



PE990431

MICROPALEONTOLOGICAL REPORT ON GANNET #1 WELL

Cuttings from the Gannet #1 well were submitted by Endeavour Oil Co. N.L. for selective micropaleontological examination. The following samples were examined micropaleontologically in early September, 1970:-

Depth 750'- 760'
900'- 910'
1100'-1110'
1300'-1310'
1500'-1510'
1700'-1710'
1750'-1760'
1800'-1810'
1850'-1860'
2070'-2080'
2170'-2180'
2180'-2190'
2190'-2200'

Foraminiferal assemblages in the samples from 750' to 1510' depth are very sparse. *Cibicides victoriensis* and a few recrystallised specimens of *Orbulina* were noted at 900'-910' (indicating that the strata represent Carter's Faunal Unit 11 or are even younger); in the other samples only non-diagnostic benthonic foraminifera were observed. J.B. Hocking (Endeavour Oil Co.) has noted the presence of *Lepidocyclina* at 1360'-1370'; the base of Middle Miocene, equated with the base of FU 10, may thus be placed shortly above this level, perhaps at 1300'.

Foraminiferal assemblages in the samples from 1700' to 2200' are considerably richer and include planktonic forms. No species indicating FU 7 or younger strata were observed. One specimen of *Globotrifarina dehiscens* was observed at 1700'-1710' (similarly at 2070'-2080', but this is regarded as contaminant). The base of Miocene, equated with the base of FU 6, is hence tentatively placed at 1750'. A specimen of *Victoriella conoidea* was noted at 2070'-2080'.

The lowest beds of the marine sequence probably represent FU 4, rather than FU 5, although no undoubtedly diagnostic foraminifera were observed.

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