INDEX OF DOCUMENTS HELD ON THE PUBLIC REGISTER FOR PPL 72

1. 10 May 1993  Licence document dated 10 May 1993
   Effective: 1 January 1993
   Expiry: 31 December 2013

   Interests in the Licence:
   Santos Limited     50.0%
   Delhi Petroleum Pty Ltd    30.0%
   Vamgas Ltd       10.0%
   SAGASCO Resources Limited  10.0%

2. 10 May 1993  Memorandum entering licence on the public register and
   notating receipt of security.

3. 20 May 1993  Grant of Licence published in the South Australian Government
   Gazette dated 20 May 1993, Page 1697.

4. 17 March 1994 Memorandum dated 17 March 1994 consenting to the transfer
   as contained in the following documentation:
   • Deed of Assignment and Transfer dated 20 December 1993
     between Santos Ltd and Crusader Resources NL.

5. 15 April 1994 Memorandum entering the following documents on the public
   register:
   • Deed of Consent and Assumption dated 9 March 1994
     between the Unit Agreement parties and Australian
     Hydrocarbons Ltd, Claremont Petroleum NL, Oil Company
     of Australia Ltd, The Australian Gas Light Company,
     Pipelines Authority of South Australia and Executor Trustee
     Australia Ltd;
   • JOA Cross Charge 50/40/10 JOA dated 9 March 1994
     between Crusader Resources NL, Santos Ltd, Delhi
     Petroleum Pty Ltd, Sagasco Resources Ltd and Vamgas
     Ltd;
   • JOA Cross Charge Merrimelia-Innaminka JOA dated 9
     March 1994 between Crusader Resources NL, Santos Ltd, Alliance
     Petroleum Australia NL, Delhi Petroleum Pty Ltd, Sagasco
     Resources Ltd and Vamgas Ltd;
   • Covenant and Acknowledgment from Santos Ltd and
     Crusader Resources NL to Basin Oil NL dated 8 March
     1994.
6. 22 June 1994 Memorandum entering the following document on the public register:
   • Deed of Variation of Charge dated 17 May 1994 entered into by Crusader Resources NL and Westpac Banking Corporation.

   From: Vamgas Ltd
   To: Vamgas Pty Ltd

8. 24 July 1995 Memorandum entering change of company name on public register

9. 5 September 1995 Certificate of Registration on Change of Name dated 1 September 1995:
   From: SAGASCO Resources Ltd
   To: Boral Energy Resources Ltd.

10. 5 September 1995 Memorandum entering change of company name on the Public Register

11. 17 February 1997 Memorandum entering the following documents on the public register:
    • Deed of Assignment and Transfer dated 20 December 1996 between Santos Ltd (Santos), Delhi Petroleum Pty Ltd (Delhi), Santos Petroleum Pty Ltd (Santos Petroleum), Boral Energy Resources Ltd (Boral), Vamgas Pty Ltd (Vamgas), Bridge Oil Developments Pty Ltd (BOD), Santos (BOL) Pty Ltd (BOL), Reef Oil Pty Ltd (Reef), Alliance Petroleum Australia Pty Ltd (Alliance), Basin Oil NL (Basin) and Crusader Resources NL (Crusader).
    • New JOA Cross Charge dated 20 December 1996 between Santos, Delhi, Santos Petroleum, Boral, Vamgas, Crusader, BOD, BOL, Reef, Alliance and Basin.
    • Deed of Amendment Unit Cross Charge dated 20 December 1996 between Santos, Delhi, Santos Petroleum, Boral, Vamgas, Crusader, BOD, BOL, Reef, Alliance and Basin.
    • Deed of Amendment Downstream Cross Charge dated 20 December 1996 between Santos, Delhi, Santos Petroleum, Boral, Vamgas, Crusader, BOD, BOL, Reef, Alliance and Basin.

12. 30 June 1997 Certificate of Registration on Change of Name dated 12 June 1997:
    From: Crusader Resources NL
    To: Gulf (Aust) Resources NL

13. 30 June 1997 Memorandum entering change of company name on the Public Register.
14. 10 December 1999  Certificate of Registration on Change of Name dated 6 October 1999:
   From: Gulf (Aust) Resources NL
   To: Novus Australia Resources NL

15. 10 December 1999  Memorandum entering change of company name on the Public Register.

16. 13 March 2000  Certificate of Registration on Change of Name dated 24 February 2000:
   From: Boral Energy Resources
   To: Origin Energy Resources Ltd

17. 13 March 2000  Memorandum entering change of company name on the Public Register.

18. 15 October 2002  Certificate of Registration on Change of Type and Conversion to a Proprietary Company dated 8 June 2000:
   From: Basin Oil NL
   To: Basin Oil Pty Ltd

19. 15 October 2002  Memorandum entering change of company name on the Public Register.

20. 7 May 2004  Memorandum dated 7 May 2004 entering notation of adoption of the register for PELs 5&6 as part of the Commercial Register.

21. 23 July 2004  Memorandum entering notation of registrable dealing on the public register:
   - DPPL Security dated 21 May 2004 between Delhi Petroleum Pty Ltd and Westpac Banking Corporation
     Ref:SA 2004-44

22. 23 November 2005  Notation of discharge of security and receipt of replacement security is entered on the public register.

23. 13 January 2006  Certificate of Registration on Change of Name dated 29 June 2005:
   From: Novus Australia Resources NL
   To: Santos (NARNL Cooper) NL

24. 13 January 2006  Memorandum entering change of company name on the Public Register.

25. 9 May 2006  Certificate of Registration on Change of Name dated 1 December 2005:
   From: Santos (NARNL Cooper) NL
   To: Santos (NARNL Cooper) Pty Ltd.

26. 9 May 2006  Memorandum entering change of company name on the Public Register
27. 15 February 2011  Memorandum entering notation of the following registrable dealing on the public register.

Delhi fixed and Floating Charge and Mortgage of JV Assets dated 29 September 2010 between Delhi Petroleum Pty Limited and Westpac Banking Corporation.
Ref: SA 2011-15

28. 28 June 2012  Memorandum entering notation of the following registrable dealing on the public register.

Royalty Deed dated 19 January 2012 between Delhi Petroleum Pty Ltd and Esso Australia Resources Pty Ltd.
Ref: SA 2012-42

29. 5 November 2015  Memorandum entering notation of the grant of adjunct Associated Activities Licence AAL 233 on the public register.

30. 20 January 2017  Memorandum entering notation of extension of time of the offer to renew licence to 3 February 2017 on the public register.


Interests in this licence are:

- Santos Limited  40.70%
- Delhi Petroleum Pty Ltd  20.21%
- Origin Energy Resources Limited  13.19%
- Vamgas Pty Ltd  8.51%
- Santos (NARNL Cooper) Pty Ltd  4.75%
- Bridge Oil Developments Pty Ltd  3.99%
- Alliance Petroleum Australia Pty Ltd  3.97%
- Basin Oil Pty Ltd  2.10%
- Reef Oil Pty Ltd  1.97%
- Santos Petroleum Pty Ltd  0.40%
- Santos (BOL) Pty Ltd  0.21%

PPL 72 is now due to expire on 31 December 2034.

32. 25 January 2017  Memorandum entering renewal of licence with effect from 1 January 2014 on the public register.

33. 9 August 2017  Certificate of Registration on Change of Company Name dated 29 June 2017.

From: Origin Energy Resources Limited
To: Lattice Energy Limited

34. 9 August 2017  Memorandum entering notation of change of company name on the public register.
35. 7 June 2018 Memorandum entering notation of the following registrable dealing on the public register:

Deed of Variation dated 4 December 2015 between Santos Limited, Santos Petroleum Pty Ltd, Vamgas Pty Ltd, Santos (NARNL Cooper) Pty Ltd, Santos (BOL) Pty Ltd, Reef Oil Pty Ltd, Bridge Oil Developments Pty Limited, Basin Oil Pty Ltd, Alliance Petroleum Australia Pty Ltd, Origin Energy Resources Limited and Delhi Petroleum Pty Ltd

Ref: SA 2018-18

36. 22 January 2020 Certificate of Registration on Change of Name dated 2 December 2019.

From: Lattice Energy Limited
To: Beach Energy (Operations) Limited

37. 22 January 2020 Memorandum entering notation of change of company name on the public register.
Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

PETROLEUM PRODUCTION LICENCES

ASSOCIATED ACTIVITIES LICENCES
AALs 258, 259 and 263

PIPELINE LICENCES
PLs 2, 5, 9, 15 and 20

1. Notation of change of company name:

From: Lattice Energy Limited
To: Beach Energy (Operations) Limited

is hereby entered on the public registers.

BARRY A. GOLDSMITH
Executive Director
Energy Resources Division
Department for Energy and Mining
Delegate of the Minister for Energy and Mining

Date: 22 January 2020
Certificate of Registration on Change of Name

This is to certify that

LATTICE ENERGY LIMITED

Australian Company Number 007 845 338

did on the second day of December 2019 change its name to

BEACH ENERGY (OPERATIONS) LIMITED

Australian Company Number 007 845 338

The company is a public company.

The company is limited by shares.

The company is taken to be registered under the Corporations Act 2001 in South Australia and the date of commencement of registration is the ninth day of September, 1977.

Issued by the
Australian Securities and Investments Commission on this second day of December 2019.

James Shipton
Chair
MEMORANDUM

PETROLEUM PRODUCTION LICENCES

PIPELINE LICENCES
PLs 5, 9 and 15

SA 2018-18
Notation of registrable dealing as evidenced by Deed of Variation dated 4 December 2015 between Santos Limited, Santos Petroleum Pty Ltd, Vamgas Pty Ltd, Santos (NARNL Cooper) Pty Ltd, Santos (BOL) Pty Ltd, Reef Oil Pty Ltd, Bridge Oil Developments Pty Limited, Basin Oil Pty Ltd, Alliance Petroleum Australia Pty Ltd, Origin Energy Resources Limited and Delhi Petroleum Pty Ltd is hereby entered on the public register.

