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Earth Resources Information Sheet

P1

HOLDERS OF PETROLEUM TENEMENTS

Current as at 1 January 1999

EXPLORATION TENEMENTS

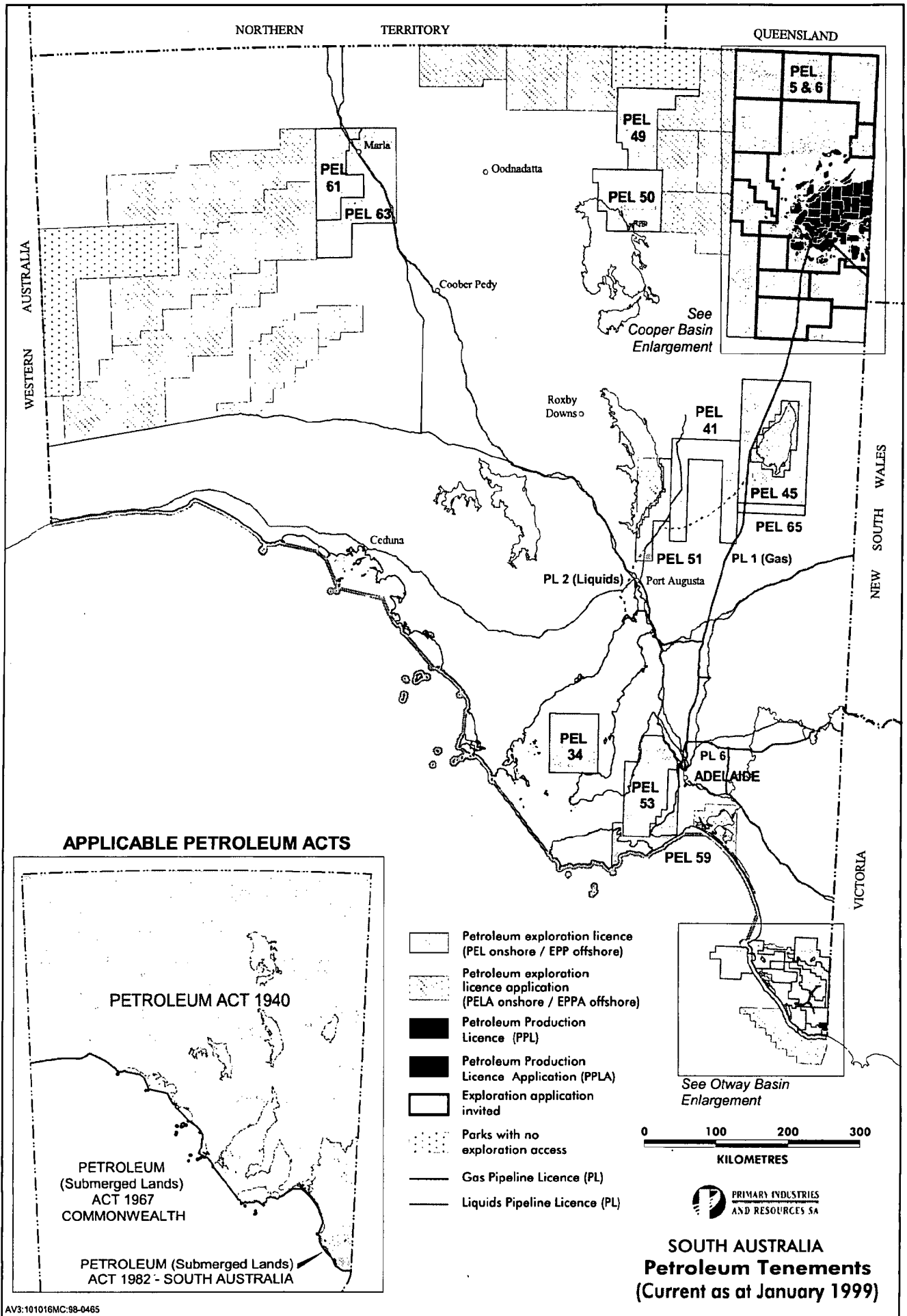
ONSHORE: PETROLEUM EXPLORATION LICENCE (PEL)

		Interest %	Expiry date	Area (km ²)	Minimum area to be relinquished upon renewal (km ²)
5	Delhi Petroleum Pty Ltd	100	27/2/99	34 331.81	Final Renewal
6	Santos Ltd	100	27/2/99	34 331.81	Final Renewal
27	Oil Company of Australia Ltd	66.667	30/7/99	1080	848
	Basin Oil NL	27.778			
	Cultus Petroleum (Australia) NL	5.555			
32	Sagasco Southeast Inc.	35.7143	18/2/2000	1 116.23	576.25
	Omega Oil NL	24.2857			
	Boral Energy Resources Ltd	20			
	Basin Oil NL	15			
	Cultus Petroleum (Australia) NL	5			
34	Nerdlihc Co. Inc.	100	27/6/2000	5 597	Final Renewal
39	Basin Oil NL	91.25	9/11/99	672	231.75
	Cultus Petroleum (Australia) NL	8.75			
41	Frontier Exploration Ltd	100	18/2/2000	7 911	3 957.25
45	Beach Petroleum NL	30	28/8/99	11 785	2 946.25
	Claremont Petroleum NL	30			
	Oakman Pty Ltd	20			
	J.F. Allender	20			
*49	Felstea Pty Ltd	100	30/6/96	6 873	2 303.25
*50	Felstea Pty Ltd	100	30/6/96	7 285	2 428.50
51	Beach Petroleum NL	30	28/8/99	2 667	666.75
	Claremont Petroleum NL	30			
	Oakman Pty Ltd	20			
	J.F. Allender	20			
*53	Wagner (Australia) Ltd	35	3/12/95	7 198	2 534
	Brown (Australia) Ltd	35			
	Forcenergy International Inc.	25			
	BET Australia, LLC	5			
57	Lakes Oil NL	70	17/11/2001	772	262
	Victoria Petroleum NL	10			
	Cultus Petroleum (Australia) NL	10			
	Mirboo Ridge Pty Ltd	10			
*59	Wagner (Australia) Ltd	35	30/3/98	4 129	1 032.25
	Brown (Australia) Ltd	35			
	Forcenergy International Inc.	25			
	BET Australia, LLC	5			
60	Oil Company of Australia Ltd	62.5	10/8/99	1 069	267.25
	Cultus Petroleum (Australia) NL	25			
	Todd Petroleum Australia Ltd	12.5			

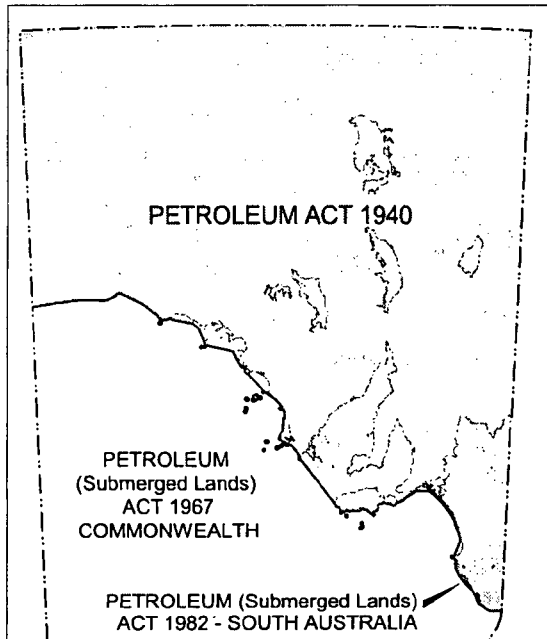










		Interest %	Expiry date	Area (km²)	Minimum area to be relinquished upon renewal (km²)
61	Hemley Exploration Pty Ltd	100	22/5/2001	6 258	1 564.5
62	Lakes Oil NL	50	2/11/2000	1 407	505.75
	Sun Resources NL	50			
63	Hemley Exploration Pty Ltd	100	22/5/2001	10 930	2 732.5
65	Matthew Reilly	100	26/10/2000	1 227	306.75
66	Boral Energy Resources Ltd	100	17/6/2001	1 234	308.5
72	Boral Energy Resources Ltd	100	25/3/2002	686	171.5
74	Strike Oil NL	100	14/10/2002	213	53.25
75	Strike Oil NL	100	22/12/2002	937	234.25
76	Richfield Resources Pty Ltd	50	22/12/2002	276	69
	Lamina Ltd	50			
Total				150 601.85	

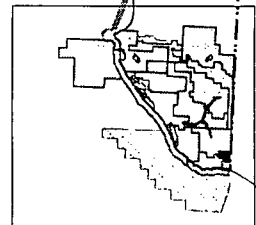
**Application for renewal pending*



APPLICABLE PETROLEUM ACTS



-  Petroleum exploration licence (PEL onshore / EPP offshore)
-  Petroleum exploration licence application (PELA onshore / EPPA offshore)
-  Petroleum Production Licence (PPL)
-  Petroleum Production Licence Application (PPLA)
-  Exploration application invited
-  Parks with no exploration access
-  Gas Pipeline Licence (PL)
-  Liquids Pipeline Licence (PL)

