INDEX OF DOCUMENTS HELD ON THE PUBLIC REGISTER FOR PPL 117

1. 3 November 1997  Licence document dated 3 November 1997
   Expiry:  2 November 2018

   Interests in the Licence:
   
   Santos Ltd     40.70
   Delhi Petroleum Pty Ltd 20.21
   Boral Energy Resources Ltd 13.19
   Vamgas Pty Ltd  8.51
   Gulf (Aust) Resources NL  4.75
   Bridge Oil Developments Pty Ltd 3.99
   Alliance Petroleum Australia Pty Ltd 3.97
   Basin Oil NL     2.10
   Reef Oil Pty Ltd  1.97
   Santos Petroleum Pty Ltd 0.40
   Santos (BOL) Pty Ltd 0.21

2. 3 November 1997  Memorandum entering licence on the public register and
   notating receipt of security.

3. 6 November 1997  Grant of Licence published in the South Australian Government
   Gazette dated 6 November 1997, Page 1195.

4. 10 December 1999 Certificate of Registration on Change of Name dated 6 October
   1999:
   From: Gulf (Aust) Resources NL
   To: Novus Australia Resources NL

5. 10 December 1999 Memorandum entering change of company name on the Public
   Register.

6. 13 March 2000   Certificate of Registration on Change of Name dated 24
   February 2000:
   From: Boral Energy Resources
   To: Origin Energy Resources Ltd

7. 13 March 2000   Memorandum entering change of company name on the Public
   Register.

8. 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

9. 15 October 2002  Memorandum entering change of company name on the Public
   Register.

10. 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.
11. 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

12. 23 November 2005  Notation of discharge of security and receipt of replacement security is entered on the public register.

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

14. 13 January 2006  Memorandum entering change of company name on the Public Register.

15. 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.

16. 9 May 2006  Memorandum entering change of company name on the Public Register.

17. 17 June 2009  Partial Surrender of Licence Area.

18. 17 June 2009  Memorandum entering partial surrender on the public register.

19. 25 June 2009  Gazetthal of Partial Surrender

20. 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

21. 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

22. 18 July 2013  Variation of licence conditions.

23. 18 July 2013  Memorandum entering variation of licence conditions on the public register.

24. 23 January 2017  Suspension of licence for the period from and including 6 October 2016 to 5 October 2017.
PPL 117 is due to expire 2 November 2019.

25. 23 January 2017  Memorandum entering the suspension of licence on the public register.

26. 27 January 2017  Gazettal of suspension of licence.

27. 9 August 2017  Certificate of Registration on Change of Company Name dated 29 June 2017.

From: Origin Energy Resources Limited
To: Lattice Energy Limited

28. 9 August 2017  Memorandum entering notation of change of company name on the public register.

29. 16 October 2017  Suspension of licence for the period from and including 6 October 2017 to 5 April 2018.

PPL 117 is now due to expire on 2 May 2020.

30. 16 October 2017  Memorandum entering the suspension of the licence on the public register.

31. 24 October 2017  Gazettal of suspension of licence.

32. 5 April 2018  Suspension of licence for the period from and including 6 April 2018 to 5 October 2018.

PPL 117 is now due to expire on 1 November 2020.

33. 5 April 2018  Memorandum entering suspension of licence on the public register.

34. 19 April 2018  Gazettal of suspension of licence.

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. 29 January 2019  Notation of extension of time for submission of the 2018 Unaudited Statement of Accounts to 15 February 2019 on the public register.
37. 22 January 2020 Certificate of Registration on Change of Name dated 2 December 2019.

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

38. 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

1. Notation of extension of time to 15 February 2019 by which the licensees must submit the 2018 Unaudited Statement of Accounts in respect to the above mentioned PPLs in accordance with licence condition 6 is hereby entered on the public register.

NICK PANAGOPoulos
A/Executive Director
Energy Resources Division
Department for Energy and Mining
Delegate of the Minister for Energy and Mining

Date: 29 January 2019

File: F2013/001342
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. 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
PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

SUSPENSION OF PETROLEUM PRODUCTION LICENCES

PPLs 102, 103, 104, 105, 106, 107, 108, 111, 114, 115, 116 and 117

Pursuant to section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the abovementioned Petroleum Production Licences have been suspended for the period from and including 6 April 2018 to 5 October 2018, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 31 March 2017.

The expiry date of PPLs 102, 103, 104, 105, 106, 107, 108, 111, 114, 115, 116 and 117 is now determined to be 1 November 2020.

Dated: 5 April 2018

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

PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

SUSPENSION OF PETROLEUM EXPLORATION LICENCES

PELs 160, 288, 289, 290 and 331

Pursuant to section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the abovementioned Petroleum Exploration Licences have been suspended for the period from 22 March 2018 to 21 March 2019 inclusive, pursuant to delegated powers dated 31 March 2017.

The expiry date of PEL 160 is now determined to be 31 August 2023.

The expiry date of PELs 288, 289, 290 and 331 is now determined to be 31 May 2022.

Dated: 11 April 2018

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

RETURN TO WORK ACT 2014

Publication of Designated Form Notice 2018

Preamble

Subsection 4(15) of the Return to Work Act 2014 (“the Act”) provides that the Return to Work Corporation of South Australia (“the Corporation”) may, by notice in the Gazette, designate forms for the purposes of the Act.

In accordance with the power delegated to me by the Board of the Corporation under the current Instrument of Delegation of the Corporation, Rob Cordiner, Chief Executive Officer, designate pursuant to the sections of the Act specified herein the forms by which information is to be provided by an employer.

Part 1 – Preliminary Matters

1. This notice may be cited as the Publication of Designated Form Notice 2018.
2. This notice commences on 20 April 2018.

Part 2 – Designated Form

3. Application for registration as an employer.

Pursuant to subsection 131(1)(a) of the Act, I give notice that the form at Attachment 1 is the designated form for the purpose of that subsection.

This form will come into effect on 20 April 2018, and supersede only the form designated under section 131(1)(a) of the Act published in Government Gazette No. 25 dated 5 May 2016.

I confirm that this is a true and correct record of the decision of the Corporation made in the exercise of my delegated authority.

Dated: 11 April 2018

R. CORDINER
Chief Executive Officer
MEMORANDUM

PETROLEUM PRODUCTION LICENCES
PPLs 102, 103, 104, 105, 106, 107, 108,
111, 114, 115, 116 and 117

1. Suspension of these licences is hereby entered on the public licence registers.

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

Date: 5 April 2018
Ref: F2013/001342
SUSPENSION OF
PETROLEUM PRODUCTION LICENCES
PPLs 102, 103, 104, 105, 106, 107,
108, 111, 114, 115, 116 and 117

I, BARRY ALAN GOLDSTEIN, Executive Director Energy Resources Division,
Department of the Premier and Cabinet, in the State of South Australia, pursuant to
the provisions of the Petroleum and Geothermal Energy Act 2000 and all other
enabling powers, for and on behalf of the Minister for Energy and Mining (Minister),
pursuant to delegated powers dated 31 March 2017 hereby -

(a) suspend petroleum production licences PPLs 102, 103, 104, 105, 106,
107, 108, 111, 114, 115, 116 and 117 for the period from 6 April 2018 to
5 October 2018 inclusive.

1. No regulated activities are permitted to be carried out during this period of
   suspension.

2. The expiry date of PPLs 102, 103, 104, 105, 106, 107, 108, 111, 114, 115, 116
   and 117 is now determined to be 1 November 2020.

Dated: 5 April 2018

BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of the Premier and Cabinet
Delegate of the Minister for Energy and Mining
Any person may make representations in connection with the draft management plan during the period up to and including 27 January 2018.

Written comments should be forwarded to Saras Kumar, Policy and Planning Officer – Far West Coast, Protected Areas Unit, Department of Environment, Water and Natural Resources, GPO Box 1047 ADELAIDE SA 5001 or e-mailed to DEWNRProtectedAreaManagement@sa.gov.au. Submissions may also be made online at http://yoursay.sa.gov.au/

Dated 24 October 2017.

J.E. SCHUTZ, Director of National Parks and Wildlife,
Delegate of the Minister for Sustainability, Environment and Conservation

NATIONAL PARKS AND WILDLIFE (NATIONAL PARKS) REGULATIONS 2016
Closure of Onkaparinga River National Park

PURSUANT to Regulations 7(3) (a) and 7(3) (d) of the National Parks and Wildlife (National Parks) Regulations 2016, I, John Schutz, as Director, Regional Programs, Parks and Regions, authorised delegate of the Director of National Parks and Wildlife, close to the public, the whole of Onkaparinga River National Park from:

5 a.m. on Monday, 4 December 2017 until 5 p.m. on Friday, 8 December 2017.

The purpose of the closure is to ensure the safety of the public during a pest control and monitoring program within the park area during the period indicated.

Dated 13 October 2017.