[Signature]

BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of the Premier and Cabinet
Delegate of the Minister for Energy and Mining

Date: 7 June 2018
Ref: 28/01/00045
MEMORANDUM

PETROLEUM RETENTION LICENCE
PRL 106

PETROLEUM EXPLORATION LICENCES
PELs 637 and 638

PETROLEUM PRODUCTION LICENCES

PIPELINE LICENCES
PLs 2, 5, 9, 15 and 20

1. Notation of change of company name:

From: Origin Energy Resources Limited
To: Lattice Energy Limited

is hereby entered on the public registers.

[Signature]

BARRY A. GOLDBSTEIN
Executive Director
Energy Resources Division
Department of the Premier and Cabinet
Delegate of the Minister for Mineral Resources and Energy

Date: 9 August 2017
Certificate of Registration on Change of Name

This is to certify that

ORIGIN ENERGY RESOURCES LIMITED

Australian Company Number 007 845 338

did on the twenty-ninth day of June 2017 change its name to

LATTICE ENERGY LIMITED

Australian Company Number 007 845 338

The company is a public company.

The company is limited by shares.

The company is taken to be registered under the Corporations Act 2001 in South Australia and the date of commencement of registration is the ninth day of September, 1977.

Issued by the
Australian Securities and Investments Commission
on this twenty-ninth day of June 2017.

Greg Medcraft
Chairman
MEMORANDUM

RENEWAL OF
PETROLEUM PRODUCTION LICENCES
PPLs 56 and 72

1. Renewal of these licences effective from 1 January 2014 is hereby entered on the public register.

2. Interests in the licences are:

   Santos Limited                  40.70%
   Delhi Petroleum Pty Ltd         20.21%
   Origin Energy Resources Limited 13.19%
   Vamgas Pty Ltd                  8.51%
   Santos (NARNL Cooper) Pty Ltd   4.75%
   Bridge Oil Developments Pty Ltd 3.99%
   Alliance Petroleum Australia Pty Ltd 3.97%
   Basin Oil Pty Ltd               2.10%
   Reef Oil Pty Ltd                1.97%
   Santos Petroleum Pty Ltd        0.40%
   Santos (BOL) Pty Ltd            0.21%

BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of State Development
Delegate of the Minister for Mineral Resources and Energy

Date: 25 January 2017
File: 28/1/142
       28/1/185
Petroleum and Geothermal Energy Act 2000
Cooper Basin (Ratification) Act 1975

RENEWAL OF
PETROLEUM PRODUCTION LICENCE
PPL 72

I, BARRY ALAN GOLDSMITH, Executive Director, Energy Resources Division, Department of State Development, in the State of South Australia, pursuant to the provisions of the Petroleum and Geothermal Energy Act 2000, the Cooper Basin (Ratification) Act 1975 and all other enabling powers for and on behalf of Tom Koutsantonis, Minister for Mineral Resources and Energy (Minister), pursuant to delegated powers, dated 21 March 2012, hereby renew Petroleum Production Licence PPL 72, held by:

Santos Limited  ACN 007 550 923
Vamgas Pty Ltd  ACN 006 245 110
Alliance Petroleum Australia Pty Ltd  ACN 004 559 951
Reef Oil Pty Ltd  ACN 000 646 800
Santos Petroleum Pty Ltd  ACN 000 146 369
Bridge Oil Developments Pty Ltd  ACN 001 152 049
Santos (BOL) Pty Ltd  ACN 000 670 575
Delhi Petroleum Pty Ltd  ACN 007 854 686
Origin Energy Resources Limited  ACN 007 845 338
Basin Oil Pty Ltd  ACN 000 628 017
Santos (NARNL Cooper) Pty Ltd  ACN 004 761 255

(heriin after referred to as the 'Licensor'), and granted pursuant to the Petroleum Act 1940 in relation to all regulated resources except a source of geothermal energy in respect of the area described below, and subject to the conditions set out below and the provisions of the Cooper Basin (Ratification) Act 1975 and the Petroleum and Geothermal Energy Act 2000. The term of this licence is 21 years commencing on 1 January 2014, and expiring at midnight on 31 December 2034.

DESCRIPTION OF AREA

The land comprised in this Licence is that part of the State of South Australia described in Schedule 1 attached hereto.

TERMS AND CONDITIONS

1. Scope of Rights

For the avoidance of doubt:

(a) this renewal permits the Licensee to conduct all operations authorised by PPL 72 immediately prior to the commencement of this renewal on 1 January 2014; and

(b) nothing in this Licence affects the rights of the Licensee pursuant to the Cooper Basin (Ratification) Act 1975.
2. Pursuant to Section 74 of the Act the regulated activities to be carried out pursuant to this Licence are classified as requiring low level official surveillance.

3. Security

3.1 For the purpose of ensuring the due and proper performance of the Licensee's obligations under this Licence and the *Petroleum and Geothermal Energy Act 2000*, the Licensee shall provide security in the amount of $50,000 in the form of either:

(a) cash; or

(b) an unconditional, irrevocable bank guarantee or letter of credit in a form, and from a financial institution, approved by the Minister, ("the Security").

3.2 The Security shall be reviewed periodically, and during the term of the Licence if in the opinion of the Minister it is reasonable to increase the Security amount, provide additional security or substitute another security for the existing Security, the Licensee must comply with the Minister's request within 28 days after being requested in writing by the Minister to do so.

3.3 Interest will not be payable by the Minister to the Licensee on any cash Security.

3.4 All charges incurred by the Licensee in obtaining and maintaining the Security shall be met by the Licensee.

If this Licence is surrendered or cancelled and the Minister is satisfied that there are no further obligations under this Licence or the *Petroleum and Geothermal Energy Act 2000*, the Minister will return the Security to the Licensee.

4. Insurance

4.1 The Licensee must:

(a) upon commencement of regulated activities under this Licence, maintain in force during the term of this Licence public liability insurance to cover regulated activities under this Licence (including sudden and accidental pollution) in the name of the Licensee for a sum not less than twenty million dollars ($20,000,000.00) or such greater sum as specified by the Minister, and make such amendments to the terms and conditions of the insurance as the Minister may from time to time reasonably require;

(b) maintain in force during the drilling of any well or operation in any well, control of well insurance in the name of the Licensee for a sum not less than ten million dollars ($10,000,000.00) or such greater sum as specified by the Minister, and make such amendments to the terms and conditions of the insurance as the Minister may from time to time reasonably require;

(c) upon request by the Minister, provide the Minister with a cover note or certificate of currency of each insurance policy referred to in paragraphs (a) and (b).
4.2 The Minister in specifying the levels of insurance accepts no liability for the completeness of their listing, the adequacy of the sum insured, the limit of liability, the scoped coverage, the conditions or exclusions of these insurances in respect to how they may or may not respond to any loss, damage or liability.

5. Transfer of Liability

Subject to the Cooper Basin (Ratification) Act 1975, a contract or agreement entered into by the Licensee to transfer or accept liability for any well or facility constructed for the purpose of undertaking a regulated activity under the Petroleum Act 1940 or the Petroleum and Geothermal Energy Act 2000 cannot transfer, limit or exclude liability under the Petroleum Act 1940 or the Petroleum and Geothermal Energy Act 2000 unless written consent of the Minister is obtained.

6. Sub-Licences

The Minister hereby gives and records his consent to renewal by the Licensee of the Sub-Licences created in respect of the area described in Schedule 1, in the form of or to the effect set out in Schedule 2.

Date: 25 January 2017

[Signature]

BARRY A. GOLDS TEIN
Executive Director
Energy Resources Division
Department of State Development
Delegate of the Minister for Mineral Resources and Energy
Signed for and on behalf of:

**Santos Limited (ACN 007 550 923)**
**Vamgas Pty Ltd (ACN 006 245 110)**
**Alliance Petroleum Australia Pty Ltd (ACN 004 559 951)**
**Reef Oil Pty Ltd (ACN 000 646 800)**
**Santos Petroleum Pty Ltd (ACN 000 146 369)**
**Bridge Oil Developments Pty Ltd (ACN 001 152 049)**
**Santos (BOL) Pty Ltd (ACN 000 670 575)**
**Basin Oil Pty Ltd (ACN 000 628 017)**
**Santos (NARNL Cooper) Pty Ltd (ACN 004 761 255)**

by its authorised representative:

[Signature of Authorised Representative]

[Chad Wilson]

[Print Name of Authorised Representative]

15-12-16

Date

Signed for and on behalf of **Origin Energy Resources Limited (ACN 007 845 338)**

by its authorised representative:

[Signature of Authorised Representative]

[Print Name of Authorised Representative]

Date

Signed for and on behalf of **Delhi Petroleum Pty Ltd (ACN 007 854 686)**

in accordance with section 127 of the **Corporations Act 2000 (Cth)**:

[Signature of Director]

[Signature of Director/Secretary*]

[Print Name of Director]

[Print Name of Director]

(*delete the inapplicable)

Date
Signed for and on behalf of:

Santos Limited (ACN 007 550 923)
Vamgas Pty Ltd (ACN 006 245 110)
Alliance Petroleum Australia Pty Ltd (ACN 004 559 951)
Reef Oil Pty Ltd (ACN 000 646 800)
Santos Petroleum Pty Ltd (ACN 000 146 369)
Bridge Oil Developments Pty Ltd (ACN 001 152 049)
Santos (BOL) Pty Ltd (ACN 000 670 575)
Basin Oil Pty Ltd (ACN 000 628 017)
Santos (NARNL Cooper) Pty Ltd (ACN 004 761 255)

by its authorised representative:

..................................................
Signature of Authorised Representative

..................................................
[Print Name of Authorised Representative]

..................................................
Date

Signed for and on behalf of Origin Energy Resources Limited (ACN 007 845 338)
by its authorised representative:

..................................................
Signature of Authorised Representative

..................................................
George Mayo

[Print Name of Authorised Representative]

..................................................
Date

6/1/17

Signed for and on behalf of Delhi Petroleum Pty Ltd (ACN 007 854 686)
in accordance with section 127 of the Corporations Act 2000 (Cth):