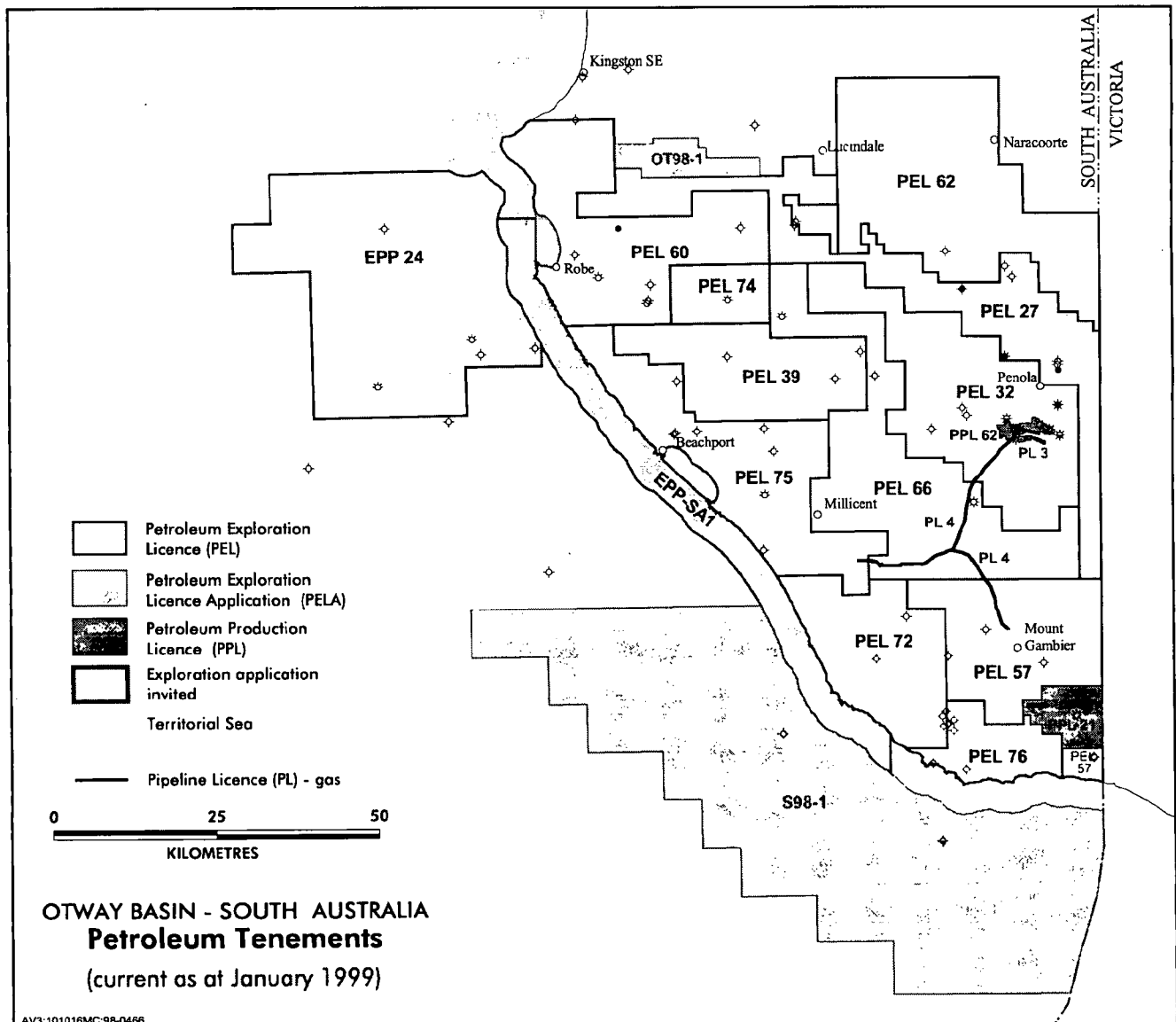


SOUTH AUSTRALIA
Petroleum Tenements
 (Current as at January 1999)

OFFSHORE: EXPLORATION PERMITS FOR PETROLEUM (EPP)

		Interest %	Expiry date	Number of graticular blocks
24	*Boral Energy Resources Ltd	51.43	29/07/2001	31
	Cultus Petroleum NL	17.57		
	Otway Resources Pty Ltd	8.33		
	Pan Pacific Petroleum NL	5		
	Basin Oil NL	5		
	Victoria Diamond Exploration Pty Ltd	6.67		
	Durum (Australia) Pty Ltd	6		
<i>EPP(Pursuant to the SA Petroleum (Submerged Lands) Act 1982)</i>				
SA-1	*Cultus Petroleum (Australia) NL	55	14/11/2000	27
	Oil Company of Australia Ltd	20		
	Cultus Timor Sea Ltd	15		
	Basin Oil NL	10		
Total				58

*Operator



PRODUCTION TENEMENTS

ONSHORE: PETROLEUM PRODUCTION LICENCE (PPL)

		Interest %	Expiry date	Area (km ²)	Name of area
6	*Santos Ltd	40.70	31/12/2005	257.4	Gidgealpa Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
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	"	"	31/12/2005	157.3	Burke-Dullingari Fields
13	"	"	31/12/2005	56.07	Brumby Field
14	"	"	31/12/2005	233.05	Toolachee Field
15	"	"	31/12/2005	154.3	Della Field
16	"	"	31/12/2005	126.9	Big Lake and Namur Fields
17	"	"	31/12/2005	140.83	Merrimelia Field
18	"	"	31/12/2005	109.4	Fly Lake-Brolga Fields
19	"	"	31/12/2005	36.5	Moorari Field
20	"	"	31/12/2005	129.72	Tirrawarra Field
21	*Air Liquide Australia Ltd	100	30/04/2000	144.96	Caroline Field
22	*Santos Ltd	40.70	31/12/2006	233.82	Strzelecki Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
23	"	"	31/12/2006	79.9	Munkarie Field
24	"	"	31/12/2006	167.69	Kidman Field
25	"	"	31/12/2006	19.6	Narcoonowie Field
26	Vamgas Pty Ltd	43.75	10/6/2007	3.6	Cuttapirrie Field
	*Santos Ltd	25.6022			
	Delhi Petroleum Pty Ltd	17.143			
	Boral Energy Resources Ltd	10.536			
	Gulf (Aust) Resources NL	2.9688			
27	*Santos Ltd	40.70	31/12/2006	23.4	Mudrangie Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			

		Interest %	Expiry date	Area (km ²)	Name of area
28	"	"	6/5/2007	15.7	Kanowana Field
29	"	"	31/12/2008	2.99	Rakoona Field
30	"	"	31/12/2006	48.6	Limestone Creek- Biala Fields
31	"	"	6/5/2007	5.7	Wancoocha Field
32	"	"	6/5/2007	5.65	Muteroo Field
33	"	"	31/12/2006	15.4	Bookabourdie Field
34	"	"	31/12/2006	9.46	McKinlay Field
35	"	"	31/12/2006	21.3	Meranji Field
36	"	"	31/12/2006	46.93	Ulandi/Alwyn/Jena Fields
37	"	"	6/10/2007	7.64	Spencer Field
38	"	"	6/10/2007	10.21	Dirkala Field
39	"	"	31/12/2006	1.50	Nungeroo Field
40	"	"	31/12/2007	10.59	Lepena Field
41	"	"	31/12/2011	20.34	Mundi/Kapinka Fields
42	"	"	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	"	"	29/03/2010	1.30	Taloola Field
46	"	"	20/12/2009	1.99	Tantanna Field
47	"	"	20/12/2009	3.50	Sturt and Sturt East Fields
48	"	"	31/12/2010	2.12	Kurunda Field
49	"	"	31/12/2010	8.09	Leleptian Field
50	"	"	31/12/2009	17.26	Andree Field
51	"	"	31/12/2011	6.88	Kirralee Field
52	"	"	31/12/2009	1.59	Gooranie South Field
53	"	"	4/12/2010	1.78	Spencer West Field
54	"	"	15/6/2010	0.10	Pintari North Field
55	"	"	31/12/2011	9.71	Varanus Field
56	"	"	31/12/2013	3.74	Varanus South Field
57	"	"	16/7/2011	10.47	Thurakinna Field
58	Santos Ltd	40.70	31/12/2010	14.88	Mettika Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
59	"		16/7/2011	10.46	Garanjanie Field
60	"		25/5/2014	6.54	Wirrarie North Field
61	"		17/10/2011	11.86	Arrakis-Murta Fields
62	Sagasco Southeast Inc.	35.7143	26/11/2011	28.75	Katnook, Ladbroke and Haselgrove Gas Fields
	Omega Oil NL	24.2857			
	*Boral Energy Resources Ltd	20			
	Cultus Petroleum (Australia) NL	15			
	Basin Oil NL	5			

		Interest %	Expiry date	Area (km ²)	Name of area
63	*Santos Ltd	40.70	23/5/2012	1.28	Malgoona (E) Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
64	"		23/5/2012	1.92	Malgoona (W) Field
65	"		17/7/2012	6.36	Kujani Field
66	"		24/11/2012	10.60	Jack Lake Field
67	"		17/7/2012	10.91	Kecna Field
68	"		31/12/2011	14.09	Cooba Field
69	"		31/12/2011	11.64	Tarwonga Field
70	"		25/5/2014	5.70	Farina Field
71	"		31/12/2013	15.68	Kerna Field
72	"		31/12/2013	17.45	Dilchee/Pira Fields
73	"		31/12/2015	1.05	Mudlalee Field
74	"		31/12/2015	4.66	Allambi Field
75	"		26/10/2016	6.46	Caladan Field
76	Vamgas Pty Ltd	43.75	26/10/2016	3.39	Telopea Field
	*Santos Ltd	25.6022			
	Delhi Petroleum Pty Ltd	17.1430			
	Boral Energy Resources Ltd	10.5360			
	Gulf (Aust) Resources NL	2.9688			
77	"	"	26/10/2016	9.66	Keleary Field
78	*Santos Ltd	40.70	31/12/2016	5.55	Baratta Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
79	"		31/12/2016	2.35	Gahnia Field
80	"		31/12/2016	3.36	Correa Field
81	"		31/10/2017	4.39	Caladan Northeast Field
82	"		31/12/2016	5.72	Waukatanna Field
83	"		31/12/2016	3.2	Pogona Field
84	"	"	6/6/2018	28.30	Barina Field
85	"	"	31/12/2017	3.41	Alisma Field
86	"	"	31/12/2017	2.34	Carmina Field
87	"	"	31/12/2017	5.35	Boobook Field
88	"	"	31/12/2017	2.49	Lycosa Field
89	"	"	31/12/2017	6.14	Bobs Well Field
90	"	"	31/12/2017	60.81	Packsaddle/ Pondrinnie Field
91	"	"	31/12/2017	9.44	Cowralli Field
92	"	"	31/12/2017	1.77	Plantago Field
93	"	"	31/12/2017	7.4	Wilpinnie Field
94	"	"	08/01/2019	6.84	Atreides Field

		Interest %	Expiry date	Area (km ²)	Name of area
95	"	"	21/05/2019	12.01	Nephrite Field
96	"	"	31/12/2017	2.65	Beckler Field
97	"	"	31/12/2017	2.48	Beckler South Field
98	"	"	31/12/2017	7.28	Merupa Field
99	"	"	31/12/2017	6.84	Merindal Field
100	"	"	31/12/2017	5.21	Nappacoongee Field
101-117	"	"	2/11/2018	4 141.3	Nappamerri Trough
118	"	"	26/05/2019	0.36	Kudrieke North Field
119	"	"	31/12/2017	7.14	Kudrieke Field
120	"	"	31/12/2017	3.95	Lake MacMillan Field
121	"	"	26/05/2019	5.08	Tarragon Field
122	Santos Ltd	25.6022	23/09/2019	6.29	Tallerangie Field
	Delhi Petroleum Pty Ltd	17.1430			
	Boral Energy Resources Ltd	10.5360			
	Vamgas Pty Ltd	43.75			
	Gulf (Aust) Resources NL	2.9688			
123	"	"	23/09/2019	5.38	Pennie Field
Total				7 966.63	

