INDEX OF DOCUMENTS HELD ON THE PETROLEUM REGISTER FOR
ASSOCIATED ACTIVITIES LICENCE AAL 177

1. 22 May 2012 Grant of Associated Activities Licence AAL 177.
   
   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. 22 May 2012 Memorandum entering grant of licence on the public register.

3. 24 May 2012 Gazettal of grant of licence.
PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

Grant of Associated Activities Licence—AAL 177
(Adjunct to Petroleum Production Licence—PPL 35)

NOTICE is hereby given that the undermentioned Associated Activities Licence has been granted with effect from 22 May 2012, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 21 March 2012.

<table>
<thead>
<tr>
<th>No. of Licence</th>
<th>Licensees</th>
<th>Locality</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAL 177</td>
<td>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 Origin Energy Resources Ltd Delhi Petroleum Pty Ltd Basin Oil Pty Ltd Santos (NARNL Cooper) Pty Ltd</td>
<td>Cooper Basin</td>
<td>F2012/000159</td>
</tr>
</tbody>
</table>

Description of Area

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

Commencing at a point being the intersection of latitude 27°47′18″S GDA94 and longitude 139°52′53″E GDA94, thence east to longitude 139°55′47″E GDA94, south to latitude 27°50′23″S GDA94, east to longitude 140°03′53″E GDA94, south to latitude 27°52′25″S GDA94, west to longitude 140°01′55″E GDA94, south to latitude 27°52′37″S GDA94, west to longitude 140°01′41″E GDA94, south to latitude 27°52′50″S GDA94, west to longitude 140°01′11″E GDA94, south to latitude 27°53′03″S GDA94, west to longitude 140°00′56″E GDA94, south to latitude 27°53′15″S GDA94, west to longitude 140°00′41″E GDA94, south to latitude 27°53′28″S GDA94, west to longitude 140°00′27″E GDA94, south to latitude 27°53′41″S GDA94, west to longitude 140°00′12″E GDA94, south to latitude 27°54′07″S GDA94, west to longitude 139°57′09″E GDA94, north to latitude 27°53′40″S GDA94, west to longitude 139°55′41″E GDA94, north to latitude 27°53′14″S GDA94, west to longitude 139°55′27″E GDA94, north to latitude 27°53′01″S GDA94, west to longitude 139°55′12″E GDA94, north to latitude 27°52′48″S GDA94, west to longitude 139°54′58″E GDA94, north to latitude 27°52′35″S GDA94, west to longitude 139°54′44″E GDA94, north to latitude 27°52′21″S GDA94, west to longitude 139°54′29″E GDA94, north to latitude 27°52′08″S GDA94, west to longitude 139°54′14″E GDA94, north to latitude 27°51′55″S GDA94, west to longitude 139°48′24″E GDA94, north to latitude 27°49′22″S GDA94, east to longitude 139°48′55″E GDA94, north to latitude 27°49′10″S GDA94, east to longitude 139°49′25″E GDA94, north to latitude 27°48′57″S GDA94, east to longitude 139°49′40″E GDA94, north to latitude 27°48′44″S GDA94, east to longitude 139°50′08″E GDA94, north to latitude 27°47′39″S GDA94, east to longitude 139°52′53″E GDA94, and north to the point of commencement.

Area: 169 km² approximately.

Dated 22 May 2012.

C. D. COCKSHELL,
Acting Executive Director,
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minister for Mineral Resources and Energy
MEMORANDUM

ASSOCIATED ACTIVITIES LICENCE
AAL 177

1. This Licence granted on 22 May 2012 is hereby entered on the public register.

2. Interest in the licence are:-

<table>
<thead>
<tr>
<th>Company</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santos Limited</td>
<td>40.70%</td>
</tr>
<tr>
<td>Vamgas Pty Ltd</td>
<td>8.51%</td>
</tr>
<tr>
<td>Alliance Petroleum Australia Pty Ltd</td>
<td>3.97%</td>
</tr>
<tr>
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<td>Santos Petroleum Pty Ltd</td>
<td>0.40%</td>
</tr>
<tr>
<td>Bridge Oil Developments Pty Ltd</td>
<td>3.99%</td>
</tr>
<tr>
<td>Santos (BOL) Pty Ltd</td>
<td>0.21%</td>
</tr>
<tr>
<td>Origin Energy Resources Ltd</td>
<td>13.19%</td>
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<tr>
<td>Delhi Petroleum Pty Ltd</td>
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<td>4.75%</td>
</tr>
</tbody>
</table>

