



**SUPERIOR  
Hays,  
Kansas**

**DUAL  
INDUCTION  
LOG**

|                              |                           |                     |                                         |
|------------------------------|---------------------------|---------------------|-----------------------------------------|
| Company                      | VINCENT OIL CORPORATION   |                     |                                         |
| Well                         | FRINK-REYNOLDS #1-33      |                     |                                         |
| Field                        |                           |                     |                                         |
| County                       | FORD                      | State               | KANSAS                                  |
| Location:                    | API # : 15-057-20663-0000 |                     | Other Services<br>CDL/CNL/PE<br>MEL/SON |
| 2660 FNL & 2310' FEL         |                           |                     |                                         |
| SEC 33 TWP 28S RGE 23W       |                           | Elevation           |                                         |
| Permanent Datum              | GROUND LEVEL              | Elevation           | 2477                                    |
| Log Measured From            | KELLY BUSHING 12' A.G.L.  |                     |                                         |
| Drilling Measured From       | KELLY BUSHING             |                     |                                         |
| Date                         | 1/27/10                   |                     |                                         |
| Run Number                   | CNE                       |                     |                                         |
| Depth Driller                | 5670                      |                     |                                         |
| Depth Logger                 | 5671                      |                     |                                         |
| Bottom Logged Interval       | 5669                      |                     |                                         |
| Top Log Interval             | 4100                      |                     |                                         |
| Casing Driller               | 8 5/8" @ 606              |                     |                                         |
| Casing Logger                | 602                       |                     |                                         |
| Bit Size                     | 7 7/8                     |                     |                                         |
| Type Fluid in Hole           | CHEMICAL MUD              | CHLORIDES 11600 PPM |                                         |
| Density / Viscosity          | 9.5/61                    |                     |                                         |
| pH / Fluid Loss              | 10.5/13.2                 |                     |                                         |
| Source of Sample             | FLOWLINE                  |                     |                                         |
| Rm @ Meas. Temp              | 0.52 @ 63F                |                     |                                         |
| Rmf @ Meas. Temp             | 0.39 @ 63F                |                     |                                         |
| Rmc @ Meas. Temp             | 0.62 @ 63F                |                     |                                         |
| Source of Rmf / Rmc          | MEASURED                  |                     |                                         |
| Rm @ BHT                     | 0.25 @ 131F               |                     |                                         |
| Time Circulation Stopped     | 2 HOURS                   |                     |                                         |
| Time Logger on Bottom        |                           |                     |                                         |
| Maximum Recorded Temperature | 131F                      |                     |                                         |
| Equipment Number             | 680                       |                     |                                         |
| Location                     | HAYS, KS.                 |                     |                                         |
| Recorded By                  | JEFF GRONEWEG             |                     |                                         |
| Witnessed By                 | KEN LEBLANC               |                     |                                         |

<<< 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  
FORD, KS - SOUTH ON RD 125 TO WILBURN RD - 5 MILES WEST TO RD 120  
1/2 MILE NORTH - EAST INTO

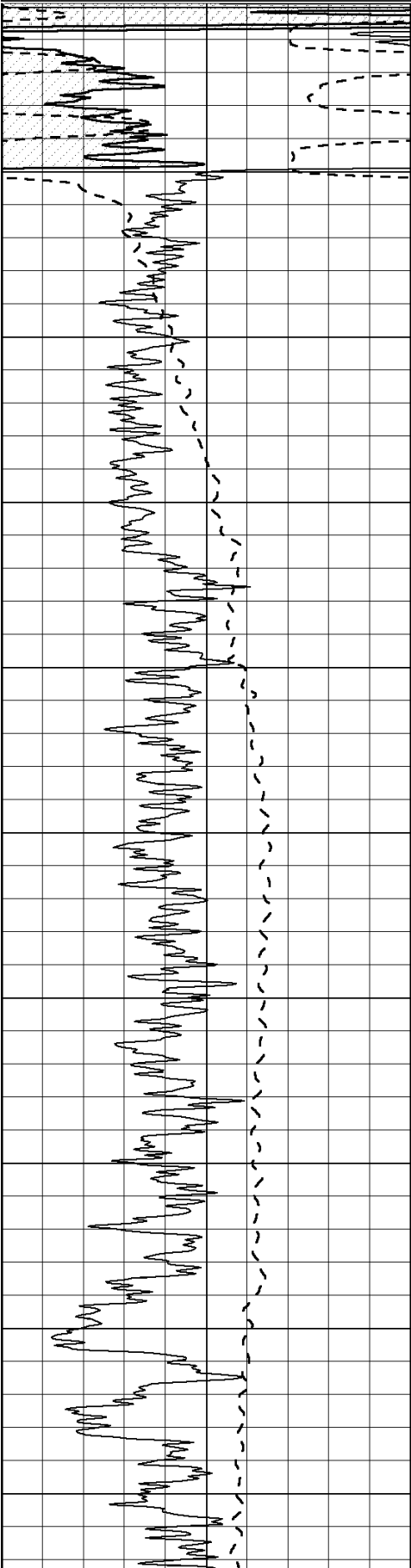
Charted by:

Depth in Feet scaled 1:600

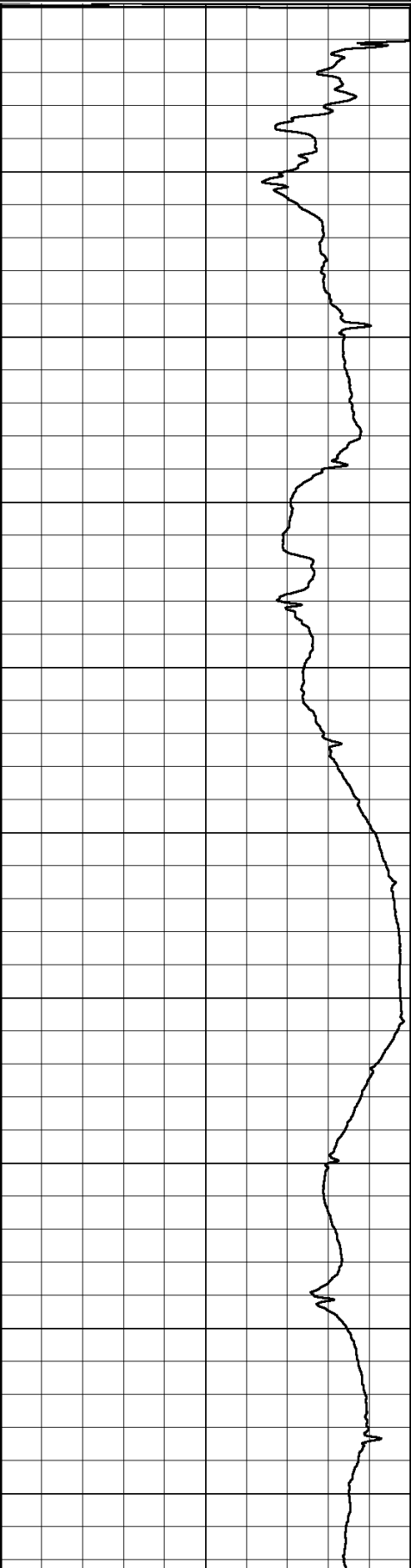
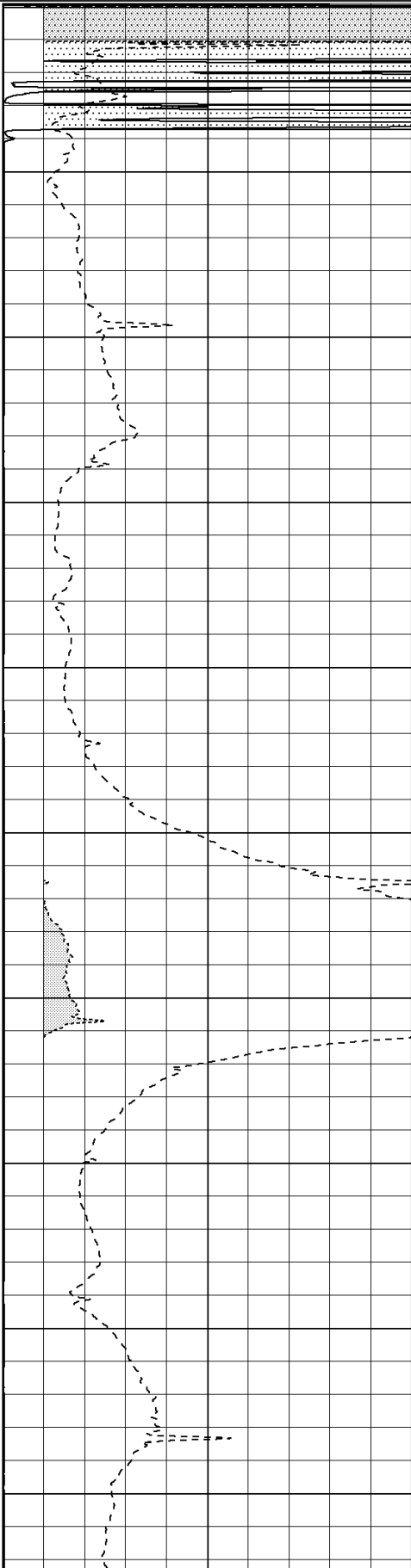
|      |                  |     |
|------|------------------|-----|
| 0    | Gamma Ray (GAPI) | 150 |
| -100 | SP (mV)          | 100 |

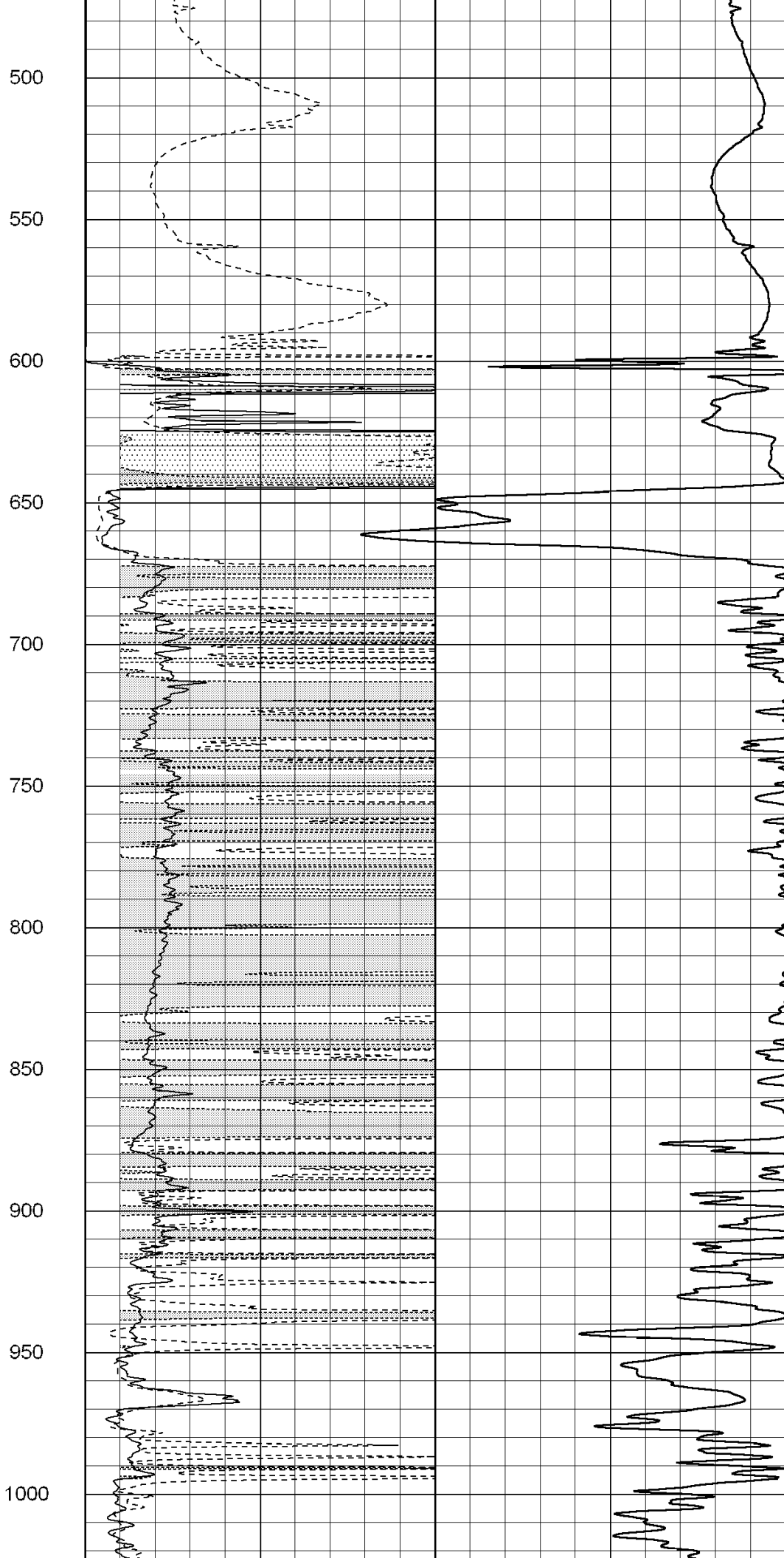
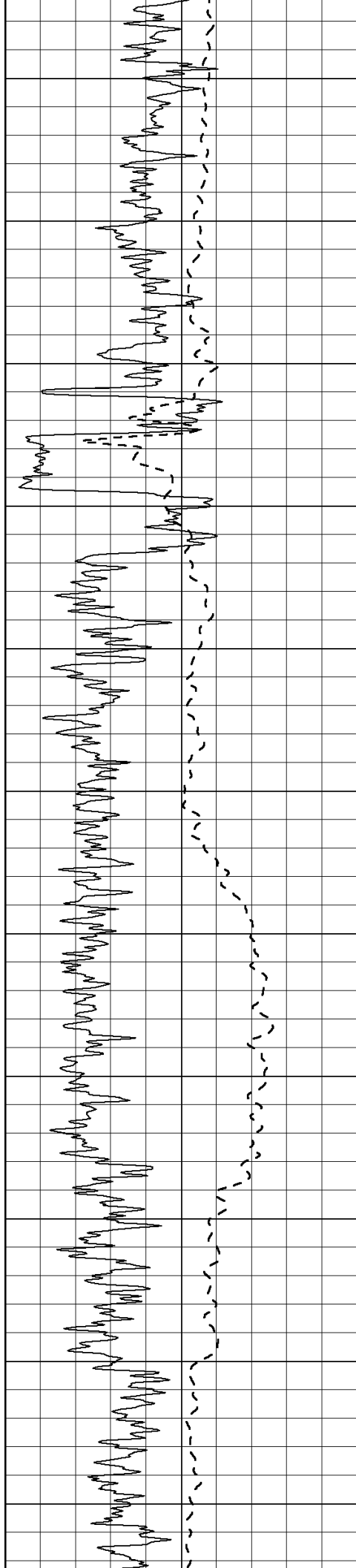
|   |                        |    |
|---|------------------------|----|
| 0 | RLL3 (Ohm-m)           | 50 |
| 0 | Deep Induction (Ohm-m) | 50 |

