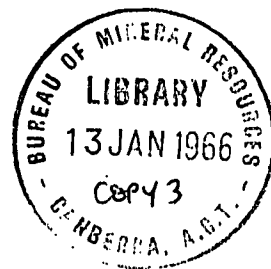
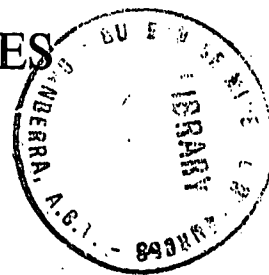


COMMONWEALTH OF AUSTRALIA



DEPARTMENT OF NATIONAL DEVELOPMENT
BUREAU OF MINERAL RESOURCES
GEOLOGY AND GEOPHYSICS



RECORDS:

1943/16

MICRO-EXAMINATION OF SAMPLES FROM MRS. BENNETT'S
NO. 3805 MUTTAMA, QUAMBONE, N.S.W.

by

I. CRESPIN.

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20th February, 1943.

MICRO-EXAMINATION OF SAMPLES FROM MRS. F.F. BENNETT'S
NO. 3835, MUTEANA, QUALBORN, N. S. W.

Report No. 1943/16.

The samples examined were taken between the depths of 17 feet and 1984 feet.

From 17 feet down to 98 feet, unconsolidated yellowish sands are present, with pinkish sandstone at 26 feet.

At 127 feet in ochreous sandstone containing limonitic replacement of woody particles and a few glauconite grains.

From 170 feet down to 948 feet, carbonaceous shales alternated with carbonaceous sandstone.

From 1025 feet down to 1092 feet, the sediments consist of fine to coarse quartz grains with quartz pebbles at 1015 and 1092 feet.

From 1110 feet down to 1266 feet, fine sandstones are present.

From 1316 feet down to 1338 feet grey to pale grey, sandy shales are recorded.

From 1366 feet down to 1984 feet, the base of the bore, the sediments consist entirely of fine quartz sands.

The samples from this bore, which is situated 137 miles south-east of Bourke, contains no micro-fossils. The carbonaceous shales which are referable to similar beds in bores previously examined, are most probably of Lower Cretaceous age.

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