

**INDEX OF DOCUMENTS HELD ON THE PUBLIC REGISTER FOR
GEOTHERMAL EXPLORATION LICENCE GEL 329**

1. 8 January 2008 Geothermal Exploration Licence GEL 329 granted

 Interests: Terratherma Limited 100%

 Expiry Date: 7 January 2013
2. 8 January 2008 Memorandum entering GEL 329 on the public register
3. 17 January 2008 Gazettal of Grant of Licence.
4. 26 June 2009 Suspension of licence for the period from and including 7
 April 2009 to 31 December 2009.

 The expiry date of GEL 329 is now 3 October 2013
5. 26 June 2009 Memorandum entering suspension of licence on the public
 register.
6. 2 July 2009 Gazettal of suspension of licence.
7. 7 May 2010 Memorandum entering notation of receipt of security on the
 public register.
8. 13 August 2010 Suspension of licence for the period from and including 12
 August 2010 to 31 July 2011.

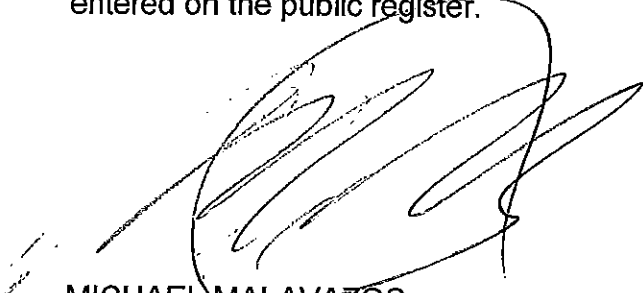
 The expiry date of GEL 329 is now 22 September 2014.
9. 13 August 2010 Memorandum entering suspension of licence on the public
 Register.
10. 19 August 2010 Gazettal of suspension of licence.
11. 22 March 2012 Variation of licence conditions
12. 22 March 2012 Memorandum entering variation of licence conditions on
 the public register.
13. 22 March 2012 Surrender of licence with effect from 4 November
 2011.
14. 22 March 2012 Memorandum entering surrender of licence on the
 public register.
15. 29 March 2012 Gazettal of surrender on the pubic register.
16. 24 May 2012 Memorandum entering discharge of security obligations on
 the public register.

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

GEOHERMAL EXPLORATION LICENCES
GELs 169, 329, 330, 411, 412, 413, 414, 415,
416, 417, 418, 419, 420, 421 and 422

1. Notation of discharge of security in relation to the above licences is hereby entered on the public register.



MICHAEL MALAVAZOS
A/Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minister for Mineral Resources and Energy

Date: 24 May 2012

Ref: 27/2/292
27/2/495
27/2/496
27/2/528

PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

*Surrender of Geothermal Exploration Licences—**GELs 169, 329, 330, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421 and 422*

NOTICE is hereby given that I have accepted surrender of the abovementioned Geothermal Exploration Licences under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 1 October 2009.

No. of Licence	Licensee	Locality	Date of Surrender	Reference
GEL 169	Eden Energy Limited	Cooper Basin	4.November 2011	27/2/292
GEL 329	Teratherma Limited	Arrowie Basin	4.November 2011	27/2/495
GEL 330	Teratherma Limited	Arrowie Basin	4.November 2011	27/2/496
GELs 411-422	Teratherma Limited	Adjacent Spencer Gulf	4.November 2011	27/2/528

Dated 22 March 2012.

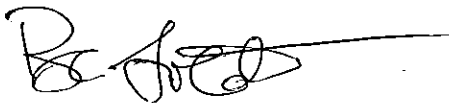
B. A. GOLDSTEIN,
Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minister for Mineral Resources and Energy

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

**GEOHERMAL EXPLORATION LICENCES
GELs 169, 329, 330, 411, 412, 413, 414, 415,
416, 417, 418, 419, 420, 421 and 422**

Surrender of the abovementioned Geothermal Exploration Licences with effect from 4 November 2011 is hereby entered on the public registers.



BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minister for Mineral Resources and Energy

Date: 22 March 2012

Ref: 27/2/292
27/2/495
27/2/496
27/2/528

Petroleum and Geothermal Energy Act 2000

SURRENDER OF GEOTHERMAL EXPLORATION LICENCES GELs 169, 329, 330, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421 and 422

I, BARRY ALAN GOLDSTEIN, Executive Director, Energy Resources Division, Department for Manufacturing, Innovation, Trade, Resources and Energy, in the State of South Australia, pursuant to the provisions of section 89(2) of the *Petroleum and Geothermal Energy Act 2000* and all other enabling powers, for and on behalf of Tom Koutsantonis, Minister for Mineral Resources and Energy (Minister), pursuant to delegated powers dated 1 October 2009 hereby accept with effect from 4 November 2011 surrender of the following Geothermal Exploration Licences:

1. GEL169 in the name of Eden Energy Limited
2. GELs 329 and 330 in the name of Terratherma Limited
3. GELs 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421 and 422 in the name of Terratherma Limited

Dated: 22 March 2012



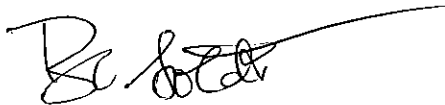
**BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minister for Mineral Resources and Energy**

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

GEOHERMAL EXPLORATION LICENCES
GELs 329 and 330

1. Variation of licence conditions is hereby entered on the public registers.



BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minister for Mineral Resources and Energy

Date: 22 March 2012

Ref: 27/2/495
27/2/496

Petroleum and Geothermal Energy Act 2000

VARIATION OF GEOTHERMAL EXPLORATION LICENCES GELs 329 and 330

I, BARRY ALAN GOLDSTEIN, Executive Director, Energy Resources Division, Department for Manufacturing, Innovation, Trade, Resources and Energy, in the State of South Australia, pursuant to the provisions of the *Petroleum and Geothermal Energy Act 2000* and all other enabling powers, for and on behalf of Tom Koutsantonis, Minister for Mineral Resources and Energy (Minister), pursuant to delegated powers dated 1 October 2009 vary the conditions of the above-mentioned licences, held by -

Terratherma Limited
ACN 126 933 140

Condition 1 of the licence is omitted and the following substituted:

“ 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">• Geological, geophysical and feasibility studies.
Two	<ul style="list-style-type: none">• Geological, geophysical and feasibility studies.
Three	<ul style="list-style-type: none">• Geological, geophysical and feasibility studies.
Four	<ul style="list-style-type: none">• Geological and geophysical studies.• Identify optimal target for deep reservoir drilling.• (to be carried out within the area covered by GEL's 329 & 330)
Five	<ul style="list-style-type: none">• Drill test hole to reservoir depth.• Evaluate water flow potential and/or fracture stimulation potential.• Conduct hydraulic stimulation tests at several levels in the bore and if required, undertake full hydraulic stimulation within the reservoir.• (to be carried out within the area covered by GEL's 329 & 330)

Dated: 22 March 2012



BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minister for Mineral Resources and Energy

PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

*Suspension of Geothermal Exploration Licences—
GELs 169, 329, 330, 411, 412, 413, 414, 415, 416,
417, 418, 419, 420, 421 and 422*

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, from and including 12 August 2010 until 31 July 2011, pursuant to delegated powers dated 1 October 2009.

The expiry date of GEL 169 is now determined to be 20 April 2012.

The expiry date of GELs 329 and 330 is now determined to be 22 September 2014.

The expiry date of GELs 411—422 is now determined to be 2 May 2015.

Dated 13 August 2010.

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 and Geothermal Energy Act 2000
S.115

MEMORANDUM

GEOHERMAL EXPLORATION LICENCES
GELs 169, 329, 330, 411, 412, 413, 414, 415, 416, 417,
418, 419, 420, 421 and 422

1. Suspension of licences from and including 12 August 2010 to 31 July 2011 is hereby entered on the public register.
2. The expiry date of GEL 169 is now 20 April 2012.
3. The expiry date of GELs 329 and 330 is now 22 September 2014.
4. The expiry date of GELs 411 – 422 is now 2 May 2015.



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: 13 August 2010

Ref: 27/2/292
27/2/495
27/2/496
27/2/528

Petroleum and Geothermal Energy Act 2000
S.90

**SUSPENSION OF
GEOHERMAL EXPLORATION LICENCES
GELs 169, 329, 330, 411, 412, 413, 414, 415, 416, 417,
418, 419, 420, 421 and 422**

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 and Geothermal Energy Act 2000* and all other enabling powers, for and on behalf of Paul Holloway, Minister for Mineral Resources Development (Minister), pursuant to delegated powers dated 1 October 2009 –

- (a) suspend geothermal exploration licences GELs 169, 329, 330, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421 and 422 for the period from and including 12 August 2010 to 31 July 2011.
1. No regulated activities are permitted to be carried out during the period of the suspension.
 2. The expiry date of GEL 169 is now 20 April 2012.
 3. The expiry date of GELs 329 and 330 is now 22 September 2014.
 4. The expiry date of GELs 411 – 422 is now 2 May 2015.