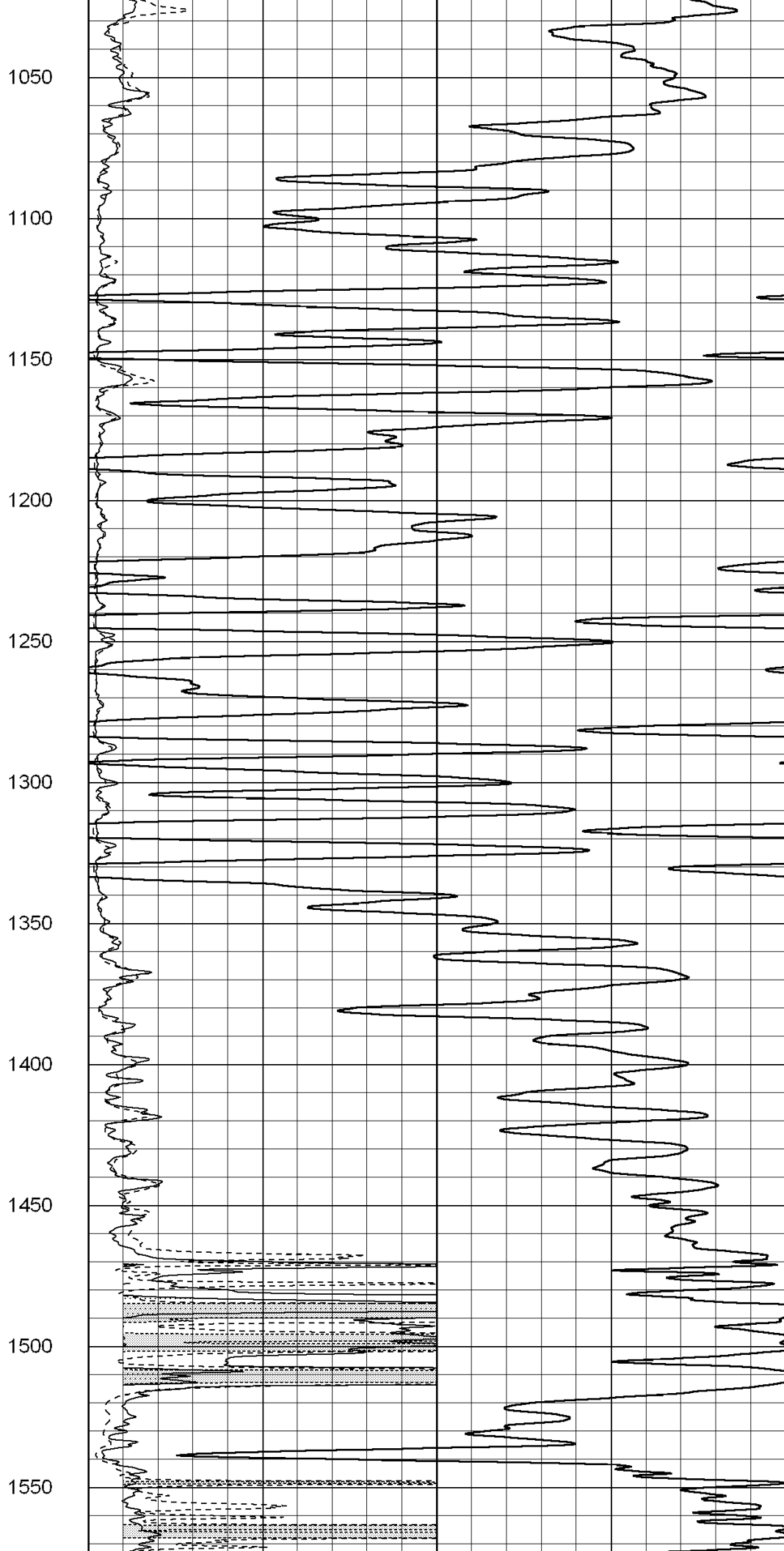
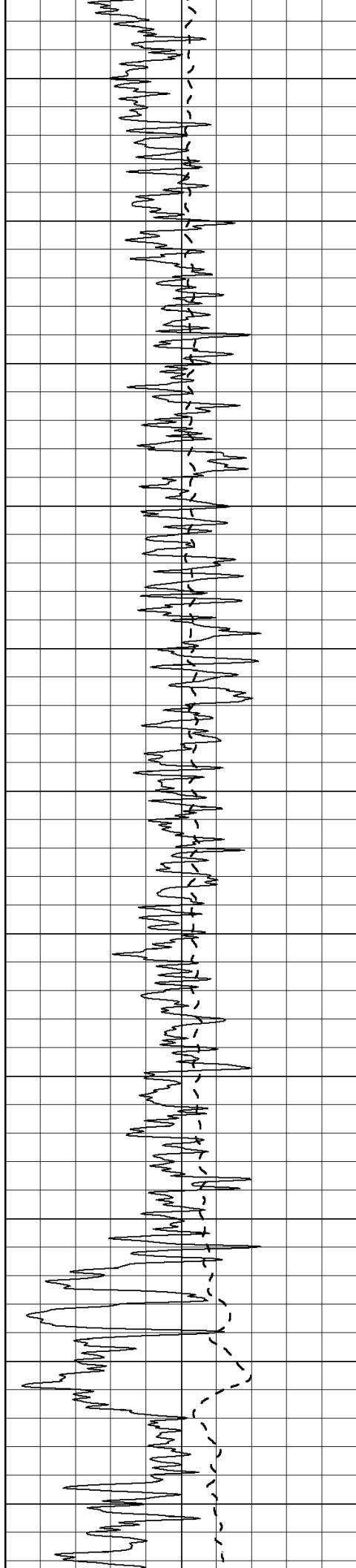
|      |                  |     |
|------|------------------|-----|
| 1000 | CILD (mmho/m)    | 0   |
| 50   | RILD X10 (Ohm-m) | 500 |
| 50   | RLL3 X10 (Ohm-m) | 500 |

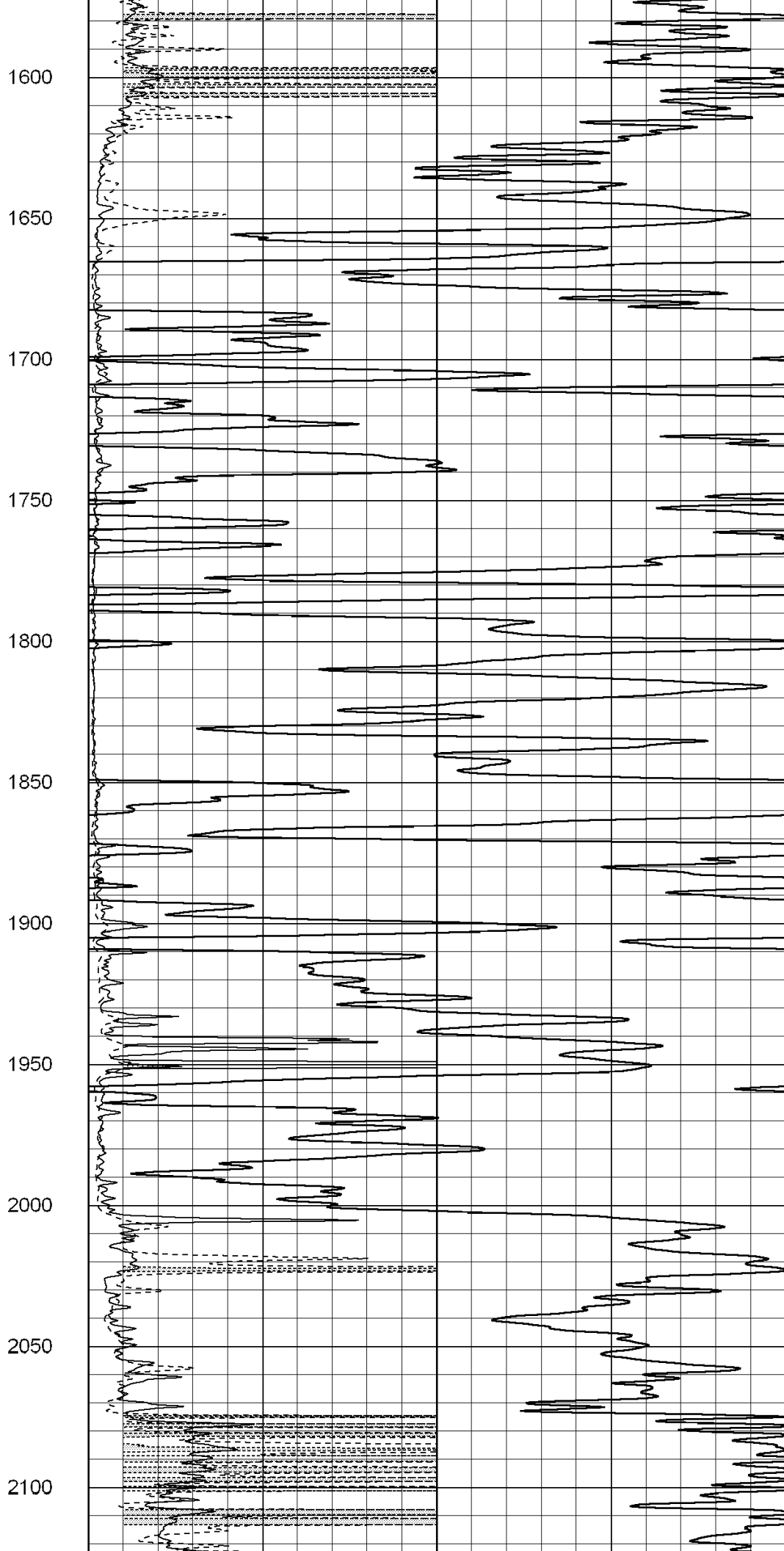
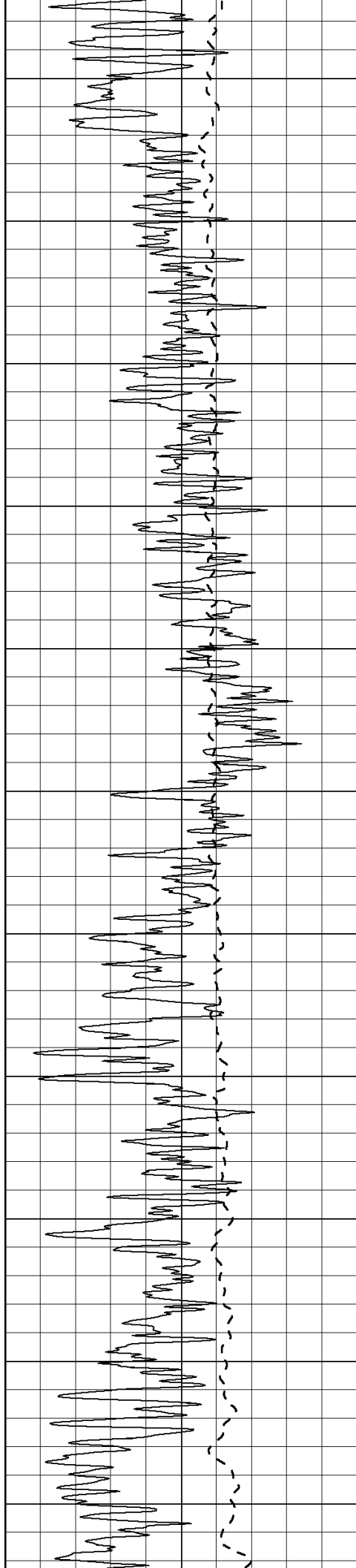


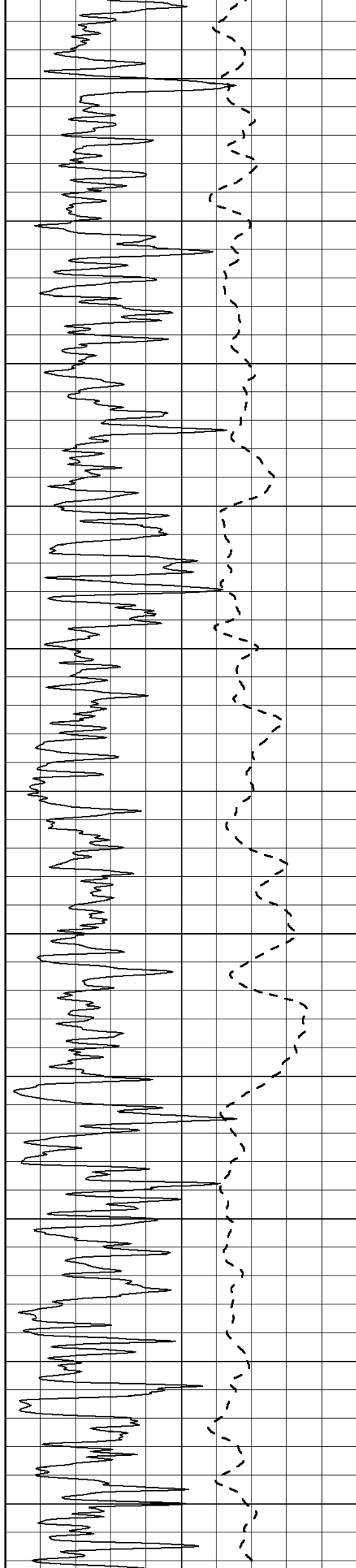
0  
50  
100  
150  
200  
250  
300  
350  
400  
450











