



# DUAL INDUCTION LOG

|                              |                                            |                |                    |
|------------------------------|--------------------------------------------|----------------|--------------------|
| Company                      | INFINITY OIL, INC.                         | Company        | INFINITY OIL, INC. |
| Well                         | 4H FOUNDATION #1                           | Well           | 4H FOUNDATION #1   |
| Field                        | WILDCAT                                    | Field          | WILDCAT            |
| County                       | GOVE                                       | County         | GOVE               |
| State                        | KANSAS                                     | State          | KANSAS             |
| Location:                    | API # : 15-063-22297-0000                  | Other Services | CDL/CNL<br>MEL/SON |
| Permanent Datum              | GROUND LEVEL                               | Elevation      | 2763               |
| Log Measured From            | 2045' FNL & 1670' FWL<br>NE - SW - SE - NW |                |                    |
| Drilling Measured From       | SEC 18 TWP 14S RGE 31W<br>KELLY BUSHING    |                |                    |
| Date                         | 10/28/16                                   |                |                    |
| Run Number                   | ONE                                        |                |                    |
| Depth Driller                | 4482                                       |                |                    |
| Depth Logger                 | 4484                                       |                |                    |
| Bottom Logged Interval       | 4482                                       |                |                    |
| Top Log Interval             | 00                                         |                |                    |
| Casing Driller               | 8 5/8"@260'                                |                |                    |
| Casing Logger                | 260                                        |                |                    |
| Bit Size                     | 7 7/8"                                     |                |                    |
| Type Fluid in Hole           | CHEMICAL MUD                               | CHLORIDES      | 9,500 PPM          |
| Density / Viscosity          | 9.2/46                                     |                |                    |
| pH / Fluid Loss              | 10.0/8.8                                   |                |                    |
| Source of Sample             | FLOWLINE                                   |                |                    |
| Rim @ Meas. Temp             | .600@80F                                   |                |                    |
| Rmf @ Meas. Temp             | .450@80F                                   |                |                    |
| Rmc @ Meas. Temp             | .720@80F                                   |                |                    |
| Source of Rmf / Rmc          | MEASUREMENT                                |                |                    |
| Rim @ BHT                    | .400@120F                                  |                |                    |
| Time Circulation Stopped     | 8 HOURS                                    |                |                    |
| Time Logger on Bottom        | 3:00 A.M.                                  |                |                    |
| Maximum Recorded Temperature | 120F                                       |                |                    |
| Equipment Number             | 922339                                     |                |                    |
| Location                     | HAYS, KANSAS                               |                |                    |
| Recorded By                  | JEFF LUEBBERS                              |                |                    |
| Witnessed By                 | KEITH REAVIS                               |                |                    |

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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  
OAKLEY, KS., 20S. ON HWY 83 TO "JAYHAWK RD.", 2E. TO "RD. 10", 1/2N., E. INTO



# MAIN SECTION

Database File: 31336ddn.db  
Dataset Pathname: pass3.6  
Presentation Format: dil2  
Dataset Creation: Fri Oct 28 04:38:15 2016  
Charted by: Depth in Feet scaled 1:600

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

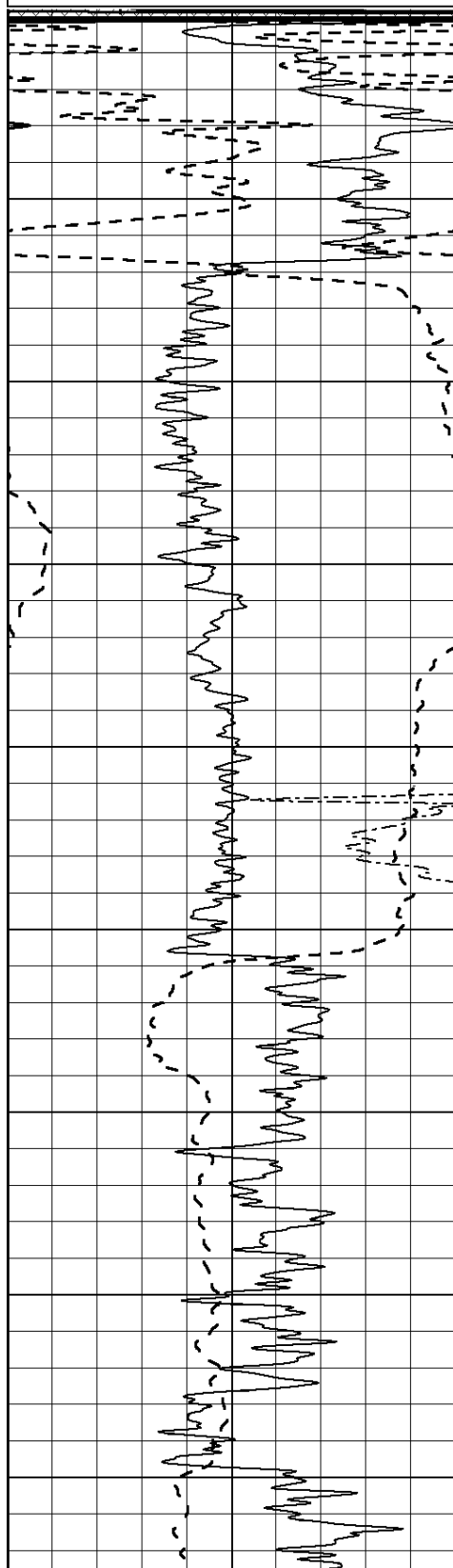
|   |              |    |
|---|--------------|----|
| 0 | RLL3 (Ohm-m) | 50 |
|---|--------------|----|

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

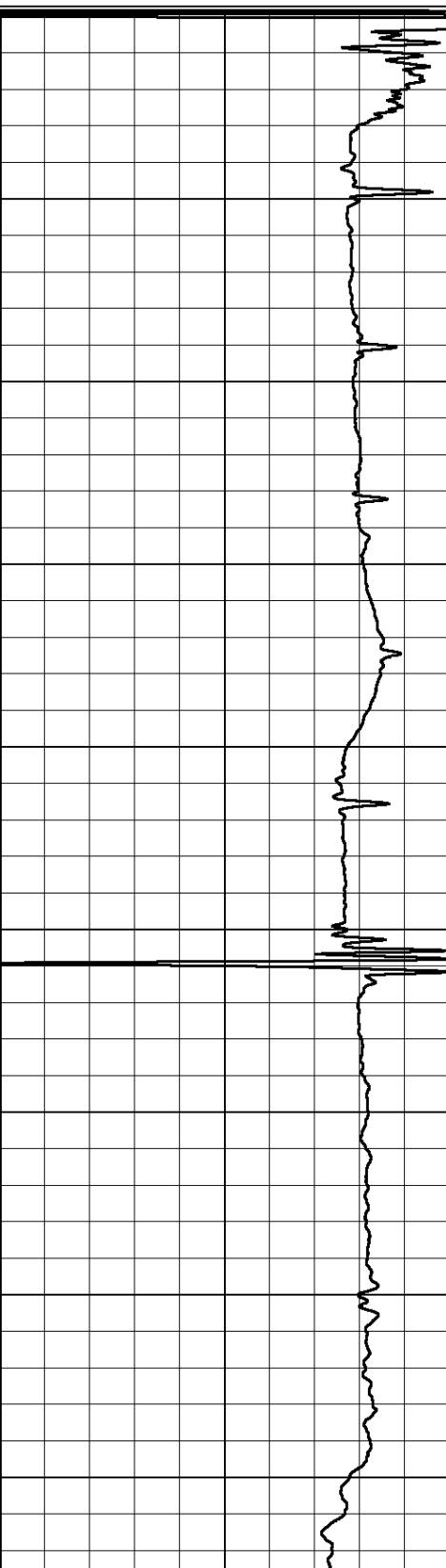
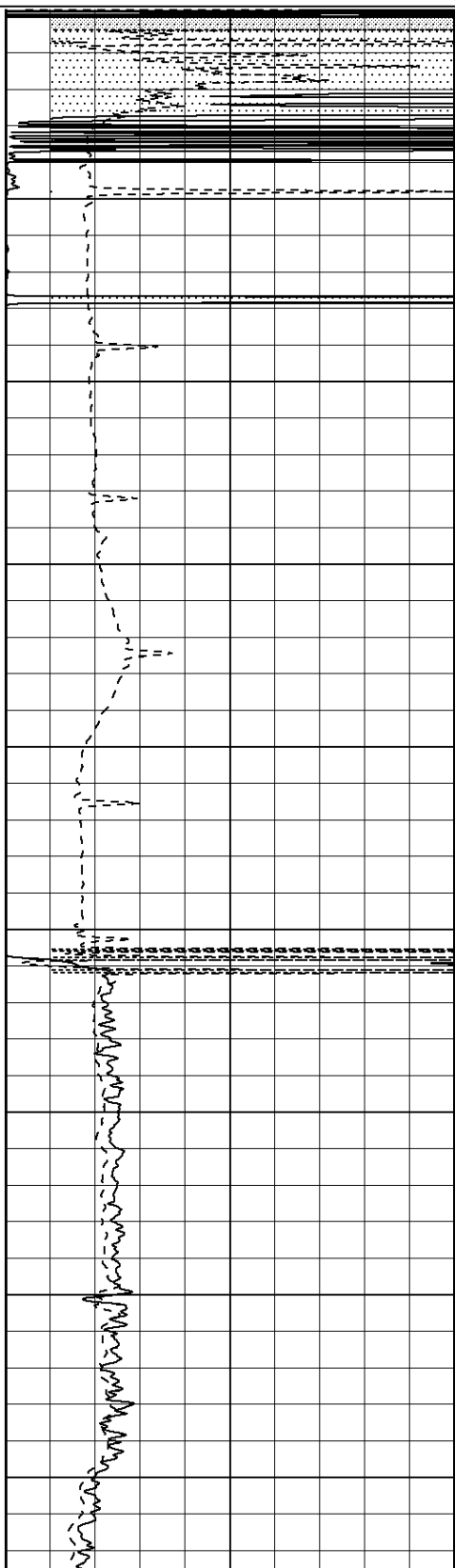
|      |               |   |
|------|---------------|---|
| 1000 | CILD (mmho/m) | 0 |
|------|---------------|---|

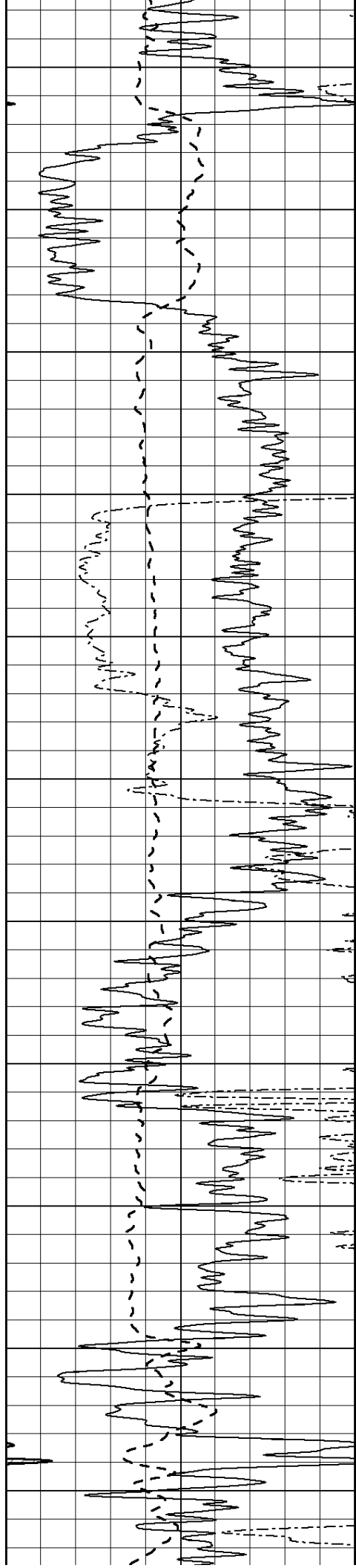
|    |                  |     |
|----|------------------|-----|
| 50 | RILD X10 (Ohm-m) | 500 |
|----|------------------|-----|

