



COMPENSATED  
DENSITY / NEUTRON  
PE LOG

|                              |                           |                      |                                    |
|------------------------------|---------------------------|----------------------|------------------------------------|
| Company                      | VINCENT OIL CORPORATION   |                      |                                    |
| Well                         | SMITH #2-6                |                      |                                    |
| Field                        | KINGSDOWN NORTHWEST       |                      |                                    |
| County                       | FORD                      | State                | KANSAS                             |
| Location:                    | APL # : 15-057-20998-0000 |                      | Other Services<br>DIL/MEL<br>SONIC |
| SEC 6 TWP 29S RGE 22W        |                           |                      |                                    |
| Permanent Datum              | GROUND LEVEL              | Elevation            | 2511                               |
| Log Measured From            | KELLY BUSHING 13' A.G.L.  | K.B. 2524            | D.F. 2522                          |
| Drilling Measured From       | KELLY BUSHING             | G.L. 2511            |                                    |
| Date                         | 5/15/18                   |                      |                                    |
| Run Number                   | ONE                       |                      |                                    |
| Depth Driller                | 5400                      |                      |                                    |
| Depth Logger                 | 5396                      |                      |                                    |
| Bottom Logged Interval       | 5372                      |                      |                                    |
| Top Log Interval             | 4200                      |                      |                                    |
| Casing Driller               | 8 5/8"@678'               |                      |                                    |
| Casing Logger                | 680                       |                      |                                    |
| Bit Size                     | 7 7/8"                    |                      |                                    |
| Type Fluid in Hole           | CHEMICAL MUD              | CHLORIDES 11,400 PPM |                                    |
| Density / Viscosity          | 9.2/5.1                   |                      |                                    |
| pH / Fluid Loss              | 9.5/12.4                  |                      |                                    |
| Source of Sample             | FLOWLINE                  |                      |                                    |
| Rm @ Meas. Temp              | .400@80F                  |                      |                                    |
| Rmf @ Meas. Temp             | .300@80F                  |                      |                                    |
| Rmc @ Meas. Temp             | .480@80F                  |                      |                                    |
| Source of Rmf / Rmc          | MEASUREMENT               |                      |                                    |
| Rm @ BHT                     | .248@129F                 |                      |                                    |
| Time Circulation Stopped     | 2.5 HOURS                 |                      |                                    |
| Time Logger on Bottom        | 5:00 P.M.                 |                      |                                    |
| Maximum Recorded Temperature | 129F                      |                      |                                    |
| Equipment Number             | 922339                    |                      |                                    |
| Location                     | HAYS, KANSAS              |                      |                                    |
| Recorded By                  | JEFF LUEBBERS             |                      |                                    |
| Witnessed By                 | KEN LeBLANC               |                      |                                    |

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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

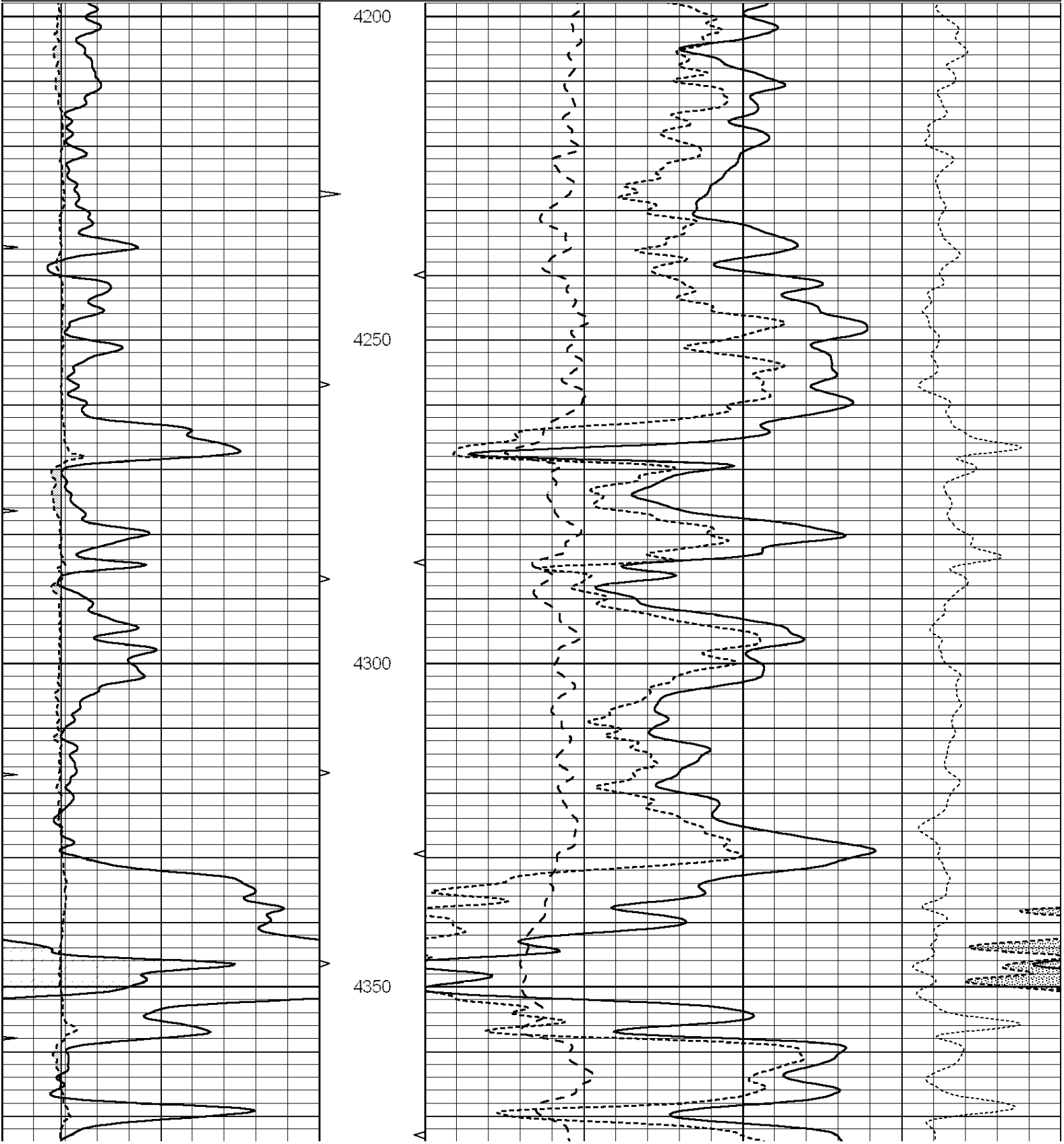
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395  
DIRECTIONS  
KINGSDOWN, KS., (HWY 54 & RD. 125), 1 1/2N. TO TANK BATTERY 1/2W. INTO

