



# DUAL INDUCTION LOG

Company SANQUINE RESOURCES, LLC.  
 Well ALBERS #1-13  
 Field KLEWENO  
 County NESS State KANSAS

Location: API #: 15-135-26218-0000  
 463' FSL & 695' FWL  
 NW - SE - SW - SW  
 SEC 13 TWP 17S RGE 22W  
 Permanent Datum GROUND LEVEL Elevation 2278  
 Log Measured From KELLY BUSHING 7' A.G.L.  
 Drilling Measured From KELLY BUSHING  
 Other Services CDL/CNL/PE MEL/SONIC  
 Elevation K.B. 2285 D.F. 2283 G.L. 2278

|                              |               |
|------------------------------|---------------|
| Date                         | 7/18/24       |
| Run Number                   | ONE           |
| Depth Driller                | 4350          |
| Depth Logger                 | 4350          |
| Bottom Logged Interval       | 4348          |
| Top Log Interval             | 00            |
| Casing Driller               | 8.625@229     |
| Casing Logger                | 229           |
| Bit Size                     | 7.785         |
| Type Fluid in Hole           | CHEMICAL MUD  |
| Density / Viscosity          | 9.3/60        |
| pH / Fluid Loss              | 10.5/6.0      |
| Source of Sample             | FLOWLINE      |
| Rm @ Meas. Temp              | .800@88F      |
| Rmf @ Meas. Temp             | .600@88F      |
| Rmc @ Meas. Temp             | .960@88F      |
| Source of Rmf / Rmc          | MEASUREMENT   |
| Rm @ BHT                     | .592119F      |
| Time Circulation Stopped     | 2 HOURS       |
| Time Logger on Bottom        | 10:00 A.M.    |
| Maximum Recorded Temperature | 119F          |
| Equipment Number             | 922339        |
| Location                     | HAYS, KANSAS  |
| Recorded By                  | JEFF LUEBBERS |
| Witnessed By                 | SEAN DEENIHAN |
|                              | GARRETT GEIST |
|                              | ROSS KARLIN   |

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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.

15-135-26218-0000 Comments

THANK YOU FOR USING ELI WIRELINE HAYS. KANSAS (785) 628-6395  
 DIRECTIONS  
 BROWNELL, KS., E. ON HWY 4 TO "RD. DD", 5S. TO "RD. 210", 1/2W., N. INTO

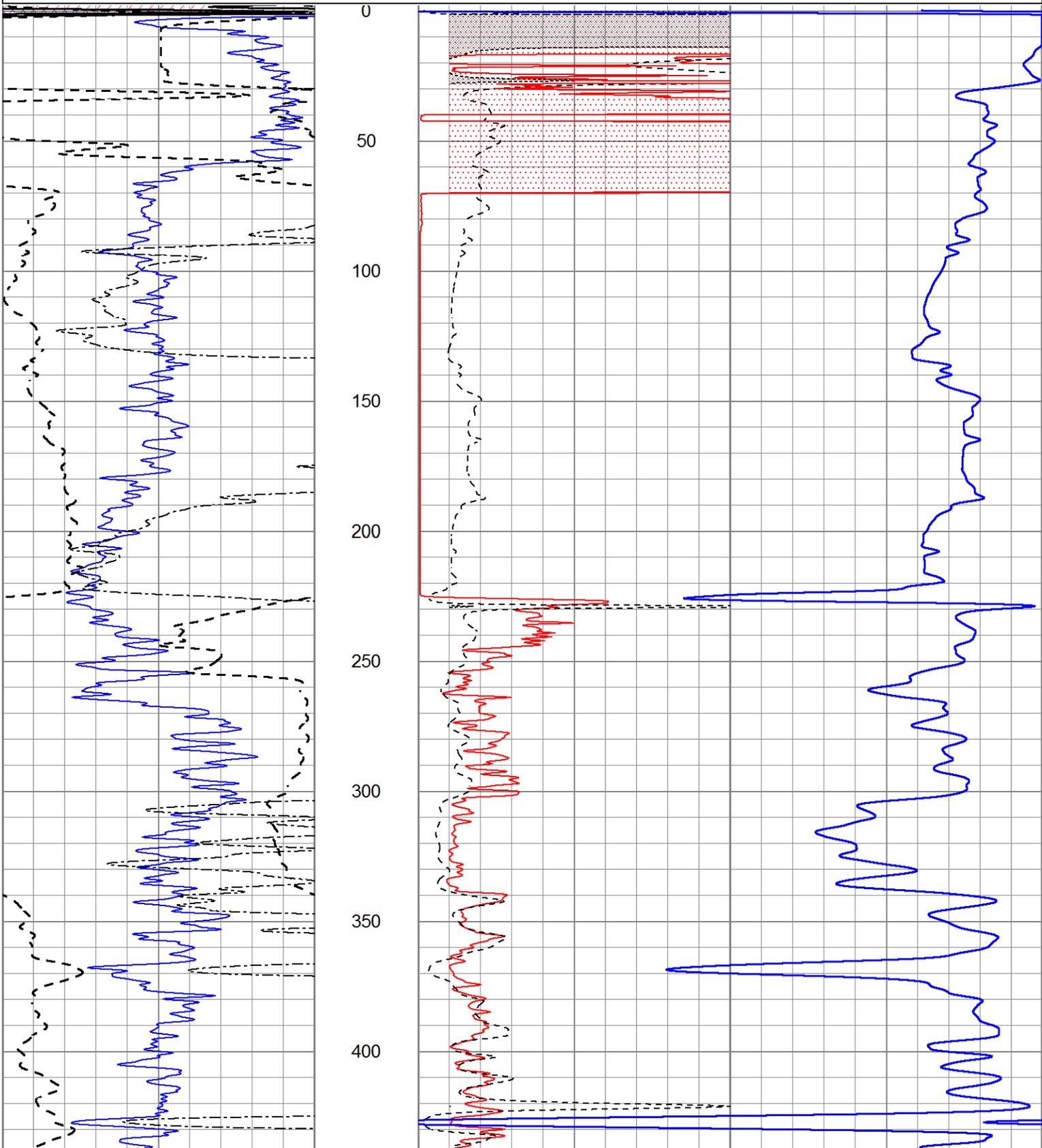


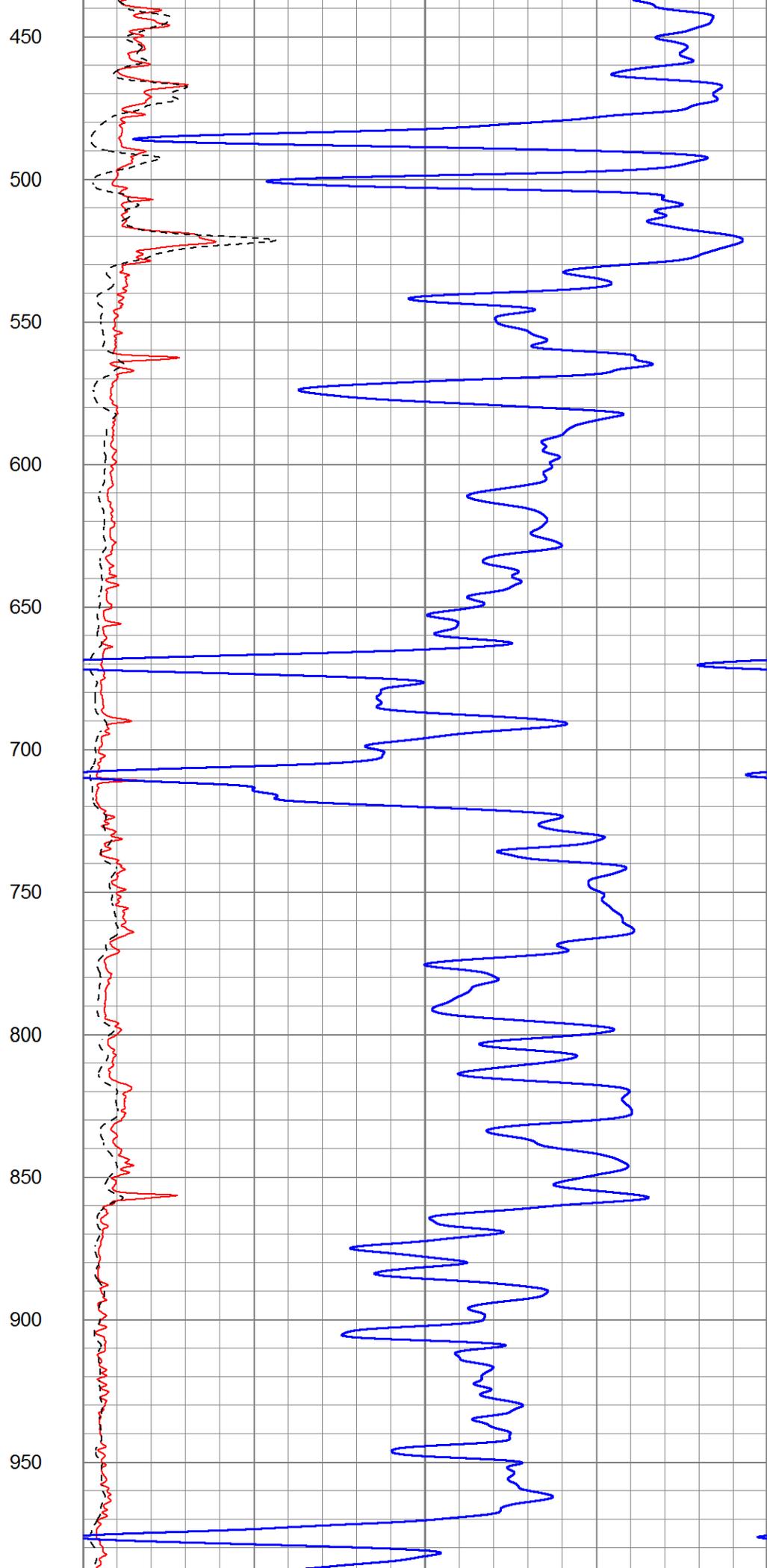
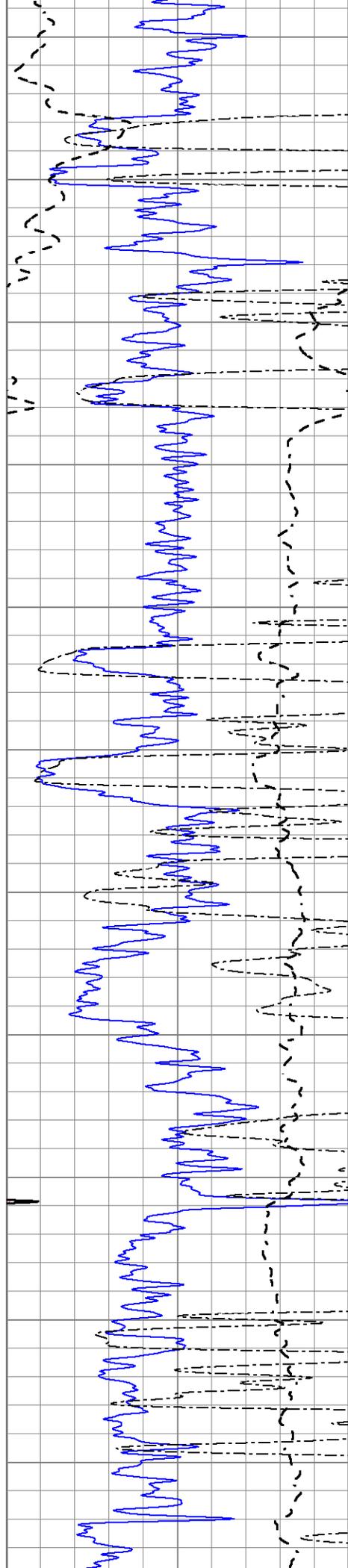
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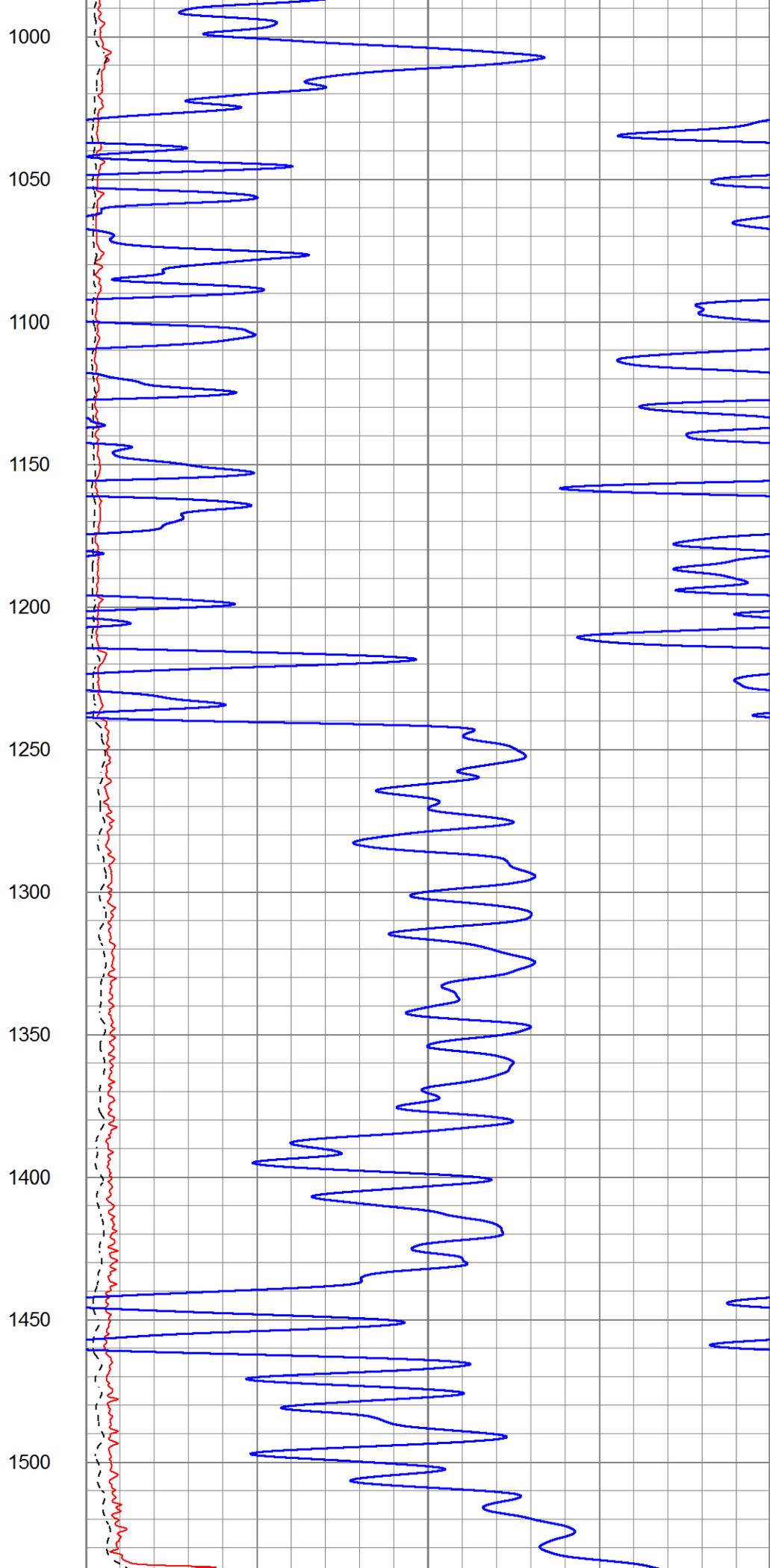
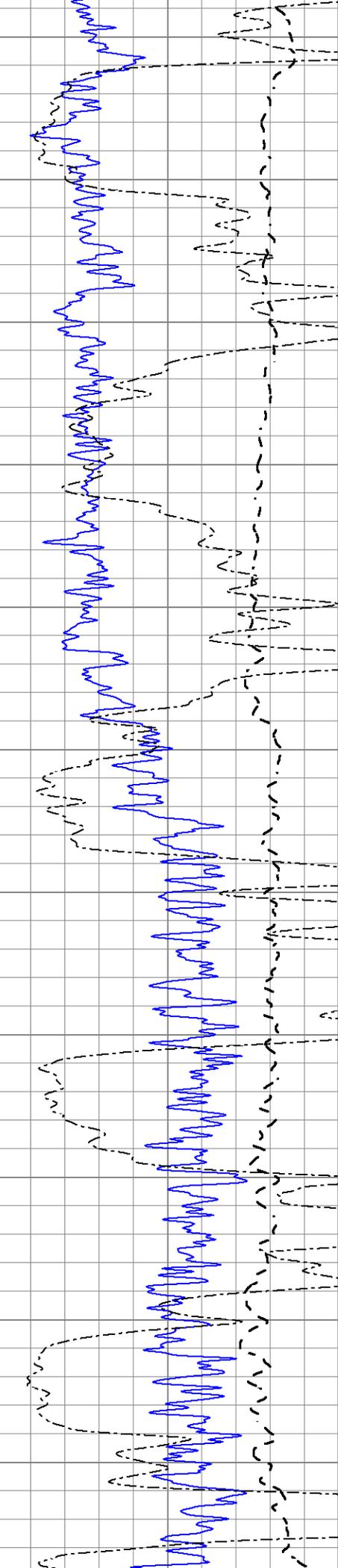
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 Presentation Format \_dil2  
 Dataset Creation Thu Jul 18 12:25:34 2024  
 Charted by Depth in Feet scaled 1:600

