## INDEX OF DOCUMENTS HELD ON THE PUBLIC REGISTER FOR GAS STORAGE EXPLORATION LICENCE GSEL 586

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10. 27 June 2013 Gazettal of suspension of licence.


GSEL 586 remains due to expire on 15 May 2018.


14. 21 February 2014 Suspension of licence for the period from and including 15 February 2014 to 14 February 2015.

GSEL 586 is now due to expire on 15 May 2019.

15. 21 February 2014 Memorandum entering suspension of licence on the public register.

16. 27 February 2014 Gazettal of suspension of licence.

17. 6 February 2015 Suspension of licence for the period from and including 15 February 2015 to 14 February 2016.

GSEL 586 is now due to expire on 14 May 2020.

18. 6 February 2015 Memorandum entering suspension of licence on the public register.


20. 16 February 2016 Suspension of licence for the period from and including 15 February 2016 to 14 February 2017.

GSEL 586 is now due to expire on 15 May 2021.

21. 16 February 2016 Memorandum entering suspension of licence on the public register.

22. 25 February 2016 Gazettal of suspension of licence.

23. 2 March 2017 Suspension of licence for the period from and including 15 February 2017 to 14 February 2018.

GSEL 586 is now due to expire on 15 May 2022.

24. 2 March 2017 Memorandum entering suspension of licence on the public register.

26. 4 April 2018    Suspension of licence for the period from and including 15 February 2018 to 14 February 2019.

GSEL 586 is now due to expire on 15 May 2023.

27. 4 April 2018    Memorandum entering suspension of licence on the public register.

28. 10 April 2018   Gazetral of suspension of licence.

29. 26 June 2019    Suspension of licence for the period from and including 15 February 2019 to 14 February 2020.

GSEL 586 is now due to expire on 14 May 2024.

30. 26 June 2019    Memorandum entering suspension of licence on the public register.

31. 4 July 2019     Gazetral of suspension of licence.
* Riverine Recovery Program
This Notice will remain in effect until 30 June 2020, unless earlier varied.
Dated: 2 July 2019

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**NOTICE TO MARINERS**

**NO. 22 OF 2019 (TEMPORARY)**

**South Australia – Spencer Gulf – Blanche Harbor – Light not Working**

Mariners are advised that the navigation light (Fl R 3s) on port beacon no. 16 in position 32° 40’ 05.03” S, 137° 45’ 51.66” E north of Blanche Harbor in Spencer Gulf is not working. The light will be replaced by late July 2019.

Mariners are advised to navigate with extreme caution in the vicinity.

Chart affected: Aus 778
Dated: 27 June 2019

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**PETROLEUM AND GEOTHERMAL ENERGY ACT 2000**

**Suspension of Petroleum Exploration Licences**

PELs 117, 118, 119, 120, 121 and 122

Pursuant to section 90 of the **Petroleum and Geothermal Energy Act 2000**, notice is hereby given that the abovementioned Petroleum Exploration Licences have been suspended for the period 5 June 2019 to 4 June 2020 inclusive, pursuant to delegated powers dated 29 June 2018.

- PEL 117 will now expire on 1 January 2022.
- PELs 118 and 119 will now expire on 2 October 2023.
- PEL 120 will now expire on 1 January 2021.
- PELs 121 and 122 will now expire on 1 January 2022.

Dated: 25 June 2019

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**PETROLEUM AND GEOTHERMAL ENERGY ACT 2000**

**Suspension of Petroleum Exploration Licences**

PELs 138, 143, 147, 148, 499 and 500

**and**

Gas Storage Exploration Licences (GSELs) 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586 and 587

Pursuant to section 90 of the **Petroleum and Geothermal Energy Act 2000**, notice is hereby given that the abovementioned Exploration Licences have been suspended under the provisions of the **Petroleum and Geothermal Energy Act 2000**, pursuant to delegated powers dated 29 June 2018.

