



**SUPERIOR**  
**Hays,**  
**Kansas**

**RADIATION**  
**GUARD**  
**LOG**

|                              |                   |                                                    |  |
|------------------------------|-------------------|----------------------------------------------------|--|
| Company                      |                   | PALOMINO PETROLEUM, INC.                           |  |
| Well                         |                   | VALENTINE #1                                       |  |
| Field                        |                   | WILDCAT                                            |  |
| County                       |                   | TREGO                                              |  |
| State                        |                   | KANSAS                                             |  |
| Company                      |                   | PALOMINO PETROLEUM, INC.                           |  |
| Well                         |                   | VALENTINE #1                                       |  |
| Field                        |                   | WILDCAT                                            |  |
| County                       |                   | TREGO                                              |  |
| State                        |                   | KANSAS                                             |  |
| Location:                    |                   | API # : 15-195-22813-0000<br>1446' FSL & 1723' FEL |  |
| Permanent Datum              |                   | GROUND LEVEL                                       |  |
| Log Measured From            |                   | KELLY BUSHING 10' A.G.L.                           |  |
| Drilling Measured From       |                   | KELLY BUSHING                                      |  |
| SEC 7                        |                   | TWP 15S                                            |  |
| RGE 25W                      |                   | Elevation                                          |  |
| K.B. 2364                    |                   | D.F. 2362                                          |  |
| G.L. 2354                    |                   |                                                    |  |
| Date                         | 9/20/12           |                                                    |  |
| Run Number                   | ONE               |                                                    |  |
| Depth Driller                | 4380              |                                                    |  |
| Depth Logger                 | 4380              |                                                    |  |
| Bottom Logged Interval       | 4378              |                                                    |  |
| Top Log Interval             | 00                |                                                    |  |
| Casing Driller               | 8 5/8" @ 223      |                                                    |  |
| Casing Logger                | 222               |                                                    |  |
| Bit Size                     | 7 7/8             |                                                    |  |
| Type Fluid in Hole           | CHEMICAL MUD      | CHLORIDES 4100 PPM                                 |  |
| Density / Viscosity          | 9.4/60            |                                                    |  |
| pH / Fluid Loss              | 11.0/7.0          |                                                    |  |
| Source of Sample             | FLOWLINE          |                                                    |  |
| Rim @ Meas. Temp             | 1.0 @ 89F         |                                                    |  |
| Rmf @ Meas. Temp             | .75 @ 89F         |                                                    |  |
| Rmc @ Meas. Temp             | 1.2 @ 89F         |                                                    |  |
| Source of Rmf / Rmc          | MEASURED          |                                                    |  |
| Rim @ BHT                    | .74 @ 119F        |                                                    |  |
| Time Circulation Stopped     | 2 HOURS           |                                                    |  |
| Time Logger on Bottom        |                   |                                                    |  |
| Maximum Recorded Temperature | 119F              |                                                    |  |
| Equipment Number             | 680               |                                                    |  |
| Location                     | HAYS, KS.         |                                                    |  |
| Recorded By                  | JASON CAPPELLUCCI |                                                    |  |
| Witnessed By                 | RYAN SEIB         |                                                    |  |

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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 SUPERIOR WELL SERVICE (785) 628-6395  
DIRECTIONS  
UTICA, KS. - 1 E. TO RD. F - 5 N. TO DD RD. - 1 W. TO T - 3 N. - E. INTO

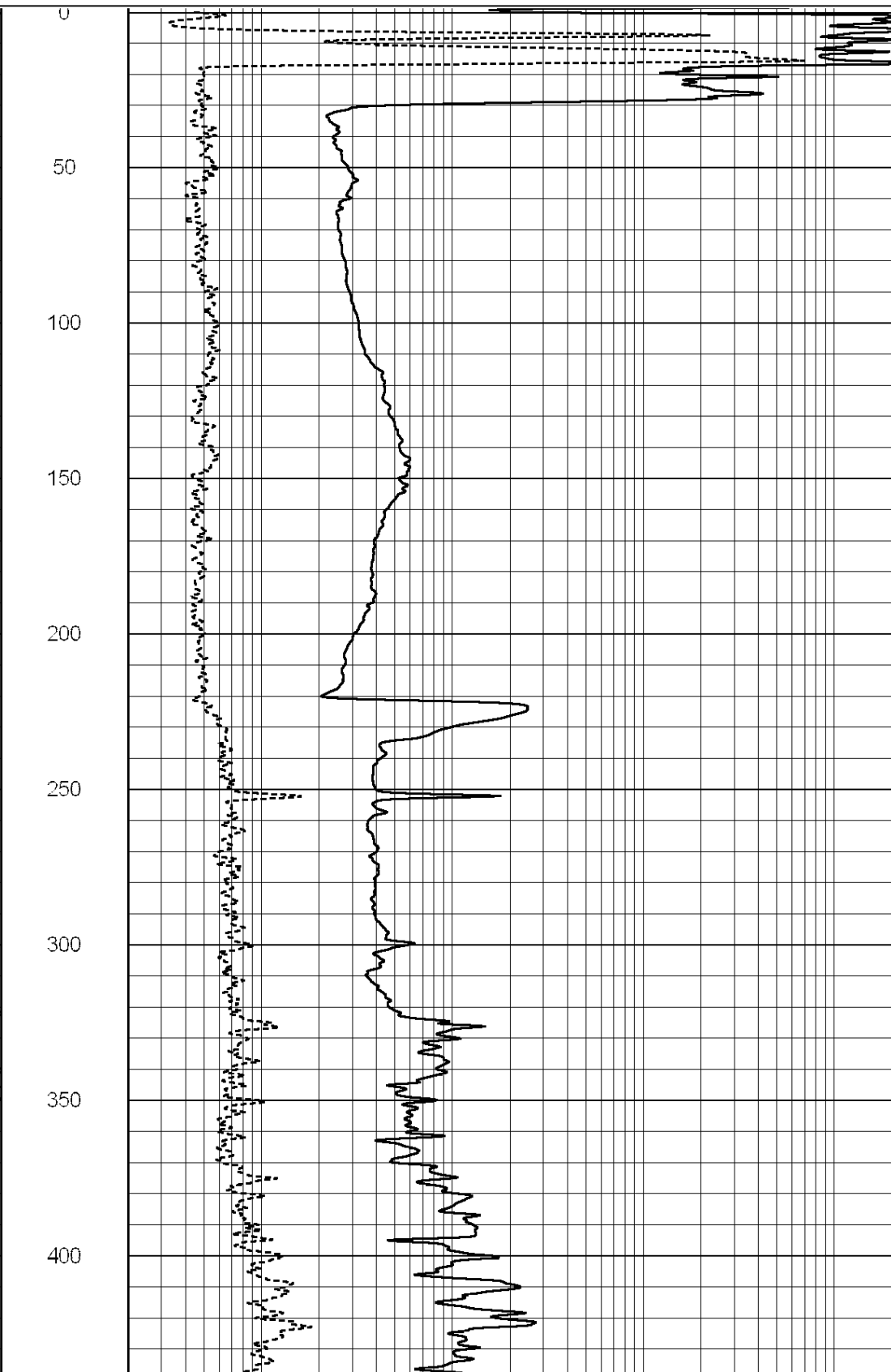
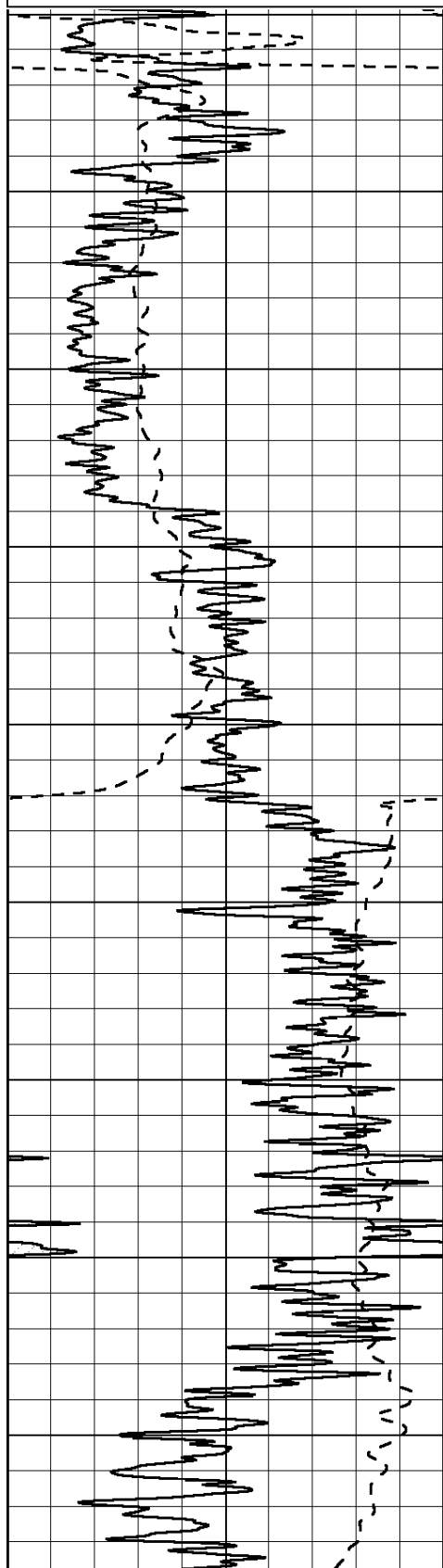


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**MAIN SECTION**

Database File: 009733rag.db  
Dataset Pathname: pass3.2  
Presentation Format: rag2  
Dataset Creation: Thu Sep 20 18:46:14 2012 by Calc Open-Cased 090629  
Charted by: Depth in Feet scaled 1:600

