |
| Well                         | ROMERO #1-4                                                            |                     |      |
| Field                        | GUNSMOKE                                                               |                     |      |
| County                       | FORD                                                                   |                     |      |
| State                        | KANSAS                                                                 |                     |      |
| Location:                    | API # : 15-057-20994-0000<br>591' FSL & 1872' FWL<br>NE - SW - SE - SW |                     |      |
| Permanent Datum              | GROUND LEVEL                                                           | Elevation           | 2462 |
| Log Measured From            | KELLY BUSHING 8' A.G.L.                                                |                     |      |
| Drilling Measured From       | KELLY BUSHING                                                          |                     |      |
| SEC 4                        | TWP 27S                                                                | RGE 24W             |      |
| Date                         | 3/7/18                                                                 |                     |      |
| Run Number                   | ONE                                                                    |                     |      |
| Depth Driller                | 5050                                                                   |                     |      |
| Depth Logger                 | 5051                                                                   |                     |      |
| Bottom Logged Interval       | 5049                                                                   |                     |      |
| Top Log Interval             | 00                                                                     |                     |      |
| Casing Driller               | 8 5/8"@432'                                                            | 13 3/8"@97'         |      |
| Casing Logger                | 432                                                                    |                     |      |
| Bit Size                     | 7 7/8"                                                                 |                     |      |
| Type Fluid in Hole           | CHEMICAL MUD                                                           | CHLORIDES 3,800 PPM |      |
| Density / Viscosity          | 9.3/54                                                                 |                     |      |
| pH / Fluid Loss              | 10.5/7.6                                                               |                     |      |
| Source of Sample             | FLOWLINE                                                               |                     |      |
| Rim @ Meas. Temp             | .700@75F                                                               |                     |      |
| Rmf @ Meas. Temp             | .525@75F                                                               |                     |      |
| Rmc @ Meas. Temp             | .840@75F                                                               |                     |      |
| Source of Rmf / Rmc          | MEASUREMENT                                                            |                     |      |
| Rim @ BHT                    | .420@125F                                                              |                     |      |
| Time Circulation Stopped     | 3 HOURS                                                                |                     |      |
| Time Logger on Bottom        | 1:00 P.M.                                                              |                     |      |
| Maximum Recorded Temperature | 125F                                                                   |                     |      |
| Equipment Number             | 922339                                                                 |                     |      |
| Location                     | HAYS, KANSAS                                                           |                     |      |
| Recorded By                  | JEFF LUEBBERS                                                          |                     |      |
| Witnessed By                 | WYATT URBAN                                                            |                     |      |

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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 ELI WIRELINE HAYS, KANSAS (785) 628-6395  
DIRECTIONS  
DODGE CITY, KS.(HWY 400 & 56 BYPASS) S. ACROSS RIVER BRIDGE PAST "LOVES TRUCK STOP" TO  
" "LARIAT WAY RD.", W. TO "N. MAIN ST.", N. INTO THEN W. THROUGH GATE



# MAIN SECTION

Database File: 2345pe.db  
Dataset Pathname: pass3.7  
Presentation Format: dil2  
Dataset Creation: Wed Mar 07 14:29:11 2018  
Charted by: Depth in Feet scaled 1:600

|      |                  |     |
|------|------------------|-----|
| 0    | Gamma Ray (GAPI) | 150 |
| -100 | SP (mV)          | 100 |
| 0    | RWA (Ohm-m)      | 1   |

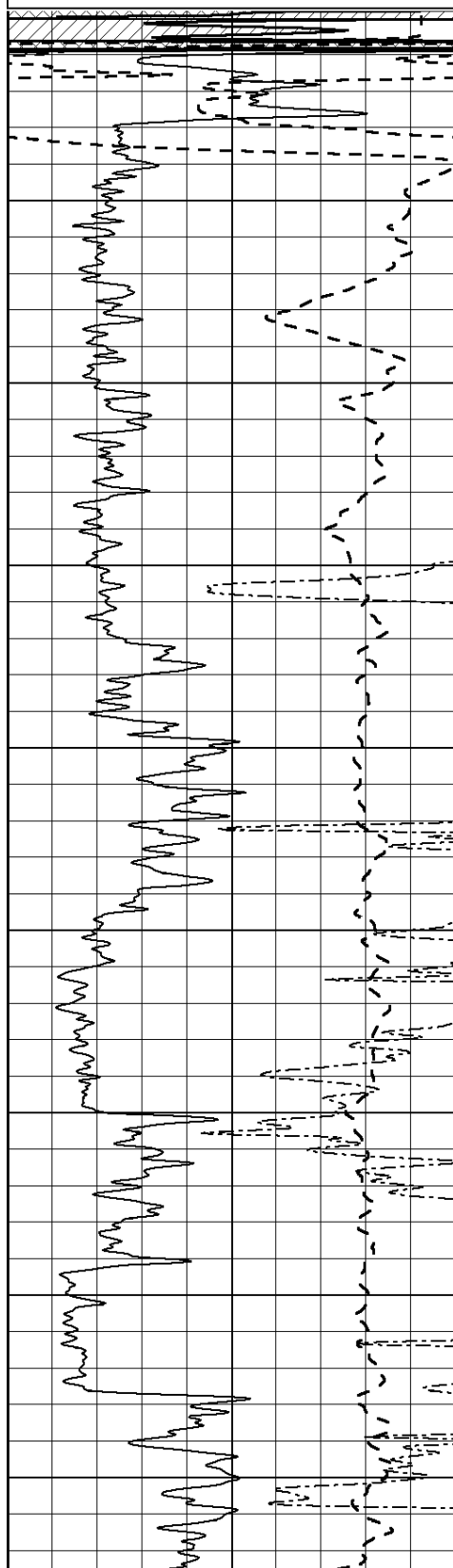
|   |              |    |
|---|--------------|----|
| 0 | RLL3 (Ohm-m) | 50 |
|---|--------------|----|

|   |              |    |
|---|--------------|----|
| 0 | RILD (Ohm-m) | 50 |
|---|--------------|----|

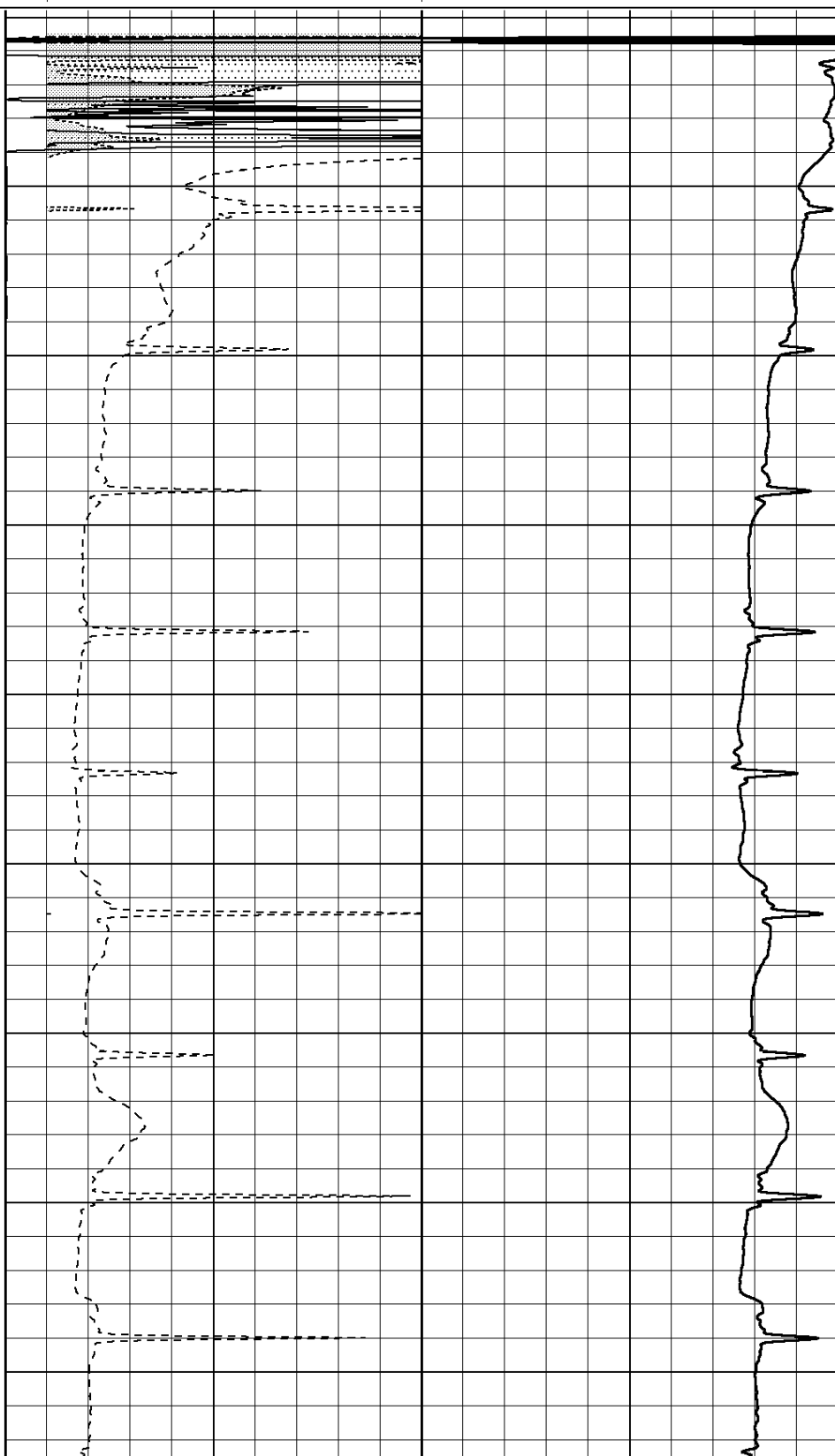
|      |               |   |
|------|---------------|---|
| 1000 | CILD (mmho/m) | 0 |
|------|---------------|---|

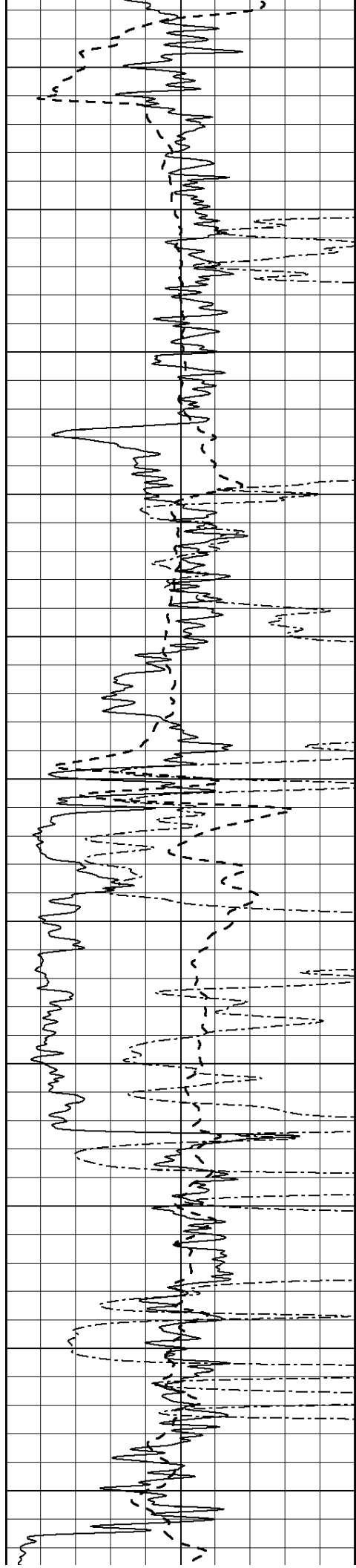
|    |                  |     |
|----|------------------|-----|
| 50 | RILD X10 (Ohm-m) | 500 |
|----|------------------|-----|

|    |                  |     |
|----|------------------|-----|
| 50 | RLL3 X10 (Ohm-m) | 500 |
|----|------------------|-----|



