



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

**DUAL**  
**INDUCTION**  
**LOG**

|                              |                                              |           |                                        |
|------------------------------|----------------------------------------------|-----------|----------------------------------------|
| Company                      | SHELBY RESOURCES, LLC.                       |           |                                        |
| Well                         | CLARK # 1-24                                 |           |                                        |
| Field                        | SANFORD                                      |           |                                        |
| County                       | BARTON                                       | State     | KANSAS                                 |
| Location:                    | API # : 15-009-25371<br>2210' FSL & 600' FWL |           | Other Services<br>CDL/CNL<br>SONIC/MEL |
| SEC 24 TWP 17S RGE 14W       |                                              | Elevation |                                        |
| Permanent Datum              | GROUND LEVEL                                 | Elevation | 1932                                   |
| Log Measured From            | KELLY BUSHING 9' G.L.                        |           |                                        |
| Drilling Measured From       | KELLY BUSHING                                |           |                                        |
| Date                         | 1-24-10                                      |           |                                        |
| Run Number                   | ONE                                          |           |                                        |
| Depth Driller                | 3530                                         |           |                                        |
| Depth Logger                 | 3530                                         |           |                                        |
| Bottom Logged Interval       | 3528                                         |           |                                        |
| Top Log Interval             | 00                                           |           |                                        |
| Casing Driller               | 900                                          |           |                                        |
| Casing Logger                | 900                                          |           |                                        |
| Bit Size                     | 7.875                                        |           |                                        |
| Type Fluid in Hole           | CHEMICAL MUD                                 |           |                                        |
| Density / Viscosity          | 9.1 / 81                                     |           |                                        |
| pH / Fluid Loss              | 11.0 / 7.8                                   |           |                                        |
| Source of Sample             | FLOWLINE                                     |           |                                        |
| Rim @ Meas. Temp             | 0.60 @ 68F                                   |           |                                        |
| Rinf @ Meas. Temp            | 0.45 @ 68F                                   |           |                                        |
| Rmc @ Meas. Temp             | 0.72 @ 68F                                   |           |                                        |
| Source of Rinf / Rmc         | MEASURED                                     |           |                                        |
| Rim @ BHT                    | .370 @ 110F                                  |           |                                        |
| Time Circulation Stopped     | 2 HOURS                                      |           |                                        |
| Time Logger on Bottom        | 5:00 A.M.                                    |           |                                        |
| Maximum Recorded Temperature | 110F                                         |           |                                        |
| Equipment Number             | 860                                          |           |                                        |
| Location                     | HAYS, KS.                                    |           |                                        |
| Recorded By                  | RUPP                                         |           |                                        |
| Witnessed By                 | DEREK PATTERSON                              |           |                                        |

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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

SUPERIOR WELL SERVICES  
785-628-6395  
THANK YOU FOR YOUR BUSINESS  
DIRECTIONS: HOISINGTON W TO 120TH, 2W, 1 /12N, E INTO.



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

**MAIN SECTION**

Database File: 004789ddn.db  
Dataset Pathname: pass3.1  
Presentation Format: dil2  
Dataset Creation: Sun Jan 24 06:52:55 2010 by Calc Open-Cased 090629  
Charted by: Depth in Feet scaled 1:600

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

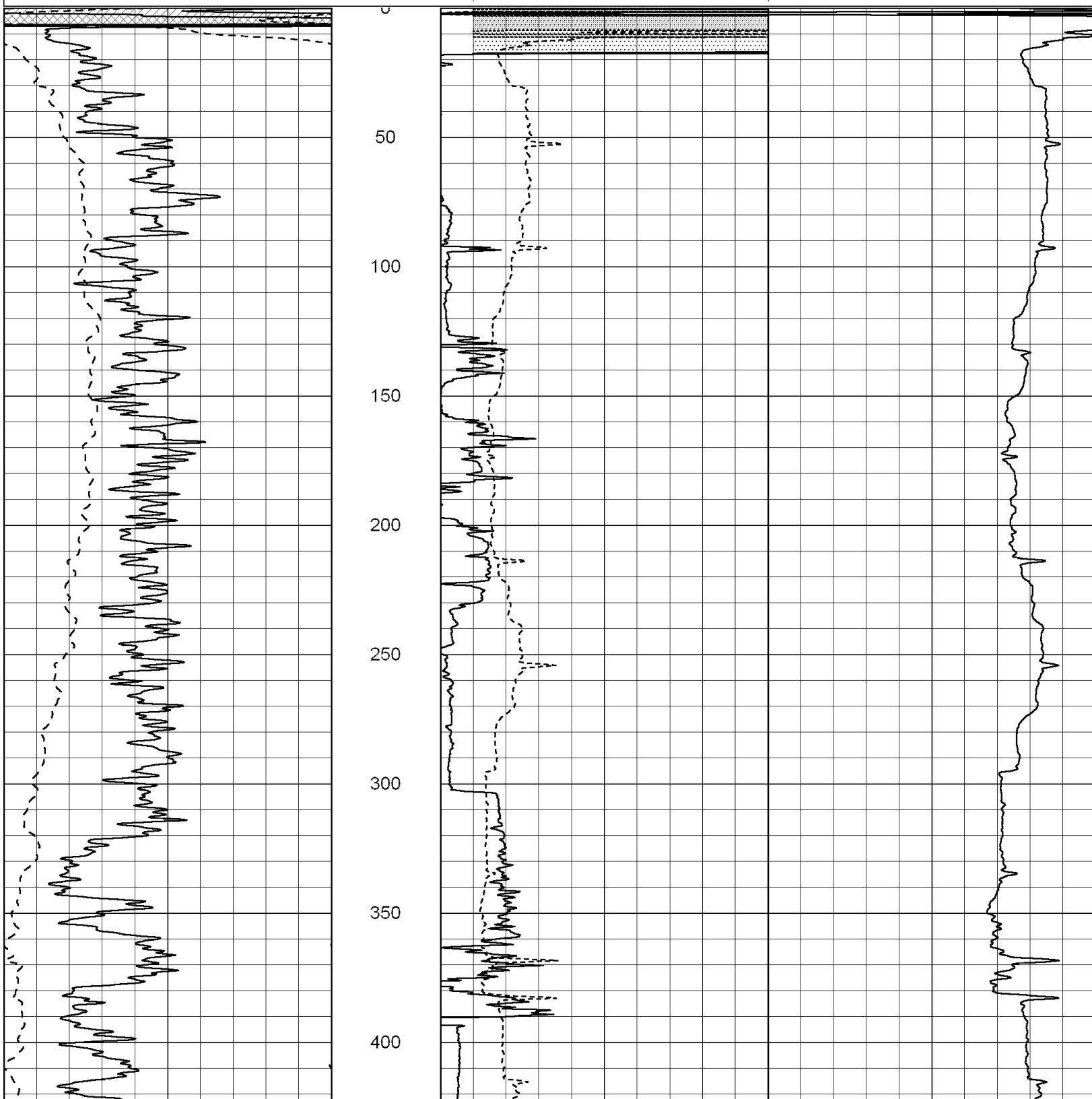
|   |              |    |
|---|--------------|----|
| 0 | RLL3 (Ohm-m) | 50 |
|---|--------------|----|

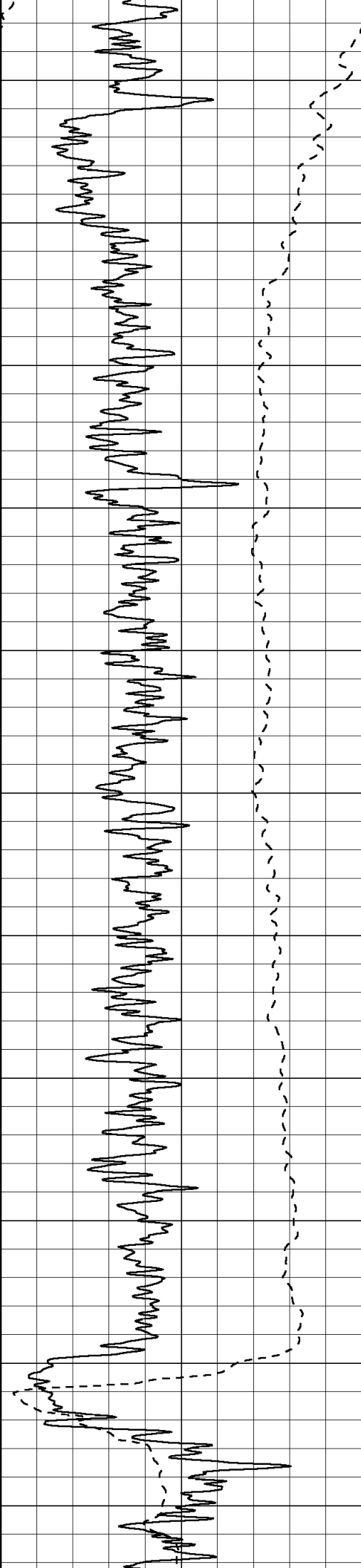
|   |                        |    |
|---|------------------------|----|
| 0 | Deep Induction (Ohm-m) | 50 |
|---|------------------------|----|

