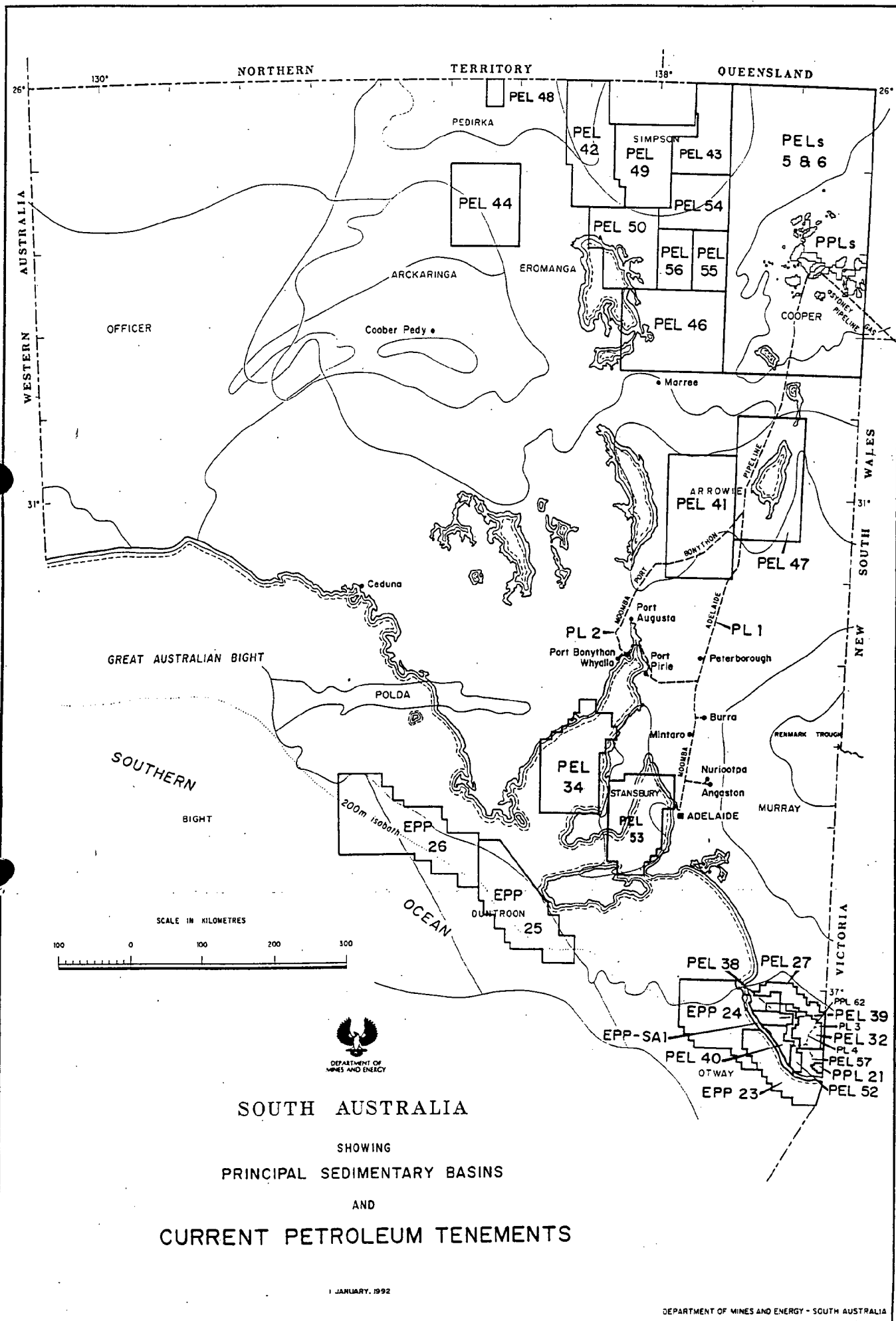

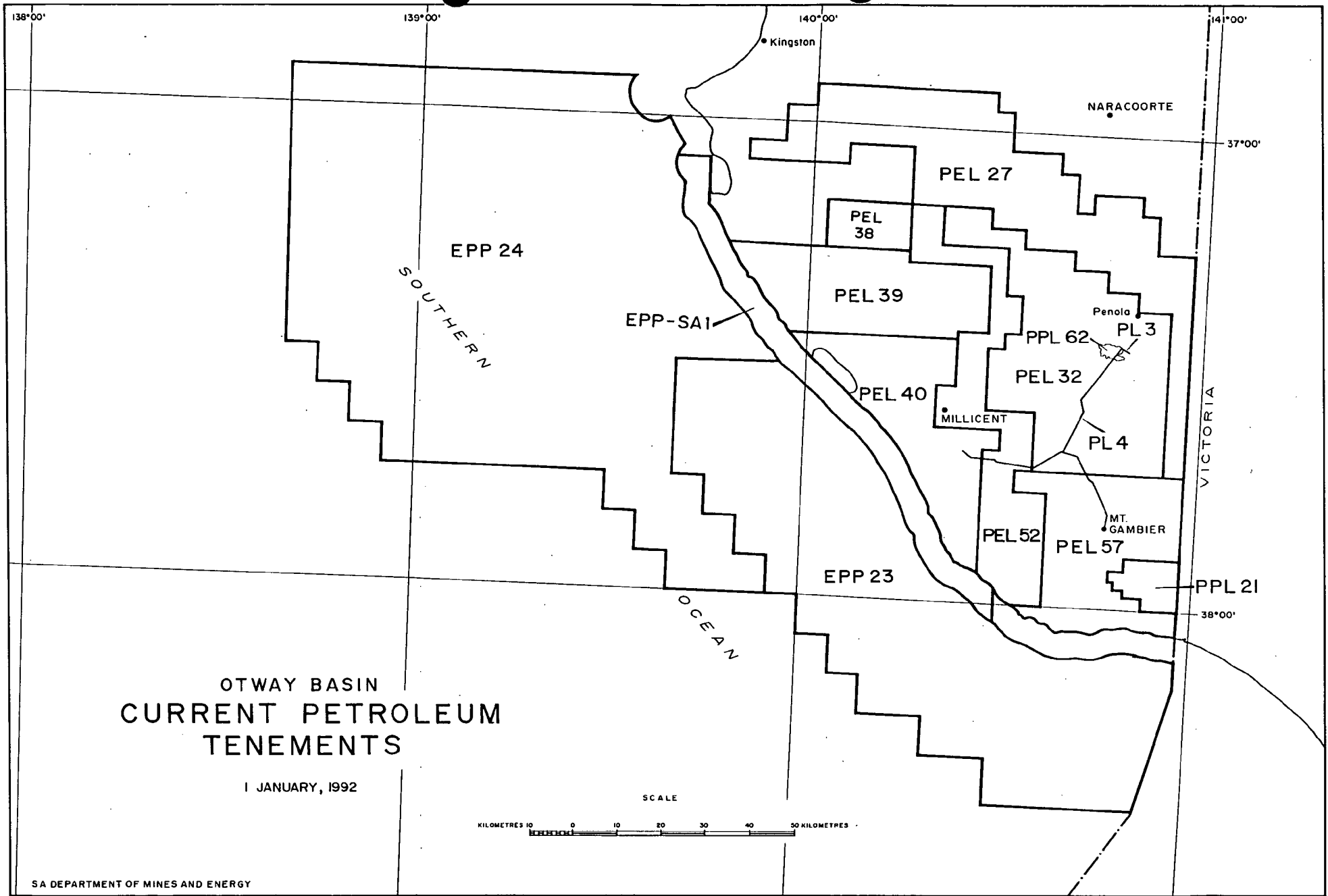


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 DEPARTMENT OF MINES AND ENERGY
SOUTH AUSTRALIA
 SHOWING
 PRINCIPAL SEDIMENTARY BASINS
 AND
 CURRENT PETROLEUM TENEMENTS

1 JANUARY, 1992



DEPARTMENT OF MINES AND ENERGY
SOUTH AUSTRALIA

HOLDERS OF PETROLEUM TENEMENTS

Current as at 1 January 1992

Includes:

Onshore Petroleum Exploration Licences (PELs)
Petroleum Production Licences (PPLs)
Pipeline Licences (PLs)
Offshore Exploration Permits for Petroleum (EPPs)
Interests in PELs 5 & 6 Farmout Areas

ON-SHORE		Expiry Date	Area (km ²)
PETROLEUM EXPLORATION LICENCES (PELs)			
5	Delhi Petroleum Pty Ltd (100%)	27/2/94	36530
6	Santos Ltd (100%)	27/2/94	36530
27	Oil Company of Australia NL (45%) Poseidon Oil Pty Ltd (25%) Cluff Resources Pacific Ltd (15%) CPC Petroleum Corporation NL (10%) Ampolex (PPL) Pty Ltd (5%)	30/7/94	2082
32	*Ultramar Australia Inc (50%) Muswellbrook Petroleum Ltd (20%) Cultus Petroleum (Australia) NL (15%) Minora Resources NL (10%) Gas and Fuel Corporation of Victoria (5%)	18/2/95	1711
34	Nerdlihc Company Inc (100%)	27/6/95	11822
38	Beach Petroleum NL (50%) Barcoo Petroleum NL (30%) Bruce Anderson Oil (20%) Corporation of Australia	3/1/95	213
39	Gas and Fuel Exploration NL (50%) Cultus Petroleum (Australia) NL (30%) Magellan Petroleum Australia Ltd (20%)	9/11/94	927
40	Sagasco Resources Ltd (100%)	9/11/94	1098
41	Frontier Exploration Ltd (100%)	18/2/95	15829
42	Anzoil NL (95%) Fossil Cliff Oil Pty Ltd (5%)	24/9/95	10638
43	Nobjade Pty Ltd	21/3/96	7453
44	Anzoil NL (95%) Fossil Cliff Oil Pty Ltd (5%)	17/6/95	10941
46	Lennard Oil NL/ (25%) Phoenix Oil and Gas NL (25%) CPC Petroleum Corporation NL (20%) Fossil Cliff Oil Pty Ltd (15%) Aquatic Resources Corporation Pty Ltd (15%)	14/11/95	16187
47	Anzoil NL (95%) Fossil Cliff Oil Pty Ltd (5%)	17/6/95	15911
48	Mariebar International (Qld) Pty Ltd (50%) James Fraser Allender (50%)	30/7/95	928
49	Felstea Pty Ltd (100%)	30/6/96	9213
50	Felstea Pty Ltd (100%)	30/6/96	9714
52	Irvin Weitzman (100%)	25/11/95	1143
53	Preview Resources Pty Ltd (50%) Oakman Pty Ltd (50%)	3/12/95	10136
54	Duerden Energy NL (100%)	16/6/96	6538
55	Lennard Oil NL (100%)	21/3/96	4080
56	Steiner Holdings Pty Ltd (100%)	6/6/96	4080
57	Lakes Oil Limited (100%)	17/11/96	1048
TOTAL			214752

NB: 1 PELs 45 and 51 are currently being processed
* Interests in the process of being changed

PETROLEUM PRODUCTION LICENCES (PPLs)		Expiry Date	Area (km ²)	Name of Area
6	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (40%) Vamgas Ltd (10%)	31/12/2005	257.4	Gidgealpa Field
7	" "	31/12/2005	254.2	Moomba North Field
8	" "	31/12/2005	254.0	Moomba West Field
9	" "	31/12/2005	133.0	Moomba South Field
10	" "	31/12/2005	226.4	Daralingie Field
11	" "	31/12/2005	160.1	Big Lake Field
12	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Sagasco Resources Ltd (10%) Vamgas Ltd (10%)	31/12/2005	157.3	Burke-Dullingari Field
13	" "	31/12/2005	56.07	Brumby Field
14	" "	31/12/2005	233.05	Toolachee Field
15	*Santos Ltd (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (28%) Vamgas Ltd (7%)	31/12/2005	154.3	Della Field
16	" "	31/12/2005	126.9	Big Lake & Namur Fields
17	Alliance Petroleum Australia NL (50%) *Santos Ltd (25%) Delhi Petroleum Pty Ltd (15%) Vamgas Ltd (5%) Sagasco Resources Ltd (5%)	31/12/2005	140.83	Merrimelia Field
18	*Santos Ltd (25%) Bridge Oil Ltd (25%) Delhi Petroleum Pty Ltd (20%) Basin Oil NL (12.5%) Reef Oil NL (12.5%) Vamgas Ltd (5%)	31/12/2005	109.4	Fly Lake-Brolga Field
19	" " "	31/12/2005	36.5	Moorari Field
20	" " "	31/12/2005	129.72	Tirrawarra Field
21	*Liquid Air Australia Ltd (100%)	30/04/2000	144.96	Caroline Field
22	*Santos Ltd (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) Sagasco Resources Ltd (7%) Vamgas Ltd (7%)	31/12/2006	213.2	Strzelecki Field
23	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Sagasco Resources Ltd (10%) Vamgas Ltd (10%)	31/12/2006	79.9	Munkarie Field
24	" "	31/12/2006	161.32	Kidman Field
25	" "	31/12/2006	19.6	Narcoonowie Field
26	ØWestern Mining Corporation Ltd (30%) *Santos Ltd (28.571%) Delhi Petroleum Pty Ltd (17.143%) Sagasco Resources Ltd (10.536%) Vamgas Ltd (6.25%) TCPL Resources Ltd (5.0%) Adelaide Petroleum NL (2.5%)	10/06/2007	3.6	Cuttapirrie Field

