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MEMORANDUM

GEOTHERMAL EXPLORATION LICENCES
GELs 523 and 524

1. Consolidation of the adjacent licence areas of GELs 523 and 524, whereby the consolidated licence area is now designated as GEL 523 is hereby entered on the public register.

The total area of GEL 523 is now 2608 square kilometres approximately.

2. Revocation of GEL 524 is hereby entered on the public register.

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

Date: 11 January 2012
Ref: F2010/000142
Petroleum and Geothermal Energy Act 2000

CONSOLIDATION OF LICENCE AREAS
GEOTHERMAL EXPLORATION LICENCES
GELs 523 and 524

REVOCATION OF LICENCE
GEOTHERMAL EXPLORATION LICENCE
GEL 524

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 -

1. Consolidate the adjacent areas of Geothermal Exploration Licences GELs 523 and 524 held by –

Earth Heat Australia Pty Ltd
ACN 126 917 459

The consolidated licence area shall be designated as:

Geothermal Exploration Licence GEL 523

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 32°22’20”S GDA94 and longitude 138°27’30”E GDA94, thence east to longitude 138°45’35”E GDA94, south to latitude 32°38’00”S GDA94, east to longitude 138°57’00”E GDA94, south to latitude 32°56’00”S GDA94, east to longitude 139°13’00”E GDA94, south to latitude 32°58’00”S GDA94, east to longitude 139°21’00”E GDA94, south to latitude 32°59’00”S GDA94, west to longitude 138°48’00”E GDA94, north to latitude 32°56’00”S GDA94, west to longitude 138°27’30”E GDA94, and north to the point of commencement, but excluding the Black Rock Conservation Park

AREA: 2608 square kilometres approximately.
2. Consequently revoke Geothermal Exploration Licence GEL524.

As a consequence of the consolidation, the work program forming ‘condition 1’ of the consolidated GEL 523 comprises:

<table>
<thead>
<tr>
<th>Year of Term of Licence</th>
<th>Minimum Work Requirements</th>
</tr>
</thead>
</table>
| One                     | • Geological and geophysical studies.  
                          | Year 1 work program to be conducted anywhere within the boundaries of GELs 523 and 525. |
| Two                     | • Geological and geophysical studies; and  
                          | Planning for MT survey to be undertaken in year 4  
                          | Year 2 work program to be conducted anywhere within the boundaries of GELs 523 and 525. |
| Three                   | • Geological and geophysical studies.  
                          | Year 3 work program to be conducted anywhere within the boundaries of GELs 523 and 525. |
| Four                    | • Geophysical data acquisition (MT-75 station); and  
                          | • Geological and geophysical studies.  
                          | Year 4 work program to be conducted anywhere within the boundaries of GELs 523 and 525. |
| Five                    | • 1 Fully cored stratigraphic drill-hole to approx 500m  
                          | • Geological and geophysical studies.  
                          | Year 5 work program to be conducted anywhere within the boundaries of GELs 523 and 525. |

Dated: 11/1/12

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
The following signature evidences the consent of the licensee to the consolidation of GELs 523 and 524 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 Earth Heat Australia Pty Ltd by its authorised representative:

30/12/2011

Date

[Signature]

Authorised Representative

TROY MARSHALL

Name

MANAGING DIRECTOR

Position
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: 523

Government of South Australia
Primary Industries and Resources SA
Inst 04534.doc

F2010/000142 AREA: 2608 sq km (approx)
P ETROLEUM AND GEOTHERMAL ENERGY ACT 2000

Suspension of Geothermal Exploration Licences—GELs 337, 338, 339, 503, 504, 505, 506, 507, 523, 524 and 525

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 21 July 2010 until 20 July 2011, pursuant to delegated powers dated 1 October 2009.

The expiry date of GELs 337, 338 and 339 is now determined to be 31 August 2015.

The expiry date of GELs 503, 504, 505, 506 and 507 is now determined to be 17 December 2015.

The expiry date of GELs 523, 524 and 525 is now determined to be 3 June 2016.

