



## DUAL INDUCTION LOG

|                              |                                            |                                  |                                     |
|------------------------------|--------------------------------------------|----------------------------------|-------------------------------------|
| Company                      | FOUR WINDS OIL CORPORATION                 |                                  |                                     |
| Well                         | GLENNEMEIER "A" #4                         |                                  |                                     |
| Field                        | WEST UNION                                 |                                  |                                     |
| County                       | NORTON                                     | State                            | KANSAS                              |
| Location:                    | API # : 15-137-20768-0000                  |                                  |                                     |
|                              | 350' FSL & 660' FEL<br>N/2 - S/2 - SE - SE |                                  |                                     |
|                              | SEC 21 TWP 5S RGE 21W                      |                                  |                                     |
| Permanent Datum              | GROUND LEVEL                               | Elevation                        | 2232                                |
| Log Measured From            | KELLY BUSHING 8' A.G.L.                    |                                  |                                     |
| Drilling Measured From       | KELLY BUSHING                              | Other Services<br>CDL/CNL<br>MEL |                                     |
|                              |                                            | Elevation                        | K.B. 2240<br>D.F. 2238<br>G.L. 2232 |
| Date                         | 10/1/23                                    |                                  |                                     |
| Run Number                   | ONE                                        |                                  |                                     |
| Depth Driller                | 3675                                       |                                  |                                     |
| Depth Logger                 | 3676                                       |                                  |                                     |
| Bottom Logged Interval       | 3674                                       |                                  |                                     |
| Top Log Interval             | 00                                         |                                  |                                     |
| Casing Driller               | 8 5/8"@222'                                |                                  |                                     |
| Casing Logger                | 224                                        |                                  |                                     |
| Bit Size                     | 7 7/8"                                     |                                  |                                     |
| Type Fluid in Hole           | CHEMICAL MUD                               | CHLORIDES 3,000 PPM              |                                     |
| Density / Viscosity          | 9.1/64                                     |                                  |                                     |
| pH / Fluid Loss              | 10.5/8.2                                   |                                  |                                     |
| Source of Sample             | FLOWLINE                                   |                                  |                                     |
| Rm @ Meas. Temp              | 1.10@67F                                   |                                  |                                     |
| Rmf @ Meas. Temp             | .825@67F                                   |                                  |                                     |
| Rmc @ Meas. Temp             | 1.32@67F                                   |                                  |                                     |
| Source of Rmf / Rmc          | MEASUREMENT                                |                                  |                                     |
| Rm @ BHT                     | .652@113F                                  |                                  |                                     |
| Time Circulation Stopped     | 2 HOURS                                    |                                  |                                     |
| Time Logger on Bottom        | 5.00 A.M.                                  |                                  |                                     |
| Maximum Recorded Temperature | 113F                                       |                                  |                                     |
| Equipment Number             | 922339                                     |                                  |                                     |
| Location                     | HAYS, KANSAS                               |                                  |                                     |
| Recorded By                  | JEFF LUEBBERS                              |                                  |                                     |
| Witnessed By                 | CAMERON BRIN                               |                                  |                                     |

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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.

