

**INDEX OF DOCUMENTS HELD ON THE PUBLIC REGISTER FOR  
GEOTHERMAL EXPLORATION LICENCE GEL 316**

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1. 2 June 2008                      Geothermal Exploration Licence GEL 316 granted  
Interests:      Clean Energy Australasia Pty Ltd 100%  
Expiry Date: 1 June 2013
2. 2 June 2008                      Memorandum entering GEL 316 on the public register
3. 5 June 2008                      Gazettal of Grant of Licence
4. 12 June 2008                     Gazettal of Corrigendum of Grant of Licence
5. 28 May 2010                     Variation of licence conditions
6. 28 May 2010                     Memorandum entering variation of licence conditions on the public register.
7. 30 May 2011                     Suspension of licence for the period from and including 1 June 2011 to 31 May 2012.  
  
New expiry date of GEL 316 is 2 June 2014.
8. 30 May 2011                     Memorandum entering suspension of licence on the public register.
9. 2 June 2011                      Gazettal of suspension.
10. 5 July 2011                      Consolidation of licence area with GELs 323 and 324.  
  
The total area of GEL 316 is now 1,492 km<sup>2</sup> approximately.
11. 5 July 2011                     Memorandum entering consolidation of licence area on the public register.
12. 11 May 2012                    Suspension of licence for the period from and including 1 June 2012 to 31 May 2013.  
  
New expiry date of GEL 316 is 2 June 2015.
13. 11 May 2012                    Memorandum entering suspension of licence on the public register.
14. 17 May 2012                    Gazettal of suspension.
15. 24 May 2013                    Suspension of licence for the period from and including 1 June 2013 to 31 May 2014.

New expiry date of GEL 316 is 1 June 2016.

16. 24 May 2013 Memorandum entering suspension of licence on the public register.
17. 30 May 2013 Gazettal of suspension.
18. 14 May 2014 Suspension of licence for the period from and including 1 June 2014 and 31 May 2015.  
  
New expiry date of GEL 316 is 1 June 2017.
19. 14 May 2014 Memorandum entering suspension of licence on the public register.
20. 22 May 2014 Gazettal of suspension.
21. 11 May 2015 Surrender of licence with effect from 11 May 2015.
22. 11 May 2015 Memorandum entering surrender of licence on the public register.
23. 14 May 2015 Gazettal of surrender of licence.

## PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

*Surrender of Geothermal Exploration Licences—GELs 267, 269, 273, 316, 317 and 320*

NOTICE is hereby given that I have accepted surrender of the abovementioned 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 267	Clean Energy Australasia Pty Ltd	11 May 2015	F2011/288
GEL 269	Clean Energy Australasia Pty Ltd	11 May 2015	F2011/286
GEL 273	Clean Energy Australasia Pty Ltd	11 May 2015	F2011/287
GEL 316	Clean Energy Australasia Pty Ltd	11 May 2015	F2011/291
GEL 317	Clean Energy Australasia Pty Ltd	11 May 2015	F2011/289
GEL 320	Clean Energy Australasia Pty Ltd	11 May 2015	F2011/290

Dated 11 May 2015.

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 LICENCES**  
**GELs 267, 269, 273, 316, 317 and 320**

Surrender of the abovementioned Geothermal Exploration Licences with effect from 11 May 2015 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: 11 May 2015

Ref: F2011/000286  
F2011/000287  
F2011/000288  
F2011/000289  
F2011/000290  
F2011/000291

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

**SURRENDER OF  
GEOTHERMAL EXPLORATION LICENCES  
GELs 267, 269, 273, 316, 317 and 320**

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 Licences GELs 267, 269, 273, 316, 317 and 320 in the name of Clean Energy Australasia Pty Ltd with effect from 11 May 2015.

Dated: 11 May 2015



**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

*Suspension of Geothermal Exploration Licences—  
GELs 316, 317 and 320*

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 for the period from and including 1 June 2014 to 31 May 2015, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 21 March 2012.

The expiry date of GELs 316, 317 and 320 is now determined to be 1 June 2017.

Dated 14 May 2014.

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 LICENCES**  
**GELs 267, 269, 273, 316, 317 and 320**

1. Suspension of licences 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: 14 May 2014

Files: F2011/000286  
F2011/000287  
F2011/000288  
F2011/000289  
F2011/000290  
F2011/000291

***Petroleum and Geothermal Energy Act 2000***  
**S.90**

**SUSPENSION OF  
GEOTHERMAL EXPLORATION LICENCES  
GELs 267, 269, 273, 316, 317 and 320**

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 21 March 2012 hereby -

- (a) suspend geothermal exploration licences GELs 267, 269 and 273, for the period from and including 3 June 2014 to 2 June 2015.
  - (b) suspend geothermal exploration licences GELs 316, 317 and 320, for the period from and including 1 June 2014 and 31 May 2015.
1. No regulated activities are permitted to be carried out during this period of suspension.
  2. The expiry date of GELs 267, 269 and 273 is now determined to be 22 May 2017.
  3. The expiry date of GELs 316, 317 and 320 is now determined to be 1 June 2017.

Dated: 14 May 2014



**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

*Suspension of Geothermal Exploration Licences—  
GELs 316, 317 and 320*

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 for the period from and including 1 June 2013 until 31 May 2014, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 21 March 2012.

The expiry date of GELs 316, 317 and 320 is now determined to be 1 June 2016.

Dated 24 May 2013.

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

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

**MEMORANDUM**

**GEOHERMAL EXPLORATION LICENCES**  
**GELs 267, 269, 273, 316, 317 and 320**

1. Suspension of licences dated 24 May 2013 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: 24 May 2013

Ref: F2011/286      F2011/287  
      F2011/288      F2011/289  
      F2011/290      F2011/291

**Petroleum and Geothermal Energy Act 2000**  
**S.90**

**SUSPENSION OF  
GEOTHERMAL EXPLORATION LICENCES  
GELs 267, 269, 273, 316, 317 and 320**

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 21 March 2012 hereby -

- (a) suspend geothermal exploration licences GELs 267, 269 and 273 for the period from and including 3 June 2013 to 2 June 2014.
  - (b) suspend geothermal exploration licences GELs 316, 317 and 320 for the period from and including 1 June 2013 to 31 May 2014.
1. No regulated activities are permitted to be carried out during the period of the suspension.
  2. The expiry date of GELs 267, 269 and 273 is now determined to be 22 May 2016.
  3. The expiry date of GELs 316, 317 and 320 is now determined to be 1 June 2016.

