INDEX OF DOCUMENTS HELD ON THE PUBLIC REGISTER FOR GEOTHERMAL EXPLORATION LICENCE GEL 280

1. 29 June 2007  Geothermal Exploration Licence GEL 280 granted
   Interests: Geothermal Resources Limited 100%
   Expiry Date: 28 June 2012

2. 29 June 2007  Memorandum entering GEL 280 on the public register and receipt of security.

3. 5 July 2007  Gazettal of Grant of Licence.

4. 9 December 2008  Variation of licence conditions.

5. 9 December 2008  Memorandum entering the variation of licence conditions on the public register.

6. 22 December 2009  Memorandum entering notation of receipt of security is entered on the public register.

7. 13 January 2010  Surrender of Licence

8. 13 January 2010  Memorandum entering surrender on public register

9. 21 January 2010  Gazettal of surrender of licence
PETROLEUM AND GEOTHERMAL ENERGY ACT 2000
Surrender of Geothermal Exploration Licences—GEL 222 and GEL 280

NOTICE is hereby given that I have accepted the 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:

<table>
<thead>
<tr>
<th>No. of Licence</th>
<th>Licensee</th>
<th>Locality</th>
<th>Date of Surrender</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>222</td>
<td>Geothermal Resources Limited</td>
<td>Lake Frome</td>
<td>22 December 2009</td>
<td>27/2/372</td>
</tr>
<tr>
<td>280</td>
<td></td>
<td></td>
<td></td>
<td>27/2/445</td>
</tr>
</tbody>
</table>

Description of Area

GEL 222
All that part of the State of South Australia, bounded as follows: Commencing at a point being the intersection of latitude 31°20'00"S GDA94 and longitude 140°17'00"E GDA94, thence east to longitude 140°22'00"E GDA94, south to latitude 31°41'00"S GDA94, east to longitude 140°26'00"E GDA94, south to latitude 31°47'00"S GDA94, west to longitude 140°17'00"E GDA94 and north to point of commencement.
Area: 464 km² approximately.

GEL 280
All that part of the State of South Australia, bounded as follows: Commencing at a point being the intersection of latitude 31°21'00"S GDA94 and longitude 140°22'00"E GDA94, thence east to longitude 140°39'00"E GDA94, south to latitude 31°27'00"S GDA94, west to longitude 140°37'00"E GDA94, south to latitude 31°28'00"S GDA94, west to longitude 140°34'00"E GDA94, south to latitude 31°32'00"S GDA94, west to longitude 140°22'00"E GDA94 and north to the point of commencement.
Area: 483 km² approximately.

Dated 13 January 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
MEMORANDUM

GEOTHERMAL EXPLORATION LICENCES
GELs 222 and 280

1. Surrender of the abovementioned Geothermal Exploration Licences, with effect from 22 December 2009 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: 13 January 2010

Ref: 27/2/372
27/2/445
Petroleum and Geothermal Energy Act 2000

SURRENDER OF
GEOTHERMAL EXPLORATION LICENCES
GELs 222 and 280

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 section 89(2) 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) hereby accept surrender of Geothermal Exploration Licences GELs 222 and 280 in the name of Geothermal Resources Limited, with effect from 22 December 2009.

Dated: 13 January 2010

[Signature]

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

GEOTHERMAL EXPLORATION LICENCES
GELs 222 and 280

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: 27/2/372
     27/2/445
Petroleum Act 2000

VARIATION OF
GEOTHERMAL EXPLORATION LICENCE
GEL 280

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 Licence GEL 280 held by-

Geothermal Resources Limited
ACN 115 281 144

Condition 1 of the licence 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:-

<table>
<thead>
<tr>
<th>Year of Term of Licence</th>
<th>Minimum Work Requirements</th>
</tr>
</thead>
</table>
| One                     | • Geological and geophysical review; and  
                          | • Measure geothermal gradients in accessible water wells and oil wells. |
| Two                     | • Review of open file geophysical and drilling data to obtain depth of cover and bedrock lithology information;  
                          | • 3D modelling to determine subsurface geology and location of possible buried granite bodies;  
                          | • Temperature measurements in any accessible mineral drill holes; and  
                          | • Completion of one shallow drill hole to 500m depth. |
|                         | Year 2 work program to be conducted anywhere within the boundaries of GELs 222 and 280 |
| Three                   | • Assessment of test results and decision on whether to drill further shallow holes. |
|                         | Year 3 work program to be conducted anywhere within the boundaries of GELs 222 and 280. |
| Four | • Assessment of test results and decision on whether to drill one deep pilot hole to 1800m depth; and  
| | • Temperature logging.  
| | Year 4 work program to be conducted anywhere within the boundaries of GELs 222 and 280 |
| Five | • Review of pilot hole results (if drilled) and decision on drilling production wells. |

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
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.