- Petroleum Exploration Licence (PEL) 138 has been suspended for the period from 24 August 2018 to 23 August 2019 inclusive. The expiry date of PEL 138 is now determined to be 15 April 2023.
- Petroleum Exploration Licence (PEL) 143 has been suspended for the period from 16 February 2019 to 15 February 2020 inclusive. The expiry date of PEL 143 is now determined to be 14 May 2024.
- Petroleum Exploration Licences (PELs) 147 and 148, and Gas Storage Exploration Licences (GSELs) 576, 577, 578, 579, 580, 581, 582 and 583 have been suspended for the period from 22 August 2018 to 21 August 2019 inclusive. The expiry date of PELs 147 and 148 and GSELs 576, 577, 578, 579, 580, 581, 582 and 583 is now determined to be 27 July 2024.
- Petroleum Exploration Licence (PEL) 499 has been suspended for the period from 15 February 2019 to 14 February 2020 inclusive. The expiry date of PEL 499 is now determined to be 11 January 2021.
- Petroleum Exploration Licence (PEL) 500 has been suspended for the period from 1 April 2019 to 31 March 2020. The expiry date of PEL 500 is now determined to be 12 April 2023.
- Gas Storage Exploration Licences (GSELs) 584, 585, 586 and 587 have been suspended for the period from 15 February 2019 to 14 February 2020 inclusive. The expiry date of GSELs 584, 585, 586 and 587 is now determined to be 14 May 2024.

Dated: 26 June 2019
MEMORANDUM

PETROLEUM EXPLORATION LICENCES
PELs 138, 143, 147, 148, 499 and 500

GAS STORAGE EXPLORATION LICENCES
GSELs 576, 577, 578, 579, 580, 581, 582,
583, 584, 585, 586 and 587

1. Suspension of these licences is hereby entered on the public licence register.

[Signature]

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

Date: 26 June 2019

Ref: MER-2016/0995
F2013/000140
MER-2016/0997
MER-2016/0998
F2013/000117
MER-2017/0515
F2011/000368
F2011/000369
F2011/000443
SUSPENSION OF
PETROLEUM EXPLORATION LICENCE
PEL 143

and

GAS STORAGE EXPLORATION LICENCES
GSEls 584, 585, 586 and 587

I, BARRY ALAN GOLDSTEIN, Executive Director Energy Resources Division, Department for Energy and Mining, 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 Dan van Holst Pellekaan, Minister for Energy and Mining (Minister), pursuant to delegated powers dated 29 June 2018 hereby -

(a) suspend petroleum exploration licence PEL 143 for the period from and 16 February 2019 to 15 February 2020 inclusive.

(b) suspend gas storage exploration licences GSEls 584, 585, 586 and 587 for the period from 15 February 2019 to 14 February 2020 inclusive.

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

2. The expiry date of PEL 143 and GSEls 584, 585, 586 and 587 is now determined to be 14 May 2024.

Dated: 26 June 2019

BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department for Energy and Mining
Delegate of the Minister for Energy and Mining
Pursuant to section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the abovementioned Petroleum Exploration Licence has been suspended for the period from and including 1 April 2018 until 31 March 2019, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 31 March 2017.

The expiry date of PEL 81 is now determined to be 23 June 2020.

Dated: 4 April 2018

BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of the Premier and Cabinet
Delegate of the Minister for Energy and Mining

Pursuant to section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the abovementioned Petroleum Exploration Licence has been suspended for the period from and including 16 February 2018 to 15 February 2019, and the abovementioned Gas Storage Exploration Licences have been suspended for the period from and including 15 February 2018 until 14 February 2019, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 31 March 2017.

The expiry date of PEL 143 is now determined to be 15 May 2023.
The expiry date of GSELs 584 - 587 is now determined to be 15 May 2023.

Dated: 4 April 2018

BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of the Premier and Cabinet
Delegate of the Minister for Energy and Mining

Pursuant to section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the abovementioned Petroleum Exploration Licence has been suspended for the period from and including 15 February 2018 until 14 February 2019, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 31 March 2017.

The expiry date of PEL 499 is now determined to be 12 January 2020.

Dated: 4 April 2018

BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of the Premier and Cabinet
Delegate of the Minister for Energy and Mining

Pursuant to section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the abovementioned Petroleum Exploration Licence has been suspended for the period from and including 1 April 2018 until 31 March 2019, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 31 March 2017.

The expiry date of PEL 500 is now determined to be 11 April 2022.