Dated: 24 May 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**

The expiry date of GELs 267, 269 and 273 is now determined to be 23 May 2015.

Dated 11 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

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PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

*Suspension of Geothermal Exploration Licences—  
GELs 316, 317 and 320*

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 for the period from and including 1 June 2012 until 31 May 2013, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 21 March 2012.

The expiry date of GELs 316, 317 and 320 is now determined to be 2 June 2015.

Dated 11 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

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PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

*Application for the Renewal of  
Associated Activities Licence—AAL 151*

PURSUANT to Section 65 (6) of the Petroleum and Geothermal Energy Act 2000 (the Act) and Delegation dated 21 March 2012, notice is hereby given that an application for the renewal of Associated Activities Licence within the area described below has been received from:

Victoria Oil Exploration (1977) Pty Ltd  
Permian Oil Pty Ltd  
Springfield Oil and Gas Pty Ltd  
Impress (Cooper Basin) Pty Ltd

The renewal application will be determined on or after 14 June 2012.

*Description of Application Area*

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

A 50 m buffer around line segments defined by the following pairs of co-ordinates and adjacent to Petroleum Exploration Licence No. 111.

MGA Zone 54

373594mE	6963872mN
373587mE	6963887mN
373569mE	6963911mN
373547mE	6963937mN
373533mE	6963958mN
373513mE	6963992mN
373493mE	6964031mN
373477mE	6964069mN
373469mE	6964115mN

373467mE	6964123mN
373455mE	6964174mN
373462mE	6964198mN
373481mE	6964215mN
373504mE	6964253mN
373506mE	6964257mN
373522mE	6964268mN
373568mE	6964297mN
373606mE	6964331mN
373627mE	6964357mN
373634mE	6964369mN
373641mE	6964420mN
373637mE	6964454mN
373623mE	6964498mN
373570mE	6964586mN
373531mE	6964661mN
373492mE	6964755mN
373452mE	6964852mN
373436mE	6964882mN
373434mE	6964885mN

Area: 0.125 km<sup>2</sup> approximately.

Dated 11 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

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PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

*Application for the Renewal of  
Associated Activities Licence—AAL 169*

PURSUANT to Section 65(6) of the Petroleum and Geothermal Energy Act 2000 (the Act) and Delegation dated 21 March 2012, notice is hereby given that an application for the renewal of Associated Activities Licence within the area described below has been received from:

Victoria Oil Exploration (1977) Pty Ltd  
Permian Oil Pty Ltd  
Springfield Oil and Gas Pty Ltd  
Impress (Cooper Basin) Pty Ltd

The renewal application will be determined on or after 14 June 2012.

*Description of Application Area*

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

Commencing at a point being the intersection of latitude 27°26'10"S AGD66 and longitude 139°42'50"E AGD66, thence east to longitude 139°43'20"E AGD66, south to latitude 27°26'22"S GDA94, west to longitude 139°42'50"E AGD66, and north to point of commencement.

Area: 0.44 km<sup>2</sup> approximately.

Dated 11 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

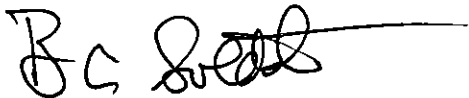
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**Petroleum and Geothermal Energy Act 2000  
S.115**

**MEMORANDUM**

**GEOHERMAL EXPLORATION LICENCES  
GELs 267, 269 and 273  
GELs 316, 317 and 320**

1. Suspension of licences dated 11 May 2012 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 May 2012

Ref: F2011/286      F2011/287  
      F2011/288      F2011/289  
      F2011/290      F2011/291

***Petroleum and Geothermal Energy Act 2000***  
**S.90**

**SUSPENSION OF  
GEOTHERMAL EXPLORATION LICENCES  
GELs 267, 269 and 273  
GELs 316, 317 and 320**

I, ELINOR ALEXANDER, Acting 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 21 March 2012 hereby -

- (a) suspend geothermal exploration licences GELs 267, 269 and 273 for the period from and including 3 June 2012 to 2 June 2013.
  - (b) suspend geothermal exploration licences GELs 316, 317 and 320 for the period from and including 1 June 2012 to 31 May 2013.
1. No regulated activities are permitted to be carried out during the period of the suspension.
  2. The expiry date of GELs 267, 269 and 273 is now determined to be 23 May 2015.
  3. The expiry date of GELs 316, 317 and 320 is now determined to be 2 June 2015.

Dated: 11 May 2012



**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***  
***S.115***

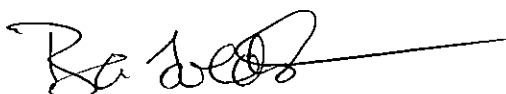
**MEMORANDUM**

**GEOHERMAL EXPLORATION LICENCES**  
**GELs 316, 323 and 324**

1. Consolidation of the adjacent licence areas of GELs 316, 323 and 324, whereby the consolidated licence area is now designated as GEL 316 is hereby entered on the public register.

The total area of GEL 316 is now 1,492 square kilometres approximately.

2. Revocation of GELs 323 and 324 is hereby entered on the public register.



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

Date: 5 July 2011

Ref: F2011/000291

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

## **Consolidation of licence areas Geothermal Exploration Licences GELs 316, 323 and 324**

## **Revocation of licences Geothermal Exploration Licences GELs 323 and 324**

I, BARRY ALAN GOLDSTEIN, Executive 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 Tom Koutsantonis, Minister for Mineral Resources Development (Minister), pursuant to delegated powers dated 1 October 2009, hereby;

1. consolidate adjacent areas of Geothermal Exploration Licences GELs 316, 323 and 324 held by –

**Clean Energy Australasia Pty Ltd**  
ACN 122 645 229

The consolidated licence area shall hereafter be designated as:

### **Geothermal Exploration Licence GEL 316**

#### **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 27°19'00"S GDA94 and longitude 140°47'00"E GDA94, thence east to longitude 140°52'00"E GDA94, south to latitude 27°22'00"S GDA94, east to longitude 140°53'00"E GDA94, south to latitude 27°23'00"S GDA94, east to the eastern border of the State of South Australia, thence southerly along the border of the said State to latitude 27°35'00"S GDA94, west to longitude 140°50'00"E GDA94, north to latitude 27°33'00"S GDA94, west to longitude 140°49'30"E GDA94, north to latitude 27°30'00"S GDA94, west to longitude 140°36'00"E GDA94, south to latitude 27°31'00"S GDA94, west to longitude 140°35'00"E GDA94, south to latitude 27°37'00"S GDA94, west to longitude 140°33'00"E GDA94, south to latitude 27°38'00"S GDA94, west to longitude 140°23'00"E GDA94, south to latitude 27°39'00"S GDA94, west to longitude 140°22'00"E GDA94, south to latitude 27°40'00"S GDA94, west to longitude 140°21'00"E GDA94, south to latitude 27°41'00"S GDA94, west to longitude 140°20'00"E GDA94, south to latitude 27°42'00"S GDA94, west to longitude 140°17'00"E GDA94, south to latitude 27°43'00"S GDA94, west to longitude 140°15'00"E GDA94, south to latitude 27°44'00"S GDA94, west to longitude 140°14'00"E GDA94, south to latitude 27°45'00"S GDA94, west to longitude 140°13'00"E GDA94, north to latitude 27°42'00"S GDA94, west to longitude 140°10'00"E GDA94, north to latitude 27°32'00"S GDA94, east to longitude 140°14'00"E GDA94, north to latitude 27°30'00"S GDA94, east to longitude 140°16'00"E GDA94, north to latitude 27°27'00"S GDA94, east to longitude 140°22'00"E GDA94, south to latitude 27°29'00"S GDA94, east to longitude 140°35'00"E GDA94, north to latitude 27°27'00"S GDA94, east to longitude 140°38'00"E GDA94, north to latitude 27°26'00"S GDA94, east to longitude 140°39'00"E GDA94, north to latitude 27°25'00"S GDA94, east to longitude 140°47'00"E GDA94 and north to the point of commencement.

AREA: **1492** square kilometres approximately.




2. consequently revoke Geothermal Exploration Licences GELs 323 and 324

As a consequence of the consolidation, the work program forming 'condition 1' of the consolidated GEL 316 comprises:

<b>Year of Term of Licence</b>	<b>Minimum Work Requirements</b>
One	<ul style="list-style-type: none"><li>• Geological and geophysical review. <i>(to be conducted anywhere within the boundaries of GELs 316-320, 322-324 and 390-392)</i></li></ul>
Two	<ul style="list-style-type: none"><li>• Geological and geophysical review. <i>(to be conducted anywhere within the boundaries of GELs 316-320, 322-324 and 390-392)</i></li></ul>
Three	<ul style="list-style-type: none"><li>• Geological and geophysical review. <i>(to be conducted anywhere within the boundaries of GELs 316-320, 322-324 and 390-392)</i></li></ul>
Four	<ul style="list-style-type: none"><li>• Geological and geophysical review. <i>(to be conducted anywhere within the boundaries of GELs 316, 317 and 320)</i></li></ul>
Five	<ul style="list-style-type: none"><li>• Drill one deep well (approximately 3,000 to 4,000m). <i>(to be conducted anywhere within the boundaries of GELs 316, 317 and 320)</i></li></ul>

Dated: 5 July 2011



**BARRY A. GOLDSTEIN**  
**Executive 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 316, 323 and 324 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 **Clean Energy Australasia Pty Ltd** by its authorised representative:

.....  
Date

17 JUNE 2011

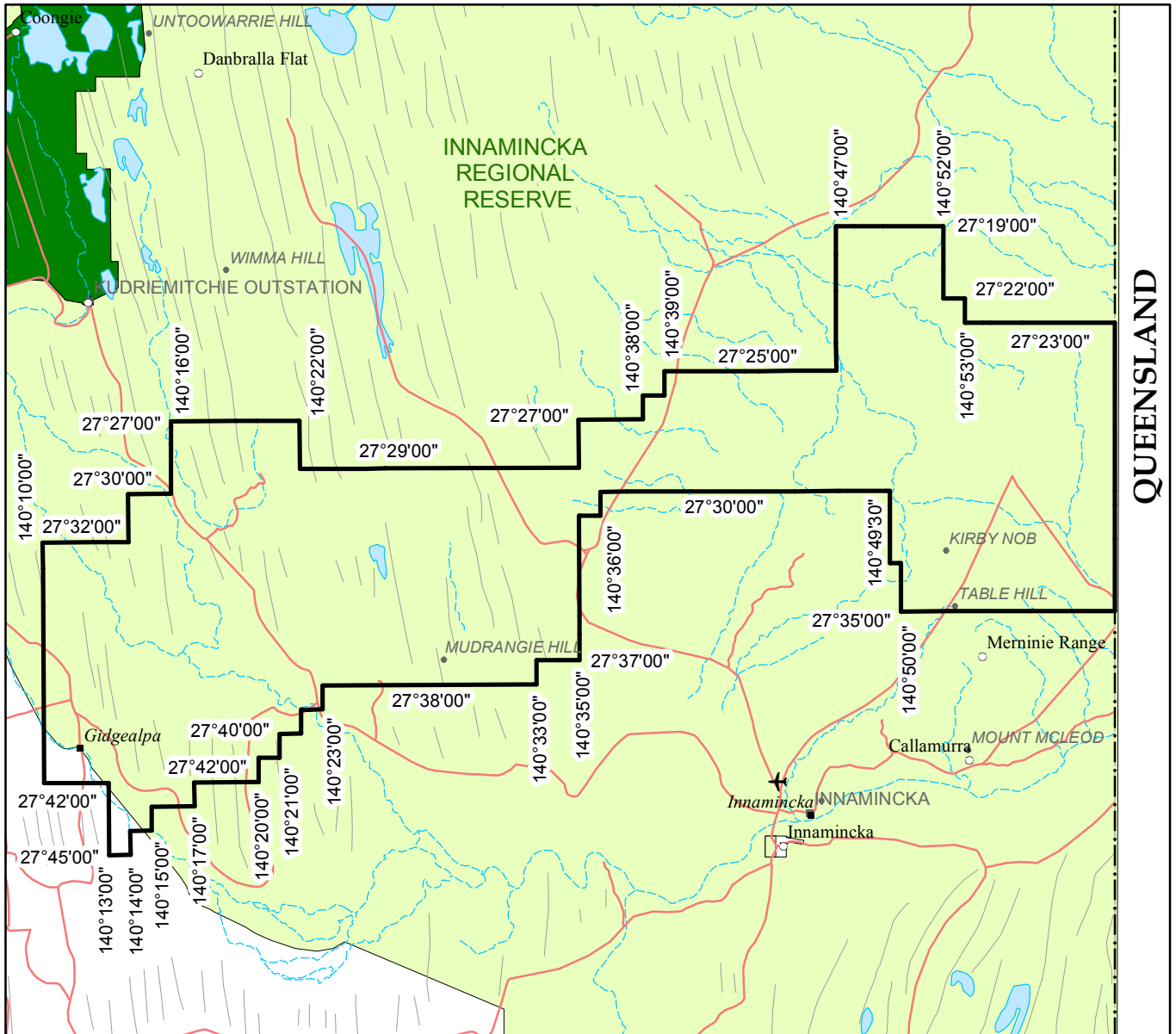
.....  
Authorised Representative

JOE REICHMAN

.....  
Name

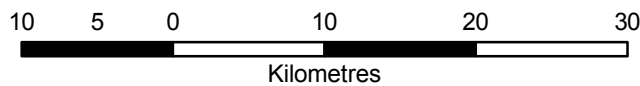
CEO

.....  
Position



QUEENSLAND

SCALE 1:500 000



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: 316



Government of South Australia  
Primary Industries and Resources SA

F2011/000291

AREA: 1492 sq km (approx)

## PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

*Suspension of Geothermal Exploration Licences—  
GELs 316, 317, 318, 319, 320, 322, 323, 324, 390, 391 and 392*

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 for the period from and including 1 June 2011 until 31 May 2012, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 1 October 2009.

The expiry date of GELs 316, 317, 318, 319, 320, 322, 323, 324, 390, 391 and 392 is now determined to be 2 June 2014.

Dated 30 May 2011.

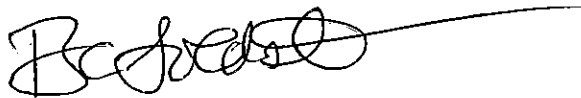
B. A. GOLDSTEIN,  
Executive Director Petroleum and Geothermal  
Minerals and Energy Resources  
Primary Industries and Resources SA  
Delegate of the Minister for Mineral  
Resources Development

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

**MEMORANDUM**

**GEOHERMAL EXPLORATION LICENCES**  
**GELs 316, 317, 318, 319, 320, 322, 323, 324, 390, 391 and 392**

1. Suspension of licences from and including 1 June 2011 to 31 May 2012 is hereby entered on the public register.
2. The expiry date of GELs 316, 317, 318, 319, 320, 322, 323, 324, 390, 391 and 392 is now determined to be 2 June 2014.



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

Date: 30 May 2011

Ref: 27/2/489  
27/2/525

***Petroleum and Geothermal Energy Act 2000***  
**S.90**

**SUSPENSION OF  
GEOHERMAL EXPLORATION LICENCES  
GELs 316, 317, 318, 319, 320, 322, 323, 324, 390, 391 and 392**

I, BARRY ALAN GOLDSTEIN, Executive 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 Tom Koutsantonis, Minister for Mineral Resources Development (Minister), pursuant to delegated powers dated 1 October 2009 hereby -

- a) suspend geothermal exploration licences GELs 316, 317, 318, 319, 320, 322, 323, 324, 390, 391 and 392, for the period from and including 1 June 2011 to 31 May 2012.
1. No regulated activities are permitted to be carried out during the period of the suspension.
  2. The expiry date of GELs 316, 317, 318, 319, 320, 322, 323, 324, 390, 391 and 392 is now determined to be 2 June 2014.

Dated: 30 May 2011



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

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

**MEMORANDUM**

**GEOHERMAL EXPLORATION LICENCES  
GELs 316, 317, 319, 320, 322, 323 and 324**

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: 28 May 2010

Ref: 27/2/489

# Petroleum and Geothermal Energy Act 2000

## VARIATION OF GEOTHERMAL EXPLORATION LICENCES GELs 316, 317, 318, 319, 320, 322, 323 and 324

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 section 25 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 vary the conditions of the above-mentioned licences, held by -

### **Clean Energy Australasia Pty Ltd**

ACN 122 645 229

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

“ 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> <i>(Years one to five work requirements may be conducted anywhere within the combined areas of GELs 316, 317, 318, 319, 320, 322, 323 and 324).</i>
<b>One</b>	<ul style="list-style-type: none"><li>• Geological and geophysical review.</li></ul>
<b>Two</b>	<ul style="list-style-type: none"><li>• Geological and geophysical review.</li></ul>
<b>Three</b>	<ul style="list-style-type: none"><li>• Geological and geophysical review.</li></ul>
<b>Four</b>	<ul style="list-style-type: none"><li>• Geological and geophysical review.</li></ul>
<b>Five</b>	<ul style="list-style-type: none"><li>• Drill 1 deep well (approximately 3,000-4,000m).</li></ul>

”

Dated: 28 May 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**



## PETROLEUM ACT 2000

## CORRIGENDUM

THE following notice replaces that published on page 1862, *Gazette* No. 29 dated 5 June 2008:

## GRANT OF GEOTHERMAL EXPLORATION LICENCES

Notice is hereby given that the undermentioned Geothermal Exploration Licences have been granted with effect from and including 2 June 2008, under the provisions of the Petroleum Act 2000, pursuant to delegated powers dated 28 March 2002, *Gazetted* 11 April 2002, page 1573.

No. of Licence	Licensee	Locality	Date of Expiry	Reference
GEL 316	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/489
GEL 317	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/489
GEL 318	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/489
GEL 319	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/489
GEL 320	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/489
GEL 322	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/489
GEL 323	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/489
GEL 324	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/525
GEL 390	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/525
GEL 391	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/525
GEL 392	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/525

*Description of Area—GEL 316*

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

Commencing at a point being the intersection of latitude 27°19'00"S GDA94 and longitude 140°47'00"E GDA94, thence east to longitude 140°52'00"E GDA94, south to latitude 27°22'00"S GDA94, east to longitude 140°53'00"E GDA94, south to latitude 27°23'00"S GDA94, east to the eastern border of the State of South Australia, thence southerly along the border of the said State to latitude 27°35'00"S GDA94, west to longitude 140°50'00"E GDA94, north to latitude 27°33'00"S GDA94, west to longitude 140°49'30"E GDA94, north to latitude 27°30'00"S GDA94, west to longitude 140°47'00"E GDA94 and north to point of commencement.

