



COMPENSATED  
DENSITY/NEUTRON  
PE LOG

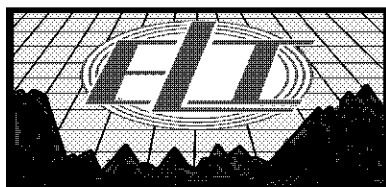
|                                                             |                                                  |
|-------------------------------------------------------------|--------------------------------------------------|
| Company VINCENT OIL CORPORATION                             |                                                  |
| Well                                                        | KEOUGH #11-34                                    |
| Field                                                       | MULBERRY CREEK                                   |
| County                                                      | FORD                                             |
| State                                                       | KANSAS                                           |
| Location: API #: 15-057-21002-0000<br>2314' FNL & 1956' FEL |                                                  |
| Permanent Datum                                             | GROUND LEVEL Elevation 2527                      |
| Log Measured From                                           | KELLY BUSHING 12' A.G.L.                         |
| Drilling Measured From                                      | KELLY BUSHING                                    |
| Other Services<br>DIL/MEL<br>SONIC                          | Elevation<br>K.B. 2539<br>D.F. 2537<br>G.L. 2527 |
| Date                                                        | 10/13/18                                         |
| Run Number                                                  | ONE                                              |
| Depth Driller                                               | 5375                                             |
| Depth Logger                                                | 5380                                             |
| Bottom Logged Interval                                      | 5356                                             |
| Top Log Interval                                            | 4250                                             |
| Casing Driller                                              | 8 5/8" @ 646'                                    |
| Casing Logger                                               | 644                                              |
| Bit Size                                                    | 7 7/8                                            |
| Type Fluid in Hole                                          | CHEMICAL MUD                                     |
| Density / Viscosity                                         | 9.2/59                                           |
| PH / Fluid Loss                                             | 9.5/11.2                                         |
| Source of Sample                                            | FLOWLINE                                         |
| Rm @ Meas. Temp                                             | .45 @ 75F                                        |
| Rmf @ Meas. Temp                                            | .33 @ 75F                                        |
| Rmc @ Meas. Temp                                            | .54 @ 75F                                        |
| Source of Rmf / Rmc                                         | MEASUREMENT                                      |
| Rm @ BHT                                                    | .26 @ 128F                                       |
| Time Circulation Stopped                                    | 2 HOURS                                          |
| Time Logger on Bottom                                       | ////                                             |
| Maximum Recorded Temperature                                | 128F                                             |
| Equipment Number                                            | 3802                                             |
| Location                                                    | HAYS, KANSAS                                     |
| Recorded By                                                 | JASON CAPPELLUCCI                                |
| Witnessed By                                                | TOM DUDGEON                                      |

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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

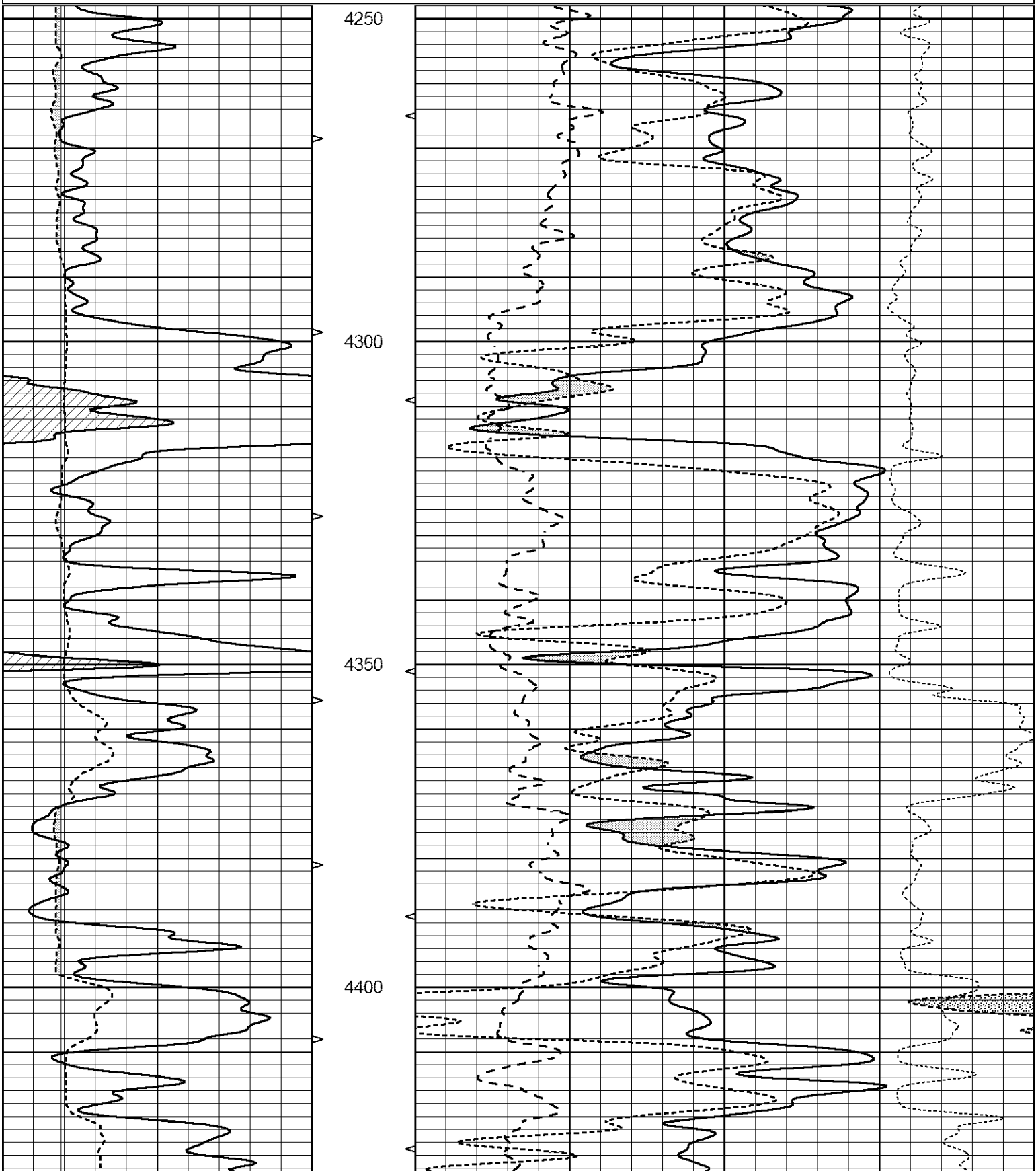
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. ( 785 ) 628-6395  
DIRECTIONS  
KINGSDOWN, KS, - NORTH TO WILBURN RD. - 3 1/2 WEST TO HOUSE ON THE SOUTH SIDE  
NORTH INTO

