

INDEX OF DOCUMENTS HELD ON THE PUBLIC REGISTER FOR PPL 182

1. 12 June 2001 Deed dated 12 June 2001 between the Minister for Minerals and Energy and:

Origin Energy Resources Limited
Delhi Petroleum Pty Ltd
Novus Australia Resources NL
Santos Limited
Vamgas Pty Ltd
2. 29 June 2001 Licence document dated 29 June 2001

Interests in the Licence:

Santos Limited 25.6022%
Delhi Petroleum Pty Ltd 17.143%
Origin Energy Resources Limited 10.536%
Vamgas Pty Ltd 43.75%
Novus Australia Resources NL 2.9688%
3. 29 June 2001 Memorandum entering licence on the public register and notating receipt of security.
4. 5 July 2001 Grant of Licence published in the South Australian Government Gazette dated 5 July 2001, Page 2551.
5. 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.
6. 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
7. 23 November 2005 Notation of discharge of security and receipt of replacement security is entered on the public register.
8. 21 December 2005 Deed to Amend Patchawarra East Area Deeds dated 24 October 2005 between the Minister for Minerals Resources Development and:

Origin Energy Resources Limited
Delhi Petroleum Pty Ltd
Novus Australia Resources NL
Santos Limited
Vamgas Pty Ltd

9. 13 January 2006 Certificate of Registration on Change of Name dated 29 June 2005:
From: Novus Australia Resources NL
To: Santos (NARNL Cooper) NL
10. 13 January 2006 Memorandum entering change of company name on the Public Register.
11. 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.
12. 9 May 2006 Memorandum entering change of company name on the Public Register
13. 2 June 2006 Memorandum entering grant of Associated Facilities Licences AFLs 35,36,37,38 and 39 (adjunct to PPL 182) on the public register.
14. 6 June 2007 Notation of surrender of AFLs 35, 36. 37. 38 and 39 on the public register.
15. 22 May 2008 Memorandum entering grant of Associated Facilities Licence AFL 140 (adjunct to PPL 182) on the public register.
16. 3 September 2008 Deed to Amend James Deed dated 30 June 2008 between the Minister for Mineral Resources Development and –

Origin Energy Resources Limited
Delhi Petroleum Pty Ltd
Santos (NARNL Cooper) Pty Ltd
Santos Limited; and
Vamgas Pty Ltd
17. 4 May 2009 Memorandum entering notation of surrender of Associated Facilities Licence AFL 140 (adjunct to PPL 182) on the public register.
18. 21 July 2009 Partial Surrender of Licence Area and Revocation of Licence Condition.
19. 21 July 2009 Memorandum entering partial surrender and revocation on public register.
20. 23 July 2009 Gazettal of partial surrender of licence area.
21. 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

22. 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
23. 9 August 2017 Certificate of Registration on Change of Company Name dated 29 June 2017.
- From: Origin Energy Resources Limited
To: Lattice Energy Limited
24. 9 August 2017 Memorandum entering notation of change of company name on the public register.
25. 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
26. 22 January 2020 Certificate of Registration on Change of Name dated 2 December 2019.
- From: Lattice Energy Limited
To: Beach Energy (Operations) Limited
27. 22 January 2020 Memorandum entering notation of change of company name on the public register.

**Petroleum and Geothermal Energy Act 2000
S.115**

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

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

CERTIFICATE

Petroleum and Geothermal Energy Act 2000
S.115

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

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
S.115

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, 179, 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

CERTIFICATE

**Petroleum and Geothermal Energy Act 2000
S.115**

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. GOLDSTEIN
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

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

PETROLEUM PRODUCTION LICENCES

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

and

PIPELINE LICENCES

PLs 2, 5, 9 and 15

SA 2011-15 Notation of registrable dealing as evidenced by Delhi Fixed and Floating Charge and Mortgage of JV Assets dated 29 September 2010 between Delhi Petroleum Pty Limited and Westpac Banking Corporation is hereby entered on the public register.



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

PETROLEUM ACT 2000

Partial Surrender of Petroleum Production Licences

NOTICE is hereby given that pursuant to section 89 of the Petroleum Act 2000, I have accepted the partial surrender of the below-mentioned Petroleum Production Licence areas, pursuant to delegated powers dated 28 March 2002, *Gazetted* 11 April 2002, page 1573:

No of Licence	Licencees	Locality	Date of Surrender	Approx. Area surrendered in km ²	Reference
PPL 145	Delhi Petroleum Pty Ltd Origin Energy Resources Limited Vamgas Pty Ltd Santos (NARNL Cooper) Pty Ltd Bridge Oil Developments Pty Ltd Alliance Petroleum Aust Pty Ltd Basin Oil Pty Ltd Reef Oil Pty Ltd Santos Petroleum Pty Ltd Santos (BOL) Pty Ltd	Cooper Basin of South Australia	1.7.08	5.50	28/1/262
PPL 148			1.7.08	6.96	28/1/294
PPL 174			1.1.09	0.38	28/1/305
PPL 175			1.7.08	44.40	28/1/315
PPL 178			1.7.08	2.46	28/1/332
PPL 179			1.7.08	1.27	28/1/280
PPL 190			1.7.08	228.29	28/1/314
PPL 193			1.7.08	5.030	28/1/312
PPL 195			1.7.08	1.080	28/1/308
PPL 182			Santos Ltd Delhi Petroleum Pty Ltd Origin Energy Resources Ltd Vamgas Pty Ltd Santos (NARNL Cooper) Pty Ltd	Cooper Basin of South Australia	1.1.09
PPL 187	1.7.08	4.62			28/1/252
PPL 194	1.1.09	4.49			28/1/242

*Description of Licence Areas Remaining**PPL 145*

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

Commencing at a point being the intersection of latitude 28°25'00"S Clarke1858 and longitude 139°57'00"E AGD66, thence east to longitude 139°58'15"E AGD66, south to latitude 28°25'30"S GDA94, east to longitude 139°58'40"E GDA94, south to latitude 28°25'35"S GDA94, east to longitude 139°58'55"E GDA94, south to latitude 28°26'00"S GDA94, east to longitude 139°59'10"E GDA94, south to latitude 28°27'10"S GDA94, east to longitude 139°59'20"E GDA94, south to latitude 28°27'25"S AGD66, west to longitude 139°58'45"E AGD66, south to latitude 28°27'35"S AGD66, west to longitude 139°58'30"E AGD66, south to latitude 28°27'50"S AGD66, west to longitude 139°57'40"E GDA94, north to latitude 28°27'30"S GDA94, west to longitude 139°57'20"E AGD66, north to latitude 28°26'45"S AGD66, east to longitude 139°57'25"E AGD66, north to latitude 28°26'00"S AGD66, east to longitude 139°57'35"E AGD66, north to latitude 28°25'35"S AGD66, west to longitude 139°57'00"E AGD66 and north to point of commencement.

Area: 12.5 km² approximately.

PPL 148

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

Commencing at a point being the intersection of latitude 27°47'00"S GDA94 and longitude 139°46'45"E GDA94, thence east to longitude 139°46'50"E GDA94, south to latitude 27°47'05"S GDA94, east to longitude 139°46'55"E GDA94, south to latitude 27°47'13"S GDA94, east to longitude 139°47'00"E GDA94, east to longitude 27°47'40"S GDA94, west to longitude 139°46'55"E GDA94, south to latitude 27°47'48"S GDA94, west to longitude 139°46'50"E GDA94, south to latitude 27°47'50"S GDA94, west to longitude 139°46'30"E GDA94, south to latitude 27°47'52"S GDA94, west to longitude 139°46'25"E GDA94, south to latitude 27°47'55"S GDA94, west to longitude 139°46'20"E GDA94, north to latitude 27°47'52"S GDA94, west to longitude 139°46'15"E GDA94, north to latitude 27°47'47"S GDA94, west to longitude 139°46'10"E GDA94, north to latitude 27°47'28"S GDA94, east to longitude 139°46'20"E GDA94, north to latitude 27°47'25"S GDA94, east to longitude 139°46'25"E GDA94, north to latitude 27°47'20"S GDA94, east to longitude 139°46'30"E GDA94, north to latitude 27°47'17"S GDA94, east to longitude 139°46'35"E GDA94, north to latitude 27°47'10"S GDA94, east to longitude 139°46'40"E GDA94, north to latitude 27°47'05"S GDA94, east to longitude 139°46'45"E GDA94 and north to point of commencement.

Area: 1.44 km² approximately.

PPL 174

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

Commencing at a point being the intersection of latitude 27°39'30"S AGD66 and longitude 140°15'00"E AGD66, thence east to longitude 140°17'00"E AGD66, south to latitude 27°40'35"S GDA94, west to longitude 140°16'55"E GDA94, south to latitude 27°40'40"S GDA94, west to longitude 140°16'45"E GDA94, south to latitude 27°40'45"S GDA94, west to longitude 140°16'40"E GDA94, south to latitude 27°40'50"S GDA94, west to longitude 140°16'30"E GDA94, south to latitude 27°41'00"S AGD66, west to longitude 140°16'00"E Clarke1858, north to latitude 27°41'00"S Clarke1858, west to longitude 140°14'00"E Clarke1858, south to latitude 27°41'40"S AGD66, west to longitude 140°13'20"E AGD66, north to latitude 27°40'50"S AGD66, east to longitude 140°13'40"E AGD66, north to latitude 27°40'40"S AGD66, east to longitude 140°14'00"E AGD66, north to latitude 27°40'30"S AGD66, east to longitude 140°14'10"E AGD66, north to latitude 27°40'10"S AGD66, east to longitude 140°14'30"E AGD66, north to latitude 27°40'00"S AGD66, east to longitude 140°15'00"E AGD66 and north to point of commencement.

Area: 12.92 km² approximately.

PPL 175

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

Commencing at a point being the intersection of latitude 28°13'50"S AGD66 and longitude 139°55'05"E GDA94, thence east to longitude 139°55'40"E GDA94, south to latitude 28°14'30"S AGD66, west to longitude 139°54'40"E AGD66, north to latitude 28°14'05"S GDA94, east to longitude 139°54'55"E GDA94, north to latitude 28°13'55"S GDA94, east to longitude 139°55'00"E GDA94, north to latitude 28°13'50"S GDA94, east to longitude 139°55'05"E GDA94 and north to point of commencement.

Area: 1.6 km² approximately.