15-137-20768-0000

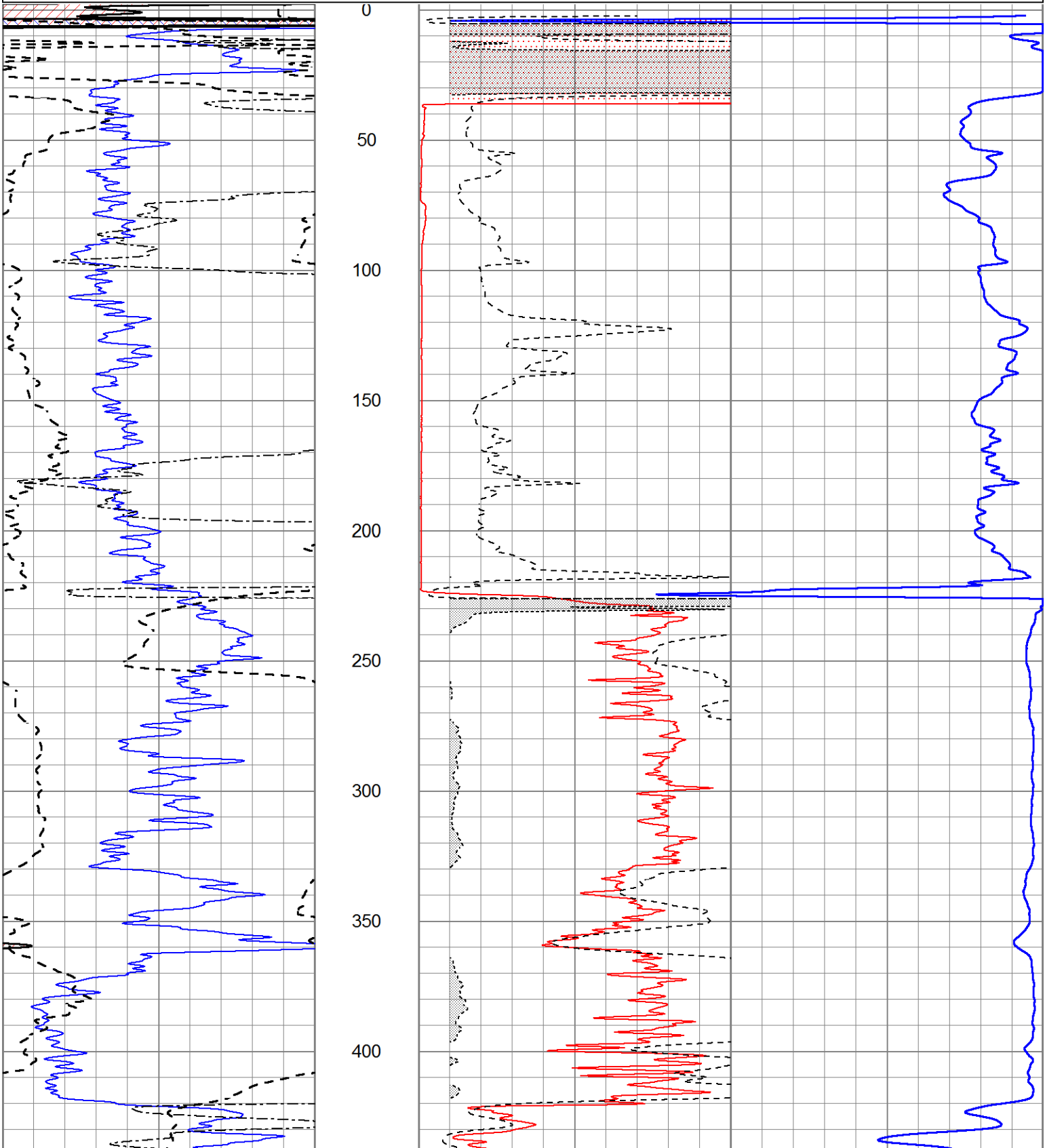
Comments

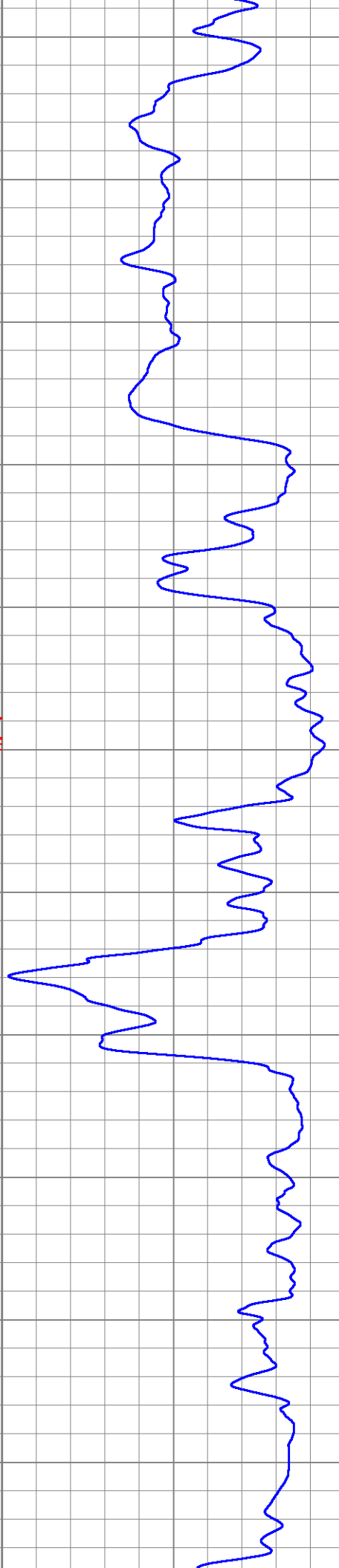
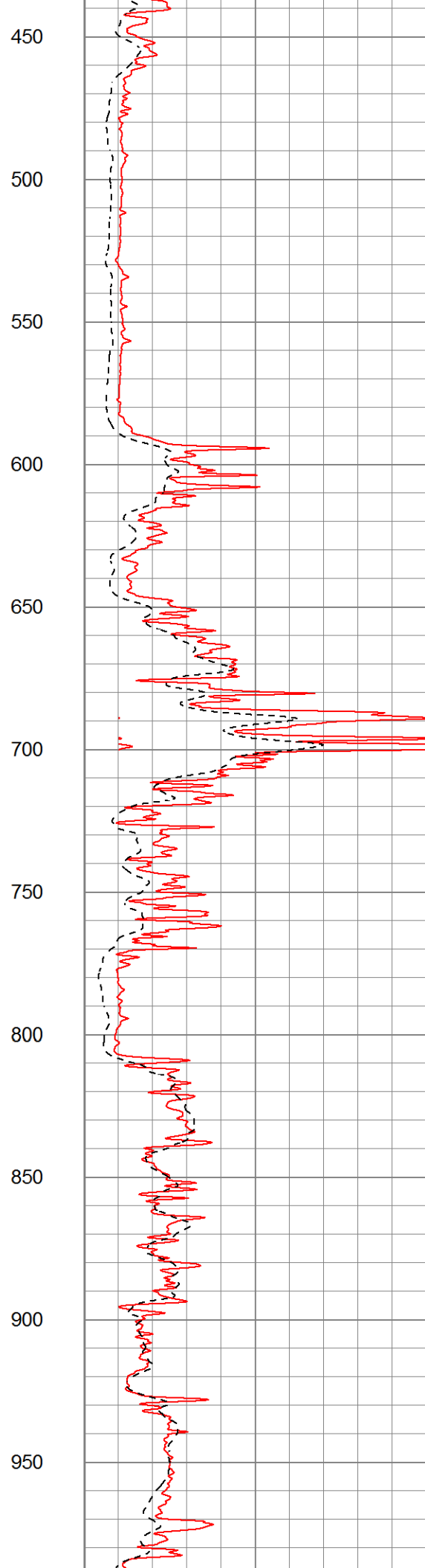
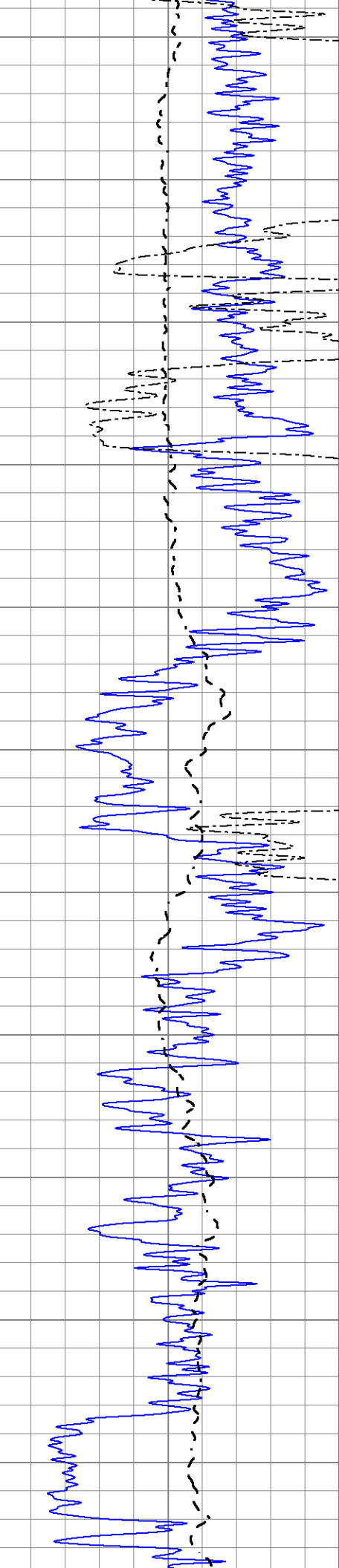
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395  
DIRECTIONS  
GLADE, KS., 19W. ON HWY 9 TO "RD. 12", 1 1/2S. TO "RD. Z", 1W., 3S., W. INTO

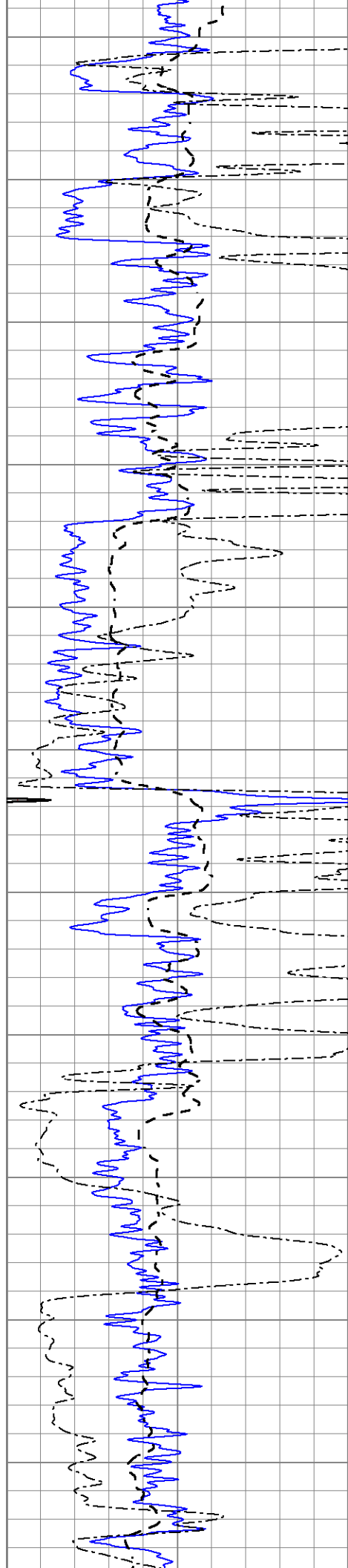


# MAIN SECTION

|      |                  |     |      |                  |     |
|------|------------------|-----|------|------------------|-----|
| 0    | Gamma Ray (GAPI) | 150 | 1000 | CILD (mmho/m)    | 0   |
| -100 | SP (mV)          | 100 | 0    | RLL3 (Ohm-m)     | 50  |
| 0    | RWA (Ohm-m)      | 1   | 0    | RILD (Ohm-m)     | 50  |
|      |                  |     | 50   | RILD X10 (Ohm-m) | 500 |
|      |                  |     | 50   | RLL3 X10 (Ohm-m) | 500 |







