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PALAEONTOLOGICAL REPORT 5/56

PROGRESS REPORT 10.2

AUSTRALIAN OIL AND GAS CORPORATION

LONDON OIL FIELD NO. 1

HEDDRED BOOPEHENS PART SECTION 83

BY

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ADDENDUM

From 270 feet to 915 feet the boring continues through pale gray crystalline limestones and early limestones with a gradual transition from Intersfordian (Lower Miocene) to probably Longfordian (Uppermost Oligocene - lower Miocene).

AUSTRALIAN OIL AND GAS CORPORATION

LONDON OIL DAYS NO.1

HUNTER BROOKFIELD WENT SECTION 03

1. Introduction

Sluice samples from 270 feet to 315 feet consist of grey limestone and marl from which 3 samples were selected for preliminary examination.

2. Stratigraphic sequence

There is little change either lithologically or faunally between 270 feet and 315 feet. At 270 feet the boring was in equivalents of the Morgan Limestone of Batesfordian (presumed to be Lower Miocene) age. There is a gradual transition downwards and at 315 feet the typical foraminiferal assemblage of the Morgan Limestone has disappeared. The fauna at this level is probably Longfordian, the sediments being lateral equivalents of the Maun Formation. This is believed by the writer to straddle the Oligocene-Miocene boundary.

3. Samples examined

270 - 300 feet

Grey white fine grained early diagenetic limestone with the foraminifera

Tertularia pseudogracilis Chapman & Farr

Tertularia sagittula DeFrance

Cassidulinia (Pseudocassidulinia) crispata Cushman

Foraminifera parr Cushman

Foraminifera sp

Isocarinella longicauda Williamson

Valvulineria ventralis (Pilsbry)

Valvulineria communis d'Orbigny

Valvulineria orbicularis (d'Orbigny)

Sinuotrochammina subrotunda Murchison & Farr

Cassidulinia rostrata (Grady, Parker & Jones)

Cassidulinia irregularis d'Orbigny

Globulina cibia d'Orbigny

Bolivina sp

Spinoroidina bulloides d'Orbigny

Spinifera rotundus (Fichtel & Moll)

Sibicoides pseudosugerdianus (Cushman)

Sibicoides spp

Anousima glabrata Cushman

Globigerina bulloides d'Orbigny

Globigerinoides trilobularis (d'Orbigny)

Globigerinoides sp.

Cyprina homobini Chapman

Cyprina globulosa House

Carpecteria rotuliformis Chapman & Stropin

Senion victoriensis Cushman

Notorotalia homobini (Chapman, Farr & Collins)

Calcarina verruculata Houchin & Farr

Chorocalina victoriensis Chapman & Farr

400 - 450 feet

light gray bryozoal limestone, with

Regularia sp

Parabularia angustula Houchin

Parathia parri Cushman

Parathia sp

Laguna acuticostata House

Laguna horagora Williamson

Piscuria cf. marginata (Salzer & Boys)

Endocaria sp

Endocaria cf. solida House

Endocaria verticillata (Gatton)

Parabularia communis House

Modiolus orbicularis d'Orbigny

Sicmorphism subregularis Houchin & Farr

Sigmidella elegantissima (Parker & Jones)

Cuttulina irregularia d'Orbigny

Cuttulina problema d'Orbigny

Cuttulina regia (Brady, Parker & Jones)

Globulina gibba d'Orbigny

Evigenerina proboscidea Schragger var. rubescens Cushman

Evigenerina proboscidea Schragger

Rousseaella spinulosa (Rouse)

Sacculinula cubulobosa Brady

Fullonia quinquefolia Rouse

Sponides cf. repandus (Fichtel & Moll)

Cibicides concentricus Cushman

Cibicides pseudomargaritatus (Cushman)

Cibicides rufescens Montfort

Cibicides lobatulus Walker & Jacob

Barina philippinensis Cushman

Ammulina glabrata Cushman

Ammulina sp.

Globigerina bullulosa d'Orbigny

Globigerinoides trilobularis (d'Orbigny)

Cypina howchini Chapman

Carpenteria reticuliformis Chapman & Crespin

Union vitorienae Cushman

Crespinella sp. nov. 1

Sporulina vitorienae Chapman & Barr

Polino derms, Brachiopods and worms will be identified as opportunity permits.

