

BMR Record 1991/80

Petroleum exploration and development in Australia - activity and results, 1989

Prepared by the Petroleum Resource Assessment Branch of the Petroleum and Marine Geoscience Group, Bureau of Mineral Resources, Geology and Geophysics, Canberra



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INTRODUCTION

This report has been prepared by staff of the Petroleum Resource Assessment Branch of BMR. The functions of the Branch include monitoring petroleum exploration and development activity, preparation of estimates of petroleum reserves and resources and their availability through time, and provision of technical advice in relation to Commonwealth legislation and policies concerning petroleum exploration, development and production.

The report provides a summary of petroleum exploration and development activity in Australia during 1989. It also summarises BMR's assessments of Australia's identified petroleum resources (reserves) and undiscovered petroleum resource potential.

The report summarises activity in 1989 in each of the major onshore and offshore sedimentary basins, and includes a summary of the number of wells and metres drilled to the end of 1989, a table of discoveries of petroleum in 1989, and a list of the major events in the history of the Australian petroleum industry.

1989 IN RETROSPECT

Expenditure on both petroleum exploration and development in Australia increased in 1989 compared with 1988. The number of onshore exploration wells declined substantially to just over half the number in 1988, but exploration wells drilled offshore increased. There were also increases in the numbers of development wells, both onshore and offshore. Seismic survey activity declined markedly onshore, particularly in South Australia, but rose substantially offshore, with an overall rise to its highest level in 4 years.

The highest proportion of exploration wells continued to be drilled in the Eromanga Basin and its infrabasins - the Adavale, Cooper and Galilee Basins. Other onshore basins which were actively explored were the Amadeus, Bowen/Surat, Canning, Carnarvon, Georgina, McArthur, Otway and Perth Basins. Most offshore exploration wells were in the Bonaparte and Gippsland Basins: exploration wells were also drilled in the offshore Carnarvon and Browse Basins. Onshore seismic surveys were mainly in the Cooper/Eromanga and Bowen/Surat Basins, and offshore surveys were mainly in the Gippsland, Bonaparte and Carnarvon Basins.

Forty-one oil, gas and condensate discoveries were made during 1988; 22 oil, 6 gas, and 3 gas/condensate discoveries were made onshore, and 5 oil, 3 oil and gas and 2 gas/condensate discoveries were made offshore. Additions to demonstrated resources resulting from discoveries were insignificant compared to upward revisions of resources in known fields, and to changes resulting from production.

Development wells completed onshore were mainly in the Cooper/Eromanga
Basins, but development wells were also drilled in the Carnarvon Basin
(Barrow Island), Bowen/Surat and Amadeus Basins. Most offshore
development wells were in the Gippsland Basin: drilling continued at the
Bream field (9 wells), with drilling also at the Whiting and Perch fields.

Elsewhere, development wells were drilled at the Saladin, Chervil, South Pepper and North Rankin fields in the offshore Carnarvon Basin and the Jabiru and Challis fields in the Bonaparte Basin.

Several major offshore development projects were completed to production/ operation stage during 1989. The second phase of the North West Shelf gas project began production, and production commenced from the Talisman and Saladin oil fields. Proposals to develop the nearby Wanaea, Cossack, Yamaderry and Cowle oil fields were made. Development of the Skua field is also planned.

Onshore, gas pipelines from the Denison Trough and Walumbilla field to Gladstone, and from Port Pirie to Whyalla were opened in November and May respectively.

PETROLEUM GEOLOGY, RESOURCES AND PRODUCTION

Geology

Sedimentary rocks ranging in age from Proterozoic to Cainozoic underlie about 4.3 million $\rm km^2$ or about one half of the land area of Australia, and about another 2 million $\rm km^2$ of the continental shelf (Fig. 1). Forty-eight sedimentary basins are presently recognised, 20 of which lie wholly or partly offshore.

Proterozoic and early-mid Palaeozoic basins occur mainly in the central and western parts of the continent and in some places extend offshore. Basins that have developed during the late Palaeozoic and Mesozoic underlie large areas of eastern Australia, and extend onshore and offshore around the continental margins. Tertiary strata overlie many of the older basins. The Tertiary basins, and basins that continued to develop into the Tertiary, are mostly distributed along the southern coastline.

Australia's petroleum reservoirs range in age from Precambrian to early Tertiary. Most of the oil resources discovered so far are in offshore early Tertiary reservoirs in the Gippsland Basin. The petroleum reservoirs in the Carnarvon and Browse Basins are Mesozoic, and both Mesozoic and Permian reservoirs exist in the Bonaparte Basin. Onshore, petroleum occurs in Jurassic and Cretaceous reservoirs in the Eromanga Basin, and Jurassic reservoirs in the Surat Basin. The reservoirs are of Permian and Triassic age in the Perth, Bowen, and Cooper Basins, and in the Canning and Adavale Basins which are of Permian and Devonian, and Devonian age respectively. Late Precambrian to late Ordovician reservoirs occur in the Amadeus Basin.

The early-mid Palaeozoic reservoirs in the Amadeus and Adavale Basins are in shallow-marine sedimentary sequences. However, most of Australia's petroleum resources have been discovered in Tertiary, Mesozoic, and late Palaeozoic sequences that were deposited in marginal marine or non-marine environments and which commonly contain extensive coal measures.

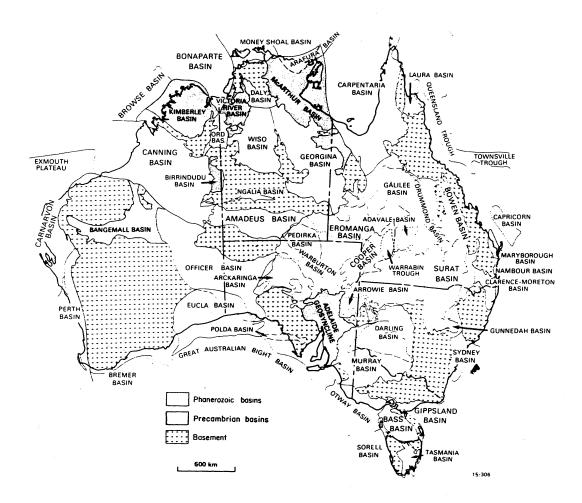
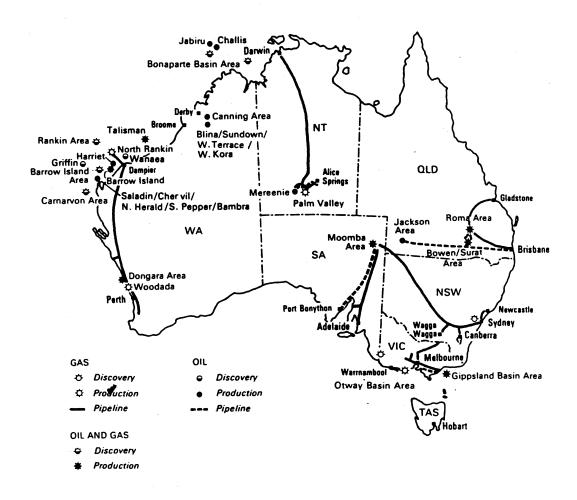


Fig. 1. Australia's sedimentary basins. Basement denotes regions generally unprospective for petroleum - mainly areas underlain by crystalline rocks or by tightly folded or metamorphosed strata. The dashed lines are boundaries of concealed basins; locally relationships are complex, e.g. the Galilee Basin overlies the Adavale Basin and underlies the Eromanga Basin.



FIELD DISCOVERIES IN 1989

OFFSHORE	ONSHORE	
Bonaparte/Browse	Moomba Area	⊖ Corrella 1
Basin Area	→ Alwyn 1	
Talbot 1	Amyema 1	⊖ Gidgee 1
→ Kalyptea 1	Arrakis North 1	→ Mahi 1
Carnarvon Area	☼ Atreides 1	Maxwell South 1
→ Wanaea 1	Lycium 1	→ Muthero 1
🗢 Chinook 1	Marsilea 1	→ North Ipundu 1
🗢 Cowle 1	O Mettika 1	→ Pinaroo 1
Gippsland Basin Area	Spencer West 1	→ Wandilo 1
O Anemone 1	Jackson Area	Otway Basin Area
☼ Angler 1	→ Bowen 1	Ladbroke Grove 1
→ Blackback 1		
→ Mulloway 1		

Fig. 2. Location of oil and gas production, pipelines and discoveries in 1989.

☼ Sweetlips 1

Resources

Most of Australia's identified resources of crude oil occur in the Gippsland Basin (Fig. 2, Table 1); smaller amounts exist in the Amadeus, Bonaparte, Carnarvon, Cooper, and Eromanga Basins. Most identified resources of natural gas occur in the Bonaparte, Carnarvon (inc. Exmouth Plateau), Cooper and Gippsland Basins. Gas has been discovered in all basins known to contain resources of crude oil and additionally in the Adavale, Bass, Browse and Otway Basins.

Estimates of Australia's recoverable resources of crude oil, condensate, liquefied petroleum gas (LPG), and sales gas are shown in Tables 1 & 2 (see also Figure 3). Table 1 and 2 are based on the Traditional Petroleum Industry classification, which subdivides resources into two categories based on current commercial viability. Categories 1 and 2 are defined in Table 1.

Exploration Potential

BMR assessed Australia's undiscovered crude oil and sales gas resources in 1986. An assessment of undiscovered condensate was made in 1987 and revised in 1988.

The assessment of petroleum resources indicates an 80 percent chance of finding at least another 190 x $10^6 \,\mathrm{m}^3$ (1200 x 10^6 barrels) of crude oil and a 20 percent chance of finding more than another 460 x $10^6 \,\mathrm{m}^3$ (2900 x 10^6 barrels). The average of the estimate is $380 \times 10^6 \,\mathrm{m}^3$ (2400 x 10^6 barrels) of crude oil. The gas assessment indicates an 80 percent chance of finding at least another 400 x $10^9 \,\mathrm{m}^3$ (14 TCF) of sales gas and a 20 percent chance of finding more than another 820 x $10^9 \,\mathrm{m}^3$ (29 TCF). The average of the assessment is 650 x $10^9 \,\mathrm{m}^3$ (23 TCF).

The latest condensate assessment indicates an 80 percent chance of finding at least another 50 x $10^6 \,\mathrm{m}^3$ (320 x 10^6 barrels) of condensate and a

20 percent chance of finding more than another $100 \times 10^6 \text{m}^3$ (630 x 10^6 barrels). The average of the assessment is $80 \times 10^6 \text{m}^3$ (500 x 10^6 barrels).

The assessments refer to the oil and gas resources, remaining to be discovered in Australia's Phanerozoic sedimentary rocks, that could be brought into production within the next 20 to 25 years. They exclude new pool discoveries that may be made in Australia's identified fields and accumulations that may occur in deep-water or remote areas along parts of Australia's southern margin and in the offshore territories.

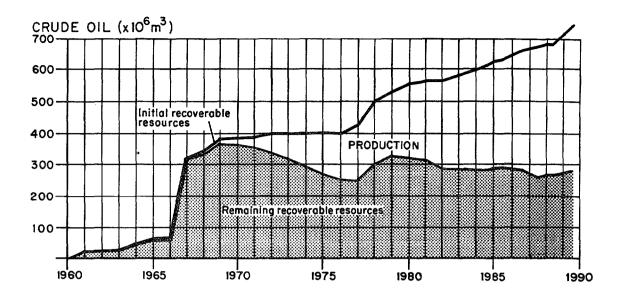
Production

Commercial production of oil began in Australia in 1964, from the Moonie field in the Surat Basin (Fig. 1, Table 2). Production from Barrow Island (Carnarvon Basin) began in 1967, and from Bass Strait (Gippsland Basin) in 1969. The Gippsland Basin is the major source of petroleum liquids in Australia and with the completion of a liquids pipeline from Moomba to Stony Point in 1982 and the Jackson to Moonie pipeline in 1983, the Cooper/Eromanga Basins are presently the nation's second largest producer of liquids.

Natural gas was first delivered to Brisbane, Melbourne, and Adelaide in 1969 from the Surat, Gippsland, and Cooper Basins respectively. In 1983 the Palm Valley field in the Amadeus Basin began supplying gas to the Alice Springs power station, and in 1984 North West Shelf gas reached the Perth market to supplement the gas from the Dongara field (Perth Basin) which first supplied gas to Perth in 1971. Since 1976 Sydney has received gas from the Moomba and adjoining fields (Cooper Basin). Other major centres, particularly in Victoria and New South Wales, have also been connected to gas supplies. A 1600 km gas pipeline from Palm Valley supplies gas to the Channel Island power station at Darwin, to Tennant Creek, and to Katherine (Fig. 2).

In 1988-89, Australia's crude oil and condensate production was $28.3 \times 10^6 \mathrm{m}^3$ (177 x 10^6 barrels), corresponding to an average rate of about 77 500 m^3/d (487 000 bbls/d); this was 9 percent less than production for the previous year. Production from the Bass Strait fields decreased from 73 percent in the previous year to 66 percent of Australia's total production. This is a reflection of the continuing depletion of the Kingfish and Halibut fields and increases in production from the Jabiru and Challis fields in the Bonaparte Basin, and from fields in the Carnaryon Basin.

Australia's production of sales gas increased by nearly 3 percent compared to the preceding year while the production of LPG decreased marginally.



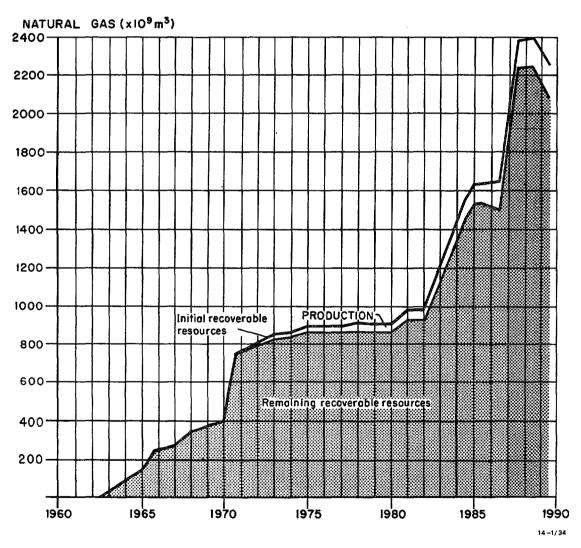
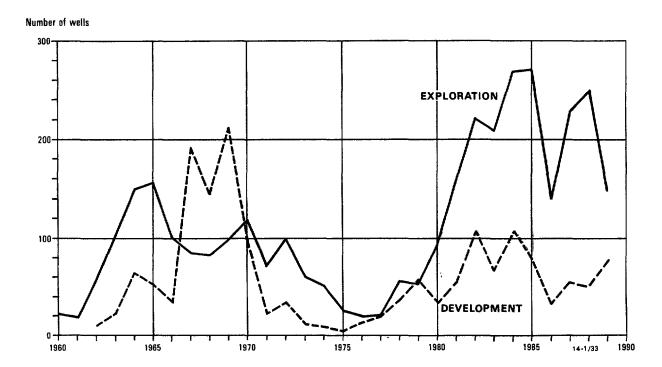


Fig. 3. Australia's demonstrated recoverable resources of crude oil and natural gas. Remaining recoverable resources at 30 June 1989 were: crude oil $_3^{284}$ million $_3^{3}$; (natural gas) sales gas 2082 billion $_3^{3}$.



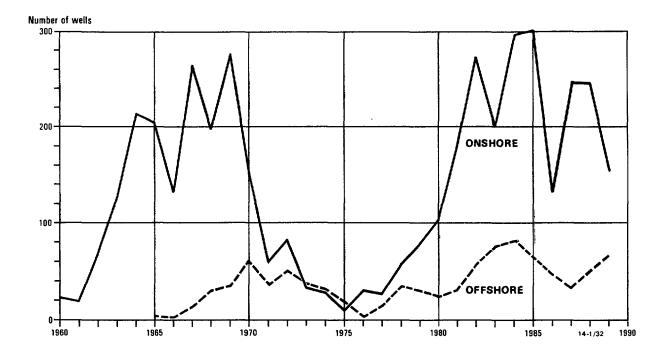


Fig. 4. Petroleum exploration and development, onshore and offshore wells drilled in Australia 1960-1989.

SUMMARY OF PETROLEUM EXPLORATION IN 1989

About \$560 million was spent on exploration in 1989 compared with \$503 million in 1988 and \$353 million in 1987. A total of 224 wells were drilled in 1989 of which 148 were exploration wells. Onshore, 109 wells were drilled of which 60 were new field wildcat wells. Offshore drilling accounted for 39 wells, of which 28 were new field wildcat wells.

Onshore exploration drilling was concentrated in the Eromanga Basin and its infrabasins, mainly the Cooper Basin, in which 73 of the onshore exploration wells (77 percent) were drilled. Other onshore exploration wells were drilled in the Amadeus (1 well), Bowen/Surat (20 wells), Canning (2 wells), Carnarvon (2 wells), Georgina (1 well), McArthur (3 wells), Otway (5 wells) and Perth (2 wells) Basins. Onshore exploration drilling resulted in 16 oil discoveries, 6 gas discoveries and 3 gas/condensate discoveries. Extensions to known fields in the Amadeus, Bowen/Surat, Cooper/Eromanga, Otway and Perth Basins were proved by appraisal drilling programs.

The Cooper/Eromanga and its infrabasins were again the most active onshore exploration areas in 1989 and accounted for 23 of the 25 onshore petroleum discoveries. Thirteen of these discoveries were in Queensland and 10 in South Australia. Two onshore petroleum discoveries were in the Otway Basin of South Australia.

Offshore exploration drilling was carried out in the Bonaparte (19 wells), Carnarvon (7 wells), Gippsland (12 wells) and Browse (one well) Basins.

Offshore exploration drilling resulted in 5 oil, 3 oil & gas and

2 gas/condensate discoveries. Appraisal drilling was carried out in the Bonaparte Basin at the East Swan, Jabiru and Skua accumulations; Carnarvon Basin at the Avocet, Chervil and Turtle fields; Gippsland Basin at the Blackback and Bream fields. Appraisal drilling at the Jabiru field has confirmed the southwest extent of the field after intersecting a 47 metre oil column.

Statistics relating to petroleum exploration and development activity in recent years are given in Figure 4 and the appendices.

Discoveries of petroleum in 1989 are listed in Table 4.

SUMMARY OF PETROLEUM DEVELOPMENT IN 1989

The level of development drilling activity increased substantially in 1989 compared with 1988, a total of 76 development wells was drilled - 47 onshore and 29 offshore. Development and production expenditure was \$1378 million.

Of the 47 onshore development wells drilled, 24 were in the Cooper/Eromanga Basins, 9 in the Bowen/Surat Basins, 13 in the Carnarvon Basin and 1 in the Amadeus Basin. Offshore, the 29 development wells comprised 18 in the Gippsland Basin, 9 in the Carnarvon Basin and 2 in the Bonaparte Basin (Timor Sea area).

Queensland

A total of 20 development wells was drilled in 1989, the highest number for over 10 years. Santos continued development drilling in several Eromanga basin oilfields and AGL, CSR and Bridge continued oil and gas development drilling in Surat Basin oil and gas fields. Production from the Taylor field through permanent production facilities commenced in October 1989.

The pipeline from the Denison Trough and the Wallumbilla field to Gladstone was completed in November 1989. Gas was available for flow to Gladstone in December 1989. An extension of this pipeline to Rockhampton is proposed. Approval in principle has been given for the supply of 300 petajoules of natural gas to South Australian markets from fields in southwest Queensland.

The viability of commercial extraction of methane gas from coal seams in the northern Bowen basin is being examined. Exploration and production testing are continuing.

South Australia

All 13 development wells drilled were onshore. Two each were at the Gidgealpa oil/gas/condensate field and the Jena and Tirrawarra oil fields. Three were in the Spencer oil field and one each in the Merrimelia, Pelican, Sturt and Sturt East fields.

A pipeline supplying natural gas to Whyalla from Port Pirie was officially opened in May 1989.

Following the Katnook gas discovery, proposals to supply the Mt Gambier and possibly the Adelaide markets with gas are being investigated.

Victoria

In 1989, 18 development wells were drilled, the highest number since 1984. Development drilling in the Bream oil and gas field continued with nine additional wells. Two wells were redrilled from the Fortescue platform to new targets. The Perch-3 well and the five Whiting mini-platform wells were also drilled from the Maersk Giant jackup rig.

Western Australia

A total of 22 development wells was drilled in Western Australia in 1989.

Of these, 13 were oil wells on Barrow Island. Offshore, 9 wells were

drilled: 3 in the Saladin oil field, 2 in the Chervil oil field, 1 in the

South Pepper oil field and 3 in the North Rankin gas/condensate field.

Phase 2 (the LNG export phase) of the North West Shelf project began production in July 1989 and will produce up to 7 million tonnes per year of LNG for sale to Japan.

Talisman field production commenced in July 1989 from the Talisman-1 subsea completion to the Acqua Blu floating production facility. A second Talisman producing well is being planned.

The feasibility of gas gathering from the Harriet, Bambra, Campbella nd Rosette discoveries is being evaluated.

Production from the Saladin oilfield commenced in November 1989 and Yamaderry and Cowle developments are under review for startup in 1991.

WAPET have recommended drilling and workovers in the Dongara field.

Design of facilities for the Tubridgi field is proceeding with a startup date of July 1991 planned.

Development of the Wanaea and Cossack oil fields is being planned.

Northern Territory

Three development wells were drilled: 1 gas well in the Palm Valley field and 2 wells offshore, 1 each in the Challis and Jabiru oil fields.

Production rates from the Jabiru and Challis fields increased during the year and the area now is now the third largest producing province of Australia.

Skua development is being planned for production to a floating facility.

MAJOR ACTIVITIES IN 1989

Onshore Basins (including WA Territorial Sea)

Amadeus Basin (NT)

Gosses Bluff No. 2, the second well in the Gosses Bluff comet impact structure, was a dry hole. One development well was drilled in the Palm Valley gas field.

Bowen/Surat Basins (Qld, NSW)

Both exploration and development drilling continued at about the levels of 1988. Ten new field wildcat wells were drilled, but all were dry. Only one of these was in the Denison Trough.

Nine appraisal and 9 development wells were drilled. Development and appraisal drilling on the Taylor field continued, but only two of the 6 wells drilled were completed for production. Taylor No. 11 was completed as an oil and gas producer from the Showgrounds Sandstone.

The conclusion of a gas purchase agreement between Queensland Alumina
Limited and Denison Trough Joint Venturers AGL Petroleum Operations Pty
Ltd and Oil Company of Australia NL is expected to result in new
exploration activity in the Denison Trough to increase reserves.

Potential for production from the Reids Dome Beds by fracture stimulation
of tight gas reservoirs is also planned for investigation.

Canning Basin (WA)

Two exploration wells, Cudalgarra North No. 1 and Setaria No. 1, were plugged and abandoned as dry holes.

Carnarvon Basin (WA)

Four exploration wells were drilled onshore in the Carnarvon Basin. One well, Cowle No. 1, drilled 5 km south of the Saladin oilfield in WA Territorial Sea, was a mjaor oil and gas discovery. The well flowed at a rate of $1015.4 \text{ m}^3/\text{d}$ (6390 bbls/d) of oil, and $55217.9 \text{ m}^3/\text{d}$ (1.95 x 10^6 ft $^3/\text{d}$) of gas from a production test in the top of the Barrow Group. The well has been suspended.

Rivoli No. 1, located approximately 20 km southeast of North West Cape, encountered a 17 m thick reservoir section in the Cretaceous Birdrong Sandstone. Testing confirmed a 10 m gas column, and the well was plugged and abandoned. Two other wells, Somelim No. 1 and Tent Hill No. 1, were both plugged and abandoned as dry holes.

Cooper/Eromanga Basins (SA, Qld)

Exploration and development activity declined in the Cooper and overlying Eromanga Basins in 1989, a total of 73 wells being drilled. Extensive floods during the year disrupted field operations and led to deferral of planned programs. The number of exploration wells in South Australia was about the same as in Queensland, but the number of appraisal wells in South Australia was nearly four times greater than in Queensland.

Of the 37 exploration wells drilled, a total of 19 new field discoveries was made. The discovery rate of 1:2 is slightly improved on the discovery rate of 1:2.5 in 1988. The discoveries were mainly oil accumulations in the Eromanga Basin sequence in Queensland. Hydrocarbons were found in more than one formation in several fields.

Drilling in the Eromanga Basin sequence in Queensland was directed mainly towards Hutton Sandstone targets in anticlinal traps, southwest of the Jackson field. A test of Wandilo No. 1 recovered 42 barrels of oil at top

Hutton level, while an open hole drill stem test over a basal Hutton sandstone flowed oil and water to the surface at $15~\text{m}^3/\text{d}$ (96 bbls/d). Bowen No. 1 encountered oil at four stratigraphic levels in the Eromanga sequence. Tests were carried out on the Namur, Hutton and Adori Sandstones and the Westbourne Formation. The Adori Sandstone, in which the well was completed as an oil producer, flowed 49 API oil at 540 m^3/d (3400 bbls/d) in an open hole drill stem test.

A number of wells had targets in the basal Jurassic and deeper sections. Gidgee No. 1, west of the Munro field, discovered in 1988, recorded hydrocarbon shows in the Murta Member, Hutton Sandstone and Patchawarra Formation, but was completed as an oil producer in the Hutton Sandstone. The Gidgee and Munro fields are the most southerly in the Eromanga Basin in Queensland, lying close to the basin margin. Mahl No. 1 was designed to test the Early Permian Tirrawarra Sandstone north of the Pepita trend in a fault trap. The target sandstone was water saturated, but an open hole drill stem test recovered 221 m of oil and oil cut mud from a sandstone within the Triassic Tinchoo Formation. Mahl No. 1 was plugged and abandoned. Naccowlah South No. 12, a Hutton Sandstone development well, was deepened into the Permian to further evaluate the basal Jurassic and Toolachee sections. A drill stem test of a new basal Jurassic pool flowed 45.9 API oil to the surface at an average rate of 76 m^3/d (480 bbls/d). In addition, an oil leg to the previously defined Toolachee dry gas accumulation was discovered following a drill stem test which flowed 16 m^3/d (104 bbls/d) of 33.3 API oil in addition to 181 x 10^3 m^3/d (1.6 x 10⁶ ft³/d) of gas. This oil discovery in the Toolachee gas reservoir has further enhanced prospects of Permian oil along the Jackson-Naccowlah- Pepita trend. Naccowlah South No. 12 was completed as a dual Hutton/basal Jurassic oil producer.

In the Cooper Basin in South Australia, exploration drilling was concentrated in areas in the southwest of the basin, and near the Queensland border in the east. A number of new gas fields were discovered in the Patchawarra Formation in the eastern area (Mettika, Amyema, Marsilea). Mettika No. 1 and Amyema No. 1 flowed small amounts of condensate with gas during testing. Arrakis North No. 1 and Atreides No. 1, drilled on the western margin of the Nappamerri Trough, tested gas in the Epsilon Formation and Patchawarra Formation respectively.

In the Eromanga sequence in South Australia, Spencer West No. 1 flowed oil from the Namur Sandstone at the rate of 273 m³/d (1717 bbls/d) during drill stem testing; oil was recovered from the Birkhead Formation.

