



SUPERIOR  
Hays,  
Kansas

# COMPENSATED DENSITY / NEUTRON LOG

|                              |                            |                  |                                |
|------------------------------|----------------------------|------------------|--------------------------------|
| Company                      | ETERNITY EXPLORATION, LLC. |                  |                                |
| Well                         | KD GEORGE #1-25            |                  |                                |
| Field                        |                            |                  |                                |
| County                       | THOMAS                     | State            | KANSAS                         |
| Location:                    | API # : 15-193-20851       |                  | Other Services<br>DIL<br>MICRO |
| SEC 25 TWP 10S RGE 32W       |                            | Elevation        |                                |
| Permanent Datum              | GROUND LEVEL               | Elevation        | 3021                           |
| Log Measured From            | KELLY BUSHING 5' A.G.L.    | K.B. 3026        |                                |
| Drilling Measured From       | KELLY BUSHING              | D.F.             |                                |
|                              |                            | G.L. 3021        |                                |
| Date                         | 5-30-12                    |                  |                                |
| Run Number                   | ONE                        |                  |                                |
| Depth Driller                | 4690                       |                  |                                |
| Depth Logger                 | 4690                       |                  |                                |
| Bottom Logged Interval       | 4666                       |                  |                                |
| Top Log Interval             | 3500                       |                  |                                |
| Casing Driller               | 244                        |                  |                                |
| Casing Logger                | 244                        |                  |                                |
| Bit Size                     | 7.875                      |                  |                                |
| Type Fluid in Hole           | CHEMICAL MUD               |                  |                                |
| Density / Viscosity          | 9.3 / 57                   |                  |                                |
| pH / Fluid Loss              | 11.0 / 7.6                 |                  |                                |
| Source of Sample             | FLOWLINE                   |                  |                                |
| Rim @ Meas. Temp             | 0.95 @ 88F                 |                  |                                |
| Rmf @ Meas. Temp             | 0.71 @ 88F                 |                  |                                |
| Rmc @ Meas. Temp             | 1.14 @ 88F                 |                  |                                |
| Source of Rmf / Rmc          | MEASURED                   |                  |                                |
| Rim @ BHT                    | .690 @ 122F                |                  |                                |
| Time Circulation Stopped     | 3 HOURS                    |                  |                                |
| Time Logger on Bottom        | 10:30 P.M.                 |                  |                                |
| Maximum Recorded Temperature | 122F                       |                  |                                |
| Equipment Number             | 860                        |                  |                                |
| Location                     | HAYS, KS.                  |                  |                                |
| Recorded By                  | RUPP                       |                  |                                |
| Witnessed By                 | BRUCE ARD                  | CARLO A. UGOLINI |                                |

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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

SUPERIOR WELL SERVICES  
785-628-6395  
THANK YOU FOR YOUR BUSINESS  
DIRECTIONS: OAKLEY & MAIN ST., N TO "T", 1 BLOCK EAST TO RD #30, 1 1/2N, E INTO.