0  
50  
100  
150  
200  
250  
300  
350  
400





450

500

550

600

650

700

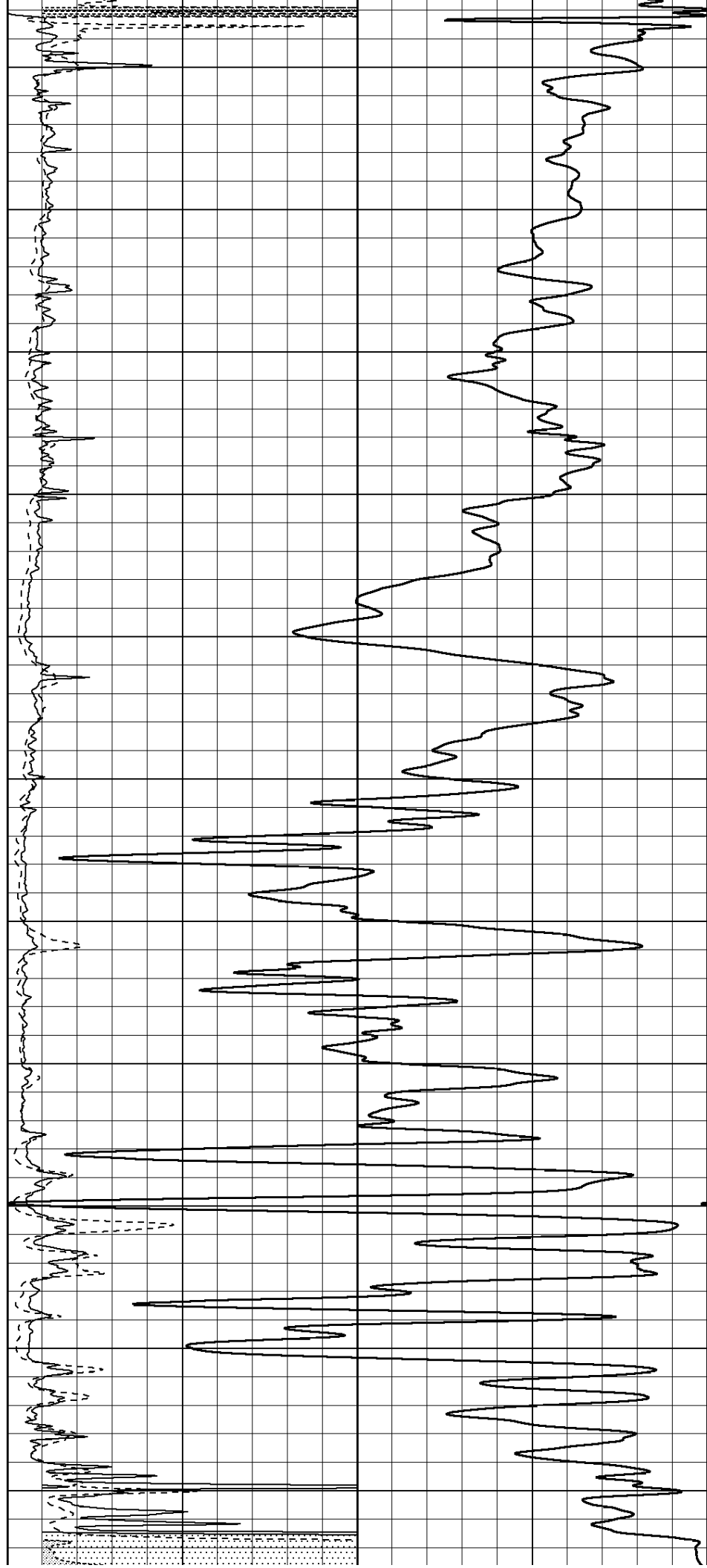
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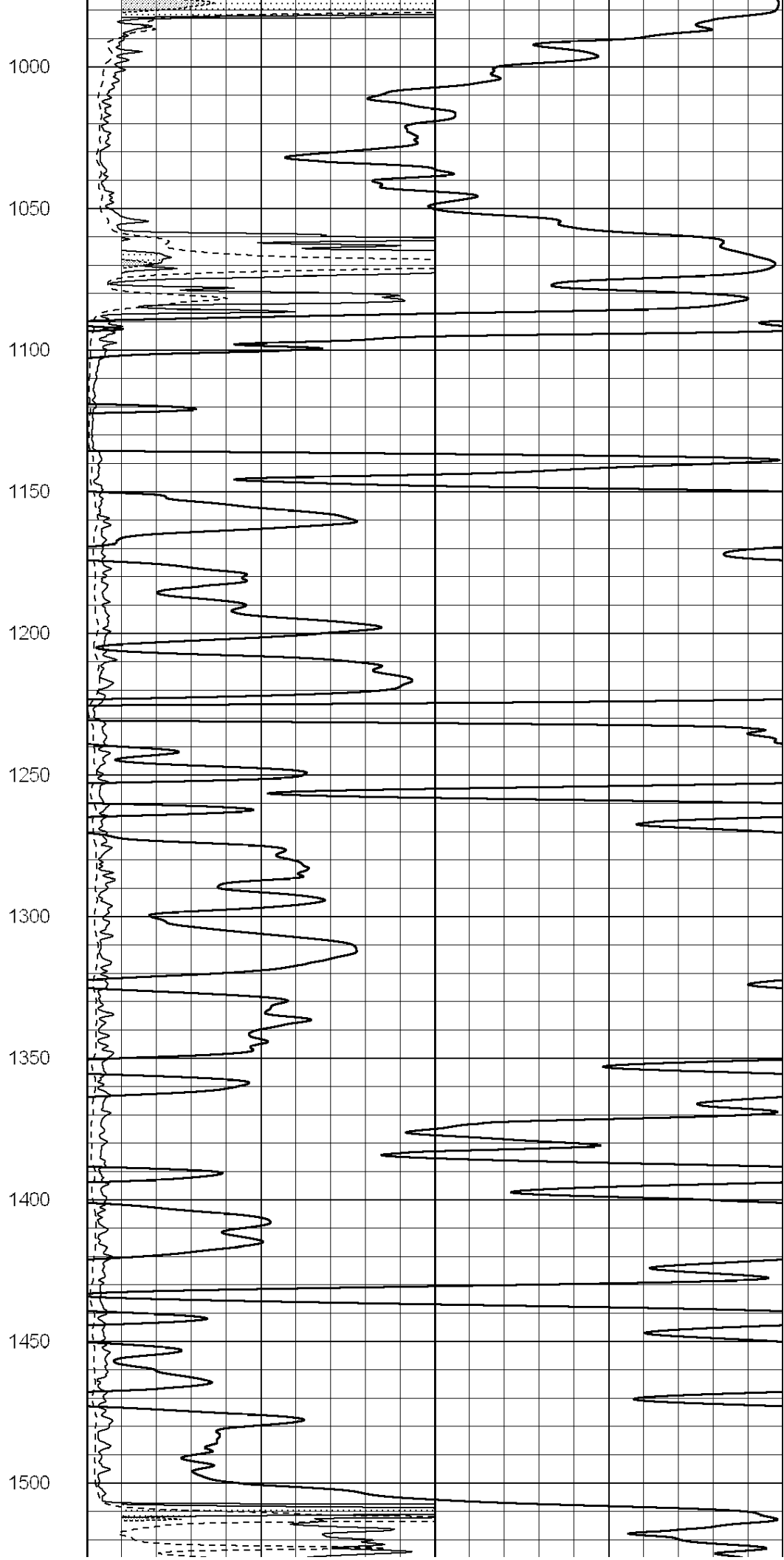
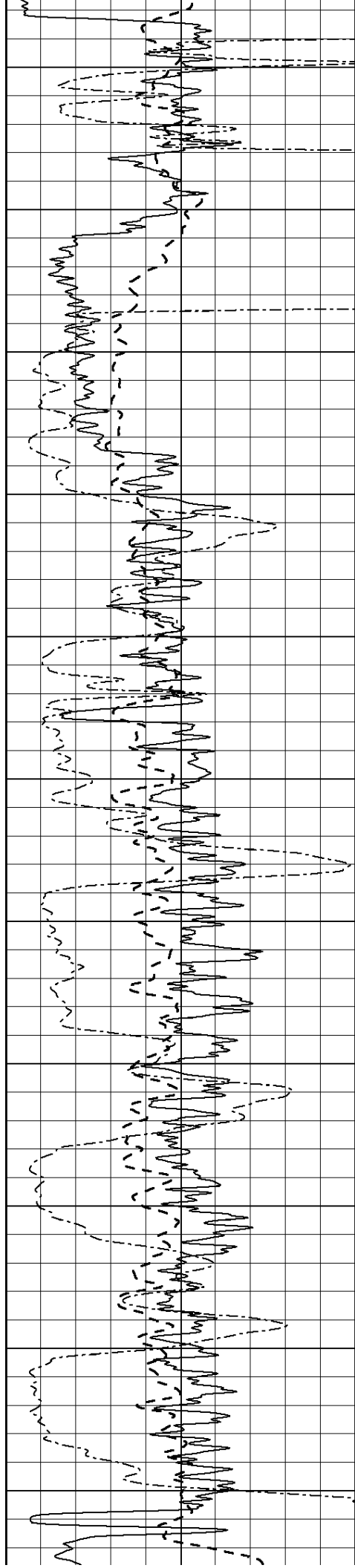
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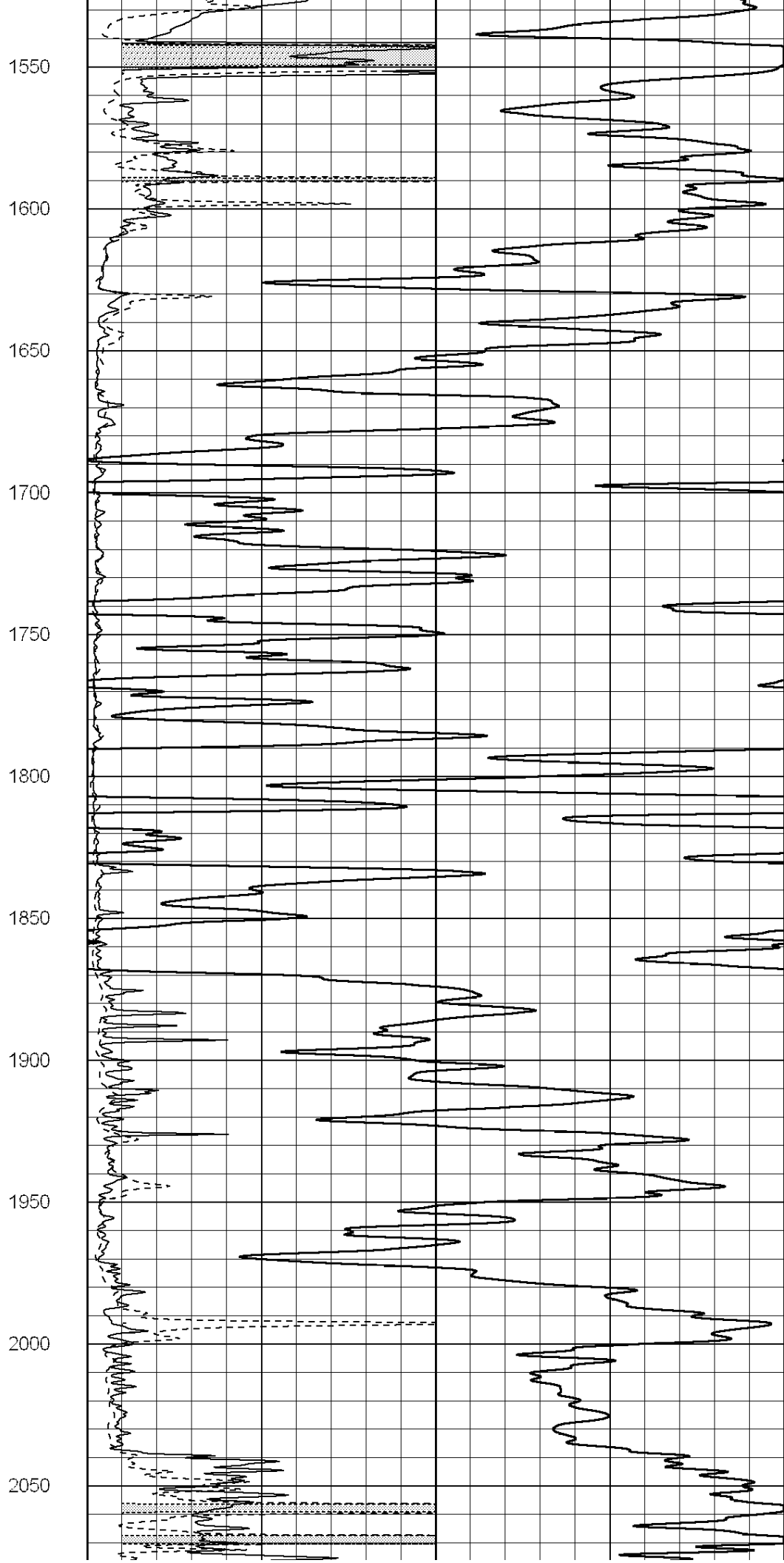
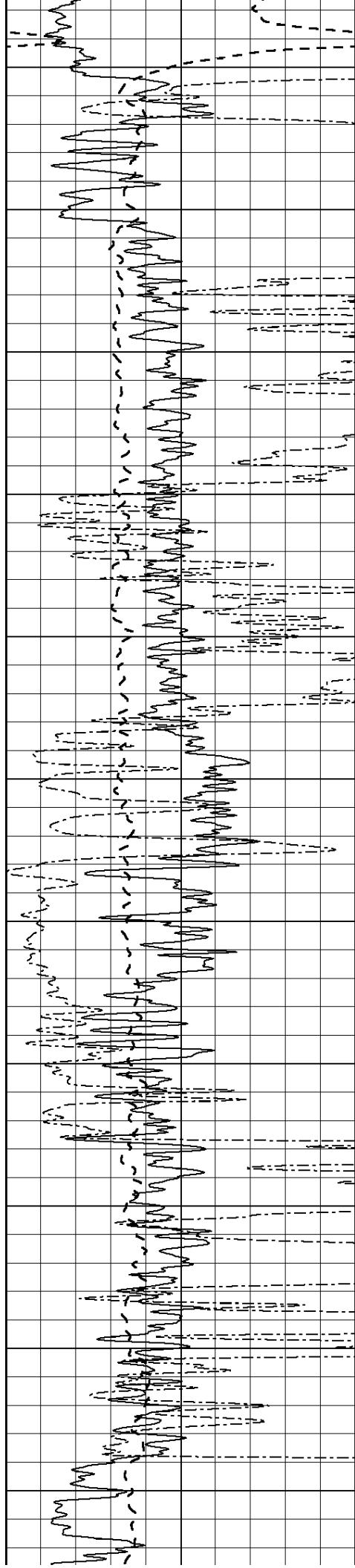
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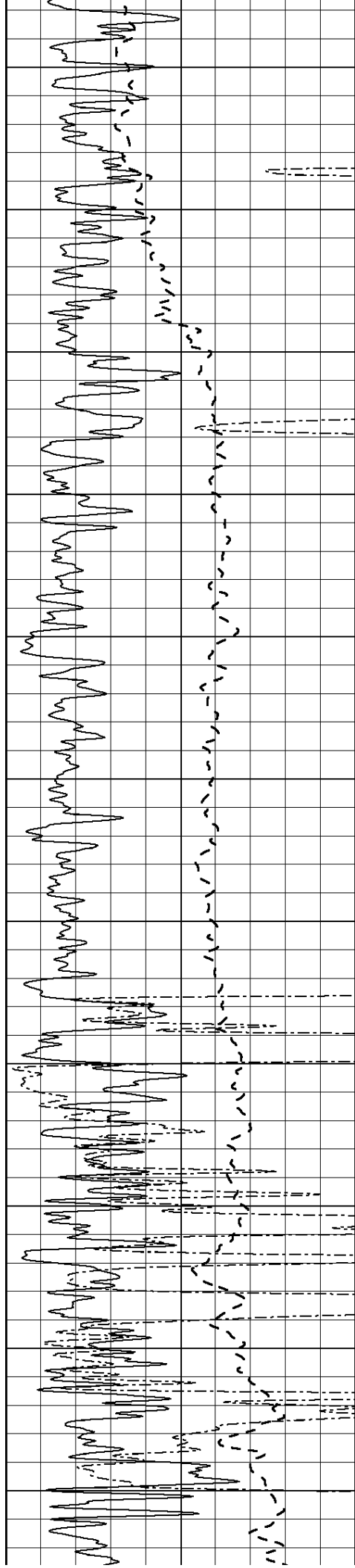
900