Dated: 13 August 2010



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

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

GEOHERMAL EXPLORATION LICENCES
GELs 329, 330, 411, 412, 413, 414, 415,
416, 417, 418, 419, 420, 421 and 422

1. Notation of receipt of security 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: 7 May 2010

Ref: 27/2/495
27/2/496
27/2/528

PETROLEUM ACT 2000

*Suspension of Geothermal Exploration Licences—
GELs 169, 185, 329, 330, 411, 412, 413, 414, 415, 416, 417,
418, 419, 420, 421 and 422*

PURSUANT to section 90 of the Petroleum Act 2000, notice is hereby given that the abovementioned Geothermal Exploration Licences have been suspended under the provisions of the Petroleum Act 2000, from and including 7 April 2009 until 31 December 2009, pursuant to delegated powers dated 28 March 2002, *Gazetted* 11 April 2002, page 1573.

The expiry date of GEL 169 is now determined to be 1 February 2011.

The expiry date of GEL 185 is now determined to be 7 January 2011.

The expiry date of GELs 329 and 330 is now determined to be 3 October 2013.

The expiry date of GELs 411-422 is now determined to be 13 May 2014.

Dated 26 June 2009.

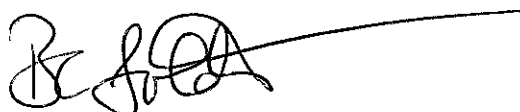
B. A. GOLDSTEIN,
Director Petroleum and Geothermal
Minerals and Energy Resources
Primary Industries and Resources SA
Delegate of the Minister for Mineral
Resources Development

Petroleum Act 2000
S.115

MEMORANDUM

GEOHERMAL EXPLORATION LICENCES
GELs 169, 185, 329, 330, 411, 412, 413, 414,
415, 416, 417, 418, 419, 420, 421 & 422

1. Suspension of licences from and including 7 April 2009 to 31 December 2009 is hereby entered on the public register.
2. The expiry date of GEL 169 is now 1 February 2011.
3. The expiry date of GEL 185 is now 7 January 2011.
4. The expiry date of GELs 329 and 330 is now 3 October 2013.
5. The expiry date of GELs 411 – 422 is now 13 May 2014.



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: 26 June 2009

Ref: 27/2/292
27/2/313
27/2/495
27/2/496
27/2/528

Petroleum Act 2000
S.90

**SUSPENSION OF
GEOTHERMAL EXPLORATION LICENCES
GELs 169, 185, 329, 330, 411, 412, 413, 414,
415, 416, 417, 418, 419, 420, 421 & 422**

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* 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 –

(a) suspend geothermal exploration licences GELs 169, 185, 329, 330, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421 and 422 for the period from and including 7 April 2009 to 31 December 2009.

1. No regulated activities are permitted to be carried out during the period of the suspension.
2. The expiry date of GEL 169 is now 1 February 2011.
3. The expiry date of GEL 185 is now 7 January 2011.
4. The expiry date of GELs 329 and 330 is now 3 October 2013.
5. The expiry date of GELs 411 – 422 is now 13 May 2014.

Dated: 26 June 2009



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

PETROLEUM ACT 2000

Grant of Geothermal Exploration Licences—GEL 329 and GEL 330

NOTICE is hereby given that the undermentioned Geothermal Exploration Licences have been granted with effect from and including 29 June 2007, 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 329	Terratherma Ltd	Arrowie Basin	7 January 2013	27/2/495
GEL 330	Terratherma Ltd	Arrowie Basin	7 January 2013	27/2/496

