

## INDEX OF DOCUMENTS HELD ON THE PUBLIC REGISTER FOR PPL 200

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1. 30 October 2006 Grant of Petroleum Production Licence PPL 200  
Interests:-

Santos Limited	25.60%
Origin Energy Resources Ltd	10.54%
Delhi Petroleum Pty Ltd	17.14%
Santos (NARNL Cooper) Pty Ltd	2.97%
Vamgas Pty Ltd	43.75%
2. 30 October 2006 Memorandum entering PPL 200 on the public register and notation of receipt of security.
3. 2 November 2006 Gazettal of Grant of PPL 200.
4. 8 September 2009 Consolidation of licence areas PPL 142 and PPL 200 (now PPL 229).
5. 8 September 2009 Memorandum entering consolidation on public register.

**Petroleum Act 2000  
S.115**

**MEMORANDUM**

**PETROLEUM PRODUCTION LICENCES  
PPL 142, PPL 200, PPL 229**

1. Partial surrender of PPL 142, with effect from 1 July 2008;
2. Revocation of Condition (c) of PPL 142;
3. Consolidation of PPL 142 and PPL 200 (now PPL 229);
4. Grant of Petroleum Production Licence PPL 229; and
5. Revocation of PPL 142 and PPL 200

is hereby entered on the public registers.

Holders: Santos Ltd  
Delhi Petroleum Pty Ltd  
Origin Energy Resources Limited  
Vamgas Pty Ltd  
Santos (NARNL Cooper) Pty Ltd



**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: 8 September 2009

Ref: 28/1/311  
28/1/336  
28/1/436

# Petroleum Act 2000

## PARTIAL SURRENDER, REVOCATION OF CONDITION, CONSOLIDATION OF LICENCE AREAS

### PETROLEUM PRODUCTION LICENCES PPL 142 and PPL 200

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 the *Petroleum Act 2000* (the Act) and all other enabling powers, for and on behalf of Paul Holloway, Minister for Mineral Resources Development (Minister), pursuant to delegated powers –

1. in fulfilment of Condition (c) of PPL 142, hereby accept partial surrender of Petroleum Production Licence PPL 142 pursuant to section 89 of the Act, with effect from 1 July 2008.

The total area of PPL 142 is reduced to 5.98 square kilometres approximately, as a result of partial surrender of the licence area.

2. hereby revoke Condition (c) of the licence conditions of PPL 142 pursuant to section 76(3)(b) of the Act, following the fulfilment of the conditions of the Patchawarra East Deed dated 23 July 1999, as subsequently amended by Deed to Amend Patchawarra East Area Deeds dated 24 October 2005.

3. hereby accept partial surrender of Petroleum Production Licence PPL 200 pursuant to section 89 of the Act, with effect from 1 July 2008.

The total area of PPL 200 is reduced to 0.82 square kilometres approximately, as a result of partial surrender of the licence area.

4. pursuant to section 82 of the Act hereby consolidate the retained areas of Petroleum Production Licences PPL 142 and PPL 200, so forming Petroleum Production Licence PPL 229, as a new licence in continuity of PPL 142 and PPL 200.

5. As a consequence of the consolidation, PPL 142 and PPL 200 are hereby revoked.

Date: 8 September 2009



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

The following signatures evidence the consent of the licensees to the revocation of Condition (c) of PPL 142 and consolidation of the areas of PPL 142 and PPL 200, to be known as PPL 229:

Executed for and on behalf of:

**Santos Ltd**  
**Vamgas Pty Ltd**  
**Santos (NARNL Cooper) Pty Ltd**

by its duly appointed attorney:

**Demitra Ritossa**

.....  
Name (print)

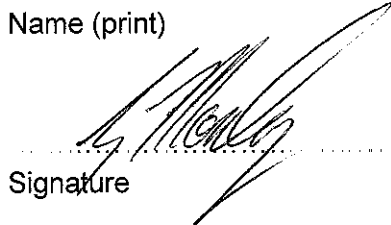


.....  
Signature

Signed for and on behalf of **Delhi Petroleum Pty Ltd** by its authorised representative:

**Gordon Moseby**  
Production Manager

.....  
Name (print)

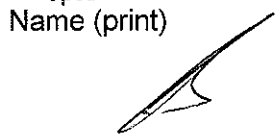


.....  
Signature

Signed for and on behalf of **Origin Energy Resources Ltd** by its ~~authorised representative~~ *duly appointed attorney*.