Appraisal drilling on the Jena field resulted in the discovery of a new oil pool in the Coorikiana Sandstone, but the well was completed for production from the Murta Member. Alwyn No. 3 was a new pool discovery in the McKinlay Member and was completed as an oil producer in both the Murta and McKinlay members.

Gippsland Basin (Vic)

No wells were drilled in the onshore Gippsland Basin in 1989.

McArthur Basin (NT)

Stratigraphic drilling continued in the central McArthur Basin to evaluate the petroleum potential of the Middle Proterozoic sequence.

Otway Basin (SA, Vic)

Four new field wildcat wells and two appraisal wells were drilled in the onshore Otway Basin in 1989.

Activity onshore was concentrated in the Gambier Embayment where the 1987 Katnook gas field discovery in the Penola Trough in South Australia has acted as a spur to exploration. The successful Katnook No. 3 appraisal well flowed gas from the Lower Cretaceous Pretty Hill Sandstone at a rate of nearly 0.72 m x 10^6 m³/d (25.4 x 10^6 m³/d) in a production test, a record for an Australian onshore well. The four new field wildcat wells were also located in the Gambier Embayment. Ladbroke Grove No. 1 located some 2 km south of the Katnook field, discovered gas in the Pretty Hill Sandstone, but most production tests were inconclusive due to mechanical problems. Laira No. 1, drilled some 12 km to west of the Katnook field, recorded gas shows in the main objective (? Pretty Hill Sandstone), but production tests showed the zone to be water wet. Bool Lagoon No. 1, also drilled in the South Australian area of the Gambier Embayment, was a dry hole. McEachern No. 1, located in Victoria, was in progress at the end of 1989, and subsequently plugged and abandoned as a dry hole. Windermere No. 2, located in Victoria in the Tyrendarra Embayment, was an unsuccessful appraisal well for the 1987 Windermere No. 1 oil discovery in the Lower Cretaceous section. Production tests in Windermere No. 2 were disappointing and the well was plugged and abandoned as a dry hole.

Pedirka Basin (SA)

Three drill stem tests were run in the Poolawanna Formation in Poolawanna No. 3, but only minor gas was recovered. The well was plugged and abandoned.

Perth Basin (WA)

No exploration drilling took place in the Perth Basin in 1989.

Development drilling continued on the Mt Horner field.

Offshore Basins

Bonaparte/Browse Basins (WA, NT)

Twelve new field wildcat wells were drilled in the Bonaparte/Browse Basins, but only one significant discovery was made. Talbot No. 1, in the eastern part of the Vulcan Sub-basin, discovered oil in the Challis Formation. The well flowed oil at a rate of $792 \text{ m}^3/\text{d}$ (4981 bbls/d) accompanied by $105 \times 10^6 \text{ m}^3/\text{d}$ (3.7 x $10^6 \text{ft}^3/\text{d}$) of gas. Oil was encountered in Kalyptea No. 1, in the northern Browse Basin, but the well was plugged and abandoned.

Barnett No. 2, an appraisal well on the Barnett structure, intersected a 26 m oil column and was completed as an oil producer. Barnett No. 1, the first well on the structure, found only minor oil shows in the target the Kulshill Group. Barnett No. 2 tested the updip potential of the structure.

Production drilling continued on the Jabiru and Challis fields.

Carnarvon Basin (WA)

Five exploration wells were drilled in the offshore part of the Carnarvon Basin during 1989, resulting in two significant oil discoveries. Chinook No. 1, located 7 km northwest of Hilda No. 1A, was drilled to test Cretaceous Barrow Group, and top Triassic sands. The well intersected a significant oil column in the top Barrow Group, which flowed at a rate of 1019 kl (6412 barrels) per day of light (52 API) oil, with a gas cap in the overlying Mardie Greensand, which flowed at a rate of 122 000.5 $\rm m^3/d$ (4.3 x $10^6 \rm ft^3/d$).

The other major discovery was in the Wanaea No. 1 well, which was located on the Madeleine Trend in the northern part of the Dampier Sub-basin, 25 km east of the North Rankin "A" gas production platform. The well intersected a 100 m oil column in Late Jurassic to Early Cretaceous sands,

which flowed at a rate of 874 m³/d (5500 bbls/d) from a production test. Reserves have been estimated to be as much as 40 million m³ (250 million barrels), the largest oil discovery in Australia since the Fortescue field in 1978, and the most significant in the Dampier Sub-basin - which up until now has been regarded by many explorationists as gas prone.

Three other exploration wells, Alpha North No. 1, Cygnus No. 1 and Montebello No. 1 were plugged and abandoned as dry holes.

Gippsland Basin (Vic)

Group, but was plugged and abandoned.

Eleven new field wildcat wells were drilled in the offshore part of the Gippsland Basin, all with targets in the Latrobe Group. Several significant, but not major discoveries were made.

Oil was discovered in the northwestern area of the basin in Mullaway No.

1. The well, which lies west of the Barracouta field and the 1985

Whiptail oil discovery, has been plugged and suspended. Sweetlips No. 1, also located in the northern half of the basin, north of the Snapper field, encountered an oil and gas bearing zone at the top of the Latrobe

Angler No. 1 and Anemone No. 1, located southeast of the Kingfish field in 274 m and 231 m water depth respectively, discovered gas and condensate in the intra-Latrobe Group Upper Cretaceous section. Blackback No. 1, sited east of the Mackerel field, in 298 m of water, was an appraisal well and deep pool test on the Hapuku structure. Production tests at 2891-2918.8 m resulted in flows of oil and gas at rates of up to 239.7 m 3 /d (1508 bbls/d) and 50 x 10 3 m 3 /d (1.9 x 10 6 ft 3 /d) respectively, and formation tests recovered oil and gas or gas/condensate from several zones in the deeper section. The Anemone, Blackback and Angler wells, were

terminated at 4775 m, 4401 m and 4337 m respectively, making them the deepest wells drilled to date in the Gippsland Basin.

No significant hydrocarbons were encountered in the six remaining offshore wells (Harlequin No. 1, Conger No. 1, Trumpeter No. 1, Admiral No. 1, Shark No. 1, Judith No. 1).

TABLE 1. PETROLEUM RESERVES

A summary of estimates of recoverable primary and secondary reserves of petroleum in Australia as at 30 June 1989 is given below.

Category 1 indicates the reserves and cumulative production from those fields which have been declared commercially viable and indicates that at 30 June 1989 petroleum production and remaining reserves in this category amounted to:

	Cumulative Production	Remaining Reserves		
Crude Oil	462.54 x 10 ⁶ m ³	197.62 x 10 ⁶ m ³		
Condensate	$19.47 \times 10^6 \text{m}^3$	$51.12 \times 10^6 \text{m}^3$		
LPG	59.11 x 10 ⁶ m ³	$74.92 \times 10^6 \text{m}^3$		
Natural (Sales) Gas	170.78 x 10 ⁹ m ³	$437.10 \times 10^9 \text{m}^3$		

Category 2 indicates the reserves which have not yet been declared commercially viable and are subject to major revision. Reserves in this category are estimated to be:

	Remaining Reserves
Crude Oil	86.04 x 10 ⁶ m ³
Condensate	$115.05 \times 10^6 \text{m}^3$
LPG	$91.34 \times 10^6 \text{m}^3$
Natural (Sales) Gas	$1642.81 \times 10^9 \text{m}^3$

Changes to Australia's petroleum reserves in Categories 1 & 2 since 31 December 1988 are as follows:

	Remaining reserves as at 31 .12.1988	Addition from discoveries	Revisions to existing fields	Production during period	Remaining reserves as at 30.6.1989
Crude Oil (x10 ⁶ m ³)	283.76	9.09	3.24	12.43	283.66
Condensate (x10 ⁶ m ³)	166.88	0.57	-0.03	1.28	166.14
$LPG(x10^6m^3)$	167.98	0	0	1.74	166.26
Natural (Sales) Gas (x10 ⁹ m ³)	2081.46	4.09	1.34	6.98	2079.91

Summaries of estimates of initial reserves, cumulative production (where applicable), current (remaining) reserves, and the names of individual fields are included in following table.

TABLE 2. SUMMARY OF ESTIMATES OF THE RECOVERABLE PROVED PLUS PROBABLE, PRIMARY AND SECONDARY PETROLEUM RESERVES AS AT 30.6.89

		INITIAL RES	SERVES			CUMULATIVE PRODUCTION				CURRENT (REMAINING) RESERVES			
BASINS	Hydrocarbon liquids (x 10 ⁶ m ³)			Natural	Hydrocarbon liquids (x 10 ⁶ m ³) Natural			Natural	Ну	drocarbon liquid	s (x 10 ⁶ m ³)	Natural	
	Crude Oil	Natural Gas	Liquids (NGL)		Crude Oil	Natural Gas	Liquids (NGL)		Crude Oil	Natural Gas	Liquids (NGL)		
	On	Condensate	LPG	Gas · (x10 ⁹ m ³)	OII •	Condensate	LPG	Gas (x10 ⁹ m ³)	Ou	Condensate	LPG	Gas (x10 ⁹ m ³)	
CATEGORY 1													
AMADEUS & BONAPARTE	26.84	0.22	1.17	9.04	5.23	-	•	0.73	21.61	0.22	1.17	8.31	
BOWEN	0.53	0.76	0.72	4.67	0.30	0.41	0.29	2.86	0.23	0.35	0.43	1.81	
CANNING	0.57	-	-	-	0.26	-	-	-	0.31	•	-	-	
CARNARVON	55.20	23.04	17.31	192.86	39.85	2.84	1.01	12.27	15.35	20.20	16.30	180.59	
COOPER/EROMANGA	27.28	11.46	18.75	128.21	15.52	4.49	8.68	56.13	11.76	6.97	10.07	73.08	
GIPPSLAND	544.70	34.80	95.90	247.40	397.07	11.56	49.05	80.50	147.63	23.24	46.85	166.90	
OTWAY	-	0.02	-	0.44	-	0.00	-	0.04	•	0.02	• ,	0.40	
PERTH	0.72	0.06	-	17.22	0.18	0.05	•	12.47	0.54	0.01	•	4.75	
SURAT	4.09	0.17	0.18	5.71	3.90	0.04	0.08	4.45	0.19	0.13	0.10	1.26	
TOTAL CATEGORY 1 CATEGORY 2	659.93	70.53	134.02	606.55	462.31	19.41	59.10	169.45	197.62	51.12	74.92	437.10	
ADAVALE	-	_		0.59					,				
AMADEUS	-	0.21	0.38	9.53									
BONAPARTE	11.27	6.84	14.00	156.62									
BOWEN	0.02	0.15	0.23	5.25									
BROWSE	-	31.80	23.30	489.00									
CARNARVON	33.08	65.40	43.88	866.20									
COOPER/EROMANGA	0.31	2.57	4.84	36.49									
GIPPSLAND & BASS	41.35	8.08	4.70	73.17						,			
PERTH	0.01	-	-	0.01							4		
SURAT	. •	-	0.01	0.13									
TOTAL CATEGORY 2	86.04	115.05	91.34	1642.81									
TOTAL CATEGORY 1 + 2	745.97	185.65	225.36	2249.36	N	NOTE. Discrepa	ncies between	totals and su	ms of compo	nents are due to	rounding.		
TOTAL REMAINING RESERV													
CAT 1 + RES CAT 2	283.66	116.17	166.29	2079.91						<i>3</i> "			

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TABLE 3. (a) COMMERCIAL PRODUCTION OF PETROLEUM IN AUSTRALIA

1988 - 1989 (a)

BASIN	CRUDE OIL (x10 ⁶ m ³) (c)	CONDENSATE (x10 ⁶ m ³) (c)	LPG (x10 ⁶ m ³) (c)	NATURAL GAS (b) (x10 ⁹ m ³) (c)
AMADEUS	0.10		_	0.26
BONAPARTE	2.43	-	-	-
BOWEN/SURAT	0.12	0.07	0.10	0.54
CANNING	0.03	•	-	-
CARNARVON	2.03	1.13	-	3.91
COOPER/EROMANGA	2.93	0.68	0.98	5.41
GIPPSLAND	17.90	0.80	2.69	5.48
OTWAY	-	-	-	0.02
PERTH	0.01	-	-	0.15
TOTAL	25.57	2.68	3.76	15.77 (d)
			,	

Source: Department of Primary Industries and Energy. (Preliminary)

- (a) Fiscal year ending 30 June 1989.
- (c) $1 \text{ m}^3 = 6.29 \text{ barrels (liquids), } 35.315 \text{ ft}^3 \text{ (gas)}.$
- (b) Commercial sales plus field and plant usage.
- (d) Production of sales gas was $14.29 \times 10^{9} \text{m}^3$.

TABLE 3. (b) CUMULATIVE COMMERCIAL PRODUCTION OF PETROLEUM IN AUSTRALIA

TO 30 JUNE 1989

BASIN	CRUDE OIL (x10 ⁶ m ³) (c)	CONDENSATE (x10 ⁶ m ³) (c)	LPG (x10 ⁶ m ³) (c)	NATURAL GAS (a) (x10 ⁹ m ³) (c)
AMADEUS	0.68	-	_	0.72
BONAPARTE	4.54	-	-	-
BOWEN/SURAT	4.20	0.46	0.48	7.19
CANNING	0.26	•	-	-
CARNARVON	39.85	3.46	0.06	17.75
COOPER/EROMANGA	15.75	4.73	7.06	58.99
GIPPSLAND/OTWAY	396.91	11.57	48.77	79.70
PERTH	0.18	0.06	-	12.61
TOTAL	462.55	20.28	56.37	176.96

Source: Department of Primary Industries and Energy. (Preliminary)

(a) Commercial sales plus field and plant usage.

TABLE 4. DISCOVERIES OF PETROLEUM - 1989 (a)

BASIN WELL NAME	OPERATOR	STATE	NATURE OF DISCOVERY	PRODUCING FORMATION	CLASSI- FICATION	REMARKS
				OFFSHORE		
BONAPAR TALBOT 1	RTE Santos	NT	Oil	Unknown Fm	NFD	Flowed oil at 795m ³ /d and gas at 108Mm ³ /d. Average rate 684m ³ /d oil. Cased and suspended as a future oil producer.
BROWSE KALYPTEA	1 ВНР	NT	Oil	Unknown Fm	NFD	Recovered 95 m ³ of oil and 1.8m ³ gas. Plugged and abandoned.
CARNARY CHINOOK 1		WA	Oil, Gas	Ваггож Gp	NFD	Flowed oil at 1019m ³ /d and gas at 121 762.5m ³ /d. Cased and suspended as a future oil producer.
COWLE 1	WAPET	WA	Gas, Oil	Flacourt Fm	NFD	Flowed oil at 1 016m ³ /d and gas at. 55 217m ³ /d. Cased and suspended as a future oil producer.
WANAEA 1	Woodside	e WA	Oil	Unknown Fm	NFD	Flowed oil at 874m3/d. Cased and suspended as a future oil producer.
GIPPSLAN ANEMONE 1		Vic	Gas, Cond	Latrobe Gp	NFD	Plugged and abandoned as a gas/ condensate discovery.
ANGLER 1	Petrofina	Vic	Gas, Cond	Latrobe Gp	NFD	Plugged and abandoned as a gas/ condensate discovery.
BLACKBACI	K 1 Esso	Vic	Oil	Latrobe Gp	NPD	Recovered 2.96m ³ oil. Plugged and abandoned.
MULLOWAY	7 1 Esso	Vic	Oil	Latrobe Gp	NFD	Recovered 20.5m3 oil. Cased and suspended as a future oil producer.
SWEETLIPS	1 Esso	Vic	Gas,Oil	Latrobe Gp	NFD	Plugged and abandoned as a gas/

condensate discovery.

TABLE 4. DISCOVERIES OF PETROLEUM - 1989 (a) (cont'd)

BASIN WELL NAME	OPERATOR	STATE	NATURE OF DISCOVERY	PRODUCING FORMATION	CLASSI- FICATION	REMARKS			
ONSHORE									
COOPER/ERO	MANGA								
ALWYN 3	Santos	SA	Oil	McKinlay Mbr	NPD	Recovered 4.5m3 oil from McKinlay Mbr. Completed as an oil producer in Murta Mbr and McKinlay Mbr.			
АМУЕМА 1	Santos	SA	Gas, Cond	Patchawarra Fm	NFD	Flowed gas at 198 200m3/d and condensate at 13.4m3/d.Completed as a gas producer.			
ARRAKIS NORTH 1	Santos	SA	Gas	Epsilon Fm	NFD	Flowed gas at 326 000m3/d. Cased and suspended as a future gas producer.			
ATREIDES 1	Santos	SA	Gas	Patchawarra Fm	NFD	Flowed gas at 41 909m3/d. Cased and suspended as a future gas producer.			
BOWEN 1	Delhi	Qld	Oil Oil Oil	Namur Sst Westbourne Fm Adori Sst Hutton Sst	NFD NFD NFD NFD	Recovered 3.2m oil from Namur Sst, 10.5m oil from Westbourne Fm and 423m oil from Hutton Sst. Flowed oil at 541m3/d from Adori Sst. Cased and suspended as a future oil producer.			
CORELLA 1	Delhi	Qld	Oil	Hutton Sst	NFD	Recovered 1 423m oil. Cased and suspended as a future oil producer.			
ENDEAVOUR 1	Ampol	Qld	Oil	Birkhead Fm	NFD	Flowed oil at 54.4m3/d. Cased and suspended as a future oil producer.			
GIDGEE 1	Delhi	Qld	Oil	Hutton Sst	NFD	Flowed oil at 163.4m3/d. Cased and suspended as a future oil producer.			
JENA 5	Santos	SA	Oil	Cooikiana Sst	NPD (b)	Recovered 9m oil. Cased and suspended as a future Murta Mbr oil producer.			
KEENA 2	Santos	SA	Cond, Gas	Patchawarra Fm	NPD	Flowed gas at 209,000m3/d and condensate at 4.5m3/d. Completed for gas in Toolachee Fm and Patchawarra Fm.			
LYCIUM 1	Santos	SA	Oil	Patchawarra Fm	NFD (b)	Recovered 206m oil. Plugged and abandoned.			
MAHL 1	Delhi	Qld	Oil	Triassic	NFD (b)	Recovered 122m oil. Plugged and abandoned.			

TABLE 4. DISCOVERIES OF PETROLEUM - 1989 (a) (cont'd)

BASIN WELL NAME	OPERATOR	STATE	NATURE OF DISCOVERY	PRODUCING FORMATION	CLASSI- FICATION	REMARKS				
ONSHORE (cont'd)										
COOPER/EROMANGA (cont)										
MARSILEA 1	Santos	SA	Gas	Patchawarra Fm	NFD	Flowed gas at 308.7m3/d. Cased and suspended as a future gas producer				
MAXWELL SOUTH 1	Command	Qld	Oil	Murta Mbr	NFD	Recovered 0.4m oil. Cased and suspended as a future oil producer.				
МЕТТІКА 1	Santos	SA	Cond, Gas	Patchawarra Fm	NFD	Flowed gas at 246m3/d and condensate at 13.4m3/d. Cased and suspended as a future gas/condensate producer.				
MUTHERO 1	Command	Qld	Oil Oil	Murta Mbr Birkhead Fm	NFD NFD	Flowed oil at 162.5m3/d from Murta Mbr and 0.13m3/d from Birkhead Fm. Cased and suspended as a future Murta Mbr/ Birkhead Sst oil producer.				
NACCOWLAH	2 Delhi	Qld	Oil	Murta Mbr	NFD	Recovered 851m oil. Cased and suspended as a future oil producer.				
NACCOWLAH SOUTH 12	Santos	Qld	Gas	Basal Jurassic	NPD	Flowed gas at 76.3m3/d. Cased and suspended as a future Basal Jurassic Fm/Toolachee Fm oil producer.				
NORTH IPUNDU 1	Ampol	Qld	Oil	Murta Mbr	NFD	Recovered 232m oil. Cased and suspended as a future oil producer.				
ORIENTOS 2	Delhi	Qld	Oil	Murta Mbr	NFD	Recovered 5.83m3 oil. Cased and suspended as a future oil producer.				
PINAROO 1	Delhi	Qld	Oil Oil	Hutton Sst Poolowanna Fm	NFD (b)	Flowed oil at 156m3/d from Hutton Sst and 3.5m3/d from Poolawanna Fm. Completed in Hutton Sst only.				
SPENCER WEST 1	Santos	SA	Oil	Namur Sst Mbr Birkhead Fm	NFD (b)	Flowed oil at 273m3/d from Namur Sst Mbr. Recovered 851m of oil from Birkhead Fm. Completed in Namur Sst Mbr only.				
WANDILO 1	Delhi	Qld	Oil Oil	Poolowanna Fm Hutton Sst	NFD (b) NFD	Flowed oil at 15.4m3/d from Poolawanna Fm. Recovered 964m oil from Hutton Sst. Completed in Hutton Sst only.				

TABLE 4. DISCOVERIES OF PETROLEUM - 1989 (a) (cont'd)

BASIN WELL NAME	OPERATOR	STATE	NATURE OF DISCOVERY	PRODUCING FORMATION	CLASSI- FICATION	REMARKS
ONSHORE (cont'd)						
OTWAY LADBROKE GROVE 1	Ultramar	SA	Gas	Pretty Hill	NFD	Flowed gas at 155 740m ³ /d. Cased and suspended as a future gas producer.
KATNOOK 2	Ultramar	SA	Gas	Pretty Hill	NPD	Flowed gas at 463 832m ³ /d. Cased and suspended as future gas producer.

NOTE: A discovery is defined here as a well from which any measureable amount of oil or gas has been recovered; no consideration of commerciality is implied. In previous years some discoveries which recovered only small amounts of hydrocarbons were not included in this table.

⁽a) Preliminary subject to revision.

⁽b) Not completed for production formation.

TABLE 5. SEISMIC SURVEY ACTIVITY BY STATE - 1989

OPERATOR	CONTRACTOR	BASIN	SURVEY NAME	PERMIT	км ѕнот	STATUS
		ONSH	ORE			
QUEENSLAND						
AGL	South Eastern	Bowen/Surat	AA-89	ATP337P	26	Completed
AGL	Velseis	Bowen/Surat	AB-89	ATP337P	14	Completed
AGL	South Eastern	Bowen/Surat	AR-89	ATP336P	79	Continuing
AGL	Seispros Clough	Bowen/Surat	Bundaburra	ATP337P	116	Completed
Ampolex	Halliburton GSI	Adavale	Swan Vale	ATP268P	190	Completed
Bridge	South Eastern	Bowen/Surat	Beechwood	ATP145P	207	Completed
Bridge	South Eastern	Bowen/Surat	Lynrock	PL15	47	Completed
Cluff Resources	South Eastern	Bowen/Surat	Merinda	ATP350P	113	Completed
Comalco	Halliburton	Carpentaria	Burketown	ATP373P	227	Completed
Comalco	Halliburton	Carpentaria	Oliver River	ATP373P	156	Completed
Comalco	Halliburton	Carpentaria	Weipa	ATP373P	698	Completed
Command	South Eastern	Bowen/Surat	Alton West	ATP377P	50	Completed
Command	Petty Ray	Cooper/Eromanga	Dilwin	ATP267P	36	Completed
Crusader	Halliburton	Cooper/Eromanga	Kalpower	ATP368P	116	Completed
Crusader	South Eastern	Bowen/Surat	Rock Wells	ATP251P	12	Completed
Crusader	South Eastern	Bowen/Surat	Smith Creek	ATP258P	66	Completed
Delhi	Halliburton	Cooper/Eromanga	Cameron	ATP259P	992	Completed
Hartogen	South Eastern	Bowen/Surat	Basketyard Creek	APT145P	93	Completed
Hartogen	South Eastern	Bowen/Surat	Bendiboi Creek	ATP212P	165	Completed
Ladd Pacific	Halliburton	Adavale/Eromanga	Aureole	ATP265P	47	Completed
Lasmo	South Eastern	Bowen/Surat	Avalon Phase 2	ATP257P	21	Completed
Lasmo	Petty Ray	Cooper/Eromanga	Eden	ATP299P	45	Completed
Mosaic	South Eastern	Bowen/Surat	AK-89	ATP336P	103	Completed
OCA	Seispros	Bowen/Surat	R-89	ATP349P	5	Completed
Phoenix	Geosystems	Cooper/Eromanga	McIntyre	ATP303P	70	Completed
Santos	Halliburton	Cooper/Eromanga	PPL25/26	ATP259P	42	Completed
Shell	Petty Ray	Cooper/Eromanga	Eromanga Central	ATP267P	355	Completed
Shell	Halliburton	Cooper/Eromanga	S-89E	ATP267P	357	Completed
NEW SOUTH WA	ALES					
Hartogen	Halliburton	Gunnedah	Quinn	PEL238	88	Completed
VICTORIA						
Beach	Halliburton	Otway	Heatherfield Detail	PEP119	63	Completed
Beach	Halliburton	Otway	Peterborough	PEP104	79	Completed
Beach	Halliburton	Otway	Vogel	PEP104,108	106	Completed
		•	_	PEP123		-
Crusader	Halliburton	Gippsland	Stringbark	reriza	34	Completed
Crusader Phoenix	Halliburton Geosystems	Gippsland Otway	Stringbark Shamrock	PEP101	34 103	Completed Completed

TABLE 5. SEISMIC SURVEY ACTIVITY BY STATE -1989 (Cont'd)

OPERATOR	CONTRACTOR	BASIN	SURVEY NAME	PERMIT	км ѕнот	STATUS
		o	NSHORE (Cont'd)			
TASMANIA						
No Geophysical Activ	vity					
SOUTH AUSTR	AT JA					
Santos	Halliburton	Cooper/Eromanga	Stuart	PEL5,6	1627	Completed
Santos	Halliburton	Cooper/Eromanga	PPL25,26	PPL25,26	35	Completed
			,- -	 ,		
WESTERN AUS	TRALIA					
Ampol	Geosystems	Perth	1989 Detail	EP41	181	Completed
Ampol	Geosystems	Perth	Cypress Hill Experimental	EP321	10	Completed
Ampol	Geosystems	Perth	Goonderoo	EP100	150	Completed
Ampol	Geosystems	Perth	Goonderoo Phase 2	EP100	52	Completed
Barrack	Western Geophysical	Perth	Coomallo Hill	EP320	76	Completed
Barrack	Western Geophysical	Perth	Coorey	EP320	80	Completed
Barrack	Geosystems	Perth	Dempster	EP100	85	Completed
Barrack	Western Geophysical	Perth	Duggan	EP323	146	Completed
Barrack	Western Geophysical	Perth	Erregulia West	EP23	48	Completed
Barrack	Western Geophysocal	Perth	Georgina	EP23,PL7	68	Completed
Ваггаск	Western Geophysical	Canning	Moorak Detail	EP330	100	Completed
Barrack	Geosystems	Perth	South Wulmulla	EP100	86	Completed
Barrack	Western Geophysical	Perth	Table Top	EP96	51	Completed
Barrack	Western Geophysical	Perth	Tomkins	EP320	78	Completed
Barrack	Western Geophysical	Perth	Yardanoga	EP320	97	Completed
Bridge	Geosystems	Canning	Gee Gully Creek	EP175	86	Completed
Kufpec	Geosystems	Canning	1989 Fitzroy	EP101	198	Completed
Metana	Geoystems	Carnarvon	Rakrani	EP201	40	Completed
OCA	Geosystems	Canning	Pindan	EP231	122	Completed
SRL Exploration	Geosystems	Carnarvon	Sandalwood	EP106	150	Completed
WAPET	Western Geophysical	Perth	Dongara 3 (463)	PL1,2	179	Completed
WAPET	Western Geophysical	Perth	Dongara Experimental	PL1,2	7	Completed
WAPET	Western Geophysical	Carnarvon	Barrow Deep 466	L-1-H	24	Completed
WMC	Western Geophysical	Canning	Elsa	EP335,336	153	Completed
WMC	Geosystems	Perth	Walcott	EP23	130	Completed
NORTHERN TE	RRITORV					
Pacific Oil and Gas	Geosystems	Georgina	1080 Georgies	EP10 11 12 12	241	Completed
Pacific Oil and Gas		Georgina	1989 Georgina	EP10,11,12,13	241	Completed
LACING OH AND GAS	Geosystems	Daly	Nutwood Downs	EP23,24	320	Completed

