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DEPARTMENT OF
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BUREAU OF MINERAL RESOURCES,
GEOLOGY AND GEOPHYSICS

Record 1979/91



WELLS AND METRES DRILLED FOR PETROLEUM EXPLORATION
AND DEVELOPMENT IN AUSTRALIA
IN 1978

BMR PUBLICATIONS COMPACTUS
(LENDING SECTION)

Prepared in the Petroleum Technology Section
by E. Petrie

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SUMMARY

During 1978, 208 434 m of hole was drilled in the exploration for and development of Australia's petroleum resources, an increase of 87 percent on 1977. Drilling resumed in Queensland and Northern Territory and increased significantly in Western Australia, South Australia, and Victoria; no drilling was reported for New South Wales and Tasmania.

Of the 208 434 m drilled, 114 727 m was drilled for exploration; of this, 56 900 m (49.5 percent) was drilled offshore, and 57 827 m (50.5 percent) onshore.

During the year 92 wells reached total depth, and at the end of the year 5 were drilling ahead. Of the 58 exploration wells, 24 were offshore and 34 onshore; 47 were abandoned or secured (26 dry, 9 with an oil show, 8 with gas shows, 2 with both oil and gas shows, and 2 with unspecified shows); 5 were completed as potential oil producers; 3 were completed as potential gas producers; and 3 were drilling ahead at the end of the year. Of the 39 development wells, 16 were completed as potential oil producers, 18 were completed as potential gas producers, 3 were dry, and 2 were drilling ahead at the end of the year.

ACKNOWLEDGEMENT

BMR acknowledges with thanks the assistance received from State Mines Departments and operating companies in the compilation of these data.

EXPLANATORY NOTES

1. The operating company is that nominated by a group or consortium and as approved by the respective State or Territory Department of Mines or equivalent.
2. The official name of the well is that advised by the respective State or Territory Department of Mines or equivalent.
3. The total depth of each well is the 'Driller's Depth'. All depths shown were confirmed by the respective State or Territory Department of Mines or equivalent.
4. Abbreviations:

KB - Kelly bushing	FIT ₃ - Formation interval test
RT - Rotary table	m ³ - Cubic metres
DF - Derrick floor	m ³ /D - Cubic metres per day
CL - Collar level	Mm ³ /D - Thousand cubic metres per day
FF - First flange	MMm ³ /D - Million cubic metres per day
GL - Ground level	m ³ W/D - Cubic metres of water per day
AMSL - Above mean sea level	GCM - Gas-cut mud
WD - Water depth	BC - Bottom choke
DST - Drill stem test	TC - Top choke
T.D. - Total depth, i.e. depth	on - onshore
at which drilling opera-	off - offshore
tions finally ceased in	ABD - Abandoned
the well concerned.	

5. Definitions (see also Appendix):

Wells drilled - the number of wells that reached total (final) depth during the period stated.

Metres drilled - unless otherwise stated, the total metres drilled, including suspended or uncompleted holes.

Uncompleted hole - the metres drilled in holes suspended or drilling at 31 December.

Wells suspended - wells on which operations have temporarily ceased, and which may or may not be deepened later.

Exploration well - a well drilled in search of undiscovered oil or gas, or in the hope of greatly extending the limits of an already known or partly developed pool.

Development well - a well drilled in any known or proved pool with the object of obtaining oil or gas production.

Service well - a development well drilled for water injection, water source, etc.

Average T.D. exploration wells - the average depth of exploration wells that reached total depth during the year. It is not directly related to the metres drilled in a specific year as it may include some drilling which occurred in the previous year.

TABLE 1. Summary of wells and total metres drilled for petroleum exploration and development in Australia up to 31 December 1978

State or Territory	Total 31.12.74		YEAR								Total to 31.12.78	
			1975		1976		1977		1978			
	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres
Queensland	850	1 286 246	4	6 456	17	25 985	-	-	20	32 340	891	1 351 013
New South Wales	142	154 633	-	-	-	-	1	1 182	-	-	143	155 815
Victoria	365	569 888	3	8 813	-	920	8	19 462	19	57 122	395	656 245
Tasmania	50	63 478	-	-	-	-	-	-	-	-	50	63 478
South Australia	282	436 508	10	20 284	9	23 919	23	56 283	26	66 683	350	603 677
Western Australia	905	1 137 519	9	18 121	6	21 551	9	34 502	23	43 162	952	1 254 855
Northern Territory	73	153 460	3	4 914	-	-	-	-	4	9 127	80	167 501
Annual Total	-	-	29	58 588	32	72 375	41	111 429	92	208 434	2 861	4 252 584
Cumulative Total	2 667	3 801 732	2 696	3 860 320	2 728	3 932 721	2 769	4 044 150	2 861	4 252 584		

TABLE 2. Summary of wells and metres drilled in 1978

State or Territory	Wells drilled		Average T.D. of exploration wells (metres)	Completed as potential producer		Plugged and abandoned	Well suspended	Uncompleted holes		Total metres drilled
	Wells	Metres		Oil	Gas			Holes	Metres	
Queensland	20	31 111	1 655	1	2	17	-	1	1 229	32 340
New South Wales	-	-	-	-	-	-	-	-	-	-
Victoria	19	54 182	2 292	13	-	6	-	2	2 940	57 122
Tasmania	-	-	-	-	-	-	-	-	-	-
South Australia	26	64 357	2 542	1	19	6	-	1	2 326	66 683
Western Australia	23	40 245	1 836	6	-	17	-	1	2 917	43 162
Northern Territory	4	9 127	2 281	-	-	4	-	-	-	9 127
Total	92	199 022	1 973	21	21	50	-	5	9 412	208 434