27	Alliance Petroleum Australia No Liability (50%) *Santos Ltd (25%) Delhi Petroleum Pty Ltd (15%) Sagasco Resources Ltd (5%) Vamgas Ltd (5%)	31/12/2006	23.4	Mudrangie Field
28	Sagasco Resources Ltd (30%) *Santos Ltd (25%) Vamgas Ltd (20%) Delhi Petroleum Pty Ltd (15%) Australian Petroleum Development Pty Ltd (10%)	06/05/2007	15.7	Kanowana Field
29	*Santos Ltd (25%) Bridge Oil Developments Pty Ltd (23.75%) Delhi Petroleum Pty Ltd (15%) Basin Oil NL (12.5%) Reef Oil NL (12.5%) Vamgas Ltd (5%) Sagasco Resources Ltd (5%) Bridge Oil Ltd (1.25%)	31/12/2008	2.99	Rakoona Field
30	*Santos Ltd (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) Vamgas Ltd (7%) Sagasco Resources Ltd (7%)	31/12/2006	48.6	Limestone Creek-Biala Field
31	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	06/05/2007	5.7	Wanoocha Field
32	" " "	06/05/2007	5.65	Muteroo Field
33	Alliance Petroleum Australia NL (50%) *Santos Ltd (25%) Delhi Petroleum Pty Ltd (15%) Sagasco Resources Ltd (5%) Vamgas Ltd (5%)	31/12/2006	15.4	Bookabourdie Field
34	*Santos Ltd (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) Vamgas Ltd (7%) Sagasco Resources Ltd (7%)	31/12/2006	9.46	McKinlay Field
35	Alliance Petroleum Australia NL (50%) *Santos Ltd (25%) Delhi Petroleum Pty Ltd (15%) Vamgas Ltd 5% Sagasco Resources Ltd (5%)	31/12/2006	21.3	Meranji Field
36	*Santos Ltd (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) Vamgas Ltd (7%) Sagasco Resources Ltd (7%)	31/12/2006	46.93	Ulandi/Alwyn/Jena Field
37	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	06/10/2007	7.64	Spencer Field
38	" " "	06/10/2007	10.21	Dirkala Field
39	*Santos Ltd (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) Vamgas Ltd (7%) Sagasco Resources Ltd (7%)	31/12/2006	1.50	Nungeroo Field

40	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Vamgas Ltd (10%) Sargasco Resources Ltd (10%)	31/12/2007	10.59	Lepena Field
41	Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Vamgas Ltd (10%) Sargasco Resources Ltd (10%)	31/12/2011	20.34	Mundi/Kapinka Field
42	Alliance Petroleum Australia NL (50%) *Santos Ltd (25%) Delhi Petroleum Pty Ltd (15%) Sargasco Resources Ltd (5%) Vamgas Ltd (5%)	31.12/2008	7.26	Bookabourdie (Extension) Field
43	" "	31.12/2008	3.29	Taylor South Field
44	" "	31.12/2008	5.23	Bimbaya Field
45	*Santos Ltd (42%) Delhi Petroleum Pty Ltd (30%) Australian Petroleum Development Pty Ltd (10%) Sargasco Resources Ltd (10%) Vamgas Ltd (8%)	29/03/2010	1.30	Taloola
46	" "	20/12/2009	1.99	Tantanna Field
47	" "	20/12/2009	3.50	Sturt and Sturt East
48	Sargasco Resources Ltd (30%) *Santos Ltd (25%) Vamgas Ltd (20%) Delhi Petroleum Pty Ltd (15%) Australian Petroleum Development Pty Ltd (10%)	31/12/2010	2.12	Kurunda Field
49	" " "	31/12/2010	8.09	Leleptian Field
50	*Santos Ltd (25%) Bridge Oil Developments Pty Ltd (23.75%) Delhi Petroleum Pty Ltd (15%) Reef Oil NL (12.5%) Basin Oil NL (12.5%) Sargasco Resources Ltd (5%) Vamgas Ltd (5%) Bridge Oil Ltd (1.25%)	31/12/2009	17.26	Andree Field
51	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Vamgas Ltd (10%) Sargasco Resources Ltd (10%)	31/12/2011	6.88	Kirralee
52	Alliance Petroleum Aust NL (50%) *Santos Ltd (25%) Delhi Petroleum Pty Ltd (15%) Sargasco Resources Ltd (5%) Vamgas Ltd (5%)	31/12/2009	1.59	Gooranie South Field
53	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sargasco Resources Ltd (14%)	04/12/2010	1.78	Spencer West Field
54	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sargasco Resources Ltd (14%)	15/06/2010	0.10	Pintari North Field

55	*Santos Ltd (25%) Bridge Oil Developments Pty Ltd (23.75%) Reef Oil NL (12.5%) Basin Oil NL (12.5%) Delhi Petroleum Pty Ltd (15%) Sagasco Resources Ltd (5%) Vamgas Ltd (5%) Bridge Oil Ltd (1.25%)	31/12/2011	9.71	Varanus Field
57	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	16/07/2011	10.47	Thurakinna Field
58	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Vamgas Ltd (10%) Sagasco Resources Ltd (10%)	31/12/2010	14.88	Mettika Field
59	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	16/07/2011	10.46	Garanjanie Field
61	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	17/10/2011	11.86	Arrakis-Murta Field
62	*ØUltramar Australa Inc (50%) Muswellbrook Petroleum Ltd (20%) Cultus Petroleum (Australia) NL (15%) Minora Resources NL (10%) Gas and Fuel Corporation of Victoria (5%)	26/11/2011	13.98	Katnook and Ladbroke Grove Gas Fields
63	*Santos Ltd (42%) Delhi Petroleum Pty Ltd (30%) Vamgas Ltd (8%) Sagasco Resources Ltd (10%) Australian Petroleum Development Pty Ltd (10%)	23/05/2012	1.28	Malgoona (East) Field
64	" " "	23/05/2012	1.92	Malgoona (West) Field
65	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	17/07/2012	6.36	Kujani Field
66	*Santos Ltd (25%) Delhi Petroleum Pty Ltd (15%) Vamgas Ltd (20%) Sagasco Resources Ltd (30%) Australian Petroleum Development Pty Ltd (10%)	24/11/2012	10.60	Jack Lake Field
67	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	17/07/2012	10.91	Keena Field
68	*Santos Ltd (25%) Alliance Petroleum Aust NL (50%) Delhi Petroleum Pty Ltd (15%) Sagasco Resources Ltd (5%) Vamgas Ltd (5%)	31/12/2011	4.63	Cooba Field
69	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Sagasco Resources Ltd (10%) Vamgas Ltd (10%)	31/12/2011	11.64	Tarwonga Field

TOTAL

3476.25

* Operator

Ø Interests in the process of being changed

PIPELINES LICENCES (PLs)		Expiry Date	Length (kms)
1	Pipelines Authority of South Australia (100%)	31/03/2011	1065.056
2	Santos Ltd (37.7294%) Delhi Petroleum Pty Ltd (17.0342%) Sargasco Resources Ltd (13.1493%) Bridge Oil Development Pty Ltd (8.8143%) Vamgas Ltd, (7.5459%) Reef Oil NL (4.6391%) Basin Oil NL (4.6391%) Crusader Resources NL (3.9303%) Alliance Petroleum Australia NL (1.5509%) Santos Petroleum Pty Ltd (0.5036%) Bridge Oil Ltd (0.4639%)	25/11/2002	659
3	Pipelines Authority of South Australia (100%)	26/3/2011	4.2
4	Pipelines Authority of South Australia (100%)	30/9/2011	67.0
TOTAL			1 795.256

NB: An application for Pipeline Licence No. 5 is currently being processed.

OFF-SHORE

EXPLORATION PERMITS FOR PETROLEUM (EPPs)		Expiry Date	No. of Graticular Blocks
23	BHP Petroleum (Victoria) Pty Ltd (65%) *Cultus Petroleum (Australia) NL (27.12%) Hershey Oil Corporation (3.5%) Fay Richwhite Australia Ltd (2.63%) Drakar Holdings Pty Ltd (1.75%)	06/12/1993	80
24	*BHP Petroleum (Victoria) Pty Ltd (60%) Cultus Petroleum (Australia) NL (18.95%) Sargasco Resources Ltd (18.00%) Drakar Holdings Pty Ltd (3.05%)	24/01/1995	134
25	*BHP Petroleum (Victoria) Pty Ltd	12/03/1997	176
26	*BHP Petroleum (Victoria) Pty Ltd	12/03/1997	242
EPP	(Pursuant to the SA Petroleum (Submerged Lands) Act 1982)		
SA1	*BHP Petroleum (Victoria) Pty Ltd 70% Cultus Petroleum (Australia) NL 30%	14/11/96	27
TOTAL			659
*	Operator		

INTERESTS IN PELS 5 AND 6 FARMOUT AREAS

<u>Patchawarra Central</u>	<ul style="list-style-type: none"> - Santos Ltd - Bridge Oil Developments Pty Ltd - Delhi Petroleum Pty Ltd - Basin Oil NL - Reef Oil NL - Vamgas Ltd - Sagasco Resources Ltd - Bridge Oil Ltd 	<ul style="list-style-type: none"> 25.00 23.75 15.00 12.50 12.50 5.00 5.00 1.25 <u>100.00</u>
<u>Merrimelia-Innamincka</u>	<ul style="list-style-type: none"> - Alliance Petroleum Australia No Liability - Santos Ltd - Delhi Petroleum Pty Ltd - Vamgas Ltd - Sagasco Resources Ltd 	<ul style="list-style-type: none"> 50.0 25.0 15.0 5.0 5.0 <u>100.0</u>
<u>Murta</u>	<ul style="list-style-type: none"> - Santos Ltd - Delhi Petroleum Pty Ltd - Vamgas Ltd - Sagasco Resources Ltd 	<ul style="list-style-type: none"> 45.0 27.0 14.0 14.0 <u>100.0</u>
<u>Tinga-Tingana</u>	<ul style="list-style-type: none"> - Santos Ltd - Delhi Petroleum Pty Ltd - Vamgas Ltd - Sagasco Resources Ltd 	<ul style="list-style-type: none"> 45.0 27.0 14.0 14.0 <u>100.0</u>
<u>Patchawarra South-West</u>	<ul style="list-style-type: none"> - Sagasco Resources Ltd - Santos Ltd - Vamgas Ltd - Delhi Petroleum Pty Ltd - Australian Petroleum Development Pty Ltd 	<ul style="list-style-type: none"> 30.0 25.0 20.0 15.0 10.0 <u>100.0</u>
<u>Nappacoongee-Murteree</u>	<ul style="list-style-type: none"> - Santos Ltd - Crusader Resources NL - Delhi Petroleum Pty Ltd - Vamgas Ltd - Sagasco Resources Ltd 	<ul style="list-style-type: none"> 35.0 30.0 21.0 7.0 7.0 <u>100.0</u>
<u>*Patchawarra East</u>	<ul style="list-style-type: none"> - Western Mining Corporation Ltd - Santos Ltd - Delhi Petroleum Pty Ltd - Sagasco Resources Ltd - Vamgas Ltd - TCPL Resources Ltd - Adelaide Petroleum NL 	<ul style="list-style-type: none"> 30.000 28.571 17.143 10.536 6.250 5.000 2.500 <u>100.000</u>
<u>Lake Hope</u>	<ul style="list-style-type: none"> - Santos Ltd - Delhi Petroleum Pty Ltd - Sagasco Resources Ltd - Australian Petroleum Development Pty Ltd - Vamgas Ltd 	<ul style="list-style-type: none"> 42.0 30.0 10.0 10.0 8.0 <u>100.0</u>

<u>Moomba</u>	- Santos Ltd	50.0
	- Delhi Petroleum Pty Ltd	30.0
	- Vamgas Ltd	10.0
	- Sagasco Resources Ltd	<u>10.0</u>
		100.0
<u>Toolachee</u>	- Santos Ltd	50.0
	- Delhi Petroleum Pty Ltd	30.0
	- Vamgas Ltd	10.0
	- Sagasco Resources Ltd	<u>10.0</u>
		100.0
* <u>Birdsville Track Ridge 'A'</u> (Haddon)	- Santos Ltd	43.75*
	- Delhi Petroleum Pty Ltd	30.00
	- Vamgas Ltd	8.75
	- Sagasco Resources Ltd	8.75
	- Peko Oil Ltd	<u>8.75</u>
		100.00
<u>Birdsville Track Ridge 'B'</u> (Clifton)	- Santos Ltd	50.0
	- Delhi Petroleum Pty Ltd	30.0
	- Vamgas Ltd	10.0
	- Sagasco Resources Ltd	<u>10.0</u>
		100.0
<u>Birdsville Track Ridge 'C'</u> (Kooncherra)	- Santos Ltd	43.75
	- Delhi Petroleum Pty Ltd	30.00
	- Vamgas Ltd	10.00
	- Sagasco Resources Ltd	10.00
	- CNW Exploration Pty Ltd	<u>6.25</u>
		100.00

* In the process of interests changing

Birdsville

139°

139°

140°

QUEENSLAND

141° 26'

Q

R

COOPER SECTOR

S

G

FARMOUT AREAS

- A Patchawarra Central
- B Merrimelia - Innamincka
- C Murta
- D Tinga Tingana
- E Patchawarra South-west
- F Nappacoongee - Murrere
- G Patchawarra East
- L Lake Hope
- N Moomba
- O Toolachee
- Q Clifton
- R Haddon
- S Koonchera

TRACK

TRACK

27°

A

B

Innamincka

E

N

28°

L

Moomba

F

O

SYDNEY GAS PIPELINE

LIQUIDS GAS PIPELINE

STRAZLECKY

HEW SOUTH WALES

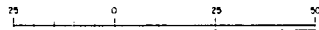
PORT ADELAIDE

BOYNTHON

MOOMBA

Marree

SCALE IN KILOMETRES



PELs 5 & 6

PETROLEUM PRODUCTION LICENCES
 FARMOUT AREAS
 SECTORS

1 JANUARY 1992

GRANT OF PETROLEUM EXPLORATION LICENCE

Department of Mines and Energy, Parkside, 18 November 1991

NOTICE is hereby given that the undermentioned petroleum exploration licence has been granted under the provisions of the Petroleum Act, 1940.