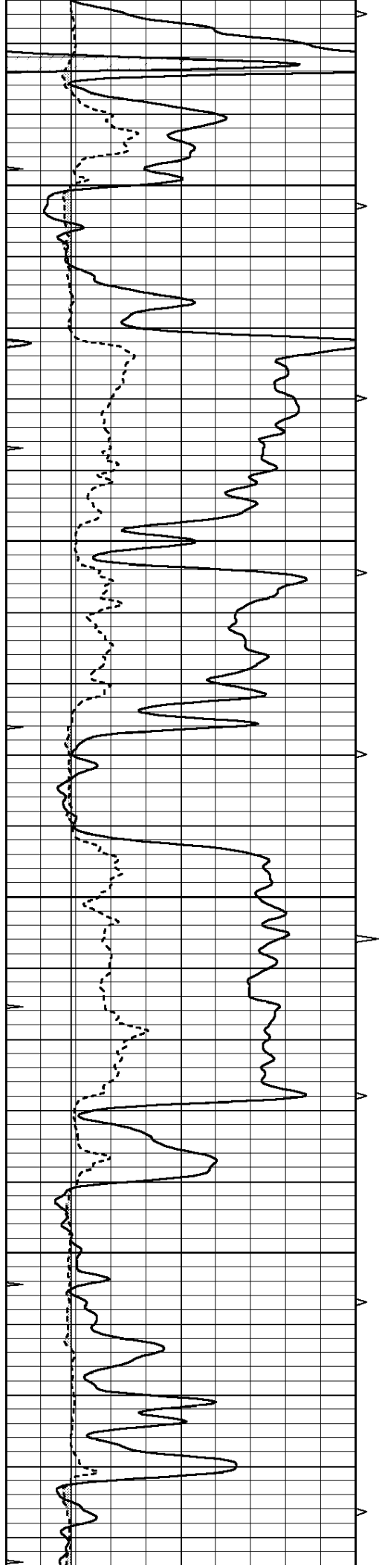


MAIN SECTION

Database File: 2495pe.db  
Dataset Pathname: pass4.2M  
Presentation Format: ldt\_neu  
Dataset Creation: Tue May 15 19:15:55 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                             |
| 0 | MINMK            | 20  | TBHV     | 0  | PE                       | 10 -0.25 CORRECTION (g/cc) 0.25 |
|   |                  |     | 0 (ft3)  | 10 |                          |                                 |



