Whitebark Energy Deploys Hydrogen Sensors on Rickerscote

25 September 2025

Highlights

- **Hydrogen detectors have been deployed on-ground over the giant Rickerscote prospect.**
- **Data will help narrow down the final drill location of Rickerscote-1 on the structure.**
- **Results from this initial survey expected in October 2025.**
- **Pathway to farm-out continues on schedule with data received from sensors aimed at strengthening this process.**

Whitebark Energy Limited (ASX: WBE) ("**Whitebark**" or "**the Company**") has successfully deployed ten (10) Hydrogen sensors (IVYS) on the giant Rickerscote structure on PEL-81. The survey is designed to detect any Hydrogen currently being generated and released and is considered best practice when used in conjunction with historical well data, as has been demonstrated by Gold Hydrogen and CSIRO. The Company is targeting the main southern thrust fault which can be seen on seismic to extend deep into the crust (Figure 1). The sensors will remain on-site for at least 30 days before they are retrieved, and the data is processed and analysed.

The results of the survey will help identify the presence of Hydrogen reaching the surface and map out any anomalies that will guide the technical team to zero in on the final well location for the Rickerscote 1 exploration well that the company plans to drill in Q4 2026.

In parallel, the Company is seeking access a few existing water bores located in PEL 81 and PEL 253 to sample the water and test for the presence of hydrogen, helium, and hydrocarbons, subject to agreement with the Maralinga Tjarutja Traditional Owners. This work is expected to conclude by October 2025.

Rickerscote is a seismically defined sub-salt closure spanning more than 180 km² (up to ~400 km²) and carrying previously reported prospective volumes of ~710 million kg hydrogen, ~97 Bcf helium and ~153 mmboe hydrocarbons[1]. With such scale, the first well is capable of transforming the company and will be a significant 'play opener' for the Officer Basin.

The Company continues to vigorously progress activities relating to the formal farm out process as previously outlined. Whitebark continues to believe the Rickerscote asset contains hydrogen, helium and hydrocarbon of a scale that is unique in the Australian landscape. Early indications received from third party industry participants supports this thesis. Further details of the farmout process will be provided in the coming weeks.

[1]Refer to ASX announcement '*Hydrogen & Helium Potential of the Rickerscote Prospect*' dated 12 August 2025

Whitebark's COO, Nik Sykiotis, said:

"The Whitebark team have been on site and have successfully deployed the IVY sensors on PEL 81. The data harvested from this survey will help the team select the final well location for Rickerscote-1 which we are currently planning to spud by the end of 2026."

"We are acutely aware that an important part of the well spud, will be to secure a suitable farmin partner who brings additional technical expertise and financing capability. Given our continuing discussions with a range of third parties, we maintain strong confidence on our ability to attract the right organisation."

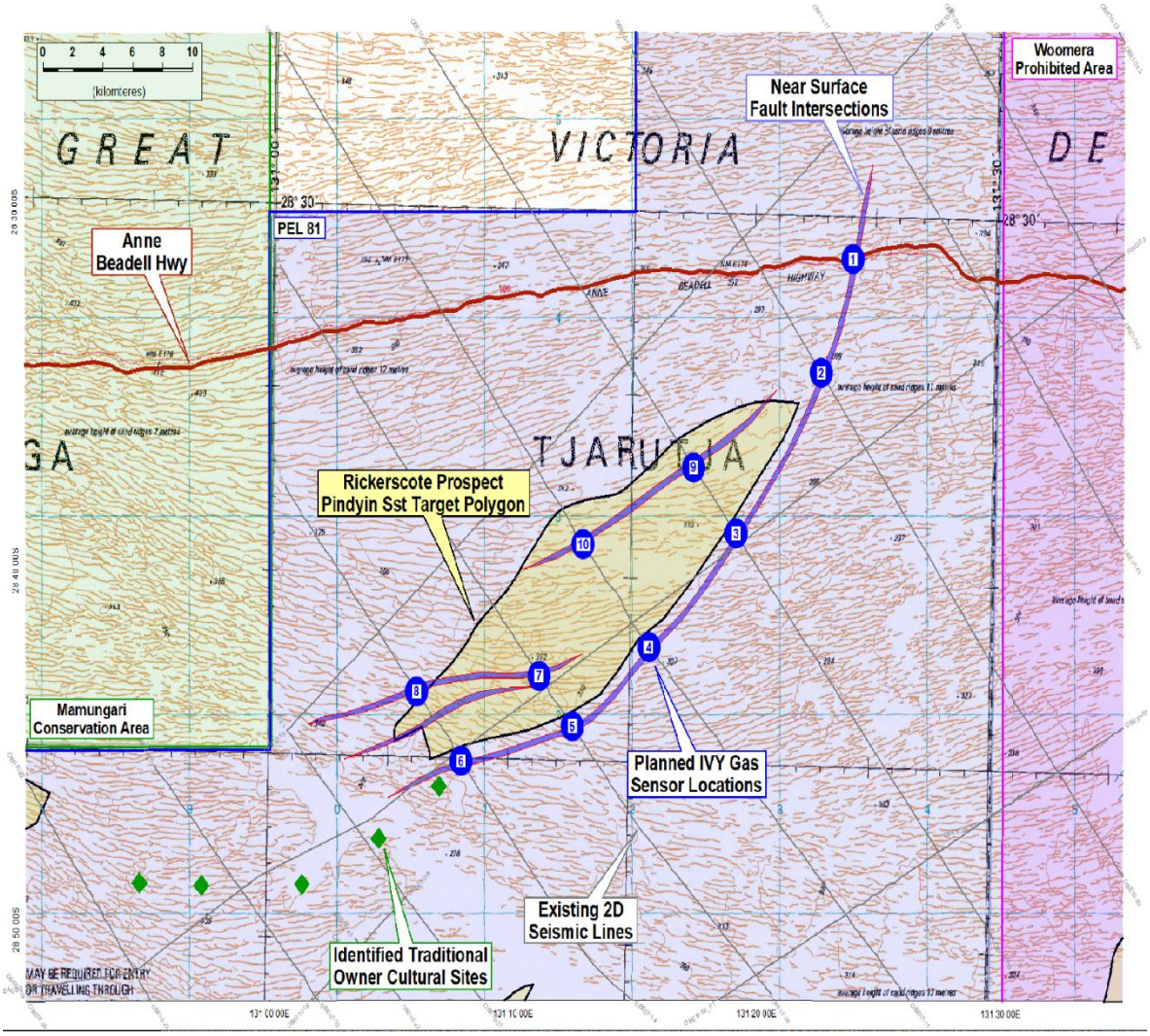

Figure 1: Map showing the candidate locations for the IVY sensors. 10 sensors were deployed on locations 3 (x2), 4(x2), 5 (x2), 6, 7, 9 and 10 to maximises the chance of intersecting the trust fault.

Figure 2 (left): An IVY hydrogen sensor deployed on site 4.

Figure 3 (below): A helicopter was used for the deployment of the sensors to minimize the time required to access the sites and reduce the impact of the survey.

This ASX announcement has been approved and authorised for released by the Board of Whitebark Energy Limited.

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