J. H. C. KLUNDER, Minister of Mines and Energy

No. of Licence	Licensee	Locality	Date of Expiry	Area in km ²	Reference
57	Lakes Oil Limited	Otway Basin of South Australia	17.11.96	1 048	SR 27/2/113

The land comprised in the licence is all that part of the State of South Australia, bounded as follows:

Commencing at a point being the intersection of latitude 37°42'30"S and longitude 140°32'30"E, thence east to the eastern border of the State of South Australia, thence southerly along the said border to latitude 37°53'30"S, west to longitude 140°50'00"E, south to latitude 37°55'00"S, west to longitude 140°47'30"E, south to latitude 37°56'30"S, east to longitude 140°48'30"E, south to latitude 37°57'30"S, east to longitude 140°50'00"E, south to latitude 37°58'30"S, east to longitude 140°52'30"E, south to latitude 38°00'00"S, east to the eastern border of the State of South Australia, thence southerly along the said border to low water mark, Discovery Bay, thence generally westerly and north-westerly along the said low water mark to latitude 38°00'00"S, east to longitude 140°37'30"E, north to latitude 37°45'30"S, west to longitude 140°32'30"E and north to the point of commencement.

All the within latitudes and longitudes are geodetic and expressed in terms of the Australian Geodetic Datum as defined on p. 4984 of the *Commonwealth Gazette* No. 84 dated 6 October 1966.

GRANT OF PETROLEUM PRODUCTION LICENCE

Department of Mines and Energy, Parkside, 25 November 1991

NOTICE is hereby given that the undermentioned petroleum production licence has been granted under the provisions of the Petroleum Act, 1940.

J. KLUNDER, Minister of Mines and Energy

No. of Licence	Licensees	Locality	Date of Expiry	Area in km ²	Reference
66	Santos Ltd Delhi Petroleum Pty Ltd Vamgas Ltd Sargasco Resources Ltd Australian Petroleum Development Pty Ltd	Jack Lake Field in the Cooper Basin of South Australia	24.11.2012	10.60	SR 28/1/1168

Description of Area

All the part of the State of South Australia bounded as follows:

Commencing at a point being the intersection of latitude 27°55'50"S and longitude 139°48'30"E, thence east to longitude 139°50'10"E, south to latitude 27°57'40"S, west to longitude 139°50'00"E, south to latitude 27°58'00"S, west to longitude 139°49'00"E, north to latitude 27°57'40"S, west to longitude 139°48'40"E, north to latitude 27°57'30"S, west to longitude 139°48'30"E, north to latitude 27°57'10"S, west to longitude 139°48'20"E, north to latitude 27°56'20"S, east to longitude 139°48'30"E and north to the point of commencement.

All the within latitudes and longitudes are geodetic and expressed in terms of the Australian Geodetic Datum as defined on p. 4984 of *Commonwealth Gazette* number 84 dated 6 October 1966.

NOTICE OF SURRENDER OF PORTION OF PETROLEUM EXPLORATION LICENCE

Department of Mines and Energy, Parkside, 24 October 1991

NOTICE is hereby given that portion of the undermentioned petroleum exploration licence has been surrendered in accordance with the provisions of the Petroleum Act, 1940.

J. H. C. KLUNDER, Minister of Mines and Energy

No. of Licence	Licensees	Locality	Date of Surrender	Area in km ²	Reference
38	Beach Petroleum NL, Barcoo Petroleum NL, Bruce Anderson Oil Corporation of Australia	Otway Basin of South Australia	24.10.91	780	SR. 27/2/98

Description of Area

The licence area being retained is that portion of the State bounded as follows: Commencing at a point being the intersection of latitude 37°10'00"S and longitude 140°02'00"E, thence east to longitude 140°15'00"E, south to latitude 37°16'00"S, west to longitude 140°02'00"E, and north to the point of commencement.

All the within latitudes and longitudes being geodetic and expressed in terms of the Australian Geodetic Datum as defined on p. 4984 of *Commonwealth Gazette* number 84 dated 6 October 1966.

Area: 213 square kilometres approximately.

GRANT OF PETROLEUM PRODUCTION LICENCE

Department of Mines and Energy, Parkside, 7 November 1991

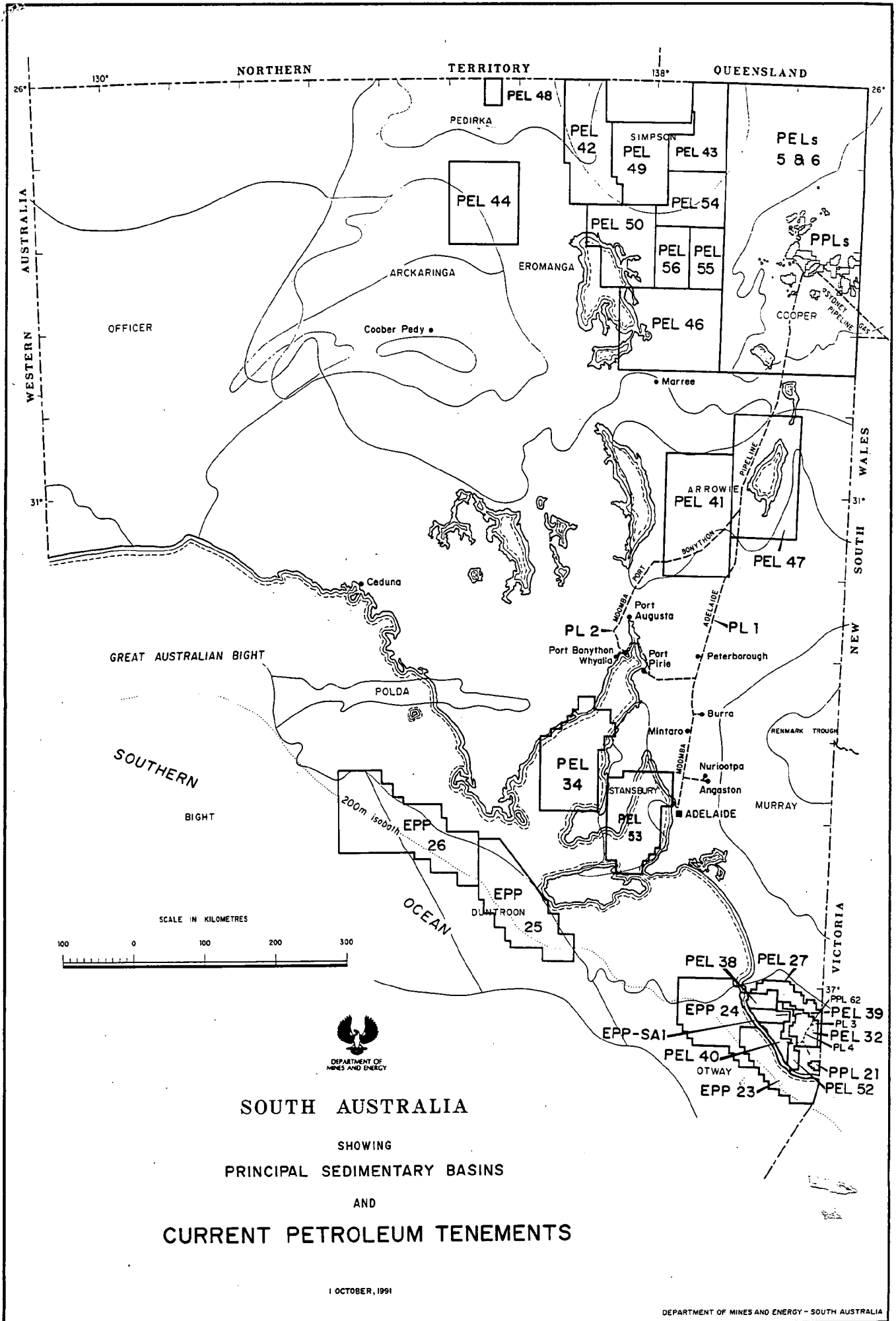
NOTICE is hereby given that the undermentioned petroleum production licence has been granted under the provisions of the Petroleum Act, 1940.

JOHN KLUNDER, Minister of Mines and Energy

No. of Licence	Licensees	Locality	Date of Expiry	Area in km ²	Reference
69	<ul style="list-style-type: none"> • Santos Ltd • Delhi Petroleum Pty Ltd • SAGASCO Resources Ltd • Vamgas Ltd 	Tarwonga Field in the Cooper Basin of South Australia	31 December 2011	11.64	SR 28/1/175