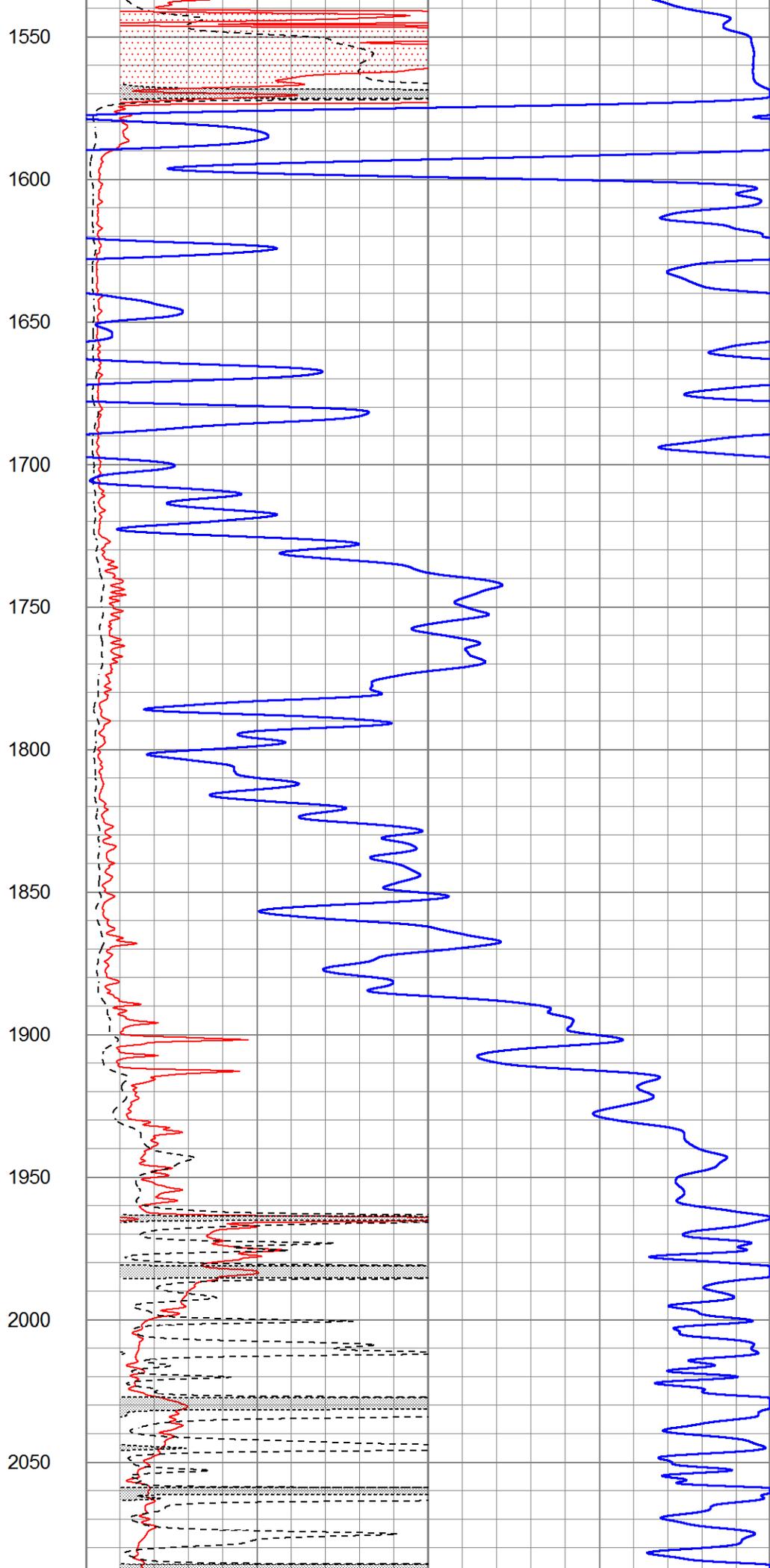
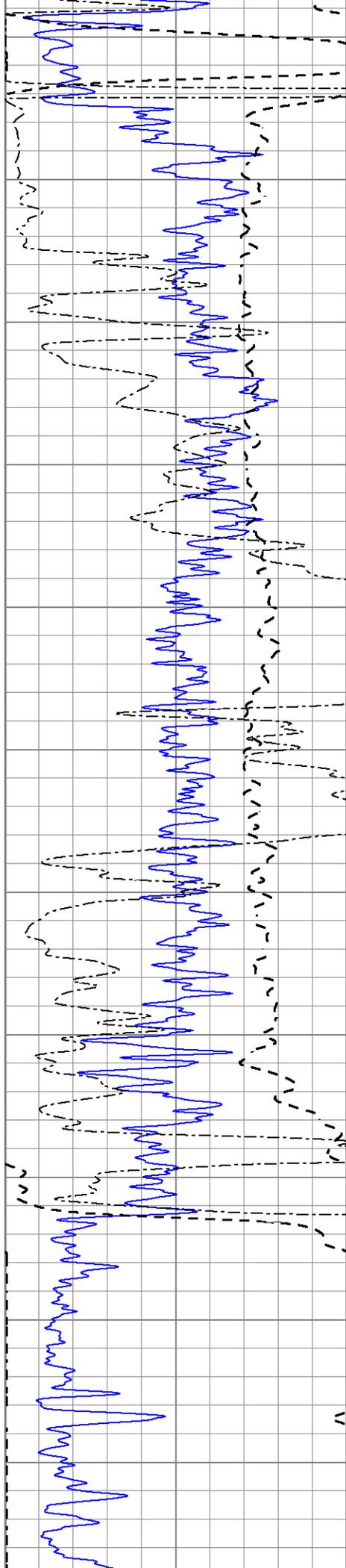
|      |                  |     |
|------|------------------|-----|
| 0    | Gamma Ray (GAPI) | 150 |
| -100 | SP (mV)          | 100 |
| 0    | RWA (Ohm-m)      | 1   |