2150

2200

2250

2300

2350

2400

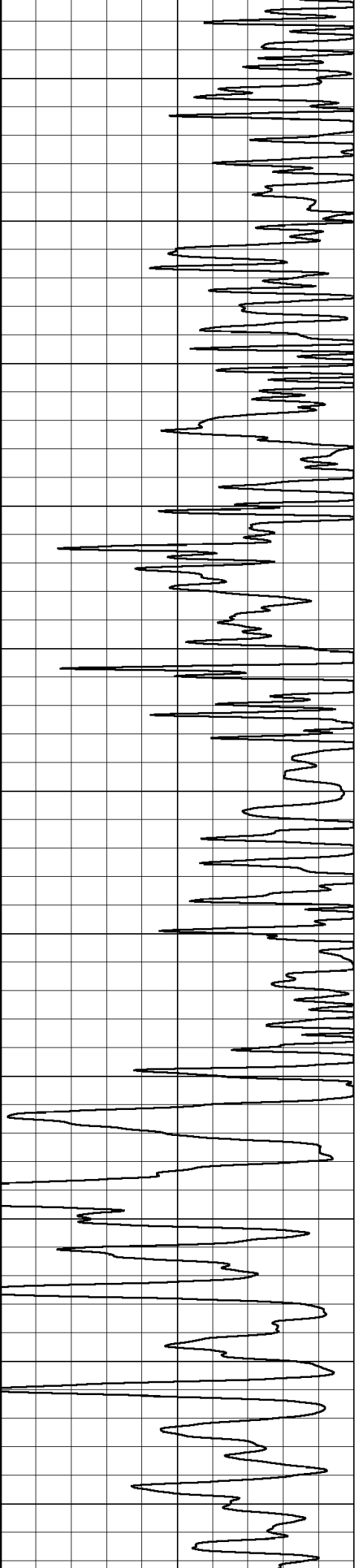
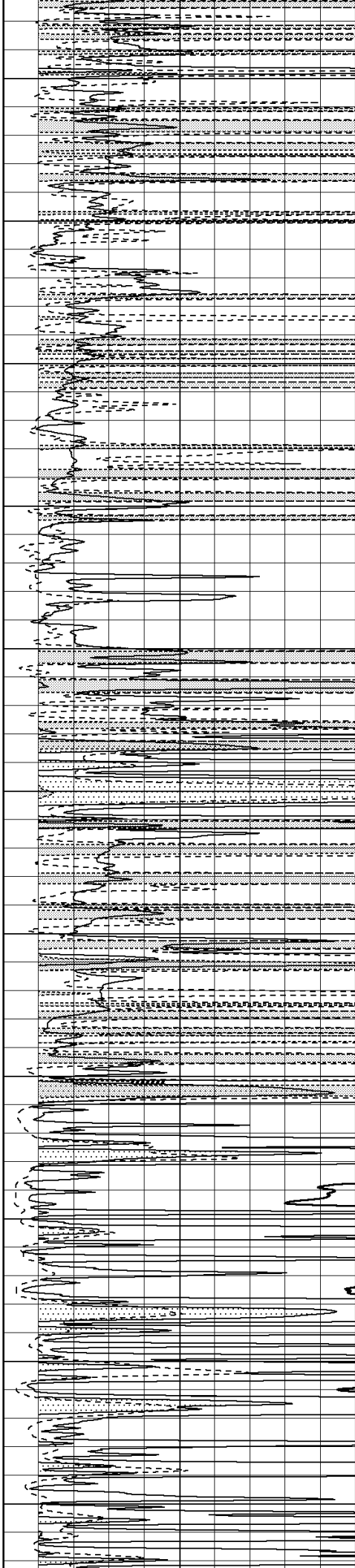
2450

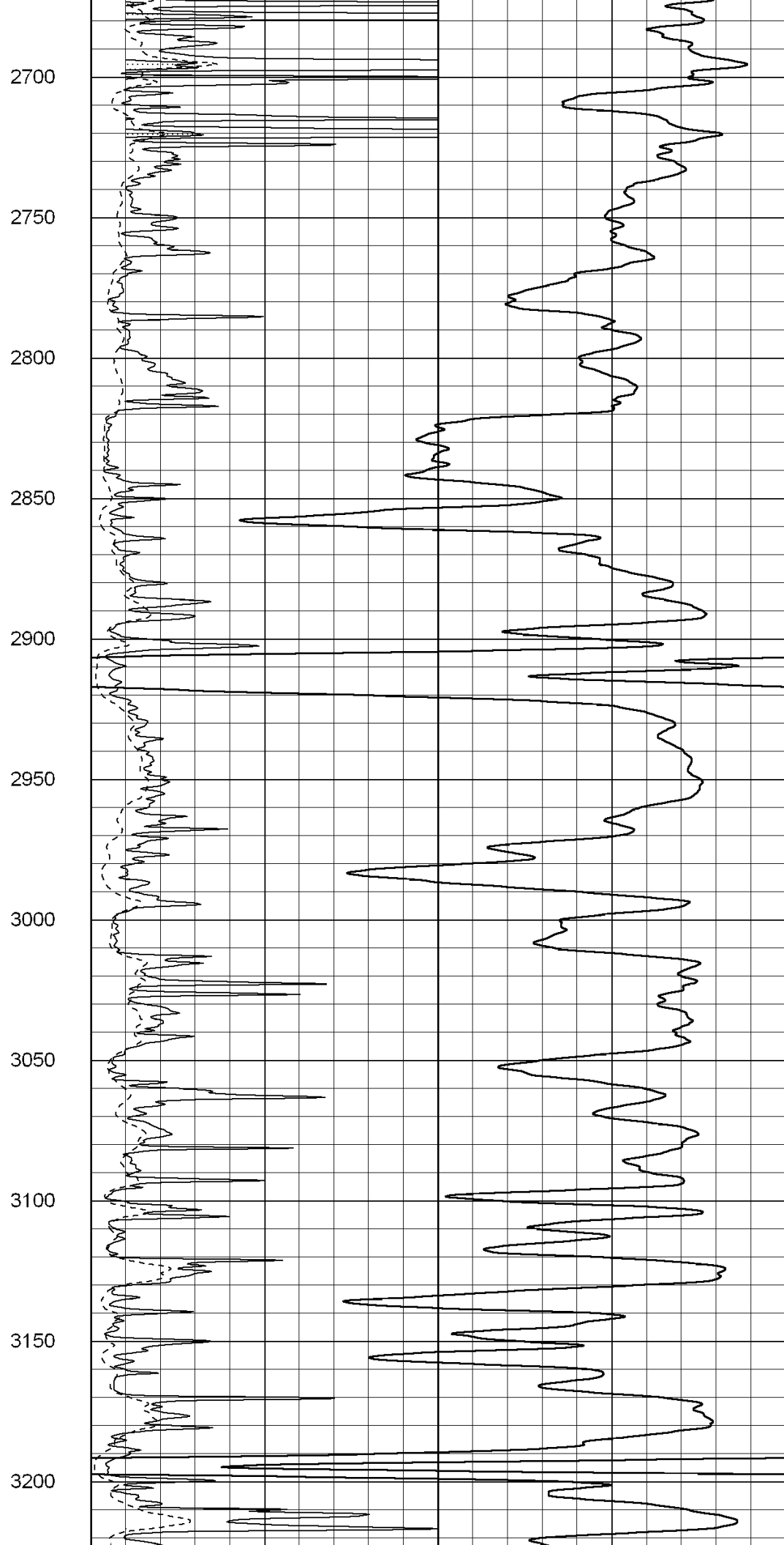
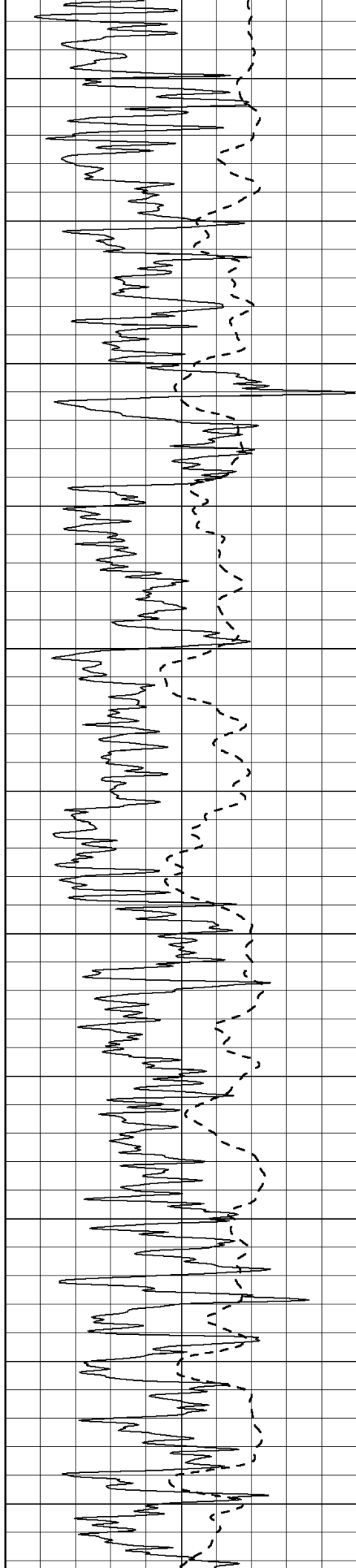
2500

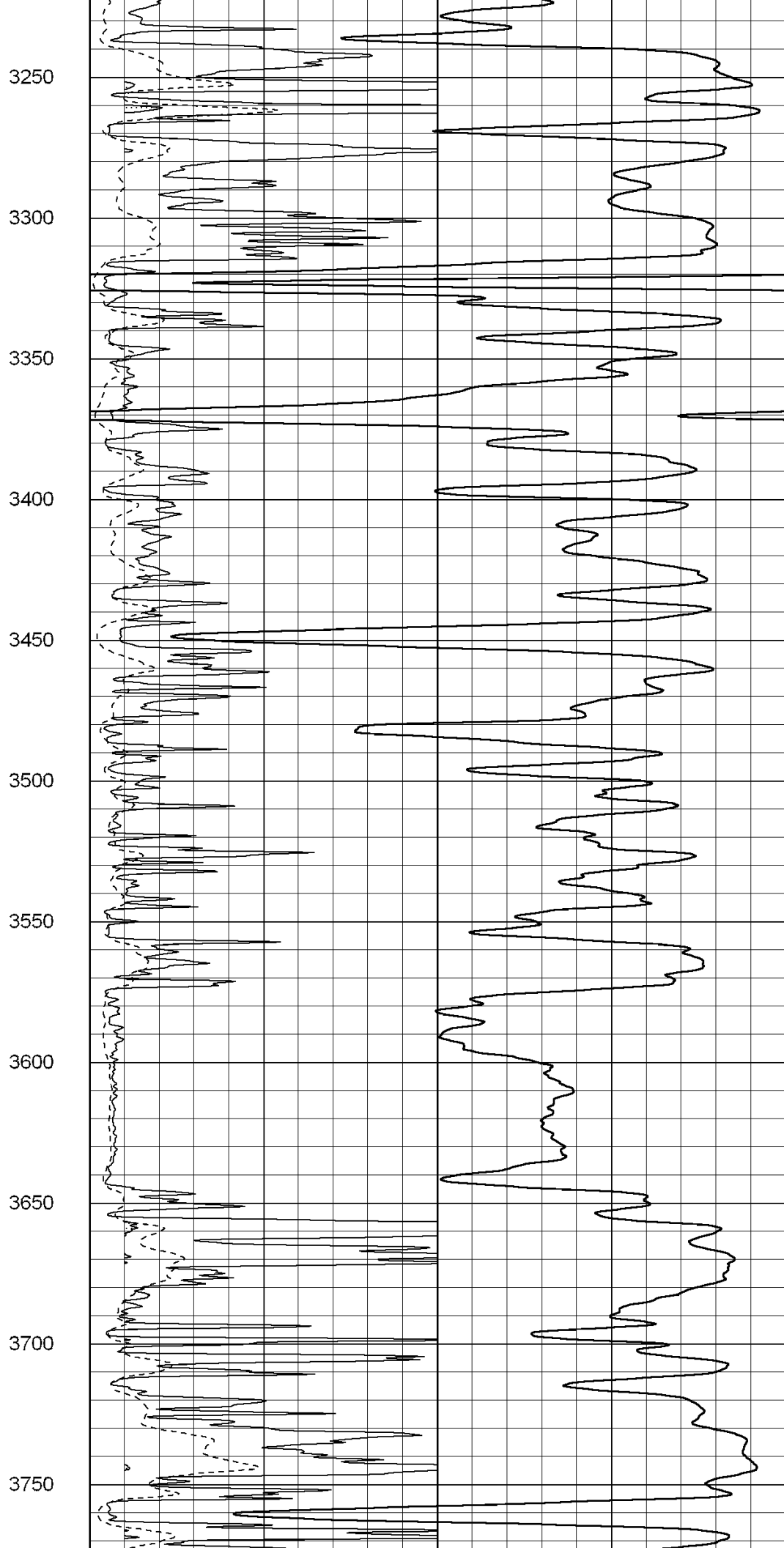
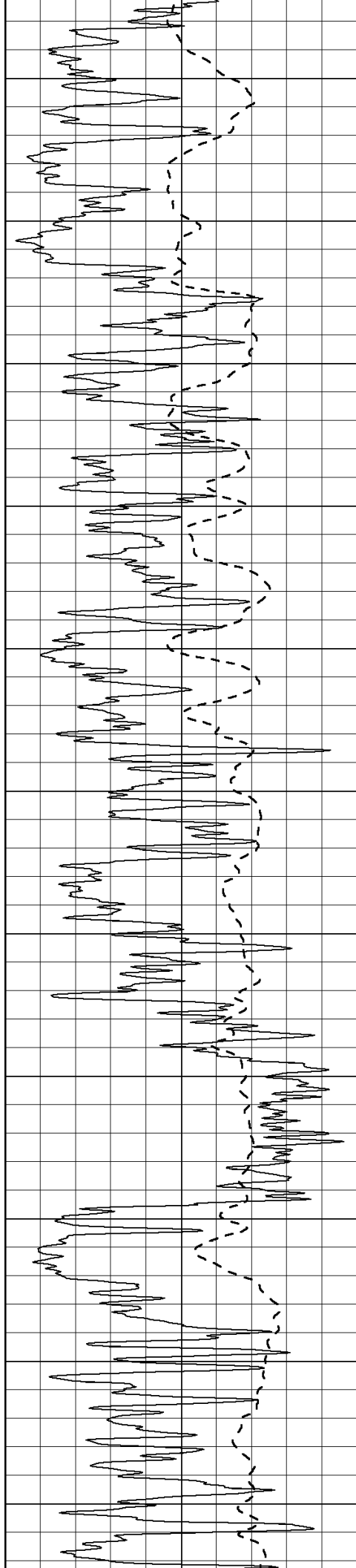
2550

