



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

**MICRO**  
**LOG**

|                              |               |                                  |  |
|------------------------------|---------------|----------------------------------|--|
| Company                      |               | PHILLIPS EXPLORATION CO., LC.    |  |
| Well                         |               | SCHOOT #1-7                      |  |
| Field                        |               | MORRIS                           |  |
| County                       |               | KANSAS                           |  |
| State                        |               | KANSAS                           |  |
| Company                      |               | PHILLIPS EXPLORATION COMPANY, LC |  |
| Well                         |               | SCHOOT #1-7                      |  |
| Field                        |               | MORRIS                           |  |
| County                       |               | KANSAS                           |  |
| State                        |               | KANSAS                           |  |
| Location:                    |               | API # : 15-127-20585-0000        |  |
| Permanent Datum              |               | GROUND LEVEL                     |  |
| Log Measured From            |               | KELLY BUSHING 10' A.G.L.         |  |
| Drilling Measured From       |               | KELLY BUSHING                    |  |
| SEC 7                        |               | TWP 15S                          |  |
| RGE 8E                       |               | CDL/CNL                          |  |
| Elevation                    |               | DIL                              |  |
| K.B. 1393                    |               |                                  |  |
| D.F. 1391                    |               |                                  |  |
| G.L. 1383                    |               |                                  |  |
| Date                         | 6-17-10       |                                  |  |
| Run Number                   | TWO           |                                  |  |
| Depth Driller                | 2750          |                                  |  |
| Depth Logger                 | 2747          |                                  |  |
| Bottom Logged Interval       | 2745          |                                  |  |
| Top Log Interval             | 800           |                                  |  |
| Casing Driller               | 8 5/8" @ 229  |                                  |  |
| Casing Logger                | 227           |                                  |  |
| Bit Size                     | 7 7/8         |                                  |  |
| Type Fluid in Hole           | CHEMICAL MUD  |                                  |  |
| Density / Viscosity          | 9.3/42        |                                  |  |
| pH / Fluid Loss              | 10.5/9.2      |                                  |  |
| Source of Sample             | FLOWLINE      |                                  |  |
| Rim @ Meas. Temp             | .36 @ 83F     |                                  |  |
| Rinf @ Meas. Temp            | .27 @ 83F     |                                  |  |
| Rmc @ Meas. Temp             | .43 @ 83F     |                                  |  |
| Source of Rinf / Rmc         | MEASURED      |                                  |  |
| Rim @ BHT                    | .26 @ 114F    |                                  |  |
| Time Circulation Stopped     | 3 HOURS       |                                  |  |
| Time Logger on Bottom        |               |                                  |  |
| Maximum Recorded Temperature | 114F          |                                  |  |
| Equipment Number             | 680           |                                  |  |
| Location                     | HAYS, KANSAS  |                                  |  |
| Recorded By                  | JEFF GRONEMEG |                                  |  |
| Witnessed By                 | BILL STOUT    |                                  |  |

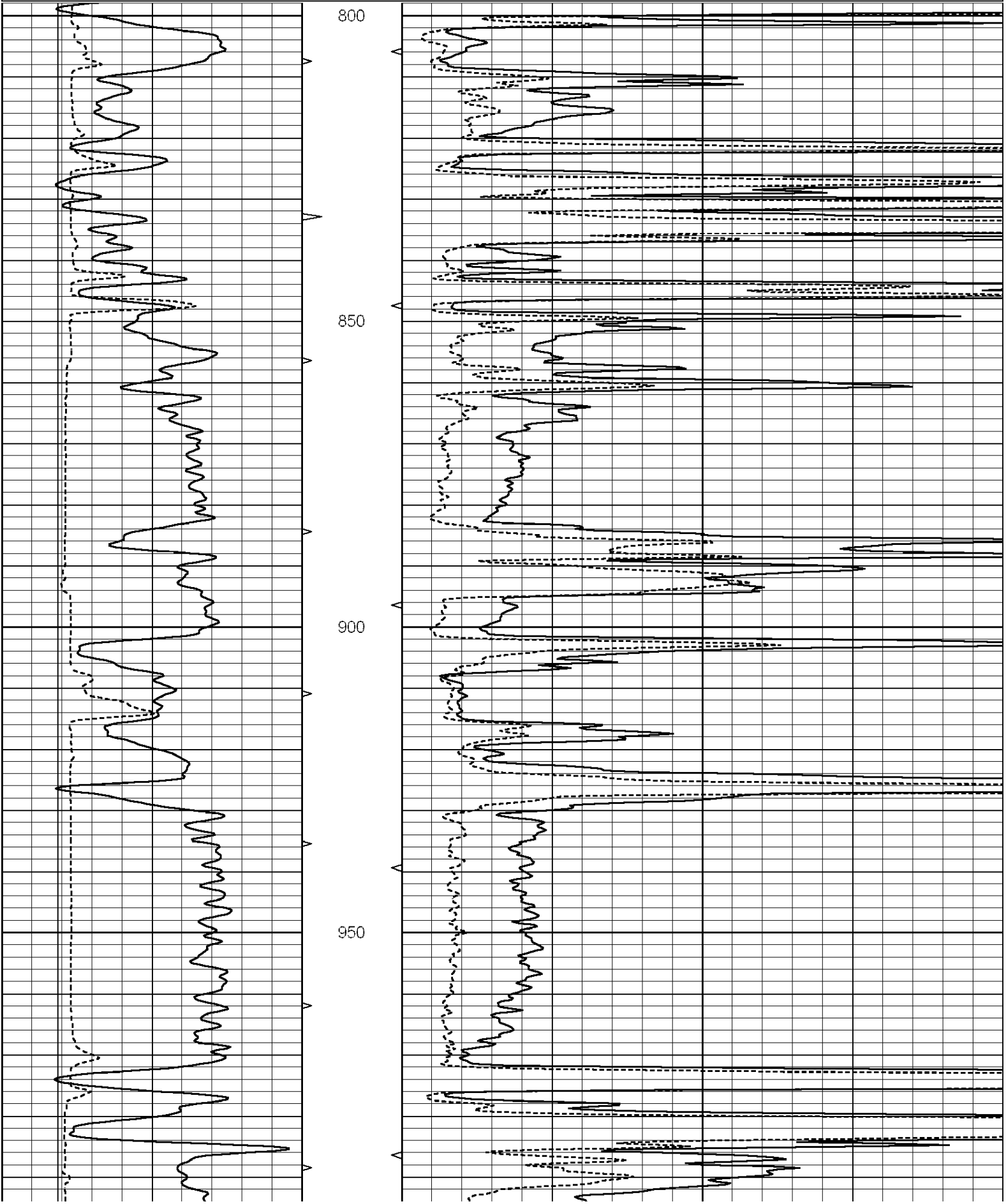
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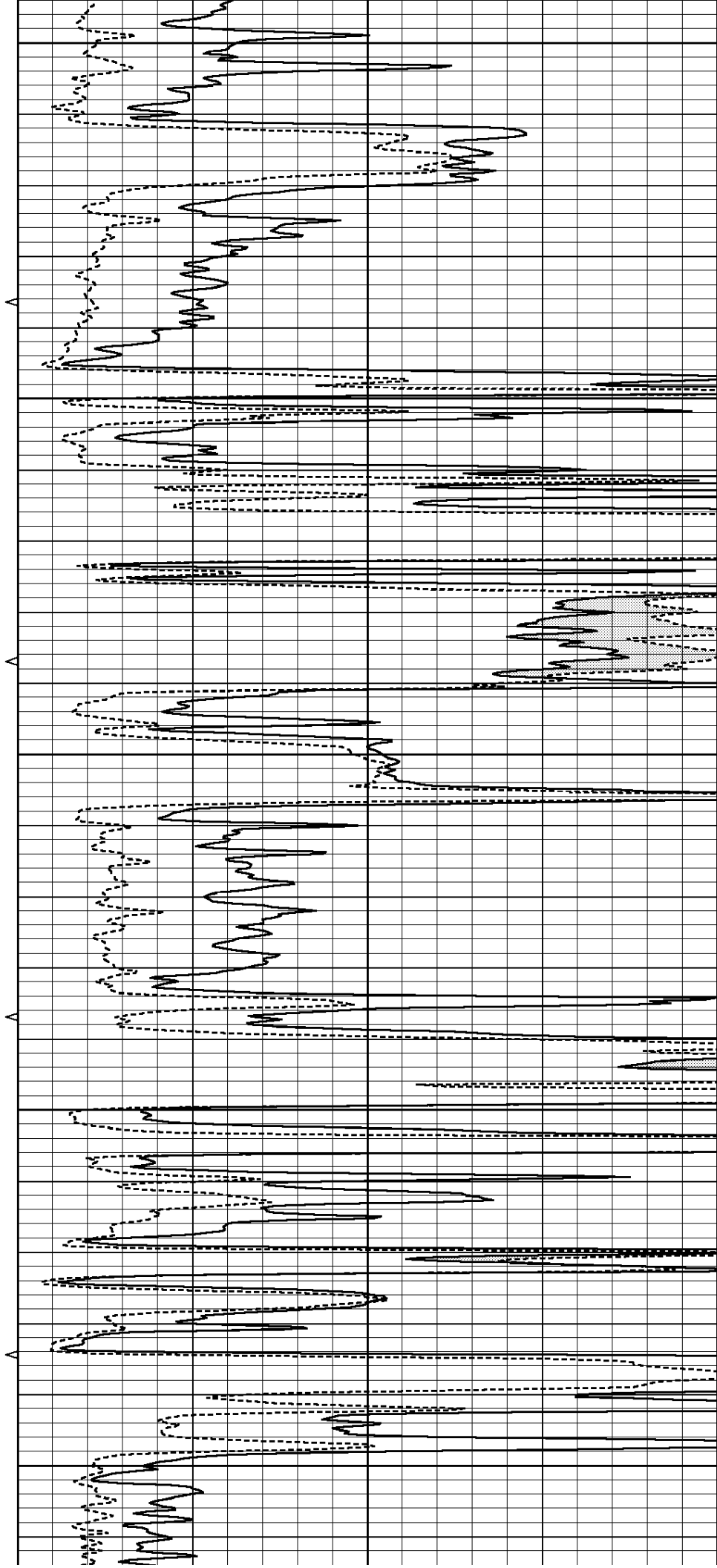
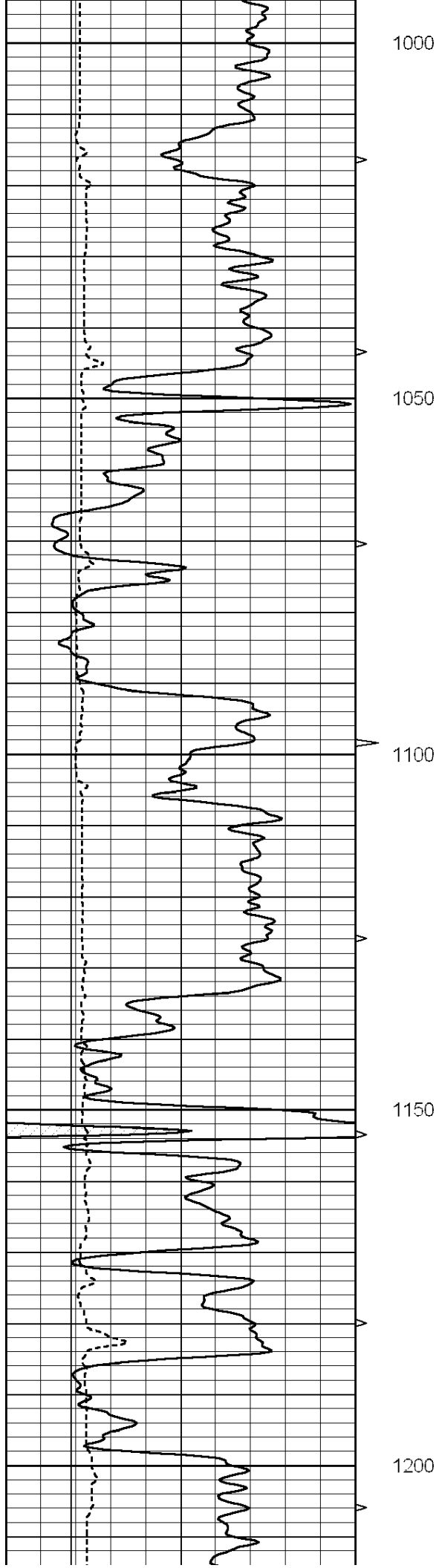
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

