



### Venus-1 Pilot Well Records Early Gas Breakout

- Project Venus recorded gas breakout after only 50 bbls of Water<sup>1</sup> production at its Venus 1 pilot well
- The early gas confirms the interpreted high gas saturations of the target Walloon coals
- The breakout gas rate was estimated at 84,000 cfd with gas rate expected to continue increasing as the control pressure drawdown continues
- Project Venus has Contingent Resource 2C of 130PJ and Prospective resource of 694PJ<sup>2</sup>
- Project Venus is highly prospective for Walloon Coal Seam Gas (CSG) resources and is surrounded by major Walloon CSG-producing assets
- The flow testing of the Venus 1 Pilot well commenced earlier this month and is part through an extended flow test.

**Sydney: 3 June 2021**, Australian East Coast Clean Energy Company, *Pure Hydrogen Corporation Limited* (ASX: PH2 or 'Pure Hydrogen') is pleased to report that its Venus-1, located on Project Venus in central Queensland has recorded initial gas breakout after only 50 barrels of water production. The early gas breakout confirms the interpreted high gas saturations of the target Walloon coals.

The breakout gas rate, estimated at 84,000 cfd, is expected to continue to increase as the controlled pressure draw down expands radially into the multiple high gas saturated coal reservoirs from the low cost Venus-1 vertical production well.

The results of the flow test to date and current gas pressure build-up suggests a successful, more robust enhancement at Venus-1 could substantially decrease the time to achieve commercial gas flows. A second stage, more robust, enhancement is currently under consideration for implementation at the Venus Pilot well in the coming weeks.

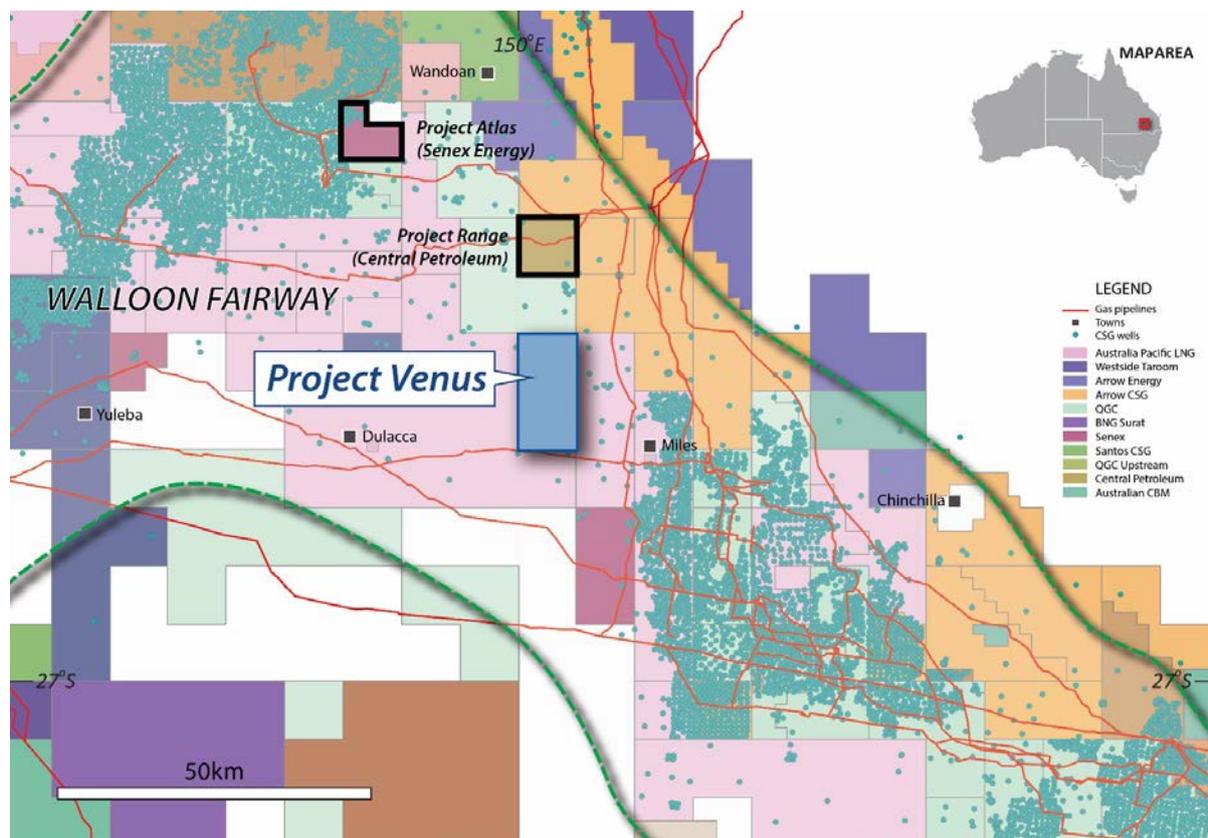
Proving commercial gas flows at Venus-1 could convert the recently certified 130 PJ of 2C gas resource to 2P gas reserves. Certifying 130 PJ's of gas reserves is sufficient to underpin a sizeable gas sales contract to justify development of the Venus CSG field and connection to the nearby gas pipeline infrastructure.

In addition, Pure Hydrogen has selected the Venus CSG field (Project Saturn) as a potential location for a demonstration CSG to hydrogen production facility and hydrogen hub.