Dated: 4 April 2018

BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of the Premier and Cabinet
Delegate of the Minister for Energy and Mining

BY Road Process Order made on 7 March 2017, the City of Onkaparinga ordered that:

1. The unmade Saverbier Road, situated adjacent Thomas Hill Road and adjoining Allotment 82 in Filed Plan 153168, Hundred of Willunga and more particularly delineated and lettered ‘A’ and ‘B’ in Preliminary Plan 16/0023 be closed.

2. Transfer that portion of the land subject to closure lettered ‘A’ to Ross Leslie Darling and Jane Mary Darling in accordance with the Agreement for Transfer dated 1 March 2017 entered into between the City of Onkaparinga and Ross Leslie Darling and Jane Mary Darling

3. Issue a Certificate of Title to the City of Onkaparinga for that portion of land subject to closure lettered ‘B’, which land is being retained by the City of Onkaparinga.
MEMORANDUM

PETROLEUM EXPLORATION LICENCES
PELs 143, 499 and 500

and

GAS STORAGE EXPLORATION LICENCES
GSELs 584, 585, 586 and 587

1. Suspension of these licences is hereby entered on the public licence register.

BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of the Premier and Cabinet
Delegate of the Minster for Energy and Mining

Date: 4 April 2018

Ref: 27/2/563
   F2011/000443
   F2013/000117
   F2013/000140
SUSPENSION OF
PETROLEUM EXPLORATION LICENCE
PEL 143

and

GAS STORAGE EXPLORATION LICENCES
GSELs 584, 585, 586 and 587

I, BARRY ALAN GOLDSTEIN, Executive Director Energy Resources Division, Department of the Premier and Cabinet, 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 the Minister for Energy and Mining (Minister), pursuant to delegated powers dated 31 March 2017 hereby -

(a) suspend petroleum exploration licence PEL 143 for the period from and including 16 February 2018 to 15 February 2019.

(b) suspend gas storage exploration licences GSELs 584, 585, 586 and 587 for the period from and including 15 February 2018 to 14 February 2019.

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

2. The expiry date of PEL 143 is now determined to be 15 May 2023.

3. The expiry date for GSELs 584, 585, 586 and 587 is now determined to be 15 May 2023.

Dated: 4 April 2018

BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department of the Premier and Cabinet
Delegate of the Minister for Energy and Mining
PETROLEUM AND GEOTHERMAL ENERGY ACT 2000
Suspension of Petroleum Exploration Licence—PEL 143 and
Gas Storage Exploration Licences—GSELS 584, 585, 586 and 587

PURSUANT to Section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the abovementioned Petroleum Exploration Licence has been suspended for the period from and including 16 February 2017 to 15 February 2018, and the abovementioned Gas Storage Exploration Licences have been suspended for the period from and including 15 February 2017 until 14 February 2018, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 21 March 2012.

The expiry date of PEL 143 is now determined to be 15 May 2022.

The expiry date of GSELS 584-587 is now determined to be 15 May 2022.


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

PETROLEUM EXPLORATION LICENCES
PELs 143, 499 and 500

and

GAS STORAGE EXPLORATION LICENCES
GSELS 584, 585, 586 and 587

1. Suspension of these licences is hereby entered on the public licence register.

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

Date: 2 March 2017

Ref: 27/2/563
    F2011/000443
    F2013/000117
    F2013/000140
SUSPENSION OF
PETROLEUM EXPLORATION LICENCE
PEL 143

and

GAS STORAGE EXPLORATION LICENCES
GSELs 584, 585, 586 and 587

I, BARRY ALAN GOLDSTEIN, Executive Director Energy Resources Division, Department of State Development, 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 petroleum exploration licence PEL 143 for the period from and including 16 February 2017 to 15 February 2018.

(b) suspend gas storage exploration licences GSELs 584, 585, 586 and 587 for the period from and including 15 February 2017 to 14 February 2018.

