INDEX OF DOCUMENTS HELD ON THE PUBLIC REGISTER FOR PPL 187

1. 12 June 2001 Deed dated 12 June 2001 between the Minster 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 Minster for Minerals Resources Development and:

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

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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. 21 July 2009	Partial Surrender of Licence Area and Revocation of Licence Condition.
14. 21 July 2009	Memorandum entering partial surrender and revocation on public register.
15. 23 July 2009	Gazettal of partial surrender of licence area.
16. 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
17. 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
18. 17 May 2016	Memorandum entering notation of the following registrable dealing on the public register.
	General Security Deed dated 30 July 2013 between Delhi Petroleum Pty Ltd and Westpac Banking Corporation. Ref: SA 2016-02
19. 9 August 2017	Certificate of Registration on Change of Company Name dated 29 June 2017.
	From: Origin Energy Resources Limited To: Lattice Energy Limited
20. 9 August 2017	Memorandum entering notation of change of company name on the public register.

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21. 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

22. 22 January 2020 Certificate of Registration on Change of Name dated 2 December 2019.

From: Lattice Energy Limited

To: Beach Energy (Operations) Limited

23. 22 January 2020 Memorandum entering notation of change of company name on the public register.

24. 27 November 2020 Memorandum entering notation of revision to security arrangements on the public register.

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MEMORANDUM

PETROLEUM EXPLORTION LICENCE PEL 570

PETROLEUM RETENTION LICENCES

PRLs 14, 17, 18, 28, 29, 30, 31, 111, 112, 113, 114, 115, 131, 132, 133, 134, 180, 181, 182, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205 and 206

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, 206, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238 and 252

SPECIAL FACILITIES LICENCE SFL 15

PIPELINE LICENCES PLs 2, 5, 9, 15, 17 and 20

- 1. Notation of revision to security arrangements is hereby entered on the public register.
- 2. Effective 27 November 2020, future revisions to security arrangements for the abovementioned licences will no longer be noted on the public register.

BARRY A. GOLDSTEIN

Executive Director Energy Resources Division

Description Comments of

Department for Energy and Mining

Delegate of the Minister for Energy and Mining

Date: 27 November 2020

Ref: F2020/000930

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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.

fances Physton

Issued by the Australian Securities and Investments Commission on this second day of December 2019.

James Shipton Chair

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

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.

V. Helow A

Greg Medcraft Chairman

MEMORANDUM

PETROLEUM PRODUCTION LICENCE PPL 187

SA 2016-02

Notation of registrable dealing as evidenced by General Security Deed dated 30 July 2013 between Delhi Petroleum Pty Ltd and Westpac Banking Corporation is hereby entered on the public register.

BARRY A. GOLDSTEIN

Executive Director

Energy Resources Division

Department of State Development

Delegate of the Minster for Mineral Resources and Energy

Date: 17 May 2016

Ref: 28/01/00252

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 Minster for Mineral Resources and Energy

Date: 28 June 2012

Ref: various files

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 belowmentioned Petroleum Production Licence areas, pursuant to delegated powers dated 28 March 2002, *Gazetted* 11 April 2002, page 1573:

No of Licence	Licensees	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		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		Cooper Basin of South Australia	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		1.1.09	2.030	28/1/149
PPL 187	Delhi Petroleum Pty Ltd Origin Energy Resources Ltd Vamgas Pty Ltd Santos (NARNL Cooper) Pty Ltd	Cooper Basin of South Australia	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′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′45″S AGD66, east to longitude 139°57′25″E AGD66, north to latitude 28°26′45″S AGD66, east to longitude 139°57′25″E AGD66, north to latitude 28°26′45″S 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°46′00″E GDA94, south to latitude 27°47′40″S GDA94, west to longitude 139°46′55″E GDA94, south to latitude 27°47′40″S GDA94, west to longitude 139°46′50″E GDA94, south to latitude 27°47′50″S GDA94, west to longitude 139°46′25″E GDA94, south to latitude 27°47′52″S GDA94, west to longitude 139°46′25″E GDA94, south to latitude 27°47′52″S GDA94, west to longitude 139°46′25″E GDA94, south to latitude 27°47′52″S 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, east to longitude 139°46′20″E GDA94, east to longitude 139°46′20″E GDA94, east to longitude 139°46′30″E GDA94, east to longitude 139°46′25″E 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′30″E GDA94, north to latitude 27°47′10″S GDA94, east to longitude 139°46′30″E GDA94, north to latitude 27°47′10″S GDA94, east to longitude 139°46′45″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 $27^\circ39'30''S$ AGD66 and longitude $140^\circ15'00''E$ AGD66, thence east to longitude $140^\circ17'00''E$ AGD66, south to latitude $27^\circ40'35''S$ GDA94, west to longitude $140^\circ16'55''E$ GDA94, south to latitude $27^\circ40'45''S$ GDA94, west to longitude $140^\circ16'40''E$ GDA94, south to latitude $27^\circ40'50''S$ GDA94, west to longitude $140^\circ16'30''E$ GDA94, south to latitude $27^\circ41'00''S$ AGD66, west to longitude $140^\circ16'90''E$ Clarke1858, north to latitude $27^\circ41'90''S$ Clarke1858, south to latitude $27^\circ41'40''S$ AGD66, west to longitude $140^\circ13'20''E$ AGD66, north to latitude $27^\circ40'50''S$ AGD66, east to longitude $140^\circ13'40''E$ AGD66, north to latitude $27^\circ40'40''S$ AGD66, east to longitude $140^\circ13'40''E$ AGD66, north to latitude $27^\circ40'40''S$ AGD66, east to longitude $140^\circ14'10''E$ AGD66, north to latitude $27^\circ40'40''S$ AGD66, east to longitude $140^\circ14'10''E$ AGD66, north to latitude $27^\circ40'10''S$ AGD66, east to longitude $140^\circ14'10''E$ AGD66, north to latitude $27^\circ40'10''S$ AGD66, east to longitude $140^\circ14'10''E$ AGD66, north to latitude $27^\circ40'10''S$ AGD66, east to longitude $140^\circ14'10''E$ AGD66, north to latitude $27^\circ40'10''S$ AGD66, east to longitude $140^\circ14'10''E$ AGD66, north to latitude $27^\circ40'10''S$ AGD66, east to longitude $140^\circ14'10''E$ AGD66, east to longitude $140^\circ14'10''E$ AGD66, north to latitude $27^\circ40'10''S$ AGD66, east to longitude $140^\circ14'10''E$ AGD66, ea

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 $28^{\circ}13'50''S$ AGD66 and longitude $139^{\circ}55'05''E$ GDA94, thence east to longitude $139^{\circ}55'40''E$ GDA94, south to latitude $28^{\circ}14'30''S$ AGD66, west to longitude $139^{\circ}54'40''E$ AGD66, north to latitude $28^{\circ}14'05''S$ GDA94, east to longitude $139^{\circ}54'55''E$ GDA94, north to latitude $28^{\circ}13'55''S$ GDA94, east to longitude $139^{\circ}55'00''E$ GDA94, north to latitude $28^{\circ}13'50''S$ GDA94, east to longitude $139^{\circ}55'05''E$ 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 $27^{\circ}52'40''S$ AGD66c and longitude $140^{\circ}04'40''E$ AGD66, thence east to longitude $140^{\circ}05'45''E$ GDA94, south to latitude $27^{\circ}53'00''S$ GDA94, west to longitude $140^{\circ}05'40''E$ GDA94, south to latitude $27^{\circ}54'00''S$ Clarke1858, west to longitude $140^{\circ}03'30''E$ AGD66, north to latitude $27^{\circ}53'40''S$ AGD66, east to longitude $140^{\circ}03'40''E$ AGD66, north to latitude $27^{\circ}53'30''S$ AGD66, east to longitude $140^{\circ}04'10''E$ AGD66, north to latitude $27^{\circ}53'10''S$ AGD66, east to longitude $140^{\circ}04'10''E$ AGD66, north to latitude $27^{\circ}53'10''S$ AGD66, east to longitude $140^{\circ}04'10''E$ AGD66, north to latitude $27^{\circ}53'10''S$ AGD66, east to longitude $140^{\circ}04'10''E$ 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′50″E AGD66, south to latitude 28°23′25″S AGD66, west to longitude 140°05′50″E GDA94, south to latitude 28°23′35″S GDA94, east to longitude 140°05′50″E GDA94, south to latitude 28°23′35″S GDA94, east to longitude 140°05′45″E GDA94, south to latitude 28°23′35″S GDA94, south to latitude 28°24′20″S AGD66, west to longitude 140°05′35″E AGD66, south to latitude 28°24′25″S GDA94, west to longitude 140°05′30″E AGD66, west to longitude 140°05′30″E AGD66, south to latitude 28°24′25″S GDA94, west to longitude 140°05′00″E GDA94, north to latitude 28°24′25″S GDA94, west to longitude 140°05′00″E AGD66, north to latitude 28°24′25″S GDA94, east to longitude 140°05′00″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 AGD66, north to latitude 28°23′20″S GDA94, east to longitude 140°04′50″E AGD66, north to latitude 28°23′20″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′55″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′20″E AGD66, south to latitude 27°35′00″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′10″S AGD66, east to longitude 140°03′50″E 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, 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′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′25″E AGD66, south to latitude 27°33′35″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′20″S AGD66, west to longitude 140°23′30″E AGD66, west to longitude 140°23′30″E AGD66, west to longitude 140°23′20″E AGD66, west to longitude 140°23′25″E AGD66, west to longitude 140°23′20″E AGD66, west to longitude 140°23′25″E AGD66, west to longitude 140°23′20″E AGD66, west to longitude 140°22′30″E AGD66, west to longit