Description of Area—GEL 329

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

Commencing at a point being the intersection of latitude 29°44'00"S GDA94 and longitude 136°57'00"E GDA94, thence east to longitude 136°59'00"E GDA94, south to latitude 29°45'00"S GDA94, east to longitude 137°07'00"E GDA94, south to latitude 29°46'00"S GDA94, east to longitude 137°08'00"E GDA94, south to latitude 29°47'00"S GDA94, east to longitude 137°09'00"E GDA94, south to latitude 29°48'00"S GDA94, east to longitude 137°10'00"E GDA94, south to latitude 29°49'00"S GDA94, east to longitude 137°12'00"E GDA94, south to latitude 29°50'00"S GDA94, east to longitude 137°13'00"E GDA94, south to latitude 29°51'00"S GDA94, east to longitude 137°14'00"E GDA94, south to latitude 29°53'00"S GDA94, west to longitude 137°13'00"E GDA94, south to latitude 29°55'00"S GDA94, west to longitude 137°12'00"E GDA94, south to latitude 29°56'00"S GDA94, west to longitude 137°11'00"E GDA94, south to latitude 29°57'00"S GDA94, west to longitude 137°10'00"E GDA94, south to latitude 29°58'00"S GDA94, west to longitude 137°09'00"E GDA94, south to latitude 29°59'00"S GDA94, west to longitude 137°06'00"E GDA94, north to latitude 29°58'00"S GDA94, west to longitude 137°05'00"E GDA94, north to latitude 29°57'00"S GDA94, west to longitude 137°04'00"E GDA94, north to latitude 29°56'00"S GDA94, west to longitude 137°03'00"E GDA94, north to latitude 29°55'00"S GDA94, west to longitude 137°02'00"E GDA94, north to latitude 29°54'00"S GDA94, west to longitude 137°01'00"E GDA94, north to latitude 29°53'00"S GDA94, west to longitude 137°00'00"E GDA94, north to latitude 29°52'00"S GDA94, west to longitude 136°58'00"E GDA94, north to latitude 29°51'00"S GDA94, west to longitude 136°57'00"E GDA94, north to latitude 29°50'00"S GDA94, west to longitude 136°55'00"E GDA94, north to latitude 29°49'00"S GDA94, west to longitude 136°54'00"E GDA94, north to latitude 29°47'00"S GDA94, east to longitude 136°55'00"E GDA94, north to latitude 29°46'00"S GDA94, east to longitude 136°56'00"E GDA94, north to latitude 29°45'00"S GDA94, east to longitude 136°57'00"E GDA94, and north to the point of commencement.

Area: 497 km² approximately.

Description of Area—GEL 330

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

Commencing at a point being the intersection of latitude 29°52'00"S GDA94 and longitude 137°14'00"E GDA94, thence east to longitude 137°15'00"E GDA94, south to latitude 29°53'00"S GDA94, east to longitude 137°16'00"E GDA94, south to latitude 29°54'00"S GDA94, east to longitude 137°17'00"E GDA94, south to latitude 29°55'00"S GDA94, east to longitude 137°19'00"E GDA94, south to latitude 29°56'00"S GDA94, east to longitude 137°20'00"E GDA94, south to latitude 29°57'00"S GDA94, east to longitude 137°22'00"E GDA94, south to latitude 29°58'00"S GDA94, east to longitude 137°23'00"E GDA94, south to latitude 29°59'00"S GDA94, east to longitude 137°24'00"E GDA94, south to latitude 30°01'00"S GDA94, east to longitude 137°25'00"E GDA94, south to latitude 30°02'00"S GDA94, east to longitude 137°26'00"E GDA94, south to latitude 30°03'00"S GDA94, east to longitude 137°27'00"E GDA94, south to latitude 30°06'00"S GDA94, west to longitude 137°26'00"E GDA94, south to latitude 30°07'00"S GDA94, west to longitude 137°24'00"E GDA94, south to latitude 30°08'00"S GDA94, west to longitude 137°22'00"E GDA94, south to latitude 30°09'00"S GDA94, west to longitude 137°19'00"E GDA94, north to latitude 30°08'00"S GDA94, west to longitude 137°17'00"E GDA94, north to latitude 30°07'00"S GDA94, west to longitude 137°16'00"E GDA94, north to latitude 30°06'00"S GDA94, west to longitude 137°15'00"E GDA94, north to latitude 30°04'00"S GDA94, west to longitude 137°13'00"E GDA94, north to latitude 30°03'00"S GDA94, west to longitude 137°12'00"E GDA94, north to latitude 30°02'00"S GDA94, west to longitude 137°11'00"E GDA94, north to latitude 30°01'00"S GDA94, west to longitude 137°09'00"E GDA94, north to latitude 30°00'00"S GDA94, west to longitude 137°08'00"E GDA94, north to latitude 29°59'00"S GDA94, east to longitude 137°09'00"E GDA94, north to latitude 29°58'00"S GDA94, east to longitude 137°10'00"E GDA94, north to latitude 29°57'00"S GDA94, east to longitude 137°11'00"E GDA94, north to latitude 29°56'00"S GDA94, east to longitude 137°12'00"E GDA94, north to latitude 29°55'00"S GDA94, east to longitude 137°13'00"E GDA94, north to latitude 29°53'00"S GDA94, east to longitude 137°14'00"E GDA94, and north to the point of commencement.