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

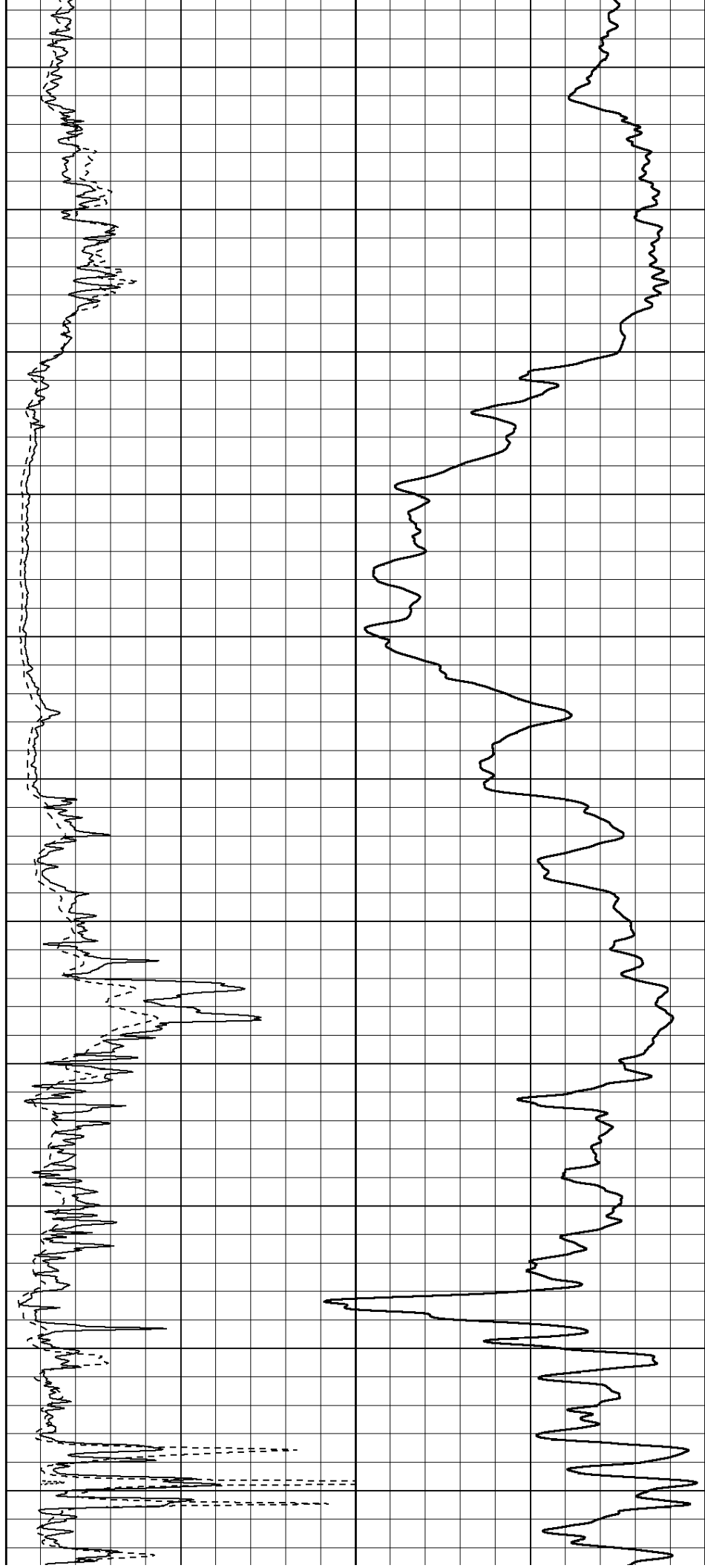


0  
50  
100  
150  
200  
250  
300  
350  
400

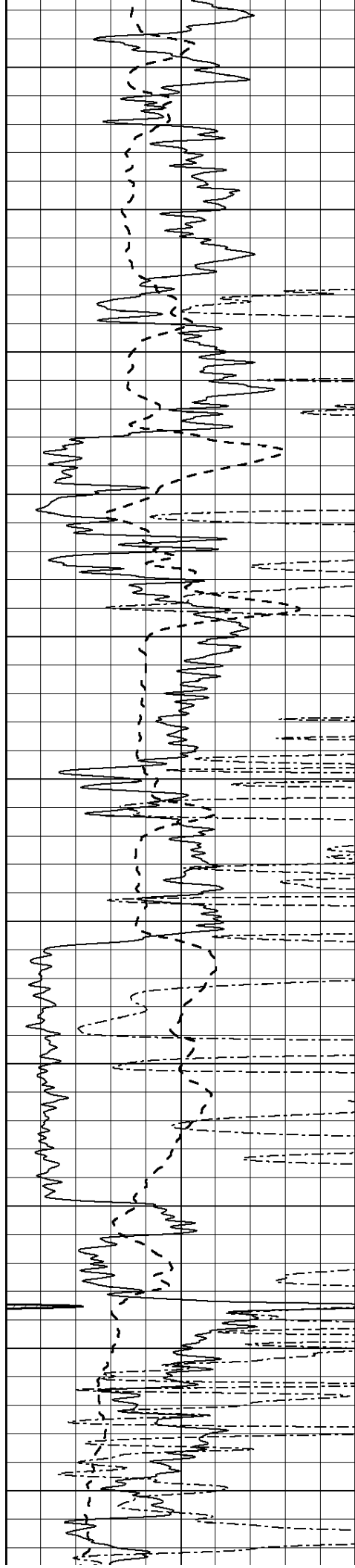




450  
500  
550  
600  
650  
700  
750  
800  
850  
900  
950



900



1000

1050

1100

1150

1200

1250

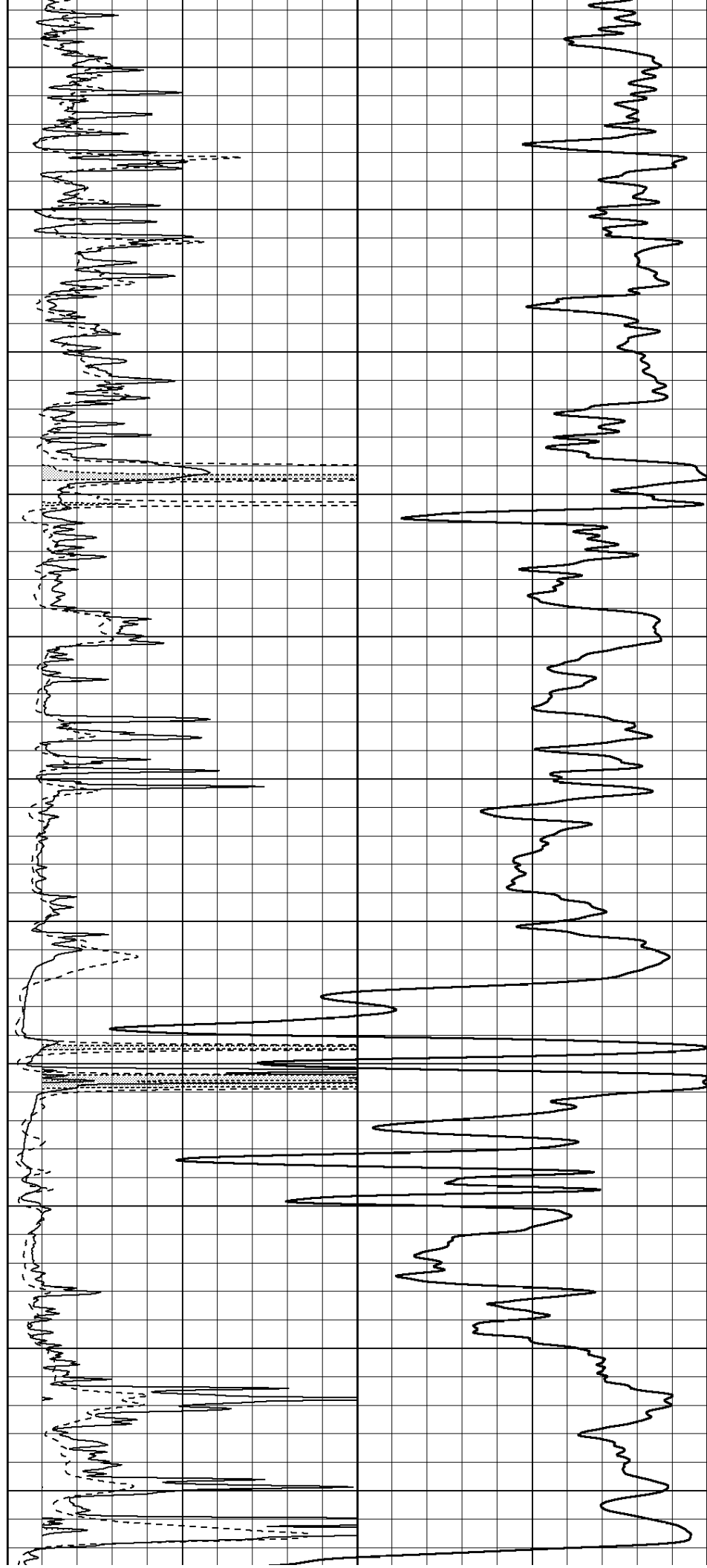
1300