EP26

Amadeus

EP26

115

Completed

Pacific Oil and Gas

Geosystems

TABLE 5. SEISMIC SURVEY ACTIVITY BY STATE - 1989 (Cont'd)

OPERATOR	CONTRACTOR	BASIN	SURVEY NAME	PERMIT	км ѕнот	STATUS
			OFFSHORE			
QUEENSLAND						
Phoenix Oil	Western Geophysical	Carpentaria	Q21P	Q/21P	800	Completed
NEW SOUTH V	VALES					
No Geophysical Activ	ity					
VICTORIA						
Cultus	Western Geophysical	Gippsland	GC89A	Vic/P23	300	Completed
Esso South Eastern	Western Geophysical Western Geophysical	Gippsland Gippsland	G89A GSE-89	Vic/P24 Vic/P25	2230 500	Continuing Completed
South Eastern	western ocopuysicar	O i ppsiana	031207	V 10/1 22	500	Сомрисса
TASMANIA						
Amoco	Halliburton	Bass	Bass Basin	T/14,18,22	435	Completed
SOUTH AUSTRA	ALIA					
No Geophysical Activi						
WESTERN AUST	TRALIA					
Ampol	Halliburton	Browse	Enneidra	WA-212P	2564	Completed
Ampol	Halliburton	Carnarvon	Katrina	WA-203P	390	Completed
Ampol	Halliburon	Browse	Loretta	WA-206P	341	Completed
Arco	Halliburton	Carnarvon	Cygnus	WA-202P	14	Completed
Aust Seismic Brokers	Halliburton	Bonaparte	SPA 5 SL/88-90	Vacant	3012	Completed
Bond	Halliburton	Carnarvon	B89 & B89H	TP8	1276	Completed
Elf Aquitaine	Halliburton	Bonaparte	SPA 2SL/89-90	Vacant	685	Completed
GSI	GSI	Perth	SPA 9SL/88-89	Vacant	1588	Completed
GSI	GSI	Bonaparte	SPA 3SL/88-90	Vacant	2218	Completed
GSI	GSI	Bonaparte	SPA 2SL/88-89	Vacant	1644	Completed
Lasmo	Digicon	Exmouth Gulf	Chelonia	EP342	519	Continuing
APET WAPET	Halliburton Halliburton	Carnarvon Carnarvon	Rosily Shoals	TP3,7	36 98	Completed Completed
WAPET	Halliburton	Carnarvon	Barrow 12 (459) Gorgon 3 (465)	L10,TP2 WA-25,192P	98 1515	Completed
	*10111041 tOH	Caludi VUII	Corgon 5 (405)	WA-205,241P	1010	Comproied
WAPET	Halliburton	Carnarvon	Saladin Detail	TP3	42	Completed
WAPET	Halliburton	Carnarvon	Vlaming (467)	WA-213P	644	Completed
			,			-

TABLE 5. SEISMIC SURVEY ACTIVITY BY STATE - 1989 (Cont'd)

OPERATOR	CONTRACTOR	BASIN	SURVEY NAME	PERMIT	км ѕнот	STATUS	
		c	OFFSHORE (Cont'd)				
WESTERN AU	JSTRALIA (cont'd)						
WMC	Halliburton	Bonaparte	Bobbie	WA-128P,TP5	484	Completed	
WMC	Halliburton	Carnarvon	Jacqueline	WA-15,149,214P	875	Completed	
WMC	Halliburton	Carnarvon	Jacqueline Experimental	WA-149P	35	Completed	
WMC	Halliburton	Bonaparte	 Kaye	WA-147P	528	Completed	
WMC	Halliburton	Carnarvon	Peta	TP7	50	Completed	
WMC	Western Geophysical	Вопарагте	Roxanne	WA-211P	441	Completed	
Woodside	Western Geophysical	Carnarvon	Angel/Wanaea	WA-28P	79	Continuing	
NORTHERN 7	EDDITADV			4			
BHP			** . #				
ВНР	Halliburton Halliburton	Browse	HA-5	AC/P7	1097	Completed	
ВНР	Halliburton	Browse	HA88A	NT/P41,42	2190	Completed	
ВНР		Browse	HA88B	NT/P41	2125	Completed	
ВНР	Halliburton Halliburton	Arafura	HA89A	NT/P42	1450	Completed	
ВНР	Halliburton	Arafura Browse	HA89B	NT/P42	1200	Completed	
ВНР	Halliburton		HB2,Phase 2	AC/P6	862	Completed	
ВНР	Halliburton	Browse/Bonaparte Browse	НН6 НJ10	AC/P3	482	Completed	
ВНР	Halliburton			AC/P4	403 92	Completed	
ВНР	Halliburton	Browse/Bonaparte Browse/Bonaparte	HJ-10, Phase 3 HJ11	AC/P4 AC/L3	400	Completed	
ВНР	Halliburton	Browse	HV7	AC/P10	933	Completed	
ВНР	Halliburton	Browse	HV8	,	955 315	Completed	
ВНР	Halliburton	Borwse/Bonaparte		AC/P2		Completed	
ВНР	Halliburton	Browse/Bonaparte	HV9 XB-3	AC/P	250	Completed	
ВНР	Halliburton	-	XJ-12	AC/P6	129	Completed	
ВНР	Halliburton	Browse/Bonaparte Browse/Bonaparte	XV-10	AC/P4 AC/P2	529	Completed	
BP	Halliburton	Browse/Bonaparte	AC/P5		55 385	Completed	
Elf Aquitaine	Halliburton	Browse	8801	AC/P5		Completed	
Elf Aquitaine	Halliburton		B88	AC/P1	311	Completed	
Elf Aquitaine	Halliburton	Bonaparte Bonaparte	B-89	NT/P28 NT/P28	410 500	Completed	
TCPL	Halliburton	Browse	T89A	AC/P13	6879	Completed Completed	
TCPL	Halliburton	Browse	TR89A	AC/P13 AC/P13	4474	Completed	
Santos	Halliburton	Browse	Anderdone	AC/P10,12	6350	Completed	
Santos	Halliburton	Browse	Woodbine	AC/P10	4706	Completed	
WMC	Halliburton		Eva			pioco	

TABLE 6. PETROLEUM EXPLORATION AND DEVELOPMENT DRILLING RIG ACTIVITY

AS AT 31.12.89

OPERATOR/ (OWNED BY)	OPERATORS RIG NO.	DRAW WORKS	OPERATED FOR	STATUS AT 31-12-89	STATE/ TERR.
		ON	SHORE		
АТСО-АРМ	Rig 1	National 610E		Idle	SA
AUST PTY LTD	Rig 2	Mid-Cont. U-36A	Ultramar-	Drilling ahead at Katnook 3.	Qld
	Rig 3	Cabot 1287	<u>.</u>	Idle	Qld
	Rig 4	Franks Cabot 300	Santos	Workovers	SA
	Rig 5	Franks Cabot 300	-	Idle	Qld
	Rig 6	Franks Cabot 300	Santos	Workovers	Qld
	Rig 7	Troy 600	-	Idle	Qld
	Rig 8	Franks Cabot 300	Santos	Workovers	SA
BARRACK ENERGY	Rig 1	Cardwell KM250		Idle	WA
	Rig 2	Bourne 5000	-	Idle	WA
CENTURY DRILLING	Rig 1	Ide∞ BIR Rambler	Santos	Suspending Bowen 1.	Qld
•	Rig 2	Ideco	-	Idle	SA
	Rig 3	Ideco BIR Rambler	Santos	Drilling ahead at Jena 6.	SA
	Rig 5	Cooper LTD 750	-	Idle	WA
	Rig 11	Cooper LTD 750	-	Idle	Qld
	Rig 16	Brewster Skytop	-	Idle	SA
	Rig 18	Superior 700M	-	Idle	Qld
DRILLCORP	Rig 24	Franks Cabot	Adelaide Pet.	Preparing to drill Etingimbra 1	NT
	Rig 25	TSM 6000	-	Idle	Qld
	Rig 29	Ideco H44 Rambler	-	Idle	Qld
FLETCHER DRILLING	* Rig 1	Gardner Denver 2500DD		Idle	WA
GEARHART DRILLING	Rig 1	Kremco 750T		Idle	Qld
	Rig 2	Superior 700E	Gas and Fuel	Drilling ahead at McEachern 1.	Vic
	Rig 3	Oilwell 840E	-	Idle	WA
	Rig 4	Houston 5000	-	Idle	NT
	Rig 5	National T-32	-	Idle	SA
	Rig 6	Kremco K 600 T	-	Idle	WA
GEOLOGICAL SURVEY OF QUEENSLAND	-	Failing 2500	GSQ	Drilling ahead at GSQ Maneroo 1.	Qld
MEREENIE JOINT VENTURE PARTERNS	•	OIME 750SL	-	Idle	NT

TABLE 6. PETROLEUM EXPLORATION AND DEVELOPMENT DRILLING RIG ACTIVITY (Cont'd)

AS AT 31.12.89

OPERATOR/ (OWNED BY)	OPERATORS RIG NO.	DRAW WORKS	OPERATED FOR	STATUS AT 31-12-89	STATE/ TERR.
		ONSHO	DRE (cont'd)		
OIL DRILLING &	Rig 5	Ideco JR Super 7-11	Santos	Suspending Tirrawarra 65.	SA
EXPORATION LTD	Rig 12	Ideco H725	Santos	Drilling ahead at Deparangie 1.	SA
	Rig 18	Ideco H725	Delhi	Drilling ahead at Mooliampah 3.	Qld
	Rig 19	Kremco K-600-H	-	Idle	Qld
	Rig 20	Kremco K-600-H	-	Idle	Qld
	Rig 21	Ideco H725	-	Idle	WA
	Rig 22	National 610E	-	Idle	SA
	Rig 23	Ideco 900E	-	Idle	SA
	Rig 24	National 610	•	Idle	Qld
	Rig 27	National 370	-	Idle	WA
	Rig 28	National 80UE	•	Idle	WA
ROCKDRIL	Rig 20	Stratigraphic Core	Pacific Oil & Gas	Preparing to drill Baldwin 1.	NT
CONTRACTORS	Rig 21	Bourne 4000	-	Mineral development drilling.	Qld
PTY LTD	Rig 22	RD Heli 2		Idle	Qld

SUMMARY OF ONSHORE RIGS

ACTIVE	13
IDLE	29
TOTAL	41

Notes:

Century Drilling Rig 14 left for Indonesia in June.

Rockdril Contractors Rig 22 returned from Papua New Guinea in June.

^{*} Rigs which became idle just prior to 31-12-89.

TABLE 6. PETROLEUM EXPLORATION AND DEVELOPMENT DRILLING RIG ACTIVITY (Cont'd)

AS AT 31.12.89

OPERATOR/ (OWNED BY)	UNIT NAME OWNERS REF	RIG TYPE	OPERATED FOR	STATUS AT 31-12-89	STATE/ TERR.									
		o	FFSHORE											
ATWOOD OCEANICS AUST PIY LTD	Margie Continental Vicksburg	Semisub Platform Jackup	Woodside Esso WMC	Drilling ahead at Cossack 1. Drilling ahead at Bream A26. South Pepper production.	WA Vic WA									
DIAMOND M GENERAL	Diamond M General	Semisub	внр	Drilling ahead at Maple 1.	NT									
GLOBAL MARINE DRILLING	Robert F Bauer	Drillship	Norcen	Drilling ahead at Keeling 1.	NT									
MAERSK PTY LTD	Maersk Valiant Maersk Voyager	Jackup Jackup	Wapet -	Drilling ahead at Roller 1. Idle	WA WA									
MARETECH OCEAN SERVICES	Energy Searcher	Drillship	внр	Drilling ahead at Griffin 1.	WA									
SEDCO-FOREX	Sedco-708	Semisub	внр	Completion at Jabiru 8A.	NT									
SOUTH SEAS DRILLING CO	Southern Cross	Semisub	Esso	Workovers at Tarwhine.	Vic									
WOODSIDE PETROLEUM	Oilwell E2000	Platform	Woodside	Drilling ahead at North Rankin A19.	WA									
ZAPATA OFFSHORE CO	Zapata Arctic	Semisub	Cultus	Drilling ahead at Copa 1.	SA									

SUMMARY OF OFFSHORE RIGS

ACTIVE	10
IDLE	2
TOTAL	12

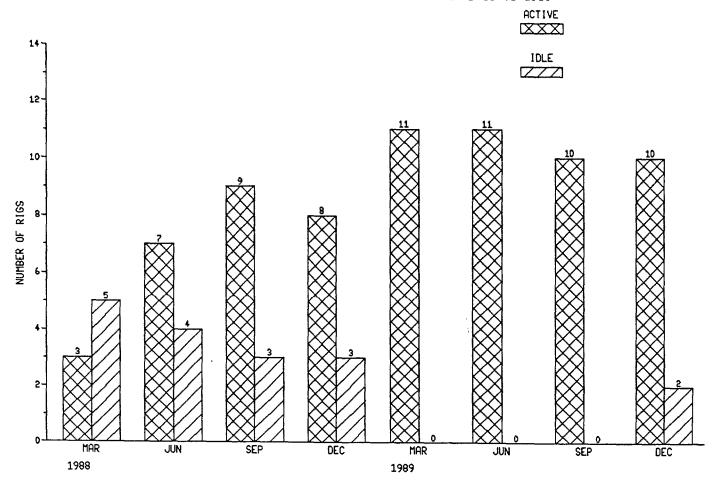
Notes:

Maersk Giant commenced work for Esso in Gippsland Basin in June and completed in November.

Presently stacked at Cliffy Island, Bass Strait.

TABLE 6. (Cont'd)

OFFSHORE DRILLING RIG ACTIVITY - BY QUARTER 1988 TO 1989



ONSHORE DRILLING RIG ACTIVITY BY QUARTER 1988 TO 1989

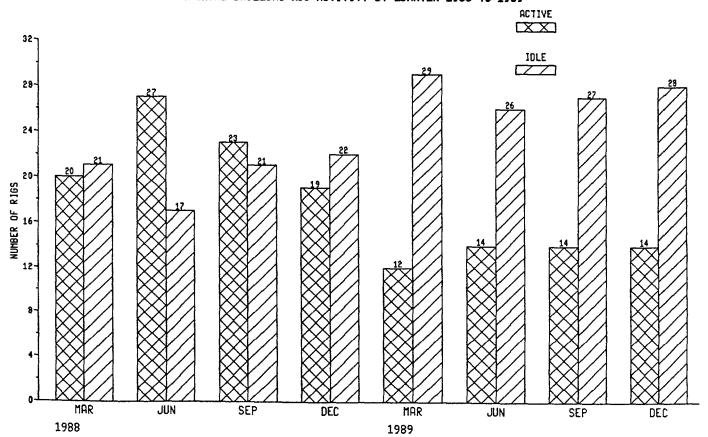


TABLE 7. SUMMARY OF ONSHORE AND OFFSHORE WELLS DRILLED - 1989

	Spuc	ided		Status at 31.12.89									
State or	Other Period	This Period		n plete		Abandoned or secured						DA ³	Susp ⁴
Territory			Oil	Gas	Oil & Gas	Ser ²	Dry	Oil	Gas	Oil & Gas	Unspec-		
					Explo	ratio	n Wel	lls					- 5-11
Queensland	_	49	17	3	1	-	26	1	-	-	_	-	1
New South Wales	-	-	-	-	-	-	-	-	-	-	-	-	-
Victoria	-	14	1	-	-	-	7	1	3	1	-	1	-
Tasmania	-	-	-	-	-	-	-	-	-	-	-	-	-
South Australia	2	49	6	21	-	-	21	1	-	-	-	2	-
Western Australia	1	18	4	-	-	-	13	-	-	-	-	2	-
Northern Territory	4	19	3	-	-	-	16	2	-	-	-	2	-
Total	7	149	31	24	1	-	83	5	3	1	•	7	1
				D	evelop	ment	Well	s					
Queensland	1	20	10	6	1	-	2	1	-	-	-	1	_
New South Wales	_	~	_	-	-	•	-	_	-	-	-	-	-
Victoria	1	18	16	-	-	2	-	-	-	-	-	1	-
Tasmania	-	-	-	-	-	-	-	_	-	-	-	-	-
South Australia	1	13	8	2	-	-	3	-	-	-	-	1	-
Western Australia	3	20	18	3	1	-	-	-	-	-	-	1	-
Northern Territory	-	3	2	1	-	-	-	-	-	-	-	-	
Total	6	74	54	12	2	2	5	1	-	-	-	4	-

^{1:} Cased and suspended. 2: Service well, classification applicable only to Development Wells..

^{3:} Drilling Ahead. 4: Suspended temporarily, to resume drilling at a future date.

TABLE 7. (Cont'd) SUMMARY OF ONSHORE WELLS DRILLED - 1989

	Spuc	ided	Status at 31.12.89										
State or	Other Period	This Period		nplete		Abandoned or secured						DA ³	Susp ⁴
Territory			Oil	Gas	Oil & Gas	Ser ²	Dry	Oil	Gas	Oil & Gas	Unspec-		
					Explo	ratio	n Wel	lls					***************************************
Queensland	_	49	17	3	1	-	26	1	-	-	-	-	1
New South Wales	-	-	-	-	-	-	-	-	-	-	-	-	-
Victoria	-	2	-	-	-	-	-	-	1	-	-	1	-
Tasmania	-	-	-	-	-	-	-	-	-	-	-	-	-
South Australia	2	48	6	21	-	-	21	1	-	-	-	1	-
Western Australia	-	6	1	-	-	-	5	-	-	-	-	-	-
Northern Territory	1	4	-	-	-	-	5	-	-	-	-	-	•
Total	3	109	24	24	1	-	57	2	1	•	-	2	1
				D	evelop	ment	Well	s					
Queensland	1	20	10	6	1	-	2	1	-	-	-	1	-
New South Wales	-	-	-	-	-	-	-	-	-	-	-	-	-
Victoria	-	-	-	-	-	-	-	-	-	-	-	-	-
Tasmania	-	-	-	-	-	-	-	-	-	-	-	•	•
South Australia	1	13	8	2	-	-	3	-	-	-	-	1	-
Western Australia	2	11	13	-	-	-	-	-	-	-	-	•	-
Northern Territory	-	1	-	1	•	-	-	-	-	-	-	-	-
Total	4	45	31	9	1	-	5	1	-	•		2	-

^{1:} Cased and suspended. 2: Service well, classification applicable only to Development Wells..

^{3:} Drilling Ahead. 4: Suspended temporarily, to resume drilling at a future date.

TABLE 7. (Cont'd) SUMMARY OF OFFSHORE WELLS DRILLED - 1989

	Spuc	ided	Status at 31.12.89										
State	Other Period	This Period	Completed or C & S ¹			Abandoned or secured						DA ³	Susp ⁴
Territory			Oil	Gas	Oil & Gas	Ser ²	Dry	Oil	Gas	Oil & Gas	Unspec-		
					Explo	ratio	n We	ils				· · · · · · · · · · · · · · · · · · ·	
Queensland	-	-	-	-	-	-	-		_		-	-	_
New South Wales	-	-	-	-	-	-	-	-	-	- '	-	-	-
Victoria	-	12	1	-	-	-	7	1	2	1	-	-	-
Tasmania	-	-	-	-	-	-	-	-	-	-	-	-	-
South Australia	-	1	-	-	-	-	-	-	-	-	-	1	-
Western Australia	1	12	3	-	-	-	8	-	-	-	-	2	-
Northern Territory	3	15	3	-	-	-	11	2	-	-	-	2	-
Total	4	40	7	5	-		26	3	2	1		5	•
				D	evelop	ment	Well	s					
Queensland	-	-	_	-	-	-	-	_	-	_	-	-	-
New South Wales	-	-	-	-	-	-	-	-	-	-	-	-	-
Victoria	1	18	16	-	-	2	_	-	-	-	-	1	-
Tasmania	-	-	-	-	-	-	-	-	-	-	-	-	-
South Australia	-	-	-	-	-	-	-	-	-	-	-	-	-
Western Australia	1	9	5	3	1	-	-	-	-	-	-	1	-
Northern Territory	-	2	2	-	-	-	-	-	-	-	-	-	-
Total	2	29	23	3	1	2	-				-	2	-

^{1:} Cased and suspended. 2: Service well, classification applicable only to Development Wells..

^{3:} Drilling Ahead. 4: Suspended temporarily, to resume drilling at a future date.

Table 7. (cont'd)

OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAL DEPTH TOTAL DRILLEI (m)	PRODUCTION BY STATE STATUS AND SHOWS	CLASSIFI CATION
		" "	QUEEN	ISLAND			
AGL							
BEAUFORT 7 PL3	Bowen/ Surat	26°34'44" 149°54'56"	KB 314 GL 310	20-SEP-89 27-SEP-89	1179 1179	Cased and suspended as a future Precipice Sst gas producer.	DEV
AGL							
MT HUTTON 1 ATP337P	Bowen/ Surat	25°51'32" 148°21'25"	KB 797 GL 793	21-JUN-89 27-JUN-89	1177 1177	Plugged and abandoned, dry.	NFW DRY
AGL							
SANDY 1 PL2	Bowen/ Surat	27°58'38" 149°21'18"	KB 220 GL 214	23-JUN-89 05-JUL-89	2227 2227	Plugged and abandoned, dry.	NFW DRY
4.07							
AGL YELLOWBANK 5 ATP337P	Bowen/ Surat	25°26'43" 148°23'54"	KB 582 GL 578	27-AUG-89 07-SEP-89	1514 1514	Cased and suspended as a future Aldebaran Sst gas producer.	DEV DEV
AGL							
YOOTHAPPINNA 1 ATP337P	Bowen/ Surat	25°13'38" 148°25'39"	KB 713 GL 709	12-NOV-89 29-NOV-89	1411 1411	Plugged and abandoned, dry.	NFW DRY
AMPOL							
BURGAMOO 1 ATP271P	Cooper/ Eromanga	23°27'23" 143°13'6"	KB 248 GL 244	14-OCT-89 24-OCT-89	1670 1670	Plugged and converted to a water well.	NFW DRY
AMPOL							
ENDEAVOUR 1 ATP299P	Cooper/ Eromanga	26°47'28" 143°22'53"	KB 191 GL 186	29-SEP-89 06-OCT-89	1550 1550	Cased and suspended as a future Birkhead Fm oil producer.	NFW NFD
AMPOL							
NORTH IPUNDU 1 ATP299P	Cooper/ Eromanga	26°55'17" 143°18'47"	KB 177 GL 173	12-SEP-89 22-SEP-89	1327 1327	Cased and suspended as a future Murta Mbr oil producer.	NFW NFD
BEACH BINKEY BAY 1 ATP374P	Surat	26°25'15" 150°14'55"	KB 340 GL 335	06-OCT-89 10-OCT-89	806 806	Plugged and abandoned, dry.	NFW DRY
BRIDGE BOXLEIGH 6 PL15	Bowen/ Surat	27°37'27" 149°3'50"	KB 282 GL 227	15-MAR-89 26-MAR-89	1959 1959	Cased and suspended as a future Showgrounds Sst gas/condensate producer.	EXT EXT
BRIDGE						-	
LYNROCK 2 PL15	Bowen/ Surat	27°25'27" 149°10'5"	KB 293 GL 289	22-NOV-89 02-DEC-89	2165 2165	Plugged and converted to a water well. Mnr hydrocarbons observed in core.	NFW DRY
BRIDGE	_						
TAYLOR 11 PL16	Bowen/ Surat	27°33'30" 149°14'34"	KB 347 GL 342	04-JAN-89 17-JAN-89	2095 2095	Cased and suspended as a future Showgrounds Sst oil/ gas producer.	EXT EXT

Table 7. (cont'd)

OPERATOR WELL	BASIN	LOCATION LAT. (S)	ELEVA- TION	DATES SPUD	TOTAL DEPTH	STATUS AND	CLASSIFI- CATION
		LONG. (E)	(m) TD		TOTAL DRILLE (m)	SHOWS ID	
			QUEENSLA	AND (cont'd)			
BRIDGE							
TAYLOR 12	Bowen/	27°36'29"	KB 311	21-JAN-89	2090	Plugged and abandoned after	EXT
ATP145P	Surat	149°14'46"	GL 306	02-FEB-89	2090	encountering no hydrocarbons.	DRY
BRIDGE							
TAYLOR 12A	Bowen/	27°36'30"	KB 311	05-FEB-89	2046	Cased and suspended as a	DEV
ATP145P	Surat	149°14'46"	GL 306	19-FEB-89	696	future Showgrounds Sst oil producer.	DEV
BRIDGE							
TAYLOR 13	Bowen/	27°34'27"	KB 315	06-OCT-89	2089	Plugged and abandoned after	EXT
PL16	Surat	149°12'24"	GL 311	20-OCT-89	2089	encountering no hydrocarbons.	DRY
BRIDGE							
TAYLOR 13A	Bowen/	27°34'27"	KB 315	22-OCT-89	2089	Plugged and converted to a	EXT
PL16	Surat	149°12'24"	GL310	01-NOV-89	494	water well.	DRY
BRIDGE							
TAYLOR 14	Bowen/	27°32'17"	KB 330	04-NOV-89	2106	Plugged and completed as a	EXT
PL16	Surat	149°13'26"	GL 326	15-NOV-89	2106	water well.	DRY
BRIDGE							
TINKER 2	Bowen/	27°27'4"	KB 351	22-FEB-89	2236	Cased and suspended as a	EXT
PL16	Surat	149°16'20"	GL 347	10-MAR-89	2236	future Rewan Fm gas/ condensate producer	EXT
BRIDGE TINKER 3	Bowen/	27*27/448	VD 224	10 DEC 80	2227	Occident manual days	E3/m
PL16	Surat	27°27'44" 149°16'2"	KB 324 GL 320	10-DEC-89 20-DEC-89	2227 2227	Cased and suspended as a	EXT EXT
1010	Suiat	149 10 2	GL 320	20-0130-09	2221	future Rewan Fm gas/ condensate producer.	EAI
CSR							
BONY CREEK 18	Bowen/	26°44'19"	KB 315	28-JAN-89	1400	Cased and suspended as a	DEV
PL10	Surat	148°57'38"	GL 309	03-FEB-89	1400	future Precipice Sst and Showgrounds Sst gas producer.	DEV
CSR							
GRAFTON RANGE 21	Bowen/	26°24'15"	KB 465	01-JAN-89	1097	Cased and suspended as a	DEV
PL4	Surat	148°55'58"	GL 459	06-JAN-89	1097	future Precipice Sst gas producer.	DEV
CSR PLEASANT HILLS 22	Bowen/	26°22'42"	KB 409	10-JAN-89	1135	Cased and suspended as a	DEV
PL4	Surat	26 22 42 148°59'53"	GL 403	15-JAN-89	1135	future Precipice Sst gas producer.	DEV
CSR PLEASANT HILLS 23	Rower/	26°24'32"	KD 411	10 TAN 50	1071	Cocad and enomanded	DEU
PLASANI HILLS 23 PLA	Bowen/ Surat	20°24°32" 149°0'47"	KB 411 GL 405	19-JAN-89 23-JAN-89	1071 1071	Cased and suspended as a future Showgrounds Sst gas	DEV DEV
	~viat	417 V T/	0D 1 00	₽0-JUI1407	4417	producer.	19154