**Owen Hobbs**  
**Eastern Australia Onshore Asset Manager**  
Upstream Oil & Gas Australia

.....  
Name (print)



.....  
Signature

## PETROLEUM ACT 2000

*Grant of Petroleum Production Licences—PPL 200 and PPL 201*

PURSUANT to section 92 (1) of the Petroleum Act 2000, notice is hereby given that the abovementioned Petroleum Production Licences have been granted with effect from 30 October 2006, under the provisions of the Petroleum Act 2000, pursuant to delegated powers dated 28 March 2002, *Gazetted* 11 April 2002, page 1573.

*Description of Areas*

No. of Licence	Licensees	Locality	Area in km <sup>2</sup>	Reference
PPL 200	Santos Limited Origin Energy Resources Ltd Delhi Petroleum Pty Ltd Santos (NARNL Cooper) Pty Ltd Vamgas Pty Ltd	Cooper Basin of South Australia	1.7	27/02/248
PPL 201	Santos Limited Origin Energy Resources Ltd Delhi Petroleum Pty Ltd Santos (NARNL Cooper) Pty Ltd Vamgas Pty Ltd	Cooper Basin of South Australia	4.92	27/02/336

*PPL 200*

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

Commencing at a point being the intersection of latitude 27°19'30"S AGD66 and longitude 140°13'30"E AGD66, thence east to longitude 140°13'35"E AGD66, south to latitude 27°20'05"S AGD66, east to longitude 140°13'42.5"E AGD66, south to latitude 27°20'27.5"S AGD66, east to longitude 140°13'45"E AGD66, south to latitude 27°20'35"S AGD66, east to longitude 140°13'50"E AGD66, south to latitude 27°20'37.5"S AGD66, east to longitude 140°13'52.5"E AGD66, south to latitude 27°21'02.5"S AGD66, west to longitude 140°13'50"E AGD66, south to latitude 27°21'05"S AGD66, west to longitude 140°13'47.5"E AGD66, south to latitude 27°21'30"S AGD66, east to longitude 140°13'50"E AGD66, south to latitude 27°21'42.5"S AGD66, west to longitude 140°13'47.5"E AGD66, south to latitude 27°21'52.5"S AGD66, west to longitude 140°13'45"E AGD66, south to latitude 27°22'00"S AGD66, west to longitude 140°13'42.5"E AGD66, south to latitude 27°22'02.5"S AGD66, west to longitude 140°13'40"E AGD66, south to latitude 27°22'10"S AGD66, west to longitude 140°13'22.5"E AGD66, south to latitude 27°22'12.5"S AGD66, west to longitude 140°13'02.5"E AGD66, south to latitude 27°22'22.5"S AGD66, west to longitude 140°12'57.5"E AGD66, south to latitude 27°22'25"S AGD66, west to longitude 140°12'45"E AGD66, south to latitude 27°22'30"S AGD66, west to longitude 140°12'42.5"E AGD66, south to latitude 27°22'32.5"S AGD66, west to longitude 140°12'37.5"E AGD66, south to latitude 27°22'35"S AGD66, west to longitude 140°12'30"E AGD66, south to latitude 27°22'40"S AGD66, west to longitude 140°12'27.5"E AGD66, south to latitude 27°22'42.5"S AGD66, west to longitude 140°12'25"E AGD66, south to latitude 27°23'10"S AGD66, west to longitude 140°12'20"E AGD66, north to latitude 27°22'30"S AGD66, east to longitude 140°12'40"E AGD66, north to latitude 27°22'20"S AGD66, east to longitude 140°13'00"E AGD66, north to latitude 27°22'10"S AGD66, east to longitude 140°13'10"E AGD66, north to latitude 27°22'00"S AGD66, east to longitude 140°13'20"E AGD66, north to latitude 27°21'50"S AGD66, east to longitude 140°13'30"E AGD66, north to latitude 27°21'40"S AGD66, east to longitude 140°13'40"E AGD66, north to latitude 27°21'00"S AGD66, east to longitude 140°13'50"E AGD66, north to latitude 27°20'40"S AGD66, west to longitude 140°13'40"E AGD66, north to latitude 27°20'10"S AGD66, west to longitude 140°13'30"E AGD66 and north to the point of commencement.