1000

1050

1100

1150

1200

1250

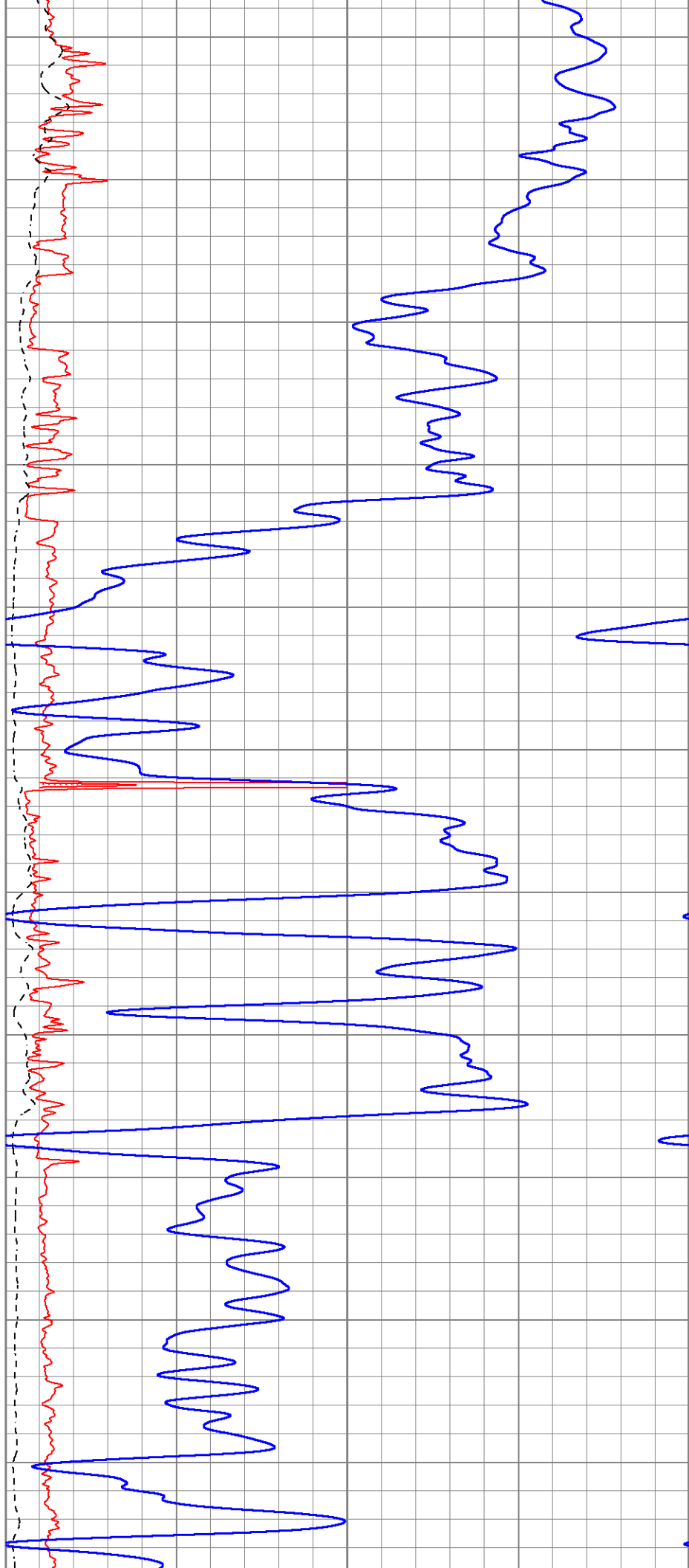
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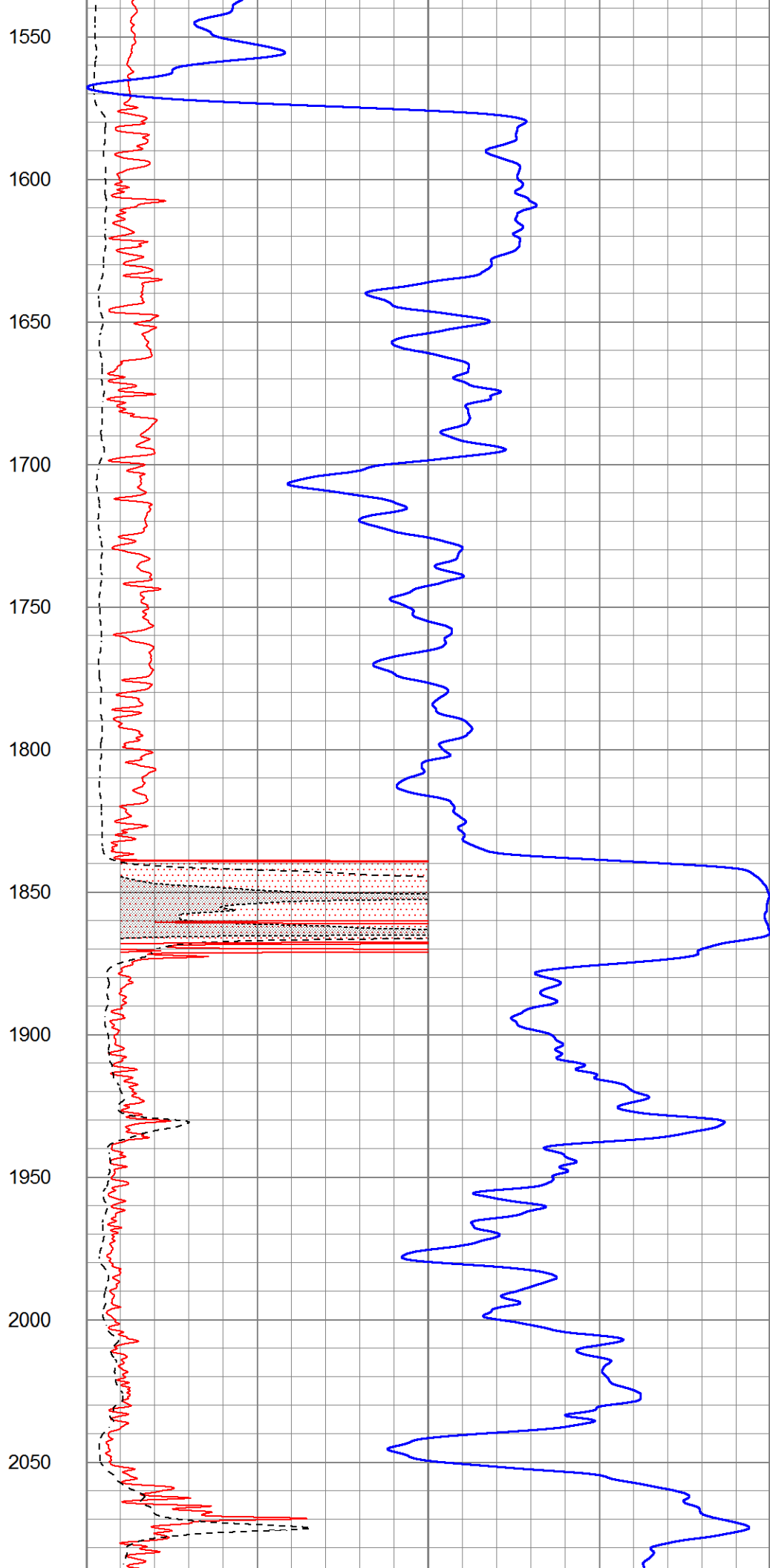
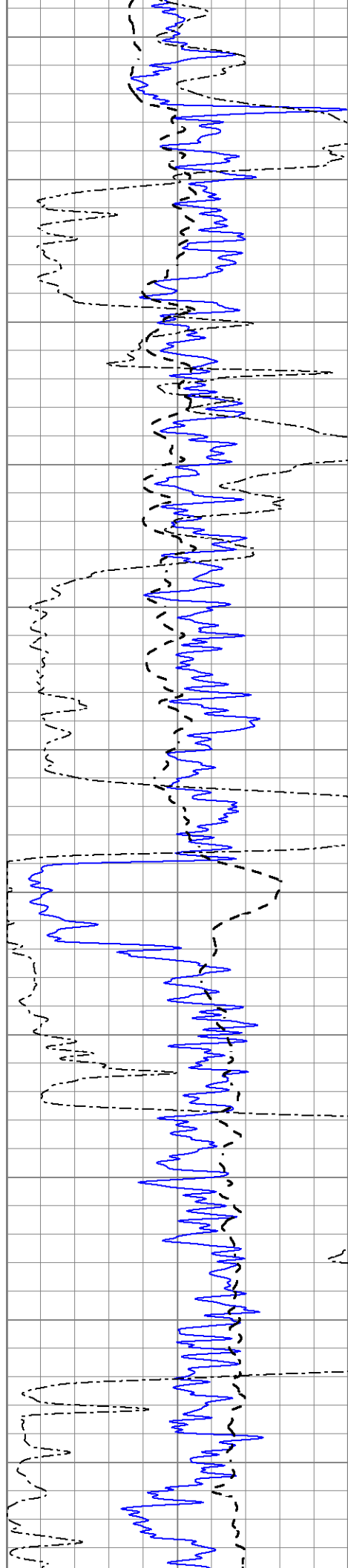
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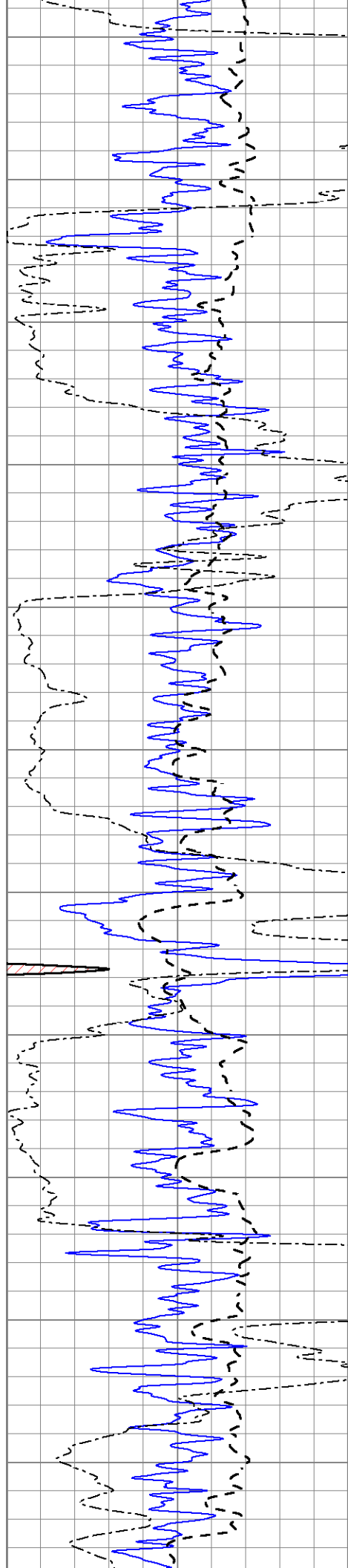
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1450