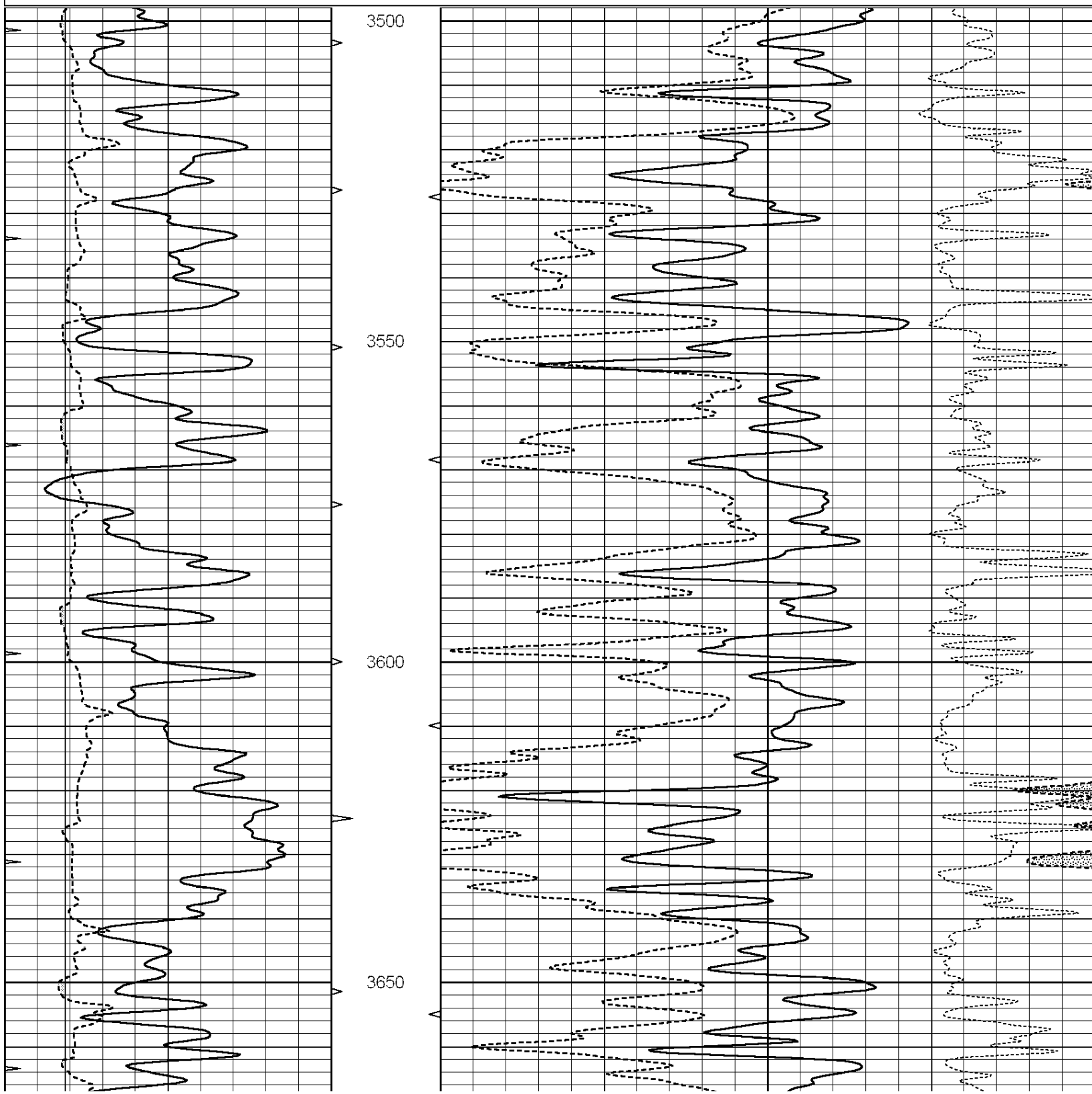


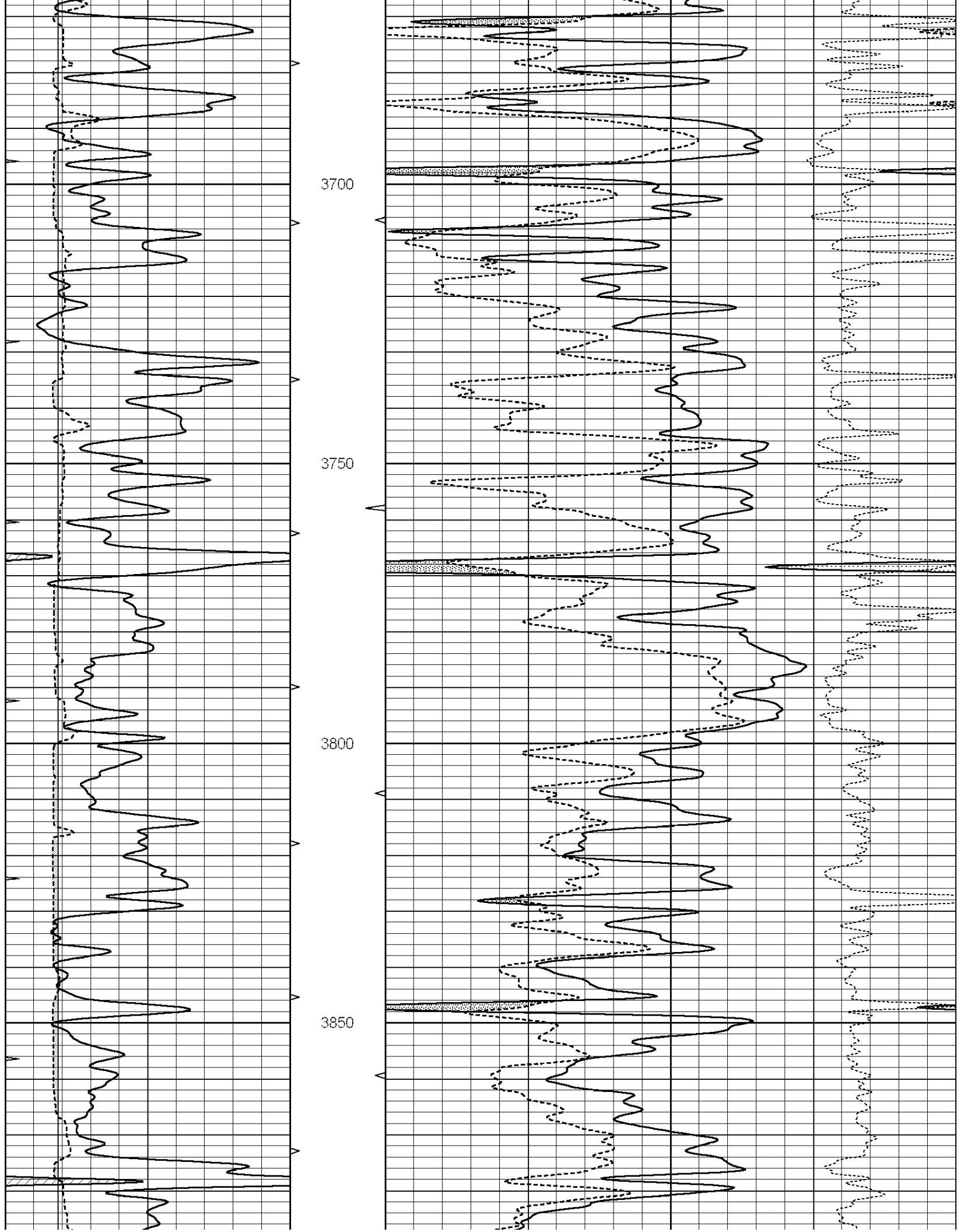
