INDEX OF DOCUMENTS HELD ON THE PUBLIC REGISTER FOR GEOTHERMAL EXPLORATION LICENCE GEL 208

1.	11 August 2005	Memorandum entering GEL 208 on the public register.
2.	11 August 2005	Geothermal Exploration Licence GEL 208 Interests: Geothermal Resources Ltd 100%
3.	11 August 2005	Gazettal of Grant of GEL 208
4.	12 July 2006	Notation of receipt of security.
5.	1 November 2006	Memorandum entering notation of receipt of security arrangements is entered on the public register.
6.	9 December 2008	Suspension of licence for the period from and including 11 August 2008 to 21 November 2008. Expiry date of GEL 208 is now 21 November 2010.
7.	9 December 2008	Memorandum entering suspension of licence on the public register.
8.	9 December 2008	variation of licence
9.	9 December 2008	Memorandum entering variation of licence on the public register.
10.	18 December 2008	Gazettal of suspension of licence.
11.	17 November 2009	Consolidation of licence area with GELs 209 and 210. The total area of GEL 208 is now approximately 1,496 km²
12.	17 November 2009	Memorandum entering consolidation of licence area on the public register.
13.	22 December 2009	Memorandum entering notation of revision to security arrangements is entered on the public register.
14.	19 October 2010	Renewal of licence GEL 208 Expiry date of GEL 208 is 21 November 2015

15. 19 October 2010	Memorandum entering renewal of GEL 208 on the public register.
16. 16 November 2010	Consolidation of licence area with GEL 181 and the subsequent revocation of licence with effect from 23 November 2010
17. 16 November 2010	Memorandum entering the consolidation of licence area and revocation of licence on the public register.

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

GEOTHERMAL EXPLORATION LICENCES
GELs 181 and 208

1. Consolidation with effect from 23 November 2010, of the adjacent licence areas of GELs 181 and 208, whereby the consolidated licence area is now designated as GEL 181 is hereby entered on the public register.

   The total area of GEL 181 is now 1,305 square kilometres approximately.

2. Revocation of GEL 208 with effect from 23 November 2010 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: 16 November 2010

Ref: 27/2/306
27/2/341

Petroleum and Geothermal Energy Act 2000

Consolidation of licence areas
Geothermal Exploration Licences
GELs 181 and 208

Revocation of licence
Geothermal Exploration Licence
GEL 208

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 section 82 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, hereby;

1. consolidate with effect from 23 November 2010, the adjacent areas of Geothermal Exploration Licences GELs 181 and 208 held by –

Geothermal Resources Ltd
ACN 115 281 144

The consolidated licence area shall be designated as:

Geothermal Exploration Licence GEL 181

DESCRIPTION OF CONSOLIDATED AREA

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

Commencing at a point being the intersection of latitude 31°09'00"S GDA94 and longitude 139°41'00"E GDA94,
thence east to longitude 139°48'00"E GDA94,
south to latitude 31°20'00"S GDA94, east to longitude 139°53'00"E GDA94,
south to latitude 31°29'00"S GDA94, west to longitude 139°52'00"E GDA94,
south to latitude 31°44'00"S GDA94, west to longitude 139°38'00"E GDA94,
north to latitude 31°37'00"S GDA94, west to longitude 139°36'00"E GDA94,
north to latitude 31°36'00"S GDA94, west to longitude 139°34'00"E GDA94,
north to latitude 31°26'00"S GDA94, east to longitude 139°41'00"E GDA94,
and north to point of commencement.

AREA: **1305** square kilometres approximately.

2. consequently revoke Geothermal Exploration Licence GEL 208 with effect from 23 November 2010.