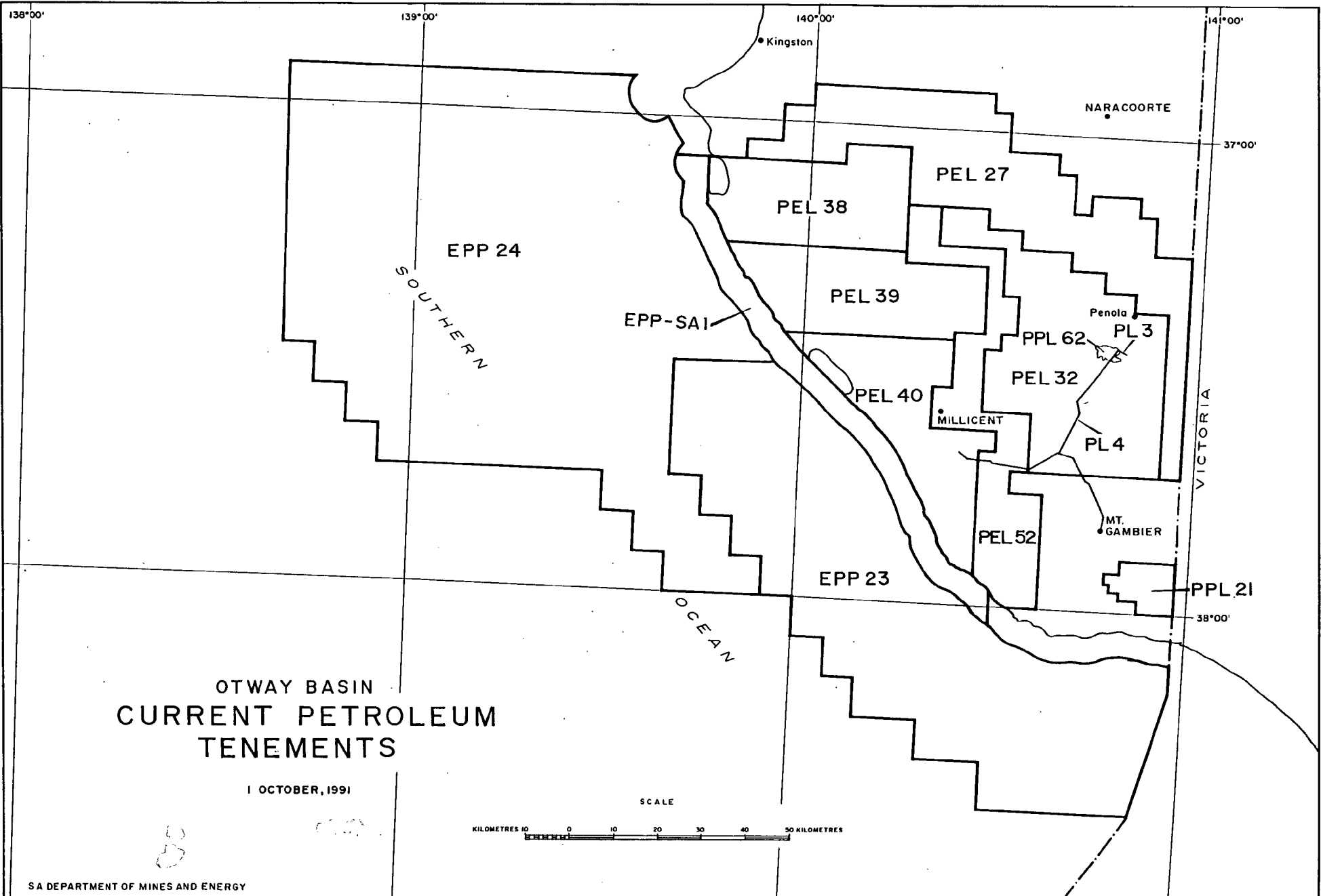
Description of Area

All that part of the State of South Australia bounded as follows: Commencing at a point being the intersection of latitude 28°18'50"S and longitude 140°42'10"E, thence east to longitude 140°43'10"E, south to latitude 28°20'00"S, east to longitude 140°43'20"E, south to latitude 28°20'50"S, east to longitude 140°43'30"E, south to latitude 28°21'50"S, west to longitude 140°42'20"E, south to latitude 28°22'40"S, west to longitude 140°42'00"E, north to latitude 28°22'30"S, west to longitude 140°41'40"E, north to latitude 28°21'40"S, east to longitude 140°41'50"E, north to latitude 28°21'20"S, east to longitude 140°42'00"E, north to latitude 28°20'50"S, east to longitude 140°42'30"E, north to latitude 28°19'40"S, west to longitude 140°42'10"E, and north to the point of commencement. All the within latitudes and longitudes are geodetic and expressed in terms of the Australian Geodetic Datum as defined on p. 4984 of *Commonwealth Gazette* number 84 dated 6 October 1966.



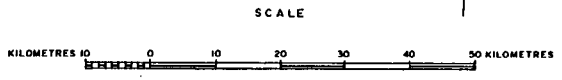
SOUTH AUSTRALIA
 SHOWING
PRINCIPAL SEDIMENTARY BASINS
 AND
CURRENT PETROLEUM TENEMENTS

1 OCTOBER, 1991



OTWAY BASIN
CURRENT PETROLEUM
TENEMENTS

1 OCTOBER, 1991



**DEPARTMENT OF MINES AND ENERGY
SOUTH AUSTRALIA**

HOLDERS OF PETROLEUM TENEMENTS

Current as at 1 October 1991

Includes:

**Onshore Petroleum Exploration Licences (PELs)
Petroleum Production Licences (PPLs)
Pipeline Licences (PLs)
Offshore Exploration Permits for Petroleum (EPPs)
Interests in PELs 5 & 6 Farmout Areas**

ON-SHORE		Expiry Date	Area (km ²)
PETROLEUM EXPLORATION LICENCES (PELs)			
5	Delhi Petroleum Pty Ltd (100%)	27/2/94	36541
6	Santos Ltd (100%)	27/2/94	36541
27	Oil Company of Australia NL (45%) Poseidon Oil Pty Ltd (25%) Cluff Resources Pacific Ltd (15%) CPC Petroleum Corporation NL (10%) Ampolex (PPL) Pty Ltd (5%)	30/7/94	2082
32	*Ultramar Australia Inc (50%) Muswellbrook Petroleum Ltd (20%) Cultus Petroleum (Australia) NL (15%) Minora Resources NL (10%) Gas and Fuel Corporation of Victoria (5%)	18/2/95	1711
34	Nerdlihc Company Inc (100%)	27/6/95	11822
38	Beach Petroleum NL (50%) Barcoo Petroleum NL (30%) Bruce Anderson Oil (20%) Corporation of Australia	3/1/95	993
39	Gas and Fuel Exploration NL (50%) Cultus Petroleum (Australia) NL (30%) Magellan Petroleum Australia Ltd (20%)	9/11/94	927
40	Sagasco Resources Ltd (100%)	9/11/94	1098
41	Frontier Exploration Ltd (100%)	18/2/95	15829
42	Anzoil NL (95%) Fossil Cliff Oil Pty Ltd (5%)	24/9/95	10638
43	Nobjade Pty Ltd	21/3/96	7453
44	Anzoil NL (95%) Fossil Cliff Oil Pty Ltd (5%)	17/6/95	10941
46	Lennard Oil NL/ (25%) Phoenix Oil and Gas NL (25%) CPC Petroleum Corporation NL (20%) Fossil Cliff Oil Pty Ltd (15%) Aquatic Resources Corporation Pty Ltd (15%)	14/11/95	16187
47	Anzoil NL (95%) Fossil Cliff Oil Pty Ltd (5%)	17/6/95	15911
48	Mariebar International (Qld) Pty Ltd (50%) James Fraser Allender (50%)	30/7/95	928
49	Felstea Pty Ltd (100%)	30/6/96	9213
50	Felstea Pty Ltd (100%)	30/6/96	9714
52	Irvin Weitzman (100%)	25/11/95	1143
53	Preview Resources Pty Ltd (50%) Oakman Pty Ltd (50%)	3/12/95	10136
54	Duerden Energy NL (100%)	16/6/96	6538
55	Lennard Oil NL (100%)	21/3/96	4080
56	Stelner Holdings Pty Ltd (100%)	6/6/96	4080
	TOTAL		214506

NB: 1 PELs 45, 51 and 57 are currently being processed
* Interests in the process of being changed

PETROLEUM PRODUCTION LICENCES (PPLs)		Expiry Date	Area (km ²)	Name of Area
6	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (40%) Vamgas Ltd (10%)	31/12/2005	257.4	Gidgealpa Field
7	" "	31/12/2005	254.2	Moomba North Field
8	" "	31/12/2005	254.0	Moomba West Field
9	" "	31/12/2005	133.0	Moomba South Field
10	" "	31/12/2005	226.4	Daralingie Field
11	" "	31/12/2005	160.1	Big Lake Field
12	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Sagasco Resources Ltd (10%) Vamgas Ltd (10%)	31/12/2005	157.3	Burke-Dullingari Field
13	" "	31/12/2005	56.07	Brumby Field
14	" "	31/12/2005	233.05	Toolachee Field
15	*Santos Ltd (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (28%) Vamgas Ltd (7%)	31/12/2005	154.3	Della Field
16	" "	31/12/2005	126.9	Big Lake & Namur Fields
17	Alliance Petroleum Australia NL (50%) *Santos Ltd (25%) Delhi Petroleum Pty Ltd (15%) Vamgas Ltd (5%) Sagasco Resources Ltd (5%)	31/12/2005	140.83	Merrimelia Field
18	*Santos Ltd (25%) Bridge Oil Ltd (25%) Delhi Petroleum Pty Ltd (20%) Basin Oil NL (12.5%) Reef Oil NL (12.5%) Vamgas Ltd (5%)	31/12/2005	109.4	Fly Lake-Brolga Field
19	" " "	31/12/2005	36.5	Moorari Field
20	" " "	31/12/2005	129.72	Tirrawarra Field
21	*Liquid Air Australia Ltd (100%)	30/04/2000	144.96	Caroline Field
22	*Santos Ltd (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) Sagasco Resources Ltd (7%) Vamgas Ltd (7%)	31/12/2006	213.2	Strzelecki Field
23	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Sagasco Resources Ltd (10%) Vamgas Ltd (10%)	31/12/2006	79.9	Munkarie Field
24	" "	31/12/2006	161.32	Kidman Field
25	" "	31/12/2006	19.6	Narcoonowie Field
26	ØWestern Mining Corporation Ltd (30%) *Santos Ltd (28.571%) Delhi Petroleum Pty Ltd (17.143%) Sagasco Resources Ltd (10.536%) Vamgas Ltd (6.25%) TCPL Resources Ltd (5.0%) Adelaide Petroleum NL (2.5%)	10/06/2007	3.6	Cuttapirrie Field
27	Alliance Petroleum Australia No Liability (50%) *Santos Ltd (25%) Delhi Petroleum Pty Ltd (15%) Sagasco Resources Ltd (5%) Vamgas Ltd (5%)	31/12/2006	23.4	Mudrangie Field
28	Sagasco Resources Ltd (30%) *Santos Ltd (25%) Vamgas Ltd (20%) Delhi Petroleum Pty Ltd (15%) Australian Petroleum Development Pty Ltd (10%)	06/05/2007	15.7	Kanowana Field

29	*Santos Ltd (25%) Bridge Oil Developments Pty Ltd (23.75%) Delhi Petroleum Pty Ltd (15%) Basin Oil NL (12.5%) Reef Oil NL (12.5%) Vamgas Ltd (5%) Sagasco Resources Ltd (5%) Bridge Oil Ltd (1.25%)	31/12/2008	2.99	Rakoona Field
30	*Santos Ltd (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) Vamgas Ltd (7%) Sagasco Resources Ltd (7%)	31/12/2006	48.6	Limestone Creek- Biala Field
31	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	06/05/2007	5.7	Wancoocha Field
32	" " "	06/05/2007	5.65	Muteroo Field
33	Alliance Petroleum Australia NL (50%) *Santos Ltd (25%) Delhi Petroleum Pty Ltd (15%) Sagasco Resources Ltd (5%) Vamgas Ltd (5%)	31/12/2006	15.4	Bookabourdie Field
34	*Santos Ltd (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) Vamgas Ltd (7%) Sagasco Resources Ltd (7%)	31/12/2006	9.46	McKinlay Field
35	Alliance Petroleum Australia NL (50%) *Santos Ltd (25%) Delhi Petroleum Pty Ltd (15%) Vamgas Ltd 5% Sagasco Resources Ltd (5%)	31/12/2006	21.3	Meranji Field
36	*Santos Ltd (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) Vamgas Ltd (7%) Sagasco Resources Ltd (7%)	31/12/2006	46.93	Ulandi/Alwyn/Jena Field
37	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	06/10/2007	7.64	Spencer Field
38	" " "	06/10/2007	10.21	Dirkala Field
39	*Santos Ltd (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) Vamgas Ltd (7%) Sagasco Resources Ltd (7%)	31/12/2006	1.50	Nungeroo Field
40	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Vamgas Ltd (10%) Sagasco Resources Ltd (10%)	31/12/2007	10.59	Lepena Field
41	Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Vamgas Ltd (10%) Sagasco Resources Ltd (10%)	31/12/2011	20.34	Mundi/Kapinka Field
42	Alliance Petroleum Australia NL (50%) *Santos Ltd (25%) Delhi Petroleum Pty Ltd (15%) Sagasco Resources Ltd (5%) Vamgas Ltd (5%)	31.12/2008	7.26	Bookabourdie (Extension) Field
43	" " "	31.12/2008	3.29	Taylor South Field
44	" " "	31.12/2008	5.23	Bimbaya Field
45	*Santos Ltd (42%) Delhi Petroleum Pty Ltd (30%) Australian Petroleum Development Pty Ltd (10%) Sagasco Resources Ltd (10%) Vamgas Ltd (8%)	29/03/2010	1.30	Taloola
46	" " "	20/12/2009	1.99	Tantanna Field
47	" " "	20/12/2009	3.50	Sturt and Sturt East

48	Sagasco Resources Ltd (30%) *Santos Ltd (25%) Vamgas Ltd (20%) Delhi Petroleum Pty Ltd (15%) Australian Petroleum Development Pty Ltd (10%)	31/12/2010	2.12	Kurunda Field
49	" " "	31/12/2010	8.09	Leleptian Field
50	*Santos Ltd (25%) Bridge Oil Developments Pty Ltd (23.75%) Delhi Petroleum Pty Ltd (15%) Reef Oil NL (12.5%) Basin Oil NL (12.5%) Sagasco Resources Ltd (5%) Vamgas Ltd (5%) Bridge Oil Ltd (1.25%)	31/12/2009	17.26	Andree Field
51	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Vamgas Ltd (10%) Sagasco Resources Ltd (10%)	31/12/2011	6.88	Kirralee
52	Alliance Petroleum Aust NL (50%) *Santos Ltd (25%) Delhi Petroleum Pty Ltd (15%) Sagasco Resources Ltd (5%) Vamgas Ltd (5%)	31/12/2009	1.59	Gooranie South Field
53	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	04/12/2010	1.78	Spencer West Field
54	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	15/06/2010	0.10	Pintari North Field
55	*Santos Ltd (25%) Bridge Oil Developments Pty Ltd (23.75%) Reef Oil NL (12.5%) Basin Oil NL (12.5%) Delhi Petroleum Pty Ltd (15%) Sagasco Resources Ltd (5%) Vamgas Ltd (5%) Bridge Oil Ltd (1.25%)	31/12/2011	9.71	Varunus Field
57	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	16/07/2011	10.47	Thurakinna Field
58	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Vamgas Ltd (10%) Sagasco Resources Ltd (10%)	31/12/2010	14.88	Mettika Field
59	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	16/07/2011	10.46	Garanjanie Field
61	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	17/10/2011	11.86	Arrakis-Murta Field
62	*ØUltramar Australa Inc (50%) Muswellbrook Petroleum Ltd (20%) Cultus Petroleum (Australia) NL (15%) Minora Resources NL (10%) Gas and Fuel Corporation of Victoria (5%)	26/11/2011	13.98	Katnook and Ladbroke Grove gas Fields
63	*Santos Ltd (42%) Delhi Petroleum Pty Ltd (30%) Vamgas Ltd (8%) Sagasco Resources Ltd (10%) Australian Petroleum Development Pty Ltd (10%)	23/05/2012	1.28	Malgoona (East) Field
64	" " "	23/05/2012	1.92	Malgoona (West) Field
65	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	17/07/2012	6.36	Kujani Field
67	*Santos Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) Sagasco Resources Ltd (14%)	17/07/2012	10.91	Keena Field

