

2438

78-1305 221047

| DEPTH(m)<br>or<br>SAMPLE No | GRAPHIC LOG<br>(incl. particles, mud, silt, sand,<br>etc.) | COLOUR                   | SEDIMENTARY<br>STRUCTURES &<br>GRAIN SIZE (f, med, crs) | BEDDING ATTITUDE | METAMORPHIC<br>STRUCTURES<br>(cleavage, stylolites,<br>etc.) | MINERALIZATION & ALTERATION |     |     |     | LITHO. LOG | REMARKS | STRAT. |      |     |
|-----------------------------|--|--------------------------|---|------------------|--|-----------------------------|-----|-----|-----|------------|---------|--------|------|-----|
|                             |  |                          |   |                  |  | DIAGENETIC & METASOMATIC    |     |     |     |            |         | ENV.   | Mbr. | Fm. |
|                             |  |                          |   |                  |  | Pyr                         | Mgn | Chl | Gnt |            |         |        |      |     |
| 70                          |  | dk brn<br>- blk          | ⊕⊕  |                  |  |                             |     |     |     |            |         |        |      |     |
|                             |  | dk brn<br>- blk          | ⊕⊕  |                  |  |                             |     |     |     |            |         |        |      |     |
| 80                          |  | bf                       | ⊕⊕  |                  |  |                             |     |     |     |            |         |        |      |     |
|                             |  | dk brn<br>- blk          | ⊕⊕  |                  |  |                             |     |     |     |            |         |        |      |     |
| 90                          |  | gn-lt<br>brn, bf         | ⊕⊕  |                  |  |                             |     |     |     |            |         | 88.7   |      |     |
|                             |  | lt gy/<br>gn -<br>lt brn | ⊕⊕  |                  |  |                             |     |     |     |            |         |        |      |     |
| 100                         |  | lt gy/<br>gn             | ⊕⊕  |                  |  |                             |     |     |     |            |         |        |      |     |
|                             |  | lt brn                   | ⊕   |                  |  |                             |     |     |     |            |         |        |      |     |
| T. D. 109 m                 |  |                          |   |                  |  |                             |     |     |     |            |         |        |      |     |

PROJECT/FIELD SECTION: MOINA (TASMANIA)  
 BOREHOLE / FIELD LOC'N: SMD 4  
 R.L. (Csg Coll): ..... T.D. 109 m 76/54B  
 DRILL / FIELD LOG DATE: From ..... To .....

LEGEND

**PARTICLES:**

- Microbioclastic hash
- Mud lump
- Shell fragments (general)
- Pelletoid 'birdseye'
- Spicules
- Fossil - gasteropod (broken)
- Fossil - pelecypod (broken)
- Fossil - brachiopod
- Fossil - arthropod
- Algal stromatolite (Stl.) (undulatory - lateral)
- Algal stromatolite (digitate)
- Fossil, coral
- Recrystallized (Rex)

**SEDIMENTARY STRUCTURES:**

- Burrows (Brw)
- Bedded (Bd)
- Laminated (Lam)
- Convolutd (Cnvtd)
- 'flame' structure
- Foreset bedding / Lam.
- Ripple - marked

**GRAIN SIZE:**

- f - fine
- med - medium
- crs - coarse
- pbl - pebble
- congl - conglomerate
- aggl - agglomerate
- bc - breccia

**MINERALIZATION:**

- Pyr - Pyrite
- Pyrro - Pyrrhotite
- Fl - Fluorite
- Chl - Chlorite
- Gnt - Garnet
- Mgn - Magnetite
- Glc - Glauconite
- Lmn - Limonite

**QUANTITATIVE LOG**

- present
- common
- abundant
- very abundant
- saturated

**ATTITUDE:**

- (a) Dip in relation to vertical (long) axis of core
- (b) Dip in relation to horizontal plane.

**CARBONATE ROCKS:**  
Classification (After R.J. Dunham)

- a - Lime Mudstone (Mdst): Muddy carbonate, <10% grains
- w - Wackestone (Wkst): Mud-supported carbonate, >10% grain bulk
- p - Packstone (Pkst): Grain-supported, muddy carbonate
- g - Grainstone (Grnst): Grain-supported, mud free, carbonate rocks
- b - Boundstone (Bndst): Carbonates showing interconnecting (binding). Skeletal or organic remnants. e.g. (i) colonial coral reef (ii) algal mats (undulatory - lat.) and digitate (vert.) algal colonies - stromatolites

**ENV.** Depositional environment

**COLOUR:**

- dk - dark
- lt - light
- gn - green
- r - red
- gy - grey
- brn - brown
- blk - black
- wh - white
- bf - buff

**METAMORPHIC:**

- clv - cleavage
- styl - stylolite

**COMALCO LIMITED**

OTHER DATA:

Scale 1:200

Logged by P.W. Stainton