1500







2100

2150

2200

2250

2300

2350

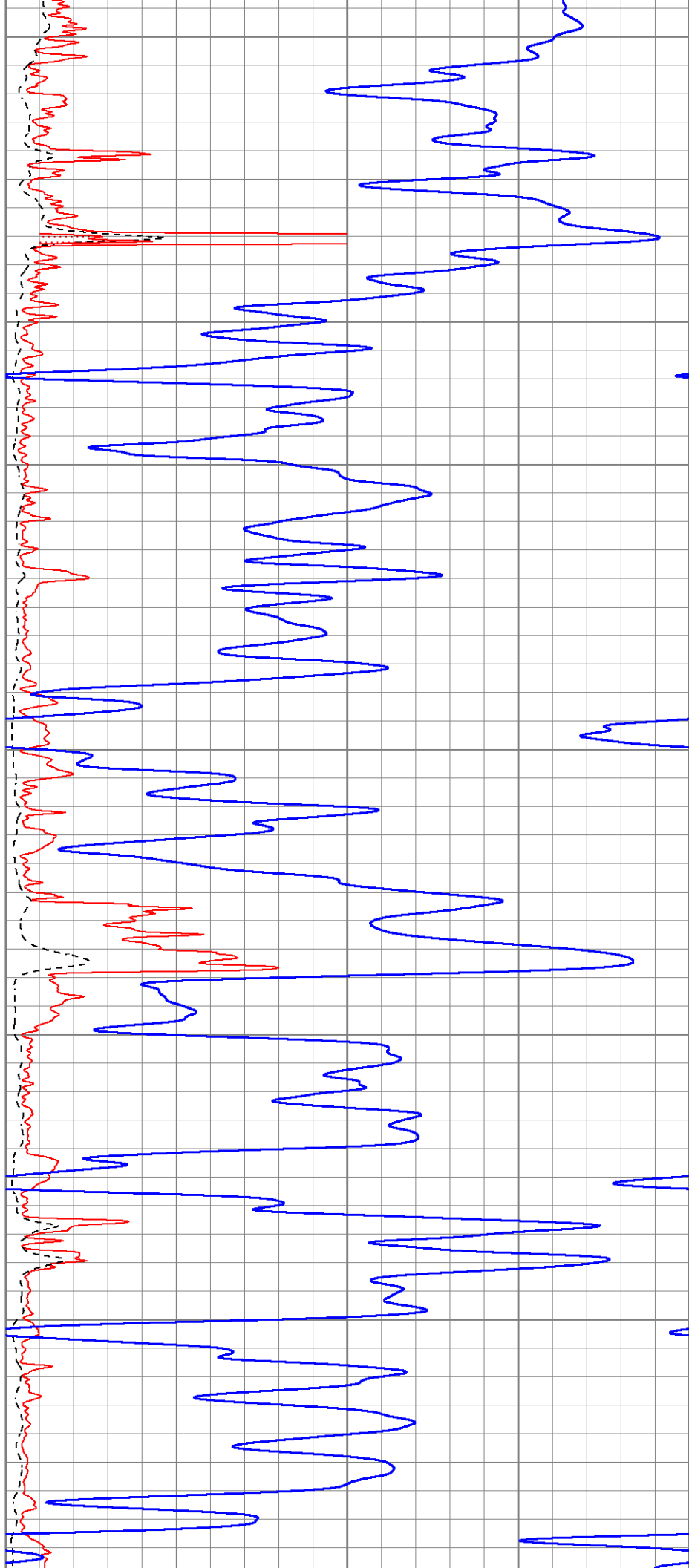
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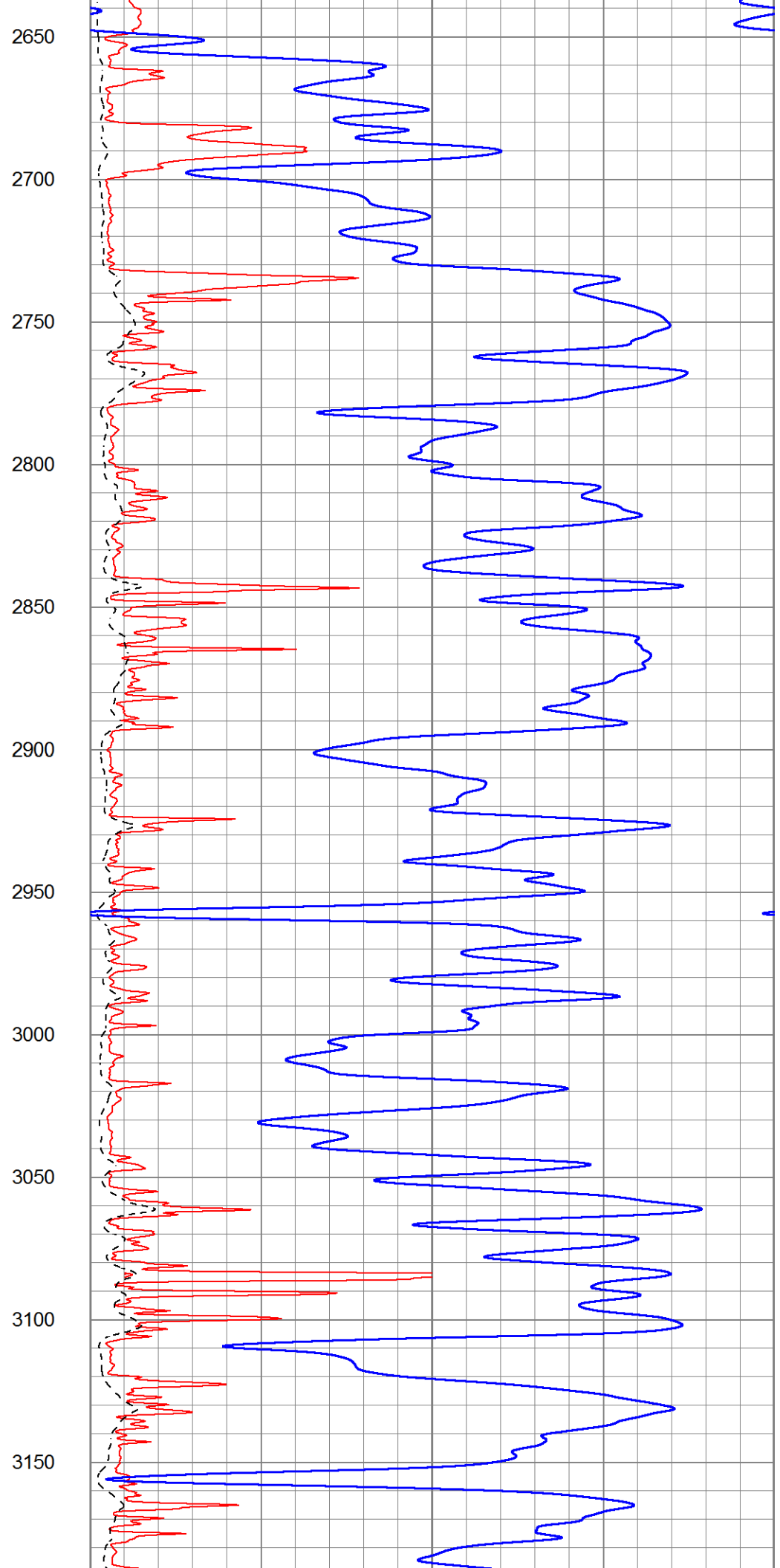
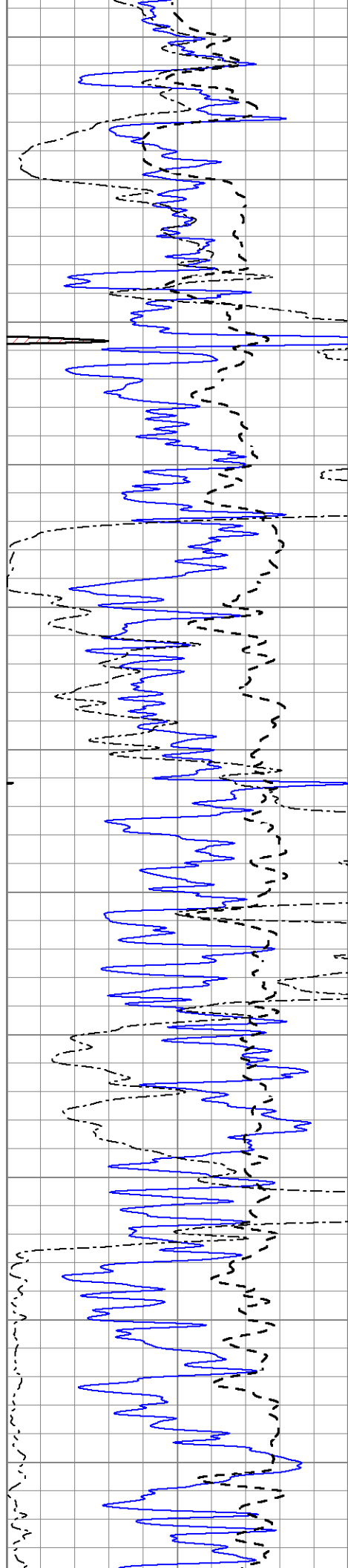
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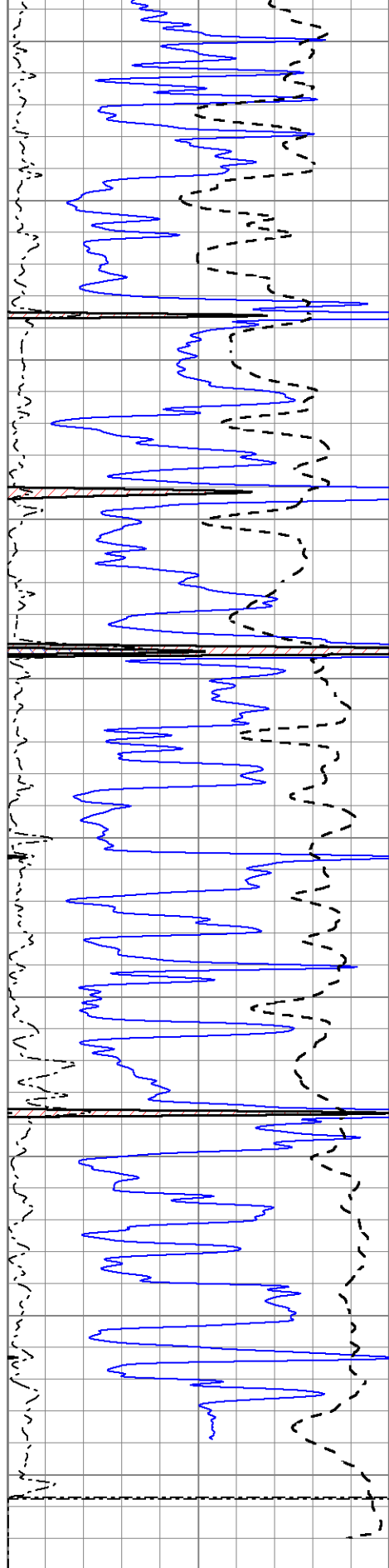
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2550