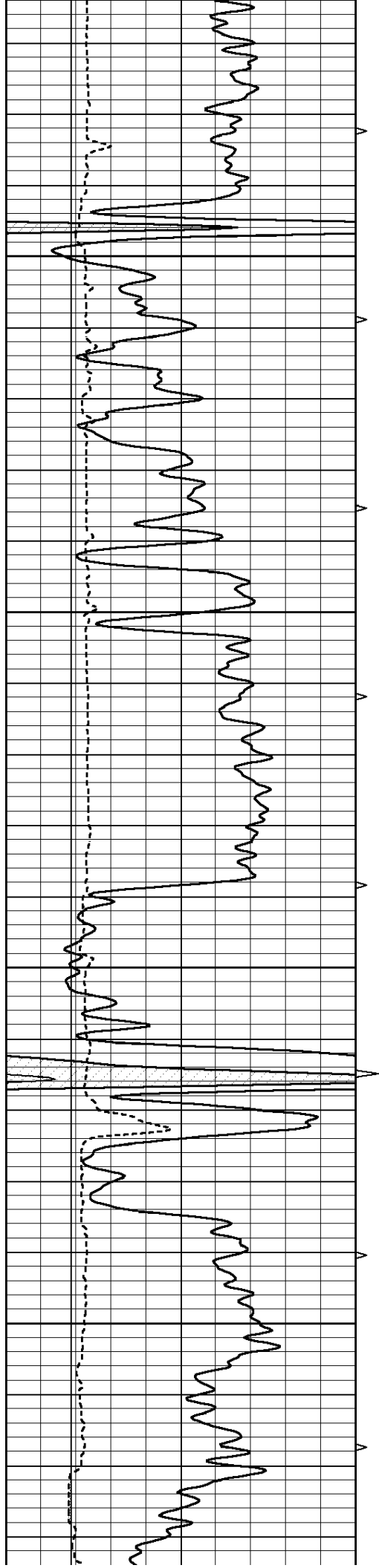
Comments

THANK YOU FOR USING SUPERIOR WELL SERVICES HAYS, KANSAS (785)628-6395  
DIRECTIONS  
INTERSECTION OF I-70 & EXIT 313 - SOUTH TO MORRIS COUNTY LINE - SOUTH TO RD K  
4 MILES WEST - 1/2 MILE NORTH - EAST INTO

|                                               |                  |     |          |     |                |    |
|-----------------------------------------------|------------------|-----|----------|-----|----------------|----|
| Charted by: _____ Depth in Feet scaled 1:2.15 |                  |     |          |     |                |    |
| 0                                             | GAMMA RAY (GAPI) | 150 | ABHV     | 0   | MEL1.5 (Ohm-m) | 40 |
| 6                                             | CALIPER (in)     | 16  | 10 (ft3) | 0 0 | MEL2.0 (Ohm-m) | 40 |
|                                               |                  |     | TBHV     |     |                |    |
|                                               |                  |     | 0 (ft3)  | 10  |                |    |