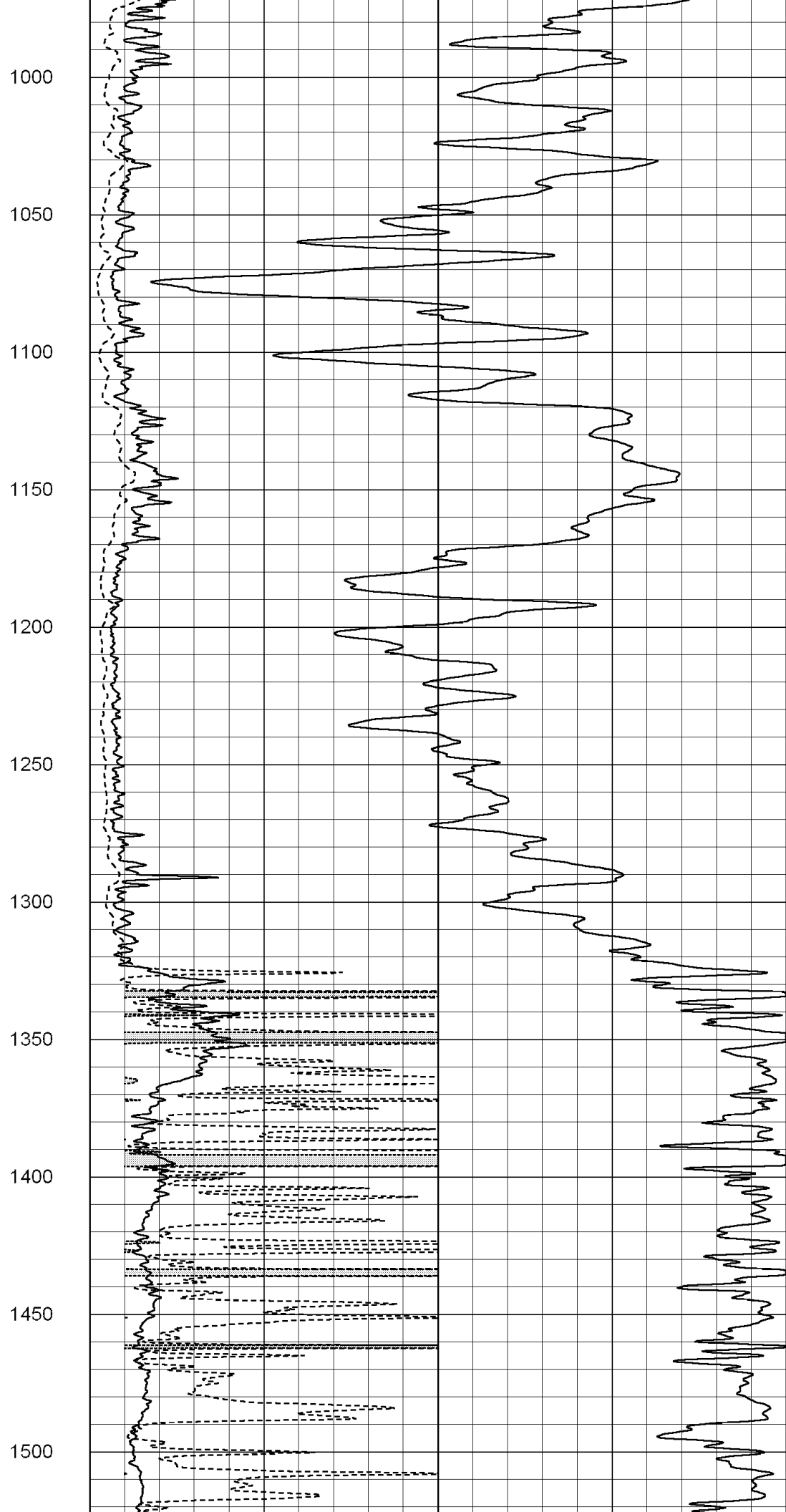
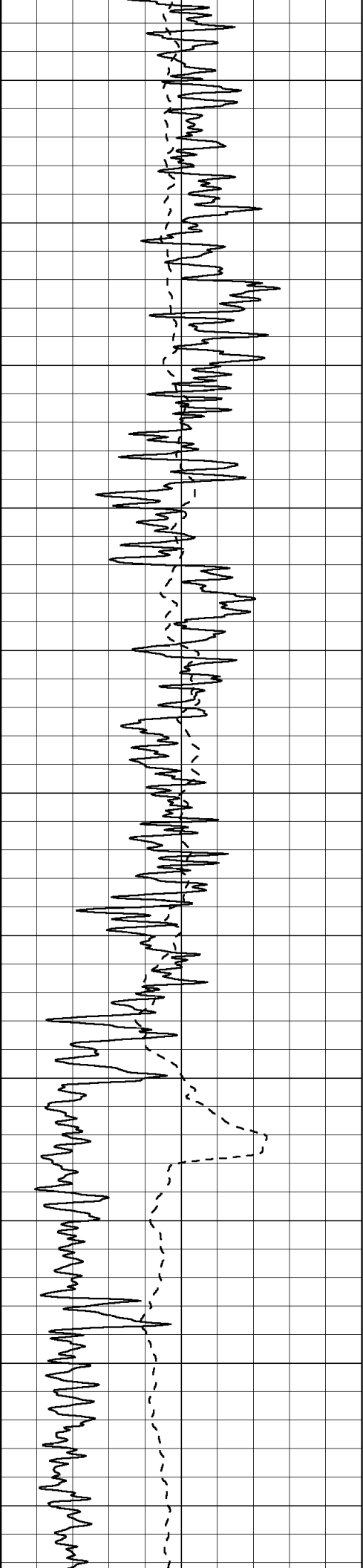
|      |               |   |
|------|---------------|---|
| 1000 | CILD (mmho/m) | 0 |
|------|---------------|---|