Table 7. (cont'd)

CAT	OPERATOR	BASIN	LOCATION	ELEVA-	DATES	TOTAL	PRODUCTION BY STATE STATUS	CLASSIFI
COMMAND DIKERA 2 Coopet/ 27'44'45' KB 105 26-JUL-89 1484 Cased and suspended as a future Westbourse Fm oil producer. COMMAND FAIRYMOUNT 6 Bowen/ 25'154" KB 255 29-MAR-89 2125 Plagged and abandosed, dry. EX ATF377P Surat 149'19'31" GL 249 69-APR-89 2125 Plagged and abandosed, dry. EX ATF377P Surat 149'19'31" GL 249 26-APR-89 2125 Pairwount 6A is a deviated bole from Ealymount 6 and was cased and suspended as a future cill producer. COMMAND FAIRYMOUNT 6A Bowen/ 28'1154" KB 253 15-AFR-89 2150 Fairymount 6A is a deviated bole from Ealymount 6 and was cased and suspended as a future cill producer. COMMAND FAIRYMOUNT NORTH 1 Bowen/ 28'0'13" KB 228 14-MAR-89 2071 Plugged and abandosed, dry. DR ATF377P Surat 149'18'54" GL 222 23-MAR-89 2071 COMMAND MAXWELL 3 Coopet/ 27'53'23" KB 128 05-AUG-89 932 Cased and suspended as a future cill producer. COMMAND MAXWELL 3 Coopet/ 27'53'23" KB 128 05-AUG-89 932 future Marta Mbr oil producer. EXCOMMAND MAXWELL SOUTH 1 Coopet/ 27'54'24" KB 119 09-SEP-89 1201 future Marta Mbr oil producer. COMMAND MAXWELL SOUTH 1 Coopet/ 27'42'45" KB 130 17-AUG-89 1451 Cased and suspended as a future cill producer. COMMAND MAXWELL SOUTH 1 Coopet/ 27'42'45" KB 130 17-AUG-89 1451 Cased and suspended as a future distribution of the future Marta Mbr oil producer. COMMAND MYRTLENOUNT 1 Bowen/ 27'59'59" KB 229 28-FEB-89 1991 Flugged and abandosed, dry. DR ATF367P Eromanga 142'30'34" GL 124 25-AUG-89 1451 Cased and suspended as a future fut		DASIN	LAT. (S)	TION	SPUD	DEPTH TOTAL DRILLE	AND SHOWS	CATION
DILEGRA 2 Copet/ 2744/45" KB 165 26-IUL-89 1484 Caced and suspended as a EXATP267P Eromangs 142/37/40" GL 59 02-AUG-89 1484 future Westbourne Fm oil producer. COMMAND				QUEENSL	AND (cont'd)			
DILEGRA 2 Copet/ 2744/45" KB 165 26-IUL-89 1484 Caced and suspended as a EXATP267P Eromangs 142/37/40" GL 59 02-AUG-89 1484 future Westbourne Fm oil producer. COMMAND								
ATP267P Eromanga 142'37'40" GL 99 02.AUG-89 1484 future Westbourne Fin oil EX producer. COMMAND FAIRYMOUNT 6 Bowen/ 28'1'54" KB 255 29.MAR-89 2125 Plugged and abandoned, dry. EX ATP277P Surat 189'19'31" GL 249 09.APR-89 2125 Plugged and abandoned, dry. EX ATP277P Surat 189'19'31" GL 249 26.APR-89 770 bole from Fairymoust 6A is a deviated by FAIRYMOUNT 6A Bowen/ 28'1'54" KB 253 15-APR-89 770 bole from Fairymoust 6 and was caused and suspended as a future oil producer. COMMAND FAIRYMOUNT NORTH 1 Bowen/ 28'0'13" KB 228 14-MAR-89 2071 Plugged and abandoned, dry. NP ATP277P Surat 149'18'54" GL 222 23-MAR-89 2071 Plugged and abandoned, dry. NP ATP277P Bromanga 141'41'29" GL 122 10-AUG-89 932 Cased and suspended as a future oil producer. EX ATP267P Eromanga 141'41'29" GL 122 10-AUG-89 932 future Murta Mbr oil producer. EX ATP267P Eromanga 142'40'35" GL 113 15-SEP-89 1201 Cased and suspended as a ATP267P Eromanga 142'40'35" GL 124 25-AUG-89 1451 future Murta Mbr oil producer. COMMAND MUTHERO 1 Cooper/ 27'52'45" KB 139 17-AUG-89 1451 future Murta Mbr oil producer. COMMAND MUTHERO 1 Cooper/ 27'52'59' KB 239 28-FEB-80 1391 Plugged and abandoned, dry. NF ATP267P Eromanga 142'2'50' GL 23 09-MAR-89 1991 Plugged and abandoned, dry. NF ATP267P Eromanga 142'36'34" GL 124 25-AUG-89 1451 future Murta Mbr oil producer. COMMAND MYRTLEROUNT 1 Bowen/ 27'59'59" KB 239 28-FEB-80 1391 Plugged and abandoned, dry. NF ATP277P Surat 149'17'20" GL 234 09-MAR-89 1991 Plugged and abandoned, dry. NF ATP279P Eromanga 142'35'11" GL 124 04-SEP-89 1076 Cased and suspended as a future diproducer. EX GL 124 125'50" GL 67 29-DEC-89 1821 Cased and suspended as a future oil producer. EX GL 124 12'2'50" GL 67 29-DEC-89 1821 Cased and suspended as a future oil producer. EX GL 124 12'2'50" GL 67 29-DEC-89 1821 Cased and suspended as a future oil producer. EX GL 124 12'2'50" GL 67 29-DEC-89 1821 Cased and suspended as a future oil producer. EX GL 124 12'2'50" GL 67 29-DEC-89 1821 Cased and suspended as a future oil producer. NP DELHI CORELLA 1 Cooper/ 2		Cooned	2704414511	WD 105	26 11 11 120	1404	0	DVm
FAIRYMOUNT 6 Bowen 28" 154" KB 255 29-MAR-89 2125 Plagged and abandoned, dry. EX ATT377P Surat 149" 19" 13" GL 249 09-AFR-89 2125 Plagged and abandoned, dry. EX DECEMBER D	-	-					future Westbourne Fm oil	EXT
ATP377P Sunt 149°19'31" GL 249 99-APR-89 2125 DE COMMAND FAIRYMOUNT 6A Bowen/ 28°1'54" KB 253 15-APR-89 770 hole from Frigmount 6 and was DE cased and suspended as a future oil producer. COMMAND FAIRYMOUNT NORTH 1 Bowen/ 28°0'13" KB 228 14-MAR-89 2071 Plugged and abandoned, dry. DF ATP377P Eromanga 141°41'29" GL 242 2-MAR-89 2071 Plugged and suspended as a future oil producer. COMMAND MAXWELL 3 Cooper/ 27°53'22" KB 128 05-AUG-89 932 Cased and suspended as a ATP267P Eromanga 141°41'29" GL 122 10-AUG-89 932 future Murta Mbr oil producer. EX COMMAND MAXWELL SOUTH 1 Cooper/ 27°54'24" KB 119 09-SEP-89 1201 Cased and suspended as a NF ATP367P Eromanga 142°40'35" GL 113 15-SEP-89 1201 future Murta Mbr oil producer. NF COMMAND MUTHERO 1 Cooper/ 27°42'45" KB 130 17-AUG-89 1451 Cased and suspended as a NF ATP267P Eromanga 142'36'34" GL 124 25-AUG-89 1451 future Murta Mbr oil producer. COMMAND MUTHERO 1 Cooper/ 27°42'45" KB 239 28-FEB-89 1991 Plugged and abandoned, dry. NF ATP377P Surat 149°17'20" GL 234 09-MAR-89 1991 Plugged and abandoned, dry. NF ATP377P Surat 149°17'20" GL 234 09-MAR-89 1991 Plugged and abandoned, dry. NF ATP377P Surat 149°17'20" KB 72 20-DEC-89 1821 Cased and suspended as a EX ATT267P Eromanga 142'35'311" GL 124 Cased Brithead Fin oil producer. COMMAND MYRTLEMOUNT 1 Bowen/ 27°59'59" KB 229 28-FEB-89 1991 Plugged and abandoned, dry. NF ATP377P Surat 149°17'20" GL 234 09-MAR-89 1991 Plugged and abandoned, dry. NF ATP377P Surat 142'33'11" GL 124 Cased Brithead Fin oil producer. DELHI ROWEN 1 Cooper/ 27°4'40" KB 72 20-DEC-89 1821 Cased and suspended as a Fix NF ATT259P Eromanga 142'2'55" GL 67 29-DEC-89 1821 Cased and suspended as a NF ATT259P Eromanga 142'2'55" GL 67 29-DEC-89 1821 Cased and suspended as a NF ATT259P Eromanga 142'10'7" GL 71 22-SEP-89 1856 Cased and suspended as a NF ATT259P Eromanga 142'10'7" GL 71 22-SEP-89 1856 Cased and suspended as a NF ATT259P Eromanga 142'10'7" GL 71 22-SEP-89 1856 Cased and suspended as a NF ATT259P Eromanga 142'10'7" GL 71 22-SE	COMMAND							
COMMAND FAIRYMOUNT 6A Bowen 28"1'54" KB 253 15-APR-89 2190 Fairymonat 6A is a deviated EXATP377P Sunt 149"19"31" GL 240 26-APR-89 770 hole from Fairymonat 6 and was cased and suspended as a fature oil producer. COMMAND FAIRYMOUNT NORTH Bowen 28"0"13" KB 228 14-MAR-89 2071 Plugged and abandoned, dry. NP ATP377P Sunt 149"18"54" GL 222 23-MAR-89 2071 Plugged and abandoned, dry. NP ATP377P GL 222 23-MAR-89 2071 Plugged and abandoned, dry. NP ATP377P GL 222 23-MAR-89 2071 Plugged and abandoned, dry. NP ATP377P Eromanga 141"41"29" GL 122 10-AUG-89 932 Cased and suspended as a EXATP267P Eromanga 142"40"35" GL 113 15-SEP-89 1201 Cased and suspended as a NP ATP267P Eromanga 142"40"35" GL 113 15-SEP-89 1201 Cased and suspended as a NP ATP267P Eromanga 142"40"35" GL 124 25-AUG-89 1451 Cased and suspended as a NP ATP267P Eromanga 142"36"34" GL 124 25-AUG-89 1451 Cased and suspended as a NP ATP267P Eromanga 142"36"34" GL 124 25-AUG-89 1451 Cased and suspended as a NP ATP267P Eromanga 142"35"3"4 GL 124 25-AUG-89 1451 Cased and suspended as a NP ATP267P Eromanga 142"35"3"4 GL 124 25-AUG-89 1451 Cased and suspended as a NP ATP267P GL 234 09-MAR-89 1991 Plugged and abandoned, dry. NP ATP377P Surat 149"17"20" GL 234 09-MAR-89 1991 Plugged and abandoned, dry. NP ATP377P Surat 149"17"20" GL 234 09-MAR-89 1991 Plugged and abandoned, dry. NP ATP267P 142"33"11" GL 124 04-SEP-89 1076 Cased and suspended as a EXATP267P 142"33"11" GL 124 04-SEP-89 1076 Cased and suspended as a EXATP267P 142"33"11" GL 124 04-SEP-89 1076 Cased and suspended as a NP ATP267P 142"33"11" GL 124 04-SEP-89 1851 Cased and suspended as a NP ATP267P 142"33"11" GL 124 04-SEP-89 1852 Cased and suspended as a NP ATP267P 142"33"11" GL 124 04-SEP-89 1856 Cased and suspende		Bowen/	28°1'54"	KB 255	29-MAR-89	2125	Plugged and abandoned, dry.	EXT
FAIRYMOUNT 6A Bowen 28"1'54" KB 253 15-APR-89 2180 Fairymount 6A is a deviated EX ATP377P Surat 149"19"31" GL 249 26-APR-89 770 hole from Fairymount 6A is a deviated EX atps:	ATP377P	Surat	149°19'31″	GL 249	09-APR-89	2125		DEV
ATP377P Surat 149°19'31" GL 249 26.APR.89 770 hole from Fairymount 6 and was cased and suspended as a future oil producer. COMMAND FAIRYMOUNT NORTH 1 Bowes/ 28°0'13" KB 228 14-MAR.89 2071 Plugged and abandoned, dry. NF ATP377P Surat 149°18'54" GL 222 23-MAR.89 2071 COMMAND MAXWELL 3 Cooper/ 27°53'23" KB 128 05-AUG-89 932 Cased and suspended as a EX future Murta Mbr oil producer. NF ATP267P Eromanga 142°40°35" GL 113 15-SEP.89 1201 future Murta Mbr oil producer. NF ATP267P Eromanga 142°36'34" Gl 124 25-AUG-89 1451 future Murta Mbr oil producer. NF ATP267P Eromanga 142°36'34" Gl 124 25-AUG-89 1451 future Murta Mbr and Birkhead Fm oil producer. COMMAND MYRTLEMOUNT 1 Bowes/ 27°59'59" KB 239 23-EEB-89 1991 Plugged and abandoned, dry. NF ATP377P Surat 149°17'20" GL 234 09-MAR.89 1991 COMMAND MYRTLEMOUNT 1 Bowes/ 27°59'59" KB 239 25-EEB-89 1991 Plugged and abandoned, dry. NF ATP377P Surat 149°17'20" GL 234 09-MAR.89 1991 COMMAND MYRTLEMOUNT 1 Bowes/ 27°59'59" KB 129 02-SEP-89 1076 Cased and suspended as a EX ATP267P 142°33'11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer. EX ATP267P 142°33'11" GL 124 04-SEP-89 1076 Cased and suspended as a EX ATP267P 142°33'11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer. EX ATP267P 142°33'11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer. EX ATP267P 142°33'11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer from the Name Stat, Westbourne Fm, Heliton Stat and Adori St. DELHI COPELIA 1 Cooper/ 27°48'16" KB 76 16-SEP-89 1856 future Haiton Stat oil producer. NFI DELHI CORELIA 1 Cooper/ 27°48'16" KB 76 16-SEP-89 1856 future Haiton Stat oil producer. NFI DELHI ECHUBURRA NORTH 1 Cooper/ 27°49'34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NFI	COMMAND							
COMMAND ATP377P COMMAND FAIRYMOUNT NORTH 1 Bowen/ 28*0*13" KB 228 14-MAR-89 2071 Plugged and abandoned, dry. NF ATP377P Surat 149*18*54" GL 222 23-MAR-89 2071 COMMAND MAXWELL 3 Cooper/ 27*53*23" KB 128 05-AUG-89 932 Cased and suspended as a EX ATP267P Eromanga 141*41*29" GL 122 10-AUG-89 932 future Murta Mbr oil producer. EX COMMAND MAXWELL SOUTH 1 Cooper/ 27*54*24" KB 119 09-SEF-89 1201 future Murta Mbr oil producer. NF ATP267P Eromanga 142*40*35" GL 113 15-SEP-89 1201 future Murta Mbr oil producer. NF COMMAND MUTHERO 1 Cooper/ 27*42*45" KB 130 17-AUG-89 1451 future Murta Mbr oil producer. NF ATP267P Eromanga 142*36*34" GL 124 25-AUG-89 1451 future Murta Mbr and Birkhead Fm oil producer. COMMAND MUTHERO 1 Cooper/ 27*42*45" KB 239 28-FEB-89 1991 future Murta Mbr and Birkhead Fm oil producer. COMMAND MYRTLEMOUNT 1 Bowen/ 27*59*59" KB 239 28-FEB-89 1991 Plugged and abandoned, dry. NF ATP377P GL 23*41" GL 124 04-SEP-89 1076 Cased and suspended as a EX ATP267P 142*39*11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer. COMMAND WINNA 3 Eromanga 27*43*55" KB 129 02-SEP-89 1076 Cased and suspended as a EX ATP267P 142*39*11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer. EX DELHI BOWEN 1 Cooper/ 27*54*40" KB 72 20-DEC-89 1821 Cased and suspended as a NF ATP259P Eromanga 142*2*56" GL 67 29-DEC-89 1821 future future Murta Mbr oil producer. EX DELHI BOWEN 1 Cooper/ 27*54*40" KB 72 20-DEC-89 1821 Future future Murta Mbr oil producer. EX DELHI BOWEN 1 Cooper/ 27*54*10" KB 72 20-DEC-89 1821 future future Murta Mbr oil producer. EX DELHI BOWEN 1 Cooper/ 27*48*16" KB 76 16-SEP-89 1856 future Hutton Sst oil producer. NF Hetiton Sst and Adorf Sst. DELHI CORELLA 1 Cooper/ 27*48*16" KB 76 16-SEP-89 1856 future Hutton Sst oil producer. NF Hetiton	FAIRYMOUNT 6A	Bowen/	28°1'54"	KB 253	15-APR-89	2180	Fairymount 6A is a deviated	EXT
### FAIRYMOUNT NORTH 1 Bowen	ATP377P	Surat	149°19′31"	GL 249	26-APR-89	770	cased and suspended as a future	DEV
ATP37TP Surat 149°18'54" GL 222 23.MAR.89 2071 COMMAND MAXWELL 3 Cooper/ 27°53'23" KB 128 05.AUG.89 932 Cased and suspended as a EX ATP267P Eromanga 141'41'29" GL 122 10-AUG.89 932 future Murta Mbr oil producer. EX COMMAND MAXWELL SOUTH 1 Cooper/ 27°54'24" KB 119 09.SEP.89 1201 Cased and suspended as a NF ATP267P Eromanga 142'40'35" GL 113 15.SEP.89 1201 future Murta Mbr oil producer. NF COMMAND MUTHERO 1 Cooper/ 27'42'45" KB 130 17.AUG.89 1451 Cased and suspended as a NF ATP267P Eromanga 142'36'34" GL 124 25.AUG.89 1451 future Murta Mbr and Birkhead Fm oil producer. COMMAND MUTHERO 1 Cooper/ 27'42'45" KB 239 28.FEB.89 1991 Plugged and abandoned, dry. NF ATP37TP Surat 149°17'20" GL 234 09.MAR.89 1991 COMMAND WINNA 3 Eromanga 27'43'55" KB 129 02.SEP.89 1076 Cased and suspended as a EX ATP267P 142'33'11" GL 124 04.SEP.89 1076 future Murta Mbr oil producer. EX DELHI BOWEN 1 Cooper/ 27'54'40" KB 72 20.DEC.89 1821 Cased and suspended as a NF ATP259P Eromanga 142'25'6" GL 67 29.DEC.89 1821 Cased and suspended as a NF ATP259P Eromanga 142'26" GL 71 22.SEP.89 1856 Cased and suspended as a NF ATP259P Eromanga 142'10'7" GL 71 22.SEP.89 1856 future Murta Mbr oil producer. NF ATP259P Eromanga 142'10'7" GL 71 22.SEP.89 1856 future Hutton Sst oil producer. NF ATP259P Eromanga 142'10'7" GL 71 22.SEP.89 1856 future Hutton Sst oil producer. NF ATP259P Eromanga 142'10'7" GL 71 22.SEP.89 1856 future Hutton Sst oil producer. NF ATP259P Eromanga 142'10'7" GL 71 22.SEP.89 1856 future Hutton Sst oil producer. NF ATP259P Eromanga 142'10'7" GL 71 22.SEP.89 1856 future Hutton Sst oil producer. NF ATP259P Plaged and abandoned, dry. NF ATP259P Plaged and a								
COMMAND MAXWELL 3 Cooper/ Eromanga 141'41'29" GL 122 10-AUG-89 932 Cased and suspended as a EX ATP267P Eromanga 141'41'29" GL 122 10-AUG-89 932 Cuture Murta Mbr oil producer. EX COMMAND MAXWELL SOUTH 1 Cooper/ Eromanga 142'40'35" GL 113 15-SEP-89 1201 Cased and suspended as a NF ATP267P Eromanga 142'36'34" KB 130 17-AUG-89 1451 Cased and suspended as a NF ATP267P Eromanga 142'36'34" GL 124 25-AUG-89 1451 Cased and suspended as a NF ATP267P Eromanga 142'36'34" GL 124 25-AUG-89 1451 Cased and suspended as a NF ATP267P Eromanga 142'36'34" GL 124 25-AUG-89 1451 Fature Murta Mbr oil producer. NF COMMAND MYRTLEMOUNT 1 Bowen/ ATP377P Surat 149'17'20" GL 234 09-MAR-89 1991 Plugged and abandoned, dry. NF ATP377P COMMAND WINNA 3 Eromanga 27'43'55" KB 129 02-SEP-89 1076 Cased and suspended as a EX ATP267P Eromanga 142'33'11" GL 124 04-SEP-89 1076 Cased and suspended as a EX ATP269P Eromanga 142'2'56" GL 67 29-DEC-89 1821 Cased and suspended as a NF ATP259P Eromanga 142'2'56" GL 67 29-DEC-89 1821 Cased and suspended as a NF ATP259P Eromanga 142'2'56" GL 67 29-DEC-89 1821 Cased and suspended as a NF ATP259P Eromanga 142'2'56" GL 67 29-DEC-89 1821 Cased and suspended as a NF N		· · •					Plugged and abandoned, dry.	NFW
MAXWELL 3 Cooper/ Eromanga 27*53'23" KB 128 05-AUG-89 932 Cased and suspended as a EX future Murta Mbr oil producer. NF future M	Alrone	Surat	149-18/54"	GL 222	23-MAR-89	2071		DRY
ATP267P Eromanga 141°41°29" GL 122 10-AUG-89 932 future Murta Mbr oil producer. EX COMMAND MAXWELL SOUTH 1 Cooper/ 27°42′42″ KB 119 09-SEP-89 1201 future Murta Mbr oil producer. NF ATP267P Eromanga 142°40°35" GL 113 15-SEP-89 1201 future Murta Mbr oil producer. NF COMMAND MUTHERO 1 Cooper/ 27°42′45" KB 130 17-AUG-89 1451 Cased and suspended as a NF ATP267P Eromanga 142°36°34" GL 124 25-AUG-89 1451 future Murta Mbr and Birkhead Fm oil producer. COMMAND MYRTLEMOUNT 1 Bowen/ 27°59′59" KB 239 28-FEB-89 1991 Plugged and abandoned, dry. NF ATP377P Surat 149°17′20" GL 234 09-MAR-89 1991 COMMAND WINNA 3 Eromanga 27°43′55" KB 129 02-SEP-89 1076 Cased and suspended as a EX ATP267P 142°33°11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer. EX DELHI BOWEN 1 Cooper/ 27°54′40" KB 72 20-DEC-89 1821 Cased and suspended as a NF ATP259P Eromanga 142°2′56" GL 67 29-DEC-89 1821 future oil producer from the Namur Sst, Westbourne Fm, Hutton Sst and Adori Sst. DELHI CORELLA 1 Cooper/ 27°48′16" KB 76 16-SEP-89 1856 Cased and suppended as a NF ATP259P Eromanga 142°10′7" GL 71 22-SEP-89 1856 future Hutton Sst oil producer. NFI DELHI ECHUBURRA NORTH 1 Cooper/ 27°49′34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NFI ECHUBURRA NORTH 1 Cooper/ 27°49′34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NFI								
COMMAND MAXWELL SOUTH 1 Cooper/ 27'54'24" KB 119 09-SEP-89 1201 Cased and suspended as a NF ATP267P Eromanga 142'40'35" GL 113 15-SEP-89 1201 future Murta Mbr oil producer. NF COMMAND MUTHERO 1 Cooper/ 27'42'45" KB 130 17-AUG-89 1451 Cased and suspended as a NF ATP267P Eromanga 142'36'34" GL 124 25-AUG-89 1451 future Murta Mbr and NF Birkhead Fm oil producer. COMMAND MYRTLEMOUNT 1 Bowen/ 27'59'59" KB 239 28-FEB-89 1991 Plugged and abandoned, dry. NF ATP377P Surat 149'17'20" GL 234 09-MAR-89 1991 COMMAND WINNA 3 Eromanga 27'43'55" KB 129 02-SEP-89 1076 Cased and suspended as a EX ATP267P 142'33'11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer. EX DELHI BOWEN 1 Cooper/ 27'54'40" KB 72 20-DEC-89 1821 Cased and suspended as a NF ATP259P Eromanga 142"2'56" GL 67 29-DEC-89 1821 future oil producer from the Namur Sst, Westbourne Fm, Hutton Sst and Adorl Sst. DELHI CORELLA 1 Cooper/ 27'48'16" KB 76 16-SEP-89 1856 Cased and supended as a NF ATP259P Eromanga 142'10'7" GL 71 22-SEP-89 1856 future Hutton Sst oil producer. NFI DELHI ECHUBURRA NORTH 1 Cooper/ 27'49'34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NFI ECHUBURRA NORTH 1 Cooper/ 27'49'34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NFI		-					•	EXT
MAXWELL SOUTH 1 Coper/ Eromanga 27"54"24" KB 119 GL 133 15-SEP-89 1201 Tuture Murta Mbr oil producer. NF ATP267P Eromanga 142"40"35" GL 113 15-SEP-89 1201 Tuture Murta Mbr oil producer. NF COMMAND MUTHERO 1 ATP267P Eromanga 142"36"34" GL 124 25-AUG-89 1451 Tuture Murta Mbr and Birkhead Fm oil producer. NF COMMAND MYRTLEMOUNT 1 ATP37TP Surat 149"17"20" GL 234 09-MAR-89 1991 Plugged and abandoned, dry. NF COMMAND WINNA 3 Eromanga 27"43"55" KB 129 02-SEP-89 1076 Tuture Murta Mbr oil producer. Cased and suspended as a EX ATP267P 142"33"11" GL 124 04-SEP-89 1076 Tuture Murta Mbr oil producer. EX DELHI BOWEN 1 Cooper/ 27"54"40" KB 72 29-DEC-89 1821 Cased and suspended as a NF	ATP26/P	Eromanga	141°41'29"	GL 122	10-AUG-89	932	future Murta Mbr oil producer.	EXT
ATP267P Eromanga 142"40"35" GL 113 15-SEP-89 1201 future Murta Mbr oil producer. NF COMMAND MUTHERO 1 Cooper/ 27"42"45" KB 130 17-AUG-89 1451 Cased and suspended as a NF ATP267P Eromanga 142"36"34" GL 124 25-AUG-89 1451 future Murta Mbr and NF MYRTLEMOUNT 1 Bowen/ 27"59"59" KB 239 28-FEB-89 1991 Plugged and abandoned, dry. NF ATP377P Surat 149"17"20" GL 234 09-MAR-89 1991 Plugged and abandoned, dry. NF COMMAND WINNA 3 Eromanga 27"43"55" KB 129 02-SEP-89 1076 Cased and suspended as a EX ATP267P 142"33"11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer. EX DELHI BOWEN 1 Cooper/ 27"54"40" KB 72 20-DEC-89 1821 Cased and suspended as a NF ATP259P Eromanga 142"2"56" GL 67 29-DEC-89 1821 future oil producer from the NFI NAMBUR SSt, Westbourne Fm, Hutton Sst and Adori Sst. DELHI CORELLA 1 Cooper/ 27"48"16" KB 76 16-SEP-89 1856 Cased and supended as a NF ATP259P Eromanga 142"10"7" GL 71 22-SEP-89 1856 future Hutton Sst oil producer. NFI DELHI ECHUBURRA NORTH 1 Cooper/ 27"49"34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NFI ECHUBURRA NORTH 1 Cooper/ 27"49"34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NFI								
COMMAND MUTHERO 1 Cooper/ 27'42'45" KB 130 17-AUG-89 1451 Cased and suspended as a NF ATP267P Eromanga 142"36'34" GL 124 25-AUG-89 1451 future Murta Mbr and Birkhead Fm oil producer. COMMAND MYRTLEMOUNT 1 Bowen/ 27"59"59" KB 239 28-FEB-89 1991 Plugged and abandoned, dry. NF ATP377P Surat 149"17"20" GL 234 09-MAR-89 1991 Plugged and abandoned, dry. NF DR COMMAND WINNA 3 Eromanga 27"43"55" KB 129 02-SEP-89 1076 Cased and suspended as a EX ATP267P 142"33'11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer. EX DELHI BOWEN 1 Cooper/ 27"54"40" KB 72 20-DEC-89 1821 Cased and suspended as a NF ATP259P Eromanga 142"2'56" GL 67 29-DEC-89 1821 future oil producer from the Namur Sst, Westbourne Fm, Hutton Sst and Adori Sst. DELHI CORELLA 1 Cooper/ 27"48"16" KB 76 16-SEP-89 1856 Cased and supended as a NF ATP259P Eromanga 142"10"7" GL 71 22-SEP-89 1856 future Hutton Sst oil producer. NFI DELHI ECHUBURRA NORTH 1 Cooper/ 27"49"34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NFI ECHUBURRA NORTH 1 Cooper/ 27"49"34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NFI		-					•	NFW
MUTHERO 1 Cooper/ 27*42*45" KB 130 17-AUG-89 1451 Cased and suspended as a NF ATP267P Eromanga 142*36*34" GL 124 25-AUG-89 1451 future Murta Mbr and Birkhead Fm oil producer. COMMAND MYRTLEMOUNT 1 Bowen/ 27*59*59" KB 239 28-FEB-89 1991 Plugged and abandoned, dry. NF ATP377P Surat 149*17*20" GL 234 09-MAR-89 1991 COMMAND WINNA 3 Eromanga 27*43*55" KB 129 02-SEP-89 1076 Cased and suspended as a EX ATP267P 142*33*11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer. EX DELHI BOWEN 1 Cooper/ 27*54'40" KB 72 20-DEC-89 1821 Cased and suspended as a NF ATP259P Eromanga 142*2'56" GL 67 29-DEC-89 1821 future oil producer from the NET	AIr20/F	Eromanga	142*40*35"	GL 113	15-SEP-89	1201	future Murta Mbr oil producer.	NFD
ATP267P								
Birkhead Fm oil producer. Birkhead Fm oil producer.		=			17-AUG-89	1451	Cased and suspended as a	NFW
MYRTLEMOUNT 1 Bowen/ 27°59'59" KB 239 28-FEB-89 1991 Plugged and abandoned, dry. NF ATP377P Surat 149°17'20" GL 234 09-MAR-89 1991 Plugged and abandoned, dry. NF COMMAND WINNA 3 Eromanga 27°43'55" KB 129 02-SEP-89 1076 Cased and suspended as a EX ATP267P 142°33'11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer. EX DELHI BOWEN 1 Cooper/ 27°54'40" KB 72 20-DEC-89 1821 Cased and suspended as a NF ATP259P Eromanga 142°2'56" GL 67 29-DEC-89 1821 future oil producer from the NE NELHI CORELLA 1 Cooper/ 27°48'16" KB 76 16-SEP-89 1856 Cased and supended as a NF ATP259P Eromanga 142°10'7" GL 71 22-SEP-89 1856 future Hutton Sst oil producer. NFI DELHI ECHUBURRA NORTH 1 Cooper/ 27°49'34" KB 78	ATP267P	Eromanga	142°36'34"	GL 124	25-AUG-89	1451		NFD
ATP377P Surat 149°17'20" GL 234 09-MAR-89 1991 DR COMMAND WINNA 3 Eromanga 27°43'55" KB 129 02-SEP-89 1076 Cased and suspended as a EX ATP267P 142°33'11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer. EX DELHI BOWEN 1 Cooper/ 27°54'40" KB 72 20-DEC-89 1821 Cased and suspended as a NF ATP259P Eromanga 142°2'56" GL 67 29-DEC-89 1821 future oil producer from the NFI Namur Sst, Westbourne Fm, Hutton Sst and Adori Sst. DELHI CORELLA 1 Cooper/ 27°48'16" KB 76 16-SEP-89 1856 Cased and supended as a NF ATP259P Eromanga 142°10'7" GL 71 22-SEP-89 1856 future Hutton Sst oil producer. NFI DELHI ECHUBURRA NORTH 1 Cooper/ 27°49'34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NFI								
COMMAND WINNA 3 Eromanga 27°43′55" KB 129 02-SEP-89 1076 Cased and suspended as a EX ATP267P 142°33′11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer. EX DELHI BOWEN 1 Cooper/ 27°54′40" KB 72 20-DEC-89 1821 Cased and suspended as a NF ATP259P Eromanga 142°2′56" GL 67 29-DEC-89 1821 future oil producer from the NF! Namur Sst, Westbourne Fm, Hutton Sst and Adori Sst. DELHI CORELLA 1 Cooper/ 27°48′16" KB 76 16-SEP-89 1856 Cased and supended as a NF ATP259P Eromanga 142°10′7" GL 71 22-SEP-89 1856 future Hutton Sst oil producer. NF! DELHI ECHUBURRA NORTH 1 Cooper/ 27°49′34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NF'		· ·					Plugged and abandoned, dry.	NFW
WINNA 3		Sulat	149 17 20"	GL 234	09-MAK-89	1991		DRY
ATP267P 142°33'11" GL 124 04-SEP-89 1076 future Murta Mbr oil producer. EX DELHI BOWEN 1 ATP259P Eromanga 142°2'56" GL 67 29-DEC-89 1821 Cased and suspended as a NF NET Namur Sst, Westbourne Fm, Hutton Sst and Adori Sst. DELHI CORELLA 1 Cooper/ 27°48'16" KB 76 16-SEP-89 1856 Cased and supended as a NF ATP259P Eromanga 142°10'7" GL 71 22-SEP-89 1839 Plugged and abandoned, dry. NFI DELHI ECHUBURRA NORTH 1 Cooper/ 27°49'34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NFI								
DELHI BOWEN 1		Eromanga					=	EXT
BOWEN 1 Cooper/ 27°54'40" KB 72 20-DEC-89 1821 Cased and suspended as a NF ATP259P Eromanga 142°2'56" GL 67 29-DEC-89 1821 future oil producer from the NF Namur Sst, Westbourne Fm, Hutton Sst and Adori Sst. DELHI CORELLA 1 Cooper/ 27°48'16" KB 76 16-SEP-89 1856 Cased and supended as a NF ATP259P Eromanga 142°10'7" GL 71 22-SEP-89 1856 future Hutton Sst oil producer. NFI DELHI ECHUBURRA NORTH 1 Cooper/ 27°49'34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NF	ATP267P		142°33'11"	GL 124	04-SEP-89	1076	future Murta Mbr oil producer.	EXT
ATP259P Eromanga 142°2'56" GL 67 29-DEC-89 1821 future oil producer from the NFI Namur Sst, Westbourne Fm, Hutton Sst and Adori Sst. DELHI CORELLA 1 Cooper/ 27°48'16" KB 76 16-SEP-89 1856 Cased and supended as a NFI ATP259P Eromanga 142°10'7" GL 71 22-SEP-89 1856 future Hutton Sst oil producer. NFI DELHI ECHUBURRA NORTH 1 Cooper/ 27°49'34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NFI	DELHI							
Namur Sst, Westbourne Fm, Hutton Sst and Adori Sst. DELHI CORELLA 1 Cooper/ 27°48'16" KB 76 16-SEP-89 1856 Cased and supended as a NF ATP259P Eromanga 142°10'7" GL 71 22-SEP-89 1856 future Hutton Sst oil producer. NFI DELHI ECHUBURRA NORTH 1 Cooper/ 27°49'34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NF		-					-	NFW
CORELLA 1 Cooper/ 27°48'16" KB 76 16-SEP-89 1856 Cased and supended as a NF ATP259P Eromanga 142°10'7" GL 71 22-SEP-89 1856 future Hutton Sst oil producer. NFI DELHI ECHUBURRA NORTH 1 Cooper/ 27°49'34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NF	ATP259P	Eromanga	142°2'56"	GL 67	29-DEC-89	1821	Namur Sst, Westbourne Fm,	NFD
ATP259P Eromanga 142°10'7" GL 71 22-SEP-89 1856 future Hutton Sst oil producer. NFI DELHI ECHUBURRA NORTH 1 Cooper/ 27°49'34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NFI		_						
DELHI ECHUBURRA NORTH 1 Cooper/ 27°49'34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NF		=					-	NFW
ECHUBURRA NORTH 1 Cooper/ 27°49'34" KB 78 17-OCT-89 1839 Plugged and abandoned, dry. NF		таошанда	142 10 /"	GL /1	44-3Er-89	1000	tuture riution 5st off producer.	NFD
		Cooper/	27°40'34"	KR 72	17.00T-80	1830	Plugged and shandared des	NFW
P		Eromanga	142°11'47"	GL 73	23-OCT-89	1839		DRY