PPL 178

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

Commencing at a point being the intersection of latitude 27°52'40"S AGD66c and longitude 140°04'40"E AGD66, thence east to longitude 140°05'45"E GDA94, south to latitude 27°53'00"S GDA94, west to longitude 140°05'40"E GDA94, south to latitude 27°54'00"S Clarke1858, west to longitude 140°03'30"E AGD66, north to latitude 27°53'40"S AGD66, east to longitude 140°03'40"E AGD66, north to latitude 27°53'30"S AGD66, east to longitude 140°04'00"E AGD66, north to latitude 27°53'20"S AGD66, east to longitude 140°04'10"E AGD66, north to latitude 27°53'10"S AGD66, east to longitude 140°04'20"E AGD66, north to latitude 27°53'00"S AGD66, east to longitude 140°04'30"E AGD66, north to latitude 27°52'50"S AGD66, east to longitude 140°04'40"E AGD66 and north to point of commencement.

Area: 6.34 km² approximately.

PPL 179

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

Commencing at a point being the intersection of latitude 28°22'40"S AGD66 and longitude 140°05'00"E AGD66, thence east to longitude 140°05'35"E GDA94, south to latitude 28°22'50"S AGD66, east to longitude 140°06'00"E AGD66, south to latitude 28°23'10"S AGD66, west to longitude 140°05'55"E AGD66, south to latitude 28°23'15"S AGD66, west to longitude 140°05'50"E AGD66, south to latitude 28°23'25"S AGD66, west to longitude 140°05'45"E GDA94, south to latitude 28°23'35"S GDA94, east to longitude 140°05'50"E GDA94, south to latitude 28°23'50"S GDA94, west to longitude 140°05'45"E GDA94, south to latitude 28°24'20"S AGD66, west to longitude 140°05'35"E AGD66, south to latitude 28°24'25"S AGD66, west to longitude 140°05'30"E AGD66, south to latitude 28°24'25"S GDA94, west to longitude 140°05'05"E GDA94, north to latitude 28°24'15"S GDA94, west to longitude 140°05'00"E GDA94, north to latitude 28°24'00"S GDA94, west to longitude 140°04'50"E AGD66, north to latitude 28°23'50"S AGD66, west to longitude 140°04'40"E AGD66, north to latitude 28°23'25"S GDA94, east to longitude 140°04'50"E GDA94, north to latitude 28°23'20"S GDA94, east to longitude 140°04'55"E GDA94, north to latitude 28°23'05"S GDA94, east to longitude 140°05'00"E GDA94, north to latitude 28°23'00"S GDA94, east to longitude 140°05'00"E AGD66 and north to point of commencement.

Area: 4.83 km² approximately.

PPL 190

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

Commencing at a point being the intersection of latitude 28°19'00"S Clarke1858 and longitude 140°13'40"E GDA94, thence east to longitude 140°15'10"E GDA94, south to latitude 28°19'15"S GDA94, west to longitude 140°15'00"E GDA94, south to latitude 28°19'35"S GDA94, west to longitude 140°14'40"E GDA94, south to latitude 28°19'45"S GDA94, west to longitude 140°14'20"E GDA94, south to latitude 28°19'50"S GDA94, west to longitude 140°14'05"E GDA94, south to latitude 28°19'55"S GDA94, west to longitude 140°13'25"E GDA94, north to latitude 28°19'05"S GDA94, east to longitude 140°13'40"E GDA94 and north to point of commencement.

Area: 4.31 km² approximately.

PPL 193

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

Commencing at a point being the intersection of latitude 27°33'50"S AGD66 and longitude 140°04'30"E AGD66, thence east to longitude 140°06'00"E Clarke1858, south to latitude 27°34'20"S AGD66, west to longitude 140°05'40"E AGD66, south to latitude 27°34'30"S AGD66, west to longitude 140°05'20"E AGD66, south to latitude 27°34'40"S AGD66, west to longitude 140°04'50"E AGD66, south to latitude 27°34'50"S AGD66, west to longitude 140°04'20"E AGD66, south to latitude 27°35'00"S AGD66, west to longitude 140°04'10"E AGD66, south to latitude 27°35'10"S AGD66, west to longitude 140°03'55"E GDA94, north to latitude 27°34'50"S GDA94, west to longitude 140°03'50"E GDA94, north to latitude 27°34'30"S GDA94, east to longitude 140°03'55"E GDA94, north to latitude 27°34'10"S AGD66, east to longitude 140°04'20"E AGD66, north to latitude 27°34'00"S AGD66, east to longitude 140°04'30"E AGD66 and north to point of commencement.

Area: 5.17 km² approximately.

PPL 195

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

Commencing at a point being the intersection of latitude 27°32'40"S AGD66 and longitude 140°23'20"E AGD66, thence east to longitude 140°23'40"E AGD66, south to latitude 27°32'50"S AGD66, east to longitude 140°24'00"E GDA94, south to latitude 27°32'55"S GDA94, east to longitude 140°24'00"E AGD66, south to latitude 27°33'20"S AGD66, west to longitude 140°23'50"E AGD66, south to latitude 27°33'35"S AGD66, west to longitude 140°23'45"E AGD66, south to latitude 27°33'50"S AGD66, west to longitude 140°23'40"E AGD66, south to latitude 27°33'55"S AGD66, west to longitude 140°23'35"E AGD66, south to latitude 27°34'00"S AGD66, west to longitude 140°23'30"E AGD66, south to latitude 27°34'10"S AGD66, west to longitude 140°23'25"E AGD66, south to latitude 27°34'20"S AGD66, west to longitude 140°23'20"E AGD66, south to latitude 27°34'25"S AGD66, west to longitude 140°23'15"E AGD66, south to latitude 27°34'30"S AGD66, west to longitude 140°23'10"E AGD66, south to latitude 27°34'35"S AGD66, west to longitude 140°23'05"E AGD66, south to latitude 27°34'40"S AGD66, west to longitude 140°23'00"E AGD66, south to latitude 27°34'50"S AGD66, west to longitude 140°22'50"E AGD66, south to latitude 27°34'55"S AGD66, west to longitude 140°22'35"E AGD66, south to latitude 27°35'00"S AGD66, west to longitude 140°22'30"E AGD66, south to latitude 27°35'05"S AGD66, west to longitude 140°22'25"E AGD66, south to latitude 27°35'10"S AGD66, west to longitude 140°22'15"E AGD66, north to latitude 27°34'50"S AGD66, east to longitude 140°22'20"E AGD66, north to latitude 27°34'45"S AGD66, east to

longitude 140°22'25"E AGD66, north to latitude 27°34'40"S AGD66, east to longitude 140°22'30"E AGD66, north to latitude 27°33'35"S AGD66, east to longitude 140°22'40"E AGD66, north to latitude 27°33'20"S AGD66, east to longitude 140°22'50"E AGD66, north to latitude 27°33'05"S AGD66, east to longitude 140°23'00"E AGD66, north to latitude 27°32'55"S AGD66, east to longitude 140°23'10"E AGD66, north to latitude 27°32'45"S AGD66, east to longitude 140°23'20"E AGD66 and north to point of commencement.

Area: 6.52 km² approximately.

PPL 182

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

Commencing at a point being the intersection of latitude 26°48'26"S GDA94 and longitude 140°50'41"E GDA94, thence east to longitude 140°50'54"E GDA94, south to latitude 26°48'30"S AGD66, east to longitude 140°50'55"E AGD66, south to latitude 26°48'40"S AGD66, east to longitude 140°51'01"E GDA94, south to latitude 26°48'43"S GDA94, west to longitude 140°51'00"E GDA94, south to latitude 26°48'50"S GDA94, west to longitude 140°50'58"E GDA94, south to latitude 26°48'52"S GDA94, west to longitude 140°50'55"E GDA94, south to latitude 26°48'54"S GDA94, east to longitude 140°50'57"E GDA94, south to latitude 26°48'56"S GDA94, east to longitude 140°50'59"E GDA94, south to latitude 26°48'58"S GDA94, east to longitude 140°51'00"E GDA94, south to latitude 26°49'01"S GDA94, west to longitude 140°50'54"E GDA94, north to latitude 26°48'56"S GDA94, west to longitude 140°50'48"E GDA94, south to latitude 26°49'02"S GDA94, west to longitude 140°50'38"E GDA94, north to latitude 26°49'00"S GDA94, west to longitude 140°50'36"E GDA94, north to latitude 26°48'57"S GDA94, west to longitude 140°50'34"E GDA94, south to latitude 26°48'55"S GDA94, west to longitude 140°50'32"E GDA94, north to latitude 26°48'53"S GDA94, west to longitude 140°50'30"E GDA94, north to latitude 26°48'40"S GDA94, east to longitude 140°50'32"E GDA94, north to latitude 26°48'37"S GDA94, east to longitude 140°50'34"E GDA94, north to latitude 26°48'35"S GDA94, east to longitude 140°50'38"E GDA94, north to latitude 26°48'32"S GDA94, east to longitude 140°50'39"E GDA94, north to latitude 26°48'29"S GDA94, east to longitude 140°50'41"E GDA94 and north to the point of commencement.

Area: 0.75 km² approximately.

PPL 187

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

Commencing at a point being the intersection of latitude 27°20'00"S AGD66 and longitude 140°23'10"E AGD66, thence east to longitude 140°24'00"E GDA94, south to latitude 27°20'00"S GDA94, east to longitude 140°24'25"E GDA94, south to latitude 27°20'10"S GDA94, east to longitude 140°24'40"E GDA94, south to latitude 27°21'05"S GDA94, west to longitude 140°24'35"E GDA94, south to latitude 27°21'30"S GDA94, west to longitude 140°24'25"E GDA94, south to latitude 27°21'45"S GDA94, west to longitude 140°24'10"E GDA94, south to latitude 27°21'55"S GDA94, west to longitude 140°24'00"E GDA94, south to latitude 27°22'05"S GDA94, west to longitude 140°23'50"E GDA94, south to latitude 27°22'15"S GDA94, west to longitude 140°22'40"E GDA94, south to latitude 27°22'30"S AGD66, west to longitude 140°22'10"E AGD66, north to latitude 27°21'40"S GDA94, east to longitude 140°22'30"E GDA94, north to latitude 27°21'15"S GDA94, east to longitude 140°22'45"E GDA94, north to latitude 27°21'00"S GDA94, east to longitude 140°22'55"E GDA94, north to latitude 27°20'45"S GDA94, east to longitude 140°23'05"E GDA94, north to latitude 27°20'30"S GDA94, east to longitude 140°23'10"E AGD66 and north to point of commencement.

Area: 12.2 km² approximately.