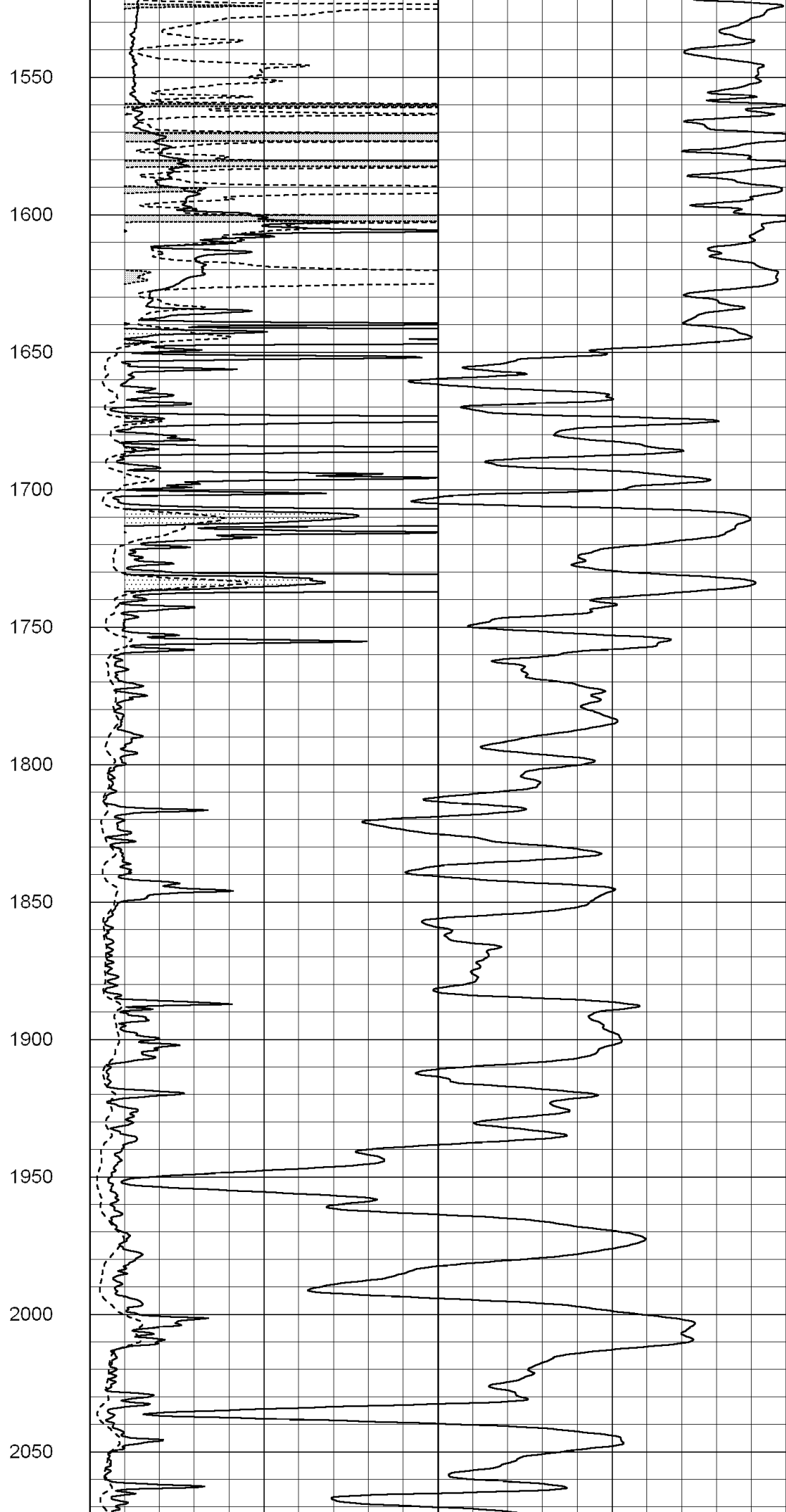
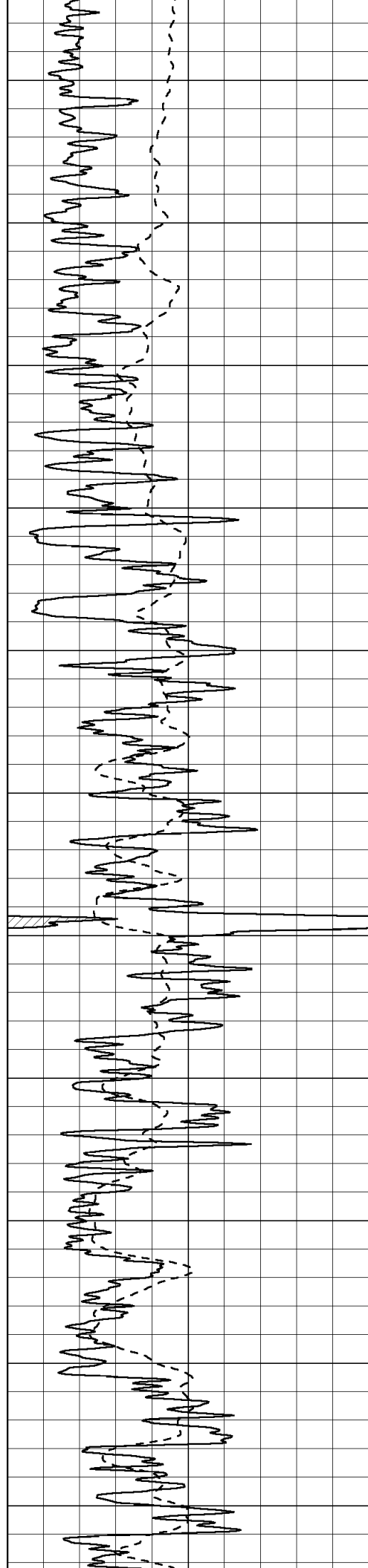
|    |                  |     |
|----|------------------|-----|
| 50 | RILD X10 (Ohm-m) | 500 |
|----|------------------|-----|

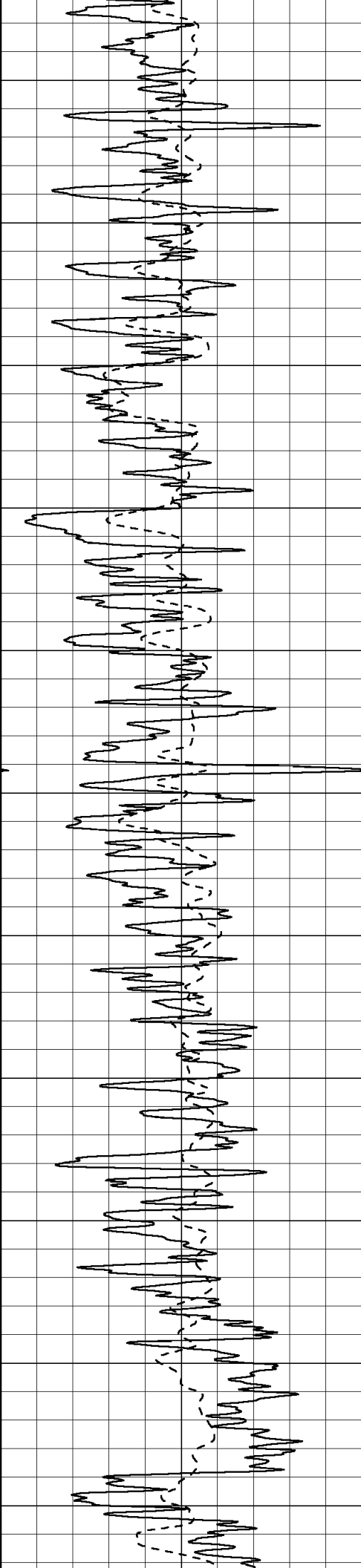
|    |                  |     |
|----|------------------|-----|
| 50 | RLL3 X10 (Ohm-m) | 500 |
|----|------------------|-----|