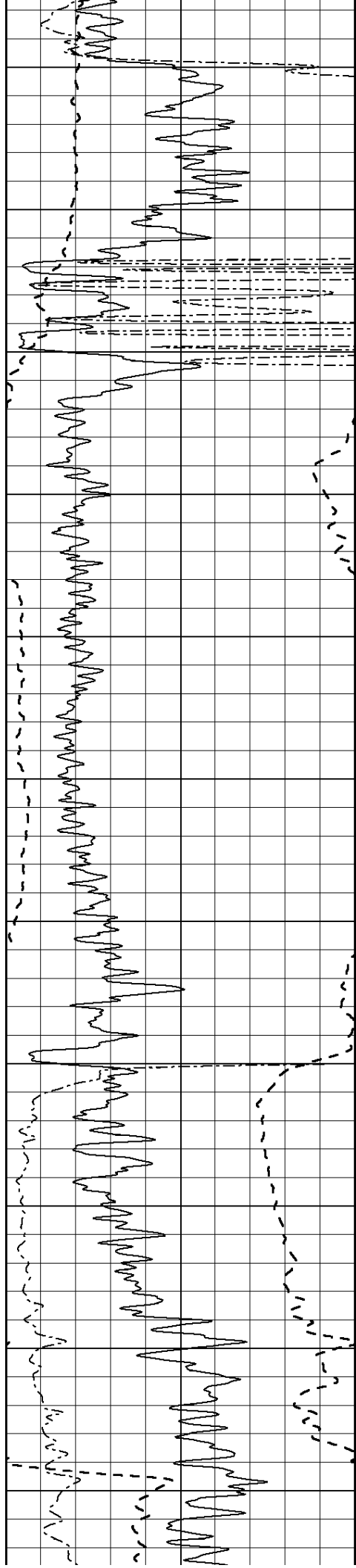
1350

1400

1450

1500





1550

1600

1650

1700

1750

1800

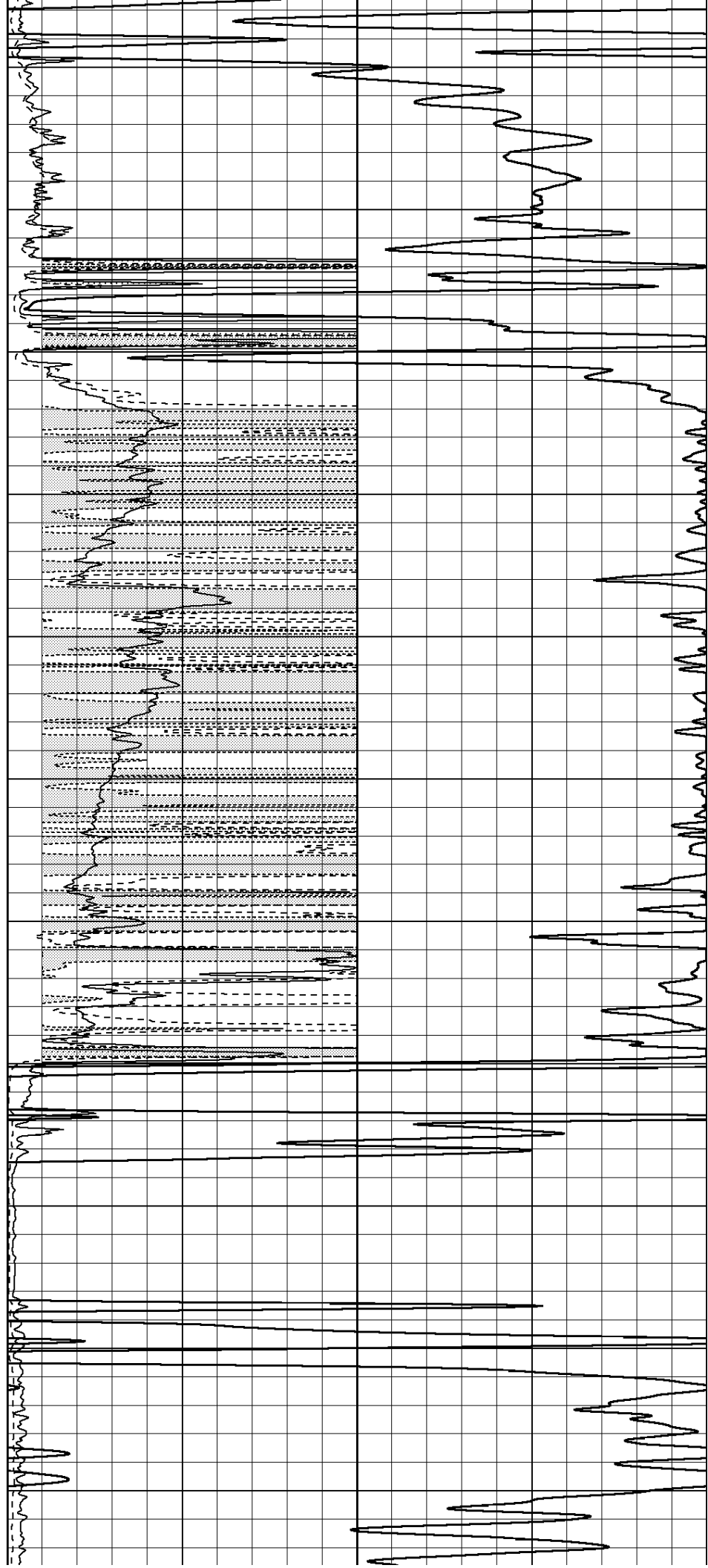
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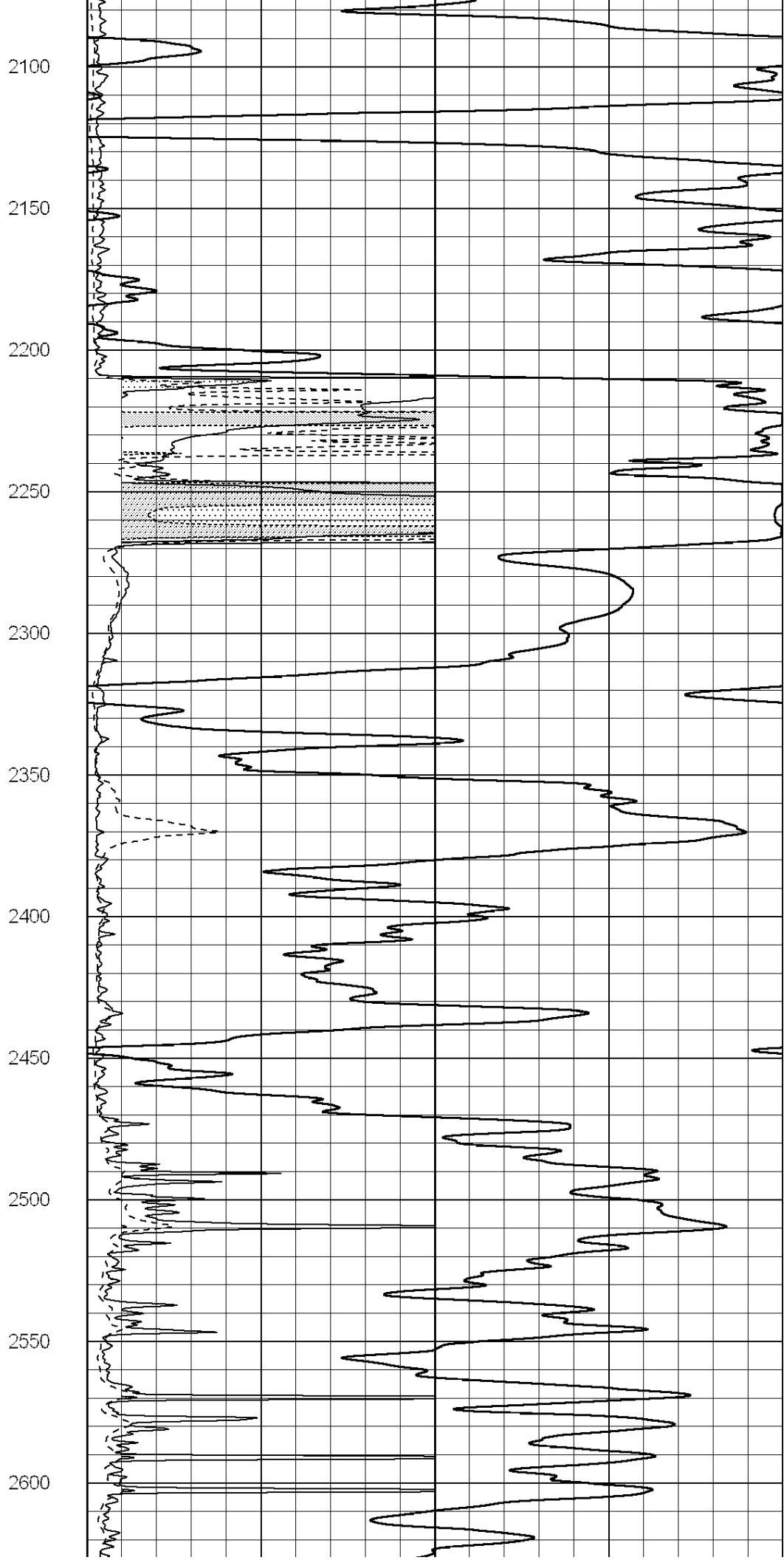
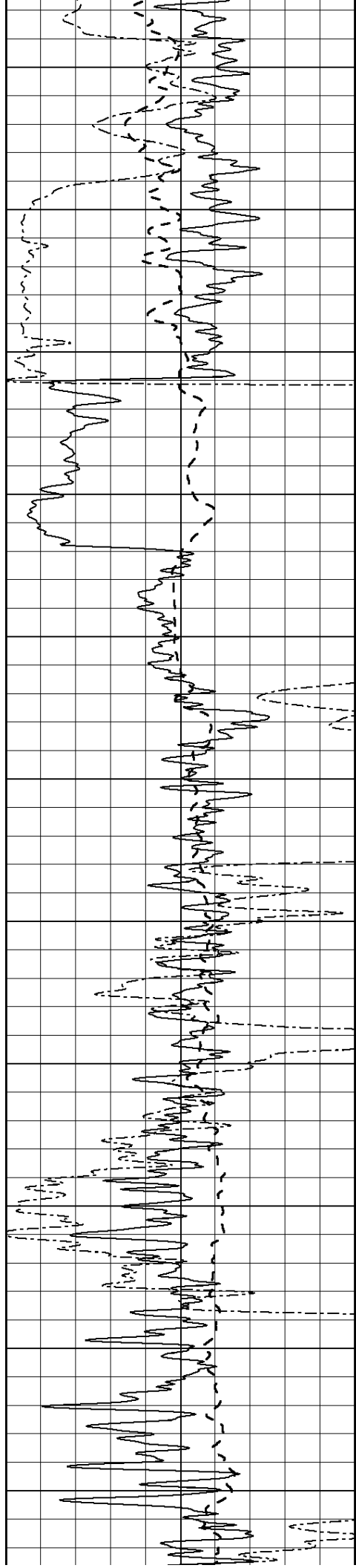
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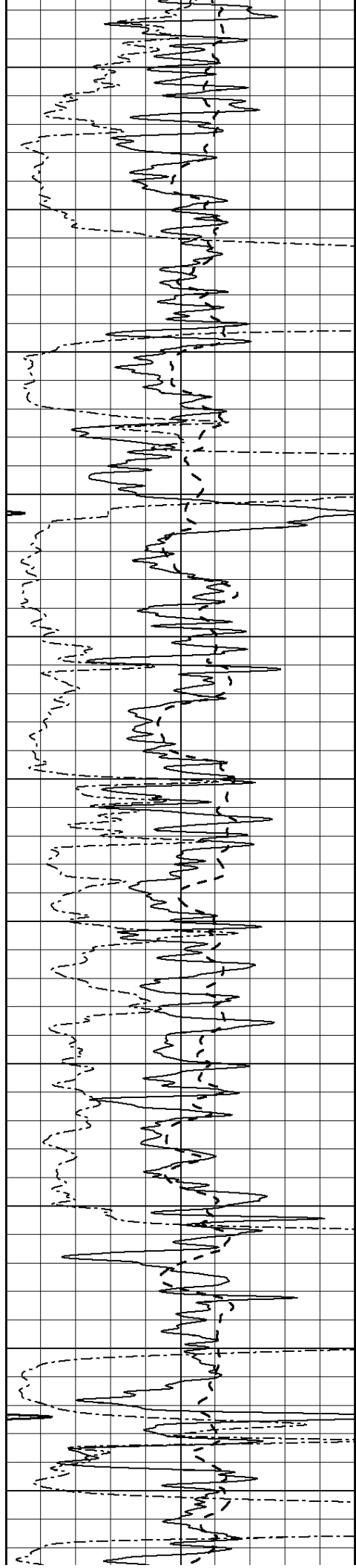
1950