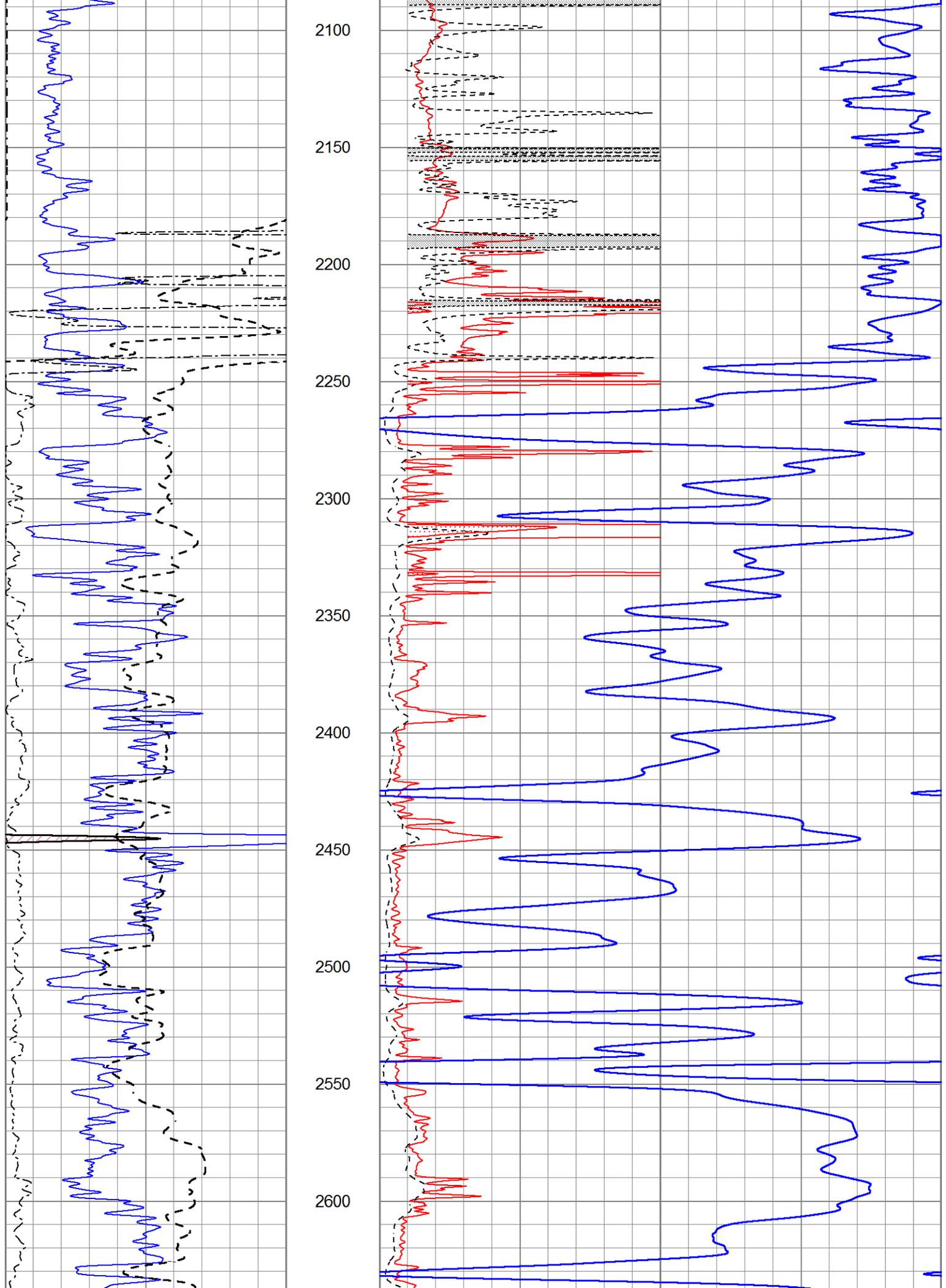
|      |                  |     |
|------|------------------|-----|
| 1000 | CILD (mmho/m)    | 0   |
| 0    | RLL3 (Ohm-m)     | 50  |
| 0    | RILD (Ohm-m)     | 50  |
| 50   | RILD X10 (Ohm-m) | 500 |
| 50   | RLL3 X10 (Ohm-m) | 500 |

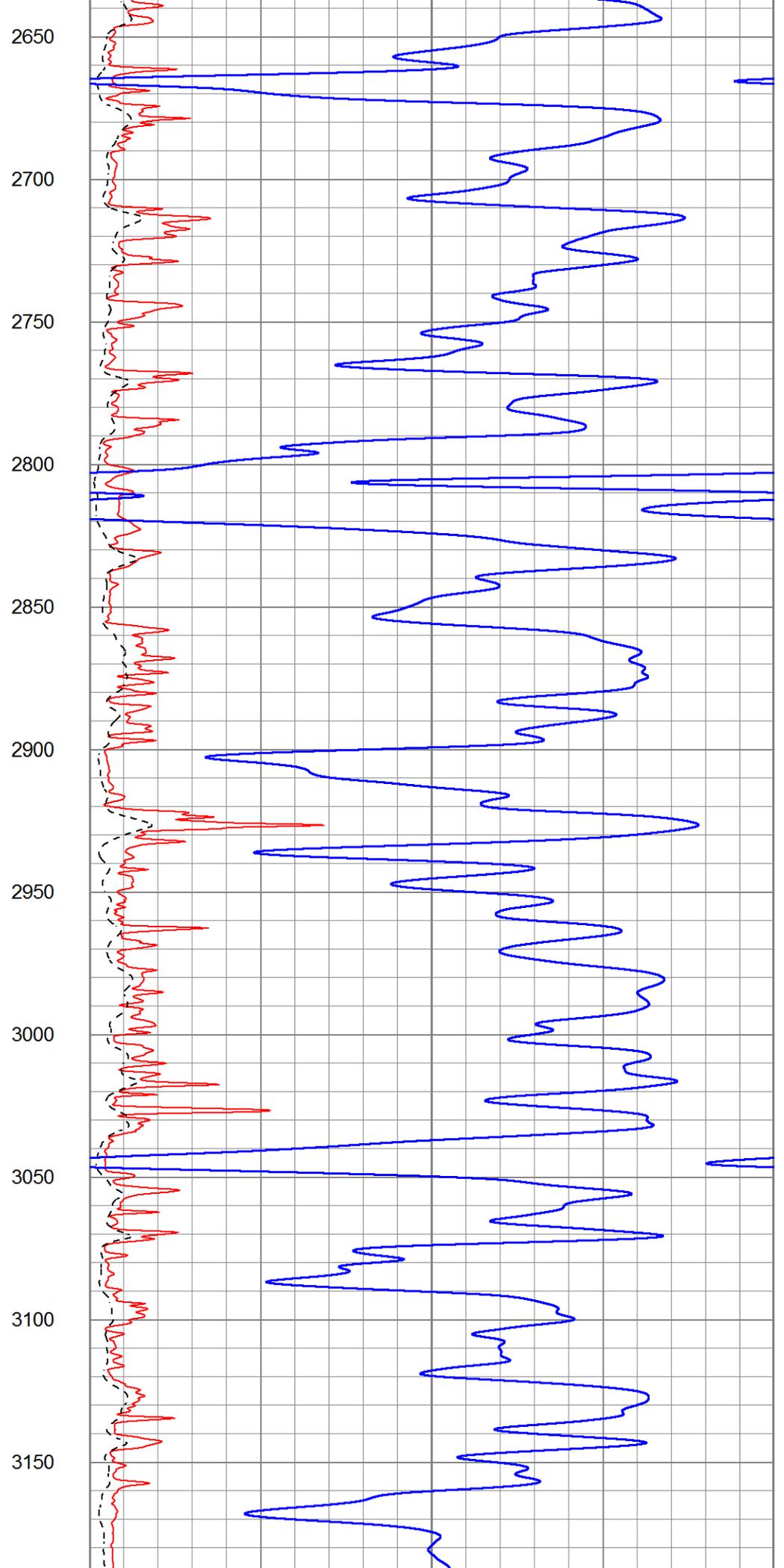
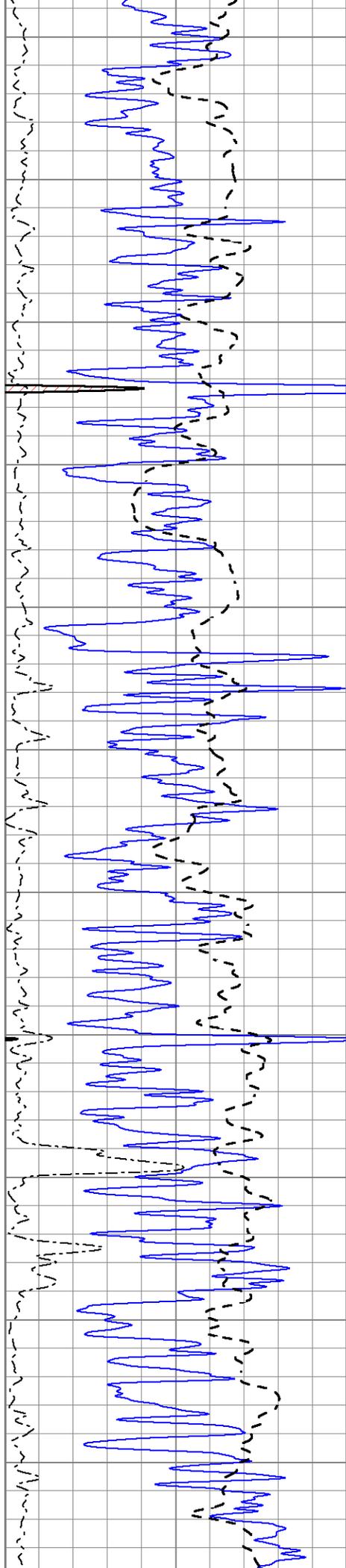


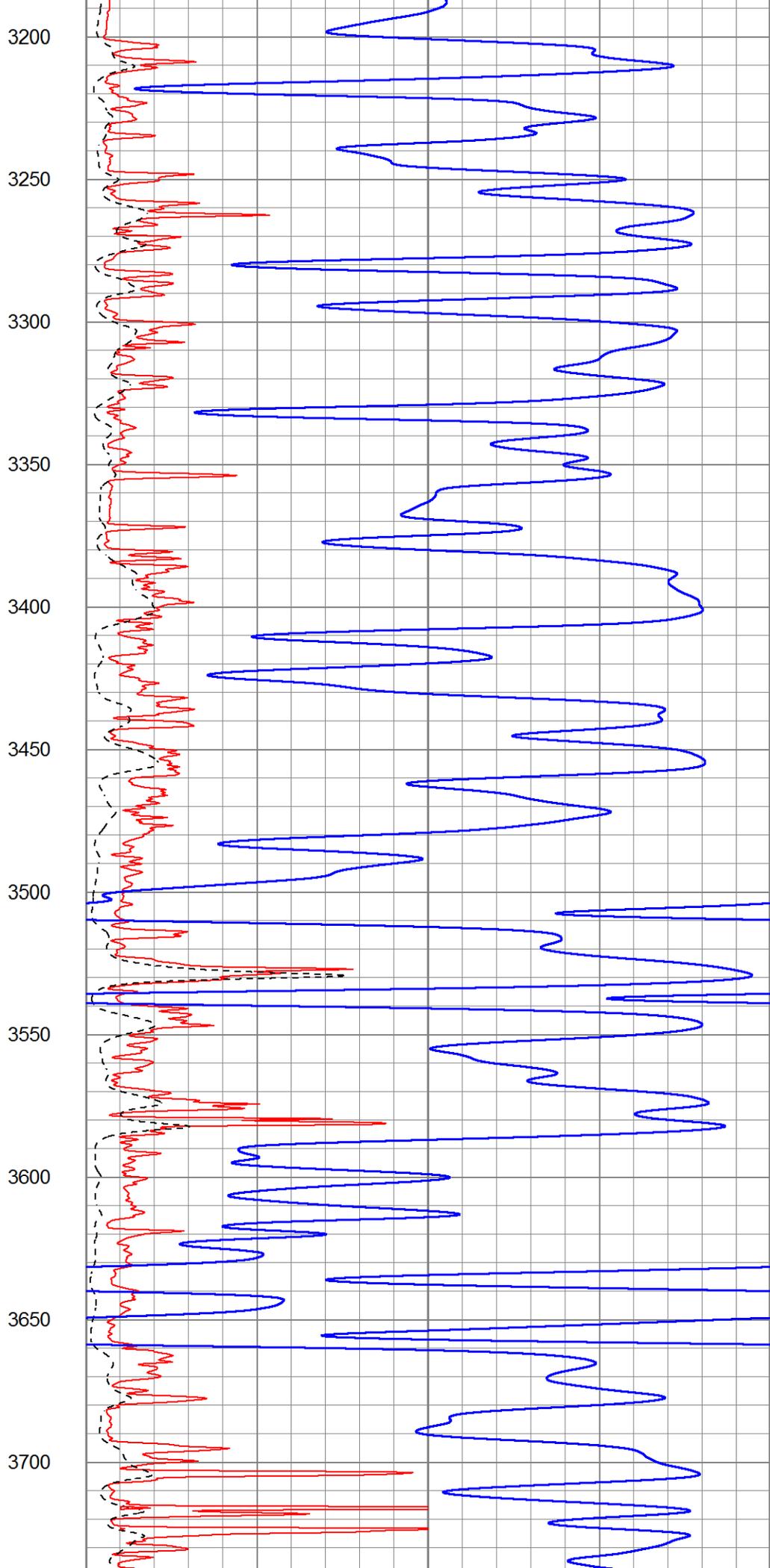
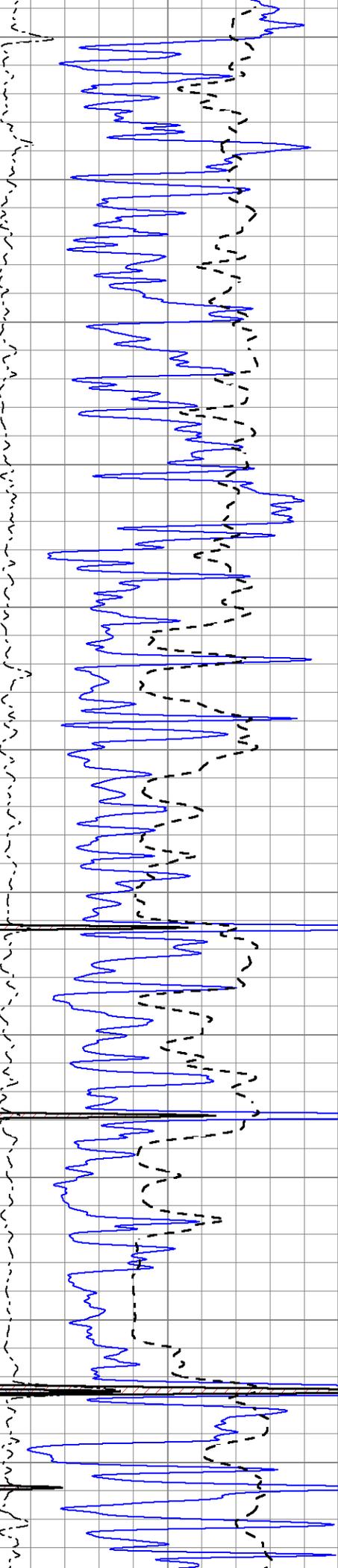