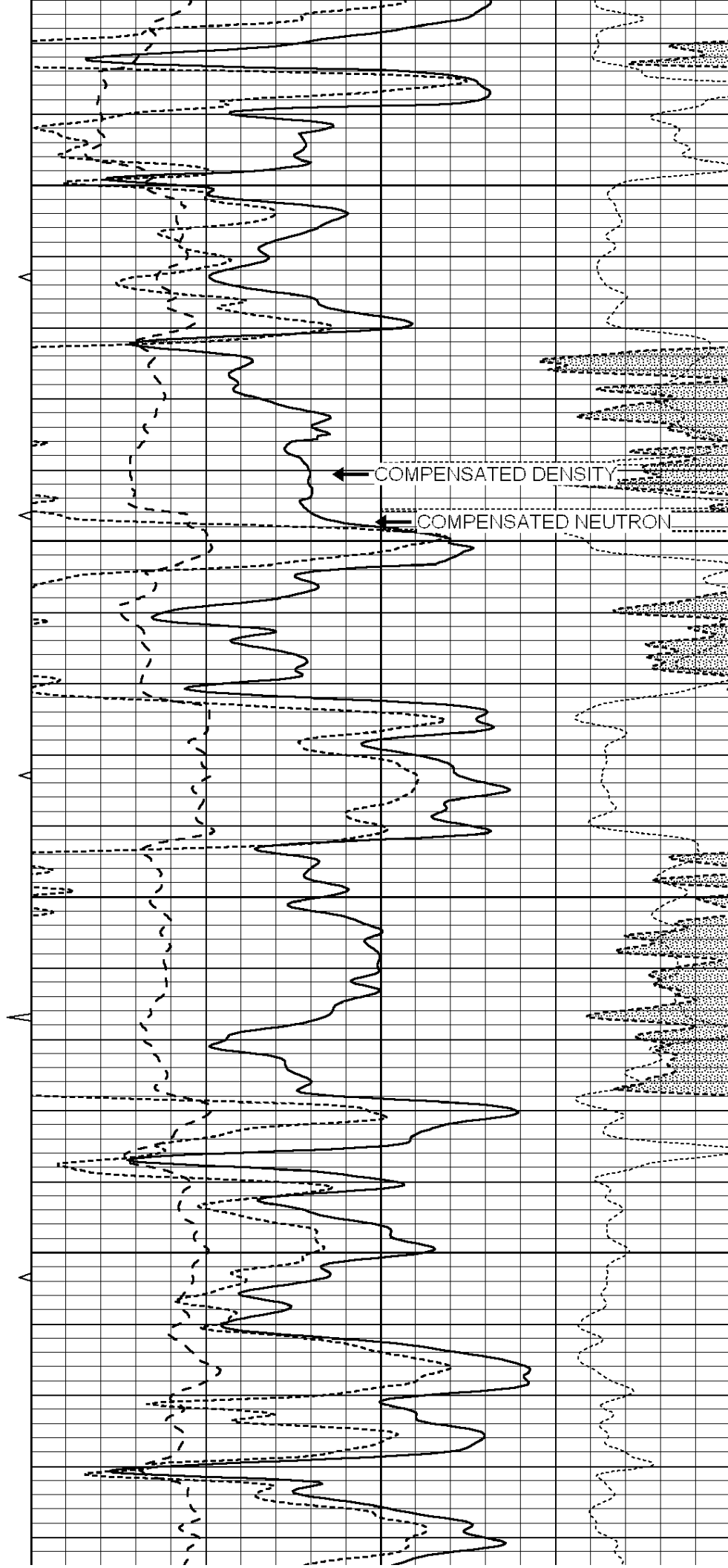


4400

4450