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|------|------------------|-----|------------|-----|----------------|------|
| 0    | GAMMA RAY (GAPI) | 150 | ABHV (ft3) | 0.2 | GUARD (Ohm-m)  | 2000 |
| -100 | SP (mV)          | 100 |            | 0   | NEUTRON (NAPI) | 1000 |
|      |                  |     | TBHV (ft3) |     |                |      |



450

500

550

600

650

700

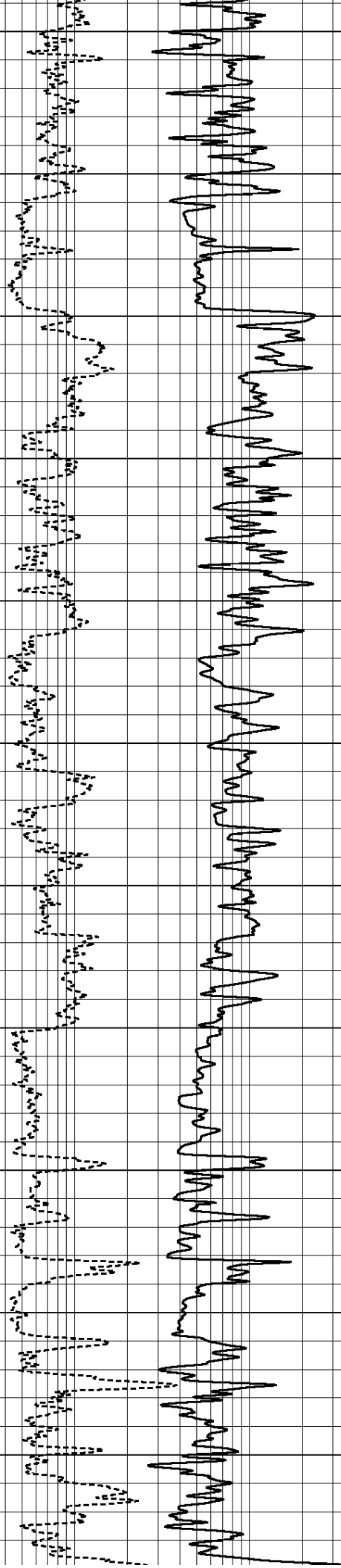
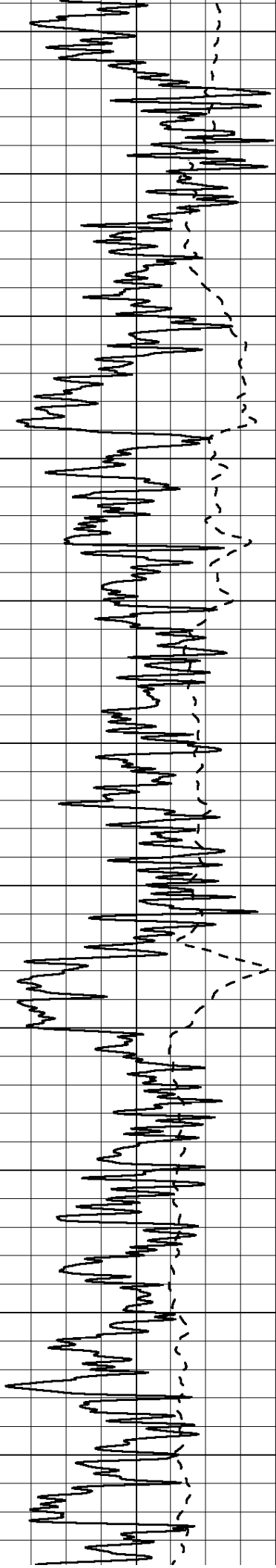
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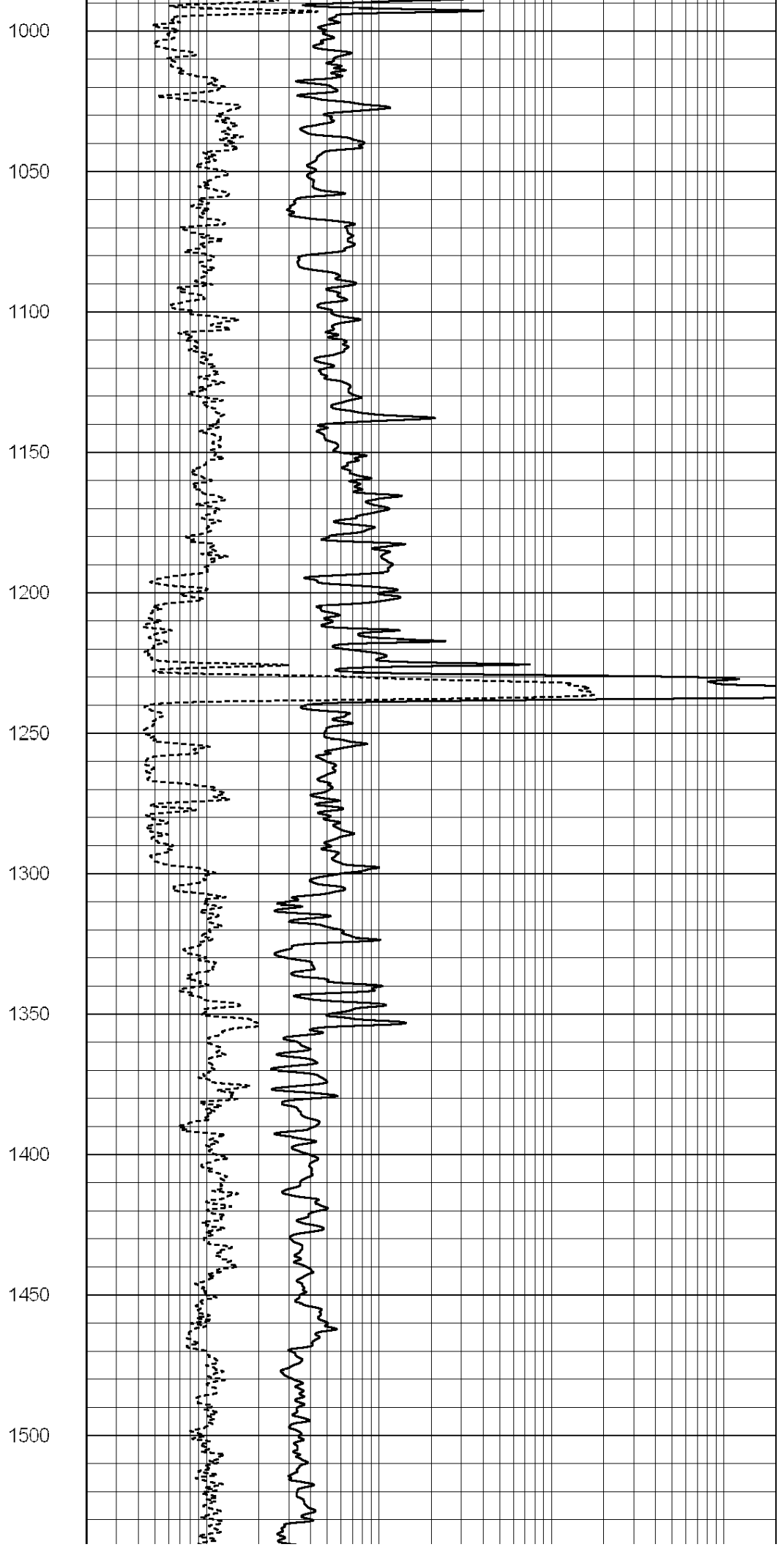
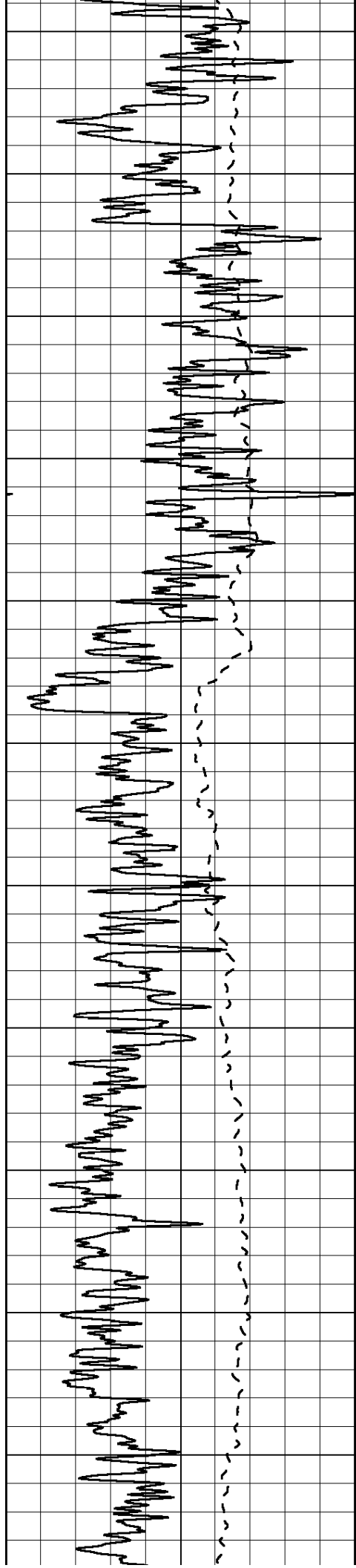
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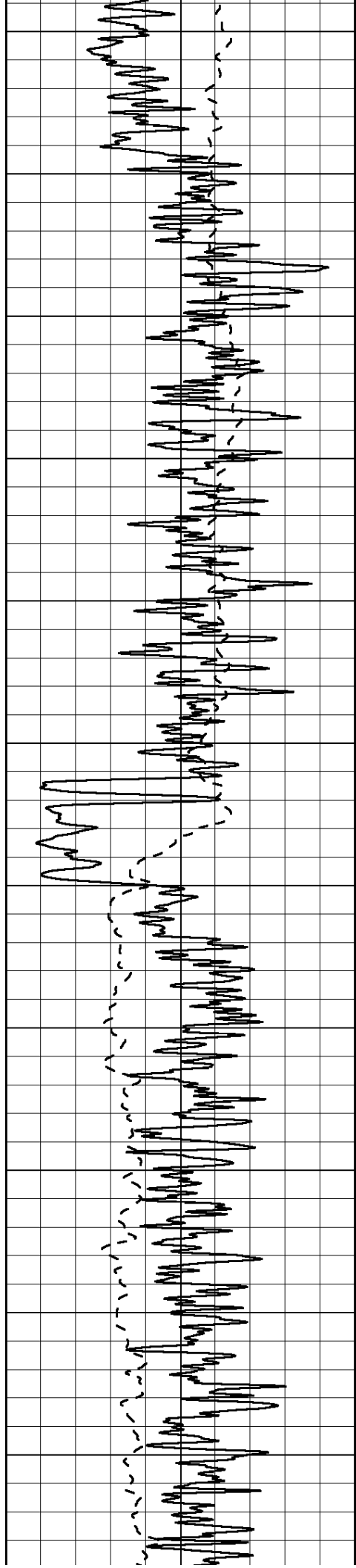
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900