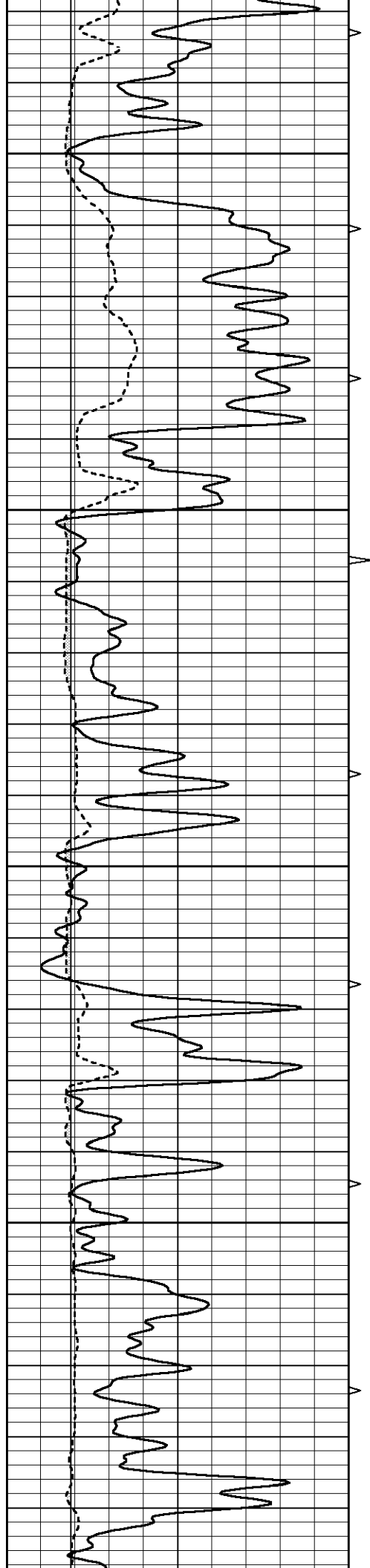


MAIN SECTION

|                     |                            |
|---------------------|----------------------------|
| Database File       | 3009pe8.db                 |
| Dataset Pathname    | pass3.1                    |
| Presentation Format | _ldt_neu                   |
| Dataset Creation    | Sat Oct 13 02:47:50 2018   |
| 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      |
|   |                  |     | TBHV     | 0  | PE                       | 10 -0.25 |
|   |                  |     | 0 (ft3)  | 10 | CORRECTION (g/cc)        | 0.25     |