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′40″E AGD66, north to latitude 27°33′20″S AGD66, east to longitude 140°22′50″E AGD66, north to latitude 27°32′55″S AGD66, east to longitude 140°23′00″E AGD66, north to latitude 27°32′55″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′55″E GDA94, south to latitude 26°48′50″S GDA94, west to longitude 140°50′55″E GDA94, south to latitude 26°48′50″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′56″S GDA94, east to longitude 140°50′59″E GDA94, south to latitude 26°48′56″S GDA94, east to longitude 140°51′00″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′38″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′32″E GDA94, north to latitude 26°48′35″S GDA94, west to longitude 140°50′32″E GDA94, north to latitude 26°48′37″S GDA94, east to longitude 140°50′32″E GDA94, north to latitude 26°48′37″S GDA94, east to longitude 140°50′32″E GDA94, north to latitude 26°48′37″S GDA94, east to longitude 140°50′32″E GDA94, north to latitude 26°48′37″S GDA94, east to longitude 140°50′32″E GDA94, north to latitude 26°48′37″S GDA94, east to longitude 140°50′32″E GDA94, north to latitude 26°48′37″S GDA94, east to longitude 140°50′32″E GDA94, north to latitude 26°48′32″S GDA94, east to longitude 140°50′32″E GDA94, north to latitude 26°48′29″S GDA94, east to longitude 140°50′32″E GDA94, north to latitude 26°48′29″S GDA94, east to longitude 140°50′32″E GDA94, north to latitude 26°48′29″S GDA94, east to longitude 140°50′32″E GDA94, north to latitude 26°48′29″S GDA94, east to longitude 140°50′34″E GDA94, north to latitude 26°48′29″S GDA94, east to longitude 140°50′34″E GDA9