Area: 496 km² approximately.

Dated 8 January 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
GEL 329 and GEL 330**

1. These Licences granted with effect from and including 8 January 2008 are hereby entered on the public register.

2. Interests in the licences are:-

Terratherma Ltd	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: 8 January 2008

Ref: 27/2/495
27/2/496

PETROLEUM ACT 2000

GEOTHERMAL EXPLORATION LICENCE

GEL 329

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:

Terratherma Ltd
ACN 126 933 140

(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 7 January 2013 but carrying the right of renewal under the *Petroleum Act 2000*. *SA*

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">• Geological and geophysical studies.
Two	<ul style="list-style-type: none">• Geological and geophysical studies.
Three	<ul style="list-style-type: none">• Drill three slim-hole bores to depths of 450 metres for heat flow and stress field analyses. (to be carried out within the area covered by C_{EL}'s 329 & 330)
Four	<ul style="list-style-type: none">• Geological and geophysical studies.• Identify optimal target for deep reservoir drilling. (to be carried out within the area covered by GEL's 329 & 330)
Five	<ul style="list-style-type: none">• Drill test hole to reservoir depth.• Evaluate water flow potential and/or fracture stimulation potential.• Conduct hydraulic stimulation tests at several levels in the bore and if required, undertake full hydraulic stimulation within the reservoir.

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: 8 January.....2008



.....
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: 7 December.....2007


.....
Authorised Representative

DOUGLAS HOWARD SOLOMON
.....
Name

DIRECTOR
.....
Position

TERRATHERMA LTD.
.....
Company


RAYMOND FRANCIS BUSCALL

COMPANY SECRETARY

TERRATHERMA LTD.