Area: 496 km<sup>2</sup> approximately.

*Description of Area—GEL 317*

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

Commencing at a point being the intersection of latitude 28°19'00"S GDA94 and longitude 140°41'00"E GDA94, thence east to longitude 140°45'00"E GDA94, south to latitude 28°30'00"S GDA94, east to longitude 140°51'00"E GDA94, north to latitude 28°20'00"S GDA94, east to longitude 140°56'00"E GDA94, south to latitude 28°25'00"S GDA94, east to longitude 140°57'00"E GDA94, south to latitude 28°26'00"S GDA94, east to the eastern border of the State of South Australia, thence southerly along the border of the said State to latitude 28°32'00"S GDA94, west to longitude 140°57'00"E GDA94, south to latitude 28°33'00"S GDA94, west to longitude 140°41'00"E GDA94 and north to point of commencement.

Area: 496 km<sup>2</sup> approximately.

*Description of Area—GEL 318*

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

Commencing at a point being the intersection of latitude 28°19'00"S GDA94 and longitude 140°33'00"E GDA94, thence east to longitude 140°41'00"E GDA94, south to latitude 28°40'00"S GDA94, west to longitude 140°35'00"E GDA94, north to latitude 28°39'00"S GDA94, west to longitude 140°34'00"E GDA94, north to latitude 28°38'00"S GDA94, west to longitude 140°33'00"E GDA94 and north to the point of commencement.

Area: 497 km<sup>2</sup> approximately.

*Description of Area—GEL 319*

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

Commencing at a point being the intersection of latitude 28°24'30"S GDA94 and longitude 140°02'00"E GDA94, thence east to longitude 140°27'00"E GDA94, south to latitude 28°28'00"S GDA94, west to longitude 140°14'00"E GDA94, south to latitude 28°32'00"S GDA94, west to longitude 140°08'00"E GDA94, south to latitude 28°33'00"S GDA94, west to longitude 139°57'00"E GDA94, north to latitude 28°31'00"S GDA94, east to longitude 139°57'30"E GDA94, north to latitude 28°28'00"S GDA94, east to longitude 140°02'00"E GDA94 and north to the point of commencement.

Area: 497 km<sup>2</sup> approximately.

*Description of Area—GEL 320*

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

Commencing at a point being the intersection of latitude 28°09'00"S GDA94 and longitude 139°47'00"E GDA94, thence east to longitude 140°02'00"E GDA94, south to latitude 28°18'00"S GDA94, west to longitude 139°52'00"E GDA94, south to latitude 28°20'00"S GDA94, west to longitude 139°46'00"E GDA94, north to latitude 28°12'00"S GDA94, east to longitude 139°47'00"E GDA94 and north to the point of commencement.

Area: 462 km<sup>2</sup> approximately.

*Description of Area—GEL 322*

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

Commencing at a point being the intersection of latitude 28°06'00"S GDA94 and longitude 139°35'00"E GDA94, thence east to longitude 139°52'00"E GDA94, south to latitude 28°09'00"S GDA94, west to longitude 139°47'00"E GDA94, south to latitude 28°12'00"S GDA94, west to longitude 139°46'00"E GDA94, south to latitude 28°20'00"S GDA94, west to longitude 139°41'00"E GDA94, north to latitude 28°17'00"S GDA94, west to longitude 139°37'00"E GDA94, north to latitude 28°16'00"S GDA94, west to longitude 139°35'00"E GDA94 and north to the point of commencement.

Area: 468 km<sup>2</sup> approximately.

*Description of Area—GEL 323*

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

Commencing at a point being the intersection of latitude 27°27'00"S GDA94 and longitude 140°16'00"E GDA94, thence east to longitude 140°22'00"E GDA94, south to latitude 27°33'00"S GDA94, east to longitude 140°23'00"E GDA94, south to latitude 27°39'00"S GDA94, west to longitude 140°22'00"E GDA94, south to latitude 27°40'00"S GDA94, west to longitude 140°21'00"E GDA94, south to latitude 27°41'00"S GDA94, west to longitude 140°20'00"E GDA94, south to latitude 27°42'00"S GDA94, west to longitude 140°17'00"E GDA94, south to latitude 27°43'00"S GDA94, west to longitude 140°15'00"E GDA94, south to latitude 27°44'00"S GDA94, west to longitude 140°14'00"E GDA94, south to latitude 27°45'00"S GDA94, west to longitude 140°13'00"E GDA94, north to latitude 27°42'00"S GDA94, west to longitude 140°10'00"E GDA94, north to latitude 27°32'00"S GDA94, east to longitude 140°14'00"E GDA94, north to latitude 27°30'00"S GDA94, east to longitude 140°16'00"E GDA94 and north to the point of commencement.

Area: 498 km<sup>2</sup> approximately.

*Description of Area—GEL 324*

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

Commencing at a point being the intersection of latitude 27°25'00"S GDA94 and longitude 140°39'00"E GDA94, thence east to longitude 140°47'00"E GDA94, south to latitude 27°30'00"S GDA94, west to longitude 140°36'00"E GDA94, south to latitude 27°31'00"S GDA94, west to longitude 140°35'00"E GDA94, south to latitude 27°37'00"S GDA94, west to longitude 140°33'00"E GDA94, south to latitude 27°38'00"S GDA94, west to longitude 140°23'00"E GDA94, north to latitude 27°33'00"S GDA94, west to longitude 140°22'00"E GDA94, north to latitude 27°29'00"S GDA94, east to longitude 140°35'00"E GDA94, north to latitude 27°27'00"S GDA94, east to longitude 140°38'00"E GDA94, north to latitude 27°26'00"S GDA94, east to longitude 140°39'00"E GDA94 and north to the point of commencement.

Area: 498 km<sup>2</sup> approximately.

*Description of Area—GEL 390*

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

Commencing at a point being the intersection of latitude 27°49'00"S GDA94 and longitude 139°16'00"E GDA94, thence east to longitude 139°30'00"E GDA94, south to latitude 27°57'00"S GDA94, west to longitude 139°25'00"E GDA94, south to latitude 28°00'00"S GDA94, west to longitude 139°18'00"E GDA94, north to latitude 27°59'00"S GDA94, west to longitude 139°13'00"E GDA94, north to latitude 27°50'00"S GDA94, east to longitude 139°16'00"E GDA94 and north to the point of commencement.