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

2. The expiry date of PEL 143 is now determined to be 15 May 2022.

3. The expiry date for GSELs 584, 585, 586 and 587 is now determined to be 15 May 2022.

Dated: 2 March 2017

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 Petroleum Exploration Licence—PEL 143 and Gas Storage Exploration Licences—GSELs 584, 585, 586 and 587

Pursuant to Section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the abovementioned Petroleum Exploration Licence has been suspended for the period from and including 16 February 2016 to 15 February 2017, and the abovementioned Gas Storage Exploration Licences have been suspended for the period from and including 15 February 2016 until 14 February 2017, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 21 March 2012.

The expiry date of PEL 143 is now determined to be 15 May 2021.

The expiry date of GSELs 584-587 is now determined to be 15 May 2021.

Dated 16 February 2016.

N. PANAGOPoulos,
Acting Executive Director,
Energy Resources Division,
Department of State Development,
Delegate of the Minister for Mineral
MEMORANDUM

PETROLEUM EXPLORATION LICENCES
PELs 143, 499 and 500
and
GAS STORAGE EXPLORATION LICENCES
GSELs 584, 585, 586 and 587

1. Suspension of these licences is hereby entered on the public licence registers.

NICK PANAGOPOULOS
A/Executive Director
Energy Resources Division
Department of State Development
Delegate of the Minster for Mineral Resources and Energy

Date: 16 February 2016

Ref: 27/2/563
    F2011/000443
    F2013/000117
    F2013/000140
Petroleum and Geothermal Energy Act 2000
S.90

SUSPENSION OF
PETROLEUM EXPLORATION LICENCE
PEL 143
and
GAS STORAGE EXPLORATION LICENCES
GSELS 584, 585, 586 and 587

I, NICK PANAGOPOULOS, Acting Executive Director Energy Resources Division, Department of State Development, 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 petroleum exploration licence PEL 143 for the period from and including 16 February 2016 to 15 February 2017.

(b) suspend gas storage exploration licences GSELS 584, 585, 586 and 587 for the period from and including 15 February 2016 to 14 February 2017.

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

2. The expiry date of PEL 143 is now determined to be 15 May 2021.

3. The expiry date for GSELS 584, 585, 586 and 587 is now determined to be 15 May 2021.

Dated: 16 February 2016

NICK PANAGOPOULOS
A/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 Petroleum Exploration Licence
PEL 143 and
Gas Storage Exploration Licences
GSELS 584, 585, 586 and 587

PURSUANT to Section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the abovementioned Petroleum Exploration Licence has been suspended for the period from and including 16 February 2015 to 15 February 2016 and the abovementioned Gas Storage Exploration Licences have been suspended for the period from and including 15 February 2015 until 14 February 2016, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 21 March 2012.

The expiry date of PEL 143 is now determined to be 14 May 2020.

The expiry date of GSELS 584-587 is now determined to be 14 May 2020.

Dated 6 February 2015.

N. PANAGOPULOS,
Acting Executive Director,
Energy Resources Division,
Department of State Development,
Delegate of the Minister for
Mineral Resources and Energy
MEMORANDUM

PETROLEUM EXPLORATION LICENCES
PELs 143, 499 and 500
and
GAS STORAGE EXPLORATION LICENCES
GSELS 584, 585, 586 and 587

1. Suspension of these licences is hereby entered on the public licence registers.

NICK PANAGOPOULOS
A/Executive Director
Energy Resources Division
Department of State Development
Delegate of the Minster for Mineral Resources and Energy

Date: 6 February 2015

Ref: 27/2/563
    F2011/000443
    F2013/000117
    F2013/000140
SUSPENSION OF
PETROLEUM EXPLORATION LICENCE
PEL 143
and
GAS STORAGE EXPLORATION LICENCES
GSELS 584, 585, 586 and 587

I, NICK PANAGOPOULOS, Acting Executive Director Energy Resources Division, Department of State Development, 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 petroleum exploration licence PEL 143 for the period from and including 16 February 2015 to 15 February 2016.

(b) suspend gas storage exploration licences GSELS 584, 585, 586 and 587 for the period from and including 15 February 2015 to 14 February 2016.