TABLE 3. Wells drilled for exploration and development, 1978

Year	Exploration		Development	Total
	NFWs*	EXT		
O N S H O R E				
1973	28	1	5	34
1974	19	1	8	28
1975	5	1	4	10
1976	13	4	12	29
1977	7	1	18	26
1978	28	5	24	57
O F F S H O R E				
1973	24	7	6	37
1974	28	3	-	31
1975	16	3	-	19
1976	3	-	-	3
1977	6	7	2	15
1978	19	3	13	35
T O T A L				
1973	52	8	11	71
1974	47	4	8	59
1975	21	4	4	29
1976	16	4	12	32
1977	13	8	20	41
1978	47	8	37	92

*Includes
 New-pool wildcats
 Deeper-pool tests
 Shallower-pool tests (see Appendix)

TABLE 4. Metres drilled for exploration and development, 1978

State or Territory	Exploration wells	Development wells	Service wells	Total
O N S H O R E				
Queensland	29 638	2 702	-	32 340
New South Wales	-	-	-	-
Victoria	-	-	-	-
Tasmania	-	-	-	-
South Australia	20 335	46 348	-	66 683
Western Australia	5 421	2 164	-	7 585
Northern Territory	2 433	-	-	2 433
Total	57 827	51 214	-	109 041
Percentage of onshore & offshore	49	59	-	52.3
O F F S H O R E				
Queensland	-	-	-	-
New South Wales	-	-	-	-
Victoria	14 629	42 493	-	57 122
Tasmania	-	-	-	-
South Australia	-	-	-	-
Western Australia	35 577	-	-	35 577
Northern Territory	6 694	-	-	6 694
Total	56 900	42 493	-	99 393
Percentage of onshore & offshore	49.5	45	-	47.7
O N S H O R E & O F F S H O R E				
Queensland	29 638	2 702	-	32 340
New South Wales	-	-	-	-
Victoria	14 629	42 493	-	57 122
Tasmania	-	-	-	-
South Australia	20 335	46 348	-	66 683
Western Australia	40 998	2 164	-	43 162
Northern Territory	9 127	-	-	9 127
Total	114 727	93 707	-	208 434
Percentage of all wells	55	45	-	100

TABLE 5. Exploration and development drilling completions, 1978

State or Territory	Total drilling operations		COMPLETIONS								Drilling or suspended at 31.12.78	
			Oil		Gas		Oil+Gas		Dry or secured			
	on	off	on	off	on	off	on	off	on	off	on	off

EXPLORATION DRILLING												
Queensland	18	-	1	-	2	-	-	-	14	-	1	-
New South Wales	-	-	-	-	-	-	-	-	-	-	-	-
Victoria	-	7	-	-	-	-	-	-	-	6	-	1
Tasmania	-	-	-	-	-	-	-	-	-	-	-	-
South Australia	8	-	1	-	1	-	-	-	6	-	-	-
Western Australia	7	14	3	-	-	-	-	-	4	13	-	1
Northern Territory	1	3	-	-	-	-	-	-	1	3	-	-
Total	34	24	5	-	3	-	-	-	25	22	1	2

DEVELOPMENT DRILLING												
Queensland	3	-	-	-	-	-	-	-	3	-	-	-
New South Wales	-	-	-	-	-	-	-	-	-	-	-	-
Victoria	-	14	-	13	-	-	-	-	-	-	-	1
Tasmania	-	-	-	-	-	-	-	-	-	-	-	-
South Australia	19	-	-	-	18	-	-	-	-	-	1	-
Western Australia	3	-	3	-	-	-	-	-	-	-	-	-
Northern Territory	-	-	-	-	-	-	-	-	-	-	-	-
Total	25	14	3	13	18	-	-	-	3	-	1	1

¹ Dry exploration or development well

TABLE 6. Well completion summary - combined onshore and offshore wells

State or Territory	Spudded		Status at 31.12.78								Drilling ahead	Suspended	
	Other Year	This Year	Completed as				Abandoned or secured						
			producer				Dry	Oil Gas Oil					Unspec- ified
			Oil	Gas	Oil	Ser- vice Gas		Oil	Gas	Gas			
EXPLORATION WELLS													
Queensland		18	1	2			10	1	3			1	
New South Wales													
Victoria		7					2	4				1	
Tasmania													
South Australia		8	1	1			3	3					
Western Australia	3	18	2				10	1	3	2	1	1	
Northern Territory		4					1		2		1		
Total	3	55	4	3			26	9	8	2	2	3	
DEVELOPMENT WELLS													
Queensland		3					2		1				
New South Wales													
Victoria		14	13									1	
Tasmania													
South Australia	1	18		18								1	
Western Australia		3	3										
Northern Territory													
Total	1	38	16	18			2		1			2	

TABLE 7. Well completion summary - onshore wells

State or Territory	Spudded		Status at 31.12.78									Drilling ahead	Suspended
	Other year	This year	Completed as				Abandoned or secured						
			producer				Dry	Oil		Oil + Gas	Unspec- ified		
			Oil	Gas	Oil + Gas	Ser- vice		Oil	Gas				
E X P L O R A T I O N W E L L S													
Queensland		18	1	2			10	1	3			1	
New South Wales													
Victoria													
Tasmania													
South Australia		8	1	1			3	3					
Western Australia	1	6	3				1	1	1		1		
Northern Territory		1							1				
Total	1	33	5	3			14	5	5		1	1	
D E V E L O P M E N T W E L L S													
Queensland		3					2		1				
New South Wales													
Victoria													
Tasmania													
South Australia	1	18		18								1	
Western Australia		3	3										
Northern Territory													
Total	1	24	3	18			2		1			1	

TABLE 8 - Well completion summary - offshore wells

State or Territory	Spudded		Status at 31.12.78										Drilling ahead	Suspended
	Other year	This year	Completed as				Abandoned or secured							
			producer				Dry	Oil	Gas	Oil	Unspec- + ified Gas			
			Oil	Gas	Oil	Ser- + vice Gas								
EXPLORATION WELLS														
Queensland														
New South Wales														
Victoria		7					2	4					1	
Tasmania														
South Australia														
Western Australia	2	12					9		2	2			1	
Northern Territory		3					1		1			1		
Total	2	22					12	4	3	2		1	2	
DEVELOPMENT WELLS														
Queensland														
New South Wales														
Victoria		14	12				1						1	
Tasmania														
South Australia														
Western Australia														
Northern Territory														
Total		14	12				1						1	