PPL 194

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

Commencing at a point being the intersection of latitude 27°14'07"S GDA94 and longitude 140°57'13"E GDA94, thence east to longitude 140°57'23"E GDA94, south to latitude 27°14'10"S GDA94, east to longitude 140°57'31"E GDA94, south to latitude 27°14'13"S GDA94, east to longitude 140°57'40"E GDA94, south to latitude 27°14'26"S GDA94, east to longitude 140°57'43"E GDA94, south to latitude 27°14'36"S GDA94, west to longitude 140°57'37"E GDA94, north to latitude 27°14'30"S GDA94, west to longitude 140°57'20"E GDA94, south to latitude 27°14'35"S GDA94, west to longitude 140°57'05"E GDA94, south to latitude 27°14'40"S GDA94, west to longitude 140°57'00"E GDA94, south to latitude 27°14'43"S GDA94, west to longitude 140°56'40"E GDA94, south to latitude 27°14'45"S GDA94, west to longitude 140°56'10"E AGD66, north to latitude 27°14'30"S GDA94, east to longitude 140°56'23"E GDA94, north to latitude 27°14'23"S GDA94, east to longitude 140°56'25"E GDA94, north to latitude 27°14'20"S GDA94, east to longitude 140°56'28"E GDA94, north to latitude 27°14'17"S GDA94, east to longitude 140°56'44"E GDA94, south to latitude 27°14'35"S GDA94, east to longitude 140°56'53"E GDA94, north to latitude 27°14'22"S GDA94, east to longitude 140°56'56"E GDA94, north to latitude 27°14'12"S GDA94, east to longitude 140°57'10"E GDA94, north to latitude 27°14'10"S GDA94, east to longitude 140°57'13"E GDA94 and north to the point of commencement.

Area: 1.61 km² approximately.

Dated 21 July 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

**Petroleum Act 2000
S.115**

MEMORANDUM

**PETROLEUM PRODUCTION LICENCE
PPL 182**

1. Pursuant to Condition 3 of Petroleum Production Licence PPL 182, the licence area is partially surrendered with effect from 1 January 2009, and is hereby reduced to an area of approximately 0.75 square kilometres.
2. Variation of licence area is hereby entered on the public register.
3. Revocation of Condition 3 of Petroleum Production Licence PPL 182 is hereby entered on the public register.



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

Date: 21 July 2009

Ref: 28/1/149

Petroleum Act 2000

PARTIAL SURRENDER AND REVOCATION OF CONDITION

PETROLEUM PRODUCTION LICENCE PPL 182

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 dated 28 March 2002, Gazetted 11 April 2002, page 1573 –

- 1 in fulfilment of Condition 3 of PPL 182, hereby accept partial surrender of Petroleum Production Licence PPL 182 pursuant to section 89 of the Act, with effect from 1 January 2009.

The total area of PPL 182 is reduced to 0.75 square kilometres approximately, as a result of partial surrender of the licence area.

Variation of licence area resulting from the partial surrender as per the attached Schedule and Map is hereby entered on the public register.

- 2 hereby revoke Condition 3 of the licence conditions of PPL 182 pursuant to section 76(3)(b) of the Act, following the fulfilment of the conditions of the Deed dated 12 June 2001, as subsequently amended by Deed to Amend Patchawarra East Area Deeds dated 24 October 2005 and Deed to Amend James Deed dated 30 June 2008.

Date: 21 July 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

3. The following signatures evidence the consent of the licensees to the revocation of Condition 3 of the conditions of PPL 182, pursuant to section 76(3)(b) of the Act

Executed for and on behalf of:

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

by its duly appointed attorney:

.....**James Leslie Baulderstone**
Name (print)


Signature

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

Hector Gordon
Director
.....**Delhi Petroleum Pty Ltd**
Name (print)


Signature

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

O. Hobbs
.....
Name (print)


Signature

THE SCHEDULE

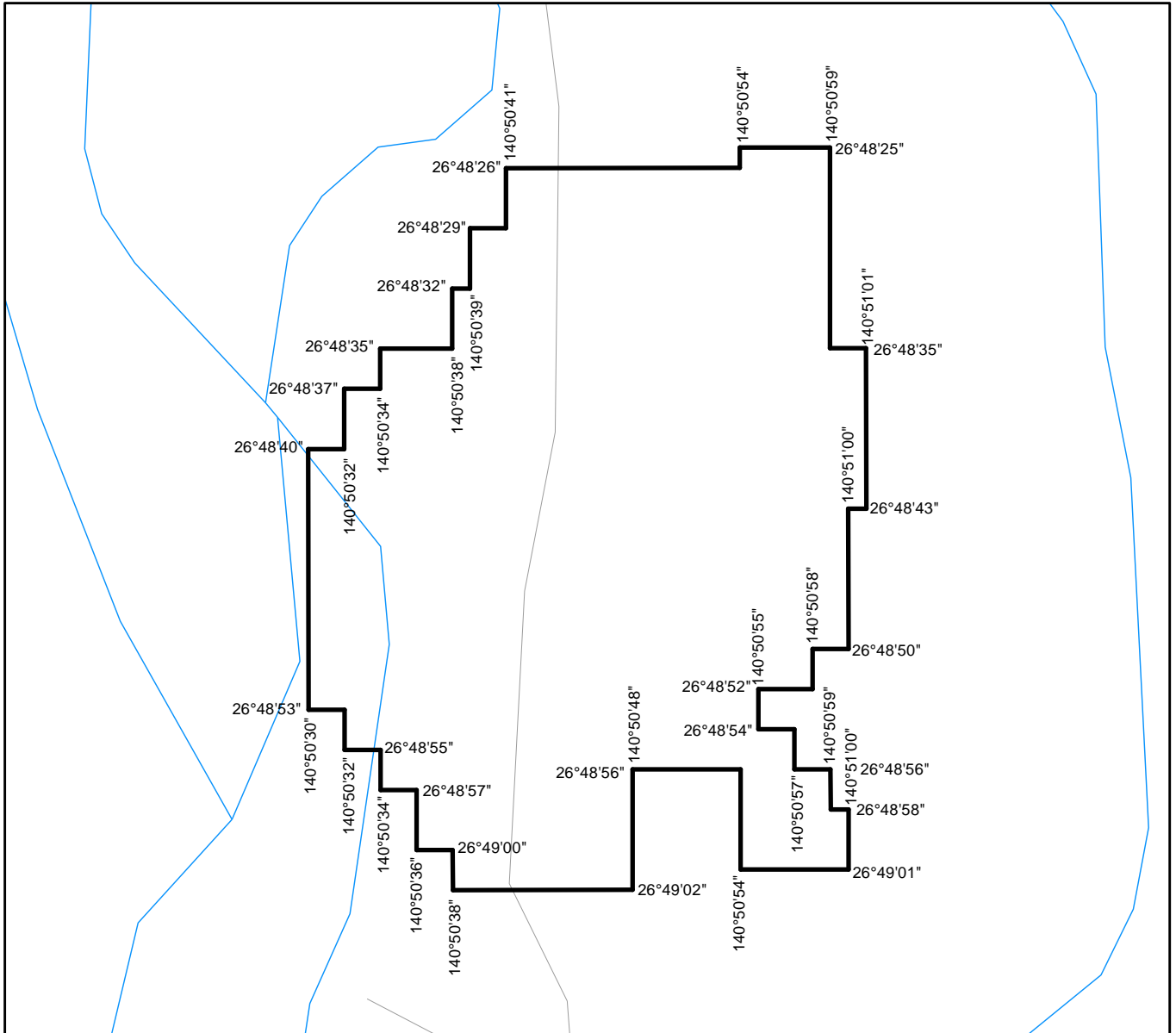
PETROLEUM PRODUCTION LICENCE PPL 182

DESCRIPTION OF AREA

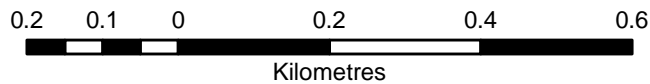
All that part of the State of South Australia, bounded as follows:-

Commencing at a point being the intersection of latitude 26°48'25"S GDA94 and longitude 140°50'54"E GDA94, thence east to longitude 140°50'59"E GDA94, south to latitude 26°48'35"S GDA94, east to longitude 140°51'01"E GDA94, south to latitude 26°48'43"S GDA94, west to longitude 140°51'00"E GDA94, south to latitude 26°48'50"S GDA94, west to longitude 140°50'58"E GDA94, south to latitude 26°48'52"S GDA94, west to longitude 140°50'55"E GDA94, south to latitude 26°48'54"S GDA94, east to longitude 140°50'57"E GDA94, south to latitude 26°48'56"S GDA94, east to longitude 140°50'59"E GDA94, south to latitude 26°48'58"S GDA94, east to longitude 140°51'00"E GDA94, south to latitude 26°49'01"S GDA94, west to longitude 140°50'54"E GDA94, north to latitude 26°48'56"S GDA94, west to longitude 140°50'48"E GDA94, south to latitude 26°49'02"S GDA94, west to longitude 140°50'38"E GDA94, north to latitude 26°49'00"S GDA94, west to longitude 140°50'36"E GDA94, north to latitude 26°48'57"S GDA94, west to longitude 140°50'34"E GDA94, north to latitude 26°48'55"S GDA94, west to longitude 140°50'32"E GDA94, north to latitude 26°48'53"S GDA94, west to longitude 140°50'30"E GDA94, north to latitude 26°48'40"S GDA94, east to longitude 140°50'32"E GDA94, north to latitude 26°48'37"S GDA94, east to longitude 140°50'34"E GDA94, north to latitude 26°48'35"S GDA94, east to longitude 140°50'38"E GDA94, north to latitude 26°48'32"S GDA94, east to longitude 140°50'39"E GDA94, north to latitude 26°48'29"S GDA94, east to longitude 140°50'41"E GDA94, north to latitude 26°48'26"S GDA94, east to longitude 140°50'54"E GDA94, and north to the point of commencement.

AREA: **0.74** square kilometres approximately.



SCALE 1:10 000



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 Geocentric Datum of Australia (GDA94) and the schedule.

THE PLAN HEREINBEFORE REFERRED TO

JAMES FIELD

PETROLEUM PRODUCTION LICENCE NO: 182



Petroleum Act 2000
S.115

MEMORANDUM

PETROLEUM PRODUCTION LICENCE
PPL 182

1. Notation of the surrender of Associated Facilities Licence AFL 140 (adjunct to PPL 182) is hereby entered on the public register.