950









2100

2150

2200

2250

2300

2350

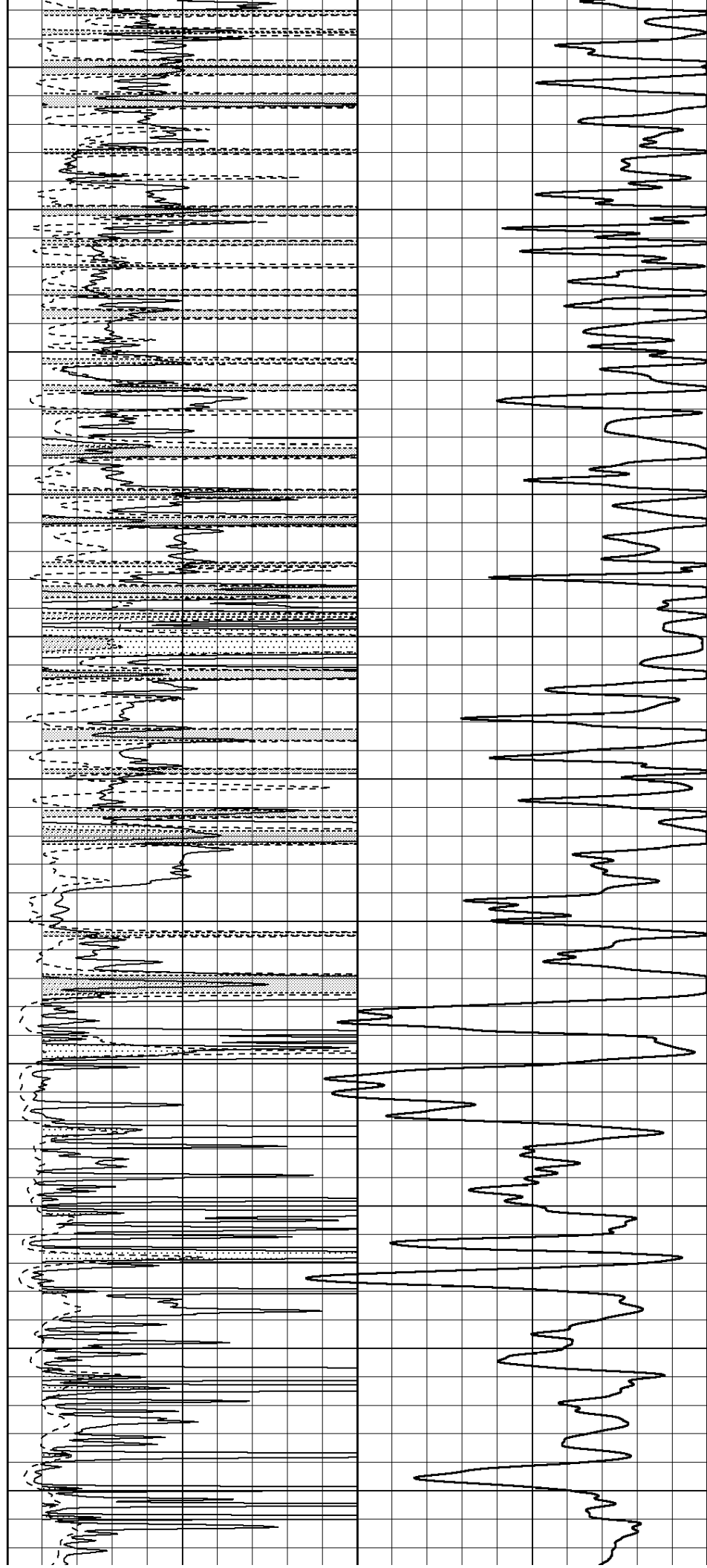
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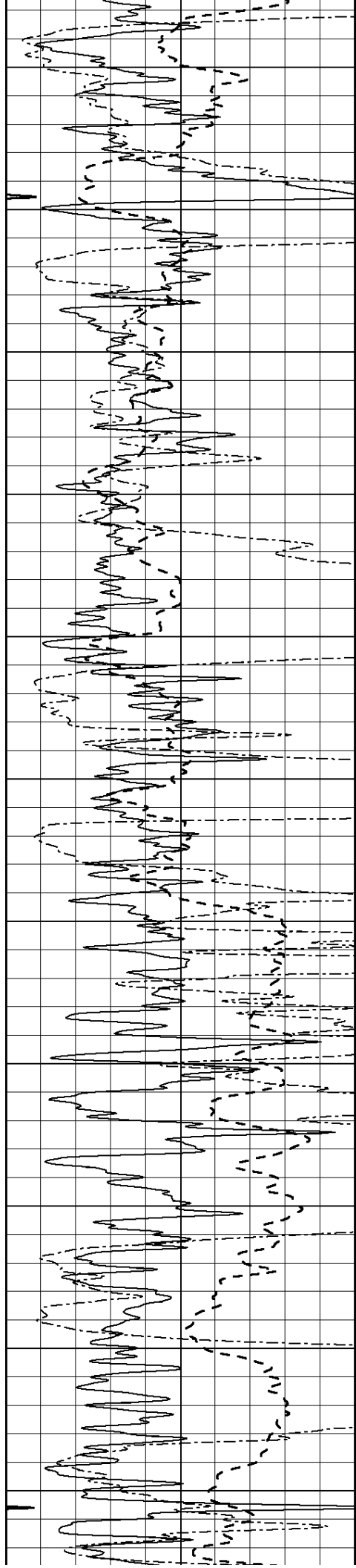
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2500

2550

2600





2650

2700

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2800

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2900

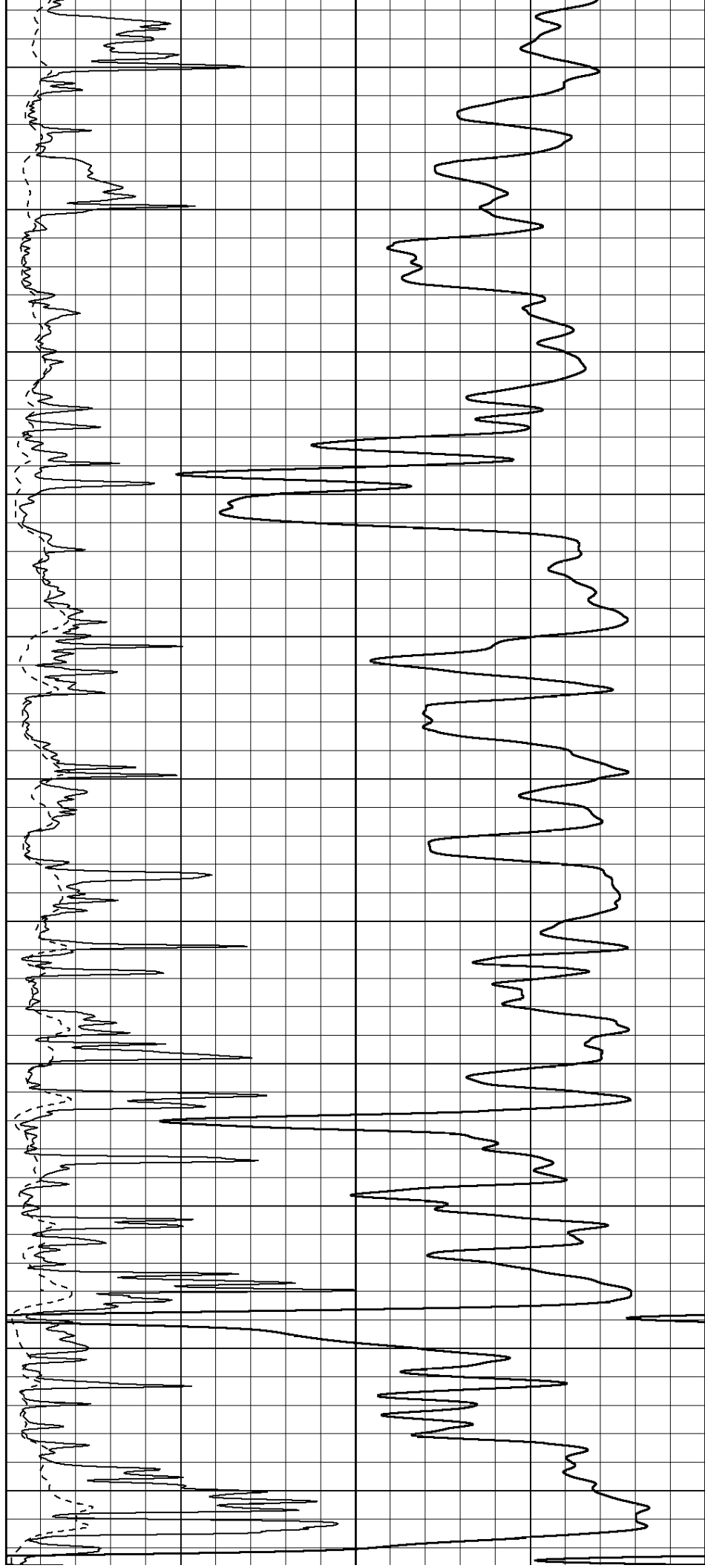
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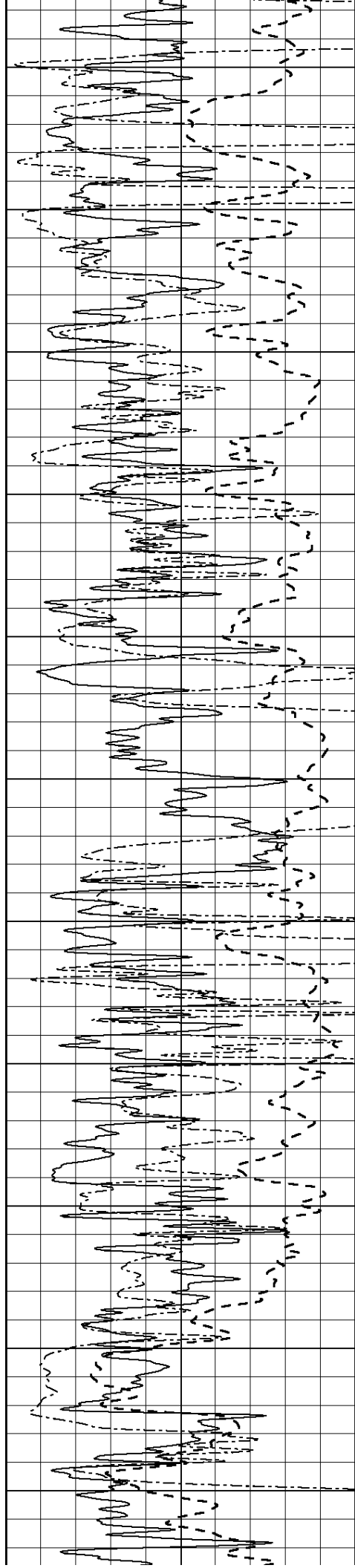
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3050

