

DEPARTMENT OF MINES, TASMANIA—DRILLING RECORD.

7825

Locality: 5 Mile Zeehan (Devonian Section) Drill: Goldfields N°10 D.D.  
 Bore No.: 6 (ie Montana M.11) Commenced: 3-10-56 Completed: 30-10-56  
 Location of Bore: See plans in draftsmen's room Ref No.: 1909  
 Co-ordinates of Collar: Bore not plotted General M.G. Co-ords: 366 000 E 536 700 N R.L. of Collar: Surface  
 Bearing: 256° 30' Mag Inclination: - 45° Final Depth: 143' Wire held M 109

| Date    | Footage | Total Depth | BORE LOG |      |      |           |                     | Details of Ore Intersection |  |                |      |      |  |  |  |  |  |  |
|---------|---------|-------------|----------|------|------|-----------|---------------------|-----------------------------|--|----------------|------|------|--|--|--|--|--|--|
|         |         |             | From     | To   | Core | Thickness | Particulars of Core | From                        | To   | Size of Sample | % Cu | % Ni |  |  |  |  |  |  |
| Oct. 3  | 15'     | 15'         | 0'       | 15'  | —    | 15'       |                     |                             |  |                |      |      |  |  |  |  |  |  |
| .... 4  | 20'     | 35'         | 15'      | 35'  |      | 20'       | 0                   | 25'                         | No Core.   |                |      |      |  |  |  |  |  |  |
| .... 5  | 15'     | 50'         | 35'      | 50'  |      | 15'       | 25                  | 30                          | Medium-grained feldspathic sandstone   |                |      |      |  |  |  |  |  |  |
| .... 8  | 11'     | 61'         | 50'      | 61'  |      | 11'       |                     |                             | Two pieces of iron-stained jasper (<1" dia). Much patchy iron-staining   |                |      |      |  |  |  |  |  |  |
| .... 9  | 5'      | 66'         | 61'      | 66'  | 4'   | 5'        |                     |                             |  |                |      |      |  |  |  |  |  |  |
| .... 10 | 21'     | 87'         | 66'      | 87'  | 9'   | 21'       | 30                  | 45                          | Medium-grained feldspathic sandstone, slightly patchy limonitic staining   |                |      |      |  |  |  |  |  |  |
| .... 11 | 18'     | 105'        | 87'      | 105' | 6'   | 18'       |                     |                             |  |                |      |      |  |  |  |  |  |  |
| .... 12 | 5'      | 110'        | 105'     | 110' | 2'   | 5'        | 45                  | 60                          | Light gray, fine-grained, fissile, very well bedded shale $\angle B = 45^\circ$  |                |      |      |  |  |  |  |  |  |
| .... 17 | 5'      | 115'        | 110'     | 115' | 5'   | 5'        |                     |                             |  |                |      |      |  |  |  |  |  |  |
| .... 18 | 8'      | 123'        | 115'     | 123' | 4'   | 8'        | 60                  | 69                          | Very light grey-green shale, fissile and well bedded, very friable. $\angle B = 45^\circ$  |                |      |      |  |  |  |  |  |  |
| .... 19 | 10'     | 133'        | 123'     | 133' | 5'   | 10'       |                     |                             |  |                |      |      |  |  |  |  |  |  |
| .... 22 | 10'     | 143'        | 133'     | 143' | 5'   | 10'       | 69                  | 81                          | As above (60'-69') but less friable  |                |      |      |  |  |  |  |  |  |
|         |         |             |          |      |      |           | 81                  | 105                         | Dark black shale with slight red and/or green colorations. Well bedded though not very fissile $\angle B = 45^\circ$   |                |      |      |  |  |  |  |  |  |
|         |         |             |          |      |      |           | 105                 | 143                         | Mainly the gabbro type except for a chocolate shale "horse" at 110'-120'. The gabbro shows alteration and secondary quartz veining. Portions of the gabbro are very leached and vuggy. Parts show brecciation esp. 133'-139'. No visible pyrite. |                |      |      |  |  |  |  |  |  |
|         |         |             |          |      |      |           |                     |                             |  |                |      |      |  |  |  |  |  |  |

\* Only a portion of CORE ARRIVED in Hobart RECOVERIES shown from MILLERS RECORDS.

Microscopic EXAMINATIONS.  
 25'-30' = Tuff of Quartz + altered feldspar.  
 Jasper (25-30) Quartz (not vein quartz) showing secondary silicification.  
 45-60 = Shale  
 60-69 = Intermediate between shale and phyllite.

Hole Completed!