TABLE 9. Well completion summary - by State and company

		Status at 31.12.78													
State or Territory and Company	Well name and number	Spud-		Completed as producer				Abandoned or secured				Drilling ahead Suspended	Exploration well	Development well	
		Onshore	Offshore	Other year This year	Oil	Gas	Oil & Gas Service	Dry	Oil	Gas	Oil & Gas				Unspecified
QUEENSLAND															
Australian Aquitaine Petroleum Pty Ltd	Wongabli No. 1	X		1				1						1	
Bridge Oil Ltd	Boggo Creek No. 2	X		1	1									1	
	Silver Springs No. 4	X		1				1						1	
Delhi Petroleum Pty Ltd	Ashby No. 1	X		1		1								1	
	Wackett No. 1	X		1						1				1	
Hartogen Explorations Pty Ltd	Bundara No. 1	X		1				1						1	
	Karoola No. 1	X		1				1						1	
	Kincora No. 11	X		1				1						1	
	Kincora No. 12	X		1				1						1	
	Kincora No. 13	X		1						1(S)				1	
Hematite Petroleum Pty Ltd	Donga No. 2	X		1					1(S)					1	
	Parknook No. 1	X		1						1(S)				1	
	Bendibai No. 1	X		1								1		1	
Houston Oil & Minerals of Australia Pty Ltd	Marmadua No. 1	X		1				1						1	
Jimilly Pty Ltd	Mascotte No. 1	X		1		1								1	
	Dundonnell No. 1	X		1				1						1	
	Dundonnell No. 1A	X		1				1						1	
	Mount Bassett No. 1	X		1				1						1	
	Bardloming No. 3	X		1				1						1	
	Damper Creek No. 1	X		1						1(S)				1	
	Three Mile No. 1	X		1				1						1	
		21		21	1	2		12	1	4			1	18 3	
NEW SOUTH WALES															
No reported activity															
VICTORIA															
Esso Exploration & Production Australia Inc.	Mackerel A-5	X		1				1						1	
	Mackerel A-2	X		1	1									1	
	Mackerel A-7	X		1	1									1	
	Mackerel A-4	X		1	1									1	
	Mackerel A-3	X		1	1									1	
	Mackerel A-9	X		1	1									1	
	Mackerel A-8	X		1	1									1	
	Mackerel A-10	X		1	1									1	
	Mackerel A-13	X		1	1									1	
	Mackerel A-12	X		1	1									1	
	Mackerel A-11	X		1	1									1	
	Mackerel A-14	X		1										1	
	Tuna A-5	X		1	1								1	1	
	Tuna A-15	X		1	1									1	
	Fortescue No. 1	X		1				1						1	
	Sweep No. 1	X		1				1						1	
	Seahorse No. 1	X		1				1						1	
	West Halibut No. 1	X		1				1						1	
	Fortescue No. 2	X		1				1						1	
	Fortescue No. 3	X		1				1						1	
	Rockling No. 1	X		1									1		1
			21		21	12			3	4				2	7 14

(S) Indicates a show rather than a discovery

TABLE 9. (continued)

		Status at 31.12.78																
State or Territory and Company	Well name and number	Spud-		Completed as producer		Abandoned or secured										Exploration wells	Development wells	
		Onshore	Offshore	Other year	This year	Oil	Gas	Oil & Gas	Service	Dry	Oil	Gas	Oil & Gas	Unspecified	Drilling ahead			Suspended
TASMANIA																		
No reported activity																		
SOUTH AUSTRALIA																		
Delhi Petroleum Pty Ltd	Moomba No. 26	X		1		1											1	
	Packsaddle No. 2	X		1		1			1								1	
	Moomba No. 28	X		1		1											1	
	Munkarie No. 1	X		1		1											1	
	Moomba No. 27	X		1		1											1	
	Moomba No. 30	X		1		1											1	
	Moomba No. 29	X		1		1											1	
	Coochilara No. 1	X		1		1			1								1	
	Moomba No. 31	X		1		1											1	
	Moomba No. 34	X		1		1											1	
	Moomba No. 33	X		1		1											1	
	Big Lake No. 24	X		1		1											1	
	Moomba No. 32	X		1		1											1	
	Moomba No. 35	X		1		1											1	
	Moomba No. 36	X		1		1											1	
	Big Lake No. 25	X		1		1											1	
	Moomba No. 37	X		1		1											1	
	Moomba No. 38	X		1		1											1	
	Moomba No. 41	X		1		1											1	
	Moomba No. 40	X		1		1											1	
	Kirby No. 1	X		1		1					1(S)						1	
	Moomba No. 39	X		1		1											1	
	Wooloo No. 1	X		1		1					1(S)						1	
	Strzelecki No. 3	X		1		1											1	
	Mudlalee No. 2	X		1		1				1							1	
	Packsaddle No. 3	X		1		1					1(S)						1	
	Moomba No. 42	X		1		1											1	
		27		1	26		1	19		3		3				1	8 19	
WESTERN AUSTRALIA																		
Arco Australia Ltd	Frigate No. 1	X		1					1								1	
Esso Exploration & Production Australia Inc.	Houtman No. 1	X		1							1(S)						1	
	Batavia No. 1	X		1					1								1	
West Australian Petroleum Pty Ltd	Warro No. 2	X		1							1(S)						1	
	Geelvink No. 1	X		1					1								1	
	Geelvink No. 1A	X		1					1								1	
	Bundegi No. 1	X		1					1								1	
	Koolinda No. 1	X		1								1(S)					1	
	Mermaid No. 1	X		1					1								1	
	Barrow Island S53	X		1						1(S)							1	
	Barrow Island L51J	X		1		1											1	
	Barrow Island B17A	X		1		1											1	
	Barrow Island B23A	X		1		1											1	
	Barrow Island B31A	X		1		1											1	
	Barrow Island F14G	X		1		1								1			1	
	Barrow Island L82G	X		1		1											1	
	Barrow Island L44G	X		1		1											1	
	Barrow Island B17T	X		1		1											1	

