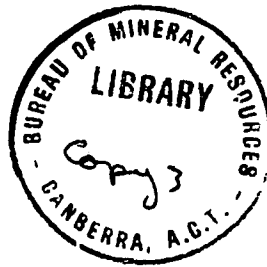


COMMONWEALTH OF AUSTRALIA

DEPARTMENT OF NATIONAL DEVELOPMENT
BUREAU OF MINERAL RESOURCES
GEOLOGY AND GEOPHYSICS

RECORDS:

RECORD 1965/136



REPORT ON SAMPLES FROM THE WATER BORES NORTHERN TERRITORY

by

G.R.J. Terpstra

(SAMPLES EXAMINED FOR MICROFOSSILS)

The information contained in this report has been obtained by the Department of National Development, as part of the policy of the Commonwealth Government, to assist in the exploration and development of mineral resources. It may not be published in any form or used in a company prospectus without the permission in writing of the Director, Bureau of Mineral Resources, Geology and Geophysics.

REPORT ON SAMPLES FROM THE WATER BORES G53/3-2, /1-110;
/-2-135; AND /2-111. NORTHERN TERRITORY

by

G.R.J. Terpstra

Records 1965/136

INTRODUCTION

Cutting samples from the Bores: G53/3-2; G53/1-110; G53/2-135 and G53/2-111 (Northern Territory) submitted by the Resident Geologist of Alice Springs, have been examined. The prefix G53/1 etc. refers to the 1:250,000 Sheet area; the last number in each case is the number allocated to the bore by the Resident Geologist in Alice Springs. The results are given below:

OBSERVATIONS

Bore G53/3-2, Hale River, some 40 miles east of Steele's Gap
(1:250,000 Sheet No. G.5303)

The following cuttings have been examined:

130' (previously mentioned in Record 1964/124)

Ammodiscus cretaceus (Reuss) 1845

Textularia wilgunyaensis Crespin 1963

Trochammina minuta Crespin 1953

Trochammina cf raggatti Crespin 1944

Verneuilina howchini Crespin 1953

Radiolaria spp.

140' (previously mentioned in Record 1964/124)

Ammodiscus cretaceus (Reuss) 1845

Trochammina cf minuta Crespin 1953

Radiolaria, including:

Dictyomitra cf australis Hinde

150' (previously mentioned in Record 1964/124)

Ammodiscus cretaceus (Reuss) 1845

Trochammina cf minuta Crespin 1953

Radiolaria spp.

160' Haplophragmoides sp.

Pyritised disc-like objects, presumably Radiolaria

180' No microfossils

190' No microfossils

200' No microfossils

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- 210' No microfossils
- 220' Ammodiscus cretaceus (Reuss) 1845
Trochammina cf minuta Crespín 1953
- 230' No microfossils
- 250' Bigennerina loeblichae Crespín 1953
- 260' Ammodiscus cretaceus (Reuss) 1845
Haplophragmoides sp.
Lenticulina sp.
Miliammina sp.
Trochammina cf minuta Crespín 1953
Pyritised disc-like objects, presumably Radiolaria
- 270' Ammobaculoides romaensis Crespín 1953
Ammodiscus cretaceus (Reuss) 1845
Bigennerina loeblichae Crespín 1953
Miliammina sp.
Trochammina cf minuta Crespín 1953
Verneuilinoides sp.
- 280' Ammobaculoides romaensis Crespín 1953
Trochammina delicatula Crespín 1963
Trochammina cf minuta Crespín 1953
- 290' Ammodiscus cretaceus (Reuss) 1845
Haplophragmoides sp.
- 300' Ammodiscus cretaceus (Reuss) 1845
Marginulinopsis cf subcretaceus (Crespín) 1953
Trochammina delicatula Crespín 1963
- 310' Ammodiscus cretaceus (Reuss) 1845
Anomalinoides mawsoni (Crespín) 1953
Epistomina australiensis Crespín 1953
Lenticulina sp.
Haplophragmoides sp.
- 320' Ammobaculinoides romaensis Crespín 1953
Ammodiscus cretaceus (Reuss) 1845
Frondicularia sp.
Haplophragmoides sp.
Lenticulina sp.

- 330' Ammodiscus cretaceus (Reuss) 1845.
Epistomina australiensis Crespin 1953
Haplophragmoides sp.
Lenticulina sp.
Miliammina sp.
Textularia sp.
- 340' No microfossils
- 360' Ammobaculites minimus Crespin 1953
Anomalina sp.
Lenticulina sp.
Miliammina sp.
Textularia sp.
Trochammina cf. delicatula Crespin 1963
- 370' Lenticulina sp.
- 385' No microfossils
- 400' ?Dorothia sp.
Lenticulina sp.
Marginulinopsis australis Crespin 1953
Saracenaria sp.
Trochammina delicatula Crespin 1963
- 410' Lenticulina sp.
Haplophragmoides sp.
- 420' No microfossils
The beds penetrated from 130-410' are of Lower Cretaceous age.
- Bore G53/1-110 1½ miles upstream from Morleys Bore and 6 miles.
downstream along Hugh River (1:250,000 Sheet No. G5301)
- 90' No microfossils
Bore G53/2-111 6 miles E.S.E. of Orange Creek Homestead, by Hugh
River 400 yards of Morleys Bore.
(1:250,000 Sheet G5302)

80' No microfossils

Bore G53/2-135 6 miles E.S.E. of Orange Creek Homestead, $\frac{3}{4}$ miles N.
of Morleys Bore.
(1:250,000 Sheet No.G5302)

120-160' ?Scaphopoda sp.
Fragments of molluscan tests.
No age determination can be given

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