



# COMPENSATED DENSITY/NEUTRON PE LOG

|                              |                                                                    |                                     |                             |
|------------------------------|--------------------------------------------------------------------|-------------------------------------|-----------------------------|
| Company                      | McCOY PETROLEUM CORPORATION                                        | Company                             | McCOY PETROLEUM CORPORATION |
| Well                         | NORRIS "A" #1-19                                                   | Well                                | NORRIS "A" #1-19            |
| Field                        | UNNAMED                                                            | Field                               | UNNAMED                     |
| County                       | SUMNER                                                             | County                              | SUMNER                      |
| State                        | KANSAS                                                             | State                               | KANSAS                      |
| Location:                    | API # : 15-191-22844-0000<br>1980' FSL & 990' FWL<br>E/2 - NW - SW | Other Services<br>DIL/MEL<br>SONIC  |                             |
| Permanent Datum              | SEC 9 TWP 33S RGE 1E                                               | Elevation                           |                             |
| Log Measured From            | GROUND LEVEL Elevation 1171<br>KELLY BUSHING 12' A.G.L.            | K.B. 1183<br>D.F. 1181<br>G.L. 1171 |                             |
| Drilling Measured From       | KELLY BUSHING                                                      |                                     |                             |
| Date                         | 6/28/22                                                            |                                     |                             |
| Run Number                   | ONE                                                                |                                     |                             |
| Depth Driller                | 4200                                                               |                                     |                             |
| Depth Logger                 | 4200                                                               |                                     |                             |
| Bottom Logged Interval       | 4176                                                               |                                     |                             |
| Top Log Interval             | 2500                                                               |                                     |                             |
| Casing Driller               | 8 5/8" @ 253'                                                      |                                     |                             |
| Casing Logger                | 268                                                                |                                     |                             |
| Bit Size                     | 7 7/8"                                                             |                                     |                             |
| Type Fluid in Hole           | CHEMICAL MUD                                                       | CHLORIDES: 1,800 PPM                |                             |
| Density / Viscosity          | 9.0/49                                                             |                                     |                             |
| pH / Fluid Loss              | 10.5/10.0                                                          |                                     |                             |
| Source of Sample             | FLOWLINE                                                           |                                     |                             |
| Rm @ Meas. Temp              | 1.10 @ 98F                                                         |                                     |                             |
| Rmf @ Meas. Temp             | .825 @ 98F                                                         |                                     |                             |
| Rmc @ Meas. Temp             | 1.32 @ 98F                                                         |                                     |                             |
| Source of Rmf / Rmc          | MEASURED                                                           |                                     |                             |
| Rm @ BHT                     | .914 @ 118F                                                        |                                     |                             |
| Time Circulation Stopped     | 4 HOURS                                                            |                                     |                             |
| Time Logger on Bottom        | 1:30 P.M.                                                          |                                     |                             |
| Maximum Recorded Temperature | 118F                                                               |                                     |                             |
| Equipment Number             | 8916                                                               |                                     |                             |
| Location                     | HAYS, KANSAS                                                       |                                     |                             |
| Recorded By                  | JEFF LUEBBERS                                                      |                                     |                             |
| Witnessed By                 | DAVE WILLIAMS                                                      |                                     |                             |

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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

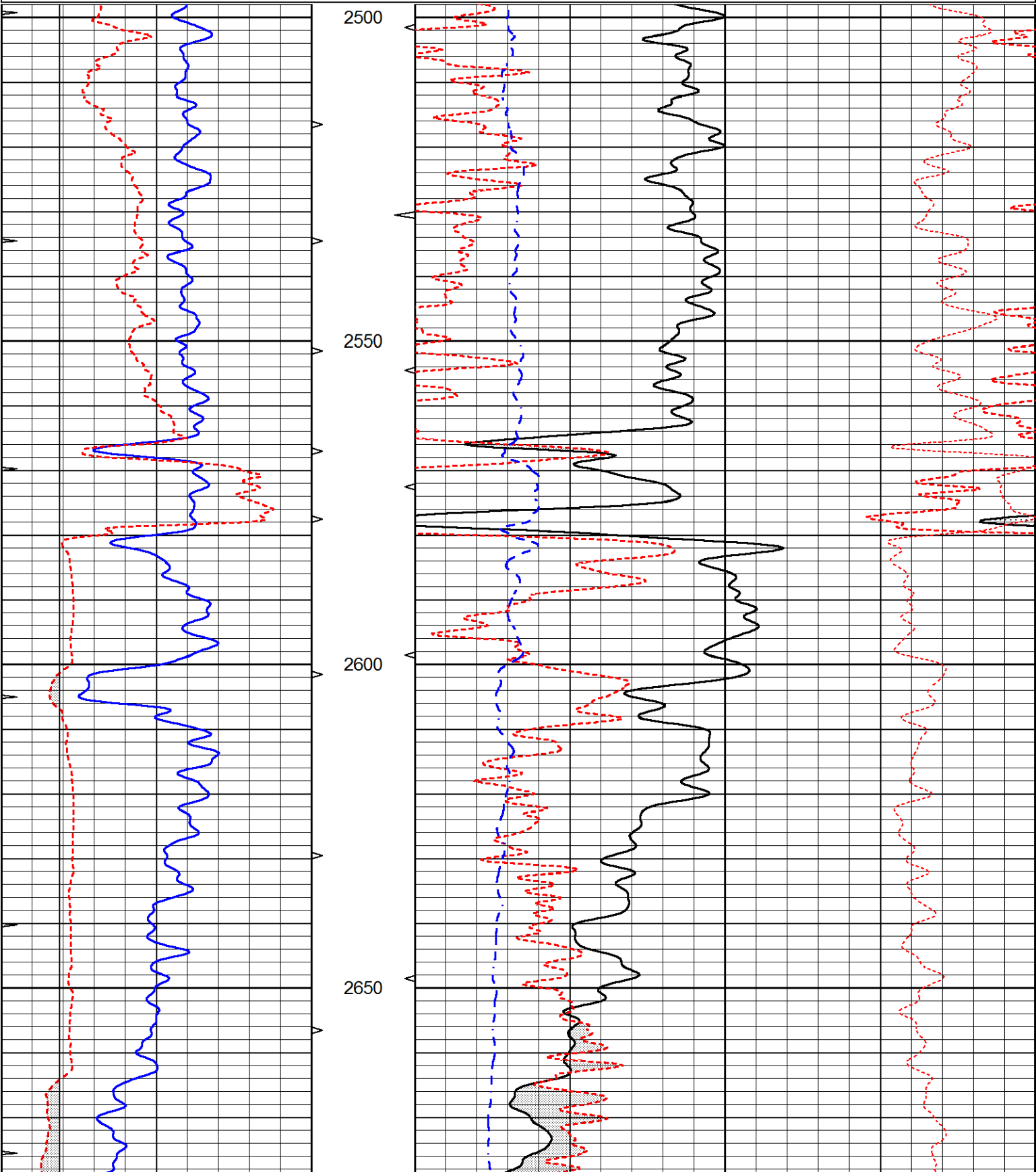
THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395  
DIRECTIONS:  
WELLINGTON, KS., (JUNCTION HWY 160 & 81) 3 1/2S. TO "RD. E60TH", 3E. TO "SENECA RD.", 1S.,  
E. OVER TURNPIKE, N. INTO@ GREEN GATES