J. SCHUTZ, Director, National Parks & Wildlife,
Department of Environment Water and Natural Resources

PETROLEUM AND GEOTHERMAL ENERGY ACT 2000
Suspension of Petroleum Production Licences

Pursuant to to section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the abovementioned Petroleum Production Licences have been suspended for the period from and including 6 October 2017 to 5 April 2018, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 31 March 2017.

The expiry date of PPLs 102, 103, 104, 105, 106, 107, 108, 111, 114, 115, 116 and 117 is now determined to be 2 May 2020.

Dated 16 October 2017.

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

THE DISTRICT COURT OF SOUTH AUSTRALIA
PORT AUGUSTA CIRCUIT COURT
Sheriff’s Office, Adelaide, 7 November 2017

In pursuance of a precept from the District Court to me directed, I do hereby give notice that the said Court will sit as a Court of Oyer and Terminer and General Gaol Delivery at the Courthouse at Port Augusta on the day and time undermentioned and all parties bound to prosecute and give evidence and all jurors summoned and all others having business at the said Court are required to attend the sittings thereof and the order of such business will be unless a Judge otherwise orders as follows:

Tuesday 7 November 2017 at 10 a.m. on the first day of the sittings the only business taken will be the arraignment of prisoners in gaol and the passing of informations

Juries will be summoned for 7 November 2017 and persons will be tried on this and subsequent days of the sittings.

Prisoners in H.M. Gaol and on bail for sentence and for trial at the sittings
of the Port Augusta Courthouse, commencing 7 November 2017.

<table>
<thead>
<tr>
<th>Name</th>
<th>Charge</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applehof, Jason</td>
<td>Aggravated assault; threaten to kill or endanger life; aggravated assault (2)</td>
<td>On bail</td>
</tr>
<tr>
<td>Brooks, Trevor John Charters,</td>
<td>Escape from custody; interfere with motor without consent; damage building or motor vehicle (not graffiti or unknown)</td>
<td>In gaol</td>
</tr>
<tr>
<td>Scott Gavin</td>
<td>Contraevn term of intervention order (2); aggravated threaten to kill or endanger life</td>
<td>On bail</td>
</tr>
<tr>
<td>Byles, Luke Andrew</td>
<td>Application for enforcement of a breached bond</td>
<td>On bail</td>
</tr>
<tr>
<td>Coulthard, Quentin Leo</td>
<td>Aggravated indecent assault (2)</td>
<td>On bail</td>
</tr>
<tr>
<td>Dawson, Ronald Tasman</td>
<td>Traffic in commercial quantity of controlled drug; fail to comply with bail agreement</td>
<td>On bail</td>
</tr>
<tr>
<td>Dodd, Bradley Troy</td>
<td>Unauthorised person drive motor vehicle; manufacture; sell, deal in prohibited weapons; traffic in a controlled drug</td>
<td>In gaol</td>
</tr>
<tr>
<td>Evans, Richard William</td>
<td>Escape from custody; interfere with motor vehicle without consent; damage building or motor vehicle (not graffiti or unknown)</td>
<td>In gaol</td>
</tr>
<tr>
<td>Grantham, Malcolm Bruce</td>
<td>Persistent sexual exploitation of a child (2); rape; common assault</td>
<td>In gaol</td>
</tr>
<tr>
<td>Greatley, Rebecca Lee</td>
<td>Aggravated cause death by dangerous driving; aggravated serious harm by dangerous driving; aggravated cause harm by dangerous driving</td>
<td>On bail</td>
</tr>
<tr>
<td>Groen, Alicia Jacinta</td>
<td>Serious criminal trespass; theft; unlawful possession</td>
<td>On bail</td>
</tr>
<tr>
<td>Gurr, Shaye John</td>
<td>Intentionally cause harm - aggravated</td>
<td>On bail</td>
</tr>
<tr>
<td>Hall, Terry</td>
<td>Commit assault; intentionally cause harm; commit assault that causes harm; aggravated commit assault</td>
<td>In gaol</td>
</tr>
<tr>
<td>Hatches, Franklin</td>
<td>Commit assault other by use of offensive weapon (3); damage building or motor vehicle (not graffiti or unknown); serious criminal trespass - residence occupied – aggravated; commit assault - basic</td>
<td>On bail</td>
</tr>
<tr>
<td>Hietman, Nathan Mark</td>
<td>Application for enforcement of a breached bond</td>
<td>On bail</td>
</tr>
</tbody>
</table>
MEMORANDUM

PETROLEUM PRODUCTION LICENCES
PPLs 102, 103, 104, 105, 106, 107, 108,
111, 114, 115, 116 and 117

1. Suspension of these licences is hereby entered on the public licence registers.

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

Date: 16 October 2017
Ref: F2013/001342
Petroleum and Geothermal Energy Act 2000
S.90

SUSPENSION OF
PETROLEUM PRODUCTION LICENCES
PPLs 102, 103, 104, 105, 106, 107,
108, 111, 114, 115, 116 and 117

I, BARRY ALAN GOLDSTEIN, Executive Director Energy Resources Division,
Department of the Premier and Cabinet, in the State of South Australia, pursuant to
the provisions of the Petroleum and Geothermal Energy Act 2000 and all other
enabling powers, for and on behalf of Tom Koutsantonis, Minister for Mineral
Resources and Energy (Minister), pursuant to delegated powers dated 31 March
2017 hereby -

(a) suspend petroleum production licences PPLs 102, 103, 104, 105, 106,
107, 108, 111, 114, 115, 116 and 117 for the period from 6 October 2017
to 5 April 2018 inclusive.

1. No regulated activities are permitted to be carried out during this period of
suspension.

2. The expiry date of PPLs 102, 103, 104, 105, 106, 107, 108, 111, 114, 115, 116
and 117 is now determined to be 2 May 2020.

Dated: 16 October 2017

[Signature]

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

PETROLEUM RETENTION LICENCE
PRL 106

PETROLEUM EXPLORATION LICENCES
PELs 637 and 638

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, 180,
182, 187, 189, 190, 193, 194, 195, 196, 201, 228, 229, 230, 231, 232, 233,
234, 235, 236, 237 and 238

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.

BARRY A. GOLDSTEIN
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
PETROLEUM AND GEOTHERMAL ENERGY ACT 2000


PURSUANT to Section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the abovementioned Petroleum Production Licences have been suspended for the period from and including 6 October 2016 to 5 October 2017, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 21 March 2012.

The expiry date of PPLs 102, 103, 104, 105, 106, 107, 108, 111, 114, 115, 116 and 117 is now determined to be 2 November 2019.


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

PETROLEUM PRODUCTION LICENCES
PPLs 102, 103, 104, 105, 106, 107, 108,
111, 114, 115, 116 and 117

1. Suspension of these licences is hereby entered on the public licence registers.

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

Date: 23 January 2017
Ref: F2013/001342
SUSPENSION OF
PETROLEUM PRODUCTION LICENCES
PPLs 102, 103, 104, 105, 106, 107, 108, 111, 114, 115, 116 and 117

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 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 -

(a) suspend petroleum production licences PPLs 102, 103, 104, 105, 106, 107, 108, 111, 114, 115, 116 and 117 for the period from and including 6 October 2016 to 5 October 2017.

1. No regulated activities are permitted to be carried out during this period of suspension.


Dated: 23 January 2017

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

PETROLEUM PRODUCTION LICENCES
PPLs 101 - 111 and PPLs 113 - 117

1. Variation of licence conditions is hereby entered on the public registers.

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

Date: 18 July 2013

Ref: 28/01/251
Petroleum and Geothermal Energy Act 2000

VARIATION OF
PETROLEUM PRODUCTION LICENCES
PPLs 101 - 111 and PPLs 113 - 117 (INCLUSIVE)

I, BARRY ALAN GOLDSTEIN, Executive Director Energy Resources Division, Department for Manufacturing, Innovation, Trade, Resources and Energy in the State of South Australia, pursuant to section 76 of the Petroleum and Geothermal Energy Act 2000 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 vary the conditions of the above-mentioned licences, held by –

Santos Limited ABN 80 007 550 923
Delhi Petroleum Pty Ltd ABN 65 007 854 686
Origin Energy Resources Ltd ABN 66 007 845 338
Vamgas Pty Ltd ABN 76 006 245 110
Santos (NARNL Cooper) Pty Ltd ABN 75 004 761 255
Bridge Oil Developments Pty Ltd ABN 30 001 152 049
Alliance Petroleum Australia Pty Ltd ABN 60 004 559 951
Basin Oil Pty Ltd ABN 36 000 628 017
Reef Oil Pty Ltd ABN 70 000 646 800
Santos Petroleum Pty Ltd ABN 95 000 146 369
Santos (BOL) Pty Ltd ABN 35 000 670 575

1. Condition 1 (Term) of each licence is amended:

(a) to delete the words “subject to the provisions as to termination in clause 9”; and

(b) after the words “...set forth in this licence” to delete the words “other than Clauses 5 to 13 (inclusive)”.