2100

2150

2200

2250

2300

2350

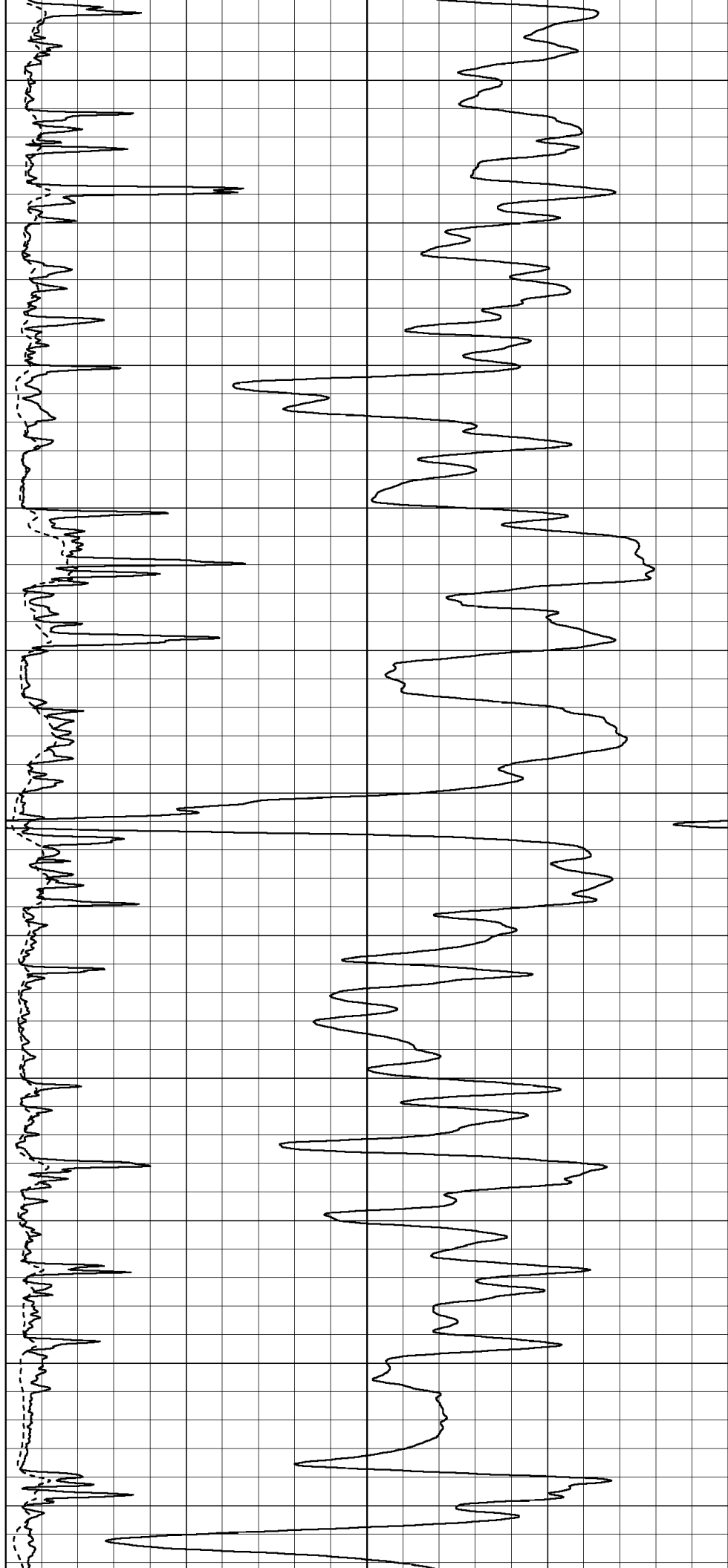
2400

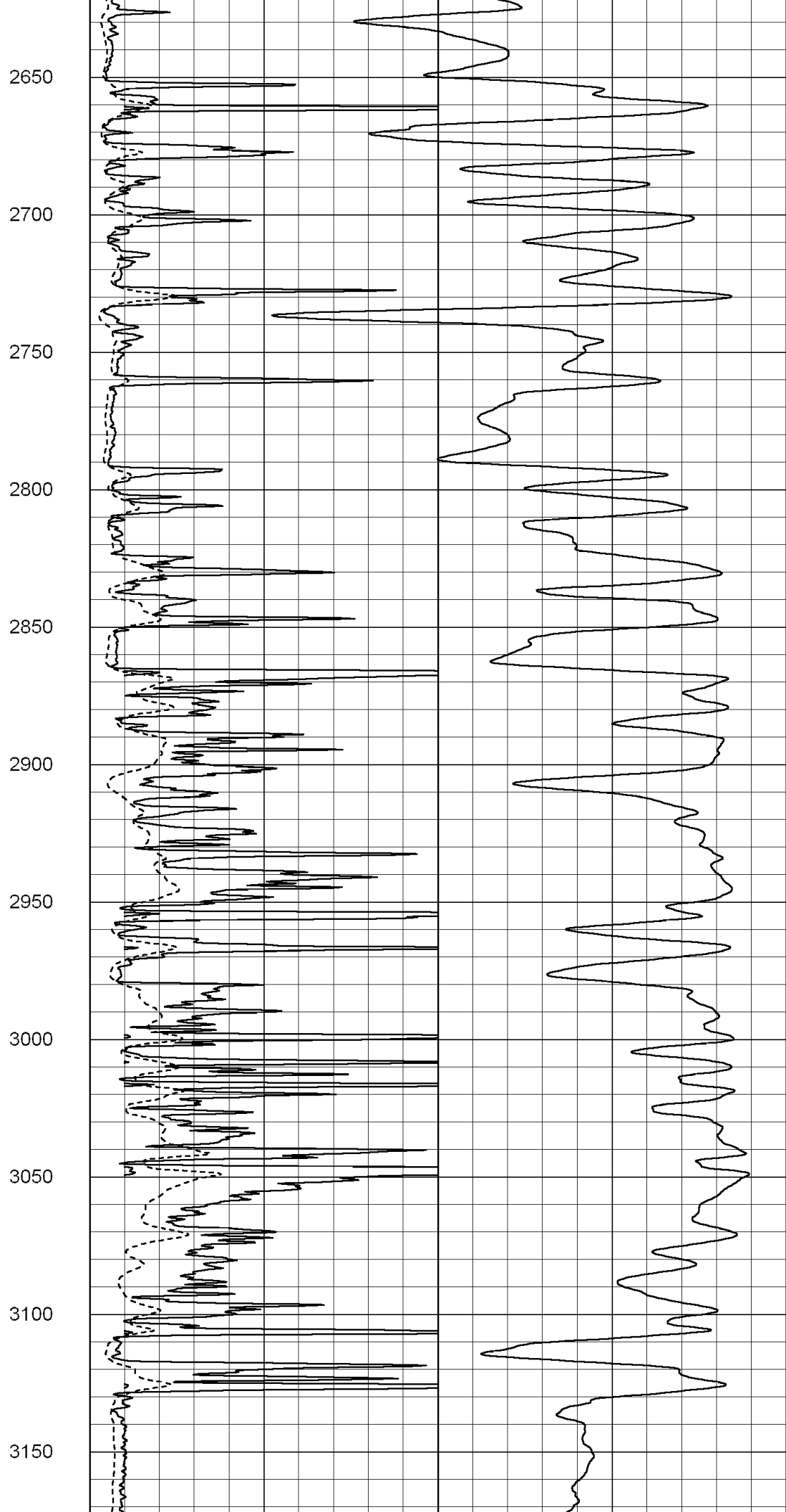
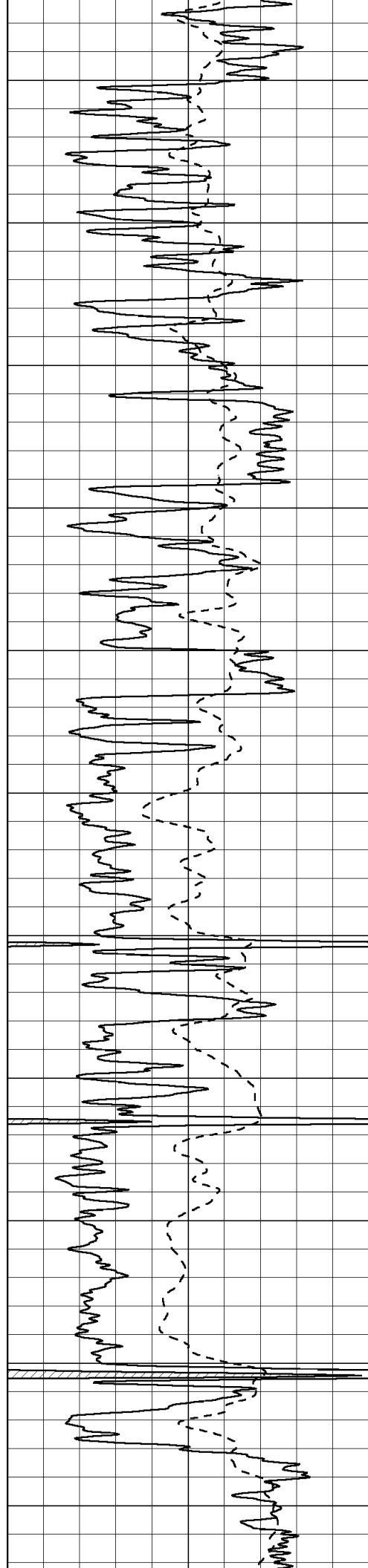
2450