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

2. The expiry date of PEL 143 is now determined to be 14 May 2020.

3. The expiry date for GSELS 584, 585, 586 and 587 is now determined to be 14 May 2020.

Dated: 6 February 2015

NICK PANAGOPOULOS
A/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 Petroleum Exploration Licence—PEL 143
and
Gas Storage Exploration Licences—GSELS 584, 585, 586 and 587

PURSUANT to Section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the abovementioned Petroleum Exploration Licence has been suspended for the period from and including 16 February 2014 to 15 February 2015, and the abovementioned Gas Storage Exploration Licences have been suspended for the period from and including 15 February 2014 until 14 February 2015, under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 21 March 2012.

The expiry date of PEL 143 is now determined to be 15 May 2019.

The expiry date of GSELS 584-587 is now determined to be 15 May 2019.

Dated 21 February 2014.

N. PANAGOPoulos,
Acting Executive Director,
Energy Resources Division,
Department for Manufacturing, Innovation,
Trade, Resources and Energy
Delegate of the Minister for Mineral
Resources and Energy
MEMORANDUM

PETROLEUM EXPLORATION LICENCES
PELs 143, 499 and 500
and
GAS STORAGE EXPLORATION LICENCES
GSELS 584, 585, 586 and 587

1. Suspension of these licences is hereby entered on the public licence registers.

NICK PANAGOPOULOS
A/Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minster for Mineral Resources and Energy

Date: 21 February 2014

Ref: 27/2/563
   F2013/000117
   F2013/000140
Petroleum and Geothermal Energy Act 2000
S.90

SUSPENSION OF
PETROLEUM EXPLORATION LICENCE
PEL 143
and
GAS STORAGE EXPLORATION LICENCES
GSEls 584, 585, 586 and 587

I, NICK PANAGOPoulos, 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 petroleum exploration licence PEL 143 for the period from and including 16 February 2014 to 15 February 2015.

(b) suspend gas storage exploration licences GSEls 584, 585, 586 and 587 for the period from and including 15 February 2014 to 14 February 2015.

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

2. The expiry date of PEL 143 is now determined to be 15 May 2019.

3. The expiry date for GSEls 584, 585, 586 and 587 is now determined to be 15 May 2019.

Dated: 21 February 2014

[Nick Panagopoulos]

NICK PANAGOPoulos
A/Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minister for Mineral Resources and Energy
(ii) Replacing existing Schedules 1, 2 with the new Schedule 1 and 2 attached.

Dated 15 January 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

Variation of Pipeline Licence—PL 7

NOTICE is hereby given that under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 21 March 2012, the conditions of the abovementioned Pipeline Licence held by East Australian Pipeline Pty Limited have been varied as follows:

The pipeline licence is varied by amending the licence granted 30 June 1994 and varied by instruments dated 8 February 2000, 23 February 2009 and 27 July 2011 as follows:

(i) Clause 4 ‘General Description of Licence’ is amended by replacing the entire Clause 4 with the following:

4. GENERAL DESCRIPTION OF LICENCE

The pipeline will include:

4.1 A steel pipeline for the conveyance of natural gas, being a main pipeline with pipes of an outside diameter (OD) of 864 mm over a route of approximately 101 km commencing at the exit flange of the Moomba gas plant and proceeding in a south-westerly direction to the South Australia/Queensland border;

4.2 A steel pipeline for the conveyance of natural gas being an interconnect pipeline with pipes of an OD of 660 mm commencing from the exit flange at the Moomba gas plant and proceeding parallel with the main pipeline for approximately 818 m from the Moomba gas plant to the intersection of the QSN Link easement.

4.3 A steel pipeline for the conveyance of natural gas being a loop line with pipes of an OD 660 mm commencing approximately 818 m from the Moomba gas plant at the intersection of the QSN Link easement and proceeding parallel with the main pipeline to a point approximately 10 km from the Moomba gas plant.

4.4 A number of mainline valves;

4.5 A system for the protection of the pipeline from corrosion;

4.6 A telemetry and communications system at the inlet point and at a number of intermediate points on the pipeline;

4.7 A remote monitoring and control system for the operating and maintenance of the pipeline system, including a pipeline monitoring system;

4.8 Pipeline pigging facilities.

4.9 A connection point to the Moomba Interconnection Pipeline (Pipeline Licence 10).

4.10 A 406 mm OD hot tap connection to the QSN Link Mainline (Pipeline Licence 18).

4.11 A 406 mm OD hot tap connection to the QSN Link Loop line (Pipeline Licence 18).

4.12 A 660 mm connection to the Moomba Interconnect Pipeline (Pipeline Licence 18).

(ii) Replacing the process flow diagram attached herein as Schedule 2.