950







1550

1600

1650

1700

1750

1800

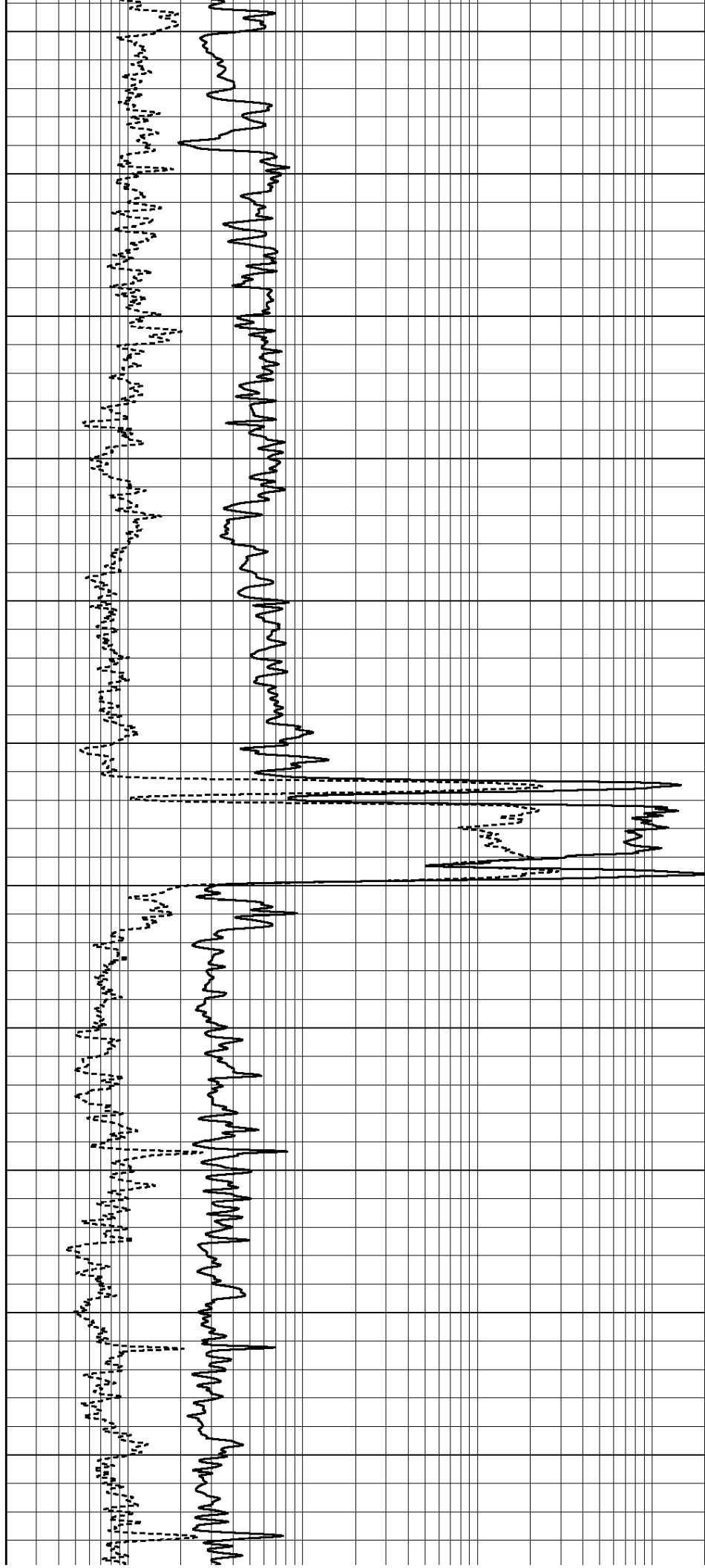
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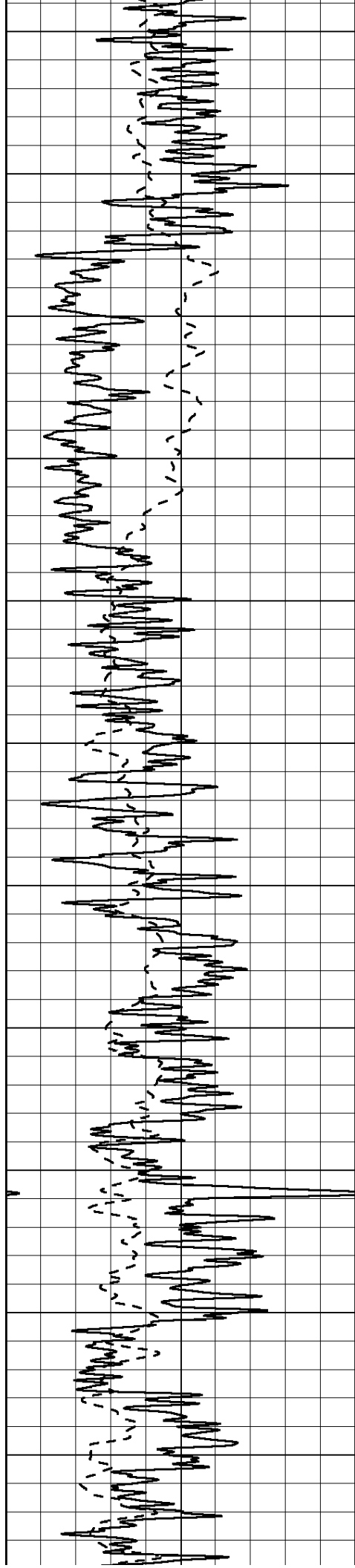
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1950

2000

2050





2100

2150

2200

2250

2300

2350

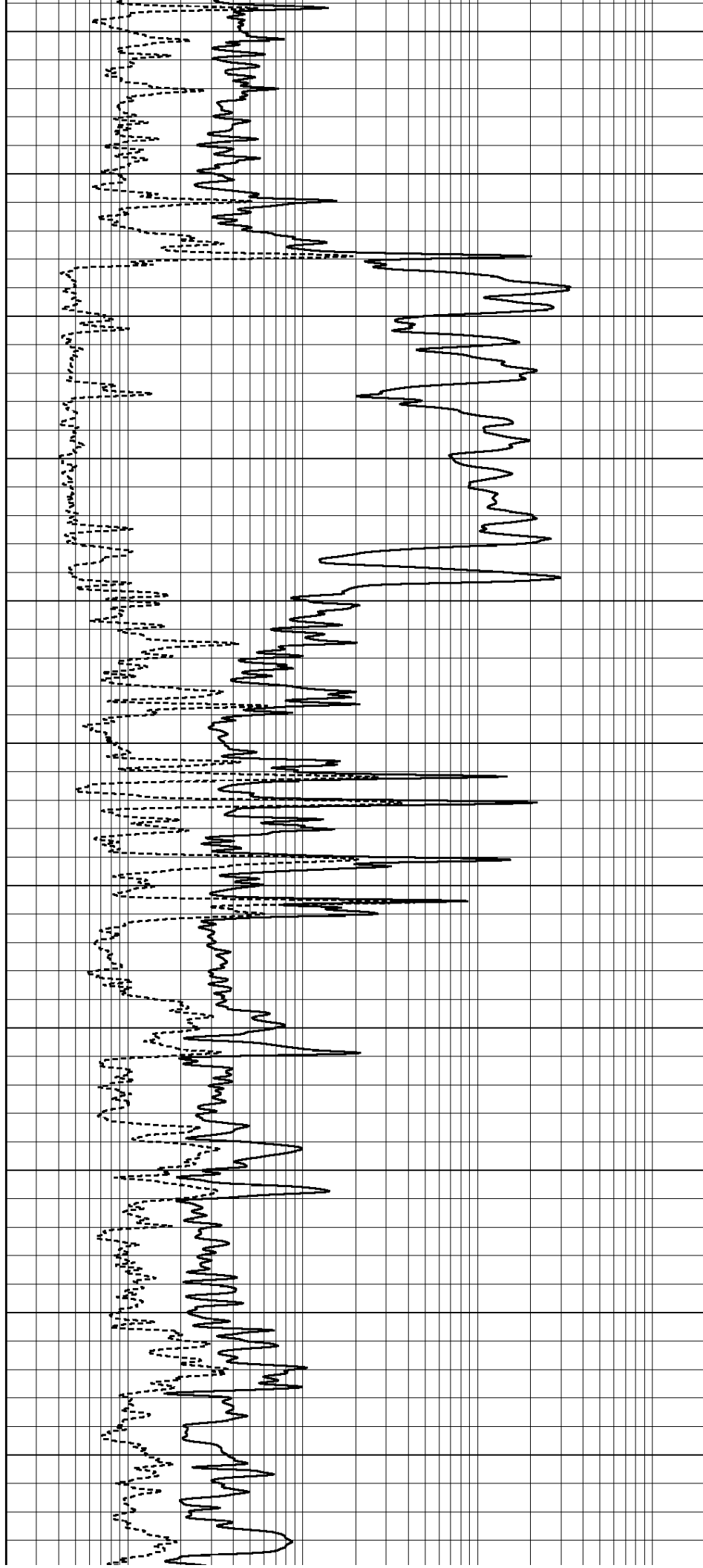
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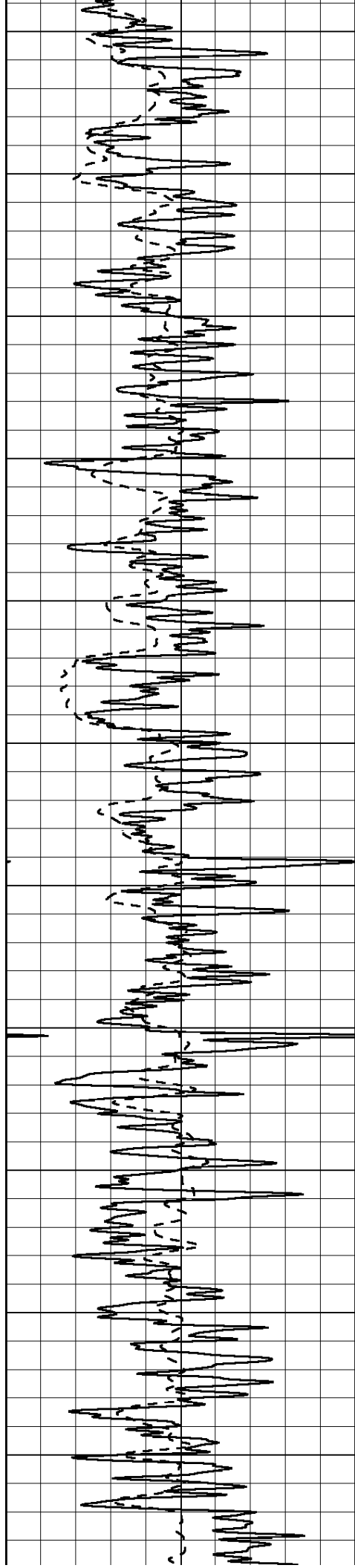
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2500