3100

3150





3200

3250

3300

3350

3400

3450

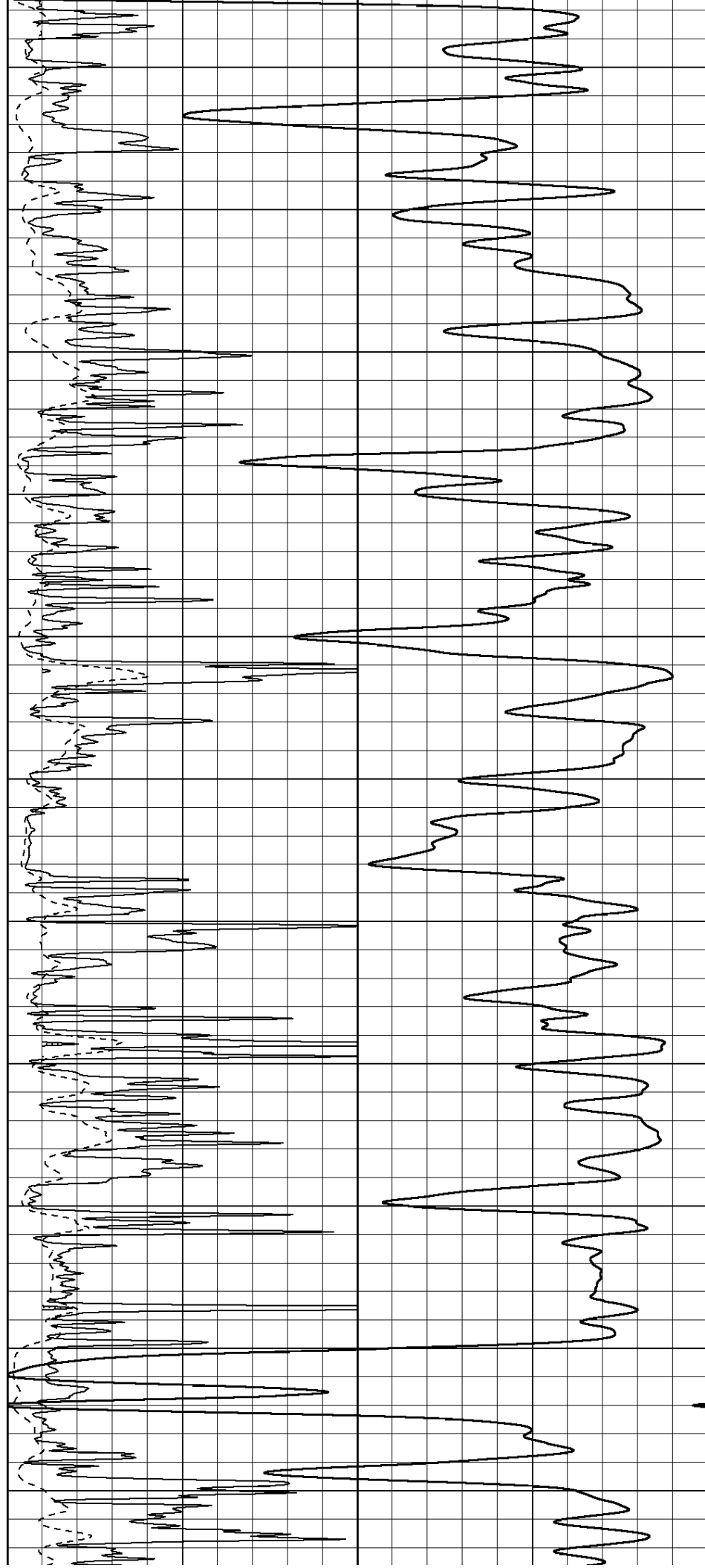
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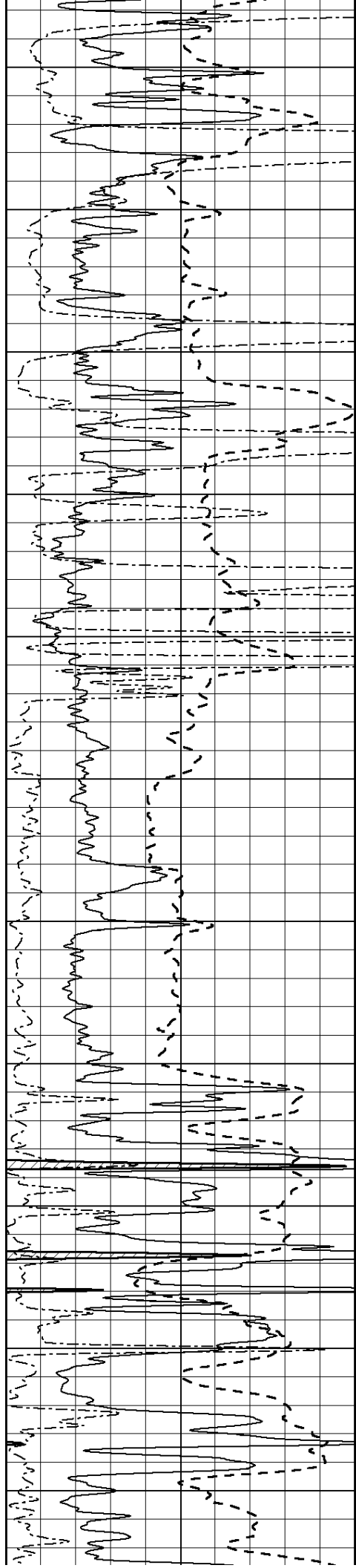
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3600

3650

3700





3750

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4000

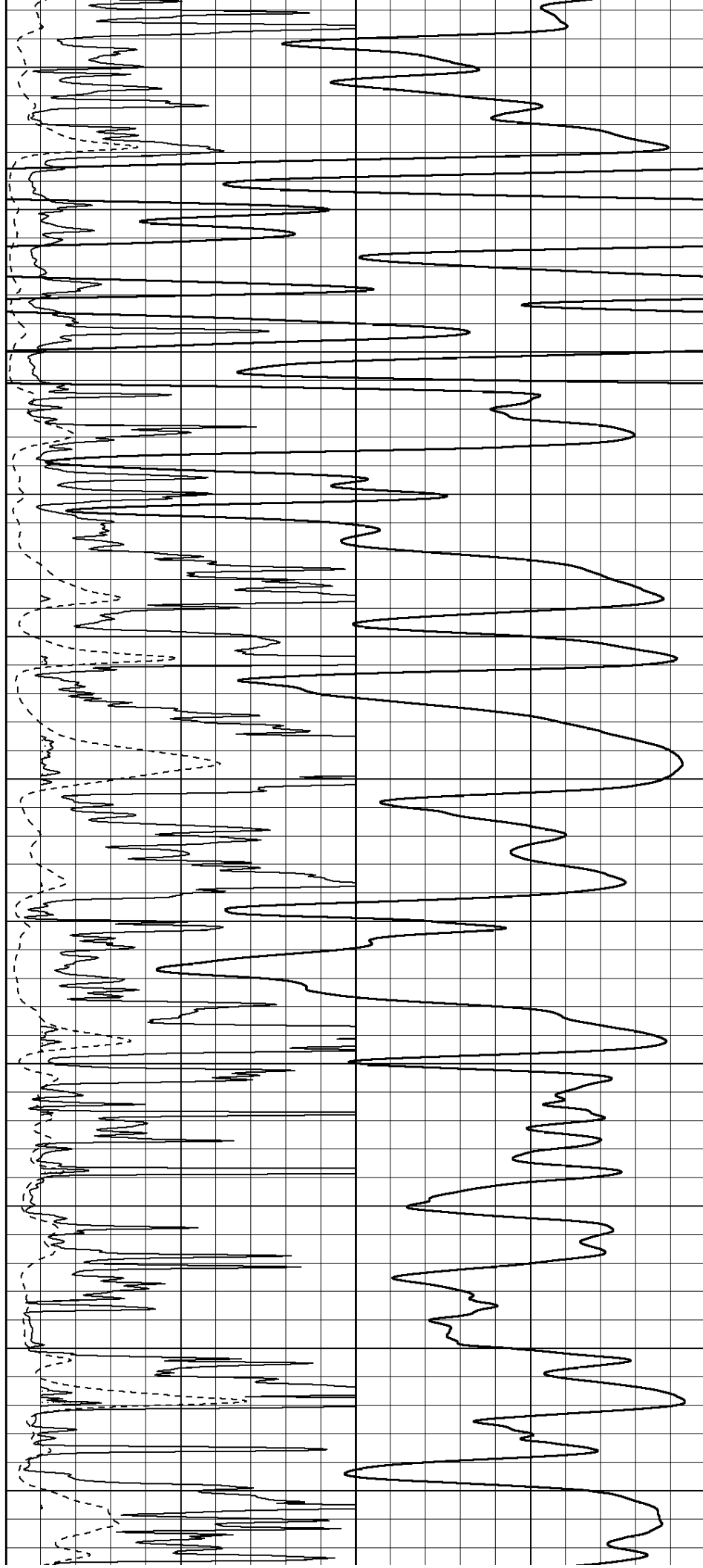
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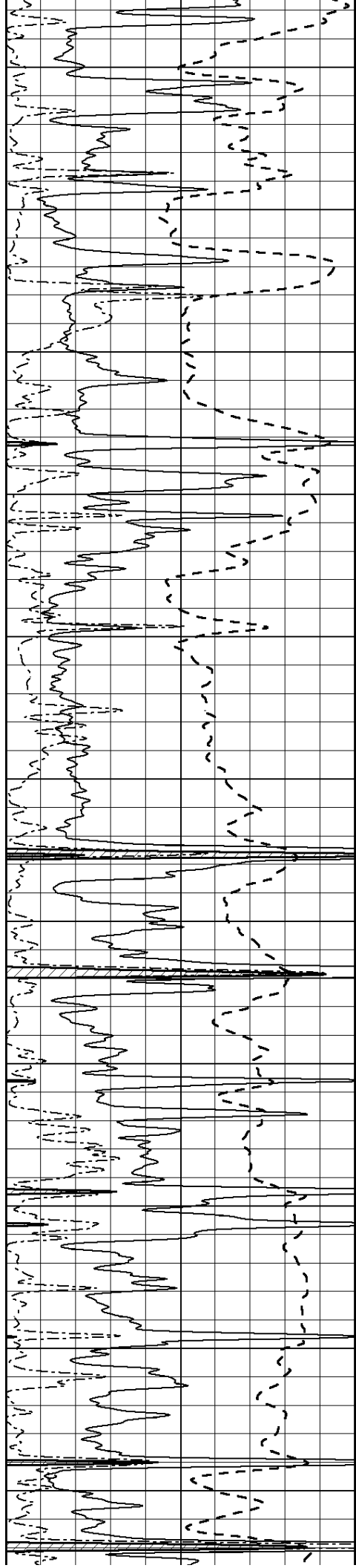
4100