As a consequence of the consolidation, the work program forming 'condition 1' of the consolidated GEL 181 comprises:

Year of Term of Licence	Minimum Work Requirements
One	• Geological and geophysical studies.
Two	• Geological and geophysical studies.
Three	• Geological and geophysical studies.
Four	• Drill one deep well > 3,000 m depth.
Five	• Flow test well; and • Data review

Dated: 16 Nov 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

The following signature evidences the consent of the licensee to the consolidation of GELs 181 and 208 as set out in this document and made pursuant to Section 82 of the *Petroleum and Geothermal Energy Act 2000.*

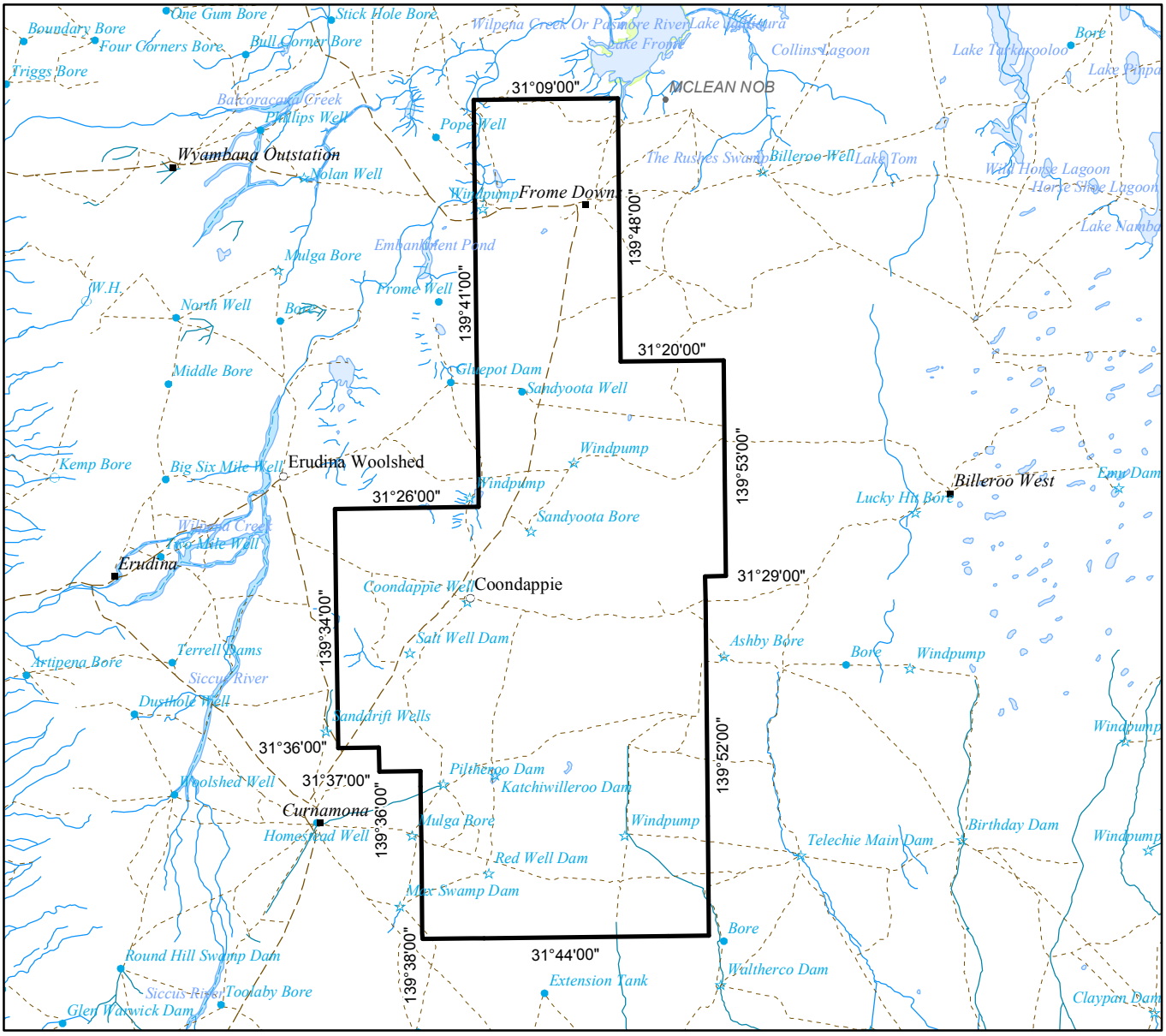
Signed for and on behalf of **Geothermal Resources Ltd** by its authorised representative:

