- Angler-1 Preliminary Petrology Report
- SE Gippsland Basin Vitrinite Reflectance and Maceral Analysis, Hermes-1, Angler-1 and Anemone - 1A (localed in Hermes -1 Well BOX MISO213)
- Angler-1 List of Appendices (From WCR)



PE903240

This is an enclosure indicator page.

The enclosure PE903240 is enclosed within the container PE903239 at this location in this document.

The enclosure PE903240 has the following characteristics:

ITEM_BARCODE = PE903240
CONTAINER_BARCODE = PE903239

NAME = Angler-1 List of appendices (from WCR)

BASIN = GIPPSLAND

ONSHORE? = N

DATA_TYPE = WELL

DATA_SUB_TYPE = REPORT

DESCRIPTION = Angler-1 List of appendices from Well

Completion Report, VIC/P20, W993.

REMARKS = PERMIT: VIC/P20

DATE_WRITTEN = 22-FEB-1990

DATE_PROCESSED =

DATE_RECEIVED = 23-FEB-1990

RECEIVED_FROM = Petrofina Exploration Australia S.A.

WELL_NAME = Angler-1

CONTRACTOR = Petrofina Exploration Australia S.A.

AUTHOR =

ORIGINATOR = Petrofina Exploration Australia S.A.

TOP_DEPTH = BOTTOM_DEPTH =

ROW_CREATED_BY = xls_hc07

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PE903242

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The enclosure PE903242 has the following characteristics:

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CONTAINER_BARCODE = PE903239

NAME = Angler-1 Preliminary Petrology Report

BASIN = GIPPSLAND

ONSHORE? = N DATA TYPE = WELL

DATA_SUB_TYPE = PETROLOGY_RPT

DESCRIPTION = Angler-1 Preliminary Petrology Report -

Angler-1 Reserves Estimate for the Campanian "B" Sandstones, by National Centre for Petroleum Geology and

Geophysics for Petrofina Exploration

Australia.

REMARKS = PERMIT: VIC/P20

DATE_WRITTEN = 23-JUN-1989

DATE_PROCESSED = DATE_RECEIVED =

RECEIVED_FROM = Petrofina Exploration Australia S.A.

WELL_NAME = Angler-1

CONTRACTOR = Petrofina Exploration Australia S.A.

AUTHOR = Dr. N. M. Lemon

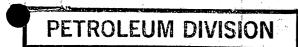
ORIGINATOR = Petrofina Exploration Australia S.A.

TOP_DEPTH =

BOTTOM_DEPTH =

 $ROW_CREATED_BY = xls_hc07$

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ANGLER-1 RESERVES ESTIMATE FOR THE CAMPANIAN "B" SANDSTONES

INTRODUCTION

High gas readings of up to 10% total gas were recorded in a shallow marine sandstones penetrated below 4213m at Angler-1. These high gas values persisted down to 4222m before rapidly declining to less than 1% below that depth. The presence of gas condensate in these sandstones, was subsequently confirmed by the RFT pressure data, which further showed a clear GWC at 4239m.

Detailed analyses on a RFT sample recovered at 4226m showed that this gas condensate had the following properties:

Dew point:

5545 ps1

Gas Formation Factor (Bg): 0.00373

Gas Liquid Ratio:

1 BBL 0 standard conditions per 37126 SCF

RESERVES

Log analysis and RFT results confirm that net reservoir conditions (por > 6%; Sw < 50%; and vshale < 40%) are present in the interval between the top of the reservoir and the GWC (4213m-4239m). To compute reserves, the entire sandstone interval has been divided into three separate zones and the bulk rock volume in each zone computed from a Top Campanian map isopached down to the top of each zone.

Reservoir parameters used in the reserve computations come from the final log evaluation done for Angler-1 while the Bg value was obtained from analyses done on the RFT sample at 4226m. Parameters and results are listed in Table 1.

Table 1

RESERVOIR PARAMETERS AND RESERVES IN CAMPANIAN "B" SANDSTONE

ZONE	TOP mbkb	BOTTOM	THICKNESS m	BULK ROCK VOLUME (10 ⁶ m ³)	N/G (%)	POR.	Sw (%)	Bg	GIP BCF
1	4213	4237	24	230	77	13	29.5	268	154.7
2	4246	4259	13	97	65	12.5	29.5	268	53.0
3	4266	4292	26	149	23	12	29.5	268	28.6

GWC = 4239mbkb

TOTAL: 236.3

CONCLUSION

Total gas in place in Campanian "B" Sandstones is 236.3 BCF.

SOUTHEAST GIPPSLAND BASIN VITRINITE REFLECTANCE AND MACERAL ANALYSIS, HERMES-1, ANGLER-1 AND ANEMONE-1A (PE 903160)

This report is located in the Well Box for Hermes-1 (PE180213).

SOUTHEAST GIPPSLAND BASIN VITRINITE REFLECTANCE AND MACERAL ANALYSIS, HERMES-1, ANGLER-1 & ANEMONE-1A

PETROLEUM DIVISION

Esso Australia Ltd

Chris Jenkins October 1994