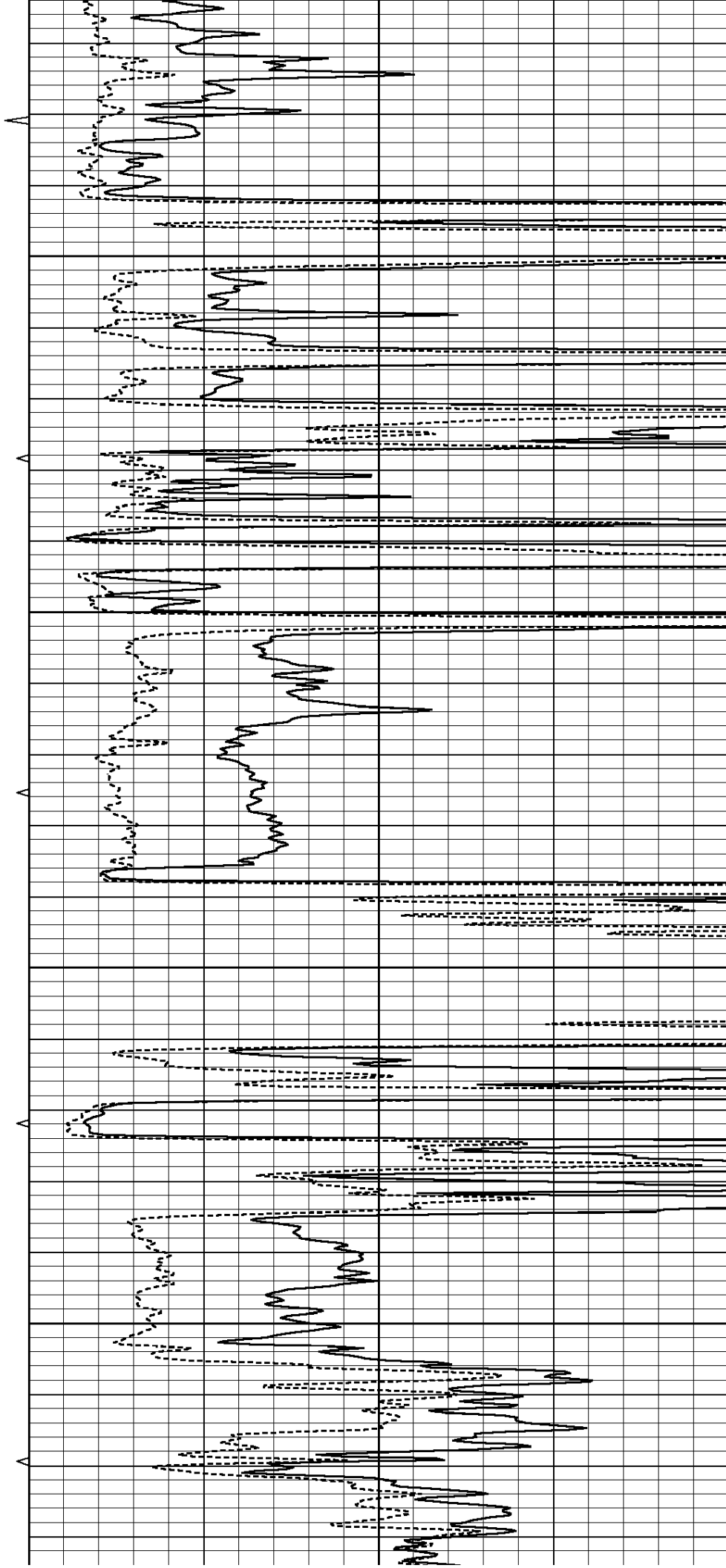


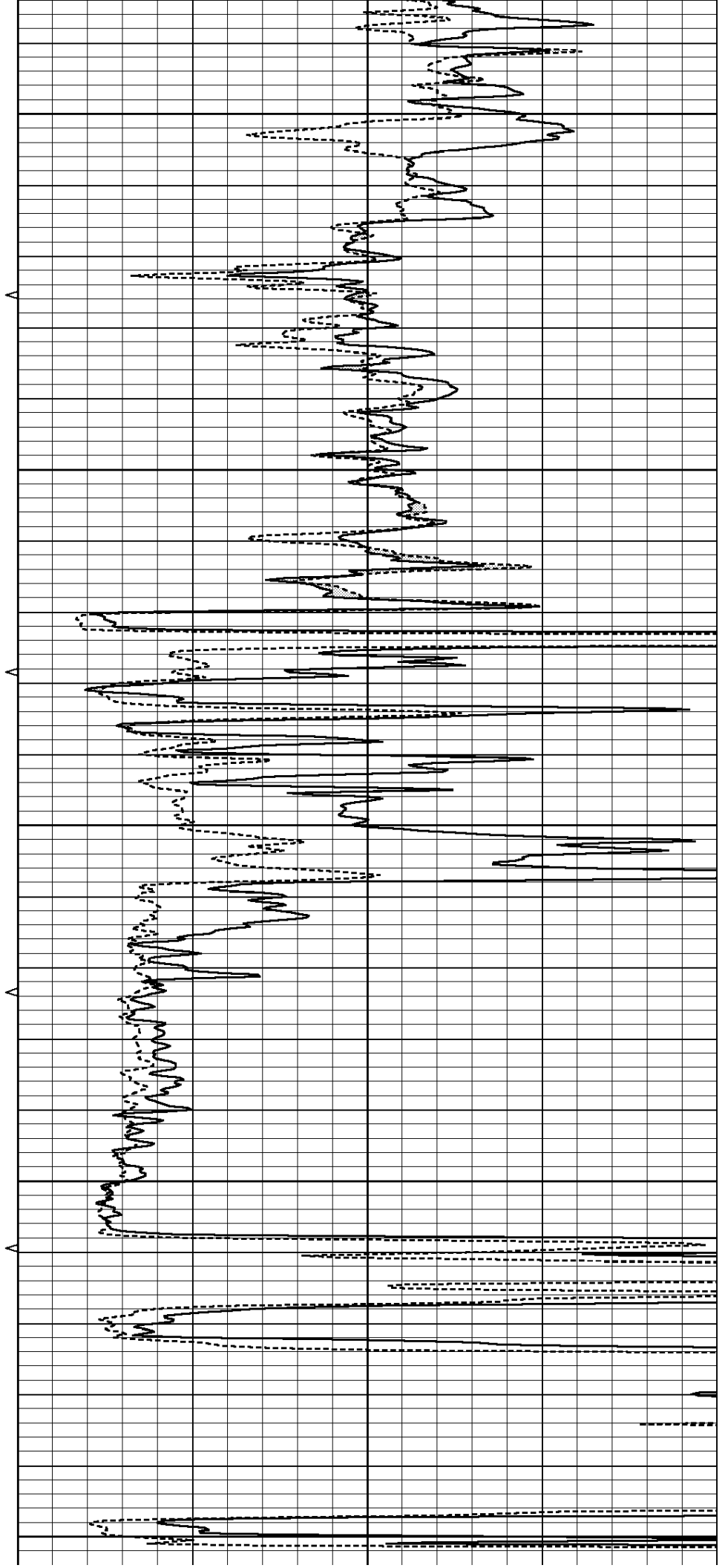
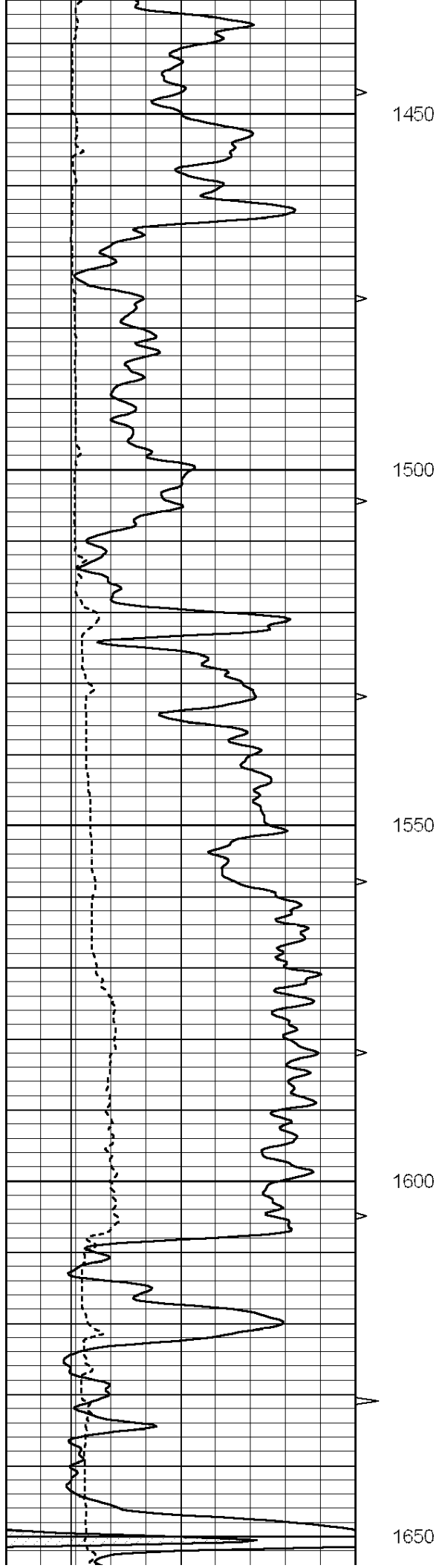
1250

