



## PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

*Suspension of Geothermal Exploration Licences—GELs 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388 and 389*

PURSUANT to Section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the abovementioned Geothermal Exploration Licences have been suspended under the provisions of the Petroleum and Geothermal Energy Act 2000, for the period from and including 4 August 2011 until 3 August 2012, pursuant to delegated powers dated 1 October 2009.

The expiry date of GELs 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388 and 389 is now determined to be 28 October 2014.

Dated 15 August 2011.

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


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

**MEMORANDUM**

**GEOHERMAL EXPLORATION LICENCES  
GELs 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388 and 389**

1. Suspension of licence from and including 4 August 2011 to 3 August 2012 is hereby entered on the public register.
2. The expiry date of GELs 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388 and 389 is now determined to be 28 October 2014.



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

Date: 15 August 2011

Ref: 27/2/524

***Petroleum and Geothermal Energy Act 2000***  
**S.90**

**SUSPENSION OF  
GEOTHERMAL EXPLORATION LICENCES  
GELs 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388 and 389**

I, BARRY ALAN GOLDSTEIN, Executive Director, Petroleum and Geothermal Division, Minerals and Energy Resources, Department of Primary Industries and Resources in the State of South Australia, pursuant to the provisions of the *Petroleum and Geothermal Energy Act 2000* and all other enabling powers, for and on behalf of Tom Koutsantonis, Minister for Mineral Resources Development (Minister), pursuant to delegated powers dated 1 October 2009 hereby -

1. Suspend geothermal exploration licences GELs 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, and 389 for the period from and including 4 August 2011 to 3 August 2012.

No regulated activities are permitted to be carried out during the period of the suspension.

The expiry date of GELs 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388 and 389 is now determined to be 28 October 2014.

Dated: 15 August 2011



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

McCullough Robertson Lawyers Attn: Danielle Airton  
C Dang  
GPO Box 1855  
Brisbane QLD 4001

Remove this top section if desired before framing



## Certificate of Registration on Conversion to a Proprietary Company



This is to certify that

**STUART PETROLEUM LIMITED**

**Australian Company Number 059 146 226**

on the fourteenth day of July 2011 converted to a proprietary company.

The name of the company is now

**STUART PETROLEUM PTY LTD**

**Australian Company Number 059 146 226**

The company is registered under the Corporations Act 2001 and is taken to be registered in Western Australia and the date of commencement of registration is the fifth day of May, 1993.

Issued by the  
Australian Securities and Investments Commission  
on this fourteenth day of July, 2011.

A handwritten signature in black ink, appearing to read 'G. Medcraft'.

Greg Medcraft  
Chairman

CERTIFICATE

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

**MEMORANDUM**

**PETROLEUM EXPLORATION LICENCES  
PELs 90, 93, 100, 102, 113 and 516**

**PETROLEUM RETENTION LICENCE  
PRL 16**

**PETROLEUM PRODUCTION LICENCES  
PPLs 203, 207, 208, 209, 211, 215,  
217, 218 and 221**

**ASSOCIATED ACTIVITIES LICENCE  
AAL 147**

**GEOHERMAL EXPLORATION LICENCES  
GELs 378, 379, 380, 381, 382, 383,  
384, 385, 386, 387, 388 and 389**

1. Notation of change of company name –

From: Stuart Petroleum Ltd  
To: Stuart Petroleum Pty Ltd

is hereby entered on the public registers.



**J. S. ZABROWARNY  
A/Executive Director  
Petroleum and Geothermal Division  
Minerals and Energy Resources  
Primary Industries and Resources SA  
Delegate of the Minister for Mineral Resources  
Development**

Date: 10 August 2011

File:	27/2/168	27/2/534	28/1/386
	27/2/171	27/2/552	28/1/405
	27/2/182	28/1/359	28/1/410
	27/2/199	28/1/379	28/1/411
	27/2/517	28/1/380	28/1/423
	27/2/524	28/1/381	F2010/000025