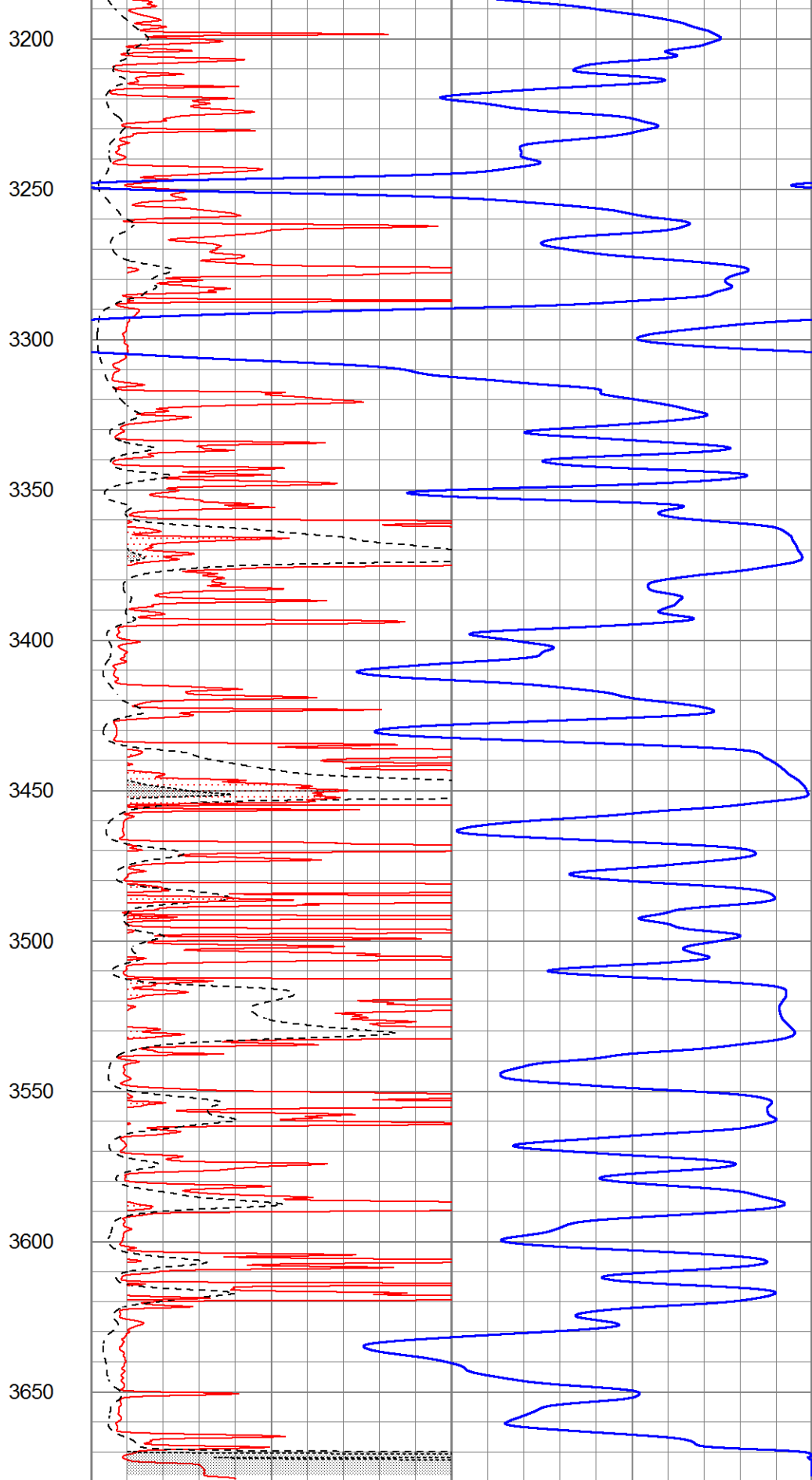
2600







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



# ANHYDRITE

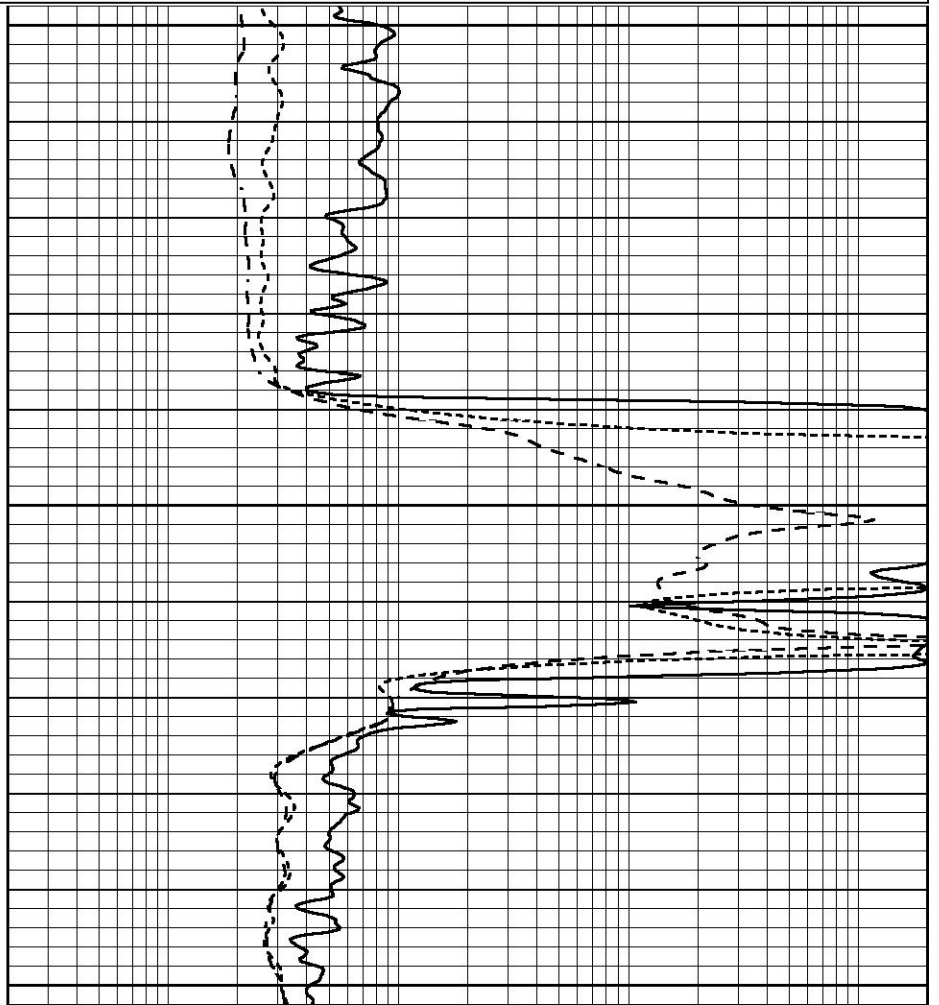
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Dataset Pathname pass3.1A  
Presentation Format \_dil  
Dataset Creation Sun Oct 01 06:41:02 2023  
Charted by Depth in Feet scaled 1:240

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



|      |                  |     |
|------|------------------|-----|
| 0    | 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 |