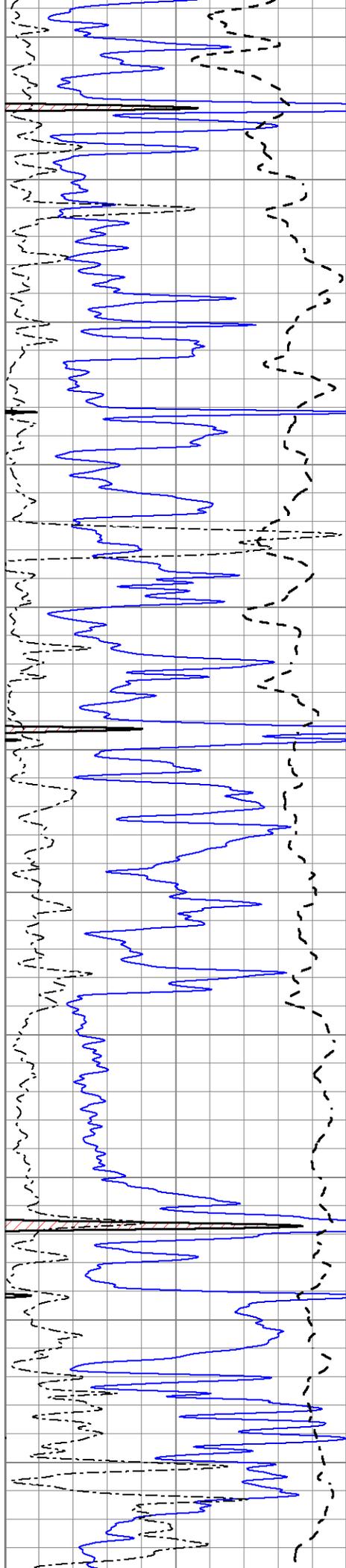












3750

3800

3850

3900

3950

4000

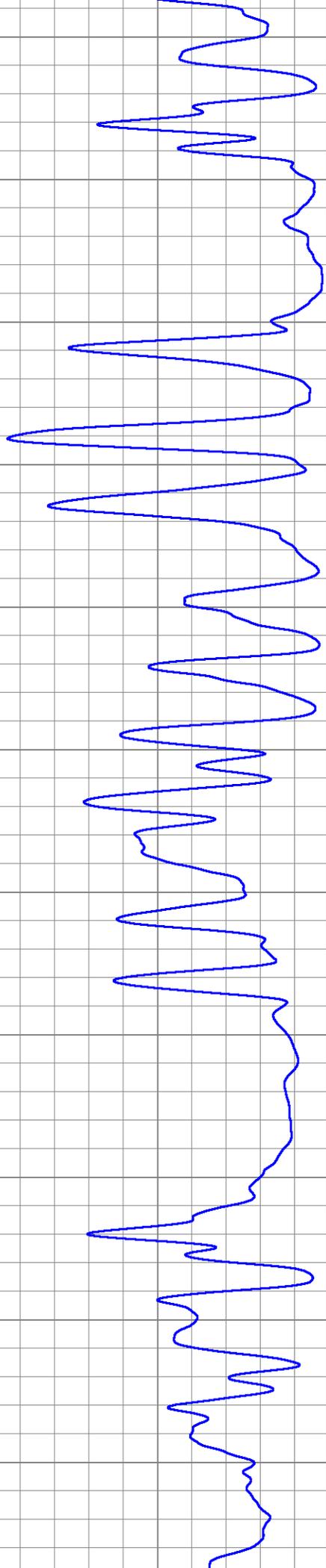
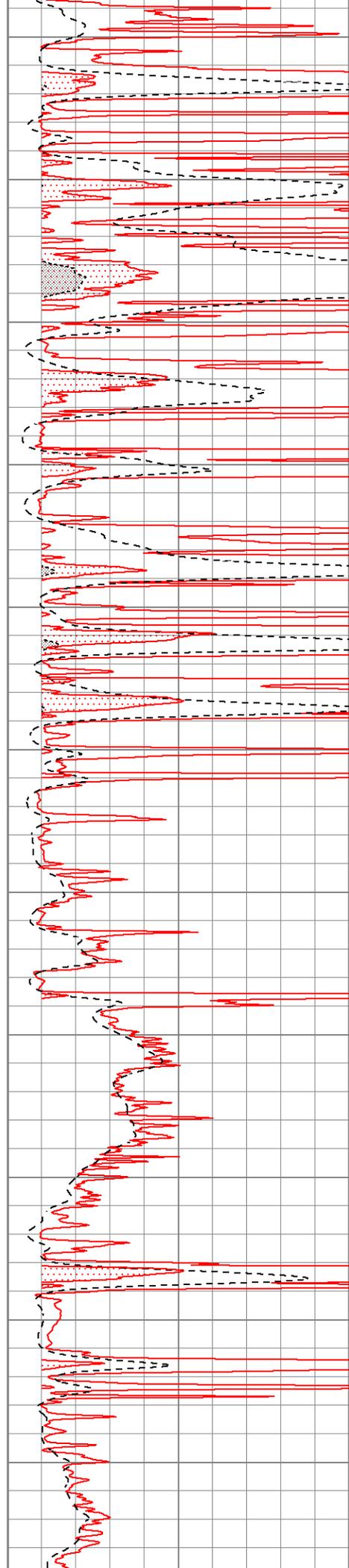
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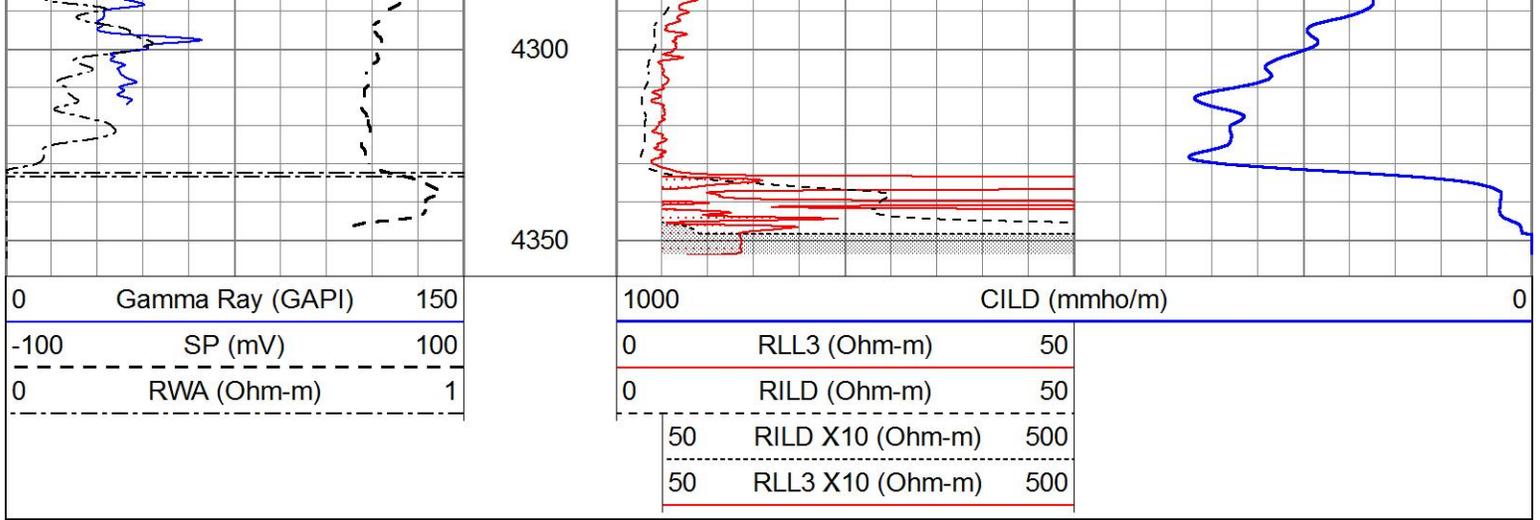
4100

4150

4200

4250

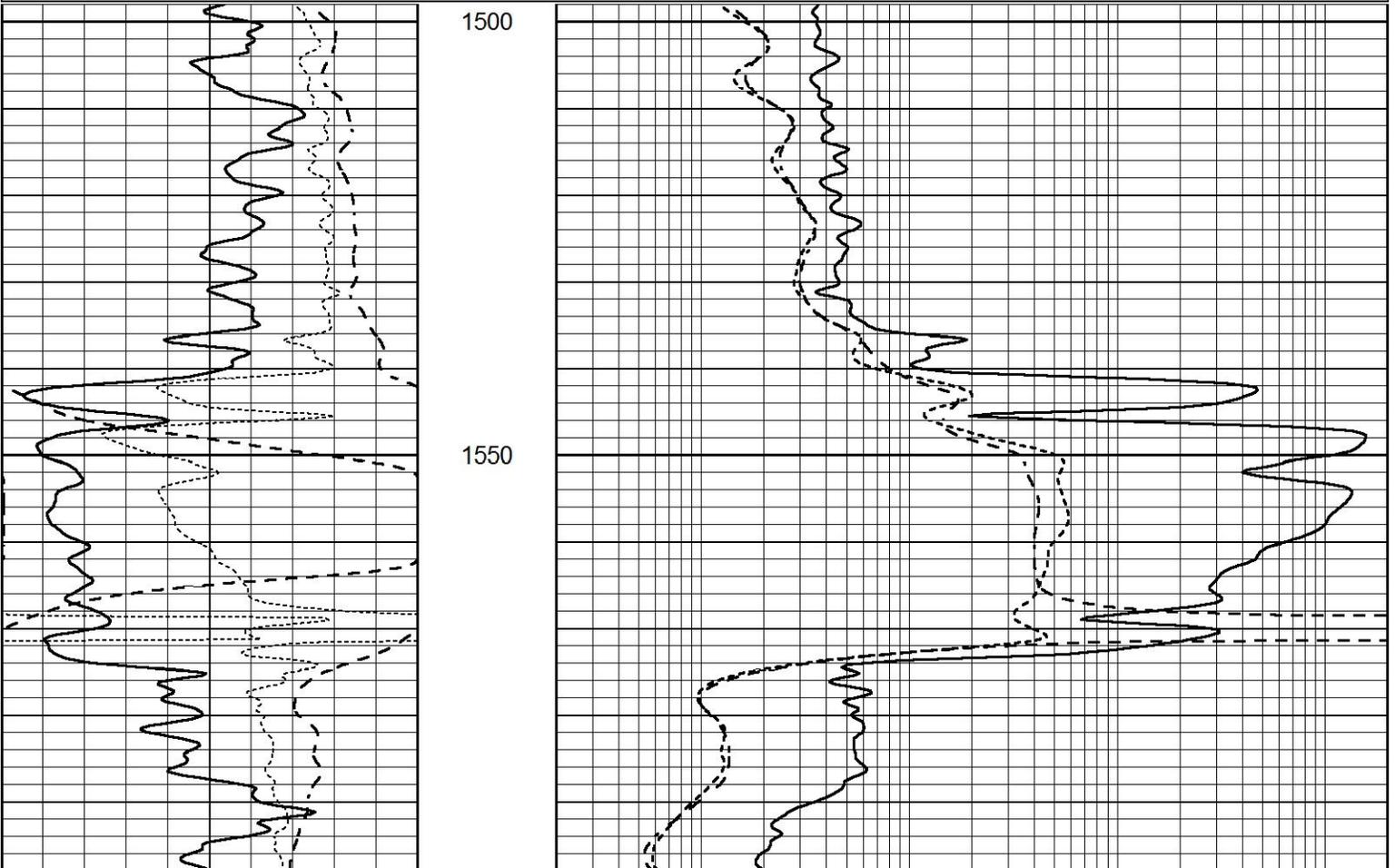




# ANHYDRITE

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 Dataset Creation Thu Jul 18 12:25:59 2024  
 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  |     |                          |      |