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

**MEMORANDUM**

**PETROLEUM EXPLORATION LICENCES**  
**PELs 90, 93, 100, 102, 113 and 516**

**PETROLEUM RETENTION LICENCE**  
**PRL 16**

**PETROLEUM PRODUCTION LICENCES**  
**PPLs 203, 207, 208, 209, 211, 215, 217, 218 and 221**

**GEOHERMAL EXPLORATION LICENCES**  
**GELs 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388 and 389**

1. Notation of receipt of security in the form of a Bank Guarantee dated 28 June 2011 is hereby entered on the public register.
2. Security is held to cover any single event occurring in any licence operated by Senex Energy Limited in South Australia.
3. Notation of discharge of security in the form of Bank Guarantees dated 18 December 2006, 18 June 2007 and 7 July 2009 are hereby entered on the public register.



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

Date: 4 July 2011

File:	27/2/168	27/2/171	27/2/180
	27/2/182	27/2/199	28/1/359
	27/2/379	27/2/524	27/2/534
	28/1/380	28/1/381	28/1/386
	28/1/405	28/1/410	28/1/411
	28/1/423	F2010/25	

## PETROLEUM ACT 2000

*Grant of Geothermal Exploration Licences*

NOTICE is hereby given that the undermentioned Geothermal Exploration Licences have been granted under the provisions of the Petroleum Act 2000, pursuant to delegated powers dated 28 March 2002, *Gazetted* 11 April 2002, page 1573.

No of Licence	Licensee	Locality	Date of Expiry	Reference
GEL 378 GEL 379 GEL 380 GEL 381 GEL 382 GEL 383 GEL 384 GEL 385 GEL 386 GEL 387 GEL 388 GEL 389	Stuart Petroleum Limited	Cooper Basin, South Australia	28 October 2013	27/2/524

*Description of Area—GEL 378*

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

Commencing at a point being the intersection of latitude 28°05'00"S AGD66 and longitude 139°25'00"E AGD66, thence east to longitude 139°36'00"E GDA94, south to latitude 28°06'00"S GDA94, west to longitude 139°35'00"E GDA94, south to latitude 28°16'00"S GDA94, east to longitude 139°37'00"E GDA94, south to latitude 28°17'00"S GDA94, east to longitude 139°41'00"E GDA94, south to latitude 28°19'00"S GDA94, west to longitude 139°25'00"E AGD66 and north to the point of commencement.

Area: 468 km<sup>2</sup> approximately.

*Description of Area—GEL 379*

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 GDA94 and longitude 139°30'00"E GDA94, thence east to longitude 139°41'00"E GDA94, south to latitude 28°31'00"S GDA94, east to longitude 139°45'00"E GDA94, south to latitude 28°40'00"S AGD66, west to longitude 139°38'00"E GDA94, north to latitude 28°32'00"S GDA94, west to longitude 139°37'00"E GDA94, north to latitude 28°27'00"S GDA94, west to longitude 139°31'00"E GDA94, north to latitude 28°20'00"S GDA94, west to longitude 139°30'00"E GDA94 and north to the point of commencement.

Area: 483 km<sup>2</sup> approximately.

*Description of Area—GEL 380*

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

Commencing at a point being the intersection of latitude 28°31'00"S GDA94 and longitude 139°45'00"E GDA94, thence east to longitude 139°57'00"E GDA94, south to latitude 28°33'00"S GDA94, east to longitude 140°04'00"E GDA94, south to latitude 28°40'00"S AGD66, west to longitude 139°45'00"E GDA94 and north to the point of commencement.

Area: 467 km<sup>2</sup> approximately.

*Description of Area—GEL 381*

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

Commencing at a point being the intersection of latitude 28°32'00"S GDA94 and longitude 140°08'00"E GDA94, thence east to longitude 140°15'00"E GDA94, south to latitude 28°33'00"S GDA94, east to longitude 140°16'00"E GDA94, south to latitude 28°34'00"S GDA94, west to longitude 140°09'00"E GDA94, south to latitude 28°40'00"S AGD66, west to longitude 140°04'00"E GDA94, north to latitude 28°33'00"S GDA94, east to longitude 140°08'00"E GDA94 and north to the point of commencement.