**Managing Director Scott Brown commented:** “Pure Hydrogen is encouraged by the initial gas breakout after only 50 barrels of water production at Venus-1. It is a positive step towards proving commercial gas flows and the certification of material gas reserves at Project Venus located near the town of Miles in Queensland. We will continue to update shareholders on progress as our program unfolds.”

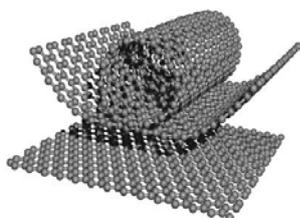
*This announcement is authorised by the Managing Director*



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1. The number of barrels of water production before initial gas breakout is estimated at 50 bbls
2. See Pure Hydrogen Announcement dated 4 May 2021 – Pure Hydrogen Announces Maiden 130PJ 2C Contingent Resource for Project Venus

### 3. Other disclosures under ASX Listing Rules

4. LR 5.25.1 – The Contingent Gas Resources are reported as at 30 April 2021
5. LR 5.25.2 – The petroleum resources are Contingent Resources in accordance with SPE-PRMS.
6. LR5.25.3 – There are currently no reserves in the permit. Estimates are for Contingent Resources - these have not been adjusted for development risk
7. LR 5.25.5 – The Contingent Resources are reported as 100%. Pure share is 100% working interest before government royalty.
8. LR 5.25.6 – The Contingent Resources volumes were obtained by calculating the potentially recoverable portion of the gas-in-place using the overall prospect area, the mapped net coal thickness, raw gas content and coal density, as well as a range of estimates of the gas recovery factor of the coals. The review was carried out in accordance with the standards in the Canadian Oil and Gas Evaluation Handbook as amended from time to time, maintained by the Society of Petroleum Evaluation Engineers.
9. LR 5.28.1 – The Contingent Resources estimate is based on best estimate and low and high estimates.
10. LR 5.28.2 - Cautionary Statement: The estimated quantities of petroleum that may be potentially recovered by the application of a future development project related to technology under development. These estimates have both an associated risk of technology under development and a risk of development. Further appraisal and evaluation are required to determine the existence of a significant quantity of potentially movable hydrocarbons. Contingent Resource assessments in this release were estimated using probabilistic methods in accordance with SPE-PRMS standards.
11. LR 5.30 (a) Venus 1 – CSG well  
(b) Project Venus, ATP2051 located about 9 km north west of Miles, Queensland.  
(c) 100% working interest;  
(d) A preliminary interpretation of the wireline logs indicating approximately 25 metres of net gassy coal pay.  
(e) Coal Seam;  
(f) 395.5 -471.6 metres approximate depth  
(g) flow test approximately 5 weeks  
(h) The flow test has recovered natural gas (mainly methane) and water;  
(i) Venus 1 - water is flowing to surface. It believe that the coal seam is the source of the water;  
(j) 3 inch choke size  
(k) N/A  
(l) N/A  
(m) N/A
12. LR 5.35.1 – The Contingent Resources are reported for the area ATP2051 in the State of Queensland.
13. LR 5.35.2 – The existence of a significant moveable hydrocarbons are determined by the results of recently drilled Venus-1 by Pure and previous petroleum wells in and around the permit area and review of seismic data.
14. LR 5.35.3 – The changes of the Contingent Resources being converted to a higher PRMS designation (i.e to reserves) is high and there is a high degree of confidence however there are the usual risks associated with a gas resource of this type- see Cautionary Statement above.
15. LR 5.35.4 – NA
16. LR 5.41 - The Contingent Gas Resources are prepared by Sproule, a leading independent petroleum engineering and certification firm based in Calgary, Canada with offices in Denver, Colorado which has experience working in most of the significant petroleum provinces throughout the world. Sproule has completed reserve and resource assessments for a number of clients in Australia and internationally including Adelaide Energy, Arrow Energy, Bow Energy, ConocoPhillips, CS Energy, Eastern Star Gas, Metgasco Ltd, Molopo Energy Australia, Pure Energy, Santos Ltd, Senex, Sunbird Energy and Sunshine Gas and Mr Tim L. Hower is the Senior Technical Advisor responsible for the estimates.
17. LR 5.42 - The information contained in this release pertaining the area ATP2051 Contingent Resources estimates are based on, and fairly represent, information prepared under the supervision of Mr Tim L Hower, Senior Technical Advisor of Sproule Inc. Mr Tim L. Hower is a qualified petroleum reserves and resources evaluator within the meaning of the ASX Listing Rules and consents to the inclusion in this release of the prospective resources estimates related information in the form and context in which that information is presented.



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Or visit the website [www.purehydrogen.com.au](http://www.purehydrogen.com.au)

**About Pure Hydrogen Corporation Limited**

Pure Hydrogen is an Australian east coast focused Clean Energy Company with Hydrogen and Methane Gas businesses. The Company has 5 Hydrogen projects under development and 3 methane gas projects, Windorah Gas Project in the Cooper Basin, Australia's most prolific onshore producing petroleum basin, Project Venus CSG in the Surat Basin in Queensland and the Serowe Project CSG in Botswana.

For further details [www.purehydrogen.com.au](http://www.purehydrogen.com.au)

**Geological Information**

*The geological information in this announcement relating to geological information and resources is based on information compiled by Mr Lan Nguyen, who is a Member of Petroleum Exploration Society of Australia and the Society of the Petroleum Engineers and has sufficient experience to qualify as a Competent Person. Mr Nguyen consents to the inclusion of the matters based on his information in the form and context in which they appear. The information related to the results of drilled petroleum wells has been sourced from the publicly available well completion reports.*