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

1600

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

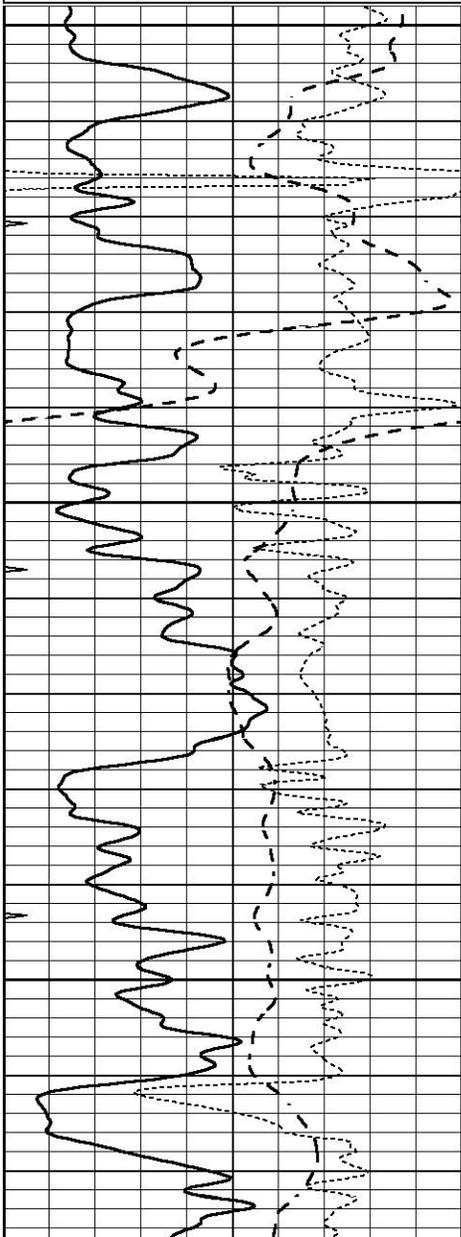


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 Dataset Pathname pass4.1U  
 Presentation Format \_dil  
 Dataset Creation Thu Jul 18 12:25:47 2024  
 Charted by Depth in Feet scaled 1:240

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

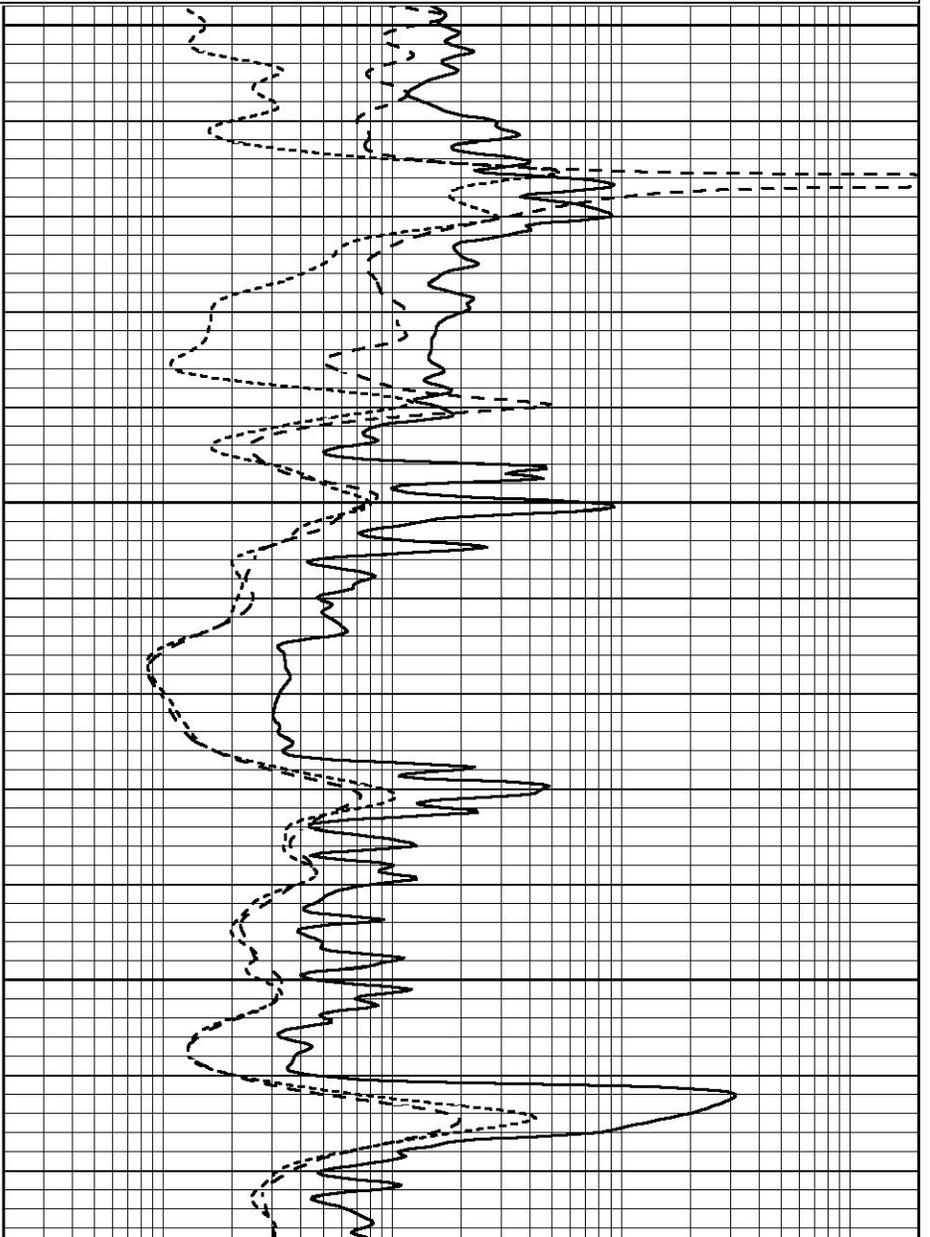
|     |                          |      |
|-----|--------------------------|------|
| 0.2 | SHALLOW GUARD (Ohm-m)    | 2000 |
| 0.2 | DEEP INDUCTION (Ohm-m)   | 2000 |
| 0.2 | MEDIUM INDUCTION (Ohm-m) | 2000 |