3/11/2010
Date

Authorised Representative

Geoff Stolz
Name

Project Manager
Position



SCALE 1:500 000

10 5 0 10 20 30

Kilometres

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

GEOTHERMAL EXPLORATION LICENCE NO: 181

Government of South Australia
Primary Industries and Resources SA

SR 27/2/306 AREA: **1305** sq km (approx)

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

RENEWAL OF
GEOTHERMAL EXPLORATION LICENCE
GEL 208

1. Renewal of this licence, effective from 22 November 2010 is hereby entered on the public register.

   Expiry date: 21 November 2015

2. Interests in the licence are:

   Geothermal Resources 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: 19 October 2010

File: 27/2/341

Petroleum and Geothermal Energy Act 2000

FIRST RENEWAL OF GEOTHERMAL EXPLORATION LICENCE GEL 208

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 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, HEREBY GRANT to:

Geothermal Resources Ltd
ACN 115 281 144

(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 from 22 November 2010 and to expire on 21 November 2015.

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	• Geological and geophysical studies *Year 1 work program to be undertaken anywhere within the area of GELs 181 and 208*
Two	• Geological and geophysical studies *Year 2 work program to be undertaken anywhere within the area of GELs 181 and 208*
Three	• Geological and geophysical studies *Year 3 work program to be undertaken anywhere within the area of GELs 181 and 208*
Four	• Drill one deep well (to>3000m depth) *Year 4 work program to be undertaken anywhere within the area of GELs 181 and 208*
Five	• Flow test well, review data, and renewal studies *Year 5 work program to be undertaken anywhere within the area of GELs 181 and 208*

2. 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 this 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 may, at his discretion, either cancel this licence or authorise such variation to these requirements as the Minister thinks fit.

3. The Licensee shall during periods determined by the Minister lodge and maintain with the Minister in the form acceptable to 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.

4. 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).

5. 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.

6. The Licensee will ensure, when preparing an Environmental Impact Report under Part 12 of the *Petroleum and Geothermal Energy Act 2000*, that the report also includes an assessment of the potential economic consequences for other Licensee under the *Petroleum and Geothermal Energy Act 2000* or *Mining Act 1971* and owners of land, arising out of proposed regulated activities to be carried out in the licence area.

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 the Petroleum and Geothermal Energy Act 2000* cannot transfer, limit or exclude liability under the *Petroleum and Geothermal Energy Act 2000* unless written consent of the Minister is obtained.

Date: 19/10/10

.....