TABLE 9. (continued)

State or Territory and Company	Well name and number	Status at 31.12.78														
		Spud- ded		Completed as producer				Abandoned or secured								
		Onshore	Offshore	Other year	This year	Oil Gas	Oil & Gas Service	Dry	Oil	Gas	Oil & Gas	Unspecified	Drilling ahead Suspended	Exploration well Development well		
WESTERN AUSTRALIA (continued)																
Woodside Petroleum Development Pty Ltd	Jarman No. 1	X			1			1							1	
	Miller No. 1	X			1					1					1	
	Brigadier No. 1	X			1			1							1	
	Finucane No. 1	X			1			1							1	
	Goodwyn No. 5	X			1								1		1	
	Caswell No. 1	X		1							1(S)				1	
		10	14	3	21	6		10	1	3	2	1	1		20	4
NORTHERN TERRITORY																
Arco Australia Ltd	East Swan No. 1	X			1					1(S)					1	
Beach Petroleum NL/ North Broken Hill Holdings Ltd	Colson No. 1	X			1					1(S)					1	
Woodside Petroleum Development Pty Ltd	Bassett No. 1	X			1			1							1	
	Bassett No. 1A	X			1							1(S)			1	
		1	3		4			1		2		1			4	

TABLE 10. Details of wells drilling or completed - by State and company

Well name & number	Lat. Long.	S E	Elevation: reference/ ground (m)	Dates: spudded/ T.D.	Status and results at 31.12.78	Metres From Total -to	Tentative AAPG classification of well: on spudding in/ on completion
<u>QUEENSLAND</u>							
Australian Aquitaine Petroleum Pty Ltd							
Wongabri No. 1	28 11 16 142 22 35		KB 230 GL 225	21.10.78 2.11.78	Dry. Converted to a water well.	0 1945 1945	NFW ABD
Bridge Oil Ltd							
Boggo Creek No. 2	27 33 40 149 07 54		KB 274 GL 269	7.8.78 2.9.78	Completed as an, oil well.	0 1929 1929	NFW NFD
Silver Springs No. 4	27 35 14 149 06 54		KB 268 GL 264	8.10.78 28.10.78	Dry. Plugged and abandoned.	0 1926 1926	EXT ABD
Delhi Petroleum Pty Ltd							
Ashby No. 1	28 14 27 141 33 38		KB 108 GL 104	9.9.78 3.10.78	Shut-in future gas producer.	0 2171 2171	NFW NFD
Wackett No. 1	27 29 44 141 53 34		KB 104 GL 100	28.7.78 20.8.78	Gas flow. Plugged and abandoned.	0 1902 1902	NFW NFD
Hartogen Explorations Pty Ltd							
Bundara No. 1	27 13 11 149 02 59		KB 257 GL 253	19.8.78 30.8.78	Dry. Plugged and abandoned.	0 1772 1772	NFW ABD
Karoola No. 1	27 12 40 148 47 11		KB 244 GL 240	6.10.78 16.10.78	Dry. Plugged and abandoned.	0 1562 1562	NFW ABD
Kincora No. 11	27 01 20 148 49 17		KB 299 GL 294	21.6.78 3.7.78	Dry. Converted to a water well	0 1540 1540	DEV ABD
Kincora No. 12	27 00 12 148 48 12		KB 301 GL 296	26.7.78 5.8.78	Dry. Converted to a water well	0 1549 1549	DEV ABD
Kincora No. 13	27 03 27 148 49 36		KB 306 GL 302	22.9.78 30.9.78	Small gas show. Converted to a water well.	0 1539 1539	DEV ABD
Hematite Petroleum Pty Ltd							
Donga No. 2	27 31 51 148 48 30		KB 235 GL 231	25.11.78 10.12.78	Small oil show. Plugged and abandoned.	0 1584 1584	NFW ABD
Parknook No. 1	27 19 35 149 16 33		KB 362 GL 358	30.11.78 24.12.78	Gas show. Plugged and abandoned.	0 2209 2209	NFW ABD
Bendiboi No. 1	27 32 30 148 54 28		KB 234 GL 230	21.12.78 -	Drilling ahead.	0 1229 1229	NFW -
Houston Oil and Minerals of Australia Pty Ltd							
Marmadue No. 2	27 24 50 150 37 00		KB 367 GL 363	14.11.78 23.11.78	Dry. Plugged and abandoned.	0 1371 1371	NFW ABD

Well name & number	Lat. Long.	S E (° ' ")	Elevation: reference/ ground (m)	Dates: spudded/ T.D.	Status and results at 31.12.78	Metres From -to	Total	Tentative AAPG classification of well: on spudding in/ on completion
Jimilly Pty Ltd								
Mascotte No. 1	26 31 27 149 06 41		KB 357 GL 354	6.5.78 17.5.78	Shut-in future gas producer	0 1273	1273	NFW NFD
Dundonnell No. 1	26 41 34 149 01 31		KB 319 GL 316	25.5.78 29.5.78	Abandoned for mechanical reasons.	0 78	78	NFW ABD
Dundonnell No. 1A	26 41 34 149 01 31		KB 323 GL 319	31.5.78 13.6.78	Dry. Plugged and abandoned.	0 1576	1576	NFW ABD
Mount Bassett No. 1	26 27 50 148 51 39		KB 366 GL 363	7.11.78 14.11.78	Dry. Converted to a water well.	0 1058	1058	NFW ABD
Bardloming No. 3	26 44 14 149 02 27		KB 323 GL 320	19.11.78 27.11.78	Dry. Converted to a water well.	0 1464	1464	NFW ABD
Damper Creek No. 1	26 35 08 148 50 62		KB 320 GL 317	30.11.78 6.12.78	Gas shows. Converted to a water well.	0 1179	1179	NFW ABD
Three Mile No. 1	26 35 23 149 03 25		KB 343 GL 340	9.12.78 17.12.78	Dry. Completed as a water well.	0 1484	1484	NFW ABD

NEW SOUTH WALES

No reported activity

VICTORIA

Esso Exploration and Production Australia Inc.