C. D. COCKSHELL
Acting Director Petroleum and Geothermal
Minerals and Energy Resources
Primary Industries and Resources SA
Delegate of the Minister for Mineral Resources
Development

Date: 4 May 2009

File: 27/2/536

**Petroleum Act 2000
S.115**

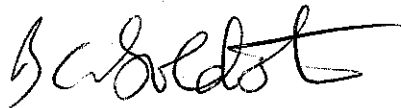
MEMORANDUM

**PETROLEUM PRODUCTION LICENCES
PPL 182, PPL 194**

Deed to Amend James Deed dated 30 June 2008 between the
Minister for Mineral Resources Development and –

Origin Energy Resources Limited
Delhi Petroleum Pty Ltd
Santos (NARNL Cooper) Pty Ltd
Santos Limited; and
Vamgas Pty Ltd

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: 3 September 2008

28/01/149
28/01/242

DATED

30th

DAY OF

JUNE

2008

DEED TO AMEND JAMES DEED

BETWEEN

**MINISTER FOR MINERAL RESOURCES DEVELOPMENT
("MINISTER")**

-AND-

**ORIGIN ENERGY RESOURCES LIMITED
A.C.N. 007 845 338**

**DELHI PETROLEUM PTY LTD
A.C.N. 007 854 686**

**SANTOS (NARNL COOPER) PTY LTD
A.C.N. 004 761 255**

**SANTOS LIMITED
A.C.N. 80 007 550 923**

**VAMGAS PTY LTD
A.C.N. 76 006 245 110**

("LICENSEES")



CROWN SOLICITOR

Level 9, 45 Pirie Street, Adelaide SA 5000

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THIS DEED is made the

30th day of

JUNE

2008

BETWEEN:

MINISTER FOR MINERAL RESOURCES DEVELOPMENT a body corporate pursuant to the Administrative Arrangements Act, 1994 (SA) and whose office is situated at Level 9, 178 North Terrace, Adelaide 5000 in the State of South Australia. ("Minister")

AND

ORIGIN ENERGY RESOURCES LIMITED A.C.N. 007 845 338 of Level 45, Australia Square, 264-278 George Street, Sydney, New South Wales 2000, **DELHI PETROLEUM PTY LTD** A.C.N. 007 854 686 of 25 Conyngham Street, Glenside South Australia 5065, **SANTOS (NARNL COOPER) PTY LTD** A.C.N. 004 761 255 (formerly named Novus Australia Resources NL) of Ground Floor, Santos Centre, 60 Flinders Street, Adelaide, South Australia 5000, **SANTOS LIMITED** A.C.N. 007 550 923 of Ground Floor, Santos Centre, 60 Flinders Street, Adelaide, South Australia 5000, **VAMGAS PTY LTD** A B N. 006 245 100 of Ground Floor, Santos Centre, 60 Flinders Street, Adelaide, South Australia 5000 ("Licensees")

RECITALS:

- A. By way of a deed dated 12 June 2001, the Parties agreed certain special conditions on Petroleum Production Licences ("PPL") that require that areas greater than twice the proved and probable area of the field, be surrendered by various agreed dates
- B. By way of a deed entitled "Deed to Amend Patchawarra East Area Deeds" dated 24 October 2005 the parties recorded that special conditions as they relate to Petroleum Production Licences referred to in the James Deed were to be extended to 30 June 2008
- C. The parties now wish to record that the James Deed be amended to extend the special conditions as they relate to PPL 182 and 194 to 31 December 2008.

THE PARTIES COVENANT AS FOLLOWS:

1. **ACCURACY OF RECITALS**

The Parties agree both that the matters referred to in the recitals of this Deed are true and correct in every material particular and that the recitals shall form part of this Deed.

2. **DEFINITIONS & INTERPRETATION**

2.1 **Definitions**

Subject to any contrary intention indicated by subject or context, for the purpose of the interpretation of this Deed the following terms and expressions are stipulated as having the following meanings:

2.1.1 **“Petroleum Production Licence / PPL”** means either

- (a) a petroleum production licence granted to the Licensees by the Minister pursuant to *Petroleum Act, 1940* and other enabling legislation and continued pursuant to Section 2 of the Schedule to the *Petroleum Act, 2000*, or
- (b) a petroleum production licence granted to the Licensees by the Minister pursuant to the *Petroleum Act, 2000*.

2.1.2 **“Licensee”** means Origin Energy Resources Limited A.C.N. 007 845 338, Delhi Petroleum Pty Ltd A.C.N. 007 854 686, Santos (NARNL Cooper) Pty Ltd A.C.N. 004 761 255, Santos Limited A.B.N. 80 007 550 923, Vamgas Pty Ltd A.B.N. 006 245 100

2.1.3 **“Parties”** means the parties to this Deed.

2.1.4 **“James Deed”** means the deed between the Parties dated 12th June 2001 in relation to PPL 182 named James and other PPLs 191, 194 and 197 as amended by the Deed referred to in Recital B.

2.2 **Interpretation**

Subject to any contrary intention indicated by subject or context, the following rules of construction shall be used in the interpretation of this Deed.

2.2.1 Words denoting the singular number or plural number include the plural number and singular number respectively

2.2.2 Words denoting any gender shall include all genders.

2.2.3 Headings are for convenience only and shall not affect interpretation.

2.2.4 Words denoting individuals shall include corporations and vice versa.

2.2.5 A reference to a recital, party, clause, schedule appendix or annexure is a reference to a recital, party, clause, schedule, appendix or annexure of this Deed.

2.2.6 A reference to any Act, regulation or by-law shall be deemed to include all amendments thereto and all statutory provisions substituted hereafter.

2.2.7 The use of "or" shall be that of the inclusive "or", i.e., meaning one, some or all of a number of possibilities or alternatives.

2.2.8 All references to "dollars" or to "\$" are to Australian dollars.

3 AMENDMENT TO JAMES DEED

3.1 The Parties agree to amend the James Deed by deleting the words and figure "30 June 2008" where they appear in Column 4 of the Schedule in respect to PPL 182 and 194 and substituting in their place the words and figures "31 December 2008".

3.2 The provision of this Deed will be read together with and form part of the James Deed.

4 COSTS

The Parties each bear their own legal costs and expenses incurred in respect of the negotiation, preparation and execution of this Deed. Further, the Licensee shall pay any stamp duty assessed in respect of this Deed.

5 SUCCESSORS BOUND

This Deed binds a party's successors, personal representatives and assigns.

6 PROPER LAW AND JURISDICTION

6.1 The laws in force in South Australia apply to this Deed

6.2 The Parties agree to submit to the exclusive jurisdiction of the courts of South Australia in respect of all disputes arising under or relating to this Deed and any proceedings brought in the Federal Court must be instituted in the Adelaide Registry of the Federal Court.

7. **COUNTERPARTS**

This Deed may be executed in any number of counterparts each of which is taken to be an original. All of those counterparts taken together constitute one document.

8. **CONFIRMATION**

Except and to the extent that the James Deed is varied by this Deed the James Deed remains unchanged.

9. **AUDITOR-GENERAL**

Nothing in this Deed derogates from the powers of the Auditor-General under the *Public Finance and Audit Act 1987 (SA)*

EXECUTED UNCONDITIONALLY AS A DEED

THE COMMON SEAL of the **MINISTER**

FOR MINERAL RESOURCES

DEVELOPMENT was hereunto affixed by

authority of the Minister in the presence of:

)
)
)
)
)
)
)



.....
Witness

[Print Name: LEE BITZIOS]



EXECUTED for and on behalf of SANTOS LIMITED,

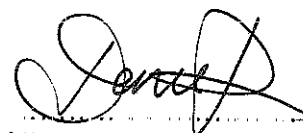
SANTOS (NARNL COOPER) PTY LTD and

VAMGAS PTY LTD respectively,

by being SIGNED, SEALED AND DELVERED

by their duly appointed Attorney in the presence of:


Witness **ALICIA GENET**
Corporate Lawyer


Attorney

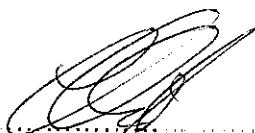
Demitra Ritossa

EXECUTED by DELHI PETROLEUM PTY LTD)
in accordance with section 127(1) of the Corporations)
Act by authority of its Directors:)


Signature of Director

Hector Gordon
Executive Director

Name of Director (block letters)


Signature of Director/Company
Secretary*
*delete whichever is not applicable

Cathy Oster
Company Secretary

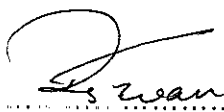
Name of Director/Company
Secretary*

*delete whichever is not applicable

EXECUTED by ORIGIN ENERGY RESOURCES)
LIMITED (ABN 66 007 845 338) by being SIGNED)
SEALED AND DELIVERED by Ross Stewart Evans)
pursuant to a Power of Attorney dated 30 May)
2008 for which I have received no notice of revocation)
as at the date hereof)


Signature of Witness

Gregory John Herten
Name of Director (block letters)
Witness


Signature of Attorney

Ross Stewart Evans

Name of Attorney

Petroleum Act 2000
S.115

MEMORANDUM

PETROLEUM PRODUCTION LICENCE
PPL 182

1. Notation of the grant of Associated Facilities Licence AFL 140 (adjunct to PPL 182) 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: 22 May 2008

File: 27/2/536

Petroleum Act 2000
S.115

MEMORANDUM

PETROLEUM PRODUCTION LICENCE
PPL 182

1. Notation of the surrender of Associated Facilities Licences AFL 35, AFL 36, AFL 37, AFL 38 and AFL 39 (adjunct to PPL 182) 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: 6 June 2007

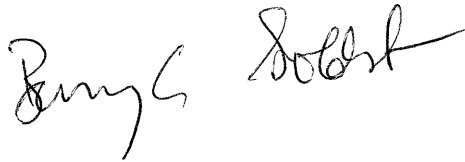
File: 27/2/374

Petroleum Act 2000
S.115

MEMORANDUM

PETROLEUM PRODUCTION LICENCE
PPL 182

1. Notation of the Grant of Associated Facilities Licences AFLs 35, 36, 37, 38 and 39 (adjunct to PPL 182) 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: 2 June 2006

File: 27/2/374

Petroleum Act 2000
S.115

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, 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, 76, 77, 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, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199 and Pipeline Licence (PL) 2.

1. Notation of change of company name –

From: Santos (NARNL Cooper) NL
To: Santos (NARNL Cooper) Pty Ltd

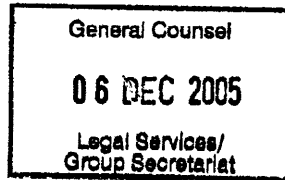
is hereby entered on the public register of licences.



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



Form **242**

Santos Limited Attn: Graham Bollenhagen
GPO Box 2455
Adelaide SA 5001

Remove this top section if desired before framing

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.