Area: 497 km<sup>2</sup> approximately.

*Description of Area—GEL 391*

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

Commencing at a point being the intersection of latitude 27°49'00"S GDA94 and longitude 139°30'00"E GDA94, thence east to longitude 139°42'00"E GDA94, south to latitude 28°00'00"S GDA94, west to longitude 139°36'00"E GDA94, south to latitude 28°05'00"S AGD66, west to longitude 139°29'00"E GDA94, north to latitude 28°03'00"S GDA94, east to longitude 139°30'00"E GDA94 and north to the point of commencement.

Area: 495 km<sup>2</sup> approximately.

*Description of Area—GEL 392*

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

Commencing at a point being the intersection of latitude 27°57'00"S GDA94 and longitude 139°25'00"E GDA94, thence east to longitude 139°30'00"E GDA94, south to latitude 28°03'00"S GDA94, west to longitude 139°29'00"E GDA94, south to latitude 28°05'00"S AGD66, west to longitude 139°25'00"E AGD66, south to latitude 28°10'00"S GDA94, west to longitude 139°13'00"E GDA94, north to latitude 27°59'00"S GDA94, east to longitude 139°18'00"E GDA94, south to latitude 28°00'00"S GDA94, east to longitude 139°25'00"E GDA94 and north to the point of commencement.

Area: 493 km<sup>2</sup> approximately.

Dated 10 June 2008.

M. MALAVAZOS, Acting Director Petroleum and Geothermal  
Minerals and Energy Resources  
Primary Industries and Resources SA  
Delegate of the Minister for Mineral Resources Development

## PETROLEUM ACT 2000

*Grant of Geothermal Exploration Licences*

NOTICE is hereby given that the undermentioned Geothermal Exploration Licences have been granted with effect from and including 24 January 2007, under the provisions of the Petroleum Act 2000, pursuant to delegated powers dated 28 March 2002, *Gazetted* 11 April 2002, page 1573.

No. of Licence	Licensee	Locality	Date of Expiry	Reference
GEL 316	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/489
GEL 317	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/489
GEL 318	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/489
GEL 319	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/489
GEL 320	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/489
GEL 322	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/489
GEL 323	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/489
GEL 324	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/525
GEL 390	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/525
GEL 391	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/525
GEL 392	Clean Energy Australasia Pty Ltd	Cooper Basin, South Australia	1 June 2013	27/2/525

*Description of Area—GEL 316*

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

Commencing at a point being the intersection of latitude 27°19'00"S GDA94 and longitude 140°47'00"E GDA94, thence east to longitude 140°52'00"E GDA94, south to latitude 27°22'00"S GDA94, east to longitude 140°53'00"E GDA94, south to latitude 27°23'00"S GDA94, east to the eastern border of the State of South Australia, thence southerly along the border of the said State to latitude 27°35'00"S GDA94, west to longitude 140°50'00"E GDA94, north to latitude 27°33'00"S GDA94, west to longitude 140°49'30"E GDA94, north to latitude 27°30'00"S GDA94, west to longitude 140°47'00"E GDA94 and north to point of commencement.

Area: 496 km<sup>2</sup> approximately.

*Description of Area—GEL 317*

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

Commencing at a point being the intersection of latitude 28°19'00"S GDA94 and longitude 140°41'00"E GDA94, thence east to longitude 140°45'00"E GDA94, south to latitude 28°30'00"S GDA94, east to longitude 140°51'00"E GDA94, north to latitude 28°20'00"S GDA94, east to longitude 140°56'00"E GDA94, south to latitude 28°25'00"S GDA94, east to longitude 140°57'00"E GDA94, south to latitude 28°26'00"S GDA94, east to the eastern border of the State of South Australia, thence southerly along the border of the said State to latitude 28°32'00"S GDA94, west to longitude 140°57'00"E GDA94, south to latitude 28°33'00"S GDA94, west to longitude 140°41'00"E GDA94 and north to point of commencement.

Area: 496 km<sup>2</sup> approximately.

*Description of Area—GEL 318*

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

Commencing at a point being the intersection of latitude 28°19'00"S GDA94 and longitude 140°33'00"E GDA94, thence east to longitude 140°41'00"E GDA94, south to latitude 28°40'00"S GDA94, west to longitude 140°35'00"E GDA94, north to latitude 28°39'00"S GDA94, west to longitude 140°34'00"E GDA94, north to latitude 28°38'00"S GDA94, west to longitude 140°33'00"E GDA94 and north to the point of commencement.

Area: 497 km<sup>2</sup> approximately.

*Description of Area—GEL 319*

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

Commencing at a point being the intersection of latitude 28°24'30"S GDA94 and longitude 140°02'00"E GDA94, thence east to longitude 140°27'00"E GDA94, south to latitude 28°28'00"S GDA94, west to longitude 140°14'00"E GDA94, south to latitude 28°32'00"S GDA94, west to longitude 140°08'00"E GDA94, south to latitude 28°33'00"S GDA94, west to longitude 139°57'00"E GDA94, north to latitude 28°31'00"S GDA94, east to longitude 139°57'30"E GDA94, north to latitude 28°28'00"S GDA94, east to longitude 140°02'00"E GDA94 and north to the point of commencement.

Area: 497 km<sup>2</sup> approximately.

*Description of Area—GEL 320*

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

Commencing at a point being the intersection of latitude 28°09'00"S GDA94 and longitude 139°47'00"E GDA94, thence east to longitude 140°02'00"E GDA94, south to latitude 28°18'00"S GDA94, west to longitude 139°52'00"E GDA94, south to latitude 28°20'00"S GDA94, west to longitude 139°46'00"E GDA94, north to latitude 28°12'00"S GDA94, east to longitude 139°47'00"E GDA94 and north to the point of commencement.

Area: 462 km<sup>2</sup> approximately.