Dated 15 January 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

Temporary Cessation of Suspension Petroleum Exploration Licence—PEL 143 and Gas Storage Exploration Licences—GSELS 584, 585, 586 and 587

PURSUANT to Section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the suspensions of PEL 143 dated 13 February 2013 and GSELS 584, 585, 586 and 587 dated 21 June 2013, have been ceased under the provisions of the Petroleum and Geothermal Energy Act 2000, with effect from and including 17 January 2014, pursuant to delegated powers dated 21 March 2012.

The expiry date of PEL 143 and GSELS 584, 585, 586 and 587 will continue to be 15 May 2018.

Dated 15 January 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
MEMORANDUM

TEMPORARY CESSION OF SUSPENSION OF PETROLEUM EXPLORATION LICENCE PEL 143

and

GAS STORAGE EXPLORATION LICENCES GSELs 584, 585, 586 and 587

Temporary cessation of suspension of licences is hereby entered on the public register.

[Signature]

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

Date: 15 January 2014

Ref: F2013/000140
     F2011/000443
TEMPORARY CESSION OF SUSPENSION OF
PETROLEUM EXPLORATION LICENCE
PEL 143

and

GAS STORAGE EXPLORATION LICENCES
GSELs 584, 585, 586 and 587

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 -

(a) hereby approve the temporary cessation of the suspension dated 13
February 2013 of petroleum retention licence PEL 143 for a period of
one (1) day with effect from and including 17 January 2014.

(b) hereby approve the temporary cessation of the suspension dated 21
June 2013 of gas storage exploration licences GSELs 584, 585, 586
and 587 for a period of one (1) day with effect from and including 17
January 2014.

1. Regulated activities are permitted to be carried out during this temporary
cessation of suspension.

2. The suspensions dated 13 February 2013 and 21 June 2013 will resume with
effect from and including 18 January 2014 until 15 February 2014.

3. The expiry date of PEL 143 and GSELs 584, 585, 586 and 587 will continue to
be 15 May 2018.

Dated: 15 January 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 Gas Storage Exploration Licences—GSELs 584, 585, 586 and 587

PURSUANT to Section 90 of the Petroleum and Geothermal Energy Act 2000, notice is hereby given that the abovementioned Gas Storage Exploration Licences have been suspended for the period from and including 15 February 2013 until 14 February 2014 under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 21 March 2012.

The expiry date of Gas Storage Exploration Licences—GSELs 584, 585, 586 and 587 is now determined to be 15 May 2018.

Dated 21 June 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
MEMORANDUM

GAS STORAGE EXPLORATION LICENCES
GSELs 576, 577, 578, 579, 580, 581, 582,
583, 584, 585, 586 and 587

1. Suspension of licences is hereby entered on the public licence registers.

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

Date: 21 June 2013

Ref: F2011/000368
    F2011/000369
    F2011/000443
Petroleum and Geothermal Energy Act 2000
S.90

SUSPENSION OF
GAS STORAGE EXPLORATION LICENCES
GSELS 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586 and 587

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 gas storage exploration licences GSELS 576, 577, 578, 579, 580, 581, 582 and 583 for the period from and including 22 August 2012 to 21 August 2013.

(b) suspend gas storage exploration licences GSELS 584, 585, 586 and 587 for the period from and including 15 February 2013 to 14 February 2014.

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

2. The expiry date of GSELS 576 - 583 is now determined to be 28 July 2018, and expiry date of GSELS 584 – 587 is now determined to be 15 May 2018.