470 - 475 feet

Somewhat early pale grey bryozoal limestone with a fauna similar to that of 463-465.

Sertularia cavittula DeFrance

510 - 515 feet

Fine gray fine early bryozoal limestone, with

Textularia pseudogramma Chapman & Farr

Textularia sp.

Candryina (Pseudocandryina) crispina Cushman

Pisurina orbisquam Soguzina

Pisurina cf. marginata (Walker & Boyd)

Nodosaria sp.

Ortulinia regina (Brady, Parker & Jones)

Ortulinia irregularis d'Orbigny

Ortulinia arabica d'Orbigny

Sigambra subregularis Bouček & Farr

Salvina vadosea Cushman

Loxostomum houstanum Chapman

Bilobulopora sp.

Reussella spinulosa (Reuss)

Cassidulina subglobosa Brady

Gullenia quinguloba Reuss

Cyroidina solimanii d'Orbigny

Boeckella cf. repens (Fichtel & Hall)

Cibicides houstanus d'Orbigny

Cibicides refulgens Montfort

Cibicides lobatulus Walker & Jacob

Cibicides pseudounguis (Cushman)

Cibicides australis Cushman

Anomalina elebrata Cushman

Anomalina sp.

Globicarinina bulloides d'Orbigny

Serranaria retaliformis Chapman & Crespin

Reichen sp. nov.

Astronion australe Cushman & Edwards

Retoretalia houstanii (Chapman, Farr & Collins)

Amphibegia lessonii d'Orbigny

Porothia parri Cushman
Larrea acuticostata Reuss
Larrea hexagona Williamson
Pissurina orbignyana Seguenza
Pissurina cf. marginata (Walker & Reynolds)
Holcarina sp.
Holcarina cf. soluta Reuss
Robulus orbicularis d'Orbigny
Sigamorphina subregularis Houchin & Farr
Sigmoidella elegantissima (Walker & Jones)
Guttulina irregularis d'Orbigny
Guttulina problema d'Orbigny
Guttulina (Sigmoidina) maclayi Cushman & Usawa
Glandulina laevigata d'Orbigny
Globulina ribba d'Orbigny
Myulina cylindroides (Reamer)
Trifarina bradyi Cushman
Cassidulina subglobosa Brady
Pullenia quinqueloba Reuss
Exonides cf. parvulus (Fichtel & Boll)
Exonides bathyus Berreton
Stomatobina concentrica (Brady)
Gibiculus bowmanus d'Orbigny
Gibiculus concentricus Cushman
Gibiculus cf. dorsopustulosus Kelley
Gibiculus rufus Montfort
Alibonina australis Cushman
Anomalina clabrata Cushman
Anomalina sp.
Globisorina bulloides d'Orbigny
Globisorinoides triangularis (d'Orbigny)
Carpenteria rotuliformis Chapman & Crispin
Reion sp. nov.
Reion victorlense Cushman
Operculina victorlensis Cushman

435 - 490 feet

Fairly dense gray bryozoal limestone, with a fauna similar to that of 470 - 475.

Portularia capitata DeFreitas

Larrea homopora Williamson

Pisaurina orbignyana Lapworth

Podocaria sp.

Podocaria cf. colata House

Podocaria pyralis d'Orbigny

Portulima communis d'Orbigny

Sigambrophina subregularis Houchin & Farr

Sigambrella elegantissima (Parker & Jones)

Guttulina irregularis d'Orbigny

Guttulina proboscidea d'Orbigny

Globulina gibba d'Orbigny

Pullenia quinqueloba House

Eponides tethyas Berceon

Gibicides bouganus d'Orbigny

Gibicides cf. disseminatus LeRoy

Gibicides pseudocamerianus Cushman

Siphonina australis Cushman

Ammonia glabrata Cushman

Globigerina bulloides d'Orbigny

Carpenteria rotaliformis Chapman & Crospin

Monia sp. nov.

Monia victoriana Cushman

Astronion australe Cushman & Edwards

Notorotalia houchini (Chapman, Farr & Collins)

Operculina victoriana Cushman

Starts tooth, etc. to be identified as opportunity permits.