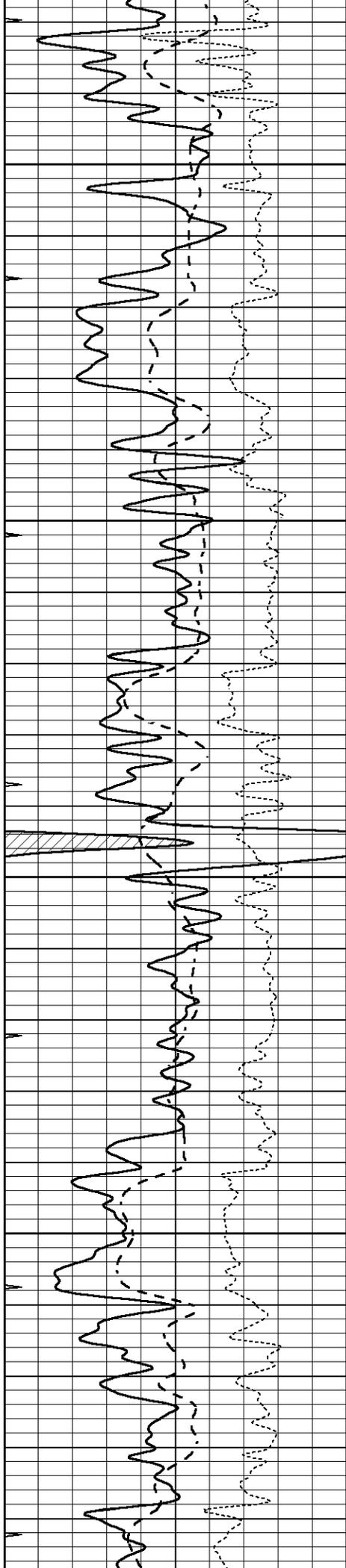


2200

2250

2300



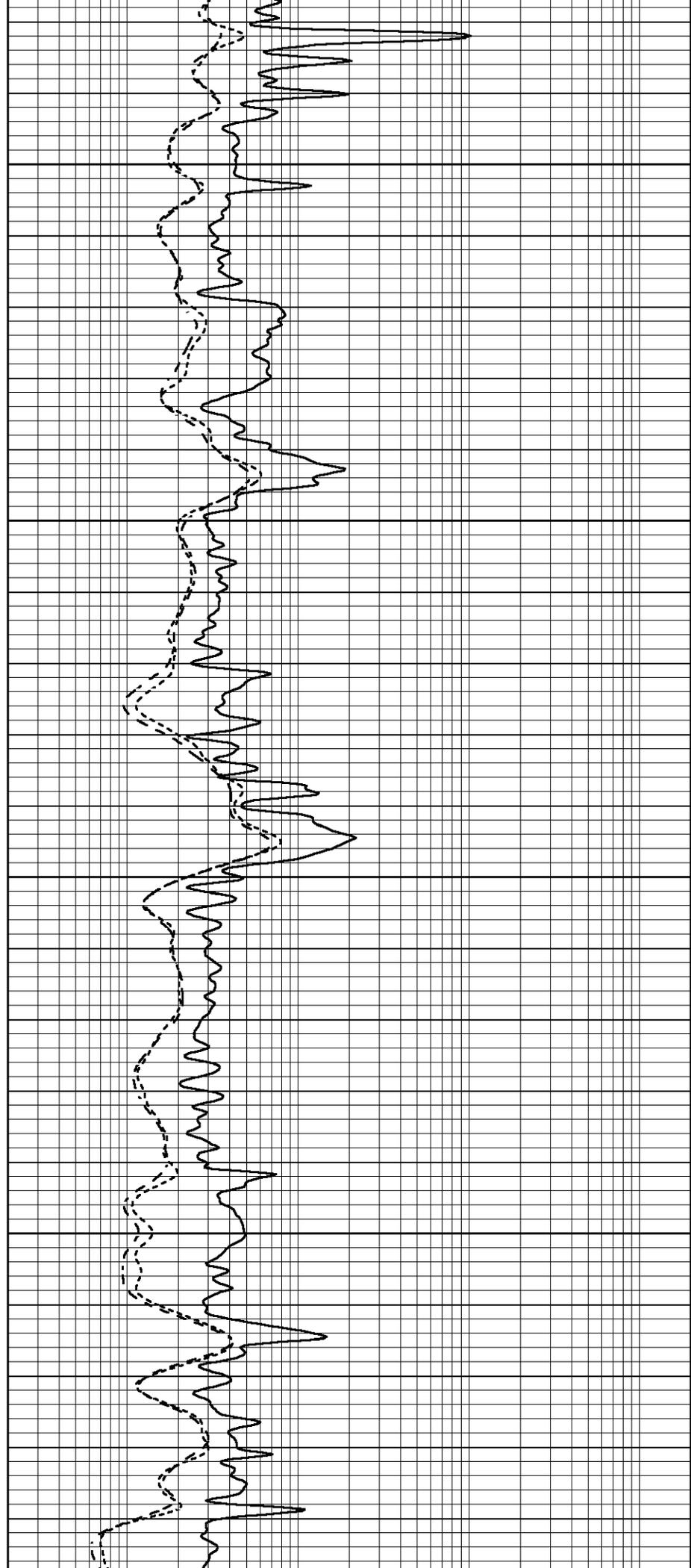


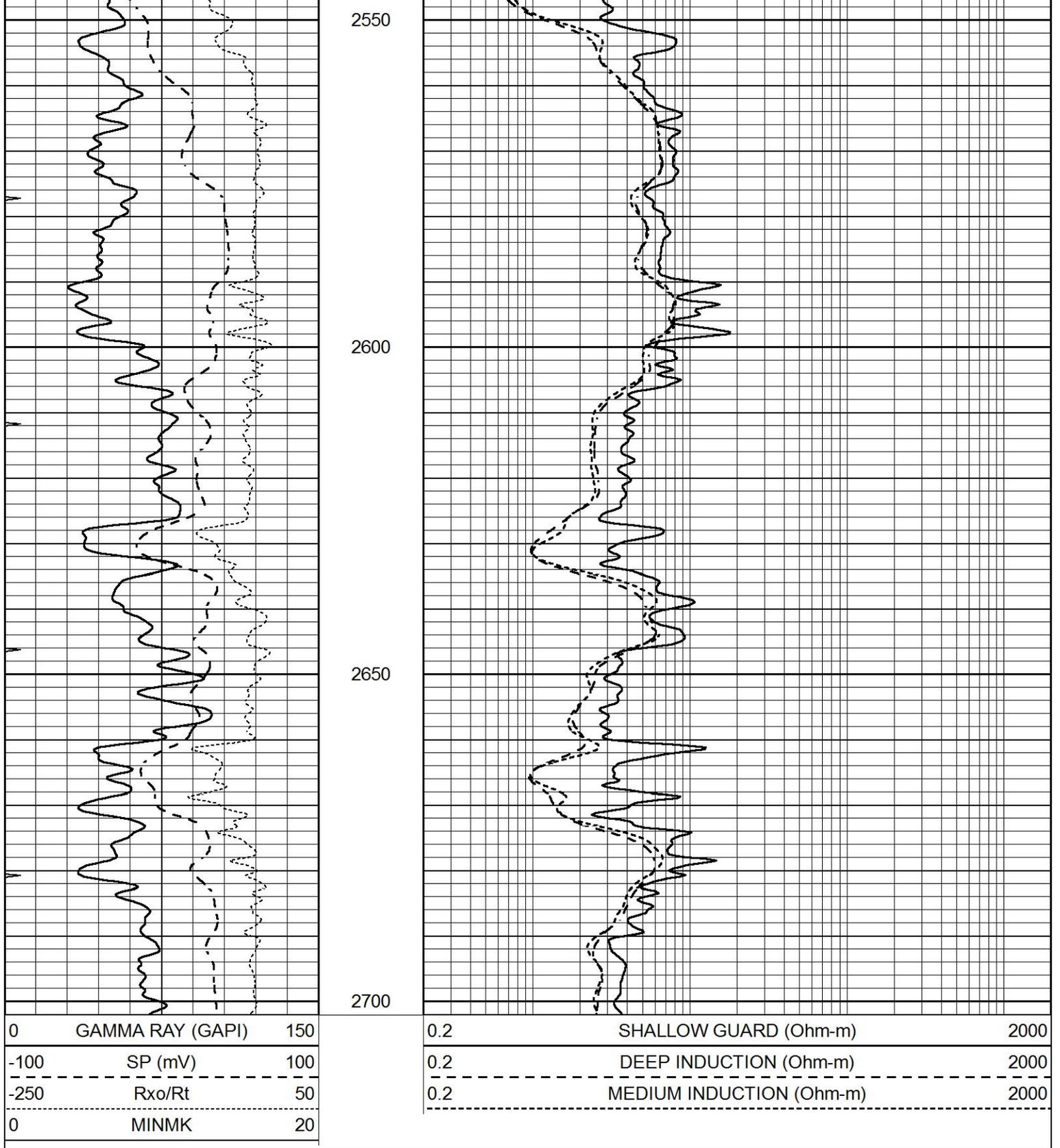
2350

2400

2450

2500



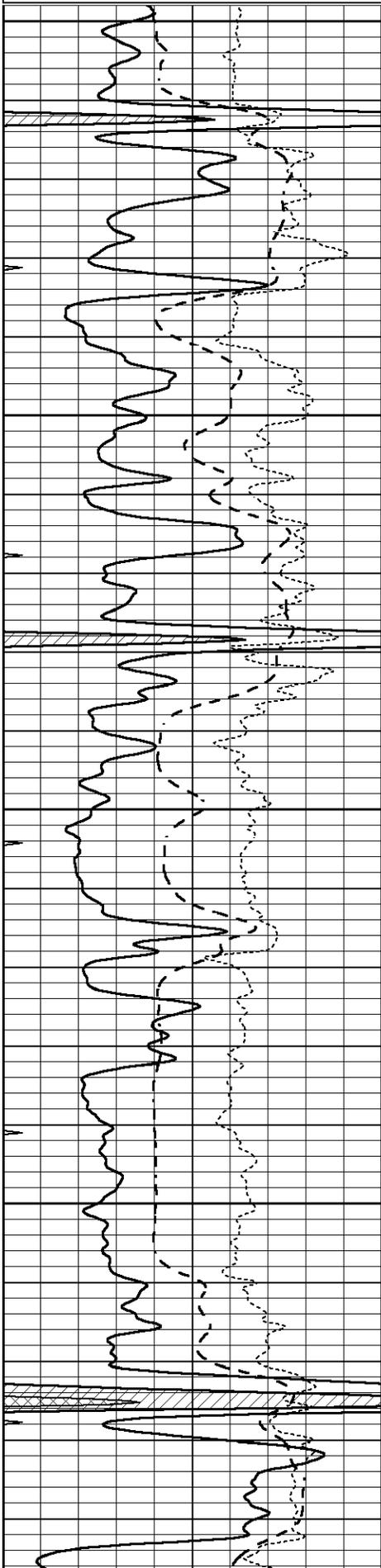


# MAIN SECTION

Database File 8646pe.db  
 Dataset Pathname pass4.1M  
 Presentation Format \_dil  
 Dataset Creation Thu Jul 18 12:25:34 2024  
 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 |

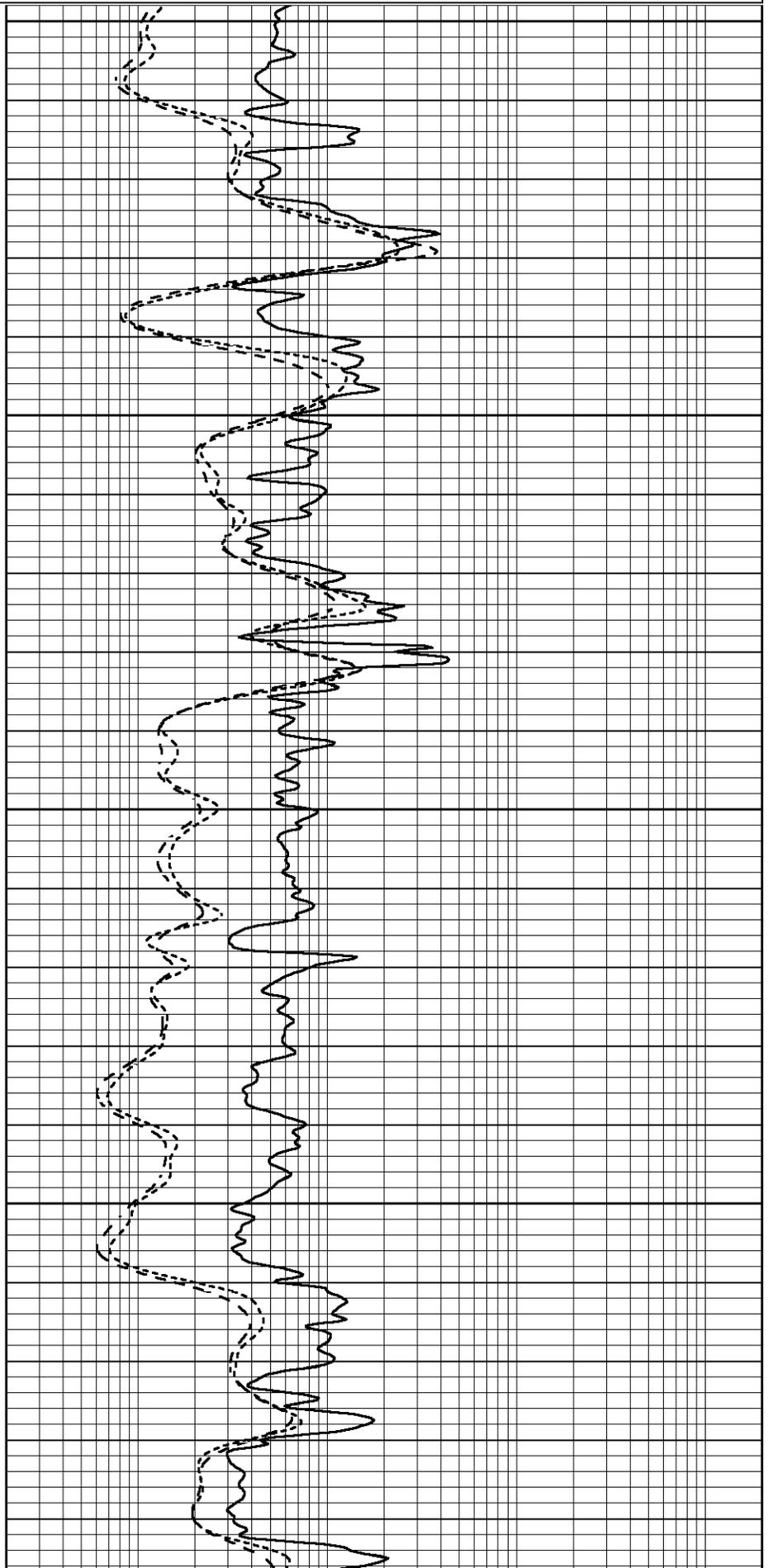


3500

3550

3600

3650



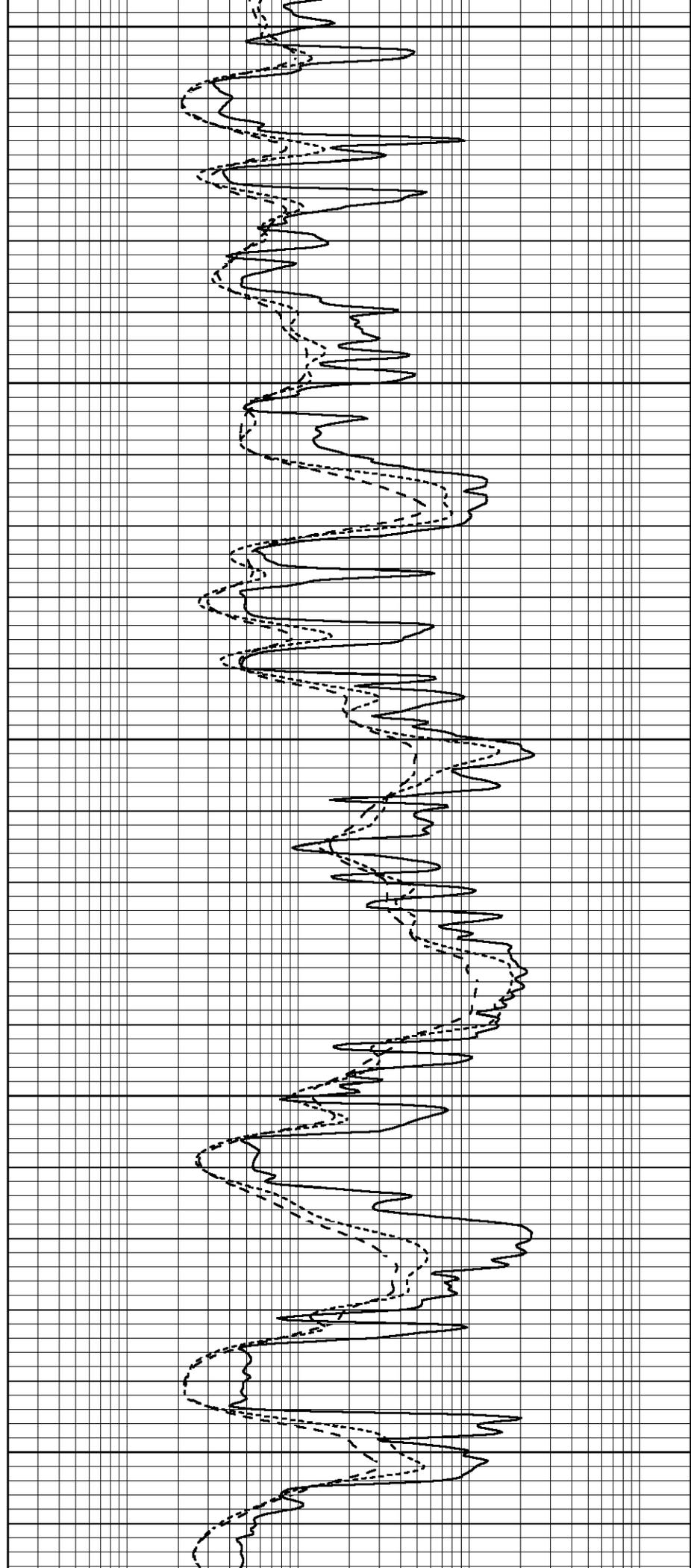
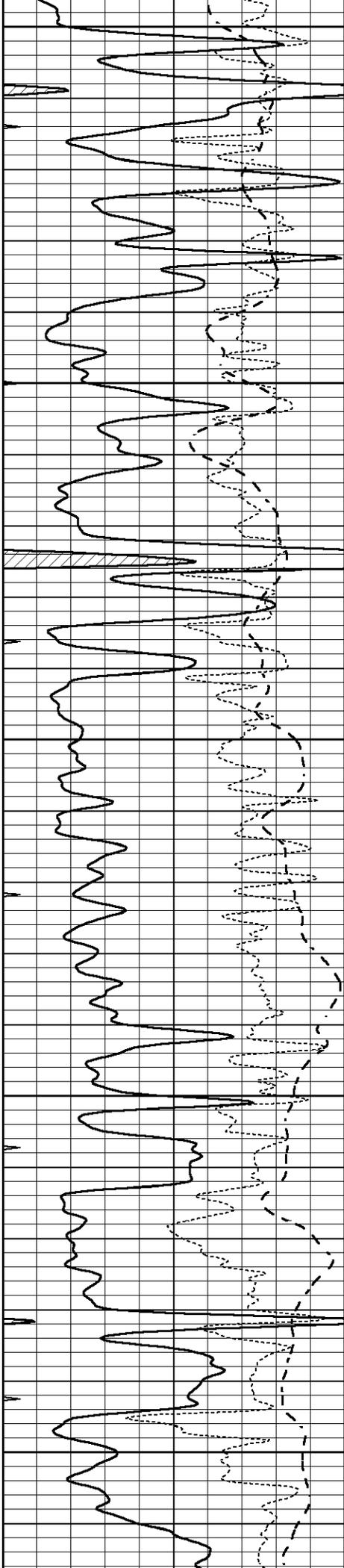
3700