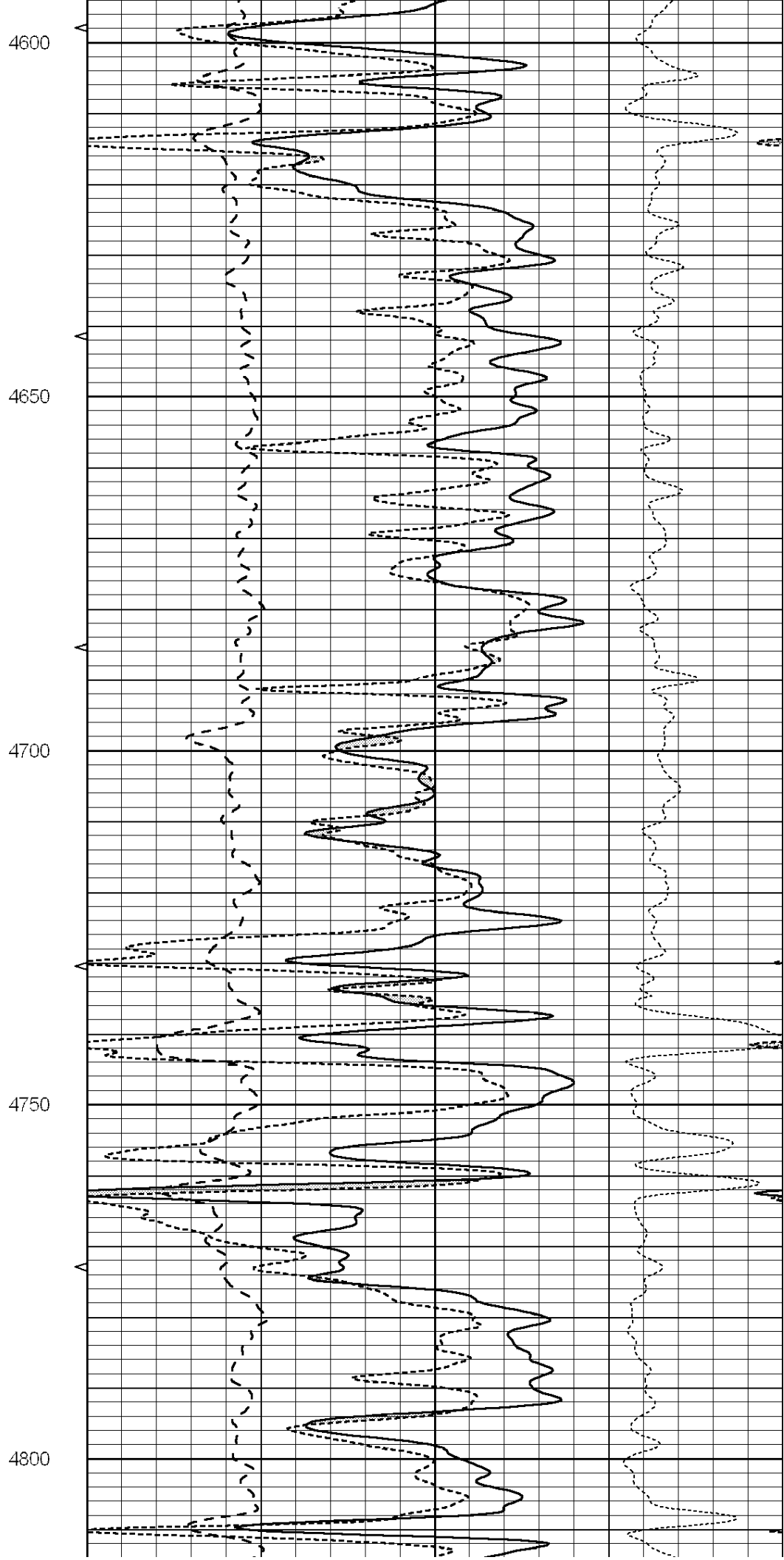
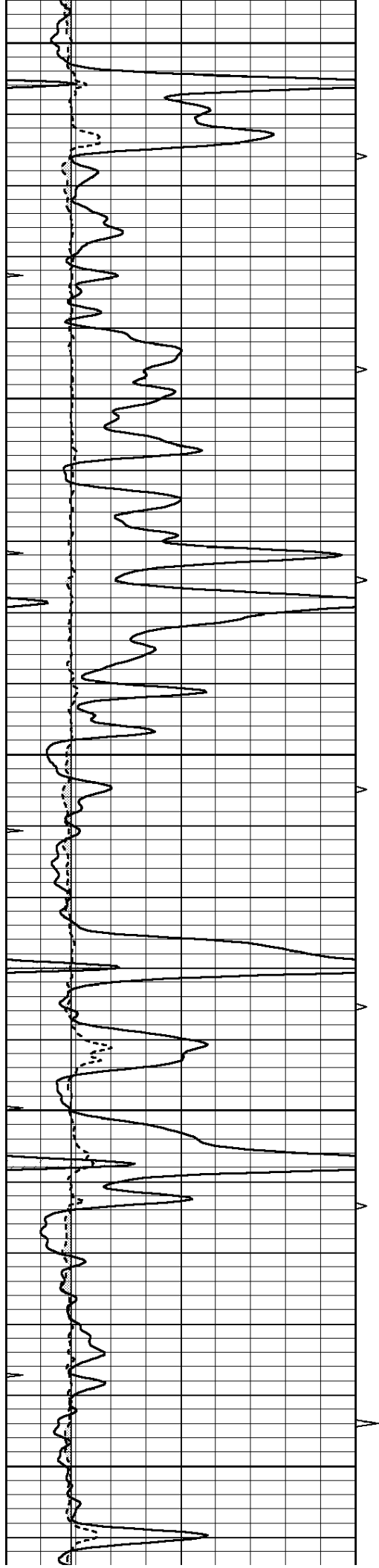
4500