Area: 1.7 km<sup>2</sup> approximately.

*PPL 201*

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

Commencing at a point being the intersection of latitude 27°24'00"S AGD66 and longitude 140°12'10"E AGD66, thence east to longitude 140°12'20"E AGD66, south to latitude 27°24'35"S AGD66, east to longitude 140°12'25"E AGD66, south to latitude 27°25'40"S AGD66, west to longitude 140°12'20"E AGD66, south to latitude 27°25'50"S AGD66, west to longitude 140°12'10"E AGD66, south to latitude 27°26'10"S AGD66, west to longitude 140°11'20"E AGD66, north to latitude 27°25'50"S AGD66, east to longitude 140°11'30"E AGD66, north to latitude 27°24'40"S AGD66, east to longitude 140°11'40"E AGD66, north to latitude 27°24'30"S AGD66, east to longitude 140°11'50"E AGD66, north to latitude 27°24'20"S AGD66, east to longitude 140°12'00"E AGD66, north to latitude 27°24'10"S AGD66, east to longitude 140°12'10"E AGD66 and north to the point of commencement.

Area: 4.92 km<sup>2</sup> approximately.

Dated 30 October 2006.

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

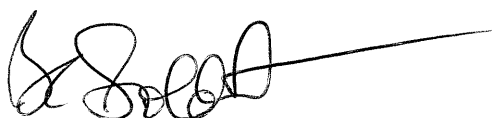
**Petroleum Act 2000  
S.115**

**MEMORANDUM**

**PETROLEUM PRODUCTION LICENCES  
PPL 200 AND PPL 201**

1. These Licences granted on 30 October 2006 are hereby entered on the public register.
  
2. Interests in the licence are:-

Santos Limited	25.60%
Origin Energy Resources Ltd	10.54%
Delhi Petroleum Pty Ltd	17.14%
Santos (NARNL Cooper) Pty Ltd	2.97%
Vamgas Pty Ltd	43.75%
  
3. Notation of receipt of security in the form of a Bank Guarantee dated 27 October 2005 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: 30 October 2006

Ref: 27/2/248  
27/2/336

# ***Petroleum Act 2000***

## **PETROLEUM PRODUCTION LICENCE**

### **PPL 200**

I, BARRY ALAN GOLDSTEIN, Director Petroleum and Geothermal, Department of Primary Industries and Resources in the State of South Australia, pursuant to the provisions 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 (refer Government Gazette dated 11 April 2002, page 1573), HEREBY GRANT to:

**Vamgas Pty Ltd** ACN 006 245 110  
**Santos Limited** ACN 007 550 923  
**Delhi Petroleum Pty Ltd** ACN 007 854 686  
**Origin Energy Resources Limited** ACN 007 845 338  
**Santos (NARNL Cooper) Pty Ltd** ACN 004 761 255

(herein after referred to as the 'Licensees') a Production Licence, in relation to all regulated resources except a source of geothermal energy in respect of the area described below, and subject to the conditions set out below and the provisions of the *Petroleum Act 2000*, to have effect from the 30 October 2006.

#### **DESCRIPTION OF AREA**

BAG

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

#### **TERMS AND CONDITIONS**

1. For the purpose of ensuring the due and proper performance of the Licensee's obligations under this Licence and the Act, the Licensee shall provide security in the amount of \$50,000 in the form of either:
  - (a) cash; or
  - (b) an unconditional, irrevocable bank guarantee or letter of credit in a form, and from a financial institution, approved by the Minister,  
  
("the Security").