2550

2600





2650

2700

2750

2800

2850

2900

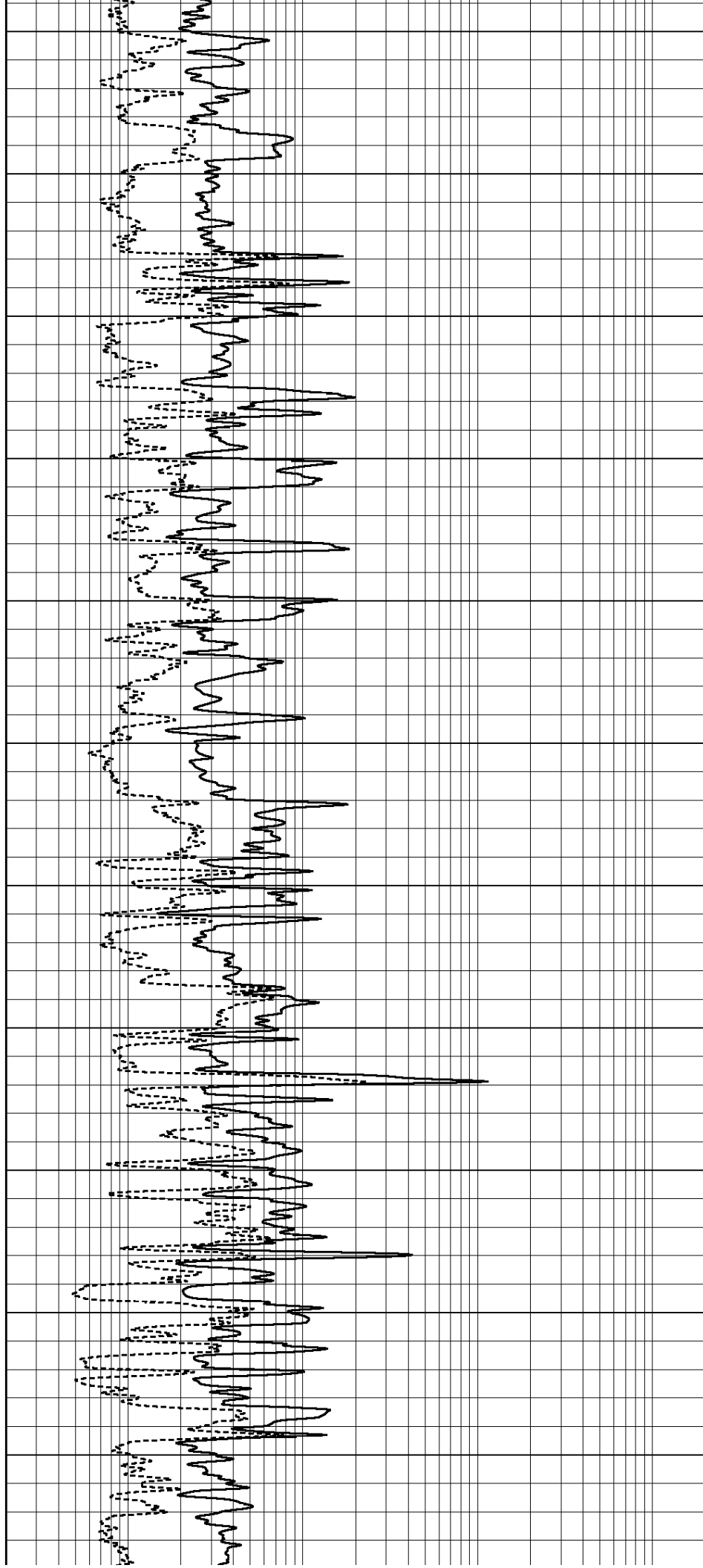
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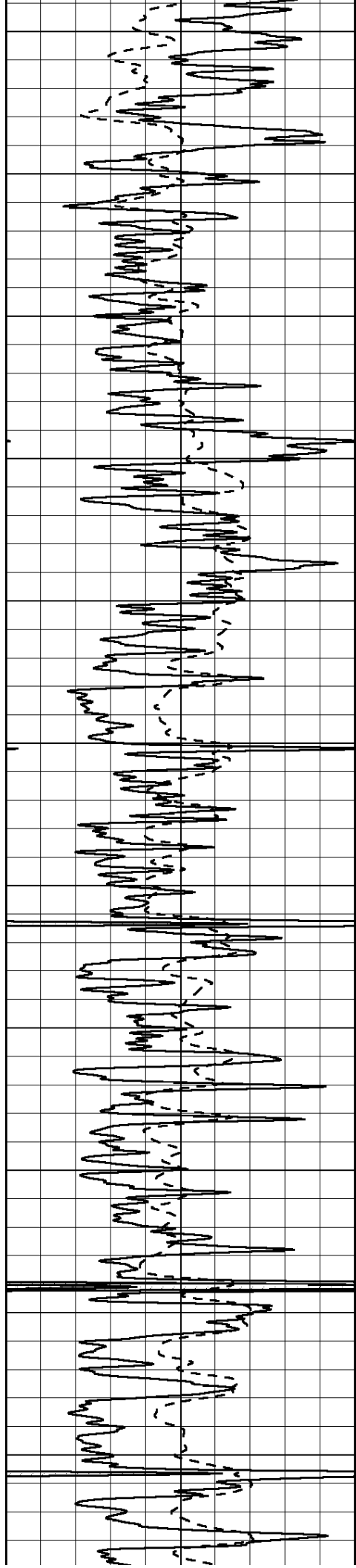
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3050