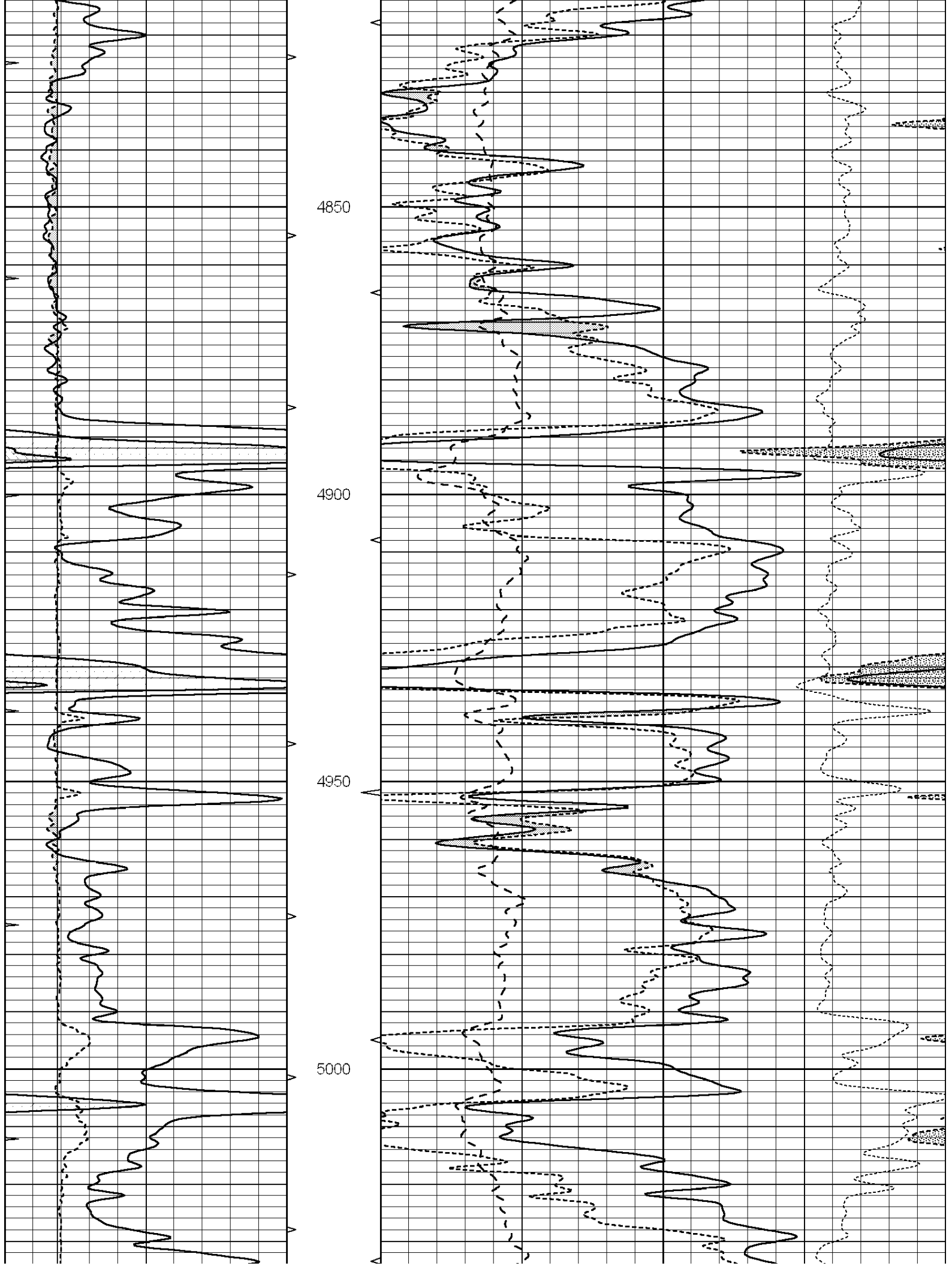
4550

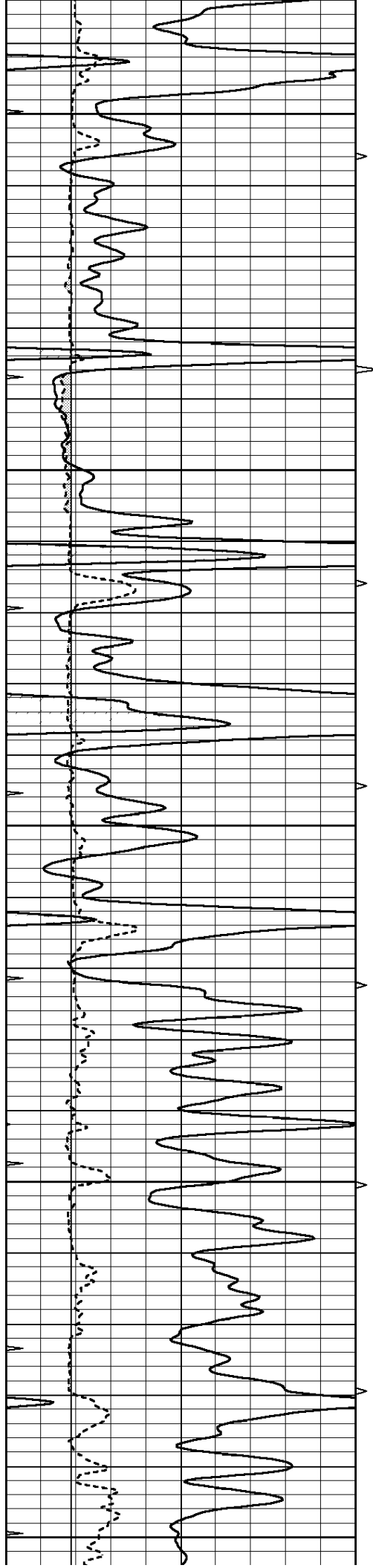


