

**INDEX OF DOCUMENTS HELD ON THE PUBLIC REGISTER FOR  
GEOTHERMAL EXPLORATION LICENCE GEL 576**

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1. 17 January 2012      Geothermal Exploration Licence GEL 576 granted  
  
                                 Interests:  
  
                                 Near Surface Geothermal Energy Pty Ltd      100%  
  
                                 Expiry Date: 16 January 2017
2. 17 January 2012      Memorandum entering the grant of GEL 576 on the public register.
3. 27 January 2012      Gazettal of grant of licence.
4. 15 March 2013      Surrender of licence with effect from 19 April 2012.
5. 15 March 2013      Memorandum entering surrender of licence on the public register.
6. 21 March 2013      Gazettal of surrender of licence.

## PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

*Surrender of Geothermal Exploration Licences—GELs 321 and 576*

NOTICE is hereby given that I have accepted the surrender of the below-mentioned geothermal exploration licences under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 21 March 2012.

No. of Licence	Licensee	Date of Surrender	Reference
GEL 321	Near Surface Geothermal Energy Pty Ltd	19 April 2012	27/2/490
GEL 576	Near Surface Geothermal Energy Pty Ltd	19 April 2012	F2011/596

Dated 15 March 2013.

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

**WATER MAINS AND SEWERS**

Office of the South Australian Water Corporation  
Adelaide, 21 March 2013

**WATER MAINS LAID**

Notice is hereby given that the following main pipes or parts of main pipes have been laid down by the South Australian Water Corporation in or near the undermentioned water districts and are now available for a constant supply of water to adjacent land.

**ADELAIDE WATER DISTRICT**

THE BAROSSA COUNCIL  
Across Calton Road, Gawler East. p39 and 40

CAMPBELLTOWN CITY COUNCIL  
Cortlyne Road, Rostrevor. p13 and 14  
In and across Ellerslie Drive, Rostrevor. p13 and 14  
Medway Crescent, Rostrevor. p13 and 14

**TOWN OF GAWLER**

In and across Easton Drive, Gawler East. p39 and 40  
In and across Burford Street, Gawler East. p39 and 40  
Easements in lot 7004 in LTRO DP 89230, Campbell Circuit, Gawler East. p39 and 40  
Campbell Circuit, Gawler East. p39 and 40  
In and across Hartley Walk, Gawler East. p39 and 40  
In and across Riggs Lane, Gawler East. p39 and 40  
Easement in lot 7001 in LTRO DP 89229, Hartley Walk, Gawler East. p39 and 40  
In and across Treleaven Way, Gawler East. p39 and 40  
Swan Place, Gawler East. p39 and 40  
Easements in lot 5601 in LTRO DP 89223, Calton Road, Gawler East. p39 and 40

**CITY OF MITCHAM**

Gowrie Street, Torrens Park. p21 and 22  
Tennant Street, Torrens Park. p21 and 22  
Across Belair Road, Torrens Park. p21 and 22

**CITY OF ONKAPARINGA**

Castle Street, Old Noarlunga. p18

**CITY OF PLAYFORD**

Across Broadmeadows Road, Elizabeth North. p38  
Rosewood Avenue, Elizabeth North. p38  
Easements in lot 1001 in LTRO DP 91035, Old Sarum Road, Elizabeth North. p38  
Across Old Sarum Road, Elizabeth North. p38

**CITY OF SALISBURY**

Baradine Drive, Ingle Farm. p1  
Across and in Derrilin Road, Ingle Farm. p1  
In and across Beovich Road, Ingle Farm. p1 and 2  
Roopena Street, Ingle Farm. p1  
Binnowie Street, Ingle Farm. p2  
Halidon Street, Ingle Farm. p2

**CITY OF TEA TREE GULLY**

Across Walford Court, Salisbury Heights. p37  
Easements in lots 11 and 10 in LTRO DP 21299 and lot 2 in LTRO DP 11265, Walford Court, Salisbury Heights. p37

**CITY OF UNLEY**

In and across East Avenue, Black Forest and Millswood. p3 and 4  
Meredyth Avenue, Millswood. p3 and 4  
Fairfax Avenue, Millswood. p3 and 4  
Marion Street, Unley. p16 and 17  
Cambridge Terrace, Unley. p16 and 17  
Duthy Street, Unley. p16 and 17  
Windsor Street, Unley. p16 and 17

**BRINKLEY COUNTRY LANDS WATER DISTRICT****THE RURAL CITY OF MURRAY BRIDGE**

Across Princes Highway, Monarto South and Monarto. p25 and 26  
In and across Government road west of section 524, hundred of Mobilong, lot 2 and 1 in LTRO FP 15104, Monarto and Rocky Gully. p25-27 and 31-33  
Easements in sections 524 and 1272, hundred of Mobilong, Rocky Gully. p25, 27 and 28  
Easements in section 44, hundred of Monarto, lot 4 in LTRO FP 128972 and section 255, hundred of Monarto, Monarto. p25 and 28-31  
Easements in lot 3 in LTRO FP 128971 and section 245, hundred of Monarto, Monarto. p25 and 33-36  
Across and in Monarto Road, Monarto. p25, 35 and 36