GEOTHERMAL EXPLORATION LICENCE

GEL 329

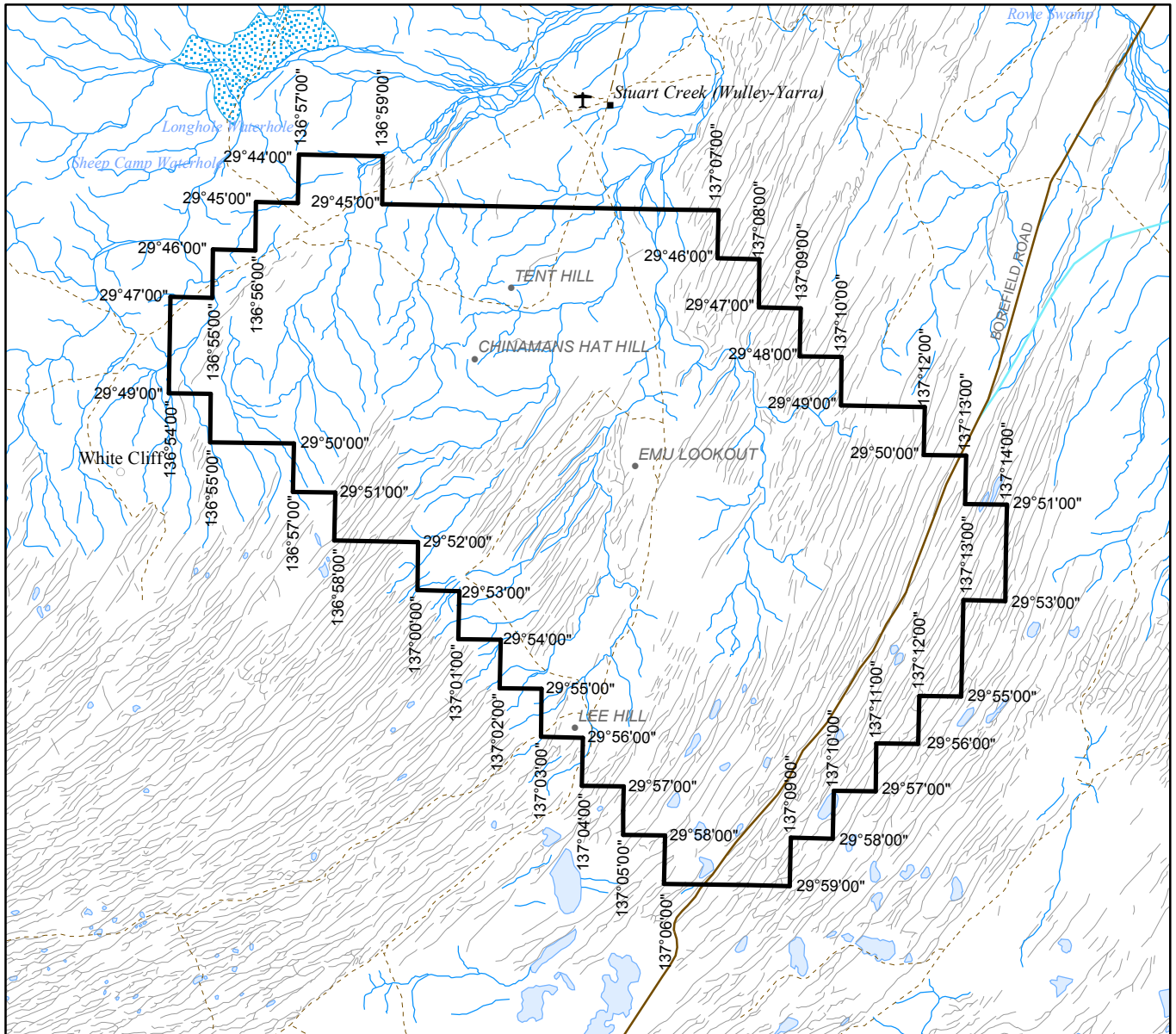
THE SCHEDULE

Description of Area

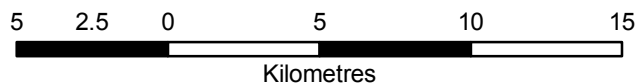
All that part of the State of South Australia, bounded as follows:-

Commencing at a point being the intersection of latitude 29°44'00"S GDA94 and longitude 136°57'00"E GDA94, thence east to longitude 136°59'00"E GDA94, south to latitude 29°45'00"S GDA94, east to longitude 137°07'00"E GDA94, south to latitude 29°46'00"S GDA94, east to longitude 137°08'00"E GDA94, south to latitude 29°47'00"S GDA94, east to longitude 137°09'00"E GDA94, south to latitude 29°48'00"S GDA94, east to longitude 137°10'00"E GDA94, south to latitude 29°49'00"S GDA94, east to longitude 137°12'00"E GDA94, south to latitude 29°50'00"S GDA94, east to longitude 137°13'00"E GDA94, south to latitude 29°51'00"S GDA94, east to longitude 137°14'00"E GDA94, south to latitude 29°53'00"S GDA94, west to longitude 137°13'00"E GDA94, south to latitude 29°55'00"S GDA94, west to longitude 137°12'00"E GDA94, south to latitude 29°56'00"S GDA94, west to longitude 137°11'00"E GDA94, south to latitude 29°57'00"S GDA94, west to longitude 137°10'00"E GDA94, south to latitude 29°58'00"S GDA94, west to longitude 137°09'00"E GDA94, south to latitude 29°59'00"S GDA94, west to longitude 137°06'00"E GDA94, north to latitude 29°58'00"S GDA94, west to longitude 137°05'00"E GDA94, north to latitude 29°57'00"S GDA94, west to longitude 137°04'00"E GDA94, north to latitude 29°56'00"S GDA94, west to longitude 137°03'00"E GDA94, north to latitude 29°55'00"S GDA94, west to longitude 137°02'00"E GDA94, north to latitude 29°54'00"S GDA94, west to longitude 137°01'00"E GDA94, north to latitude 29°53'00"S GDA94, west to longitude 137°00'00"E GDA94, north to latitude 29°52'00"S GDA94, west to longitude 136°58'00"E GDA94, north to latitude 29°51'00"S GDA94, west to longitude 136°57'00"E GDA94, north to latitude 29°50'00"S GDA94, west to longitude 136°55'00"E GDA94, north to latitude 29°49'00"S GDA94, west to longitude 136°54'00"E GDA94, north to latitude 29°47'00"S GDA94, east to longitude 136°55'00"E GDA94, north to latitude 29°46'00"S GDA94, east to longitude 136°56'00"E GDA94, north to latitude 29°45'00"S GDA94, east to longitude 136°57'00"E GDA94, and north to the point of commencement.

AREA: **497** 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: 329



Government of South Australia
Primary Industries and Resources SA

SR 27/2/495

AREA: 497 sq km (approx)