1. 26 May 1993  Licence document dated 26 May 1993
   Expiry:         25 May 2014

   Interests in the Licence:
   Santos Limited     45.0%
   Delhi Petroleum Pty Ltd    27.0%
   SAGASCO Resources Limited 14.0%
   Vamgas Ltd      14.0%

2. 26 May 1993  Memorandum entering licence on the public register and
               notating receipt of security.

3. 10 June 1993  Grant of Licence published in the South Australian Government
                Gazette dated 10 June 1993, Page 1892.

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

30. 25 January 2017 Renewal of licence.

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 60 is now due to expire on 25 May 2035.


32. 9 August 2017 Certificate of Registration on Change of Company Name dated 29 June 2017.

From: Origin Energy Resources Limited
To: Lattice Energy Limited

33. 9 August 2017 Memorandum entering notation of change of company name on the public register.
34. 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

35. 22 January 2020  Certificate of Registration on Change of Name dated 2 December 2019.

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

36. 22 January 2020  Memorandum entering notation of change of company name on the public register.
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. GOLDSTEIN
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.

BARRY A. GOLDSSTEIN
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. GOLDSSTEIN
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 60 and 70

1. Renewal of these licences effective from 26 May 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: 28/1/187
28/1/186
Petroleum and Geothermal Energy Act 2000
Cooper Basin (Ratification) Act 1975

RENEWAL OF
PETROLEUM PRODUCTION LICENCE
PPL 60

I, BARRY ALAN GOLDSTEIN, 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 60, held by:

- Santos Limited ACN 007 550 923
- Vamgas Pty Ltd ACN 008 245 110
- 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 004 781 255

(herein after referred to as the 'Licensee'), 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 26 May 2014, and expiring at midnight on 25 May 2035.

DESCRIPTION OF AREA

The land comprised in this Licence is that part of the State of South Australia described in the Schedule 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 60 immediately prior to the commencement of this renewal on 26 May 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.

Date:...25 January...2017...

[Signature]

BARRY A. GOLDSMITH
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)
**Vangas 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 007 854 686)
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

.................................................................
[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
Rod Rayner
Director

.................................................................
Signature of Director/Secretary"
CATHY OSTER
COMPANY SECRETARY

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

.................................................................
[Print Name of Director]
("delete the inapplicable)

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

2021-12-10
SCHEDULE

PETROLEUM PRODUCTION LICENCE

PPL 60

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°13'20"S AGD66 and longitude 139°53'30"E AGD66, thence east to longitude 139°54'10"E AGD66, south to latitude 28°13'40"S AGD66, east to longitude 139°54'30"E AGD66, south to latitude 28°14'20"S AGD66, east to longitude 139°54'40"E AGD66, south to latitude 28°14'30"S AGD66, east to longitude 139°55'00"E AGD66, south to latitude 28°15'20"S AGD66, west to longitude 139°53'40"E AGD66, north to latitude 28°14'20"S AGD66, west to longitude 139°53'30"E AGD66, and north to point of commencement.

AREA: 6.54 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 HEREBEFORE REFERRED TO

WIRRARIE NORTH FIELD

PETROLEUM PRODUCTION LICENCE NO: 60

Government of South Australia
Department of State Development

SR 28/1/187 AREA: 6.54 sq km (approx)
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

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. GOLDESTEIN
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

M 1877.docx
MEMORANDUM

PETROLEUM PRODUCTION LICENCES
PPLs 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26,
27, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48,
51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 63, 64, 65, 66, 67, 68, 69, 70, 72,
73, 74, 75, 76, 77, 78, 79, 80, 81, 83, 84, 86, 87, 88, 89, 90, 91, 92, 94, 95,
98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 113,
114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128,
129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 143, 144, 145,
146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 158, 159, 160, 161,
162, 163, 164, 165, 166, 167, 172, 174, 175, 176, 177, 178, 179, 180, 182,
187, 189, 190, 193, 194, 195, 196, 201, 228, 229, 230, 231, 232, 233, 234,
235, 236, 237 and 238

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.

[Signature]

BARRY A. GOLDSWORTHY
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.

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
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

M 0626.doc
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]

Date: 23 November 2005

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

  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 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 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
Chairman
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

30/6/97
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

FARMOUT AREAS AND PETROLEUM PRODUCTION LICENCES

This memorandum will confirm that on 17 February 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), Vangas Pty Ltd (Vangas), 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, Vangas, Crusader, BOD, BOL, Reef, Alliance and Basin.

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

- Deed of Amendment Downstream Cross Charge dated 20 December 1996 between Santos, Delhi, Santos Petroleum, Boral, Vangas, 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>Vangas</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>Murta</td>
<td>27 to</td>
<td>Santos Petroleum</td>
<td>0.40</td>
</tr>
<tr>
<td>Tinga-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>Murree</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>Koonalherra</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.

[Signature]
J S Zabrowany
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.

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

\[\text{Date} \]

Fu792 MC
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 .................................. 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-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.

(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 ............................................. 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 NL.