**KADINA WATER DISTRICT**

DISTRICT COUNCIL OF COPPER COAST  
Doswell Terrace, Kadina. p19

**TOWNSHIP OF LOXTON WATER DISTRICT****DISTRICT COUNCIL OF LOXTON WAIKERIE**

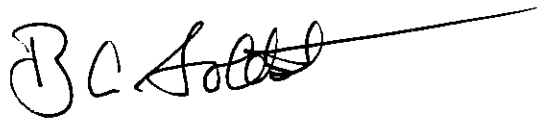
Kokoda Terrace, Loxton. p7  
Coral Street, Loxton. p7 and 8  
Pine Avenue, Loxton. p8

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

**MEMORANDUM**

**GEOHERMAL EXPLORATION LICENCES  
GEL 321 and GEL 576**

Surrender of the abovementioned Geothermal Exploration Licences with effect from 19 April 2012 is hereby entered on the public register.

A handwritten signature in black ink, appearing to read 'B A Goldstein', with a long horizontal line extending to the right.

**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: 15 March 2013

Ref: 27/2/490F2012/000804

***Petroleum and Geothermal Energy Act 2000***

**SURRENDER OF  
GEOTHERMAL EXPLORATION LICENCES  
GEL 321 and GEL 576**

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 21 March 2012 –

- a) hereby accept the surrender of Geothermal Exploration Licence GEL 321 in the name of Near Surface Geothermal Energy Pty Limited with effect from 19 April 2012;
- b) hereby accept the surrender of Geothermal Exploration Licence GEL 576 in the name of Near Surface Geothermal Energy Pty Limited with effect from 19 April 2012.

Dated: 15 March 2013



**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

*Grant of Associated Activities Licence—AAL 171**(Adjunct to Petroleum Exploration Licence PEL 92)*

NOTICE is hereby given that the undermentioned Associated Activities Licence has been granted under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 1 October 2009.

No. of Licence	Licensees	Locality	Reference
AAL 171	Beach Energy Limited Cooper Basin Limited	Cooper Basin	F2011/000754

*Description of Application Area*

All that part of the State of South Australia, bounded by a line joining points of co-ordinates set out in the following tables:

327493mE, 6938820mN  
336066mE, 6938820mN  
336090mE, 6923350mN  
335906mE, 6923350mN  
335697mE, 6938689mN  
327513mE, 6938645mN  
327493mE, 6938820mN

All co-ordinates are in MGA Z54, GDA94.

Area: 5.54 km<sup>2</sup> approximately.

Dated 17 January 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

*Grant of Geothermal Exploration Licence—GEL 576*

NOTICE is hereby given that the undermentioned Geothermal Exploration Licence has been granted 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 Expiry
GEL 576	Near Surface Geothermal Energy Pty Ltd	West of Leigh Creek	16 January 2017

*Description of Area—GEL 576*

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

Commencing at a point being the intersection of latitude 30°22'00"S GDA94 and longitude 138°05'00"E GDA94, thence east to longitude 138°19'00"E GDA94, south to latitude 30°37'32"S GDA94, west to longitude 138°05'00"E GDA94 and north to point of commencement.

Area: 644 km<sup>2</sup> approximately.

Dated 17 January 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 LICENCE**  
**GEL 576**

1. This Licence granted with effect from 17 January 2012 is hereby entered on the public register.

2. Interests in the Licence are:

Near Surface Geothermal Energy Pty Limited	100%
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**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**

Dated: 17 January 2012

Ref: F2011/000596

# **Petroleum and Geothermal Energy Act 2000**

## **GEOHERMAL EXPLORATION LICENCE**

### **GEL 576**

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, HEREBY GRANT to:

**Near Surface Geothermal Energy Pty Limited**  
ACN 125 590 347

(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 *16 JANUARY 2017* but carrying the right of two further renewal terms subject to the provisions 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:-

<b>Year of Term of Licence</b>	<b>Minimum Work Requirements</b>
<b>One</b>	<ul style="list-style-type: none"><li>• Geological and geophysical studies.</li></ul>
<b>Two</b>	<ul style="list-style-type: none"><li>• Geological and geophysical studies.</li></ul>
<b>Three</b>	<ul style="list-style-type: none"><li>• Geological and geophysical studies.</li></ul>
<b>Four</b>	<ul style="list-style-type: none"><li>• Drill pilot hole to a depth of 1500m; and</li><li>• Geological and geophysical studies.</li></ul>
<b>Five</b>	<ul style="list-style-type: none"><li>• Drilling of 1 or 2 wells to a depth of 1500m.</li></ul>

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, 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"). 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,
  - 3.1 Interest will not be payable by the Minister to the Licensee on any cash Security.
  - 3.2 All charges incurred by the Licensee in obtaining and maintaining the Security shall be met by the Licensee.
  - 3.3 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.
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, or 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 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.



7. 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.
8. 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.
9. 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: ..... 17 January 2012 .....