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

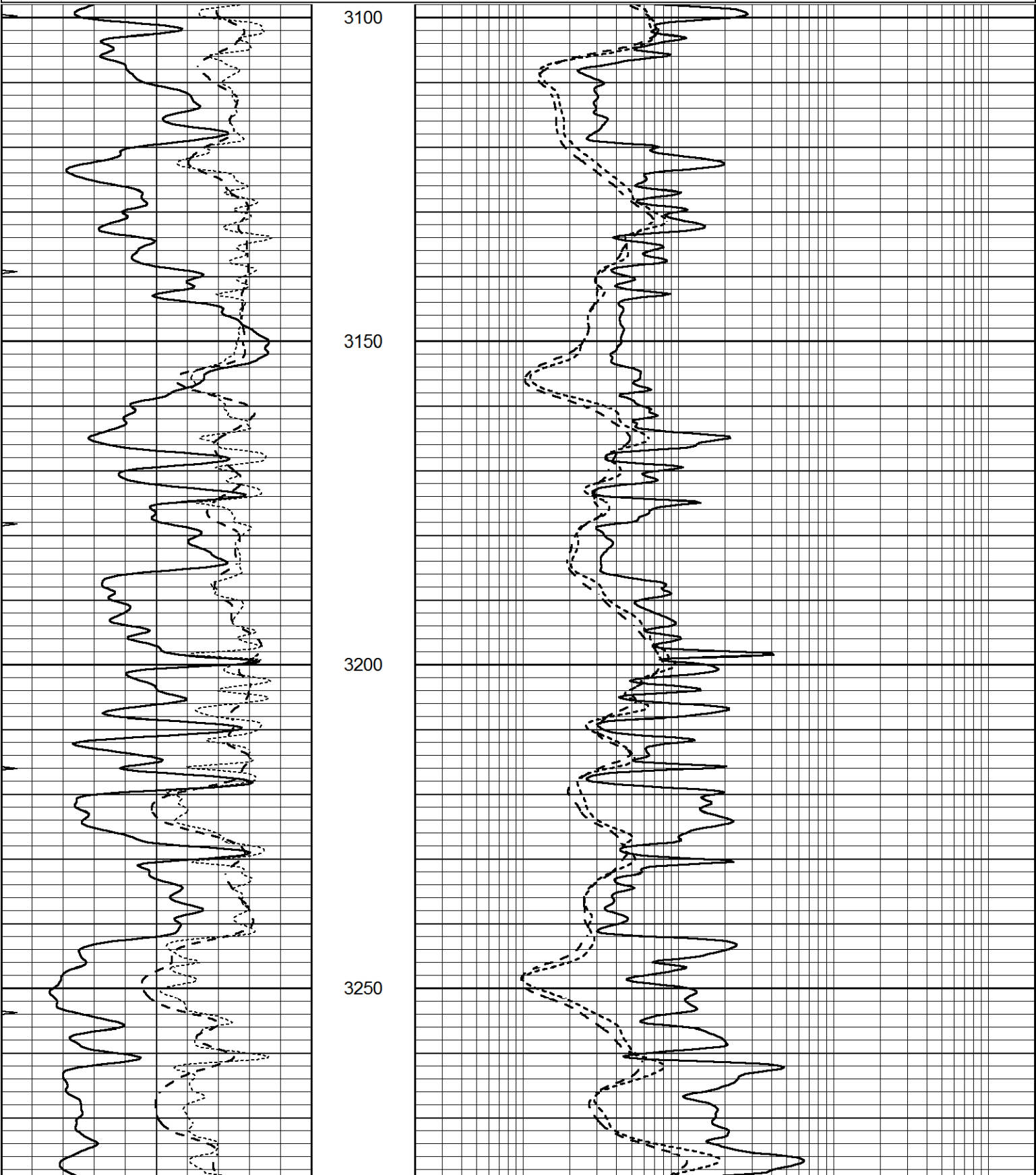


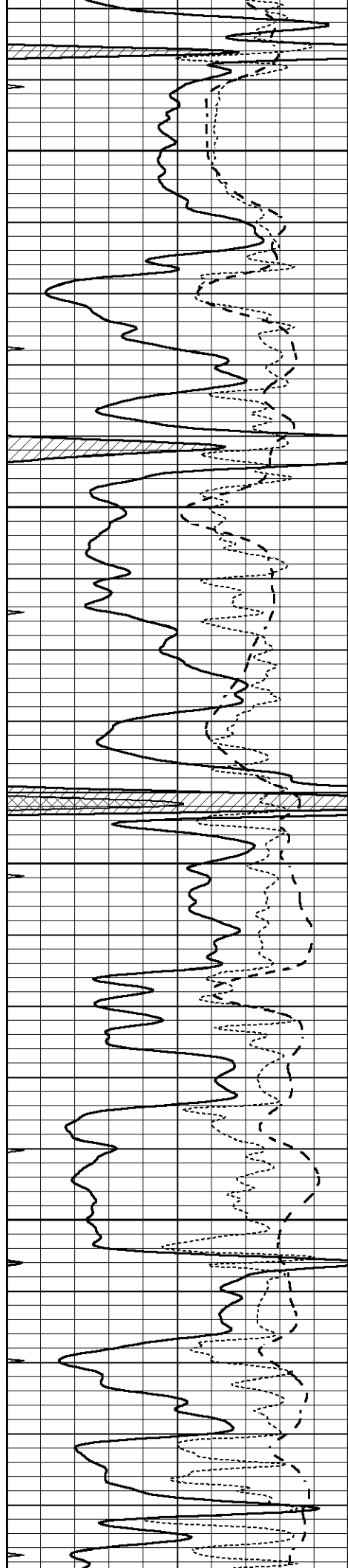
# MAIN SECTION

|                     |                            |
|---------------------|----------------------------|
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| Dataset Pathname    | pass3.1M                   |
| Presentation Format | _dil                       |
| Dataset Creation    | Sun Oct 01 06:40:32 2023   |
| 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 |