A handwritten signature in black ink, appearing to read "Jeffrey Lucy".

Jeffrey Lucy
Chairman

CERTIFICATE

Petroleum Act 2000
S.115

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, 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, 76, 77, 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, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199 and Pipeline Licence (PL) 2.

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.



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

Santos Limited Attn: Graham Bollenhagen
GPO Box 2455
Adelaide SA 5001

Remove this top section if desired before framing

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

CERTIFICATE

**Petroleum Act 2000
S.115**

MEMORANDUM

**PETROLEUM PRODUCTION LICENCES
PPLs 142, 152, 156, 182, 187, 191, 194 and 197.**

1. The following Deed is entered on the Public Register:

Deed to Amend Patchawarra East Area Deeds dated 24th October 2005 between the Minister for Mineral Resources Development, Origin Energy Resources Limited, Delhi Petroleum Pty Ltd, Novus Australia Resources NL (now Santos (NARL Cooper) NL), Santos Limited and Vamgas Pty Ltd.



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

Date: 21 December 2005

SR 27/2/4

DATED

24th

DAY OF

OCTOBER

2005

DEED TO AMEND PATCHAWARRA EAST AREA DEEDS

BETWEEN

**MINISTER FOR MINERAL RESOURCES DEVELOPMENT
("MINISTER")**

-AND-

**ORIGIN ENERGY RESOURCES LIMITED
A.B.N. 66 007 845 338**

**DELHI PETROLEUM PTY LTD
A.B.N. 65 007 854 686**

**NOVUS AUSTRALIA RESOURCES NL
A.B.N. 75 004 761 255**

**SANTOS LIMITED
A.B.N. 80 007 550 923**

**VAMGAS PTY LTD
A.B.N. 76 006 245 110**

("LICENSEES")



CROWN SOLICITOR

Level 9, 45 Pirie Street, Adelaide SA 5000

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THIS DEED is made the

24th day of October

2005

BETWEEN:

MINISTER FOR MINERAL RESOURCES DEVELOPMENT a body corporate pursuant to the Administrative Arrangements Act, 1994 (SA) and whose office is situated at Level 9, 178 North Terrace, Adelaide 5000 in the State of South Australia. ("Minister")

COMMISSIONER OF STATE TAXATION

S.A. STAMP DUTY PAID

ORIGINAL with 0 copies

21/12/2005 14:45:39

DEED

AND

ORIGIN ENERGY RESOURCES LIMITED A.B.N. 66 007 845 338 of Level 2, South Tower John Oxley Centre, 339 Coronation Drive, Milton Queensland (formally named Boral Energy Resources Ltd), **DELHI PETROLEUM PTY LTD** A.B.N. 65 007 854 686 of c/- Gradav Ltd., 128 Crown Street, East Sydney, NSW, **NOVUS AUSTRALIA RESOURCES NL** A.B.N. 75 004 761 255 of Level 19, 321 Kent Street, Sydney, New South Wales (formerly named Gulf (Aust) Resources No Liability, **SANTOS LIMITED** A.B.N. 80 007 550 923 of Level 29, 91 King William Street, Adelaide, South Australia, **VAMGAS PTY LTD** A.B.N. 006 245 100 of Level 29, 91 King William Street, Adelaide, South Australia ("Licensees")

RECITALS:

- A. By way of three deeds between the Parties, one deed dated 23 July 1999 and two deeds dated 12 June 2001, the Parties agreed certain special conditions on Petroleum Production Licences ("PPL") that require that areas greater than twice the proved and probable area of the field, be surrendered by various agreed dates.
- B. Several of the special conditions on Petroleum Production Licences have been met. However, many of the special conditions on Petroleum Production Licences remain unmet.
- C. The parties now wish to record that certain Petroleum Production Licences referred to in the Original Deeds have met the special conditions set out in the Original Deeds and

that other Petroleum Production Licences referred to in the Original Deeds have not met the special conditions set out in the Original Deeds and that the Original Deeds as they relate to the unmet special conditions are to be extended to 30 June 2008.

THE PARTIES COVENANT AS FOLLOWS:

1. ACCURACY OF RECITALS

The Parties agree both that the matters referred to in the recitals of this Deed are true and correct in every material particular and that the recitals shall form part of this Deed.

2. DEFINITIONS & INTERPRETATION

2.1 Definitions

Subject to any contrary intention indicated by subject or context, for the purpose of the interpretation of this Deed the following terms and expressions are stipulated as having the following meanings:

2.1.1 **“Petroleum Production Licence / PPL”** means either

- (a) a petroleum production licence granted to the Licensees by the Minister pursuant to *Petroleum Act, 1940* and other enabling legislation and continued pursuant to Section 2 of the Schedule to the *Petroleum Act, 2000*, or
- (b) a petroleum production licence granted to the Licensees by the Minister pursuant to the *Petroleum Act, 2000*.

2.1.2 **“Licensee”** means Origin Energy Resources Limited A.B.N. 66 007 845 338, Delhi Petroleum Pty Ltd A.B.N. 65 007 854 686, Novus Australia Resources NL A.B.N. 75 004 761 255, Santos Limited A.B.N. 80 007 550 923, Vamgas Pty Ltd A.B.N. 006 245 100

2.1.3 **“Parties”** means the parties to this deed.

2.1.4 **“James Deed”** means the deed between the Parties dated 12th June 2001 in relation to PPL182 named James and other PPLs 191, 194 and 197.

2.1.5 **“Lamdina Deed”** means the deed between the Parties dated 12th June 2001 in relation to PPL187 named Lamdina.

2.1.6 **“Patchawarra East Deed”** means the deed between the Parties dated 23 July 1999 in relation to PPLs 156, 142, 152 in an area named Patchawarra East;

2.1.7 **“Original Deeds”** means the James Deed, the Patchawarra East Deed and the Lamdina Deed.

2.2 **Interpretation**

Subject to any contrary intention indicated by subject or context, the following rules of construction shall be used in the interpretation of this Deed.

2.2.1 Words denoting the singular number or plural number include the plural number and singular number respectively.

2.2.2 Words denoting any gender shall include all genders.

2.2.3 Headings are for convenience only and shall not affect interpretation.

2.2.4 Words denoting individuals shall include corporations and vice versa.

2.2.5 A reference to a recital, party, clause, schedule appendix or annexure is a reference to a recital, party, clause, schedule, appendix or annexure of this Deed.

2.2.6 A reference to any Act, regulation or by-law shall be deemed to include all amendments thereto and all statutory provisions substituted hereafter.

2.2.7 The use of "or" shall be that of the inclusive "or", i.e., meaning one, some or all of a number of possibilities or alternatives.

2.2.8 All references to "dollars" or to "\$" are to Australian dollars.

3. **AMENDMENT TO JAMES DEED**

3.1 The Parties agree to amend the James Deed by deleting the words and figure “5 years from grant” where they appear in Column 4 of the Schedule and substituting in their place the words and figures “30 June 2008”.

3.2 The provision of this Deed will be read together with and form part of the James Deed.

4. AMENDMENT TO LAMDINA DEED

- 4.1 The Parties agree to amend the Lamdina Deed by deleting the words and figure “5 years from grant” where they appear in Column 4 of the Schedule to that Deed and in their place substituting the words and figures “30 June 2008”.
- 4.2 The provisions of this Deed will be read together with and form part of the Lamdina Deed.

5. AMENDMENT TO PATCHAWARRA EAST DEED

- 5.1 The Parties agree to amend the Patchawarra Deed by deleting the words and figure “5 years from Grant” where they appear in the third line of Column 4 of the Schedule to that Deed and in their place substituting the words and figures “30 June 2008”.
- 5.2 The Parties agree that PPLs 152 and 156 referred to in the Patchawarra East Deed have met the special conditions set out in that deed.
- 5.3 The provisions of this Deed will be read together with and form part of the Patchawarra East Deed.

6. COSTS

The Parties each bear their own legal costs and expenses incurred in respect of the negotiation, preparation and execution of this Deed. Further, the Licensee shall pay any stamp duty assessed in respect of this Deed.

7. SUCCESSORS BOUND

This Deed binds a party’s successors, personal representatives and assigns.

8. PROPER LAW AND JURISDICTION

- 8.1 The laws in force in South Australia apply to this Deed.
- 8.2 The Parties agree to submit to the exclusive jurisdiction of the courts of South Australia in respect of all disputes arising under or relating to this Deed and any proceedings brought in the Federal Court must be instituted in the Adelaide Registry of the Federal Court.
-

9. COUNTERPARTS

This Deed may be executed in any number of counterparts each of which is taken to be an original. All of those counterparts taken together constitute one document.

10. ORIGINAL DEEDS

Except and to the extent that the Original Deeds are varied by this Deed the Original Deeds remain unchanged.

EXECUTED UNCONDITIONALLY AS A DEED

THE COMMON SEAL of the **MINISTER**
FOR MINERAL RESOURCES
DEVELOPMENT was hereunto affixed by
authority of the Minister in the presence of:



Paul Holloway

.....
Witness
Print Name: *LEE BITZIOS*

Executed for and on behalf of **SANTOS LIMITED,**
and **VAMGAS PTY LTD** respectively by being **SIGNED,**
SEALED AND DELVERED by its duly appointed
Attorney in the presence of:

[Signature]

.....
Witness
Print Name: *DIANE GIBSON*

~~EXECUTED for and on behalf of **DELHI**
PETROLEUM PTY LTD by its duly~~

authorised attorney in the presence of:)

.....
Signature of Witness

.....
Signature of Attorney

.....
Name of Witness

.....
Name of Attorney

THE COMMON SEAL of NOVUS AUSTRALIA)

RESOURCES N.L. was hereunto affixed in accordance)

its constitution in the presence of:)



.....
Director

Print Name:.....

Peter C Wasow
.....
PETER C WASOW

.....
Secretary

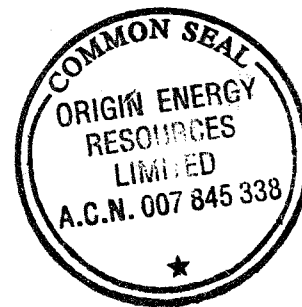
Print Name:.....

Robert James Wishart
.....
ROBERT JAMES WISHART

THE COMMON SEAL of ORIGIN ENERGY)

RESOURCES LTD was hereunto affixed in the presence)

of:)



.....
Director

Print Name:.....

Robert Jan Willink
.....
DIRECTOR
ROBERT JAN WILLINK

.....
Secretary

Print Name:.....