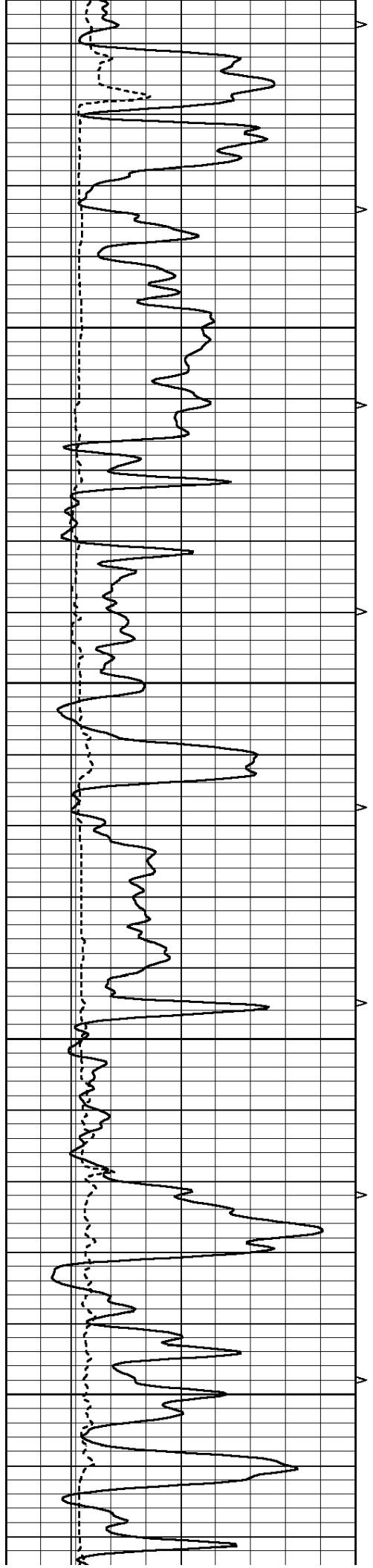
1300

1350

1400





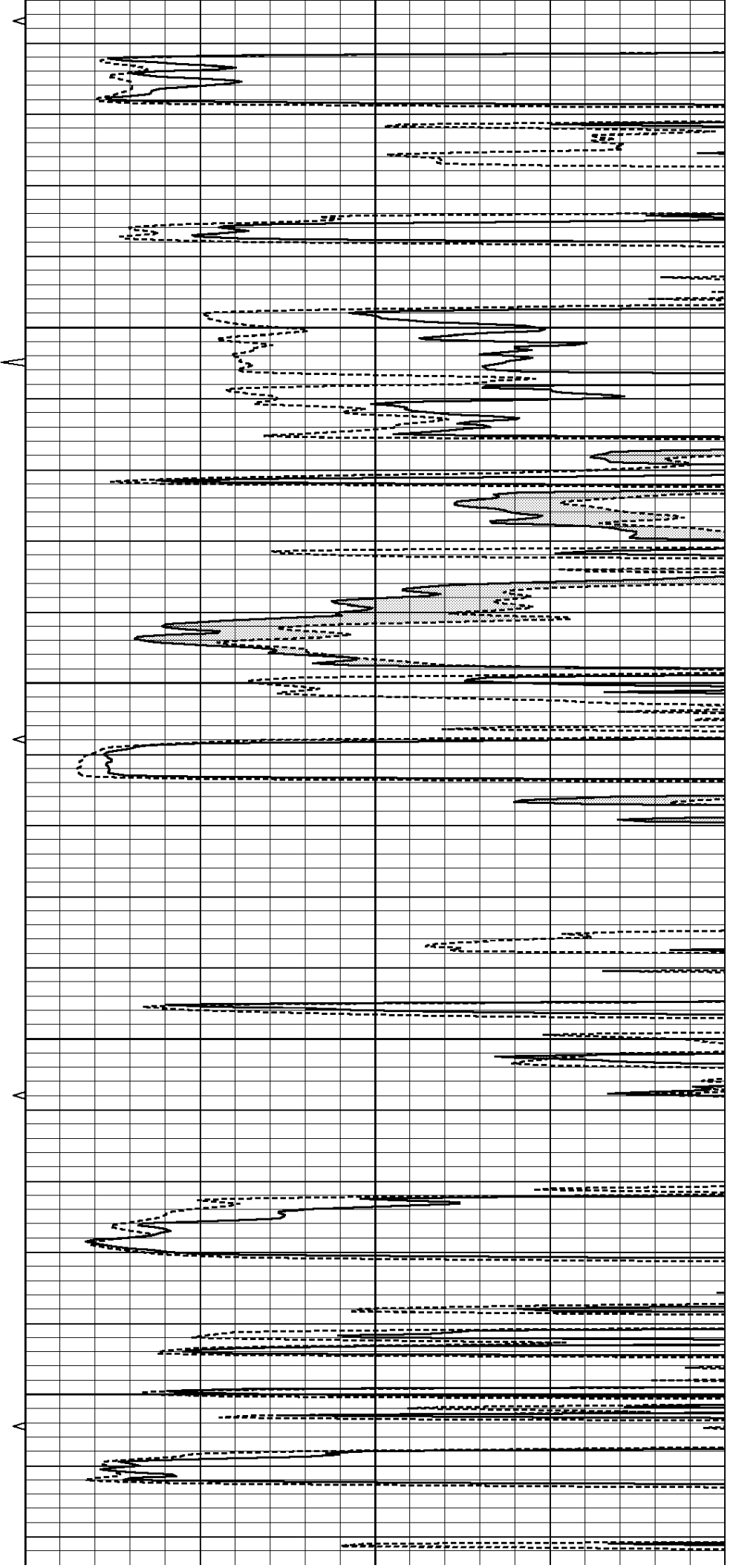


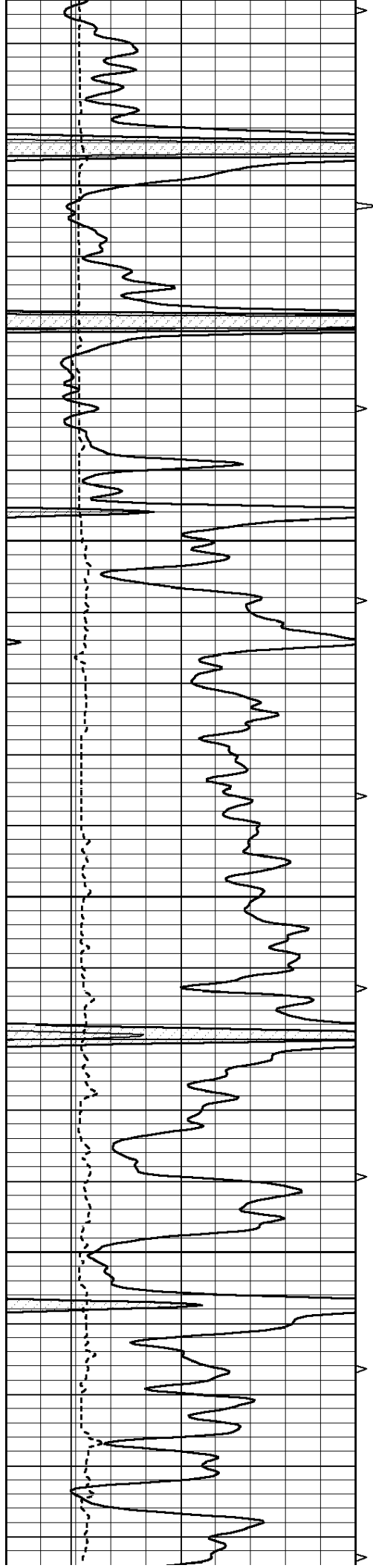
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1750