Table 7. (cont'd)

OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAL DEPTH TOTAL DRILLI	AND SHOWS	CLASSII CATION
					(m)		
			QUEENSL	AND (cont'd)			
DELHI							
GIDGEE 1	Cooper/	28°31'9"	KB 117	25-JUL-89	1631	Cased and suspended as a	NFW
ATP259P	Eromanga	141°8'0"	GL 112	31-JUL-89	1631	future Hutton Sst oil producer.	NFD
DELHI							
GIDGEE 2	Cooper/	28°30'50"	KB 117	24-NOV-89	1636	Plugged and abandoned, dry.	EXT
ATP259P	Eromanga	141°7'45"	GL 112	02-DEC-89	1636		DRY
DELHI							
MAHL 1	Cooper/	27°17'59"	KB 202	23-NOV-89	2879	Plugged and abandoned.	NFW
ATP259P	Eromanga	141°19'46"	GL 198	20-DEC-89	2879	Recovered oil from the Triassic.	NFD
DELHI							
MOOLIAMPAH 2	Cooper/	28°19'58"	KB 136	03-MAY-89	1798	Cased and suspended as a	EXT
ATP259P	Eromanga	141°16'52"	GL 131	11-MAY-89	1798	future Namur Sst oil producer.	EXT
MUNRO 4	Cooper/	28°32'14"	KB 127	16-NOV-89	1526	Plugged and abandoned, dry.	EXT
ATP259P	Eromanga	141°12'10"	GL 122	20-NOV-89	1526		DRY
DELHI NACCOWLAH 2	Cooper/	27°29'9"	KB 101	A1 TI TI PA	2201	Considered anomal dad as a	NFW
PL25	Eromanga	142°8'11"	GL 95	01-JUL-89 15-JUL-89	2201 2201	Cased and suspended as a future Murta Mbr oil producer.	NF W NFD
	Ü						
DELHI							
ORIENTOS 2	Cooper/	28°2'58"	KB 140	11-DEC-89	1589	Cased and suspended as a	NFW
ATP259P	Eromanga	141°25'36"	GL 135	18-DEC-89	1589	future Murta Mbr oil producer.	NFD
DELHI							
PARAGILGA 1	Cooper/	28°32'54"	KB 113	06-AUG-89	1511	Plugged and abandoned, dry.	NFW
ATP259P	Eromanga	141°4'19"	GL 108	12-AUG-89	1511		DRY
DELHI							
PINAROO 1	Cooper/	28°9'4"	KB 87	17-AUG-89	1850	Cased and suspended as a	NFW
ATP259P	Eromanga	141°59'52"	GL 81	24-AUG-89	1850	future Hutton Sst oil producer.	NFD
DELHI							
WANDILO 1 ATP259P	Cooper/ Eromanga	28°4'12" 142°1'34"	KB 82 GL 77	01-SEP-89 07-SEP-89	1793 1793	Cased and suspended as a future Hutton Sst oil producer.	NFW NFD
	Liomanga	142 1 54	GL II	V7-3EF-07	1793	tutule riution 38t on producer.	NID
DELHI		008114			-		***
WANDILO 2 ATP259P	Cooper/	28°4'6" 142°1'17"	KB 79	01-OCT-89	1748	Cased and suspended as a	EXT EXT
	Eromanga	194 i 1/"	GL 74	08-OCT-89	1748	future Hutton Sst oil producer.	EAI
DELHI							
YANBEE 1	Cooper/	26°50'3"	KB 91	31-OCT-89	2592	Plugged and abandoned, dry.	NFW
ATP259P	Eromanga	141°1'3"	GL 86	16-NOV-89	2592		DRY
GSQ							
GSQ LONGREACH 1	Eromanga/	23°6'60"	KB na	19-AUG-89	1297	Plugged and abandoned, dry.	STR
ATP166P	Galilee	144°34'60"	GL na	03-NOV-89	1341		DRY

Table 7. (cont'd)

OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAL DEPTH TOTAL DRILL (m)	AND SHOWS	CLASSIFI CATION
			QUEENSLA	AND (cont'd)			
GSQ							
GSQ MANEROO 1	Eromanga	23°22'60"	KB na	16-NOV-89	-	Temporarily suspended.	STR
ATP271P		143°27'60"	GL na	-	623		-
HARTOGEN							
BERANGA 1	Bowen/	27°4'28"	KB 79	23-SEP-89	1849	Plugged and converted to a	NFW
ATP375P	Surat	149°2'6"	GL 77	10-OCT-89	1849	water well.	DRY
HADTOCENI							
HARTOGEN LETHBRIDGE 1	Bowen/	27°5'50"	KB 315	16-OCT-89	1652	Plugged and converted to a	NFW
PL22	Surat	148°55'39"	GL 311	26-OCT-89	1652	water well.	DRY
LASMO							
ALBILBAH 1	Eromanga/	24°48'26"	KB 284	09-MAY-89	1886	Plugged and converted to a	NFW
ATP269(2)P	Adavale	144°14'34"	GL 279	21-MAY-89	1886	water well.	DRY
LASMO							
DEVONDALE 1	Bowen/	26°57'5"	KB 340	24-AUG-89	1131	Plugged and abandoned, dry.	NFW
ATP261P	Surat	150°34'44"	GL 335	31-AUG-89	1131		DRY
LASMO							
EROUNGHOOLA 1	Eromanga	26°43'27"	KB 158	28-NOV-89	1612	Plugged and converted to a	NFW
ATP269(2)		143°20'26"	GL 153	06-DEC-89	1612	water well.	DRY
I 40340							
LASMO FINNISH 1	Coomen	2604715611	DT 202	21 1111 00	1520	Manual and at a damed dame	MOM
ATP269P	Cooper/ Eromanga	26°47'56" 143°14'23"	RT 203 GL 198	21-JUL-89 31-JUL-89	1539 1539	Plugged and abandoned, dry.	NFW DRY
	LAVIIIIIIIga	145 14 25	OL 190	31-1012-09	1339		DKI
LASMO							
KENMORE 11	Cooper/	26°39'7"	KB 177	07-JUL-89	1460	Completed as a Hutton Sst	EXT
PL32	Eromanga	143°25'60"	GL 172	13-JUL-89	1460	oil producer.	EXT
	J						
LASMO							
STONEHENGE 1	Eromanga	23°58'21"	KB 201	04-JAN-89	1683	Plugged and converted to a	NFW
ATP268P		143°11'25"	GL 196	15-JAN-89	1683	water well.	DRY
LASMO							
UPSHOT 1	Eromanga	23°56'60"	KB 170	21-JAN-89	1144	Plugged and converted to a	NFW
ATP268P		143°24'17"	GL 164	28-JAN-89	1144	water well.	DRY
SANTOS							
CHOOKOO 7 ATP259P	Cooper/	27°33'25"	KB 88	30-DEC-88	1932	Cased and suspended as a	DEV
nii Wyf	Eromanga	142°8'26"	GL 83	08-JAN-89	1478	future Hutton Sst oil producer	DEV
SANTOS							
SANTOS CHOOKOO 8	Cooper/	77°22;20#	KB 84	21 NOV 90	1000	Casad and avanands 3	DEV
PL26	Cooper/ Eromanga	27°33'38" 147°7'38"	KB 84 GL 78	21-NOV-89 04-DEC-89	1889 1889	Cased and suspended as a future Hutton Sst oil producer.	DEV DEV
	~~~musi &a	24, 7, 20	CD .0	V-1-D10-07	1007	Lature Transit Sat on producer.	<i>D</i> 1.1
SANTOS							
COOROO 4	Cooper/	27°43'10"	KB 82	04-JUL-89	1917	Cased and suspended as a	DEV
PL36	Eromanga	142°17'28"	GL 77	13-JUL-89	1917	future Hutton Sst oil producer.	DEV

Table 7. (cont'd)

OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAL DEPTH TOTAL DRILL (m)	I AND L SHOWS	CLASSIFI CATION
		(	QUEENSLA	AND (cont'd)			
SANTOS							
COOROO 5 PL36	Cooper/ Eromanga	27°42'59" 142°17'9"	KB 84 GL 78	30-OCT-89 05-NOV-89	1905 1905	Cased and suspended as a future Hutton Sst and Birkhead Fm oil producer.	DEV
SANTOS							
JACKSON 36 PL23	Cooper/ Eromanga	27°36'4" 142°25'19"	KB 121 GL 116	22-MAY-89 27-MAY-89	1542 1542	Cased and suspended as a future Westbourne Fm and Hutton Sst oil producer.	DEV
SANTOS							
JACKSON SOUTH 8 PL24	Cooper/ Eromanga	27°39'12" 142°25'26"	KB 104 GL 99	02-FEB-89 06-FEB-89	1531 1531	Cased and suspended as a future Westbourne Fm and Hutton Sst oil producer.	DEV DEV
SANTOS							
MOOLIAMPAH 3 ATP259P	Cooper/ Eromanga	28°19'42" 14116'59"	KB 139 GL 134	27-DEC-89 -	311	Drilling ahead.	DEV -
SANTOS	<b>.</b>						
NACCOWLAH SOUTH 12 PL25	Cooper/ Eromanga	27°31'43" 142°5'48"	KB 81 GL 75	14-JAN-89 23-JAN-89	1911 1911	Cased and suspended as a future Hutton Sst and Toolachee Fm oil and gas producer.	DEV NPD
SANTOS							
NACCOWLAH SOUTH 13 PL25	Cooper/ Eromanga	27°31'37" 142°6'16"	KB 89 GL 84	20-JUN-89 27-JUN-89	1957 1957	Cased and suspended as a future Hutton Sst oil producer.	DEV DEV
SANTOS							
NACCOWLAH SOUTH 14 PL25	Cooper/ Eromanga	27°31'21" 142°5'29"	KB 80 GL 75	02-JUN-89 14-JUN-89	1945 1945	Plugged and abandoned, dry.	DEV DRY
SANTOS							
NACCOWLAH WEST 9 PL25	Cooper/ Eromanga	27°31'29" 142°6'56"	KB 84 GL 78	05-NOV-89 13-NOV-89	1904 1904	Cased and suspended as a future Hutton Sst oil producer.	DEV DEV
SANTOS WATSON SOUTH 3	Cooper/	28°8'2"	KB 86	09-DEC-89	1714	Plugged and abandoned.	DEV
PL35	Eromanga	142°2'53"	GL 81	16-DEC-89	1714	Recovered 168m of oil.	DEV

## Table 7. (cont'd)

WELLS DRILLE	D FOR PETRO	LEUM EXPLO	RATION, D	EVELOPME	NT, AND PF	RODUCTION BY	STATE - 1989
OPERATOR	BASIN	LOCATION	ELEVA-	DATES	TOTAL	STATUS	CLASSIFI-
WELL		LAT. (S)	TION	SPUD	DEPTH	AND	CATION
		LONG. (E)	(m)	TD	TOTAL	SHOWS	
					DRILLED		
					( <b>m</b> )		

## QUEENSLAND (cont'd)

#### METRES DRILLED

WELLS	ONSHORE	OFFSHORE	TOTAL
EXPLORATION	83 936	-	83 936
DEVELOPMENT	29 080	-	29 080
TOTAL	113 016	-	113 016

NEW SOUTH WALES
NO DRILLING ACTIVITY

Table 7. (cont'd)

			Table 7	(cont'd)			
WELLS DRILLED OPERATOR WELL	D FOR PETRO BASIN	LEUM EXPLOI LOCATION LAT. (S) LONG. (E)	RATION, D ELEVA- TION (m)	EVELOPMEI DATES SPUD TD	TOTAI DEPTH TOTAI DRILL (m)	H AND L SHOWS	CLASSIFI- CATION
			VICT	ORIA			
ESSO							
ADMIRAL 1 Vic/P19	Gippsland	38°9'12" 148°38'51"	KB 21 WD 101	21-NOV-89 04-DEC-89	1850 1850	Plugged and abandoned, dry.	NFW DRY
ESSO							
BLACKBACK 1 Vic/P24	Gippsland	38°33'3" 148°33'43"	KB 21 WD 418	25-MAR-89 29-JUN-89	4401 5451	Plugged and abandoned as an extension to the Hapuku field and a deep pool oil discovery.	EXT DPD
ESSO BREAM A 2 Vic/L13	Gippsland	38°30'5" 147°46'16"	RT 34 WD 60	19-JUL-89 27-JUL-89	2089 2089	Completed as a future oil producer.	DEV DEV
ESSO BREAM A 4 Vic/L13	Gippsland	38°30'5" 147°46'16"	KB 34 WD 60	18-SEP-89 11-NOV-89	2845 5217	Completed as a future oil producer.	DEV DEV
ESSO BREAM A 6	Gippsland	38°30'5"	RT 34	08-FEB-89	2138	Completed as a future oil	DEV
Vic/L13	o.ppolunu	147°46'16"	WD 60	18-FEB-89	2138	producer.	DEV
ESSO							
BREAM A 8 Vic/L13	Gippsland	38°30'5" 147°46'16"	RT 34 WD 60	16-DEC-88 12-JAN-89	3093 433	Completed as a future oil producer.	DEV DEV
ESSO BREAM A 9 Vic/L13	Gippsland	38°30'5" 147°46'16"	RT 34 WD 60	18-FEB-89 28-FEB-89	1166 2527	Plugged and abandoned, mechanical problems.	EXT DRY
ESSO BREAM A 10 Vic/L13	Gippsland	38°30'5" 147°46'16"	RT 34 WD 60	01-MAY-89 26-MAY-89	3302 3302	Completed as a future oil producer.	DEV DEV
ESSO							
BREAM A 15 Vic/L13	Gippsland	38°30'5" 147°46'16"	RT 34 WD 60	24-JUN-89 12-JUL-89	2215 2215	Completed as a gas injection well.	DEV SRV
ESSO BREAM A 17 Vic/L13	Gippsland	38°30'5" 147°46'16"	RT 34 WD 60	04-MAR-89 29-MAR-89	3244 3244	Completed as a future oil producer.	DEV DEV
ESSO BREAM A 18 Vic/L13	Gippsland	38°30'5" 147°46'16"	KB 34 WD 60	17-NOV-89 26-NOV-89	2333 2333	Completed as a future oil producer.	DEV DEV
ESSO BREAM A 21 Vic/L13	Gippsland	38°30'5" 147°46'16"	RT 34 WD 60	30-JUL-89 03-SEP-89	2937 2937	Completed as a future oil producer.	DEV DEV

Table 7. (cont'd)

	Table 7. (cont'd) WELLS DRILLED FOR PETROLEUM EXPLORATION, DEVELOPMENT, AND PRODUCTION BY STATE - 1989										
WELLS DRILLED OPERATOR WELL	FOR PETRO BASIN	LEUM EXPLOI LOCATION LAT. (S) LONG. (E)	RATION, D ELEVA- TION (m)	EVELOPMEN  DATES SPUD TD	NT, AND TOTAL DEPTH TOTAL DRILLI (m)	STATUS AND SHOWS	E - 1989 CLASSIFI CATION				
			VICTORI	(A (cont'd)							
ESSO											
BREAM A 26 Vic/L13	Gippsland	38°30'5" 147°46'16"	RT 34 WD 60	22-DEC-89 -	- 1640	Drilling ahead.	DEV -				
ESSO											
CONGER 1 Vic/P26	Gippsland	38°21'27" 148°3'47"	KB 21 WD 64	25-FEB-89 14-MAR-89	2970 2970	Plugged and abandoned, dry.	NFW DRY				
ESSO DOLPHIN 2	Gippsland	38°29'20"	KB 42	21-OCT-89	1421	Completed for future oil	DEV				
Vic/L15	o-pp	147°22'34"	WD 38	26-OCT-89	1421	production from monotower facility.	DEV				
ESSO											
FORTESCUE A 8C Vic/L 5	Gippsland	38°24'32" 148°16'37"	KB 35 WD 69	20-APR-89 05-MAY-89	3300 3300	Completed as a future oil producer.	DEV DEV				
ESSO											
FORTESCUE A 15A Vic/L 5&6	Gippsland	38°24'32" 148°16'37"	KB 35 WD 69	22-MAY-89 16-JUN-89	3663 3663	Completed as a future oil producer.	DEV DEV				
ESSO											
HARLEQUIN 1 Vic/P1	Gippsland	38°12'1" 147°42'28"	KB 21 WD 44	06-JAN-89 01-FEB-89	2575 2575	Plugged and abandoned, dry.	NFW DRY				
ESSO MULLOWAY 1	Gianaland	20°10/24#	VD 01	A9 PPD 00	1521	G111-1	<b>3.7879.7</b>				
Vic/P27	Gippsland	38°19'24" 147°29'2"	KB 21 WD 37	08-FEB-89 19-FEB-89	1721 1721	Cased and suspended as a future Latrobe oil producer.	NFW NFD				
ESSO PERCH 3	Clauster	2082014.48	77D 40	10.000.00	1000		227				
Vic/P25	Gippsland	38°29'14" 147°19'17"	KB 43 WD 42	10-OCT-89 14-OCT-89	1332 1332	Cased and suspended as a future Latrobe oil producer.	DEV DEV				
ESSO											
SWEETLIPS 1 Vic/L10	Gippsland	38°5'47" 148°2'9"	KB 21 WD 52	26-JUL-89 18-AUG-89	1728 2780	Plugged and abandoned as a uneconomic oil/gas discovery.	NFW NFD				
ESSO											
TRUMPETER 1 Vic/L 5	Gippsland	38°24'49" 148°20'57"	KB 21 WD 85	08-SEP-89 05-OCT-89	3465 3465	Plugged and abandoned, dry	NFW DRY				
ESSO WHITING A 2	Ginreland	20°1 #220#	DT 42	AK 1111 0A	2415	Constantance	DEV				
Vic/L2	Gippsland	38°14'30" 147°52'21"	RT 46 WD 53	05-JUL-89 13-JUL-89	2415 2415	Cased and suspended as a future Latrobe oil producer.	DEV DEV				
ESSO	<b></b>										
WHITING A 3 Vic/L 2	Gippsland	38°14'30" 147°52'21"	RT 46 WD 53	02-AUG-89 10-AUG-89	2145 2145	Cased and suspended as a future Latrobe Fm oil producer.	DEV DEV				

Table 7. (cont'd)

OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAL DEPTH TOTAL DRILLEI (m)	STATUS AND SHOWS	CLASSIFI CATION
			VICTORIA	A (cont'd)			
ESSO							
WHITING A 5 Vic/L 2	Gippsland	38°14'30" 147°52'21"	RT 46 WD 53	28-AUG-89 13-SEP-89	2896 4196	Cased and suspended as a future Latrobe Fm oil producer.	DEV DEV
ESSO		_					
WHITING A 6 Vic/L 2	Gippsland	38°14'30" 147°52'21"	RT 46 WD 53	11-AUG-89 22-AUG-89	2921 2921	Completed as a gas injection well.	DEV SRV
ESSO WHITING A 7	Classical	2081 4120#	DT 46	17 11 11 00	2120	C	DEV
Vic/L 2	Gippsland	38°14'30" 147°52'21"	RT 46 WD 53	17-JUL-89 31-JUL-89	3120 3120	Cased and suspended as a future Latrobe Fm oil producer.	DEV DEV
GAS AND FUEL							
MCEACHERN 1 PEP119	Otway	37°33'51" 141°11'26"	KB na GL 76	19-DEC-89 -	- 2084	Drilling ahead.	NFW -
MINORA							
WINDERMERE 2 PEP111	Otway	38°14'11" 142°1'20"	KB 52 GL 49	09-MAR-89 13-APR-89	3595 3595	Plugged and abandoned, mnr gas shows.	EXT DRY
PETROFINA							
ANEMONE 1 Vic/P20	Gippsland	38°45'52" 148°19'49"	KB 27 WD 231	29-MAY-89 04-SEP-89	4775 5483	Plugged and abandoned as a non-commercial gas/condensate discovery.	NFW NFD
PETER OFFICE							
PETROFINA ANGLER 1	Gippsland	38°39'35"	KB 27	24-MAR-89	4330	Plugged and abandoned as a	NFW
Vic/P20		148°26'29"	WD 274	13-MAY-89	4330	non-commercial gas/ condensate discovery.	NFD
SHELL							
JUDITH 1 Vic/P11	Gippsland	38°9'18" 148°33'20"	KB 21 WD 76	14-OCT-89 14-NOV-89	2958 2958	Plugged and abandoned, dry.	NFW DRY
SHELL							
SHARK 1 Vic/P22	Gippsland	38°15'35" 149°3'7"	KB 27 WD 348	25-OCT-89 28-NOV-89	3518 3518	Plugged and abandoned, dry.	NFW DRY
				METRES I	PRILLED		
			WELLS	ONSHORE	OFFSHOR	RE TOTAL	
			EXPLORATION DEVELOPMENT	5 679	39 62 50 06		
			TOTAL	5 679	89 68	9 95 368	

TASMANIA
NO DRILLING ACTIVITY

Table 7. (cont'd)

OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAL DEPTH TOTAL DRILLEI (m)	PRODUCTION BY STAT STATUS AND SHOWS	CLASSII-I- CATION
			SOUTH A	USTRALIA			
CULTUS							
COPA 1 EPP23	Otway	37 41' 18" 139 45'21"	KB 27 WD 93	16-DEC-89 -	2317	Drilling ahead.	NFW -
HARTOGEN							
BOOL LAGOON 1 PEL 27	Otway	37°8'47" 140°37'56"	KB 169 GL 164	10-NOV-89 15-NOV-89	782 782	Plugged and abandoned, dry.	NFW DRY
SANTOS							
ALWYN 3 PPL36	Cooper/ Eromanga	28°29'38" 140°19'41"	KB 35 GL 30	29-AUG-89 07-SEP-89	1302 1302	Cased and suspended as a MacKinlay Mbr and Murta Mbr. oil producer.	EXT NPD
SANTOS AMYEMA 1	<b>G</b> araged	000001558	T7D 04	443447			
PPL13	Cooper/ Eromanga	28°22'55" 140°56'30"	KB 91 GL 85	14-MAY-89 27-MAY-89	2403 2403	Cased and suspended as a future Patchawarra Fm gas producer.	NFW NFD
SANTOS							
ARABURG 1 PEL 5,6	Cooper/ Eromanga	26°25'44" 140°57'44"	KB 180 GL 175	14-FEB-89 01-MAR-89	2395 2395	Plugged and abandoned, dry.	NFW DRY
SANTOS							
ARRAKIS NORTH 1 PEL 5,6	Cooper/ Eromanga	28°10'46" 139°58'42"	KB 40 GL 34	03-JAN-89 22-JAN-89	2492 2492	Cased and suspended as a future Epsilon Fm gas producer.	NFW NFD
SANTOS							
ATREIDES 1 PEL 5,6	Cooper/ Eromanga	28°14'23" 139°58'20"	KB 32 GL 27	12-OCT-89 24-OCT-89	2289 2289	Cased and suspended as a future Patchawarra Fm gas producer.	NFW NFD
SANTOS BIG LAKE 45	<b>O</b> ne seed	0084 510 511	4.				
PPL11	Cooper/ Eromanga	28°17'37" 140°14'32"	KB 44 GL 39	23-JUL-89 10-AUG-89	2719 2719	Cased and suspended as a future Toolachee Fm and Epsilon Fm gas producer.	EXT EXT
SANTOS							
BIG LAKE 46 PPL11	Cooper/ Eromanga	28°11'17" 140°21'18"	KB 41 GL 36	12-AUG-89 08-SEP-89	3075 3075	Cased and suspended as a future Toolachee Fm gas producer.	EXT EXT
SANTOS							
BIG LAKE 47 PPL11	Cooper/ Eromanga	28°17'9" 140°13'45"	KB 43 GL 38	17-NOV-89 05-DEC-89	2708 2708	Cased and suspended as a future Toolachee Fm gas producer.	EXT EXT
SANTOS BRUMBY 5	Cooper/	28°24'4"	KB 87	23-JUL-89	2368	Plugged and abandoned, dry.	EXT
PPL13	Eromanga	140°58'8"	GL 81	04-AUG-89	2368	2.200 and availabiled, thy.	DRY

Table 7. (cont'd)

OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAL DEPTI TOTAL DRILL (m)	H AND L SHOWS	CLASSIFI CATION
		so	UTH AUST	RALIA (cont	'd)		
SANTOS							
BUCKINNA 2 PEL 5,6	Cooper/ Eromanga	28°24'3" 140°28'38"	KB 45 GL 40	10-OCT-89 17-OCT-89	1655 1655	Plugged and abandoned, dry.	NFW DRY
SANTOS							
BUNGEE 2 PEL 5,6	Cooper/ Eromanga	28°29'24" 140°8'52"	KB 33 GL 27	19-SEP-89 03-OCT-89	2527 2527	Cased and suspended as a future Patchawarra Fm gas producer.	EXT EXT
SANTOS							
PEL 5,6	Cooper/ Eromanga	28°10'50" 139°32'3"	KB 25 GL 20	30-SEP-89 06-OCT-89	1754 1754	Plugged and abandoned, dry.	NFW DRY
SANTOS							
COWRALLI 3 PEL 5,6	Cooper/ Eromanga	27°53'11" 140°1'15"	KB 38 GL 34	04-APR-89 29-APR-89	3305 3305	Plugged and abandoned, dry.	EXT DRY
SANTOS							
DERAMOOKOO 1 EL 5,6	Cooper/ Eromanga	27°10'5" 140°33'21"	KB 38 GL 34	02-OCT-89 25-OCT-89	2647 2647	Plugged and abandoned, dry.	NFW DRY
SANTOS							
DULLINGARI 45 PPL12	Cooper/ Eromanga	28°8'50" 140°51'37"	KB 88 GL 82	11-MAY-89 01-JUN-89	2872 2872	Plugged and abandoned, dry.	EXT DRY
SANTOS							
GIDGEALPA 34 PPL6	Cooper/ Eromanga	28°2'2" 139°59'58"	KB 37 GL 31	07-FEB-89 16-FEB-89	2265 2265	Cased and suspended as a future Tirrawarra Sst gas producer.	EXT EXT
SANTOS							
GIDGEALPA 35 PPL6	Cooper/ Eromanga	28°0'42" 140°2'3"	KB 37 GL 32	26-APR-89 15-MAY-89	2316 2316	Cased and suspended as a future Toolachee Fm gas producer.	EXT EXT
SANTOS							
GIDGEALPA 36 PPL6	Cooper/ Eromanga	28°1′10" 139°59'27"	KB 34 GL 29	21-OCT-89 02-NOV-89	2390 2390	Cased and suspended as a future Patchawarra Fm gas/condensate producer.	DEV DEV
SANTOS							
GIDGEALPA 37 PPL6	Cooper/ Eromanga	28°1'2" 139°59'39"	KB 35 GL 29	06-DEC-89 12-DEC-89	1892 1892	Cased and suspended as a future oil producer.	DEV DEV
SANTOS GOORANIE 3	Cooper	27°44'22"	<b>γ</b> ρ ε2	10 1431 90	2125	Dingged and shandened dur	EXT
PEL 5,6	Cooper/ Eromanga	27°44'22" 140°5'59"	KB 53 GL 48	10-JAN-89 03-FEB-89	3135 3135	Plugged and abandoned, dry.	DRY
SANTOS							
JENA 3 PPL36	Cooper/ Eromanga	28°31'26" 140°19'29"	KB 40 GL 35	11-AUG-89 16-AUG-89	1286 1286	Cased and suspended as a future Murta Mbr oil producer.	EXT EXT

Table 7. (cont'd)

OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAL DEPTH TOTAL DRILLEI (m)	PRODUCTION BY STATUS AND SHOWS	CLASSIFI CATION
		so	UTH AUST	RALIA (cont'	d)		
SANTOS							
JENA 4	Cooper/	28°30'39"	KB 37	21-AUG-89	1276	Cased and suspended as a	DEV
PPL36	Eromanga	140°18'11"	GL 31	24-AUG-89	1276	future McKinlay Mbr and Murta Mbr oil producer.	DEV
SANTOS							
JENA 5	Cooper/	28°30'58"	KB 35	07-SEP-89	1578	Cased and suspended as a	DEV
PPL36	Eromanga	140°18'24"	GL 30	13-SEP-89	1578	future McKinlay Mbr oil producer. Recovered 9m oil from Courikiana Fm	NPD
SANTOS							
JENA 6 PPL36	Cooper/ Eromanga	28° 31' 25" 140°18'35"	KB 38 GL 33	29-DEC-89 -	-; 601	Drilling ahead.	DEV -
SANTOS							
KEENA 2 PEL 5,6	Cooper/ Eromanga	28°12'11" 139°53'27"	KB 37 GL 33	28-AUG-89 07-SEP-89	2009 2009	Cased and suspended as a future Patchwarra Fm gas/condensate producer.	EXT NPD
SANTOS							
KURUNDA 4 PPL6	Cooper/ Eromanga	28°4'38" 139°55'23"	KB 31 GL 27	10-JUN-89 22-JUN-89	2658 2658	Cased and suspended as a future Patchawarra Fm and Tirrawarra Sst gas producer.	EXT EXT
SANTOS LYCIUM 1	Cooper/	28°1'52"	KB 26	22-AUG-89	2250	Plugged and converted to a	NFW
PEL 5,6	Eromanga	139°31'10"	GL 22	04-SEP-89	2250	water well. Recovered 206m oil from Patchawarra Fm.	NFD
SANTOS MARSILEA 1	Connect	28°21'15"	WD A1	17 ADD 80	0490		NFW
PPL13	Cooper/ Eromanga	140°56'17"	KB 91 GL 85	17-APR-89 04-MAY-89	2489 2489	Cased and suspended as a future Patchawarra Fm gas producer.	NFD
SANTOS							
MERRIMELIA 27 PPL17	Cooper/ Eromanga	27°44'35" 140°10'39"	KB 52 GL 47	08-NOV-89 15-NOV-89	1965 1965	Plugged and abandoned, dry.	DEV DRY
SANTOS MERRIMELIA 28	Coonerl	270451541	VD 42	22 NOV 80	1026	Discord and about and dur	EXT
PPL17	Cooper/ Eromanga	27°45'56" 140°9'6"	KB 42 GL 36	23-NOV-89 28-NOV-89	1936 1936	Plugged and abandoned, dry.	DRY
SANTOS							
METTIKA 1 PPL24	Cooper/ Eromanga	28°19'58 <u>"</u> 140°57'37"	KB 89 GL 83	12-JAN-89 02-FEB-89	2481 2481	Cased and suspended as a future Patchawarra Fm gas/condensate producer.	NFW NFD
SANTOS							
METTIKA 2 PEL 5,6	Cooper/ Eromanga	28°20'41" 140°57'51"	KB 80 GL 74	08-JUN-89 26-JUN-89	2554 2554	Cased and suspended as a future Patchawarra Fm gas/condensate producer.	EXT EXT

OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAL DEPTH TOTAL DRILLI (m)	AND SHOWS	CLASSIFI- CATION
		so	UTH AUST	RALIA (cont	'd)		
SANTOS							
METTIKA 3 PEL 5,6	Cooper/ Eromanga	28°19'1" 140°57'44"	KB 84 GL 78	21-JUL-89 03-AUG-89	2544 2544	Cased and suspended as a future Patchawarra Fm gas producer.	EXT EXT
SANTOS							
MOOMBA 62 PPL8	Cooper/ Eromanga	28°7'14" 140°11'27"	KB 39 GL 34	14-DEC-88 12-JAN-89	2975 607	Plugged and abandoned after encountering minor gas in the Patchawarra Fm.	EXT EXT
SANTOS MOOMBA 63	Cooperl	20°225211	VD 27	14 007 90	2025	0	PV/
PPL7	Cooper/ Eromanga	28°2'52" 149°9'4"	KB 37 GL 32	14-OCT-89 08-NOV-89	2935 2935	Cased and suspended as a future Daralingie Fm, Patchawarra Fm and Tirrawarra Sst gas producer.	EXT EXT
SANTOS							
MUDERA 4 PEL 5,6	Cooper/ Eromanga	28°10'27" 140°34'10"	KB 44 GL 38	23-FEB-89 08-MAR-89	2499 2499	Plugged and abandoned, dry.	EXT DRY
SANTOS							
MULKARRA WEST 1 PEL 5,6	Cooper/ Eromanga	27°51'41" 138°40'2"	KB 33 GL 28	01-FEB-89 06-FEB-89	1287 1287	Plugged and abandoned, dry.	NFW DRY
SANTOS							
MUTEROO 5 PPL32	Cooper/ Eromanga	28°8'7" 139°53'35"	KB 47 GL 42	15-FEB-89 24-FEB-89	2018 2018	Cased and suspended as a future Hutton Sst oil producer.	EXT EXT
SANTOS							
PAPYRUS 1 PEL 5,6	Cooper/ Eromanga	28°12'14" 139°38'13"	KB 28 GL 23	06-JUL-89 14-JUL-89	2134 2134	Plugged and abandoned, dry.	NFW DRY
PELICAN 4 (SANTOS) PEL 5,6	Cooper/ Eromanga	27°48'33" 140°6'21"	KB 41 GL 36	11-FEB-89 28-FEB-89	2822 2822	Plugged and abandoned, dry	EXT DRY
SANTOS							
PELICAN 5 (SANTOS) PEL 5,6	Cooper/ Eromanga	27°46'17" 140°6'53"	KB 40 GL 35	17-SEP-89 02-OCT-89	2769 2769	Cased and suspended as a future Patchawarra Fm gas producer.	DEV DEV
SANTOS							
PONDRINIE 4 PEL 5,6	Cooper/ Eromanga	27°33'48" 140°39'58"	KB 122 GL 117	16-JAN-89 02-FEB-89	2320 2320	Cased and suspended as a future Tirawarra Sst, Patchawarra Fm and Nappamerri Fm gas producer.	EXT EXT
SANTOS PONDRINIE 5	Cooper/	27°33'54"	KB 116	10-SEP-89	2396	Cased and suspended as a	EXT
PEL 5,6	Eromanga	140°39'11"	GL 111	25-SEP-89	2396	future Tirrawarra Sst gas	EXT

producer.

Table 7. (cont'd)

OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAL DEPTH TOTAL DRILL (m)	I AND SHOWS	CLASSIF CATION
		SO	UTH AUST	RALIA (cont'	d)		
SANTOS							
POOLOWANNA 3 PEL 5,6	Eromanga	26°26'2" 137°40'13"	KB 36 GL 31	05-MAR-89 30-MAR-89	2689 2689	Plugged and converted to a water well.	EXT DRY
SANTOS							
SPENCER 8 PPL37	Cooper/ Eromanga	28°10'22" 139°51'25"	KB 31 GL 25	28-OCT-89 04-NOV-89	1921 1921	Cased and suspended as a future Birkhead Fm oil. producer.	DEV DEV
SANTOS							
SPENCER 9 PPL37	Cooper/ Eromanga	28°10'35" 139°51'48"	KB 33 GL 27	09-NOV-89 15-NOV-89	1811 1811	Cased and suspended as a future Birkhead Fm oil producer.	DEV DEV
SANTOS							