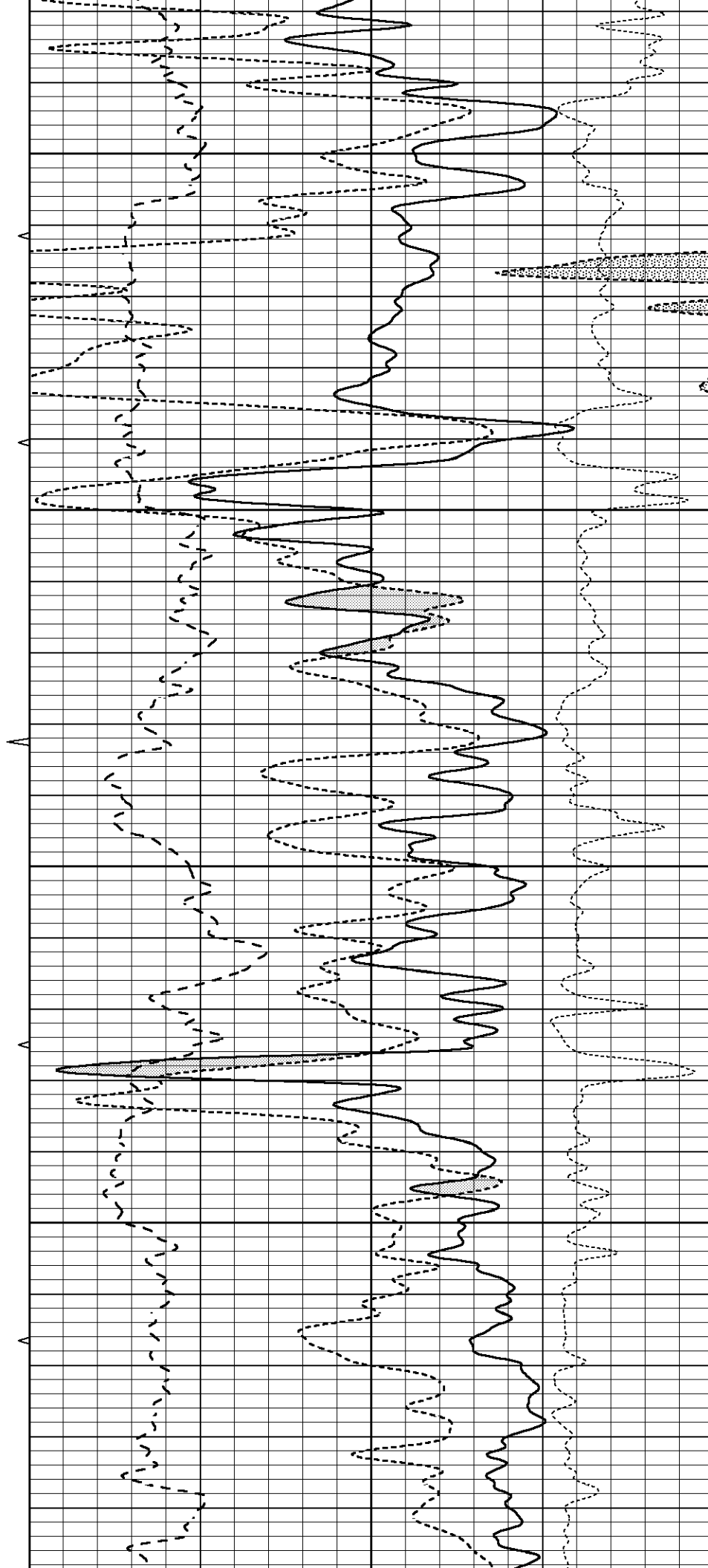


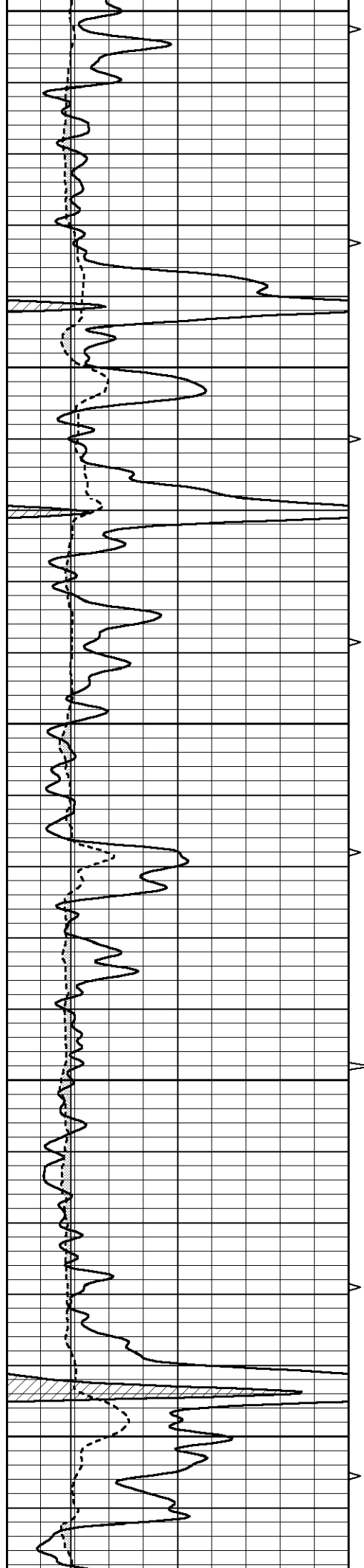
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4500