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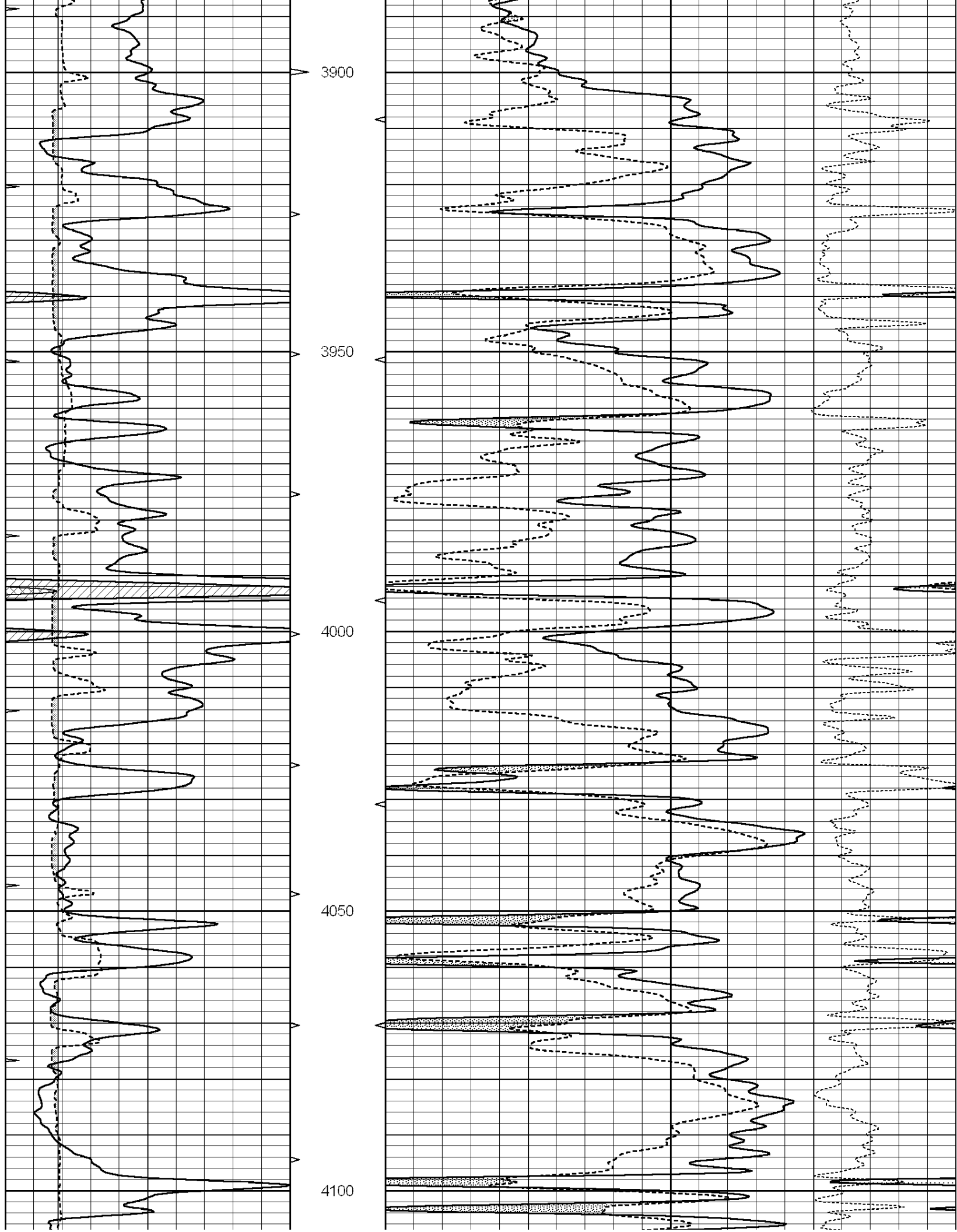
# MAIN SECTION