2000

2050







2650

2700

2750

2800

2850

2900

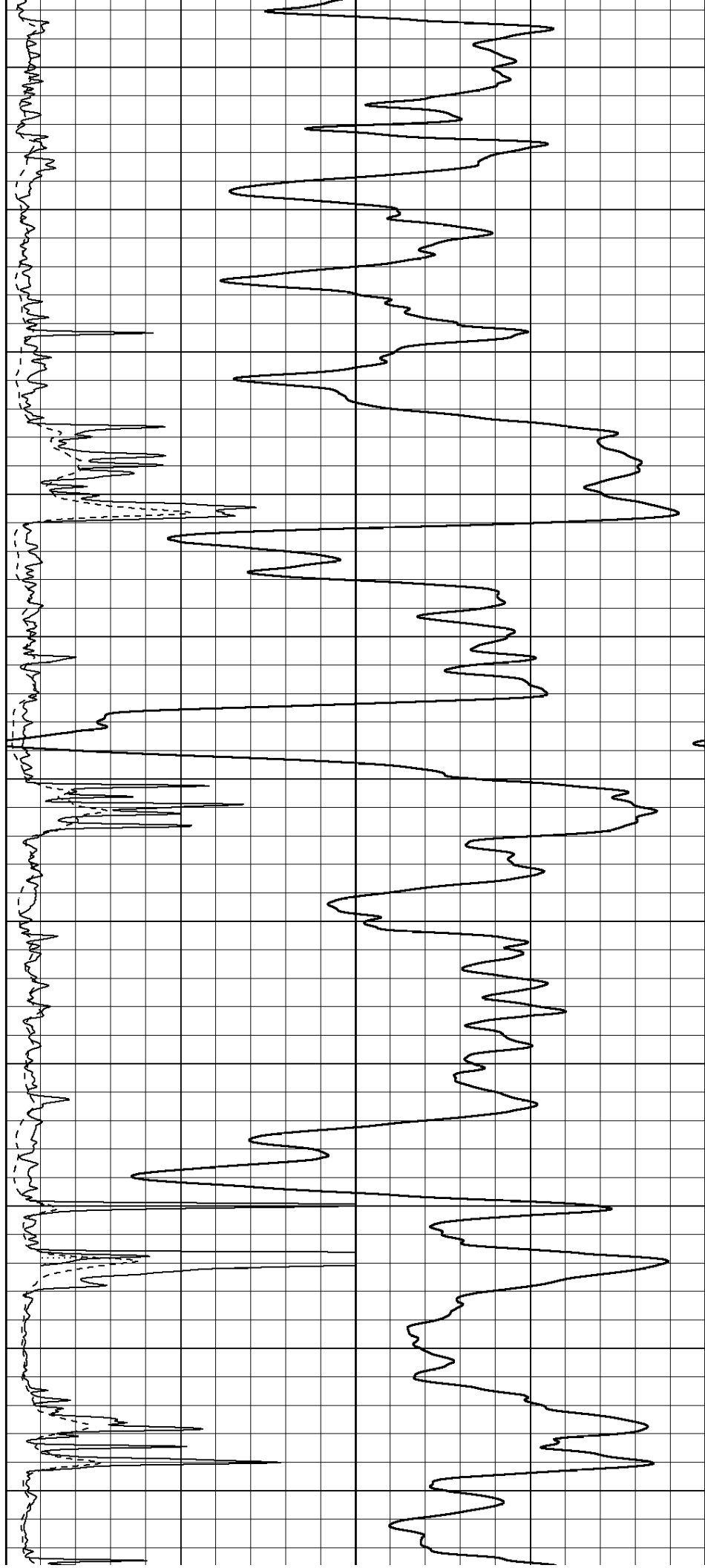
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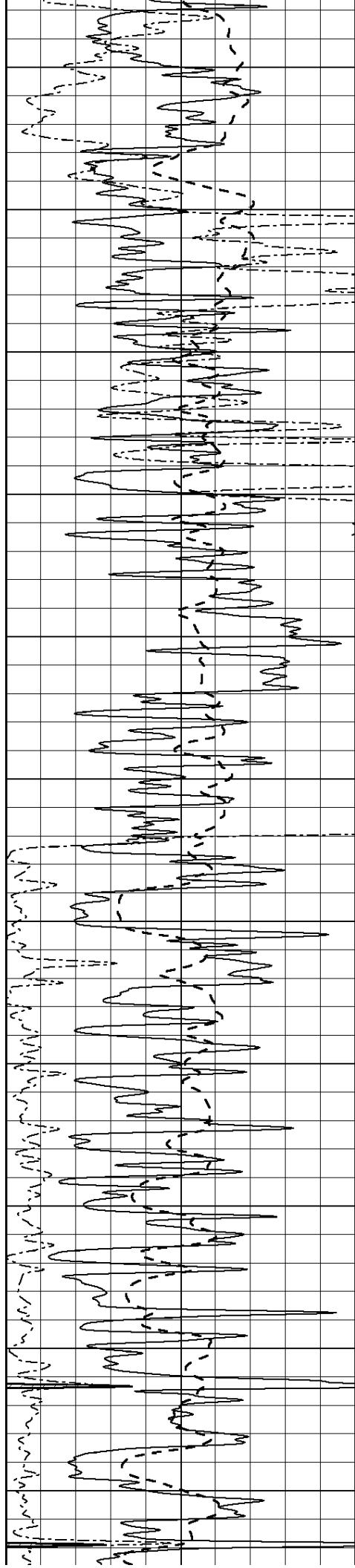
3000

3050

3100

3150





3200

3250

3300

3350

3400

3450

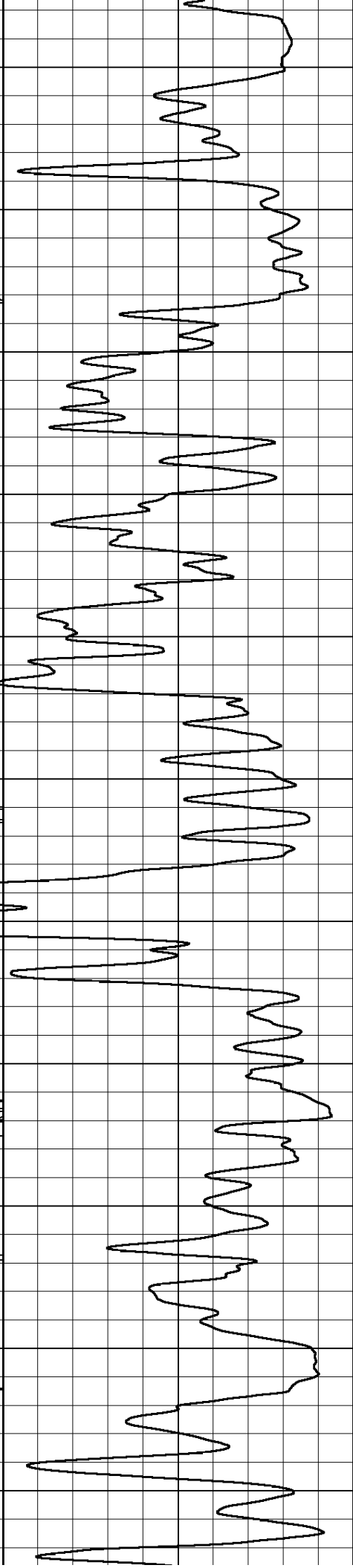
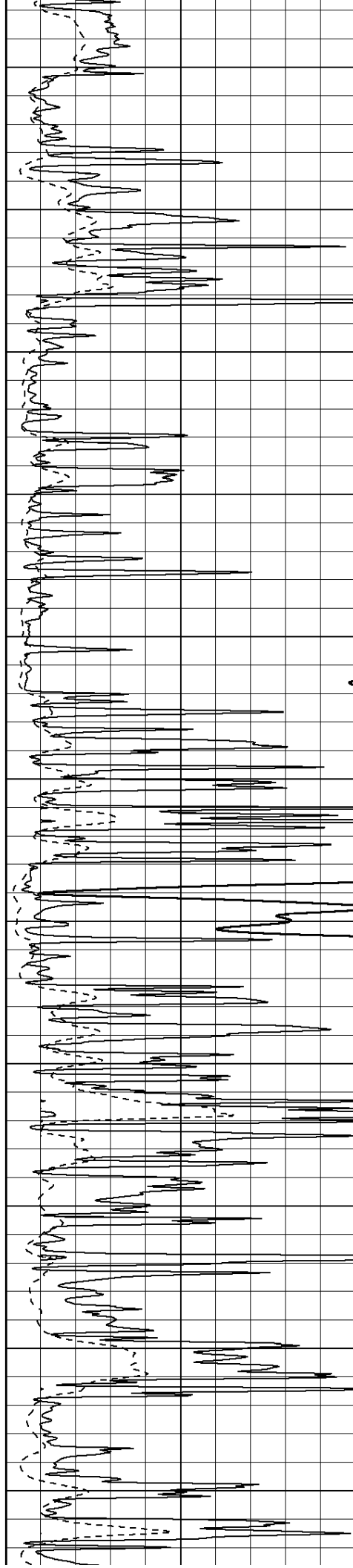
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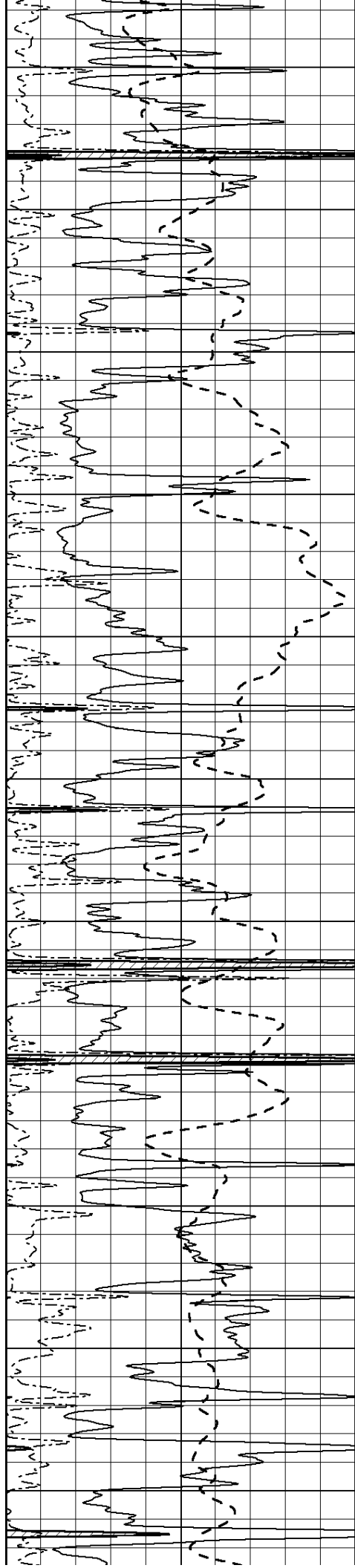
3550

