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1962/86 ANGLISEAN NO. 11/12

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MICROPALAEONTOLOGICAL REPORT ON  
ANGLESEA NO.1 WELL.

A detailed examination has been made on all cores from Oil Development's Anglesea No.1 well. Rotary cuttings were examined from the surface to 2000 feet. No fauna was found, except in a core sample from core no.7 (1931 to 1951 feet). This sample contained an upper Eocene fauna. On detailed re-examination of the core it is suspected that the original core sample was in fact "mud cake". All that can be concluded is that upper Eocene marine sediments are present above 1931 feet in this well. It is noted that upper Eocene foraminiferal faunas were reported by Reed (1961) from shallow bore samples in the Anglesea area.

D.J.Taylor  
Geologist.

5th December, 1962.

Reference:

Reed, K.J., 1961	Micropalaeontological examination of samples - Torquay - Anglesea area. <u>Unpublished Report, Geol. Surv. Vict.</u>
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COMMONWEALTH OF AUSTRALIA

DEPARTMENT OF NATIONAL DEVELOPMENT

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BUREAU OF MINERAL RESOURCES  
GEOLOGY AND GEOPHYSICS  
MLC BUILDING  
LONDON CIRCUIT  
CANBERRA CITY  
ACT

62/1217

In Reply Please Quote.....

23 AUG 1963

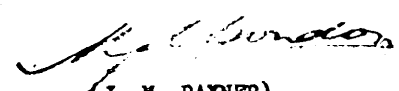
The Exploration Manager,  
Alliance Oil Development Australia N.L.,  
100 Collins Street,  
MELBOURNE. C.I. VIC.

Dear Sir,

Petroleum Search Subsidy Act 1959-1961  
Anglesea No. 1 Off Structure Drilling.

With reference to your completion report on the above well, a point has been raised on the micropalaeontology. Mr. Taylor reported Upper Eocene foraminifera in Core 7, which he suspected were derived from the mud but found no fossils in cuttings between 0 and 2000 feet. Examination in Canberra of all cores and cuttings between 40 and 2060 feet found that the cores were barren but that the cuttings between 40 and 300 feet contain Cyclamina sp. community. It would interest us to know details of the Upper Eocene fauna found by Mr. Taylor in the mudcake of core 7 and I should be grateful if you would be so good as to supply information on this point.

Yours faithfully,

  
(J. M. RAYNER)  
Director.

JLK:CF

9th October, 1963.

The Director,  
Bureau of Mineral Resources,  
Box 378 P.O.,  
CANBERRA CITY. A.C.T.

Dear Sir,

I am enclosing a copy of a letter forwarded to us by Mr. Stach earlier this month.

He suggested that we reply direct to you in this matter.

Accordingly I am enclosing herewith a memorandum from Mr. Taylor, 9.10.1963 and a copy of Mr. Reed's report dated 18th April, 1961.

You are at liberty to add any of the information contained in any of these documents to the Completion Report for this well.

Yours faithfully,

J.L. KNIGHT,  
A/g. Director of Geological Survey.

Encl.

Amlesea No. 1. File.

EJT:CF

9th October, 1963.

MEMORANDUM:

A/G. Director of Geological Survey.

In reply to a letter (62/1217) from the Director of the Bureau of Mineral Resources, I wish to record further information regarding my report on O.D.N.L.'s Anglesea No. 1 well.

The characteristic upper Eocene species present in the mud cake of Core 7, were Globigerina linaperta Finlay ("slit-aperture morphotype") and Globigerina index Finlay. These two forms are characteristic species of Carter's (1958) Faunal Units 1 and 2 of the Upper Eocene. The two species were compared with Carter's figured specimens. It is noted that there are at least two morphotypes (probably three) referable to G. linaperta within the Victorian Tertiary sequence, but the "slit-aperture morphotype" does not extend beyond the range of G. index.

In O.D.N.L.'s completion report, it is noted that the well was in Debon's Bluff Formation from the surface to 390 feet (refer p. 16). In light of Reed's (1961) findings, it is not surprising that Upper Eocene Foraminifera are present within the Debon's Bluff Formation. It is also not surprising that this fauna cannot be isolated from cutting samples, as it is probably within extremely thin intervals of sediment. I have been finding these thin incursions of upper Eocene planktonic faunas within the uppermost "Cyclammina bearing sediments" from sub-surface sections west of the Otway Ranges.

I suggest that you enclose a copy of Reed's unpublished report, when you reply to the Director of the Bureau of Mineral Resources.

References:-

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|---------------------|---|
| CARTER, A.N., 1958. | Tertiary Foraminifera from the Aire District, Victoria.<br><u>Geol.Surv.Vict., Bull. 55.</u>                  |
| REED, K.J., 1961.   | Micropalaeontological examination of samples Torquay-Anglesea area.<br><u>Unpubl. Report, Geol.Surv.Vict.</u> |

*David Taylor*  
D.J. TAYLOR,  
Geologist.