3100

3150





3200

3250

3300

3350

3400

3450

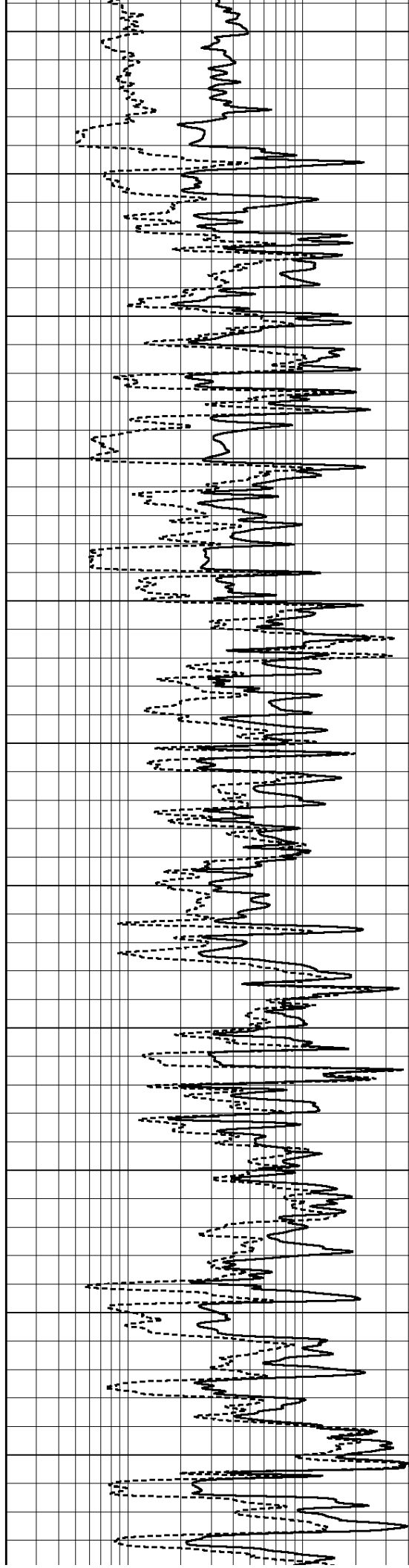
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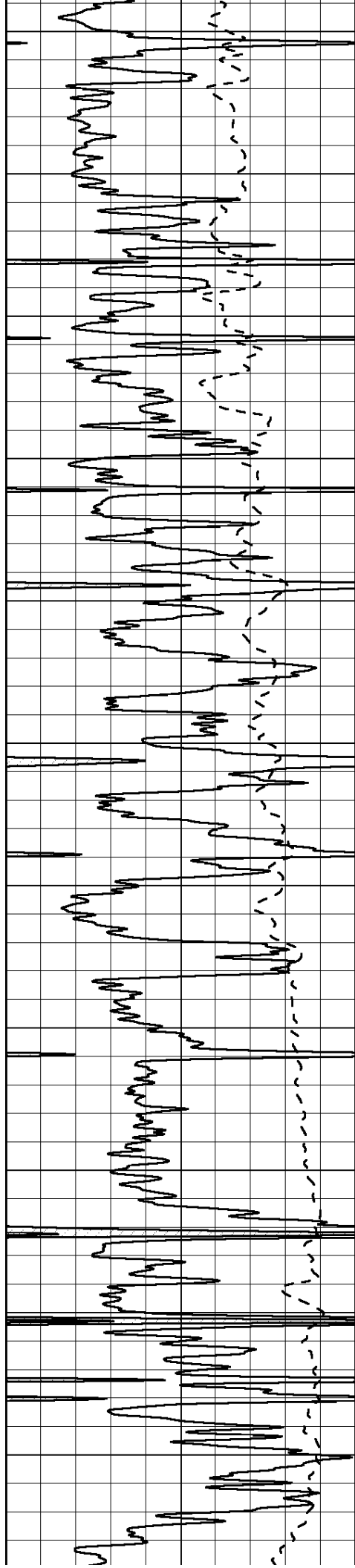
3550

3600

3650

3700





3750

3800

3850

3900

3950

4000

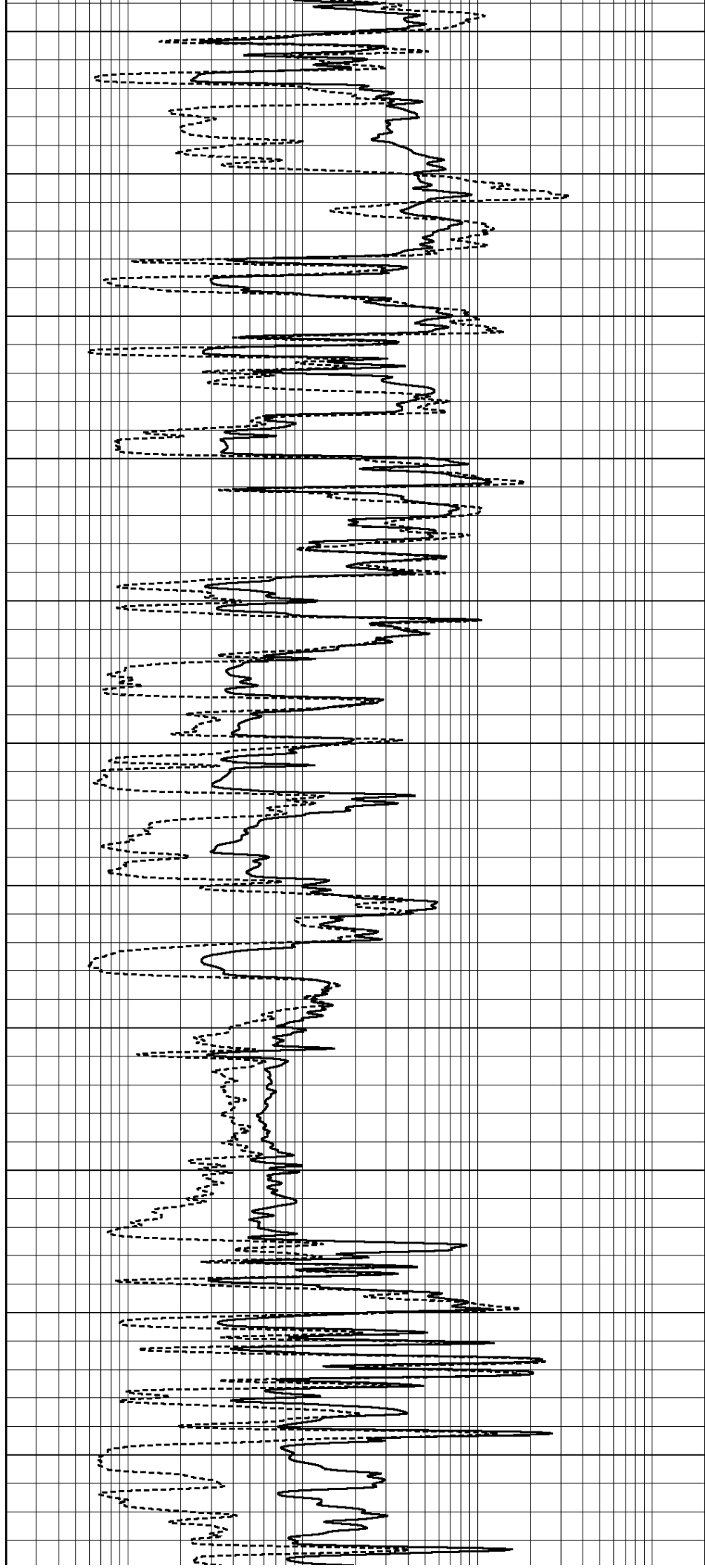
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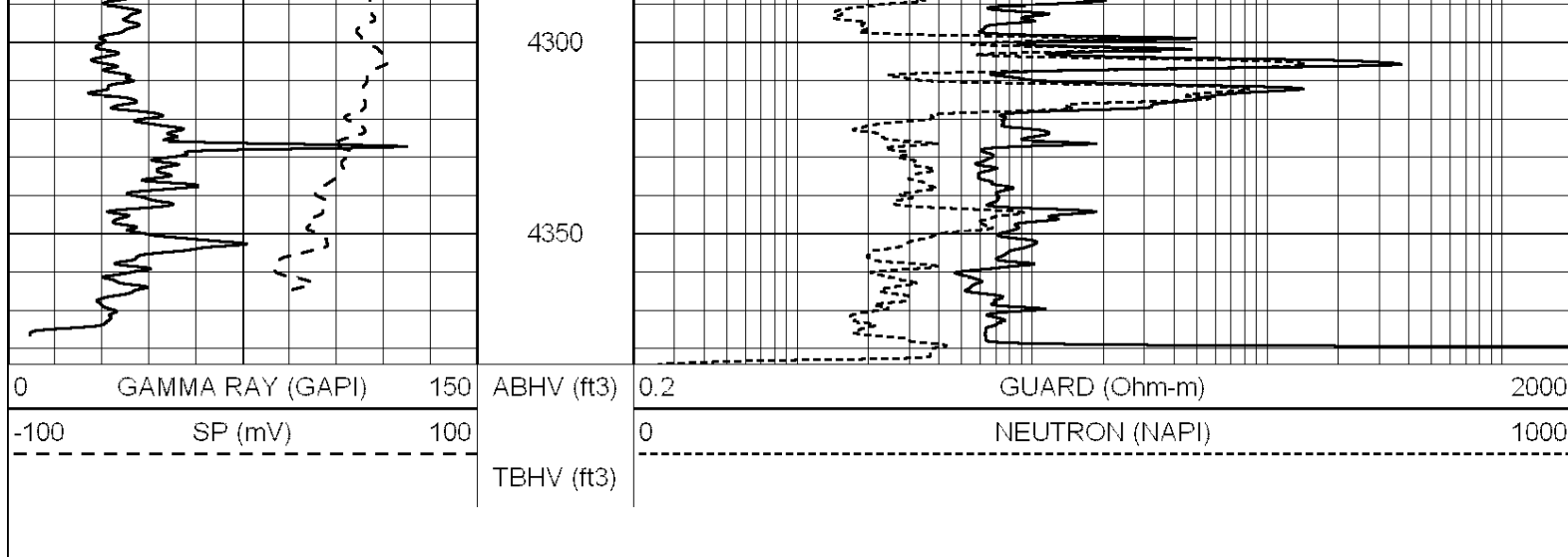
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4150