Mackerel A-5	38 28 50.65 148 20 30.03		KB 34 WD 93	1.1.78 30.1.78	Dry. Plugged and abandoned.	0 3604	3604	DEV ABD
Mackerel A-2	38 28 50.65 148 20 30.03		KB 34 WD 93	1.2.78 22.2.78	Completed as an oil producer.	0 3641	3641	DEV DEV
Mackerel A-7	38 28 50.65 148 20 30.03		KB 34 WD 93	5.3.78 26.3.78	Completed as an oil producer.	0 2675	2675	DEV DEV
Mackerel A-4	38 28 50.65 148 20 30.03		KB 34 WD 93	27.3.78 18.4.78	Completed as an oil producer.	0 2801	2801	DEV DEV
Mackerel A-3	38 28 50.65 148 20 30.03		KB 34 WD 93	18.4.78 27.4.78	Completed as an oil producer.	0 2737	2737	DEV DEV
Mackerel A-9	38 28 50.65 148 20 30.03		KB 34 WD 93	3.5.78 6.6.78	Completed as an oil producer.	0 3063	3063	DEV DEV
Mackerel A-8	38 28 50.65 148 20 30.03		KB 34 WD 93	16.6.78 4.8.78	Completed as an oil producer.	0 2783	2783	DEV DEV
Mackerel A-10	38 28 50.65 148 20 30.03		KB 34 WD 93	22.6.78 6.9.78	Completed as an oil producer.	0 3600	3600	DEV DEV
Mackerel A-13	38 28 50.65 148 20 30.03		KB 34 WD 93	9.9.78 9.10.78	Completed as an oil producer.	0 3956	3956	DEV DEV

Well name & number	Lat. Long.	S E (° ' ")	Elevation: reference/ ground (m)	Dates: spudded/ T.D.	Status and results at 31.12.78	Metres From -to	Total	Tentative AAPG classification of well: on spudding in/ on completion
Mackerel A-12	38 28 148 20	50.65 30.03	KB 34 WD 93	13.11.78 4.12.78	Completed as an oil producer.	0 3603	3603	DEV DEV
Mackerel A-11	38 28 148 20	50.65 30.03	KB 34 WD 93	18.10.78 3.11.78	Completed as an oil producer.	0 3322	3322	DEV DEV
Mackerel A-14	38 28 148 20	50.65 30.03	KB 34 WD 93	17.12.78 -	Drilling ahead.	0 2060	2060	DEV -
Tuna A-5	38 10 148 25	16.4 06.4	KB 32.9 WD 59.6	2.10.78 11.11.78	Completed as an oil producer.	0 2103	2103	DEV DEV
Tuna A-15	38 10 148 25	16.4 06.4	KB 32.9 WD 59.6	25.11.78 27.12.78	Completed as an oil producer.	0 2545	2545	DEV DEV
Fortescue No. 1	38 22 148 14	27.81 19.54	KB 25 WD 65	17.6.78 16.7.78	Dry. Plugged and abandoned.	0 2691	2691	NFW ABD
Sweep No. 1	38 03 148 38	27.17 11.31	KB 25 WD 68	18.7.78 27.7.78	Dry. Plugged and abandoned.	0 900	900	NFW ABD
Seahorse No. 1	38 11 147 40	47.95 22.35	KB 25 WD 42	30.7.78 31.8.78	Secured for possible future oil production.	0 2304	2304	NFW NFD
West Halibut No. 1	38 24 148 16	13.28 56.85	KB 25 WD 68	3.9.78 21.9.78	Secured as possible future oil producer.	0 2577	2577	EXT To be determined.
Fortescue No. 2	38 25 148 15	56.96 59.13	KB 25 WD 70	30.10.78 16.11.78	Oil flow confir- med. Plugged and abandoned.	0 2652	2652	EXT EXT
Fortescue No. 3	38 23 148 16	22.88 02.53	KB 25 WD 69	26.11.78 26.12.78	Oil flow confir- med. Plugged and abandoned.	0 2625	2625	EXT EXT
Rockling No. 1	38 27 148 13	34.28 46.24	KB 31 WD 72	27.12.78 -	Drilling ahead.	0 880	880	NFW -

TASMANIA

No reported activity

SOUTH AUSTRALIA

Delhi Petroleum Pty Ltd

Moomba No. 26	28 01 140 14	56 28	KB 41 GL 36	16.12.77 26.1.78	Completed as a gas producer.	2008 2935	927	DEV DEV
Packsaddle No. 2	27 33 140 42	12 14	KB 93 GL 89	2.1.78 8.2.78	Dry. Plugged and abandoned.	0 2713	2713	EXT ABD
Moomba No. 28	28 10 140 15	05 49	KB 36 GL 32	14.1.78 2.2.78	Completed as a gas producer.	0 2512	2512	DEV DEV