Dated 27 July 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 337, 338, 339, 503, 504, 505,
506, 507, 523, 524 and 525

1. Suspension of licences from and including 21 July 2010 to 20 July 2011 is hereby entered on the public register.

2. The expiry date of GELs 337, 338 and 339 is now determined to be 31 August 2015.

3. The expiry date of GELs 503, 504, 505, 506 and 507 is now determined to be 17 December 2015.

4. The expiry date of GELs 523, 524 and 525 is now determined to be 3 June 2016.

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: 27 July 2010

Ref: 27/2/505
27/2/506
F2009/000457
F2010/000142
SUSPENSION OF
GEOTHERMAL EXPLORATION LICENCES
GELs 337, 338, 339, 503, 504, 505,
506, 507, 523, 524 and 525

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 hereby -

1. suspend geothermal exploration licences GELs 337, 338, 339, 503, 504, 505, 506, 507, 523, 524 and 525 for the period from and including 21 July 2010 to 20 July 2011.

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

(a) The expiry date of GELs 337, 338 and 339 is now determined to be 31 August 2015.

(b) The expiry date of GELs 503, 504, 505, 506 and 507 is now determined to be 17 December 2015.

(c) The expiry date of GELs 523, 524 and 525 is now determined to be 3 June 2016.

Dated: 27 July 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
NOTICE is hereby given that I have accepted surrender of the abovementioned Petroleum Exploration Licence 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>Date of Surrender</th>
<th>Area in km²</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL 219</td>
<td>Syngas Limited</td>
<td>26 May 2010</td>
<td>191</td>
<td>27/02/369</td>
</tr>
</tbody>
</table>

Description of Area—PEL 219

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

Commencing at a point being the intersection of latitude 32°11'00"S GDA94 and longitude 139°37'00"E GDA94, thence east to longitude 139°42'00"E GDA94, south to latitude 35°18'00"S GDA94, west to longitude 139°40'00"E GDA94, south to latitude 35°19'00"S GDA94, west to longitude 139°39'00"E GDA94, south to latitude 35°19'54"S GDA94, west to longitude 139°35'04"E GDA94, south to latitude 35°21'00"S GDA94, west to longitude 139°32'05"E GDA94, north to latitude 35°16'00"S GDA94, east to longitude 139°34'40"E GDA94, north to latitude 35°15'30"S GDA94, east to longitude 139°36'00"E GDA94, north to latitude 35°12'00"S GDA94, east to longitude 139°37'00"E GDA94 and north to point of commencement.

Area: 191 square kilometres approximately.

Dated 2 June 2010.

B. A. GOLDSTEIN,
Director Petroleum and Geothermal
Minerals and Energy Resources
Primary Industries and Resources SA
Deleg9ate 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 4 June 2010, 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>Expiry</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEL 523</td>
<td>Earth Heat Australia Pty Ltd</td>
<td>Adjacent Spencer Gulf, South Australia</td>
<td>3 June 2015</td>
<td>F2010/000142</td>
</tr>
<tr>
<td>GEL 524</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEL 525</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Description of Area—GEL 523

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

Commencing at a point being the intersection of latitude 32°09'00"S GDA94 and longitude 138°17'00"E GDA94, thence east to longitude 138°40'00"E GDA94, south to latitude 32°02'00"S GDA94, west to longitude 138°39'00"E GDA94, south to latitude 32°09'00"S GDA94, west to longitude 138°37'00"E GDA94, south to latitude 32°11'00"S GDA94, west to longitude 138°34'00"E GDA94, south to latitude 32°16'00"S GDA94, east to longitude 138°42'00"E GDA94, south to latitude 32°17'00"S GDA94, west to longitude 138°38'00"E GDA94, south to latitude 32°22'00"S GDA94, east to longitude 138°42'00"E GDA94, north to latitude 32°21'00"S GDA94, east to longitude 138°43'00"E GDA94, north to latitude 32°19'00"S GDA94, east to longitude 138°49'00"E GDA94, south to latitude 32°30'00"S GDA94, west to longitude 138°20'00"E GDA94, north to latitude 32°29'00"S GDA94, west to longitude 138°19'00"E GDA94, north to latitude 32°17'00"S GDA94, west to longitude 138°18'00"E GDA94, north to latitude 32°04'00"S GDA94, west to longitude 138°17'00"E GDA94 and north to the point of commencement.

Area: 2 064 km² approximately.