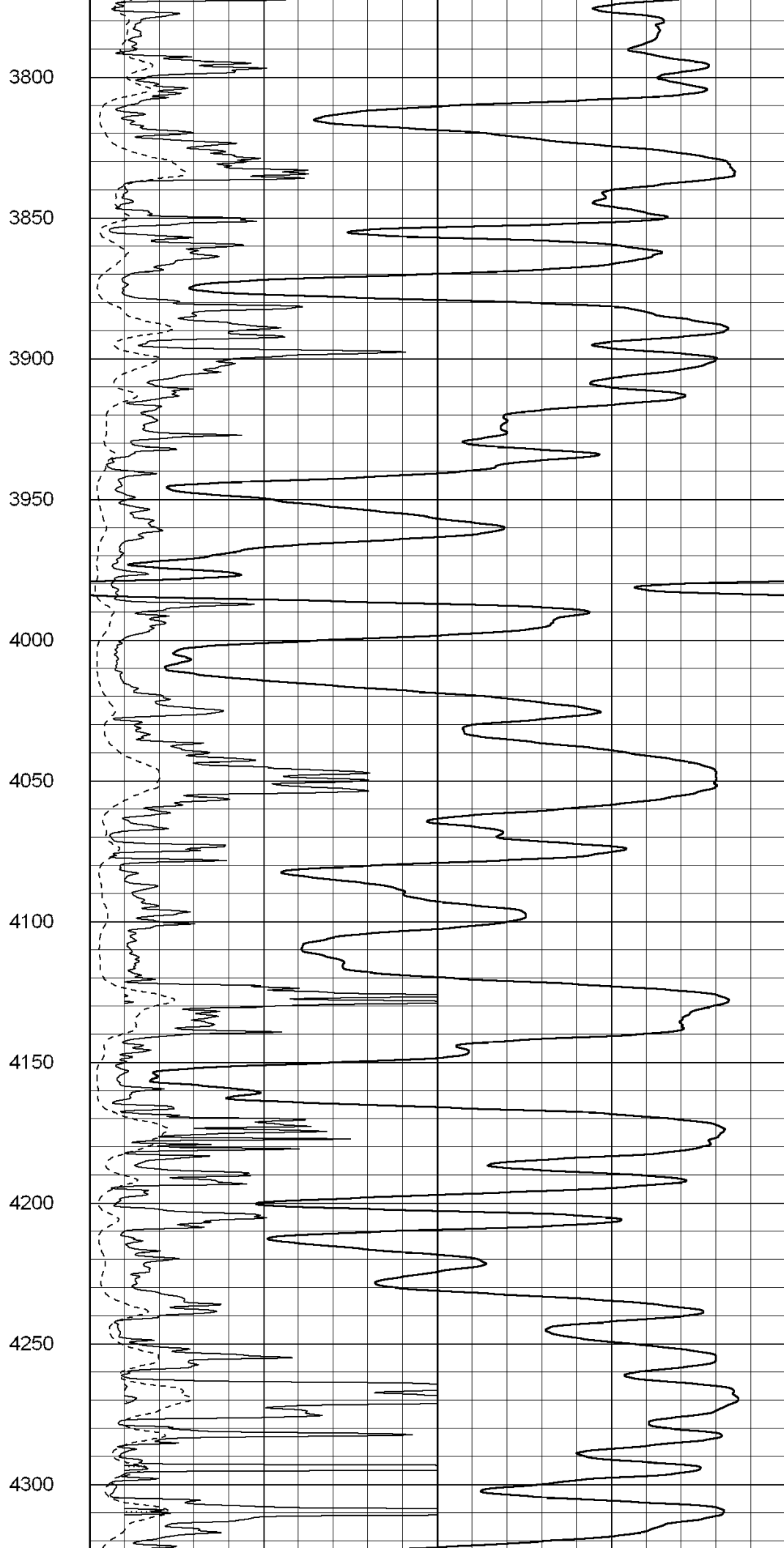
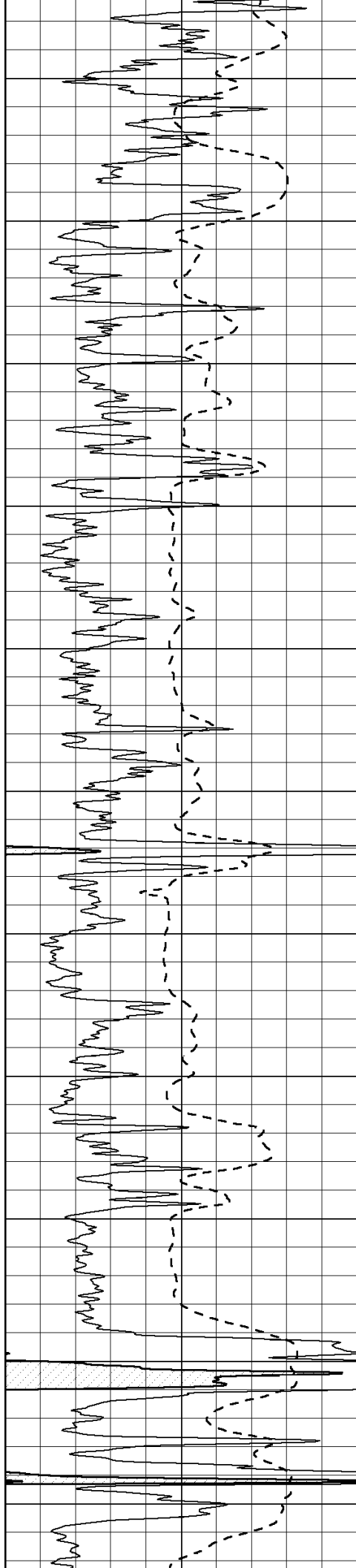
2600