2. Condition 2, 4 and 12 of each licence is amended to replace the words “Petroleum Act 1940” with the words “Petroleum and Geothermal Energy Act 2000” on each occasion that those words appear.

3. Condition 5(b) of each licence is amended:

(a) to replace the words “as commences on” with the word “from”;

(b) to replace the words “and expires on” with the word “to”;

4. Condition 5 of each licence is amended to add the following words after Condition 5(b) as new Conditions 5(c) and 5(d):

(c) “during that part of the term of this licence from 1 January 2012 to 2 November 2018 not less than a further amount of one hundred and ninety million dollars
($190,000,000) shall be spent on Eligible Activity provided that any expenditure on Eligible Activity from 1 January 2012 shall be credited against the expenditure referred to in Clause 5(b) and shall also be carried over and credited against the expenditure of the further amount of one hundred and ninety million dollars referred to in this Clause 5(c); and

(d) during that part of the term of any renewal of this licence shown in the table below, the licensees will:

<table>
<thead>
<tr>
<th>Period</th>
<th>Minimum Work Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>from the renewal of the licence to 31 December 2023 (inclusive)</td>
<td>Carry out a minimum work program commensurate with Eligible Activity expenditure of $4,500 per square kilometre of the Subject PPLs (exclusive of an aggregate area equivalent to twice the Excluded Field(s) as and when they are determined by the licensees from time to time to the satisfaction of the Minister) per annum, calculated as an aggregate required amount at the end of the respective period provided however that any expenditure on Eligible Activity in an area(s) prior to its determination as being twice the Excluded Field area(s) shall be carried over and credited for the respective period.</td>
</tr>
<tr>
<td>1 January 2024 to 31 December 2028 (inclusive)</td>
<td>Carry out a minimum work program commensurate with Eligible Activity expenditure of $4,500 per square kilometre of the Subject PPLs (exclusive of an aggregate area equivalent to twice the Excluded Field(s) as and when they are determined by the licensees from time to time to the satisfaction of the Minister), per annum, calculated as an aggregate required amount at the end of the respective period, or another amount to be agreed between the parties prior to 2024 as is reasonable having regard to A) the expenditure then carried out under this agreement to 2024, B) the information then known about the petroleum resource within the Subject PPLs and C) the further information required to understand the extent to which production from the area remaining within the Subject PPLs is commercially feasible provided however that any expenditure on Eligible Activity in an area(s) prior to its determination as being twice the Excluded Field area(s) shall be carried over and credited for the respective period.</td>
</tr>
<tr>
<td>1 January 2029 to 31 December 2033 (inclusive)</td>
<td>Carry out a minimum work program commensurate with Eligible Activity expenditure at the rate specified in the immediately preceding term (in $ per square kilometre of the Subject PPLs (exclusive of an aggregate area equivalent</td>
</tr>
</tbody>
</table>
to twice the Excluded Field(s) as and when they are determined by the licensees from time to time to the satisfaction of the Minister) per annum), calculated as an aggregate required amount at the end of the respective period, or another amount to be agreed between the parties prior to 2029 as is reasonable having regard to A) the expenditure then carried out under this agreement to 2029, B) the information then known about the petroleum resource within the Subject PPLs and C) the further information required to understand the extent to which production from the area remaining within the Subject PPLs is commercially feasible provided however that any expenditure on Eligible Activity in an area(s) prior to its determination as being twice the Excluded Field area(s) shall be carried over and credited for the respective period.

Carry out a minimum work program commensurate with Eligible Activity expenditure at the rate specified in the immediately preceding term (in \$ per square kilometre of the Subject PPLs (exclusive of an aggregate area equivalent to twice the Excluded Field(s) as and when they are determined by the licensees from time to time to the satisfaction of the Minister) per annum), calculated as an aggregate required amount at the end of the respective period, or another amount to be agreed between the parties prior to 2034 as is reasonable having regard to A) the expenditure then carried out under this agreement to 2034, B) the information then known about the petroleum resource within the Subject PPLs and C) the further information required to understand the extent to which production from the area remaining within the Subject PPLs is commercially feasible provided however that any expenditure on Eligible Activity in an area(s) prior to its determination as being twice the Excluded Field area(s) shall be carried over and credited for the respective period."

5. Condition 6 of each licence is amended:

(a) to replace the words "financial year" where it first appears with the words "period referred to in clauses 5(c) and 5(d)";

(b) after the word "Minister" to add the word "independently" before the words "audited accounts"; and

(c) to replace the words "financial year" on the second occasion it appears with the words "respective period provided however that the licensees shall provide annual interim unaudited reports of the expenditure on Eligible Activity".
6. Condition 7.3 of each licence is amended to delete the words "The inclusion of expenditure on Eligible Activity in a firm or forecast programme and budget is relevant for the purposes of this Clause only if the licensees enter into an undertaking to the Minister to spend the relevant amount of money on Eligible Activity before 31 December 2013."

7. Condition 7 of each licence is amended to add the following words after Condition 7.3 as new Conditions 7.4, 7.5 and 7.6.

7.4 "In the event that expenditure by the licensees on Eligible Activity on or in respect of the Subject PPLs between 1 January 2012 and 2 November 2018 is less than one hundred and ninety million dollars ($190,000,000), the licensees shall on 3 November 2018 be required to relinquish 1% of the aggregate area of the Subject PPLs (exclusive of an aggregate area equivalent to twice the Excluded Field(s) as and when they are determined by the licensees from time to time to the satisfaction of the Minister) for each $1,900,000 by which such expenditure is less than one hundred and ninety million dollars ($190,000,000).

7.5 Subject as hereinafter provided, in the event that expenditure by the licensees on Eligible Activity on or in respect of the Subject PPLs in each period referenced in Clause 5(d) is less than the required amount for each period, the licensees shall, with effect at the commencement of each successive period, be required to relinquish a percentage of the then Subject PPL area (exclusive of an aggregate area equivalent to twice the Excluded Field(s) as and when they are determined by the licensees from time to time to the satisfaction of the Minister) equivalent to the percentage of underspend relative to the total expenditure required by clause 5(d).

7.6 Subject as hereinafter provided, the licensees shall be allowed to carry forward any expenditure on Eligible Activity in excess of the amount required for any period referenced in clauses 5(c) and 5(d) shall be carried over and credited against the expenditure required on Eligible Activity in any succeeding period referenced in clause 5(d)."

8. Condition 8 of each licence is amended after the words "offering as" to add the word "exploration" before the word "licences".

9. Conditions 9 and 10 of each licence are deleted.

10. Condition 11 of each licence is amended:

(a) to replace the words:

"Subject to compliance by the licensees with the requirements set out in this clause, the time for compliance with the expenditure requirements set forth in Clauses 5(a) and (b) which compliance"

with the words:

"Force majeure is defined as events of a duration (in days, weeks or months) where and when firmly planned, on-ground work".

(b) to replace the words:
"shall be extended by the period of delay and none of the Subject PPLs shall be subject in whole or in part to cancellation or forfeiture by reason of such delay."

with the words:

"In the instance of a force majeure event during a period referenced in condition 5(d) then:

(a) the time for compliance with the expenditure requirements set forth in condition 5(d) shall be extended as provided in this condition 9;

(b) none of the Subject PPLs shall be subject in whole or in part to cancellation or forfeiture by reason of such delay;

(c) provided the amount underspent for that period is included in a firm or forecast programme and budget, then none of the Subject PPL area will be relinquished under condition 7.5 at the commencement of the successive period; and

(d) the amount underspent for that period will carry over as part of the total expenditure required for the successive period of condition 5(d),

provided that if the force majeure event occurs during the last period referenced in condition 5(d), then the amount underspent for that period will carry over as part of the total expenditure required under the renewed licence."

(c) to be Condition 9.

11. Condition 12 of each licence is amended to be condition 10.

12. Condition 13(a) of each licence is amended:

(a) after the words "'Eligible Activity' means" to add the words "exploration and appraisal activities consisting of" before the words "geological, geophysical, seismic . . . ."

(b) to replace the words "Nappamerri Trough" with the words "Subject PPLs including pilot developments to enable full development"

(d) to replace the words:

"undertaken exclusively for the production of petroleum for commercial purposes".

with the words:

"of converting an undeveloped proved and probable reserve(s) to a developed proved and probable reserve(s) or activities which are undertaken exclusively for the production of petroleum that are deductible from any royalty on the regulated resources, including treating, processing or refining the substance."

13. Condition 13(d) of each licence is amended to replace the words:

"'Proven Field' means the area over which proved and probable reserves have been reasonably demonstrated to exist, together with surrounding land equal to the first mentioned area"

with the words:
"Excluded Field' means the area(s) over which proved and probable reserves are determined in accordance with the Society of Petroleum Engineers - Petroleum Resources Management System (SPE-PRMS)."