4550

4600





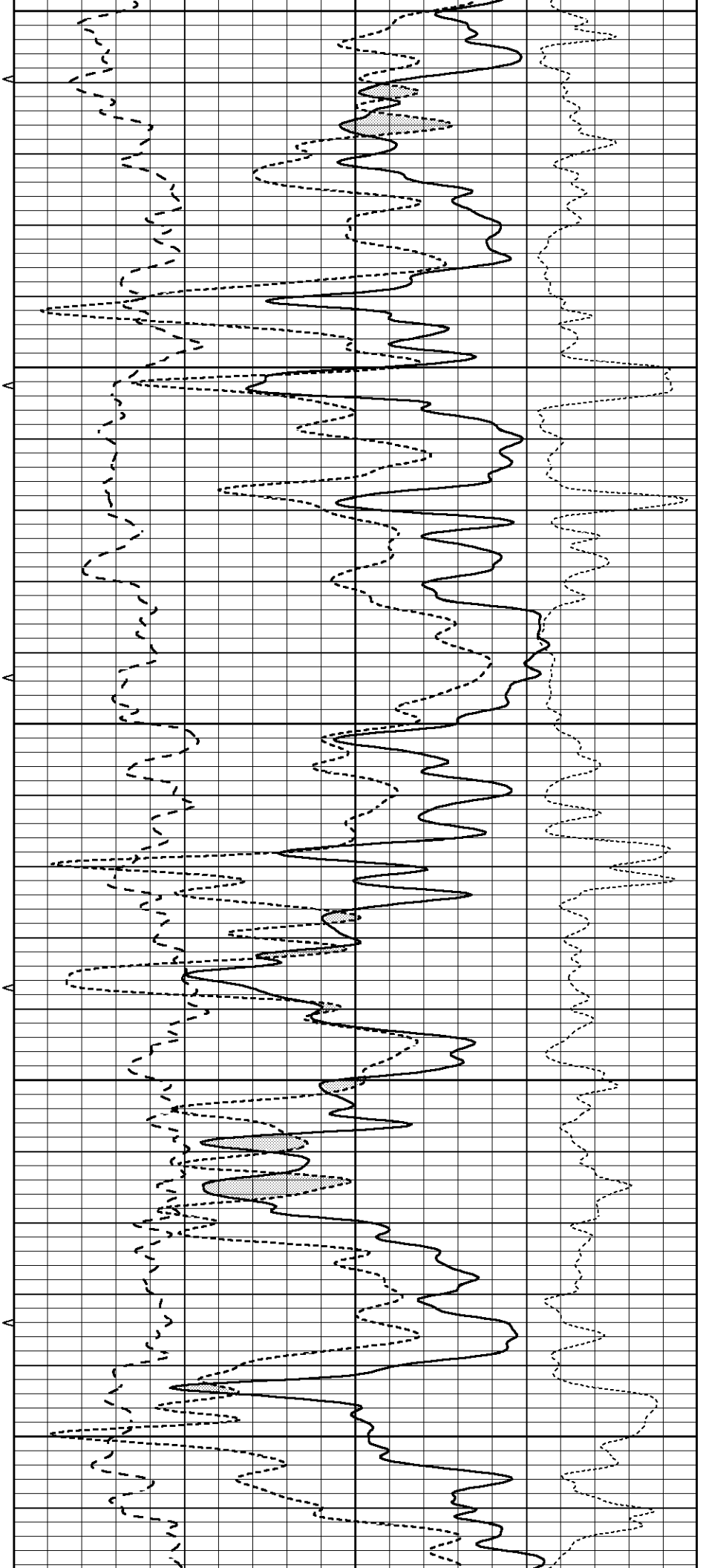
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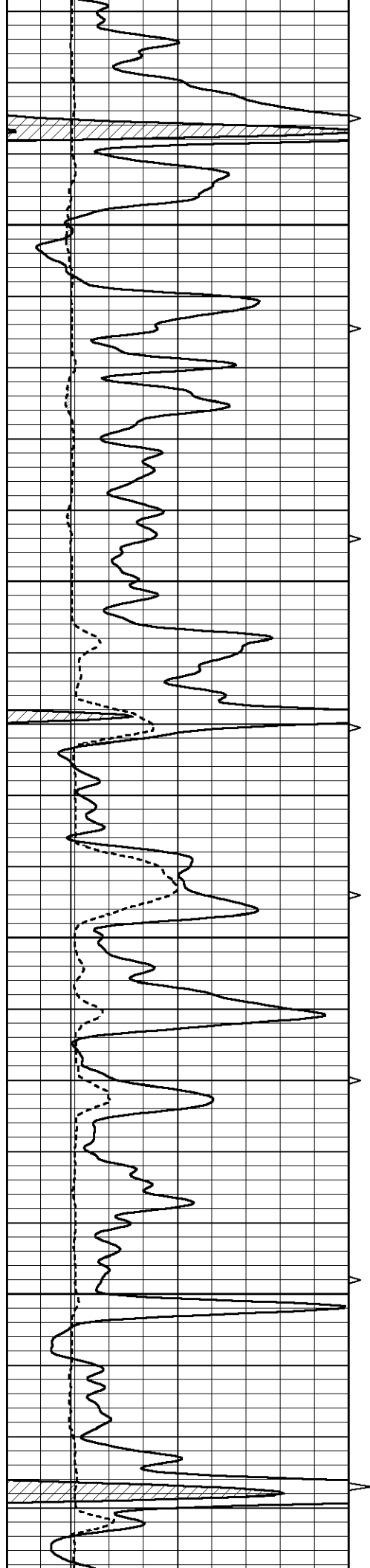
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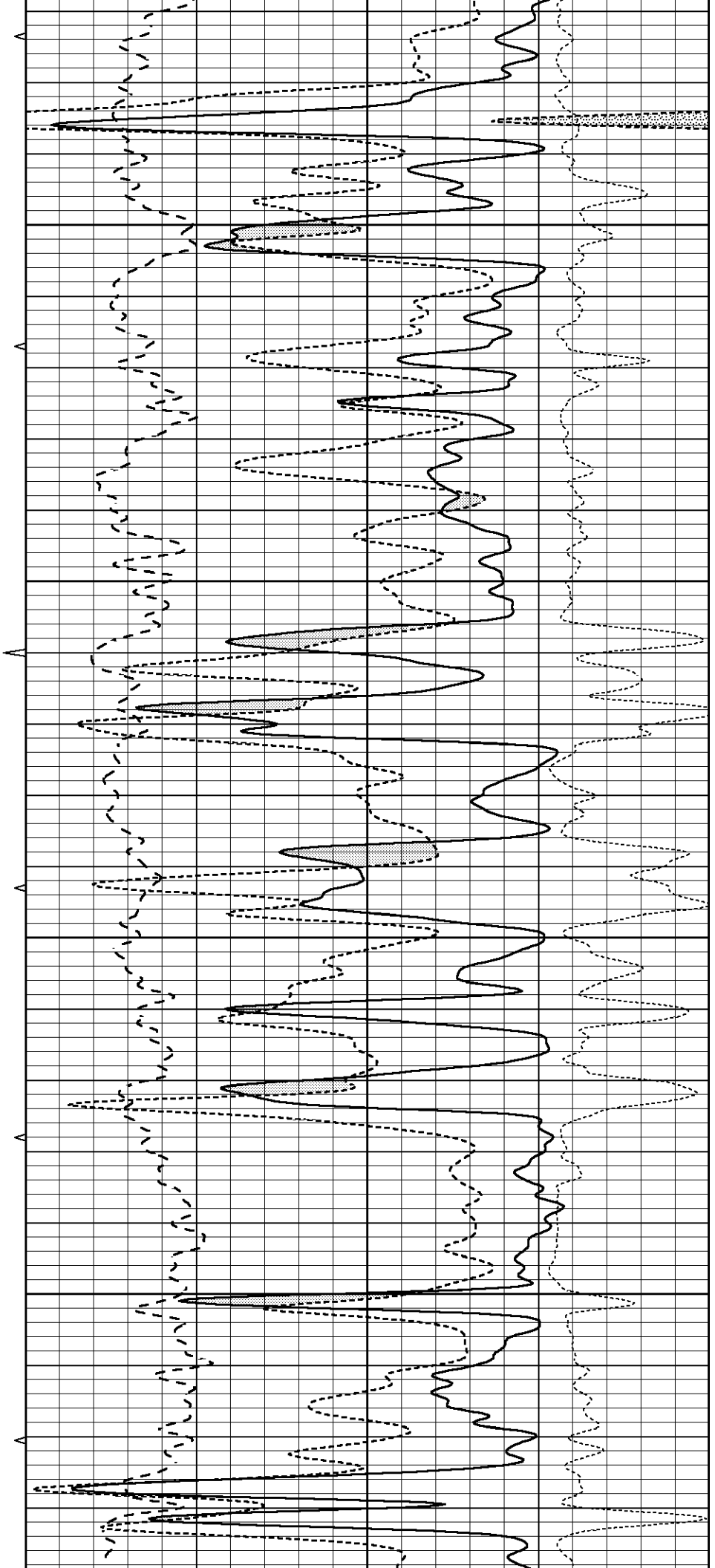


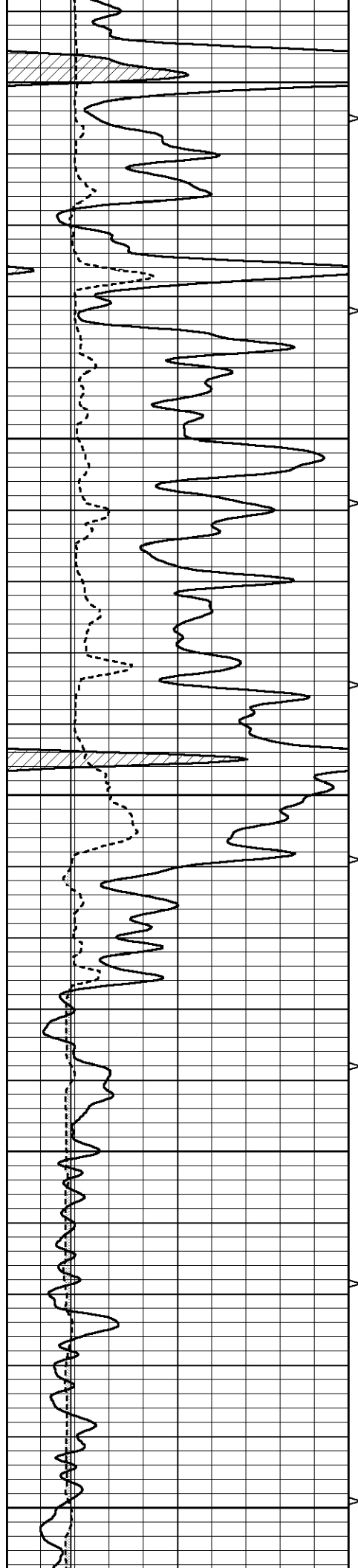
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4950