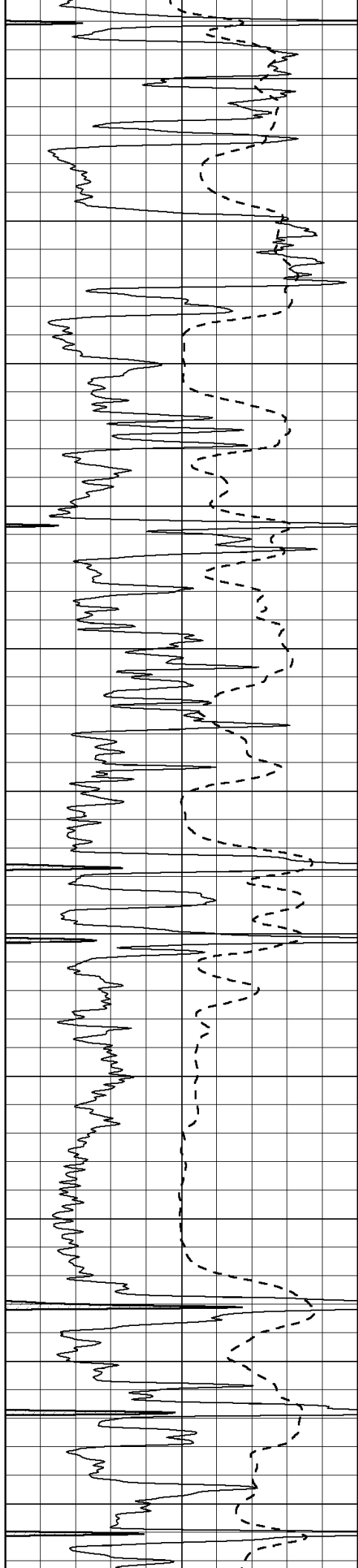
2650











4350

4400

4450

4500

4550

4600

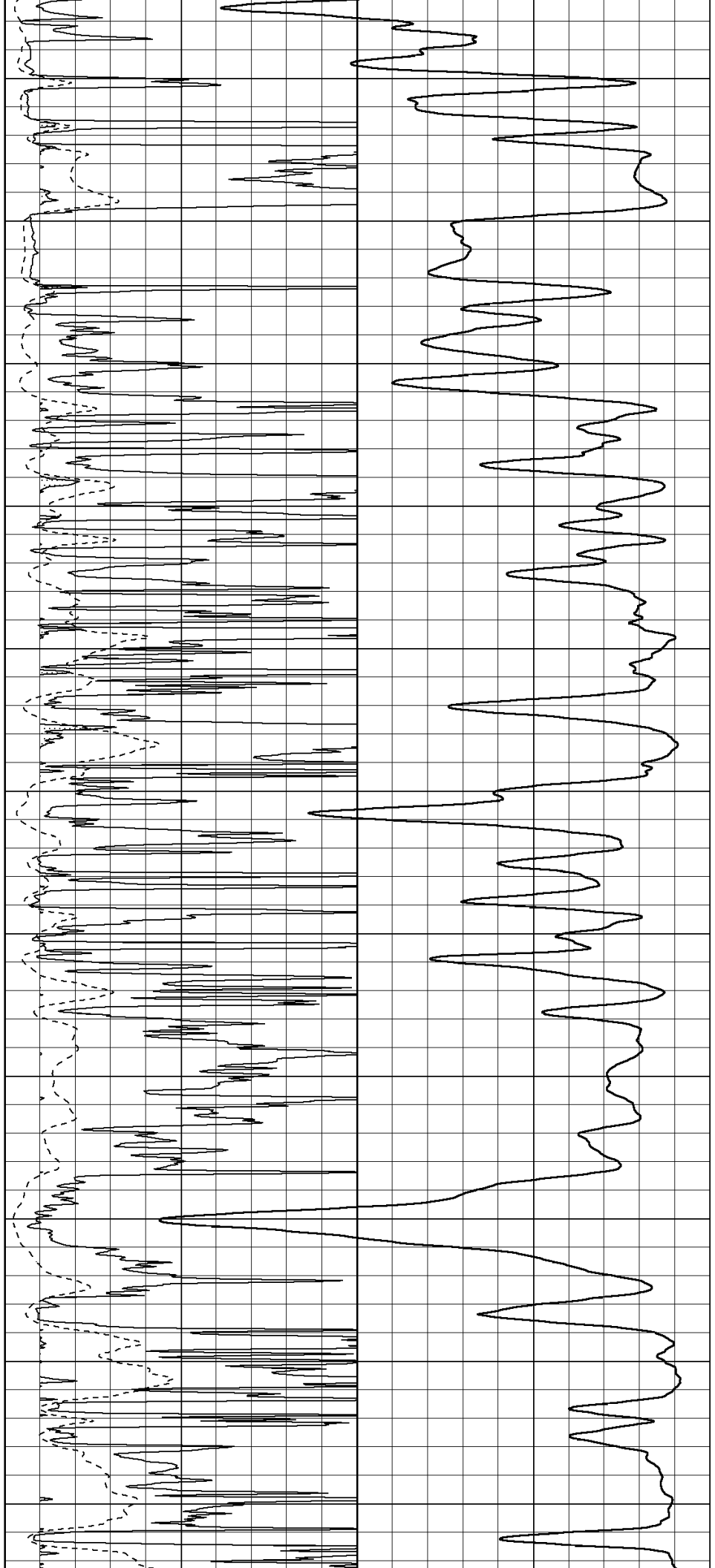
4650

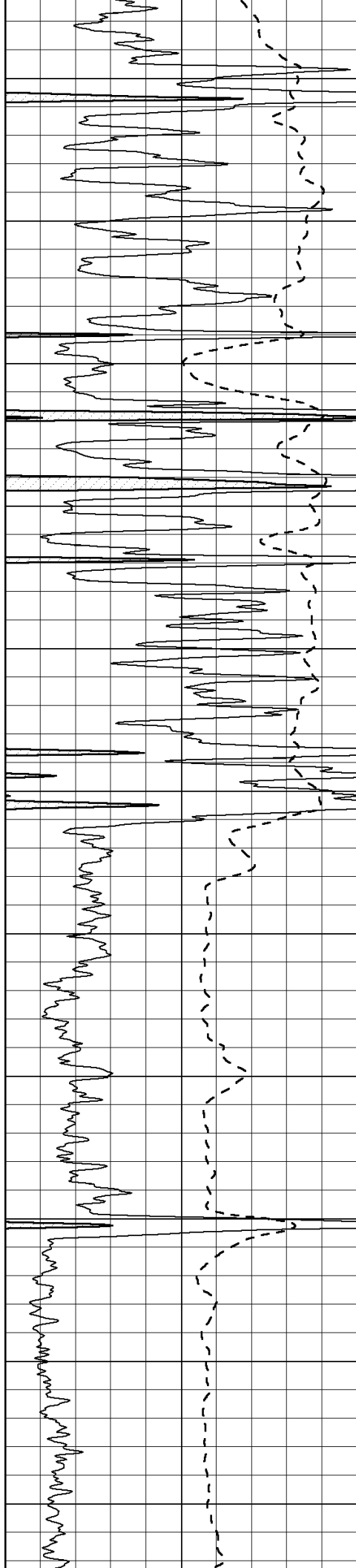
4700

4750

4800

4850





4900

4950

5000

5050

5100

5150

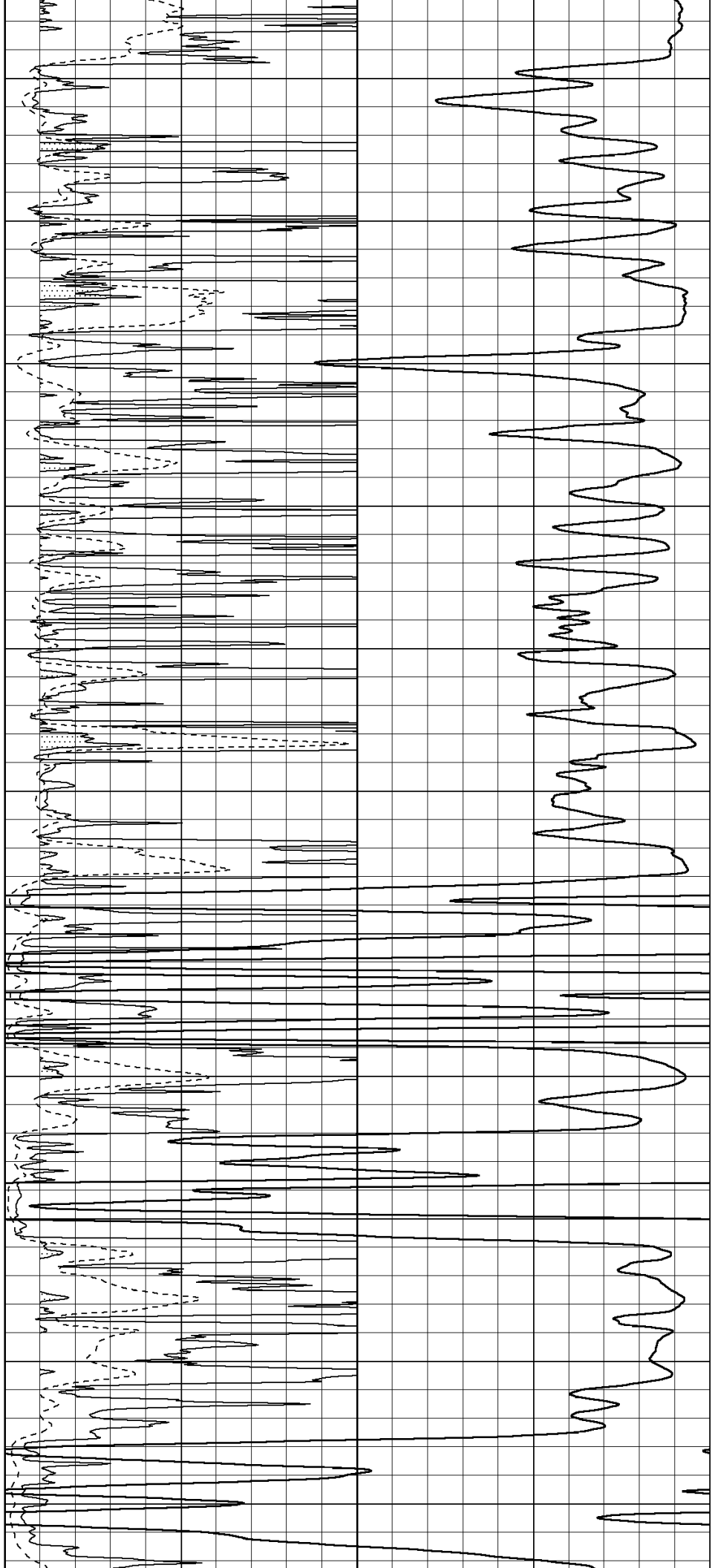
5200

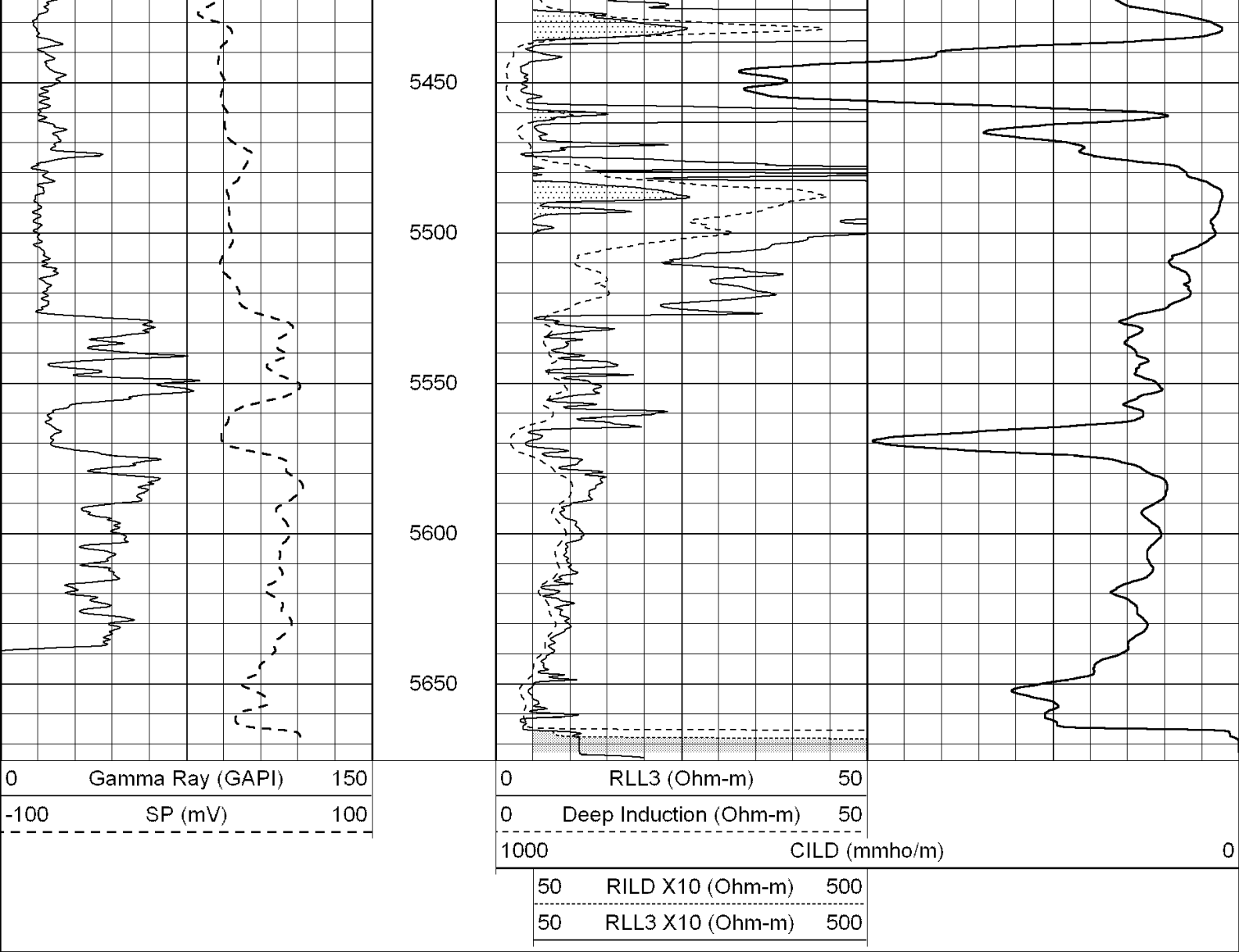
5250

5300

5350

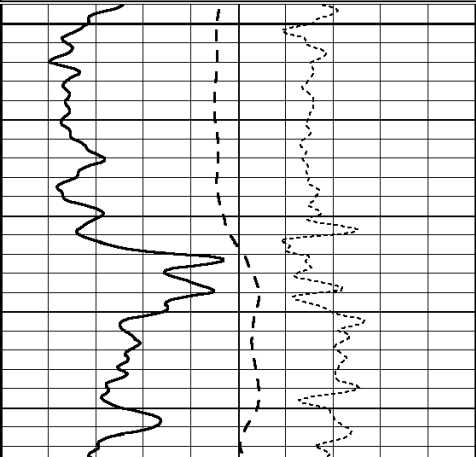
5400



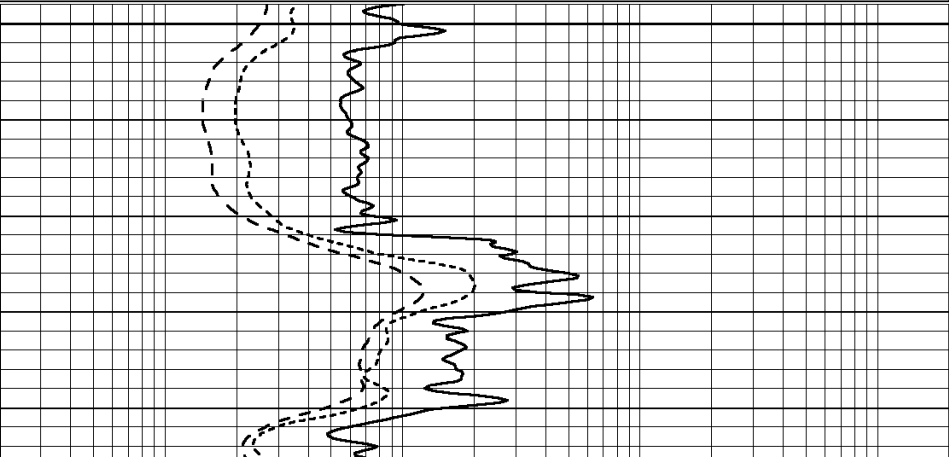


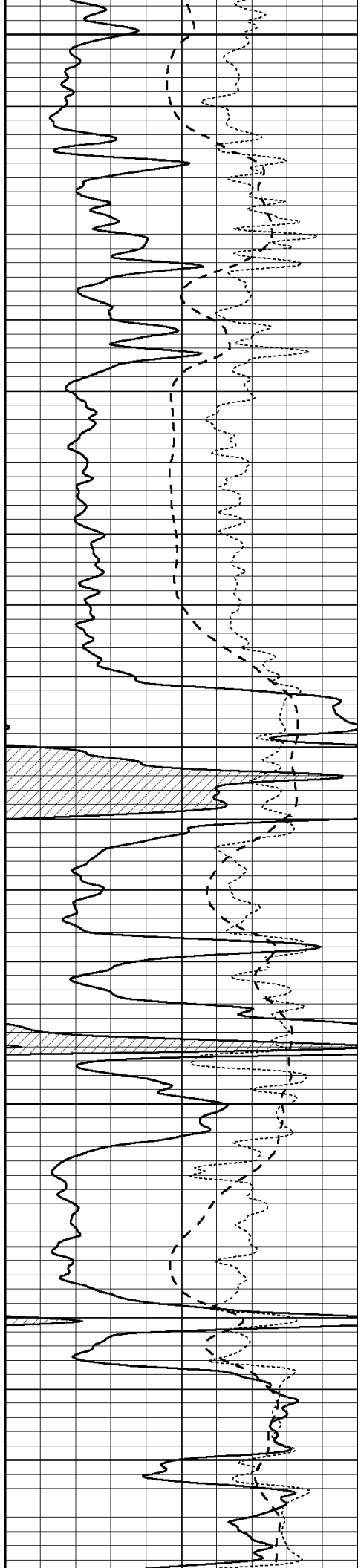
Database File: 004854pe.db  
Dataset Pathname: pass3.2  
Presentation Format: \_dil  
Dataset Creation: Wed Jan 27 21:36:13 2010 by Calc Open-Cased 090629  
Charted by: Depth in Feet scaled 1:240