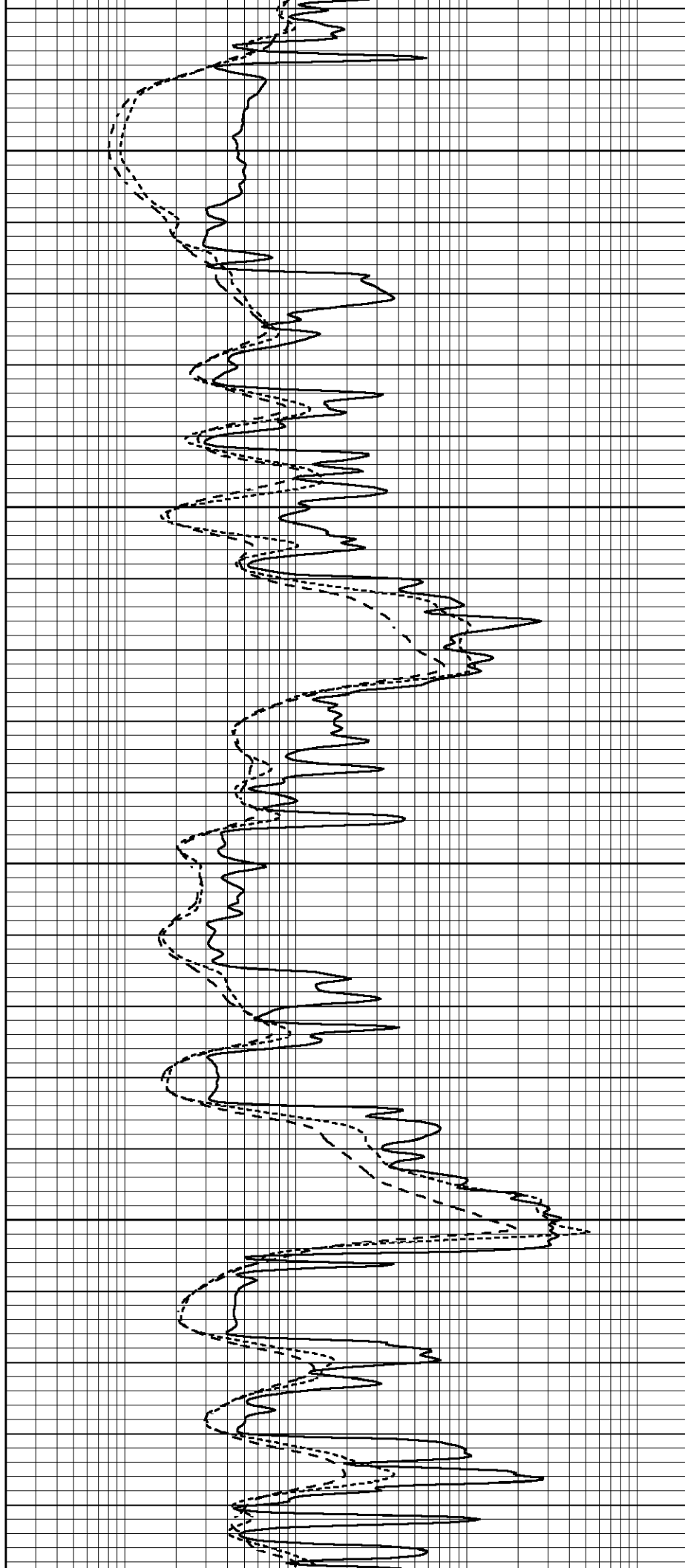


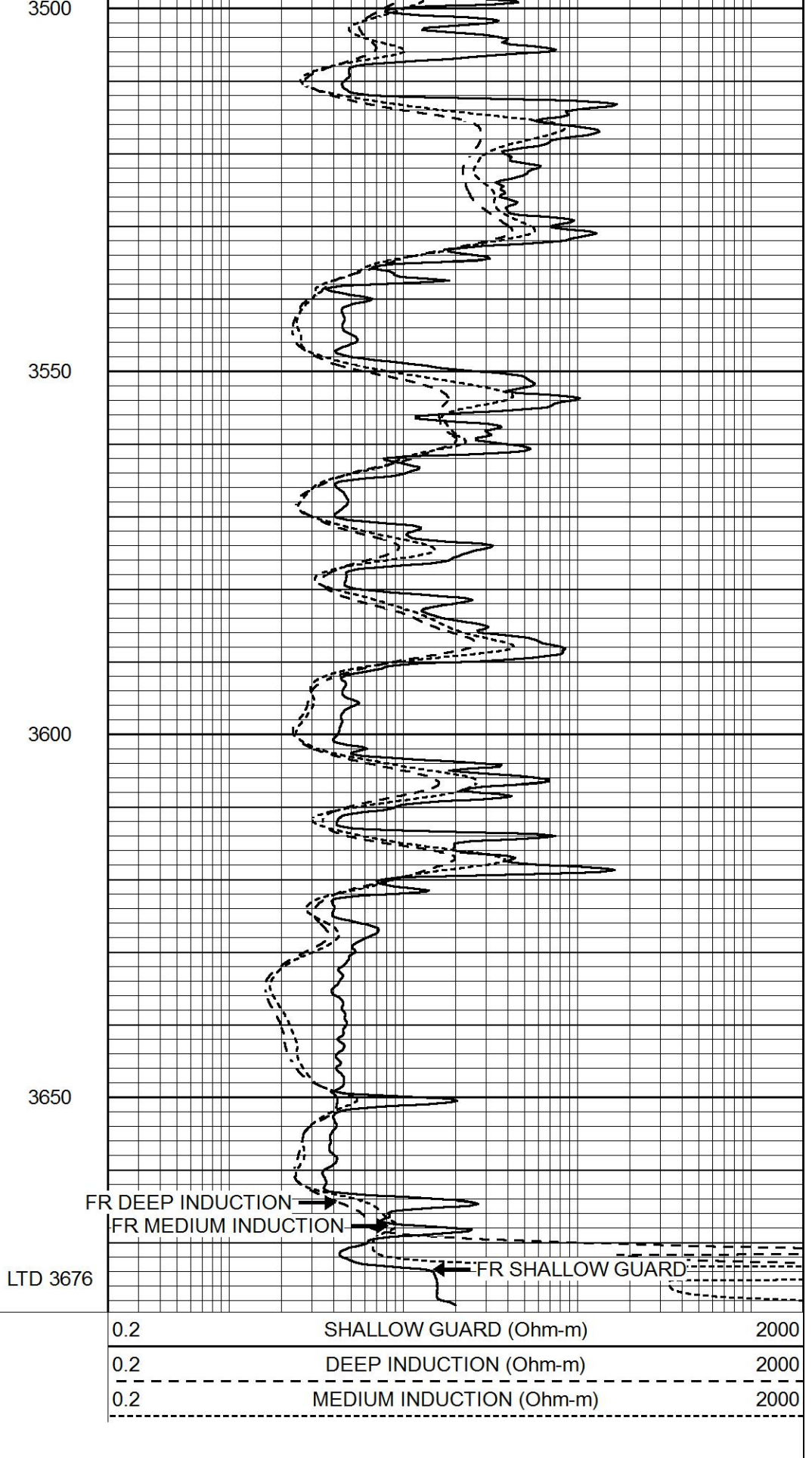
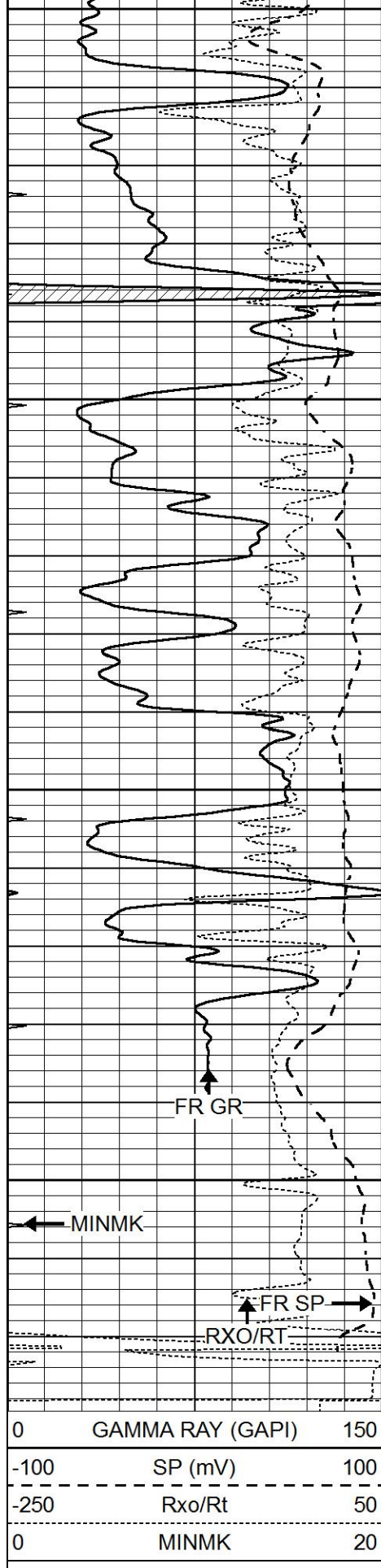
3300