*Description of Area—GEL 322*

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

Commencing at a point being the intersection of latitude 28°06'00"S GDA94 and longitude 139°35'00"E GDA94, thence east to longitude 139°52'00"E GDA94, south to latitude 28°09'00"S GDA94, west to longitude 139°47'00"E GDA94, south to latitude 28°12'00"S GDA94, west to longitude 139°46'00"E GDA94, south to latitude 28°20'00"S GDA94, west to longitude 139°41'00"E GDA94, north to latitude 28°17'00"S GDA94, west to longitude 139°37'00"E GDA94, north to latitude 28°16'00"S GDA94, west to longitude 139°35'00"E GDA94 and north to the point of commencement.

Area: 468 km<sup>2</sup> approximately.

*Description of Area—GEL 323*

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

Commencing at a point being the intersection of latitude 27°27'00"S GDA94 and longitude 140°16'00"E GDA94, thence east to longitude 140°22'00"E GDA94, south to latitude 27°33'00"S GDA94, east to longitude 140°23'00"E GDA94, south to latitude 27°39'00"S GDA94, west to longitude 140°22'00"E GDA94, south to latitude 27°40'00"S GDA94, west to longitude 140°21'00"E GDA94, south to latitude 27°41'00"S GDA94, west to longitude 140°20'00"E GDA94, south to latitude 27°42'00"S GDA94, west to longitude 140°17'00"E GDA94, south to latitude 27°43'00"S GDA94, west to longitude 140°15'00"E GDA94, south to latitude 27°44'00"S GDA94, west to longitude 140°14'00"E GDA94, south to latitude 27°45'00"S GDA94, west to longitude 140°13'00"E GDA94, north to latitude 27°42'00"S GDA94, west to longitude 140°10'00"E GDA94, north to latitude 27°32'00"S GDA94, east to longitude 140°14'00"E GDA94, north to latitude 27°30'00"S GDA94, east to longitude 140°16'00"E GDA94 and north to the point of commencement.

Area: 498 km<sup>2</sup> approximately.

*Description of Area—GEL 324*

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

Commencing at a point being the intersection of latitude 27°25'00"S GDA94 and longitude 140°39'00"E GDA94, thence east to longitude 140°47'00"E GDA94, south to latitude 27°30'00"S GDA94, west to longitude 140°36'00"E GDA94, south to latitude 27°31'00"S GDA94, west to longitude 140°35'00"E GDA94, south to latitude 27°37'00"S GDA94, west to longitude 140°33'00"E GDA94, south to latitude 27°38'00"S GDA94, west to longitude 140°23'00"E GDA94, north to latitude 27°33'00"S GDA94, west to longitude 140°22'00"E GDA94, north to latitude 27°29'00"S GDA94, east to longitude 140°35'00"E GDA94, north to latitude 27°27'00"S GDA94, east to longitude 140°38'00"E GDA94, north to latitude 27°26'00"S GDA94, east to longitude 140°39'00"E GDA94 and north to the point of commencement.

Area: 498 km<sup>2</sup> approximately.

*Description of Area—GEL 390*

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

Commencing at a point being the intersection of latitude 27°49'00"S GDA94 and longitude 139°16'00"E GDA94, thence east to longitude 139°30'00"E GDA94, south to latitude 27°57'00"S GDA94, west to longitude 139°25'00"E GDA94, south to latitude 28°00'00"S GDA94, west to longitude 139°18'00"E GDA94, north to latitude 27°59'00"S GDA94, west to longitude 139°13'00"E GDA94, north to latitude 27°50'00"S GDA94, east to longitude 139°16'00"E GDA94 and north to the point of commencement.

Area: 497 km<sup>2</sup> approximately.

*Description of Area—GEL 391*

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

Commencing at a point being the intersection of latitude 27°49'00"S GDA94 and longitude 139°30'00"E GDA94, thence east to longitude 139°42'00"E GDA94, south to latitude 28°00'00"S GDA94, west to longitude 139°36'00"E GDA94, south to latitude 28°05'00"S AGD66, west to longitude 139°29'00"E GDA94, north to latitude 28°03'00"S GDA94, east to longitude 139°30'00"E GDA94 and north to the point of commencement.

Area: 495 km<sup>2</sup> approximately.

*Description of Area—GEL 392*

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

Commencing at a point being the intersection of latitude 27°57'00"S GDA94 and longitude 139°25'00"E GDA94, thence east to longitude 139°30'00"E GDA94, south to latitude 28°03'00"S GDA94, west to longitude 139°29'00"E GDA94, south to latitude 28°05'00"S AGD66, west to longitude 139°25'00"E AGD66, south to latitude 28°10'00"S GDA94, west to longitude 139°13'00"E GDA94, north to latitude 27°59'00"S GDA94, east to longitude 139°18'00"E GDA94, south to latitude 28°00'00"S GDA94, east to longitude 139°25'00"E GDA94 and north to the point of commencement.

Area: 493 km<sup>2</sup> approximately.

Dated 2 June 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**

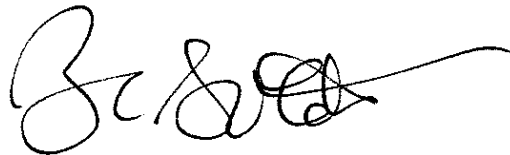
**MEMORANDUM**

**GEOHERMAL EXPLORATION LICENCES  
GELs 316, 317, 318, 319, 320, 322, 323, 324, 390, 391 and 392**

1. These Licences granted with effect from and including 2 June 2008 are hereby entered on the public register.

2. Interests in the licences are:-

Clean Energy Australasia Pty Ltd	100%
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**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: 2 June 2008

Ref: 27/2/489  
27/2/525


# PETROLEUM ACT 2000

## GEOHERMAL EXPLORATION LICENCE

### GEL 316

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:

#### **Clean Energy Australasia Pty Ltd ACN 122 645 229**

(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 JUNE 2013 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:-

<b>Year of Term of Licence</b>	<b>Minimum Work Requirements</b> <i>(Years one to five work requirements may be conducted anywhere within the combined areas of GELs 316, 317, 318, 319, 320, 322, 323 and 324).</i>
<b>One</b>	<ul style="list-style-type: none"><li>• Geological and geophysical review.</li></ul>
<b>Two</b>	<ul style="list-style-type: none"><li>• Geological and geophysical review.</li></ul>
<b>Three</b>	<ul style="list-style-type: none"><li>• Geological and geophysical review.</li><li>• Measurement of detailed geothermal gradients in accessible well(s).</li><li>• Design and plan a demonstration heat exchange plant.</li><li>• Commence/reprocess infill seismic, gravity and magnetic data (as required).</li></ul>
<b>Four</b>	<ul style="list-style-type: none"><li>• Conduct shallow pilot drilling and measure detailed geothermal gradients; and/or re-enter and deepen existing well(s) and measure detailed geothermal gradients</li><li>• Conduct heat exchange trial.</li><li>• Conduct/reprocess infill seismic, gravity and magnetic data (as required).</li><li>• Geological and geophysical review.</li></ul>