68	*Santos Ltd (25%) Alliance Petroleum Aust NL (50%) Delhi Petroleum Pty Ltd (15%) Sagasco Resources Ltd (5%) Vamgas Ltd (5%)	31/12/2011	4.63	Cooba Field
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TOTAL			<u>3454.01</u>	
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- NB 1. PPL 66 - An application is being processed over the Jack Lake Field
2. PPL 69 - An application is being processed over the Tarwonga Field
* Operator
Ø Interests in the process of being changed

PIPELINES LICENCES (PLs)		Expiry Date	Length (kms)
1	Pipelines Authority of South Australia (100%)	31/03/2011	1065.056
2	Santos Ltd (37.7294%) Delhi Petroleum Pty Ltd (17.0342%) Sagasco Resources Ltd (13.1493%) Bridge Oil Development Pty Ltd (8.8143%) Vamgas Ltd, (7.5459%) Reef Oil NL (4.6391%) Basin Oil NL (4.6391%) Crusader Resources NL (3.9303%) Alliance Petroleum Australia NL (1.5509%) Santos Petroleum Pty Ltd (0.5036%) Bridge Oil Ltd (0.4639%)	25/11/2002	659
3	Pipelines Authority of South Australia (100%)	26/3/2011	4.2
4	Pipelines Authority of South Australia (100%)	30/9/2011	67.0
TOTAL			1 795.256

OFF-SHORE

EXPLORATION PERMITS FOR PETROLEUM (EPPs)		Expiry Date	No. of Graticular Blocks
23	*BHP Petroleum (Victoria) Pty Ltd (65%) Cultus Petroleum (Australia) NL (27.12%) Hershey Oil Corporation (3.5%) Fay Richwhite Australia Ltd (2.63%) Drakar Holdings Pty Ltd (1.75%)	06/12/1993	80
24	*BHP Petroleum (Victoria) Pty Ltd (60%) Cultus Petroleum (Australia) NL (18.95%) Sagasco Resources Ltd (18.00%) Drakar Holdings Pty Ltd (3.05%)	24/01/1995	134
25	ØBHP Petroleum (Australia) Pty Ltd	12/03/1997	176
26	ØBHP Petroleum (Australia) Pty Ltd	12/03/1997	242
EPP	(Pursuant to the SA Petroleum (Submerged Lands) Act		
SA1	*BHP Petroleum (Victoria) Pty Ltd 70% Cultus Petroleum (Australia) NL 30%	14/11/96	27
TOTAL			659

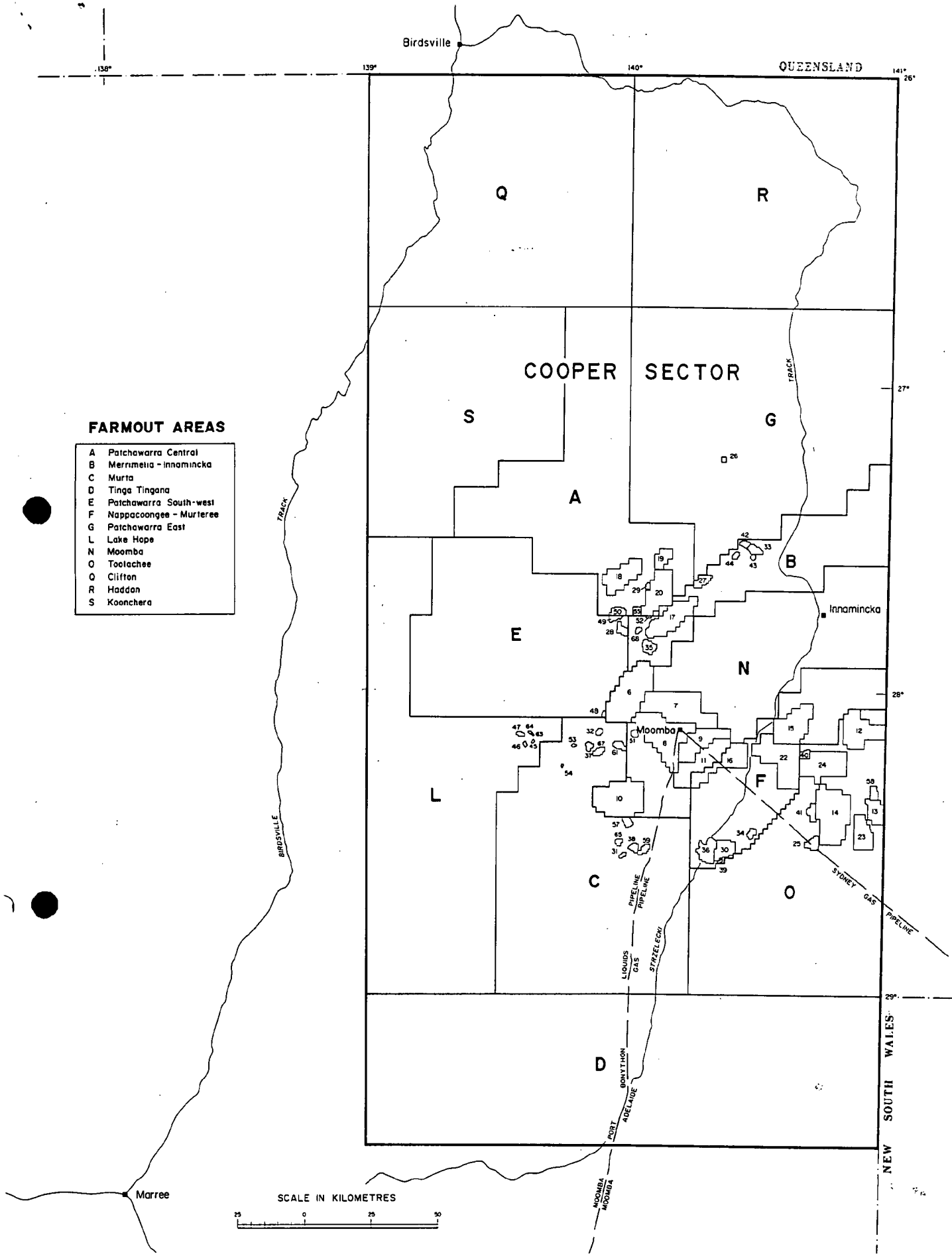
* Operator
Ø In the process of being changed

INTERESTS IN PELS 5 AND 6 FARMOUT AREAS

<u>Patchawarra Central</u>	- Santos Ltd	25.00
	- Bridge Oil Developments Pty Ltd	23.75
	- Delhi Petroleum Pty Ltd	15.00
	- Basin Oil NL	12.50
	- Reef Oil NL	12.50
	- Vamgas Ltd	5.00
	- Sagasco Resources Ltd	5.00
	- Bridge Oil Ltd	1.25
		<u>100.00</u>
<u>Merrimelia-Innamincka</u>	- Alliance Petroleum Australia No Liability	50.0
	- Santos Ltd	25.0
	- Delhi Petroleum Pty Ltd	15.0
	- Vamgas Ltd	5.0
	- Sagasco Resources Ltd	5.0
		<u>100.0</u>
<u>Murta</u>	- Santos Ltd	45.0
	- Delhi Petroleum Pty Ltd	27.0
	- Vamgas Ltd	14.0
	- Sagasco Resources Ltd	14.0
		<u>100.0</u>
<u>Tinga-Tingana</u>	- Santos Ltd	45.0
	- Delhi Petroleum Pty Ltd	27.0
	- Vamgas Ltd	14.0
	- Sagasco Resources Ltd	14.0
		<u>100.0</u>
<u>Patchawarra South-West</u>	- Sagasco Resources Ltd	30.0
	- Santos Ltd	25.0
	- Vamgas Ltd	20.0
	- Delhi Petroleum Pty Ltd	15.0
	- Australian Petroleum Development Pty Ltd	10.0
		<u>100.0</u>
<u>Nappacoongee-Murteree</u>	- Santos Ltd	35.0
	- Crusader Resources NL	30.0
	- Delhi Petroleum Pty Ltd	21.0
	- Vamgas Ltd	7.0
	- Sagasco Resources Ltd	7.0
		<u>100.0</u>
<u>*Patchawarra East</u>	- Western Mining Corporation Ltd	30.000
	- Santos Ltd	28.571
	- Delhi Petroleum Pty Ltd	17.143
	- Sagasco Resources Ltd	10.536
	- Vamgas Ltd	6.250
	- TCPL Resources Ltd	5.000
	- Adelaide Petroleum NL	2.500
		<u>100.000</u>
<u>Lake Hope</u>	- Santos Ltd	42.0
	- Delhi Petroleum Pty Ltd	30.0
	- Sagasco Resources Ltd	10.0
	- Australian Petroleum Development Pty Ltd	10.0
	- Vamgas Ltd	8.0
		<u>100.0</u>
<u>Moomba</u>	- Santos Ltd	50.0
	- Delhi Petroleum Pty Ltd	30.0
	- Vamgas Ltd	10.0
	- Sagasco Resources Ltd	10.0
		<u>100.0</u>
<u>Toolachee</u>	- Santos Ltd	50.0
	- Delhi Petroleum Pty Ltd	30.0
	- Vamgas Ltd	10.0
	- Sagasco Resources Ltd	10.0
		<u>100.0</u>

* <u>Birdsville Track Ridge</u> 'A'	- Santos Ltd	43.75*
(Haddon)	- Delhi Petroleum Pty Ltd	30.00
	- Vamgas Ltd	8.75
	- Sagasco Resources Ltd	8.75
	- Peko Oil Ltd	8.75
		<u>100.00</u>
<u>Birdsville Track Ridge</u> 'B'	- Santos Ltd	50.0
(Clifton)	- Delhi Petroleum Pty Ltd	30.0
	- Vamgas Ltd	10.0
	- Sagasco Resources Ltd	10.0
		<u>100.0</u>
<u>Birdsville Track Ridge</u> 'C'	- Santos Ltd	43.75
(Kooncherra)	- Delhi Petroleum Pty Ltd	30.00
	- Vamgas Ltd	10.00
	- Sagasco Resources Ltd	10.00
	- CNW Exploration Pty Ltd	6.25
		<u>100.00</u>

* In the process of interests changing



PELs 5 & 6

PETROLEUM PRODUCTION LICENCES
FARMOUT AREAS
SECTORS

GRANT OF PETROLEUM PRODUCTION LICENCE

Department of Mines and Energy, Parkside, 18 July 1991

NOTICE is hereby given that the undermentioned petroleum production licence has been granted under the provisions of the Petroleum Act, 1940.

J. KLUNDER, Minister of Mines and Energy

No. of Licence	Licensees	Locality	Date of Expiry	Area in km ²	Reference
67	SANTOS Ltd Delhi Petroleum Pty Ltd Vamgas Ltd SAGASCO Resources Ltd	Keena Field in the Cooper Basin of South Australia	17.7.2012	10.91	SR 28/1/169

Description of Area

All that part of the State of South Australia bounded as follows: Commencing at a point being the intersection of latitude 28°11'00"S and longitude 139°53'30"E, thence east to longitude 139°54'50"E, south to latitude 28°11'50"S west to longitude 139°54'40"E, south to latitude 28°12'00"S, west to longitude 139°54'30"E, south to latitude 28°12'10"S, west to longitude 139°54'20"E, south to latitude 28°12'30"S, west to longitude 139°53'50"E, south to latitude 28°12'40"S, west to longitude 139°53'40"E, south to latitude 28°12'50"S, west to longitude 139°52'10"E, north to latitude 28°11'50"S, east to longitude 139°52'40"E, north to latitude 28°11'30"S, east to longitude 139°53'00"E, north to latitude 28°11'10"S, east to longitude 139°53'30"E, and north to the point of commencement. All the within latitudes and longitudes are geodetic and expressed in terms of the Australian Geodetic Datum as defined on p. 4984 of *Commonwealth Gazette* No. 84 dated 6 October 1966.