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



4100





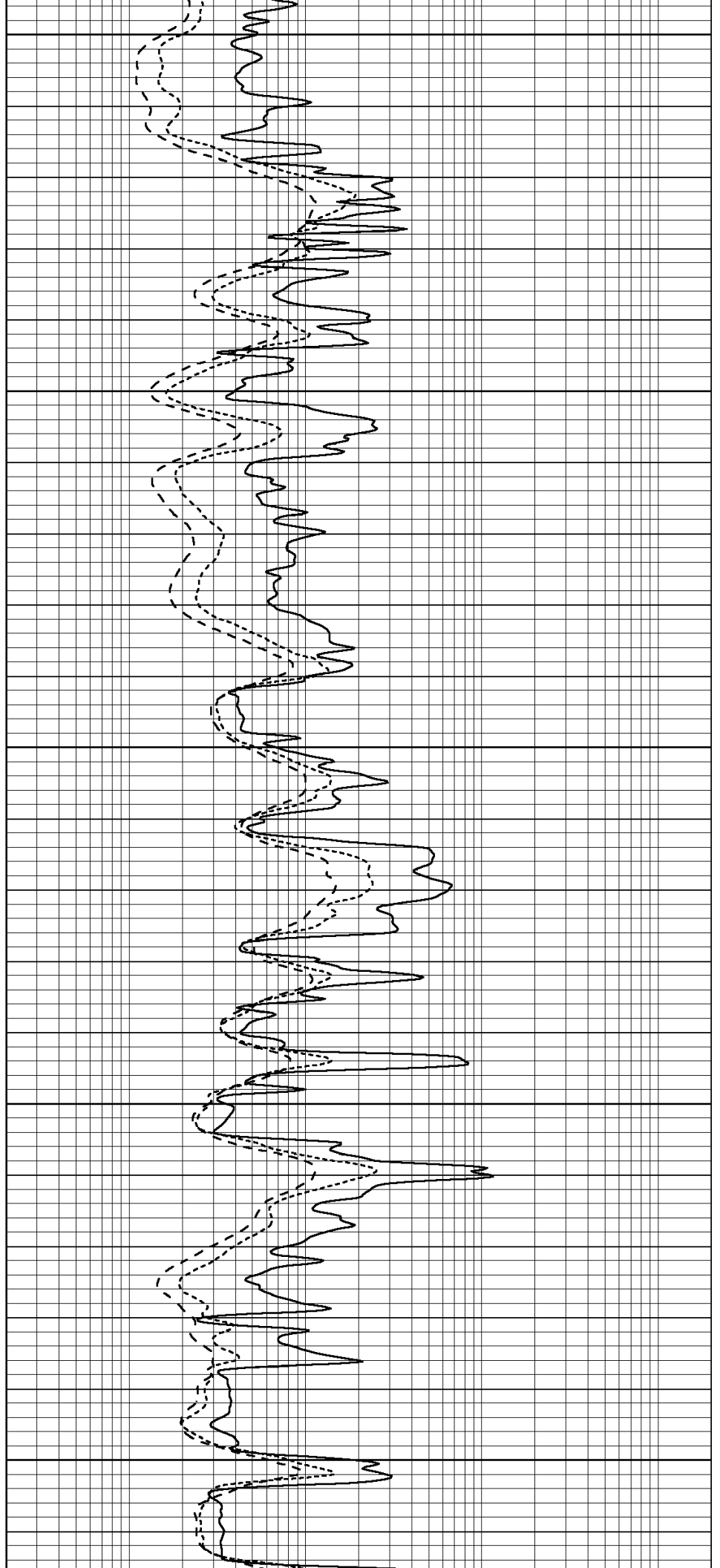
4150

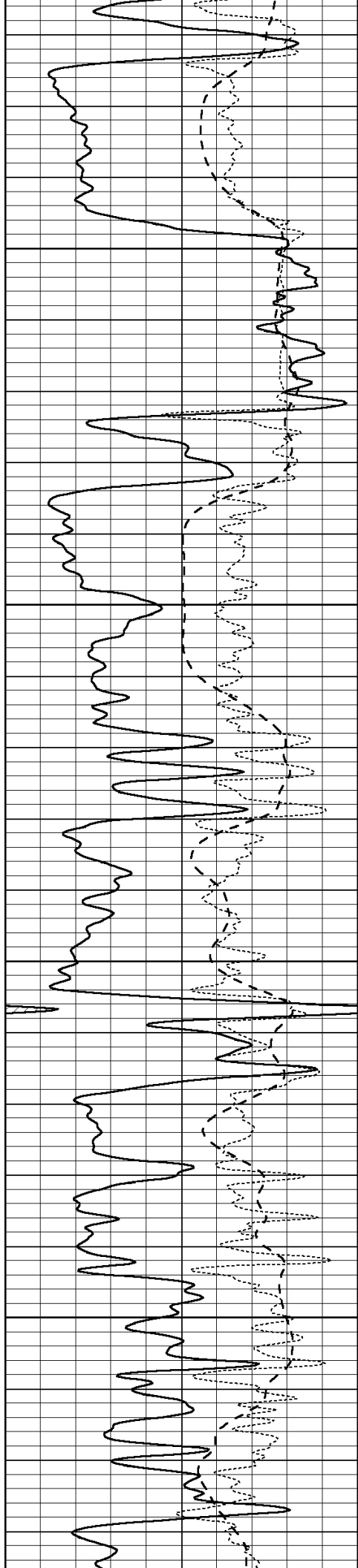
4200

4250

4300

4350



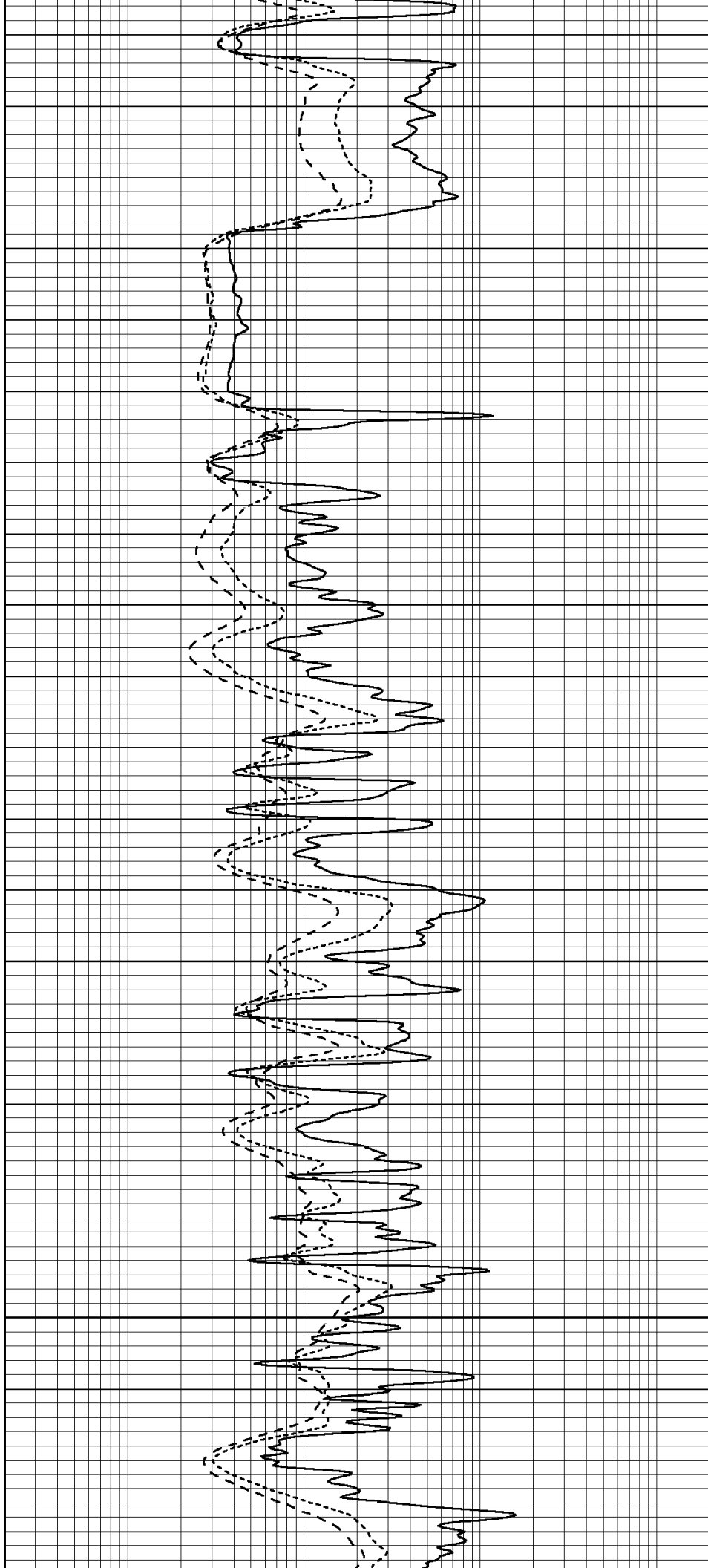


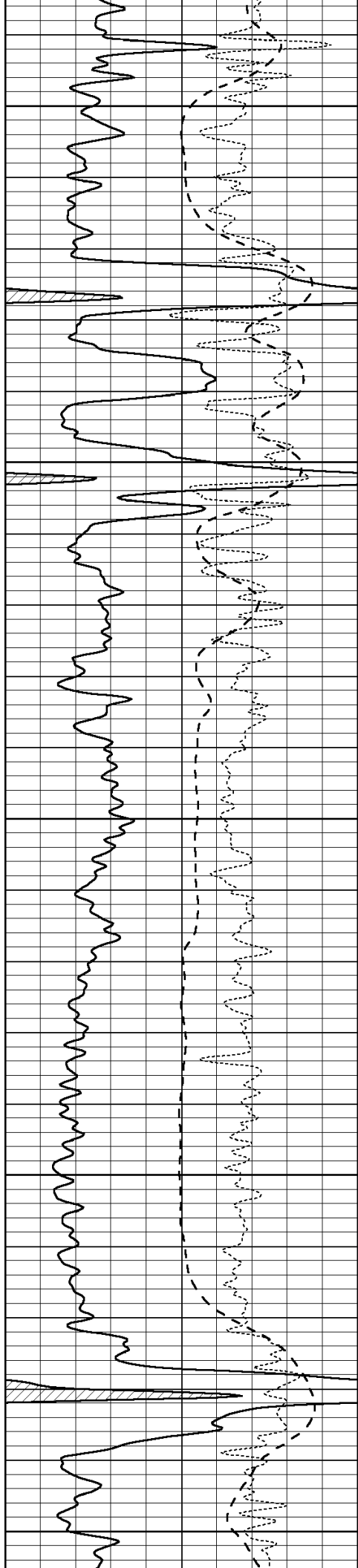
4400

4450

4500

4550





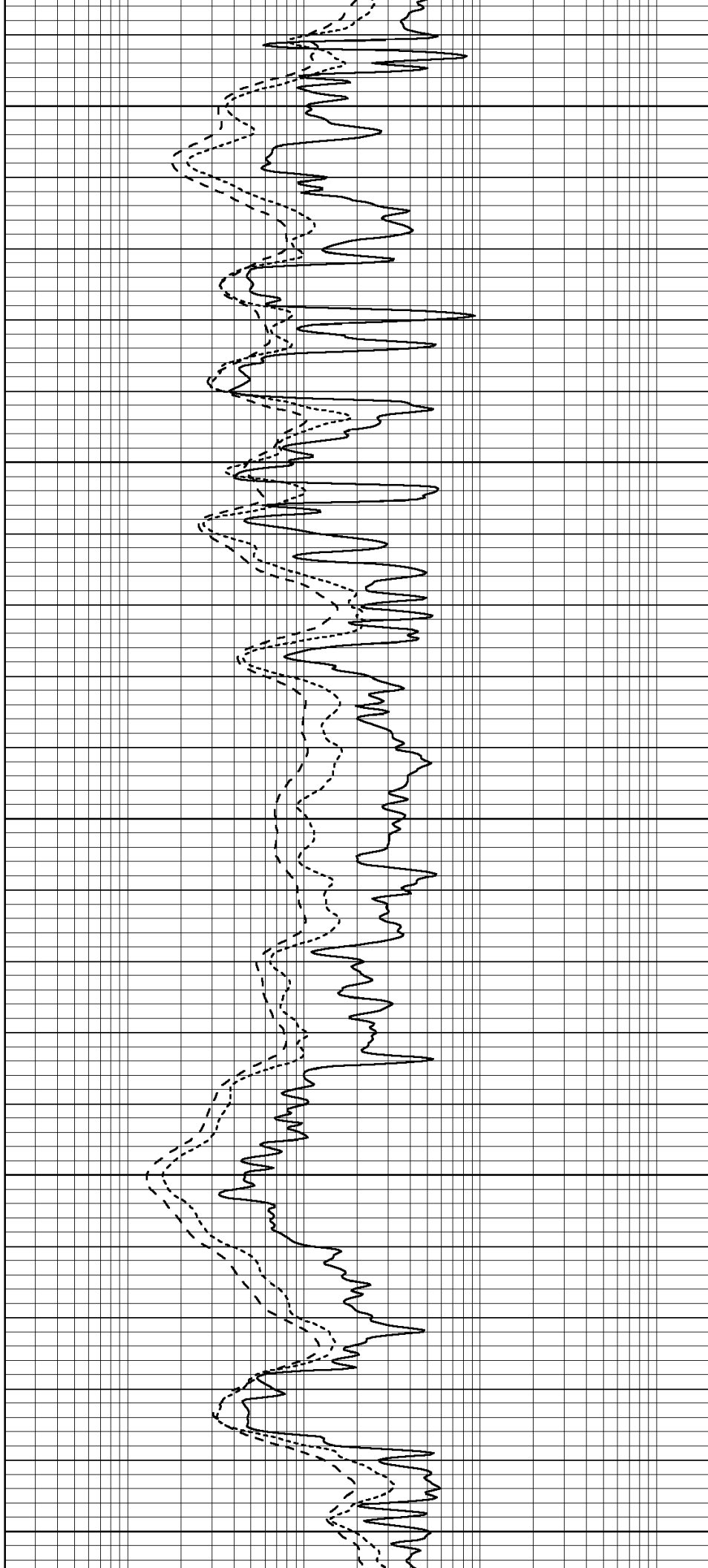
4600

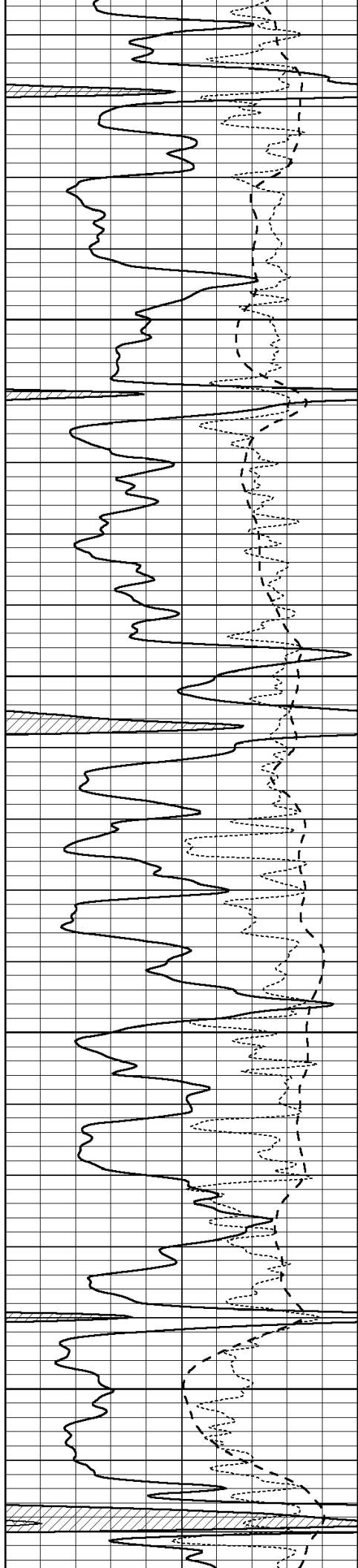
4650

4700

4750

4800



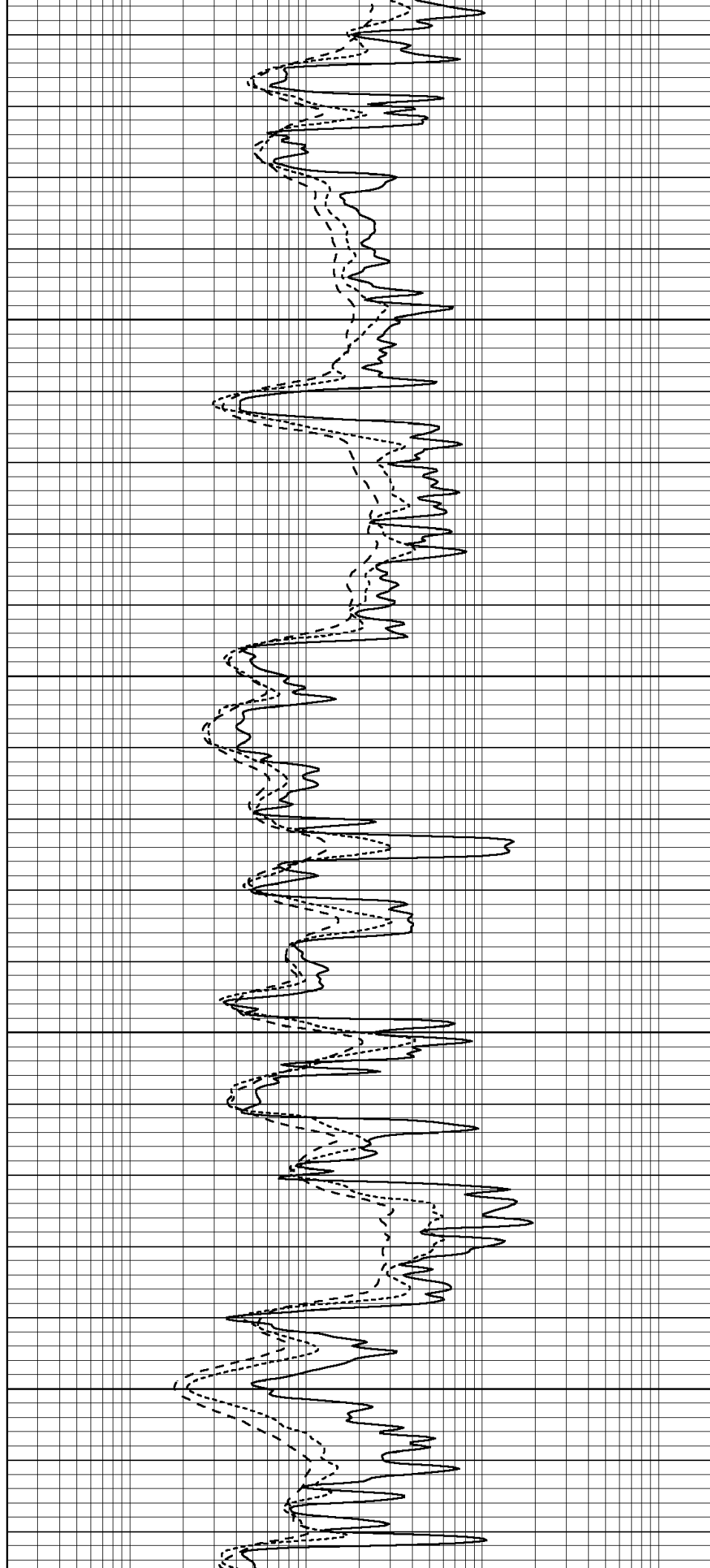


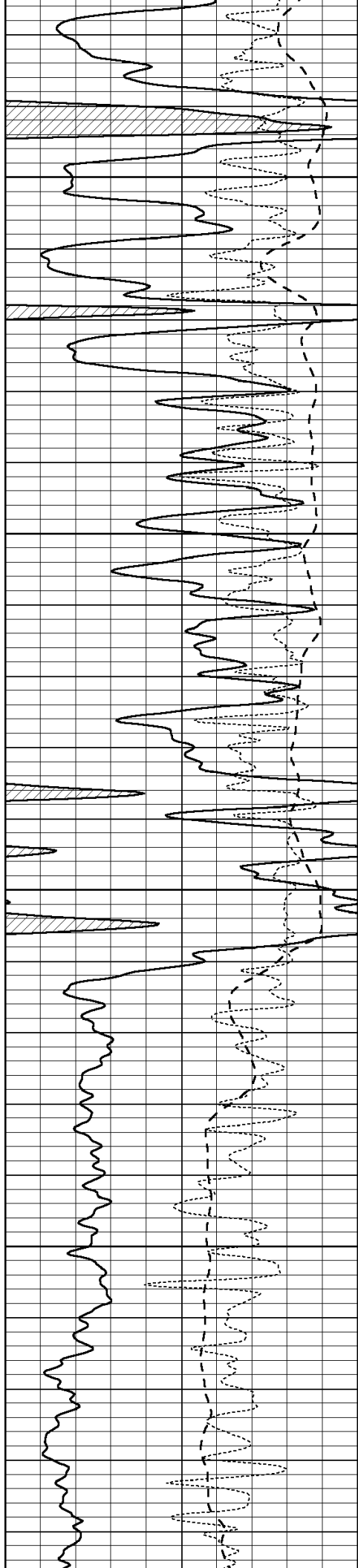
4850

4900

4950

5000



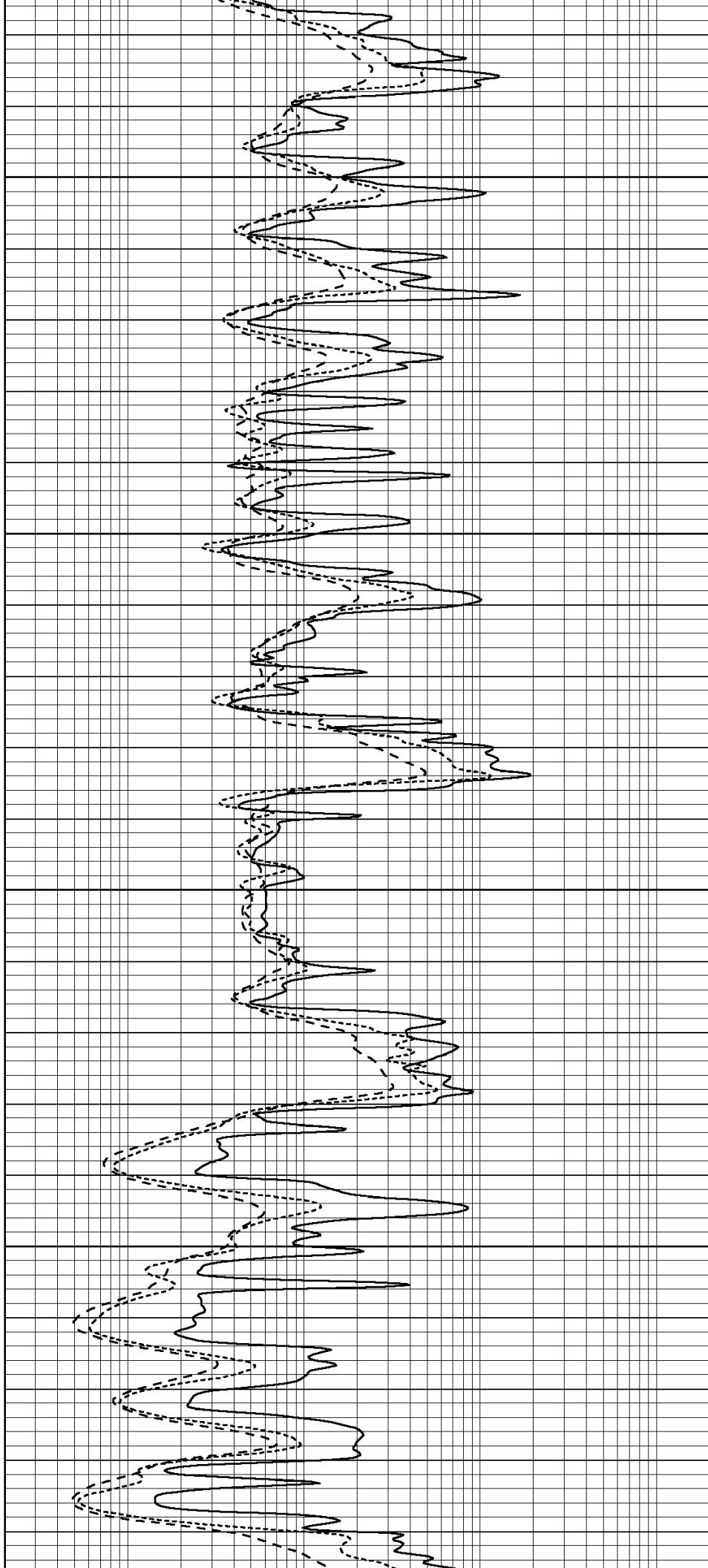


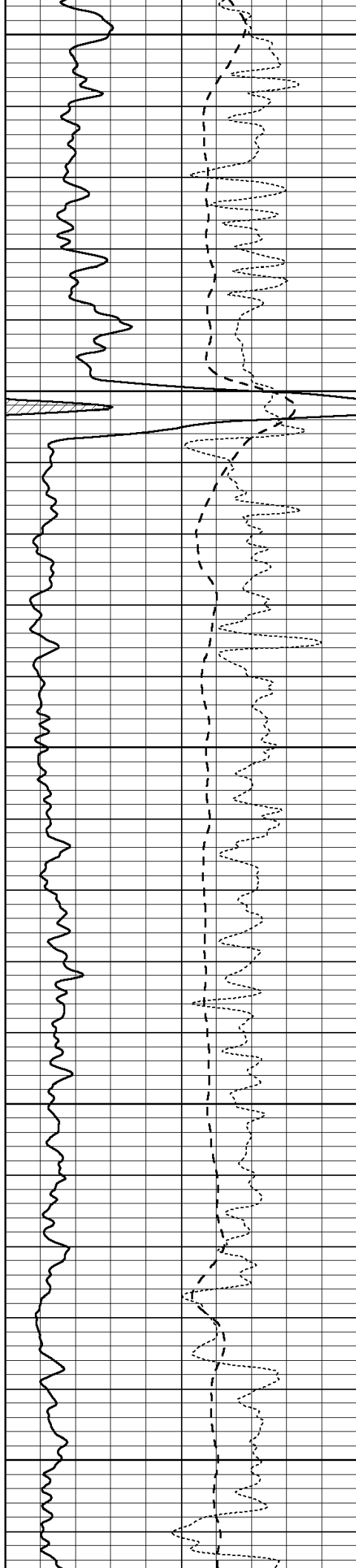
5050

5100

5150

5200





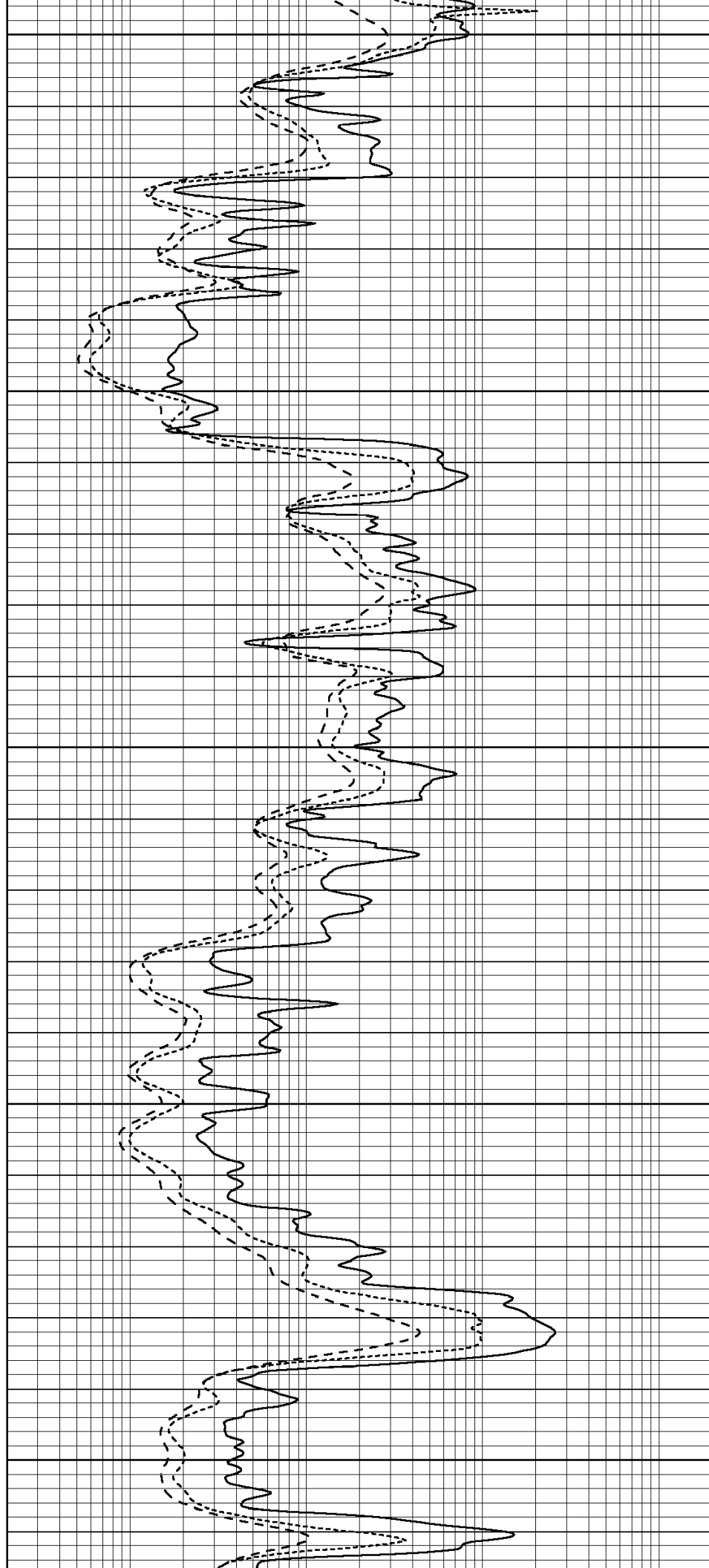
5250

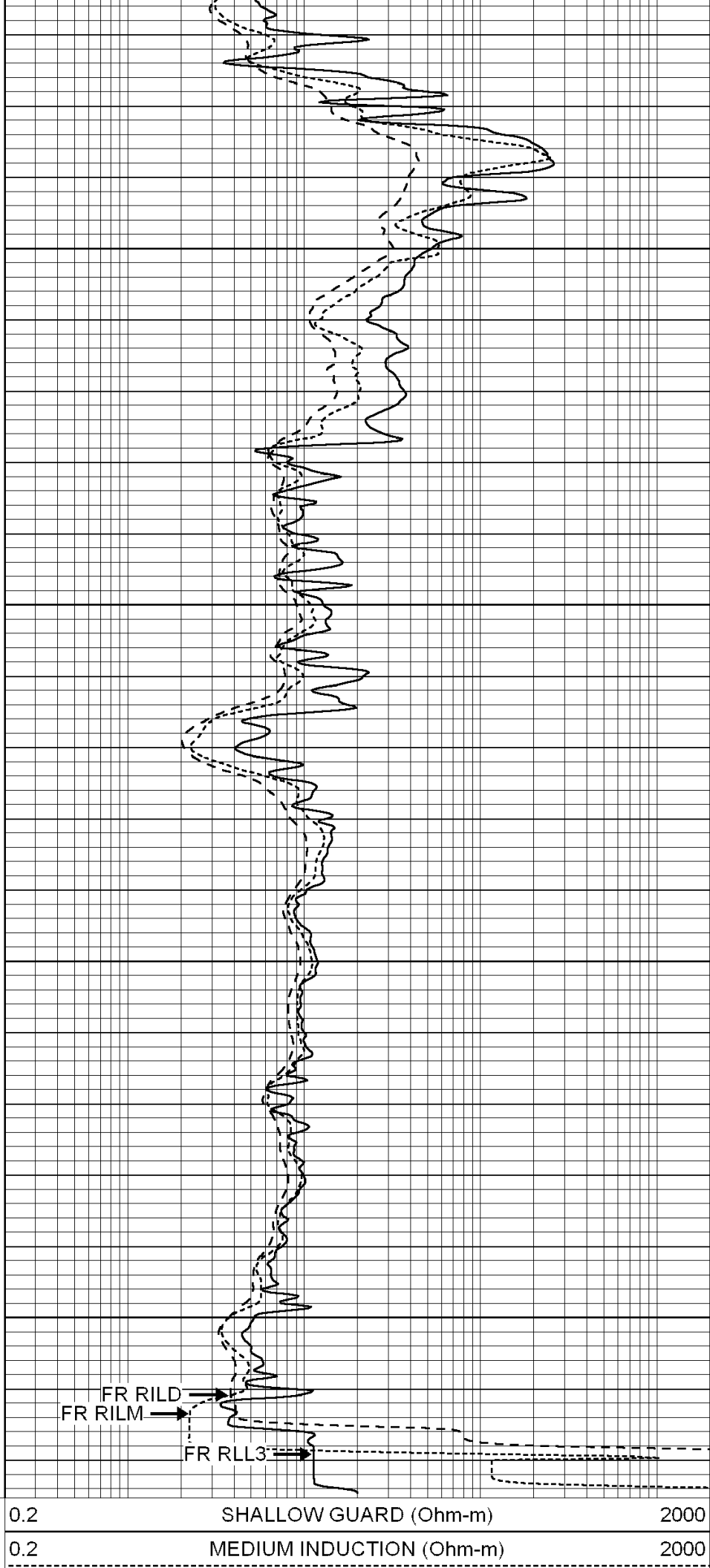
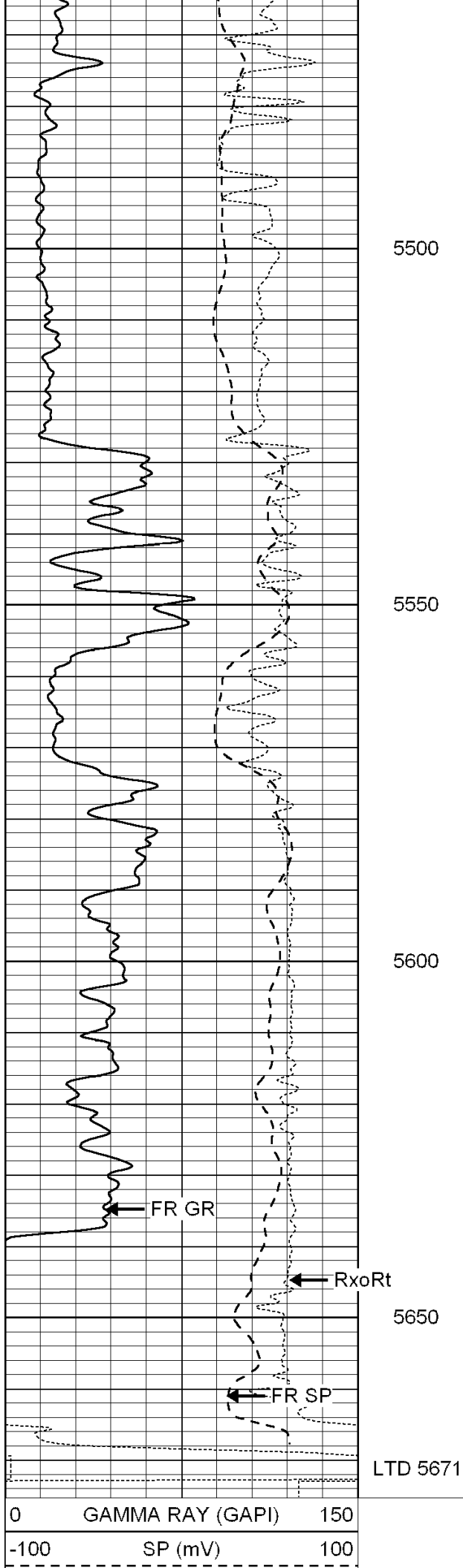
5300

5350

5400

5450





-250 Rxo/Rt 50

0.2 DEEP INDUCTION (Ohm-m) 2000



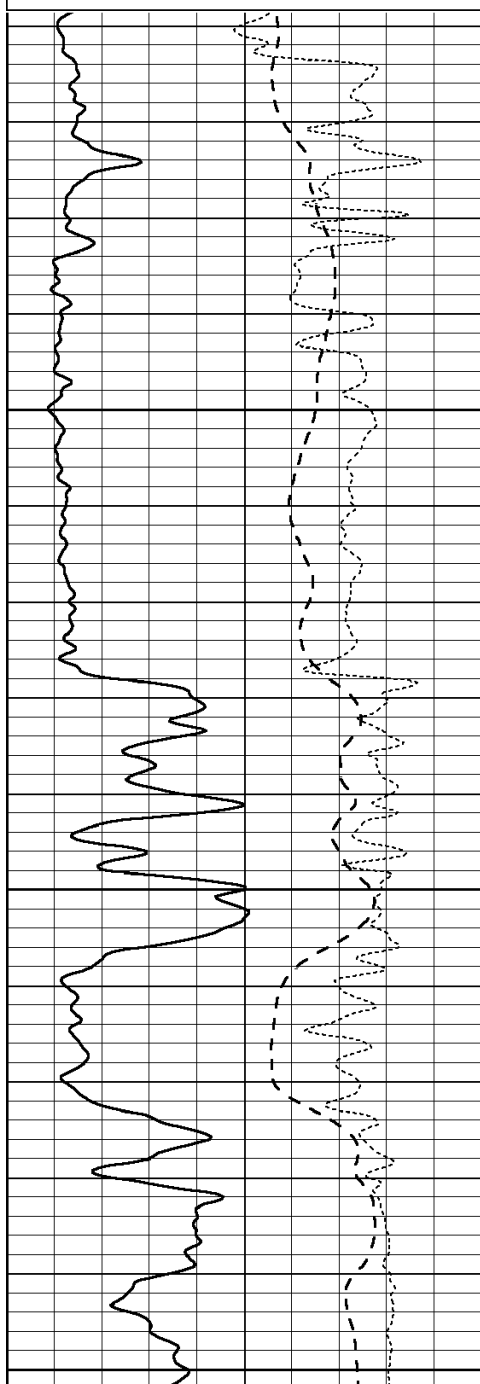
SUPERIOR  
Hays,  
Kansas

# REPEAT SECTION

Database File: 004854pe.db  
Dataset Pathname: pass2.3  
Presentation Format: \_dil  
Dataset Creation: Wed Jan 27 21:44:49 2010 by Calc Open-Cased 090629  
Charted by: Depth in Feet scaled 1:240

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

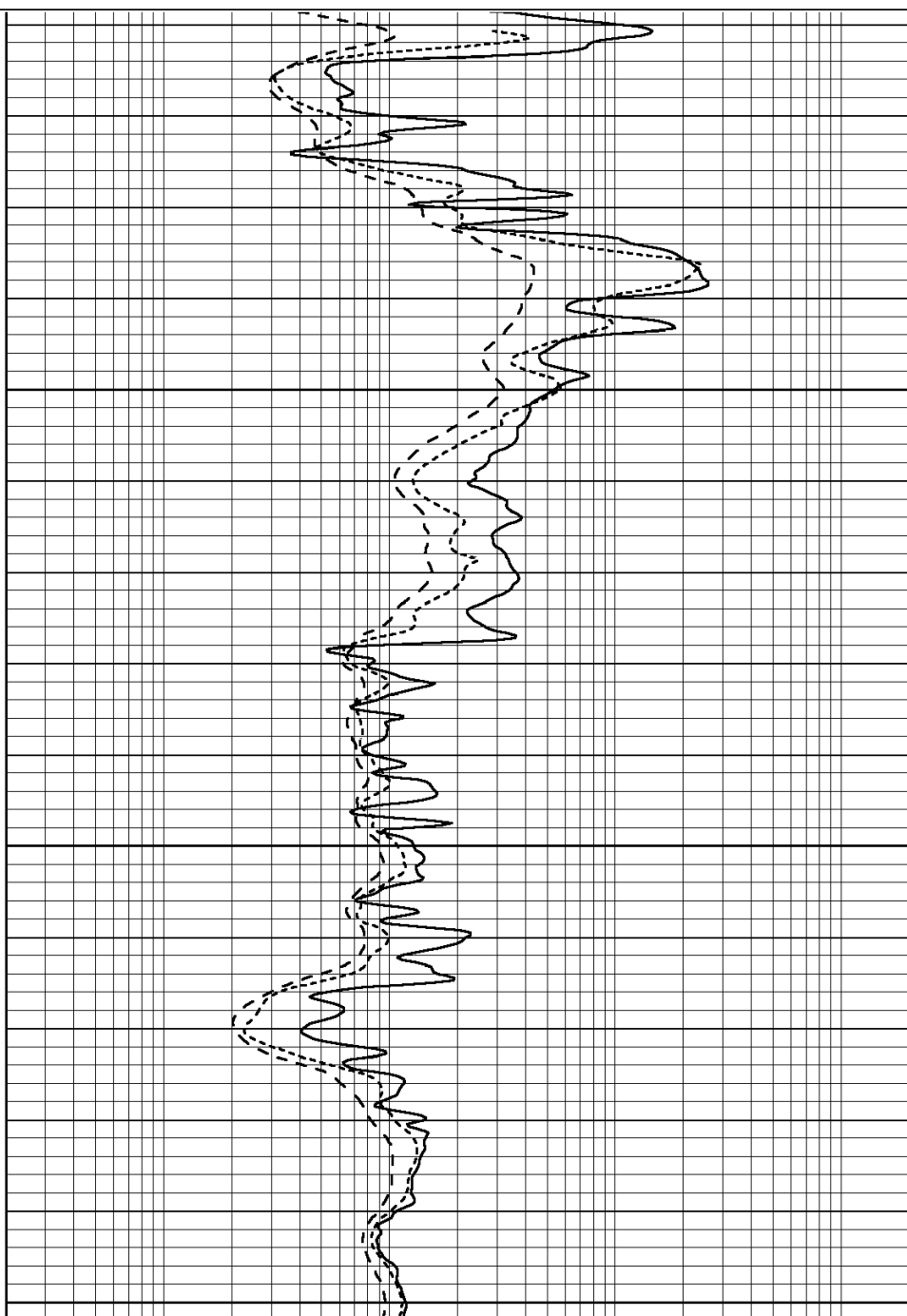
|     |                          |      |
|-----|--------------------------|------|
| 0.2 | SHALLOW GUARD (Ohm-m)    | 2000 |
| 0.2 | MEDIUM INDUCTION (Ohm-m) | 2000 |
| 0.2 | DEEP INDUCTION (Ohm-m)   | 2000 |



5500

5550

5600





| 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<br>Serial: 002      Model: PRB<br>Performed Mon Oct 29 15:40:49 2007 |                     |       |                          |         |             |                     |               |         |
| Litho Density Calibration                                                                             |                     |       |                          |         |             |                     |               |         |
|                                                                                                       | Background          |       | Magnesium                |         | Aluminum    |                     | Sandstone     |         |
| Window 1                                                                                              | 1056.3              |       | 9118.0                   |         | 2809.7      |                     | 10378.4       | cps     |