Bruce John Atkinson
.....
Bruce John Atkinson

DPPL

EXECUTED by **DELHI**)
PETROLEUM PTY LTD in)
Accordance with section 127(1) of the)
Corporations Act by authority of its)
Directors:)

[Handwritten Signature])
.....)
Signature of director)

[Handwritten Name])
.....)
Name of director (block letters))

[Handwritten Signature])
.....)
Signature of ~~director~~ company)
secretary*)
*delete whichever is not applicable

[Handwritten Name])
.....)
Name of ~~director~~/company secretary*)
*delete whichever is not applicable

Petroleum Act 2000
S.115

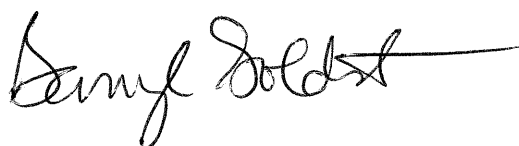
MEMORANDUM

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, 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, 76, 77, 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, 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, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199

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.



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

Petroleum Act 2000

S.115

MEMORANDUM

PETROLEUM PRODUCTION LICENCES 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 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, 76, 77, 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, 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, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199

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;

- SA 2004-44 DPPL Security dated 21 May 2004 between Delhi Petroleum Pty Ltd and Westpac Banking Corporation.



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

Petroleum Act 2000

S.115(2)(e)

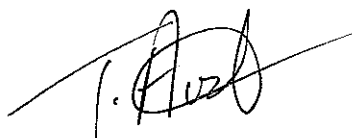
S.117(2)(b)

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, 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, 76, 77, 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, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198 and 199

- 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

PETROLEUM ACT 2000
Grant of Production Licences

Office of Minerals and Energy Resources, Adelaide, 29 June 2001

NOTICE is hereby given that pursuant to delegated powers dated 25 September 2000, *Gazetted* 28 September 2000, page 2289, the undermentioned Production Licences have been granted under the provisions of the Petroleum Act 2000.

C. D. COCKSHELL, Acting Director, Petroleum Group, Delegate of the Minister for Minerals and Energy

No. of Licences	Licensees	Locality	Date Effective From
169, 170, 174, 176, 177, 178, 180, 184 and 193	Santos Ltd Delhi Petroleum Pty Ltd Origin Energy Resources Ltd Vamgas Pty Ltd Novus Australia Resources NL 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	Various Fields in the Cooper Basin of South Australia	29 June 2001
182, 187, 191 and 197	Santos Ltd Delhi Petroleum Pty Ltd Origin Energy Resources Limited Vamgas Pty Ltd Novus Australia Resources NL	Various Fields in the Cooper Basin of South Australia	29 June 2001

(P)PL 169

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°16'30"S AGD66 and longitude 140°50'10"E AGD66, thence east to longitude 140°50'40"E AGD66, south to latitude 28°17'20"S AGD66, east to longitude 140°51'30"E AGD66, north to latitude 28°17'10"S AGD66, east to longitude 140°51'40"E AGD66, south to latitude 28°18'40"S AGD66, east to longitude 140°52'00"E AGD66, north to latitude 28°18'30"S AGD66, east to longitude 140°52'40"E AGD66, south to latitude 28°19'40"S AGD66, west to longitude 140°52'30"E AGD66, south to latitude 28°19'50"S AGD66, west to longitude 140°52'10"E AGD66, south to latitude 28°20'00"S AGD66, west to longitude 140°52'00"E Clarke 1858, north to latitude 140°50'30"E AGD66, north to latitude 28°17'30"S AGD66, west to longitude 140°50'10"E AGD66 and north to the point of commencement.

Area: 13.81 km² approximately.

(P)PL 170

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°44'20"S AGD66 and longitude 139°55'20"E AGD66, thence east to longitude 139°55'50"E AGD66, south to latitude 27°44'30"S AGD66, west to longitude 139°55'40"E AGD66, south to latitude 27°46'10"S AGD66, east to longitude 139°55'50"E AGD66, south to latitude 27°46'20"S AGD66, east to longitude 139°56'20"E AGD66, north to latitude 27°46'10"S AGD66, east to longitude 139°56'30"E AGD66, south to latitude 27°46'30"S AGD66, west to longitude 139°55'30"E AGD66, north to latitude 27°46'10"S AGD66, west to longitude 139°54'50"E AGD66, south to latitude 27°45'10"S AGD66, west to longitude 139°53'50"E AGD66, north to latitude 27°45'10"E AGD66, north to latitude 27°44'40"S AGD66, east to longitude 139°54'00"E AGD66, north to latitude 27°45'00"S Clarke 1858, east to longitude 139°54'10"E AGD66, north to latitude 27°44'40"S AGD66, east to longitude 139°54'20"E AGD66, north to latitude 27°44'30"S AGD66, east to longitude 139°55'20"E AGD66 and north to the point of commencement.

Area: 10.11 km² approximately.

(P)PL 174

Description of Field

All that part of the State of South Australia, bounded as follows: Commencing at a point being the intersection of latitude 27°39'30"S AGD66 and longitude 140°15'00"E AGD66, thence east to longitude 140°17'00"E AGD66, south to latitude 27°41'00"S AGD66, west to longitude 140°16'00"E Clarke 1858, south to latitude 27°41'00"S Clarke 1858, west to longitude 140°14'00"E Clarke 1858, south to latitude 27°41'40"S AGD66, west to longitude 140°13'20"E AGD66, north to latitude 27°40'50"S AGD66, east to longitude 140°13'40"E AGD66, north to latitude 27°40'40"S AGD66, east to longitude 140°14'00"E AGD66, north to latitude 27°40'30"S AGD66, east to longitude 140°14'10"E AGD66, north to latitude 27°40'10"S AGD66, east to longitude 140°14'30"E AGD66, north to latitude 27°40'00"S AGD66, east to longitude 140°15'00"E AGD66 and north to the point of commencement.

Area: 13.28 km² approximately.

(P)PL 176

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°32'20"S AGD66 and longitude 139°43'00"E AGD66, thence east to longitude 139°43'20"E AGD66, south to latitude 27°32'30"S AGD66, east to longitude 139°43'40"E AGD66, south to latitude 27°32'50"S AGD66, east to longitude 139°44'10"E AGD66, south to latitude 27°33'00"S AGD66, east to longitude 139°44'20"E AGD66, south to latitude 27°33'40"S AGD66, west to longitude 139°43'50"E AGD66, south to longitude 139°44'10"E AGD66, south to latitude 27°33'50"S AGD66, west to longitude 139°43'50"E AGD66, south to latitude 27°34'00"S AGD66, west to longitude 139°42'40"E AGD66, north to latitude 27°33'50"S AGD66, west to longitude 139°42'10"E AGD66, north to latitude 27°33'00"S AGD66, east to longitude 139°42'20"E AGD66, north to latitude 27°32'50"S AGD66, east to longitude 139°42'30"E AGD66, north to latitude 27°32'40"S AGD66, east to longitude 139°42'40"E AGD66, north to latitude 27°32'30"S AGD66, east to longitude 139°43'00"E AGD66, and north to the point of commencement.

Area: 8.16 km² approximately.

(P)PL 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°25'10"S AGD66 and longitude 139°44'10"E AGD66, thence east to longitude 139°45'00"E AGD66, south to latitude 27°26'00"S AGD66, west to longitude 139°44'50"E AGD66, south to latitude 27°26'20"S AGD66, east to longitude 139°45'10"E AGD66, south to latitude 27°27'00"S AGD66, west to longitude 139°44'50"E AGD66, south to latitude 27°27'20"S AGD66, west to longitude 139°44'20"E AGD66, south to latitude 27°27'30"S AGD66, west to longitude 139°42'50"E AGD66, north to latitude 27°27'10"S AGD66, west to longitude 139°42'40"E AGD66, north to latitude 27°26'20"S AGD66, east to longitude 139°42'50"E AGD66, north to latitude 27°26'10"S AGD66, east to longitude 139°43'40"E AGD66, north to latitude 27°26'00"S AGD66, east to longitude 139°43'50"E AGD66, north to latitude 27°25'50"S AGD66, east to longitude 139°44'00"E AGD66, north to latitude 27°25'30"S AGD66, east to longitude 139°44'10"E AGD66, and north to the point of commencement.

Area: 11.98 km² approximately.

(P)PL 178

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 AGD66 and longitude 140°05'50"E AGD66, thence east to longitude 140°06'00"E AGD66, south to latitude 27°54'10"S AGD66, west to longitude 140°05'00"E AGD66, north to latitude 27°54'00"S AGD66, west to longitude 140°03'30"E AGD66, north to latitude 27°53'40"S AGD66, east to longitude 140°03'40"E AGD66, north to latitude 27°53'30"S AGD66, east to longitude 140°04'00"E AGD66, north to latitude 27°53'20"S AGD66, east to longitude 140°04'10"E AGD66, north to latitude 27°53'10"S AGD66, east to longitude 140°04'20"E AGD66, north to latitude 27°53'00"S AGD66, east to longitude 140°04'30"E AGD66, north to latitude 27°52'50"S AGD66, east to longitude 140°04'40"E AGD66, north to latitude 27°52'40"S AGD66, east to longitude 140°05'50"E AGD66 and north to the point of commencement.

Area: 8.80 km² approximately.

(P)PL 180

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°44'00"S Clarke 1858 and longitude 140°05'35"E AGD66, thence east to longitude 140°07'00"E Clarke 1858, south to latitude 27°45'00"S Clarke 1858, west to longitude 140°05'35"E AGD66 and north to the point of commencement.

Area: 3.89 km² approximately.

(P)PL 182

Description of Area

All that part of the State of South Australia bounded as follows: Commencing at a point being the intersection of latitude 26°48'30"S AGD66 and longitude 140°50'25"E AGD66, thence east to longitude 140°50'55"E AGD66, south to latitude 26°48'40"S AGD66, east to longitude 140°51'05"E AGD66, south to latitude 26°49'20"S AGD66, east to longitude 140°51'10"E AGD66, south to latitude 26°49'30"S AGD66, west to longitude 140°51'05"E AGD66, south to latitude 26°49'40"S AGD66, west to longitude 140°50'25"E AGD66, north to latitude 26°49'30"S AGD66, west to longitude 140°50'15"E AGD66, north to latitude 26°48'40"S AGD66, east to longitude 140°50'25"E AGD66, and north to the point of commencement.

Area: 2.76 km² approximately.