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°21′05″S GDA94, west to longitude 140°24′45″E GDA94, south to latitude 27°21′05″S GDA94, west to longitude 140°24′25″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°21′30″S GDA94, west to longitude 140°22′10″E GDA94, south to latitude 27°22′40″E GDA94, south to latitude 27°22′30″S GDA94, 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′21″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′05″E GDA94, south to latitude 27°14′40″S GDA94, west to longitude 140°57′05″E GDA94, west to longitude 140°57′05″E GDA94, west to longitude 140°56′40″E GDA94, south to latitude 27°14′43″S GDA94, west to longitude 140°56′40″E GDA94, south to latitude 27°14′23″S GDA94, east to longitude 140°56′23″E GDA94, north to latitude 27°14′23″S GDA94, east to longitude 140°56′23″E GDA94, north to latitude 27°14′27″S GDA94, east to longitude 140°56′23″E GDA94, east to longitude 140°56′35″E GDA94, north to latitude 27°14′22″S GDA94, east to longitude 140°56′56″E GDA94, north to latitude 27°14′22″S GDA94, east to longitude 140°56′35″E GDA94, north to latitude 27°14′22″S GDA94, east to longitude 140°56′36″E GDA94, north to latitude 27°14′22″S GDA94, east to longitude 140°56′36″E GDA94, north to latitude 27°14′22″S GDA94, east to longitude 140°56′36″E GDA94, north to latitude 27°14′12″S GDA94, east to longitude 140°56′36″E GDA94, north to latitude 27°14′12″S GDA94, east to longitude 140°56′36″E GDA94, north to latitude 27°14′12″S GDA94, east to longitude 140°56′36″E GDA94, north to latitude 27°14′12″S GDA94, east to longitude 140°56′36″E GDA94, north to latitude 27°14′12″S GDA94, east to longitude 140°56′36″E GDA94, north to latitude 27°14′12″S GDA94, east to longitude 140°56′36″E GDA94, north to latitude 27°14′12″S GDA94, east to longitude 140°56′36″E GDA94, north to latitude 27°14′12″S GDA94, east to longitude 140°56′36″E GDA94, north to latitude 27°14′12″S GDA

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 187

- 1. Pursuant to Condition 3 of Petroleum Production Licence PPL 187, the licence area is partially surrendered with effect from 1 July 2008, and is hereby reduced to an area of approximately 12.2 square kilometres.
- 2. Variation of licence area is hereby entered on the public register.
- 3. Revocation of Condition 3 of Petroleum Production Licence PPL 187 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: 28/1/252

Petroleum Act 2000

PARTIAL SURRENDER AND REVOCATION OF CONDITION

PETROLEUM PRODUCTION LICENCE PPL 187

- 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 –
- in fulfilment of Condition 3 of PPL 187, hereby accept partial surrender of Petroleum Production Licence PPL 187 pursuant to section 89 of the Act, with effect from 1 July 2008.

The total area of PPL 187 is reduced to 12.2 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 187 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.

Date: 21 July 200

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 187, pursuant to section 76(3)(b) of the Act.

Inst 04019 doc Page 1 of 4

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 Dethi Petroleum Pty Ltd Name (print)

Signature

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

Name (print)

Signature

THE SCHEDULE

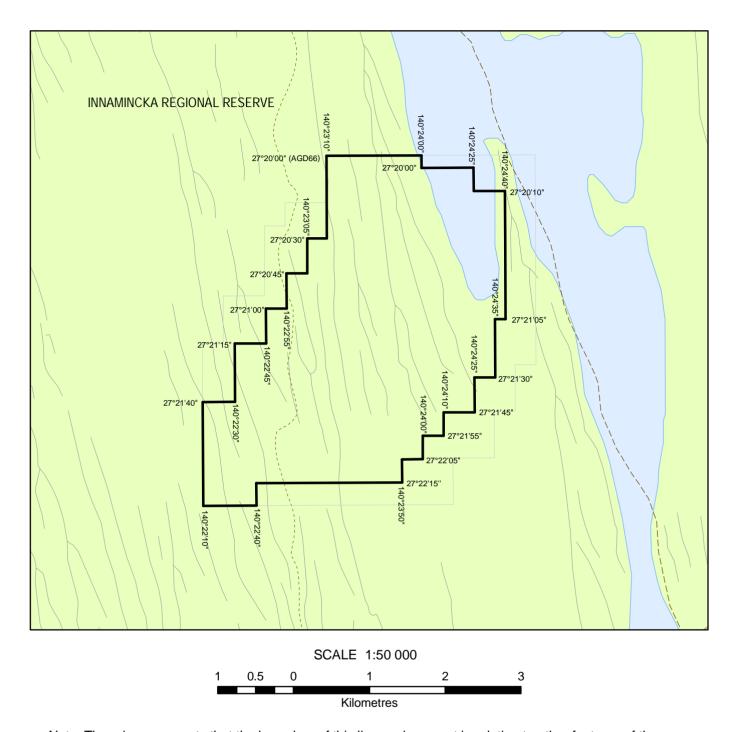
PETROLEUM PRODUCTION LICENCE PPL 187

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°24'00"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 square kilometres approximately.