5000

5050





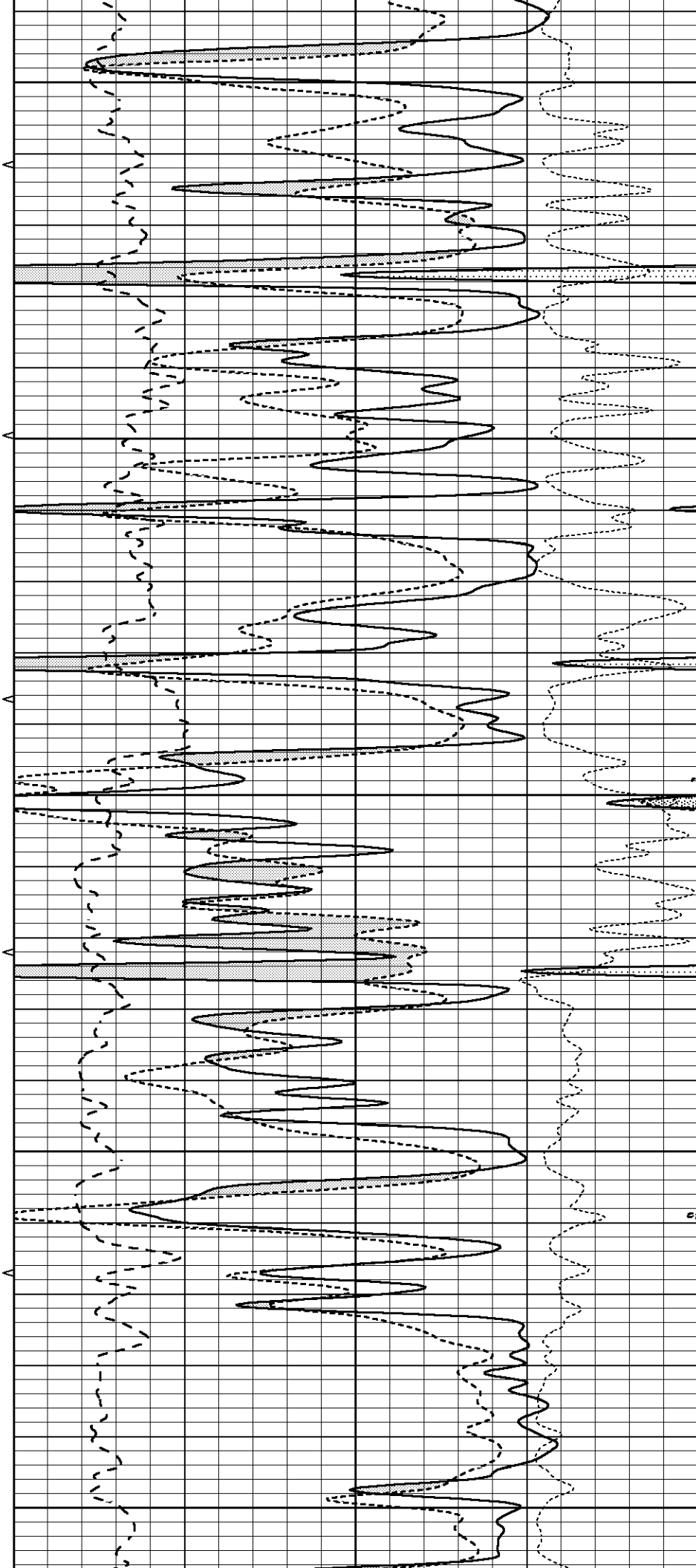
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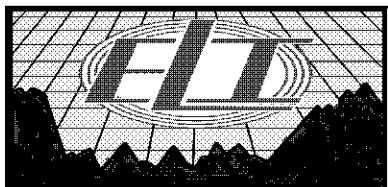
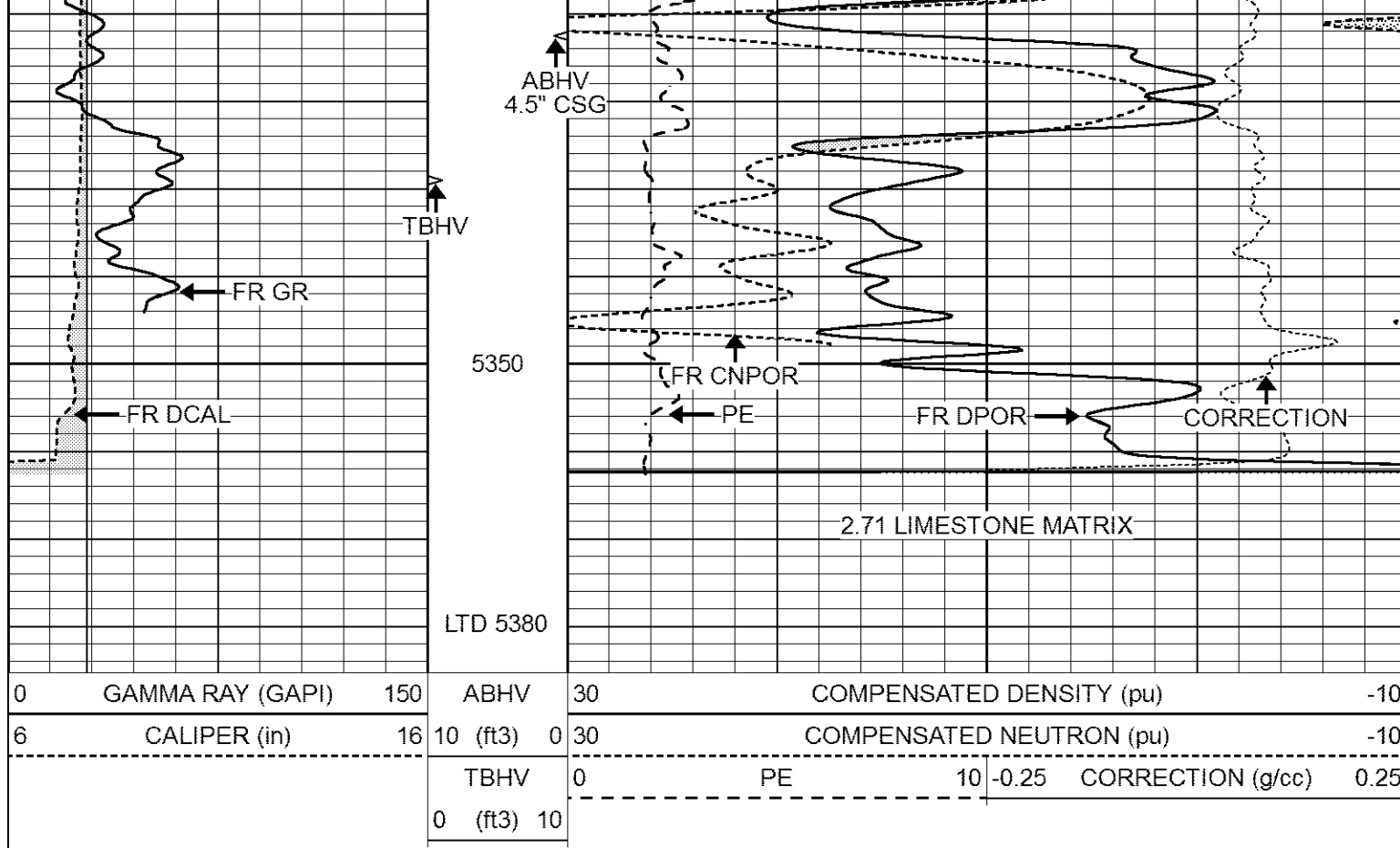
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5200