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: 8th October 2010

Authorised Representative

Geoff Stolz

Name

Project Manager

Position

Geothermal Resources

Company

GEOTHERMAL EXPLORATION LICENCE

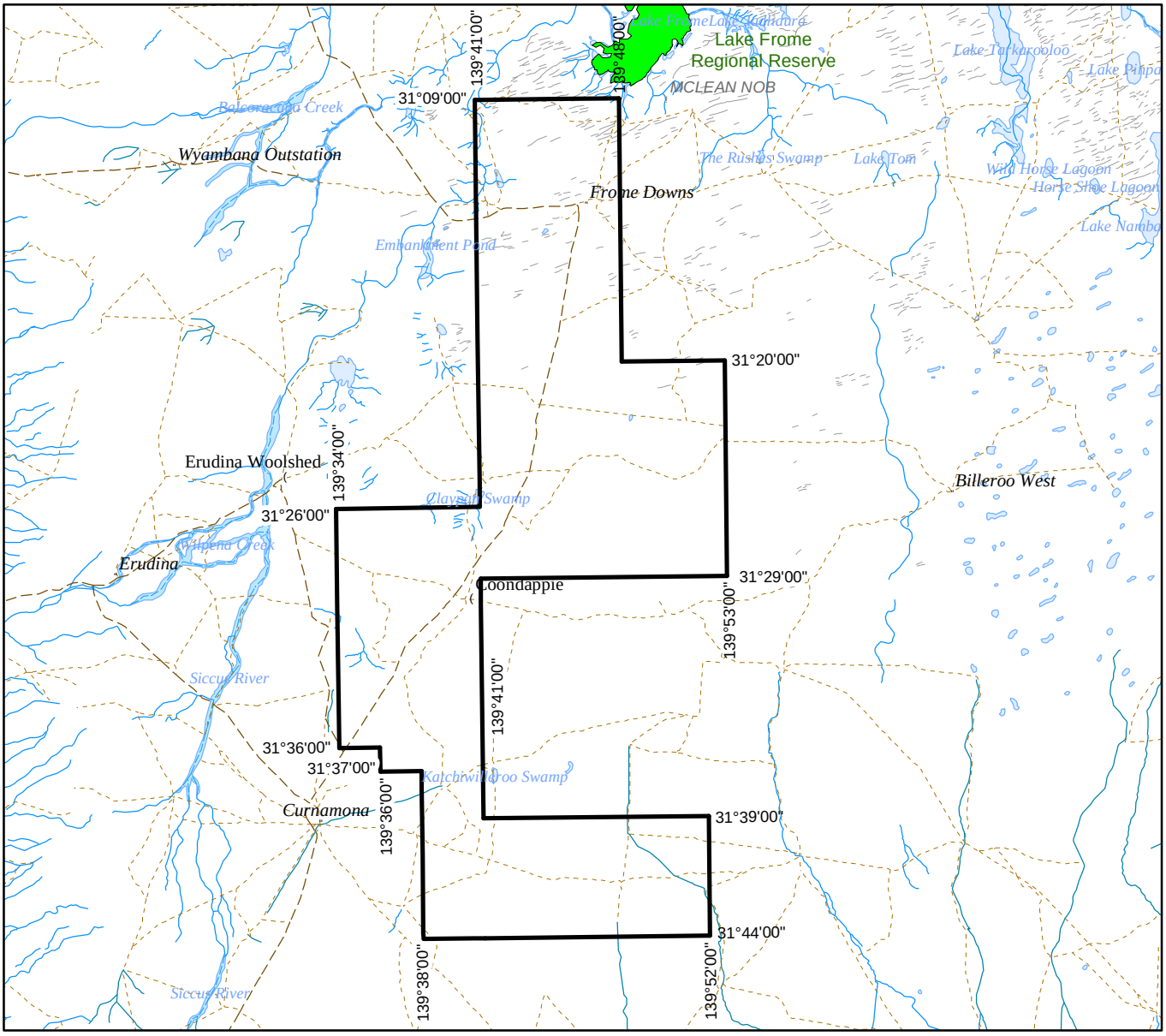
GEL 208

DESCRIPTION OF AREA

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

Commencing at a point being the intersection of latitude 31°09'00"S GDA94 and longitude 139°41'00"E GDA94, thence east to longitude 139°48'00"E GDA94,
south to latitude 31°20'00"S GDA94, east to longitude 139°53'00"E GDA94,
south to latitude 31°29'00"S GDA94, west to longitude 139°41'00"E GDA94,
south to latitude 31°39'00"S GDA94, east to longitude 139°52'00"E GDA94,
south to latitude 31°44'00"S GDA94, west to longitude 139°38'00"E GDA94,
north to latitude 31°37'00"S GDA94, west to longitude 139°36'00"E GDA94,
north to latitude 31°36'00"S GDA94, west to longitude 139°34'00"E GDA94,
north to latitude 31°26'00"S GDA94, east to longitude 139°41'00"E GDA94,
and north to the point of commencement.

AREA: **983** square kilometres approximately.



SCALE 1:500 000

5 2.5 0 5 10 15 20 25

Kilometres

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

GEOTHERMAL EXPLORATION LICENCE NO: 208

Government of South Australia
Primary Industries and Resources SA

SR 27/2/341 AREA: **983** sq km (approx)

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

GEOTHERMAL EXPLORATION LICENCES
GELs 181, 208, 214, 222 and 280

PETROLEUM EXPLORATION LICENCES
PELs 186 and 187

1 Notation of receipt of security in the form of a Bank Guarantee dated 25 November 2009 is hereby entered on the public register.

2. Security is held to cover any single event occurring in any licence held and operated by Geothermal Resources Ltd in South Australia.

3. Notation of the discharge to Geothermal Resources Limited of Bank Guarantee dated 26 September 2006 and held as security in respect of geothermal exploration licences 181, 208, 214 and 222 is entered on the public register.