Well name & number	Lat. Long.	S E	Elevation: reference/ ground (m)	Dates: spudded/ T.O.	Status and results at 31.12.78	Metres From -to	Total	Tentative AAPG classification of well: on spudding in/ on completion
Munkarie No. 1	28 27 38 140 55 28		KB 86.6 GL 82.6	17.1.78 16.2.78	Completed as a potential gas producer.	0 2345	2345	NFW NFD
Moomba No. 27	28 02 04 140 08 23		KB 54.9 GL 50.9	21.2.78 11.4.78	Completed as a gas producer.	0 3099	3099	DEV DEV
Moomba No. 30	28 13 18 140 11 58		KB 36 GL 32	12.2.78 1.3.78	Completed as a gas producer.	0 2505	2505	DEV DEV
Moomba No. 29	28 07 26 140 07 10		KB 36.6 GL 32.6	20.2.78 6.3.78	Completed as a gas producer.	0 2463	2463	DEV DEV
Coochilara No. 1	28 13 10 140 52 10		KB 79.2 GL 72.0	28.2.78 12.4.78	Dry. Plugged and abandoned.	0 2741	2741	NFW ABD
Moomba No. 31	28 12 38 140 12 55		KB 42.3 GL 38.3	9.3.78 26.3.78	Completed as a gas producer.	0 2515	2515	DEV DEV
Moomba No. 34	28 08 59 140 08 48		KB 46.9 GL 42.9	16.3.78 1.4.78	Completed as a gas producer.	0 2493	2493	DEV DEV
Moomba No. 33	28 11 39 140 15 07		KB 34.7 GL 30.7	4.4.78 21.4.78	Completed as a gas producer.	0 2510	2510	DEV DEV
Big Lake No. 24	28 16 10 140 13 40		KB 39.9 GL 35.9	11.4.78 28.4.78	Completed as a gas producer.	0 2611	2611	DEV DEV
Moomba No. 32	28 11 49 140 12 45		KB 48.8 GL 42.0	23.4.78 7.5.78	Completed as a gas producer.	0 2499	2499	DEV DEV
Moomba No. 35	28 08 52 140 10 33		KB 41 GL 37	24.4.78 11.5.78	Completed as a gas producer.	0 2483	2483	DEV DEV
Moomba No. 36	28 11 26 140 14 06		KB 37 GL 34	29.4.78 14.5.78	Completed as a gas producer.	0 2444	2444	DEV DEV
Big Lake No. 25	28 15 53 140 14 38		KB 37 GL 34	8.5.78 25.5.78	Completed as a gas producer.	0 2610	2610	DEV DEV
Moomba No. 37	28 11 13 140 12 32		KB 41 GL 37	18.5.78 4.6.78	Completed as a gas producer.	0 2457	2457	DEV DEV
Moomba No. 38	28 09 02 140 11 50		KB 37 GL 33	22.5.78 8.6.78	Completed as a gas producer.	0 2499	2499	DEV DEV
Moomba No. 41	28 10 25 140 13 46		KB 42 GL 38	24.5.78 7.6.78	Completed as a gas producer.	0 2463	2463	DEV DEV
Moomba No. 40	28 08 11 140 09 42		KB 38 GL 34	8.6.78 24.6.78	Completed as a gas producer.	0 2488	2488	DEV DEV
Kirby No. 1	27 39 35 140 45 18		KB 103 GL 96	22.6.78 11.10.78	Gas shows. Plugged and abandoned.	0 3866	3866	NFW ABD
Moomba No. 39	28 11 28 140 13 29		KB 40 GL 35	7.7.78 1.8.78	Completed as a gas producer.	0 2444	2444	DEV DEV
Wooloo No. 1	28 15 48 140 01 17		KB 35 GL 30	11.8.78 1.9.78	Gas flow at 9600 m ³ /d. Plugged and abandoned.	0 2327	2327	NFW ABD

Well name & number	Lat. Long.	S E (° ' ")	Elevation: reference/ ground (m)	Dates: spudded/ T.D.	Status and results at 31.12.78	Metres From -to	Total	Tentative AAPG classification of well: on spudding in/ on completion
Strzelecki No. 3	28 14 17 140 39 18		KB 60 GL 55	12.9.78 5.10.78	Completed as an oil producer. Gas shows.	0 1939	1939	EXT NPD
Mudlalee No. 2	28 18 26 140 32 29		KB GL	21.10.78 3.11.78	Plugged and aban- doned. No signif- icant hydrocarbon shows.	0 1917	1917	NFW ABD
Packsaddle No. 3	27 31 32 140 32 29		KB 134 GL 130	14.11.78 11.12.78	Plugged and aban- doned. Small gas show.	0 2487	2487	EXT ABD
Moomba No. 42	28 09 09 140 15 33		KB 41 GL 37	18.12.78 -	Drilling ahead.	0 2326	2326	DEV -

WESTERN AUSTRALIA

Arco Australia Ltd

Frigate No. 1	13 10 48 127 55 25		RT 2 WD 91	4.1.78 13.1.78	Dry. Plugged and abandoned.	0 1584	1584	NFW ABD
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Esso Exploration and Production Aust. Inc.

Houtman No. 1	28 39 55 113 34 35		RT 25 WD 152	27.1.78 5.4.78	Gas shows. Plugged and abandoned.	0 3860	3860	NFW ABD
Batavia No. 1	28 53 59 114 15 36		RT 31 WD 53	13.8.78 20.9.78	Dry. Plugged and abandoned.	0 2941	2941	NFW ABD

West Australian Petroleum Pty Ltd

Warro No. 2	30 10 05 115 44 03		GL 291 RT 299	20.11.77 20.2.78	Gas shows. Plugged and abandoned.	3915 4854	939	NFW ABD
Geelvink No. 1	29 05 47 114 17 55		RT 30 WD 50	30.5.78 10.6.78	Mechanical prob- lems. Plugged and abandoned.	0 1268	1268	NFW ABD
Geelvink No. 1A	29 05 47 114 17 55		RT 30 WD 51	14.6.78 2.7.78	Dry. Plugged and abandoned.	0 3053	3053	NFW ABD
Bundegi No. 1	22 01 06 114 09 33		RT 31 WD 16	4.12.77 21.1.78	Dry. Plugged and abandoned.	2220 3096	876	NFW ABD
Koolinda No. 1	21 23 46 115 03 13		RT 31 WD 18	4.2.78 1.4.78	Gas and oil shows. Plugged and aban- doned.	0 3732	3732	NFW ABD
Mermaid No. 1	20 41 55 115 57 39		RT 31 WD 25	27.4.78 9.5.78	Dry. Plugged and abandoned.	0 1271	1271	NFW ABD
Barrow Island S53	20 49 05 115 22 22		GL 27 RT 38	7.10.78 20.10.78	Oil shows. Plugged and abandoned.	0 802	802	NPT ABD
Barrow Island L51J	20 49 05 115 22 22		GL 40 RT 43	11.11.78 18.12.78	Completed as an oil producer from the Jurassic formation.	0 2135	2135	DPT DPD
Barrow Island B17A	20 51 33 115 21 47		GL 8 RT 10	23.8.78 7.9.78	Completed as an oil producer.	0 680	680	DEV DEV