| Window 2                                                                                              | 969.9               |       | 7671.9                   |         | 2431.6      |                     | 8565.8        | cps     |
| Window 3                                                                                              | 683.8               |       | 2939.8                   |         | 1161.0      |                     | 3161.8        | cps     |
| Window 4                                                                                              | 231.4               |       | 231.6                    |         | 226.7       |                     | 230.8         | cps     |
| Long Space                                                                                            | 0.0                 |       | 6702.0                   |         | 1461.7      |                     | 7595.9        | cps     |
| Short Space                                                                                           | 1.2                 |       | 1433.6                   |         | 959.4       |                     | 1568.6        | cps     |
| Rho                                                                                                   |                     |       | 1.7100                   |         | 2.5900      |                     | 1.3800        | g/cc    |
| Pe                                                                                                    |                     |       |                          |         | 2.5700      |                     | 1.5500        |         |
| Rib Angle                                                                                             | : 45.2              |       | Rib Slope                | : 1.008 |             | Density/Spine Ratio |               | : 0.559 |
| Spine Angle                                                                                           | : 75.2              |       | Spine Slope              | : 3.791 |             | Spine Intercept     |               | : -18.7 |
| Caliper                                                                                               |                     |       |                          |         |             |                     |               |         |
|                                                                                                       | Readings            |       | Reference                |         |             |                     |               |         |
| Low Ref                                                                                               | 3.1                 |       | 8.0                      |         |             |                     |               |         |
| High Ref                                                                                              | 5.4                 |       | 14.0                     |         |             |                     |               |         |
|                                                                                                       | Gain: 2.5           |       |                          |         | Offset: 1.1 |                     |               |         |
| Compensated Neutron Calibration Report                                                                |                     |       |                          |         |             |                     |               |         |
|                                                                                                       |                     |       | Serial Number:           |         | 5I          |                     |               |         |
|                                                                                                       |                     |       | Tool Model:              |         | G           |                     |               |         |
| CALIBRATION                                                                                           |                     |       |                          |         |             |                     |               |         |
|                                                                                                       | Detector            |       | Readings                 |         | Target      |                     | Normalization |         |
|                                                                                                       | Short Space         |       | 1.00    cps              |         | 1.00    cps |                     | 1.0000        |         |
|                                                                                                       | Long Space          |       | 1.00    cps              |         | 1.00    cps |                     | 1.0000        |         |
| 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    |                     |               |         |