

**INDEX OF DOCUMENTS HELD ON THE PETROLEUM REGISTER FOR
ASSOCIATED ACTIVITIES LICENCE AAL 163**

1. 6 October 2011 Grant of Associated Activities Licence AAL 163.
- Interests in the licence are:-
- | | |
|--------------------------------------|--------|
| Santos Ltd | 40.70% |
| Vamgas Pty Ltd | 8.51% |
| Alliance Petroleum Australia Pty Ltd | 3.97% |
| Reef Oil Pty Ltd | 1.97% |
| Santos Petroleum Pty Ltd | 0.40% |
| Bridge Oil Developments Pty Ltd | 3.99% |
| Santos (BOL) Pty Ltd | 0.21% |
| Origin Energy Resources Ltd | 13.19% |
| Delhi Petroleum Pty Ltd | 20.21% |
| Basin Oil Pty Ltd | 2.10% |
| Santos (NARNL Cooper) Pty Ltd | 4.75% |
2. 6 October 2011 Memorandum entering grant of licence on the public register.
3. 13 October 2011 Gazettal of grant of licence.

PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

*Grant of Associated Activities Licence—AAL 163
(Adjunct to Petroleum Production Licence PPL 140)*

NOTICE is hereby given that the undermentioned Associated Activities Licence has been granted under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 1 October 2009.

No. of Licence	Licencees	Locality	Reference
AAL 163	Santos Ltd (Operator) Vamgas Pty Ltd Alliance Petroleum Australia Pty Ltd Reef Oil Pty Ltd Santos Petroleum Pty Ltd Bridge Oil Developments Pty Ltd Santos (BOL) Pty Ltd Origin Energy Resources Ltd Delhi Petroleum Pty Ltd Basin Oil Pty Ltd Santos (NARNL Cooper) Pty Ltd	Cooper Basin	F2011/000419

Description of Area

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

Commencing at a point being the intersection of latitude 27°52'00"S GDA94 and longitude 139°49'30"E GDA94, thence east to longitude 139°52'10"E AGD66, south to latitude 27°52'20"S AGD66, west to longitude 139°51'20"E AGD66, south to latitude 27°57'00"S AGD66, east to longitude 139°56'00"E GDA94, south to latitude 27°58'00"S GDA94, west to longitude 139°55'00"E GDA94, south to latitude 27°59'00"S GDA94, west to longitude 139°50'00"E GDA94, north to latitude 27°58'00"S AGD66, east to longitude 139°50'00"E AGD66, north to latitude 27°57'40"S AGD66, east to longitude 139°50'10"E AGD66, north to latitude 27°55'50"S AGD66, west to longitude 139°48'30"E AGD66, south to latitude 27°55'45"S GDA94, west to longitude 139°48'10"E GDA94, north to latitude 27°54'00"S GDA94, east to longitude 139°49'00"E GDA94, north to latitude 27°53'00"S GDA94, east to longitude 139°49'30"E GDA94 and north to the point of commencement.

Area: 69 km² approximately.

Dated 6 October 2011.

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

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

ASSOCIATED ACTIVITIES LICENCE
AAL 163

1. This Licence granted on 6 October 2011 is hereby entered on the public register.
2. Interests in the licence are:-

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



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

Date: 6 October 2011

File: F2011/000419

Petroleum and Geothermal Energy Act 2000

ASSOCIATED ACTIVITIES LICENCE AAL 163

I, BARRY ALAN GOLDSTEIN, Executive Director Petroleum and Geothermal Division, Minerals and Energy Resources, Primary Industries and Resources, 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 Development (Minister), pursuant to delegation dated 1 October 2009, HEREBY GRANT to:

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

(hereinafter referred to as the Licensee) an Associated Activities Licence as an adjunct to Petroleum Production Licence PPL 140, in respect of the area set out below, to have effect from *6 October 2011* and to expire on *5 October 2012* subject to the provisions of the *Petroleum and Geothermal Energy Act 2000*.

MA6
6/10/11

DESCRIPTION OF AREA

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

CONDITIONS

1. During the term of the licence, the Licensee may carry out or cause to be carried out the CESAN 11B Nephrite 3D VSP and Micro Seismic Survey within the area as defined in the Schedule hereto.
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 Licensees 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) upon request by the Minister, provide the Minister with a cover note or certificate of currency of the insurance policy referred to in paragraph (a).

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, or the conditions or exclusions of these insurances in respect to how they may or may not respond to any loss, damage or liability.

Date: 6 October 2011



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

Signed for and on behalf of:

**Santos Limited
Vamgas Pty Ltd
Alliance Petroleum Australia Pty Ltd
Reef Oil Pty Ltd
Santos Petroleum Pty Ltd
Bridge Oil Developments Pty Ltd
Santos (BOL) Pty Ltd
Basin Oil Pty Ltd
Santos (NARNL Cooper) Pty Ltd**

by its authorised representative:

SIMON CHIPPERFIELD
Name (print)

[Signature]
Signature

23 / 9 / 11
Date

Signed for and on behalf of **Origin Energy Resources Limited** by its ^{AUTHORISED REPRESENTATIVE} ~~duly appointed~~ ~~attorney~~:

TREWAR PERSAL
Name (print)

[Signature]
Signature

05/10/2011
Date

Signed for and on behalf of **Delhi Petroleum Pty Ltd** in accordance with section 127(1) of the Corporations Act by authority of its Directors:

Gordon Moseby
General Manager
Gordon Moseby
Business Review & Planning Director
Name (print)

[Signature]
Signature

26-9-11
Date

[Signature]