1800

1850



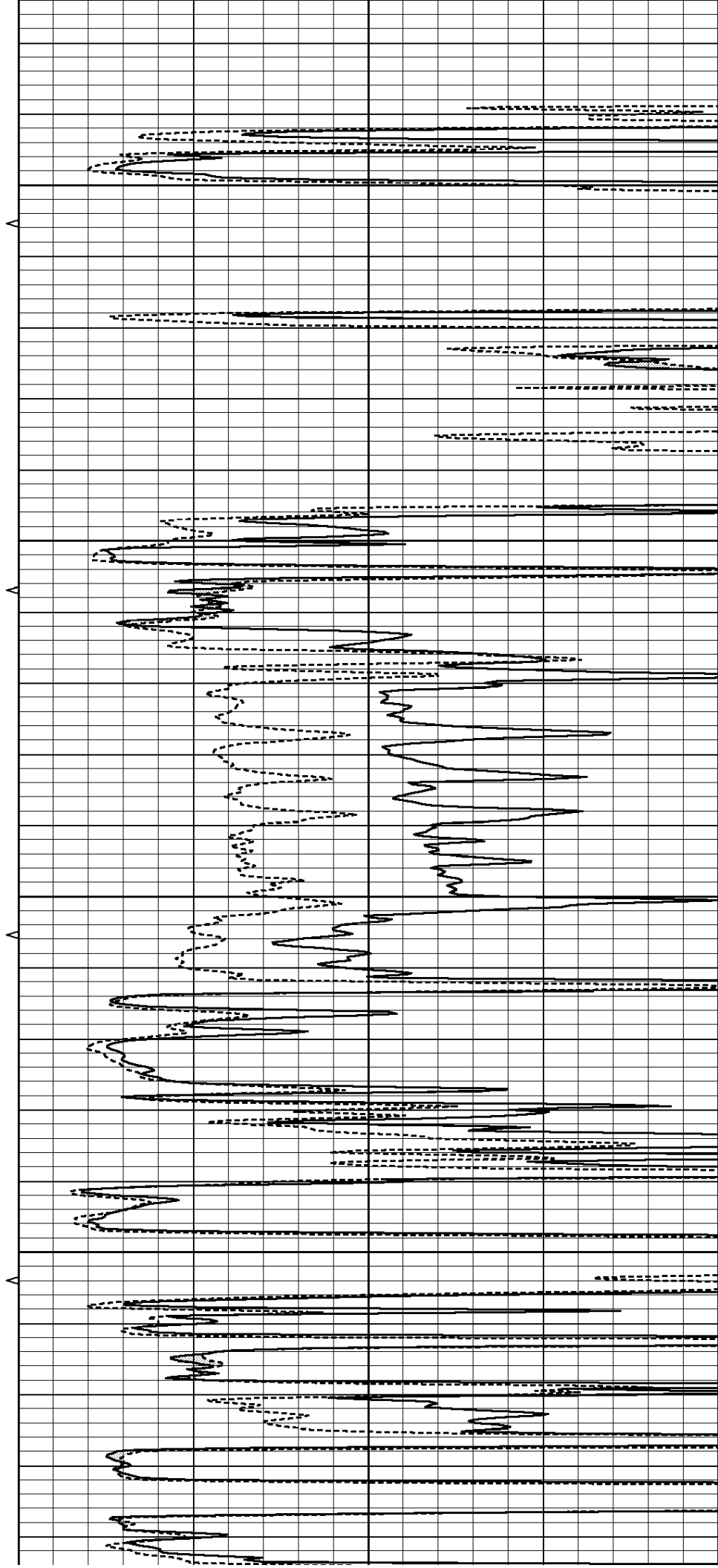


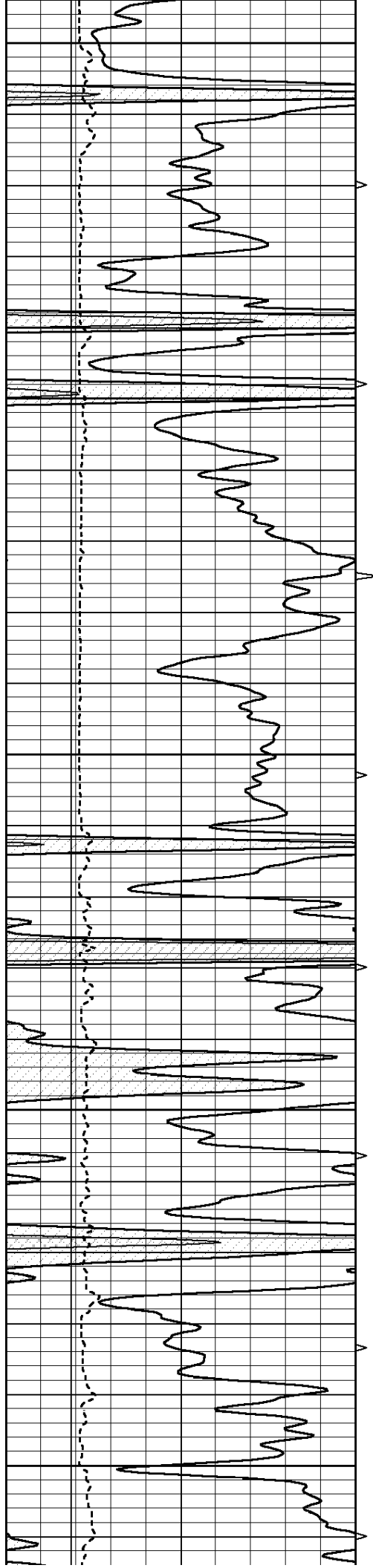
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1950