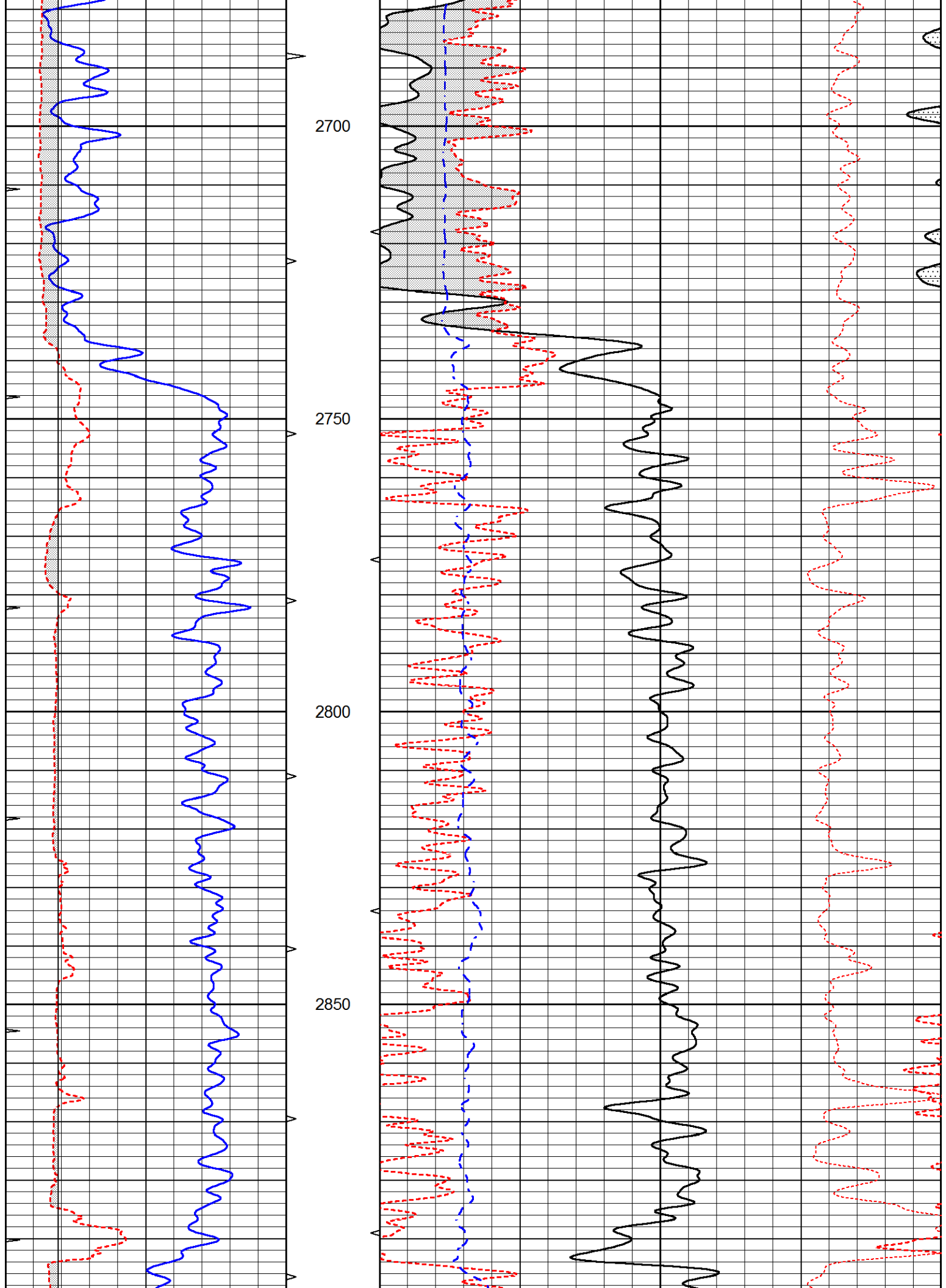


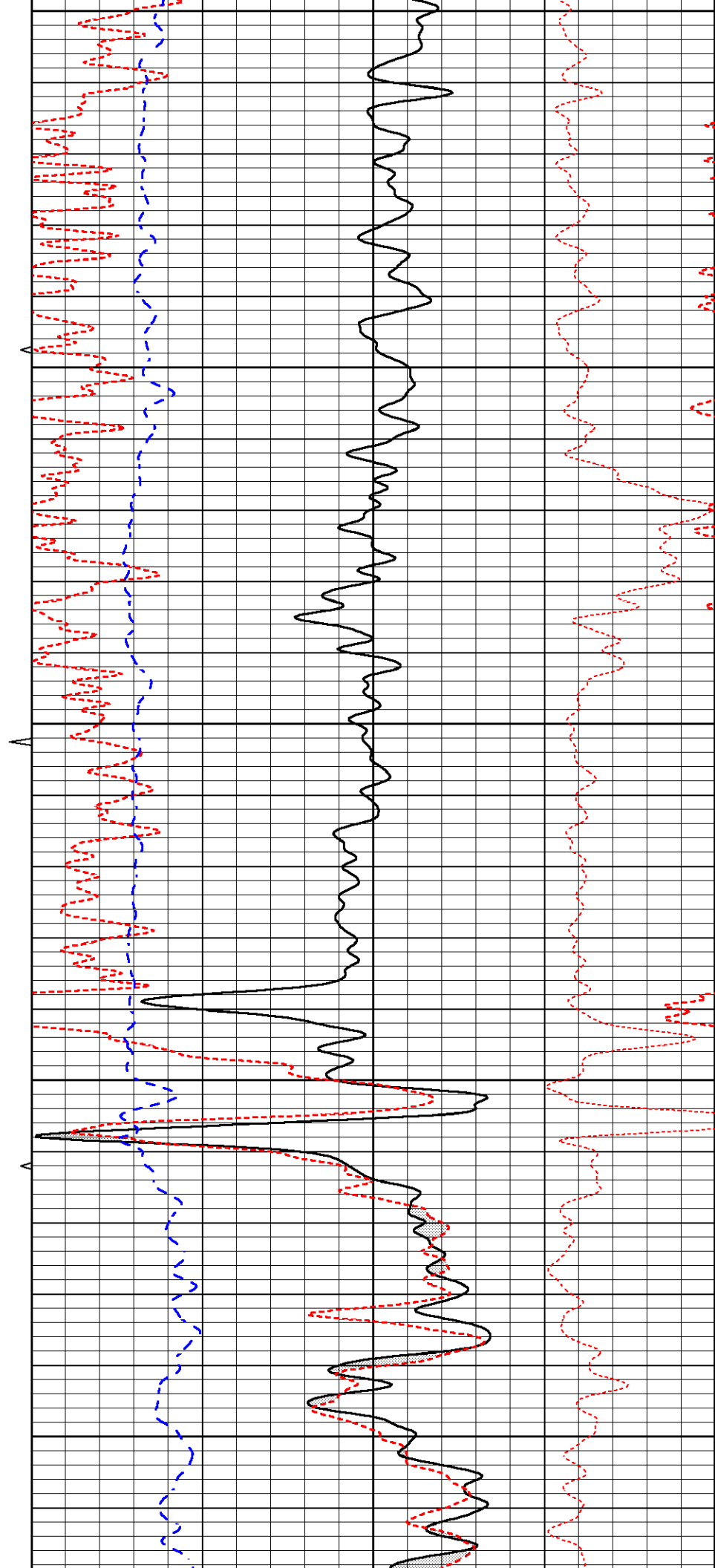
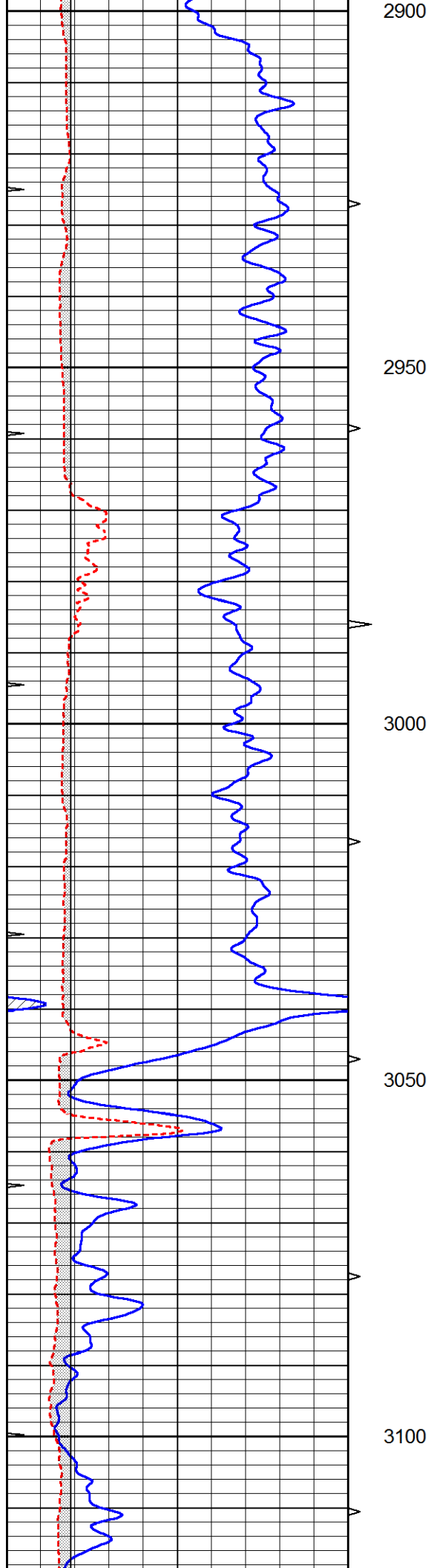
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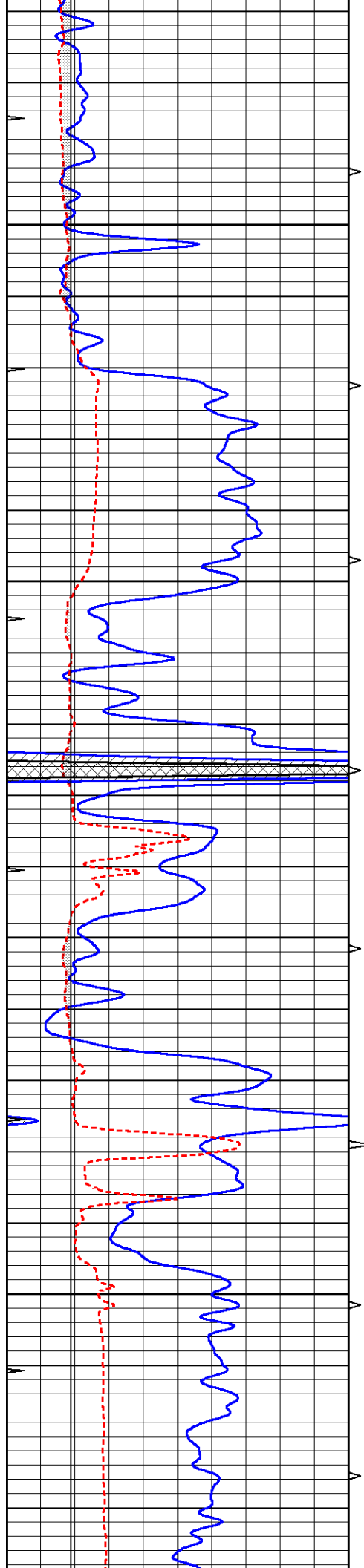
|                     |                            |
|---------------------|----------------------------|
| Database File       | 6574pe.db                  |
| Dataset Pathname    | pass3.1M                   |
| Presentation Format | _ldt_neu                   |
| Dataset Creation    | Tue Jun 28 15:43:43 2022   |
| Charted by          | Depth in Feet scaled 1:240 |