5250

5300

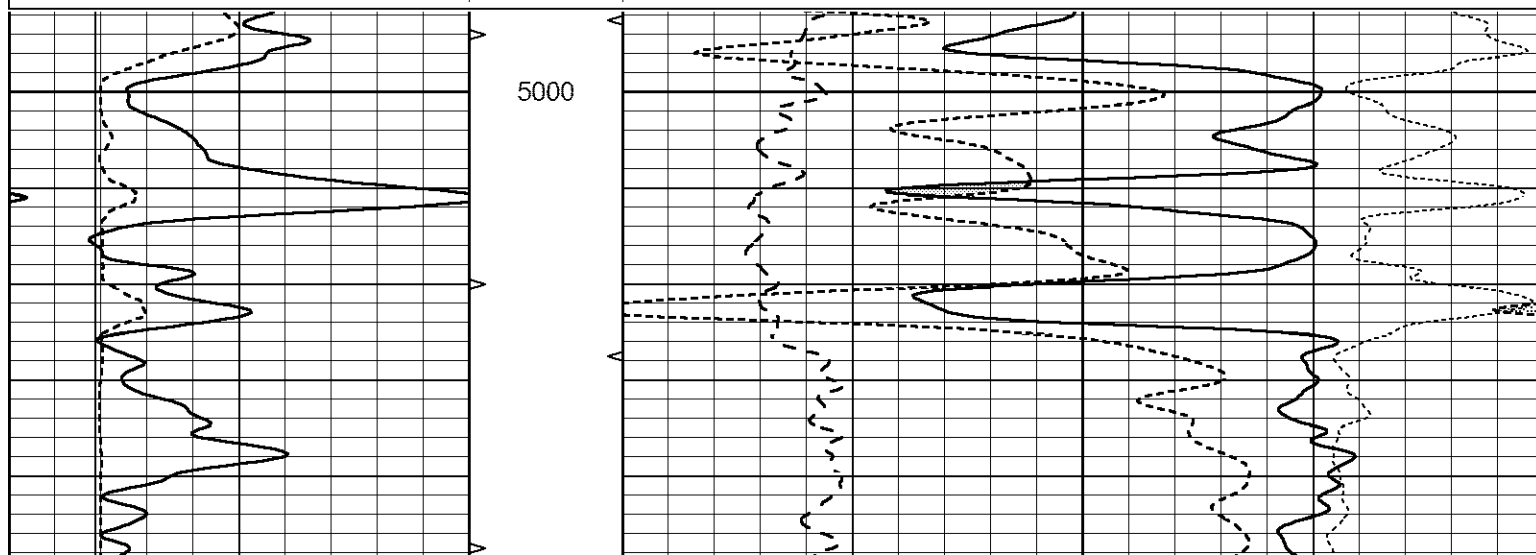


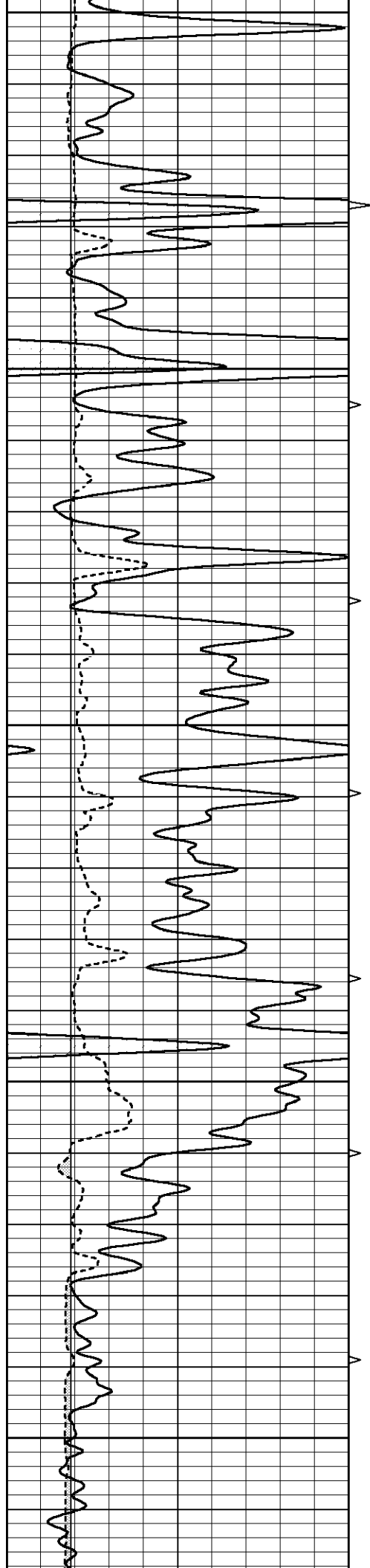


# REPEAT SECTION

Database File 3009pe8.db  
 Dataset Pathname pass2.1  
 Presentation Format \_ldt\_neu  
 Dataset Creation Sat Oct 13 02:35:22 2018  
 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 | 30 | COMPENSATED NEUTRON (pu) | -10                             |