..................................................
Signature of Director

..................................................
Signature of Director/Secretary*

..................................................
[Print Name of Director]

[Print Name of Director]

(*delete the inapplicable)

..................................................
Date

Inst 05264.DOCX
Signed for and on behalf of:

Santos Limited (ACN 007 550 923)
Vamgas Pty Ltd (ACN 006 245 110)
Alliance Petroleum Australia Pty Ltd (ACN 004 559 951)
Reef Oil Pty Ltd (ACN 000 646 800)
Santos Petroleum Pty Ltd (ACN 000 146 369)
Bridge Oil Developments Pty Ltd (ACN 001 152 049)
Santos (BOL) Pty Ltd (ACN 000 670 575)
Basin Oil Pty Ltd (ACN 000 628 017)
Santos (NARNL Cooper) Pty Ltd (ACN 004 761 255)

by its authorised representative:

..........................................................
Signature of Authorised Representative

..........................................................
[Print Name of Authorised Representative]

..........................................................
Date

Signed for and on behalf of Origin Energy Resources Limited (ACN 007 845 338)
by its authorised representative:

..........................................................
Signature of Authorised Representative

..........................................................
[Print Name of Authorised Representative]

..........................................................
Date

Signed for and on behalf of Delhi Petroleum Pty Ltd (ACN 007 854 688)
in accordance with section 127 of the Corporations Act 2000 (Cth):

..........................................................
Signature of Director

Rod Rayner
[Print Name of Director]

..........................................................
Date

..........................................................
Signature of Director/Secretary

CATHY OSTER
COMPANY SECRETAR
[Print Name of Director]
("delete the inapplicable")

..........................................................
Date
SCHEDULE 1

PETROLEUM PRODUCTION LICENCE

PPL 72

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°11'30"S AGD66 and longitude 140°52'30"E AGD66, thence east to longitude 140°54'10"E AGD66, south to latitude 28°12'00"S AGD66, east to longitude 140°55'50"E AGD66, south to latitude 28°13'10"S AGD66, west to longitude 140°55'40"E AGD66, south to latitude 28°13'40"S AGD66, west to longitude 140°55'20"E AGD66, south to latitude 28°14'00"S AGD66, west to longitude 140°54'00"E AGD66, north to latitude 28°13'40"S AGD66, west to longitude 140°53'40"E AGD66, north to latitude 28°12'50"S AGD66, west to longitude 140°52'30"E AGD66, and north to point of commencement.

AREA: 17.45 square kilometres approximately.
Note: There is no warranty that the boundary of this licence is correct in relation to other features of the map. The boundary is to be ascertained by reference to the Australian Geodetic datum (AGD66) and the schedule.

THE PLAN HEREINBEFORE REFERRED TO

PIRA-DILCHEE FIELD

PETROLEUM PRODUCTION LICENCE NO: 72

SR 28/1/185 AREA: 17.45 sq km (approx)
PETROLEUM PRODUCTION LICENCE PPL 72

DEED OF SUB-LICENCE

THIS DEED is made as of 7 March 2017...(date)

BETWEEN:

SANTOS LIMITED (ABN 80 007 550 923) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

VAMGAS PTY LTD (ABN 76 006 245 110) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

ALLIANCE PETROLEUM AUSTRALIA PTY LTD (ABN 60 004 559 951) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

REEF OIL PTY LTD (ABN 70 000 646 800) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

BRIDGE OIL DEVELOPMENTS PTY LIMITED (ABN 30 001 152 049) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

SANTOS PETROLEUM PTY LTD (ABN 95 000 146 369) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

SANTOS (BOL) PTY LTD (ABN 35 000 670 575) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

BASIN OIL PTY LTD (ABN 36 000 628 017) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

SANTOS (NARNI COOPER) PTY LTD (ABN 75 004 761 255) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

DELHI PETROLEUM PTY LTD (ABN 65 007 854 686) with its registered office at 25 Coneyham Street, Glenside in the State of South Australia; and

ORIGIN ENERGY RESOURCES LTD (ABN 66 007 845 338) with its registered office at Level 45, Australia Square, 264-278 George Street, Sydney, New South Wales,

in their capacity as participants in the Toolachee Joint Venture and as holders of PPL 72 (collectively "the Licensors")

OF THE ONE PART
AND

SANTOS LIMITED (ABN 80 007 550 923) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

VAMGAS PTY LTD (ABN 76 006 245 110) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

ALLIANCE PETROLEUM AUSTRALIA PTY LTD (ABN 60 004 559 951) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

REEF OIL PTY LTD (ABN 70 000 646 800) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide In the State of South Australia;

BRIDGE OIL DEVELOPMENTS PTY LIMITED (ABN 30 001 152 049) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

SANTOS PETROIL LTD (ABN 95 000 146 369) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

SANTOS (BOL) PTY LTD (ABN 35 000 670 575) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

BASIN OIL PTY LTD (ABN 36 000 628 017) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

SANTOS (NARNL COOPER) PTY LTD (ABN 75 004 761 255) with its registered office at Ground Floor, Santos Centre, 60 Flinders Street, Adelaide in the State of South Australia;

DELHI PETROLEUM PTY LTD (ABN 65 007 854 686) with its registered office at 25 Coryngham Street, Glenside in the State of South Australia;

ORIGIN ENERGY RESOURCES LTD (ABN 66 007 846 338) with its registered office at Level 45, Australia Square, 264-278 George Street, Sydney, New South Wales

in their capacity as several participants in the joint venture constituted by the SACB Unit Agreement dated 1 January 1975 (as amended) (collectively "the Licensees")

OF THE OTHER PART

WHEREAS

A. The Licensees are joint holders of Petroleum Production Licence PPL 72 ("the Petroleum Production Licence") granted by the Minister for Mineral Resources and Energy for the State of South Australia by way of renewal of the Petroleum Production Licence granted pursuant to the Petroleum Act 1940; and pursuant to the powers in the Petroleum and Geothermal Energy Act 2000 and the Cooper Basin (Ratification) Act 1975, over certain land in the State of South Australia as more particularly described in Schedule 1 of the Petroleum Production Licence.

B. The Licensees are parties to an agreement made as of the 1st day of January 1975 known as the South Australian Cooper Basin Unit Agreement (hereinafter and as the same may be amended from time to time referred to as "the Unit Agreement") relating inter alia to the development and production of petroleum from that subsurface portion of the area comprised in the Petroleum Production Licence as the same is more particularly described in the Schedule hereto.
C. The Licensor have previously granted a sub-licence to the Licensees and in accordance with that sub-licence on renewal of the Petroleum Production Licence are required to grant a renewal of the sub-licence to the Licensees.

D. The Licensor, with the consent of the Minister for Mineral Resources and Energy of the State of South Australia, have agreed to grant, and the Licensees have agreed to accept, renewal of a sub-licence to exercise the rights specified in Clause 1 of this Deed upon the conditions specified in Clauses 2, 3, 4 and 5 of this Deed.

NOW THIS DEED WITNESSES as follows:

1. The Licensor, with the consent of the Minister for Mineral Resources and Energy of the State of South Australia hereby grant to each of the Licensees severally the exclusive right commencing and inclusive from [1 January 2014] (date) for the duration of the Petroleum Production Licence, subject to the provisions of this Deed of Sub-licence to:-

   (a) conduct in such portion of the area comprised in the Petroleum Production Licence as is more particularly described in the Schedule hereto (herein after referred to as "the Unitized Zone") all such operations as the Licensees are entitled to conduct thereon from time to time pursuant to the Petroleum Production Licence and subject to Clause 2 hereof to own all petroleum extracted or released therefrom; and

   (b) construct and maintain upon the land comprised in the Petroleum Production Licence all such facilities as the Licensees are entitled to construct and maintain thereon pursuant to the Petroleum Production Licence or the Cooper Basin (Ratification) Act 1975 of the State of South Australia (or both) and as are necessary from time to time for the full enjoyment of the rights granted pursuant to Clause 1(a) hereof.

2. Each of the Licensees hereby expressly acknowledges, covenants and agrees with the Licensor and with each of the other Licensees that in the exercise of exclusive rights granted pursuant to Clause 1 hereof each Licensee shall at all times act subject to and in accordance with the provisions of the Unit Agreement (and in particular to the provisions of Clause 13.01 thereof which refers to an overriding royalty in favour of Santos) and that all such rights shall entitle each Licensee to extract or release from the Unitized Zone so much of the petroleum within the Unitized Zone as such Licensee is entitled to from time to time in accordance with the provisions of the Unit Agreement and the Fixed Factor Settlement Agreement made between the Licensees on 5 December 1986.

3. The Licensees hereby jointly and severally covenant with the Licensees that they will make payment in accordance with the Unit Agreement of the royalty referred to in the Cooper Basin (Ratification) Act 1975 in respect of the production referred to in Clause 2 hereof and will subject as aforesaid comply with the provisions of the Petroleum and Geothermal Energy Act 2000 and the Cooper Basin (Ratification) Act 1975 and amendments thereto and with all Regulations for the time being in force under those Acts and with any directions given by the Minister, the Executive Director of Energy Resources Division or any other person pursuant to those Acts or Regulations and the Licensees hereby further jointly and severally covenant with the Licensees not to do any act or thing or make any omission which would cause the Licensees to be in breach or default of the provisions of the Petroleum Production Licence or of the provisions of the Petroleum and Geothermal Energy Act 2000 or the Cooper Basin (Ratification) Act 1975 and amendments thereto, or of any Regulation for the time being in force under those Acts or with any direction given by the Minister, the Executive Director of the Energy Resources Division of the Department of State Development or any other person pursuant to those Acts or Regulations.
4. Subject to the due compliance by the Licensees with their obligations under this Deed of Sub-Licence the Licensor hereby covenant with the Licensees to perform the covenants and obligations on the part of the Licensor contained in the Petroleum Production Licence.