Note: There is no warranty that the boundary of this licence is correct in relation to other features of the map. The boundary is to be ascertained by reference to the Australian Geodetic Datum (AGD66), Geocentric Datum of Australia (GDA94) and the schedule.

THE PLAN HEREINBEFORE REFERRED TO LAMDINA FIELD

PETROLEUM PRODUCTION LICENCE NO: 187



SR 28/1/252 AREA: **12.2** sq km (approx)

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

General Counsel

0 6 DEC 2005

Legal Services/ Group Secretariat

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.

on

Issued by the Australian Securities and Investments Commission on this first day of December, 2005.

Jeffrey Lucy Chairman



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.

aml

Jeffrey Lucy Chairman

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

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") IF STATE TO CALLED

<u>AND</u>

S.A. STAMP DUTY PAID DRIGINAL with 0 copies 21/12/2005 14:45:39

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. <u>DEFINITIONS & INTERPRETATION</u>

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 dated23 July 1999 in relation to PPLs 156, 142, 152 in an area namedPatchawarra 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 <u>vice versa</u>.
- 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", <u>i.e.</u>, 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. <u>AMENDMENT TO PATCHAWARRA EAST DEED</u>

- 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. MINISTER FOR
EXEC	CUTED UNCONDITIONALLY AS A DEED MINERAL RESOURCES N DEVELOPMENT
THE	COMMON SEAL of the MINISTER
<u>FOR</u>	MINERAL RESOURCES
<u>DEVI</u>	ELOPMENT was hereunto affixed by
author	rity of the Minister in the presence of:
Witne Print I	16720 ss Name: LEE B17208
Execu	ted for and on behalf of SANTOS LIMITED ,
and <u>V</u>	AMGAS PTY LTD respectively by being SIGNED.
SEAL	LED AND DELVERED by its duly appointed
Attorn	ney in the presence of:
Witnes	DECILON ss Vame: DIANE GIBSON
EXEC	CUTED for and on behalf of DELHI
PETR	OLETIM PTV 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	A)
RESOURCES N.L. was hereunto affixed in accord	dance)
its constitution in the presence of:	Tommon Sent
Director Print Name:	Star Star Star Star Star Star Star Star
Secretary Print Name: ROBERT JAMES WISH	
Print Name: ROBERT JAMES WISH	ART
THE COMMON SEAL of ORIGIN ENERGY	COMMON SEAL
RESOURCES LTD was hereunto affixed in the pr	
of:	RESUMMLE LIMI ED A.C.N. 007 845 338
Director DIRECTOR Print Name: ROBBERT JAN WILLINK	
Secretary Print Name: Bruce John Atkinson	
Secretary Print Name: 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:)))
Signature of director () Signature of director (block letters)	Signature of director/company secretary* *delete whichever is not applicable
	K. Chan

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.
- 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

Dany Soldst

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

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, Gazened 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 Mi