|   |                  |     | TBHV       | 0  | PE                       | 10 -0.25 CORRECTION (g/cc) 0.25 |
|   |                  |     | 0 (ft3) 10 |    |                          |                                 |





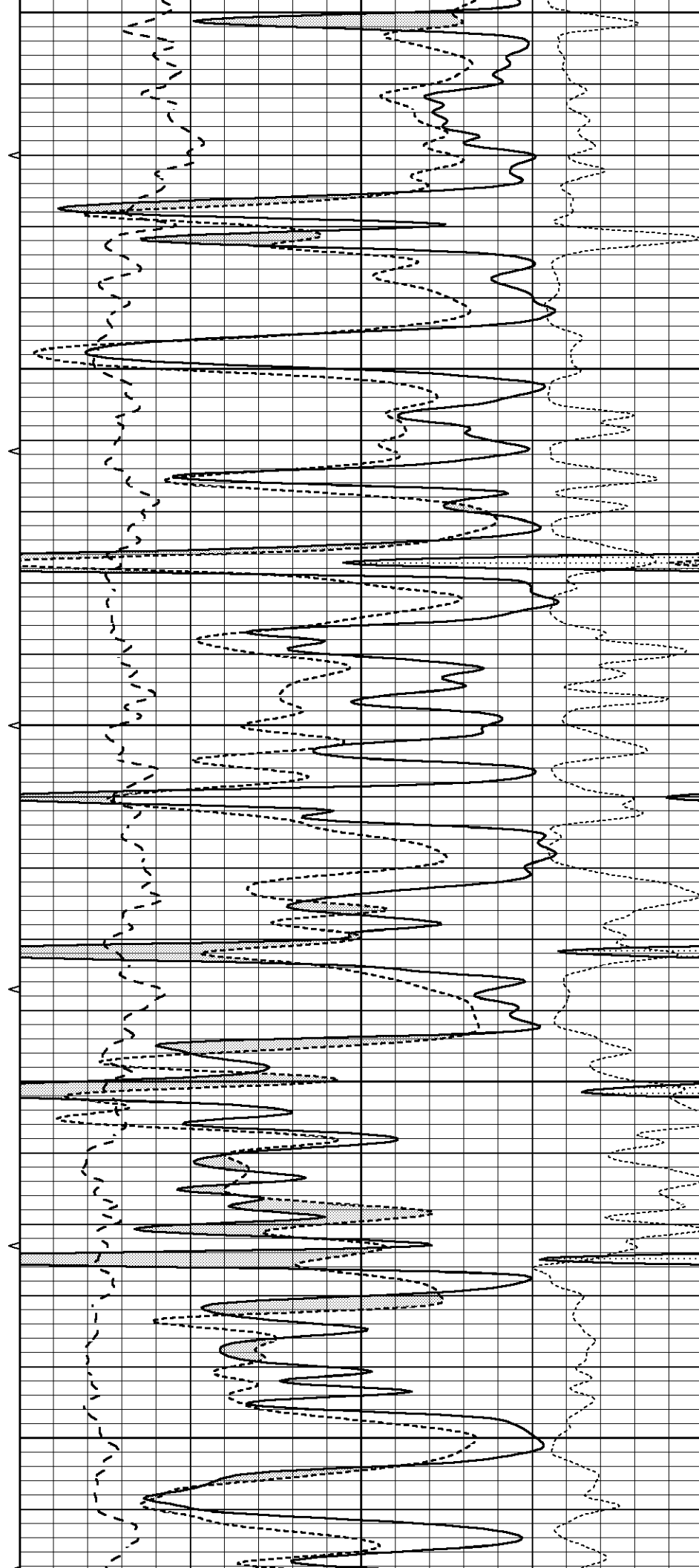
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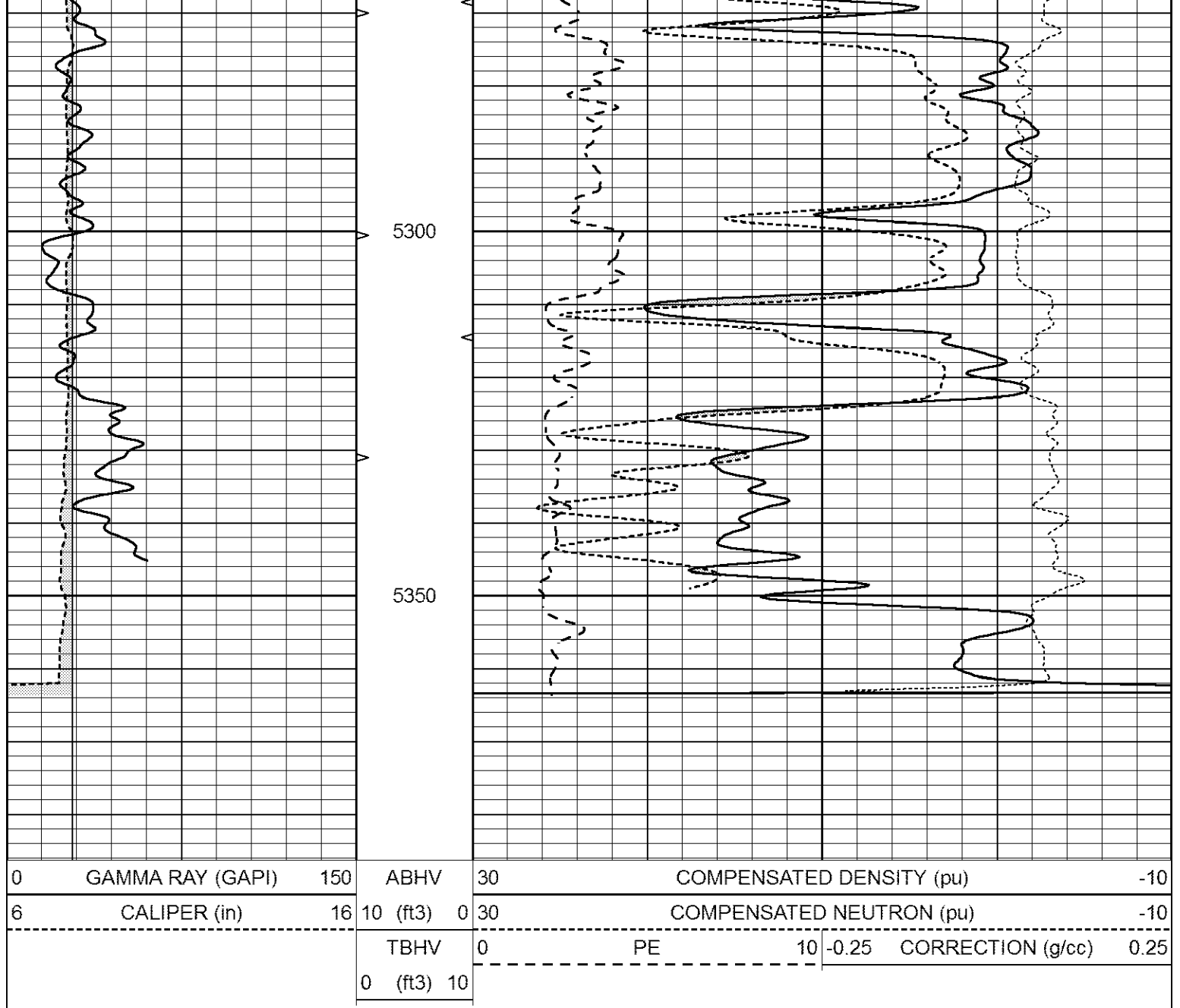
5100