Area: 146 km<sup>2</sup> approximately.

*Description of Area—GEL 382*

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

Commencing at a point being the intersection of latitude 26°49'00"S GDA94 and longitude 140°45'00"E GDA94, east to the eastern border of the State of South Australia, thence southerly along the border of the said State to latitude 27°00'00"S GDA94, west to longitude 140°50'00"E GDA94, north to latitude 26°59'00"S GDA94, west to longitude 140°45'00"E GDA94 and north to the point of commencement.

Area: 488 km<sup>2</sup> approximately.

*Description of Area—GEL 383*

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

Commencing at a point being the intersection of latitude 27°00'00"S GDA94 and longitude 140°50'00"E GDA94, thence east to the eastern border of the State of South Australia, thence southerly along the border of the said State to latitude 27°15'00"S GDA94, west to longitude 140°49'00"E GDA94, north to latitude 27°02'00"S GDA94, east to longitude 140°50'00"E GDA94 and north to the point of commencement.

Area: 496 km<sup>2</sup> approximately.

*Description of Area—GEL 384*

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

Commencing at a point being the intersection of latitude 26°57'30"S GDA94 and longitude 140°32'00"E GDA94, thence east to longitude 140°45'00"E GDA94, south to latitude 26°59'00"S GDA94, east to longitude 140°50'00"E GDA94, south to latitude 27°02'00"S GDA94, west to longitude 140°49'00"E GDA94, south to latitude 27°07'00"S GDA94, west to longitude 140°32'00"E GDA94 and north to the point of commencement.

Area: 484 km<sup>2</sup> approximately.

*Description of Area—GEL 385*

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

Commencing at a point being the intersection of latitude 27°07'00"S GDA94 and longitude 140°29'00"E GDA94, thence east to longitude 140°49'00"E GDA94, south to latitude 27°15'00"S GDA94, west to longitude 140°29'00"E GDA94 and north to the point of commencement.

Area: 488 km<sup>2</sup> approximately.

*Description of Area—GEL 386*

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

Commencing at a point being the intersection of latitude 26°49'00"S GDA94 and longitude 140°20'00"E GDA94, thence east to longitude 140°30'00"E GDA94, south to latitude 26°57'30"S GDA94, east to longitude 140°32'00"E GDA94, south to latitude 27°07'00"S GDA94, west to longitude 140°20'00"E GDA94, north to latitude 27°03'30"S GDA94, east to longitude 140°26'00"E GDA94, north to latitude 27°00'00"S GDA94, west to longitude 140°25'00"E GDA94, north to latitude 26°59'00"S GDA94, west to longitude 140°24'00"E GDA94, north to latitude 26°56'00"S GDA94, west to longitude 140°20'00"E GDA94 and north to the point of commencement.

Area: 492 km<sup>2</sup> approximately.

*Description of Area—GEL 387*

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

Commencing at a point being the intersection of latitude 27°07'00"S GDA94 and longitude 140°20'00"E GDA94, thence east to longitude 140°29'00"E GDA94, south to latitude 27°15'00"S GDA94, west to longitude 140°27'00"E GDA94, south to latitude 27°26'00"S GDA94, west to longitude 140°26'00"E GDA94, south to latitude 27°29'00"S GDA94, west to longitude 140°22'00"E GDA94, north to latitude 27°27'00"S GDA94, west to longitude 140°20'00"E GDA94 and north to the point of commencement.

Area: 496 km<sup>2</sup> approximately.

*Description of Area—GEL 388*

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

Commencing at a point being the intersection of latitude 27°15'00"S GDA94 and longitude 140°39'00"E GDA94, thence east to the eastern border of the State of South Australia, thence southerly along the border of the said State to latitude 27°23'00"S GDA94, west to longitude 140°53'00"E GDA94, north to latitude 27°22'00"S GDA94, west to longitude 140°52'00"E GDA94, north to latitude 27°19'00"S GDA94, west to longitude 140°47'00"E GDA94, south to latitude 27°25'00"S GDA94, west to longitude 140°39'00"E GDA94 and north to the point of commencement.