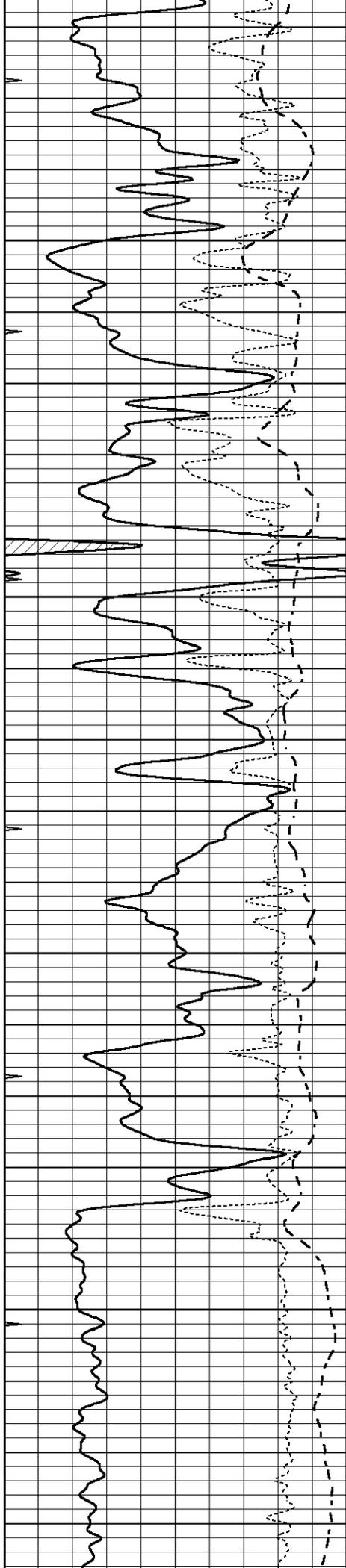
3750

3800

3850

3900



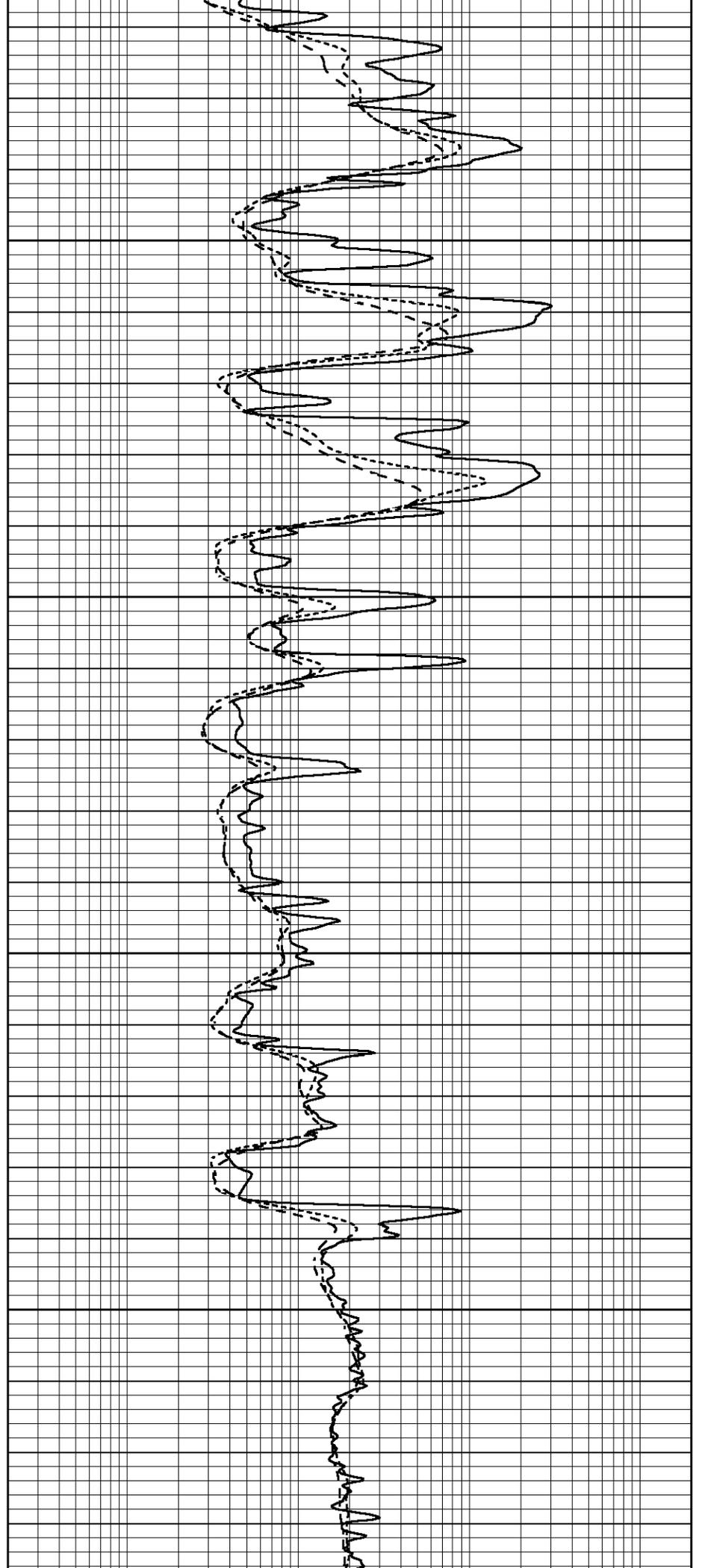


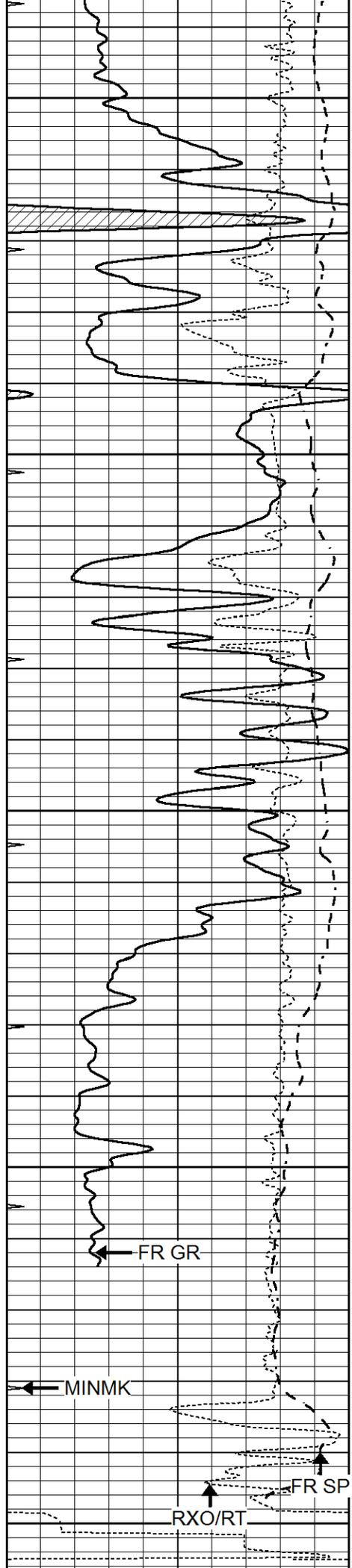
3950

4000

4050

4100





4150

4200

4250

4300

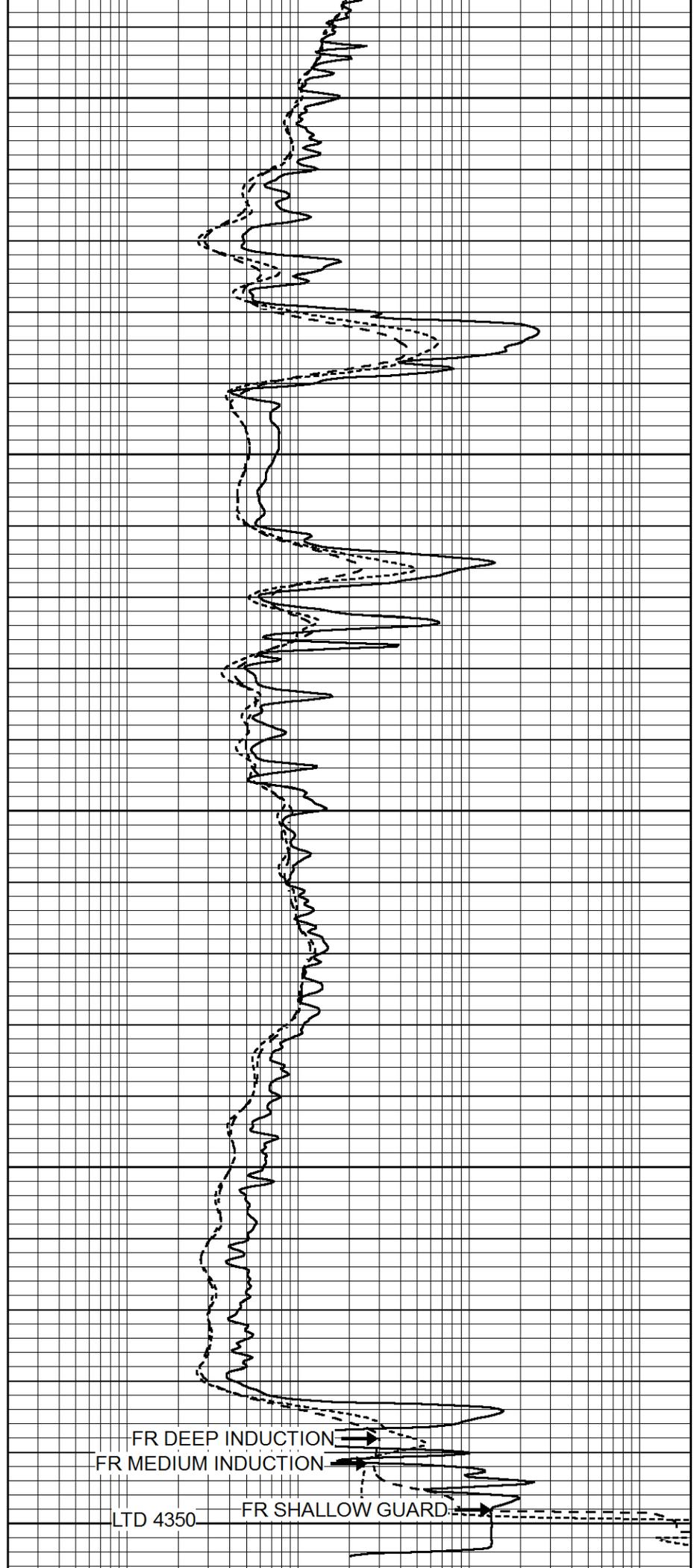
FR GR

MINMK

RXO/RT

FR SP

4350



FR DEEP INDUCTION

FR MEDIUM INDUCTION

FR SHALLOW GUARD

LTD 4350

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

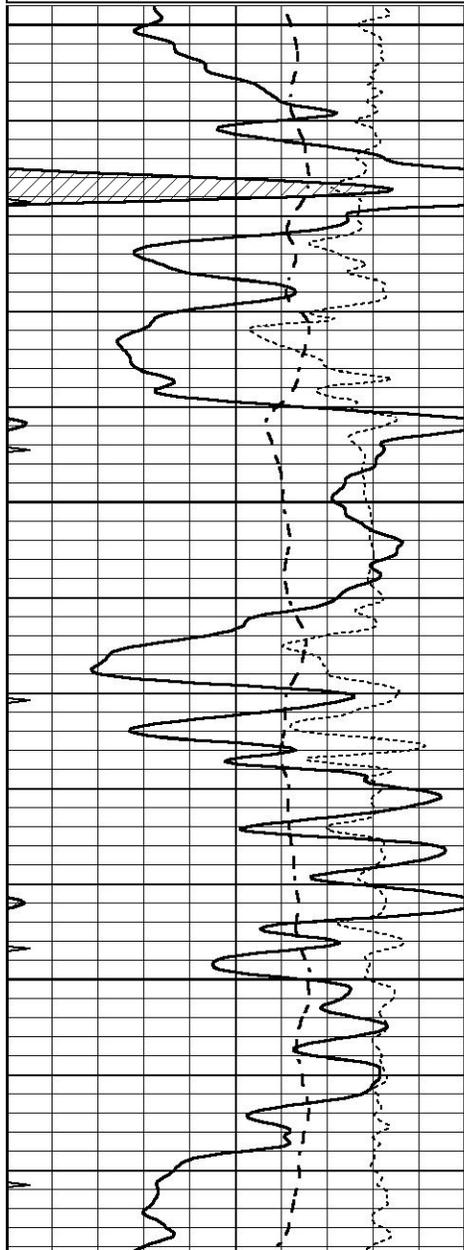


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 Dataset Pathname pass2.1R  
 Presentation Format \_dil  
 Dataset Creation Thu Jul 18 12:23:50 2024  
 Charted by Depth in Feet scaled 1:240