GRANT OF PETROLEUM PRODUCTION LICENCE

Department of Mines and Energy, Parkside, 3 September 1991

NOTICE is hereby given that the undermentioned petroleum production licence has been granted under the provisions of the Petroleum Act, 1940.

J. KLUNDER, Minister of Mines and Energy

No. of Licence	Licensees	Locality	Date of Expiry	Area in km ²	Reference
68	Santos Ltd Alliance Petroleum Aust NL Delhi Petroleum Pty Ltd Sagasco Resources Ltd Vamgas Limited	Cooba Field in the Cooper Basin of South Australia	31.12.2011	4.63	SR 28/1/172

Description of Area

All that part of the State of South Australia bounded as follows: Commencing at a point being the intersection of latitude 27°47'10"S and longitude 140°02'00"E, thence east to longitude 140°03'10"E, south to latitude 27°47'30"S, east to longitude 140°03'20"E, south to latitude 27°47'50"S, west to longitude 140°03'10"E, south to latitude 27°48'00"S, west to longitude 140°02'50"E, south to latitude 27°48'10"S, west to longitude 140°02'40"E, south to latitude 27°48'20"S, west to longitude 140°02'30"E, south to latitude 27°48'30"S, west to longitude 140°01'50"E, north to latitude 27°47'30"S, east to longitude 140°02'00"E and north to the point of commencement. All the within latitudes and longitudes are geodetic and expressed in terms of the Australia Geodetic Datum as defined on p. 4984 of *Commonwealth Gazette* number 84, dated 6 October 1966.

GRANT OF PETROLEUM PRODUCTION LICENCE

Department of Mines and Energy, Parkside, 3 September 1991

NOTICE is hereby given that the undermentioned petroleum production licence has been granted under the provisions of the Petroleum Act, 1940.

J. KLUNDER, Minister of Mines and Energy

No. of Licence	Licencees	Locality	Date of Expiry	Area in km ²	Reference
41	<ul style="list-style-type: none"> • Santos Ltd • Delhi Petroleum Pty Ltd • Vamgas Ltd • SAGASCO Resources Ltd 	Mundi/Kapinka Field in the Cooper Basin of South Australia	31 December 2011	20.34	SR 28/1/124

Description of Area

All that part of the State of South Australia, bounded as follows: commencing at a point being the intersection of latitude 28°21'50"S and longitude 140°42'20"E, thence east to longitude 140°44'00"E, south to latitude 28°25'00"S, east to longitude 140°44'20"E, south to latitude 28°25'30"S, west to longitude 140°42'20"E, north to latitude 28°24'20"S, west to longitude 140°42'00"E, north to latitude 28°24'00"S, west to longitude 140°41'40"E, north to latitude 28°23'00"S, east to longitude 140°42'00"E, north to latitude 28°22'40"S, east to longitude 140°42'20"E, and north to the point of commencement. All the within latitudes and longitudes are geodetic and expressed in terms of the Australian Geodetic Datum as defined on p. 4984 of *Commonwealth Gazette* number 84 dated 6 October 1966, except those latitudes and longitudes underlined which are expressed in terms of the Clarke 1858 spheroid (Transverse Mercator Projection).

GRANT OF PETROLEUM EXPLORATION LICENCE

Department of Mines and Energy, Parkside, 1 July 1991

NOTICE is hereby given that the undermentioned petroleum exploration licence has been granted under the Petroleum Act, 1940.

J. KLUNDER, Minister of Mines and Energy

No. of Licence	Licensee	Locality	Date of Expiry	Area in km ²	Reference
49	Felstea Pty Ltd	Eromanga Basin of South Australia	30.6.96	9 213	SR 27/2/111

The land comprised in the licence is all that part of the State of South Australia, bounded as follows:

Commencing at a point being the intersection of latitude 26°22'S and longitude 138°30'E, thence east to longitude 138°32'E, south to latitude 26°38'S, west to longitude 138°10'E, south to latitude 27°30'S, west to longitude 137°30'E, north to latitude 27°15'S, west to longitude 137°25'E, north to latitude 27°10'S, west to longitude 137°20'E, north to latitude 26°30'S, east to longitude 138°30'E, and north to the point of commencement, all the within latitudes and longitudes being geodetic and expressed in terms of the Australian Geodetic Datum as defined on p. 4984 of *Commonwealth Gazette* number 84, dated 6 October 1966.

GRANT OF PETROLEUM EXPLORATION LICENCE

Department of Mines and Energy, Parkside, 1 July 1991

NOTICE is hereby given that the undermentioned petroleum exploration licence has been granted under the provisions of the Petroleum Act, 1940.

J. KLUNDER, Minister of Mines and Energy

No. of Licence	Licensee	Locality	Date of Expiry	Area in km ²	Reference
50	Felstea Pty Ltd	Eromanga Basin of South Australia	30.6.96	9 714	SR 27/2/109

The land comprised in the licence is all that part of the State of South Australia, bounded as follows:

Commencing at a point being the intersection of latitude 27°30'S and longitude 137°00'E, thence east to longitude 138°00'E, south to latitude 28°30'S, west to longitude 137°13'E, north to latitude 28°00'S, west to longitude 137°00'E, and north to the point of commencement, all the within latitudes and longitudes being geodetic and expressed in terms of the Australian Geodetic Datum as defined on p. 4984 of *Commonwealth Gazette* number 84, dated 6 October 1966.

GRANT OF PETROLEUM PRODUCTION LICENCE

Department of Mines and Energy, Parkside, 9 July 1991

NOTICE is hereby given that the undermentioned petroleum production licence has been granted under the provisions of the Petroleum Act, 1940.

J. KLUNDER, Minister of Mines and Energy

No. of Licence	Licensees	Locality	Date of Expiry	Area in km ²	Reference
55	Santos Ltd, Bridge Oil Developments Pty Ltd, Reef Oil NL, Basin Oil NL, Delhi Petroleum Pty Ltd, SAGASCO Resources Ltd, Vamgas Limited, Bridge Oil Limited	Varanus Field of the Cooper Basin of South Australia	31.12.2012 31.12.2011	9.71	SR 28/1/141

Description of Area

All that part of the State of South Australia bounded as follows: Commencing at a point being the intersection of latitude 27°43'15"S and longitude 140°01'00"E, thence east to longitude 140°03'00"E, south to latitude 27°45'00"S, west to longitude 140°01'10"E, north to latitude 27°44'40"S, west to longitude 140°01'00"E and north to the point of commencement. All the within latitudes and longitudes are geodetic and expressed in terms of the Australian Geodetic Datum as defined on p. 4984 of *Commonwealth Gazette* No. 84 dated 6 October 1966, except those latitudes and longitudes underlined which are expressed in terms of the Clarke 1858 Spheroid (Transverse Mercator Projection).

PPL 51 and 55

DEPARTMENT OF MINES AND ENERGY

Errata

IN *Government Gazette* of 27 June 1991, page 2030, Grant of Petroleum Production Licence, in Date of Expiry column, for 17 June 2012 read 31 December 2011.

In *Government Gazette* of 18 July 1991, page 353, Grant of Petroleum Production Licence, in Date of Expiry column, for 31 December 2012 read 31 December 2011.

GRANT OF PETROLEUM PRODUCTION LICENCE

Department of Mines and Energy, Parkside, 18 July 1991

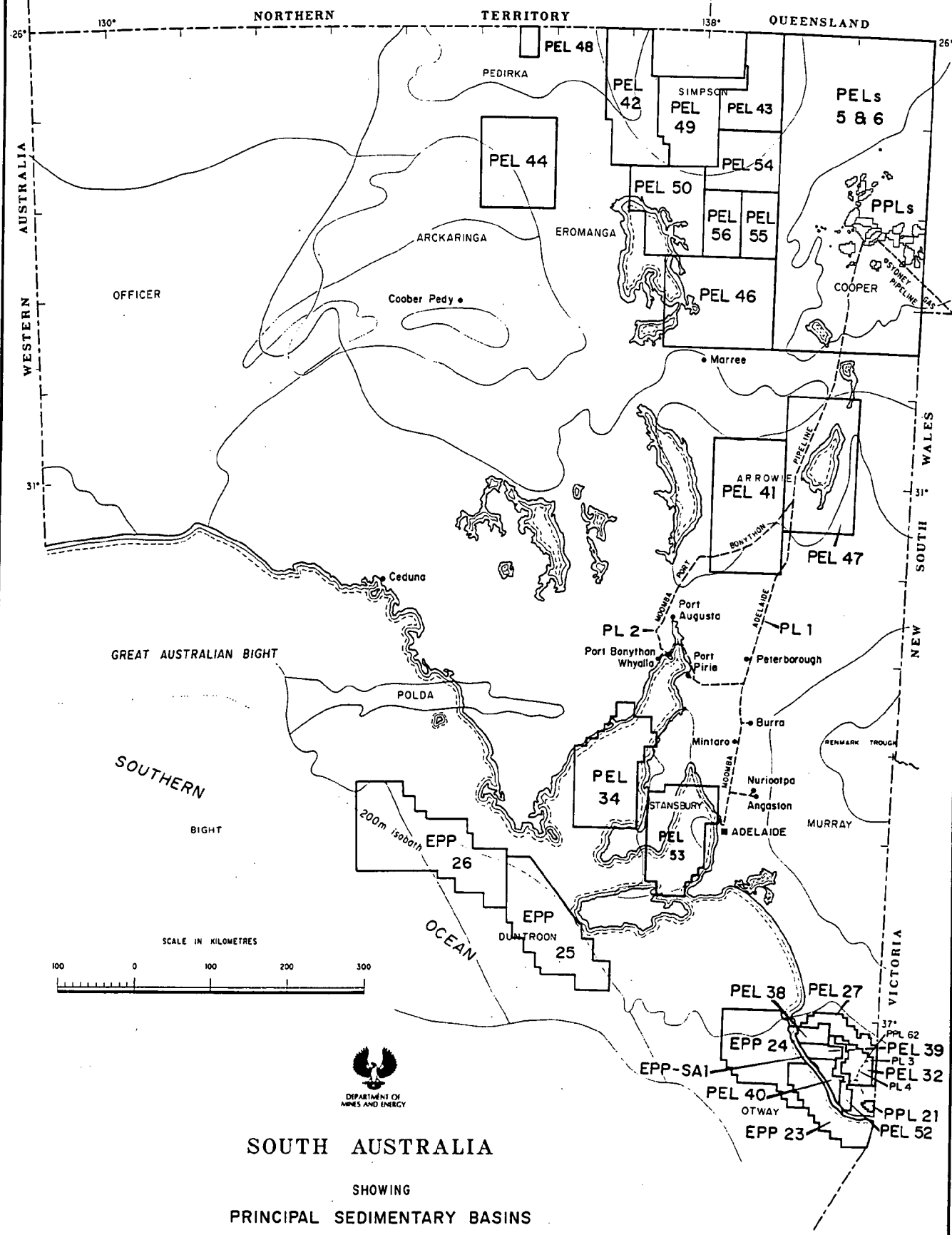
NOTICE is hereby given that the undermentioned petroleum production licence has been granted under the provisions of the Petroleum Act, 1940.

J. KLUNDER, Minister of Mines and Energy

No. of Licence	Licensees	Locality	Date of Expiry	Area in km ²	Reference
65	SANTOS Ltd Delhi Petroleum Pty Ltd Vamgas Ltd SAGASCO Resources Ltd	Kujani Field in the Cooper Basin of South Australia	17.7.2012	6.36	SR 28/1/166

Description of Area

All that part of the State of South Australia bounded as follows: Commencing at a point being the intersection of latitude 28°29'20"S and longitude 139°58'00"E, thence east to longitude 139°59'30"E, south to latitude 28°30'00"S, west to longitude 139°59'20"E, south to latitude 28°30'10"S, west to longitude 139°59'10"E, south to latitude 28°30'40"S, west to longitude 139°58'00"E, north to latitude 28°30'30"S, west to longitude 139°57'50"E, north to latitude 28°30'20"S, west to longitude 139°57'40"E, north to latitude 28°29'30"S, east to longitude 139°58'00"E and north to the point of commencement. All the within latitudes and longitudes are geodetic and expressed in terms of the Australian Geodetic Datum as defined on p. 4984 of *Commonwealth Gazette* Number 84, dated 6 October 1966.