5. The rights of the Licensees or any of them granted pursuant to the foregoing provisions of this Deed of Sub-Licence shall not be sold, assigned, transferred, leased, sub-let, mortgaged, pledged, charged, encumbered or otherwise disposed of other than subject to and in accordance with the provisions of Article XV of the Unit Agreement and subject to the Petroleum and Geothermal Energy Act 2000 and Clause 14.2 of the Indenture annexed to the Cooper Basin (Ratification) Act 1975.
THE SCHEDULE

DEED OF SUB-LICENCE

(Description of Unitized Zones)

PPL 72

PIRA AND DILCHEE FIELDS

The stratigraphic unit named as the Pira Field, Toolachee Formation in the First Schedule to the Unit Agreement and being as more particularly described therein together with all lateral extensions to such stratigraphic unit as may from time to time become subject to the Unit Agreement and which underlie the area described in the said Petroleum Production Licence.

The stratigraphic unit named as the Dilchee Field, Unit "P1" Patchawarra Formation in the First Schedule to the Unit Agreement and being as more particularly described therein together with all lateral extensions to such stratigraphic unit as may from time to time become subject to the Unit Agreement and which underlie the area described in the said Petroleum Production Licence.

The stratigraphic unit named as the Pira Field, Unit "P1" Patchawarra Formation in the First Schedule to the Unit Agreement and being as more particularly described therein together with all lateral extensions to such stratigraphic unit as may from time to time become subject to the Unit Agreement and which underlie the area described in the said Petroleum Production Licence. The stratigraphic unit named as the Dilchee Field, Unit "P2" Patchawarra Formation in the First Schedule to the Unit Agreement and being as more particularly described therein together with all lateral extensions to such stratigraphic unit as may from time to time become subject to the Unit Agreement and which underlie the area described in the said Petroleum Production Licence.

The stratigraphic unit named as the Pira Field, Unit "P2" Patchawarra Formation in the First Schedule to the Unit Agreement and being as more particularly described therein together with all lateral extensions to such stratigraphic unit as may from time to time become subject to the Unit Agreement and which underlie the area described in the said Petroleum Production Licence.

The stratigraphic unit named as the Pira Field, Daralingie Formation in the First Schedule to the Unit Agreement and being as more particularly described therein together with all lateral extensions to such stratigraphic unit as may from time to time become subject to the Unit Agreement and which underlie the area described in the said Petroleum Production Licence.

Such additional stratigraphic units as have become or may from time to time become subject to the Unit Agreement and which underlie the area described in the said Petroleum Production Licence together with all lateral extensions to those stratigraphic units.
IN WITNESS WHEREOF the Parties hereto sign, seal and deliver the foregoing presents and have hereunto set their respective hands and seals as of [Date].

Signed for and on behalf of:
Santos Limited (ACN 007 550 923)
Vergas Pty Ltd (ACN 006 245 110)
Alliance Petroleum Australia Pty Ltd (ACN 004 559 951)
Reef Oil Pty Ltd (ACN 000 646 800)
Santos Petroleum Pty Ltd (ACN 000 145 369)
Bridge Oil Developments Pty Ltd (ACN 001 152 049)
Santos (BOL) Pty Ltd (ACN 000 670 575)
Basin Oil Pty Ltd (ACN 000 628 017)
Santos (NARNL Cooper) Pty Ltd (ACN 004 761 255)

by its authorised representative:

[Signature of Authorised Representative]
David Lim

by its duly appointed Attorney in the presence of:

[Signature of Attorney]
Laura Sterling

Signed for and on behalf of Origin Energy Resources Limited (ACN 007 845 338) by its authorised representative:

[Signature of Authorised Representative]

Signed for and on behalf of Delhi Petroleum Pty Ltd (ACN 007 854 686) in accordance with section 127 of the Corporations Act 2001 (Cth):

[Signature of Director]
[Signature of Director/Secretary*]

[Print Name of Director]
[Print Name of Director]
("delete the inapplicable")
IN WITNESS WHEREOF the Parties hereto sign, seal and deliver the foregoing presents and have hereunto set their respective hands and seals as of 7 March 2017 (Date).

Signed for and on behalf of:

Santos Limited (ACN 007 550 923)
Vamgas Pty Ltd (ACN 006 245 110)
Alliance Petroleum Australia Pty Ltd (ACN 004 559 951)
Reef Oil Pty Ltd (ACN 000 646 800)
Santos Petroleum Pty Ltd (ACN 000 146 369)
Bridge Oil Developments Pty Ltd (ACN 001 152 049)
Santos (BOL) Pty Ltd (ACN 000 670 575)
Basin Oil Pty Ltd (ACN 000 628 017)
Santos (NARNL Cooper) Pty Ltd (ACN 004 761 255)

by its authorised representative:

---------------------------------------------------
Signature of Authorised Representative

---------------------------------------------------
[Print Name of Authorised Representative]

Signed for and on behalf of Origin Energy Resources Limited (ACN 007 845 338) in accordance with section 127 of the Corporations Act 2000 (Cth):

[Signature]
GARY J. MALLETT
[Print Name of Director]

[Signature]
HELEN HARDY
[Name of Secretary]

Signed for and on behalf of Delhi Petroleum Pty Ltd (ACN 007 854 686) in accordance with section 127 of the Corporations Act 2000 (Cth):

[Signature]
Signature of Director/Secretary*

[Print Name of Director]
[Print Name of Director]
(*delete the inapplicable)
IN WITNESS WHEREOF the Parties hereto sign, seal and deliver the foregoing presents and have hereunto set their respective hands and seals as of March 2017 (Date).

Signed for and on behalf of:

Santos Limited (ACN 007 550 923)
Vamgas Pty Ltd (ACN 006 245 110)
Alliance Petroleum Australia Pty Ltd (ACN 004 559 951)
Reef Oil Pty Ltd (ACN 000 646 800)
Santos Petroleum Pty Ltd (ACN 000 146 369)
Bridge Oil Developments Pty Ltd (ACN 001 152 049)
Santos (BOL) Pty Ltd (ACN 000 870 575)
Basin Oil Pty Ltd (ACN 000 628 017)
Santos (NARNL Coopper) Pty Ltd (ACN 004 761 255)

by its authorised representative:

..............................................................
Signature of Authorised Representative

..............................................................
[Print Name of Authorised Representative]

Signed for and on behalf of Origin Energy Resources Limited (ACN 007 845 338)
by its authorised representative:

..............................................................
Signature of Authorised Representative

..............................................................
[Print Name of Authorised Representative]

Signed for and on behalf of Delhi Petroleum Pty Ltd (ACN 007 854 686)
in accordance with section 127 of the Corporations Act 2000 (Cth):

..............................................................
Signature of Director

..............................................................
Signature of Director/Secretary*

..............................................................
Matt Kay
Director

..............................................................
CATHY OSTER
COMPANY SECRETAR'

..............................................................
[Print Name of Director]

..............................................................
[Print Name of Director]

(*delete the inapplicable)
MEMORANDUM

PETROLEUM PRODUCTION LICENCES
PPLs 41, 51, 55, 56, 60, 61, 63, 64, 65, 66, 67, 68, 69,
70, 72, 73, 74, 75, 76, 77, 78, 79, 80 and 83

1. Notation of an extension of time to 3 February 2017 by which the licensees
must accept the offer for renewal of Petroleum Production Licences PPLs
41, 51, 55, 56, 60, 61, 63, 64, 65, 66, 67, 68, 69, 70, 72, 73, 74, 75, 76, 77,
78, 79, 80 and 83 is hereby entered on the public register.

BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of State Development
Delegate of the Minister for Mineral Resources and Energy

Date: 20 January 2017

File: Various
MEMORANDUM

PETROLEUM PRODUCTION LICENCES
PPLs 12, 13, 14, 23, 24, 58, 72, 74, 79, 92, 116, 163, 228, 231 and 232

1. Notation of the Grant of Associated Activities Licence AAL 233 (adjunct to PPLs 12, 13, 14, 23, 24, 58, 72, 74, 79, 92, 116, 163, 228, 231 and 232 is hereby entered on the public register.

BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of State Development
Delegate of the Minister for Mineral Resources and Energy

Date: 5 November 2015

File: F2015/000530
MEMORANDUM

PETROLEUM PRODUCTION LICENCES

SA 2012-42  Notation of registrable dealing as evidenced by Royalty Deed dated 19 January 2012 between Delhi Petroleum Pty Ltd and Esso Australia Resources Pty Ltd is hereby entered on the public register.

BARRY A. GOLDSFEN
Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minister for Mineral Resources and Energy

Date: 28 June 2012

Ref: various files
MEMORANDUM

PETROLEUM PRODUCTION LICENCES

and

PIPELINE LICENCES
PLs 2, 5, 9 and 15

SA 2011–15 Notation of registrable dealing as evidenced by Delhi Fixed and Floating Charge and Mortgage of JV Assets dated 29 September 2010 between Delhi Petroleum Pty Limited and Westpac Banking Corporation is hereby entered on the public register.

BARRY A. GOLDSTEIN
Director Petroleum and Geothermal Minerals and Energy Resources
Primary Industries and Resources SA
Delegate of the Minister for Mineral Resources Development

Date: 15 February 2011
MEMORANDUM


1. Notation of change of company name –

From: Santos (NARNL Cooper) NL
To: Santos (NARNL Cooper) Pty Ltd

is hereby entered on the public register of licences.

[Signature]

C. D. COCKSHELL
A/ Director Petroleum and Geothermal Minerals and Energy Resources Primary Industries and Resources SA Delegate of the Minister for Mineral Resources Development

Date: 9 May 2006

File: 27/2/4
Certificate of Registration on Change of Type and Conversion to a Proprietary Company

This is to certify that

SANTOS (NARNL COOPER) NL

Australian Company Number 004 761 255

on the first day of December 2005 converted to a company limited by shares and on the first day of December 2005 changed to a proprietary company.

The name of the company is now

SANTOS (NARNL COOPER) PTY LTD

Australian Company Number 004 761 255

The company is taken to be registered under the Corporations Act 2001 in Victoria and the date of commencement of registration is the twenty-first day of February, 1969.

Issued by the Australian Securities and Investments Commission on this first day of December, 2005.