14. Condition 13(e) of each licence is amended to replace the words:

```
101 to 117 (inclusive).
```

with the words:

```
101 to 111 and 113 to 117 (inclusive).
```

15. Condition 13 of each licence is amended to be Condition 11.

Dated: 18 July 2013

[Signature]

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

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. GOLDBEIN
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
Notice is hereby given that pursuant to section 89 of the Petroleum Act 2000, I have accepted the partial surrender of the following Petroleum Production Licence areas, pursuant to delegated powers dated 28 March 2002, Gazetted 11 April 2002, page 1573:

<table>
<thead>
<tr>
<th>No. of Licence</th>
<th>Licensees</th>
<th>Locality</th>
<th>Date of Surrender</th>
<th>Approx. area surrendered in km²</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPL 114</td>
<td>Delhi Petroleum Pty Ltd Origin Energy Resources Limited Vamgas Pty Ltd</td>
<td>Cooper Basin of South Australia</td>
<td>1 January 2009</td>
<td>37.3</td>
<td>28/1/251</td>
</tr>
<tr>
<td>PPL 115</td>
<td>Santos (NARNL Cooper) Pty Ltd Bridge Oil Developments Pty Ltd Alliance Petroleum Aust Pty Ltd Basin Oil Pty Ltd</td>
<td></td>
<td></td>
<td>67.8</td>
<td></td>
</tr>
<tr>
<td>PPL 117</td>
<td>Reef Oil Pty Ltd Santos Petroleum Pty Ltd Santos (BOL) Pty Ltd</td>
<td></td>
<td></td>
<td>33.9</td>
<td></td>
</tr>
</tbody>
</table>

Description of Licence Areas Remaining

**PPL 114**

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

Commencing at a point being the intersection of latitude 27°53'00"S GDA94 and longitude 140°25'40"E AGD66, thence east to longitude 140°30'00"E GDA94, south to latitude 28°03'00"S AGD66, west to longitude 140°25'40"E AGD66 and north to the point of commencement.

Area: 127.7 km² approximately.

**PPL 115**

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

Commencing at a point being the intersection of latitude 27°54'50"S AGD66 and longitude 140°40'20"E GDA94, thence east to longitude 140°50'00"E AGD66, south to latitude 28°00'20"S AGD66, west to longitude 140°38'15"E GDA94, north to latitude 27°58'20"S GDA94, east to longitude 140°39'00"E GDA94, north to latitude 27°56'00"S GDA94, east to longitude 140°40'20"E GDA94 and north to the point of commencement.

Area: 183.6 km² approximately.

**PPL 117**

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

Commencing at a point being the intersection of latitude 28°00'20"S AGD66 and longitude 140°38'15"E GDA94, thence east to longitude 140°40'00"E AGD66, south to latitude 28°02'00"S Clarke1858, west to longitude 140°40'00"E Clarke1858, south to latitude 28°03'00"S Clarke1858, west to longitude 140°38'00"E Clarke1858, south to latitude 28°04'00"S Clarke1858, west to longitude 140°37'00"E Clarke1858, south to latitude 28°05'00"S Clarke1858, west to longitude 140°34'00"E Clarke1858, south to latitude 28°08'00"S AGD66, west to longitude 140°31'00"E AGD66, south to latitude 28°10'00"S AGD66, west to longitude 140°28'00"E Clarke1858, north to latitude 28°10'00"S Clarke1858, west to longitude 140°24'00"E Clarke1858, north to latitude 28°07'00"S AGD66, east to longitude 140°25'40"E AGD66, north to latitude 28°03'00"S AGD66, east to longitude 140°30'00"E GDA94, south to latitude 28°03'55"S GDA94, east to longitude 140°31'05"E GDA94, south to latitude 28°04'00"S GDA94, east to longitude 140°33'15"E GDA94, north to latitude 28°03'55"S GDA94, east to longitude 140°34'25"E GDA94, north to latitude 28°03'05"S GDA94, east to longitude 140°36'20"E GDA94, north to latitude 28°00'50"S GDA94, east to longitude 140°38'15"E GDA94 and north to point of commencement.

Area: 204.9 km² approximately.

Dated 17 June 2009.

B. A. Goldstein,
Director Petroleum and Geothermal Minerals and Energy Resources
Primary Industries and Resources SA
Delegate of the Minister for Mineral Resources Development
MEMORANDUM

PETROLEUM PRODUCTION LICENCES
PPL 114, PPL 115, PPL 117

Partial surrender of these Licences by:

Santos Ltd
Delhi Petroleum Pty Ltd
Origin Energy Resources Limited
Vamgas Pty Ltd
Santos (NARNL Cooper) Pty Ltd
Bridge Oil Developments Pty Ltd
Alliance Petroleum Australia Pty Ltd
Basin Oil Pty Ltd
Reef Oil Pty Ltd
Santos Petroleum Pty Ltd
Santos (BOL) Pty Ltd

with effect from 1 January 2009 is hereby entered on the public registers.

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

Date: 17 June 2009

Ref: 28/1/251
Petroleum Act 2000

PARTIAL SURRENDER OF PETROLEUM PRODUCTION LICENCE
PPL 117

I, BARRY ALAN GOLDSTEIN, Director Petroleum and Geothermal, Minerals and Energy Resources, Department of Primary Industries and Resources, in the State of South Australia, pursuant to the provisions of section 89(2) of the Petroleum Act 2000 and all other enabling powers, for and on behalf of Paul Holloway, Minister for Mineral Resources Development (Minister), pursuant to delegated powers dated 28 March 2002, Gazetted 11 April 2002, page 1573 –

(a) hereby accept partial surrender of the above petroleum production licence in the name of:

Santos Ltd
Delhi Petroleum Pty Ltd
Origin Energy Resources Limited
Vamgas Pty Ltd
Santos (NARNL Cooper) Pty Ltd
Bridge Oil Developments Pty Ltd
Alliance Petroleum Australia Pty Ltd
Basin Oil Pty Ltd
Reef Oil Pty Ltd
Santos Petroleum Pty Ltd
Santos (BOL) Pty Ltd

with effect from 1 January 2009.

(b) the total area of PPL 117 is reduced to 204.9 square kilometres approximately as per the attached Schedule and Map, as a result of partial surrender of the licence area.

Dated: 17 June 2009

[Signature]

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

Ref: 28/1/251
SCHEDULE

PETROLEUM PRODUCTION LICENCE
PPL 117

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°00'20"S AGD66 and longitude 140°38'15"E GDA94, thence east to longitude 140°40'00"E AGD66, south to latitude 28°02'00"S Clarke1858, west to longitude 140°40'00"E Clarke1858, south to latitude 28°03'00"S Clarke1858, west to longitude 140°38'00"E Clarke1858, south to latitude 28°04'00"S Clarke1858, west to longitude 140°37'00"E Clarke1858, south to latitude 28°05'00"S Clarke1858, west to longitude 140°34'00"E Clarke1858, south to latitude 28°08'00"S AGD66, west to longitude 140°31'00"E AGD66, south to latitude 28°10'00"S AGD66, west to longitude 140°28'00"E Clarke1858, north to latitude 28°10'00"S Clarke1858, west to longitude 140°24'00"E Clarke1858, north to latitude 28°07'00"S AGD66, east to longitude 140°25'40"E AGD66, north to latitude 28°03'00"S AGD66, east to longitude 140°30'00"E GDA94, south to latitude 28°03'55"S GDA94, east to longitude 140°31'05"E GDA94, south to latitude 28°04'00"S GDA94, east to longitude 140°33'15"E GDA94, north to latitude 28°03'55"S GDA94, east to longitude 140°34'25"E GDA94, north to latitude 28°03'05"S GDA94, east to longitude 140°36'20"E GDA94, north to latitude 28°00'50"S GDA94, east to longitude 140°38'15"E GDA94, and north to point of commencement.

AREA: 204.9 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 Clarke 1858 datum, the Australian Geodetic Datum (AGD66), the Geocentric Datum of Australia (GDA94) and the schedule.

THE PLAN HEREBEFOREREFERRED TO

NAPPAMERRI TROUGH

PETROLEUM EXPLORATION LICENCE NO:  117

Government of South Australia
Primary Industries and Resources SA

SR 28/1/251  AREA:  204.9  sq km (approx)
Petroleum Act 2000
S.115

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
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
PPL's 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 27, 28,
29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49,
50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 63, 64, 65, 66, 67, 68, 69, 70, 71,
72, 73, 74, 75, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94,
95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111,
112, 113, 114, 115, 116, 117, 119, 120, 124, 126, 127, 128, 129, 130, 132, 133,
134, 135, 137, 138, 139, 140, 141, 143, 144, 145, 146, 148, 149, 150, 151, 153,
154, 155, 157, 159, 160, 161, 162, 163, 164, 165, 166, 169, 170, 171, 172, 173,
174, 175, 176, 177, 178, 179, 180, 181, 183, 184, 185, 186, 188, 189, 190, 192,
193, 195, 196, 198, 199;

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 GOLDFSTEIN
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
GRANT OF PETROLEUM PRODUCTION LICENCES

Department of Primary Industries and Resources, 3 November 1997

NOTICE is hereby given that the undermentioned Petroleum Production Licences have been granted under the provisions of the Petroleum Act 1940.