- 1.1 The Security shall be reviewed periodically, and during the term of the Licence if in the opinion of the Minister it is reasonable to increase the Security amount, provide additional security or substitute another security for the existing Security, the Licensee must comply with the Minister's request within 28 days after being requested in writing by the Minister so to do.
  - 1.2 Interest will not be payable by the Minister to the Licensee on any cash Security.
  - 1.3 All charges incurred by the Licensee in obtaining and maintaining the Security shall be met by the Licensee.
  - 1.4 If upon expiry, this Licence is not renewed and the Minister is satisfied that there are no further obligations under this Licence or the Act, the Minister will return the Security to the Licensee.
2. The Licensee must:
- (a) upon commencement of regulated activities under this licence, maintain in force during the term of this licence public liability insurance to cover regulated activities under this licence (including sudden and accidental pollution) in the name of the Licensee for a sum not less than twenty million dollars (\$20,000,000.00) or such greater sum as specified by the Minister, and make such amendments to the terms and conditions of the insurance as the Minister may from time to time require;
  - (b) maintain in force during the drilling of any well or operation in any well, control of well insurance in the name of the Licensee for a sum not less than ten million dollars (\$10,000,000.00) or such greater sum as specified by the Minister, and make such amendments to the terms and conditions of the insurance as the Minister may from time to time require;
  - (c) upon request by the Minister, provide the Minister with a cover note or certificate of currency of each insurance policy referred to in paragraphs (a) and (b).
3. The Minister in specifying the levels of insurance accepts no liability for the completeness of their listing, the adequacy of the sum insured, the limit of liability, the scoped coverage, the conditions or exclusions of these insurances in respect to how they may or may not respond to any loss, damage or liability.
4. A contract or agreement entered into by the licensee to transfer or accept liability for any well or facility constructed for the purpose of undertaking a regulated activity under the *Petroleum Act, 1940* or *2000* cannot transfer, limit or exclude liability under the *Petroleum Act 2000* unless written consent of the Minister is obtained.

Date: 30 October .....2006



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

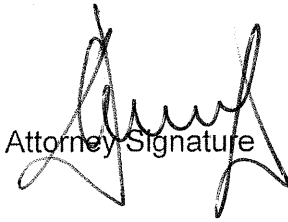
Executed for and on behalf of:

**Santos Limited  
Vamgas Pty Ltd  
Santos (NARNL Cooper) Pty Ltd**

by being signed sealed and delivered by its duly appointed attorney in the presence of:

**Wesley Jon Gianville**

Name (print)

  
Attorney Signature

**CHRISTINE MANUEL**

Witness Name (print)

  
Witness Signature

Signed for and on behalf of **Delhi Petroleum Pty Ltd** in the presence of:

**Hector Gordon**  
Name (print)

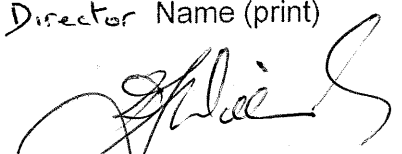
  
Attorney Signature  
Director

**Candace Moore**  
Legal & Corporate Assistant  
Witness Name (print)


  
Witness Signature

Signed for and on behalf of **Origin Energy Resources Ltd** in the presence of:

**DIRECTOR  
ROBERT JAN WILLINK**  
Director Name (print)

  
Director ~~Attorney~~ Signature

**Bruce John Atkinson**  
Company Secretary ~~Witness~~ Name (print)

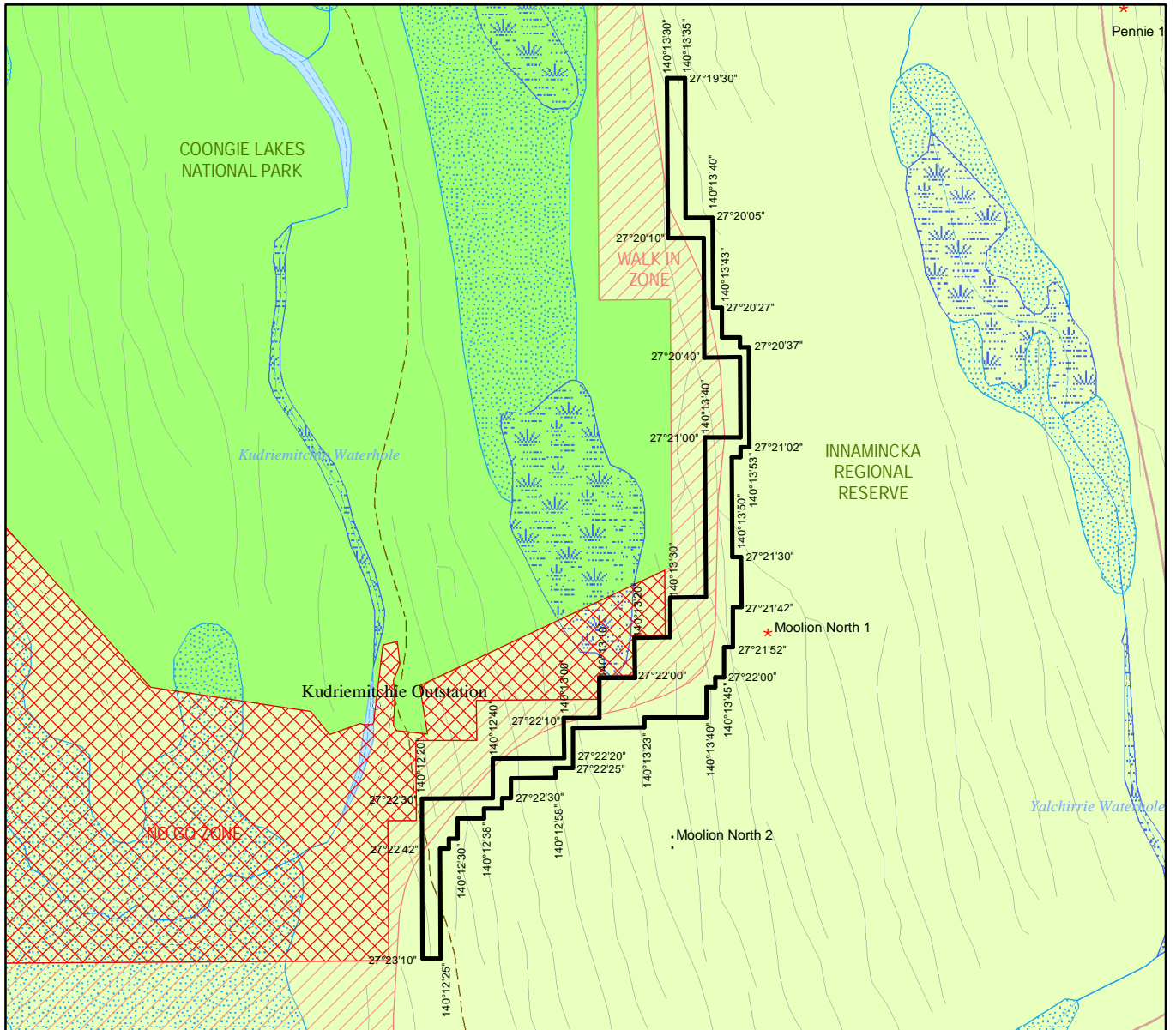
  
Company Secretary ~~Witness~~ Signature

**THE SCHEDULE**  
**PETROLEUM PRODUCTION LICENCE**  
**PPL 200**  
**DESCRIPTION OF AREA**

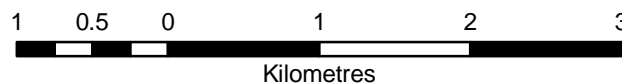
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AREA: 1.7 square kilometres approximately.



SCALE 1:50 000



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

THE PLAN HEREINBEFORE REFERRED TO

**MOOLION NORTH FIELD**

**PETROLEUM PRODUCTION LICENCE NO: 200**



Government of South Australia  
Primary Industries and Resources SA

SR 28/1/336

AREA: 1.7 sq km (approx)