Jeffrey Lucy
Chairman
Petroleum Act 2000
S.115

MEMORANDUM


1. Notation of change of company name –

   From: Novus Australia Resources NL
   To: Santos (NARNL Cooper) NL

   is hereby entered on the public register of licences.

   

   [Signature]

   BARRY A. GOLDSTEIN
   Director Petroleum
   Minerals and Energy Resources
   Primary Industries and Resources SA
   Delegate of the Minister for Mineral Resources
   Development

Date: 13 January 2006

File: 27/2/4
Certificate of Registration on Change of Name

This is to certify that

NOVUS AUSTRALIA RESOURCES NL
Australian Company Number 004 761 255
did on the twenty-ninth day of June 2005 change its name to

SANTOS (NARNL COOPER) NL
Australian Company Number 004 761 255
The company is a public company.
The company is a no liability company.
The company is taken to be registered under the Corporations Act 2001 in Victoria and the date of commencement of registration is the twenty-first day of February, 1969.

Issued by the
Australian Securities and Investments Commission on this twenty-ninth day of June, 2005.

Jeffrey Lucy
Chairman
MEMORANDUM


and

PIPELINE LICENCES (PLs) 2, 5, 9 and 15

1. Notation of receipt of Bank Guarantee dated 27 October 2005, is hereby entered on the commercial register.

2. Security is held to cover any event occurring in any licence operated by Santos Limited on behalf of the respective Cooper Basin Joint Ventures in South Australia.

3. Cash security held in respect of PPL 152 is hereby discharged to Santos Limited.

4. Bank Guarantees held in respect of the above referenced PLs and PPLs (excluding PPL 152) are hereby discharged to Santos Limited.

[Signature]

BARRY A GOLDSTEIN
Director Petroleum
Minerals and Energy Division
Primary Industries and Resources SA
Delegate of the Minister for Mineral Resources
Development

Date: 23 November 2005
MEMORANDUM


PIPELINE LICENCES 2, 5, 9 AND 15

1. Notation of registrable dealing as evidenced by the following document is hereby entered on the Public Register;


Paul Holloway  
Leader of the Government in the Legislative Council  
Minister for Industry, Trade and Regional Development  
Minister for Mineral Resources Development  
Minister for Small Business

Date: 23/7/04
MEMORANDUM


1 Pursuant to sections 115(2)(e) and 117(2)(b) of the Petroleum Act 2000, notation is hereby entered on the public and commercial register for each of the abovementioned PPLs, that the register created under the then Petroleum Act 1940, relative to Petroleum Exploration Licences 5 and 6, which expired on 27 February 1999, is adopted as part of the commercial register for each of the above said PPLs.

Dated: 7 May 2004

T. AUST
A/Director Petroleum
Minerals and Energy Division
Primary Industries and Resources SA
Delegate of the Minister for Mineral Resources Development
MEMORANDUM

PETROLEUM PRODUCTION LICENCES

And

PIPELINE LICENCE
PL 2

1. Notation of change of company name –

   From: Basin Oil NL
   To:   Basin Oil Pty Ltd

is hereby entered on the public register of licences.

BARRY A GOLDSTEIN
Director Petroleum
Office of Minerals and Energy Resources
Delegate of the Minister for Mineral Resources
Development

Date: 15 October 2002
Certificate of Registration on Change of Type and Conversion to a Proprietary Company

This is to certify that

BASIN OIL N.L.
Australian Company Number 000 628 017

on the eighth day of June 2000 converted to a company limited by shares and on the eighth day of June 2000 changed to a proprietary company.

The name of the company is now

BASIN OIL PTY LTD
Australian Company Number 000 628 017

The company is taken to be registered as a company under the Corporations Law of New South Wales.

Issued by the Australian Securities and Investments Commission on this eighth day of June, 2000.

Alan Cameron
Chairman

FREEHILL HOLLINGDALE & PAGE
AMP BUILDING
22nd Fl
140 ST George Terrace
PERTH WA 6000
MEMORANDUM

PETROLEUM ACT 1940

SECTION 44

PETROLEUM EXPLORATION LICENCES NOS. 27, 32, 57, 66 AND 72
PETROLEUM PRODUCTION LICENCES NOS. 6 TO 20, 22 TO 61 AND 63 TO 168
PIPELINE LICENCES 2, 5, 9 AND 10

Receipt of the following document is hereby entered onto the Petroleum Register.

- Certificate of Registration on Change of Name dated 24 February 2000. Boral Energy Resources Ltd is now known as Origin Energy Resources Ltd.

J S ZABROWARNY
MANAGER PETROLEUM LICENSING AND ROYALTIES

13 March 2000
Certificate of Registration on Change of Name

This is to certify that

BORAL ENERGY RESOURCES LIMITED
Australian Company Number 007 845 338

did on the twenty-fourth day of February 2000 change its name to

ORIGIN ENERGY RESOURCES LIMITED
Australian Company Number 007 845 338

The company is a public company.
The company is limited by shares.
The company is taken to be registered as a company under the Corporations Law of South Australia.

Issued by the
Australian Securities and Investments Commission
on this twenty-fourth day of February, 2000.

Alan Cameron
Chairman
MEMORANDUM

Section 44, Petroleum Act 1940

PETROLEUM PRODUCTION LICENCES 6 to 20, 22 to 61, 63 to 140, 142 to 167

PIPELINE LICENCE No. 2

Receipt of the following document is hereby entered onto the Petroleum Register.

• Certificate of Registration on Change of Name dated 6 October 1999. Gulf (Aust) Resources NL is now known as Novus Australia Resources NL.

J S Zabrowarny
Manager, Petroleum Licensing and Royalties

10 December 1999
Certificate of Registration on Change of Name

This is to certify that

GULF (AUST) RESOURCES N.L.
Australian Company Number 004 761 255
did on the sixth day of October 1999 change its name to

NOVUS AUSTRALIA RESOURCES N.L.
Australian Company Number 004 761 255

The company is a public company.
The company is a no liability company.
The company is taken to be registered as a company under the Corporations Law of Victoria.

Issued by the Australian Securities and Investments Commission on this sixth day of October, 1999.

Alan Cameron
MEMORANDUM

PETROLEUM ACT 1940
SECTION 44

PEL 5 & 6
All Farmout Areas

PPLs 6 to 20, 22 to 61 and 63 to 84, PL 2

Receipt of the following document is hereby entered onto the Petroleum Register:

- Certificate of Registration on Change of Name dated 12 June 1997.

Crusader Resources NL is now known as Gulf (Aust) Resources NL.

M COLELLA
A/Manager, Petroleum Administration

30/6/197
Certificate of Registration on Change of Name

Corporations Law Sub-section 171 (12)

This is to certify that

CRUSADER RESOURCES N.L.

Australian Company Number 004 761 255
did on the twelfth day of June 1997 change its name to

GULF (AUST) RESOURCES N.L.

Australian Company Number 004 761 255

The company is a public company.

The company is a no liability company.

The company is taken to be registered as a company under the Corporations Law of Victoria.

Given under the seal of the Australian Securities Commission on this twelfth day of June, 1997.

Alan Cameron
Chairman
MEMORANDUM

PETROLEUM EXPLORATION LICENCE NO 5 & 6

FARMOOUT AREAS AND PETROLEUM PRODUCTION LICENCES

This memorandum will confirm that on 17 January 1997 I approved the lodgement of the following documents onto the Petroleum Register which confirms the approved provisions as contained in the Minister for Mines' letter dated 20 December 1996.

- Deed of Assignment and Transfer dated 20 December 1996 between Santos Ltd (Santos), Delhi Petroleum Pty Ltd (Delhi), Santos Petroleum Pty Ltd (Santos Petroleum), Boral Energy Resources Ltd (Boral), Vamgas Pty Ltd (Vamgas), Bridge Oil Developments Pty Ltd (BOD), Santos (BOL) Pty Ltd (BOL), Reef Oil Pty Ltd (Reef), Alliance Petroleum Australia Pty Ltd (Alliance), Basin Oil NL (Basin) and Crusader Resources NL (Crusader).

- New JOA Cross Charge dated 20 December 1996 between Santos, Delhi, Santos Petroleum, Boral, Vamgas, Crusader, BOD, BOL, Reef, Alliance and Basin.

- Deed of Amendment Unit Cross Charge dated 20 December 1996 between Santos, Delhi, Santos Petroleum, Boral, Vamgas, Crusader, BOD, BOL, Reef, Alliance and Basin.

- Deed of Amendment Downstream Cross Charge dated 20 December 1996 between Santos, Delhi, Santos Petroleum, Boral, Vamgas, Crusader, BOD, BOL, Reef, Alliance and Basin.

Interests in the following areas and licences are now as follows and effective from 1 January 1992.

<table>
<thead>
<tr>
<th>Farmout Areas</th>
<th>PPLs</th>
<th>Licensees</th>
<th>Interests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patchawarra</td>
<td>6 to</td>
<td>Santos</td>
<td>40.70</td>
</tr>
<tr>
<td>Central</td>
<td>20</td>
<td>Vamgas</td>
<td>8.51</td>
</tr>
<tr>
<td>Merrimelia</td>
<td>22 to</td>
<td>Alliance</td>
<td>3.97</td>
</tr>
<tr>
<td>Innamincka</td>
<td>25</td>
<td>Reef</td>
<td>1.97</td>
</tr>
<tr>
<td>Murtu</td>
<td>27 to</td>
<td>Santos Petroleum</td>
<td>0.40</td>
</tr>
<tr>
<td>Tingga-Tingana</td>
<td>61</td>
<td>BOD</td>
<td>3.99</td>
</tr>
<tr>
<td>Patchawarra</td>
<td>63 to</td>
<td>BOL</td>
<td>0.21</td>
</tr>
<tr>
<td>South West</td>
<td>75</td>
<td>Boral</td>
<td>13.19</td>
</tr>
<tr>
<td>Nappacoongee</td>
<td>78 to</td>
<td>Delhi</td>
<td>20.21</td>
</tr>
<tr>
<td>Murteree</td>
<td>83</td>
<td>Basin</td>
<td>2.10</td>
</tr>
<tr>
<td>Lake Hope</td>
<td></td>
<td>Crusader</td>
<td>4.75</td>
</tr>
<tr>
<td>Moomba</td>
<td></td>
<td></td>
<td>100.00</td>
</tr>
<tr>
<td>Toolachee</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Haddon</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clifton</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kooniberra</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

R A LAWS
DIRECTOR, PETROLEUM DIVISION
Delegate of the Minister for Mines
MEMORANDUM

Petroleum Exploration Licences 32 and 40

Petroleum Exploration Licence 5 and 6.