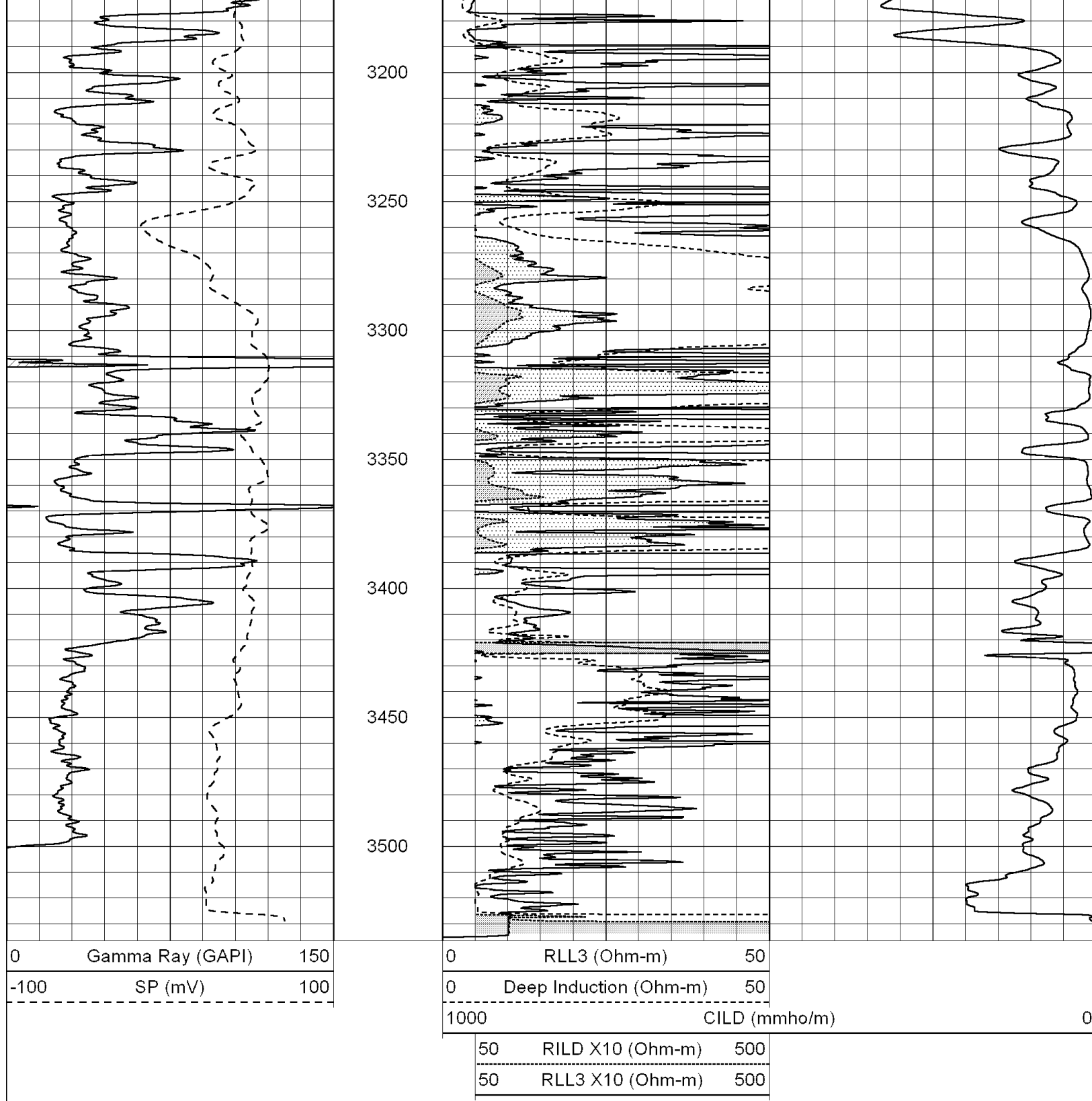
2500

2550

2600







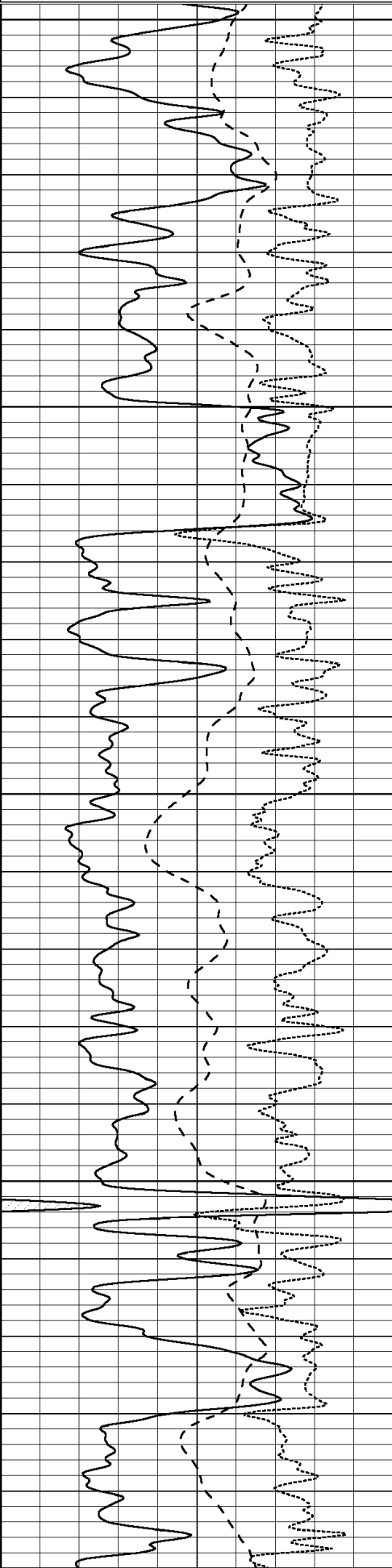
SUPERIOR  
Hays,  
Kansas

# MAIN SECTION

Database File: 004789ddn.db  
 Dataset Pathname: pass3.1  
 Presentation Format: dil  
 Dataset Creation: Sun Jan 24 06:52:55 2010 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240



|         |  |     |
|---------|--|-----|
| SP (mV) |  |     |
| -100    |  | 100 |
| RxoRt   |  |     |
| -250    |  | 50  |