3600

3650

3700





3750

3800

3850

3900

3950

4000

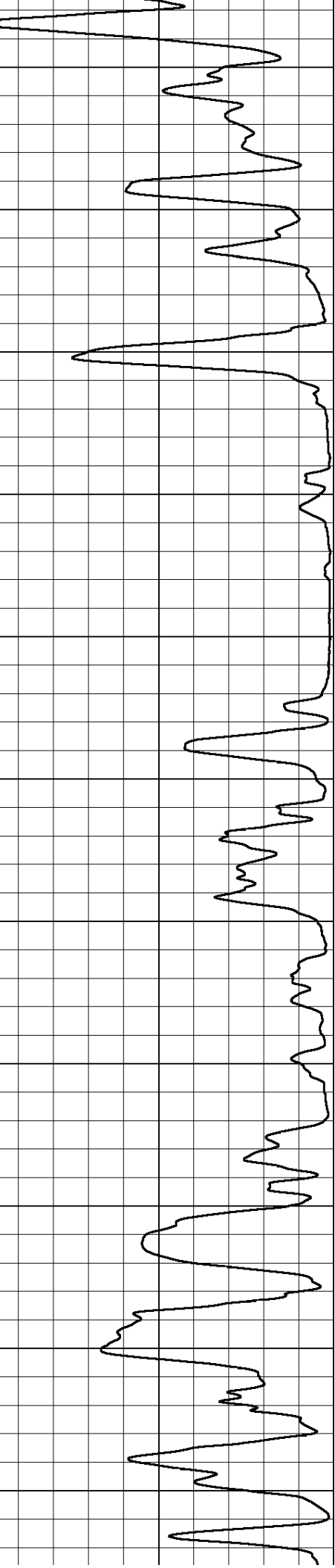
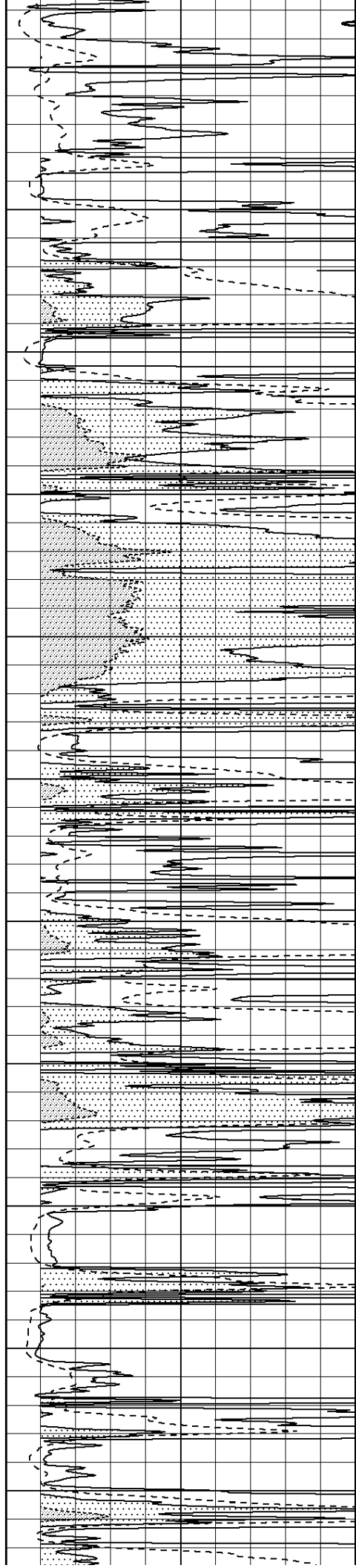
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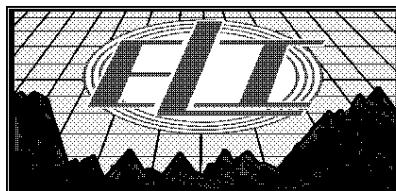
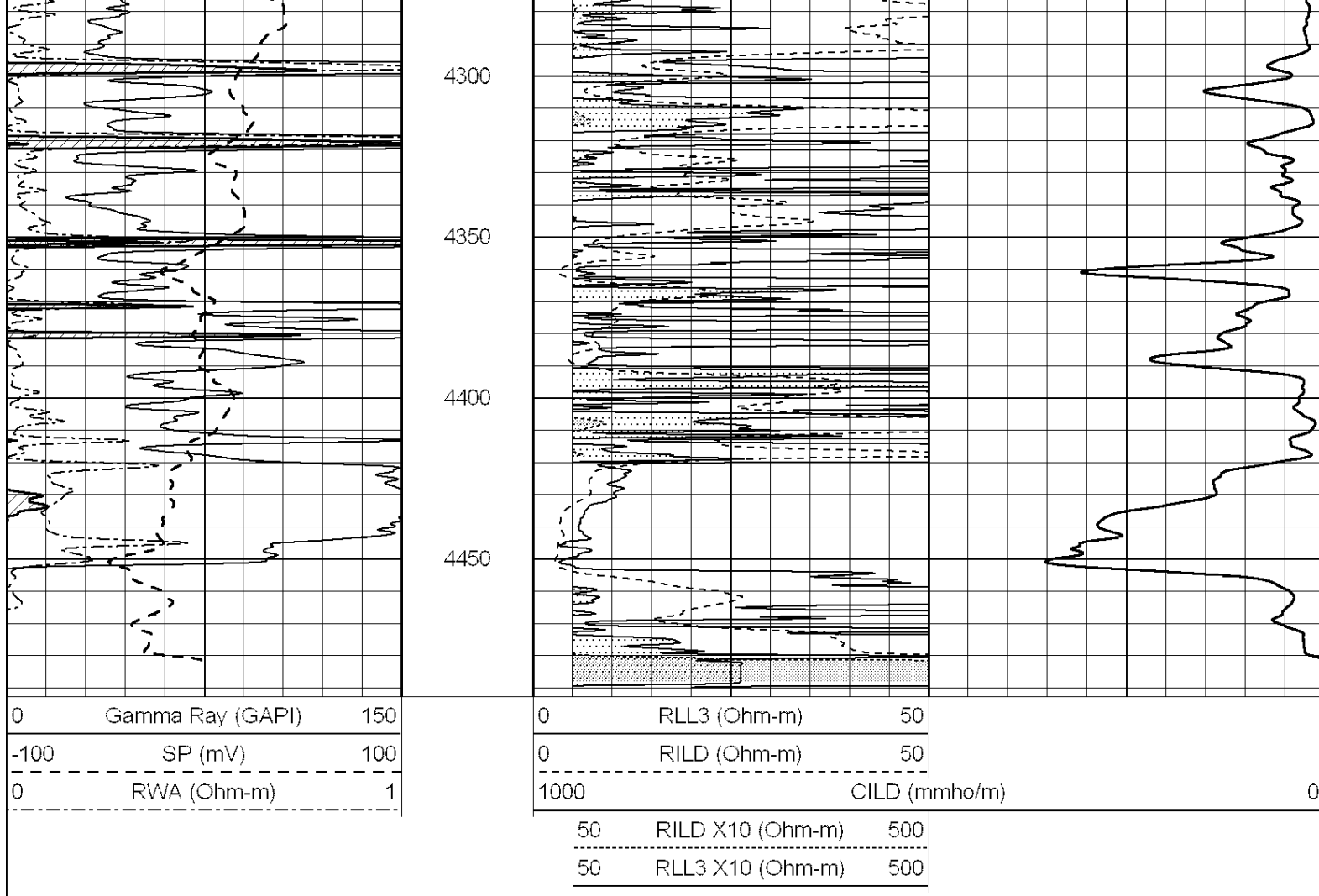
4100

4150

4200

4250

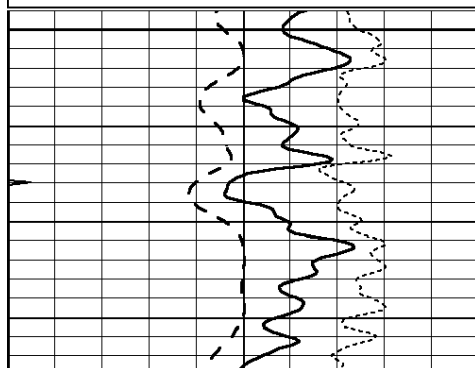




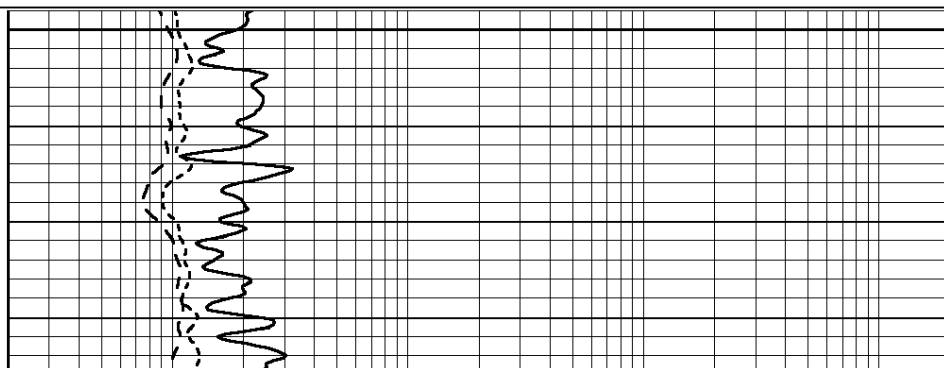
# ANHYDRITE

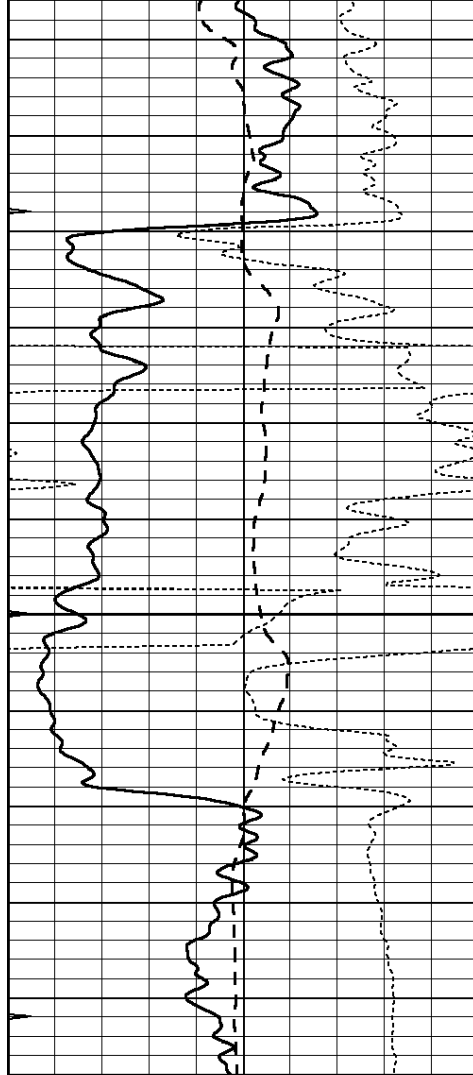
Database File: 31336ddn.db  
 Dataset Pathname: pass3.7  
 Presentation Format: \_dil  
 Dataset Creation: Fri Oct 28 04:38:31 2016  
 Charted by: Depth in Feet scaled 1:240

|      |                  |     |     |                          |      |
|------|------------------|-----|-----|--------------------------|------|
| 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  |     |                          |      |



2150

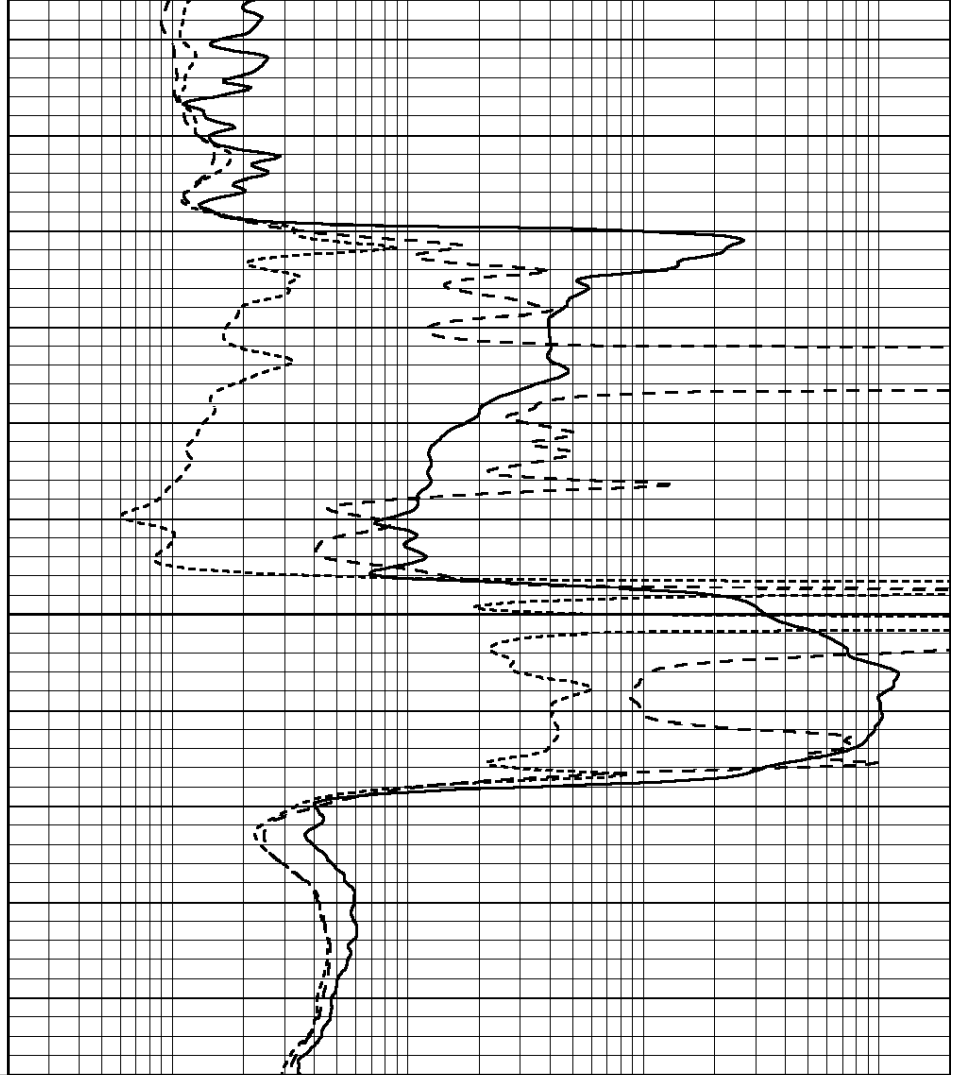




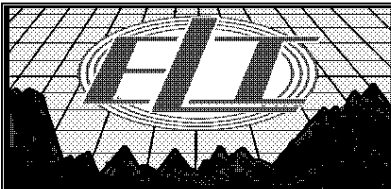
2200

2250

|      |                  |     |
|------|------------------|-----|
| 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 |

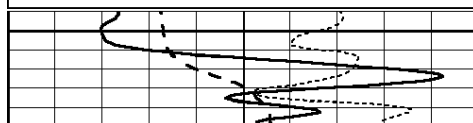


# MAIN SECTION

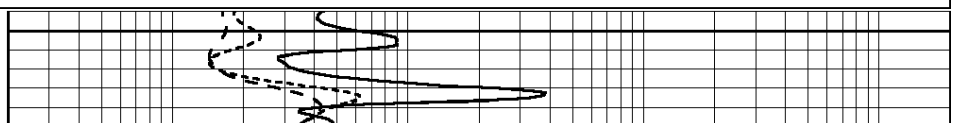
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 Dataset Pathname: pass3.6  
 Presentation Format: \_dil  
 Dataset Creation: Fri Oct 28 04:38:15 2016  
 Charted by: Depth in Feet scaled 1:240