4150

4200

4250





4300

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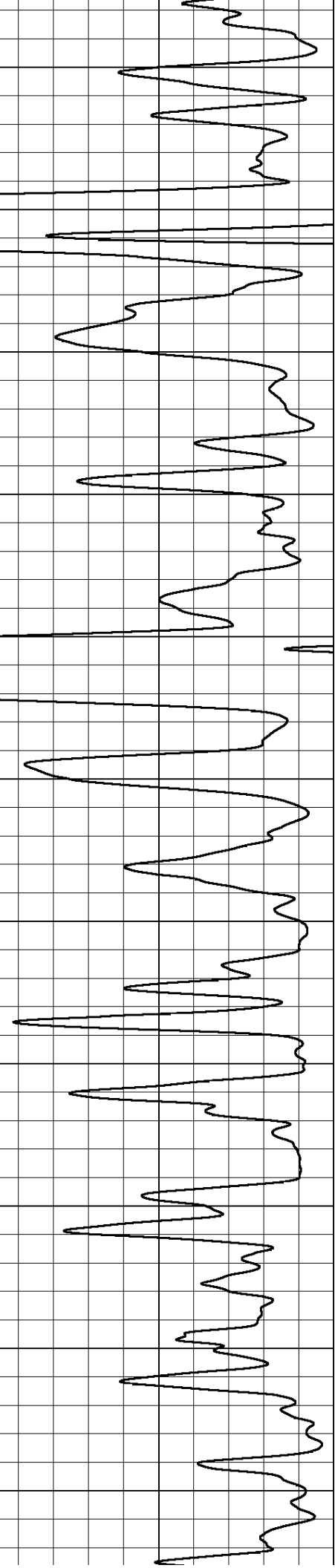
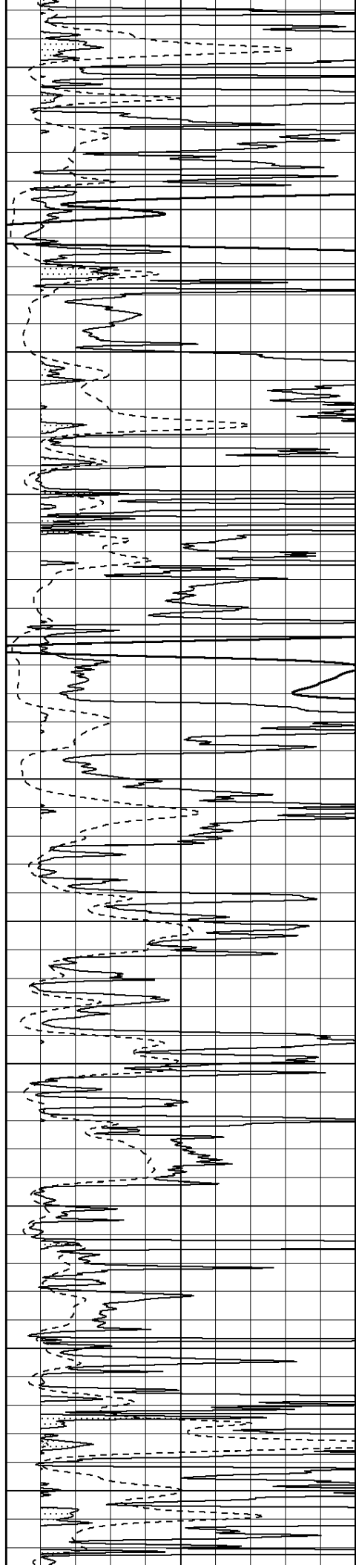
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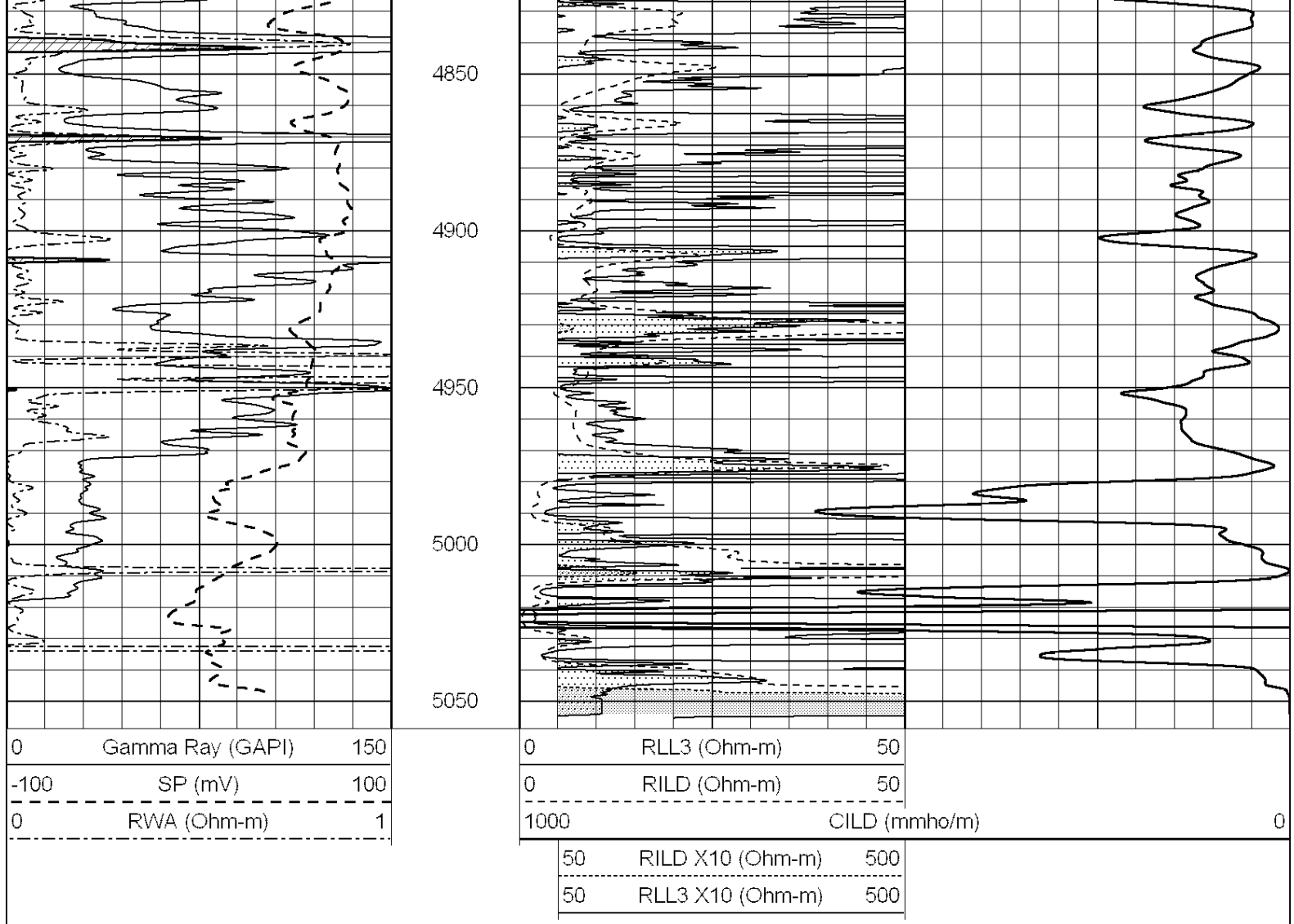
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4700

4750

4800

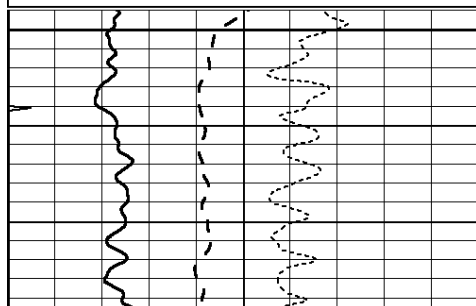




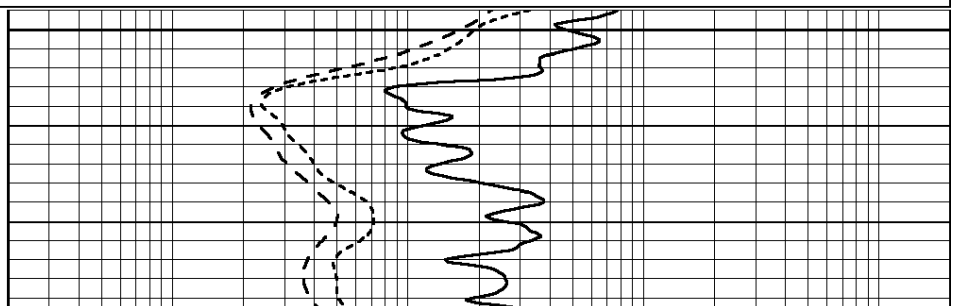
# MAIN SECTION

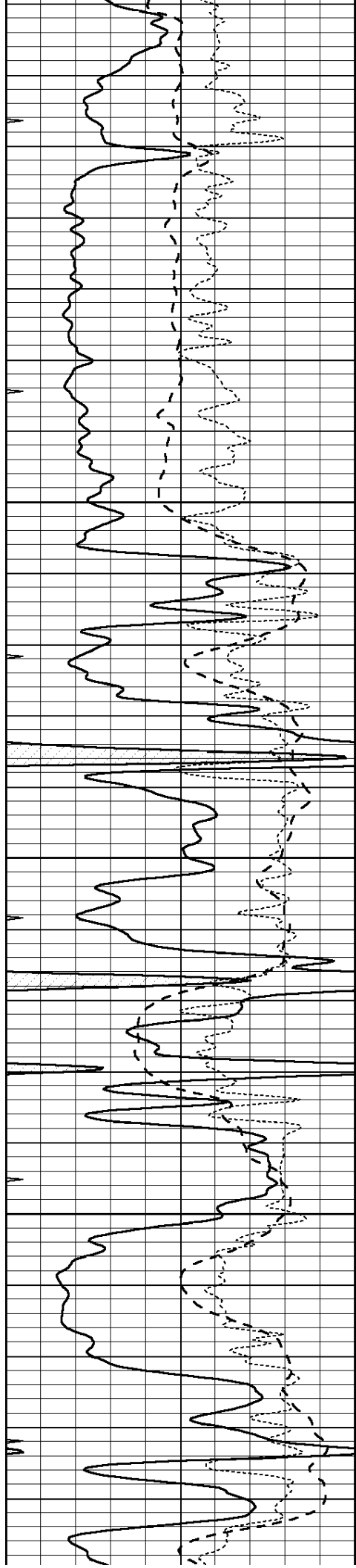
Database File: 2345pe.db  
 Dataset Pathname: pass3.7  
 Presentation Format: \_dil  
 Dataset Creation: Wed Mar 07 14:29:11 2018  
 Charted by: Depth in Feet scaled 1:240

|      |                  |     |     |                          |      |
|------|------------------|-----|-----|--------------------------|------|
| 0    | GAMMA RAY (GAPI) | 150 | 0.2 | SHALLOW GUARD (Ohm-m)    | 2000 |
| -100 | SP (mV)          | 100 | 0.2 | DEEP INDUCTION (Ohm-m)   | 2000 |
| -250 | Rxo/Rt           | 50  | 0.2 | MEDIUM INDUCTION (Ohm-m) | 2000 |
| 0    | MINMK            | 20  |     |                          |      |



4000





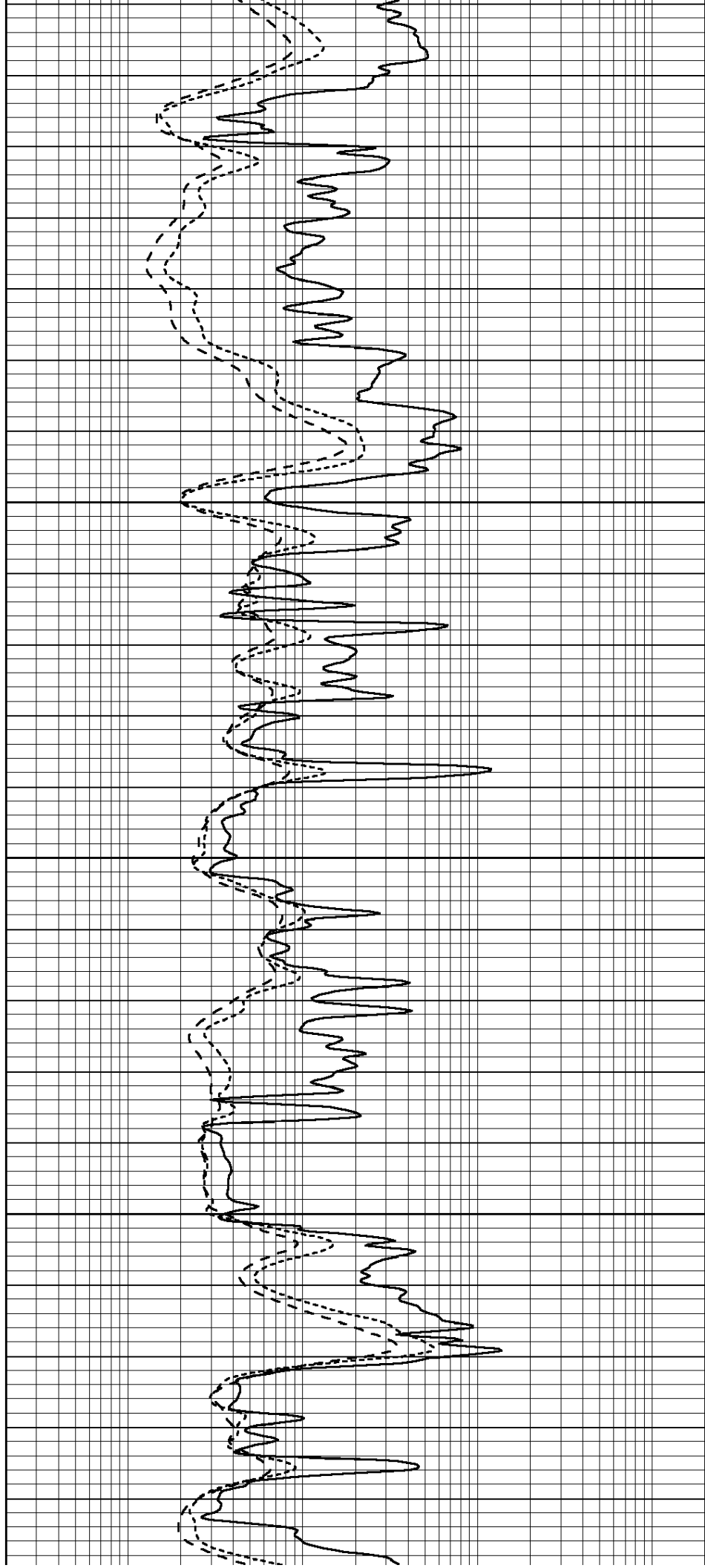
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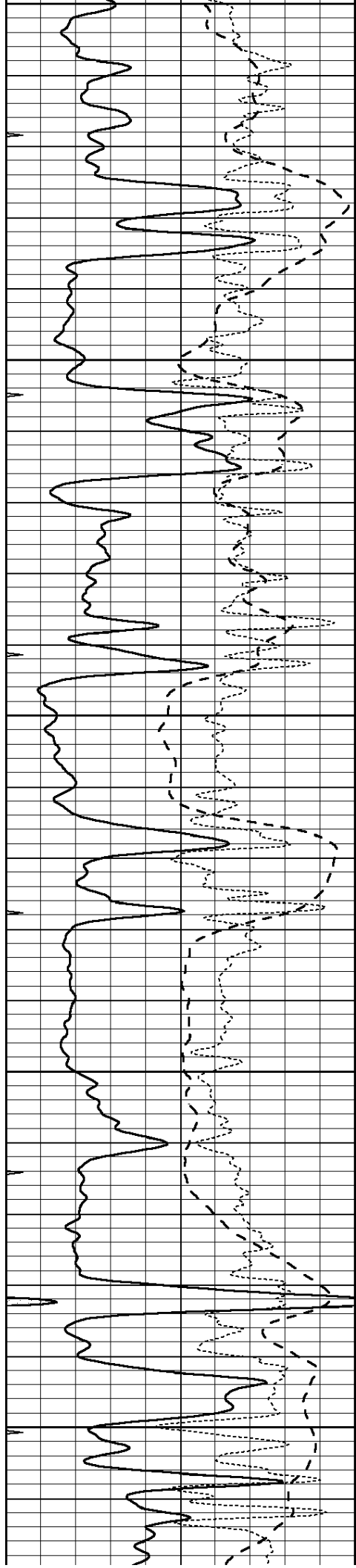
4100