<b>Five</b>	<ul style="list-style-type: none"> <li>• Drill 1 deep well (3,000-4,000m) and/or deepen existing wells.</li> <li>• Conduct heat exchange and power generation trial.</li> <li>• Geological and geophysical review.</li> </ul>
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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;

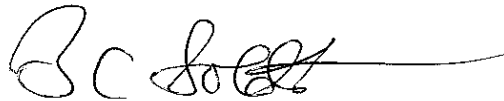
- (a) cash; or
- (b) an unconditional, irrevocable bank guarantee or letter of credit in a form, and from a financial institution, approved by the Minister,

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: 2 June 2008



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**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: 16th May 2008

Authorised Representative

JOE REICAMAN  
Name

MANAGING DIRECTOR  
Position

CLAN ENERGY AUSTRALASIA  
Company

# GEOTHERMAL EXPLORATION LICENCE

## GEL 316

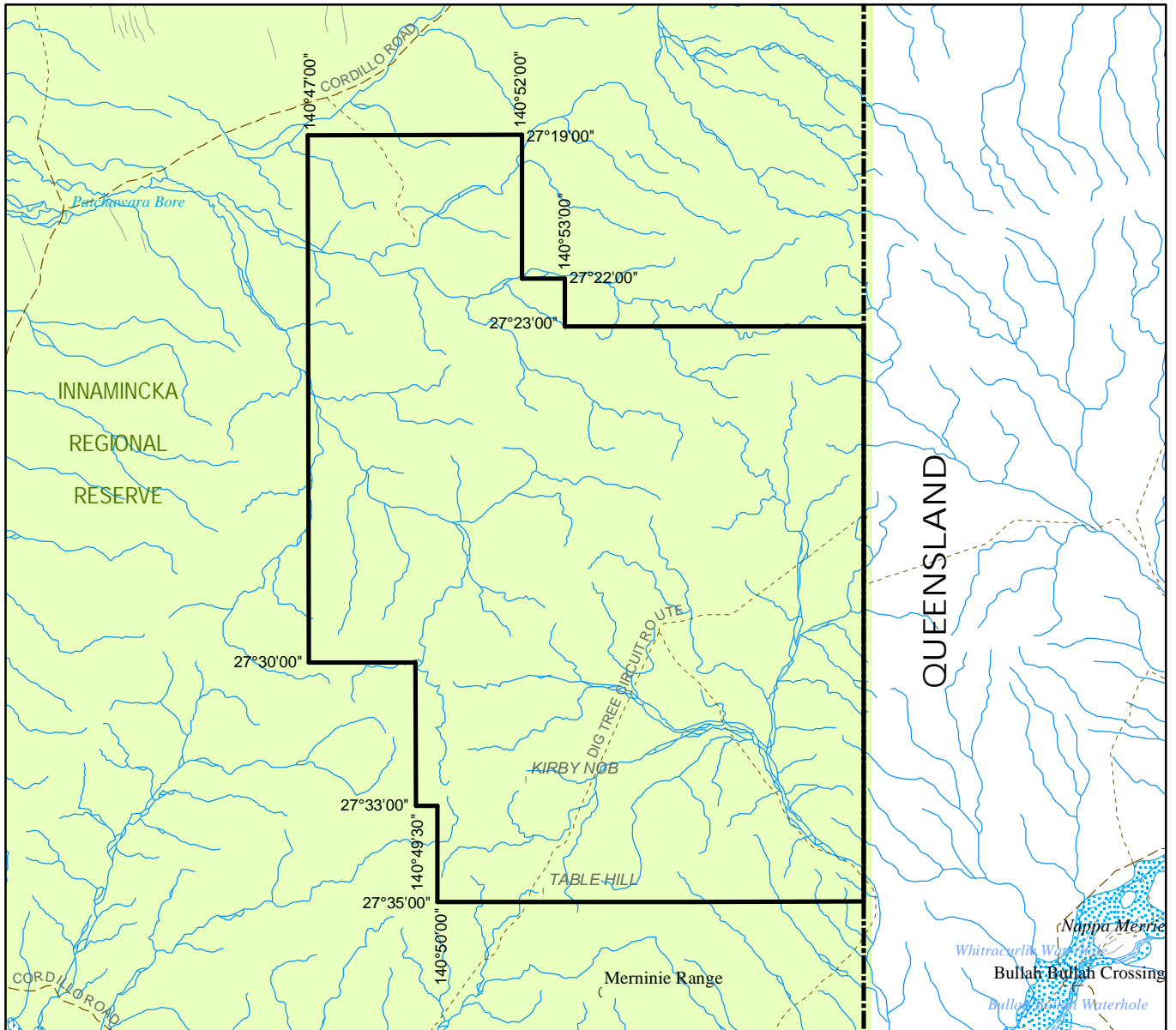
### THE SCHEDULE

#### Description of Area

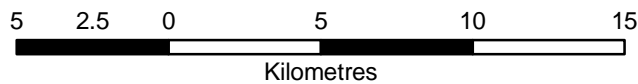
All that part of the State of South Australia, bounded as follows:-

Commencing at a point being the intersection of latitude 27°19'00"S GDA94 and longitude 140°47'00"E GDA94, thence east to longitude 140°52'00"E GDA94, south to latitude 27°22'00"S GDA94, east to longitude 140°53'00"E GDA94, south to latitude 27°23'00"S GDA94, east to the eastern border of the State of South Australia, thence southerly along the border of the said State to latitude 27°35'00"S GDA94, west to longitude 140°50'00"E GDA94, north to latitude 27°33'00"S GDA94, west to longitude 140°49'30"E GDA94, north to latitude 27°30'00"S GDA94, west to longitude 140°47'00"E GDA94, and north to point of commencement.

AREA: **496** square kilometres approximately.



SCALE 1:250 000



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: 316**



Government of South Australia  
Primary Industries and Resources SA

SR 27/2/489a

AREA: 496 sq km (approx)