COMPENSATED DENSITY

COMPENSATED NEUTRON







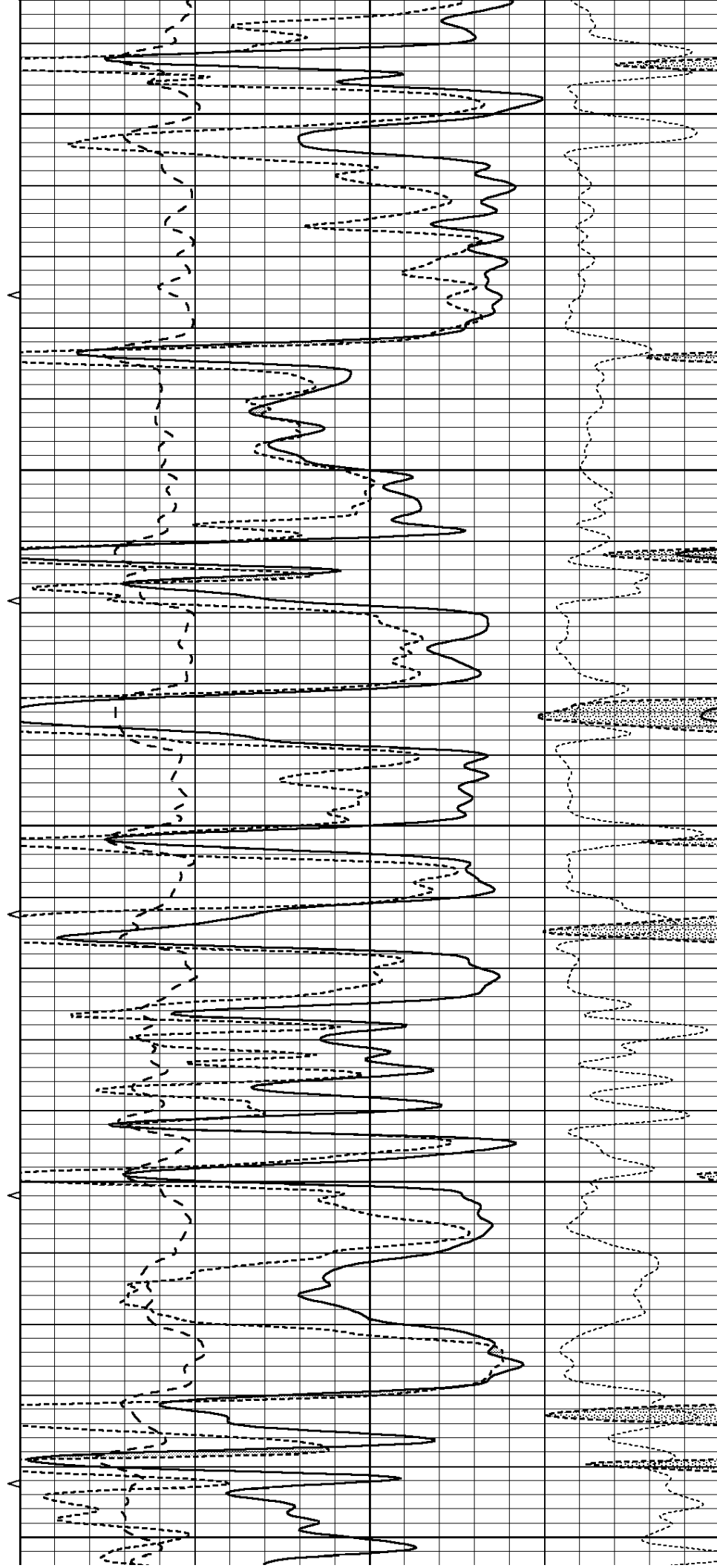