Description of Area—GEL 524

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

Commencing at a point being the intersection of latitude 32°30'00"S GDA94 and longitude 138°20'00"E GDA94, thence east to longitude 138°49'00"E GDA94, south to latitude 32°38'00"S GDA94, east to longitude 138°57'00"E GDA94, south to latitude 32°56'00"S GDA94, east to longitude 139°13'00"E GDA94, south to latitude 32°58'00"S GDA94, east to longitude 139°21'00"E GDA94, south to latitude 32°59'00"S GDA94, west to longitude 138°46'00"E GDA94, north to latitude 32°56'00"S GDA94, west to longitude 138°25'00"E GDA94, north to latitude 32°55'00"S GDA94, west to longitude 138°23'00"E GDA94, north to latitude 32°55'00"S GDA94, west to longitude 138°22'00"E GDA94, north to latitude 32°34'00"S GDA94, west to longitude 138°21'00"E GDA94, north to latitude 32°31'00"S GDA94, west to longitude 138°20'00"E GDA94 and north to the point of commencement, but excluding Black Rock Conservation Park.

Area: 2 646 km² approximately.

Description of Area—GEL 525

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

Commencing at a point being the intersection of latitude 32°59'00"S GDA94 and longitude 138°46'00"E GDA94, thence east to longitude 139°35'00"E GDA94, south to latitude 33°20'00"S GDA94, west to longitude 138°46'00"E GDA94 and north to the point of commencement, but excluding Pandappa Conservation Park.

Area: 2 947 km² approximately.

Dated 4 June 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 523, 524 and 525

1. These Licences granted to Earth Heat Australia Pty Ltd on 4 June 2010 are hereby entered on the public register.

2. Interest in the licences are:

   Earth Heat Australia Pty 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: 4 June 2010

File: F2010/000142
PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

GEOTHERMAL EXPLORATION LICENCE

GEL 524

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:

Earth Heat Australia Pty Ltd
ACN 126 917 459

(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 3 June 2015 but carrying the right of renewal under the Petroleum and Geothermal Energy 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>
</table>
| One                    | - Geological and geophysical studies.  
|                        | Year 1 work program to be conducted anywhere within the boundaries of GELs 523, 524 and 525 |
| Two                    | - Geological and geophysical studies.  
|                        | Year 2 work program to be conducted anywhere within the boundaries of GELs 523, 524 and 525 |
| Three                  | - Data acquisition MT survey up to 150 station; and  
|                        | - Geological and geophysical studies.  
|                        | Year 3 work program to be conducted anywhere within the boundaries of GELs 523, 524 and 525 |
| Four                   | - Geological and geophysical studies.  
|                        | Year 4 work program to be conducted anywhere within the boundaries of GELs 523, 524 and 525 |
| Five                   | - 2 fully cored stratigraphic drill holes up to a depth of 250m each; and  
|                        | - Geological and geophysical studies.  
|                        | Year 5 work program to be conducted anywhere within the boundaries of GELs 523, 524 and 525 |
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 and Geothermal Energy Act 2000, that the report also includes an assessment of the potential economic consequences for other licensees under the Petroleum and Geothermal Energy 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 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.

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: 4 June 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
Signed by the said LICENSEE

Date: 22/5/10

[Signature]

Authorised Representative

TOM SYMINGTON MARSHALL

Name

MANAGING DIRECTOR

Position

EARTH HEAT / FALL RIVER RESOURCES

Company
GEOTHERMAL EXPLORATION LICENCE

GEL 524

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 32°30'00"S GDA94 and longitude 138°20'00"E GDA94, thence east to longitude 138°49'00"E GDA94, south to latitude 32°38'00"S GDA94, east to longitude 138°57'00"E GDA94, south to latitude 32°56'00"S GDA94, east to longitude 139°13'00"E GDA94, south to latitude 32°58'00"S GDA94, east to longitude 139°21'00"E GDA94, south to latitude 32°59'00"S GDA94, west to longitude 138°46'00"E GDA94, north to latitude 32°56'00"S GDA94, west to longitude 138°25'00"E GDA94, north to latitude 32°55'00"S GDA94, west to longitude 138°23'00"E GDA94, north to latitude 32°35'00"S GDA94, west to longitude 138°22'00"E GDA94, north to latitude 32°34'00"S GDA94, west to longitude 138°21'00"E GDA94, north to latitude 32°31'00"S GDA94, west to longitude 138°20'00"E GDA94, and north to the point of commencement, but excluding Black Rock Conservation Park.

AREA: 2,646 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 HEREBEFOREREFERRED TO

GEOTHERMAL EXPLORATION LICENCE NO:  524

F2010/000142  AREA:  2646 sq km (approx)