***Operator**

INTERESTS IN PEL 5 AND 6 FARMOUT AREAS

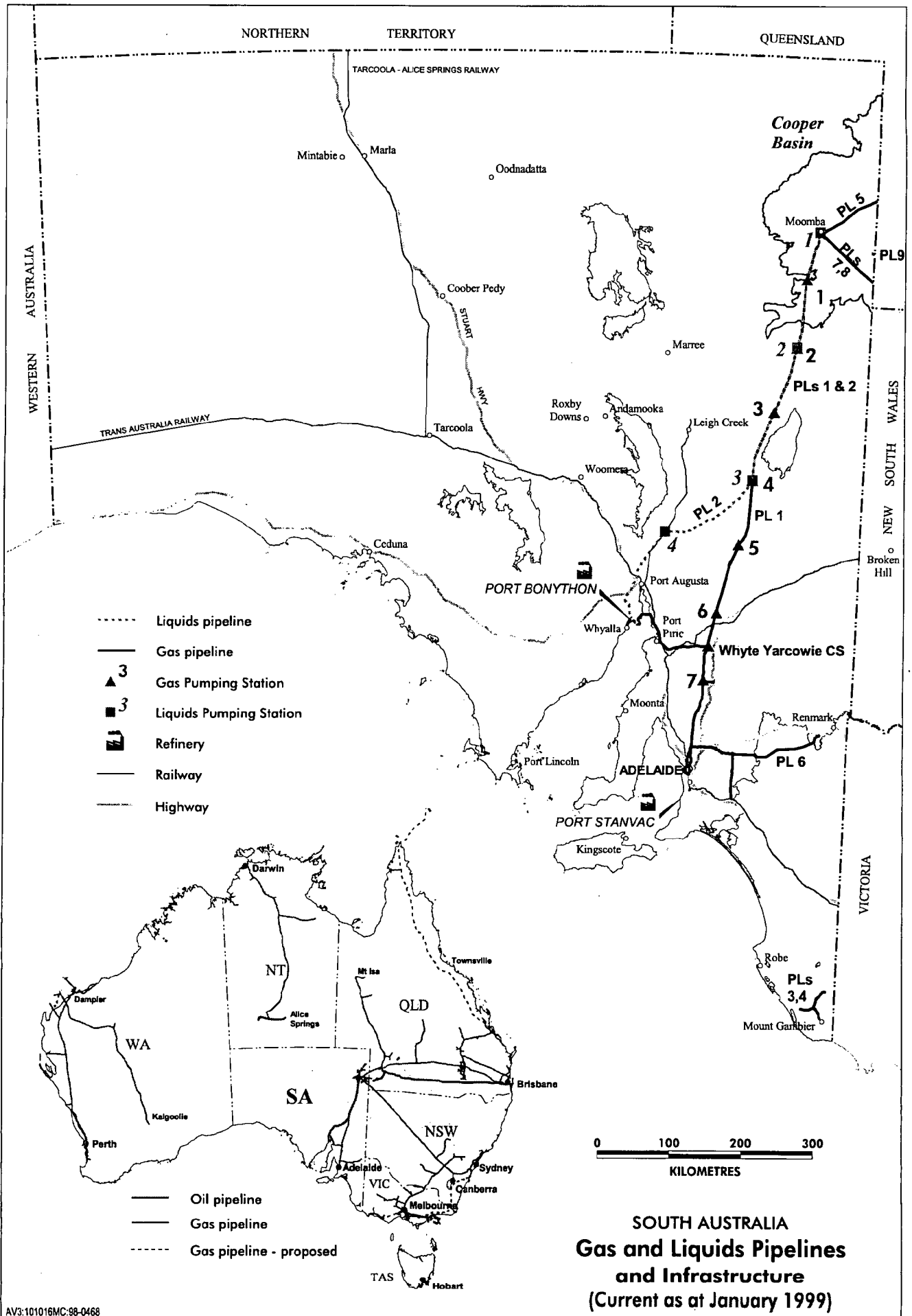
		%
Patchawarra Central	*Santos Ltd	40.70
	Vamgas Pty Ltd	8.51
	Alliance Petroleum Australia Pty Ltd	3.97
	Reef Oil Pty Ltd	1.97
	Santos Petroleum Pty Ltd	0.40
	Bridge Oil Developments Pty Ltd	3.99
	Santos (BOL) Pty Ltd	0.21
	Boral Energy Resources Ltd	13.19
	Delhi Petroleum Pty Ltd	20.21
	Basin Oil NL	2.10
	Gulf (Aust) Resources NL	4.75
Merrimelia-Innamincka	"	"
Murta	"	"
Tinga-Tingana	"	"
Patchawarra South-West	"	"
Nappacoongee-Murteree	"	"
Lake Hope	"	"
Moomba	"	"
Toolachee	"	"
Birdsville Track Ridge 'A' (Haddon)	"	"
Birdsville Track Ridge 'B' (Clifton)	"	"
Birdsville Track Ridge 'C' (Kooncherra)	"	"
Patchawarra East	Vamgas Pty Ltd	43.75
	*Santos Ltd	25.6022
	Delhi Petroleum Pty Ltd	17.143
	Boral Energy Resources Ltd	10.536
	Gulf (Aust) Resources NL	2.9688

***Operator**

PIPELINE LICENCE (PL)

		Interest %	Commissioning date	Expiry date	Length (km)	Diameter (mm)	Maximum allowable operating pressure (kPa)
1	Epic Energy SA Pty Ltd	100	Nov 69	29/06/2016	1 067.31	559	7 322
2	Santos Ltd	37.7294	Jan 83	25/11/2002	659	355.6	10 340
	Delhi Petroleum Pty Ltd	17.0342					
	Boral Energy Resources Ltd	13.1493					
	Bridge Oil Development Pty Ltd	8.8143					
	Vamgas Pty Ltd	7.5459					
	Reef Oil Pty Ltd	4.6391					
	Basin Oil NL	4.6391					
	Gulf (Aust.) Resources NL	3.9303					
	Alliance Petroleum Aust. Pty Ltd	1.5509					
	Santos Petroleum Pty Ltd	0.5036					
	Santos (BOL) Pty Ltd	0.4639					
3	Epic Energy SA Pty Ltd	100	Mar 91	29/06/2016	4.5	60.3	10 000
4	Epic Energy SA Pty Ltd	100	Feb 91	29/06/2016	67	168	10 000
5	Santos Ltd	32.6300	Oct 93	21/04/2013	92	400	14 500
	Delhi Petroleum Pty Ltd	23.2000					
	Santos Petroleum Pty Ltd	18.7200					
	Boral Energy Resources Ltd	16.5000					
	Vamgas Pty Ltd	7.5125					
	Gulf Australian Hydrocarbons Ltd	1.2000					
	Oil Company of Australia NL	0.2375					
6	Ayers Net Ltd	100	Oct 94	26/01/2015	231	114	10 000
7	East-Aust Pipeline Ltd	100	1976	29/06/2015	111	864	6 200
8	Gorodok Pty Ltd	100	July 96	09/07/2017	101	219	15 300
9	Santos Ltd	32.63	April 96	16/2/2018	3.483	323.9	11 400
	Delhi Petroleum Pty Ltd	23.2					
	Santos Petroleum Pty Ltd	18.72					
	Boral Energy Resources Ltd	16.5					
	Vamgas Pty Ltd	7.5125					
	Gulf Australian Hydrocarbons Ltd	1.2					
	Oil Company of Australia Ltd	0.2375					
10	Boral Energy Pipelines Pty Ltd	100	TBA	29/10/2019	0.087	250	7 290
					Total length	2 336.38 km	

Pipeline Licence number	Pipeline name	Pipeline type	Pipeline operator	Pipeline owner
1	Moomba-Adelaide	Natural gas	EPIC Energy	EPIC Energy
2	Moomba-Port Bonython	Hydrocarbon liquids	EPIC Energy	Santos Ltd
3	Katnook-SAFRIES	Natural gas	EPIC Energy	EPIC Energy
4	Katnook-Mt Gambier/Snuggery	Natural gas	EPIC Energy	EPIC Energy
5	Queensland-Moomba	Natural gas/liquids	Santos Ltd	Santos Ltd
6	Riverland	Natural gas	EPIC Energy	Ayers Net Ltd
7	Moomba-Sydney	Natural gas	East Aust Pipeline	East Aust Pipeline
8	Moomba-Sydney	Ethane	ICI Aust Engineering P/L	Gorodok Pty Ltd (ICI Aust.)
9	SWQ-Mettika	Natural gas/liquids	Santos Ltd	SWQ JV
10	Moomba Interconnection	Natural gas	Epic Energy	Boral Energy Pipelines