4150

4200

4250





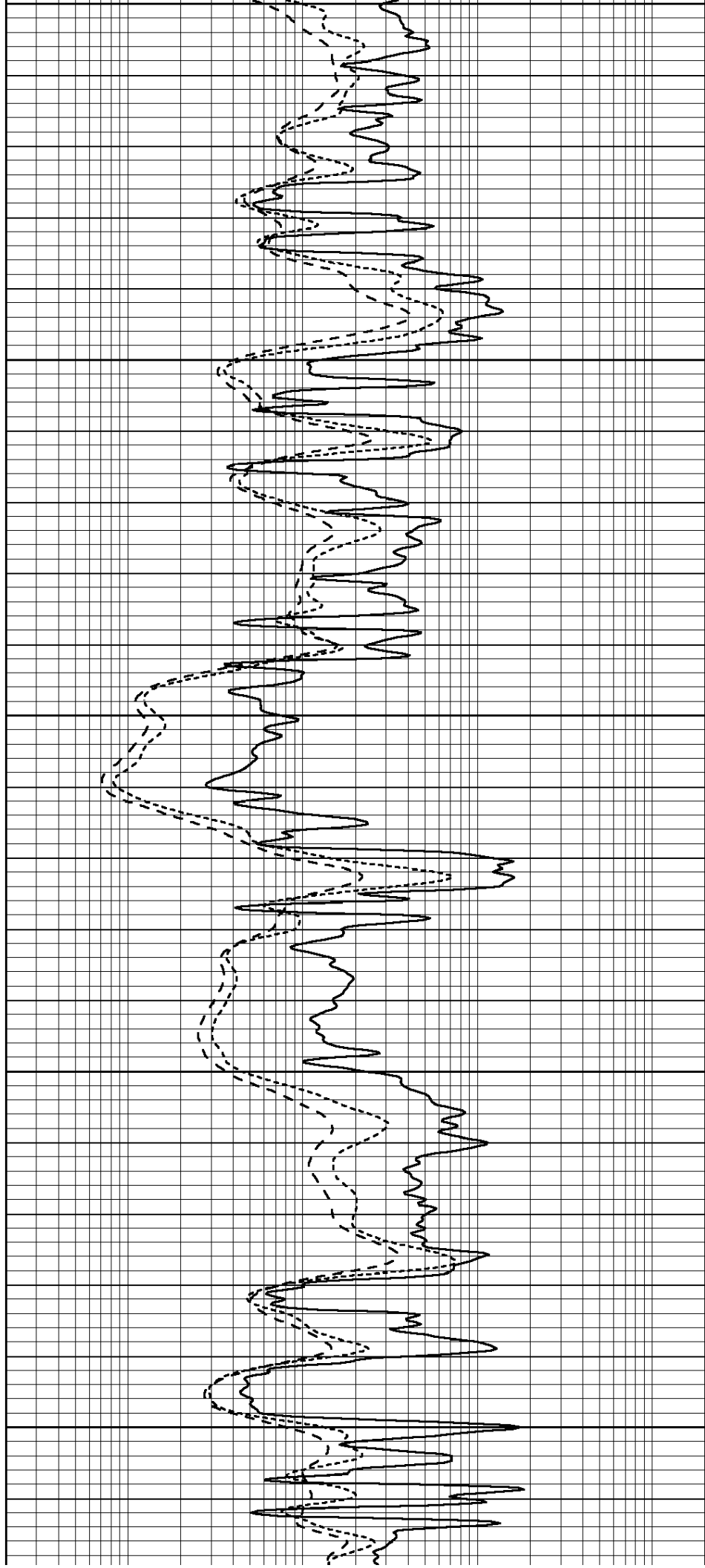
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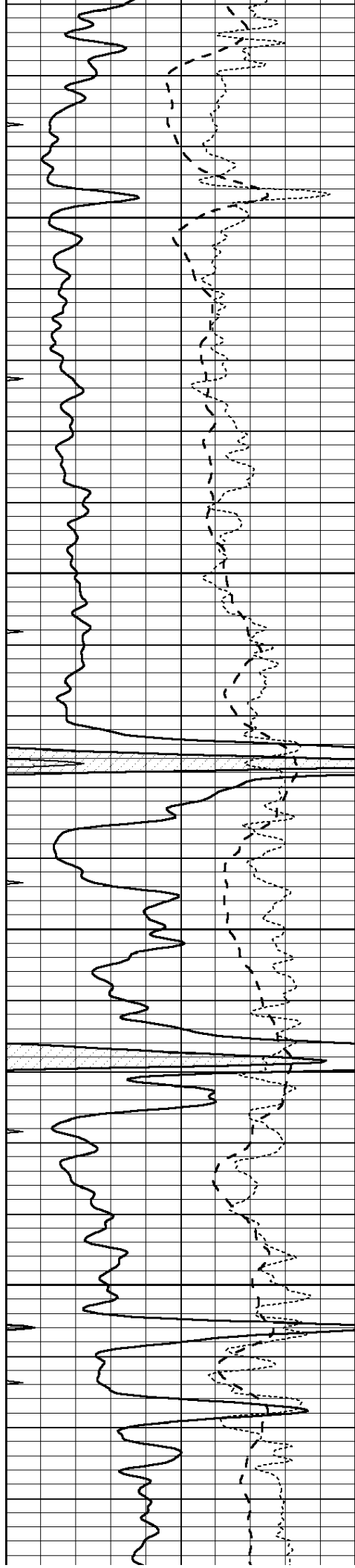
4300

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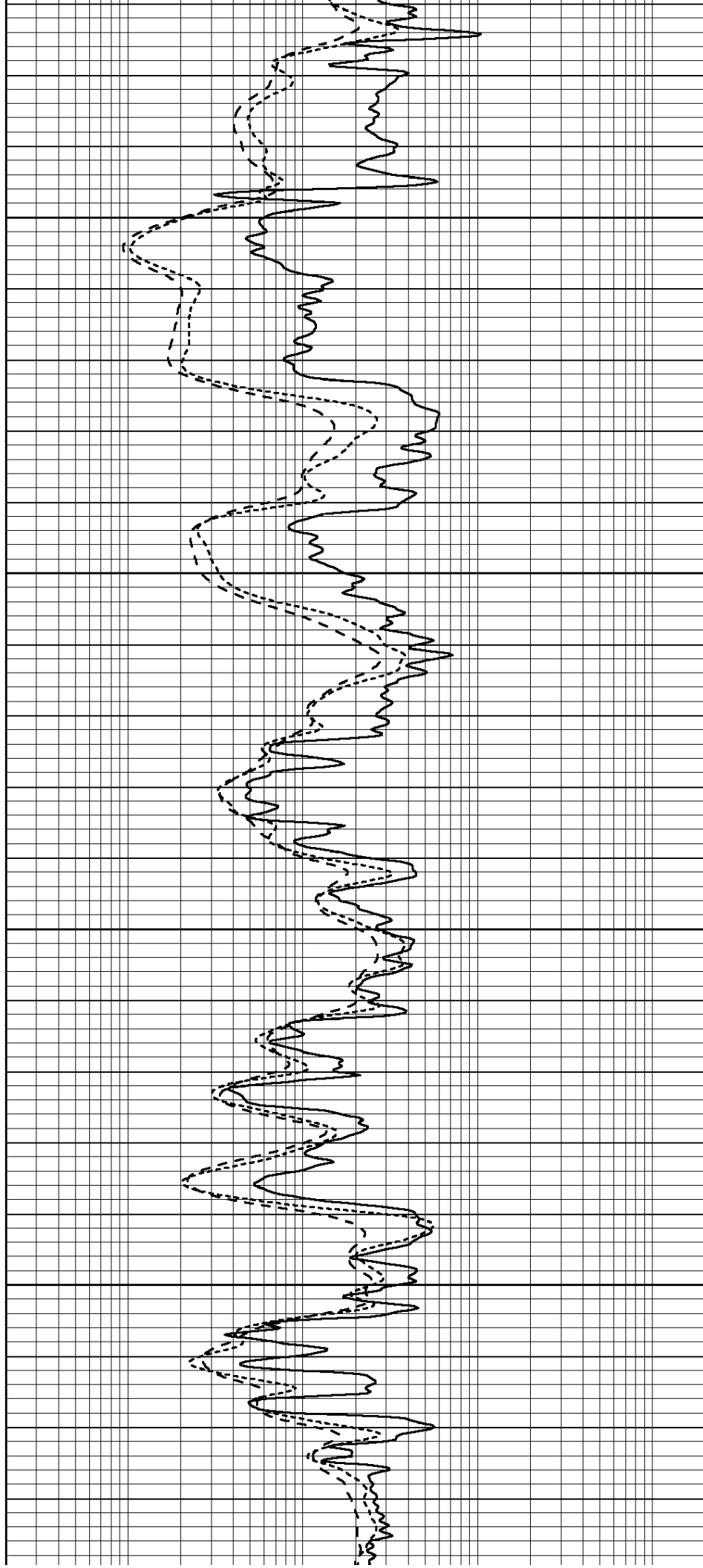