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>
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<tbody>
<tr>
<td>Moomba</td>
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<td>Santos Ltd (Santos)</td>
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<td></td>
<td>6-7-8-9</td>
<td>Delhi Petroleum Pty Ltd (Delhi)</td>
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<td></td>
<td></td>
<td>Vangas Ltd (Vangas)</td>
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<tr>
<td></td>
<td>10-11-51</td>
<td>Sagasco Resources Ltd (SAGASCO)</td>
<td>10.0</td>
<td>10.0</td>
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<tr>
<td></td>
<td></td>
<td>Crusader Resources NL (Crusader)</td>
<td>-</td>
<td>4.75</td>
</tr>
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<td>Toolachee</td>
<td></td>
<td>Santos</td>
<td>50.0</td>
<td>45.25</td>
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<tr>
<td></td>
<td>12-13-14</td>
<td>Delhi</td>
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<td></td>
<td>23-24-25</td>
<td>Vangas</td>
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<td>40-41-58</td>
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<td>69-71-72</td>
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<td>Nappacoongee/Murteree</td>
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<td>Sagasco</td>
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<td>7.0</td>
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<td>Merrimelia/Innamincka</td>
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<td></td>
<td>Crusader</td>
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<tr>
<td>Location</td>
<td>Date Range</td>
<td>Company</td>
<td>Santos</td>
<td>Delhi</td>
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<td>-------------</td>
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<td>--------</td>
<td>-------</td>
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<tr>
<td>Patchawarra</td>
<td>18-19-20</td>
<td>Bridge Oil Developments Pty Ltd</td>
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<td>Vamgas</td>
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<td>East</td>
<td>28-48-49</td>
<td>SAGASCO</td>
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<td>49-66</td>
<td>Vamgas</td>
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<td>Murta</td>
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<td></td>
<td>Vamgas</td>
<td>10.0</td>
<td>10.0</td>
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<td></td>
<td>SAGASCO</td>
<td>10.0</td>
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<tr>
<td></td>
<td></td>
<td>Crusader</td>
<td>4.75</td>
<td>4.75</td>
</tr>
</tbody>
</table>
Tinga-Tingana  Santos  45.0  40.25
Delhi  27.0  27.0
Vangas  14.0  14.0
SAGASCO  14.0  14.0
Crusader  -  4.75

This Memorandum is hereby entered on the Petroleum Register.

[Signature]
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, 26 May 1993

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

C. J. SUMNER, Acting 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>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>SANTOS Ltd, Delhi Petroleum Pty Ltd, Vamgas Ltd, SAGASCO Resources Ltd</td>
<td>Wilurrar North Field of Cooper Basin of South Australia</td>
<td>25 May 2014</td>
<td>6.54</td>
<td>SR 28.1.187</td>
</tr>
</tbody>
</table>

The land comprised in the licence is all that part of the State of South Australia bounded as follows: commencing at the point being the intersection of latitude 28°13'20"S and longitude 139°53'30"E, thence east to longitude 139°54'10"E, south to latitude 28°13'40"S, east to longitude 139°54'40"E, south to latitude 28°14'30"S, east to longitude 139°55'00"E, south to latitude 28°15'20"S, west to longitude 139°53'40"E, north to latitude 28°14'20"S, west to longitude 139°53'30"E and north to the point of commencement.

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

---

GRANT OF PETROLEUM PRODUCTION LICENCE

Department of Mines and Energy, Parkside, 26 May 1993

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

C. J. SUMNER, Acting 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>
</tr>
</thead>
<tbody>
<tr>
<td>70</td>
<td>SANTOS Ltd, Delhi Petroleum Pty Ltd, Vamgas Ltd, SAGASCO Resources Ltd</td>
<td>Farina Field of the Cooper Basin of South Australia</td>
<td>25 May 2014</td>
<td>5.70</td>
<td>SR 28.1.186</td>
</tr>
</tbody>
</table>

The land comprised in the licence is all that part of the State of South Australia bounded as follows: commencing at the point being the intersection of latitude 28°16'40"S and longitude 139°56'10"E, thence east to longitude 139°57'10"E, south to latitude 28°17'20"S, west to longitude 139°56'40"E, south to latitude 28°17'30"S, west to longitude 139°57'00"E, south to latitude 28°17'40"S, west to longitude 139°56'40"E, south to latitude 28°17'50"S, west to longitude 139°56'00"E, north to latitude 28°18'00"E, east to longitude 139°56'10"E and north to the point of commencement.

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

---

Department of Environment and Land Management, Adelaide, 8 June 1993

NOTICE is hereby given that the undermentioned leases have been amended and that the amended area is now shown in the last column of this notice.