AV3:101016MC:98-0468

PRIMARY INDUSTRIES and RESOURCES SOUTH AUSTRALIA
Petroleum

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www.pir.sa.gov.au



**Government
of South Australia**

Earth Resources Information Sheet

P1

HOLDERS OF PETROLEUM TENEMENTS

Current as at October 1998

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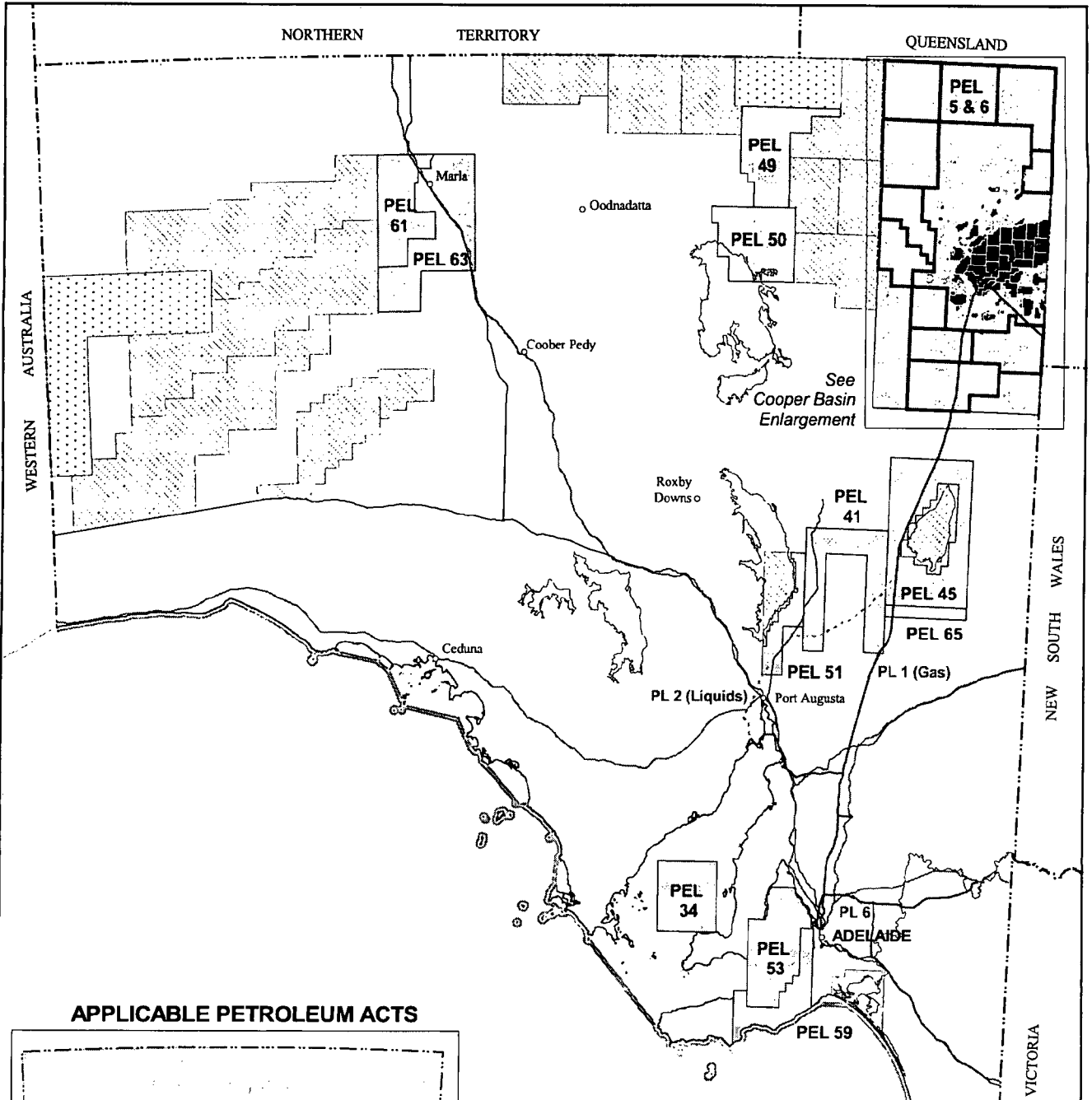
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	Forcenergy International Inc.	25			
	BET Australia, LLC	5			
60	Oil Company of Australia Ltd	62.5	10/8/99	1 069	267.25
	Cultus Petroleum (Australia) NL	25			
	Todd Petroleum Australia Ltd	12.5			

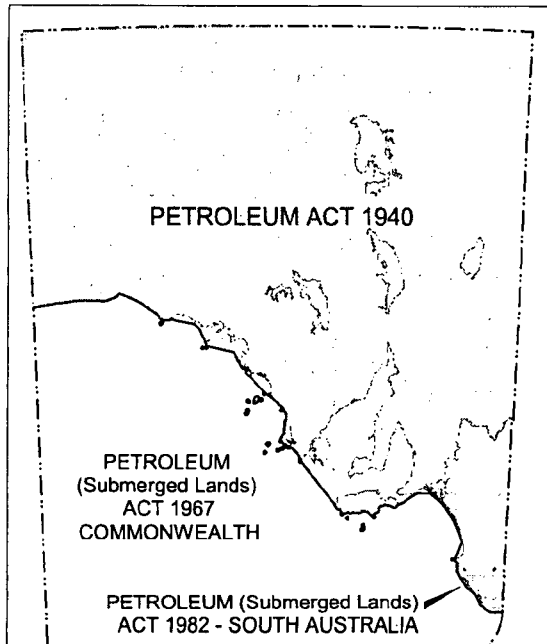










		Interest %	Expiry date	Area (km²)	Minimum area to be relinquished upon renewal (km²)
61	Hemley Exploration Pty Ltd	100	22/5/2001	6 258	1 564.5
62	Lakes Oil NL	50	2/11/2000	2 023	505.75
	Sun Resources NL	50			
63	Hemley Exploration Pty Ltd	100	22/5/2001	10 930	2 732.5
65	Matthew Reilly	100	26/10/2000	1 227	306.75
66	Boral Energy Resources Ltd	100	17/6/2001	1 234	308.5
72	Boral Energy Resources Ltd	100	25/3/2002	686	171.5
74	Strike Oil NL	100	14/10/2002	213	53.25
75	Strike Oil NL	100	22/12/2002	937	234.25
76	Richfield Resources Pty Ltd	50	22/12/2002	276	69
	Lamina Ltd	50			
Total				150 601.85	

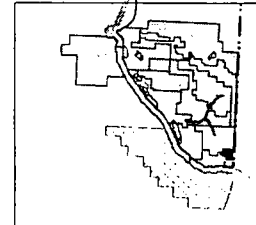
**Application for renewal pending*



APPLICABLE PETROLEUM ACTS



-  Petroleum exploration licence (PEL onshore / EPP offshore)
-  Petroleum exploration licence application (PELA onshore / EPPA offshore)
-  Petroleum Production Licence (PPL)
-  Petroleum Production Licence Application (PPLA)
-  Exploration application invited
-  Parks with no exploration access
-  Gas Pipeline Licence (PL)
-  Liquids Pipeline Licence (PL)



See Otway Basin Enlargement

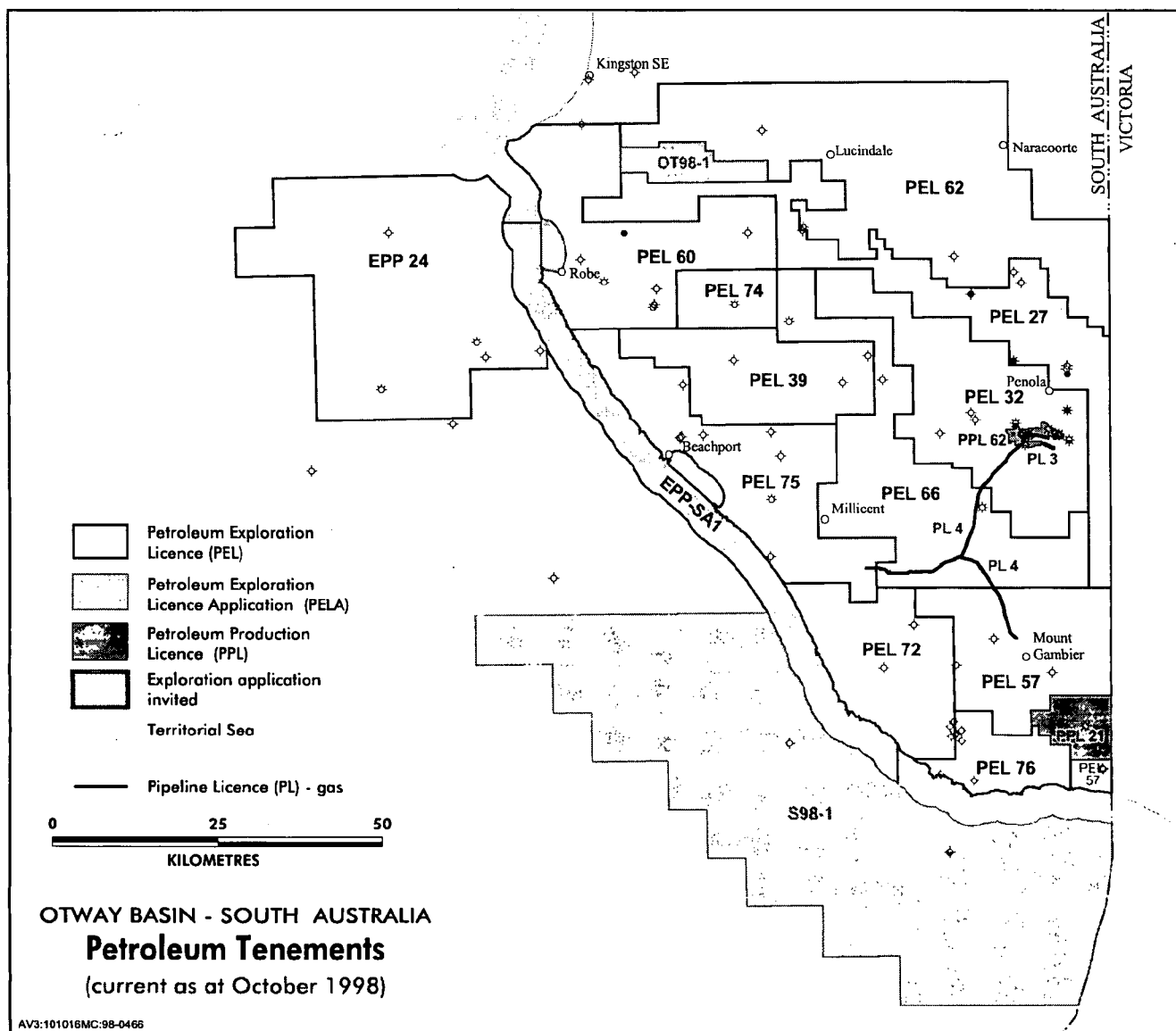


**SOUTH AUSTRALIA
Petroleum Tenements
(Current as at October 1998)**

OFFSHORE: EXPLORATION PERMITS FOR PETROLEUM (EPP)

		Interest %	Expiry date	Number of graticular blocks
24	*Boral Energy Resources Ltd	51.43	29/07/2001	31
	Cultus Petroleum NL	17.57		
	Otway Resources Pty Ltd	8.33		
	Pan Pacific Petroleum NL	5		
	Basin Oil NL	5		
	Victoria Diamond Exploration Pty Ltd	6.67		
	Durum (Australia) Pty Ltd	6		
<i>EPP(Pursuant to the SA Petroleum (Submerged Lands) Act 1982)</i>				
SA-1	*Cultus Petroleum (Australia) NL	55	14/11/2000	27
	Oil Company of Australia Ltd	20		
	Cultus Timor Sea Ltd	15		
	Basin Oil NL	10		
Total				58

*Operator



PRODUCTION TENEMENTS

ONSHORE: PETROLEUM PRODUCTION LICENCE (PPL)

		Interest %	Expiry date	Area (km ²)	Name of area
6	*Santos Ltd	40.70	31/12/2005	257.4	Gidgealpa Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
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	"	"	31/12/2005	157.3	Burke-Dullingari Fields
13	"	"	31/12/2005	56.07	Brumby Field
14	"	"	31/12/2005	233.05	Toolachee Field
15	"	"	31/12/2005	154.3	Della Field
16	"	"	31/12/2005	126.9	Big Lake and Namur Fields
17	"	"	31/12/2005	140.83	Merrimelia Field
18	"	"	31/12/2005	109.4	Fly Lake-Brolga Fields
19	"	"	31/12/2005	36.5	Moorari Field
20	"	"	31/12/2005	129.72	Tirrawarra Field
21	*Air Liquide Australia Ltd	100	30/04/2000	144.96	Caroline Field
22	*Santos Ltd	40.70	31/12/2006	233.82	Strzelecki Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
23	"	"	31/12/2006	79.9	Munkarie Field
24	"	"	31/12/2006	167.69	Kidman Field
25	"	"	31/12/2006	19.6	Narcoonowie Field
26	Vamgas Pty Ltd	43.75	10/6/2007	3.6	Cuttapirrie Field
	*Santos Ltd	25.6022			
	Delhi Petroleum Pty Ltd	17.143			
	Boral Energy Resources Ltd	10.536			
	Gulf (Aust) Resources NL	2.9688			
27	*Santos Ltd	40.70	31/12/2006	23.4	Mudrangie Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			