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: 22 December 2009

File: 27/2/306
27/2/315
27/2/316
27/2/341
27/2/363
27/2/372
27/2/445

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

GEOTHERMAL EXPLORATION LICENCES
GELs 208, 209 AND 210

1. Consolidation of the adjacent licence areas of GELs 208, 209 and 210, whereby the consolidated licence area is now designated as GEL 208 is hereby entered on the public register.

   The total area of GEL 208 is now 1,496 square kilometres approximately.

2. Revocation of GELs 209 and 210 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: 17 November 2009

Ref: 27/2/341
27/2/342
27/2/343

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Petroleum and Geothermal Energy Act 2000

Consolidation of licence areas
Geothermal Exploration Licences
GELs 208, 209 and 210

Revocation of licences
Geothermal Exploration Licences
GELs 209 and 210

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 section 82 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, hereby;

1. consolidate the adjacent areas of Geothermal Exploration Licences GELs 208, 209 and 210 held by –

Geothermal Resources Limited ACN 115 281 144

The consolidated licence area shall hereafter be designated as:

Geothermal Exploration Licence GEL 208

DESCRIPTION OF CONSOLIDATED AREA

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

Commencing at a point being the intersection of latitude 31°09'00"S GDA94 and longitude 139°41'00"E GDA94, thence east to longitude 139°58'00"E GDA94, south to latitude 31°29'00"S GDA94, west to longitude 139°41'00"E GDA94, south to latitude 31°39'00"S GDA94, east to longitude 139°56'00"E GDA94, south to latitude 31°44'00"S GDA94, west to longitude 139°38'00"E GDA94, north to latitude 31°37'00"S GDA94, west to longitude 139°36'00"E GDA94, north to latitude 31°36'00"S GDA94, west to longitude 139°34'00"E GDA94, north to latitude 31°26'00"S GDA94, east to longitude 139°41'00"E GDA94, and north to the point of commencement.

AREA: **1,496** square kilometres approximately.

2. consequently revoke Geothermal Exploration Licences GELs 209 and 210.

As a consequence of the consolidation, the work program forming 'Condition 1' of the consolidated GEL 208 comprises:

Year of Term of Licence	Minimum Work Requirements
One	• Geological and geophysical studies.
Two	• Drill two shallow holes.
Three	• Drill two shallow holes.
Four	• Review of pilot hole results and decision on drilling production wells.
Five	• Geological and geophysical studies.

Dated: 17 NOV. 09

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

The following signature evidences the consent of the licensee to the consolidation of GELs 208, 209 and 210 as set out in this document and made pursuant to Section 82 of the *Petroleum and Geothermal Energy Act 2000*.

Signed for and on behalf of **Geothermal Resources Limited** by its authorised representative:

Date: 9/11/2009

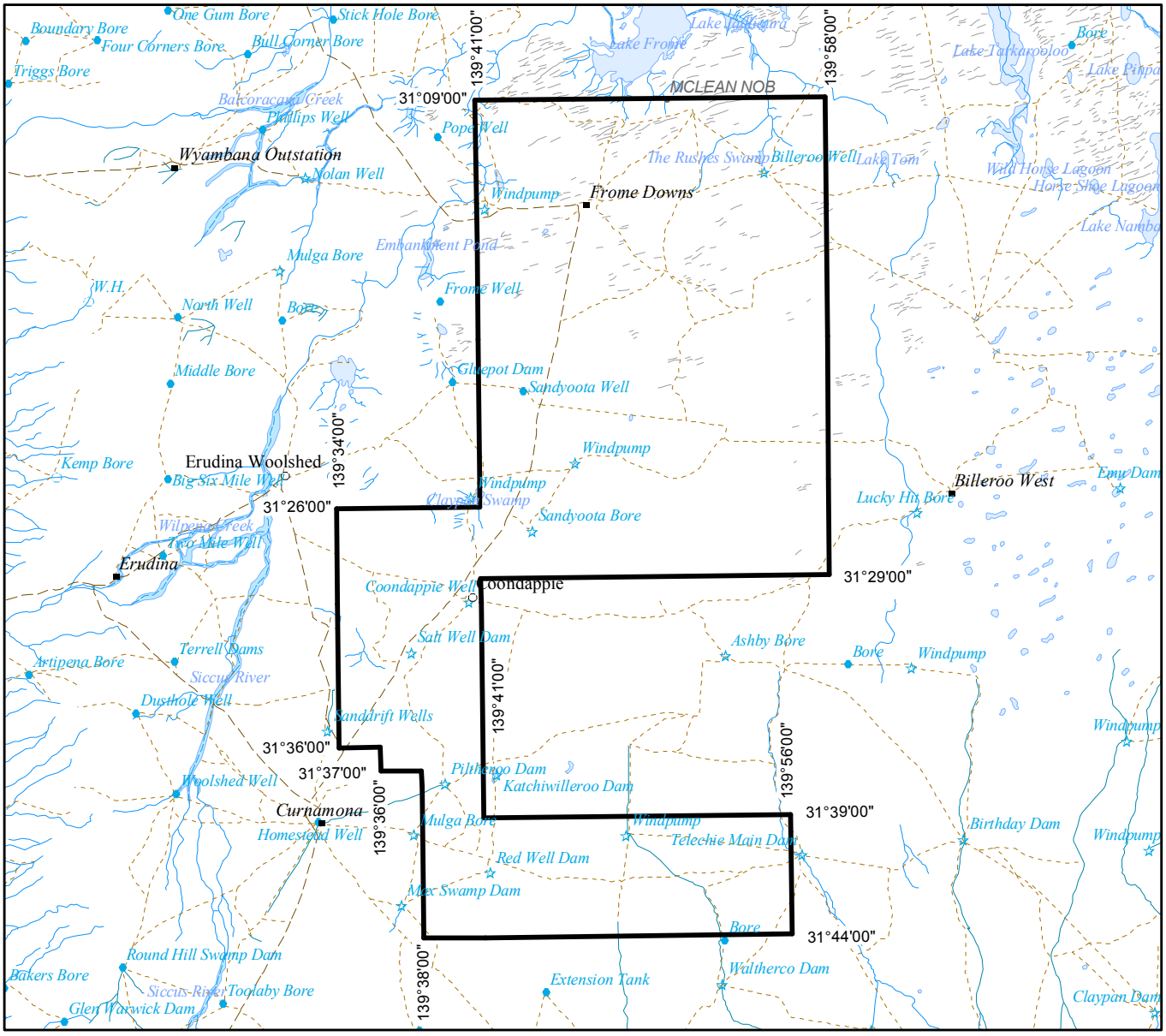
Authorised Representative

Dr. Geoff STOLZ

Name

Project Manager

Position



SCALE 1:500 000

5 2.5 0 5 10 15 20 25

Kilometres

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

GEOTHERMAL EXPLORATION LICENCE NO: 208

PETROLEUM ACT 2000

Suspension of Geothermal Exploration Licences—
GEL 208, GEL 209 and GEL 210

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, for the period from and including 11 August 2008 to 21 November 2008, pursuant to delegated powers dated 28 March 2002, *Gazetted* 11 April 2002, page 1573.

The expiry date of Geothermal Exploration Licences GEL 208, GEL 209 and GEL 210 is now determined to be 21 November 2010.

Dated 9 December 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

GEOTHERMAL EXPLORATION LICENCES
GELs 181, 208, 209 and 210

1. Variation of licence conditions 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: 9 December 2008

Ref: 27/2/306
27/2/341
27/2/342
27/2/343

Petroleum Act 2000

VARIATION OF
GEOTHERMAL EXPLORATION LICENCES
GELs 208, 209 and 210

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 section 25 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 hereby vary the conditions of Geothermal Exploration Licences GEL 208, 209 and 210 held by-

Geothermal Resources Limited
ACN 115 281 144

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

" 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	• Geological and geophysical studies.
Two	• Drill two shallow holes.
Three	• Drill two shallow holes.
Four	• Review of pilot hole results and decision on drilling production wells. *Year 4 work program to be conducted anywhere within the boundaries of GELs 181, 208, 209 and 210.*
Five	• Geological and geophysical studies. *Year 5 work program to be conducted anywhere within the boundaries of GELs 208, 209 and 210.*