Area: 496 km<sup>2</sup> approximately.

*Description of Area—GEL 389*

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

Commencing at a point being the intersection of latitude 27°15'00"S GDA94 and longitude 140°27'00"E GDA94, thence east to longitude 140°39'00"E GDA94, south to latitude 27°26'00"S GDA94, west to longitude 140°38'00"E GDA94, south to latitude 27°27'00"S GDA94, west to longitude 140°35'00"E GDA94, south to latitude 27°29'00"S GDA94, west to longitude 140°26'00"E GDA94, north to latitude 27°26'00"S GDA94, east to longitude 140°27'00"E GDA94 and north to the point of commencement.

Area: 493 km<sup>2</sup> approximately.

Dated 29 October 2008.

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**

**GEOHERMAL EXPLORATION LICENCES  
GELs 378, 379, 380, 381, 382, 383,  
384, 385, 386, 387, 388 and 389**

1. These Licences granted with effect from and including 29 October 2008 are hereby entered on the public register.
2. Interests in the licences are:-

Stuart Petroleum Limited                      100%



**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: 29 October 2008

Ref: 27/2/524

# PETROLEUM ACT 2000

## GEOHERMAL EXPLORATION LICENCE

GEL 389

I, BARRY ALAN GOLDSTEIN, Director Petroleum and Geothermal, Minerals and Energy Resources, Primary Industries and Resources, in the State of South Australia pursuant to the provisions of the *Petroleum Act 2000* and all other enabling powers, for and on behalf of Paul Holloway, Minister for Mineral Resources Development (Minister), pursuant to delegation dated 28 March 2002, (refer Government Gazette dated 11 April 2002 page 1573), HEREBY GRANT to:

**Stuart Petroleum Limited**  
ACN 059 146 226

(hereinafter referred to as the Licensee) an Exploration Licence in relation to a source of geothermal energy in respect of the area set out below, to have effect for a period of five years and to expire on 28 October 2013 but carrying the right of renewal under the *Petroleum Act 2000*.

### DESCRIPTION OF AREA

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

### CONDITIONS

1. During the term of the licence, the Licensee shall carry out or cause to be carried out, exploratory operations on the area comprised in the licence in accordance with such work programs as are approved by the Minister from time to time. Year one exploratory operations are guaranteed, and any subsequent licence year work program becomes guaranteed upon entry into any such licence year. These exploratory operations shall include but not necessarily be limited to:-

Year of Term of Licence	Minimum Work Requirements
One	<ul style="list-style-type: none"><li>• Geological and Geophysical studies.</li></ul>
Two	<ul style="list-style-type: none"><li>• Geological and geophysical studies.</li></ul>
Three	<ul style="list-style-type: none"><li>• Geological and geophysical studies.</li></ul>
Four	<ul style="list-style-type: none"><li>• Geological and geophysical studies.</li></ul>
Five	<ul style="list-style-type: none"><li>• Drill one exploration well.</li></ul>