5150

5200

5250





### Calibration Report

Database File 3009pe8.db  
Dataset Pathname pass2.1  
Dataset Creation Sat Oct 13 02:35:22 2018

### Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe  
Surface Cal Performed: Mon May 22 14:23:32 2017  
Downhole Cal Performed: Thu Mar 12 09:29:20 2015  
After Survey Verification Performed: Thu Mar 12 09:29:20 2015

#### Surface Calibration

| Readings  |        |       |   | References |         |        | Results |        |
|-----------|--------|-------|---|------------|---------|--------|---------|--------|
| Loop:     | Air    | Loop  |   | Air        | Loop    |        | m       | b      |
| Deep      | 0.011  | 0.656 | V | 1.000      | 400.000 | mmho/m | 618.595 | -5.524 |
| Medium    | -0.000 | 0.731 | V | 1.000      | 464.000 | mmho/m | 632.856 | 1.197  |
| Internal: | Zero   | Cal   |   | Zero       | Cal     |        | m       | b      |
| Deep      | 0.007  | 0.649 | V | 0.000      | 400.000 | mmho/m | 623.784 | -4.595 |

|                                        |        |         |                          |           |            |        |         |        |
|----------------------------------------|--------|---------|--------------------------|-----------|------------|--------|---------|--------|
| Medium                                 | 0.004  | 0.743   | V                        | 0.000     | 464.000    | mmho/m | 627.284 | -2.251 |
| Downhole Calibration                   |        |         |                          |           |            |        |         |        |
|                                        |        |         | Readings                 |           | References |        | Results |        |
|                                        |        |         |                          |           |            |        | m'      | b'     |
|                                        |        |         | Zero                     | Cal       | Zero       | Cal    |         |        |
| Deep                                   | -0.824 | 395.917 | mmho/m                   | -0.976    | 397.550    | mmho/m | 1.004   | -0.149 |
| Medium                                 | 3.565  | 471.327 | mmho/m                   | 3.468     | 471.590    | mmho/m | 1.001   | -0.099 |
| LL3                                    |        | 7.503   | V                        |           | 1500.000   | Ohm-m  |         |        |
|                                        |        | 0.001   | V                        |           | 20.000     | Ohm-m  |         |        |
|                                        |        | -7.481  | V                        |           | 3745.000   | mmho-m |         |        |
| After Survey Verification              |        |         |                          |           |            |        |         |        |
|                                        |        |         | Readings                 |           | Targets    |        | Results |        |
|                                        |        |         |                          |           |            |        | m'      | b'     |
|                                        |        |         | Zero                     | Cal       | Zero       | Cal    |         |        |
| Deep                                   | 0.000  | 0.000   | mmho/m                   | -0.824    | 395.917    | mmho/m | 1.000   | 0.000  |
| Medium                                 | 0.000  | 0.000   | mmho/m                   | 3.565     | 471.327    | mmho/m | 1.000   | 0.000  |
| LL3                                    |        | 0.000   | Ohm-m                    |           | 1500.000   | Ohm-m  |         |        |
|                                        |        | 0.000   | Ohm-m                    |           | 20.000     | Ohm-m  |         |        |
|                                        |        | 0.000   | mmho-m                   |           | 3745.000   | mmho-m |         |        |
|                                        |        |         |                          |           |            |        |         |        |
|                                        |        |         |                          |           |            |        |         |        |
| Compensated Neutron Calibration Report |        |         |                          |           |            |        |         |        |
| Serial Number:                         |        |         |                          | 080621PMC |            |        |         |        |
| 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:                         |        |         | 7                        |           |            |        |         |        |
| Tool Model:                            |        |         | Probe1                   |           |            |        |         |        |
| Performed:                             |        |         | Wed Jun 29 11:10:58 2016 |           |            |        |         |        |
| Calibrator Value:                      |        |         | 1.0                      | GAPI      |            |        |         |        |
| Background Reading:                    |        |         | 0.0                      | cps       |            |        |         |        |
| Calibrator Reading:                    |        |         | 1.0                      | cps       |            |        |         |        |
| Sensitivity:                           |        |         | 0.4300                   | GAPI/cps  |            |        |         |        |