Well name & number	Lat. Long.	S E (° ' ")	Elevation: reference/ ground (m)	Dates: spudded/ T.D.	Status and results at 31.12.78	Metres From -to	Total	Tentative AAPG classification of well: on spudding in/ on completion
Barrow Island B23A	20 51 45 115 20 49		GL 11 RT 14	7.8.78 16.8.78	Completed as an oil producer.	0 727	727	DEV DEV
Barrow Island B31A	20 51 58 115 20 21		GL 7 RT 10	13.7.78 2.8.78	Completed as an oil producer.	0 757	757	DEV DEV
Barrow Island F14G	20 49 52 115 23 05		GL 45 RT 48	11.9.78 18.9.78	Well shut-in.	0 412	412	SPT To be determined.
Barrow Island L82G	20 49 40 115 22 41		GL 37 RT 40	20.9.78 27.9.78	Completed as an oil producer.	0 514	514	NPT NPD
Barrow Island L44G	20 48 50 115 23 02		GL 47 RT 50	25.10.78 2.11.78	Completed as an oil producer.	0 543	543	EXT DEV
Barrow Island B17T	20 51 33 115 21 47		GL 8 RT 11	6.11.78 9.11.78	Plugged and abandoned.	0 76	76	SPT ABD
Woodside Petroleum Development Pty Ltd								
Jarman No. 1	19 07 23 117 20 42		RT 8 WD 134	17.1.78 28.2.78	Dry. Plugged and abandoned.	0 2906	2906	NFW ABD
Miller No. 1	19 34 45 116 09 55		RT 8 WD 121	6.3.78 12.5.78	Gas extension of N. Rankin field. Plugged and abandoned.	0 3520	3520	NFW EXT
Brigadier No. 1	19 05 49 116 08 09		RT 8 WD 312	2.8.78 9.10.78	Dry. Plugged and abandoned.	0 4292	4292	NFW ABD
Finucane No. 1	19 17 25 116 45 54		RT 8 WD 139	21.10.78 29.11.78	Dry. Plugged and abandoned.	0 3301	3301	NFW ABD
Goodwyn No. 5	19 40 42 115 53 45		RT 8 WD 129	5.12.78 -	Drilling ahead.	0 2917	2917	EXT -
Caswell No. 1	14 14 29 122 28 04		RT 8 WD 345	16.8.77 2.1.78	Gas and oil shows. Plugged and aban- doned.	4041 4097	56	NFW ABD

NORTHERN TERRITORY

Arco Australia Ltd

East Swan No. 1	12 18 07 124 34 56		KB 21 WD 103	21.1.78 19.3.78	Plugged and aban- doned. Minor gas shows.	0 3039	3039	NFW ABD
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North Broken Hill Holdings Ltd/Beach Petroleum N.L.

Colson No. 1	25 58 15 136 40 00		GL 80 RT 87	19.11.78 12.12.78	Plugged and aban- doned. Very small gas show.	0 2433	2433	NFW ABD
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Woodside Petroleum Development Pty Ltd

Bassett No. 1	13 18 40.3 123 25 35.7		KB 8 WD 371	26.5.78 5.6.78	Plugged and aban- doned due to mech- anical difficulties.	0 949	949	NFW ABD
Bassett No. 1A	13 18 40.3 123 25 35.7		KB 8 WD 371	19.6.78 23.7.78	Plugged and aban- doned. Minor hydrocarbon shows.	0 2706	2706	NFW ABD