ROB KERN, Minister for Primary Industries, Natural Resources and Regional Development

<table>
<thead>
<tr>
<th>No. of Licences</th>
<th>Licencees</th>
<th>Locality</th>
<th>Date of Expiry</th>
<th>Area in km²</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>101 to 117</td>
<td>Santos Ltd, Delhi Petroleum Pty Ltd, Vangas Pty Ltd, Boral Energy Resources Ltd, Gulf (Aust.) Resources NL, Alliance Petroleum Australia Pty Ltd, Rep Oil Pty Ltd, Santos Petroleum Pty Ltd, Bridge Oil Developments Pty Ltd, Santos (BOL) Pty Ltd, Basin Oil NL</td>
<td>Nappamerri Trough in the Cooper Basin of South Australia</td>
<td>2 November 2018</td>
<td>4 141.3</td>
<td>SR 28/125</td>
</tr>
</tbody>
</table>

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 27°30'40"S and longitude 140°54'30"E, thence east to the eastern border of the State of South Australia, thence southerly along the border of the said State to latitude 27°57'00"S west to longitude 140°56'40"E, south to latitude 27°58'30"S, west to longitude 140°53'20"E, north to latitude 27°57'00"S, east to longitude 140°54'30"E, south to latitude 27°56'00"S, west to longitude 140°55'00"E, north to latitude 27°55'30"S, east to longitude 140°54'00"E, north to latitude 27°54'00"S, east to longitude 140°54'30"E, south to latitude 27°53'30"S, west to longitude 140°54'00"E, north to latitude 27°52'00"S, east to longitude 140°54'30"E, south to latitude 27°51'30"S, west to longitude 140°54'00"E, north to latitude 27°50'00"S, east to longitude 140°54'30"E, south to latitude 27°48'30"S, west to longitude 140°54'00"E, north to latitude 27°47'30"S, east to longitude 140°54'30"E, south to latitude 27°46'00"S, west to longitude 140°54'00"E, north to latitude 27°44'30"S, east to longitude 140°54'30"E, south to latitude 27°43'00"S, west to longitude 140°54'00"E, north to latitude 27°41'30"S, east to longitude 140°54'00"E, south to latitude 27°40'00"S, west to longitude 140°54'00"E, north to latitude 27°38'30"S, east to longitude 140°54'00"E, south to latitude 27°37'00"S, west to longitude 140°54'00"E, north to latitude 27°35'30"S, east to longitude 140°54'00"E, south to latitude 27°34'00"S, west to longitude 140°54'00"E, north to latitude 27°32'30"S, east to longitude 140°54'00"E, south to latitude 27°31'00"S, west to longitude 140°54'00"E, north to the point of commencement, all the within latitudes and longitudes being geodetic and expressed in terms of the Australian Geodetic Datum as defined on p. 4584 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).

REAL PROPERTY ACT NOTICE

WHEREAS the persons named at the foot hereof have each respectively for himself made application to have the land set forth and described before his name at the foot hereof brought under the operation of the Real Property Act; Notice is hereby given that unless caveat be lodged with the Registrar-General by some person having estate or interest in the said lands on or before the expiration of the period herein below for each case specified, the said several pieces of land will be brought under the operation of the said Act as by law directed. Diagrams delineating these parcels of land may be inspected at the Lands Titles Registration Office, Adelaide, and in the offices of the several corporations or district councils in which the lands are situated.

THE SCHEDULE

<table>
<thead>
<tr>
<th>No. of Application</th>
<th>Description of Property</th>
<th>Name</th>
<th>Residence</th>
<th>Date up to and inclusive of which caveat may be lodged</th>
</tr>
</thead>
<tbody>
<tr>
<td>30557</td>
<td>Allotments 1 and 2 of portion of section 45, Town of Burra (Filed Plan No. 21671) and Sections 2 and 10, Town of Burra (Government Town)</td>
<td>The Uniting Church in Australia Property Trust (S.A.)</td>
<td>33 Pirie Street, Adelaide, S.A. 5000</td>
<td>6 January 1998</td>
</tr>
</tbody>
</table>

Dated 4 November 1997, at the Lands Titles Registration Office, Adelaide.

A. J. SHARMAN, Registrar-General
MEMORANDUM

PETROLEUM PRODUCTION LICENCE NOs 101 - 117

1. These licences granted on 3/11/97 are hereby entered on the Petroleum Register.

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

3. Interests in the licences are as follows:

   - Santos Ltd 40.70%
   - Delhi Petroleum Pty Ltd 20.21%
   - Boral Energy Resources Ltd 13.19%
   - Vangas Pty Ltd 8.51%
   - Gulf (Aust) Resources NL 4.75%
   - Bridge Oil Developments Pty Ltd 3.99%
   - Alliance Petroleum Australia Pty Ltd 3.97%
   - Basin Oil NL 2.10%
   - Reef Oil Pty Ltd 1.97%
   - Santos Petroleum Pty Ltd 0.40%
   - Santos (BOL) Pty Ltd 0.21%

Rob Kerin
MINISTER FOR PRIMARY INDUSTRIES,
NATURAL RESOURCES
AND REGIONAL DEVELOPMENT
I, ROBERT GERARD KERIN, the Minister for Primary Industries, Natural Resources and Regional Development, in the State of South Australia a body corporate under the Administrative Arrangements Act 1994 (‘Minister’), pursuant to the provisions of the Petroleum Act, 1940 and the Cooper Basin (Ratification) Act 1975 and all other enabling powers, HEREBY GRANT JOINTLY to:

- SANTOS LIMITED ACN 007 550 923 of Level 29, 91 King William Street, Adelaide, South Australia (‘Santos’);
- DELHI PETROLEUM PTY LTD ACN 007 854 686 of C/- Esso Australia Ltd., 12 Riverside Quay, Southbank, Victoria (‘Delhi’);
- BORAL ENERGY RESOURCES LIMITED ACN 007 845 338 of 60 Hindmarsh Square, Adelaide, South Australia (‘Boral Energy’);
- VAMGAS PTY LTD ACN 006 245 110 of Level 29, 91 King William Street, Adelaide, South Australia (‘Vungas’);
- GULF (AUST) RESOURCES N.L. ACN 004 761 255 of Level 14, London House, 216 St. Georges Terrace, Perth, Western Australia (‘Gulf’);
- ALLIANCE PETROLEUM AUSTRALIA PTY LTD ACN 004 559 951 of Level 29, 91 King William Street, Adelaide, South Australia (‘Alliance’);
- REEF OIL PTY LTD ACN 000 646 800 of Level 29, 91 King William Street, Adelaide, South Australia (‘Reef’);
- SANTOS PETROLEUM PTY LTD ACN 000 146 369 of Level 29, 91 King William Street, Adelaide, South Australia (‘Santos Petroleum’);
- BRIDGE OIL DEVELOPMENTS PTY LTD ACN 001 152 049 of Level 29, 91 King William Street, Adelaide, South Australia (‘Bridge Oil’);
- SANTOS (BOL) PTY LTD ACN 000 670 575 of Level 29, 91 King William Street, Adelaide, South Australia (‘Santos (BOL)’);
- BASIN OIL NO LIABILITY ACN 000 628 017 of Level 4, 828 Pacific Highway, Gordon, New South Wales (‘Basin’);

a Petroleum Production Licence in respect of the area described hereunder:
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° 00' 20" S and longitude 140° 34' 20" E, thence east to longitude 140° 40' 00" E, south to latitude 28° 02' 00" S, west to longitude 140° 40' 00" E, south to latitude 28° 03' 00" S, west to longitude 140° 38' 00" E, south to latitude 28° 04' 00" S, west to longitude 140° 37' 00" E, south to latitude 28° 05' 00" S, west to longitude 140° 34' 00" E, south to latitude 28° 08' 00" S, west to longitude 140° 31' 00" E, south to latitude 28° 10' 00" S, west to longitude 140° 28' 00" E, north to latitude 28° 10' 00" S, west to longitude 140° 24' 00" E, north to latitude 28° 07' 00" S, east to longitude 140° 25' 40" E, north to latitude 28° 03' 00" S, east to longitude 140° 34' 20" E, and north to the point of commencement, all the within latitudes and longitudes being geodetic and expressed in terms of the Australian Geodetic Datum as defined on p. 4984 of Commonwealth Gazette number 84 dated October 6, 1966, [except those latitudes and longitudes underlined which are expressed in terms of Clarke 1858 Spheroid (Transverse Mercator Projection).

Area: 238.8 square kilometres approximately.