|   |                  |     |          |    |                          |                   |
|---|------------------|-----|----------|----|--------------------------|-------------------|
| 0 | GAMMA RAY (GAPI) | 150 | ABHV     | 30 | COMPENSATED DENSITY (pu) | -10               |
| 6 | CALIPER (in)     | 16  | 10 (ft3) | 0  | COMPENSATED NEUTRON (pu) | -10               |
| 0 | MINMK            | 20  | TBHV     | 0  | PE                       | 10                |
|   |                  |     | 0 (ft3)  | 10 | -0.25                    | CORRECTION (g/cc) |
|   |                  |     |          |    | 0.25                     |                   |







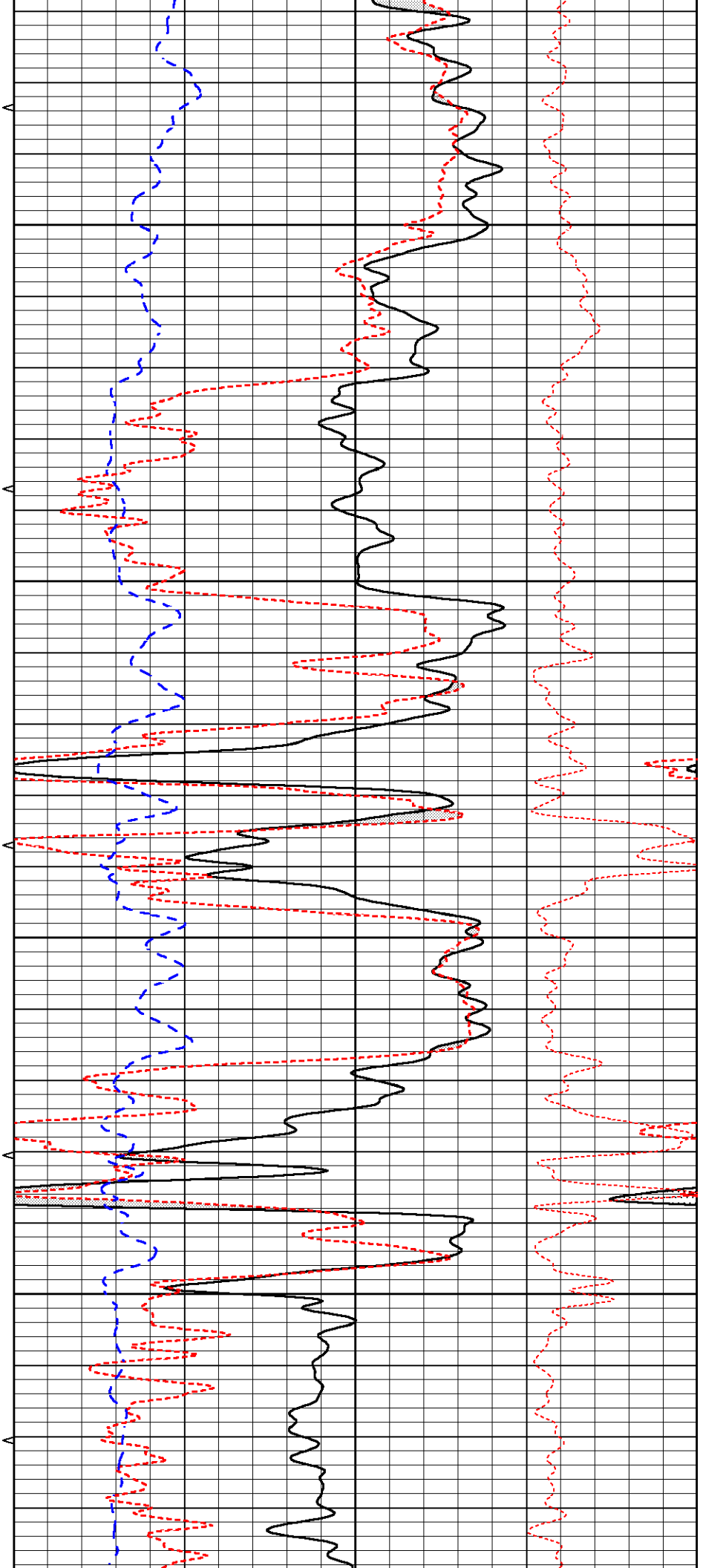


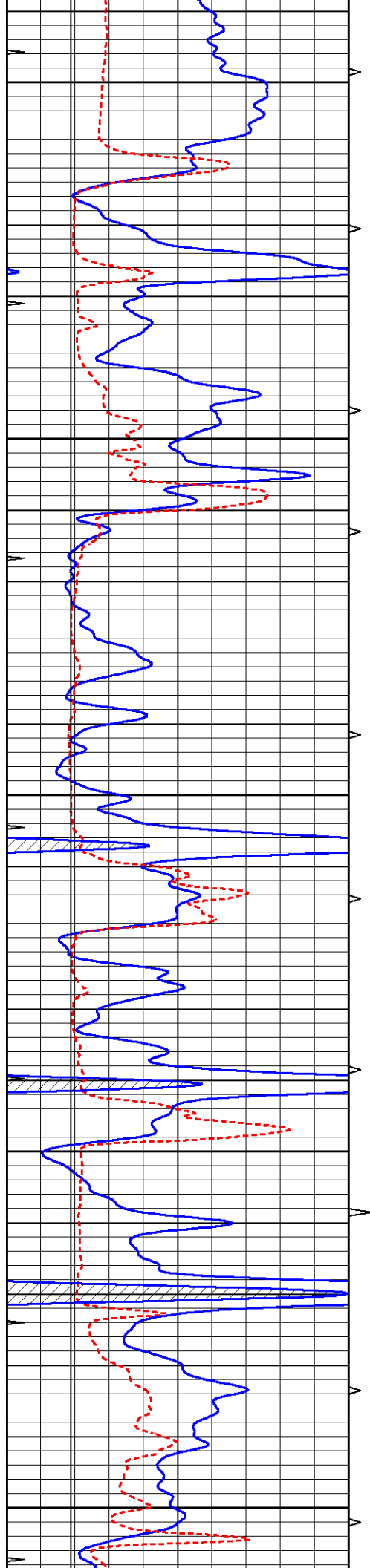
3150

3200

3250

3300





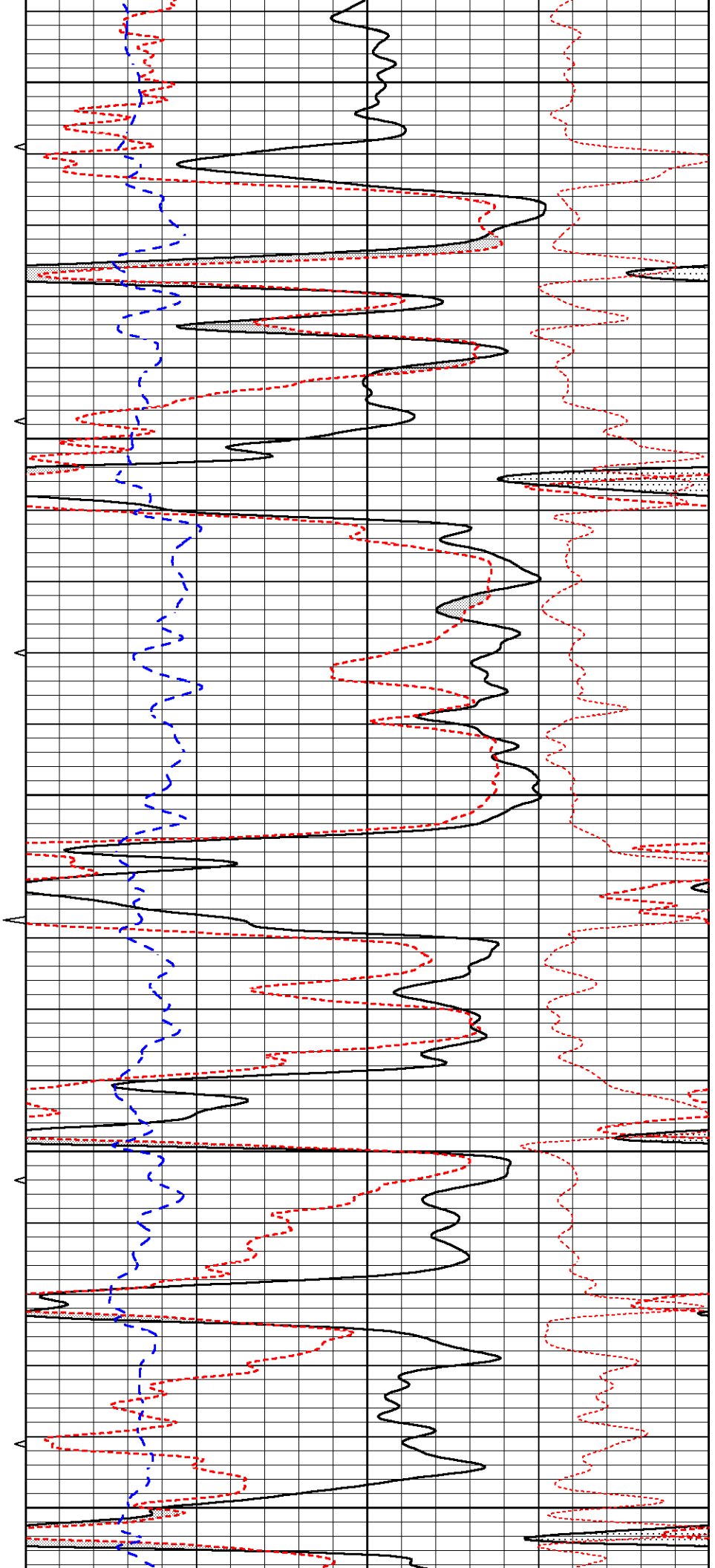
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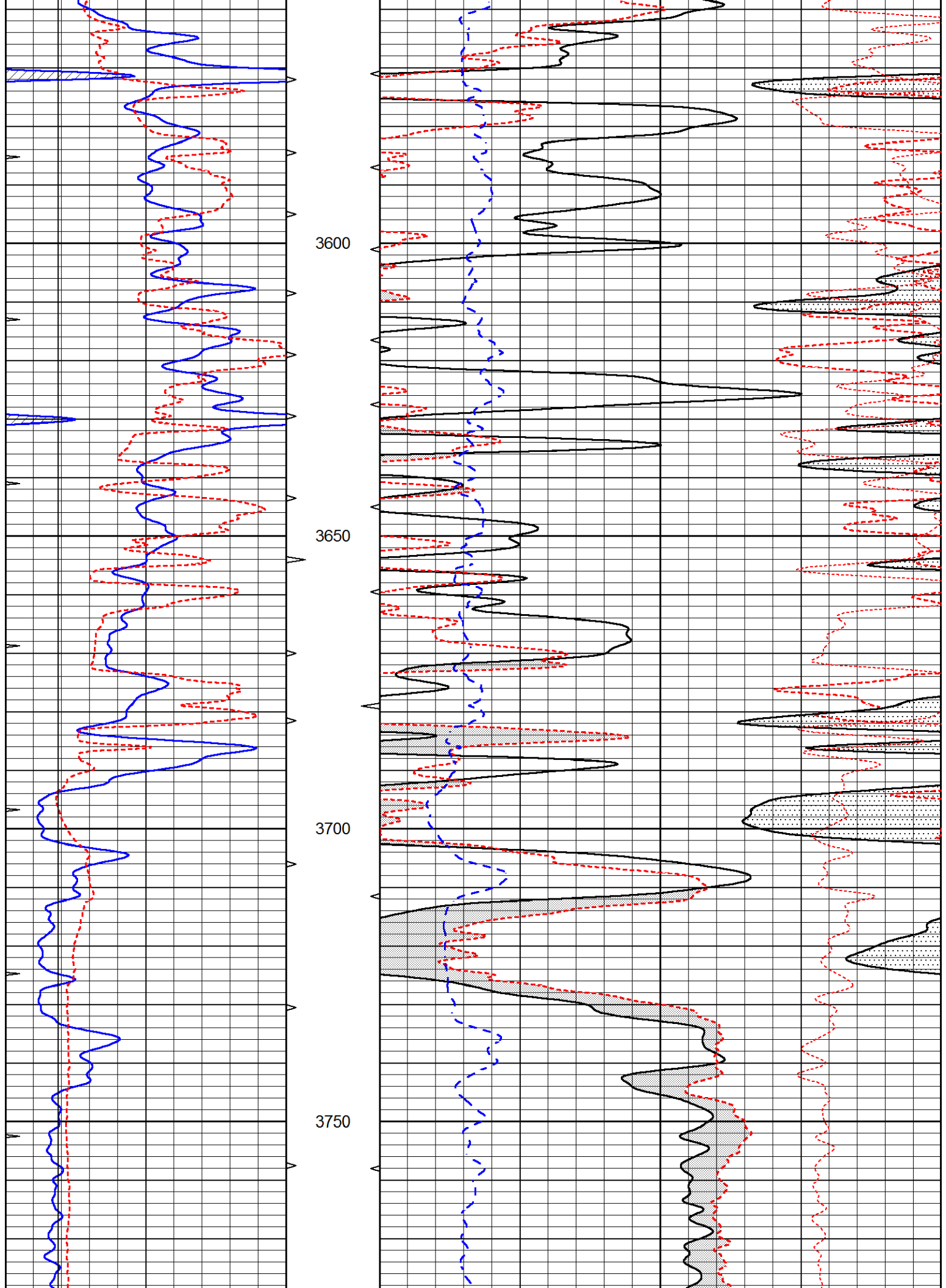
3400