4200

4250

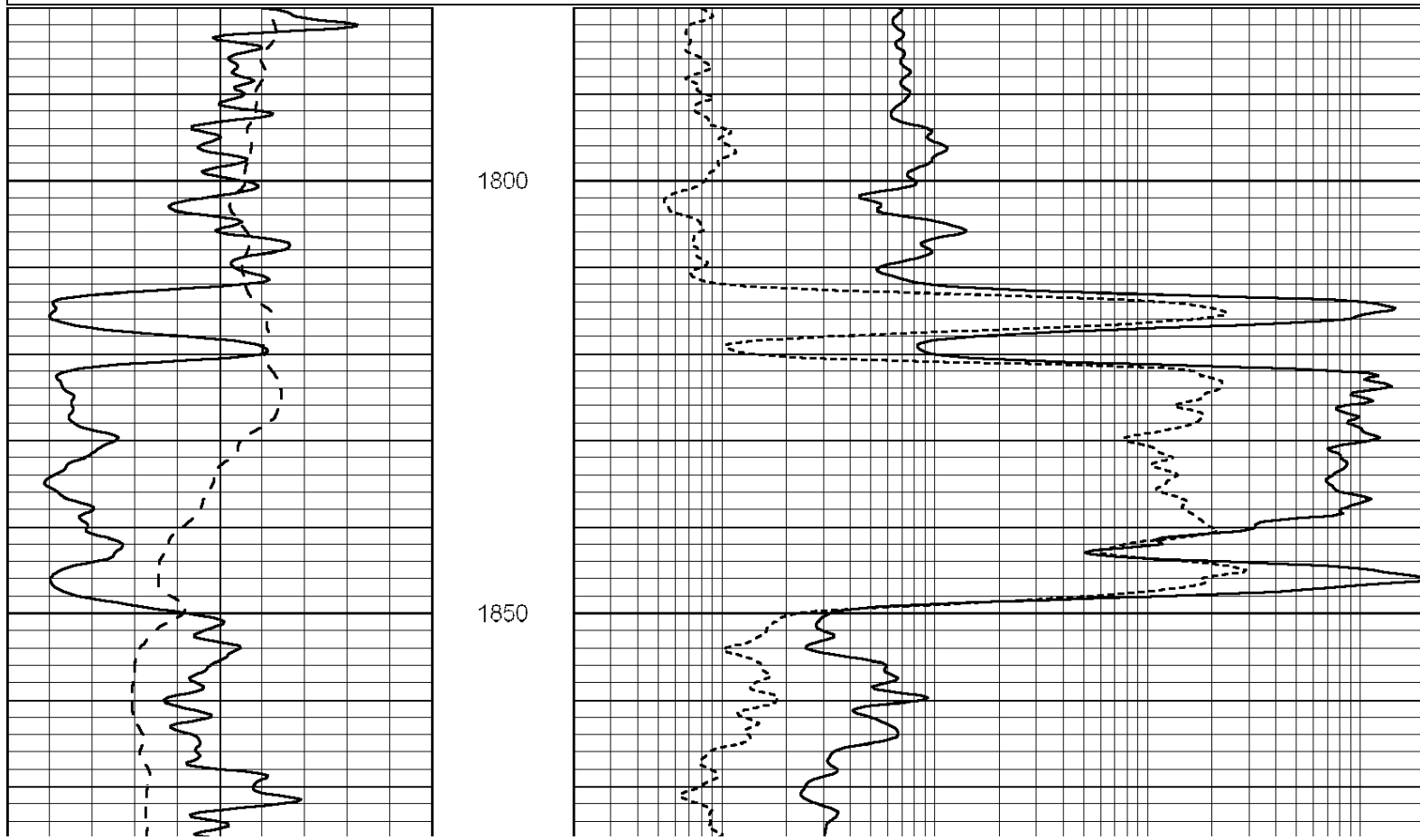
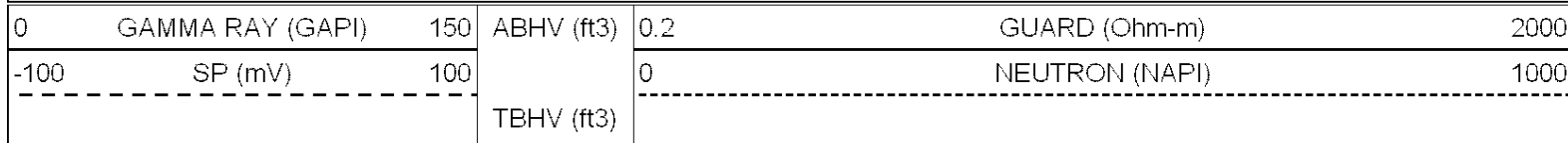




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# ANHYDRITE

Database File: 009733rag.db  
 Dataset Pathname: pass3.3  
 Presentation Format: rag2  
 Dataset Creation: Thu Sep 20 18:23:33 2012 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240



|      |                  |     |            |     |                |      |
|------|------------------|-----|------------|-----|----------------|------|
| 0    | GAMMA RAY (GAPI) | 150 | ABHV (ft3) | 0.2 | GUARD (Ohm-m)  | 2000 |
| -100 | SP (mV)          | 100 |            | 0   | NEUTRON (NAPI) | 1000 |
|      |                  |     | TBHV (ft3) |     |                |      |