		Interest %	Expiry date	Area (km ²)	Name of area
28	"	"	6/5/2007	15.7	Kanowana Field
29	"	"	31/12/2008	2.99	Rakoona Field
30	"	"	31/12/2006	48.6	Limestone Creek- Biala Fields
31	"	"	6/5/2007	5.7	Wancoocha Field
32	"	"	6/5/2007	5.65	Muteroo Field
33	"	"	31/12/2006	15.4	Bookabourdie Field
34	"	"	31/12/2006	9.46	McKinlay Field
35	"	"	31/12/2006	21.3	Meranji Field
36	"	"	31/12/2006	46.93	Ulandi/Alwyn/Jena Fields
37	"	"	6/10/2007	7.64	Spencer Field
38	"	"	6/10/2007	10.21	Dirkala Field
39	"	"	31/12/2006	1.50	Nungeroo Field
40	"	"	31/12/2007	10.59	Lepena Field
41	"	"	31/12/2011	20.34	Mundi/Kapinka Fields
42	"	"	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	"	"	29/03/2010	1.30	Taloola Field
46	"	"	20/12/2009	1.99	Tantanna Field
47	"	"	20/12/2009	3.50	Sturt and Sturt East Fields
48	"	"	31/12/2010	2.12	Kurunda Field
49	"	"	31/12/2010	8.09	Leleptian Field
50	"	"	31/12/2009	17.26	Andree Field
51	"	"	31/12/2011	6.88	Kirrilee Field
52	"	"	31/12/2009	1.59	Gooranie South Field
53	"	"	4/12/2010	1.78	Spencer West Field
54	"	"	15/6/2010	0.10	Pintari North Field
55	"	"	31/12/2011	9.71	Varanus Field
56	"	"	31/12/2013	3.74	Varanus South Field
57	"	"	16/7/2011	10.47	Thurakinna Field
58	Santos Ltd	40.70	31/12/2010	14.88	Mettika Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
59	"	"	16/7/2011	10.46	Garanjanie Field
60	"	"	25/5/2014	6.54	Wirrarie North Field
61	"	"	17/10/2011	11.86	Arrakis-Murta Fields
62	Sagasco Southeast Inc.	35.7143	26/11/2011	28.75	Katnook, Ladbroke and Haselgrove Gas Fields
	Omega Oil NL	24.2857			
	*Boral Energy Resources Ltd	20			
	Cultus Petroleum (Australia) NL	15			
	Basin Oil NL	5			

Interest		%	Expiry date	Area (km ²)	Name of area
63	*Santos Ltd	40.70	23/5/2012	1.28	Malgoona (E) Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
64	"		23/5/2012	1.92	Malgoona (W) Field
65	"		17/7/2012	6.36	Kujani Field
66	"		24/11/2012	10.60	Jack Lake Field
67	"		17/7/2012	10.91	Keena Field
68	"		31/12/2011	14.09	Cooba Field
69	"		31/12/2011	11.64	Tarwonga Field
70	"		25/5/2014	5.70	Farina Field
71	"		31/12/2013	15.68	Kerna Field
72	"		31/12/2013	17.45	Dilchee/Pira Fields
73	"		31/12/2015	1.05	Mudlalee Field
74	"		31/12/2015	4.66	Allambi Field
75	"		26/10/2016	6.46	Caladan Field
76	Vamgas Pty Ltd	43.75	26/10/2016	3.39	Teloepa Field
	*Santos Ltd	25.6022			
	Delhi Petroleum Pty Ltd	17.1430			
	Boral Energy Resources Ltd	10.5360			
	Gulf (Aust) Resources NL	2.9688			
77	"	"	26/10/2016	9.66	Keleary Field
78	*Santos Ltd	40.70	31/12/2016	5.55	Baratta Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
79	"		31/12/2016	2.35	Gahnia Field
80	"		31/12/2016	3.36	Correa Field
81	"		31/10/2017	4.39	Caladan Northeast Field
82	"		31/12/2016	5.72	Waukatanna Field
83	"		31/12/2016	3.2	Pogona Field
84	"	"	6/6/2018	28.30	Barina Field
85	"	"	31/12/2017	3.41	Alisma Field
86	"	"	31/12/2017	2.34	Carmina Field
87	"	"	31/12/2017	5.35	Boobook Field
88	"	"	31/12/2017	2.49	Lycosa Field
89	"	"	31/12/2017	6.14	Bobs Well Field
90	"	"	31/12/2017	60.81	Packsaddle/ Pondrinnie Field
91	"	"	31/12/2017	9.44	Cowralli Field
92	"	"	31/12/2017	1.77	Plantago Field
93	"	"	31/12/2017	7.4	Wilpinnie Field
94	"	"	08/01/2019	6.84	Atreides Field

PIPELINE LICENCE (PL)

		Interest %	Commis- sioning date	Expiry date	Length (km)	Diameter (mm)	Maximum allowable operating pressure (kPa)
1	Epic Energy SA Pty Ltd	100	Nov 69	29/06/2016	1 067.31	559	7 322
2	Santos Ltd	37.7294	Jan 83	25/11/2002	659	355.6	10 340
	Delhi Petroleum Pty Ltd	17.0342					
	Boral Energy Resources Ltd	13.1493					
	Bridge Oil Development Pty Ltd	8.8143					
	Vamgas Pty Ltd	7.5459					
	Reef Oil Pty Ltd	4.6391					
	Basin Oil NL	4.6391					
	Gulf (Aust.) Resources NL	3.9303					
	Alliance Petroleum Aust. Pty Ltd	1.5509					
	Santos Petroleum Pty Ltd	0.5036					
	Santos (BOL) Pty Ltd	0.4639					
3	Epic Energy SA Pty Ltd	100	Mar 91	29/06/2016	4.5	60.3	10 000
4	Epic Energy SA Pty Ltd	100	Feb 91	29/06/2016	67	168	10 000
5	Santos Ltd	32.6300	Oct 93	21/04/2013	92	400	14 500
	Delhi Petroleum Pty Ltd	23.2000					
	Santos Petroleum Pty Ltd	18.7200					
	Boral Energy Resources Ltd	16.5000					
	Vamgas Pty Ltd	7.5125					
	Gulf Australian Hydrocarbons Ltd	1.2000					
	Oil Company of Australia NL	0.2375					
6	Ayers Net Ltd	100	Oct 94	26/01/2015	231	114	10 000
7	East-Aust Pipeline Ltd	100	1976	29/06/2015	111	864	6 200
8	Gorodok Pty Ltd	100	July 96	09/07/2017	101	219	15 300
9	Santos Ltd	32.63	April 96	16/2/2018	3.483	323.9	11 400
	Delhi Petroleum Pty Ltd	23.2					
	Santos Petroleum Pty Ltd	18.72					
	Boral Energy Resources Ltd	16.5					
	Vamgas Pty Ltd	7.5125					
	Gulf Australian Hydrocarbons Ltd	1.2					
	Oil Company of Australia Ltd	0.2375					
					Total length	2 336.293 km	

Pipeline Licence number	Pipeline name	Pipeline type	Pipeline operator	Pipeline owner
1	Moomba-Adelaide	Natural gas	EPIC Energy	EPIC Energy
2	Moomba-Port Bonython	Hydrocarbon liquids	EPIC Energy	Santos Ltd
3	Katnook-SAFRIES	Natural gas	EPIC Energy	EPIC Energy
4	Katnook-Mt Gambier/Snuggery	Natural gas	EPIC Energy	EPIC Energy
5	Queensland-Moomba	Natural gas/liquids	Santos Ltd	Santos Ltd
6	Riverland	Natural gas	EPIC Energy	South Australia Gas Co. Ltd
7	Moomba-Sydney	Natural gas	East Aust Pipeline	East Aust Pipeline
8	Moomba-Sydney	Ethane	ICI Aust Engineering P/L	Gorodok Pty Ltd (ICI Aust.)
9	SWQ-Mettika	Natural gas/liquids	Santos Ltd	SWQ JV

PRIMARY INDUSTRIES and RESOURCES SOUTH AUSTRALIA
Petroleum

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Email petrdata@msgate.mesa.sa.gov.au www.mines.sa.gov.au/petrol
www.pir.sa.gov.au



**Government
of South Australia**

Earth Resources Information Sheet

P1

HOLDERS OF PETROLEUM TENEMENTS

Current as at July 1998

EXPLORATION TENEMENTS

ONSHORE: PETROLEUM EXPLORATION LICENCE (PEL)

		Interest %	Expiry date	Area (km ²)	Minimum area to be relinquished upon renewal (km ²)
5	Delhi Petroleum Pty Ltd	100	27/2/99	34 331.81	Final Renewal
6	Santos Ltd	100	27/2/99	34 331.81	Final Renewal
27	Oil Company of Australia Ltd	66.667	30/7/99	1080	848
	Basin Oil NL	27.778			
	Cultus Petroleum (Australia) NL	5.555			
32	Sagasco Southeast Inc.	35.7143	18/2/2000	1 116.23	576.25
	Omega Oil NL	24.2857			
	Boral Energy Resources Ltd	20			
	Basin Oil NL	15			
	Cultus Petroleum (Australia) NL	5			
34	Nerdlihc Co. Inc.	100	27/6/2000	5 597	Final Renewal
39	Basin Oil NL	91.25	9/11/99	672	231.75
	Cultus Petroleum (Australia) NL	8.75			
41	Sweetheart Oil Pty Ltd	66.667	18/2/2000	7 911	3 957.25
	Frontier Exploration Ltd	33.333			
45	Beach Petroleum NL	30	28/8/99	11 785	2 946.25
	Claremont Petroleum NL	30			
	Oakman Pty Ltd	20			
	J.F. Allender	20			
*49	Felstea Pty Ltd	100	30/6/96	6 873	2 303.25
*50	Felstea Pty Ltd	100	30/6/96	7 285	2 428.50
51	Beach Petroleum NL	30	28/8/99	2 667	666.75
	Claremont Petroleum NL	30			
	Oakman Pty Ltd	20			
	J.F. Allender	20			
*53	Wagner (Australia) Ltd	35	3/12/95	7 198	2 534
	Brown (Australia) Ltd	35			
	Forcenergy International Inc.	25			
	BET Australia, LLC	5			
57	Lakes Oil NL	70	17/11/2001	772	262
	Victoria Petroleum NL	10			
	Cultus Petroleum (Australia) NL	10			
	Mirboo Ridge Pty Ltd	10			
*59	Wagner (Australia) Ltd	35	30/3/98	4 129	1 032.25
	Brown (Australia) Ltd	35			
	Forcenergy International Inc.	25			
	BET Australia, LLC	5			



