

**INDEX OF DOCUMENTS HELD ON THE PUBLIC REGISTER FOR
PETROLEUM EXPLORATION LICENCE PEL 687**

1. 22 July 2021 Grant of Petroleum Exploration Licence PEL 687

Interests:
Gold Hydrogen Pty Ltd 100%
2. 22 July 2021 Memorandum entering the grant of licence on the public register.
3. 29 July 2021 Gazettal of grant of licence.

PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

Application for Variation of Pipeline Licence—PL 1

Pursuant to section 65(6) of the *Petroleum and Geothermal Energy Act 2000* (the Act) and Delegated powers dated 29 June 2018, notice is hereby given that Epic Energy South Australia Pty Limited has applied to vary pipeline licence PL 1.

The application will be determined on or after 27 August 2021.

Description of Application

Epic Energy South Australia Pty Limited has applied for a variation to pipeline licence PL 1 and is proposing to construct a lateral pipeline and new pressure reduction metering station from PL 1 in the Bolivar region.

*Description of Area**Bolivar Lateral*

278751.05mE 6149101.99mN
 278758.82mE 6149113.25mN
 278932.83mE 6148993.18mN
 279125.80mE 6148998.87mN
 279411.28mE 6148794.15mN
 279492.28mE 6148340.41mN
 279532.89mE 6148310.69mN

All coordinates in MGA94 Zone 54

Dated: 26 July 2021

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

PETROLEUM AND GEOTHERMAL ENERGY ACT 2000

Grant of Petroleum Exploration Licence—PEL 687

Notice is hereby given that the undermentioned Petroleum Exploration Licence has been granted with effect from 22 July 2021, under the provisions of the *Petroleum and Geothermal Energy Act 2000*, pursuant to delegated powers dated 29 June 2018.

No. of Licence	Licencees	Area km ²	Locality	Reference
PEL 687	Gold Hydrogen Pty Ltd	7,820	Yorke Peninsula and Kangaroo Island	MER-2021/0089

Description of Area

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

Commencing at a point at or near the intersection of latitude 34°16'33"S GDA2020 and longitude 137°29'53.67"E GDA2020 (the line of lowest astronomical tide), then east to the line of lowest astronomical tide, then beginning south-westerly along said line to the point of commencement.

But excluding:

Carririe Conservation Park, Dhillba Guuranda-Innes National Park, Leven Beach Conservation Park, Point Davenport Conservation Park, Warrenben Conservation Park, Wills Creek Conservation Park, Lower Yorke Peninsula Marine Park, Upper Gulf St Vincent Marine Park, Southern Spencer Gulf Marine Park, Eastern Spencer Gulf Marine Park;

and

Commencing at a point on the line of lowest astronomical tide at or near latitude 35°33'40.76"S GDA2020 and longitude 137°37'19.80"E GDA2020, then beginning south-easterly along said line to the point of commencement.

But excluding:

Baudin Conservation Park, Beyeria Conservation Park, Cape Gantheaume Conservation Park, Cape Willoughby Conservation Park, Cygnet Estuary Conservation Park, Dudley Conservation Park, Flinders Chase National Park, Kelly Hill Conservation Park, Lashmar Conservation Park, Latham Conservation Park, Lesueur Conservation Park, Mount Taylor Conservation Park, Nepean Bay Conservation Park, Parndana Conservation Park, Pelican Lagoon Conservation Park, Seal Bay Conservation Park, Seddon Conservation Park, Simpson Conservation Park, Vivonne Bay Conservation Park, Southern Kangaroo Island Marine Park, Western Kangaroo Island Marine Park, Southern Spencer Gulf Marine Park, Encounter Marine Park, Cape Bouguer Wilderness Area, Cape Gantheaume Wilderness Area, Cape Torrens Wilderness Area, Ravine des Casoars Wilderness Area, Western River Wilderness Area, Allotment 1 in Deposited Plan 119843, Section 41 in Hundred of Gosse, Section 18 in Hundred of McDonald, Section 20 in Hundred of McDonald, Allotment 4 in Deposited Plan 120120.

AREA: **7820** square kilometres approximately.

Dated: 22 July 2021

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

Petroleum and Geothermal Energy Act 2000
S.115

MEMORANDUM

PETROLEUM EXPLORATION LICENCE
PEL 687

1. Petroleum Exploration Licence PEL 687 granted on 22 July 2021 is hereby entered on the public register.

Interests in the licence are:

Gold Hydrogen Pty Ltd	100%
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BARRY A. GOLDSTEIN
Executive Director
Energy Resources Division
Department for Energy and Mining
Delegate of the Minister for Energy and Mining

Date: 22 July 2021

Ref: MER-2021/0089

Petroleum and Geothermal Energy Act 2000

PETROLEUM EXPLORATION LICENCE

PEL 687

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 GRANT to:

Gold Hydrogen Pty Ltd
ACN 647 468 899

(hereinafter referred to as the Licensee) an Exploration Licence in relation to all regulated resources except a source of geothermal energy or 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 21 July 2026 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 which is land that is now or was formerly the subject of a grant of a freehold estate or of a perpetual Crown lease where such an estate or fee simple was first granted before 31 December 1993 (excluding a Crown to Crown grant, unless such grant was made prior to 31 October 1975).