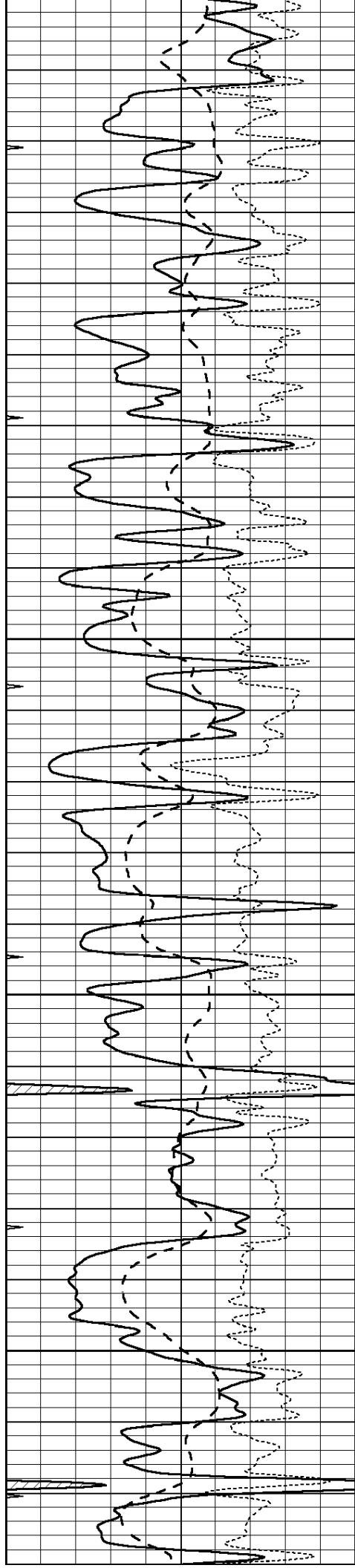
|      |                  |     |
|------|------------------|-----|
| 0    | GAMMA RAY (GAPI) | 150 |
| -100 | SP (mV)          | 100 |
| -250 | Rxo/Rt           | 50  |
| 0    | MINMK            | 20  |