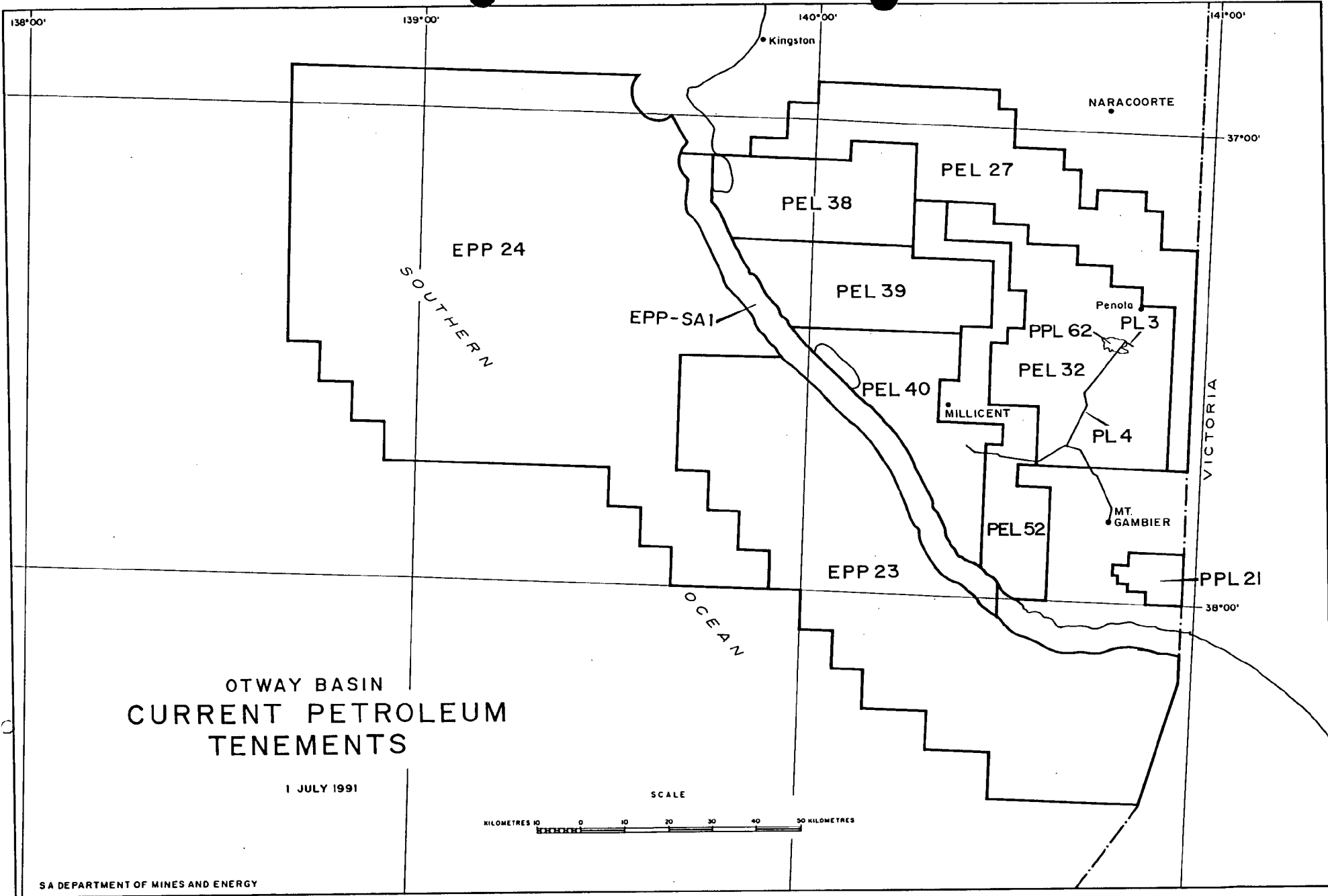
SOUTH AUSTRALIA
 SHOWING
PRINCIPAL SEDIMENTARY BASINS
 AND
CURRENT PETROLEUM TENEMENTS



DEPARTMENT OF
MINES AND ENERGY

1 JULY 1991

DEPARTMENT OF MINES AND ENERGY - SOUTH AUSTRALIA



DEPARTMENT OF MINES AND ENERGY
SOUTH AUSTRALIA

HOLDERS OF PETROLEUM TENEMENTS

(as at 1 July 1991)

<u>ON-SHORE</u>		<u>Expiry</u> <u>Date</u>	<u>Area</u> <u>(km²)</u>
<u>Petroleum Exploration Licences (PELs)</u>			
5	Delhi Petroleum Pty Ltd (100%)	27.2.94	36580
6	SANTOS Limited (100%)	27.2.94	36580
27	Oil Company of Australia NL (45%) Poseidon Oil Pty Ltd (25%) Cluff Resources Pacific Limited (15%) CPC Petroleum Corporation NL (10%) Ampolex (PPL) Pty Ltd (5%)	30.7.94	2546
32	* Ultramar Australia Inc (50%) Muswellbrook Petroleum Limited (20%) Cultus Petroleum (Australia) NL (15%) Minora Resources NL (10%) Gas and Fuel Corporation of Victoria (5%)	18.2.95	1725
34	NERDLIHC Company Inc (100%)	27.6.95	11822
38	Beach Petroleum NL (50%) Barcoo Petroleum NL (30%) Bruce Anderson Oil (20%) Corporation of Australia	3.1.95	993
39	Gas and Fuel Exploration NL (50%) Cultus Petroleum (Australia) NL (30%) Magellan Petroleum Australia Ltd (20%)	9.11.94	927
40	SAGASCO Resources Ltd (100%)	9.11.94	1098
41	Frontier Exploration Ltd (100%)	18.2.95	15829
42	Anzoil NL (95%) Fossil Cliff Oil Pty Ltd (5%)	24.9.95	10638
43	Nobjade Pty Ltd	21.3.96	7453
44	Anzoil NL (95%) Fossil Cliff Oil Pty Ltd (5%)	17.6.95	10941
46	Lennard Oil NL. (25%) Phoenix Oil and Gas NL (25%) CPC Petroleum Corporation NL (20%) Fossil Cliff Oil Pty Ltd (15%) Aquatic Resources Corporation Pty Ltd (15%)	14.11.95	16187
47	Anzoil NL (95%) Fossil Cliff Oil Pty Ltd (5%)	17.6.95	15911
48	Mariebar International (Qld) Pty Ltd (50%) James Fraser Allender (50%)	30.7.95	928
49	Felstea Pty Ltd (100%)	30.6.96	9213
50	Felstea Pty Ltd (100%)	30.6.96	9714
52	Irvin Weitzman (100%)	25.11.95	1143
53	Preview Resources Pty Ltd (50%) Oakman Pty Ltd (50%)	3.12.95	10136
54	Duerden Energy NL (100%)	16.6.96	6538
55	Lennard Oil NL (100%)	21.3.96	4080
56	Steiner Holdings Pty Ltd (100%)	6.6.96	4080
	TOTAL		215062

NB. 1. PELs 45, 51, 57, 58 and 59 currently being processed.
* Interests in the process of being changed.

	<u>Petroleum Production Licences (PPLs)</u>	<u>Expiry Date</u>	<u>Area (km²)</u>	<u>Name of Area</u>
6	*SANTOS Limited (50%) Delhi Petroleum Pty Ltd (40%) Vamgas Limited (10%)	31.12.2005	257.4	Gidgealpa Field
7	" "	31.12.2005	254.2	Moomba North Field
8	" "	31.12.2005	254.0	Moomba West Field
9	" "	31.12.2005	133.0	Moomba South Field
10	" "	31.12.2005	226.4	Daralingie Field
11	" "	31.12.2005	160.1	Big Lake Field
12	*SANTOS Limited (50%) Delhi Petroleum Pty Ltd (30%) SAGASCO Resources Limited (10%) Vamgas Limited (10%)	31.12.2005	157.3	Burke-Dullingari Field
13	" "	31.12.2005	56.07	Brumby Field
14	" "	31.12.2005	233.05	Toolachee Field
15	*SANTOS Limited (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (28%) Vamgas Limited (7%)	31.12.2005	154.3	Della Field
16	" "	31.12.2005	126.9	Big Lake & Namur Fields
17	Alliance Petroleum Australia NL (50%) *SANTOS Limited (25%) Delhi Petroleum Pty Ltd (15%) Vamgas Limited (5%) SAGASCO Resources Limited (5%)	31.12.2005	140.83	Merrimelia Field
18	*SANTOS Limited (25%) Bridge Oil Limited (25%) Delhi Petroleum Pty Ltd (20%) Basin Oil NL (12.5%) Reef Oil NL (12.5%) Vamgas Limited (5%)	31.12.2005	109.4	Fly Lake-Brolga Field
19	" "	31.12.2005	36.5	Moorari Field
20	" "	31.12.2005	129.72	Tirrawarra Field
21	*Liquid Air Australia Limited (100%)	30.04.2000	144.96	Caroline Field
22	*SANTOS Limited (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) SAGASCO Resources Limited (7%) Vamgas Limited (7%)	31.12.2006	213.2	Strzelecki Field
23	*SANTOS Limited (50%) Delhi Petroleum Pty Ltd (30%) SAGASCO Resources Limited (10%) Vamgas Limited (10%)	31.12.2006	79.9	Munkarie Field
24	" "	31.12.2006	161.32	Kidman Field
25	" "	31.12.2006	19.6	Narcoonowie Field
26	ØWestern Mining Corporation Limited (30%) *SANTOS Limited (28.571%) Delhi Petroleum Pty Ltd (17.143%) SAGASCO Resources Limited (10.536%) Vamgas Limited (6.25%) TCPL Resources Ltd (5.0%) Adelaide Petroleum NL (2.5%)	10.06.2007	3.6	Cuttapirrie Field
27	Alliance Petroleum Australia No Liability (50%) *SANTOS Limited (25%) Delhi Petroleum Pty Ltd (15%) SAGASCO Resources Limited (5%) Vamgas Limited (5%)	31.12.2006	23.4	Mudrangie Field
28	SAGASCO Resources Limited (30%) *SANTOS Limited (25%) Vamgas Limited (20%) Delhi Petroleum Pty Ltd (15%) Australian Petroleum Development Pty Ltd (10%)	06.05.2007	15.7	Kanowana Field

	<u>Petroleum Production Licences (PPLs)</u>	<u>Expiry Date</u>	<u>Area (km²)</u>	<u>Name of Area</u>
29	*SANTOS Limited (25%) Bridge Oil Developments Pty Ltd (23.75%) Delhi Petroleum Pty Ltd (15%) Basin Oil NL (12.5%) Reef Oil NL (12.5%) Vamgas Limited (5%) SAGASCO Resources Limited (5%) Bridge Oil Limited (1.25%)	31.12.2008	2.99	Rakoona Field
30	*SANTOS Limited (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) Vamgas Limited (7%) SAGASCO Resources Limited (7%)	31.12.2006	48.6	Limestone Creek- Biala Field
31	*SANTOS Limited (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Limited (14%) SAGASCO Resources Limited (14%)	06.05.2007	5.7	Wancoocha Field
32	" " "	06.05.2007	5.65	Muteroo Field
33	Alliance Petroleum Australia NL (50%) *SANTOS Limited (25%) Delhi Petroleum Pty Ltd (15%) SAGASCO Resources Limited (5%) Vamgas Limited (5%)	31.12.2006	15.4	Bookabourdie Field
34	*SANTOS Limited (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) Vamgas Limited (7%) SAGASCO Resources Limited (7%)	31.12.2006	9.46	McKinlay Field
35	Alliance Petroleum Australia NL (50%) *SANTOS Limited (25%) Delhi Petroleum Pty Ltd (15%) Vamgas Ltd 5% SAGASCO Resources Limited (5%)	31.12.2006	21.3	Meranji Field
36	*SANTOS Limited (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) Vamgas Limited (7%) SAGASCO Resources Limited (7%)	31.12.2006	46.93	Ulandi/Alwyn/Jena Field
37	*SANTOS Limited (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Limited (14%) SAGASCO Resources Limited (14%)	06.10.2007	7.64	Spencer Field
38	" " "	06.10.2007	10.21	Dirkala Field
39	*SANTOS Limited (35%) Crusader Resources NL (30%) Delhi Petroleum Pty Ltd (21%) Vamgas Limited (7%) SAGASCO Resources Limited (7%)	31.12.2006	1.50	Nungeroo Field
40	*SANTOS Limited (50%) Delhi Petroleum Pty Ltd (30%) Vamgas Limited (10%) SAGASCO Resources Limited (10%)	31.12.2007	10.59	Lepena Field
42	Alliance Petroleum Australia NL (50%) *SANTOS Limited (25%) Delhi Petroleum Pty Ltd (15%) SAGASCO Resources Limited (5%) Vamgas Limited (5%)	31.12.2008	7.26	Bookabourdie (Extension) Field
43	" " "	31.12.2008	3.29	Taylor South Field
44	" " "	31.12.2008	5.23	Bimbaya Field