177, 178,	Licensees	Locality	Date Effective From 29 June 2001
	Delhi Petrolcum Pty Ltd Origin Energy Resources Ltd Vamgas Pty Ltd	Various Fields in the Cooper Basin of South Australia	
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 latitude 28°18′40″S AGD66, east to longitude 140°51′30″E AGD66, orth to latitude 28°17′10″S AGD66, east to longitude 140°51′40″E AGD66, south to latitude 28°18′30″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′00″S AGD66, south to latitude 28°20′00″S AGD66, west to longitude 140°52′00″E Clarke 1858, north to latitude 28°20′00″S Clarke 1858, west to longitude 140°50′30″E AGD66, north to latitude 28°17′50″S AGD66, west to longitude 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 to latitude 27°46′20″S AGD66, east to longitude 139°55′50″E AGD66, south to latitude 27°46′10″S AGD66, east to longitude 139°56′30″E AGD66, south to latitude 27°46′10″S AGD66, east to longitude 139°56′30″E AGD66, south to latitude 27°46′10″S AGD66, east to longitude 139°56′30″E AGD66, south to latitude 27°46′10″S AGD66, east to longitude 139°56′30″E AGD66, west to longitude 139°54′50″E AGD66, south to latitude 27°46′10″S AGD66, west to longitude 139°54′50″E AGD66, south to latitude 27°45′10″S AGD66, east to longitude 139°54′50″E AGD66, north to latitude 27°45′10″S AGD66, east to longitude 139°54′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. 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 1858, south to latitude 27°41'40"S AGD66, west to longitude 140°14'00"E Clarke 1858, west to longitude 140°14'00"E Clarke 1858, south to latitude 27°40'40"S AGD66, west to longitude 140°13'40"E AGD66, north to latitude 27°40'40"S AGD66, east to longitude 140°13'40"E AGD66, north to latitude 27°40'40"S AGD66, east to longitude 140°14'10"E AGD66, north to latitude 27°40'10"S AGD66, east to longitude 140°14'10"E AGD66, north to latitude 27°40'10"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 latitude 27°33'00"S AGD66, east to longitude 139°44'10"E AGD66, south to latitude 27°32'50"S AGD66, east to longitude 139°44'10"E AGD66, south to latitude 27°33'40"S AGD66, west to longitude 139°44'10"E AGD66, south to latitude 27°33'50"S AGD66, west to longitude 139°42'40"E AGD66, south to latitude 27°33'50"S AGD66, west to longitude 139°42'40"E AGD66, south to latitude 27°33'50"S AGD66, west to longitude 139°42'10"E AGD66, north to latitude 27°33'50"S AGD66, east to longitude 139°42'10"E AGD66, north 139°42'30"E AGD66, north to latitude 27°32'50"S AGD66, east to longitude 139°42'40"E AGD66, north to latitude 27°32'50"S AGD66, east to longitude 139°42'40"E AGD66, north to latitude 27°32'50"S AGD66, east to longitude 139°42'40"E AGD66, north to latitude 27°32'30"S AGD66, east to longitude 139°42'40"E AGD66, north to latitude 27°32'30"S AGD66, east to longitude 139°42'40"E AGD66, north to latitude 27°32'30"S

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°27′20″S AGD66, east to longitude 139°45′10″E AGD66, south to latitude 27°27′20″S AGD66, west to longitude 139°44′50″E AGD66, south to latitude 27°27′20″S AGD66, west to longitude 139°42′20″E AGD66, south to latitude 27°27′20″S AGD66, west to longitude 139°42′50″E AGD66, north to latitude 27°27′10″S AGD66, west to longitude 139°42′50″E AGD66, north to latitude 27°26′10″S AGD66, east to longitude 139°42′50″E AGD66, north to latitude 27°26′10″S AGD66, east to longitude 139°43′50″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 Clarke 1858, north to latitude 27°54'00"S Clarke 1858, west to longitude 140°03'30"E AGD66, north to latitude 27°53'40"S AGD66, cast to longitude 140°03'40"E AGD66, north to latitude 27°53'20"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"B AGD66, north to latitude 27°53'00"S AGD66, east to longitude 140°04'20"B AGD66, north to latitude 27°53'00"S AGD66, east to longitude 140°04'40"E AGD66, north to latitude 27°52'40"S AGD66, east to longitude 140°04'40"E AGD66, north to latitude 27°52'40"S AGD66, east to longitude 140°04'40"E AGD66, north to latitude 27°52'40"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.

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 latitude 26°49'30"S AGD66, west 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 140°51'05"E AGD66, must to longitude 140°51'05"E AGD66, south to latitude 26'49'40"S 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′25″S AGD66, west to longitude 140°31′40″E AGD66, south to latitude 28°22′25″S AGD66, west to longitude 140°31′40″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′25″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′25″E AGD66, south to latitude 28°23′10″S AGD66, west to longitude 140°30′50″E AGD66, east to longitude 140°30′50″E AGD66, east to longitude 140°31′20″E AGD66, east to longitude 140°31′25″E AGD66, east to longitude 140°31′20″E AGD66, east to longitude 140°31′30″E AGD66, east to longitude 140°31′35″E AGD66, east to longitude 140°31′30″E AGD66, east to longitude 140°31′40″E AGD66, east to longitude 140°3