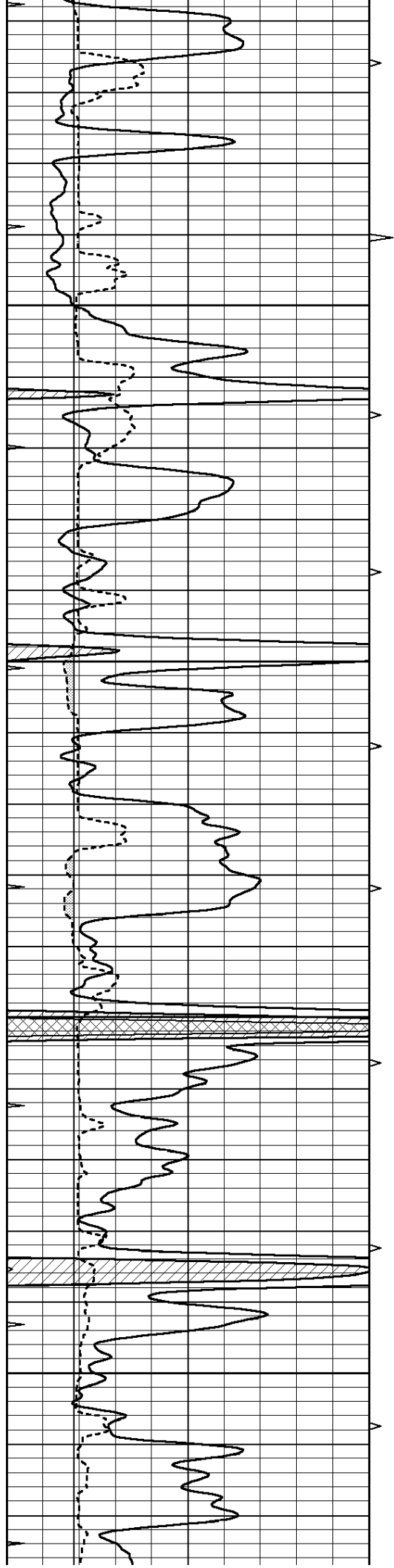
Database File: 008779ddn.db  
Dataset Pathname: pass4A  
Presentation Format: den\_neu  
Dataset Creation: Thu May 31 04:25:33 2012  
Charted by: Depth in Feet scaled 1:240