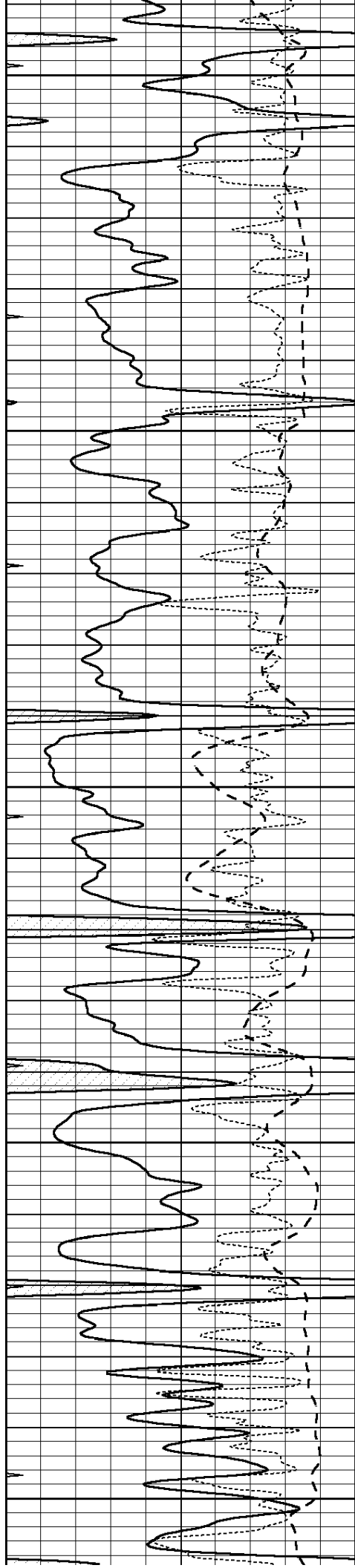
4500

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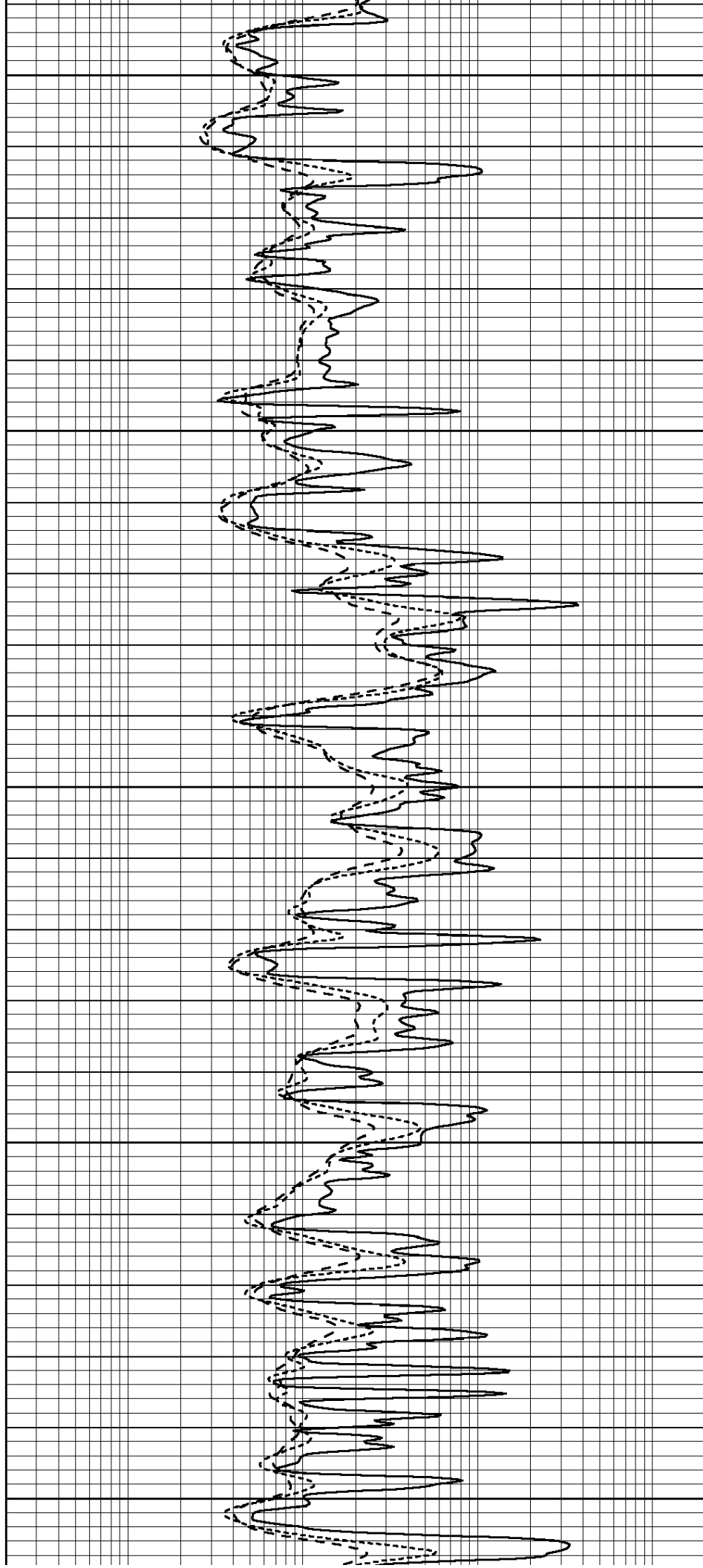
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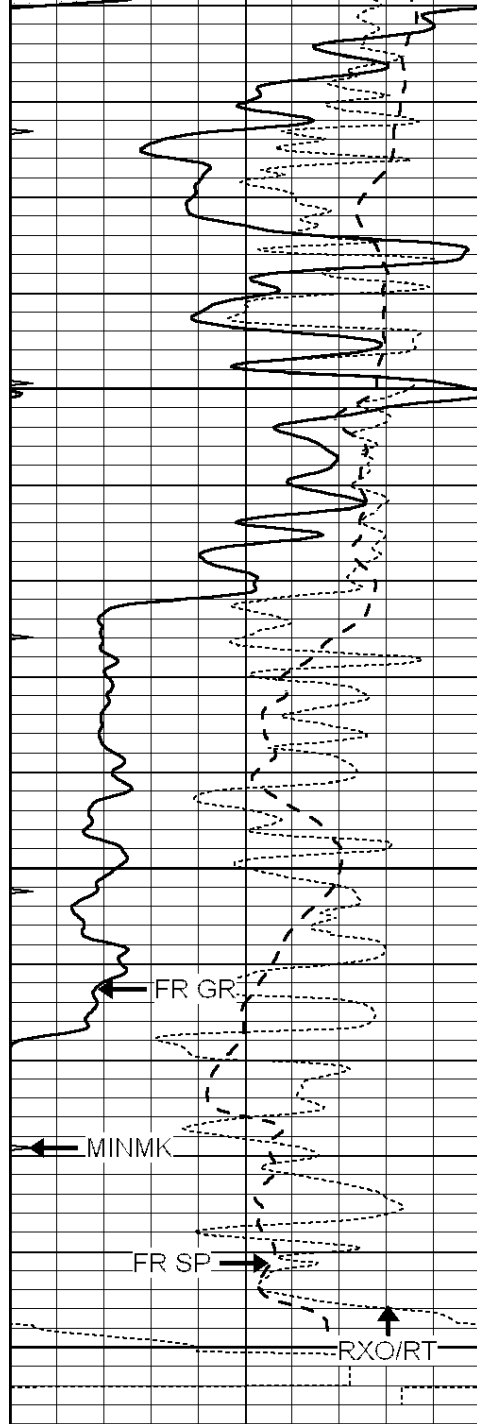
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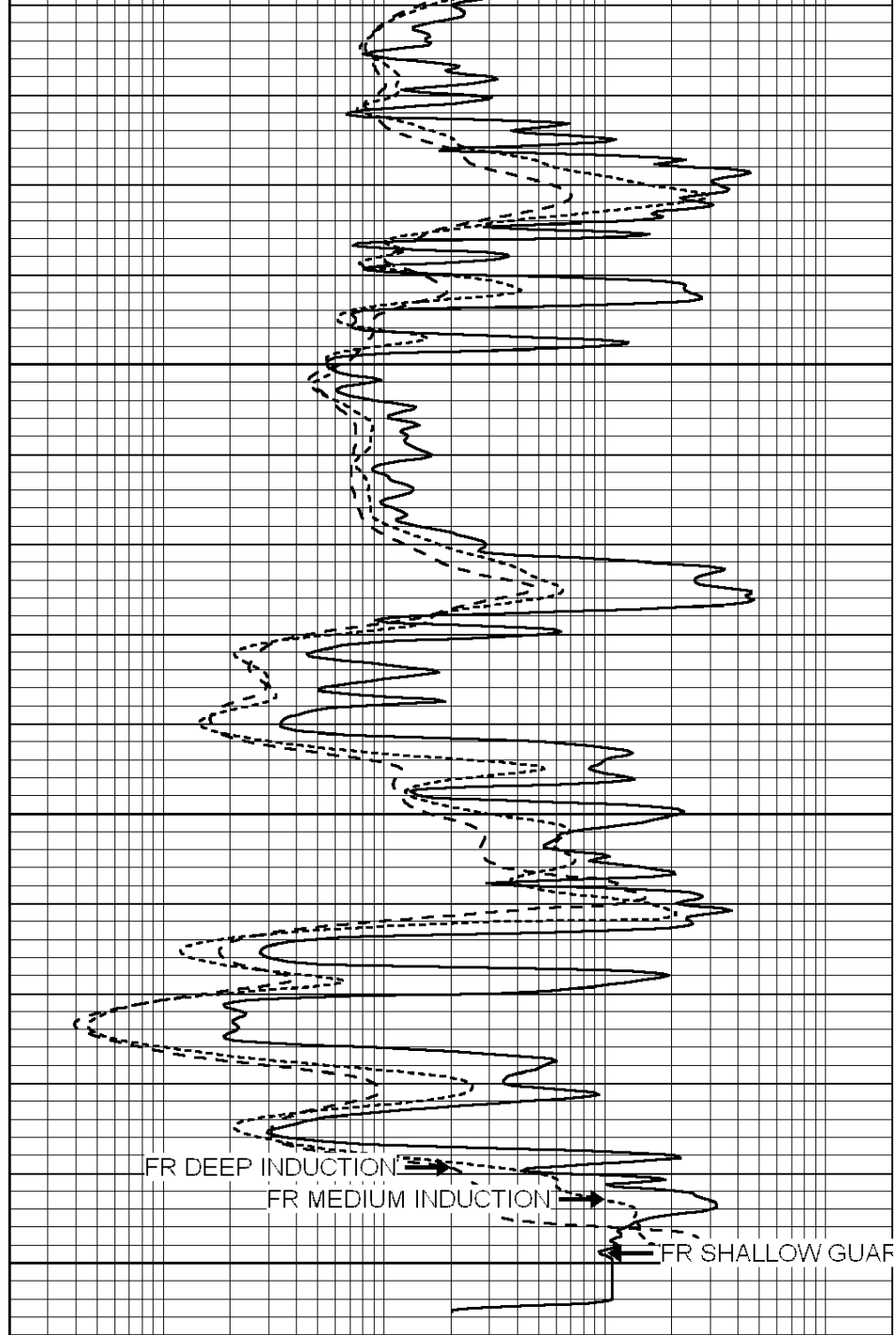


|      |                  |     |
|------|------------------|-----|
| 0    | GAMMA RAY (GAPI) | 150 |
| -100 | SP (mV)          | 100 |
| -250 | Rxo/Rt           | 50  |
| 0    | MINMK            | 20  |

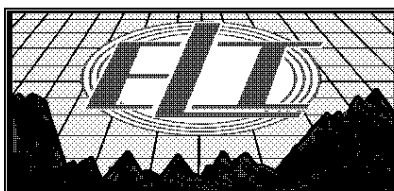
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5000

5050



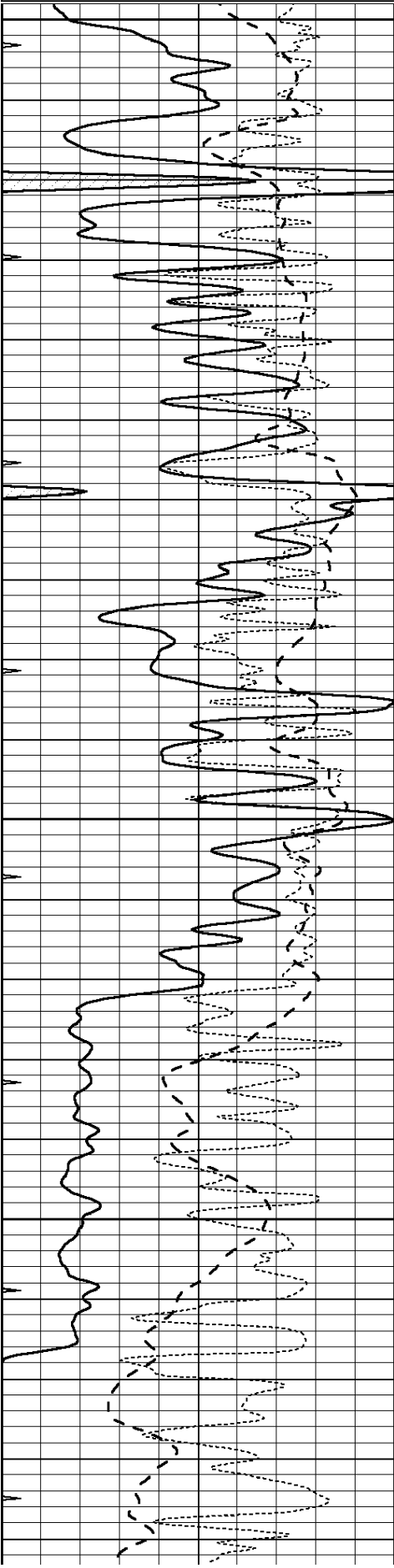
|     |                          |      |
|-----|--------------------------|------|
| 0.2 | SHALLOW GUARD (Ohm-m)    | 2000 |
| 0.2 | DEEP INDUCTION (Ohm-m)   | 2000 |
| 0.2 | MEDIUM INDUCTION (Ohm-m) | 2000 |