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

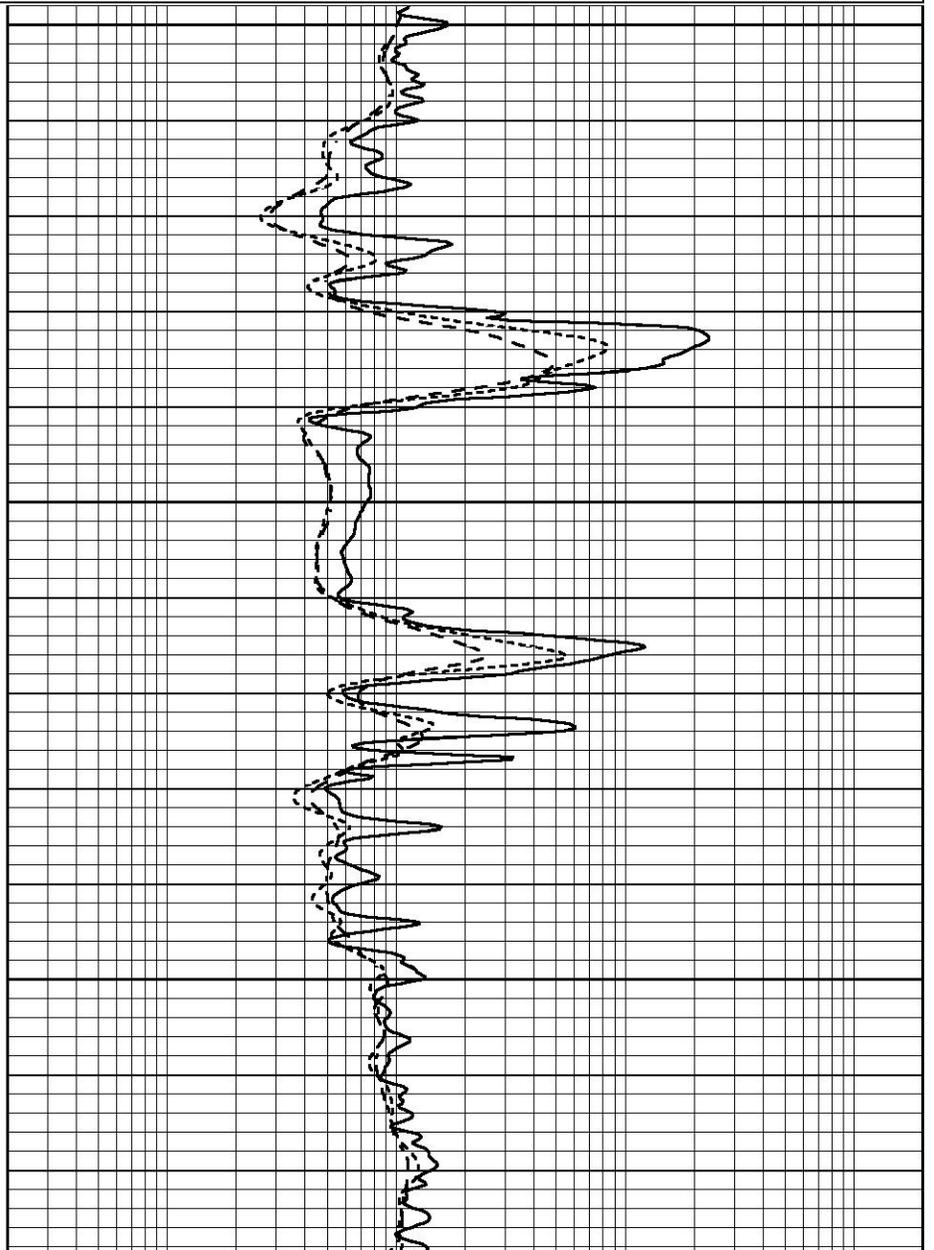
|     |                          |      |
|-----|--------------------------|------|
| 0.2 | SHALLOW GUARD (Ohm-m)    | 2000 |
| 0.2 | DEEP INDUCTION (Ohm-m)   | 2000 |
| 0.2 | MEDIUM INDUCTION (Ohm-m) | 2000 |

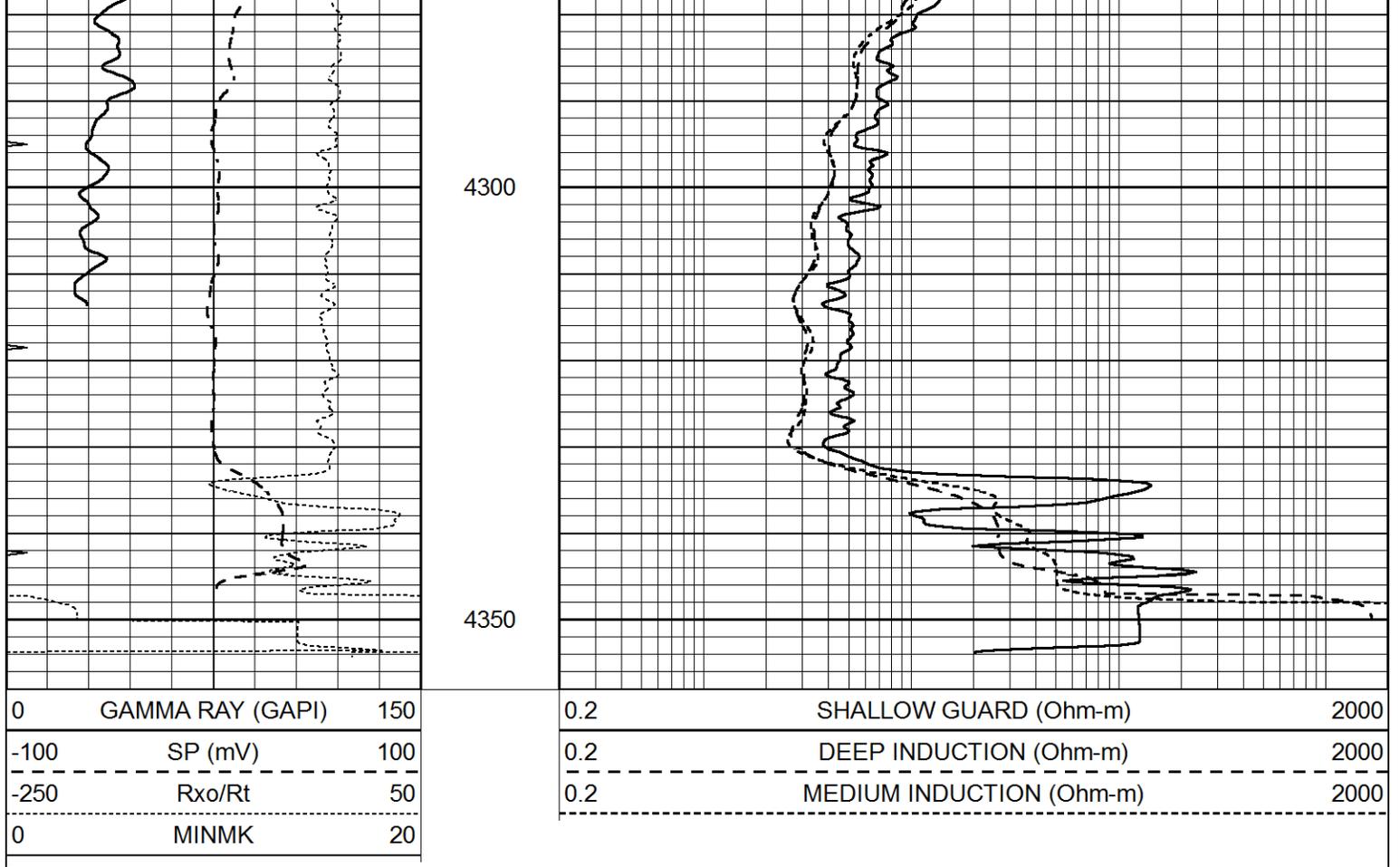


4150

4200

4250





### Calibration Report

Database File      8646pe.db  
 Dataset Pathname    pass4.1M  
 Dataset Creation    Thu Jul 18 12:25:34 2024

### Dual Induction Calibration Report

Serial-Model:                    PROBE8-DILG  
 Surface Cal Performed:        Fri Jul 12 17:47:26 2024  
 Downhole Cal Performed:      Mon Aug 14 00:39:25 2023  
 After Survey Verification Performed:    Mon Jul 28 11:08:27 2008

#### Surface Calibration

| Loop:     | Readings |       |  | V | References |         |        | Results |         |
|-----------|----------|-------|--|---|------------|---------|--------|---------|---------|
|           | Air      | Loop  |  |   | Air        | Loop    | mmho/m | m       | b       |
| Deep      | 0.015    | 0.648 |  |   | 0.000      | 400.000 | mmho/m | 660.000 | 10.000  |
| Medium    | 0.029    | 0.796 |  |   | 0.000      | 464.000 | mmho/m | 650.000 | -5.000  |
| Internal: | Zero     | Cal   |  |   | Zero       | Cal     |        | m       | b       |
| Deep      | 0.017    | 0.657 |  |   | 0.000      | 400.000 | mmho/m | 625.153 | -10.619 |
| Medium    | 0.016    | 0.757 |  |   | 0.000      | 464.000 | mmho/m | 625.992 | -9.739  |

#### Downhole Calibration

|        | Readings |        |  | mmho/m | References |          |        | Results |       |
|--------|----------|--------|--|--------|------------|----------|--------|---------|-------|
|        | Zero     | Cal    |  |        | Zero       | Cal      | mmho/m | m'      | b'    |
| Deep   | 0.000    | 0.000  |  |        | 2.011      | 405.777  | mmho/m | 1.000   | 0.000 |
| Medium | 0.000    | 0.000  |  |        | 7.590      | 503.393  | mmho/m | 1.000   | 0.000 |
| LL3    |          | 7.500  |  | V      |            | 1500.000 | Ohm-m  |         |       |
|        |          | 0.000  |  | V      |            | 20.000   | Ohm-m  |         |       |
|        |          | -7.200 |  | V      |            | 3800.000 | 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: 004 Model: PRB

| Master Calibration |            | Performed Tue Aug 02 11:29:35 2022 |          |                     |  |         |  |
|--------------------|------------|------------------------------------|----------|---------------------|--|---------|--|
|                    | Background | Magnesium                          | Aluminum | Aluminum+Fe         |  |         |  |
| Window 1           | 1154.2     | 10019.5                            | 3137.9   | 2795.6              |  | cps     |  |
| Window 2           | 1054.4     | 8597.6                             | 2733.4   | 2469.5              |  | cps     |  |
| Window 3           | 902.3      | 5241.4                             | 1832.1   | 1719.3              |  | cps     |  |
| Window 4           | 251.9      | 261.1                              | 255.8    | 252.9               |  | cps     |  |
| Long Space         | 0.0        | 7543.2                             | 1679.0   | 1415.0              |  | cps     |  |
| Short Space        | 4.4        | 2049.3                             | 1321.7   | 1116.8              |  | cps     |  |
| Rho                |            | 1.7100                             | 2.5900   | 0.0000              |  | g/cc    |  |
| Pe                 |            | 2.0000                             | 2.7500   | 5.7900              |  |         |  |
| Rib Angle          | : 43.7     | Rib Slope                          | : 0.957  | Density/Spine Ratio |  | : 0.562 |  |
| Spine Angle        | : 73.7     | Spine Slope                        | : 3.426  | Spine Intercept     |  | : -17.2 |  |

| 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: 070808PMC  
Tool Model: NABORS

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:          | Thu Jun 13 23:56:25 2024 |          |  |
| Calibrator Value:   | 1.0                      | GAPI     |  |
| Background Reading: | 0.0                      | cps      |  |
| Calibrator Reading: | 1.0                      | cps      |  |
| Sensitivity:        | 0.3000                   | GAPI/cps |  |