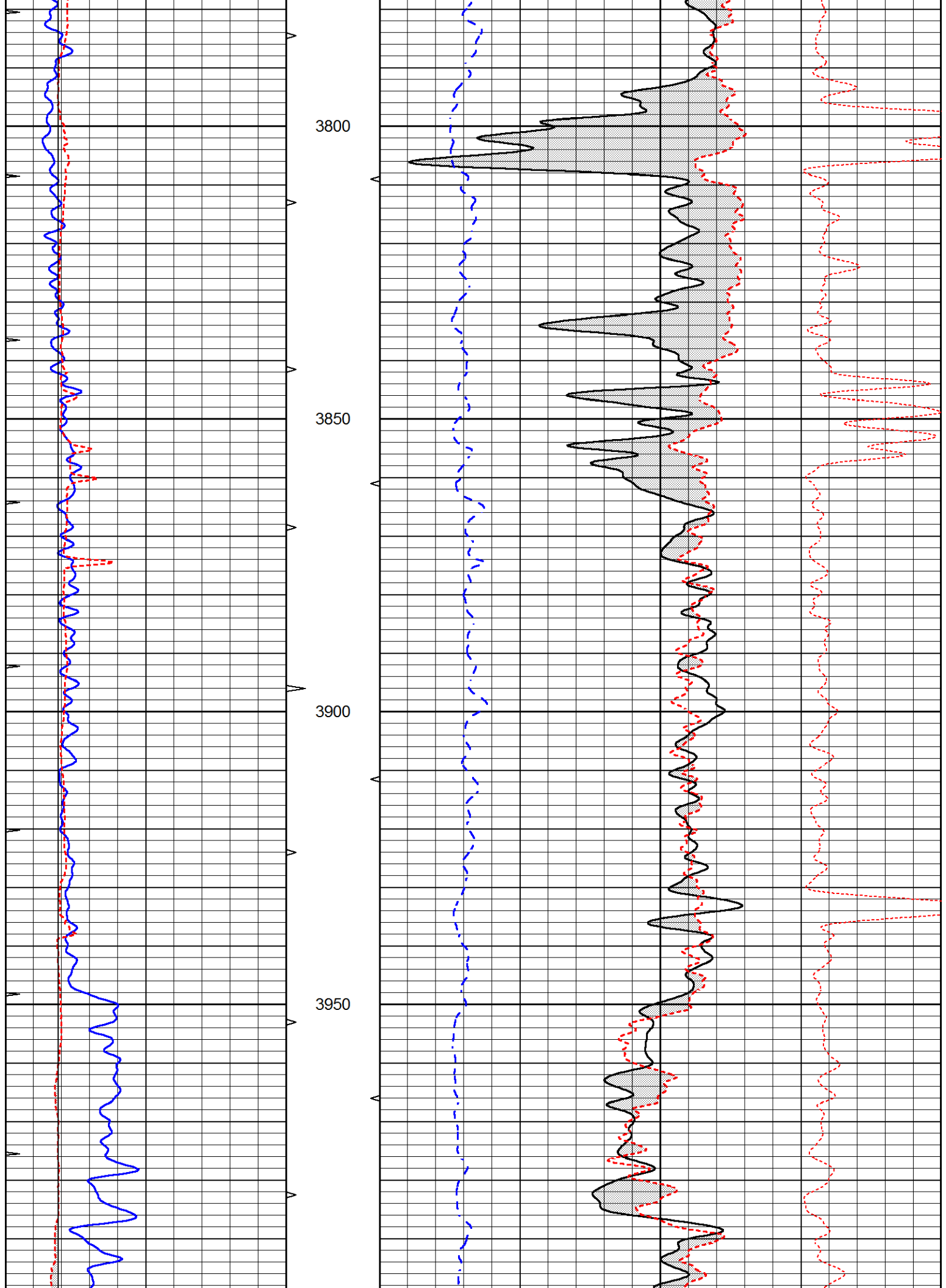
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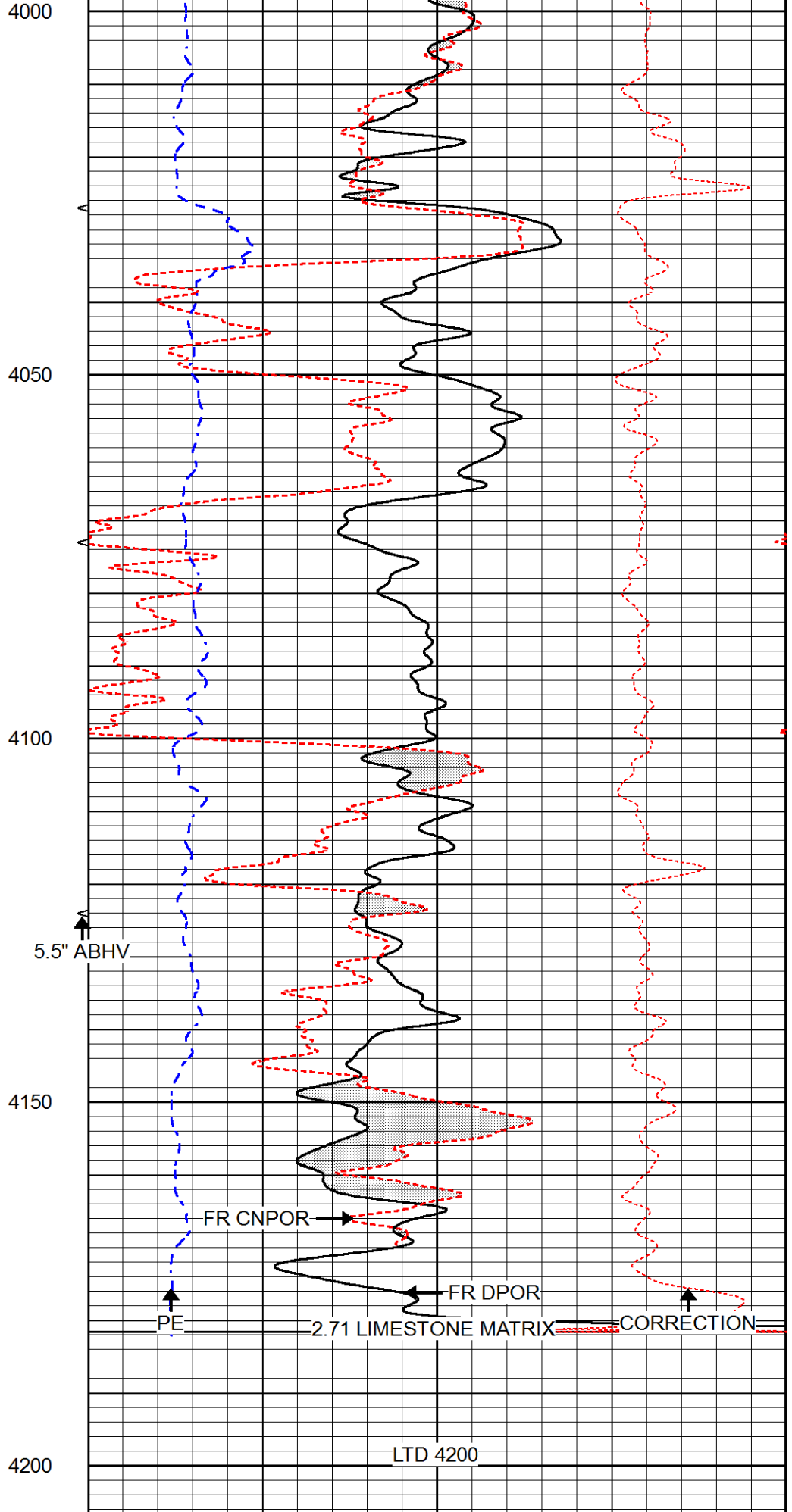
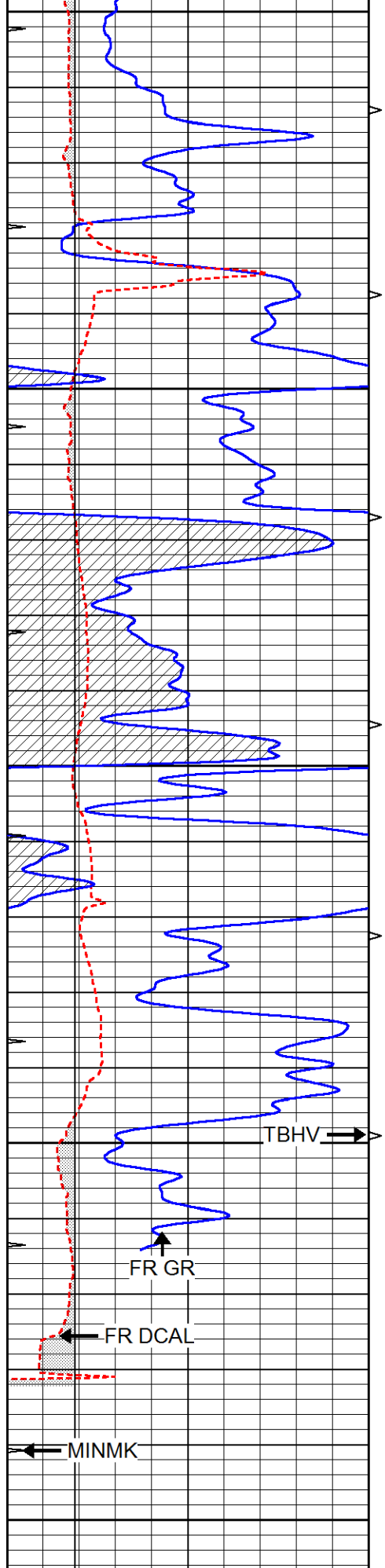
3500