2800

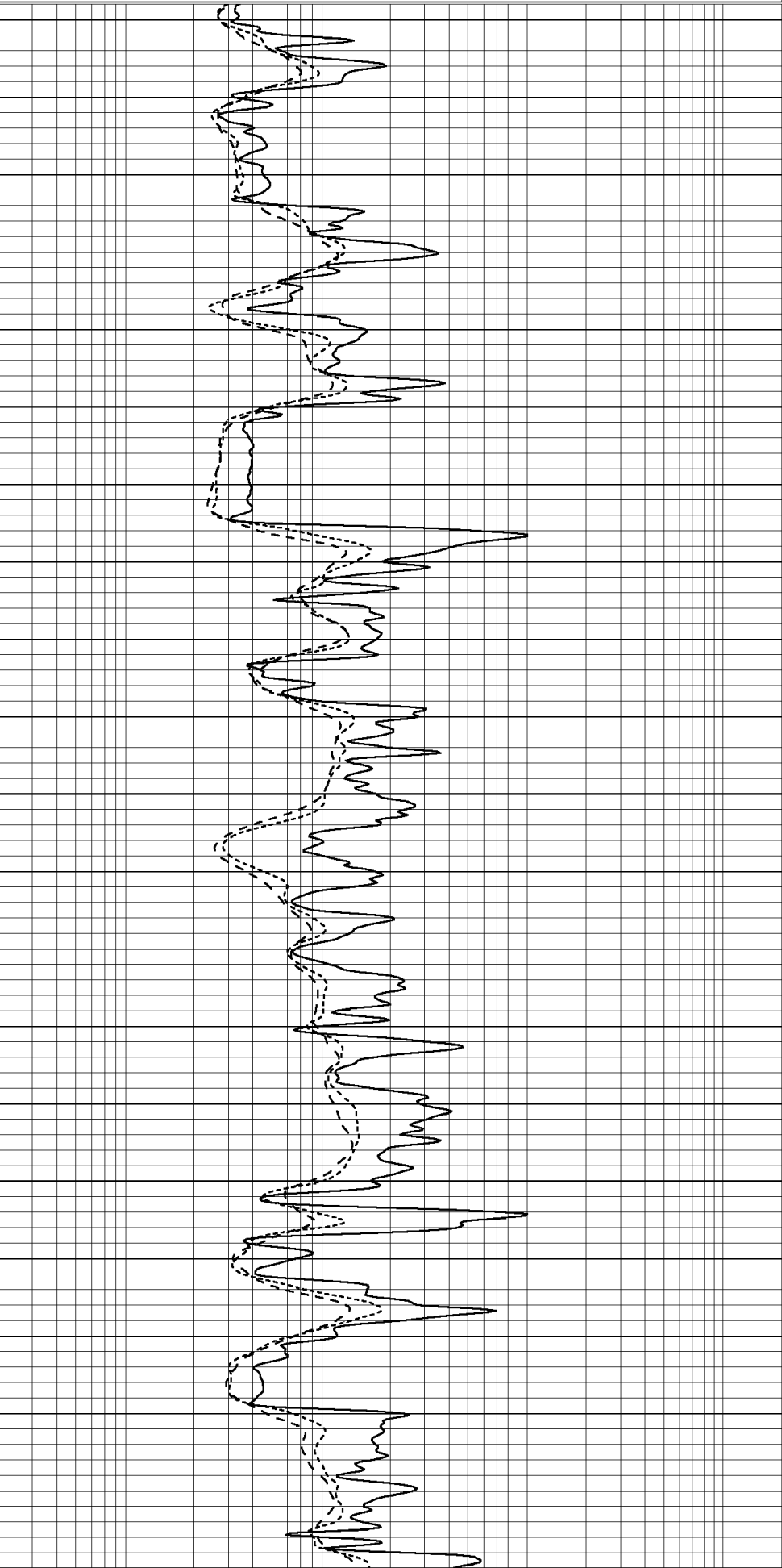
2850

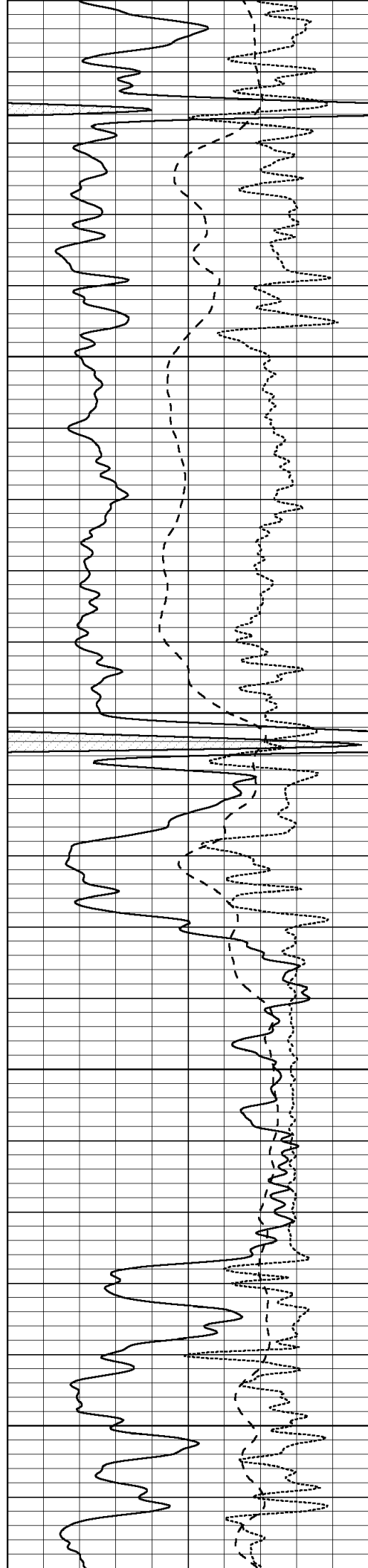
2900

2950

3000

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





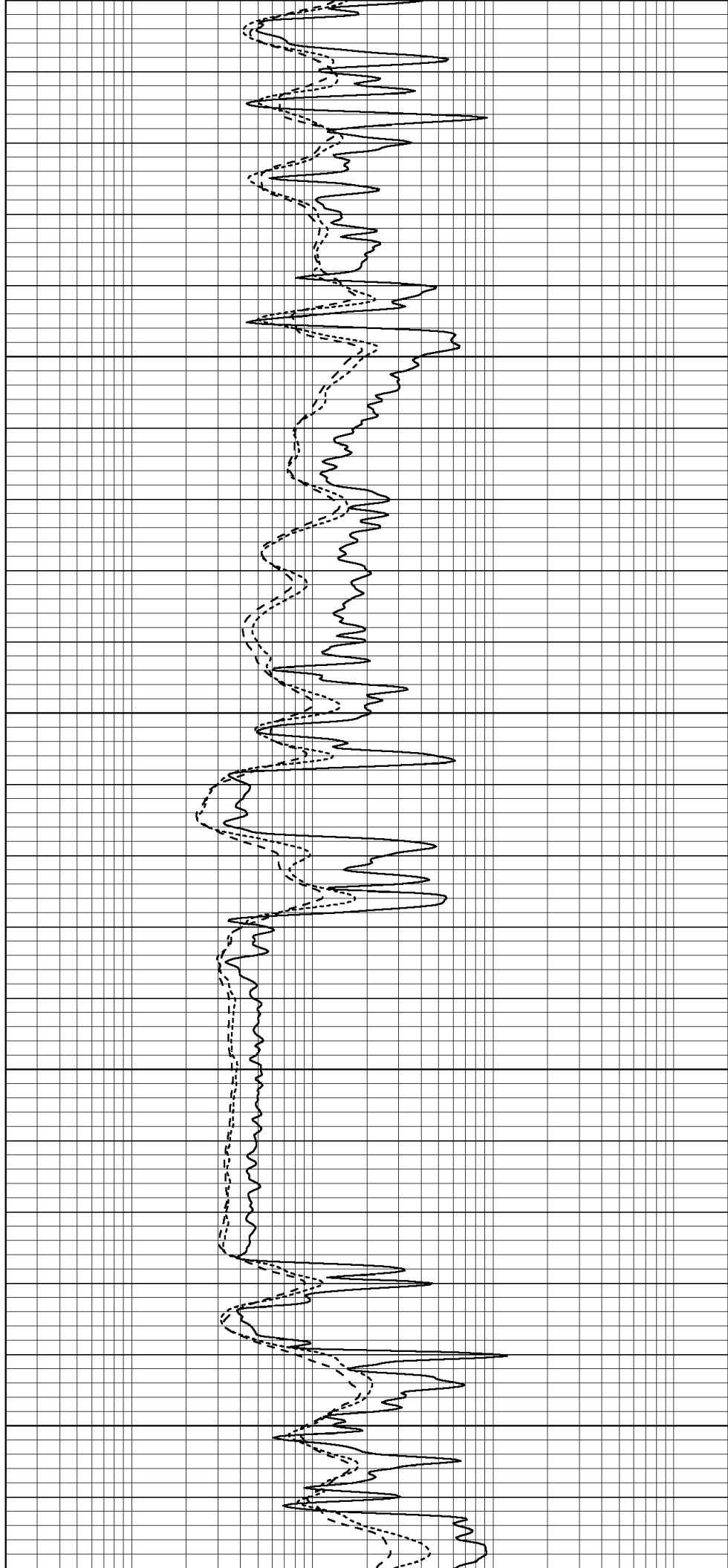
3000

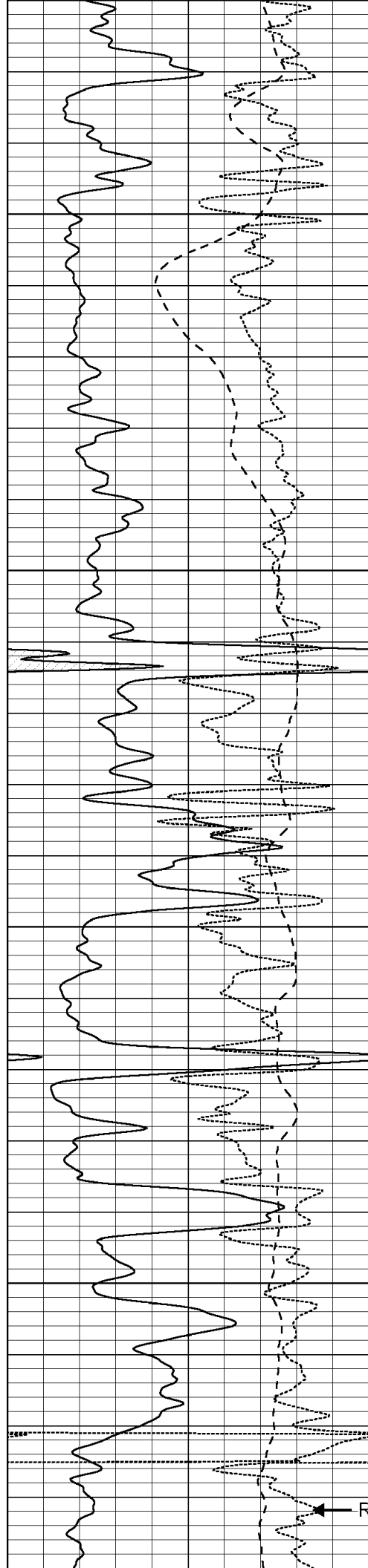
3050

3100

3150

3200





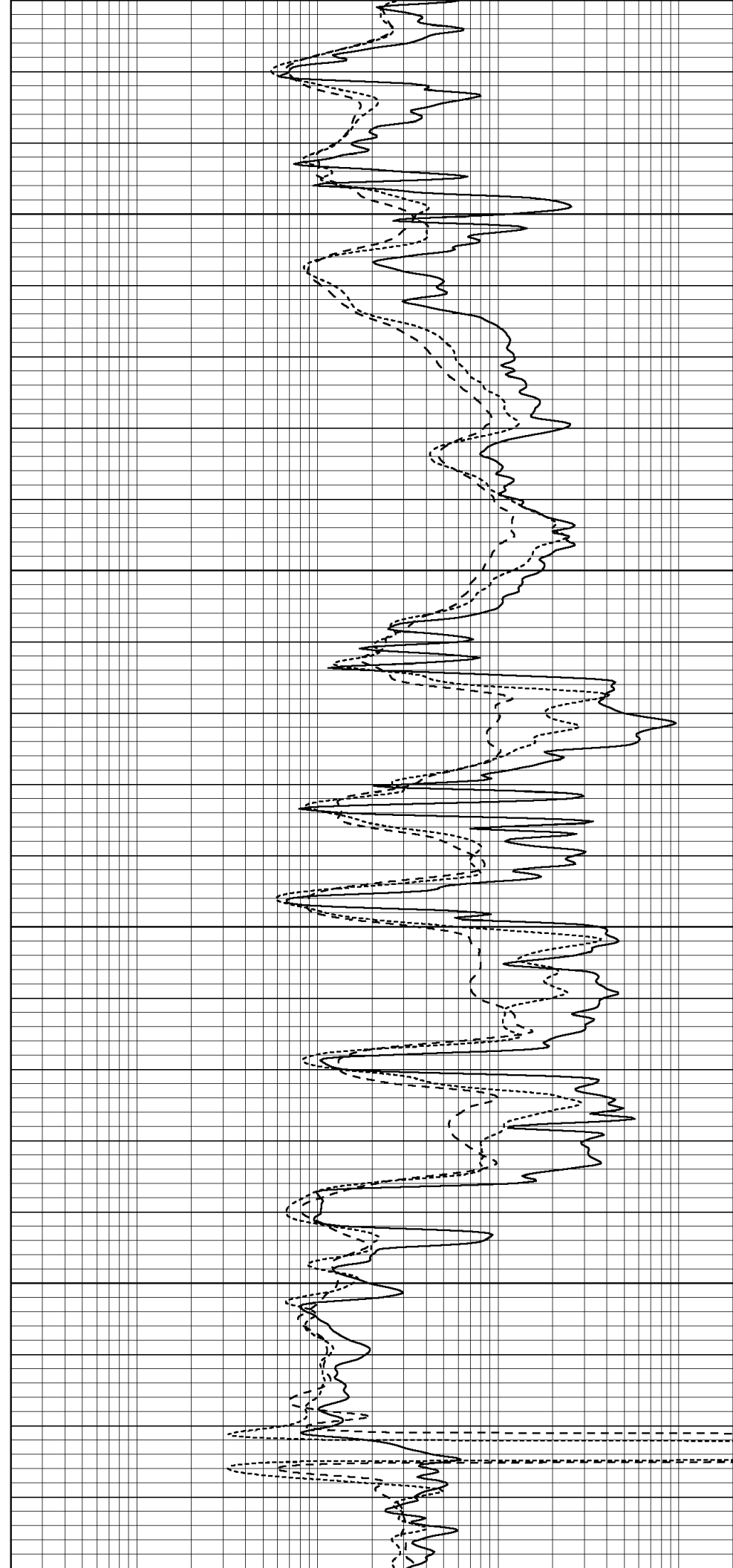
3250

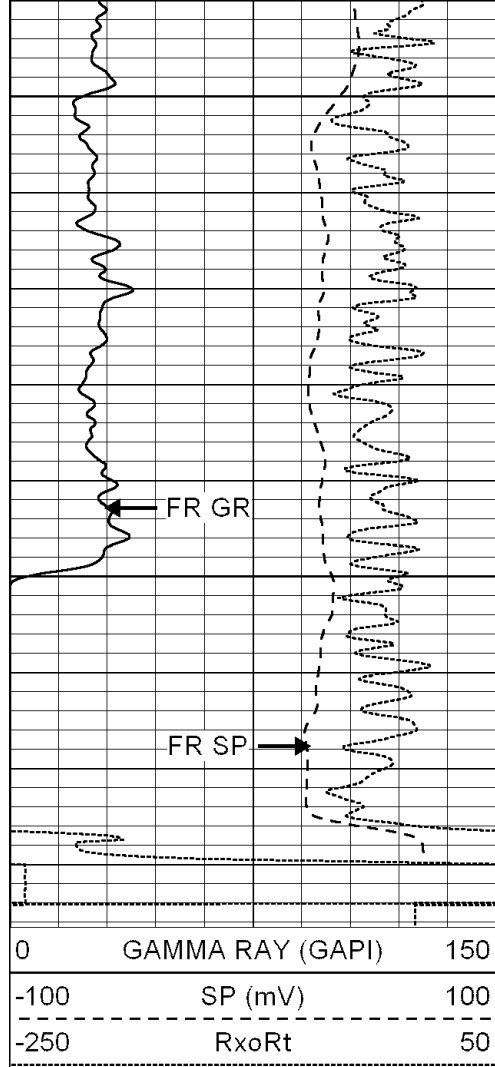
3300

3350

3400

RxoRt

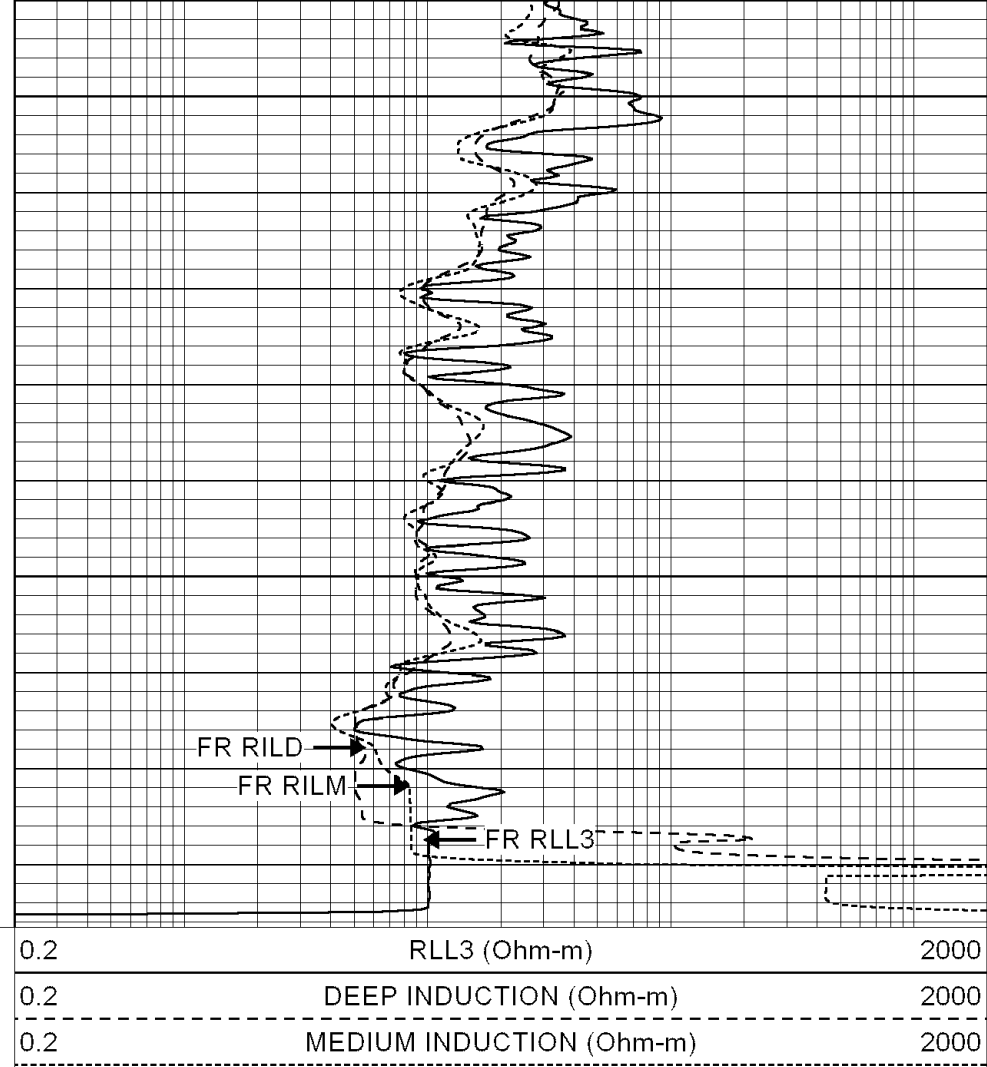




3450

3500

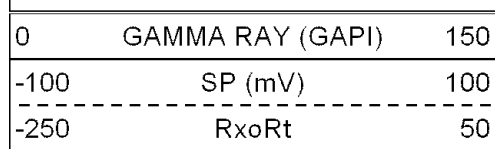
--- TD ---



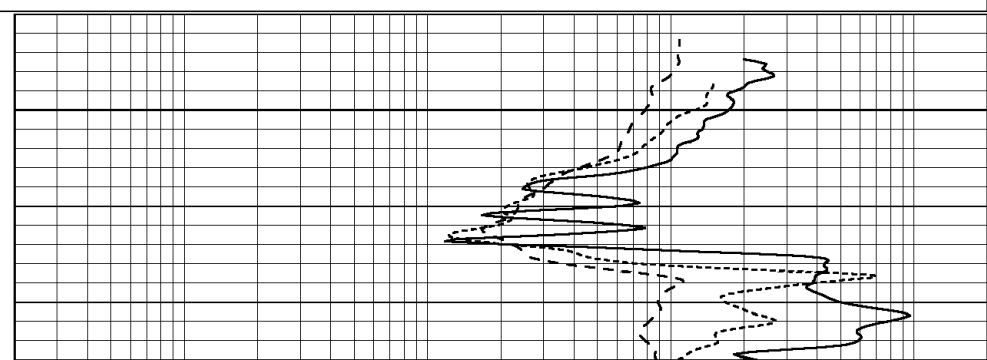