SPENCER 10 PPL37	Cooper/ Eromanga	28°11'9" 139°51'10"	KB 32 GL 27	21-NOV-89 28-NOV-89	1899 1899	Plugged and abandoned, dry.	DEV DRY
SANTOS							
SPENCER WEST 1 PEL 5,6	Cooper/ Eromanga	28°10'35" 139°47'46"	KB 38 GL 32	04-APR-89 10-APR-89	1834 1834	Cased and suspended as a future Namur oil producer.	NFW NFD
SANTOS							
STURT 4 PEL 5,6	Cooper/ Eromanga	28°8'20" 139°35'2"	KB 34 GL 30	21-MAY-89 27-MAY-89	1969 1969	Cased and suspended as a future Poolowanna Fm oil producer.	EXT EXT
SANTOS							
STURT 5 PPL47	Cooper/ Eromanga	28°8'20" 139°35'44"	KB 27 GL 22	06-DEC-89 12-DEC-89	1920 1920	Cased and suspended as a future Poolowanna Fm oil producer.	DEV DEV
SANTOS							
STURT EAST 3 PEL 5,6	Cooper/ Eromanga	28°8'33" 139°36'33"	KB 28 GL 23	20-APR-89 26-APR-89	1942 1942	Cased and suspended as a future Poolowana Fm oil producer.	EXT EXT
SANTOS							
STURT EAST 4 PEL 5,6	Cooper/ Eromanga	28°8'18" 139°35'54"	KB 25 GL 20	12-SEP-89 18-SEP-89	1898 1898	Cased and suspended as a future Poolowanna Fm oil producer.	DEV DEV
SANTOS TIBOUCHINA 1 PEL 5,6	Cooper/ Eromanga	28°12'15" 139°40'48"	KB 28 GL 23	15-DEC-89 26-DEC-89	2192 2192	Plugged and abandoned, dry.	NFW DRY
SANTOS TIRARI WEST 1 PEL 5,6	Eromanga/ Pedirka	27°53'17" 137°33'55"	KB 20 GL 16	12-FEB-89 18-FEB-89	1785 1785	Plugged and converted to a water well.	NFW DRY

Table 7. (cont'd)

OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAI DEPTI TOTAI DRILL	I AND L SHOWS	CLASSIFI CATION
					(m)		
		SO	UTH AUSTI	RALIA (cont'	d)		
SANTOS							
TIRRAWARRA 64	Cooper/	27°44'41"	KB 40	10-DEC-88	3077	Plugged and abandoned, dry.	DEV
PPL20	Eromanga	140°8'8"	GL 34	02-JAN-89	165		DRY
SANTOS							
TIRRAWARRA 65	Cooper/	27°40'40"	KB 36	11-DEC-89	3054	Cased and suspended as a	DEV
PPL20	Eromanga	140°5'30"	GL 31	31-DEC-89	3054	future Tirrawarra Sst oil producer.	DEV
SANTOS							
UNGARI 1	Cooper/	28°35'50"	KB 48	07-JUL-89	1992	Plugged and abandoned, dry.	NFW
PEL 5,6	Eromanga	140°25'15"	GL 42	13-JUL-89	1992		DRY
						1	
SANTOS							
WILPINNIE 2	Cooper/	28°2'59"	KB 85	08-AUG-89	2221	Plugged and abandoned, dry.	EXT
PEL 5,6	Eromanga	140°45'55"	GL 80	20-AUG-89	2221		DRY
SANTOS							
WRONSKY 1	Cooper/	28°12'23"	KB 34	05-MAR-89	1966	Plugged and abandoned, dry.	NFW
PEL 5,6	Eromanga	139°35'44"	GL 29	10-MAR-89	1966		DRY
ULTRAMAR							
KATNOOK 2	Otway	37°27'2"	KB 68	01-DEC-88	3478	Cased and suspended as a	EXT
PEL 32	,	140°47'19"	GL 62	09-FEB-89	850	future Pretty Hills Fm	EXT
		211 11 21				gas/condensate producer.	
ULTRAMAR							
KATNOOK 3	Otway	37°06'59"	KB 69	24-DEC-89	-	Drilling ahead.	EXT
PEL32		140°46"26"	GL 63	-	510		-
III TO ARAAD							
ULTRAMAR LADBROKE GROVE 1	Otway	37°28'6"	KB 69	27-APR-89	3422	Cased and suspended as a	NFW
PEL 32	Olway	140°46'52"	GL 64	16-JUN-89	3422	future Pretty Hills Fm gas	NFD
<b></b>		2.0.002	<i>52</i> 64	10 0011 05	J .22	producer.	<u>-</u>
III TO ABAAD							
ULTRAMAR LAIRA 1	Otway	37°25'36"	KB 69	11-NOV-89	3303	Plugged and abandoned, dry.	NFW
PEL 32	oy	140°40'24"	GL 63	17-DEC-89	3303		DRY
. 24 July 34		140 40 24	GL 03	17-DEC-09	3303		DKI

#### METRES DRILLED

WELLS	ONSHORE	OFFSHORE	TOTAL
EXPLORATION	112 487	2317	114 804
DEVELOPMENT	23 561	-	23 561
TOTAL	136 048	2 317	138 365

Table 7. (cont'd)

OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	EVELOPMEN DATES SPUD TD	TOTAL DEPTH TOTAL DRILLE	AND SHOWS	CLASSIF CATION
		•	WESTERN A	AUSTRALIA			
ARCO							
CYGNUS 1 WA-202-P	Carnarvon	19°42'44" 116°54'33"	RT 30 WD 73	08-JUL-89 02-AUG-89	2470 2470	Plugged and abandoned, dry.	NFW DRY
ВНР							
CHINOOK 1 WA-210-P	Carnarvon	21°10'12" 114°41'48"	KB 18 WD 121	07-MAY-89 27-JUN-89	3400 3400	Cased and suspended as a future Barrow Gp oil producer.	NFW NFD
ВНР							
GRIFFIN 1 WA-210-P	Carnarvon	21°14'8" 114°37'12"	KB 18 WD 138	20-DEC-89 -	2220	Drilling ahead.	NFW -
D.M.							
BHP MONTEBELLO 1 WA-209-P	Carnarvon	20°5'21" 116°17'23"	KB 18 WD 57	05-NOV-89 08-DEC-89	2750 2750	Plugged and abandoned, dry.	NFW DRY
BARRACK MT HORNER 10	Perth	29°7'56"	KB 217	01-SEP-89	1450	Cased and suspended as a	EXT
EP 96	1 Citif	115°5'47"	GL 213	16-SEP-89	1450	future F sand oil producer.	EXT
BARRACK	Donat	COROLEGE	VD 012	15 OCT 80	1400	Was and and shouldered dur	EXT
MT HORNER 11 PL7	Perth	29°8'50" 115°6'32"	KB 213 GL 209	15-OCT-89 30-OCT-89	1408 1408	Plugged and abandoned, dry.	DRY
BOND							
AVOCET 2 WA-199-P	Bonaparte	11°21'52" 125°45'26"	KB 25 WD 104	27-JUL-89 18-AUG-89	2000 2000	Plugged and abandoned, dry.	EXT DRY
BOND							
FULICA 1 WA-199-P	Bonaparte	11°5'20 <b>"</b> 125°52'31"	KB 25 WD 136	02-JUL-89 21-JUL-89	2674 2674	Plugged and abandoned, dry.	NFW DRY
BOND	_						<b></b>
GARGANEY 1 WA-199-P	Bonaparte	11°21'24" 125°54'59"	KB 25 WD 100	26-AUG-89 13-SEP-89	2481 2675	Plugged and abandoned, dry.	NFW DRY
COMMAND	10.1	10010111	WD 145	12 77 00	1000	Week dead dead dead dead	NFW
CUDALGARRA NORTH EP164	1 Canning	19°10'11" 122°17'50"	KB 147 GL 151	12-JUL-89 21-JUL-89	1220 1220	Plugged and abandoned, dry.	DRY
MARATHON ALPHA NORTH 1	Carnarvon	19°28'05"	KB 20	17-JUN-89	2200	Plugged and abandoned, dry.	NFW
WA-8-L	Camarvon	19°28'05" 116°58'15"	WD 93	17-JUN-89 11-JUL-89	2200	т падден ани аогановией, шу.	DRY
METANA SOMELIM 1 EP137	Carnarvon	21°18'58" 115°49'6"	KB 10 GL 7	07-JUN-89 15-JUL-89	413 413	Plugged and abandoned, dry.	NFW DRY
MINORA							
RIVOLI 1 EP325	Carnarvon	21°58'58" 114°10'49"	KB 32 WD 19	19-AUG-89 06-SEP-89	1975 1975	Plugged and abandoned, dry	NFW DRY

OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAI DEPTH TOTAI DRILL	I AND L SHOWS	CLASSIFI- CATION
		WES	TERN AUS	TRALIA (con	ıt'd)		
MINORA TENT HILL 1 (MINORA) EP325	Carnarvon	22°11'3" 114°37'2"	KB 12 GL 6	22-DEC-89 26-DEC-89	580 580	Plugged and abandoned, dry.	NFW DRY
WAPET BARROW ISLAND F 51M L1 H	Carnarvon	20°49'60" 115°22'60"	KB 44 GL 41	29-DEC-88 12-JAN-89	940 791	Cased and suspended as a future oil producer.	EXT DEV
WAPET BARROW ISLAND F 53M L1 H	Carnarvon	20°50'48" 115°22'46"	KB 28 GL 23	30-MAY-89 15-JUN-89	920 920	Cased and suspended as a future oil producer.	EXT DEV
WAPET BARROW ISLAND F 55M L1 H	Carnarvon	20°50'46" 115°22'17"	KB 20 GL 14	09-MAR-89 18-MAR-89	1195 1195	Cased and suspended as a future oil producer.	EXT DEV
WAPET BARROW ISLAND F 81F L1 H	Carnarvon	20°51'25" 115°22'15"	RT 13 GL 8	07-DEC-88 04-MAR-89	1001 721	Cased and suspended as a future oil producer.	EXT DEV
WAPET BARROW ISLAND L65M L1 H	Carnarvon	20°49'15" 115°23'23"	RT 61 GL 56	23-MAR-89 03-APR-89	985 985	Cased and suspended as a future oil producer.	EXT DEV
WAPET BARROW ISLAND L 71M L1 H	Carnarvon	20°49'35" 115°22'26"	KB 39 GL 34	19-JUN-89 27-JUN-89	945 945	Cased and suspended as a future oil producer.	EXT DEV
WAPET BARROW ISLAND L 73M L1 H	Carnarvon	20°49'27" 115°22'46"	KB 42 GL 37	17-JAN-89 04-FEB-89	950 950	Cased and suspended as a future oil producer.	EXT DEV
WAPET BARROW ISLAND R 65 L1 H	Carnarvon	20°47'29" 115°21'23"	KB 34 GL 29	05-APR-89 12-APR-89	790 790	Cased and suspended as a future oil producer.	EXT DEV
WAPET BARROW ISLAND R 74 L1 H	Carnarvon	20°47'40" 115°21'13"	KB 52 GL 47	23-MAY-89 27-MAY-89	810 810	Cased and suspended as a future oil producer.	EXT DEV
WAPET BARROW ISLAND S 67M L1 H	Carnarvon	20°45'46" 115°22'45"	KB 40 GL 34	13-MAY-89 22-MAY-89	1118 1118	Cased and suspended as a future oil producer.	EXT DEV
WAPET BARROW ISLAND Y 33M L1 H	Carnarvon	20°43'19" 115°23'50"	KB 30 GL 25	04-MAY-89 09-MAY-89	1240 1240	Cased and suspended as a future oil producer.	EXT DEV
WAPET BARROW ISLAND Y 52M L1 H	Carnarvon	20°43'49" 115°23'23"	<b>KB</b> 44 GL 39	27-APR-89 01-MAY-89	1253 1253	Cased and suspended as a future oil producer.	EXT DEV

Table 7. (cont'd)

### WAPET   CATTAINON   CATTAINON   20'44'12'   KB 42   15-APR-89   1220   Cased and suspended as a country of the country of	CLASSIFI CATION	PRODUCTION BY STATE STATUS AND SHOWS	TOTAL DEPTH TOTAL DRILLED	DATES SPUD TD	ELEVA- TION (m)	LOCATION LAT. (S) LONG. (E)	BASIN	OPERATOR WELL
BARROW ISLAND Y 73M			t'd)	ΓRALIA (con	TERN AUS	WES		
Li H							_	
COWLE 1 TP/3  Carnarvon 114*58*5"  WD 18 22-DEC-89 1174 fature Flacourf Fm oil producer.  WAPET SALADIN 4 E765  Carnarvon 21*27*52" KB 9 06-MAR-89 1750 Cased and suspended as a future oil producer.  WAPET SALADIN 6 Carnarvon 21*27*3" GL 3 18-APR-89 4032 future oil producer.  WAPET SALADIN 6 Carnarvon 21*27*3" KB na 26-DEC-88 1875 Cased and suspended as a future oil producer.  WAPET SALADIN 8 Carnarvon 21*28*30" GL na 07-MAY-89 4321 future oil producer.  WAPET SALADIN 8 Carnarvon 21*26*30" RT 34 115*3*11" WD 17 29-NOV-89 1296 future oil producer.  WMC CHERVIL 4 Carnarvon 21*18*36" RT 33 07-FEB-89 1618 Completed as a future gas and oil producer.  WMC CHERVIL 5 CARNARVON 21*18*35" WD 14 06-MAR-89 1860 0il producer.  WMC CHERVIL 5 CARNARVON 21*18*35" WD 14 06-MAR-89 1909 Completed as an oil producer.  WMC SETARIA 1 Canning 19*24*6" KB 201 14-MAY-89 995 Plugged and abandoned, dry. E7143  WMC SETARIA 1 Canning 19*24*6" KB 32 05-MAR-89 1823 Completed as an oil producer.  WMC SETARIA 1 Canning 19*24*6" KB 32 05-MAR-89 1823 Completed as an oil producer.  WMC SETARIA 1 Canning 19*24*6" KB 32 05-MAR-89 995 Plugged and abandoned, dry.  WMC SOUTH FEPPER 8 CARNARVON 21*7129" WD 19 07-APR-89 4839  Plugged and abandoned, dry.  WMC TURTIL 2 WA-128-P WO-DSIDE COSSACK 1 CARNARVON 19*3*122" KB 33 20-MAR-89 2760 Plugged and abandoned, dry.  Plugged and abandoned, dry.  Plugged and abandoned, dry.  Plugged and abandoned, dry.  WOODSIDE COSSACK 1 CARNARVON 19*3*122" KB 24 16-NOV-89 - Drilling ahead:	EXT DEV	<del>_</del>					Carnarvon	
COWLE 1 TP/3  Carnarvon 114*58*5"  WD 18 22-DEC-89 1174  fature Flacourf Fm oil producer.  WAPET SALADIN 4 EP 65  Carnarvon 21*27*3" GL 3 18-APR-89 4032  fature oil producer.  WAPET SALADIN 6 Carnarvon 21*27*3" GL 3 18-APR-89 4032  fature oil producer.  WAPET SALADIN 8 Carnarvon 21*27*3" GL 3 18-APR-89 4032  fature oil producer.  WAPET SALADIN 8 Carnarvon 21*26*30" TIS*1'3" GL na 07-MAY-89 4321  fature oil producer.  WAPET SALADIN 8 Carnarvon 21*26*30" TIS*3*11" WD 17 29-NOV-89 1296  Cased and suspended as a fature oil producer.  WMC CHERVIL 4 Carnarvon 21*18*36" TP/7  113*13*37" WD 14 06-MAR-89 1860 0il producer.  WMC CHERVIL 5 Carnarvon 21*18*35" TP/7  WD 14 06-MAR-89 1909  Completed as a fature gas and oil producer.  WMC CHERVIL 5 Carnarvon 21*18*35" WD 14 05-AUG-89 1909  Completed as an oil producer.  WMC SETARIA 1 Canaing 19*24*6" SETARIA 1 Canaing 19*24*6" CHERVIL 2 SOMAY-89 995 Plugged and abandoned, dry.  WMC SETARIA 1 Carnarvon 21*18*36" CARNAR-89 1823 Completed as an oil producer.  WMC SETARIA 1 Canaing 19*24*6" CHERVIL 2 WA-128-P 115*16*29" WD 19 07-APR-89 432  Completed as an oil producer.  Plugged and abandoned, dry.  WMC CODSIDE COSSACK 1 Carnarvon 19*33*22" KB 24 16-NOV-89 - Drilling ahead.								WAPET
WAPET SALADIN 4 Carnarvon 115"1'3" CB 9 06-MAR-89 1750 Cased and suspended as a EP 65 115"1'3" CB 3 18-APR-89 4032 future oil producer.  WAPET SALADIN 6 Carnarvon 21"27'3" KB na 26-DEC-88 1875 Cased and suspended as a EP 65 115"1'3" CB na 07-MAY-89 4321 future oil producer.  WAPET SALADIN 8 Carnarvon 21"26'30" RT 34 18-NOV-89 1296 Cased and suspended as a future oil producer.  WAPET SALADIN 8 TL/4 115"3'11" WD 17 29-NOV-89 1296 Cased and suspended as a future oil producer.  WMC CHERVIL 4 Carnarvon 21"18'36" RT 33 07-FEB-89 1618 Completed as a future gas and oil producer.  WMC CHERVIL 5 Carnarvon 21"18'35" WD 14 06-MAR-89 1860 0il producer.  WMC CHERVIL 5 CARNARVON 21"18'35" WD 14 05-AUG-89 1909 Completed as an oil producer.  WMC SETARIA 1 Canning 19"24'6" SETARIA 1 SETARIA 1 SETARIA 1 SETARIA 1 SETARIA 1 SETARIA 1 SETAR	NFW	Cased and suspended as a	1174	11-DEC-89	RT 32	21°31'25"	Carnarvon	
SALADIN 4         Camarvon         21°27'52"         KB 9         06-MAR-89         1750         Cased and suspended as a future oil producer.           WAPET         SALADIN 6         Camarvon         21°27'3"         KB na         26-DEC-88         1875         Cased and suspended as a future oil producer.           WAPET         SALADIN 6         Carnarvon         21°26'30"         RT 34         18-NOV-89         4321         future oil producer.           WAPET         SALADIN 8         Carnarvon         21°26'30"         RT 34         18-NOV-89         1296         Cased and suspended as a future oil producer.           WMC         CHERVIL 4         Carnarvon         21°18'36"         RT 33         07-FEB-89         1618         Completed as a future gas and oil producer.           WMC         CHERVIL 4         Carnarvon         21'18'35"         RT 30         08-JUL-89         1909         Completed as an oil producer.           WMC         CHERVIL 5         Carnarvon         21'18'35"         RT 30         08-JUL-89         1909         Completed as an oil producer.           WMC         SETARIA 1         Canning         19°24'6"         KB 201         14-MAY-89         995         Plugged and abandoned, dry.           SOUTH PEPPER 8         Carnarvon         21°7'29"	NFD			22-DEC-89	WD 18	114°58'5"		TP/3
EP 65								WAPET
WAPET SALADIN 6 EP 65  Carnarvon 21°27'3" KB na 26-DEC-88 1875 Cased and suspended as a EP 65  Carnarvon 21°26'30" RT 34 18-NOV-89 1296 Cased and suspended as a TL/4  RT 34 18-NOV-89 1296 Cased and suspended as a future oil producer.  WMC CHERVIL 4 Carnarvon 21°18'36" RT 33 07-FEB-89 1618 Completed as a future gas and rP/7  WMD 14 06-MAR-89 1860 oil producer.  WMC CHERVIL 5 TP/7  Carnarvon 21'18'35" RT 30 08-JUL-89 1909 Completed as an oil producer.  WMC CHERVIL 5 TP/7  Carnarvon 115'13'37" WD 14 05-AUG-89 1909  Completed as an oil producer.  WMC SETARIA 1 EP143  Canning 19'24'6" KB 201 14-MAY-89 995 Plugged and abandoned, dry. EP143  Carnarvon 12'17'29" KB 32 05-MAR-89 1823 Completed as an oil producer.  WMC SOUTH PEPPER 8 Carnarvon 21'17'29" WD 19 07-APR-89 4839  Completed as an oil producer.  WMC SOUTH PEPPER 8 WA-149-P 115'16'29" WD 19 07-APR-89 4839  Completed as an oil producer.  WMC TURTILE 2 Bonaparte 14'30'21" KB 33 20-MAR-89 2760 Plugged and abandoned, dry. WA-128-P VWO 26-JUN-89 7-60 Plugged and abandoned, dry. Drilling ahead.	EXT	<u>-</u>					Carnarvon	-
SALADIN 6         Carnarvon         21°27'3"         KB na         26-DEC-88         1875         Cased and suspended as a future oil producer.           WAPET         SALADIN 8         Carnarvon         21°26'30"         RT 34         18-NOV-89         1296         Cased and suspended as a future oil producer.           WAC         115°3'11"         WD 17         29-NOV-89         1296         Cased and suspended as a future oil producer.           WMC         CHERVIL 4         Carnarvon         21°18'36"         RT 33         07-FEB-89         1618         Completed as a future gas and oil producer.           WMC         CHERVIL 5         Camarvon         21°18'35"         RT 30         08-JUL-89         1909         Completed as an oil producer.           WMC         CHERVIL 5         Camarvon         21°18'35"         RT 30         08-JUL-89         1909         Completed as an oil producer.           WMC         SETARIA 1         Canning         19°24'6"         KB 201         14-MAY-89         995         Plugged and abandoned, dry.           WMC         SOUTH PEPPER 8         Carnarvon         21°7'29"         KB 32         05-MAR-89         1823         Completed as an oil producer.           WMC         TURTLE 2         Bonaparte         14°30'21"         KB 33	DEV	future oil producer.	4032 f	18-APR-89	GL 3	115°1'3"		EP 65
EP 65								WAPET
WAPET SALADIN 8 T1/4  Carnarvon 21°26'30" RT 34 18-NOV-89 1296 Cased and suspended as a future oil producer.  WMC CHERVIL 4 Carnarvon 21°18'36" RT 33 07-FEB-89 1618 Completed as a future gas and TP/7  WD 14 06-MAR-89 1860 oil producer.  WMC CHERVIL 5 CARNARVON 21°18'35" RT 30 08-JUL-89 1909 Completed as an oil producer.  WMC CHERVIL 5 TP/7  WM 14 05-AUG-89 1909  Completed as an oil producer.  WMC SETARIA 1 Canning 19°24'6" SETARIA 1 EP143  CARNARVON 124"58'9" GL 194 30-MAY-89 995 Plugged and abandoned, dry.  WMC SOUTH PEPPER 8 CARNARVON 21°71'29" KB 32 05-MAR-89 4839  Completed as an oil producer.  WMC WAC SOUTH PEPPER 8 CARNARVON 115°16'29" WD 19 07-APR-89 4839  Completed as an oil producer.  WMC TURTILE 2 WA-128-P  Bonaparte 14"30'21" KB 33 20-MAR-89 2760 Plugged and abandoned, dry.  WOODSIDE COSSACK 1 CARNARVON 19°33'22" KB 24 16-NOV-89 Drilling ahead.	EXT			26-DEC-88	KB na	21°27'3"	Carnarvon	SALADIN 6
SALADIN 8 TL/4         Carnarvon         21°26′30° 115″3′11″         RT 34 WD 17         18-NOV-89 29-NOV-89         1296         Cased and suspended as a future oil producer.           WMC CHERVIL 4 TP/7         Carnarvon         21°18′36″ 113°13′37″         RT 33 WD 14         07-FEB-89 06-MAR-89         1618 180         Completed as a future gas and oil producer.           WMC CHERVIL 5 TP/7         Carnarvon         21°18′35″ 115°13′37″         RT 30 WD 14         08-JUL-89 05-AUG-89         1909 1909         Completed as an oil producer.           WMC SETARIA 1 EP143         Canning         19°24′6″ 124′58′9″         KB 201 GL 194         14-MAY-89 30-MAY-89         995         Plugged and abandoned, dry.           WMC SOUTH PEPPER 8 WA-149-P         Carnarvon         21°7′29″ 115°16′29″         KB 32 WD 19         05-MAR-89 07-APR-89         1823 4839         Completed as an oil producer.           WMC TURTLE 2 WA-128-P         Bonaparte         14°30′21″ 128°56′45″         KB 33 WD 20         20-MAR-89 26-JUN-89         2760 2760         Plugged and abandoned, dry.           WOODSIDE COSSACK 1         Carnarvon         19°33′22″         KB 24         16-NOV-89         -         Drilling ahead.	DEV	future oil producer.	4321 f	07-MAY-89	GL na	115°1'3"		EP 65
TL/4  115"3"11" WD 17 29-NOV-89 1296 future oil producer.  WMC CHERVIL 4 CATRAIVON 21"18"36" RT 33 07-FEB-89 1618 Completed as a future gas and TP/7  113"13"3"7" WD 14 06-MAR-89 1860 oil producer.  WMC CHERVIL 5 CATRAIVON 21"18"35" RT 30 08-JUL-89 1909 Completed as an oil producer.  TP/7  115"13"37" WD 14 05-AUG-89 1909  Completed as an oil producer.  WMC WMC SETARIA 1 CANNING 19"24"6" KB 201 14-MAY-89 995 Plugged and abandoned, dry.  EP143  WMC SOUTH PEPPER 8 CATRAIVON 21"7'29" KB 32 05-MAR-89 1823 Completed as an oil producer.  WMC SOUTH PEPPER 8 WA-149-P  115"16"29" WD 19 07-APR-89 4839  WMC TURTLE 2 Bonaparte 14"30"21" KB 33 20-MAR-89 2760 Plugged and abandoned, dry.  WMC TURTLE 2 WA-128-P  WOODSIDE COSSACK 1  CATRAIVON 19"33"22" KB 24 16-NOV-89 Drilling ahead.								WAPET
WMC CHERVIL 4 Carnarvon 113°13'37" WD 14 06-MAR-89 1860 oil producer.  WMC CHERVIL 5 CARNARVON 115°13'37" WD 14 06-MAR-89 1860 oil producer.  WMC CHERVIL 5 TP/7 115°13'37" WD 14 05-AUG-89 1909 Completed as an oil producer.  WMC SETARIA 1 Canning 19°24'6" KB 201 124°58'9" GL 194 30-MAY-89 995 Plugged and abandoned, dry.  WMC SOUTH PEPPER 8 Carnarvon 21°7'29" WD 19 07-APR-89 4839  Completed as an oil producer.  WMC SOUTH PEPPER 8 Carnarvon 115°16'29" WD 19 07-APR-89 4839  Plugged and abandoned, dry.  WMC TURTLE 2 Bonaparte 14°30'21" KB 33 20-MAR-89 2760 Plugged and abandoned, dry.  WMC TURTLE 2 WA-128-P  WD 20 26-JUN-89 2760 Plugged and abandoned, dry.  Drilling ahead.	DEV	Cased and suspended as a	1296	18-NOV-89	RT 34	21°26'30"	Carnarvon	SALADIN 8
CHERVIL 4 TP/7  Carnarvon  21°18'36" RT 33  07-FEB-89 1618  Completed as a future gas and oil producer.  WMC CHERVIL 5 TP/7  Carnarvon  21°18'35" RT 30 08-JUL-89 1909  Completed as an oil producer.  WMC SETARIA 1 EP143  Canning  19°24'6" EP143  Carnarvon  21°7'29" Carnarvon  21°7'29" WD 14  Carnarvon  21°7'29" WD 19 07-APR-89 4839  Completed as an oil producer.  KB 32 Completed as an oil producer.  WMC SOUTH PEPPER 8 WA-149-P  Carnarvon  21°7'29" WD 19 07-APR-89 4839  Completed as an oil producer.  KB 32 Completed as an oil producer.  KB 32 Completed as an oil producer.  KB 32 Completed as an oil producer.  WMC SOUTH PEPPER 8 WA-149-P  Carnarvon  115°16'29" WD 19 07-APR-89 4839  Completed as an oil producer.  WMC TURTLE 2 WA-128-P  Bonaparte  14°30'21" KB 33 20-MAR-89 2760 Plugged and abandoned, dry.  Plugged and abandoned, dry.  Plugged and abandoned, dry.  Carnarvon  19°33'22" KB 24 16-NOV-89 - Drilling ahead.	DEV	future oil producer.	1296 f	29-NOV-89	WD 17	115°3'11"		TL/4