Dated: 21 June 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

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MEMORANDUM

PETROLEUM EXPLORATION LICENCE
PEL 143
GAS STORAGE EXPLORATION LICENCES
GSELs 584, 585, 586 and 587

SA 2012-51 Notation of registrable dealing as evidenced by Deed of Adoption and Assumption for Conjunctive Land Access Agreement dated 15 June 2012 between Maralinga Tjarutja, Ahava Energy Ltd and Hughes Denman Energy Pty Ltd 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 Minster for Mineral Resources and Energy

Date: 13 July 2012
Ref: 27/2/239
      F2011/443
MEMORANDUM

PETROLEUM EXPLORATION LICENCE
PEL 143

GAS STORAGE EXPLORATION LICENCES
GSELS 584, 585, 586 and 587

SA 2012-41 Notation of registrable dealing as evidenced by Deed of Assignment PEL 143 and GSELS 584, 585, 586 and 587 dated 5 June 2012 between Ahava Energy Ltd and Hughes Denman Energy Pty Ltd is hereby entered on the public register.

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

Date: 28 June 2012

Ref: 27/2/239
F2011/443
NOTICE is hereby given that the undermentioned Petroleum Exploration Licence and Gas Storage Exploration Licences have been granted under the provisions of the Petroleum and Geothermal Energy Act 2000, pursuant to delegated powers dated 21 March 2012.

<table>
<thead>
<tr>
<th>No. of Licence</th>
<th>Licensee</th>
<th>Locality</th>
<th>Expiry</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL 143</td>
<td>Ahava Energy Limited</td>
<td>Officer Basin</td>
<td>15 May 2017</td>
</tr>
<tr>
<td>GSEL 584</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GSEL 585</td>
<td></td>
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<tr>
<td>GSEL 586</td>
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<td></td>
<td></td>
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<tr>
<td>GSEL 587</td>
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<td></td>
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</tbody>
</table>

**Description of Area—PEL 143**

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

Commencing at a point being the intersection of longitude 129°48’00"E GDA94 and latitude 30°00’00"S GDA94, thence south to latitude 30°10’00"S GDA94, east to longitude 130°45’00"E GDA94, south to the southern boundary of the Maralinga Tjarutja Aboriginal Lands, thence generally south-westerly along the boundary of the said Aboriginal Lands to the western border of the State of South Australia, thence northerly along the border of the said State to the southern boundary of the Mamungari Conservation Park, thence easterly and northerly along the boundary of the said Conservation Park to latitude 30°00’00"S GDA94 and east to the point of commencement.

Area: 9 896 km² approximately.

**Description of Area—GSEL 584**

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

Commencing at a point being the intersection of Mamungari Conservation Park and longitude 129°24’00"E GDA94, thence south to the southern boundary of Maralinga Tjarutja Aboriginal Lands, thence generally south-westerly along the boundary of the said Aboriginal Lands to the western border of the State of South Australia, thence northerly along the border of the said State to the southern boundary of Maralingari Conservation Park, thence generally easterly along the boundary of the said Conservation Park to the point of commencement.

Area: 2 446 km² approximately.

**Description of Area—GSEL 585**

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

Commencing at a point being the intersection of latitude 30°00’00"S GDA94 and longitude 129°48’00"E GDA94, thence south to latitude 30°10’00"S GDA94, east to longitude 130°13’00"E GDA94, south to latitude 30°23’00"S GDA94, west to longitude 129°45’00"E GDA94, south to latitude 30°24’00"S GDA94, west to longitude 129°24’00"E GDA94, north to the southern boundary of Mamungari Conservation Park, thence easterly and northerly along the boundary of the said Conservation Park to latitude 30°00’00"S GDA94, and east to the point of commencement.

Area: 2 480 km² approximately.

**Description of Area—GSEL 586**

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

Commencing at a point being the intersection of latitude 30°23’00"S GDA94 and longitude 129°45’00"E GDA94, thence east to longitude 130°13’00"E GDA94, south to the southern boundary of Maralinga Tjarutja Aboriginal Lands, thence generally south-westerly along the boundary of the said Aboriginal Lands to longitude 129°24’00"E GDA94, north to latitude 30°24’00"S GDA94, east to longitude 129°45’00"E GDA94 and north to the point of commencement.

Area: 2 492 km² approximately.

**Description of Area—GSEL 587**

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

Commencing at a point being the intersection of latitude 30°10’00"S GDA94 and longitude 130°13’00"E GDA94, thence east to longitude 130°45’00"E GDA94, south to the southern boundary of Mamungari Conservation Park, thence generally south-westerly along the boundary of the said Aboriginal Lands to longitude 130°13’00"E GDA94 and north to the point of commencement.