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



3500



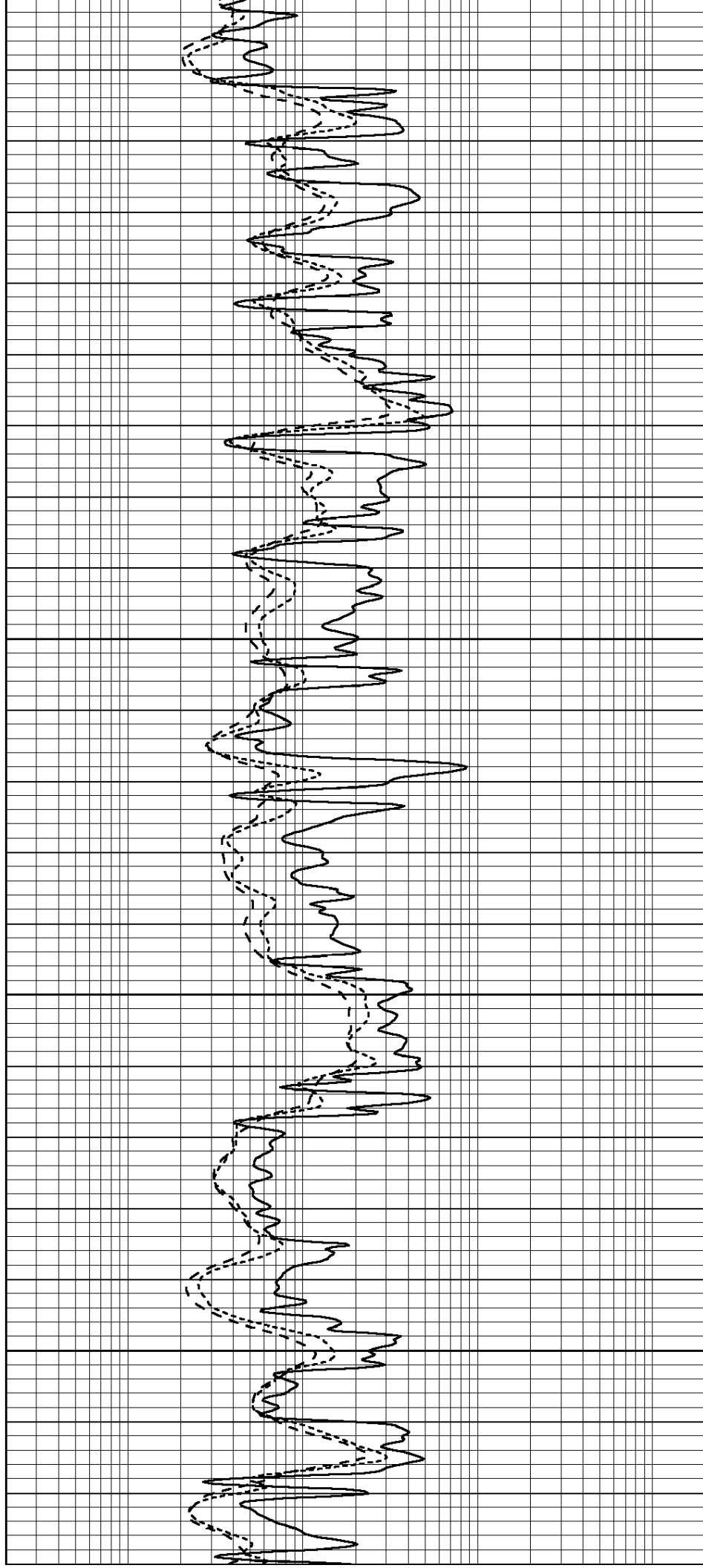


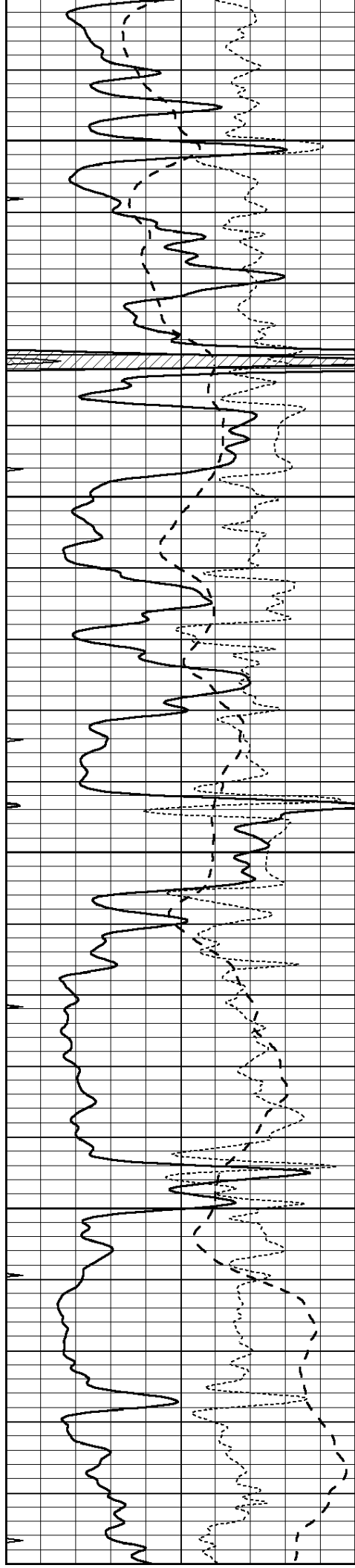
3550

3600

3650

3700





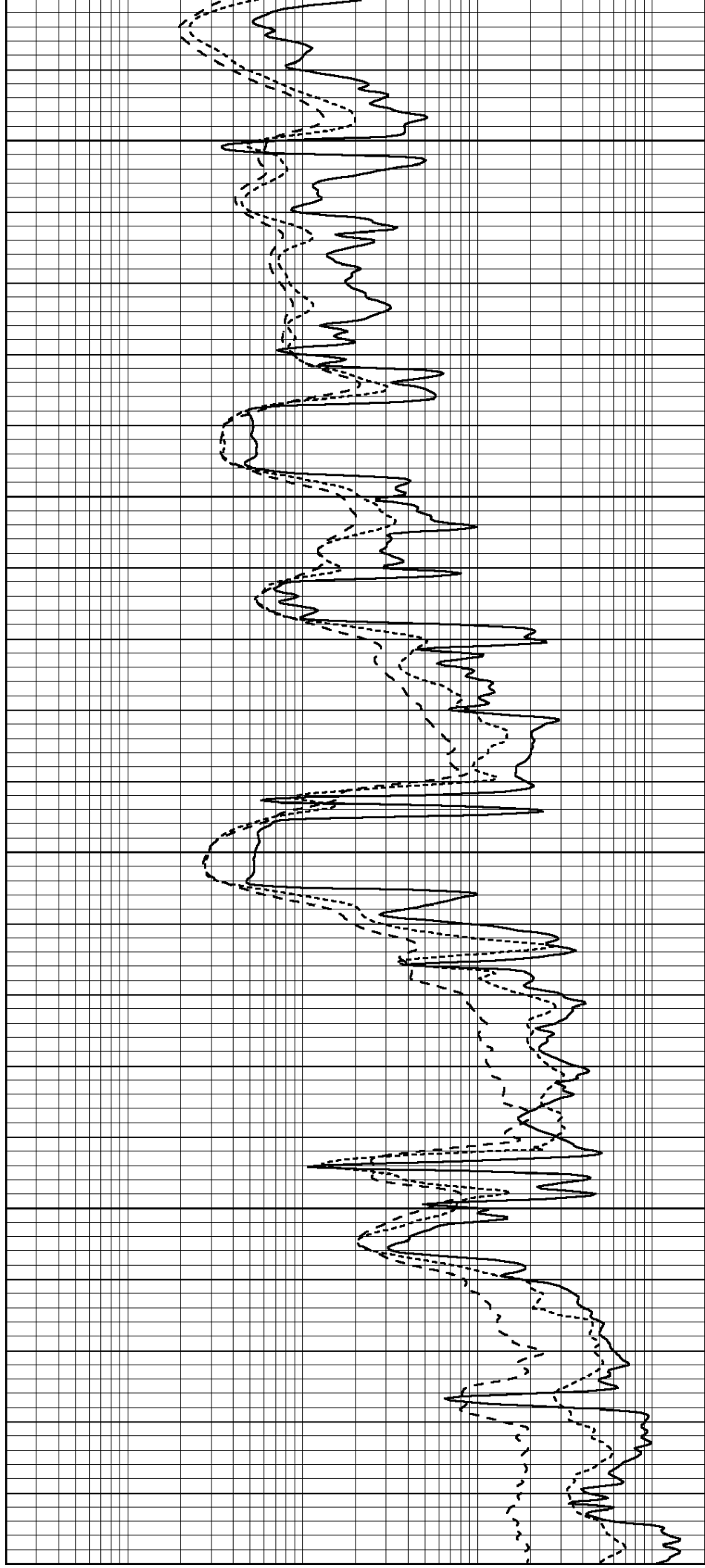
3750

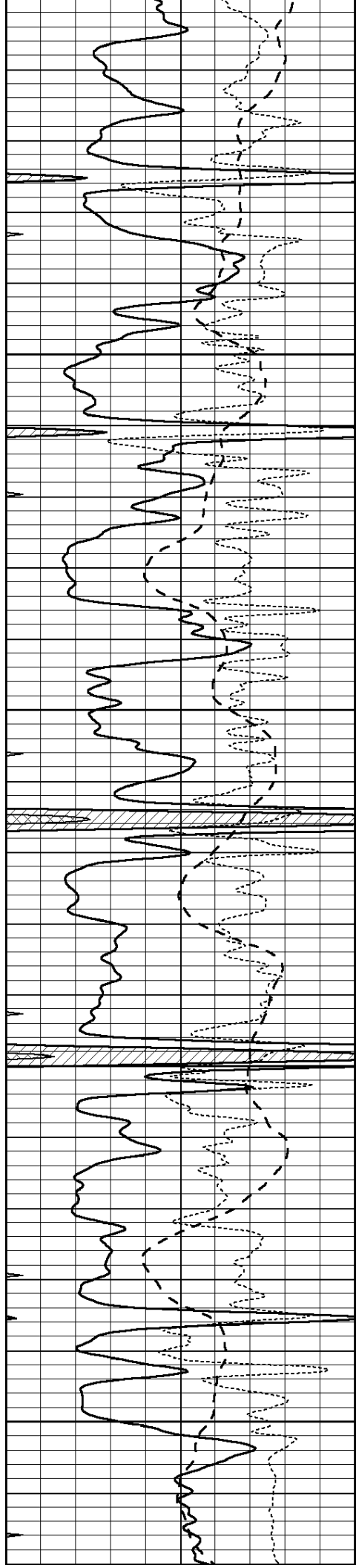
3800

3850

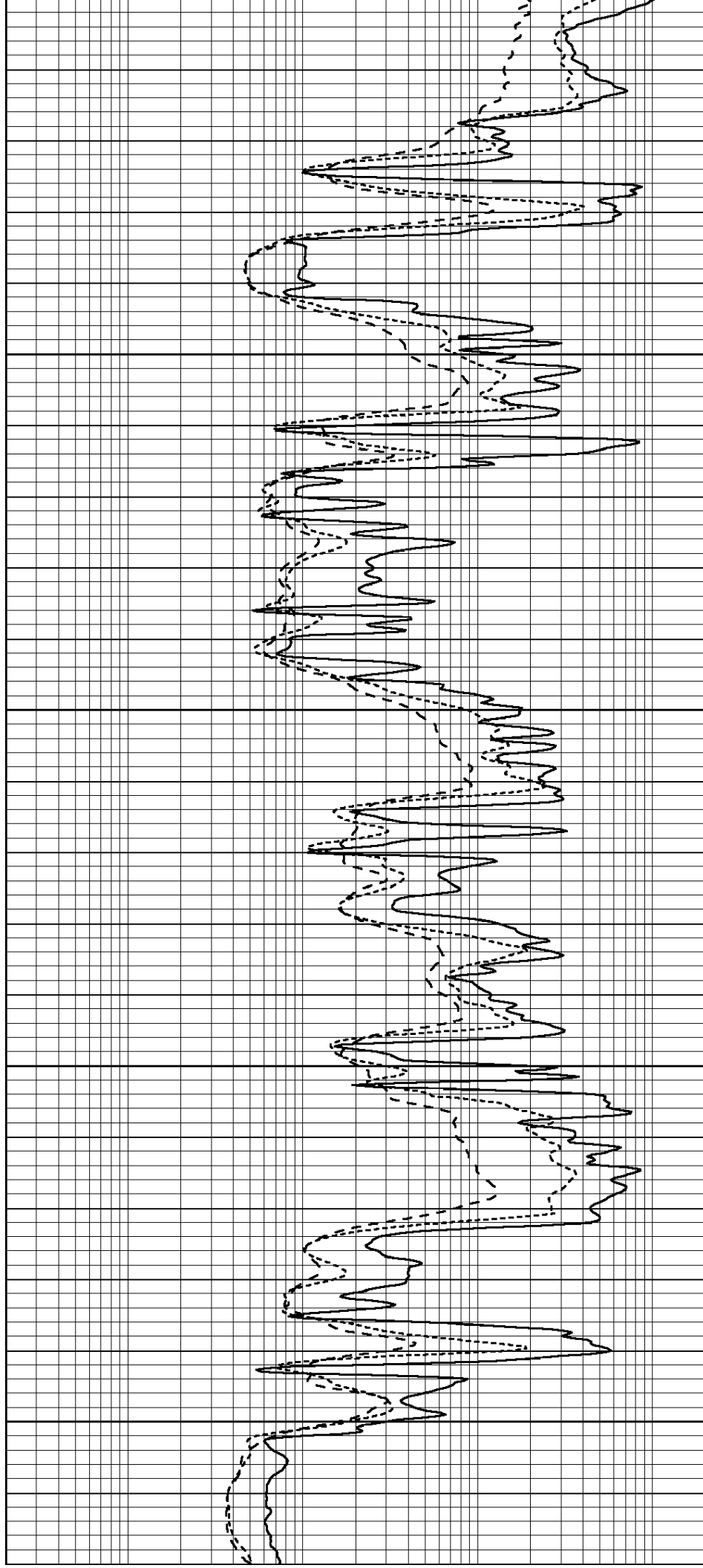
3900

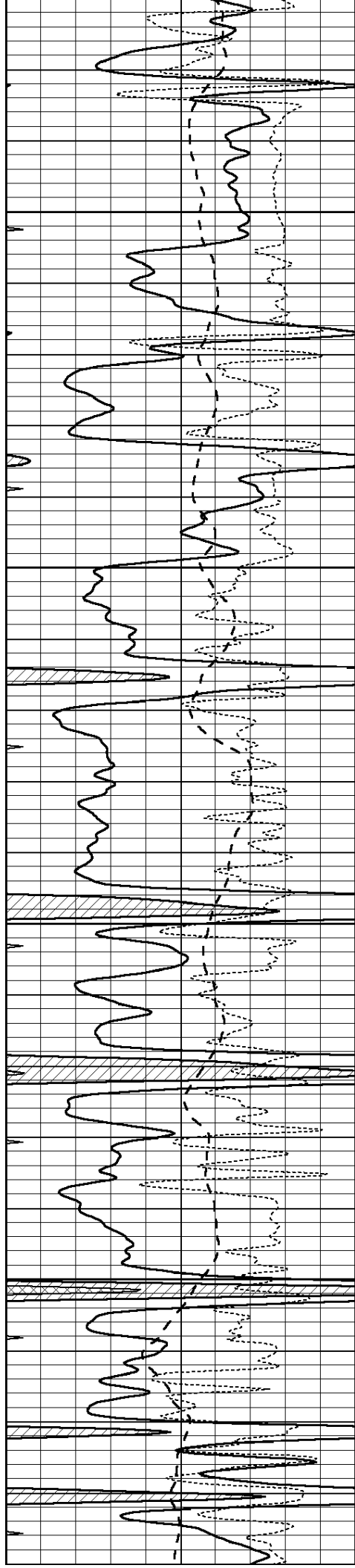
3950





3330  
4000  
4050  
4100  
4150



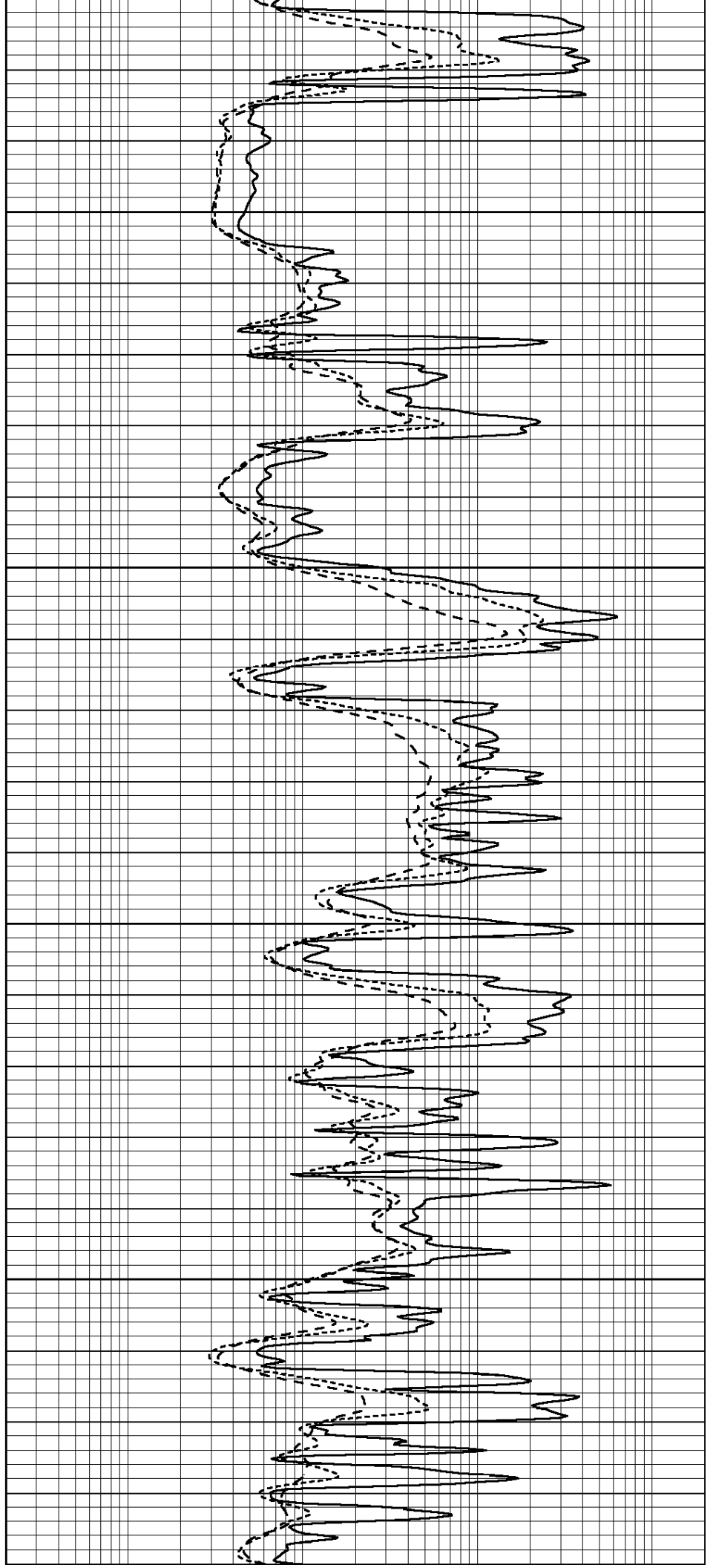


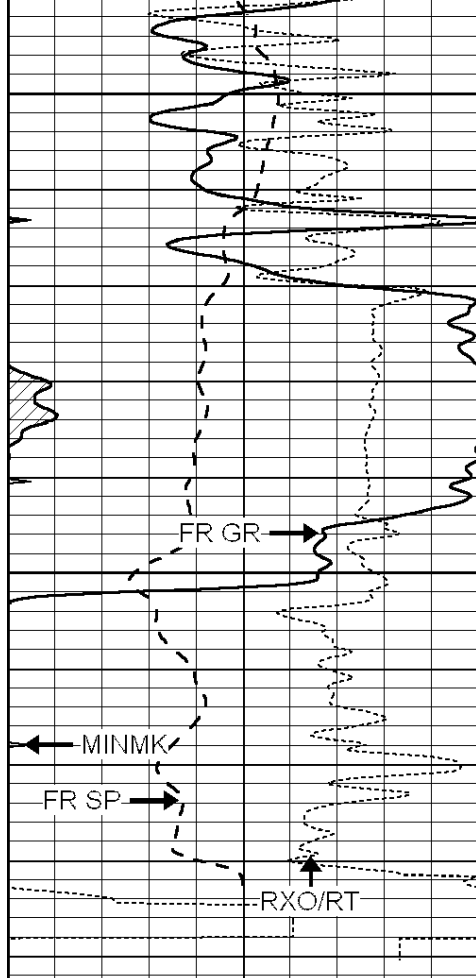
4200

4250

4300

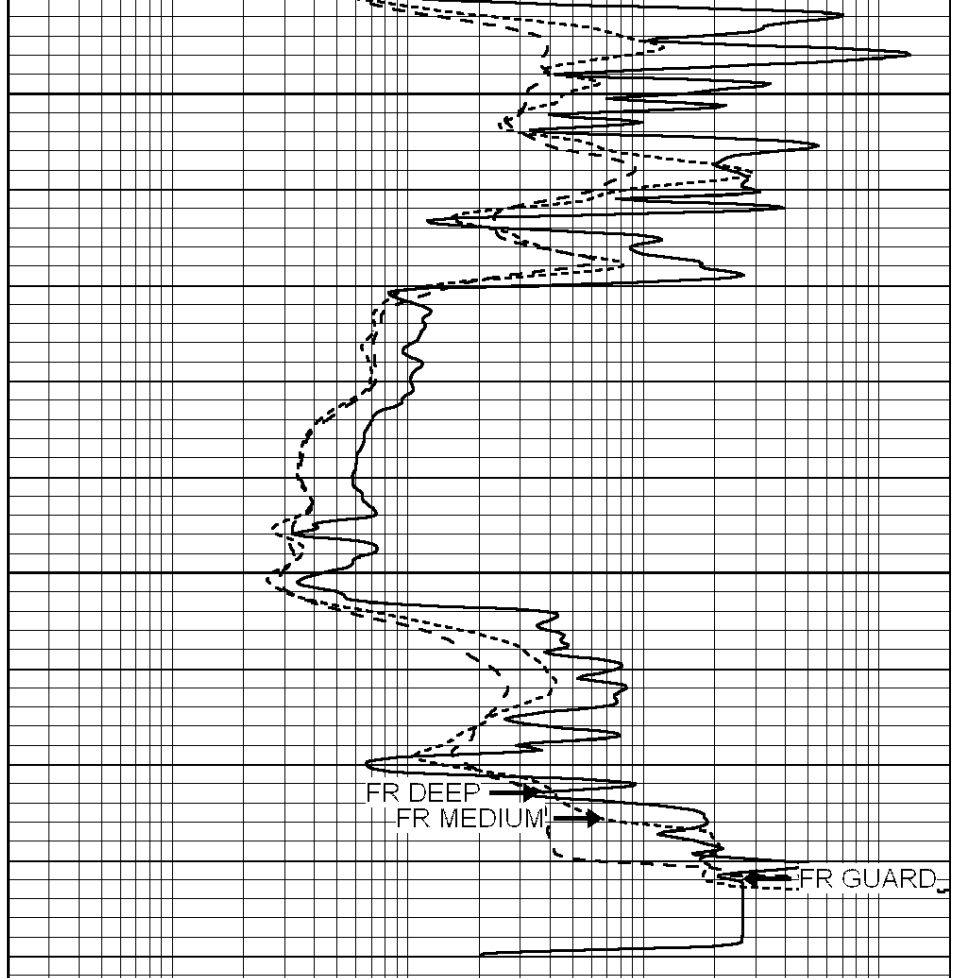
4350



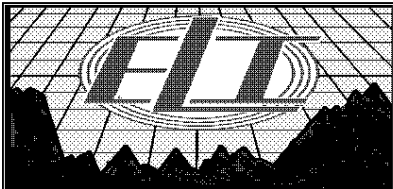


4400  
4450  
LTD 4484

|      |                  |     |
|------|------------------|-----|
| 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 |

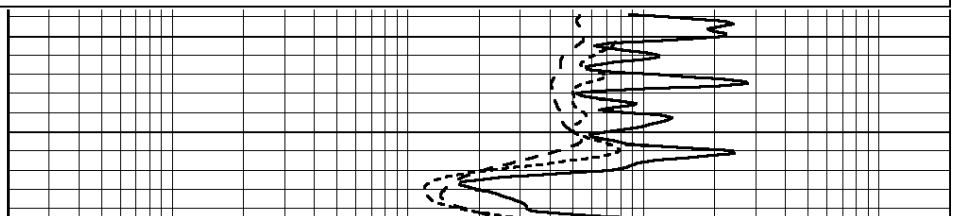
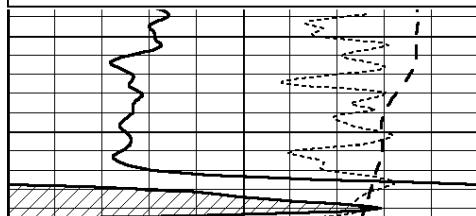


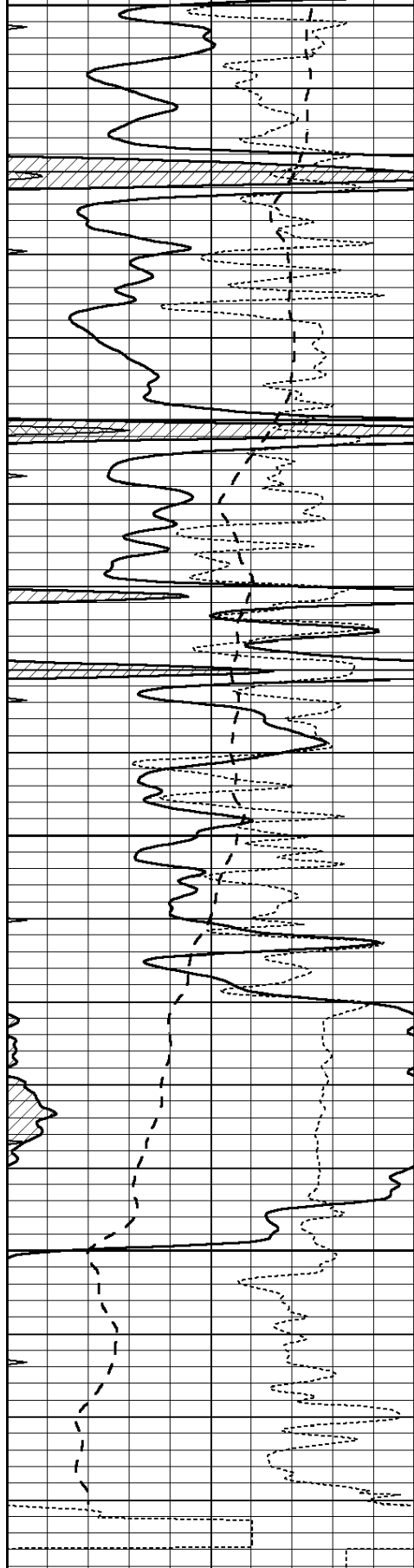
## REPEAT SECTION

Database File: 31336ddn.db  
Dataset Pathname: pass2.7  
Presentation Format: \_dil  
Dataset Creation: Fri Oct 28 04:39:00 2016 by Calc SOC 120430  
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 |





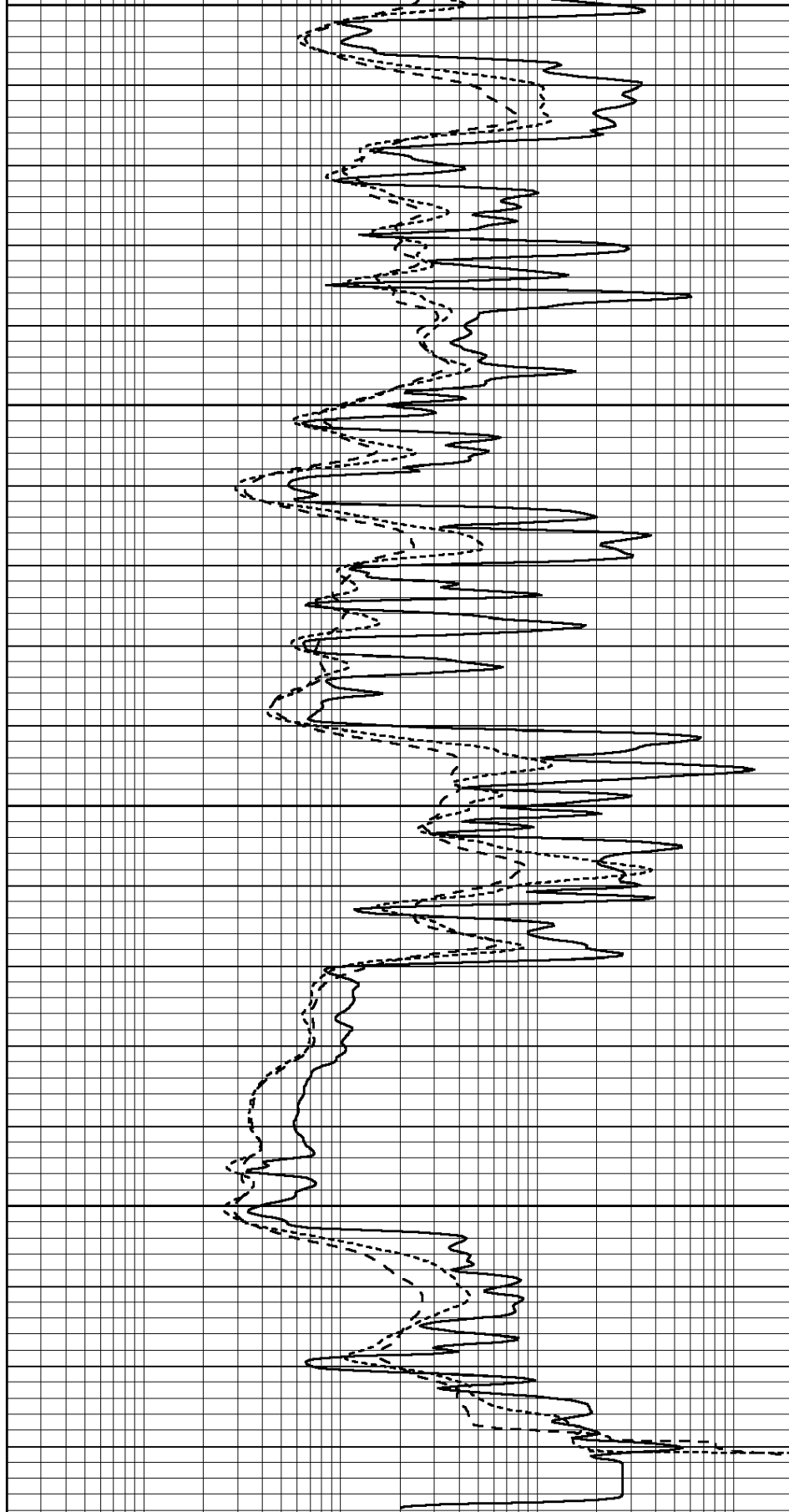
|      |                  |     |
|------|------------------|-----|
| 0    | GAMMA RAY (GAPI) | 150 |
| -100 | SP (mV)          | 100 |
| -250 | Rxo/Rt           | 50  |
| 0    | MINMK            | 20  |

4300

4350

4400

4450



|     |                          |      |
|-----|--------------------------|------|
| 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: 31336ddn.db  
Dataset Pathname: pass3.6  
Dataset Creation: Fri Oct 28 04:38:15 2016