Petroleum Production Licences Nos 6 to 20, 22 to 72

All PEL 5 and 6 Farmout Areas

Pipeline Licences 2 and 5

Receipt of a Certificate of Registration on Change of Name dated 1 September 1995 is hereby entered on the Petroleum Register.

SAGASCO Resources Ltd has changed its name to Boral Energy Resources Ltd.

J S Zabrowansky
MANAGER PETROLEUM ADMINISTRATION

5 September 1995
Certificate of Registration on Change of Name

Corporations Law Sub-section 171 (12)

This is to certify that

SAGASCO RESOURCES LIMITED

Australian Company Number 007 845 338

did on the first day of September 1995 change its name to

BORAL ENERGY RESOURCES LIMITED

Australian Company Number 007 845 338

The company is a public company.

The company is limited by shares.

The company is taken to be registered as a company under the Corporations Law of South Australia.

Given under the seal of the
Australian Securities Commission
on this first day of September, 1995.

Alan Cameron
Chairman
MEMORANDUM

PETROLEUM EXPLORATION LICENCES 5 AND 6

All Farmout Areas

Petroleum Production Licences 6 to 20, 22 to 61, 63 to 72

Receipt of a Certificate of Registration on Conversion to a Proprietary Company is hereby entered on the Petroleum Register.

Vamgas Ltd is now Vamgas Pty Ltd.

J.S. Zabrowarny
MANAGER PETROLEUM ADMINISTRATION

24/1/95
Certificate of Registration on Conversion to a Proprietary Company
Corporations Law Sub-section 168 (3)

This is to certify that

VAMGAS LTD.
Australian Company Number 006 245 110
on the nineteenth day of January 1995 converted to a proprietary company.
The name of the company is now

VAMGAS PTY LTD
Australian Company Number 006 245 110
The company is taken to be registered as a company under the Corporations Law of Victoria.

Given under the seal of the Australian Securities Commission on this nineteenth day of January, 1995.

Alan Cameron
Chairman
MEMORANDUM

Petroleum Exploration Licence's 5 and 6
Petroleum Production Licence's 6 to 20, 22 to 61, 63 to 72
Pipeline Licence No. 2

Crusader Resources NL
Westpac Banking Corporation

Receipt of the following document is hereby entered on the Petroleum Register pursuant to delegated powers dated 3 December 1993, Gazetted 9 December 1993 page 2916:

-Deed of Variation of Charge dated 17 May 1994 entered onto by Crusader Resources NL and Westpac Banking Corporation.

This Memorandum is an adjunct to Memorandum dated 10 May 1991 in respect of Fixed and Floating Charge dated 25 August 1989 and Deed of Variation of Charge dated 5 November 1990.

[Signature]

R A LAWS
DIRECTOR, OIL, GAS & COAL DIVISION
DELEGATE OF THE MINISTER FOR MINES & ENERGY

[Date]
MEMORANDUM

PELs 5 and 6

Farmout Areas and Petroleum Production Licences 6 to 20, 22 to 61 and 63 to 72.

This Memorandum will confirm that on 15th April 1994 I acknowledged receipt of the following documentation pursuant to delegated powers dated 3 December 1993, Gazetted 9 December 1993, page 2916:


(2) JOA Cross Charge 50/40/10 JOA dated 9 March 1994 between Crusader Resources NL, Santos Ltd, Delhi Petroleum Pty Ltd, Sagasco Resources Ltd and Vamgas Ltd.

(3) JOA Cross Charge Merrimelia-Inamincka JOA dated 9 March 1994 between Crusader Resources NL, Santos Ltd, Alliance Petroleum Australia NL, Delhi Petroleum Pty Ltd, Sagasco Resources Ltd and Vamgas Ltd.

(4) Covenant and Acknowledgment from Santos Ltd and Crusader Resources NL to Basin Oil NL dated 8 March 1994.

The above documents are as an adjunct to the transfer as contained in the Deed of Assignment and Transfer dated 20 December 1003 between Santos Ltd and Crusader Resources NL which was approved on 17 March 1994 and do not require further approval pursuant to the Petroleum Act, 1940.

A copy of each of the abovementioned documents has been retained on the Petroleum Register.

R A LAWS
DIRECTOR, OIL GAS AND COAL
Delegate of the Minister for Mines and Energy
MEMORANDUM

Petroleum Exploration Licences 5 and 6

Farmout Areas and Petroleum production Licences

This memorandum will confirm that on 17th March 1994 I consented to the transfer as contained in the following documentation in relation to the following areas pursuant to delegated powers dated 3 December 1993, Gazetted 9 December 1993, page 2916.

- Deed of Assignment and Transfer dated 20 December 1993 between Santos Ltd and Crusader Resources N.L.

The Assignment and Transfer can take effect as from 1 January 1992 as provided by the abovementioned document.

Interests in the following areas and licences are now as follows.

<table>
<thead>
<tr>
<th>Farmout Area</th>
<th>PPL</th>
<th>LICENCEES</th>
<th>FORMER INTERESTS</th>
<th>REVISED INTERESTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moomba</td>
<td>6-7-8-9</td>
<td>Santos Ltd (Santos)</td>
<td>50.0</td>
<td>45.25</td>
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<td>Delhi Petroleum Pty Ltd(Delhi)</td>
<td>30.0</td>
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<td>Vamgas Ltd (Vamgas)</td>
<td>10.0</td>
<td>10.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sagasco Resources Ltd (SAGASCO)</td>
<td>10.0</td>
<td>10.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Crusader Resources NL (Crusader)</td>
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<td>Crusader</td>
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<td>4.75</td>
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</tbody>
</table>

This Memorandum is hereby entered on the Petroleum Register.

R A LAWS  
DIRECTOR, OIL, GAS & COAL DIVISION  
Delegate of the Minister for Mines and Energy
GRANT OF PETROLEUM PRODUCTION LICENCE
Department of Mines and Energy, Parkside, 10 May 1993

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

F. T. BLEVINS, Minister of Mineral Resources

<table>
<thead>
<tr>
<th>No. of Licence</th>
<th>Licensees</th>
<th>Locality</th>
<th>Date of Expiry</th>
<th>Area in km²</th>
<th>Reference</th>
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<td>56</td>
<td>SANTOS Ltd</td>
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</table>

DESCRIPTION OF AREA
All that part of the State of South Australia bounded as follows: commencing at a point being the intersection of latitude 22°45'00"S and longitude 140°01'20"E, thence east to longitude 140°02'52"E, south to latitude 27°46'00"S, west to longitude 140°01'50"E, north to latitude 27°45'50"S, west to longitude 140°01'50"E, north to latitude 27°45'40"E, west to longitude 140°01'40"E, north to latitude 27°45'20"S, west to longitude 140°01'20"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 PRODUCTION LICENCE
Department of Mines and Energy, Parkside, 10 May 1993

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

F. T. BLEVINS, Minister of Mineral Resources

<table>
<thead>
<tr>
<th>No. of Licence</th>
<th>Licensees</th>
<th>Locality</th>
<th>Date of Expiry</th>
<th>Area in km²</th>
<th>Reference</th>
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<td>SAGASCO Resources Ltd</td>
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<td></td>
<td>Vangas Ltd</td>
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</tbody>
</table>

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°13'10"S and longitude 140°57'50"E, thence east to longitude 140°59'10"E, south to latitude 28°13'30"S, east to longitude 140°59'30"E, south to latitude 28°16'10"S, west to longitude 140°58'10"E, north to latitude 28°15'20"S, west to longitude 140°58'00"E, north to latitude 28°15'00"S, west to longitude 140°57'40"E, north to latitude 28°14'40"S, west to longitude 140°57'20"E, north to latitude 28°13'30"S, east to longitude 140°57'50"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.

GRANT OF PETROLEUM PRODUCTION LICENCE
Department of Mines and Energy, Parkside, 10 May 1993

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

F. T. BLEVINS, Minister of Mineral Resources

<table>
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<tr>
<th>No. of Licence</th>
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<th>Area in km²</th>
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<td></td>
<td>Vangas Ltd</td>
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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°11'30"S and longitude 140°52'30"E, thence east to longitude 140°54'10"E, south to latitude 28°12'00"S, east to longitude 140°55'30"E, south to latitude 28°13'10"S, west to longitude 140°55'40"E, south to latitude 28°14'00"S, west to longitude 140°54'00"E, north to latitude 28°13'40"S, west to longitude 140°53'40"E, north to latitude 28°12'50"S, west to longitude 140°52'30"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.
MEMORANDUM

PETROLEUM PRODUCTION LICENCE NO 72
DILCHEE/PIRA FIELD

1. This licence granted on 10/5/93 is hereby entered on the Petroleum Register.

2. A security in the form of a $15 000 bank guarantee has been lodged with respect to this licence.

3. Interests in the licence area are as follows:

   %

   • Santos Ltd 50
   • Delhi Petroleum Pty Ltd 30
   • SAGASCO Resources Ltd 10
   • Vangas Ltd 10

FRANK BLEVINS MP
MINISTER OF MINERAL RESOURCES

10/5/93
SOUTH AUSTRALIA - PETROLEUM ACT 1940

AND

COOPER BASIN (RATIFICATION) ACT 1975

Petroleum Production Licence Number 72

I, FRANK TREvor BLEvINS, Minister of Mineral Resources in and for the State of South Australia pursuant to the Petroleum Act, 1940 and the Cooper Basin (Ratification) Act, 1975 and all other enabling powers HEREBY GRANT JOINTLY to SANTOS LIMITED A.C.N. 007 550 923 of 39 Grenfell Street, Adelaide, South Australia, DELHI PETROLEUM PTY. LTD. A.C.N. 007 854 686 of c/- Esso Australia Ltd., Level 34, 360 Elizabeth Street, Melbourne, Victoria, SAGASCO RESOURCES LIMITED A.C.N. 007 845 338 of 60 Hindmarsh Square, Adelaide, South Australia, and VAMGAS LTD. A.C.N. 006 245 110 of 39 Grenfell Street, Adelaide, South Australia, a Petroleum Production Licence in respect of the areas described hereunder:-

COMMISSIONER or STAMPS

DESCRIPTION OF THE AREA

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

Commencing at a point being the intersection of latitude 28°11'30"S and longitude 140°52'30"E, thence east to longitude 140°54'10"E, south to latitude 28°12'00"S, east to longitude 140°55'50"E, south to latitude 28°13'10"S, west to longitude 140°55'40"E, south to latitude 28°13'40"S, west to longitude 140°55'20"E, south to latitude 28°14'00"S, west to longitude 140°54'00"E, north to latitude 28°13'40"S, west to longitude 140°53'40"E, north to latitude 28°12'50"S, west to longitude 140°52'30"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.