		Interest %	Expiry date	Area (km ²)	Minimum area to be relinquished upon renewal (km ²)
60	Oil Company of Australia Ltd	62.5	10/8/99	1 069	267.25
	Cultus Petroleum (Australia) NL	25			
	Todd Petroleum Australia Ltd	12.5			
61	Hemley Exploration Pty Ltd	100	22/5/2001	6 258	1 564.5
62	Lakes Oil NL	50	2/11/2000	2 023	505.75
	Sun Resources NL	50			
63	Hemley Exploration Pty Ltd	100	22/5/2001	10 930	2 732.5
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	Lamina Ltd	50			
				Total	150 601.85

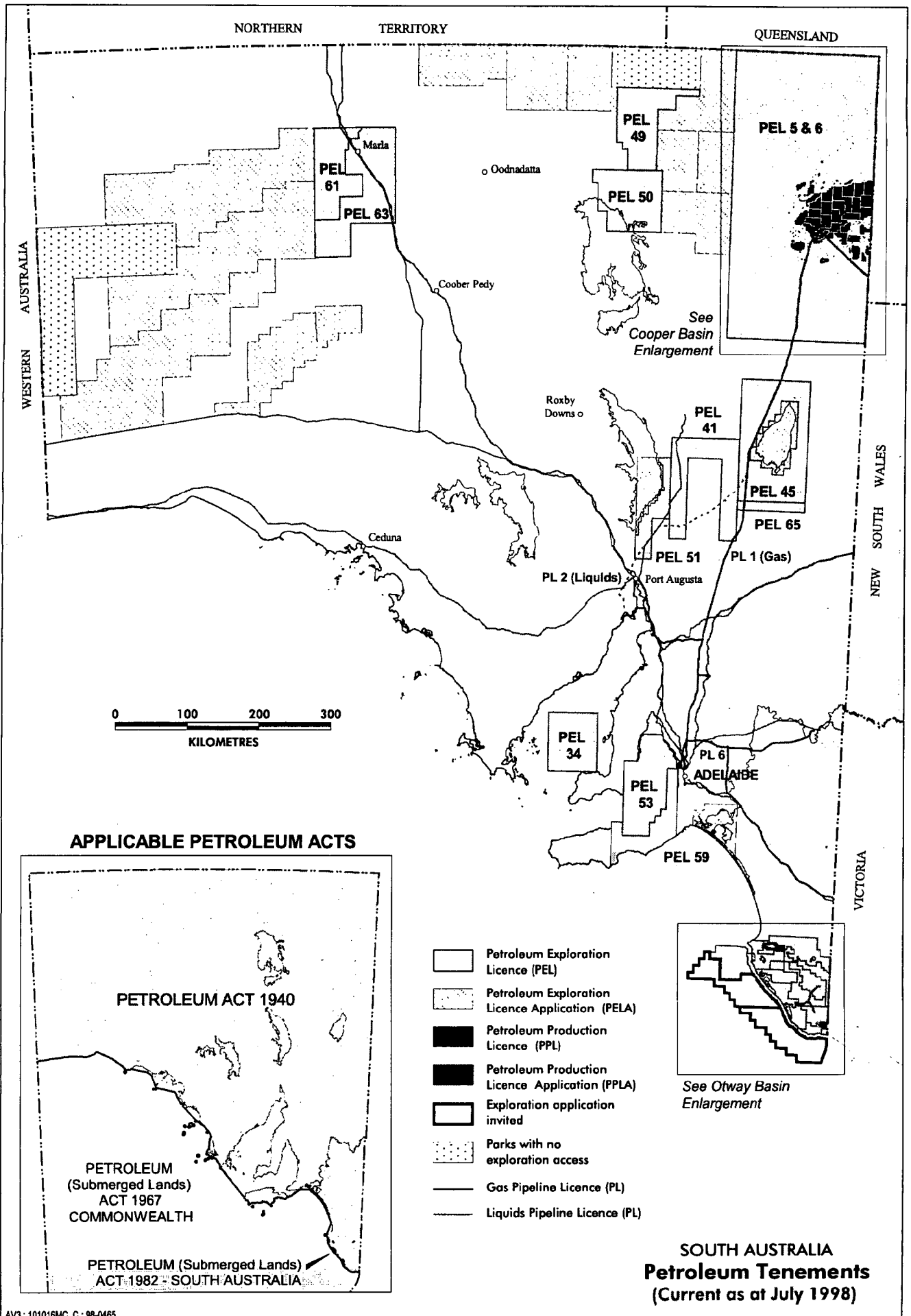
*Application for renewal pending

OFFSHORE: EXPLORATION PERMITS FOR PETROLEUM (EPP)

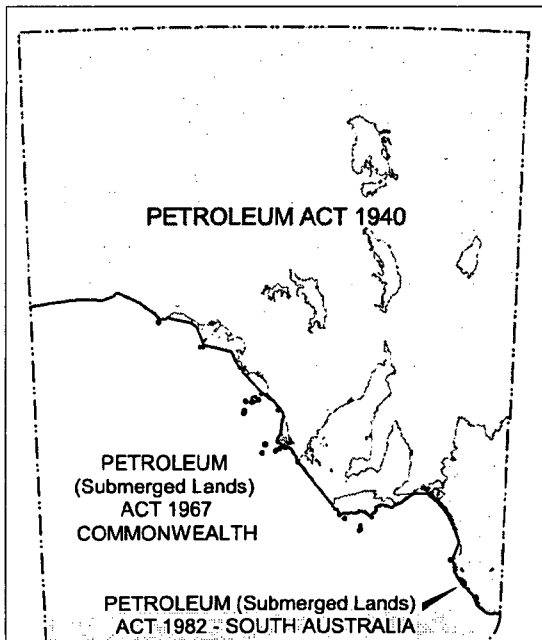
		Interest %	Expiry date	Number of graticular blocks	
24	*Boral Energy Resources Ltd	51.43	29/07/2001	31	
	Cultus Petroleum NL	17.57			
	Lakes Oil (Offshore) Pty Ltd	13.33			
	Basin Oil NL	5			
	Victoria Diamond Exploration Pty Ltd	6.67			
	Durum (Australia) Pty Ltd	6			
<i>EPP(Pursuant to the SA Petroleum (Submerged Lands) Act 1982)</i>					
SA-1	*Cultus Petroleum (Australia) NL	55	14/11/99	27	
	Oil Company of Australia Ltd	20			
	Cultus Timor Sea Ltd	15			
	Basin Oil NL	10			
				Total	58









*Operator

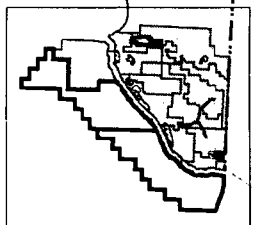
Acreage	Gazettals	Number of graticular blocks	Closing date
S98-1		67	15 Oct 98
S98-2		57	15 Oct 98



APPLICABLE PETROLEUM ACTS



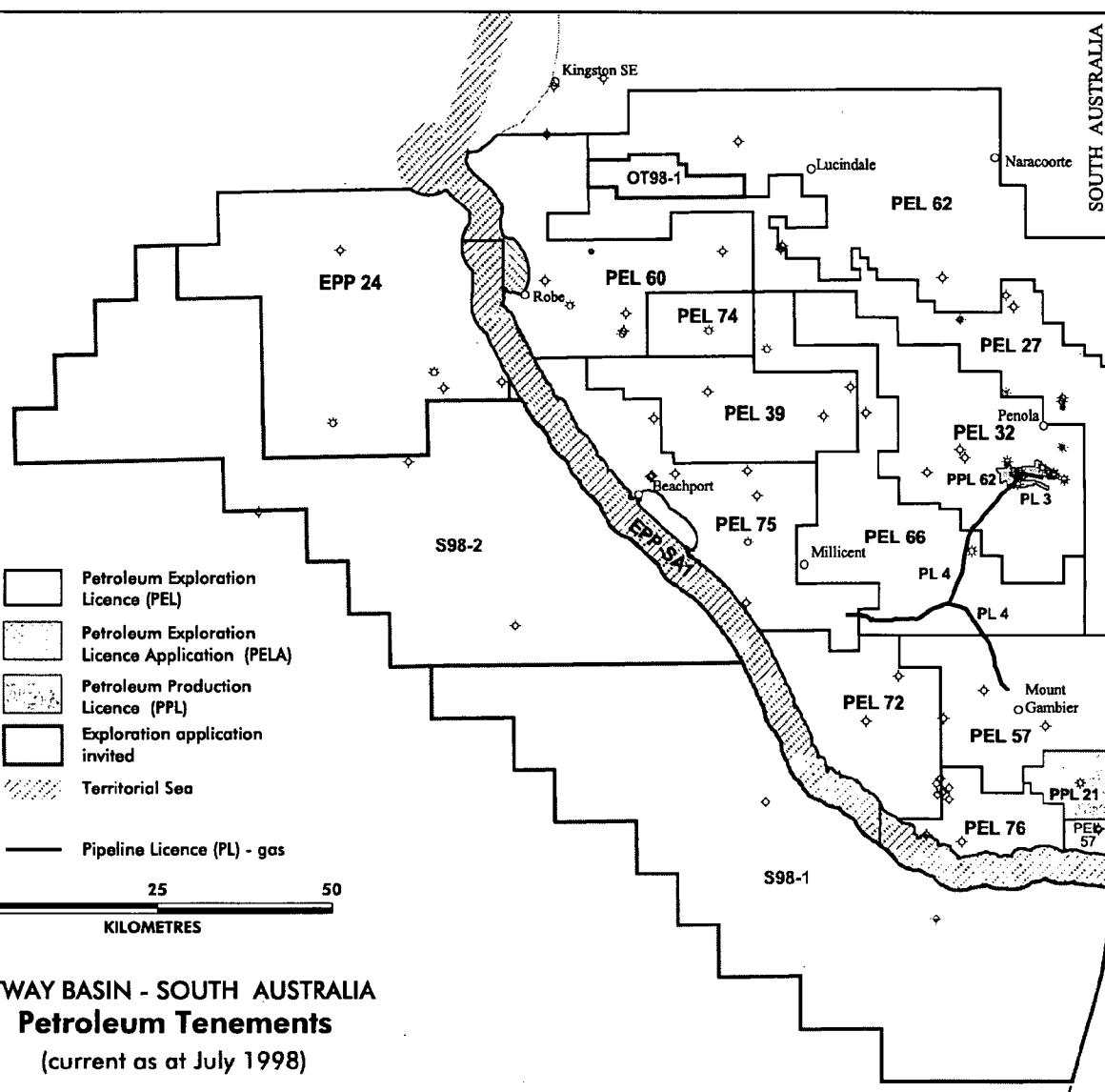
-  Petroleum Exploration Licence (PEL)
-  Petroleum Exploration Licence Application (PELA)
-  Petroleum Production Licence (PPL)
-  Petroleum Production Licence Application (PPLA)
-  Exploration application invited
-  Parks with no exploration access
-  Gas Pipeline Licence (PL)
-  Liquids Pipeline Licence (PL)