(P)PL 184

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°21'55"S AGD66 and longitude 140°31'40"E AGD66, thence east to longitude 140°32'05"E AGD66, south to latitude 28°22'15"S AGD66, west to longitude 140°32'00"E AGD66, south to latitude 28°22'20"S AGD66, west to longitude 140°31'45"E AGD66, south to latitude 28°22'25"S AGD66, west to longitude 140°31'40"E AGD66, south to latitude 28°22'35"S AGD66, west to longitude 140°31'30"E AGD66, south to latitude 28°23'00"S AGD66, west to longitude 140°31'25"E AGD66, south to latitude 28°23'10"S AGD66, west to longitude 140°31'15"E AGD66, south to latitude 28°23'25"S AGD66, west to longitude 140°30'50"E AGD66, north to latitude 28°23'05"S AGD66, east to longitude 140°30'55"E AGD66, north to latitude 28°22'45"S AGD66, east to longitude 140°31'00"E AGD66, north to latitude 28°22'40"S AGD66, east to longitude 140°31'05"E AGD66, north to latitude 28°22'35"S AGD66, east to longitude 140°31'10"E AGD66, north to latitude 28°22'25"S AGD66, east to longitude 140°31'25"E AGD66, north to latitude 28°22'15"S AGD66, east to longitude 140°31'30"E AGD66, north to latitude 28°22'10"S AGD66, east to longitude 140°31'35"E AGD66, north to latitude 28°22'00"S AGD66, east to longitude 140°31'40"E AGD66, and north to the point of commencement.

Area: 2.27 km² approximately.

(P)PL 187

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°20'00"S AGD66 and longitude 140°23'10"E AGD66, thence east to longitude 140°24'50"E AGD66, south to latitude 27°21'30"S AGD66, west to longitude 140°24'40"E AGD66, south to latitude 27°21'50"S AGD66, west to longitude 140°24'30"E AGD66, south to latitude 27°22'10"S AGD66, west to longitude 140°24'10"E AGD66, south to latitude 27°22'30"S AGD66, west to longitude 140°22'10"E AGD66, north to latitude 27°21'20"S AGD66, east to longitude 140°22'20"E AGD66, north to latitude 27°21'00"S AGD66, east to longitude 140°22'40"E AGD66, north to latitude 27°20'30"S AGD66, east to longitude 140°22'50"E AGD66, north to latitude 27°20'20"S AGD66, east to longitude 140°23'10"E AGD66, and north to the point of commencement.

Area: 16.82 km² approximately.

(P)PL 191

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°13'30"S AGD66 and longitude 140°35'10"E AGD66, thence east to longitude 140°37'00"E AGD66, south to latitude 27°14'20"S AGD66, west to longitude 140°36'40"E AGD66, south to latitude 27°14'30"S AGD66, west to longitude 140°36'10"E AGD66, south to latitude 27°14'50"S AGD66, west to longitude 140°35'50"E AGD66, south to latitude 27°15'00"S AGD66, west to longitude 140°35'40"E AGD66, south to latitude 27°15'10"S AGD66, west to longitude 140°35'30"E AGD66, south to latitude 27°15'30"S AGD66, west to longitude 140°35'20"E AGD66, south to latitude 27°15'40"S AGD66, west to longitude 140°34'20"E AGD66, north to latitude 27°14'30"S AGD66, east to longitude 140°34'30"E AGD66, north to latitude 27°14'30"S AGD66, east to longitude 140°35'00"E AGD66, north to latitude 27°14'20"S AGD66, east to longitude 140°35'10"E AGD66, and north to the point of commencement.

Area: 10.36 km² approximately.

(P)PL 193

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°34'10"S AGD66 and longitude 140°03'00"E Clarke 1858, thence east to longitude 140°04'20"E AGD66, north to latitude 27°34'00"S AGD66, east to longitude 140°04'30"E AGD66, north to latitude 27°33'50"S AGD66, east to longitude 140°06'00"E Clarke 1858, south to latitude 27°34'20"S AGD66, west to longitude 140°05'40"E AGD66, south to latitude 27°34'30"S AGD66, west to longitude 140°05'20"E AGD66, west to longitude 140°04'50"E AGD66, south to latitude 27°34'50"S AGD66, west to longitude 140°04'20"E AGD66, south to latitude 27°35'00"S AGD66, west to longitude 140°04'10"E AGD66, south to latitude 27°35'10"S AGD66, west to longitude 140°03'50"E AGD66, south to latitude 27°35'30"S AGD66, west to longitude 140°03'40"E AGD66, south to latitude 27°35'40"S AGD66, west to longitude 140°03'30"E AGD66, south to latitude 27°35'50"S AGD66, west to longitude 140°03'20"E AGD66, south to latitude 27°36'00"S AGD66, west to longitude 140°03'10"E AGD66, south to latitude 27°36'10"S AGD66, west to longitude 140°03'00"E Clarke 1858 and north to the point of commencement.

Area: 10.15 km² approximately.

(P)PL 197

Description of Area

Commencing at a point being the intersection of latitude 27°37'00"S AGD66 and longitude 140°15'00"E Clarke 1858, thence east to longitude 140°16'00"E Clarke 1858, south to latitude 27°38'00"S Clarke 1858, west to longitude 140°15'00"E Clarke 1858 and north to the point of commencement.

Area: 3.03 km² approximately.

GRANT OF FIRST RENEWAL OF (P) EXPLORATION LICENCE

Office of Minerals and Energy Resources, Adelaide, 29 June 2001

NOTICE is hereby given that pursuant to delegated powers dated 25 September 2000, *Gazetted* 28 September 2000, page 2289, the undermentioned (P) Exploration Licence has been renewed under the provisions of the Petroleum Act 2000.

C. D. COCKSHELL, Acting Director, Petroleum Group, Office of Minerals and Energy Resources, Delegate of the Minister for Minerals and Energy

No. of Licence	Licensees	Locality	Date of Expiry	Area in km ²	Reference
66	Origin Energy Resources Ltd Beach Petroleum NL	Orway Basin of South Australia	17 June 2006	376	SR.27.2.138

Description of Area

All that part of the State of South Australia, bounded as follows: Commencing at a point being the intersection of latitude 37°10'S AGD66 and longitude 140°15'E AGD66, thence east to longitude 140°20'E AGD66, south to latitude 37°15'S AGD66, east to longitude 140°30'E AGD66, south to latitude 37°20'S AGD66, east to longitude 140°32'30"E AGD66, south to latitude 37°25'S AGD66, west to longitude 140°30'E AGD66, south to latitude 37°27'30"S AGD66, east to longitude 140°32'30"E AGD66, south to latitude 37°30'S GDA94, west to longitude 140°22'30"E AGD66, north to latitude 37°25'S AGD66, east to longitude 140°27'30"E AGD66, north to latitude 37°17'30"S AGD66, west to longitude 140°15'E AGD66, and north to the point of commencement.

MEMORANDUM

PRODUCTION LICENCE NO. 182

1. This licence granted on *29 June 2001* is hereby entered on the Petroleum Register.
2. A security in the form of a \$15,000 bank guarantee has been lodged with respect to this licence.
3. Interests in the licence are as follows:

	%
• Santos Ltd	25.6022
• Delhi Petroleum Pty Ltd	17.143
• Origin Energy Resources Limited	10.536
• Vamgas Pty Ltd	43.7500
• Novus Australia Resources NL	2.9688



.....
C D Cockshell
ACTING DIRECTOR PETROLEUM
Delegate of the Minister for Minerals
and Energy

**SOUTH AUSTRALIA
PETROLEUM ACT 2000**

PRODUCTION LICENCE NO. 182

I, **ROBERT ANTHONY LAWS**, Director Petroleum, Office of 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* and all other enabling powers for and on behalf of Wayne Anthony Matthew, Minister for Minerals and Energy (Minister) pursuant to delegation dated 25 September 2000 (refer Government Gazette dated 28 September 2000), **HEREBY GRANT JOINTLY TO :-**

- **SANTOS LIMITED**, ABN 80 007 550 923 of Level 29, 91 King William Street, Adelaide, South Australia,
- **DELHI PETROLEUM PTY LTD**, ABN 65 007 854 686 of 12 Riverside Quay, Southbank, Victoria,
- **VAMGAS PTY LTD**, ABN 76 006 245 110 of Level 29, 91 King William Street, Adelaide, South Australia,
- **ORIGIN ENERGY RESOURCES LIMITED**, ABN 66 007 845 338 of Level 12, 1 King William Street, Adelaide, and
- **NOVUS AUSTRALIA RESOURCES NO LIABILITY**, ABN 75 004 761 255 of Level 9, 321 Kent Street, Sydney, New South Wales.

(herein after referred to as the '**Licensees**') a Production Licence, in relation to all regulated resources except a source of geothermal energy and in respect of the area described below and subject to the conditions set out below, to have effect from the 29th day of JUNE 2001.

DESCRIPTION OF THE AREA

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

TERMS AND CONDITIONS

By agreement between the Minister and the Producers pursuant to the provisions of the *Petroleum Act 2000* the following terms and conditions apply to this Licence.

1. Payment of Fees and Royalty

The Licensees hereby covenant with the Minister that they will make payment of the annual fee and royalty provided under the *Petroleum Act 2000* and comply with the provisions of the *Petroleum Act 2000* and with all Regulations

for the time being in force under that Act and with any directions given by the Minister or any other person pursuant to that Act or the said Regulations.

2. **Joint interests**

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

Santos	:	twenty five point six zero two two	(25.6022%)
Delhi	:	seventeen point one four three	(17.143%)
Origin Energy	:	ten point five three six	(10.536%)
Vamgas	:	forty three point seven five	(43.75%)
Novus	:	two point nine six eight eight	(2.9688%)

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 *Petroleum Act 2000*) 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 8th day of April 1974 which the Licensees are parties and as the same has been amended and as may hereafter be amended from time to time.

- 3. The Licensees shall comply with its obligations under the Deed dated *12 June 2001* between the Minister for Minerals and Energy and Santos Limited, Delhi Petroleum Pty Ltd, Origin Energy Resources Limited, Vamgas Pty Ltd, Novus Australia Resources NL.