TERMS AND CONDITIONS

1. The term of this licence is twenty-one (21) years commencing on and inclusive of the First day of January 1993 with the right, subject to carrying out adequately the obligations of the licence, to renewal from time to time on the same terms and conditions for further terms of twenty-one (21) years.

2. The licensee hereby convenant with the Minister that they will make payment of the yearly rent provided under the Petroleum Act, 1940 and of the royalty referred to in the Cooper Basin (Ratification) Act, 1975 and will subject to the provisions of the Cooper Basin (Ratification) Act, 1975 comply with the provisions of the Petroleum Act, 1940 and with all Regulations for the time being in force under that Act and with any directions given by the Minister the Director-General of Mines and Energy or any other person pursuant to that Act or the said Regulations.

3. The Minister hereby gives and recorde his consent to the grant by the licensees of five (5) Sub-Licences pursuant to the provisions of the Cooper Basin (Ratification) Act, 1975 in the form of or to the effect set out in the Schedule hereto.

4. It is hereby acknowledged and agreed that the licensees own and hold the following undivided interests respectively in and under this licence:-

F05087.MC
Santos: Fifty per centum (50%)
Delhi: Thirty per centum (30%)
SAGASCO: Ten per centum (10%)
Vangas: Ten per centum (10%)

PROVIDED that nothing in this Clause contained shall in any way affect or derogate from the rights, duties and liabilities of the licensees (as determined pursuant to the Indenture as defined in the Cooper Basin (Ratification) Act, 1975 and the Petroleum Act, 1940) to the Minister under this licence AND PROVIDED FURTHER that as between the licensees the undivided interests so owned and held by the licensees shall be subject to the provisions of a Joint Operating Agreement dated the 28th day of June, 1973 to which the licensees are parties and as the same has been amended and as may hereafter be amended from time to time.

SIGNED, SEALED AND DELIVERED by the said Minister of Mineral Resources at

ADELAIDE this 10 day of MAY 1993.

[Signature]
MINISTER OF MINERAL RESOURCES

SIGNED, SEALED AND DELIVERED by the said Licensees at Adelaide

this 23rd day of April 1993.

Executed on behalf of
SANTOS LIMITED by being
Signed, Sealed and Delivered
by its duly authorised
Attorney under Power of
Attorney who hereby states
that he has received no
notice of revocation of the
Power of Attorney effecting
such appointment, in the
presence of

(WITNESS)

[Signature]
JOHN BRYAN FITZGERALD
SIGNED, SEALED AND DELIVERED
for and on behalf of DELHI PETROLEUM PTY. LTD. by
JAN WILLIAM ANGUS
its duly authorised Attorney
under Power of Attorney
dated the 12th day of FEBRUARY
1993, who hereby states that
he has no notice of revocation
of the said Power of Attorney
at the time of executing this
instrument in the presence of:

[Signature]
(WITNESS)

DELI PETROLEUM PTY. LTD.
BY ITS ATTORNEY

[Signature]
JAN WILLIAM ANGUS
Delhi Petroleum Pty Ltd by its Attorney

THE COMMON SEAL of SAGASCO
RESOURCES LIMITED was )
hereunto affixed in the )
presence of: )

[Signature]
(DIRECTOR)

(SECRETARY)

Executed on behalf of
VAMGAS LTD, by being )
Signed, Sealed and Delivered )
by its duly authorised )
Attorney under Power of )
Attorney who hereby states )
that he has received no )
notice of revocation of the )
Power of Attorney effecting )
such appointment, in the )
presence of:

[Signature]
(WITNESS)

JOHN BRYAN FITZGERALD
All within latitudes and longitudes are geodetic and expressed in terms of the Australian Geodetic Datum as defined on p.4884 of Commonwealth Gazette number 84 dated October 6, 1966.

SANTOS LIMITED  DELHI PETROLEUM PTY. LTD.
VAMGAS LIMITED  SAGASCO RESOURCES LTD.

PIRA/DILCHEE FIELDS

PETROLEUM PRODUCTION LICENCE NO. 72

DEPARTMENT OF MINES AND ENERGY - S. A.  SR 28/1/185  AREA 17-45 km² (approx.)
THIS DEED OF SUB-LICENCE made the day of 19.

BETWEEN:

SANTOS LIMITED A.C.N. 007 550 923 whose registered office is situated at 39 Grenfell Street, Adelaide in the State of South Australia (hereinafter sometimes called "Santos" which expression where the context requires or permits shall include its successors and assigns);

AND

DELHI PETROLEUM PTY. LTD. A.C.N. 007 854 686 whose registered office is situated at c/- Esso Australia Ltd., Level 34, 360 Elizabeth Street, Melbourne in the State of Victoria (hereinafter sometimes called "Delhi" which expression where the context requires or permits shall include its successors and assigns);

AND

SAGASCO RESOURCES LIMITED A.C.N. 007 845 338 whose registered office is situated at 60 Hindmarsh Square, Adelaide in the State of South Australia (hereinafter sometimes called "SAGASCO" which expression where the context requires or permits shall include its successors and assigns);

AND

VAMGAS LTD. A.C.N. 006 245 110 whose registered office is situated at 39 Grenfell Street, Adelaide in the State of South Australia (hereinafter sometimes called "Vamgas" which expression where the context requires or permits shall include its successors and assigns);
the said companies being hereinafter collectively called "the Licensor S" which expression where the context requires or permits shall include their respective successors and assigns);

OF THE ONE PART

AND

SANTOS LIMITED A.C.N. 007 550 923 whose registered office is situated at 39 Grenfell Street, Adelaide in the State of South Australia (hereinafter sometimes called "Santos" which expression where the context requires or permits shall include its successors and assigns);

AND

DELHI PETROLEUM PTY. LTD. A.C.N. 007 854 686 whose registered office is situated at c/- Esso Australia Ltd., Level 34, 360 Elizabeth Street, Melbourne in the State of Victoria (hereinafter sometimes called "Delhi" which expression where the context requires or permits shall include its successors and assigns);

AND

VAMGAS LTD. A.C.N. 006 245 110 whose registered office is situated at 39 Grenfell Street, Adelaide in the State of South Australia (hereinafter sometimes called "Vamgas" which expression where the context requires or permits shall include its successors and assigns);

AND

SAGASCO RESOURCES LIMITED A.C.N. 007 845 338 whose registered office is situated at 60 Hindmarsh Square, Adelaide in the State of South Australia (hereinafter sometimes called "SAGASCO" which expression where the context requires or permits shall include its successors and assigns);
AND

CRUSADER RESOURCES NO LIABILITY A.C.N. 004 761 255 whose registered office is situated at 27th Floor, 12 Creek Street, Brisbane in the State of Queensland (hereinafter sometimes called "Crusader" which expression where the context requires or permits shall include its successors and assigns);

AND

ALLIANCE PETROLEUM AUSTRALIA NO LIABILITY A.C.N. 004 559 951 whose registered office is situated at 39 Grenfell Street, Adelaide in the State of South Australia (hereinafter sometimes called "Alliance" which expression where the context requires or permits shall include its successors and assigns);

AND

BASIN OIL NO LIABILITY A.C.N. 000 628 017 whose registered office is situated at c/- Cultus Petroleum N.L., Level 1, 25 Merriwa Street, Gordon in the State of New South Wales (hereinafter sometimes called "Basin" which expression where the context requires or permits shall include its successors and assigns);

AND

BRIDGE OIL LIMITED A.C.N. 000 670 575 whose registered office is situated at Level 9, 255 Elizabeth Street, Sydney in the State of New South Wales (hereinafter sometimes called "Bridge" which expression where the context requires or permits shall include its successors and assigns);

AND

REEF OIL NO LIABILITY A.C.N. 000 646 800 whose registered office is situated at 39 Grenfell Street, Adelaide in the State of South Australia (hereinafter sometimes called "Reef" which expression where the context requires or permits shall include its successors and assigns);
AND

BRIDGE OIL DEVELOPMENTS PTY. LTD., A.C.N. 001 152 049 whose registered office is situated at Level 9, 255 Elizabeth Street, Sydney in the State of New South Wales (hereinafter sometimes called "BOD" which expression where the context requires or permits shall include its successors and assigns);

AND

SANTOS PETROLEUM PTY. LTD., A.C.N. 000 146 369 whose registered office is situated at 39 Grenfell Street, Adelaide in the State of South Australia (hereinafter sometimes called "Santos Petroleum" which expression where the context requires or permits shall include its successors and assigns);

(the said companies being hereinafter collectively called "the Licensees" which expression where the context requires or permits shall include their respective successors and assigns);

OF THE OTHER PART

WHEREAS:-

A. The Licensors are the holders of Petroleum Production Licence No. [ ] granted by the Minister of Mines and Energy of the State of South Australia pursuant to the powers in the Petroleum Act, 1940 and the Cooper Basin (Ratification) Act, 1975 over certain land in the State of South Australia as more particularly described in the said Petroleum Production Licence No. [ ].

