

TPR
OR-022

CATALOGUE of MICROPALAEONTOLOGICAL MATERIALS

PART VI

from

OTWAY BASIN OFFSHORE WELLS

By:- DAVID TAYLOR

As to:- August 31, 1975.

EXPLANATION

In all, eleven wells have been examined and micropaleontological materials retained and listed in PART VI of this catalogue. Over 400 samples have been curated.

OTWAY BASIN OFFSHORE WELLS are here defined as exploration wells ("wild cat" and "step out") drilled in the offshore part of the Otway Basin extending from South Australian through Victorian into Tasmanian waters. Not all wells have been examined as a number were obviously barren of diagnostic foraminifera.

MATERIALS imply unprocessed samples, washed residues, picked foraminiferal slides and thin sections, as well as all accumulated documentation (including sample cards) on this material since January, 1965.

CURATION. Samples, including slides and sample cards, are stored in numbered, dustproof drawers, in two cabinets, housed in the storeroom on the west side of the back courtyard of David and Yvonne Taylor's house at 23 Ballast Point Road, Birchgrove, 2041 (on Balmain Peninsula, Port Jackson, N.S.W.): telephone (02) 82-5643.

CATALOGING. Materials obtained from drilling samples are listed on sheets O/off/1 to O/off/15. Accurate well locations are given as latitudes and longitudes with seconds to two decimal places. All depths quoted are in feet below drilling datum and include water depth. Sample depths conform with those written on the original sample containers.

The following coding is used on the sheets:-

38°33'59.69"S = latitude.

148°19'48.57"E = longitude.

Sheet No. refers to number of sheets for particular well and is not related to page number.

Draw No. = repository of residue.

Slides Draw = repository of slides.

Datum = elevation in feet above mean sea level from which all depths were measured.

RT = Datum taken from Rotary Table of drilling vessel or platform.

KB = Datum taken from Kelly Bushing of drilling vessel or platform.

II.

DF = Datum taken from Drill Floor of drilling vessel or platform.

WD = depth in feet from mean sea level to sea floor.

Sample Type column lists washed residues held.

CC = conventional core.

SWC = side wall core.

RC = rotary cuttings.

Slides column lists all slides held.

Well slide = picked and/or floated foraminifera.

Grid slide = sorted foraminifera.

Thin section = cut and polished rock section on glass.

N.F.F. = No foraminifera found.

INDEX. An index follows this explanation and precedes the bulk of this catalogue. All wells are listed in alphabetical order.

Column 2 gives page numbers of sheets for each well.

Columns 3 & 4 show draw location for residues and slides.

Column 5 tabulates documentation by David Taylor on each well, held in his files. Coding used is:-

D = Data sheets (one per well) which may be revised from time to time and this is stated on bottom of sheet.

C = Distribution charts, consisting of one or more sheets per well.

R = A written report as an appendix to the completion report.

S = Supplementary report, charts or diagrams.

Verbal = No fauna found and reported verbally only.

Column 6 lists the Australian State in whose waters the well was drilled.

All material from each well will ultimately be stored by the "Designated Authority" in that State.

WELL LOCATIONS, drilling datums and water depths are tabulated on page IV which follows the index.

Index to Micropaleontological Material

From

Otway Basin Offshore Wells

<u>Well</u>	<u>Page</u>	<u>Residue Draw No.</u>	<u>Slide Draw No.</u>	<u>Documen- tation</u>	<u>State</u>
CLAM-1	0/off/3	29			TAS
PRAWN-1	0/off/9-11	30	38		TAS
WHELK-1	0/off/12	31			

OTWAY BASIN

0/off/3

MICROPALAEONTOLOGICAL MATERIAL

TASMANIA

WELL NAME AND NO: CLAM-1 40°37'41.37"S 144°23'48.28"E

DATE: 20.12.74

PREPARED BY: DAVID TAYLOR

SHEET NO: 1 of 1

DRAW: 29

DATUM: 99 KB

WD: 334

<u>DEPTH</u>	<u>SAMPLE TYPE</u>	<u>SLIDES</u>	<u>ADDITIONAL INFORMATION</u>
to 1773	CC		Core 3A
2295	CC		Core 4A
2303	CC		Core 4B
1090	SWC		Missing
1192	SWC		Residue only
1239	SWC		Residue only
1245	SWC		Residue only
1250	SWC		Residue only
1293	SWC		Residue only
1305	SWC		Residue only
1090 to 1100	RC		
1100 to 1110	RC		
1110 to 1120	RC		
1120 to 1130	RC		
1170 to 1180	RC		
1530 to 1540	RC		
1710 to 1750	RC		
1920 to 1940	RC		
1940 to 1960	RC		
2300 to 2310	RC		
2490 to 2500	RC		

