

PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

Surrender of Geothermal Exploration Licence—GEL 603

NOTICE is hereby given that I have accepted the surrender of the undermentioned Geothermal Exploration Licence 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 603	MNGI Pty Ltd	1 May 2014	F2011/000768

Dated 21 August 2014.

B. A. GOLDSTEIN,
Executive Director,
Energy Resources Division,
Department of State Development,
Delegate of the Minister for Mineral Resources and Energy

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

GEOHERMAL EXPLORATION LICENCE
GEL 603

Surrender of the abovementioned Geothermal Exploration Licence with effect from 1 May 2014 is hereby entered on the public register.



BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of State Development
Delegate of the Minister for Mineral Resources and Energy

Date: 21 August 2014

Ref: F2011/000768

Petroleum and Geothermal Energy Act 2000

**SURRENDER OF
GEOTHERMAL EXPLORATION LICENCE
GEL 603**

I, BARRY ALAN GOLDSTEIN, Executive Director, Energy Resources Division, Department of State Development, 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 603 in the name of MNGI Pty Ltd with effect from 1 May 2014.

Dated: 21 August 2014



**BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of State Development
Delegate of the Minister for Mineral Resources and Energy**

PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

Grant of Geothermal Exploration Licence—GEL 603

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 21 March 2012.

No of Licence	Licensee	Locality	Expiry
GEL 603	MNGI Pty Ltd	Mid-north	1 May 2017

Description of Area

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

Commencing at a point being the intersection of latitude 29°25'00"S GDA94 and longitude 139°44'00"E GDA94, thence east to longitude 140°00'00"E GDA94, south to latitude 29°46'00"S GDA94, west to longitude 139°58'00"E GDA94, south to latitude 30°03'00"S GDA94, west to longitude 139°53'00"E GDA94, north to latitude 30°00'00"S GDA94, west to longitude 139°38'00"E GDA94, north to latitude 29°56'00"S GDA94, west to longitude 139°24'00"E GDA94, north to latitude 29°41'00"S GDA94, east to longitude 139°44'00"E GDA94, and north to the point of commencement.

Area: 2593 km² approximately.

Dated 2 May 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 603

1. This Licence granted with effect from 2 May 2012 is hereby entered on the public register.
2. Interests in the Licence are:

MNGI Pty Ltd	100%
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3. Notation of receipt of security in the form of a Bank Guarantee dated 24 January 2005 is hereby entered on the public register.
4. Security is held to cover any event occurring in any licence operated by MNGI Pty Ltd in South Australia.



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: 2 May 2012

Ref: F2011/000768

Petroleum and Geothermal Energy Act 2000

GEOHERMAL EXPLORATION LICENCE

GEL 603

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:

MNGI Pty Ltd
ACN 091 525 361

(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 *1 May 2017* but carrying the right of two further renewal terms subject to the provisions under the *Petroleum and Geothermal Energy Act 2000*.

BAG
2 May 2012
DESCRIPTION OF AREA

The land comprised in this licence is that part of the State of South Australia described in the Schedule hereto:

CONDITIONS

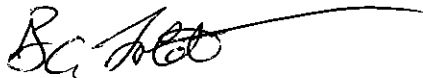
1. During the term of the licence, the Licensee shall carry out or cause to be carried out, exploratory operations on the area comprised in the licence in accordance with such work programs as are approved by the Minister from time to time. Year one exploratory operations are guaranteed, and any subsequent licence year work program becomes guaranteed upon entry into any such licence year. These exploratory operations shall include but not necessarily be limited to:-

Year of Term of Licence	Minimum Work Requirements
One	<ul style="list-style-type: none">• Geological and geophysical studies.
Two	<ul style="list-style-type: none">• Geological and geophysical studies.
Three	<ul style="list-style-type: none">• Drill and complete one gradient test hole.
Four	<ul style="list-style-type: none">• Geological and geophysical studies.
Five	<ul style="list-style-type: none">• Drill and complete one geothermal test hole.

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: 2 May 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: 13/4/12



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Authorised Representative

Peter Reid

.....
Name

Exploration Manager

.....
Position

Petroleum Ltd.