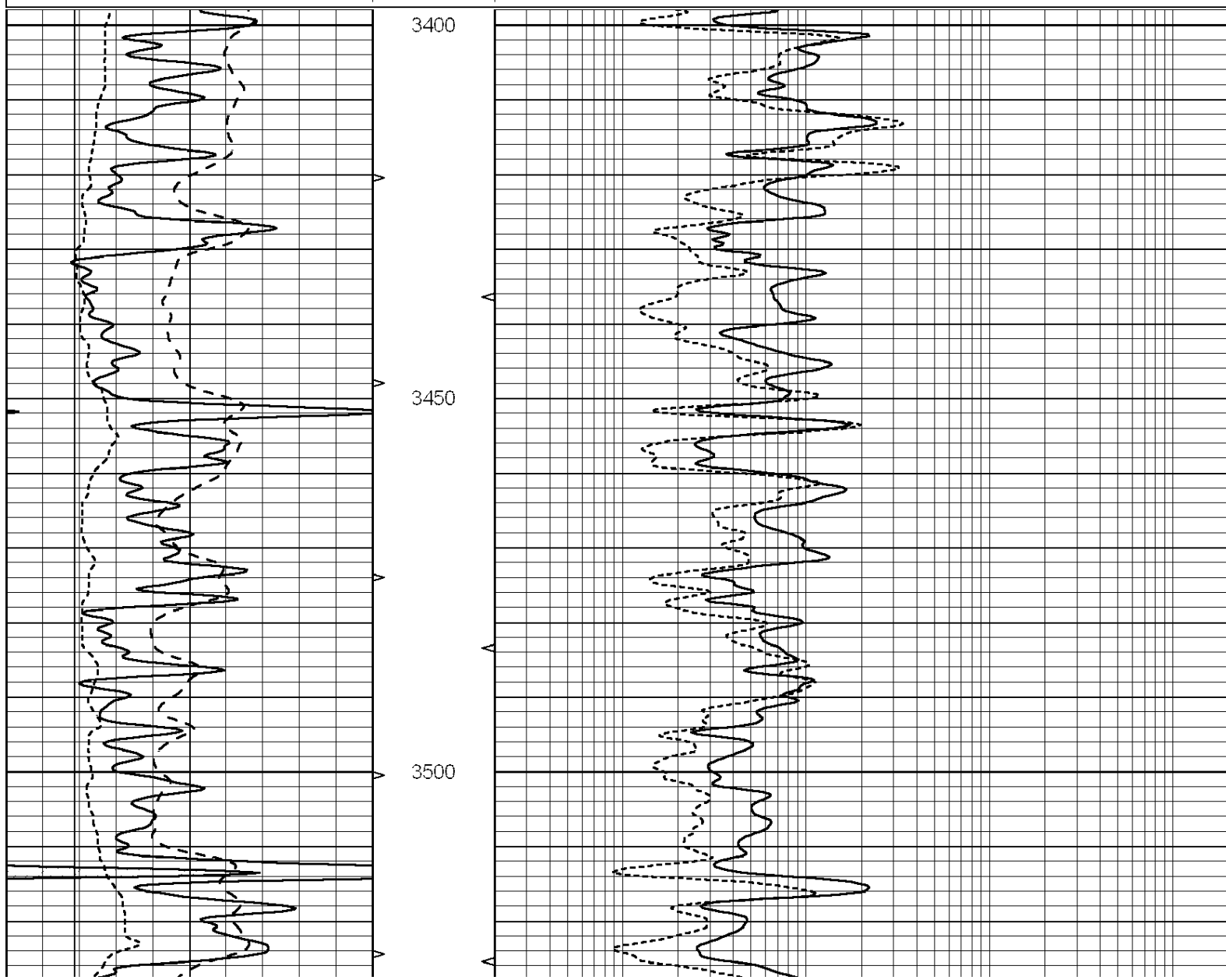


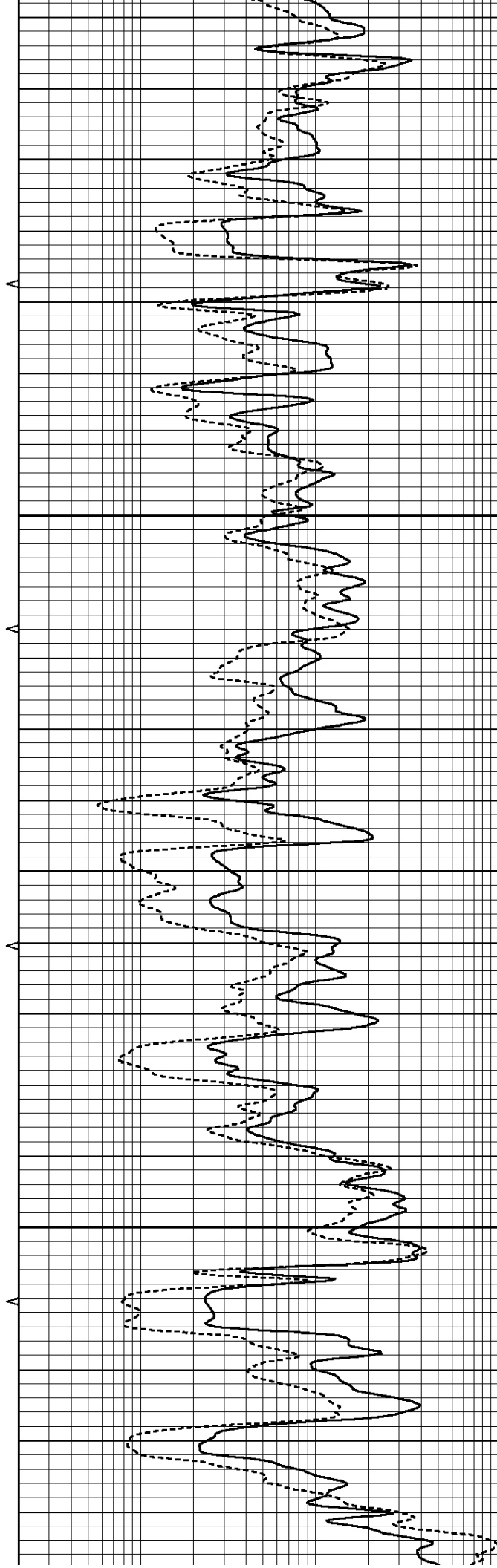
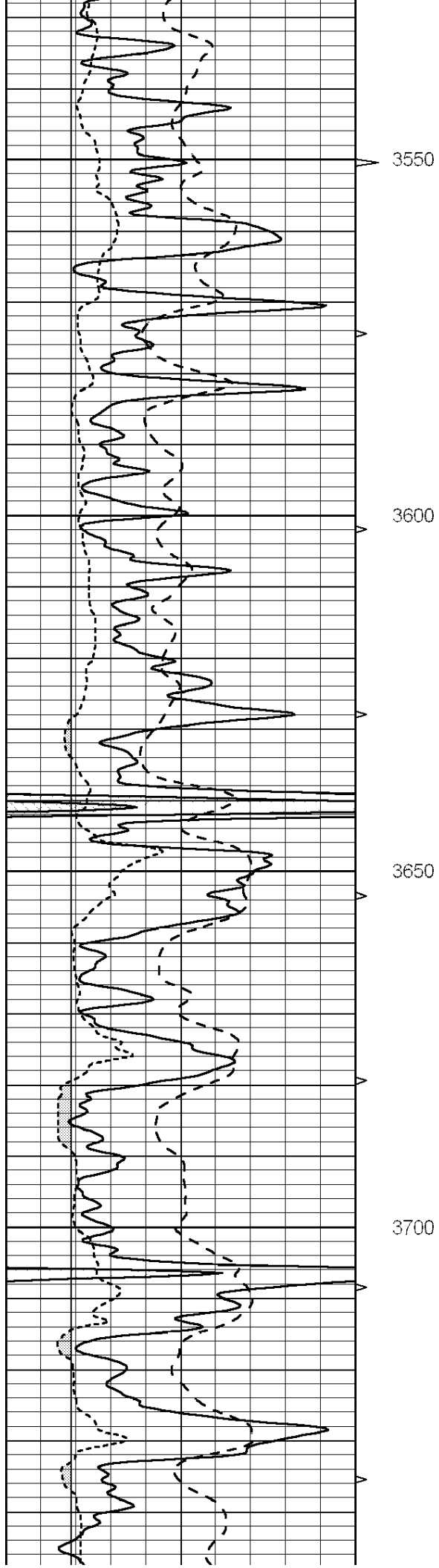
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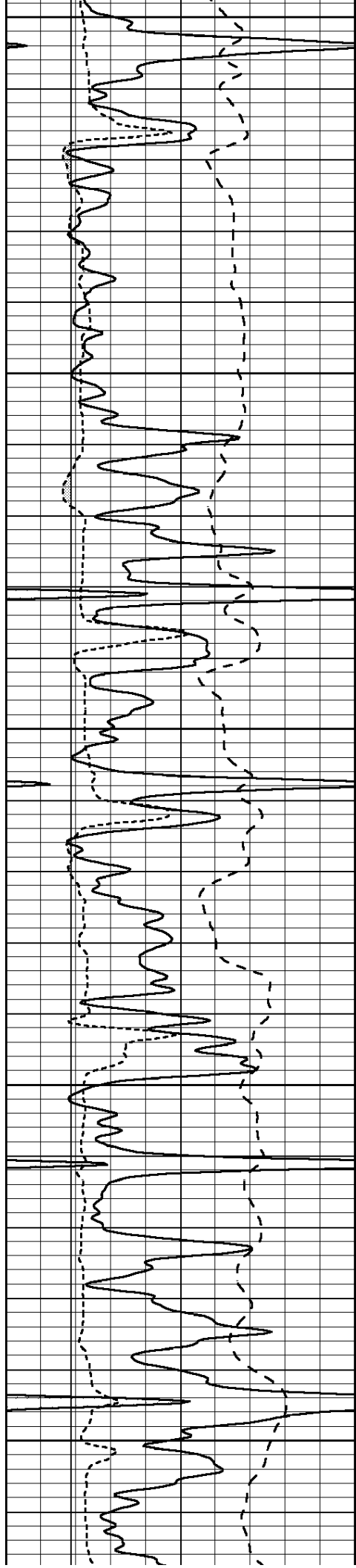
# MAIN SECTION

Database File: 009733rag.db  
Dataset Pathname: pass3.1  
Presentation Format: rag  
Dataset Creation: Thu Sep 20 18:03:02 2012 by Calc Open-Cased 090629  
Charted by: Depth in Feet scaled 1:240

|      |                  |     |          |     |                |      |
|------|------------------|-----|----------|-----|----------------|------|
| 0    | GAMMA RAY (GAPI) | 150 | ABHV     | 0.2 | GUARD (Ohm-m)  | 2000 |
| -100 | SP (mV)          | 100 | 10 (ft3) | 0   | NEUTRON (NAPI) | 1000 |
| 6    | CALIPER (in)     | 16  | TBHV     |     |                |      |
|      |                  |     | 0 (ft3)  | 10  |                |      |