2. The Licensee must take all reasonable precautions to minimise the risks of its activities resulting in a significant loss of petroleum reserves or a significant reduction in the recovery of petroleum reserves.
3. The Licensee must:
  - (a) upon commencement of regulated activities under this licence, maintain in force during the term of this licence public liability insurance to cover regulated activities under this licence (including sudden and accidental pollution) in the name of the Licensee for a sum not less than twenty million dollars (\$20,000,000.00) or such greater sum as specified by the Minister and make such amendments to the terms and conditions of the insurance as the Minister may from time to time require;
  - (b) maintain in force during the drilling of any well or operation in any well, control of well insurance in the name of the Licensee for a sum not less than ten million dollars (\$10,000,000.00) or such greater sum as specified by the Minister and make such amendments to the terms and conditions of the insurance as the Minister may from time to time require;
  - (c) upon request by the Minister, provide the Minister with a cover note or certificate of currency of each insurance policy referred to in paragraphs (a) and (b).
4. The Minister in specifying the levels of insurance accepts no liability for the completeness of their listing, the adequacy of the sum insured, the limit of liability, the scoped coverage, the conditions or exclusions of these insurances in respect to how they may or may not respond to any loss, damage or liability.
5. The Licensee will ensure, when preparing an Environmental Impact Report under Part 12 of the *Petroleum Act 2000*, that the report also includes an assessment of the potential economic consequences for other licensees under the *Petroleum Act 2000* or *Mining Act 1971* and owners of land, arising out of proposed regulated activities to be carried out in the licence area.
6. The Licensee must keep confidential any measurements made in a well which would enable the estimation of petroleum reserves ("Confidential Information") and must not disclose the Confidential Information without first obtaining the written consent of the licensee of the overlapping compatible licence, unless:
  - (a) it is a disclosure required under the Act, this licence or any other law;
  - (b) it is a disclosure which is for the purposes of prosecuting or defending any legal proceedings; or
  - (c) it is information which is or becomes public knowledge other than by breach of this licence condition.
7. A contract or agreement entered into by the licensee to transfer or accept liability for any well or facility constructed for the purpose of undertaking a regulated activity under the *Petroleum Act 1940* or *2000* cannot transfer, limit or exclude liability under the *Petroleum Act 2000* unless written consent of the Minister is obtained.
8. In the event that the Licensee during any year of the term of this licence (a year being the period of twelve calendar months ending on the anniversary of the date upon which the licence comes into force) fails to comply with the work program requirements of this licence, it is an express term of this licence that the Minister then may use discretion to either cancel this licence or authorise such variation to these requirements as the Minister thinks fit.

9. The Licensee shall during periods determined by the Minister, lodge and maintain with the Minister, for the satisfaction of obligations arising under the Act or this licence, a security of \$50,000 (fifty thousand dollars) or such greater sum as specified by the Minister from time to time.

("the Security").

9.1 The Security shall be lodged in the form of either;

(a) cash; or

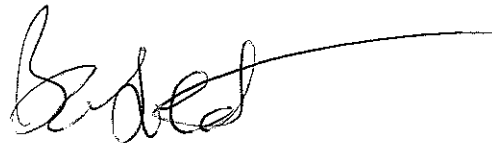
(b) an unconditional, irrevocable bank guarantee or letter of credit in a form, and from a financial institution, approved by the Minister,

9.2 Interest will not be payable by the Minister to the Licensee on any cash Security.

9.3 All charges incurred by the Licensee in obtaining and maintaining the Security, shall be met by the Licensee.

9.4 If upon expiry, this Licence is not renewed and the Minister is satisfied that there are no further obligations under this Licence or the Act, the Minister will return the Security to the Licensee.