CONDITIONS

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

Year of Term of Licence	Minimum Work Requirements
One	<ul style="list-style-type: none">• Geological and geophysical studies.
Two	<ul style="list-style-type: none">• 10,000 km² airborne survey AEM-PTP.
Three	<ul style="list-style-type: none">• 4,000 line km Magnetic-Gravity airborne survey.
Four	<ul style="list-style-type: none">• Acquire 600 km 2D seismic data; and• Processing 600 km 2D seismic data.
Five	<ul style="list-style-type: none">• Drill one well.

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. All regulated activities authorised by this Licence are classified as requiring high level official surveillance, unless the Licensee satisfies the Minister that, in view of the Licensee's demonstrated competence to comply with the requirements of the Act and the conditions of this Licence, the activities should be classified as requiring low level official surveillance.
 - 2.1 The Minister's prior written approval is required for activities requiring high level official surveillance in accordance with Regulation 19 of the Regulations to the Act.
4. The Licensee shall during periods determined by the Minister, lodge and maintain with the Minister, in the form acceptable to the Minister, for the satisfaction of obligations arising under the Act or this licence, a security as specified by the Minister from time to time ("the Security").
 - 4.1 The Security shall be lodged in the form of either;
 - (a) cash; or
 - (b) an unconditional, irrevocable bank guarantee, insurance bond or letter of credit in a form, and from a financial institution, approved by the Minister.
 - 4.2 Interest will not be payable by the Minister to the Licensee on any cash Security.
 - 4.3 All charges incurred by the Licensee in obtaining and maintaining the Security shall be met by the Licensee.
 - 4.4 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.
5. 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).
6. The Minister in specifying the levels of insurance accepts no liability for the completeness of their listing, the adequacy of the sum insured, the limit of liability, the scoped coverage, or the conditions or exclusions of these insurances in respect to how they may or may not respond to any loss, damage or liability.

7. 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.
8. 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 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: 22 July 2021

Barry Goldstein

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

EXECUTED by Gold Hydrogen Pty Ltd (ACN 647 468 899)
in accordance with Section 127 of the
Corporations Act 2001 (Cth);


.....
Signature of Director


.....
Signature of Director/~~Secretary~~*

JOHN LUKE TITUS
.....
[Print Name of Director]

Neil McDonald
.....
[Print Name of Director/~~Secretary~~]
(*delete the inapplicable)

PETROLEUM EXPLORATION LICENCE

PEL 687

THE SCHEDULE

Description of Area

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

Commencing at a point at or near the intersection of latitude 34°16'33"S GDA2020 and longitude 137°29'53.67"E GDA2020 (the line of lowest astronomical tide), then east to the line of lowest astronomical tide, then beginning south-westerly along said line to the point of commencement.

But excluding:

Carribie Conservation Park, Dhilba Guuranda-Innes National Park, Leven Beach Conservation Park, Point Davenport Conservation Park, Warrenben Conservation Park, Wills Creek Conservation Park, Lower Yorke Peninsula Marine Park, Upper Gulf St Vincent Marine Park, Southern Spencer Gulf Marine Park, Eastern Spencer Gulf Marine Park.

