**Table T12.** Downhole surface and trends from petrophysical and downhole measurements, Hole M0028A. (See table notes.)

| Depth (mbsf) | Top | Bottom | Total gamma ray | Th/K | U | Th | Conductivity | Sonic | $V_P$ | Density | Resistivity | Magnetic susceptibility | Surface correspondence | Comments/Interpretation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 217.0 | — | — | Increase | | | | | | | | | | Unit I/II boundary 6 m below | Located where no core recovery |
| 238.0 | — | — | | | | | | | | Increase | | Increase | m4.1 surface 1 m above | |
| 244.0 | — | — | | | | | | | Decrease | | | Decrease | FS | |
| 246.0 | — | — | | | | | Low | | | Increase | | | m4.5 TS with erosional surface 1.8 m below | |
| | 254.5 | 255 | Decrease | | | | | | Increase | Increase | | Small peak | FS | |
| | 269.5 | 271 | Increase | | | | | | | | | | m5 within interval | |
| 291.5 | — | — | Hole | | | | | | Peak | Peak | | | No corresponding surface | |
| 319.0 | 321 | — | | Small peak | | | High | | | | | Small peak | FS | |
| 325.0 | — | — | Decrease | | | | | | | Density | | | Impedance contrast picked 1.5 m above | Cemented layers |
| 350.0 | — | — | | | | | | | | Small low | | Decrease | Lithological change | |
| 390.0 | — | — | | | | | | | Increase | Increase | | | No corresponding surface | Cemented layers |
| 391.0 | — | — | Decrease | | | | | | | | | | Subunit IIIA/B boundary | Cemented layers |
| 415.0 | — | — | Increase | | | | Decrease | | | | | | Subunit IIIB/C boundary | Acoustic amplitude increase |
| 475.0 | — | — | Increase | | | | Decrease | | Increase | | | | Subunit IIIC/D boundary | |
| | 497 | 498 | Increase | | | | Decrease | | Increase | Increase | | | m5.4 surface 2 m above | |
| 511.5 | — | — | | Peak | | | | | Small low | | | | SB 0.8 m below, m5.45 surface 6 m above | |
| 518.0 | — | — | Increase | | | | | | Increase | | | Increase | m5.47 surface 1.6 m below | Petrophysics boundary picked at start of changes, stratigraphic surface at peak |
| 526.0 | — | — | | | | | Hole | | Hole | Increase | | | m5.47 surface 6 m above | |
| 540.0 | — | — | | | | | | | Increase | Density | | | No corresponding surface | Cemented layers |
| 545.5 | — | — | Decrease | | Decrease | | | | | | | | In middle of m5.6 surface error bars | |
| 555.0 | — | — | | | | | Hole | | Peak | Peak | | | No corresponding surface | Cemented layers |
| 565.0 | — | — | | | | | | | Peak | Peak | | | No corresponding surface | Cemented layers |
| 580.5 | — | — | | | | | | | Increase | Increase | | | No corresponding surface | Grain size increase |
| 592.0 | — | — | | | | | Hole | | | Peak | | | m5.7 surface | Cemented layers |
| 611.0 | — | — | Increase | | | | Decrease | | Increase | Increase | | | Unit V/VI boundary and SB | |
| 620.0 | — | — | | | | | | | | | | Start of increase | Lithological change | Cemented layer 2 m below, porosity low |
| 635.0 | — | — | | | | | | | | Hole | | | No corresponding surface | Cemented layer 2 m below, porosity high |
| | 660 | 661 | Increase | Decrease | | | | | Hole | Decrease | | | m5.8 surface 3 m below | Cemented layers |
| 663.8 | — | — | | | Peak | | | | | | | | m5.8 surface <1 m above, Unit VI/VII boundary | Cemented layers |

Notes: — = not applicable. All descriptions (increase/decrease) downhole. No petrophysical picks have been made using gamma ray in the top 200 m of the hole with no core recovery; refer to text and Figure F3 for discussion of this interval. Hole = sharp confined low in measurement, peak = sharp confined high in measurement. FS = flooding surface, TS = transgressive surface, SB = surface boundary.