<table>
<thead>
<tr>
<th>No. of Licence</th>
<th>Licensee</th>
<th>Locality</th>
<th>Date of Expiry</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEL 279</td>
<td>Geothermal Resources Limited</td>
<td>Arrowie East</td>
<td>28 June 2012</td>
<td>27/2/444</td>
</tr>
<tr>
<td>GEL 280</td>
<td>Geothermal Resources Limited</td>
<td>Arrowie East</td>
<td>28 June 2012</td>
<td>27/2/445</td>
</tr>
</tbody>
</table>

**Description of Area—GEL 279**

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

Commencing at a point being the intersection of latitude 31°27′00″S GDA94 and longitude 140°37′00″E GDA94, thence east to longitude 140°48′00″E GDA94, south to latitude 31°42′00″S GDA94, west to longitude 140°37′00″E GDA94 and north to the point of commencement.

Area: 482 km² approximately.

**Description of Area—GEL 280**

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

Commencing at a point being the intersection of latitude 31°21′00″S GDA94 and longitude 140°22′00″E GDA94, thence east to longitude 140°39′00″E GDA94, south to latitude 31°27′00″S GDA94, west to longitude 140°37′00″E GDA94, south to latitude 31°28′00″S GDA94, west to longitude 140°34′00″E GDA94, south to latitude 31°32′00″S GDA94, west to longitude 140°22′00″E GDA94 and north to the point of commencement.

Area: 483 km² approximately.

Dated 29 June 2007.

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

GEOTHERMAL EXPLORATION LICENCES
GEL 279; GEL 280

1. These Licences granted on 29 June 2007 are hereby entered on the public registers.

2. Interests in the licences are:

   Geothermal Resources Limited 100%

3. Notation of receipt of security is hereby entered on the public registers.

   [Signature]

   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 June 2007

Ref: 27/2/444
    27/2/445
PETROLEUM ACT 2000

GEOTHERMAL EXPLORATION LICENCE

GEL 280

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:

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 28 June 2012 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:-

<table>
<thead>
<tr>
<th>Year of Term of Licence</th>
<th>Minimum Work Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>• Geological and geophysical review.</td>
</tr>
<tr>
<td></td>
<td>• Measure geothermal gradients in accessible water and oil wells.</td>
</tr>
<tr>
<td></td>
<td>(to be conducted anywhere in the area covered by GELs 279 and 280)</td>
</tr>
<tr>
<td>Two</td>
<td>• Geological and geophysical review.</td>
</tr>
<tr>
<td></td>
<td>(to be conducted anywhere in the area covered by GELs 279 and 280)</td>
</tr>
<tr>
<td>Three</td>
<td>• 3-4 shallow drill holes to an aggregate depth of at least 2000 metres.</td>
</tr>
<tr>
<td></td>
<td>• Geological and geophysical review.</td>
</tr>
<tr>
<td></td>
<td>(to be conducted anywhere in the area covered by GELs 279 and 280)</td>
</tr>
<tr>
<td>Four</td>
<td>• 1 deep pilot drillhole</td>
</tr>
<tr>
<td></td>
<td>• Geological and geophysical review.</td>
</tr>
<tr>
<td></td>
<td>(to be conducted anywhere in the area covered by GELs 279 and 280)</td>
</tr>
</tbody>
</table>
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 June 2007

_________________________________________
BARRY A. GOLDSMITH
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: 20th April 2007

Authorised Representative

Chris Giles

Name

Technical Director

Position

Geothermal Resources Limited

Company

Witness

Peter Leach

Name

Senior Resource Geologist

Position

Hawilah Resources NL

Company
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°21'00"S GDA94 and longitude 140°22'00"E GDA94, thence east to longitude 140°39'00"E GDA94, south to latitude 31°27'00"S GDA94, west to longitude 140°37'00"E GDA94, south to latitude 31°28'00"S GDA94, west to longitude 140°34'00"E GDA94, south to latitude 31°32'00"S GDA94, west to longitude 140°22'00"E GDA94, and north to the point of commencement.

AREA: 483 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 Geocentric Datum of Australia (GDA94) and the schedule.

THE PLAN HEREBEFORE REFERRED TO

GEOTHERMAL EXPLORATION LICENCE NO: 280

Government of South Australia
Primary Industries and Resources SA

SR 27/2/445
AREA: 483 sq km (approx)