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THRID QUARTERLY REPORT

YEAR 5

T/14P
980.2

AMOCO AUSTRALIA PETROLEUM COMPANY

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Report	Third Quarterly Report, Year 5, T/14P 980.2
Figure 1.	Time Structure Map Orange Horizon (Lower Eocene) 1:100,000

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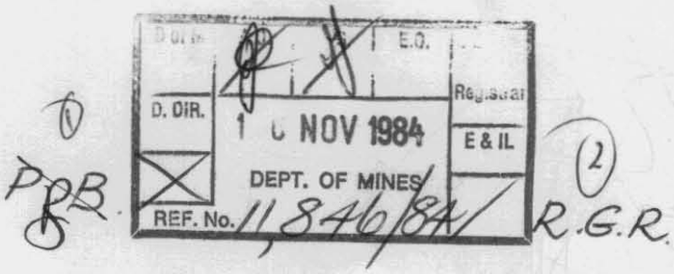
AMOCO AUSTRALIA PETROLEUM COMPANY



November 1, 1984

The Director
Department of Mines
GPO Box 124B
Hobart, Tasmania 7001

Third Quarterly Report, Year 5, T/14P
980.2

Dear Sir,

This report relates to exploratory work carried out by Amoco Australia Petroleum Company as operator for the consortium holding title to permit T/14P, during the period July 9, 1984, to October 8, 1984.

Geological Work

Mathematical computer simulations of the burial history and organic maturation history of the Bass 1, Bass 2, Dondu 1, Nangkero 1 and Yurongi 1 wells were made. In general they agree with available vitrinite reflectance data in showing that the Tertiary section is undermature, and that the Cretaceous could have sourced hydrocarbons. The study is continuing.

Work on obtaining well logs, completion reports and other well data continued. As suitable well logs became available they were digitized and input to Amoco's computer system for subsequent processing.

Plans were finalized to sample available cores and cuttings from the five wells in the permit. Selected samples will be taken for palynological study, to solve specific correlation problems; for vitrinite reflectance measurements, where data are lacking or there are data conflicts; and for analysis of reservoir properties.

Geophysical Work

A preliminary time-structure map has been made on an horizon within the lower Eocene (broadly equivalent to the M. diversus horizon of previous workers). A copy of the map is attached. This map and deeper leads identified from existing seismic data have been used to define areas where additional seismic data will be acquired. A survey of 550 kilometers has been programmed, with acquisition planned to start in mid-November, 1984.

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Based on results of a pilot re-processing study, 348 kilometers of existing data have been selected for reprocessing, and field-tape copying has been initiated. The reprocessing will be carried-out concurrently with shooting and processing of the new seismic program.

Yours very truly,

C. W. Waring
Resident Manager

AER/jr
513/U(1)

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Amoco Production Company
Central & South America & Far East Region
Houston, Texas

Type of map: TIME STRUCTURE MAP	
Horizon: ORANGE HORIZON (LOWER EOCENE)	
Area: BASS BASIN, AUSTRALIA	Map Quad: T14P
Interpreter: T. L. FLEMING	Date: SEPT. 1984
Scale: 1:100,000	Contour Interval: .05 SEC.
Remarks: 5 cm	
Film file no. FA-182	52

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UNIVERSAL TRANSVERSE MERCATOR ARC 2950
CENTRAL MERIDIAN = 149° 0' 0" E LON SCALE FACTOR = 0.99959999

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