See Otway Basin Enlargement

**SOUTH AUSTRALIA
Petroleum Tenements
(Current as at July 1998)**

SOUTH AUSTRALIA
VICTORIA



OTWAY BASIN - SOUTH AUSTRALIA
Petroleum Tenements
(current as at July 1998)

AV3 : 101016MC : 98-0468

PRODUCTION TENEMENTS

ONSHORE: PETROLEUM PRODUCTION LICENCE (PPL)

		Interest %	Expiry date	Area (km ²)	Name of area
6	*Santos Ltd	40.70	31/12/2005	257.4	Gidgealpa Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
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	" "	"	31/12/2005	157.3	Burke-Dullingari Fields
13	" "	"	31/12/2005	56.07	Brumby Field
14	" "	"	31/12/2005	233.05	Toolachee Field
15	" "	"	31/12/2005	154.3	Della Field
16	" "	"	31/12/2005	126.9	Big Lake and Namur Fields
17	" "	"	31/12/2005	140.83	Merrimelia Field
18	" "	"	31/12/2005	109.4	Fly Lake-Brolga Fields
19	" "	"	31/12/2005	36.5	Moorari Field
20	" "	"	31/12/2005	129.72	Tirrawarra Field
21	*Air Liquide Australia Ltd	100	30/04/2000	144.96	Caroline Field
22	*Santos Ltd	40.70	31/12/2006	233.82	Strzelecki Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
23	" "	"	31/12/2006	79.9	Munkarie Field
24	" "	"	31/12/2006	167.69	Kidman Field
25	" "	"	31/12/2006	19.6	Narcoonowie Field
26	Vamgas Pty Ltd	43.75	10/6/2007	3.6	Cuttapirrie Field
	*Santos Ltd	25.6022			
	Delhi Petroleum Pty Ltd	17.143			
	Boral Energy Resources Ltd	10.536			
	Gulf (Aust) Resources NL	2.9688			
27	*Santos Ltd	40.70	31/12/2006	23.4	Mudrangie Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			

		Interest %	Expiry date	Area (km ²)	Name of area
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
28	“ ”	“	6/5/2007	15.7	Kanowana Field
29	“ ”	“	31/12/2008	2.99	Rakoona Field
30	“ ”	“	31/12/2006	48.6	Limestone Creek- Biala Fields
31	” “	”	6/5/2007	5.7	Wancoocha Field
32	“ ”	“	6/5/2007	5.65	Muteroo Field
33	“ ”	“	31/12/2006	15.4	Bookabourdie Field
34	“ ”	“	31/12/2006	9.46	McKinlay Field
35	“ ”	“	31/12/2006	21.3	Meranji Field
36	“ ”	“	31/12/2006	46.93	Ulandi/Alwyn/Jena Fields
37	“ ”	“	6/10/2007	7.64	Spencer Field
38	“ ”	“	6/10/2007	10.21	Dirkala Field
39	“ ”	“	31/12/2006	1.50	Nungeroo Field
40	“ ”	“	31/12/2007	10.59	Lepena Field
41	“ ”	“	31/12/2011	20.34	Mundi/Kapinka Fields
42	“ ”	“	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	“ ”	“	29/03/2010	1.30	Taloola Field
46	“ ”	“	20/12/2009	1.99	Tantanna Field
47	“ ”	“	20/12/2009	3.50	Sturt and Sturt East Fields
48	“ ”	“	31/12/2010	2.12	Kurunda Field
49	“ ”	“	31/12/2010	8.09	Leleptian Field
50	“ ”	“	31/12/2009	17.26	Andree Field
51	“ ”	“	31/12/2011	6.88	Kirralee Field
52	“ ”	“	31/12/2009	1.59	Gooranie South Field
53	“ ”	“	4/12/2010	1.78	Spencer West Field
54	“ ”	“	15/6/2010	0.10	Pintari North Field
55	“ ”	“	31/12/2011	9.71	Varanus Field
56	“ ”	“	31/12/2013	3.74	Varanus South Field
57	“ ”	“	16/7/2011	10.47	Thurakinna Field
58	Santos Ltd	40.70	31/12/2010	14.88	Mettika Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
59	“ ”	“	16/7/2011	10.46	Garanjanie Field
60	“ ”	“	25/5/2014	6.54	Wirrarie North Field
61	“ ”	“	17/10/2011	11.86	Arrakis-Murta Fields

		Interest %	Expiry date	Area (km ²)	Name of area
62	Sagasco Southeast Inc.	35.7143	26/11/2011	28.75	Katnook, Ladbroke and Haselgrove Gas Fields
	Omega Oil NL	24.2857			
	*Boral Energy Resources Ltd	20			
	Cultus Petroleum (Australia) NL	15			
	Basin Oil NL	5			
63	*Santos Ltd	40.70	23/5/2012	1.28	Malgoona (E) Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
64	“ ”		23/5/2012	1.92	Malgoona (W) Field
65	“ ”		17/7/2012	6.36	Kujani Field
66	“ ”		24/11/2012	10.60	Jack Lake Field
67	“ ”		17/7/2012	10.91	Keena Field
68	“ ”		31/12/2011	14.09	Cooba Field
69	“ ”		31/12/2011	11.64	Tarwonga Field
70	“ ”		25/5/2014	5.70	Farina Field
71	“ ”		31/12/2013	15.68	Kerna Field
72	“ ”		31/12/2013	17.45	Dilchee/Pira Fields
73	“ ”		31/12/2015	1.05	Mudlalee Field
74	“ ”		31/12/2015	4.66	Allambi Field
75	“ ”		26/10/2016	6.46	Caladan Field
76	Vamgas Pty Ltd	43.75	26/10/2016	3.39	Telopea Field
	*Santos Ltd	25.6022			
	Delhi Petroleum Pty Ltd	17.1430			
	Boral Energy Resources Ltd	10.5360			
	Gulf (Aust) Resources NL	2.9688			
77	“ ”	“	26/10/2016	9.66	Keleary Field
78	*Santos Ltd	40.70	31/12/2016	5.55	Baratta Field
	Vamgas Pty Ltd	8.51			
	Alliance Petroleum Australia Pty Ltd	3.97			
	Reef Oil Pty Ltd	1.97			
	Santos Petroleum Pty Ltd	0.40			
	Bridge Oil Developments Pty Ltd	3.99			
	Santos (BOL) Pty Ltd	0.21			
	Boral Energy Resources Ltd	13.19			
	Delhi Petroleum Pty Ltd	20.21			
	Basin Oil NL	2.10			
	Gulf (Aust) Resources NL	4.75			
79	“ ”		31/12/2016	2.35	Gahnia Field
80	“ ”		31/12/2016	3.36	Correa Field
81	“ ”		31/10/2017	4.39	Caladan Northeast Field
82	“ ”		31/12/2016	5.72	Waukatanna Field
83	“ ”		31/12/2016	3.2	Pogona Field
84	“ ”	“	6/6/2018	28.30	Barina Field
85	“ ”	“	31/12/2017	3.41	Alisma Field
86	“ ”	“	31/12/2017	2.34	Carmina Field
87	“ ”	“	31/12/2017	5.35	Boobook Field
88	“ ”	“	31/12/2017	2.49	Lycosa Field

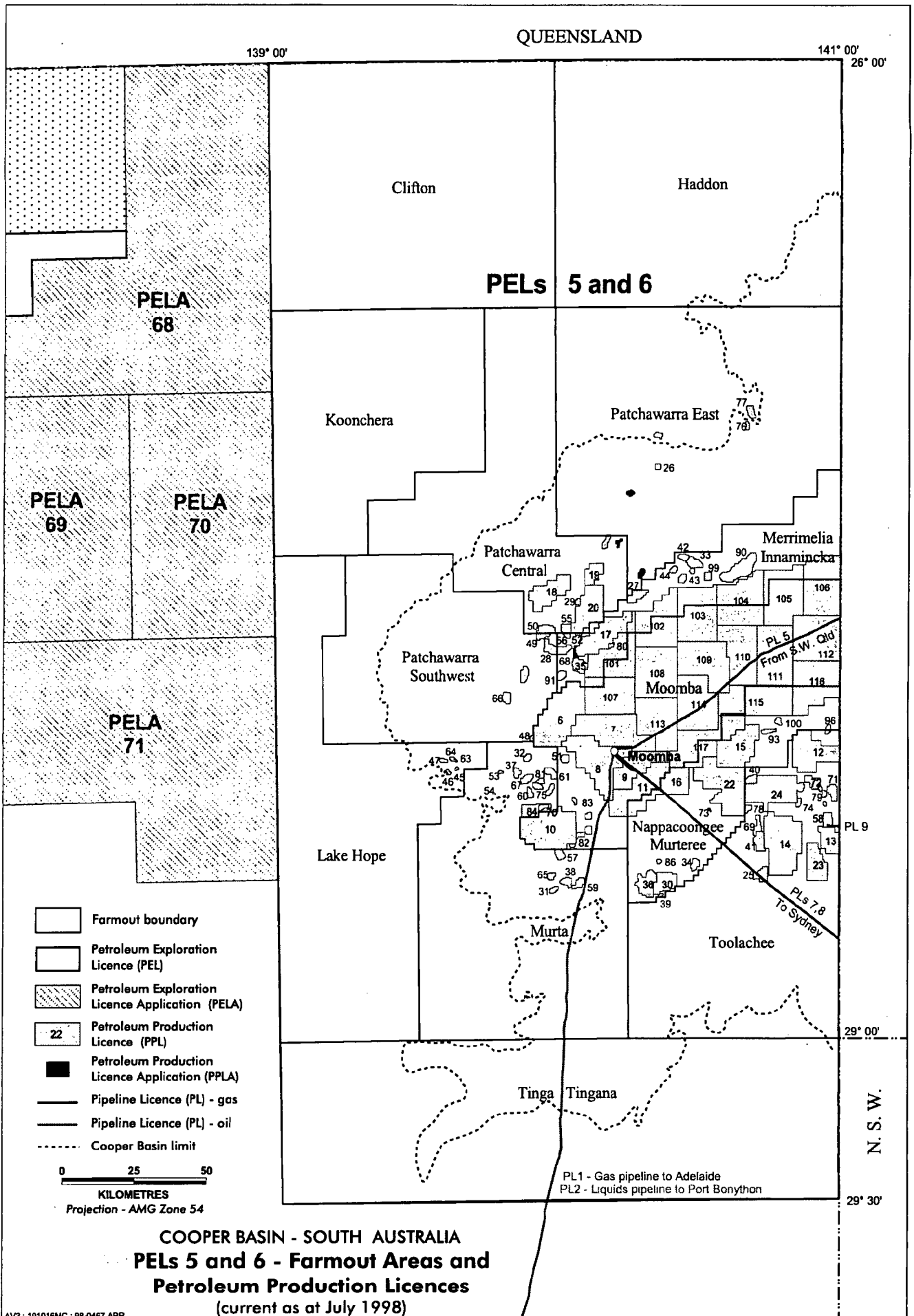
			Interest %	Expiry date	Area (km ²)	Name of area
89	“	”	“	31/12/2017	6.14	Bobs Well Field
90	“	”	“	31/12/2017	60.81	Packsaddle/ Pondrinnie Field
91	“	”	“	31/12/2017	9.44	Cowralli Field
92	“	”	“	31/12/2017	1.77	Plantago Field
93	“	”	“	31/12/2017	7.4	Wilpinnie Field
94	“	”	“	08/01/2019	6.84	Atreides Field
95	“	”	“	21/05/2019	12.01	Nephrite Field
96	“	”	“	31/12/2017	2.65	Beckler Field
97	“	”	“	31/12/2017	2.48	Beckler South Field
98	“	”	“	31/12/2017	7.28	Merupa Field
99	“	”	“	31/12/2017	6.84	Merindal Field
100	“	”	“	31/12/2017	5.21	Nappacoongee Field
101-117	“	”	“	2/11/2018	4 141.3	Nappamerri Trough
118	“	”	“	26/05/2019	0.36	Kudrieke North Field
119	“	”	“	31/12/2017	7.14	Kudrieke Field
120	“	”	“	31/12/2017	3.95	Lake MacMillan Field
121	“	”	“	26/05/2019	5.08	Tarragon Field
Total					7 954.96	