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**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**

**Signed by the said LICENSEE**

Date: 19 December 2011

  
.....  
Authorised Representative

GRANT A MACKENZIE  
.....  
Name

MANAGING DIRECTOR  
.....  
Position

NEAR SURFACE GEOTHERMAL ENERGY PTY LTD.  
.....  
Company

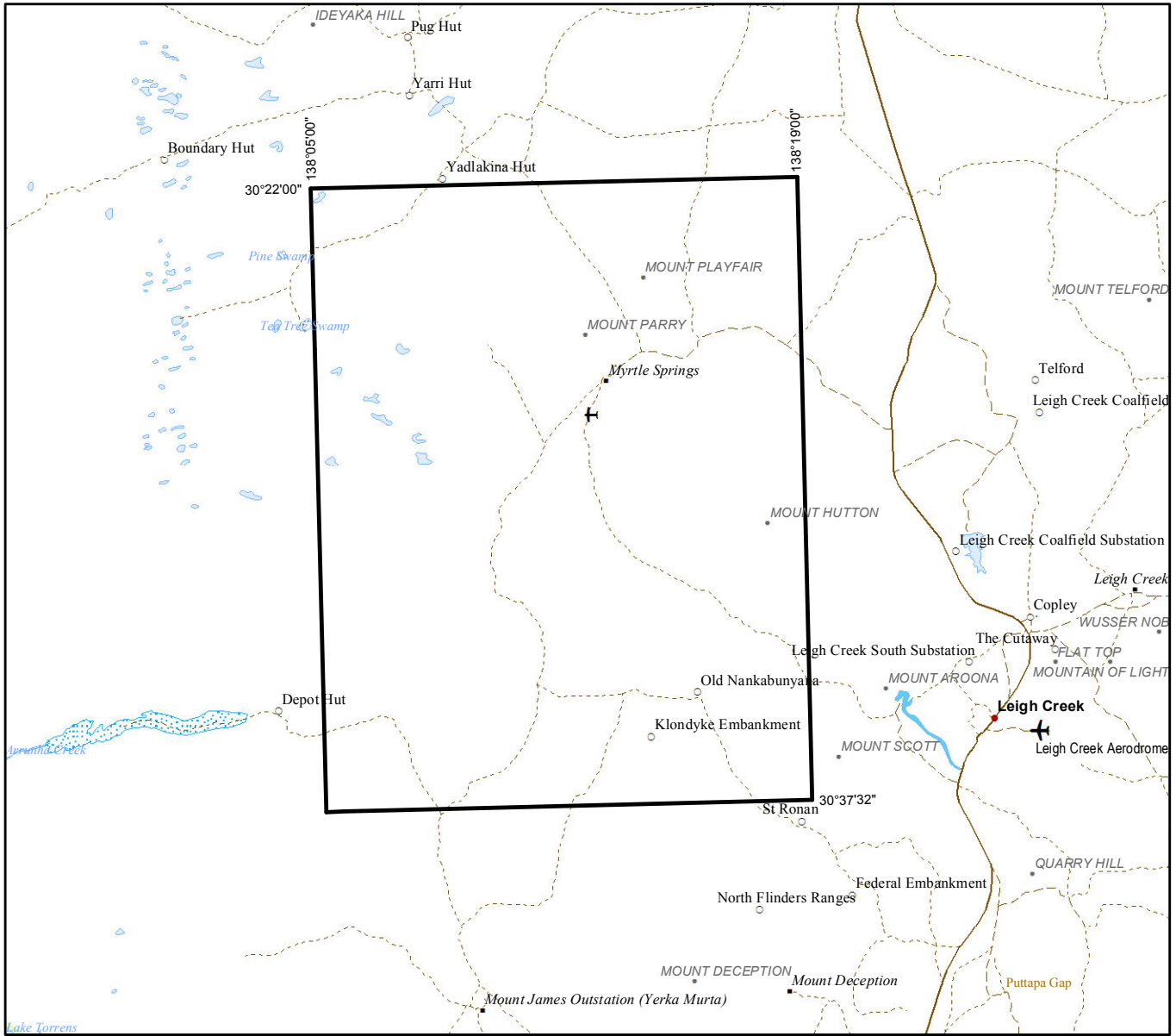
**THE SCHEDULE**  
**GEOHERMAL EXPLORATION LICENCE**  
**GEL 576**

**Description of Area**

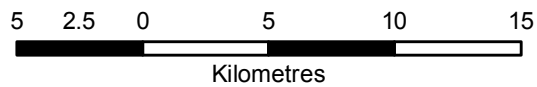
All that part of the State of South Australia, bounded as follows:-

Commencing at a point being the intersection of latitude 30°22'00"S GDA94 and longitude 138°05'00"E GDA94, thence east to longitude 138°19'00"E GDA94, south to latitude 30°37'32"S GDA94, west to longitude 138°05'00"E GDA94, and north to point of commencement.

AREA: 644 square kilometres approximately.



SCALE 1:300 000



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: 576**



Government of South Australia  
 Primary Industries and Resources SA

**F2011/000596**

**AREA: 644 sq km (approx)**