3550









|   |                  |     |          |      |                          |                          |
|---|------------------|-----|----------|------|--------------------------|--------------------------|
| 0 | GAMMA RAY (GAPI) | 150 | ABHV     | 30   | COMPENSATED DENSITY (pu) | -10                      |
| 6 | CALIPER (in)     | 16  | 10 (ft3) | 0 30 | COMPENSATED NEUTRON (pu) | -10                      |
| 2 | MINMK            | 20  | TBHV     | 0    | PE                       | 10 0.25 CORRECTION (1/1) |

|   |       |    |         |    |    |    |       |                   |      |
|---|-------|----|---------|----|----|----|-------|-------------------|------|
| 0 | MINMK | 20 | TBHV    | 0  | PE | 10 | -0.25 | CORRECTION (g/cc) | 0.25 |
|   |       |    | 0 (ft3) | 10 |    |    |       |                   |      |

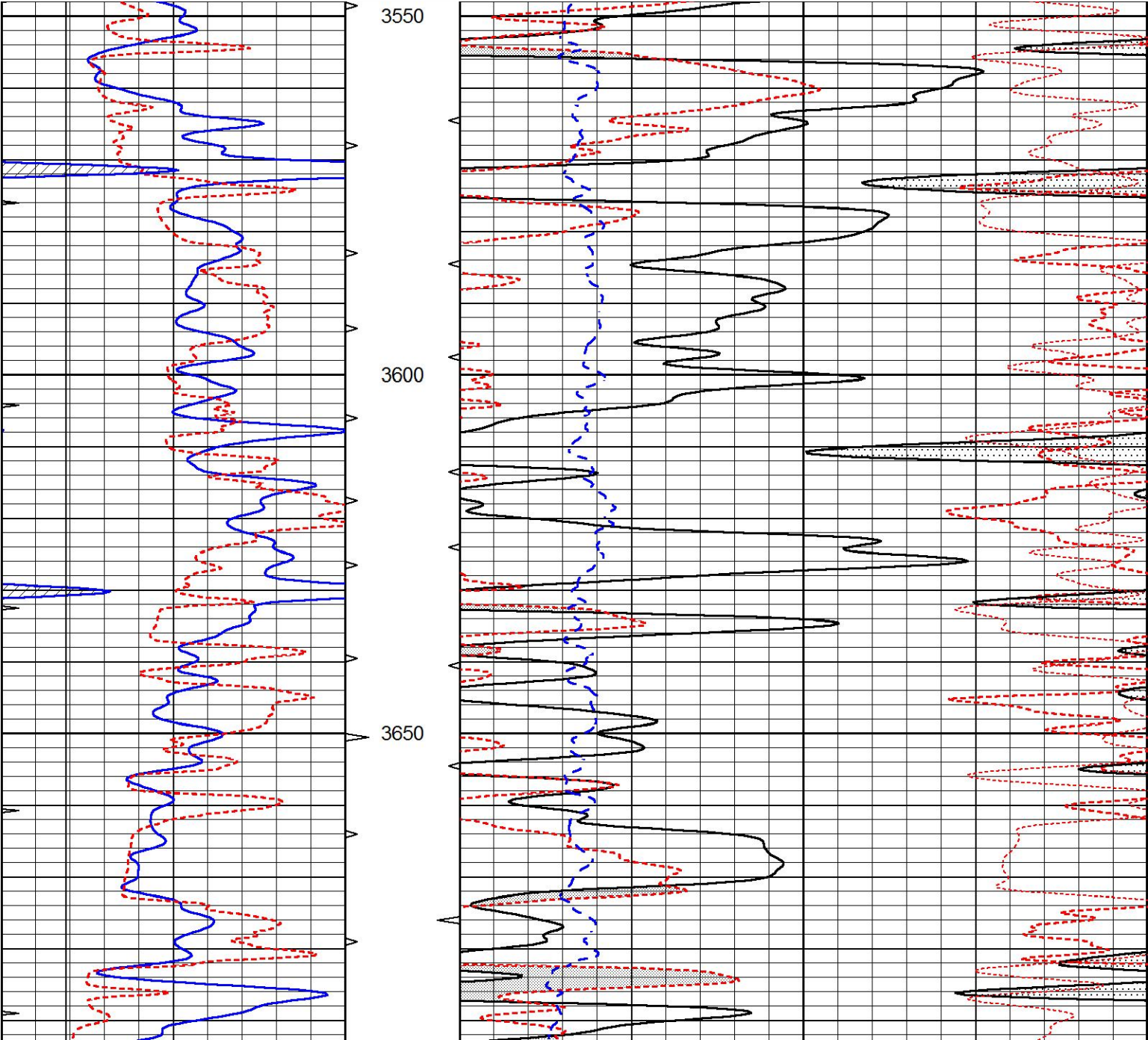


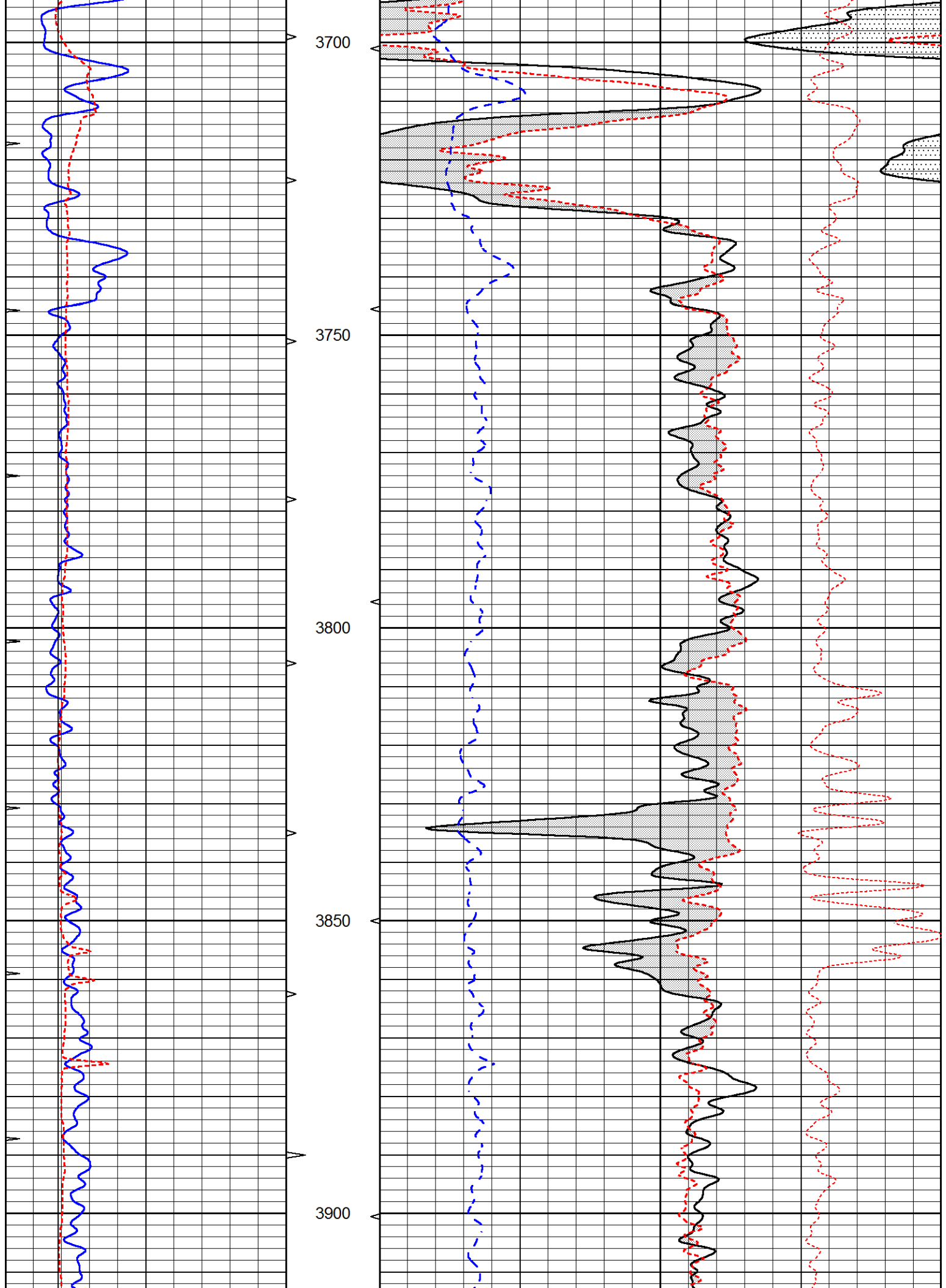
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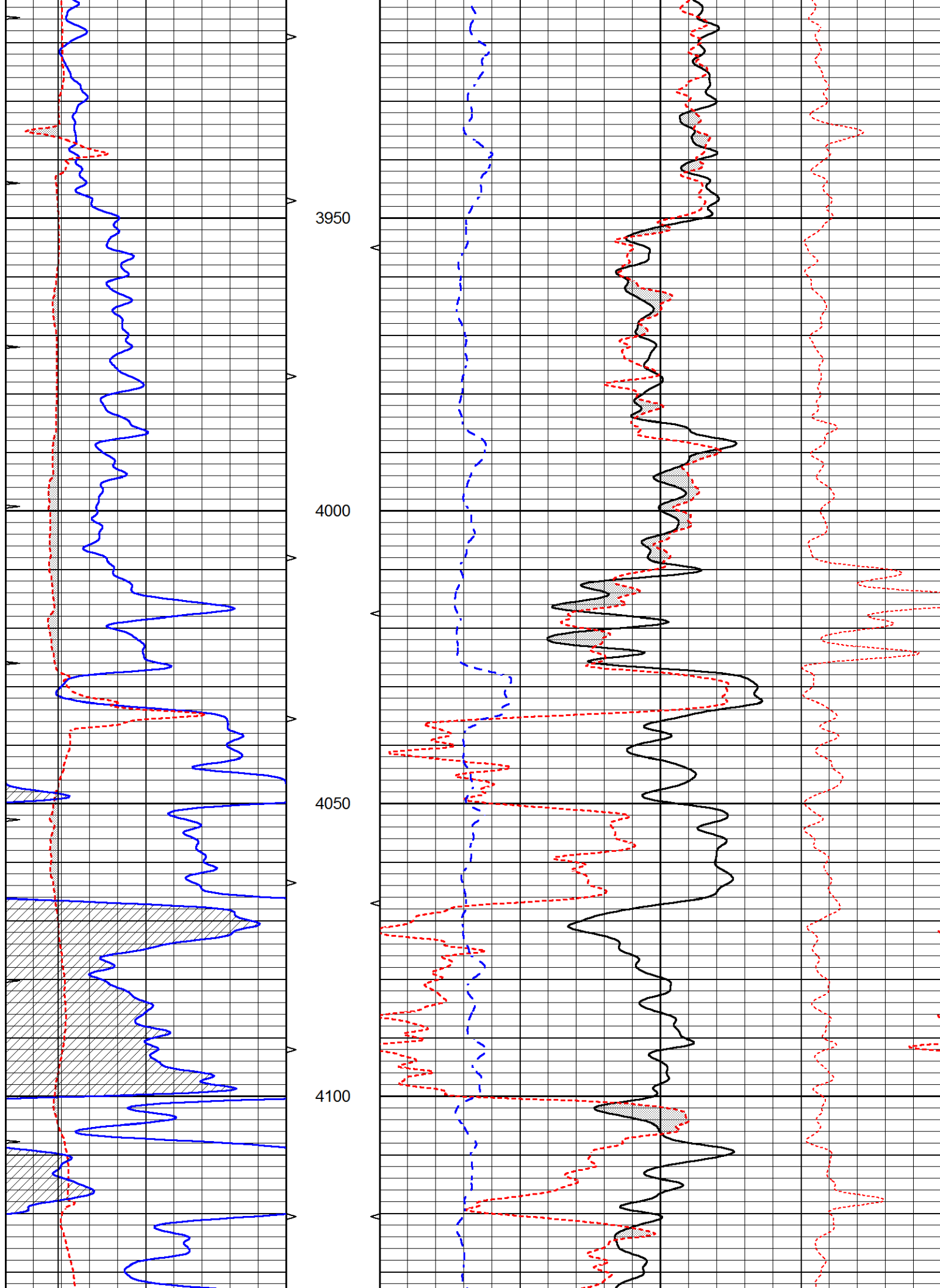
Database File  
Dataset Pathname  
Presentation Format  
Dataset Creation  
Charted by