TERMS AND CONDITIONS

By agreement between the Minister and the Producers pursuant to Section 9 of the Cooper Basin (Ratification) Act, 1975 and Clause 6(1) of the Indenture scheduled thereto, and pursuant to the provisions of the Petroleum Act 1940 the following terms and conditions apply to this licence:-

1. Term

   The term of this licence is twenty-one years commencing on and inclusive of the ........1997 subject to the provision as to termination in Clause 9 and with the right, subject to carrying out adequately the obligations of the licence, to renewal from time to time for further terms of twenty-one years on the terms and conditions set forth in this licence other than Clauses 5 to 13 (inclusive).

2. Payment of Fees and Royalty

   The licensees hereby covenant 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 or any other person pursuant to
that Act or the said Regulations.

3. **Sublicensing**

The Minister hereby gives and records his consent to the grant by the licensees of a sub-
licence 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. **Joint interests**

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

<table>
<thead>
<tr>
<th>Licensee</th>
<th>Undivided Interest</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santos</td>
<td>Forty point seven zero percent</td>
<td>(40.70%)</td>
</tr>
<tr>
<td>Delhi</td>
<td>Twenty point two one percent</td>
<td>(20.21%)</td>
</tr>
<tr>
<td>Boral Energy</td>
<td>Thirteen point one nine percent</td>
<td>(13.19%)</td>
</tr>
<tr>
<td>Vangas</td>
<td>Eight point five one percent</td>
<td>(8.51%)</td>
</tr>
<tr>
<td>Gulf</td>
<td>Four point seven five percent</td>
<td>(4.75%)</td>
</tr>
<tr>
<td>Bridge Oil</td>
<td>Three point nine nine percent</td>
<td>(3.99%)</td>
</tr>
<tr>
<td>Alliance</td>
<td>Three point nine seven percent</td>
<td>(3.97%)</td>
</tr>
<tr>
<td>Basin</td>
<td>Two point one zero percent</td>
<td>(2.10%)</td>
</tr>
<tr>
<td>Reef</td>
<td>One point nine seven percent</td>
<td>(1.97%)</td>
</tr>
<tr>
<td>Santos Petroleum</td>
<td>Zero point four zero percent</td>
<td>(0.40%)</td>
</tr>
<tr>
<td>Santos (BOL)</td>
<td>Zero point two one percent</td>
<td>(0.21%)</td>
</tr>
</tbody>
</table>

**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 28 June 1973 and 17 October 1973 respectively to
which the licensees are parties and as the same has been amended and as may hereafter be
amended from time to time.

5. **Eligible Activity Commitment**

The licensees shall expend on Eligible Activity on or in respect of the Subject PPLs:-

(a) during that part of the term of the licence as elapses prior to 1 January, 2004 not
less than an amount of fifty million dollars ($50,000,000); and

(b) during that part of the term of this licence as commences on 1 January 2004 and
expires on 31 December 2013 not less than a further amount of fifty million dollars ($50,000,000) provided that any expenditure on Eligible Activity in
excess of the amount of fifty million dollars referred to in Clause 5(a) shall be
carried over and credited against the expenditure of the further amount of fifty million dollars referred to in this Clause 5(b).

6. Accounts

The licensees shall within 3 months of the end of each financial year provide to the Minister audited accounts of their expenditure on Eligible Activity in respect of the Subject PPLs during that financial year.

7. Relinquishment

7.1 Subject as hereinafter provided, the licensees shall on 1 January 2004 be required to relinquish twenty per centum of the area (exclusive of Excluded Areas) comprised in the Subject PPLs provided that if prior thereto expenditure on Eligible Activity on or in respect of the Subject PPLs exceeds the amount of fifty million dollars ($50,000,000) referred to in Clause 5(a):-

(a) by 20% or more, the relinquishment requirement shall not apply; or

(b) by 1% or more but less than 20%, the relinquishment requirement of 20% shall be proportionally reduced.

7.2 In the event that expenditure by the licensees on Eligible Activity on or in respect of the Subject PPLs prior to 1 January, 2004 is less than fifty million dollars ($50,000,000):-

(a) the licensees shall on 1 January 2004 (following the relinquishment pursuant to Clause 7.1) be required to relinquish 1% of the area (exclusive of Excluded Areas) comprised in the Subject PPLs following the relinquishment pursuant to Clause 7.1 for each $500,000 by which such expenditure is less than fifty million dollars ($50,000,000); and

(b) the expenditure requirement specified in Clause 5(b) shall be reduced by the same percentage as that of the relinquishment pursuant to Clause 7.2(a).

7.3 Subject as hereinafter provided, the licensees shall on 1 January 2009 be required to relinquish ten per centum of the area (exclusive of Excluded Areas) then comprised in the Subject PPLs provided that if the licensees’ expenditure on Eligible Activity on or in respect of the Subject PPLs has exceeded or is committed (by inclusion in the licensees’ firm or forecast programme and budget) to exceed the total amount of one hundred million dollars ($100,000,000) referred to in Clauses 5(a) and 5(b)

(a) by 15% or more, the relinquishment requirement shall not apply; or

(b) by 1% or more but less than 15%, the relinquishment requirement of 10% shall be proportionally reduced.
The inclusion of expenditure on Eligible Activity in a firm or forecast programme and budget is relevant for the purposes of this Clause only if the licensees enter into an undertaking to the Minister to spend the relevant amount of money on Eligible Activity before 31 December 2013.

8. **Configuration of Relinquished Areas**

The location of the area or areas to be so relinquished pursuant to Clause 7 shall be as notified by the licensees to the Minister and shall comprise where technically feasible and having regard to good oil and gas field practice the least number of separate areas or area, and of dimensions reasonably suitable for offering as licences to a third party.

9. **Relinquishment and Surrender if no Production**

Unless the licensees have:

a) commenced Substantial Commercial Production; or

b) demonstrated (by test on a well) to the reasonable satisfaction of the Minister that Substantial Commercial Production is capable of occurring;

on the land comprised in this licence by 31 December 2013, the licensees must then relinquish the land comprised in this licence and apply to the Minister to surrender the licence.

10. **Retention if Reserves Established**

If the licensees have:

(a) commenced Substantial Commercial Production, or

(b) demonstrated (by test on a well) to the reasonable satisfaction of the Minister that Substantial Production is capable of occurring;

on the land comprised in this licence by 31 December 2013, the licensees shall relinquish sufficient area of the licence such that the total area of the licence does not exceed the area of the Proven Field or Fields.

11. **Force Majeure**

Subject to compliance by the licensees with the requirements set out in this clause, the time for compliance with the expenditure requirements set forth in Clauses 5(a) and (b) which compliance is delayed by reason of any circumstances beyond the reasonable control of the licensees or of any of them including but not limited to acts of God act of war (declared or undeclared) earthquake landslides explosions act of public enemies storms floods washaways fire the elements strikes lockouts stoppages bans or other industrial disturbances interruption of supplies breakdowns restraint of labour the order or act of any court or governmental authority or government or any other cause whether
of the kind herein enumerated or otherwise ('force majeure event') shall be extended by
the period of delay and none of the Subject PPLs shall be subject in whole or in part to
cancellation or forfeiture by reason of such delay.

The licensees must:

(a) notify the Minister immediately upon becoming aware of a force majeure event;

(b) give the Minister such information as the Minister reasonably requires with
respect to the force majeure event;

(c) use their best practicable endeavours to minimise the delay caused by the force
majeure event.

12 Rights conferred

Except to the extent that this licence imposes additional obligations on the licensees,
this licence confers on the licensees all of the rights pertaining to a petroleum
production licence contained or referred to in the Cooper Basin (Ratification) Act 1975,
the Indenture scheduled thereto and the Petroleum Act 1940, and this licence is held
subject to the provisions of those statutes and that Indenture.

13. Definitions

In this licence:-

(a) 'Eligible Activity' means geological, geophysical, seismic, drilling and fracture
stimulation activities undertaken in respect of the Nappamerri Trough but
excludes activities undertaken exclusively for the production of petroleum for
commercial purposes.

(b) 'Excluded Area' means the whole of the land comprised in a Subject PPL from
which Substantial Commercial Production is occurring or in which it has been
demonstrated (by test on a well) to the reasonable satisfaction of the Minister that
Substantial Commercial Production is capable of occurring.

(c) 'Nappamerri Trough' means the sub-surface portion of the area comprised in the
Subject PPLs including the geological formations in the Cooper Basin from the
top of the Toolachee Formation to the base of the Merrimelia Formation as
defined in The Geology of South Australia, Vol 2; South Australia Geological

(d) 'Proven Field' means the area over which proved and probable reserves have
been reasonably demonstrated to exist, together with surrounding land equal to
the first mentioned area.

(e) 'Subject PPLs' means Petroleum Production Licences Nos. 101 to 117
(inclusive).
(f) 'Substantial Commercial Production' means production which is reasonably estimated to make at least a commercial rate of return as calculated by a discounted cash flow calculation using a forecast production from the well based on a good petroleum field practice analysis of the test and other data relevant to the well's performance and using actual or reasonable estimates of the costs and timing of the costs resulting from achieving and maintaining production from the well at the assumed rates. The capital cost of a well initially drilled exclusively for exploration may be excluded from the calculation.