## Dual Induction Calibration Report

Serial-Model: PROBE7-DILG  
Surface Cal Performed: Fri Oct 28 03:00:05 2016  
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 | 625.000 | 3.000   |
| Medium    | 0.039  | 0.728 | V | 0.000      | 464.000 | mmho/m | 675.000 | -42.000 |
| 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: 003N Model: PRB

### Master Calibration

Performed Mon Mar 14 08:48:13 2016

|             | Background | Magnesium   | Aluminum | Sandstone           |         |
|-------------|------------|-------------|----------|---------------------|---------|
| Window 1    | 1751.3     | 11741.0     | 3857.3   | 12907.8             | cps     |
| Window 2    | 1589.4     | 9536.2      | 3267.6   | 10282.0             | cps     |
| Window 3    | 1413.4     | 6466.1      | 2463.2   | 6828.7              | cps     |
| Window 4    | 399.5      | 407.1       | 405.1    | 406.5               | cps     |
| Long Space  | 0.0        | 7946.7      | 1678.1   | 8692.6              | cps     |
| Short Space | 2.2        | 3366.2      | 2134.1   | 3410.2              | cps     |
| Rho         |            | 1.7100      | 2.5900   | 1.3800              | g/cc    |
| Pe          |            | 0.0000      | 2.5700   | 1.5500              |         |
| Rib Angle   | : 43.7     | Rib Slope   | : 0.954  | Density/Spine Ratio | : 0.543 |
| Spine Angle | : 73.7     | Spine Slope | : 3.412  | Spine Intercept     | : -18.7 |

### 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: Mon Aug 22 01:00:15 2016

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps  
Calibrator Reading: 1.0 cps

Sensitivity: 0.2800 GAPI/cps