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DEPARTMENT OF MINES
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REPORT AD62

PALAEONTOLOGICAL REPORT 7/66

AUSTRALIAN OIL AND GAS CORPORATION LONKOP OIL BORE NO. 1

HUNDRED ROCKFORDS SECTION 6

PROGRESS REPORT NO. 3

by

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2

AUSTRALIAN OIL AND GAS CORPORATION LANTON OIL BORE NO. 1

PROGRESS REPORT NO. 3

Abstract

Two samples from 1405 and 1420 feet respectively submitted by Dr Jenkins are considered to be taken from Mesozoic, probably Cretaceous, sediments.

Report on Samples

Two isolated samples selected at a change in lithology were submitted.

At 1405 feet

Dark greenish grey plastic mudstone with large quartz pebbles and fragments of light brown clay material (? contamination).

Washed residues consist of rounded to subangular quartz grains of varying sizes pellets of dark green glauconite, clay material stained with ferric iron, chlorite, biotite, pale green minerals not identified, and accessories.

The material is believed to be of non-marine origin and of Cretaceous age, subject to confirmation when sludges below 1000 feet are received.

At 1420 feet

Blue grey carbonaceous laminated siltstone. There are abundant fairly fine plant remains on the laminae. The mineral assemblage includes glauconite, pyrite, biotite and ferromagnesian mineral.

As no foraminifera were recovered the sediments are presumed to be of non-marine origin. On their lithological resemblance to material from bores in the Lake Frome area they are considered to be of Cretaceous age.

Diagnoses will be confirmed when consecutive samples come to hand.

Report on samples below 500 feet will be furnished later.

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