2000

2050





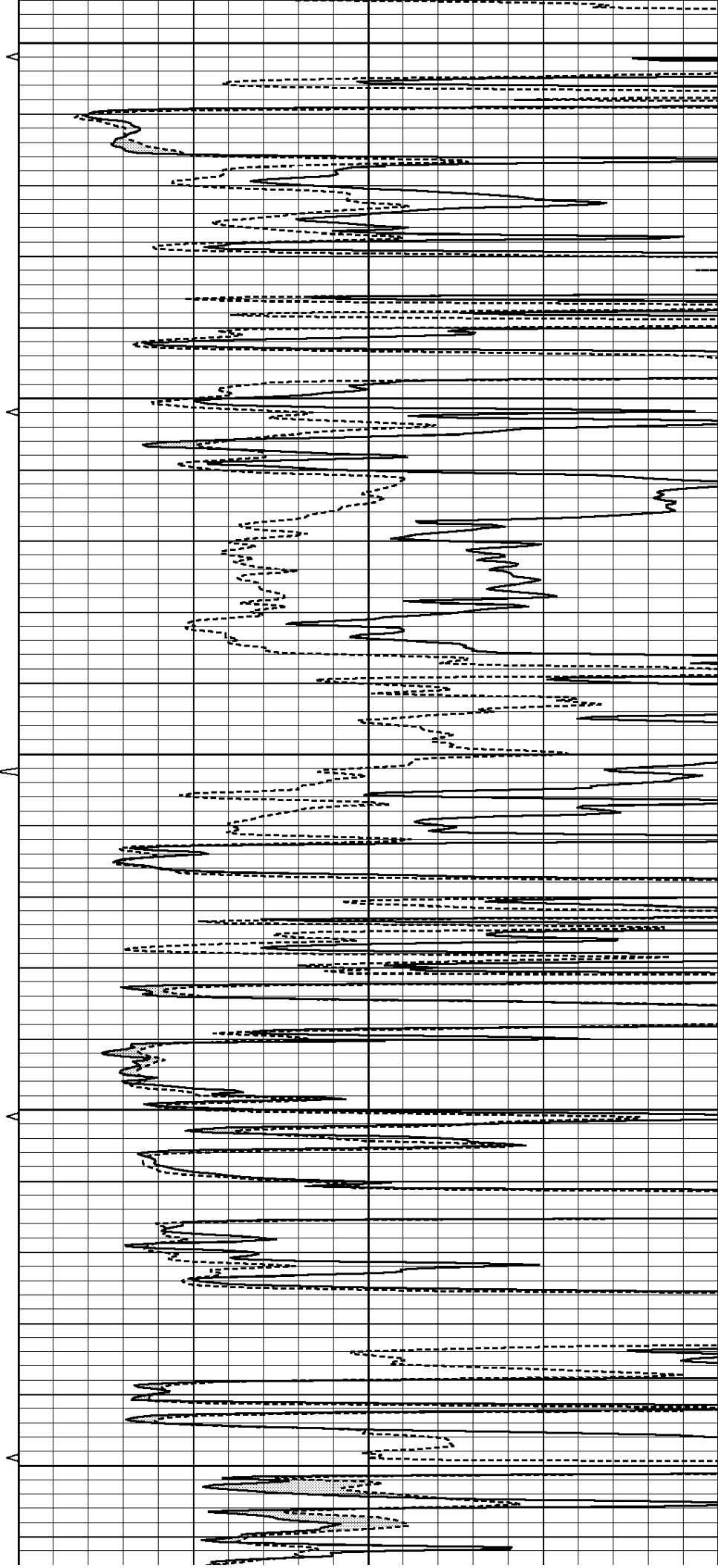
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2150