	<u>Petroleum Production Licences (PPLs)</u>	<u>Expiry Date</u>	<u>Area (km²)</u>	<u>Name of Area</u>
45	*SANTOS Limited (42%) Delhi Petroleum Pty Ltd (30%) Australian Petroleum Development Pty Ltd (10%) SAGASCO Resources Limited (10%) Vamgas Limited (8%)	29.03.2010	1.30	Taloola
46	" "	20.12.2009	1.99	Tantanna Field
47	" "	20.12.2009	3.50	Sturt and Sturt East
48	SAGASCO Resources Limited (30%) *SANTOS Ltd (25%) Vamgas Ltd (20%) Delhi Petroleum Pty Ltd (15%) Australian Petroleum Development Pty Ltd (10%)	31.12.2010	2.12	Kurunda Field
49	" " "	31.12.2010	8.09	Leleptian Field
50	*SANTOS Ltd (25%) Bridge Oil Developments Pty Ltd (23.75%) Delhi Petroleum Pty Ltd (15%) Reef Oil NL (12.5%) Basin Oil NL (12.5%) SAGASCO Resources Ltd (5%) Vamgas Ltd (5%) Bridge Oil Ltd (1.25%)	31.12.2009	17.26	Andree Field
51	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Vamgas Ltd (10%) Sagasco Resources Ltd (10%)	17.06.2012	6.88	Kirralee
52	Alliance Petroleum Aust NL (50%) *SANTOS Ltd (25%) Delhi Petroleum Pty Ltd (15%) SAGASCO Resources Ltd (5%) Vamgas Ltd (5%)	31.12.2009	1.59	Gooranie South Field
53	*SANTOS Ltd (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Ltd (14%) SAGASCO Resources Ltd (14%)	04.12.2010	1.78	Spencer West Field
54	*SANTOS Limited (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Limited (14%) SAGASCO Resources Ltd (14%)	15.06.2010	0.10	Pintari North Field
57	*SANTOS Limited (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Limited (14%) SAGASCO Resources Ltd (14%)	16.07.2011	10.47	Thurakinna Field
58	*Santos Ltd (50%) Delhi Petroleum Pty Ltd (30%) Vamgas Ltd (10%) Sagasco Resources Ltd (10%)	31.12.2010	14.88	Mettika Field
59	*SANTOS Limited (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Limited (14%) SAGASCO Resources Ltd (14%)	16.07.2011	10.47	Garanjanie Field
61	*SANTOS Limited (45%) Delhi Petroleum Pty Ltd (27%) Vamgas Limited (14%) SAGASCO Resources Ltd (14%)	17.10.2011	11.86	Arrakis-Murta Field
62	*ØUltramar Australa Inc (50%) Muswellbrook Petroleum Ltd (20%) Cultus Petroleum (Australia) NL (15%) Minora Resources NL (10%) Gas and Fuel Corporation of Victoria (5%)	26.11.2011	13.98	Katnook and Ladbroke Grove gas Fields

63	*Santos Ltd (42%) Delhi Petroleum Pty Ltd (30%) Vamgas Ltd (8%) Sagasco Resources Ltd (10%) Australian Petroleum Development Pty Ltd (10%)	23.05.2012	1.28	Malgoona (East) Field
64	" " " "	23.05.2012	1.92	Malgoona (West) Field
TOTAL			<u>3376.22</u>	

- NB 1. PPL 55 - An application is being processed over the Varanus Field.
 2. PPL 65 - An application is being processed over the Kujani Field.
 3. PPL 67 - An application is being processed over the Keena Field.
 4. PPL 68 - An application is being processed over the Cooba Field.

*Operator.

ØInterests in the process of being changed.

<u>Pipelines Licences (PLs)</u>		<u>Expiry Date</u>	<u>Length (kms)</u>
1	Pipelines Authority of South Australia (100%)	31.03.2011	1065.056
2	SANTOS Limited (37.7294%) Delhi Petroleum Pty Ltd (17.0342%) SAGASCO Resources Limited (13.1493%) Bridge Oil Development Pty Limited (8.8143%) Vamgas Limited, (7.5459%) Reef Oil NL (4.6391%) Basin Oil NL (4.6391%) Crusader Resources NL (3.9303%) Alliance Petroleum Australia NL (1.5509%) SANTOS Petroleum Pty Ltd (0.5036%) Bridge Oil Limited (0.4639%)	25.11.2002	659 (approx.)
3	Pipelines Authority of South Australia (100%)	26.3.2011	4.2 approx
4	Pipelines Authority of South Australia (100%)	30.9.2011	67.0
TOTAL			<u>1 795.256</u>

OFF-SHORE

<u>Exploration Permits for Petroleum (EPPs)</u>		<u>Expiry Date</u>	<u>No. of Graticular Blocks</u>
23	*BHP Petroleum (Victoria) Pty Ltd (65%) Cultus Petroleum (Australia) NL (27.12%) Hershey Oil Corporation (3.5%) Fay Richwhite Australia Limited (2.63%) Drakar Holdings Pty Ltd (1.75%)	06.12.1993	80
24	*BHP Petroleum (Victoria) Pty Ltd (60%) Cultus Petroleum (Australia) NL (18.95%) SAGASCO Resources Ltd (18.00%) Drakar Holdings Pty Ltd (3.05%)	24.01.1995	134
25	BHP Petroleum (Australia) Pty Ltd	12.03.1997	176
26	BHP Petroleum (Australia) Pty Ltd	12.03.1997	242
EPP	(Pursuant to the SA Petroleum (Submerged Lands) Act		
SA1	* BHP Petroleum (Victoria) Pty Ltd 70% Cultus Petroleum (Australia) NL 30%	14.11.96	27
TOTAL			<u>659</u>

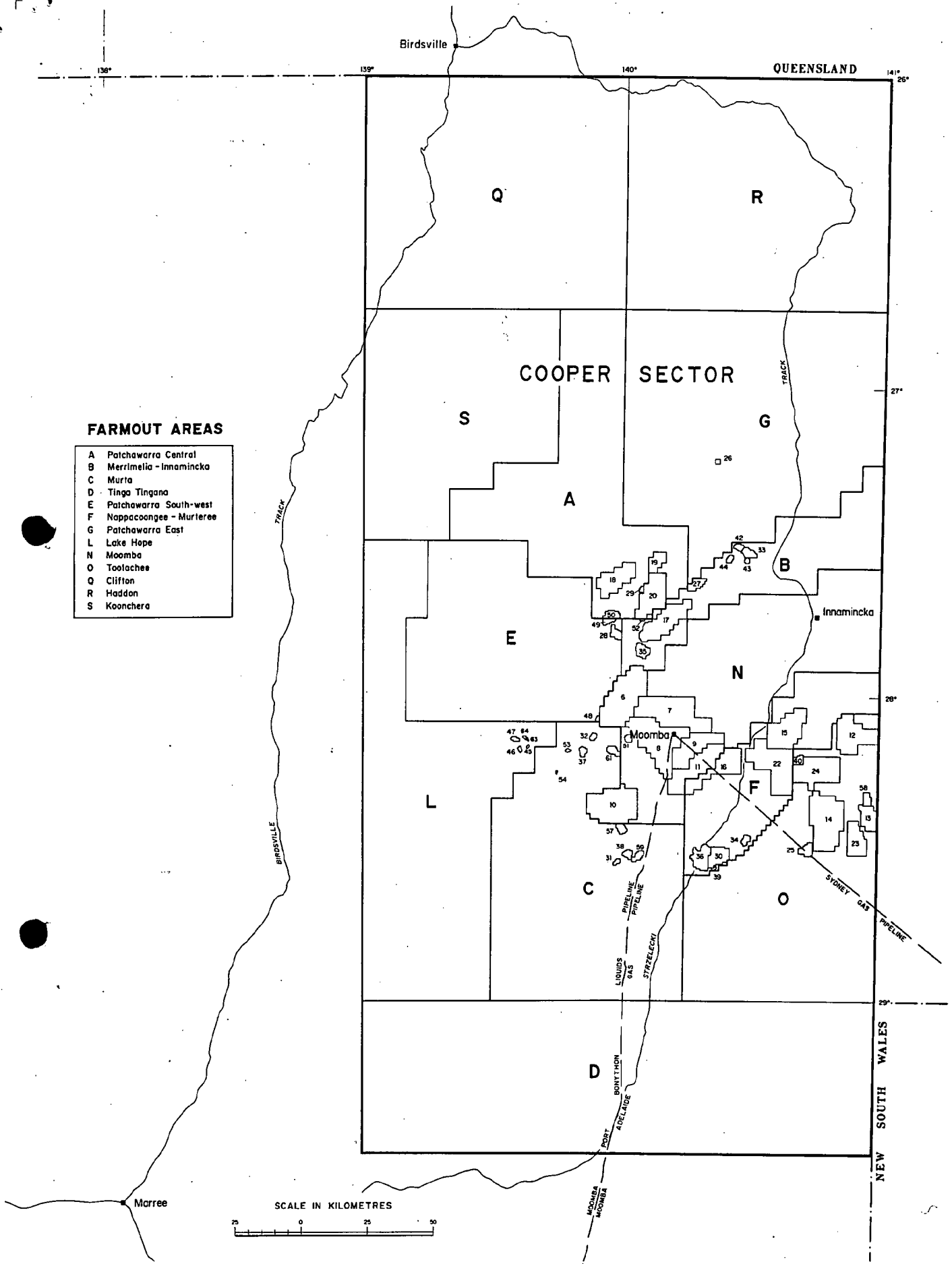
* Operator.

Interests in PELs 5 and 6 Farmout Areas

<u>Patchawarra Central</u>	- SANTOS Limited	25.00
	- Bridge Oil Developments Pty Ltd	23.75
	- Delhi Petroleum Pty Ltd	15.00
	- Basin Oil NL	12.50
	- Reef Oil NL	12.50
	- Vamgas Limited	5.00
	- SAGASCO Resources Limited	5.00
	- Bridge Oil Limited	1.25
		<u>100.00</u>
<u>Merrimelia-Innamincka</u>	- Alliance Petroleum Australia No Liability	50.0
	- SANTOS Limited	25.0
	- Delhi Petroleum Pty Ltd	15.0
	- Vamgas Limited	5.0
	- SAGASCO Resources Limited	5.0
		<u>100.0</u>
<u>Murta</u>	- SANTOS Limited	45.0
	- Delhi Petroleum Pty Ltd	27.0
	- Vamgas Limited	14.0
	- SAGASCO Resources Limited	14.0
		<u>100.0</u>
<u>Tinga-Tingana</u>	- SANTOS Limited	45.0
	- Delhi Petroleum Pty Ltd	27.0
	- Vamgas Limited	14.0
	- SAGASCO Resources Limited	14.0
		<u>100.0</u>
<u>Patchawarra South-West</u>	- SAGASCO Resources Limited	30.0
	- SANTOS Limited	25.0
	- Vamgas Limited	20.0
	- Delhi Petroleum Pty Ltd	15.0
	- Australian Petroleum Development Pty Ltd	10.0
		<u>100.0</u>
<u>Nappacoongee-Murteree</u>	- SANTOS Limited	35.0
	- Crusader Resources NL	30.0
	- Delhi Petroleum Pty Ltd	21.0
	- Vamgas Limited	7.0
	- SAGASCO Resources Limited	7.0
		<u>100.0</u>
<u>*Patchawarra East</u>	- Western Mining Corporation Limited	30.000
	- SANTOS Limited	28.571
	- Delhi Petroleum Pty Ltd	17.143
	- SAGASCO Resources Limited	10.536
	- Vamgas Limited	6.250
	- TCPL Resources Ltd	5.000
	- Adelaide Petroleum NL	2.500
		<u>100.000</u>
<u>Lake Hope</u>	- SANTOS Limited	42.0
	- Delhi Petroleum Pty Ltd	30.0
	- SAGASCO Resources Limited	10.0
	- Australian Petroleum Development Pty Ltd	10.0
	- Vamgas Limited	8.0
		<u>100.0</u>
<u>Moomba</u>	- SANTOS Limited	50.0
	- Delhi Petroleum Pty Ltd	30.0
	- Vamgas Limited	10.0
	- SAGASCO Resources Limited	10.0
		<u>100.0</u>

<u>Toolachee</u>	- SANTOS Limited	50.0
	- Delhi Petroleum Pty Ltd	30.0
	- Vamgas Ltd	10.0
	- SAGASCO Resources Limited	10.0
		<u>100.0</u>
<u>Birdsville Track Ridge 'A'</u> (Haddon)	- SANTOS Limited	43.75
	- Delhi Petroleum Pty Ltd	30.00
	- Vamgas Limited	8.75
	- SAGASCO Resources Limited	8.75
	- Peko Oil Limited	8.75
		<u>100.00</u>
<u>Birdsville Track Ridge 'B'</u> (Clifton)	- SANTOS Limited	50.0
	- Delhi Petroleum Pty Ltd	30.0
	- Vamgas Limited	10.0
	- SAGASCO Resources Limited	10.0
		<u>100.0</u>
<u>Birdsville Track Ridge 'C'</u> (Kooncherra)	- SANTOS Limited	43.75
	- Delhi Petroleum Pty Ltd	30.00
	- Vamgas Limited	10.00
	- SAGASCO Resources Limited	10.00
	- CNW Exploration Pty Limited	6.25
		<u>100.00</u>

* In the process of interests changing.



PELs 5 & 6

PETROLEUM PRODUCTION LICENCES
FARMOUT AREAS
SECTORS

1 JULY 1991