B. The Licensees are parties to an agreement made as of the 1st day of January, 1975 known as the South Australian Cooper Basin Unit Agreement (hereinafter and as the same has been and may hereafter be amended from time to time referred to as
"the Unit Agreement") relating inter alia to the development and production of petroleum from that sub-surface portion of the area comprised in the said Petroleum Production Licence No. [ ] as the same is more particularly described in the Schedule hereto.

C. The Licensor with the consent of the Minister of Mines and Energy of the State of South Australia have agreed to grant and the Licensees have agreed to accept a sub-licence to exercise the rights specified in Clause 1 hereof upon the conditions specified in Clauses 2, 3, 4 and 5 hereof.

NOW THIS DEED WITNESSETH AS FOLLOWS :-

1. The Licensor with the consent of the Minister of Mines and Energy of the State of South Australia hereby grant to each of the Licensees severally the exclusive right for a period of twenty-one (21) years commencing and inclusive of the First day of January 1993 (with the right of renewal hereinafter contained) subject to the provisions of this Deed of Sub-Licence to :-

(a) conduct operations for the appraisal and production of petroleum from such sub-surface portion of the area comprised in the said Petroleum Production Licence No. [ ] as is more particularly described in the Schedule hereto (hereinafter referred to as "the Unitized Zone") and subject to Clause 2 hereof to own all petroleum extracted or released therefrom; and

(b) construct and maintain upon the land comprised in the said Petroleum Production Licence No. [ ] all such facilities as the Licensor are entitled to construct and maintain thereon pursuant to Section 33 of the Petroleum Act, 1940 or the Cooper Basin (Ratification) Act, 1975 (or both) of the State of South Australia and
as are necessary from time to time for the full
enjoyment of the rights granted pursuant to Clause 1(a)
hereof.

2. Each of the Licensees hereby expressly acknowledges,
covenants and agrees with the Licensors and with each of the
other Licensees that in the exercise of exclusive rights
granted pursuant to Clause 1 hereof each Licensee shall at
all times act subject to and in accordance with the
provisions of the Unit Agreement (and in particular to the
provisions of Clause 13.01 thereof which refers to an
overriding royalty in favour of Santos) and that such rights
shall entitle each Licensee to extract or release from the
Unitized Zone so much of the petroleum within the Unitized
Zone as such Licensee is entitled to from time to time in
accordance with its Gas Unit Participation, Ethane Unit
Participation, Propane Unit Participation, Butane Unit
Participation, Condensate Unit Participation, Crude Oil Unit
Participation and its Additional Plant Products Unit
Participation or Participations in accordance with the
provisions of the Unit Agreement.

3. The Licensees hereby jointly and severally covenant with the
Licensors that they will make payment in accordance with the
Unit Agreement, as amended, of the royalty referred to in the
Cooper Basin (Ratification) Act, 1975 in respect to the
production referred to in Clause 2 hereof and subject to the
provisions of the Cooper Basin (Ratification) Act, 1975 make
payment in accordance with the Unit Agreement of the yearly
rent provided under the said Petroleum Act, 1940 and will
subject as aforesaid comply with the provisions of the said
Petroleum Act, 1940 and with all Regulations for the time
being in force under that Act and with any directions given
by the Minister, the Director-General of Mines and Energy or
any other person pursuant to that Act or the said Regulations
and the Licensees hereby further jointly and severally
covenant with the Licensors not to do any act or thing or make any omission which would cause the Licensors to be in breach or default of the provisions of the said Petroleum Production Licence No. [ ] or of the provisions of the said Petroleum Act, 1940 or of any Regulation for the time being in force under that Act or with any direction given by the Minister, the Director-General of Mines and Energy or any other person pursuant to that Act or the said Regulations.

4. Subject to the due compliance by the Licensees with their obligations under this Deed of Sub-Licence the Licensors hereby covenant with the Licensees:-

(a) to perform the covenants and obligations on the part of the Licensors contained in the said Petroleum Production Licence No. [ ];

(b) that for such period as the same is required for the purpose of the Unit Agreement, to exercise their rights of renewal pertaining to the said Petroleum Production Licence No. [ ]; and

(c) to renew the provisions of this Deed of Sub-Licence on the same terms and conditions during any renewed term of the said Petroleum Production Licence No. [ ] for such period as aforesaid.

5. The rights of the Licensees or any of them granted pursuant to the foregoing provisions of this Deed of Sub-Licence shall not be sold assigned transferred leased sub-let mortgaged pledged charged encumbered or otherwise disposed of other than subject to and in accordance with the provisions of Article XV of the Unit Agreement and subject to Section 42 of the said Petroleum Act, 1940 and Clause 14.2 of the Indenture as defined in the Cooper Basin (Ratification) Act, 1975.
IN WITNESS WHEREOF the Parties hereto sign seal and deliver the
foregoing presents and have heretounto set their respective hands
and seals as of the day and year first above written.

Executed on behalf of

ALLIANCE PETROLEUM

AUSTRALIA N.L. by being

Signed Sealed and Delivered

by its duly authorised

Attorney under Power of

Attorney who hereby states

that he has received no

notice of revocation of the

Power of Attorney effecting

such appointment, in the

the presence of:

(Witness)

THE COMMON SEAL of BASIN OIL

NO LIABILITY was hereunto

affixed in the presence of:-

 Secretary

 Director

THE COMMON SEAL of BRIDGE

OIL LIMITED was hereunto

affixed in the presence of:-

 Secretary

 Director
SIGNED, SEALED AND DELIVERED
for and on behalf of DELHI
PETROLEUM PTY. LTD. by

its duly authorised Attorney
under Power of Attorney
dated the day of
19 , who hereby states that
he has no notice of revocation
of the said Power of Attorney
at the time of executing this
instrument in the presence of:

(Witness)                               Delhi Petroleum Pty. Ltd.

THE COMMON SEAL of CRUSADER
RESOURCES NO LIABILITY was
hereunto affixed in the
presence of:-

Secretary                                Director

Executed on behalf of
REEF OIL N.L. by being
Signed Sealed and Delivered
by its duly authorised
Attorney under Power of
Attorney who hereby states
that he has received no
notice of revocation of the
Power of Attorney effecting
such appointment, in the
the presence of:

(Witness)
Executed on behalf of SANTOS LIMITED by being Signed Sealed and Delivered by its duly authorised Attorney under Power of Attorney who hereby states that he has received no notice of revocation of the Power of Attorney effecting such appointment, in the presence of:

(Witness)

Executed on behalf of SANTOS PETROLEUM PTY. LTD. by being Signed Sealed and Delivered by its duly authorised Attorney under Power of Attorney who hereby states that he has received no notice of revocation of the Power of Attorney effecting such appointment, in the the presence of:

(Witness)

Executed on behalf of VAMGAS LTD. by being Signed Sealed and Delivered by its duly authorised Attorney under Power of Attorney who hereby states that he has received no notice of revocation of the Power of Attorney effecting such appointment, in the the presence of:

(Witness)
THE COMMON SEAL of BRIDGE OIL DEVELOPMENTS PTY. LTD. was hereunto affixed in the presence of:-

................................. .................................
Secretary                     Director

THE COMMON SEAL of SAGASCO RESOURCES LIMITED was hereunto affixed in the presence of:-

................................. .................................
Secretary                     Director
PIRA AND DILCHEE FIELDS,
THE SUB-LICENCES REFERRED TO IN THE APPLICATION
FOR A PETROLEUM PRODUCTION LICENCE

The Sub-Licences referred to in this Application for a Petroleum Production Licence are in respect of Unitized Zones described, respectively, as:

(1) The stratigraphic unit named (or to be named) as the Pira Field, Toolachee Formation in the First Schedule to the Unit Agreement and being as more particularly described (or to be described) therein together with all lateral extensions to such stratigraphic unit as may from time to time become subject to the Unit Agreement and which underlie the area described in the said Petroleum Production Licence.

(2) The stratigraphic unit named (or to be named) as the Dilchee Field, Unit "P1" Patchawarra Formation in the First Schedule to the Unit Agreement and being as more particularly described (or to be described) therein together with all lateral extensions to such stratigraphic unit as may from time to time become subject to the Unit Agreement and which underlie the area described in the said Petroleum Production Licence.

(3) The stratigraphic unit named (or to be named) as the Pira Field, Unit "P1" Patchawarra Formation in the First Schedule to the Unit Agreement and being as more particularly described (or to be described) therein together with all lateral extensions to such stratigraphic unit as may from time to time become subject to the Unit Agreement and which underlie the area described in the said Petroleum Production Licence.

(4) The stratigraphic unit named (or to be named) as the Dilchee Field, Unit "P2" Patchawarra Formation in the First Schedule to the Unit Agreement and being as more particularly described (or to be described) therein together with all lateral extensions to such stratigraphic unit as may from time to time become subject to the Unit Agreement and which underlie the area described in the said Petroleum Production Licence.

(5) The stratigraphic unit named (or to be named) as the Pira Field, Unit "P2" Patchawarra Formation in the First Schedule to the Unit Agreement and being as more particularly described (or to be described) therein together with all lateral extensions to such stratigraphic unit as may from time to time become subject to the Unit Agreement and which underlie the area described in the said Petroleum Production Licence.
In accordance with Section 117 of the Petroleum Act 2000 (Act) this document forms part of ‘The Commercial Register’.

Section 118 of the Act provides for the following:

**Authority to search register**

(1) A person is entitled to have access to the material included in the commercial register, on payment of the prescribed inspection fee, if the access is authorised by—

   (a) a person who has a legal or equitable interest in the relevant licence or registered dealing; or

   (b) the Minister.

(2) The Minister must not authorise access under subsection (1)(b) unless the Minister has consulted with the licensee to whom the material relates and is satisfied that access should be authorised in the public interest.

FOR FURTHER INFORMATION PLEASE CONTACT:

Department of State Development
Energy Resources Division
GPO Box 320,
Adelaide SA 5001
(08) 8463 3204