5050

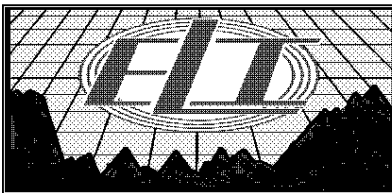
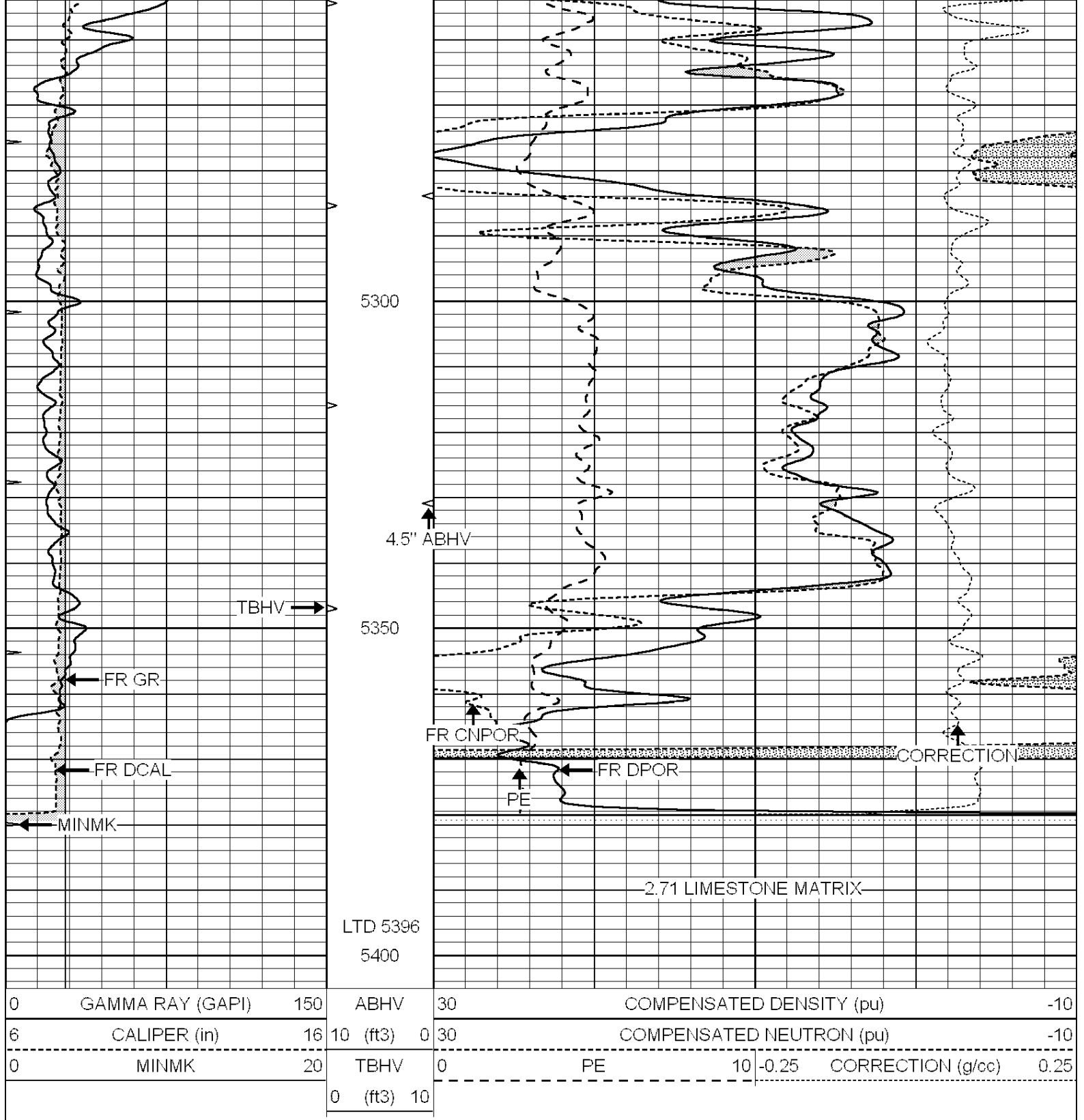
5100