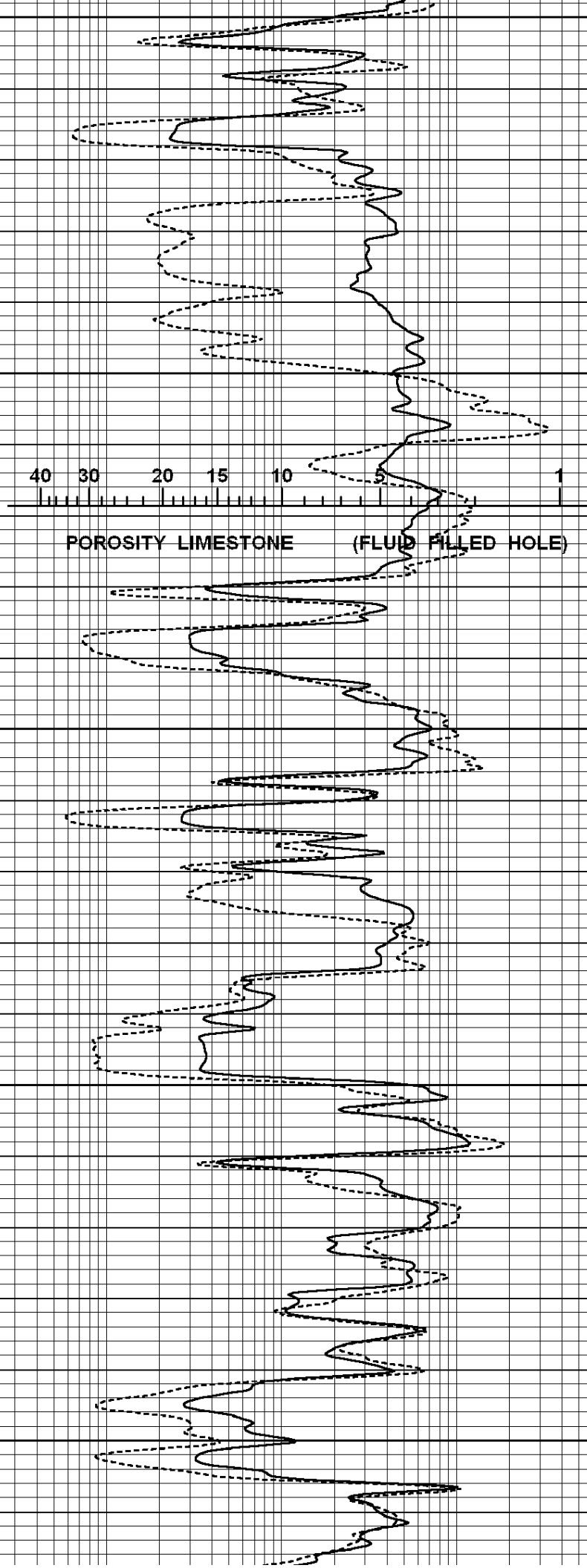
3750

3800

3850

3900

3950



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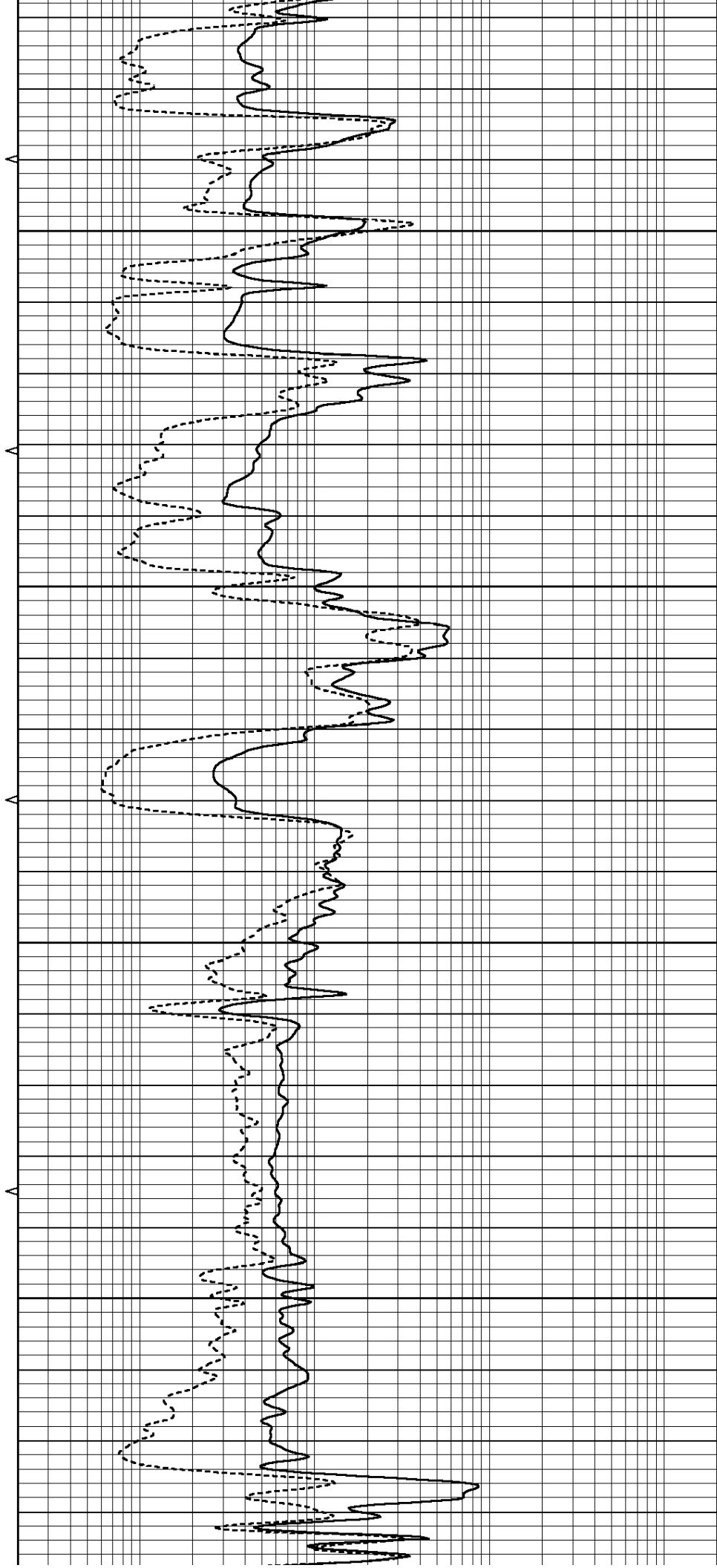
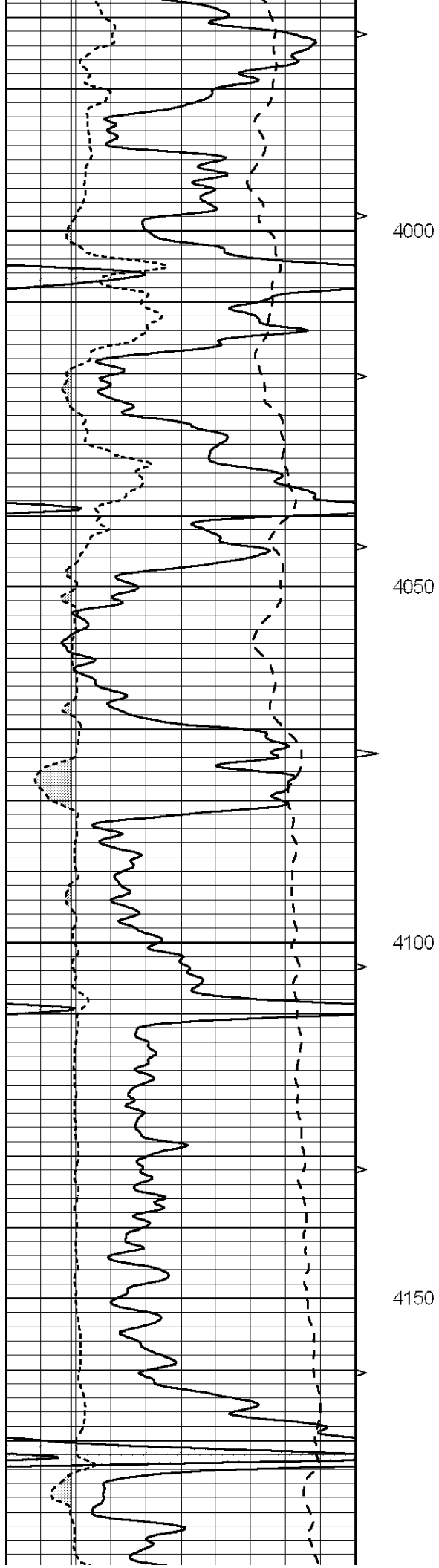
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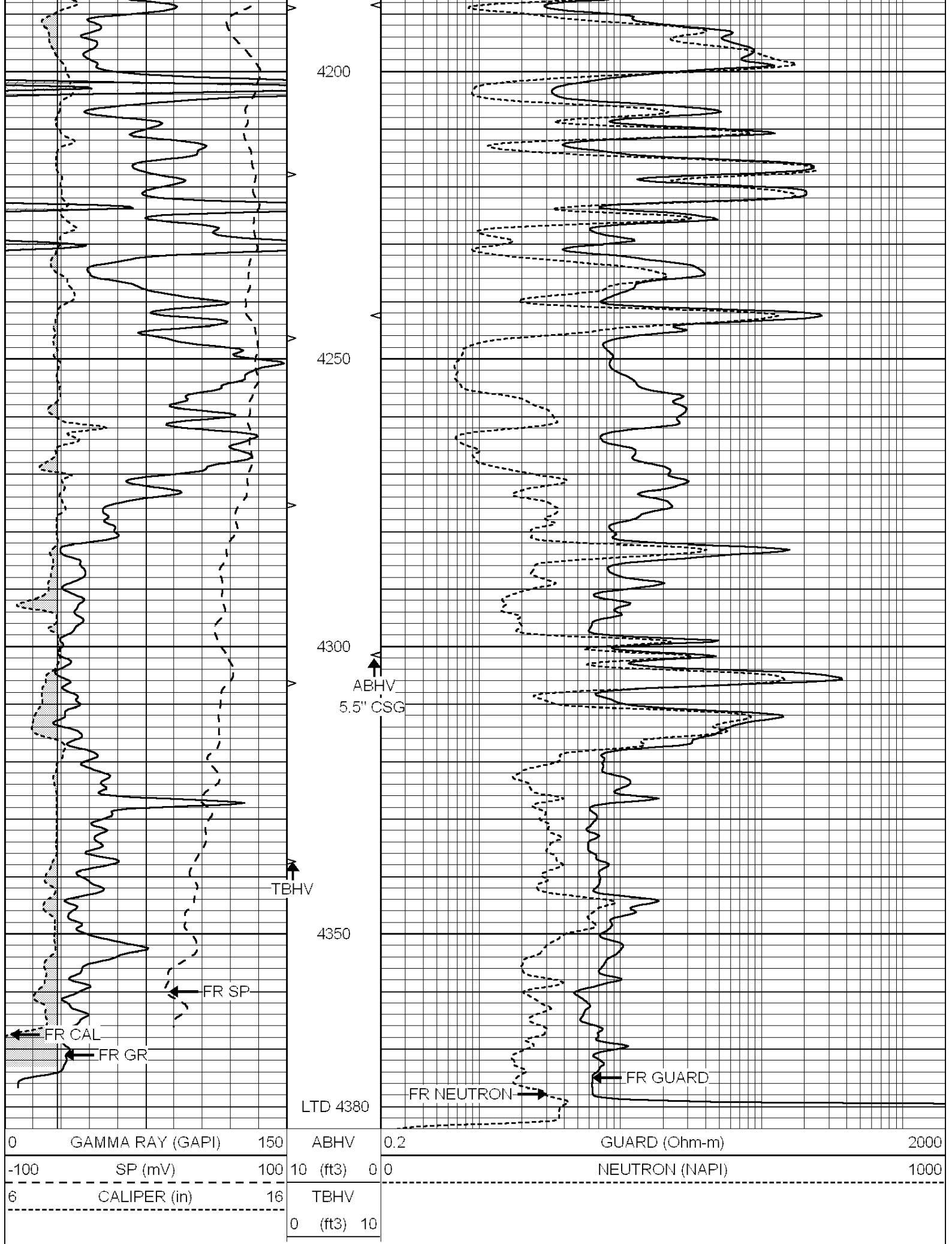
5

1

POROSITY LIMESTONE

(FLUID FILLED HOLE)







SUPERIOR

Hays,  
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# REPEAT SECTION

Database File: 009733rag.db  
Dataset Pathname: pass2.1  
Presentation Format: rag  
Dataset Creation: Thu Sep 20 17:51:54 2012 by Calc Open-Cased 090629  
Charted by: Depth in Feet scaled 1:240

|      |                  |     |            |     |                |      |
|------|------------------|-----|------------|-----|----------------|------|
| 0    | GAMMA RAY (GAPI) | 150 | ABHV       | 0.2 | GUARD (Ohm-m)  | 2000 |
| -100 | SP (mV)          | 100 | 10 (ft3)   | 0 0 | NEUTRON (NAPI) | 1000 |
| 6    | CALIPER (in)     | 16  | TBHV       |     |                |      |
|      |                  |     | 0 (ft3) 10 |     |                |      |