<table>
<thead>
<tr>
<th>Leasee of Purchaser</th>
<th>Lease</th>
<th>Section or Allotment</th>
<th>Hundred of Irrigation Area or Town</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passmore, A. T. and D. J.</td>
<td>Irrigation perpetual soldiers No. 218</td>
<td>Allotment 1 of deposed plats No. 28054</td>
<td>Berri irrigation area</td>
<td>6.099 ha</td>
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<tr>
<td>Lashmar, A. F., C. H. and T. B.</td>
<td>Perpetual No. 17543</td>
<td>Section 457</td>
<td>Dudley</td>
<td>24.6 ha</td>
</tr>
</tbody>
</table>

D. R. MUTTON, Director, Environment and Land Management
MEMORANDUM

PETROLEUM PRODUCTION LICENCE NO. 60

1. This Licence granted on 26.5.93 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 are as follows:

   • Santos Ltd 45%
   • Delhi Petroleum Pty Ltd 27%
   • Vangas Ltd 14%
   • SAGASCO Resources Ltd 14%

C J SUMNER

ACTING MINISTER OF MINERAL RESOURCES

SR 28/1/187
PETROLEUM ACT 1940

PETROLEUM PRODUCTION LICENCE NO. 60

CHRISTOPHER JOHN SUMNER ACTING

I, FRANK TAYLOR BLEVINS, Minister of Mineral Resources in and for the State of South Australia pursuant to the Petroleum Act, 1940 and all other enabling powers HEREBY GRANT 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 principal business address c/- Esso Australia Ltd., Level 34, 360 Elizabeth Street, Melbourne, Victoria,
- VAMGAS LTD. A.C.N. 006 245 110 of 39 Grenfell Street, Adelaide, South Australia, and
- SAGASCO RESOURCES LIMITED A.C.N. 007 854 338 of 60 Hindmarsh Square, Adelaide, South Australia,

(hereinafter referred to as "the Licensees") a Petroleum Production Licence in respect of the area described below and subject to the conditions set out below, to have effect for a period of twenty-one years to expire on the 1st day of .......... 2012, but carrying the rights of renewal conferred by the Petroleum Act 1940...

Description of Area

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

Conditions

The Licensees shall at all times comply with:

(a) the provisions of the petroleum Act 1940 and of any regulations for the time being and from time to time in force under that Act; and

(b) all directions given to them under the Act or regulations for the time being and from time to time in force under that Act.

Declaration

As between the licensees it is hereby acknowledged and agreed that the Licensees, as at the date of grant of this licence, own and hold the following undivided interests respectively in and under this licence:

<table>
<thead>
<tr>
<th>Licensee</th>
<th>Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santos:</td>
<td>Forty-five per centum (45%)</td>
</tr>
<tr>
<td>Delhi:</td>
<td>Twenty-seven per centum (27%)</td>
</tr>
<tr>
<td>Vamgas:</td>
<td>Fourteen per centum (14%)</td>
</tr>
<tr>
<td>SAGASCO Resources:</td>
<td>Fourteen per centum (14%)</td>
</tr>
</tbody>
</table>

F03096.MC
and 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 31st day of December 1979 to which the Licensees are parties and as the same has been amended and as may hereafter be amended or replaced from time to time PROVIDED THAT any amendment or replacement which affects or could affect the undivided interests of the Licensees shall be of no force or effect unless approved by the Minister.

SIGNED, SEALED AND DELIVERED
by the said MINISTER OF MINERAL
RESOURCES at ADELAIDE this

........................................
day of MAY 1993

MINISTER OF MINERAL RESOURCES

SIGNED, SEALED AND DELIVERED
by the said LICENSEES at

........................................
ADELAIDE this

........................................
day of MAY 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)

JOHN BRYAN FITZGERALD
SIGNED, SEALED AND DELIVERED
for and on behalf of DELHI PETROLEUM PTY. LTD. by
IAN WILLIAM ANGUS
its duly authorised Attorney
under Power of Attorney
dated the 12th day of FEBRUARY
1973 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.
by its Attorney DELHI PETROLEUM PTY. LTD
BY ITS ATTORNEY IAN WILLIAM ANGUS

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
SAGASCO RESOURCES
LIMITED was hereunto
affixed in the presence of:

(Director)

COMMON SEAL

JOHN BRYAN FITZGERALD

F05096.MC
SANTOS LIMITED  DELHI PETROLEUM PTY. LTD.
VAMGAS LIMITED  SAGASCO RESOURCES LTD.

WIRRARIE NORTH FIELD

PETROLEUM PRODUCTION LICENCE NO. 60

DEPARTMENT OF MINES AND ENERGY - S. A.  SR 28/1/87  AREA 6.54 km² (approx.)
PETROLEUM PRODUCTION LICENCE NO 60

THE SCHEDULE

Description of Area

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

Commencing at the point being the intersection of latitude 28°13'20"S and longitude 139°53'30"E, thence east to longitude 139°54'10"E, south to latitude 28°13'40"S, east to longitude 139°54'30"E, south to latitude 28°14'20"S, east to longitude 139°54'40"E, south to latitude 28°14'30"S, east to longitude 139°55'00"E, south to latitude 28°15'20"S, west to longitude 139°53'40"E, north to latitude 28°14'20"S, west to longitude 139°53'30"E, and north to the point of commencement.

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

Area: 6.54 square kilometres (approximately).
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