**Operator*

INTERESTS IN PEL 5 AND 6 FARMOUT AREAS

		%
Patchawarra Central	*Santos Ltd	40.70
	Vamgas Pty Ltd	8.51
	Alliance Petroleum Australia Pty Ltd	3.97
	Reef Oil Pty Ltd	1.97
	Santos Petroleum Pty Ltd	0.40
	Bridge Oil Developments Pty Ltd	3.99
	Santos (BOL) Pty Ltd	0.21
	Boral Energy Resources Ltd	13.19
	Delhi Petroleum Pty Ltd	20.21
	Basin Oil NL	2.10
	Gulf (Aust) Resources NL	4.75
Merrimelia-Innamincka	“	“
Murta	“	“
Tinga-Tingana	“	“
Patchawarra South-West	“	“
Nappacoongee-Murteree	“	“
Lake Hope	“	“
Moomba	“	“
Toolachee	“	“
Birdsville Track Ridge ‘A’ (Haddon)	“	“
Birdsville Track Ridge ‘B’ (Clifton)	“	“
Birdsville Track Ridge ‘C’ (Kooncherra)	“	“
Patchawarra East	Vamgas Pty Ltd	43.75
	*Santos Ltd	25.6022
	Delhi Petroleum Pty Ltd	17.143
	Boral Energy Resources Ltd	10.536
	Gulf (Aust) Resources NL	2.9688

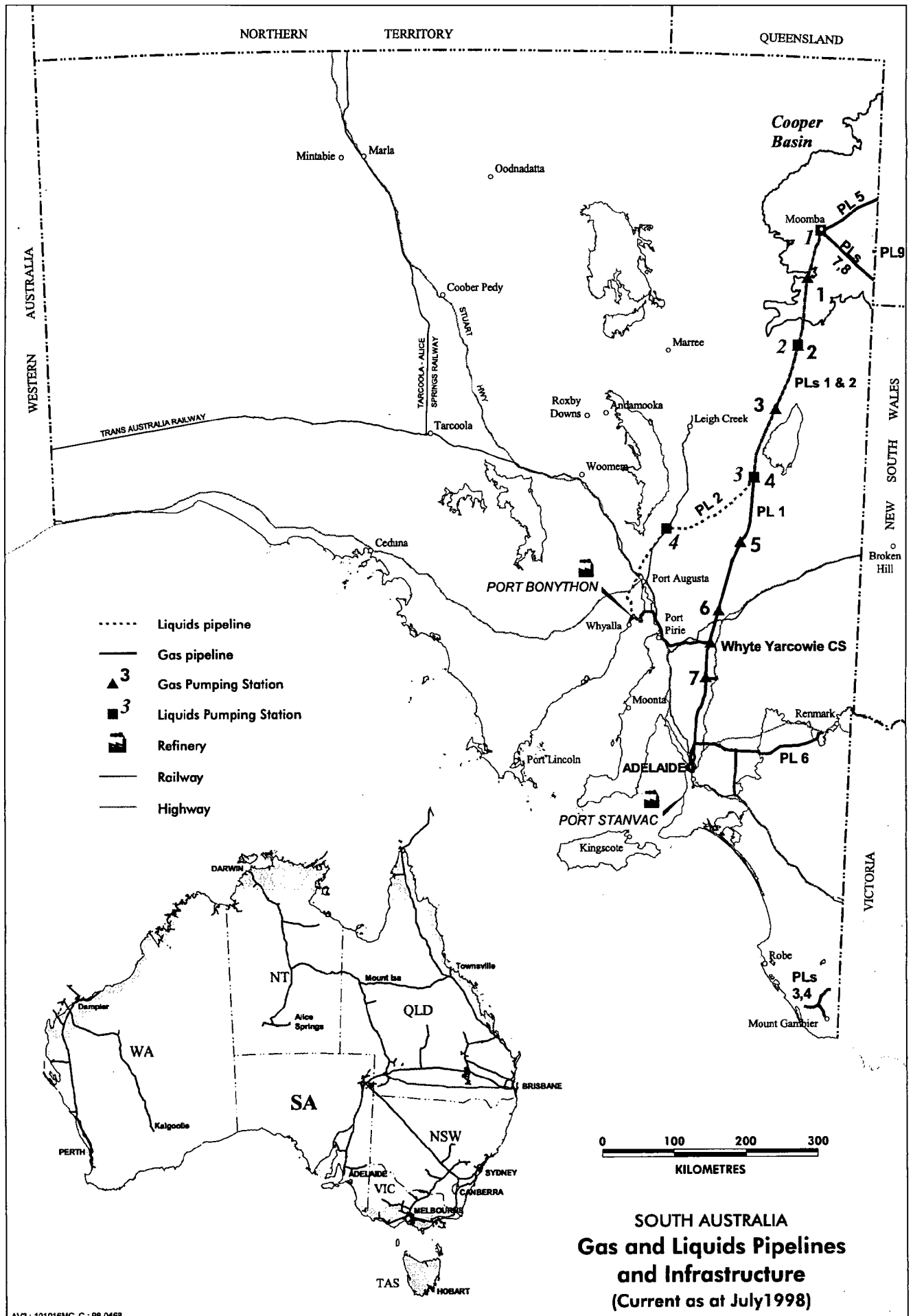
**Operator*



PIPELINE LICENCE (PL)

		Interest %	Commissioning date	Expiry date	Length (km)	Diameter (mm)	Maximum allowable operating pressure (kPa)
1	Epic Energy SA Pty Ltd	100	Nov 69	29/06/2016	1 067.31	559	7 322
2	Santos Ltd	37.7294	Jan 83	25/11/2002	659	355.6	10 340
	Delhi Petroleum Pty Ltd	17.0342					
	Boral Energy Resources Ltd	13.1493					
	Bridge Oil Development Pty Ltd	8.8143					
	Vamgas Pty Ltd	7.5459					
	Reef Oil Pty Ltd	4.6391					
	Basin Oil NL	4.6391					
	Gulf (Aust.) Resources NL	3.9303					
	Alliance Petroleum Aust. Pty Ltd	1.5509					
	Santos Petroleum Pty Ltd	0.5036					
	Santos (BOL) Pty Ltd	0.4639					
3	Epic Energy SA Pty Ltd	100	Mar 91	29/06/2016	4.5	60.3	10 000
4	Epic Energy SA Pty Ltd	100	Feb 91	29/06/2016	67	168	10 000
5	Santos Ltd	32.6300	Oct 93	21/04/2013	92	400	14 500
	Delhi Petroleum Pty Ltd	23.2000					
	Santos Petroleum Pty Ltd	18.7200					
	Boral Energy Resources Ltd	16.5000					
	Vamgas Pty Ltd	7.5125					
	Gulf Australian Hydrocarbons Ltd	1.2000					
	Oil Company of Australia NL	0.2375					
6	South Australian Gas Co Ltd	100	Oct 94	26/01/2015	231	114	10 000
7	East-Aust Pipeline Ltd	100	1976	29/06/2015	111	864	6 200
8	Gorodok Pty Ltd	100	July 96	09/07/2017	101	219	15 300
9	Santos Ltd	32.63	April 96	16/2/2018	3.483	323.9	11 400
	Delhi Petroleum Pty Ltd	23.2					
	Santos Petroleum Pty Ltd	18.72					
	Boral Energy Resources Ltd	16.5					
	Vamgas Pty Ltd	7.5125					
	Gulf Australian Hydrocarbons Ltd	1.2					
	Oil Company of Australia Ltd	0.2375					
					Total length	2 336.293 km	

Pipeline Licence number	Pipeline name	Pipeline type	Pipeline operator	Pipeline owner
1	Moomba–Adelaide	natural gas	EPIC Energy	EPIC Energy
2	Moomba–Port Bonython	hydrocarbon liquids	EPIC Energy	Santos Ltd
3	Katnook–SAFRIES	natural gas	EPIC Energy	EPIC Energy
4	Katnook–Mt Gambier/Snuggery	natural gas	EPIC Energy	EPIC Energy
5	Queensland–Moomba	natural gas/liquids	Santos Ltd	Santos Ltd
6	Riverland	natural gas	EPIC Energy	South Australia Gas Co. Ltd
7	Moomba–Sydney	natural gas	East Aust Pipeline	East Aust Pipeline
8	Moomba–Sydney	ethane	ICI Aust Engineering P/L	Gorodok Pty Ltd (ICI Aust.)
9	SWQ–Mettika	natural gas/liquids	Santos Ltd	SWQ JV



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