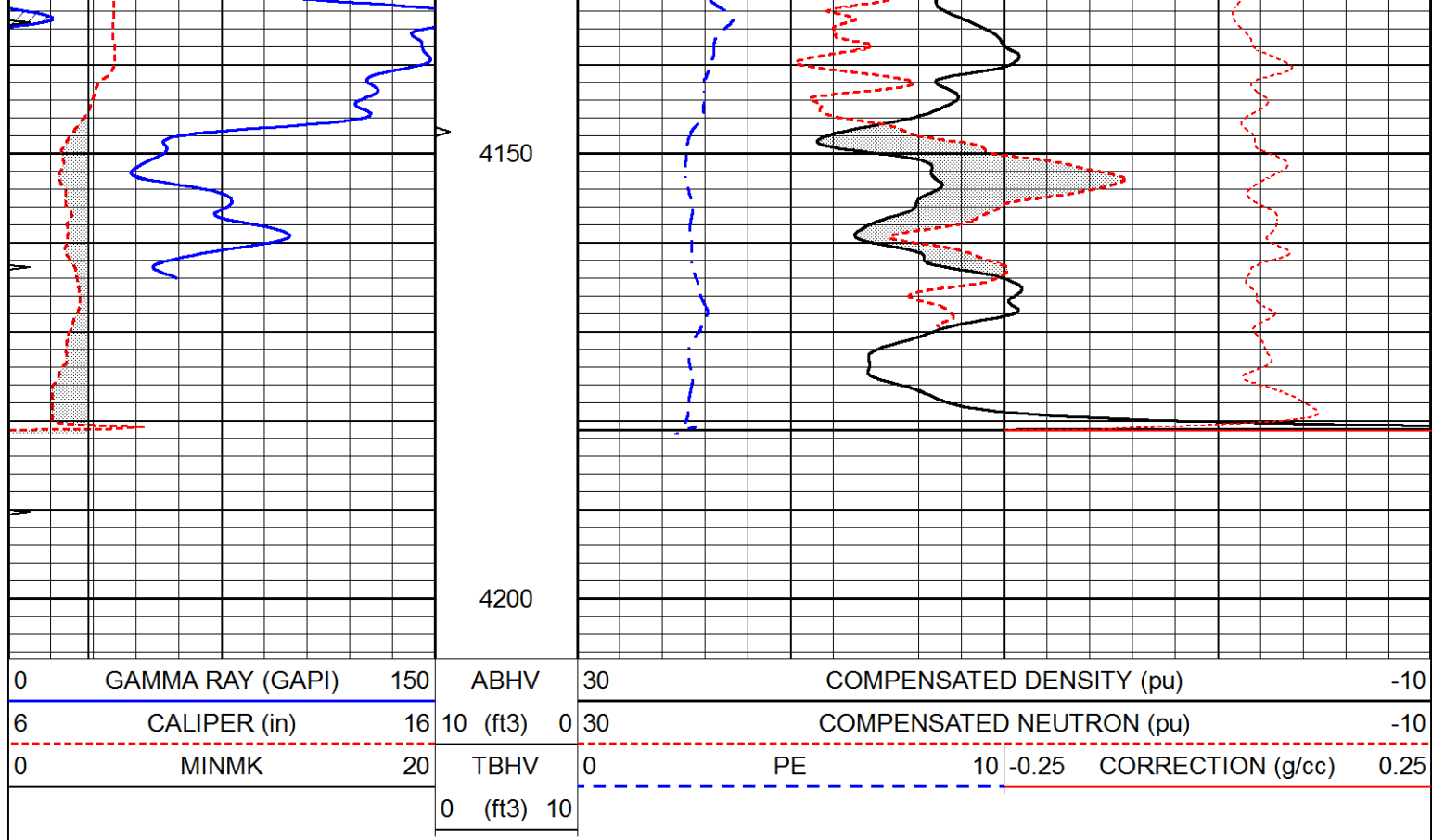
6574pe.db  
pass2.1R  
\_idt\_neu  
Tue Jun 28 14:40:17 2022  
Depth in Feet scaled 1:240

|   |                  |     |          |    |                          |                                 |
|---|------------------|-----|----------|----|--------------------------|---------------------------------|
| 0 | GAMMA RAY (GAPI) | 150 | ABHV     | 30 | COMPENSATED DENSITY (pu) | -10                             |
| 6 | CALIPER (in)     | 16  | 10 (ft3) | 0  | COMPENSATED NEUTRON (pu) | -10                             |
| 0 | MINMK            | 20  | TBHV     | 0  | PE                       | 10 -0.25 CORRECTION (g/cc) 0.25 |
|   |                  |     | 0 (ft3)  | 10 |                          |                                 |









### Calibration Report

Database File 6574pe.db  
 Dataset Pathname pass3.1M  
 Dataset Creation Tue Jun 28 15:43:43 2022

### Dual Induction Calibration Report

Serial-Model: PROBE8-DILG  
 Surface Cal Performed: Tue Jun 28 14:03:20 2022  
 Downhole Cal Performed: Mon Sep 10 14:28:38 2018  
 After Survey Verification Performed: Mon Sep 10 14:28:40 2018

#### Surface Calibration

| Loop:     | Readings |       |   | References |         |        | Results |         |
|-----------|----------|-------|---|------------|---------|--------|---------|---------|
|           | Air      | Loop  |   | Air        | Loop    |        | m       | b       |
| Deep      | 0.015    | 0.648 | V | 0.000      | 400.000 | mmho/m | 600.000 | 4.000   |
| Medium    | 0.029    | 0.796 | V | 0.000      | 464.000 | mmho/m | 600.000 | -12.000 |
| 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 |
| 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: 002N      Model: PRB |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------|--|--|--|--|--|--|--|--|

|                    |            |  |                                    |         |                     |  |             |      |
|--------------------|------------|--|------------------------------------|---------|---------------------|--|-------------|------|
| Master Calibration |            |  | Performed Tue Mar 10 15:08:00 2020 |         |                     |  |             |      |
|                    | Background |  | Magnesium                          |         | Aluminum            |  | Aluminum+Fe |      |
| Window 1           | 780.1      |  | 6981.9                             |         | 2088.6              |  | 1871.2      | cps  |
| Window 2           | 718.6      |  | 5898.2                             |         | 1813.8              |  | 1664.1      | cps  |
| Window 3           | 580.0      |  | 2989.5                             |         | 1088.0              |  | 1039.1      | cps  |
| Window 4           | 172.8      |  | 175.7                              |         | 175.3               |  | 173.5       | cps  |
| Long Space         | 0.0        |  | 5179.6                             |         | 1095.2              |  | 945.5       | cps  |
| Short Space        | 1.1        |  | 1228.6                             |         | 821.2               |  | 690.4       | cps  |
| Rho                |            |  | 1.7100                             |         | 2.5900              |  | 0.0000      | g/cc |
| Pe                 |            |  | 2.0000                             |         | 2.7500              |  | 5.7900      |      |
| Rib Angle          | : 45.5     |  | Rib Slope                          | : 1.016 | Density/Spine Ratio |  | : 0.548     |      |
| Spine Angle        | : 75.5     |  | Spine Slope                        | : 3.857 | Spine Intercept     |  | : -18.9     |      |

|                            |     |  |                                    |  |        |  |        |      |
|----------------------------|-----|--|------------------------------------|--|--------|--|--------|------|
| 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:                         |  |  |  | 6I |  |  |  |  |
| Tool Model:                            |  |  |  | G  |  |  |  |  |

|             |          |  |        |  |               |  |  |  |
|-------------|----------|--|--------|--|---------------|--|--|--|
| CALIBRATION |          |  |        |  |               |  |  |  |
| Detector    | Readings |  | Target |  | Normalization |  |  |  |

|                              |             |                          |     |          |     |               |    |
|------------------------------|-------------|--------------------------|-----|----------|-----|---------------|----|
| Detector                     |             | Readings                 |     | Target   |     | Normalization |    |
| Short Space                  |             | 1.00                     | cps | 1.00     | cps | 1.0000        |    |
| Long Space                   |             | 1.00                     | cps | 1.00     | cps | 1.0000        |    |
| PRE-SURVEY VERIFICATION      |             |                          |     |          |     |               |    |
| Detector                     |             | Readings                 |     | Measured |     | Target        |    |
| 1)                           | Short Space |                          | cps |          |     |               |    |
|                              | Long Space  |                          | cps |          | pu  |               | pu |
| 2)                           | Short Space |                          | cps |          |     |               |    |
|                              | Long Space  |                          | cps |          | pu  |               |    |
| 3)                           | Short Space |                          | cps |          |     |               |    |
|                              | Long Space  |                          | cps |          | pu  |               |    |
| POST-SURVEY VERIFICATION     |             |                          |     |          |     |               |    |
| Detector                     |             | Readings                 |     | Measured |     | Target        |    |
| 1)                           | Short Space |                          | cps |          |     |               |    |
|                              | Long Space  |                          | cps |          | pu  |               | pu |
| 2)                           | Short Space |                          | cps |          |     |               |    |
|                              | Long Space  |                          | cps |          | pu  |               | pu |
| 3)                           | Short Space |                          | cps |          |     |               |    |
|                              | Long Space  |                          | cps |          | pu  |               | pu |
| Gamma Ray Calibration Report |             |                          |     |          |     |               |    |
| Serial Number:               |             | GR6                      |     |          |     |               |    |
| Tool Model:                  |             | OPEN                     |     |          |     |               |    |
| Performed:                   |             | Mon Jun 20 01:31:16 2022 |     |          |     |               |    |
| Calibrator Value:            |             | 150.0                    |     | GAPI     |     |               |    |
| Background Reading:          |             | 0.0                      |     | cps      |     |               |    |
| Calibrator Reading:          |             | 276.0                    |     | cps      |     |               |    |
| Sensitivity:                 |             | 0.8500                   |     | GAPI/cps |     |               |    |