"

Dated: 9 December 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

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Petroleum Act 2000
S.115

MEMORANDUM

GEOTHERMAL EXPLORATION LICENCES
GEL 208, GEL 209 and GEL 210

1. Suspension of licence from and including 11 August 2008 to 21 November 2008 is hereby entered on the public register.

2. The expiry date of GEL 208, GEL 209 and GEL 210 is now 21 November 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

Date: 9 December 2008

Ref: 27/2/341
27/2/342
27/2/343

M 1077 doc

Petroleum Act 2000
S.90

SUSPENSION OF
GEOTHERMAL EXPLORATION LICENCES
GEL 208, GEL 209 and GEL 210

I, BARRY A. 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 GEL 208, GEL 209 and GEL 210 for the period from and including 11 August 2008 to 21 November 2008.

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

2. The expiry date of GEL 208, GEL 209 and GEL 210 is now determined to be 21 November 2010.

Dated: 9 December 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

Petroleum Act 2000
S.115

MEMORANDUM

GEOTHERMAL EXPLORATION LICENCES GELs 181, 208, 209, 210, 214, 215, 216, 217, 222, 249 AND 250

1. Notation of receipt of security in the form of a Bank Guarantee dated 26 September 2006 is hereby entered on the public register.

2. Security is held to cover any single event occurring in any licence held and operated by Geothermal Resources Ltd in South Australia.

3. Bank guarantee dated 5 June 2006 that was held as security to cover geothermal exploration licences 181, 208, 209, 210, 214, 215, 216 and 217 is hereby discharged to Geothermal Resources Limited.

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: 1 November 2006

File: 27/2/306
27/2/341
27/2/342
27/2/343
27/2/363
27/2/364
27/2/365
27/2/366
27/2/372
27/2/408
27/2/409

M 0746.doc

Petroleum Act 2000
S.115

MEMORANDUM

GEOTHERMAL EXPLORATION LICENCES GEL 181, GEL 208, GEL 209, GEL 210, GEL 214, GEL 215, GEL 216 and GEL 217

1. Notation of receipt of Security is 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: 12 July 2006

File: 27/2/306
27/2/341
27/2/342
27/2/343
27/2/363
27/2/364
27/2/365
27/2/366

Petroleum Act 2000
S.115

MEMORANDUM

GEOTHERMAL EXPLORATION LICENCES
GEL 208, GEL 209 and GEL 210

1. These Licences granted on 11 August 2005 are hereby entered on the public register.

2. Interests in the licences are:-

Geothermal Resources Limited	100%

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

Date: 11 August 2005

Ref: 27/2/341
27/2/342
27/2/343

PETROLEUM ACT 2000

GEOTHERMAL EXPLORATION LICENCE

GEL 208

I, BARRY ALAN GOLDSTEIN, Director Petroleum, Minerals and Energy Division, 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:

Geothermal Resources Limited

ACN: 115 281 144

(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 10 August 2010 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	• Gravity survey.
Two	• Data review.
Three	• Drill one shallow hole.
Four	• Drill one deep pilot hole.
Five	• Drilling of one production well and one injection well.

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 Licensees 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: 11 August 2005

.....