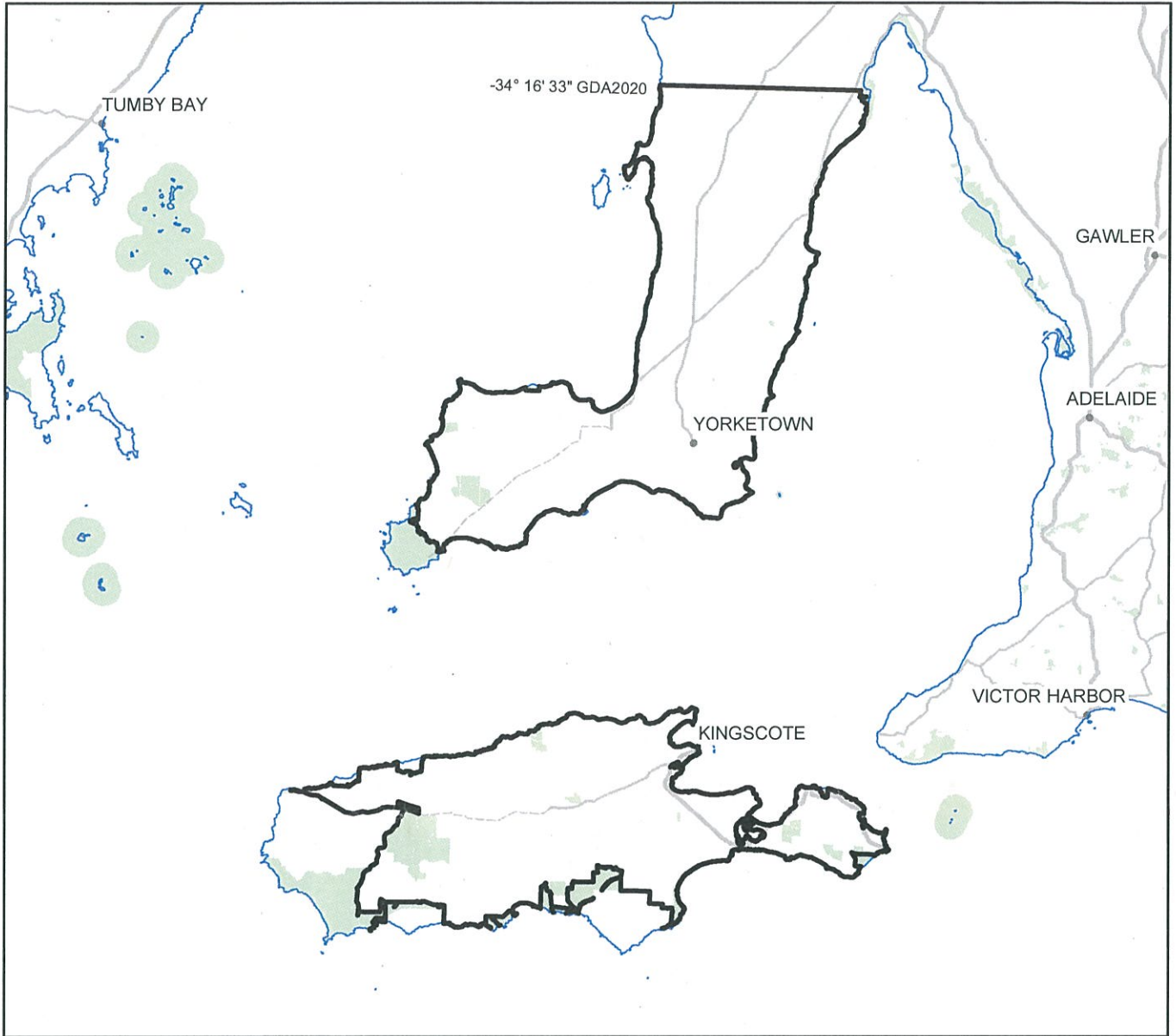
and

Commencing at a point on the line of lowest astronomical tide at or near latitude 35°33'40.76"S GDA2020 and longitude 137°37'19.80"E GDA2020, then beginning south-easterly along said line to the point of commencement.

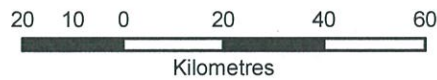
But excluding:

Baudin Conservation Park, Beyeria Conservation Park, Cape Gantheaume Conservation Park, Cape Willoughby Conservation Park, Cygnet Estuary Conservation Park, Dudley Conservation Park, Flinders Chase National Park, Kelly Hill Conservation Park, Lashmar Conservation Park, Latham Conservation Park, Lesueur Conservation Park, Mount Taylor Conservation Park, Nepean Bay Conservation Park, Parndana Conservation Park, Pelican Lagoon Conservation Park, Seal Bay Conservation Park, Seddon Conservation Park, Simpson Conservation Park, Vivonne Bay Conservation Park, Southern Kangaroo Island Marine Park, Western Kangaroo Island Marine Park, Southern Spencer Gulf Marine Park, Encounter Marine Park, Cape Bouguer Wilderness Area, Cape Gantheaume Wilderness Area, Cape Torrens Wilderness Area, Ravine des Casoars Wilderness Area, Western River Wilderness Area, Allotment 1 in Deposited Plan 119843, Section 41 in Hundred of Gosse, Section 18 in Hundred of McDonald, Section 20 in Hundred of McDonald, Allotment 4 in Deposited Plan 120120

AREA: **7820** square kilometres approximately.



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), the Geocentric Datum of Australia (GDA2020), the Australian Geodetic Datum (AGD66) and the schedule.

THE PLAN HEREINBEFORE REFERRED TO

PETROLEUM EXPLORATION LICENCE NO: 687