SIGNED by the **DIRECTOR PETROLEUM, DEPARTMENT OF PRIMARY INDUSTRIES AND RESOURCES** at Adelaide

this *29th* day of *June* 2001



C.D. Coetshell, Acting Director Petroleum
 for **Robert Anthony Laws**
Director Petroleum
Office of Minerals and Energy Resources
Department of Primary Industries and Resources
Delegate of the Minister for Minerals and Energy

SIGNED, SEALED AND DELIVERED)
by the said **LICENSEES** at *Adeburle*)
this *26* day of *June* 2001)

Executed on behalf of **SANTOS LIMITED**)
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 affecting such)
appointment, in the presence of:)

(Witness)

EXECUTED for and on behalf of)
DELHI PETROLEUM PTY LTD)
by its duly authorised attorney)
in the presence of:)

Signature of Witness

Signature of Attorney

Marie-Anne Rustichelli

Peter Dinnick

Name of Witness

Name of Attorney

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

.....
(Director)
Signed for and on behalf of **ORIGIN ENERGY RESOURCES LIMITED** by John Stephen Rodda, its Attorney pursuant to Power of Attorney dated 5 March 2001, the Attorney declares that the Attorney has not received any notice of revocation of such Power of Attorney, in the presence of:

Rodda
.....
Witness

[Signature]
.....
(Secretary)



THE COMMON SEAL of NOVUS AUSTRALIA RESOURCES NL was hereunto affixed in the presence of:

[Signature]
.....
(Director)

[Signature]
.....
(Secretary)

SCHEDULE
PRODUCTION LICENCE NO. 182

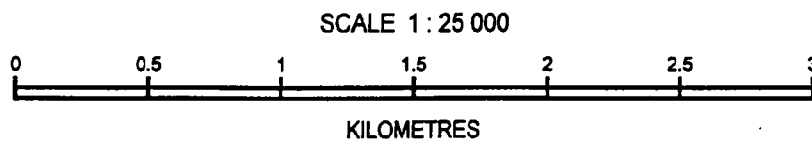
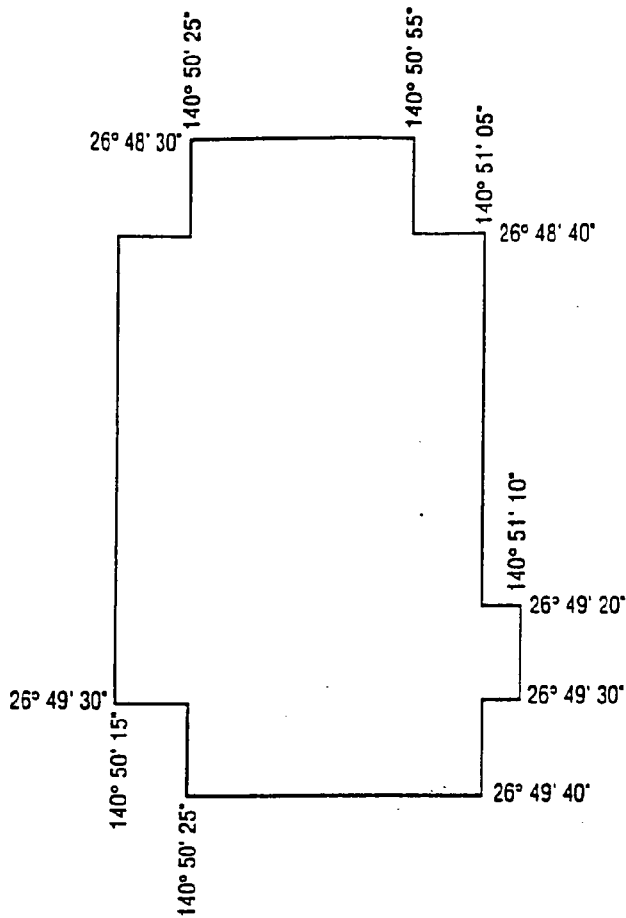
JAMES FIELD

DESCRIPTION OF AREA

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

Commencing at a point being the intersection of latitude 26°48'30"S AGD66 and longitude 140°50'25"E AGD66, thence east to longitude 140°50'55"E AGD66, south to latitude 26°48'40"S AGD66, east to longitude 140°51'05"E AGD66, south to latitude 26°49'20"S AGD66, east to longitude 140°51'10"E AGD66, south to latitude 26°49'30"S AGD66, west to longitude 140°51'05"E AGD66, south to latitude 26°49'40"S AGD66, west to longitude 140°50'25"E AGD66, north to latitude 26°49'30"S AGD66, west to longitude 140°50'15"E AGD66, north to latitude 26°48'40"S AGD66, east to longitude 140°50'25"E AGD66, and north to the point of commencement.

AREA: 2.76 square kilometres approximately.



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)

JAMES FIELD

PRODUCTION LICENCE NO. 182

DATED *twelfth* DAY OF *June* 2001

DEED

BETWEEN

**MINISTER FOR MINERALS AND ENERGY
("MINISTER")**

AND

**ORIGIN ENERGY RESOURCES LIMITED
A.B.N. 66 007 845 338**

**DELHI PETROLEUM PTY LTD
A.B.N. 65 007 854 686**

**NOVUS AUSTRALIA RESOURCES NL
A.B.N. 75 004 761 255**

**SANTOS LIMITED
A.B.N. 80 007 550 923**

**VAMGAS PTY LTD
A.B.N. 76 006 245 110**

("LICENCEES")

THIS DEED is dated the *twelfth* day of *June* 2001

BETWEEN:

MINISTER FOR MINERALS AND ENERGY a body corporate pursuant to the Administrative Arrangements Act, 1994 (SA) and whose office is situated at 12th Floor, 211 Victoria Square, Adelaide, 5000 in the State of South Australia ("**Minister**")

MINISTER OF STATE TAXATION
S.A. STAMP DUTY PAID \$10.00
ADJUDGED DAILY STAMPED
ORIGINAL with 1 copies
25/06/2001 15:57:41 00659317.1
DEED

AND

ORIGIN ENERGY RESOURCES LIMITED A.B.N.⁶⁶ 007 845 338 of Level 6, 1 King William Street, Adelaide, South Australia, **DELHI PETROLEUM PTY LTD** A.B.N. 65 007 854 686 *A* of ~~Esso Australia Ltd.~~, Esso House, 12 Riverside Quay, Southbank, Victoria, **NOVUS AUSTRALIA RESOURCES NL** A.B.N. 75 004 761 255 of Level 19, 321 Kent Street, Sydney, New South Wales, **SANTOS LIMITED** A.B.N. 80 007 550 923 of Level 29, 91 King William Street, Adelaide, South Australia, **VAMGAS PTY LTD** A.B.N. 006 245 ¹¹⁰~~400~~ of Level 29, 91 King William Street, Adelaide, South Australia ("**Licensees**").

OPERATIVE PROVISIONS

1. Pursuant to the Minister's offer to grant the production licence identified in the attached schedule (a "Licence") to the Licensees, the Licensees hereby agree and undertake to:

1.1 make application to the Minister to surrender such part (if any) of the licensed area ("Surrendered Areas") on or before the date specified for the Licence in the fourth column of the schedule so that the remaining area of the Licence is no greater than the combined total of:

(a) the area under which proved and probable reserves of petroleum occur including areas under which proved and probable reserves of petroleum can be demonstrated to have occurred prior to the initiation of production from the field; and

(b) surrounding land identified by the Licensees equal in size to the area mentioned in 1.1(a);

1.2 surrender the least number of separate areas where technically appropriate and with regard to good petroleum field practice and defined by parallels of latitude and meridians longitude expressed in the Geocentric Datum of Australia (GDA), 1994.

2. The Parties (which in this Deed shall mean the Minister and each of the Licensees) agree that the Licensees will have no right to retain title over the Surrendered Areas as a retention licence under any legislation which allows for such licences.

3. If the Minister following a technical review with the Licensees forms the view that the area or areas identified by the Licensees under 1.1(a) is or are not technically justified having regard to the matters referred to at 3.1 and 3.2, the Parties agree to appoint a suitably qualified expert (whose decision shall be final and binding), the costs of whom shall be borne equally between the Minister on the one hand and the Licensees on the other, to determine such area or areas. In the event the Parties fail to agree on the appointment of a suitably qualified expert, the expert shall be appointed by the President of the Society of Petroleum Engineers or his or her nominee. The expert shall, in making his determination, have regard to:

3.1 the 1997 SPE/WPC Reserve Definitions; and

3.2 PIRSA's "Department of Mines and Energy, South Australia Report Book 91/96".

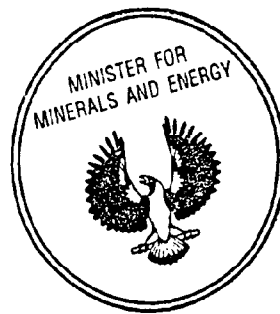
4. This Deed may not be amended or varied except by the written agreement of all Parties.

5. This Deed may be executed in any number of counterparts each of which is taken to be an original. All of those counterparts taken together constitute one instrument.

6. This Deed shall be governed and construed in all respects in accordance with the laws of South Australia and the Parties agree to submit to the exclusive jurisdiction of the courts of South Australia in respect of all disputes arising under or relating to this Deed.

EXECUTED AS A DEED

THE COMMON SEAL of the **MINISTER FOR MINERALS AND ENERGY** was hereunto affixed in the presence of:



Wayne Anthony Matthew

The Honourable Wayne Anthony Matthew MP
Minister for Minerals and Energy

Paige Hayward

Witness
Print Name: PAIGE HAYWARD

SIGNED, SEALED AND DELIVERED by the said **LICENSEES** at Adelaide this 1st day of June 2001

Executed on behalf of **SANTOS LIMITED** 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:

Jan Miller

Jan Miller

Witness
Print Name: JAN MILLER

THE COMMON SEAL of the ORIGIN ENERGY RESOURCES LTD was hereunto affixed in the presence of:

J. Rodda
Director ~~Attest~~ Signed for and on behalf of **ORIGIN ENERGY RESOURCES LIMITED** by John Stephen Rodda, its Attorney pursuant to Power of Attorney dated 5 March 2001, the Attorney declares that the Attorney has not received any notice of revocation of such Power of Attorney, in the presence of:

Danese
Witness
Secretary
Print Name: T Danese

EXECUTED for and on behalf of **DELHI PETROLEUM PTY LTD** by its duly authorised attorney in the presence of:

[Signature]
Signature of Witness
Marie-Anne Rusticelli
Name of Witness

[Signature]
Signature of Attorney
IAN WILLIAM ANGUS
Name of Attorney

THE COMMON SEAL of NOVUS AUSTRALIA RESOURCES N.L. was hereunto affixed in accordance with its constitution in the presence of:

[Signature]
Director
Print Name: KENNETH C. WILLIAMS

[Signature]
Secretary ~~Director~~
Print Name: M. SANDY



THE SCHEDULE

PL NUMBER	PL NAME	AREA OF LICENCE (Km²)	DATE
COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
182	James	2.76	5 years from grant
191	Moondie	10.36	5 years from grant
194	Reg Sprigg	5.99	5 years from grant
197	Tirra/Moor/Wool (East)	3.03	5 years from grant

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) (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