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

Signed by the said LICENSEE

Date:.... 9th August 2005

....
Authorised Representative

....
Witness

....Chris Giles .....
Name

.... Bob Johnson .....
Name

.....Technical Director .....
Position

.....Chairman .....
Position

..Geothermal Resources Limited
Company

....Geothermal Resources Limited
Company

COMMON SEAL
GEOTHERMAL RESOURCES LIMITED
A.C.N. 115 281 144

GEOTHERMAL EXPLORATION LICENCE

GEL 208

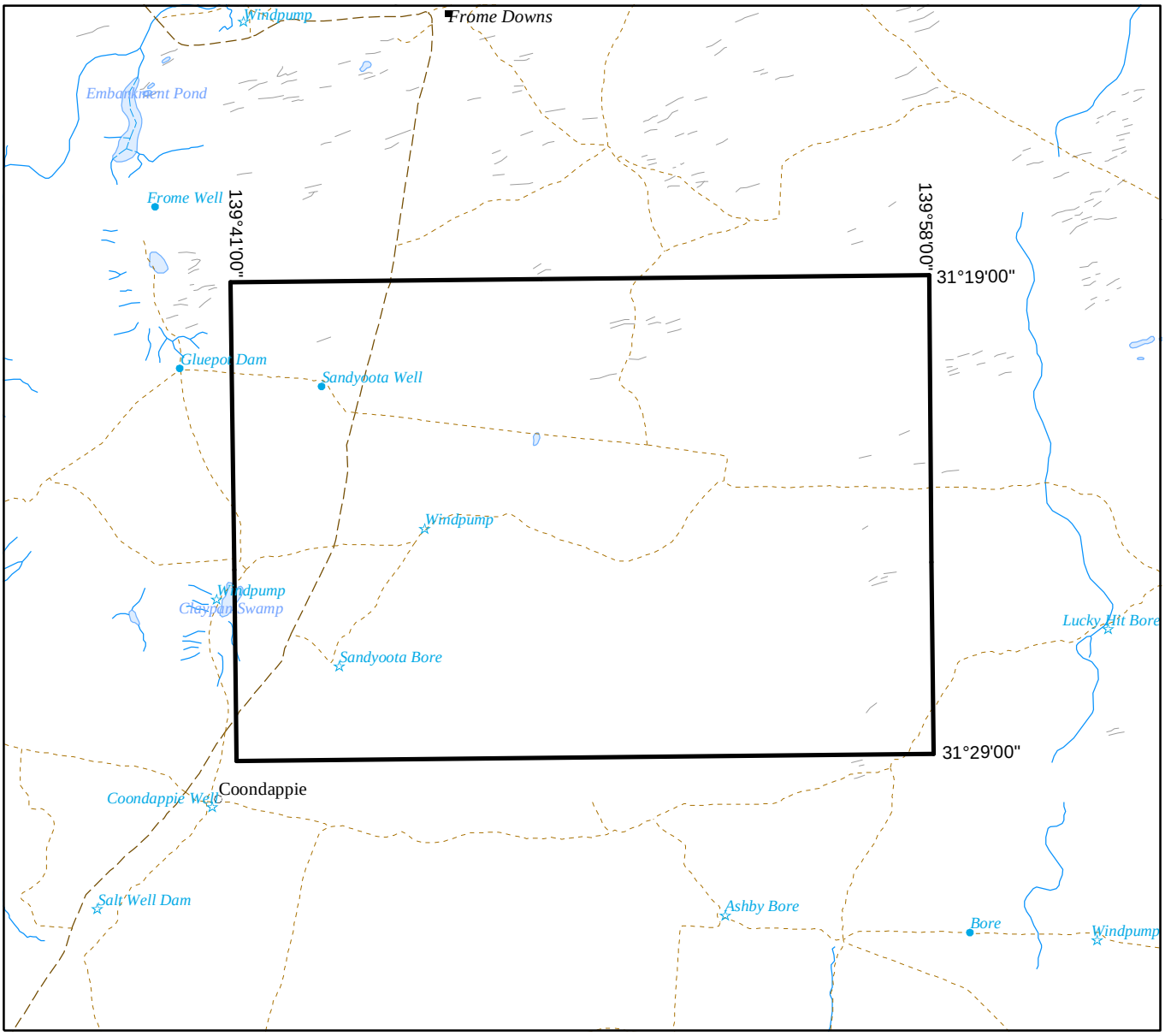
THE SCHEDULE

Description of Area

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

Commencing at a point being the intersection of latitude 31°19'00"S GDA94 and longitude 139°41'00"E GDA94, thence east to longitude 139°58'00"E GDA94, south to latitude 31°29'00"S GDA94, west to longitude 139°41'00"E GDA94, and north to point of commencement.

AREA: **498** square kilometres approximately.



SCALE 1:250 000

5 2.5 0 5 10 15

Kilometres

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

GEOTHERMAL EXPLORATION LICENCE NO: 208

Government of South Australia MINERALS & ENERGY

SR 27/2/341 AREA: **498** sq km (approx)