SIGNED SEALED AND DELIVERED by the MINISTER FOR PRIMARY INDUSTRIES, NATURAL RESOURCES AND REGIONAL DEVELOPMENT at Adelaide

this ....................day of ....................19 ....

..................................................
Rob Kerin
MINISTER FOR PRIMARY INDUSTRY, NATURAL RESOURCES AND REGIONAL DEVELOPMENT

SIGNED SEALED AND DELIVERED by the LICENSEES at .. ....................Adelaide ..

this ....................day of ....................19 ....

........................30th...OCTOBER...1997
Executed on behalf of ALLIANCE PETROLEUM AUSTRALIA PTY LTD, REEF OIL PTY LTD, SANTOS LIMITED, SANTOS PETROLEUM PTY LTD, BRIDGE OIL DEVELOPMENTS PTY LTD, SANTOS (BOL) PTY LTD, respectively 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

THE COMMON SEAL of BORAL ENERGY RESOURCES LIMITED was hereunto affixed in the presence of:

Secretary

Director
SIGNED, SEALED AND DELIVERED for and on behalf of DELHI PETROLEUM PTY LTD by DOUGLAS ARTHUR SCHWEL its duly authorised Attorney under Power of Attorney dated the 30th day of October 1997, 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

Executed on behalf of GULF (AUST) RESOURCES NO LIABILITY 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 BASIN OIL NO LIABILITY 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
All the within latitudes and longitudes are geodetic and expressed in terms of the Australian Geodetic Datum as defined on page 4984 of Commonwealth Gazette number 84 dated 6 October 1966, except those latitudes and longitudes underlined which are expressed in terms of Clarke 1858 Spheroid (Transverse Mercator Projection)

SANTOS LTD. DELHI PETROLEUM PTY. LTD. BORAL ENERGY RESOURCES LTD.
VAMGAS PTY. LTD. GULF (AUST) RESOURCES N.L. BASIN OIL N.L. REEF OIL PTY.
LTD. ALLIANCE PETROLEUM AUSTRALIA PTY. LTD. BRIDGE OIL DEVELOPMENTS PTY.
LTD. SANTOS PETROLEUM PTY. LTD. SANTOS (BOL) PTY. LTD.

PETROLEUM PRODUCTION LICENCE NO. 117

SCALE 1 : 200 000

KILometRES

SR 28/1/251 AREA: 238.8 sq km (approx)
THE SCHEDULE HEREBEFORE REFERRED TO

THIS DEED OF SUB-LICENCE made the day of 1997

BETWEEN:

- SANTOS LIMITED ACN 007 550 923 of Level 29, 91 King William Street, Adelaide, South Australia ("Santos");

- DELHI PETROLEUM PTY. LTD. ACN 007 854 686 of 12 Riverside Quay, Southbank, Victoria ("Delhi");

- BORAL ENERGY RESOURCES LIMITED ACN 007 845 338 of 60 Hindmarsh Square, Adelaide, South Australia ("Boral Energy");

- VAMGAS PTY. LTD. ACN 006 245 110 of Level 29, 91 King William Street, Adelaide, South Australia ("Vamgas");

- GULF (AUST) RESOURCES N.L. ACN 004 761 255 of Level 14 London House, 216 St. Georges Terrace, Perth, Western Australia ("Gulf");

- ALLIANCE PETROLEUM AUSTRALIA PTY LTD ACN 004 559 951 of Level 29, 91 King William Street, Adelaide, South Australia ("Alliance");

- REEF OIL PTY. LTD. ACN 000 646 800 of Level 29, 91 King William Street, Adelaide, South Australia ("Reef");

- SANTOS PETROLEUM PTY. LTD. ACN 000 146 369 of Level 29, 91 King William Street, Adelaide, South Australia ("Santos Petroleum");

- BRIDGE OIL DEVELOPMENTS PTY. LTD. ACN 001 152 049 of Level 29, 91 King William Street, Adelaide, South Australia ("Bridge Oil");

- SANTOS (BOL) PTY. LTD. ACN. 000 670 575 of Level 29, 91 King William Street, Adelaide, South Australia ("Santos (BOL)"); and
• **BASIN OIL NO LIABILITY** ACN 000 628 017 of Level 4, 828 Pacific Highway, Gordon, New South Wales ("Basin");

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

OF THE ONE PART

AND

• **SANTOS LIMITED** ACN 007 550 923 of Level 29, 91 King William Street, Adelaide, South Australia ("Santos");

• **DELLI PETROLEUM PTY. LTD.** ACN 007 854 686 of C/- Esso Australia Ltd., 12 Riverside Quay, Southbank, Victoria ("Delhi");

• **BORAL ENERGY RESOURCES LIMITED** ACN 007 845 338 of 60 Hindmarsh Square, Adelaide, South Australia ("Boral Energy");

• **VAMGAS PTY. LTD.** ACN 006 245 110 of Level 29, 91 King William Street, Adelaide, South Australia ("Vamgas");

• **GULF (AUST) RESOURCES N.L.** ACN 004 761 255 of Level 14 London House, 216 St. Georges Terrace, Perth, Western Australia ("Gulf");

• **ALLIANCE PETROLEUM AUSTRALIA PTY LTD** ACN 004 559 951 of Level 29, 91 King William Street, Adelaide, South Australia ("Alliance");

• **REEF OIL PTY. LTD.** ACN 000 646 800 of Level 29, 91 King William Street, Adelaide, South Australia ("Reef");

• **SANTOS PETROLEUM PTY. LTD.** ACN 000 146 369 of Level 29, 91 King William Street, Adelaide, South Australia ("Santos Petroleum");
• BRIDGE OIL DEVELOPMENTS PTY. LTD. ACN 001 152 049 of Level 29, 91 King William Street, Adelaide, South Australia ("Bridge Oil");

• SANTOS (BOL) PTY. LTD. ACN 000 670 575 of Level 29, 91 King William Street, Adelaide, South Australia ("Santos (BOL)"); and

• BASIN OIL NO LIABILITY ACN 000 628 017 of Level 4, 828 Pacific Highway, Gordon, New South Wales ("Basin");

(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 Licensees are the holders of Petroleum Production Licence No. [ ] granted by the Minister for Primary Industries, Natural Resources and Regional Development in the State of South Australia pursuant to the provisions of the Petroleum Act 1940, the Cooper Basin (Ratification) Act 1975 and all other enabling powers 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 appraisal, 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. By agreement between the Minister and the Producers pursuant to Section 9 of the Cooper Basin (Ratification) Act 1975 and Clause 6(1) of the Indenture scheduled thereto the Licensors with the consent of the Minister have agreed to grant and the Licensees have agreed to accept a sub-licence to exercise the rights specified in Clause 1.1 upon the conditions specified in the other Clauses of this sub-licence.
NOW THIS DEED WITNESSETH AS FOLLOWS:

1. Grant and Term

1.1 The Licensors with the consent of the Minister for Primary Industries, Natural Resources and Regional Development in the State of South Australia hereby grant to each of the Licensees severally the exclusive right during the term specified in Clause 1.3 (with the right of renewal therein contained) subject to the provisions of this sub-licence to exercise in or in respect to 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") all of the rights pertaining to the said Petroleum Production Licence [_____] contained or referred to in the Cooper Basin (Ratification) Act 1975, the Indenture scheduled thereto and the Petroleum Act 1940 including, without limitation, to:

(a) conduct operations for the appraisal and production of petroleum from the Unitized Zone and subject to Clause 1.2 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 Licensors 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 1.1.

1.2 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 1.1 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 and of Clause 9 of the Fixed Factor Settlement Agreement dated 5 December 1996 which refer 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 Additional Plant Products Unit Participation or Participations in accordance with the provisions of the Unit Agreement.

1.3 The term of this sub-licence is twenty-one years commencing on and inclusive of the 1997 subject to the provision as to termination in Clause 7 and with the right, subject to carrying out adequately the obligations of the sub-licence, to renewal from time to time for further terms of twenty-one years on the terms and conditions set forth in this sub-licence other than Clauses 3 to 9 (inclusive).

2. **Payment of Fees and Royalty**

The Licensees hereby jointly and severally covenant with the Licensors that they will make payment in accordance with the Unit Agreement of the yearly rent provided under the Petroleum Act 1940 and of the royalty referred to in the Cooper Basin (Ratification) Act 1975 in respect of the production referred to in Clause 1 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 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 or any other person pursuant to that Act or the said Regulations.