Cathy Oster
Company Secretary
26.9.11

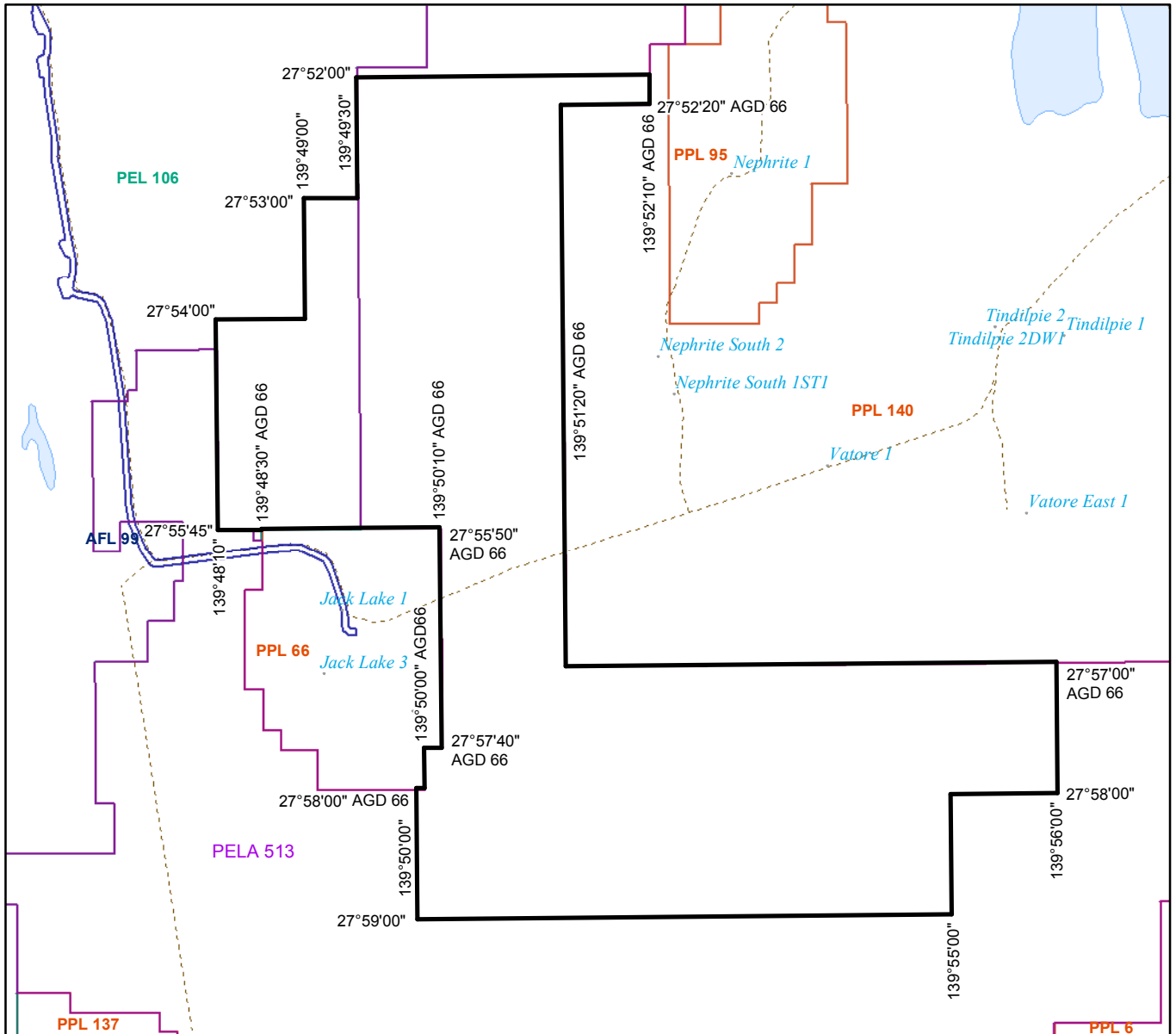
THE SCHEDULE

DESCRIPTION OF AREA

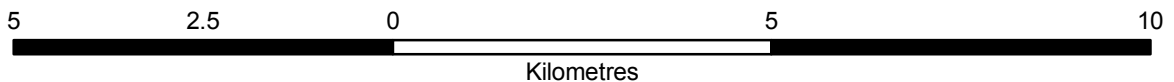
All that part of the State of South Australia, bounded as follows:-

Commencing at a point being the intersection of latitude 27°52'00"S GDA94 and longitude 139°49'30"E GDA94, thence east to longitude 139°52'10"E AGD66, south to latitude 27°52'20"S AGD66, west to longitude 139°51'20"E AGD66, south to latitude 27°57'00"S AGD66, east to longitude 139°56'00"E GDA94, south to latitude 27°58'00"S GDA94, west to longitude 139°55'00"E GDA94, south to latitude 27°59'00"S GDA94, west to longitude 139°50'00"E GDA94, north to latitude 27°58'00"S AGD66, east to longitude 139°50'00"E AGD66, north to latitude 27°57'40"S AGD66, east to longitude 139°50'10"E AGD66, north to latitude 27°55'50"S AGD66, west to longitude 139°48'30"E AGD66, south to latitude 27°55'45"S GDA94, west to longitude 139°48'10"E GDA94, north to latitude 27°54'00"S GDA94, east to longitude 139°49'00"E GDA94, north to latitude 27°53'00"S GDA94, east to longitude 139°49'30"E GDA94, and north to the point of commencement.

AREA: 69 square kilometres approximately.



SCALE 1:100 000



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), the Geocentric Datum of Australia (GDA94) and the schedule.

THE PLAN HEREINBEFORE REFERRED TO
ASSOCIATED ACTIVITIES LICENCE NO: 163