O/off/9

MICROPALAEONTOLOGICAL MATERIAL

TASMANIA

WELL NAME AND NO: PRAWN-1 39°21'23.42"S 143°06'41.89"E DATE: 20.12.74

PREPARED BY: DAVID TAYLOR

SHEET NO: 1 of 3

DRAW: 30

SLIDES: DRAW 38

DATUM: 89 RT

WD: 354

<u>DEPTH</u>	<u>SAMPLE TYPE</u>	<u>SLIDES</u>	<u>ADDITIONAL INFORMATION</u>
to 3940	CC		Core 2 plus slab
4257	CC		Core 3A
4263	CC	1 well slide	Core 3B
4275	CC		Core 3 plus slab
4277	CC		Core 3C
4587	CC		Core 4
4932.5	CC		Core 5/14
4938	CC		Core 5/4
4940	CC		Core 5/5
4948	CC		Core 5/11
4961.5	CC		Core 5/21
5621 to 5649	CC		Core 6
6145	CC		Core 7
6651 to 6677	CC		Core 8
7147 to 7177	CC		Core 9A
7147 to 7177	CC		Core 9B
2843			Reaming sample
955	SWC		Residue only
1090	SWC		Residue only
1286	SWC		Residue only
1420	SWC		Residue only
1612	SWC		Residue only
1812	SWC		Residue only
2008	SWC		Residue only
2225	SWC		Residue only
2412	SWC		Residue only
2440	SWC		Residue only
2508	SWC	1 grid slide	Residue only
2764	SWC	1 grid slide	Residue only
3068	SWC		Plus coarse fraction
3465	SWC		Plus coarse fraction
3897	SWC		Residue only
3964	SWC		Residue only
4120	SWC		Residue only
4855	SWC		Residue only
4882	SWC		Residue only
5579	SWC		Residue only
6094	SWC		Residue only
6487	SWC		Residue only
6548	SWC		Residue only
7060	SWC		Residue only
7082	SWC		Residue only
7104	SWC		Residue only

O/off/10

MICROPALAEONTOLOGICAL MATERIAL

WELL NAME AND NO: PRAWN-1

DATE: 20.12.74

PREPARED BY: DAVID TAYLOR

SHEET NO: 2 of 3

DRAW: 30 SLIDES: DRAW 38

<u>DEPTH</u>	<u>SAMPLE TYPE</u>	<u>SLIDES</u>	<u>ADDITIONAL INFORMATION</u>
to 7220	SWC	1 grid slide	Residue only
7240	SWC		Residue only
7253	SWC		Residue only
7278	SWC	1 grid slide + 1 well	Residue only
7298	SWC		Residue only
7310	SWC	1 well + 1 grid slide	Residue only
7332	SWC		Residue only
7455	SWC		Residue only
7970	SWC		Residue only
1300 to 1310	RC		
1360 to 1370	RC		
1390 to 1400	RC		
2250 to 2260	RC		
2310 to 2320	RC		
2360 to 2370	RC		
2370 to 2380	RC		
2400 to 2410	RC		
2410 to 2420	RC	1 well slide	
2450 to 2460	RC		
2460 to 2470	RC		
2550 to 2560	RC		
2590 to 2600	RC	1 well slide	
2760 to 2770	RC		
2770 to 2780	RC		
2780 to 2790	RC	1 grid slide	
2860 to 2870	RC		
2900	RC		
2940	RC		
3000	RC	1 well slide	
3070	RC		
3020	RC		
3890	RC	1 well slide	
4000 to 4010	RC		
4145	RC		
4210 to 4220	RC	1 well slide	
4300	RC		
4400	RC		
4500	RC		
5000	RC		
5100	RC		
5200	RC		
5320	RC		
5390 to 5354	RC		
5500	RC		

O/off/11

MICROPALAEONTOLOGICAL MATERIAL

WELL NAME AND NO: PRAWN-1

DATE: 20.12.74

PREPARED BY: DAVID TAYLOR

SHEET NO: 3 of 3

DRAW: 30

SLIDES: DRAW 38

<u>DEPTH</u>	<u>SAMPLE TYPE</u>	<u>SLIDES</u>	<u>ADDITIONAL INFORMATION</u>
to 5590	RC		
5700	RC		
5800	RC		
5860	RC	1 well slide	
5900	RC		
6000	RC		
6050	RC	1 well slide	
6130	RC		
6200	RC	1 well slide	
6300	RC		
6400	RC		
6500	RC		
6610	RC		
6700	RC		
6800	RC		
6900	RC	1 well slide	
7000	RC		
7060	RC		
7100	RC	1 well slide	
7200	RC		
7250 to 7260	RC)		
7260 to 7270	RC)		
7270 to 7280	RC)	1 grid slide	
7280	RC)		
7340	RC		
7410 to 7420	RC		
2800 to 2810	RC	1 well slide	
2843	SWC	1 grid slide	
5020 to 5030	RC	1 well slide	

O/off/12

MICROPALEONTOLOGICAL MATERIAL

TASMANIA

WELL NAME AND NO: WHELK-1 39°53'58.69"S 143°33'19.32"E DATE: 20.12.74
 PREPARED BY: DAVID TAYLOR SHEET NO: 1 of 1
 DRAW: 31 DATUM: ----- WD: 338

<u>DEPTH</u>	<u>SAMPLE TYPE</u>	<u>SLIDES</u>	<u>ADDITIONAL INFORMATION</u>
to 991	SWC		Plus unwashed portion
1006	SWC		Plus unwashed portion
1042	SWC		Plus unwashed portion
1062	SWC		Plus unwashed portion
1068	SWC		Plus coarse fraction
1110	SWC		Plus unwashed portion
1125	SWC		Plus unwashed portion
1162	SWC		Plus unwashed portion
1289	SWC		Plus unwashed portion
1385	SWC		Plus unwashed portion
1428	SWC		Plus unwashed portion
1462	SWC		Plus unwashed portion
1486	SWC		Plus unwashed portion
1501	SWC		Plus unwashed portion
1552	SWC		Plus unwashed portion
1594	SWC		Plus unwashed portion
1606	SWC		Plus unwashed portion
1702	SWC		Plus unwashed portion
1712	SWC		Plus unwashed portion
1759	SWC		Plus unwashed portion
1804	SWC		Plus coarse fraction
1842	SWC		Plus small unwashed portion
1888	SWC		Plus unwashed portion
1976	SWC		Plus unwashed portion
2936	SWC		Plus unwashed portion
3116	SWC		Plus unwashed portion