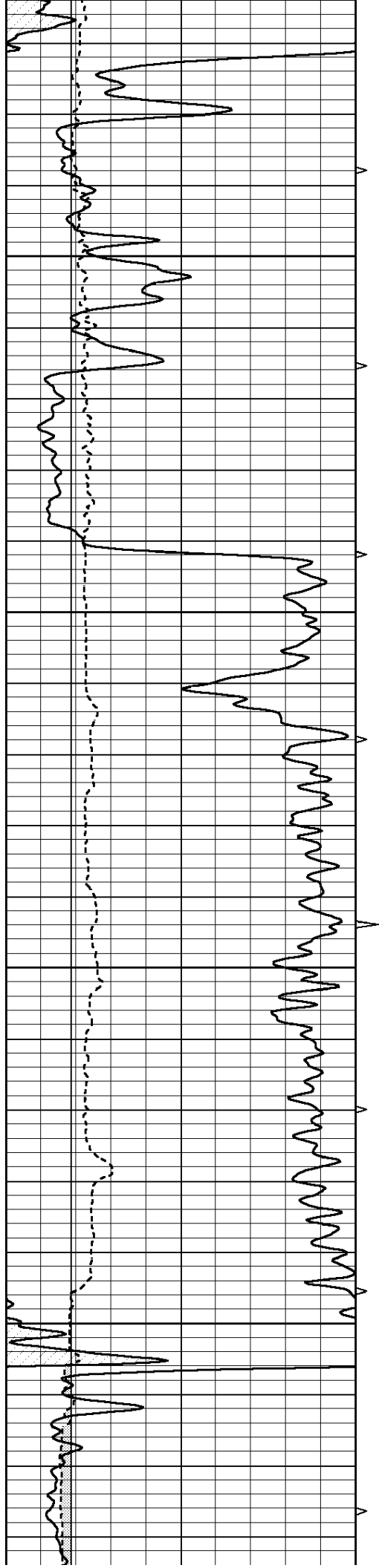
2200

2250

2300





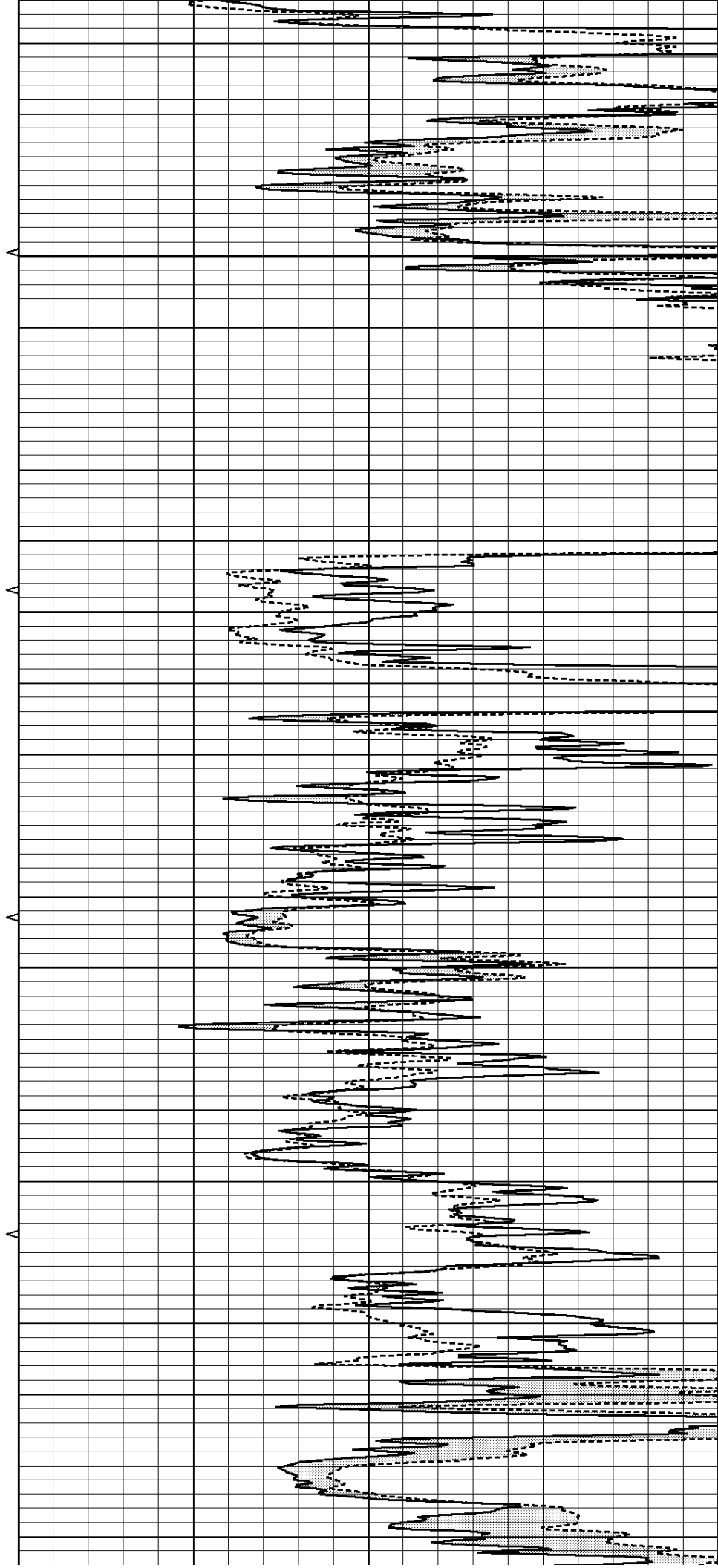


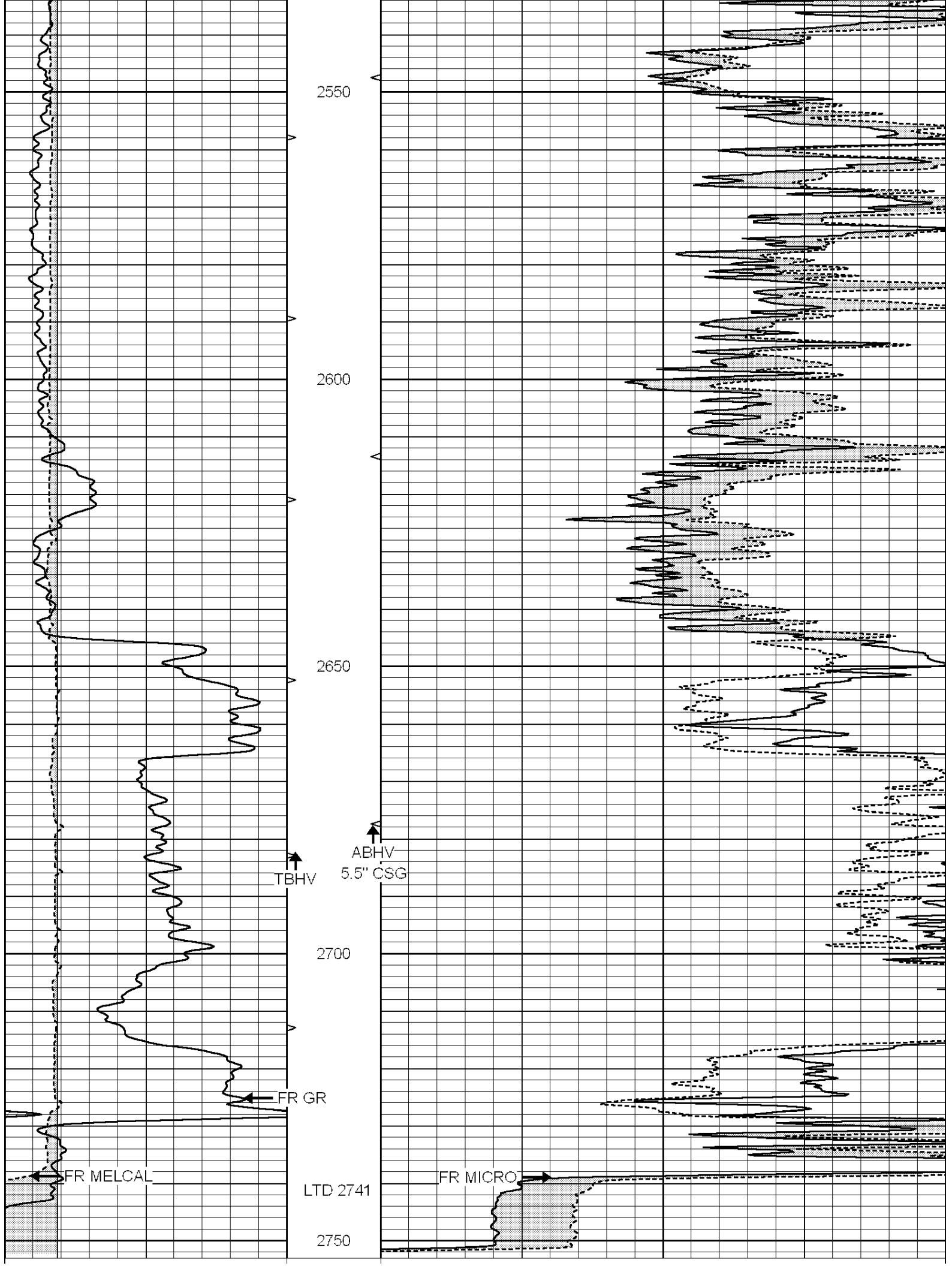
2350

2400

2450

2500





|   |                  |     |          |    |                |    |
|---|------------------|-----|----------|----|----------------|----|
| 0 | GAMMA RAY (GAPI) | 150 | ABHV     | 0  | MEL1.5 (Ohm-m) | 40 |
| 6 | CALIPER (in)     | 16  | 10 (ft3) | 0  | MEL2.0 (Ohm-m) | 40 |
|   |                  |     | TBHV     |    |                |    |
|   |                  |     | 0 (ft3)  | 10 |                |    |