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







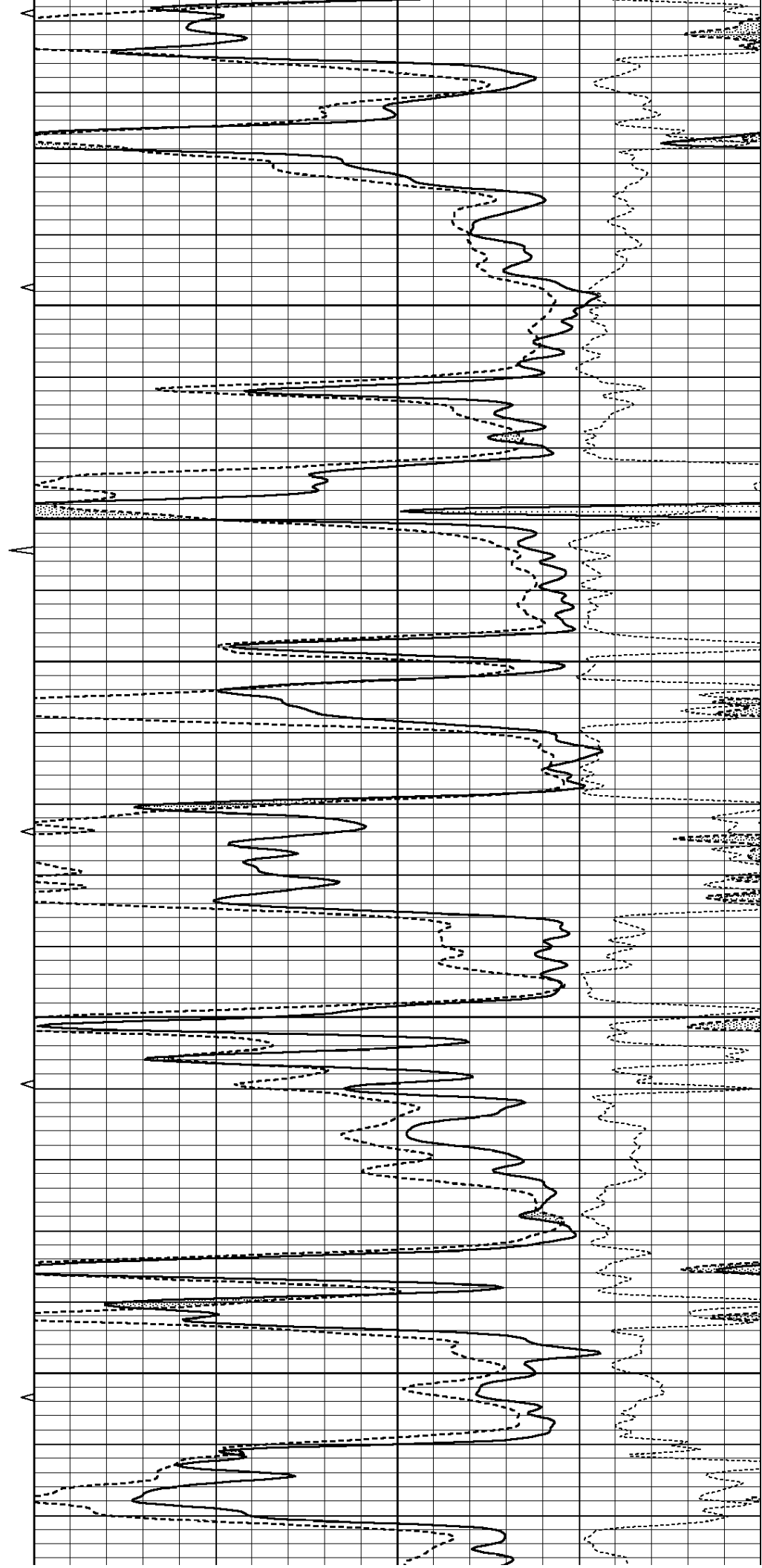


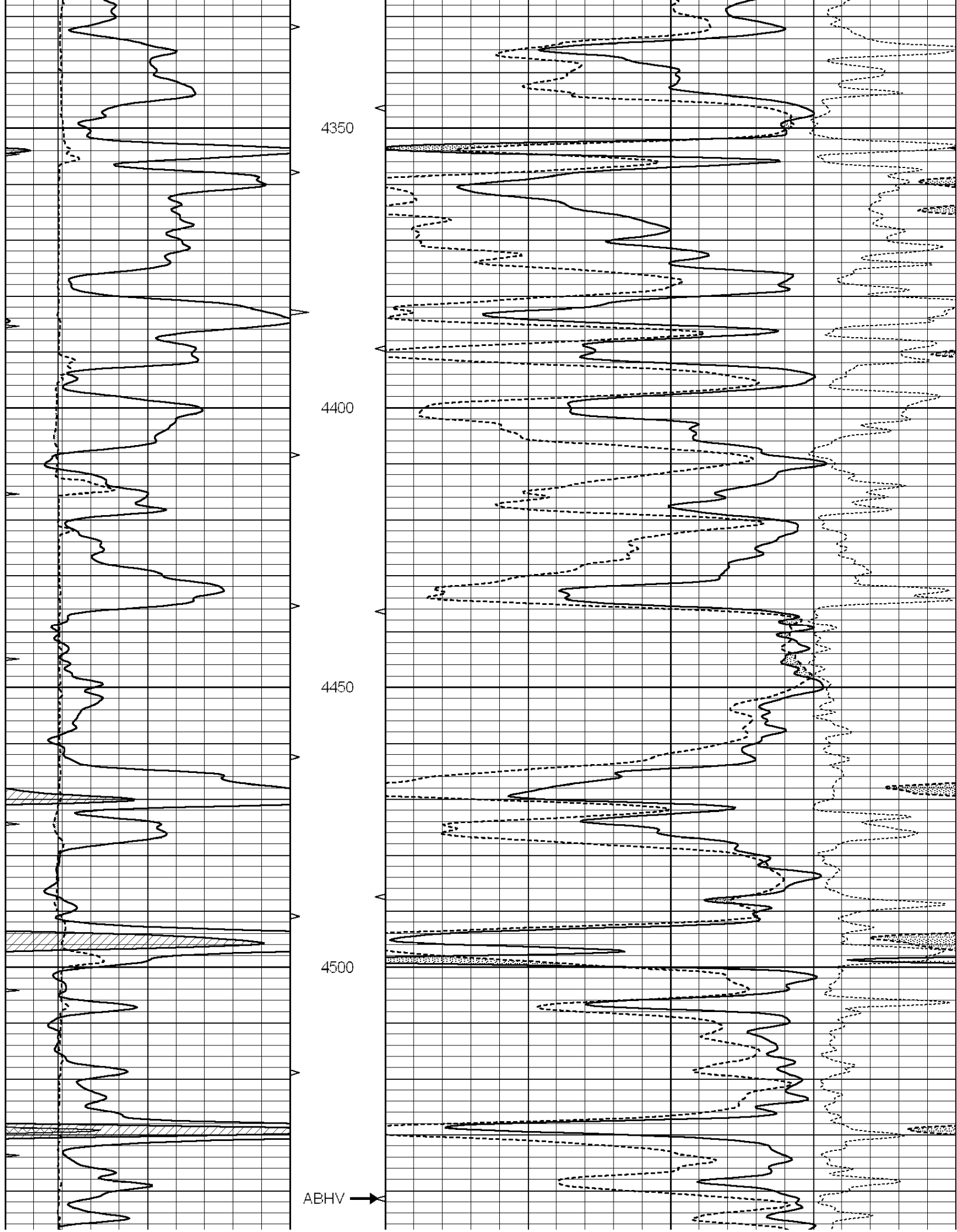
4150

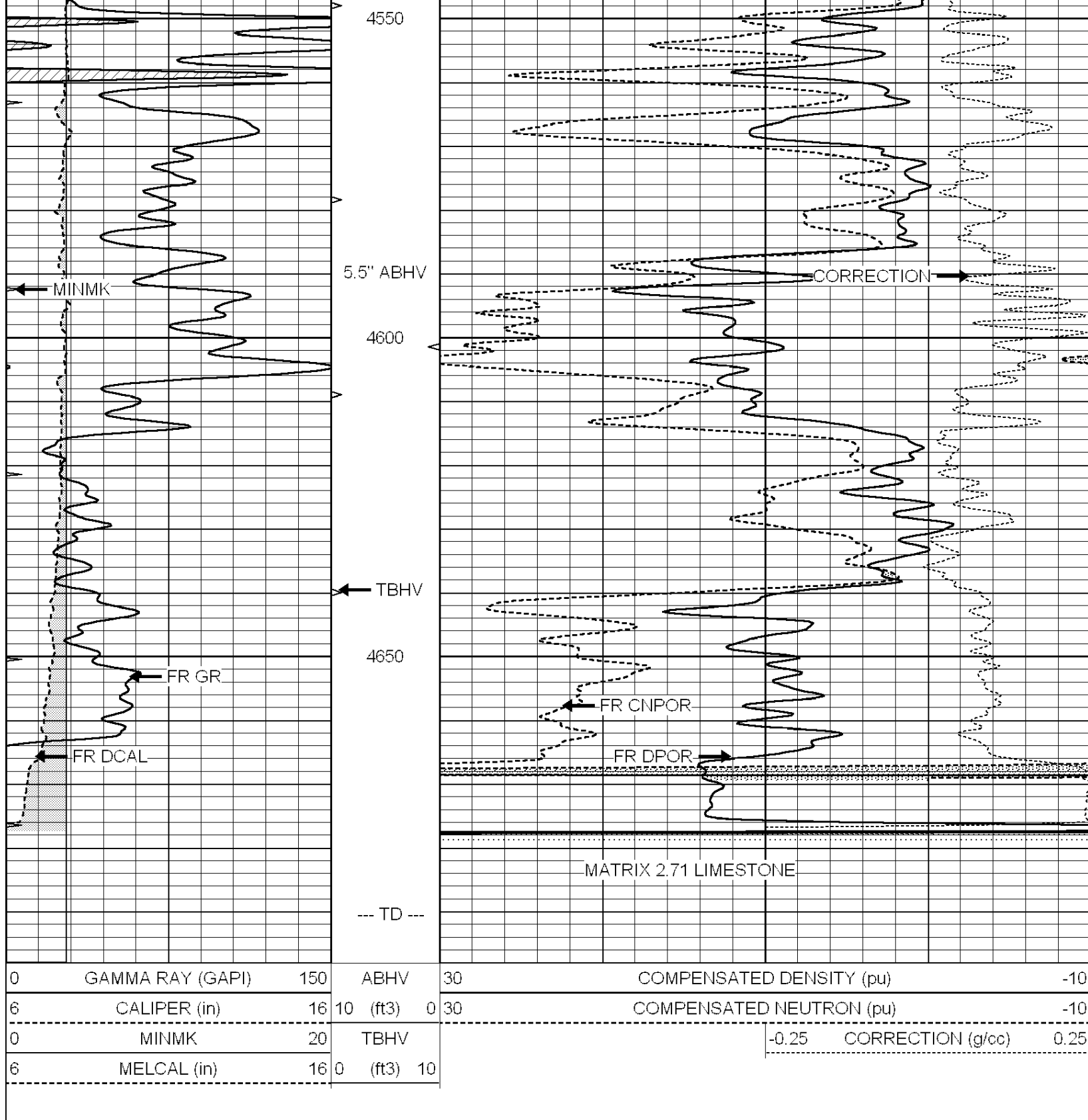
4200

4250

4300





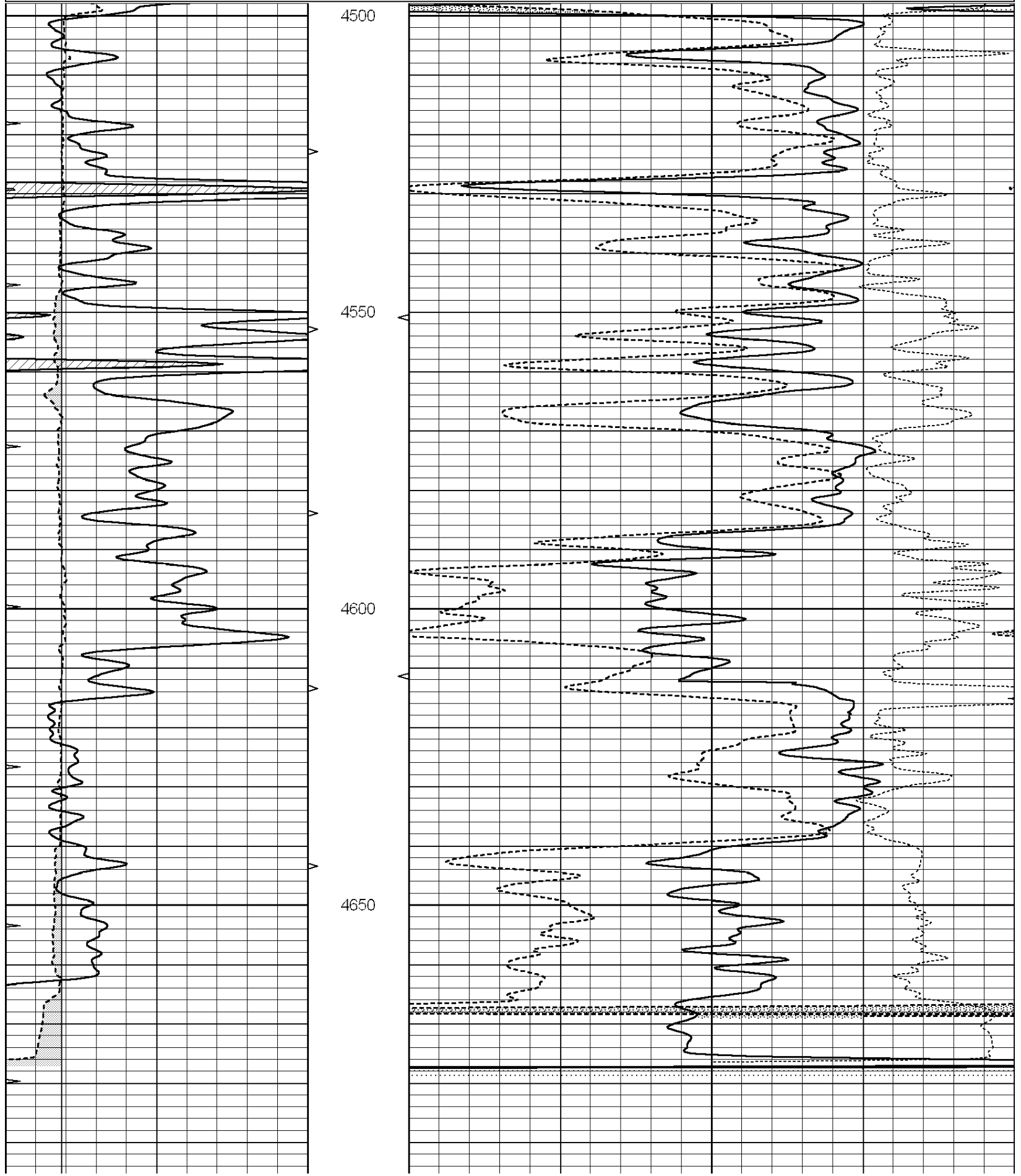


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# REPEAT SECTION

Database File: 008779ddn.db  
 Dataset Pathname: pass3.1A  
 Presentation Format: den\_neu  
 Dataset Creation: Thu May 31 02:29:56 2012  
 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  |
| 0 | MINMK            | 20  | TBHV       |    | -0.25 CORRECTION (g/cc)  | 0.25 |
|   |                  |     | 0 (ft3) 10 |    |                          |      |



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

|                    |                          |  |  |  |  |  |
|--------------------|--------------------------|--|--|--|--|--|
| Calibration Report |                          |  |  |  |  |  |