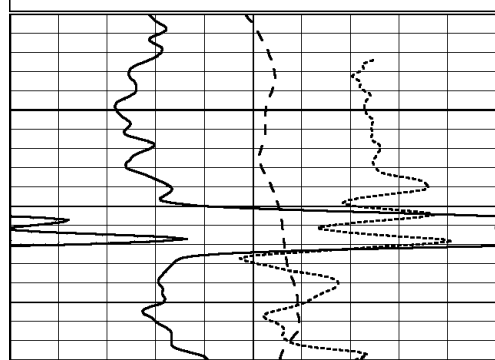
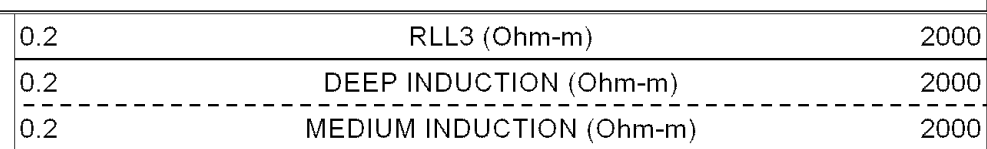
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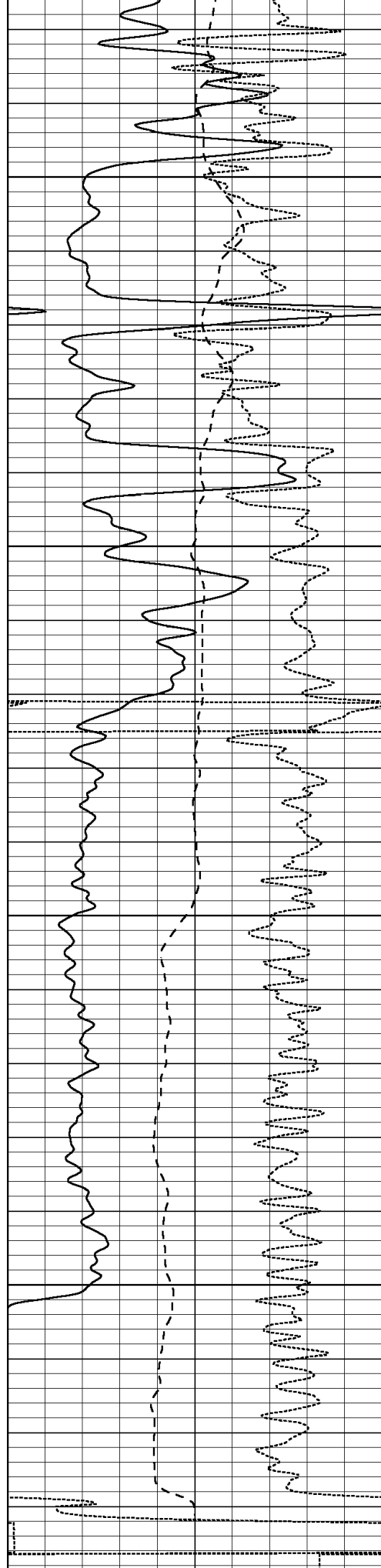
# REPEAT SECTION

Database File: 004789ddn.db  
 Dataset Pathname: pass2.A  
 Presentation Format: dil  
 Dataset Creation: Sun Jan 24 06:25:35 2010 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240



3300





3350

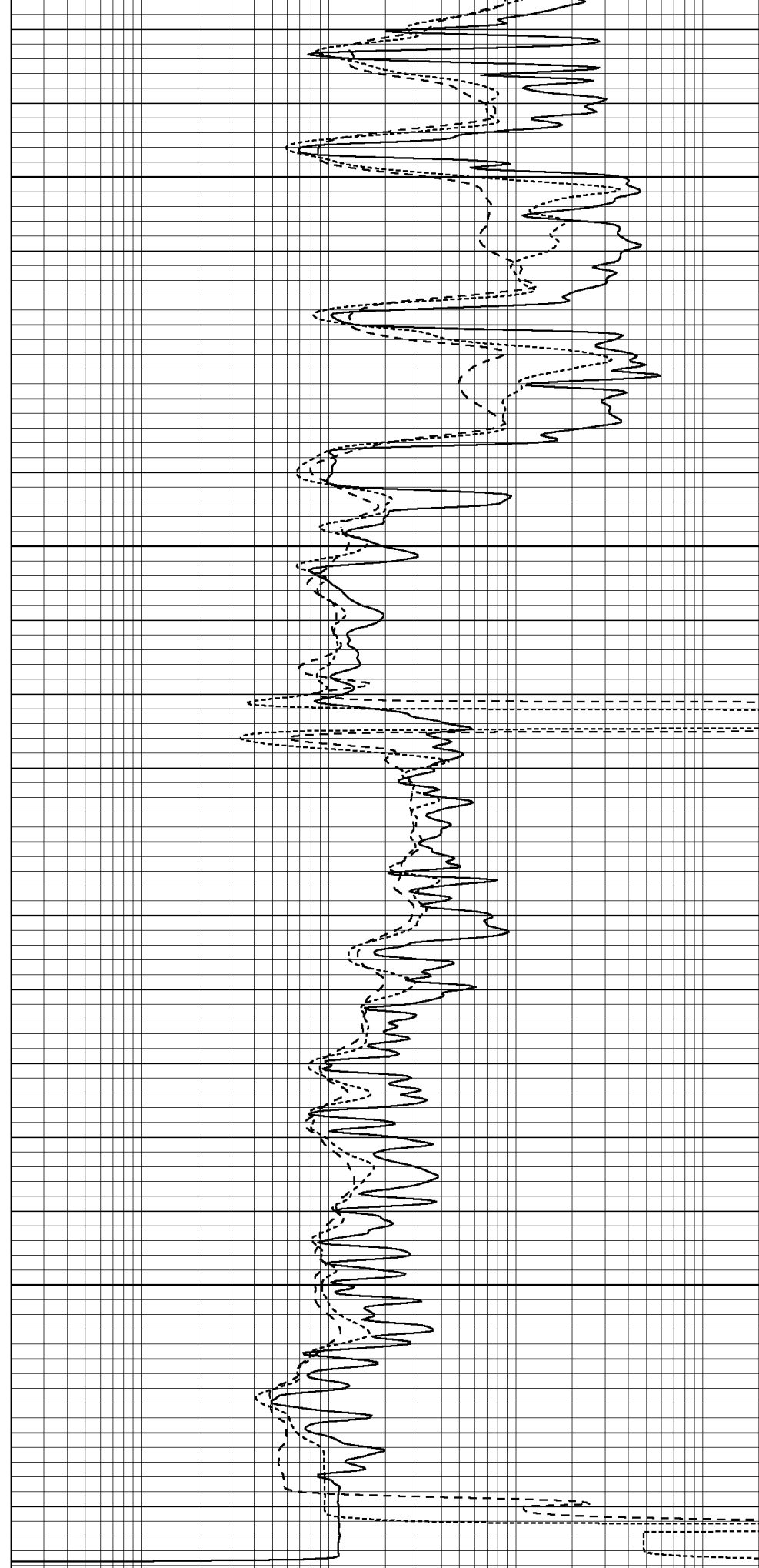
3400

3450

3500

0 GAMMA RAY (GAPI) 150

100 SP (mV) 100



0.2 RLL3 (Ohm-m) 2000

0.2 DEEP INDUCTION (Ohm-m) 2000

|                   |                          |      |
|-------------------|--------------------------|------|
| Serial Number:    | GR5                      |      |
| Tool Model:       | OPEN                     |      |
| Performed:        | Fri Jan 22 15:30:42 2010 |      |
| Calibrator Value: | 1.0                      | GAPI |

|                     |        |          |
|---------------------|--------|----------|
| Background Reading: | 0.0    | cps      |
| Calibrator Reading: | 1.0    | cps      |
| Sensitivity:        | 0.6000 | GAPI/cps |