C. D. COCKSHELL
A/Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minster for Mineral Resources and Energy

Date: 22 May 2012

File: F2012/000159

M 1855.doc
Petroleum and Geothermal Energy Act 2000

ASSOCIATED ACTIVITIES LICENCE

AAL 177

I, CYRIL DAVID COCKSHELL, Acting Executive Director, Energy Resources Division, Department for Manufacturing, Innovation, Trade, Resources and Energy, 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 GRANT to:

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
Origin Energy Resources Limited
Delhi Petroleum Pty Ltd
Basin Oil Pty Ltd
Santos (NARNL Cooper) Pty Ltd

ACN 007 550 923
ACN 006 245 110
ACN 004 559 951
ACN 000 646 800
ACN 000 146 369
ACN 001 152 049
ACN 000 670 575
ACN 007 845 338
ACN 007 854 686
ACN 000 628 017
ACN 004 761 255

(hereinafter referred to as the Licensee) an Associated Activities Licence as an adjunct to Petroleum Production Licence PPL 35, in respect of the area set out below, to have effect from 22 May 2012 and to expire on 21 May 2013 and carrying the right of renewal subject to the provisions of the Petroleum and Geothermal Energy Act 2000.

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 CPSAN12 Greater Leleptian 3D 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: 22 May 2012

C. D. COCKSHELL
A/Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minister for Mineral Resources and Energy
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:

______________________________  
Trevor Brown

Name (print)

______________________________  
Signature

21/5/12  
Date

Signed for and on behalf of Origin Energy Resources Limited in accordance with section 127(1) of the Corporations Act by authority of its Directors:

______________________________  
HELEN HARDY

Name (print)

______________________________  
Signature

21/5/2012  
Date

______________________________  
PAUL ZEALAND

Name (print)

______________________________  
Signature

17/5/12  
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  
Director

Name (print)

______________________________  
Signature

4/5/12  
Date

______________________________  
Cathy Oster  
Company Secretary

Name (print)

______________________________  
Signature

4/5/12  
Date
THE SCHEDULE

ASSOCIATED ACTIVITIES LICENCE

AAL 177

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°47'18"S GDA94 and longitude 139°52'53"E GDA94, thence east to longitude 139°55'47"E GDA94, south to latitude 27°50'23"S GDA94, east to longitude 140°03'53"E GDA94, south to latitude 27°52'25"S GDA94, west to longitude 140°01'55"E GDA94, south to latitude 27°52'37"S GDA94, west to longitude 140°01'41"E GDA94, south to latitude 27°52'50"S GDA94, west to longitude 140°01'11"E GDA94, south to latitude 27°53'03"S GDA94, west to longitude 140°00'56"E GDA94, south to latitude 27°53'15"S GDA94, west to longitude 140°00'41"E GDA94, south to latitude 27°53'28"S GDA94, west to longitude 140°00'27"E GDA94, south to latitude 27°53'41"S GDA94, west to longitude 140°00'12"E GDA94, south to latitude 27°54'07"S GDA94, west to longitude 139°57'09"E GDA94, north to latitude 27°53'40"S GDA94, west to longitude 139°55'41"E GDA94, north to latitude 27°53'14"S GDA94, west to longitude 139°55'27"E GDA94, north to latitude 27°53'01"S GDA94, west to longitude 139°55'12"E GDA94, north to latitude 27°52'48"S GDA94, west to longitude 139°54'58"E GDA94, north to latitude 27°52'35"S GDA94, west to longitude 139°54'44"E GDA94, north to latitude 27°52'21"S GDA94, west to longitude 139°54'29"E GDA94, north to latitude 27°52'08"S GDA94, west to longitude 139°54'14"E GDA94, north to latitude 27°51'55"S GDA94, west to longitude 139°48'24"E GDA9

AREA: 169 square kilometres approximately.
THE PLAN HEREBEFORE REFERRED TO

ASSOCIATED ACTIVITIES LICENCE NO: 177

AREA: 169 sq km (approx)

F2012/000159