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 to latitude 27°21'10"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°22'30"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°22'40"E AGD66, north to latitude 27°21'30"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°20'30"S AGD66, east to longitude 140°22'50"E AGD66, north to latitude 27°20'30"S AGD66, east to longitude 140°22'50"E AGD66, north to latitude 27°20'30"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 laritude 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 to latitude 27°14'50"S AGD66, west to longitude 140°36'10"E AGD66, south to latitude 27°14'30"S AGD66, west to longitude 140°36'10"E AGD66, south 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°15'00"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°15'30"S AGD66, west to longitude 140°35'20"E AGD66, south to latitude 27°15'30"S AGD66, west to longitude 140°35'20"E AGD66, south to latitude 27°14'30"S AGD66, east to longitude 140°34'20"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°34'50"S AGD66, east to longitude 140°04'30"B AGD66, north to latitude 27°33'50"S AGD66, east to longitude 140°06'00"E to longitude 140°05'20"E AGD66, south to latitude 27°34'20"S AGD66, west to longitude 140°05'40"B AGD66, south to latitude 27°34'30"S AGD66, west to longitude 140°04'20"E AGD66, south to latitude 27°34'30"S AGD66, west to longitude 140°04'20"E AGD66, south to latitude 27°35'00"S AGD66, south to latitude 27°35'10"S AGD66, west to longitude 140°04'20"E AGD66, south to latitude 27°35'30"S AGD66, west to longitude 140°04'10"B longitude 140°03'40"E AGD66, south to latitude 27°35'40"S AGD66, west to longitude 140°03'50"E AGD66, south to latitude 27°35'30"S AGD66, west to longitude 140°03'30"E AGD66, west to longitude 140°03'10"E AGD66, south to latitude 27°36'10"S AGD66, west to longitude 140°03'30"E AGD66, west to longitude 140°03'10"E AGD66, south to latitude 27°36'10"S AGD66, west to longitude 140°03'10"E AGD66, south to latitude 27°36'10"S AGD66, west to longitude 140°03'10"E AGD66, south to latitude 27°36'10"S AGD66, west to longitude 140°03'10"E AGD66, south to latitude 27°36'10"S AGD66, west to longitude 140°03'10"E AGD66, south to latitude 27°36'10"S AGD66, west to longitude 140°03'10"E

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

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 dared 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 Recourses Delegate of the Minister for Minerals and Energy

No. of		The state of the s			
Licence	Licensees	Locality	Date of Expiry	Area in	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°27'30"S AGD66, east to longitude 140°32'30"E AGD66, south to latitude 37°27'30"S AGD66, east to longitude 140°32'30"E AGD66, south to latitude 37°30'S AGD66, east to longitude 140°22'30"E AGD66, north to latitude 37°17'30"S AGD66, west 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.187

- 1. This licence granted on 29 June 200/ 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. 187

- 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 66 007 854 686 of c/- Esso Australia Ltd. A Esso House, 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 29 day of 3001

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.

Payment of Fees and Royalty

The Licensees hereby convenant 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

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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:-

Santostwenty five point six zero two two(25.6022%)Delhiseventeen point one four three(17 143%)Origin Energyten point five three six(10.536%)Vamgasforty three point seven five(43.75%)Novustwo 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.

The Licensees shall comply with its obligations under the Deed dated 12 3000 between the Minister for Minerals and Energy and Santos Limited, Delhi Petroleum Pty Ltd, Origin Energy Resources Limited, Vamgas Pty Ltd, Novus (Aust) Resources NL, Alliance Petroleum Australia Pty Ltd, Reef Oil Pty Ltd, Santos Petroleum Pty Ltd, Bridge Oil Development Pty Ltd, Santos (BOL) Pty Ltd, and Basin Oil Pty Ltd.