3. **Eligible Activity Commitment**

The Licensees hereby covenant with the Licensors that they will discharge on behalf of the Licensors the obligations of the Licensors under Clause 5 of the said Petroleum Production Licence No. [ ] by expending on Eligible Activity on or in respect of the Nappamerri Trough Unitized Zones underlying the Subject PPLs:
(a) during that part of the term of the sub-licence as elapses prior to 1 January 2004 not less than an amount of fifty million dollars ($50,000,000); and

(b) during that part of the term of this sub-licence as commences on 1 January 2004 and expires on 31 December 2013 not less than a further amount of fifty million dollars ($50,000,000) provided that any expenditure on Eligible Activity in excess of the amount of fifty million dollars referred to in Clause 3(a) shall be carried over and credited against the expenditure of the further amount of fifty million dollars referred to in this Clause 3(b).

4. Accounts

The Licensees shall within 3 months of the end of each financial year provide audited accounts of their expenditure on Eligible Activity in respect of the Nappamerri Trough Unitized Zones underlying the Subject PPLs during that financial year.

5. Relinquishment

5.1 Subject as hereinafter provided, the Licensees shall on 1 January 2004 be required to relinquish to the Licensors twenty per centum of the area (exclusive of Excluded Areas) of the Nappamerri Trough Unitized Zones underlying the Subject PPLs provided that if prior thereto expenditure on Eligible Activity on or in respect of the Nappamerri Trough Unitized Zones underlying the Subject PPLs exceeds the amount of fifty million dollars ($50,000,000) referred to in Clause 3(a):

(a) by 20% or more, the relinquishment requirement shall not apply; or

(b) by 1% or more but less than 20%, the relinquishment requirement of 20% shall be proportionally reduced.

5.2 In the event that expenditure by the Licensees on Eligible Activity on or in respect of the Nappamerri Trough Unitized Zones underlying the Subject PPLs prior to 1 January 2004 is less than fifty million dollars ($50,000,000):

(a) the Licensees shall on 1 January 2004 (following relinquishment pursuant to Clause 5.1) be required to relinquish to the Licensors 1% of the area
(exclusive of Excluded Areas) of the Nappamerri Trough Unitized Zones underlying the Subject PPLs following the relinquishment pursuant to Clause 5.1 for each $500,000 by which such expenditure is less than fifty million dollars ($50,000,000); and

(b) the expenditure requirement specified in Clause 3(b) shall be reduced by the same percentage as that of the relinquishment pursuant to Clause 5.2(a).

5.3 Subject as hereinafter provided, the Licensees shall on 1 January 2009 be required to relinquish to the Licensors ten per centum of the area (exclusive of Excluded Areas) of the Nappamerri Trough Unitized Zones then underlying the Subject PPLs provided that if the Licensees' expenditure on Eligible Activity on or in respect of the Nappamerri Trough Unitized Zones underlying the Subject PPLs has exceeded or is committed (by inclusion in the Licensees' firm or forecast programme and budget) to exceed the total amount of one hundred million dollars ($100,000,000) referred to in Clauses 3(a) and 3(b):

(a) by 15% or more, the relinquishment requirement shall not apply; or

(b) by 1% or more but less than 15%, the relinquishment requirement of 10% shall be proportionally reduced.

The inclusion of expenditure on Eligible Activity in a firm or forecast programme and budget is relevant for the purposes of this Clause only if the Licensees enter into an undertaking to the Licensors to spend the relevant amount of money on Eligible Activity before 31 December 2013.

6. Configuration of Relinquished Areas

The location of the area or areas to be so relinquished pursuant to Clause 5 shall be as notified by the Licensors and shall comprise where technically feasible and having regard to good oil and gas field practice the least number of separate areas or area, and of dimensions reasonably suitable for offering as licences by the Minister to a third party.
7. **Relinquishment and Surrender if no Production**

Unless the Licensees or the Licensors have:

(a) commenced Substantial Commercial Production; or

(b) demonstrated (by test on a well) to the reasonable satisfaction of the Minister that Substantial Commercial Production is capable of occurring;

on the land comprised in the said Petroleum Production Licence No. [ ] by 31 December 2013, the Licensees must then relinquish to the Licensors this sub-licence.

8. **Retention if Reserves Established**

If the Licensees or Licensors have:

(a) commenced Substantial Commercial Production, or

(b) demonstrated (by test on a well) to the reasonable satisfaction of the Minister that Substantial Commercial Production is capable of occurring;

on the land comprised in the said Petroleum Production Licence No. [ ] by 31 December 2013, the Licensees shall relinquish to the Licensors such area of the Unitized Zone as the Licensors may direct so as to enable the Licensors to comply with their obligations under Clause 10 of the said Petroleum Production Licence No. [ ].

9. **Force Majeure**

Subject to compliance by the Licensees with the requirements set out in this Clause, the time for compliance with the expenditure requirements set forth in Clauses 3(a) and 3(b) which compliance is delayed by reason of any circumstances beyond the reasonable control of the Licensees or of any of them including but not limited to acts of God, acts of war (declared or undeclared), earthquake, landslides, explosions, acts of public enemies, storms, floods, washaways, fire, the elements, strikes, lockouts, stoppages, bans or other industrial disturbances, interruption of supplies, breakdowns, restraint of labour, the order
or act of any court or government authority or government, or any other cause whether of
the kind herein enumerated or otherwise ("force majeure event") shall be extended by the
period of delay and none of the sub-licences granted out of the Subject PPLs shall be
subject in whole or in part to cancellation or forfeiture by reason of such delay.

The Licensees must:

(a) notify the Licensors immediately upon becoming aware of a force majeure event;

(b) give the Licensors such information as the Minister reasonably requires of the
Licensors with respect to the force majeure event;

(c) use their best practicable endeavours to minimise the delay caused by the force
majeure event.

10. Licensors’ Obligations

Subject to the due compliance by the Licensees with their obligations under this sub-
licence (including, without limitation, their obligations under Clause 3) 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. [ ] so far as the same are not
required to be performed by the Licensees under this sub-licence;

(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 sub-licence on the same terms and conditions (other
than Clauses 3 to 9 inclusive) during any renewed term of the said Petroleum
Production Licence No. [ ] for such period as aforesaid.
11. Assignment

The rights of the Licensees or any of them granted pursuant to the foregoing provisions of this 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 of Clause 10 of the Fixed Factor Settlement Agreement dated 5 December 1996 and subject to Section 42 of the said Petroleum Act 1940 and Clause 14.2 of the Indenture scheduled in the Cooper Basin (Ratification) Act 1975.

12. Definitions

In this sub-licence:

(a) "Eligible Activity" means geological, geophysical, seismic, drilling and fracture stimulation activities undertaken in respect of the Nappamerri Trough Unitized Zones but excludes activities undertaken exclusively for the production of petroleum for commercial purposes.

(b) "Excluded Area" means the whole of the land comprised in a Subject PPL from which Substantial Commercial Production is occurring or in which it has been demonstrated (by test on a well) to the reasonable satisfaction of the Minister that Substantial Commercial Production is capable of occurring.

(c) "Nappamerri Trough Unitized Zones" means that sub-surface portion of the area comprised in the Subject PPLs being the geological formations in the Cooper Basin from the top of the Toolachee Formation to the base of the Merrimelia Formation as defined in The Geology of South Australian, Vol 2; South Australian Geological Survey; ISBN 0730806219.

(d) "Proven Field" means the area over which proved and probable reserves have been reasonably demonstrated to exist, together with surrounding area equal to the first mentioned area.
(e) "Subject PPLs" means Petroleum Production Licences Nos. .......... to .......... (inclusive).

(f) "Substantial Commercial Production" means production which is reasonably estimated to make at least a commercial rate of return as calculated by a discounted cash flow calculation using a forecast production from the well based on a good petroleum field practice analysis of the test and other date relevant to the well's performance and using actual or reasonable estimates of the costs and timing of the costs resulting from achieving and maintaining production from the well at the assumed rates. The capital cost of a well initially drilled exclusively for exploration may be excluded from the calculation.

THE SCHEDULE

Description of Unitized Zone

That sub-surface portion of the area comprised in Petroleum Production Licence No. [     ] being the geological formations in the Cooper Basin from the top of the Toolachee Formation to the base of the Merrimelit Formation as defined in The Geology of South Australia, Vol 2; South Australian Geological Survey; ISBN 0730806219.
IN WITNESS THEREOF the Parties hereto sign, seal and deliver the foregoing presents and have hereunto set their respective hands and seals as of the day and year first above written.

Executed on behalf of ALLIANCE
PETROLEUM AUSTRALIA PTY. LTD.,
REEF OIL PTY. LTD., SANTOS LIMITED, SANTOS PETROLEUM PTY. LTD., BRIDGE OIL DEVELOPMENTS PTY. LTD., SANTOS (BOL) PTY. LTD.,
and VAMGAS PTY. LTD., respectively 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

THE COMMON SEAL of BORAL ENERGY RESOURCES 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 199 , 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

Executed on behalf of GULF (AUST) RESOURCES NO LIABILITY 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 BASIN OIL NO LIABILITY 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
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