5150

5200

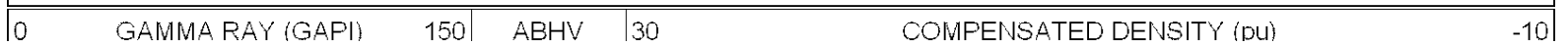
5250



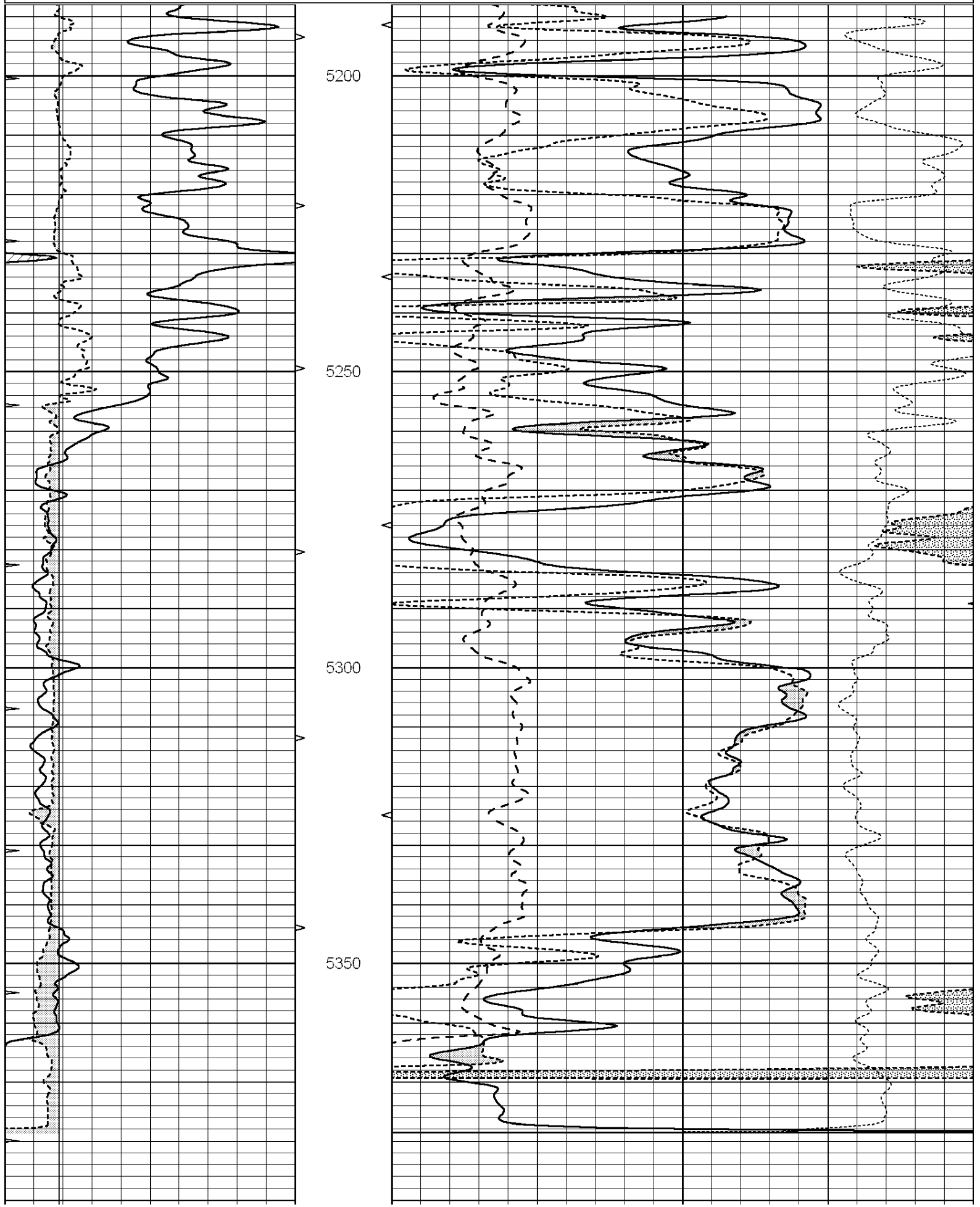


# REPEAT SECTION

Database File: 2495pe.db  
 Dataset Pathname: pass3.5  
 Presentation Format: ldt\_neu  
 Dataset Creation: Tue May 15 17:43:42 2018  
 Charted by: Depth in Feet scaled 1:240



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



[illegible]

|             |        |             |         |                     |         |
|-------------|--------|-------------|---------|---------------------|---------|
| Window 4    | 187.0  | 187.5       | 185.9   | 189.9               | cps     |
| Long Space  | 0.0    | 8345.4      | 1798.1  | 9425.3              | cps     |
| Short Space | 1.1    | 1927.9      | 1285.9  | 2050.2              | cps     |
| Rho         |        | 1.7100      | 2.5960  | 1.3800              | g/cc    |
| Pe          |        | 0.0000      | 2.5700  | 1.5500              |         |
|             |        |             |         |                     |         |
| Rib Angle   | : 45.2 | Rib Slope   | : 1.008 | Density/Spine Ratio | : 0.558 |
| Spine Angle | : 75.2 | Spine Slope | : 3.790 | Spine Intercept     | : -19.6 |

|                            |     |                                    |        |        |      |
|----------------------------|-----|------------------------------------|--------|--------|------|
| 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: | 070808 |
| Tool Model:    | Probe  |

|                         |          |          |        |
|-------------------------|----------|----------|--------|
| 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:          | Wed May 31 00:09:32 2017 |      |
| Calibrator Value:   | 1.0                      | GAPI |
| Background Reading: | 0.0                      | cps  |
| Calibrator Reading: | 1.0                      | cps  |

Calibrator Reading:

1.0

cps

Sensitivity:

0.2800

GAPI/cps