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

this 29th day of June 200

Fal 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

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SIGNED, SEALED AND DELIVERED by the said <u>LICENSEES</u> at Note to this of the day of the said this and the said this said the said this said the said)))
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)	Mil
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
RSHUSE	IAN WILLIAM ANGUS
Name of Witness	Name of Attorney
THE COMMON SEAL of ORIGIN ENERGY RESOURCES LIMITED was hereunto affixed in the presence of: (Director) Signature of Attorney Oakea	Signed for and on behalf of ORIGIN ENERGY RESOURCES LIMITED by JOHN STEPHEN RODDA its Attorney pursuant to Power of Attorney dated STH MARCH 2001 the Attorney declares that the Attorney has not received any notice of revocation of such Power of Attorney, in the presence of: (Secretary) Timese
SIGNATURE OF WITNESS	NAME OF WITNESS

502299009

THE COMMON SEAL of NOVUS AUSTRALIA) RESOURCES NL was hereunto affixed in)

the presence of:

(Director)

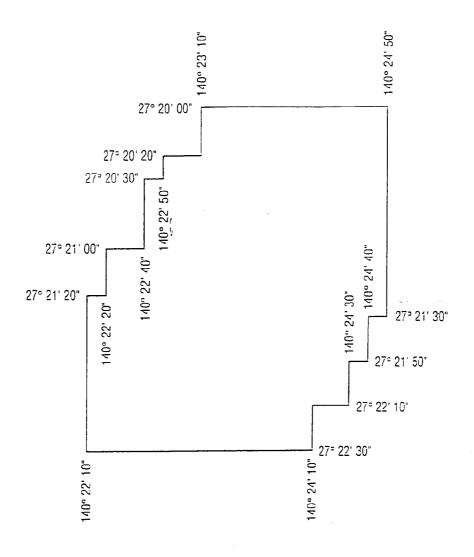
Elaine M Connor (Secretary)
Company Secretary

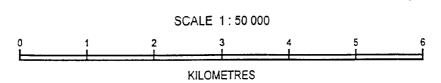
SOURCES

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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)

PRODUCTION LICENCE NO. 187

SR 28/1/252

AREA: 16.82 sq km (approx)



PRODUCTION LICENCE NO. 187 LAMDINA GAS 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 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′30″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′30″S AGD66, east to longitude 140°23′10″E AGD66, and north to the point of commencement.

AREA: 16.82 square kilometres approximately.

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 twelth

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")

AND

ORIGIN ENERGY RESOURCES LIMITED A.B.N, 007 845 338 of Level 6, 1 King William Street, Adelaide, South Australia, DELHI PETROLEUM PTY LTD A.B.N. 65 007 854 686 of c/- 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 76 110 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").

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:

MINISTER FOR MINERALS AND ENERGY

The Honourable Wayne Anthony Matthew MP Minister for Minerals and Energy

Witness

Print Name: PAIGE HAYWARD

SIGNED, SEALED AND DELIVERED by the said LICENSEES at Adelaide this 11th day of May 2001

Executed on behalf of <u>SANTOS LIMITED</u> and <u>VAMGAS PTY LTD</u> respectively by being <u>SIGNED</u>, <u>SEALED AND DELIVERED</u> by its duly authorised Attorney under Power of Attorney who hereby states that he has received no notice of revocation of the Power of Attorney effecting such appointment, in the Presence of:

Witness
Print Name:

KAREN McMANUS Executive Secretary

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THE COMMON SEAL of the ORIGIN ENERGY RESOURCES LTD was hereunto affixed in the presence of: SIEMED FER AND ON BEHALF OF CAFEW ENGRY RESCURCES LINERED BY JOHN STEPMEN RODDA, ITS AFTERNET PURSUANT TO POWER OF ATTORNEY DAFFD 5 MARCH 1201, THE ATTORNEY DECLARES THAT THE ATTORNEY HAS NOT RECEIVED ANY NOTICE OF REVOCATION OF SUCH POWER OF ATTORNEY IN THE PLACESCYCE OF: Director Print Name:
Secretary Witness Print Name: T Denex
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 IAN WILLIAM ANGUS
Name of Witness Name of Attorney
THE COMMON SEAL of NOVUS AUSTRALIA) RESOURCES N.L. was hereunto affixed in accordance with its constitution in the presence of:)
Director GAMMAN B. MONL. Print Name: Seal Sea

Secretary Print Name:

Elaine M Connor Company Secretary



THE SCHEDULE

PL NUMBER	PL NAME	AREA OF LICENCE (Km²)	DATE
COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
187	Lamdina	16.82	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