APPENDIX: TENTATIVE AAPG/APEA CLASSIFICATION OF WELLS

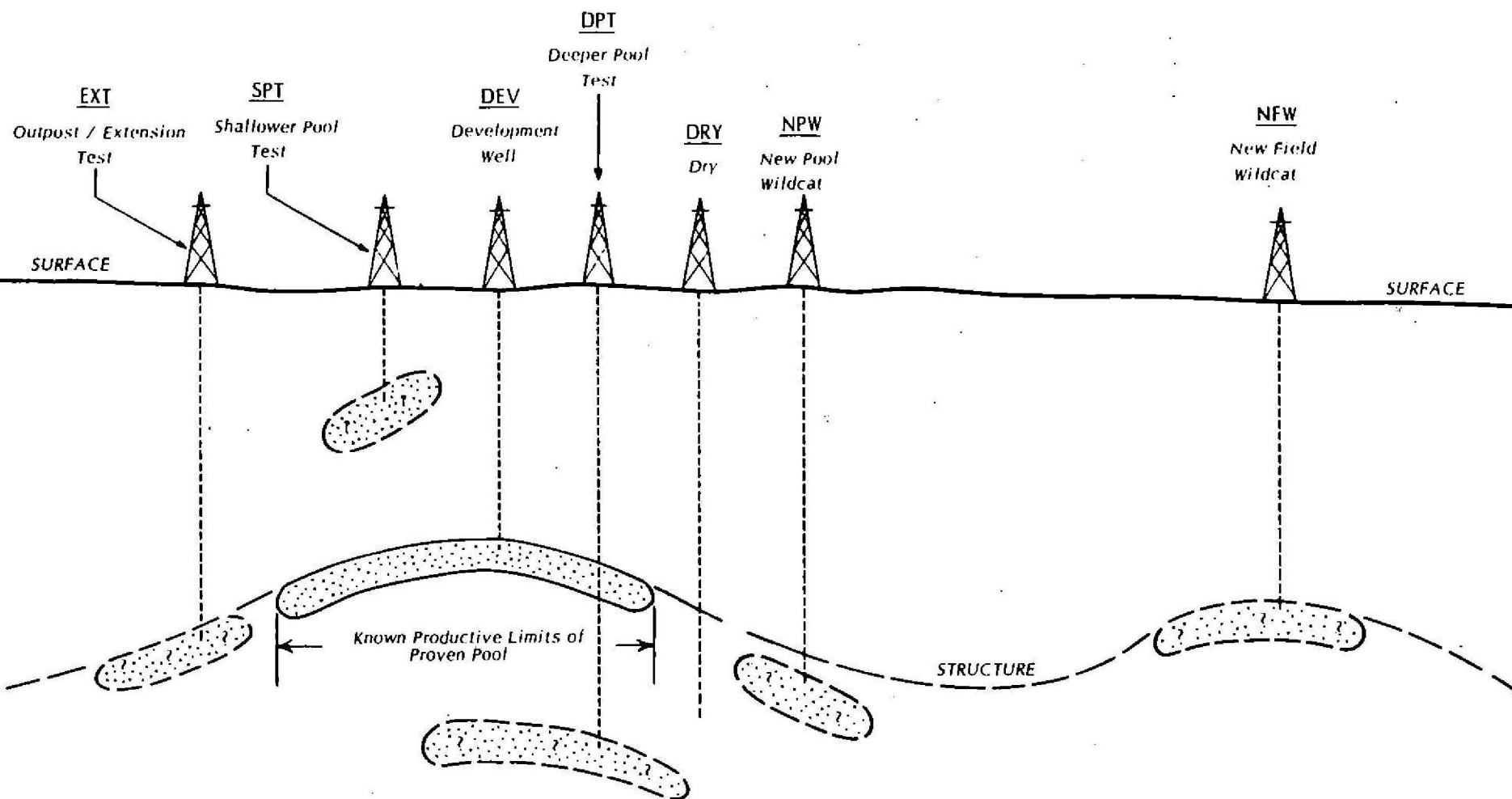
- NPW - NEW FIELD WILDCAT - A new field wildcat is located far from producing pools, and on a structure which has not produced before. In regions where local structure has little or no control over accumulation, these holes are generally at least two miles from the nearest productive area. Distance, however, is not the determining factor. The classification is based on the degree of risk assumed by the operator, and his intention to test a structure or stratigraphic condition not previously proven productive.
- NPW - NEW-POOL (Pay) WILDCAT - A new pool wildcat is located to explore for new pools on a structure already producing, but off to one side of the presently producing area. In some regions where local structure is almost negligible as a control, exploration holes of this group may be called 'near wildcats'. Such will usually be less than two miles from the nearest productive area. Sometimes a new pool wildcat may extend a pool already developed; if so its final classification is an 'Extension'.
- DPT - DEEPER-POOL (Pay) TEST - A deeper-pool test is an exploratory hole located within a productive area of a pool, or pools, already partly or wholly developed. It is drilled below the deepest such pool penetrated by it in order to explore for deeper unknown prospects. Sometimes such a hole extends a deeper pool which has been partly developed in another part of the field.
- SPT - SHALLOWER-POOL (Pay) TEST - A shallower-pool test is exploratory only if drilled in search of some new productive reservoir, unknown but possibly suspected from data secured from other wells. The test must be located within the productive area of a pool, or pools, previously developed. Sometimes such a test extends a shallower-pool partly developed elsewhere in the same field.

- EXT - OUTPOST OR EXTENSION TEST - An outpost or extension test is located and drilled with the expectation of extending for a considerable distance the productive area of a partly developed pool. It is usually two or more locations distant from the nearest productive area. Sometimes an outpost discovers a new pool.
- DEV - DEVELOPMENT WELL - A well drilled to exploit a hydrocarbon accumulation discovered by previous drilling.
- STR - STRATIGRAPHIC TEST - A drilling effort, geologically directed, to obtain information pertaining to a specific earth condition that might lead toward a possible accumulation of hydrocarbons. It must be drilled without the intention of being completed for hydrocarbon production. This classification includes tests identified as 'core tests' by some operators.
- SRV - SERVICE WELL - A well that is either drilled or completed for the purpose of supporting production of an existing field through observation, injection, water supply, etc.
- MSC - MISCELLANEOUS - Any test drilled that does not fit one of the above classifications. Two types are Waste Disposal (WD) and Gas Storage (GS) test or well.
- ABD - ABANDONED - This term has been substituted for the term DRY for unsuccessful wells used previously. The term ABD refers to the mechanical condition of the well after drilling.

Possibilities chart

Classification when started	Classification after completion or abandonment	
	Completed	Abandoned (ABD)
Wells intended for completion as hydrocarbon producers		
NFW - New Field Wildcat	NFD - New Field Discovery	ABD - Dry New Field Wildcat
NPW - New Pool Wildcat	NPD - New Pool Discovery or EXT - Outpost/Extension Well	ABD - Dry New Pool Wildcat
DPT - Deeper Pool Test	DPD - Deeper Pool Discovery or DPE - Deeper Pool Extension	ABD - Dry Deeper Pool Wildcat
SPT - Shallower Pool Test	SPD - Shallower Pool Discovery or SPE - Shallow Pool Extension	ABD - Dry Shallow Pool Test
EXT - Outpost/Extension Test	NPD - New Pool Discovery or EXT - Extension Well	ABD - Dry Outpost/Extension Test
DEV - Development Well	NPD - New Pool Discovery or DEV - Development Well	ABD - Dry Development Well
Wells not intended for completion as hydrocarbon producers		
STR - Stratigraphic/Core Test	Will not generally be completed	STR - Abandoned Stratigraphic/Core Test
SRV - Service Well	See Notes: Classify as OBS - observation; WI - water injection, GI - Gas injection, etc.	SRV - Abandoned service well
MSC - Miscellaneous	See Notes: Classify as WD - waste disposal; GS - gas storage, etc.	MSC - Abandoned Miscellaneous well.

FIG. 1 WELL CLASSIFICATION - EXPLANATORY CHART



NOTE: In the above chart, the well shown as 'DEV Development well' would naturally have been preceded by an 'NFW New Field wildcat' but, for clarity, this well has been omitted.