TP/7  113°13'37" WD 14 06-MAR-89 1860 oil producer.  WMC CHERVIL 5 Carnarvon 21°18'35" RT 30 08-JUL-89 1909 Completed as an oil producer.  TP/7  115°13'37" WD 14 05-AUG-89 1909 Plugged and abandoned, dry.  EP143 Canning 19°24'6" KB 201 14-MAY-89 995 Plugged and abandoned, dry.  EP143 124°58'9" GL 194 30-MAY-89 995  WMC SOUTH PEPPER 8 Carnarvon 21°7'29" KB 32 05-MAR-89 1823 Completed as an oil producer.  WA-149-P 115°16'29" WD 19 07-APR-89 4839  WMC TURTLE 2 Bonaparte 14°30'21" KB 33 20-MAR-89 2760 Plugged and abandoned, dry.  WMC-128-P Eonaparte 14°30'21" KB 33 20-MAR-89 2760 Plugged and abandoned, dry.  WOODSIDE COSSACK 1 Carnarvon 19°33'22" KB 24 16-NOV-89 - Drilling ahead.								WMC
WMC SETARIA 1 EP143  Carnarvon  21°18'35" RT 30 08-JUL-89 1909  Completed as an oil producer.  WMC SETARIA 1 EP143  Canning  19°24'6" KB 201 124°58'9" GL 194 30-MAY-89 995  Plugged and abandoned, dry.  WMC SOUTH PEPPER 8 Carnarvon  21°7'29" KB 32 05-MAR-89 1823 Completed as an oil producer.  WA-149-P  WD 19 07-APR-89 4839  Completed as an oil producer.  WMC WMC TURTLE 2 Bonaparte  14°30'21" KB 33 20-MAR-89 2760  Plugged and abandoned, dry.  WMC WMC TURTLE 2 WA-128-P  WOODSIDE COSSACK 1  Carnarvon  19°33'22" KB 24 16-NOV-89 - Drilling ahead.	EXT	Completed as a future gas and	1618	07-FEB-89		21°18′36"	Carnarvon	
CHERVIL 5 TP/7  Carnarvon  21°18'35" RT 30 08-JUL-89 1909  Completed as an oil producer. 115°13'37"  WD 14 05-AUG-89 1909  Plugged and abandoned, dry. EP143  Canning 19°24'6" KB 201 14-MAY-89 995 Plugged and abandoned, dry. EP143  Carnarvon 21°7'29" KB 32 05-MAR-89 1823 Completed as an oil producer. 115°16'29" WD 19 07-APR-89 4839  WMC TURTILE 2 WA-128-P  Bonaparte 14°30'21" KB 33 20-MAR-89 2760 Plugged and abandoned, dry. EP143  Plugged and abandoned, dry. EP143  Carnarvon 19°33'22" KB 24 16-NOV-89 - Drilling ahead.	DEV	oil producer.	1860 c	06-MAR-89	WD 14	113°13'37"		TP/7
TP/7  115°13'37" WD 14 05-AUG-89 1909  WMC SETARIA 1 Canning 19°24'6" KB 201 14-MAY-89 995 Plugged and abandoned, dry. EP143 124°58'9" GL 194 30-MAY-89 995  WMC SOUTH PEPPER 8 Carnarvon 21°7'29" KB 32 05-MAR-89 1823 Completed as an oil producer. WA-149-P 115°16'29" WD 19 07-APR-89 4839  WMC TURTLE 2 Bonaparte 14°30'21" KB 33 20-MAR-89 2760 Plugged and abandoned, dry. WA-128-P 128°56'45" WD 20 26-JUN-89 2760  WOODSIDE COSSACK 1 Carnarvon 19°33'22" KB 24 16-NOV-89 - Drilling ahead.								WMC
WMC SETARIA 1	DEV	Completed as an oil producer.	1909 (	08-JUL-89	RT 30	21°18′35"	Carnarvon	
SETARIA 1 EP143  Canning  19°24′6"	DEV		1909	05-AUG-89	WD 14	115°13'37"		TP/7
EP143  124°58'9"  GL 194  30-MAY-89  995  WMC  SOUTH PEPPER 8  Carnarvon  21°7'29"  WD 19  07-APR-89  4839  Completed as an oil producer.  WM-149-P  WMC  TURTLE 2  Bonaparte  14°30'21"  KB 33  20-MAR-89  2760  Plugged and abandoned, dry.  WA-128-P  WOODSIDE  COSSACK 1  Carnarvon  19°33'22"  KB 24  16-NOV-89  -  Drilling ahead.								WMC
WMC SOUTH PEPPER 8	NFW	Plugged and abandoned, dry.		14-MAY-89		19°24'6"	Canning	
SOUTH PEPPER 8 Carnarvon 21°7′29" KB 32 05-MAR-89 1823 Completed as an oil producer.  WA-149-P 115°16′29" WD 19 07-APR-89 4839  WMC  TURTLE 2 Bonaparte 14°30′21" KB 33 20-MAR-89 2760 Plugged and abandoned, dry.  WA-128-P 128°56′45" WD 20 26-JUN-89 2760  WOODSIDE  COSSACK 1 Carnarvon 19°33′22" KB 24 16-NOV-89 - Drilling ahead.	DRY		995	30-MAY-89	GL 194	124°58'9"		EP143
WA-149-P  115°16'29"  WD 19  07-APR-89  4839  WMC  TURTLE 2  Bonaparte  14°30'21"  KB 33  20-MAR-89  2760  Plugged and abandoned, dry.  WA-128-P  128°56'45"  WD 20  26-JUN-89  2760  WOODSIDE  COSSACK 1  Carnarvon  19°33'22"  KB 24  16-NOV-89  -  Drilling ahead.								
WMC TURTLE 2 Bonaparte 14°30'21" KB 33 20-MAR-89 2760 Plugged and abandoned, dry. WA-128-P 128°56'45" WD 20 26-JUN-89 2760  WOODSIDE COSSACK 1 Carnarvon 19°33'22" KB 24 16-NOV-89 - Drilling ahead.	DEV	Completed as an oil producer.					Carnarvon	
TURTLE 2  WA-128-P  Bonaparte  14°30'21"  KB 33  20-MAR-89  2760  Plugged and abandoned, dry.  WD 20  26-JUN-89  2760  WOODSIDE  COSSACK 1  Carnarvon  19°33'22"  KB 24  16-NOV-89  -  Drilling ahead.	DEV		4839	07-APR-89	WD 19	115°16'29"		WA-149-P
WA-128-P 128°56'45" WD 20 26-JUN-89 2760  WOODSIDE  COSSACK 1 Carnarvon 19°33'22" KB 24 16-NOV-89 - Drilling ahead.								
WOODSIDE COSSACK 1 Carnarvon 19°33'22" KB 24 16-NOV-89 - Drilling ahead.	EXT	Plugged and abandoned, dry.					Bonaparte	
COSSACK 1 Carnarvon 19°33'22" KB 24 16-NOV-89 - Drilling ahead.	DRY		2/00	∠0-JUN-89	₩D 20	140 30 43"		
	# A24e4 s	Delling short		16 37037 00	gn ar	100221224	Commence	
	NFW -	Driving anead.		- 10-NOV-89			Camarvon	
Woonging								Woodales
WOODSIDE  NORTH RANKIN A16 Carnarvon 19°35'9" RT 46 09-JAN-89 5330 Completed as a gas producer.	DEV	Completed as a mas producer	5320 (	NO_TANI SO	<b>P</b> T 46	10°35'0"	Сатраниля	
WA-1-L 116°8'12" WD 125 06-OCT-89 5330 Completed as a gas producer.	DEV	completed as a Ras biodineer.					Cathal ACH	

## Table 7. (cont'd)

WELLS DRILLED F	ELLS DRILLED FOR PETROLEUM EXPLORATION, DEVELOPMENT, AND PRODUCTION BY STATE - 1989								
OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAI DEPTH TOTAI DRILL	. STATUS I AND . SHOWS	CLASSIFI- CATION		
		WES	TERN AUS	TRALIA (con	t'd)				
WOODSIDE									
NORTH RANKIN A17	Carnarvon	19°35'9"	KB 46	17-MAR-89	4671	Completed as a gas producer.	DEV		
WA-1-L		116°8'12"	WD 125	13-AUG-89	6259		DEV		
WOODSIDE									
NORTH RANKIN A18	Carnarvon	19°35'9"	RT 46	10-OCT-89	3243	Completed as a gas producer.	DEV		
WA-1-L		116°8'12"	WD 125	08-DEC-89	3243		DEV		
WOODSIDE									
NORTH RANKIN A19	Carnarvon	19°35'9"	KB 46	24-NOV-89	-	Drilling ahead.	DEV		
WA-1-L		116°8′12"	WD 125	-	2251		-		
WOODSIDE									
WANAEA 1	Carnarvon	19°35'35"	RT 25	08-NOV-88	4154	Cased and suspended as a	NFW		
WA-28-P		116°24'3"	WD 80	26-MAY-89	1710	future oil producer.	NFD		

#### METRES DRILLED (m)

WELLS	ONSHORE	OFFSHORE	TOTAL
EXPLORATION	6 066	30 839	36 905
DEVELOPMENT	12 938	35 340	48 278
TOTAL	19 004	66 179	85 183

Table 7. (cont'd)

OPERATOR	BASIN	LOCATION	ELEVA-	DATES	TOTAL	PRODUCTION BY STAT	CLASSIFI
WELL	BASIN	LAT. (S) LONG. (E)	TION (m)	SPUD TD	DEPTH TOTAL DRILLE (m)	AND SHOWS	CATION
		N	ORTHERN	TERRITORY	Y		
AQUITAINE							
BARNETT 2 NT/P28	Bonaparte	14°31'56" 129°3'8"	KB 15 WD 24	30-AUG-89 11-OCT-89	2817 2817	Cased and suspended as a future oil producer.	EXT
ВНР							
ARUNTA 1	Bonaparte	11°58'31"	KB 18	28-MAR-89	2500	Plugged and abandoned, dry.	NFW
AC/L1		124°57'5"	WD 140	24-MAR-89	2500		DRY
ВНР							
CHALLIS 8	Bonaparte	12°57'8"	KB 26	23-FEB-89	1540	Completed as a future oil	DEV
AC/L3		125°6'52"	WD 104	06-APR-89	1540	producer.	DEV
ВНР							
COCKELL 1	Bonaparte	11°40'2"	RT 22	11-DEC-88	3274	Plugged and abandoned, dry.	NFW
AC/P6		125°2'21"	WD 266	29-JAN-89	1153		DRY
ВНР							
DISCORBIS 1	Bonaparte	12°52'57"	KB 18	08-AUG-89	4165	Plugged and abandoned, dry.	NFW
AC/P3		123°48'46"	WD 199	14-NOV-89	4196		DRY
ВНР							
EAST SWAN 2 AC/P2	Bonaparte	12°17'34" 124°35'1"	KB 18 WD 104	22-SEP-89 25-OCT-89	2855 2855	Plugged and abandoned, dry.	EXT DRY
AC/I Z		124 33 1"	WD 104	23-001-69	2833		DK1
ВНР							
JABIRU 8 AC/L1	Bonaparte	11°56′11"	KB 22	06-FEB-89	1130	Plugged and abandoned due	EXT
AC/LI		125°0'37"	WD 118	14-FEB-89	1130	to mechanical problems.	DRY
ВНР							
JABIRU 8A	Bonaparte	11°56'11"	KB 22	20-FEB-89	1942	Cased and suspended as a	EXT
AC/L1		125°0'37"	WD 118	15-APR-89	2902	future oil producer.	EXT
ВНР							
JABIRU 9	Bonaparte	11°57'4"	KB 26	09-JUN-89	1915	Plugged and abandoned.	EXT
AC/L1		124°58'49"	WD 118	27-JUL-89	2377	Intersected a 47m oil column.	EXT
ВНР							
JABIRU 10	Bonaparte	11°55'20"	KB 26	05-AUG-89	1826	Plugged and abandoned, dry.	EXT
AC/L1		125°1'34"	WD 118	24-AUG-89	1826		EXT
ВНР							
JABIRU 11	Bonaparte	11°56'31"	KB 26	31-AUG-89	1840	Completed as a future oil	DEV
AC/L1		124°59'36"	WD 118	22-SEP-89	1840	producer.	DEV
ВНР							
KALYPTEA 1	Browse	13°1'59"	KB 18	17-SEP-88	4575	Plugged and abandoned as	NFW
AC/P3		123°52'21"	WD 215	06-FEB-89	2767	an uneconomic oil discovery.	DRY

Table 7. (cont'd)

OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAL DEPTH TOTAL DRILLI (m)	AND SHOWS	CLASSIFI CATION
		NORT	HERN TER	RITORY (Co	nt'd)		
BHP			***	44 550 00		75.199	MENT
MAPLE 1 AC/P2	Bonaparte	12°1'12" 124°32'19"	KB 22 WD 125	15-DEC-89 -	4130	Drilling ahead.	NFW -
BHP							
NANCAR 1 AC/P4	Bonaparte	10°59'19" 125°45'28"	KB 22 WD 223	15-APR-89 24-JUN-89	3650 3696	Plugged and abandoned, dry.	NFW DRY
BHP							
PAQUALIN 1 AC/P2	Bonaparte	11°58'50" 124°30'25"	RT 27 WD 125	13-DEC-88 19-FEB-89	4242 2238	Plugged and abandoned, dry.	NFW DRY
BHP ROWAN 1	Bonaparte	12"29'54"	KB 22	22-OCT-89	3348	Plugged and abandoned, dry.	NFW
AC/P2	Вопаране	124°23'37"	WD 300	21-DEC-89	4186	i ingged and availdoned, dry.	DRY
ВНР							
SKUA 6 AC/P2	Bonaparte	12°29'15" 124°26'19"	KB 22 WD 82	01-JUL-89 28-JUL-89	2830 2830	Plugged and abandoned, dry.	EXT DRY
ВНР							
TALTARNI 1 AC/P7	Bonaparte	12°36'41" 124°34'46"	KB 18 WD 76	14-AUG-89 12-SEP-89	3362 3362	Plugged and abandoned, dry.	NFW DRY
MAGELLAN		22340454	VID 560	<b>6</b> 4 PPG 00	2452		T-52/F
GOSSES BLUFF 2 OP175	Amadeus	23°49'7" 132°18'17"	KB 750 GL 743	26-DEC-88 06-MAR-89	2652 4262	Plugged and abandoned, dry	EXT DRY
MAGELLAN							
PALM VALLEY 7 OL3	Amadeus	23°59'58" 132°43'41"	KB 855 GL 849	01-JUL-89 14-AUG-89	1893 1893	Completed as a gas producer from the lower Stairway and Pacoota P1 Fm.	DEV DEV
NORCEN							
KEELING 1 AC/P10	Bonaparte	12°37'14" 124°9'54"	KB 11 WD 206	15-DEC-89 -	2235	Drilling ahead.	NFW -
PACIFIC MCINTYRE 1	Georgina	22°02'21" 135°05'30"	KB n2 GL 381	08-DEC-89 30-DEC-89	960 960	Plugged and abandoned, dry.	STR DRY
PACIFIC							
MCMANUS 1 EP24	McArthur	15°55'14" 133°37'46"	KB na GL 189	27-SEP-89 12-NOV-89	1617 1617	Plugged and abandoned, dry.	STR DRY
PACIFIC WALTON 1 EP24	McArthur	15°55'00" 133°40'00"	KB na GL 192	07-AUG-89 12-AUG-89	59 59	Plugged and abandoned, dry.	STR DRY
PACIFIC			KB na	13-AUG-89	1014	Plugged and abandoned, dry.	STR

## Table 7. (cont'd)

WELLS DRILLE	D FOR PETRO	LEUM EXPLO	RATION, D	EVELOPME	ENT, AND PF	RODUCTION B	SY STATE - 1989
OPERATOR WELL	BASIN	LOCATION LAT. (S) LONG. (E)	ELEVA- TION (m)	DATES SPUD TD	TOTAL DEPTH TOTAL	STATUS AND SHOWS	CLASSIFI CATION
					DRILLED (m)		

## NORTHERN TERRITORY (cont'd)

SANTOS							
TALBOT 1	Bonaparte	12°27'11"	KB 11	11-NOV-89	1784	Cased and suspended as a	NFW
AC/P12		124°52'54"	WD 111	01-DEC-89	1784	future oil producer.	NFD

#### METRES DRILLED

WELLS	ONSHORE	OFFSHORE	TOTAL
EXPLORATION	7 912	48 984	56 896
DEVELOPMENT	1 893	3 380	5 273
TOTAL	9 805	52 364	62 169

TABLE 8. PETROLEUM EXPLORATION, DEVELOPMENT AND PRODUCTION EXPENDITURE - OPERATORS, 1988

STATE	DRILLI	NG	PRODUCTION	<b>GEOLOGY</b>	SEISMIC			OTHER	TOTAL
	EXPLORATION	DEVELOPMENT			REGIONAL	2D	3 <b>D</b>		
Queensland	27 354 344	34 505 339	54 517 690	6 065 508	9 776 531	12 265 933	-	20 902 208	165 387 553
New South W	ales 636 097	-	•	275 427	488 440	465 000	-	40 000	1 904 964
Victoria	9 090 000	38 010 000	374 873 000	117 036	3 503 180	8 027 380	6 917 000	18 441 846	458 979 442
Tasmania	-	-	-	-	673 000	-	-	159 000	832 000
South Austra	lia 62 508 000	11 401 900	167 472 800	-	9 170 400	633 200	-	34 933 091	286 119 391
Western Aust	tralia 108 467 242	51 145 000	159 036 520	2 162 716	7 294 618	16 790 430	1 797 000	12 295 384	358 988 910
Northern Ter	ritory 156 882 000	7 999 000	101 469 000	1 132 265	2 656 000	7 502 200	-	1 817 686	279 458 151
TOTAL	364 937 683	143 061 239	857 369 010	9 752 952	33 562 169	45 684 143	8 714 000	88 589 215	1 551 670 411

## ORIGIN OF PRIVATE ENTERPRISE EXPENDITURE ON EXPLORATION, DEVELOPMENT AND PRODUCTION - 1988

	FOR ONSHORE OPERATIONS	FOR OFFSHORE OPERATIONS	TOTAL
	OI ENATIONS	Of EXAMINIS	
Australian Funds	497 440 804	738 431 835	1 235 872 639
Reinvestment	45 783 000	196 770 000	242 553 000
North American	4 358 000	9 520 030	13 878 030
Other	4 195 000	55 171 742	59 366 742
TOTAL	551 776 804	999 893 607	1 551 670 411

TABLE 8. (Cont'd) PETROLEUM EXPLORATION EXPENDITURE- OPERATORS 1988

STATE	EXPLORATION DRILLING	GEOLOGICAL	REGIONAL	SEISMIC 2D	3D	OTHER	TOTAL
ONSHORE			71			· · · · · · · · · · · · · · · · · · ·	
Queensland	27 354 344	6 065 508	9 776 531	12 265 933	•	2 940 878	58 403 194
New South Wales	636 097	275 427	488 440	465 000	-	40 000	1 904 964
Victoria	1 971 000	117 036	982 180	2 880 180	-	18 846	5 969 242
Tasmania	•	-	-	-	-	-	-
South Australia	62 508 000	-	7 945 400	633 200	-	7 974 591	79 061 191
Western Australia	27 442 242	2 162 716	4 536 618	4 546 670	-	1 829 937	40 518 183
Northern Territory	6 000 000	1 132 265	2 596 000	41 000	•	275 686	10 044 951
TOTAL	125 911 683	9 752 952	26 325 169	20 831 983	•	13 079 938	195 901 725
OFFSHORE							
Queensland	•	-	•	-	-	-	-
New South Wales	-	•	-	-	-	-	-
Victoria	7 119 000	-	2 521 000	5 147 200	6 917 000	18 423 000	40 127 200
Tasmania	•	-	673 000	•	• • •	159 000	832 000
South Australia	-	-	1 225 000	-	-	100 000	1 325 000
Western Australia	81 025 000	-	2 758 000	12 243 760	1 797 000	6 829 447	104 653 207
Northern Territory	150 882 000	-	60 000	7 461 200	-	1 542 000	159 945 200
	239 026 000	-	7 237 000	24 852 160	8 714 000	27 053 447	306 882 607
TOTAL .	20, 020 000						
TOTAL	364 937 683	9 752 952	33 562 169	45 684 143	8 714 000	40 133 385	502 784 332

TABLE 8. (Cont'd) PETROLEUM DEVELOPMENT AND PRODUCTION EXPENDITURE - OPERATORS, 1988

STATE	DEVELOPMENT DRILLING	PRODUCTION	OTHER	TOTAL
ONSHORE				
Queensland	34 505 339	54 517 690	17 961 330	106 984 359
New South Wales	-	-	-	-
Victoria	-	•	_	-
Tasmania	•	•	-	_
South Australia	11 401 900	167 472 800	26 858 500	205 733 200
Western Australia	6 356 000	32 967 520	2 442 000	41 765 520
Northern Territory	-	1 392 000	-	1 392 000
TOTAL	52 263 239	256 350 010	47 261 830	355 875 079
OFFSHORE  Queensland	_			-
New South Wales	-	•	-	-
Victoria	38 010 000	374 873 000	-	412 883 000
Tasmania	-	-	-	-
South Australia	-	-	-	<del>:</del>
Western Australia	44 789 000	126 069 000	1 194 000	172 052 000
Northern Territory	7 999 000	100 077 000	•	108 076 000
TOTAL	90 798 000	601 019 000	1 194 000	693 011 000
TOTAL DEVELOPMEN	T			
AND PRODUCTION	143 061 239	857 369 010	48 455 830	1 048 886 079

## TABLE 8. (Cont'd) GOVERNMENT EXPENDITURE ON PETROLEUM EXPLORATION, 1988 (\$)

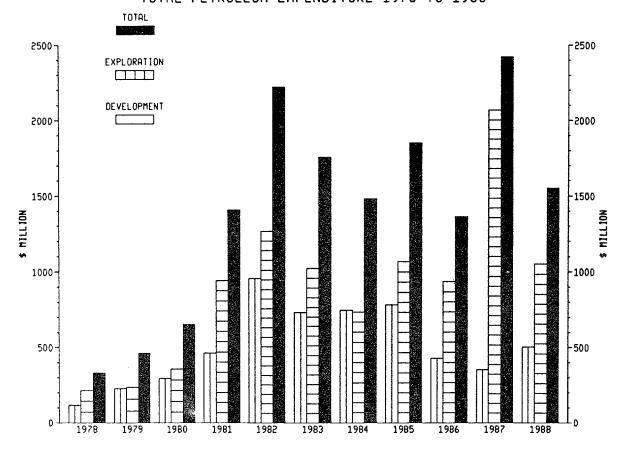
State mines departments and equivalents  Federal Department of Administrative Services (topographic survey)	1 998 800 1 135 700	
BMR	14 787 168	
Total	17 921 668	

### COMBINED EXPENDITURE ON PETROLEUM EXPLORATION IN AUSTRALIA TO 1988 (\$ '000)

	Private Enterprise	Subsidy payments	State/Federal Governments	TOTAL
°o 1965	205 268	39 041	31 772	276 081
966	48 299	9617	4 426	62972
967	49 157	9 635	5 074	63 866
968	56 662	11 213	5 540	73 415
969	65 188	12871	5 070	83 129
970	59 465	9 744	4 296	73 505
971	70 988	5 986	5 155	82129
972	95 736	6 217	5 312	107 265
973	85 675	7 605	5 684	98 964
974	83 452	5 248	4 468	93 168
975	54 850	2 438	4 941	62 229
976	49 031	94	5 132	54 257
977	82 012	-	4 703	86 715
978	111 566	-	4 915	116 481
979	222 616		4 870	227 486
980	290 164	•	5 172	295 336
981	458 676	-	<i>5 5</i> 88	464 264
982	947 901	-	8 613	956 514
983	723 461	•	8 026	731 487
984	740 424	-	7 195	747 619
985	773 624	-	9 829	783 453
986	423 737	-	4 934	428 671
987	346 390	-	6 727	353 117
988	502 784	-	17 922	520 706
Cotal Cotal	6 547 756	119 709	175364	6 842 829

TABLE 8. (Cont'd)

TOTAL PETROLEUM EXPENDITURE 1978 TO 1988



TOTAL PETROLEUM EXPENDITURE - 1988
(\$ MRLION)

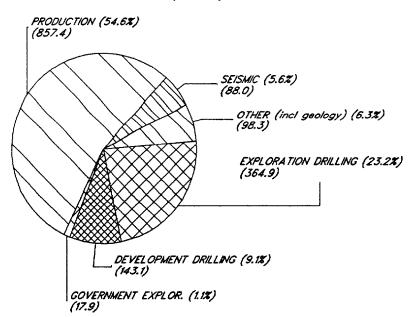


TABLE 9. PETROLEUM EXPLORATION AND DEVELOPMENT EXPENDITURE

#### **AND ACTIVITY 1976 TO 1989**

YEAR	EXPLORATION EXPENDITURE	DEVELOPMENT EXPENDITURE (Including Production)	SEISMIC SURVEYS	EXPLORATION WELLS DRILLED	DEVELOPMENT WELLS DRILLED	
	(\$ million)	(\$ million)	(line km)			
1976	49	94	94200	19	13	
1977	82	114	11600	21	20	
1978	112	216	44421	55	37	
1979	222	236	41539	52	57	
1980	290	358	55445	94	33	
1981	458	944	74438	158	55	
1982	957	1263	95253	221	108	
1983	731	1022	38761	209	66	
1984	748	734	61941	264	109	
1985	784	1065	90169	270	94	
1986	429	936	47353	139	37	
1987	353	2068	42527	229	53	
1988	503	1049	51492	237	54	
1989 (a)	560	1180	71774	148	<b>7</b> 6	

⁽a) Preliminary

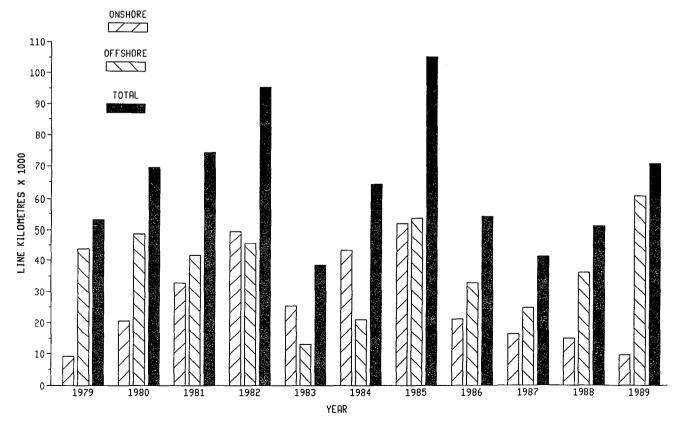
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TABLE 9 (Cont'd) SEISMIC SURVEY ACTIVITY BY STATE - 1985 to 1989

Line km

	1985		1986		1987		1988		1989	
	Onshore	Offshore								
QId	27 326	-	8 345	-	7 855	-	6 675	-	4 448	800
NSW	1 229	-	748	-	703	-	128	-	88	-
Vic	1 276	2 651	373	-	864	-	645	13 877	385	<b>3 0</b> 30
Tas	+	7 057	-	-	-	-	611	-	-	435
SA	12 154	2 339	5 576	-	4 409	-	4 002	720	1 662	-
WA	9 196	25 346	5 197	13 696	3 394	10 044	2 801	18 487	2 397	19 078
NT	680	2 538	543	12 875	429	14 829	232	3 314	676	37 751
Sub-total	51 861	39 931	20 782	26 571	17 654	24 873	15 094	36 398	9 656	61 094
 Fotal	91	792	49	353	42	527	51	492	70	750

SEISMIC SURVEY ACTIVITY
1979 TO 1989

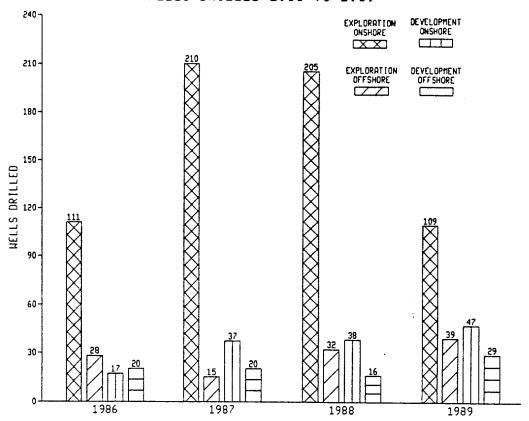


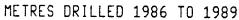
APPENDIX 1. WELLS AND METRES DRILLED - 1979 to 1989

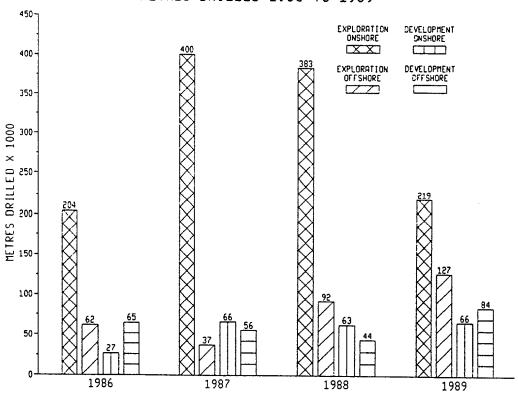
	EXPLOR	ATION	DEVELO	PMENT	тот	<b>FAL</b>	
YEAR	ONSHORE	OFFSHORE	ONSHORE	OFFSHORE	EXPLORATION	DEVELOPMENT	TOTAL
Wells Dr	illed						
1979	31	21	48	9	52	57	109
1980	77	17	26	7	94	33	127
1981	142	16	41	14	158	55	213
1982	177	44	95	13	221	108	329
1983	162	49	38	26	211	64	275
1984	221	43	71	38	264	109	373
1985	227	43	76	18	270	94	364
1986	111	28	17	20	139	37	176
1987	210	15	37	20	225	57	282
1988	205	32	38	16	237	54	291
1989	109	39	47	29	148	76	224
Metres I	rilled		· · · · · · · · · · · · · · · · · · ·	<u> </u>			<u> </u>
1979	59 635	76 424	44 110	36 612	136 059	80 722	216 781
1980	137 296	62 012	41 337	27 142	199 308	68 479	267 787
1981	277 258	45 126	77 602	34 473	322 384	112 075	434 459
1982	324 288	128 213	154 030	28 379	452 501	182 409	634 910
1983	273 571	137 472	82 019	86 425	411 043	168 444	579 487
1984	403 329	113 486	147 294	137 645	516 815	284 939	801 754
1985	406 967	105 145	125 190	59 816	512 112	185 006	697 118
1986	204 113	62 093	27 115	65 197	266 206	92 312	358 518
1987	400 146	37 606	66 412	55 518	437 752	121 930	559 682
1988	382 520	91 571	63 324	44 413	474 091	107 737	581 828
1989	216 080	121 768	67 472	88 781	337 848	156 253	494 101

### APPENDIX 1. (Cont'd)

## WELLS DRILLED 1986 TO 1989







APPENDIX 1. (Cont'd) ONSHORE DRILLING ACTIVITY BY STATE - 1979 to 1989

#### New Field Wildcat wells drilled in each state

STATE	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
QLD	17	26	51	67	55	58	87	49	97	58	32
NSW	-	3	1	2	4	4	8	6	3	-	-
VIC	1	1	3	3	5	2	7	5	6	4	-
TAS	-	-	-	-	-	•	-	-	-		-
SA	7	6	15	11	9	23	29	26	34	29	20
WA	1	6	20	31	27	37	29	5	20	22	4
NT	-	•	4	4	5	4	1	-	-	11	4
TOTAL	26	42	94	118	105	128	161	91	160	124	60

## Extension/Appraisal wells drilled in each state

STATE	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
QLD	3	13	22	23	15	43	25	5	23	37	16
NSW	-	3	-	_	-	-	-	2	-	-	-
VIC	-	1	1	-	-	-	-	-	1	-	1
TAS	-	-	-	-	-	-	-	-	-	-	-
SA	1	5	11	15	20	34	23	13	21	40	29
WA	1	13	14	15	20	14	15	-	5	1	2
NT	-	-	-	6	2	2	3	-	-	3	1
TOTAL	5	35	48	59	57	93	66	20	50	81	49

### Development wells drilled in each state

STATE	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
QLD	3	9	16	8	15	16	5	6	11	17	20
NSW	-	-	-	-	-	-	-	-	-	-	-
VIC	-	-	-	-	-	-	-	-	-	-	-
TAS	•	-	_	-	-	-	-	-	-	-	-
SA	5	7	15	47	21	43	32	6	25	12	13
WA	40	10	10	40	1	6	29	_	1	9	13
NT	-	-	-	-	1	6	10	5	-	-	1
TOTAL	48	26	41	95	38	71	76	17	37	38	47

APPENDIX 1. (Cont'd) OFFSHORE DRILLING ACTIVITY BY STATE - 1979 to 1989

#### New Field Wildcat wells drilled in each state

STATE	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
QLD	-	-	-	-	-	-	-	-	-	-	-
NSW	-	-	-	-	-	-	-	-	-	-	-
VIC	2	-	6	11	17	6	4	3	2	2	10
TAS	-	-	-	2	-	2	3	2	-	-	-
SA	-	-	-	2	-	-	-	1	-	-	-
WA	14	13	5	19	22	15	10	10	4	8	9
NT	2	4	-	3	5	6	7	3	3	14	9
TOTAL	18	17	11	37	44	29	24	19	9	24	28

### Extension/Appraisal wells drilled in each state

			1981	1982	1983	1984	1985	1986	1987	1988	1989
QLD	-	-	•	-	-	-	-	-	-	-	-
NSW	-	-	-	-	-	-	-	-	-	-	-
VIC	1	-	2	3	3	4	8	1	1	-	2
TAS	1	-	-	-	-	•	-	1	_	-	-
SA	-	-	-	-	-	-	-	-	-	-	-
WA	1	-	3	3	2	7	11	3	3	3	2
NT	-	•	-	1	_	3	_	4	2	5	7

### Development wells drilled in each state

STATE	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
QLD											
NSW	-	-	-	-	_	-	-	-	-	-	-
VIC	9	7	14	13	26	33	15	15	14	9	18
TAS	-	-	•	-	-	•	-	-	-	-	-
SA	-	•	-	-	-	-	-	-	-	-	-
WA	-	-	-	-	-	5	3	5	3	4	9
NT	-	-			· •	-	-	-	3	3	2
TOTAL	9	7	14	13	26	38	18	20	20	16	29