Area: 2 478 km² approximately.

Dated 16 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
MEMORANDUM

PETROLEUM EXPLORATION LICENCE
PEL 143

GAS STORAGE EXPLORATION LICENCES
GSELs 584, 585, 586 and 587

1. Notation of receipt of security in the form of a Bank Guarantee dated 17 May 2012 is hereby entered on the public register.

2. Security is held to cover any single event occurring in any licence operated by Ahava Energy Ltd in South Australia.

C. D. COCKSHELL
A/Executive Director
Energy Resources Division
Department for Manufacturing, Innovation, Trade, Resources and Energy
Delegate of the Minister for Mineral Resources and Energy

Date: 21 May 2012

File: 27/2/239
F2011/443
MEMORANDUM

PETROLEUM EXPLORATION LICENCE
PEL 143

GAS STORAGE EXPLORATION LICENCES
GSELS 584, 585, 586 and 587

1. These Licences granted with effect from 16 May 2012 are hereby entered on the public registers.

2. Interests in the Licences are:

   Ahava Energy Limited 100%


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

Dated: 16 May 2012

Ref: 27/2/239
   F2011/000443
Petroleum and Geothermal Energy Act 2000

GAS STORAGE EXPLORATION LICENCE

GSEL 586

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 GRANT to:

Ahava Energy Ltd
ACN 138 728 873

(hereinafter referred to as the Licensee) an Exploration Licence in relation to a natural reservoir for the purpose of gas storage in respect of the area set out below, to have effect for a period of five years and to expire on 15 May 2017 and carrying the right to two further renewal terms, subject to the provisions of 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 or grouped licence years. These exploratory operations shall include but not necessarily be limited to:-

<table>
<thead>
<tr>
<th>Year of Term of Licence</th>
<th>Minimum Work Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>• Geological and geophysical studies. Year 1 to be conducted anywhere within the boundaries of GSEL 584, 585, 586 and 587</td>
</tr>
<tr>
<td>Two</td>
<td>• Geological and geophysical studies. Year 2 to be conducted anywhere within the boundaries of GSEL 584, 585, 586 and 587</td>
</tr>
<tr>
<td>Three</td>
<td>• Geological and geophysical studies. Year 3 to be conducted anywhere within the boundaries of GSEL 584, 585, 586 and 587</td>
</tr>
<tr>
<td>Four</td>
<td>• Geological and geophysical studies. Year 4 to be conducted anywhere within the boundaries of GSEL 584, 585, 586 and 587</td>
</tr>
<tr>
<td>Five</td>
<td>• Geological and geophysical studies. Year 5 to be conducted anywhere within the boundaries of GSEL 584, 585, 586 and 587</td>
</tr>
</tbody>
</table>
2. In the event that the Licensee during any year of the term of this licence 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").

3.1 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.

3.2 Interest will not be payable by the Minister to the Licensee on any cash Security.

3.3 All charges incurred by the Licensee in obtaining and maintaining the Security shall be met by the Licensee.

3.4 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.

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, 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 Act 2000 or Mining Act, 1971 and owners of land, arising out of proposed regulated activities to be carried out in the licence area.

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.

Date: 16 May 2012

BARRY A. GOLDSSTEIN
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: 16/07/2012

[Signature]

Authorised Representative

[Name]

CEO - DIRECTOR

Position

AHANA ENERGY LTD.

Company
THE SCHEDULE

GAS STORAGE EXPLORATION LICENCE

GSEL 586

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°23'00"S GDA94 and longitude 129°45'00"E GDA94, thence east to longitude 130°13'00"E GDA94, south to the southern boundary of Maralinga Tjarutja Aboriginal Lands, thence generally southwesterly along the boundary of the said Aboriginal Lands to longitude 129°24'00"E GDA94, north to latitude 30°24'00"S GDA94, east to longitude 129°45'00"E GDA94, and north to the point of commencement.

AREA: 2492 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 HEREBEFOR REFERRRED TO

GAS STORAGE EXPLORATION LICENCE NO: 586