Date: 29 October 2008



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

**Signed by the said LICENSEE**

Date: 23/10 ..... 2008



.....  
Authorised Representative

Giustino Guglielmo .....  
Name

Managing Director .....  
Position

Stuart Petroleum Limited .....  
Company

# GEOHERMAL EXPLORATION LICENCE

GEL 389

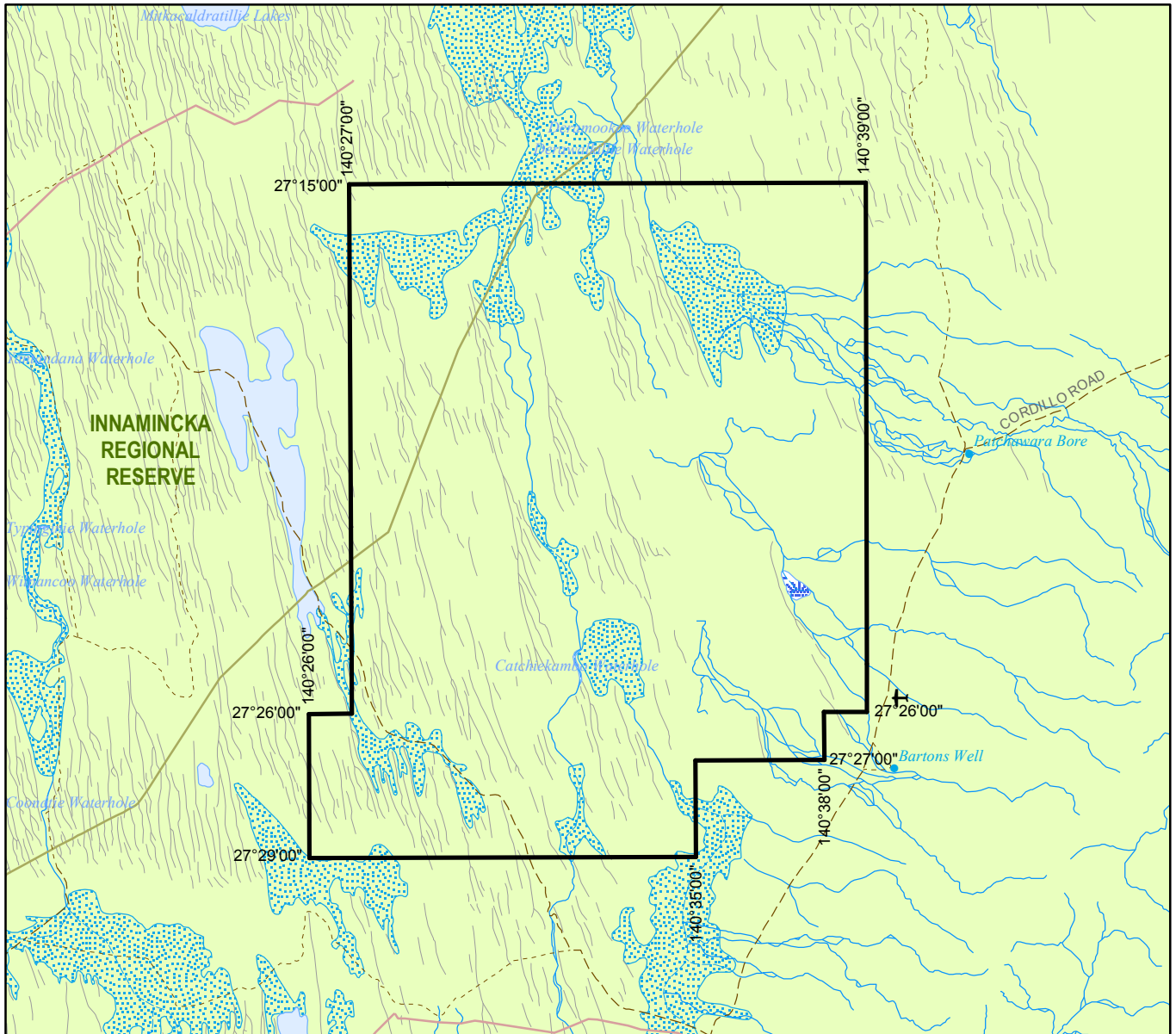
## THE SCHEDULE

### Description of Area

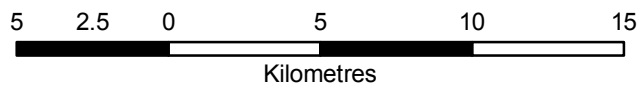
All that part of the State of South Australia, bounded as follows:-

Commencing at a point being the intersection of latitude 27°15'00"S GDA94 and longitude 140°27'00"E GDA94, thence east to longitude 140°39'00"E GDA94, south to latitude 27°26'00"S GDA94, west to longitude 140°38'00"E GDA94, south to latitude 27°27'00"S GDA94, west to longitude 140°35'00"E GDA94, south to latitude 27°29'00"S GDA94, west to longitude 140°26'00"E GDA94, north to latitude 27°26'00"S GDA94, east to longitude 140°27'00"E GDA94, and north to the point of commencement.

AREA: **493** square kilometres approximately.



SCALE 1:250 000



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

## **GEOHERMAL EXPLORATION LICENCE NO: 389**