.....
Company

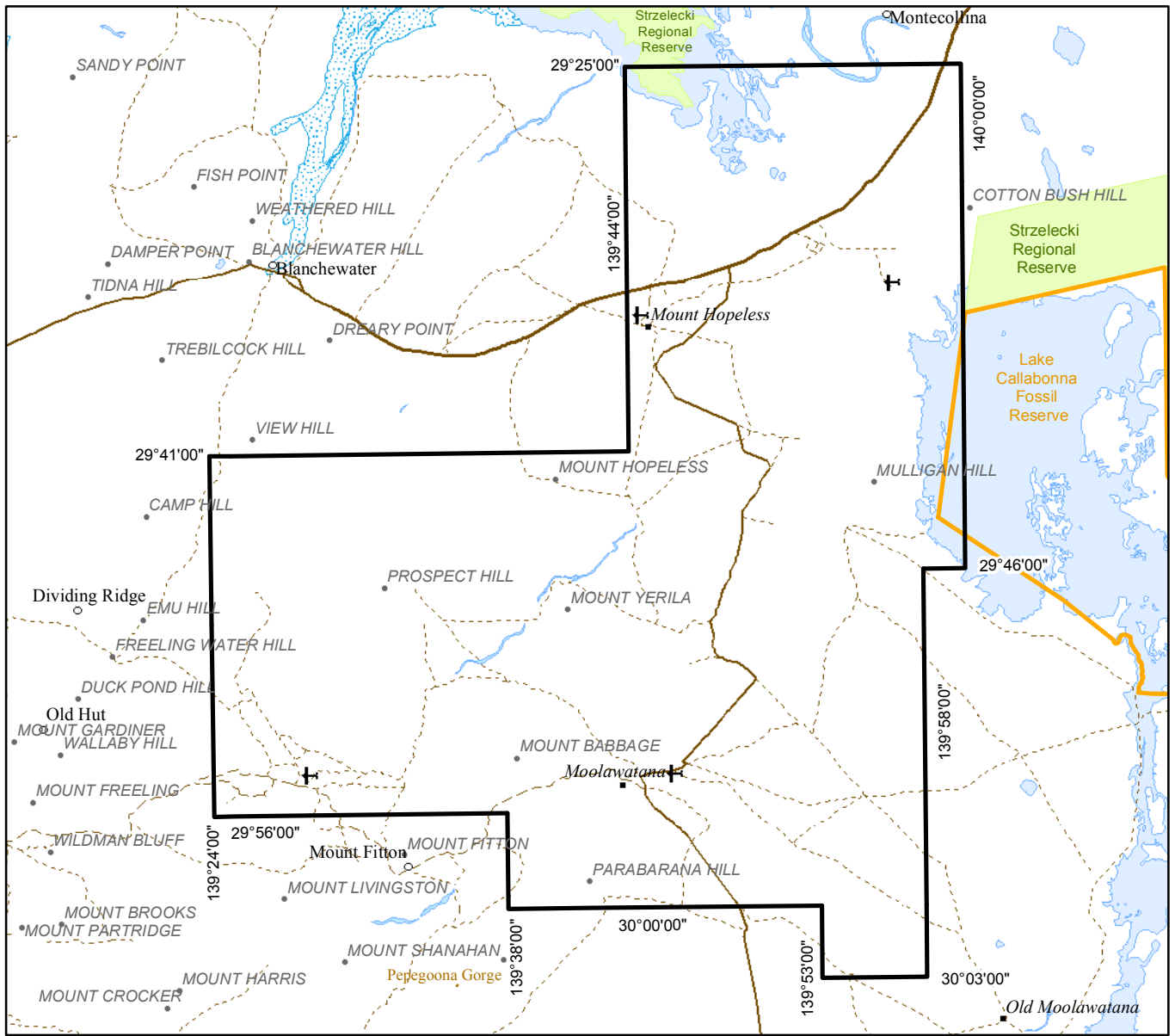
THE SCHEDULE
GEOHERMAL EXPLORATION LICENCE
GEL 603

Description of Area

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

Commencing at a point being the intersection of latitude 29°25'00"S GDA94 and longitude 139°44'00"E GDA94, thence east to longitude 140°00'00"E GDA94, south to latitude 29°46'00"S GDA94, west to longitude 139°58'00"E GDA94, south to latitude 30°03'00"S GDA94, west to longitude 139°53'00"E GDA94, north to latitude 30°00'00"S GDA94, west to longitude 139°38'00"E GDA94, north to latitude 29°56'00"S GDA94, west to longitude 139°24'00"E GDA94, north to latitude 29°41'00"S GDA94, east to longitude 139°44'00"E GDA94, and north to the point of commencement.

AREA: **2593** 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 HEREINBEFORE REFERRED TO
GEOTHERMAL EXPLORATION LICENCE NO: 603



Government of South Australia
 Primary Industries and Resources SA

F2011/000768

AREA: 2593 sq km (approx)