3350

3400

3450





REPEAT SECTION

Database File8218ddn.db

Dataset Pathnamepass2.1R

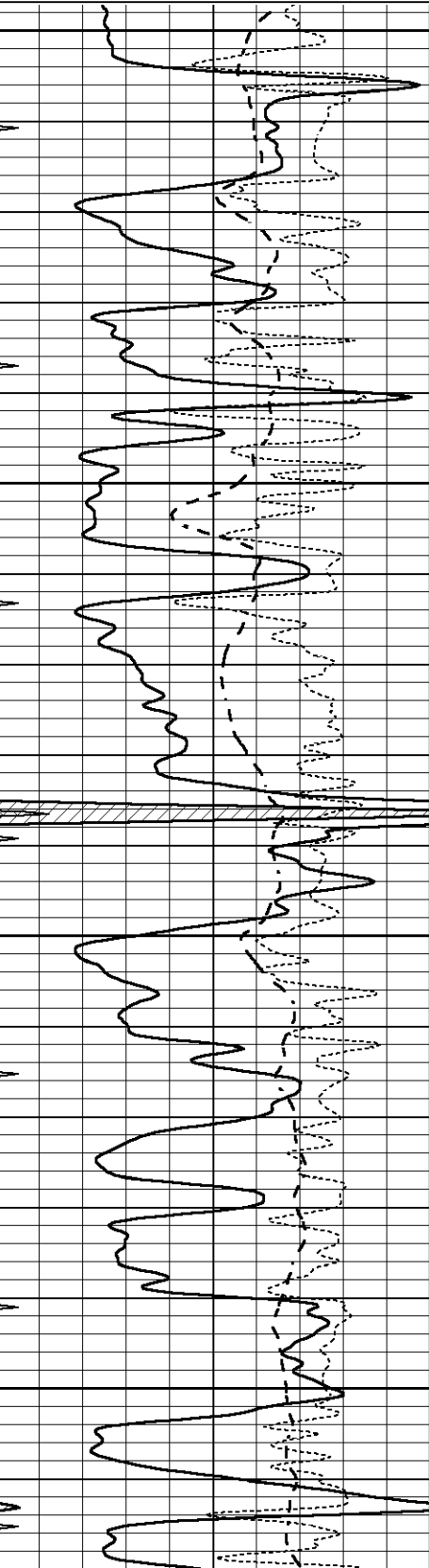
Presentation Format\_dil

Dataset CreationSun Oct 01 06:48:52 2023

Charted byDepth 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 |

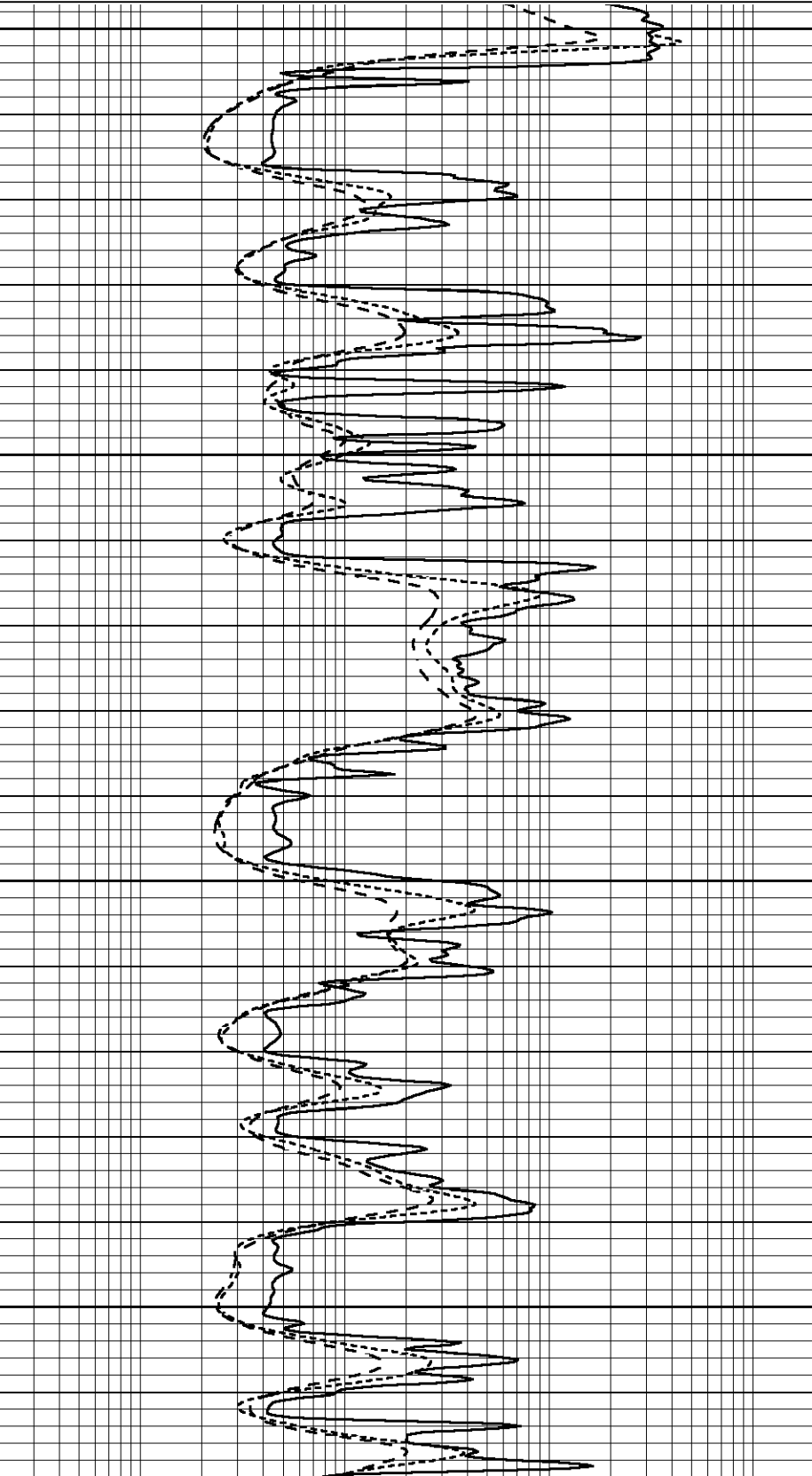


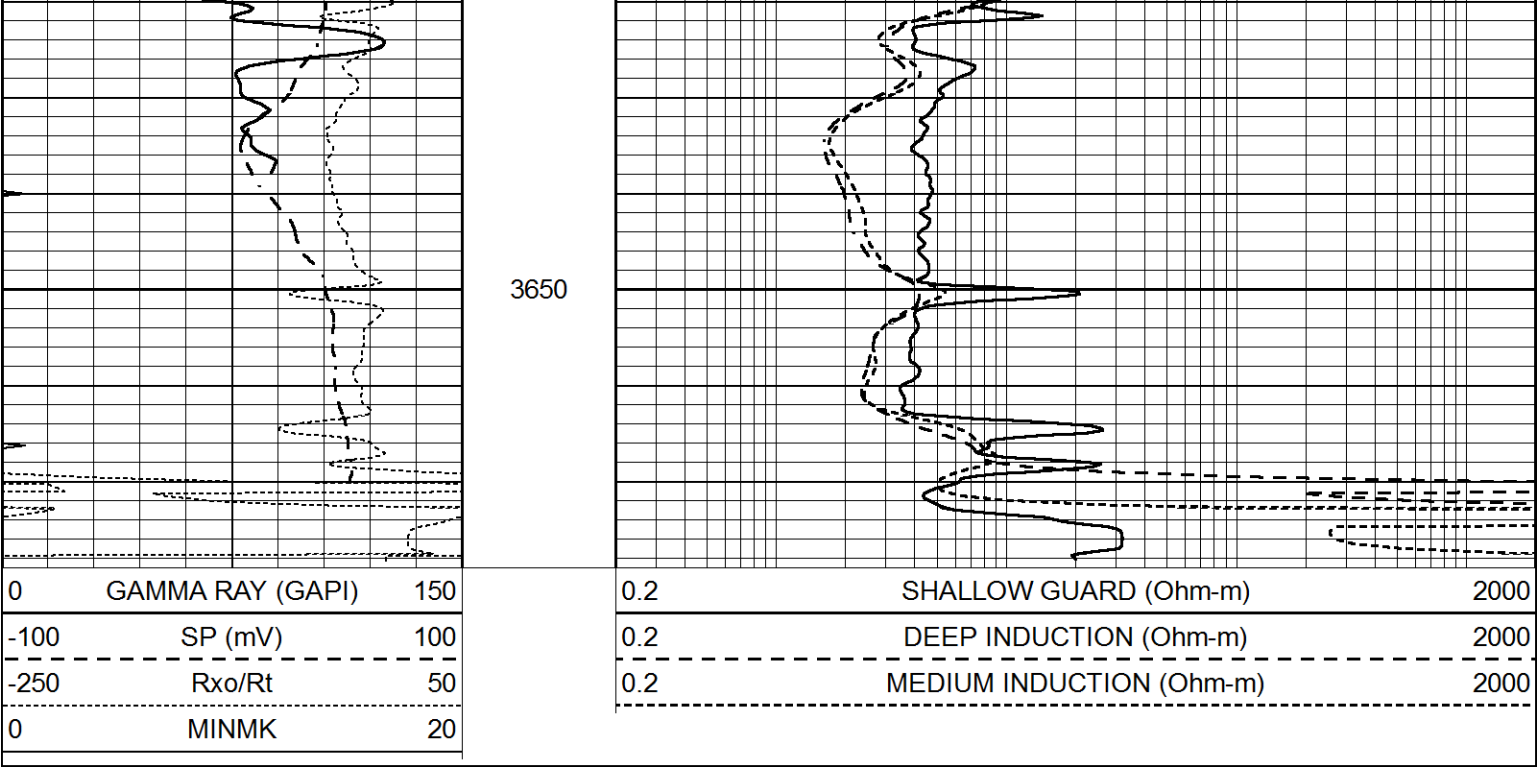
3450

3500

3550

3600





| Calibration Report                   |                          |        |        |            |                          |        |         |         |  |
|--------------------------------------|--------------------------|--------|--------|------------|--------------------------|--------|---------|---------|--|
| Database File                        | 8218ddn.db               |        |        |            |                          |        |         |         |  |
| Dataset Pathname                     | pass3.1M                 |        |        |            |                          |        |         |         |  |
| Dataset Creation                     | Sun Oct 01 06:40:32 2023 |        |        |            |                          |        |         |         |  |
| Dual Induction Calibration Report    |                          |        |        |            |                          |        |         |         |  |
| Serial-Model:                        |                          |        |        |            | PROBE8-DILG              |        |         |         |  |
| Surface Cal Performed:               |                          |        |        |            | Sat Sep 30 06:29:24 2023 |        |         |         |  |
| Downhole Cal Performed:              |                          |        |        |            | Mon Aug 14 00:39:25 2023 |        |         |         |  |
| After Survey Verification Performed: |                          |        |        |            | Mon Jul 28 11:08:27 2008 |        |         |         |  |
| Surface Calibration                  |                          |        |        |            |                          |        |         |         |  |
| Readings                             |                          |        |        | References |                          |        | Results |         |  |
| Loop:                                | Air                      | Loop   |        | Air        | Loop                     |        | m       | b       |  |
| Deep                                 | 0.015                    | 0.648  | V      | 0.000      | 400.000                  | mmho/m | 660.000 | -8.000  |  |
| Medium                               | 0.029                    | 0.796  | V      | 0.000      | 464.000                  | mmho/m | 620.000 | -20.000 |  |
| Internal:                            | Zero                     | Cal    |        | Zero       | Cal                      |        | m       | b       |  |
| Deep                                 | 0.017                    | 0.657  | V      | 0.000      | 400.000                  | mmho/m | 625.153 | -10.619 |  |
| Medium                               | 0.016                    | 0.757  | V      | 0.000      | 464.000                  | mmho/m | 625.992 | -9.739  |  |
| Downhole Calibration                 |                          |        |        |            |                          |        |         |         |  |
| Readings                             |                          |        |        | References |                          |        | Results |         |  |
|                                      | Zero                     | Cal    |        | Zero       | Cal                      |        | m'      | b'      |  |
| Deep                                 | 0.000                    | 0.000  | mmho/m | 2.011      | 405.777                  | mmho/m | 1.000   | 0.000   |  |
| Medium                               | 0.000                    | 0.000  | mmho/m | 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   |  |

|        |       |       |        |       |       |        |       |       |
|--------|-------|-------|--------|-------|-------|--------|-------|-------|
| 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: 002      Model: PRB

|                    |            |             |                                    |                     |         |  |  |  |
|--------------------|------------|-------------|------------------------------------|---------------------|---------|--|--|--|
| Master Calibration |            |             | Performed Tue Aug 02 15:13:46 2022 |                     |         |  |  |  |
|                    | Background | Magnesium   | Aluminum                           | Aluminum+Fe         |         |  |  |  |
| Window 1           | 756.0      | 9803.2      | 2626.7                             | 2317.1              | cps     |  |  |  |
| Window 2           | 695.1      | 8255.1      | 2265.2                             | 2043.1              | cps     |  |  |  |
| Window 3           | 550.8      | 3929.2      | 1238.3                             | 1173.3              | cps     |  |  |  |
| Window 4           | 165.8      | 166.7       | 163.3                              | 164.0               | cps     |  |  |  |
| Long Space         | 0.0        | 7560.0      | 1570.1                             | 1348.0              | cps     |  |  |  |
| Short Space        | 1.7        | 1555.8      | 1144.9                             | 997.1               | cps     |  |  |  |
| Rho                |            | 1.7100      | 2.5900                             | 0.0000              | g/cc    |  |  |  |
| Pe                 |            | 2.0000      | 2.7500                             | 5.7900              |         |  |  |  |
| Rib Angle          | : 49.0     | Rib Slope   | : 1.149                            | Density/Spine Ratio | : 0.550 |  |  |  |
| Spine Angle        | : 79.0     | Spine Slope | : 5.125                            | Spine Intercept     | : -28.7 |  |  |  |

|                            |     |        |                                    |        |      |  |  |  |
|----------------------------|-----|--------|------------------------------------|--------|------|--|--|--|
| 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: | 070807PMC |
| 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:                   | Sun Sep 17 12:49:32 2023 |          |        |
| Calibrator Value:            | 1.0                      | GAPI     |        |
| Background Reading:          | 0.0                      | cps      |        |
| Calibrator Reading:          | 1.0                      | cps      |        |
| Sensitivity:                 | 0.3000                   | GAPI/cps |        |