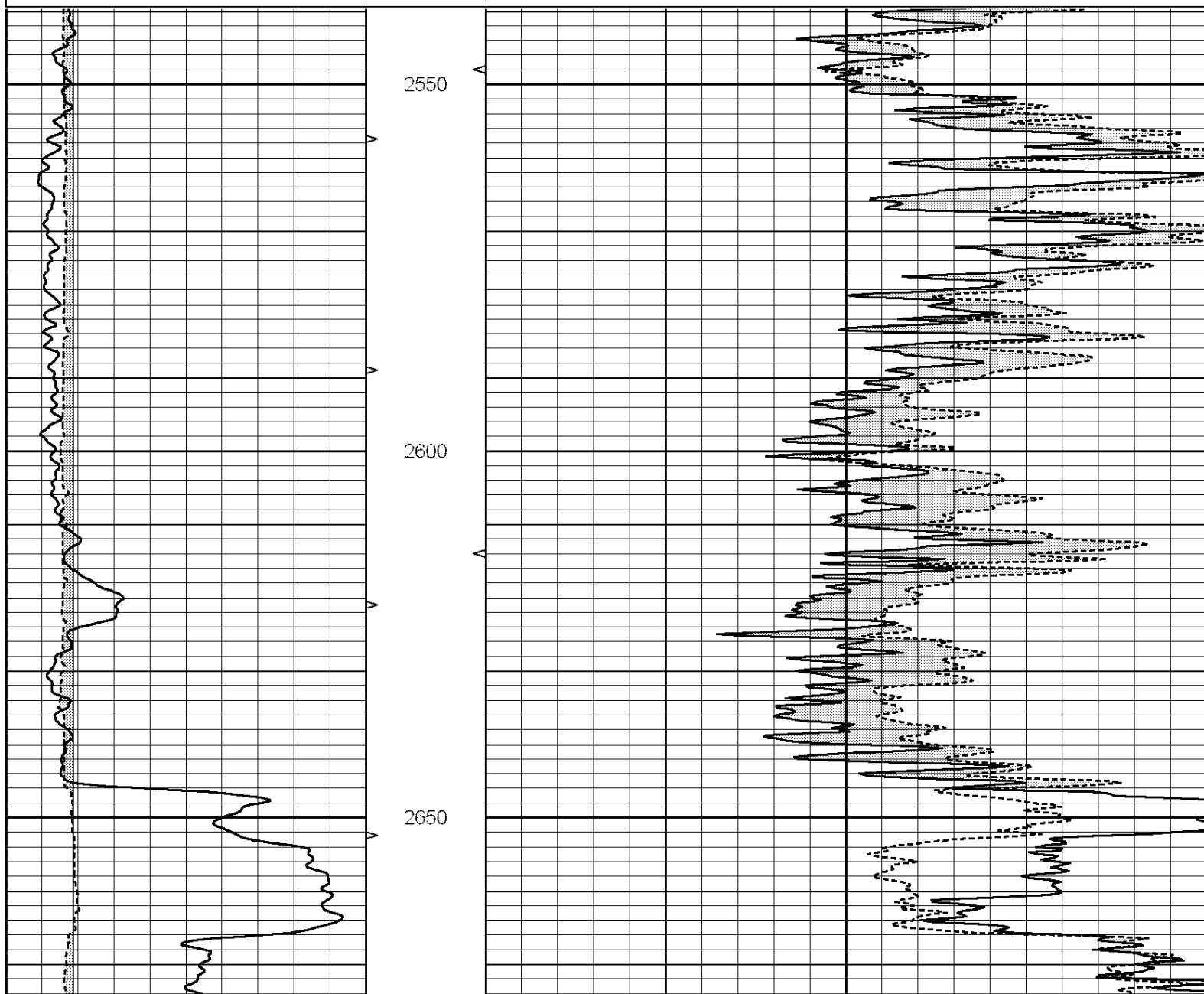


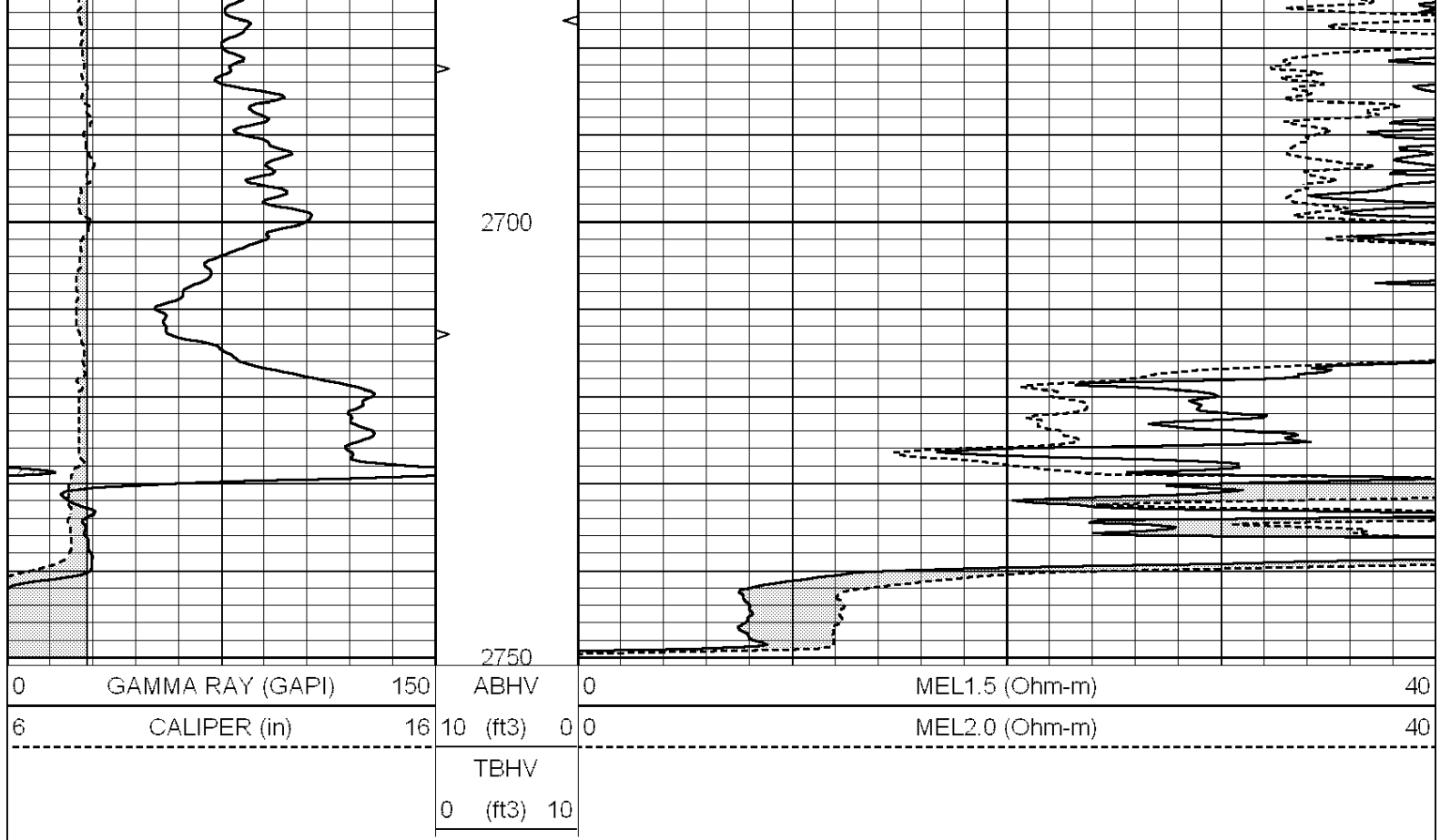
SUPERIOR  
Hays,  
Kansas

# REPEAT SECTION

Database File: 005146ddn.db  
Dataset Pathname: pass4.2  
Presentation Format: \_micro  
Dataset Creation: Thu Jun 17 06:41:49 2010 by Calc Open-Cased 090629  
Charted by: Depth in Feet scaled 1:240

|   |                  |     |          |    |                |    |
|---|------------------|-----|----------|----|----------------|----|
| 0 | GAMMA RAY (GAPI) | 150 | ABHV     | 0  | MEL1.5 (Ohm-m) | 40 |
| 6 | CALIPER (in)     | 16  | 10 (ft3) | 0  | MEL2.0 (Ohm-m) | 40 |
|   |                  |     | TBHV     |    |                |    |
|   |                  |     | 0 (ft3)  | 10 |                |    |





### Calibration Report

Database File: 005146ddn.db  
 Dataset Pathname: pass5.1  
 Dataset Creation: Thu Jun 17 06:39:34 2010 by Calc Open-Cased 090629

### MICRO Calibration Report

|                      |                          |               |
|----------------------|--------------------------|---------------|
| Serial Number:       | MICRO3                   |               |
| Tool Model:          | PROBE                    |               |
| Performed:           | Thu Jun 17 05:48:35 2010 |               |
| Caliper Calibration: | Gain=2.969               | Offset=-3.305 |
| References           | Low Cal                  | High Cal      |
| Readings             | 8.375                    | 13.250        |
|                      | 3.395                    | 5.037         |
| 1.5" Calibration:    | Gain=291.940             | Offset=-3.025 |
| References           | Low Cal                  | High Cal      |
| Readings             | 0.000                    | 20.000        |
|                      | 0.006                    | 0.223         |
| 2" Calibration:      | Gain=290.050             | Offset=-3.299 |
| References           | Low Cal                  | High Cal      |
| Readings             | 0.000                    | 20.000        |
|                      | 0.009                    | 0.177         |

### Gamma Ray Calibration Report

|                   |                          |      |
|-------------------|--------------------------|------|
| Serial Number:    | GR6                      |      |
| Tool Model:       | OPEN                     |      |
| Performed:        | Tue Nov 10 08:32:36 2009 |      |
| Calibrator Value: | 150.0                    | GAPI |

|                     |        |          |
|---------------------|--------|----------|
| Background Reading: | 0.0    | cps      |
| Calibrator Reading: | 276.0  | cps      |
| Sensitivity:        | 0.5535 | GAPI/cps |