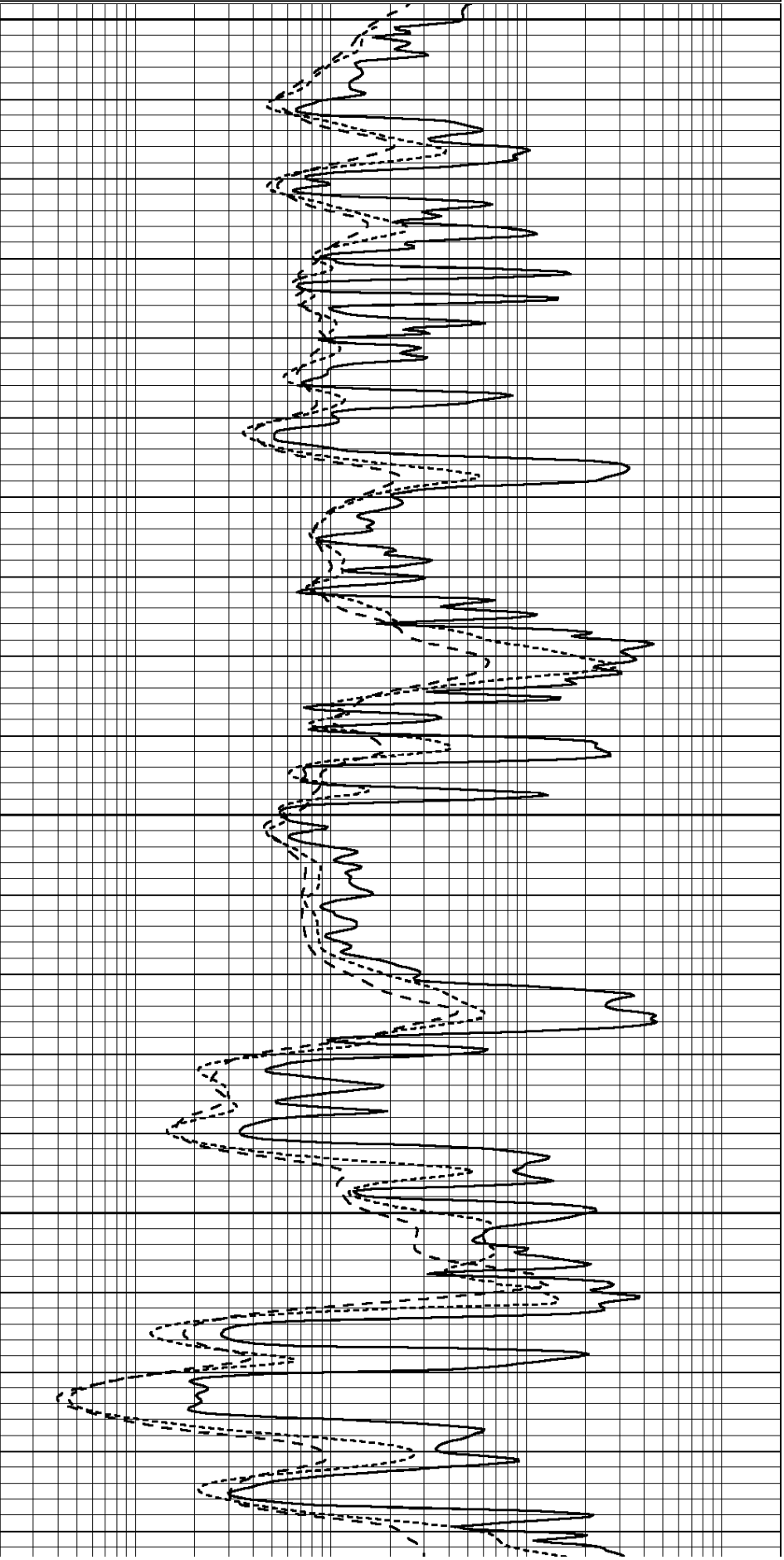
# REPEAT SECTION

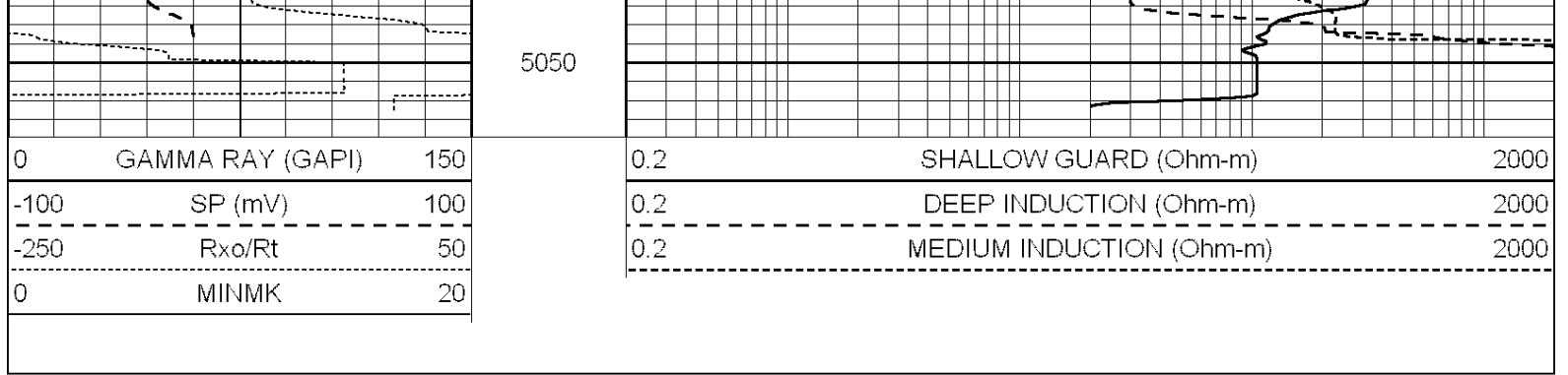
Database File: 2345pe.db  
 Dataset Pathname: pass2.6  
 Presentation Format: \_dil  
 Dataset Creation: Wed Mar 07 13:33:23 2018  
 Charted by: Depth in Feet scaled 1:240

|      |                  |     |
|------|------------------|-----|
| 0    | GAMMA RAY (GAPI) | 150 |
| -100 | SP (mV)          | 100 |
| -250 | Rxo/Rt           | 50  |
| 0    | MINMK            | 20  |



|     |                          |      |
|-----|--------------------------|------|
| 0.2 | SHALLOW GUARD (Ohm-m)    | 2000 |
| 0.2 | DEEP INDUCTION (Ohm-m)   | 2000 |
| 0.2 | MEDIUM INDUCTION (Ohm-m) | 2000 |





Calibration Report

Database File: 1598ddn.db  
Dataset Pathname: pass4  
Dataset Creation: Wed Aug 30 02:13:00 2017 by Log SOC 120430

Dual Induction Calibration Report

Serial-Model: PROBE7-DILG  
Surface Cal Performed: Wed Aug 30 00:06:33 2017  
Downhole Cal Performed: Mon Jul 28 12:02:56 2008  
After Survey Verification Performed: Mon Jul 28 12:02:56 2008

| Surface Calibration |        |       |            |       |         |        |         |         |
|---------------------|--------|-------|------------|-------|---------|--------|---------|---------|
| Readings            |        |       | References |       |         |        | Results |         |
| Loop:               | Air    | Loop  |            | Air   | Loop    |        | m       | b       |
| Deep                | -0.014 | 0.629 | V          | 0.000 | 400.000 | mmho/m | 620.000 | 0.000   |
| Medium              | 0.039  | 0.728 | V          | 0.000 | 464.000 | mmho/m | 675.000 | -44.000 |
| Internal:           | Zero   | Cal   |            | Zero  | Cal     |        | m       | b       |
| Deep                | 0.011  | 0.610 | V          | 0.000 | 400.000 | mmho/m | 667.135 | -7.256  |
| Medium              | 0.005  | 0.712 | V          | 0.000 | 464.000 | mmho/m | 655.677 | -3.102  |

| Downhole Calibration |       |        |            |         |          |        |         |       |
|----------------------|-------|--------|------------|---------|----------|--------|---------|-------|
| Readings             |       |        | References |         |          |        | Results |       |
|                      | Zero  | Cal    |            | Zero    | Cal      |        | m'      | b'    |
| Deep                 | 0.000 | 0.000  | mmho/m     | 14.508  | 388.384  | mmho/m | 1.000   | 0.000 |
| Medium               | 0.000 | 0.000  | mmho/m     | 166.367 | 504.400  | mmho/m | 1.000   | 0.000 |
| LL3                  |       | 7.500  | V          |         | 1400.000 | Ohm-m  |         |       |
|                      |       | 0.000  | V          |         | 20.000   | Ohm-m  |         |       |
|                      |       | -7.200 | V          |         | 4000.000 | mmho-m |         |       |

| After Survey Verification |       |       |         |       |       |        |         |       |
|---------------------------|-------|-------|---------|-------|-------|--------|---------|-------|
| Readings                  |       |       | Targets |       |       |        | Results |       |
|                           | Zero  | Cal   |         | Zero  | Cal   |        | m'      | b'    |
| Deep                      | 0.000 | 0.000 | mmho/m  | 0.000 | 0.000 | mmho/m | 0.000   | 0.000 |
| Medium                    | 0.000 | 0.000 | mmho/m  | 0.000 | 0.000 | mmho/m | 0.000   | 0.000 |
| LL3                       |       | 1.000 | Ohm-m   |       | 1.000 | Ohm-m  |         |       |
|                           |       | 0.000 | Ohm-m   |       | 0.000 | Ohm-m  |         |       |
|                           |       | 1.000 | mmho-m  |       | 1.000 | mmho-m |         |       |

Litho Density Calibration Report  
Serial: 002 Model: PRB

| Master Calibration |            |           |          |           | Performed Mon Aug 21 11:27:42 2017 |  |  |  |
|--------------------|------------|-----------|----------|-----------|------------------------------------|--|--|--|
|                    | Background | Magnesium | Aluminum | Sandstone |                                    |  |  |  |
| Window 1           | 837.1      | 10632.5   | 2945.1   | 12110.1   | cps                                |  |  |  |

|                                        |        |                          |                                    |                     |         |
|----------------------------------------|--------|--------------------------|------------------------------------|---------------------|---------|
| Window 2                               | 772.0  | 9117.4                   | 2570.1                             | 10197.3             | cps     |
| Window 3                               | 631.7  | 4669.0                   | 1481.9                             | 5042.9              | cps     |
| Window 4                               | 187.0  | 187.5                    | 185.9                              | 189.9               | cps     |
| Long Space                             | 0.0    | 8345.4                   | 1798.1                             | 9425.3              | cps     |
| Short Space                            | 1.1    | 1927.9                   | 1285.9                             | 2050.2              | cps     |
| Rho                                    |        | 1.7100                   | 2.5960                             | 1.3800              | g/cc    |
| Pe                                     |        | 0.0000                   | 2.5700                             | 1.5500              |         |
|                                        |        |                          |                                    |                     |         |
| Rib Angle                              | : 45.2 | Rib Slope                | : 1.008                            | Density/Spine Ratio | : 0.558 |
| Spine Angle                            | : 75.2 | Spine Slope              | : 3.790                            | Spine Intercept     | : -19.6 |
|                                        |        |                          |                                    |                     |         |
| Before Survey Verification             |        |                          | Performed Wed Dec 31 18:00:00 1969 |                     |         |
|                                        |        |                          |                                    |                     |         |
| Window 1                               | 0.0    | 0.0                      | 0.0                                | 0.0                 | cps     |
| Window 2                               | 0.0    | 0.0                      | 0.0                                | 0.0                 | cps     |
| Window 3                               | 0.0    | 0.0                      | 0.0                                | 0.0                 | cps     |
| Window 4                               | 0.0    | 0.0                      | 0.0                                | 0.0                 | cps     |
| Long Space                             | 0.0    | 0.0                      | 0.0                                | 0.0                 | cps     |
| Short Space                            | 0.0    | 0.0                      | 0.0                                | 0.0                 | cps     |
| Measured Rho                           |        | 0.0000                   | 0.0000                             | 0.0000              | g/cc    |
| Measured Correction                    |        | 0.0000                   | 0.0000                             | 0.0000              | g/cc    |
| Measured Pe                            |        |                          | 0.0000                             | 0.0000              |         |
|                                        |        |                          |                                    |                     |         |
| After Survey Verification              |        |                          | Performed Wed Dec 31 18:00:00 1969 |                     |         |
|                                        |        |                          |                                    |                     |         |
| Window 1                               | 0.0    | 0.0                      | 0.0                                | 0.0                 | cps     |
| Window 2                               | 0.0    | 0.0                      | 0.0                                | 0.0                 | cps     |
| Window 3                               | 0.0    | 0.0                      | 0.0                                | 0.0                 | cps     |
| Window 4                               | 0.0    | 0.0                      | 0.0                                | 0.0                 | cps     |
| Long Space                             | 0.0    | 0.0                      | 0.0                                | 0.0                 | cps     |
| Short Space                            | 0.0    | 0.0                      | 0.0                                | 0.0                 | cps     |
| Measured Rho                           |        | 0.0000                   | 0.0000                             | 0.0000              | g/cc    |
| Measured Correction                    |        | 0.0000                   | 0.0000                             | 0.0000              | g/cc    |
| Measured Pe                            |        |                          | 0.0000                             | 0.0000              |         |
|                                        |        |                          |                                    |                     |         |
|                                        |        |                          |                                    |                     |         |
| Compensated Neutron Calibration Report |        |                          |                                    |                     |         |
|                                        |        |                          |                                    |                     |         |
|                                        |        | Serial Number:           | 070808                             |                     |         |
|                                        |        | Tool Model:              | Probe                              |                     |         |
|                                        |        |                          |                                    |                     |         |
| PRE-SURVEY VERIFICATION                |        |                          |                                    |                     |         |
| Detector                               |        | Readings                 | Measured                           | Target              |         |
| Short Space                            |        | cps                      |                                    |                     |         |
| Long Space                             |        | cps                      | pu                                 | pu                  |         |
|                                        |        |                          |                                    |                     |         |
| POST-SURVEY VERIFICATION               |        |                          |                                    |                     |         |
| Detector                               |        | Readings                 | Measured                           | Target              |         |
| Short Space                            |        | cps                      |                                    |                     |         |
| Long Space                             |        | cps                      | pu                                 | pu                  |         |
|                                        |        |                          |                                    |                     |         |
| Gamma Ray Calibration Report           |        |                          |                                    |                     |         |
|                                        |        |                          |                                    |                     |         |
| Serial Number:                         |        | 070558                   |                                    |                     |         |
| Tool Model:                            |        | OPEN_GR                  |                                    |                     |         |
| Performed:                             |        | Wed May 31 00:09:32 2017 |                                    |                     |         |
|                                        |        |                          |                                    |                     |         |
| Calibrator Value:                      |        | 1.0                      | GAPI                               |                     |         |

Background Reading:

0.0

cps

Calibrator Reading:

1.0

cps

Sensitivity:

0.2800

GAPI/cps