| Database File:     | 008779ddn.db             |  |  |  |  |  |
| Dataset Pathname:  | pass4A                   |  |  |  |  |  |
| Dataset Creation:  | Thu May 31 04:25:33 2012 |  |  |  |  |  |

|                                   |  |  |  |  |  |  |
|-----------------------------------|--|--|--|--|--|--|
| Dual Induction Calibration Report |  |  |  |  |  |  |
|-----------------------------------|--|--|--|--|--|--|

|                                      |                          |
|--------------------------------------|--------------------------|
| Serial-Model:                        | PROBE9-DILG              |
| Surface Cal Performed:               | Thu May 31 00:56:35 2012 |
| 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 | 550.000 | -13.000 |
| Medium              | 0.039    | 0.728 | V | 0.000      | 464.000 | mmho/m | 540.000 | -16.000 |
| 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      |            | 3970.000 | 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 |         |       |

|                                        |  |  |  |  |  |  |
|----------------------------------------|--|--|--|--|--|--|
| Compensated Density Calibration Report |  |  |  |  |  |  |
|----------------------------------------|--|--|--|--|--|--|

|                               |                          |
|-------------------------------|--------------------------|
| Serial-Model:                 | GEAR1-GEARHART           |
| Source / Verifier:            | 147 / 147                |
| Master Calibration Performed: | Thu May 31 00:56:17 2012 |

|                    |         |      |  |              |               |     |
|--------------------|---------|------|--|--------------|---------------|-----|
| Master Calibration |         |      |  |              |               |     |
|                    | Density |      |  | Far Detector | Near Detector |     |
| Magnesium          | 1.710   | g/cc |  | 1243.76      | 629.14        | cps |
| Aluminum           | 2.590   | g/cc |  | 282.16       | 435.01        | cps |

Spine Angle = 76.03

Density/Spine Ratio = 0.576

|            | Size  |    | Reading |   |
|------------|-------|----|---------|---|
| Small Ring | 8.80  | in | 4.01    | V |
| Large Ring | 14.00 | in | 5.67    | V |

## Compensated Neutron Calibration Report

Serial Number: NUE\_2I  
Tool Model: G

## CALIBRATION

| Detector    | Readings |     | Target |     | Normalization |
|-------------|----------|-----|--------|-----|---------------|
| Short Space | 1.00     | cps | 1.00   | cps | 1.0000        |
| Long Space  | 1.00     | cps | 1.00   | cps | 1.0000        |

## Gamma Ray Calibration Report

Serial Number: GR5  
Tool Model: OPEN  
Performed: Thu May 31 01:13:21 2012

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps  
Calibrator Reading: 1.0 cps

Sensitivity: 0.7500 GAPI/cps