

Prominence Energy Commences First Field Survey at Gawler Helium and Hydrogen Project

Highlights

- **First on-ground exploration program commenced at the Gawler Helium and Hydrogen Project (South Australia)**
 - **Gawler Craton recognised as highly prospective for helium and natural hydrogen systems**
 - **Soil gas survey underway across PEL 803 (Eyre Project) targeting helium, hydrogen and methane**
 - **Low-cost program designed to rapidly screen large areas and prioritise drill-ready targets**
 - **Timing aligned with increasing global demand and supply constraints for helium**
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Prominence Energy Ltd (ASX: PRM) (“Prominence” or “the Company”) is pleased to announce the commencement of its first on-ground exploration program at the Gawler Hydrogen and Helium Project in South Australia.

The field campaign involves a targeted soil gas survey across Petroleum Exploration Licence (“PEL”) 803 within the Eyre Project, measuring helium, hydrogen, and methane concentrations to identify active subsurface gas systems. The program represents a key milestone in advancing exploration across Prominence’s ~64,000 km² Gawler Hydrogen and Helium Project portfolio.

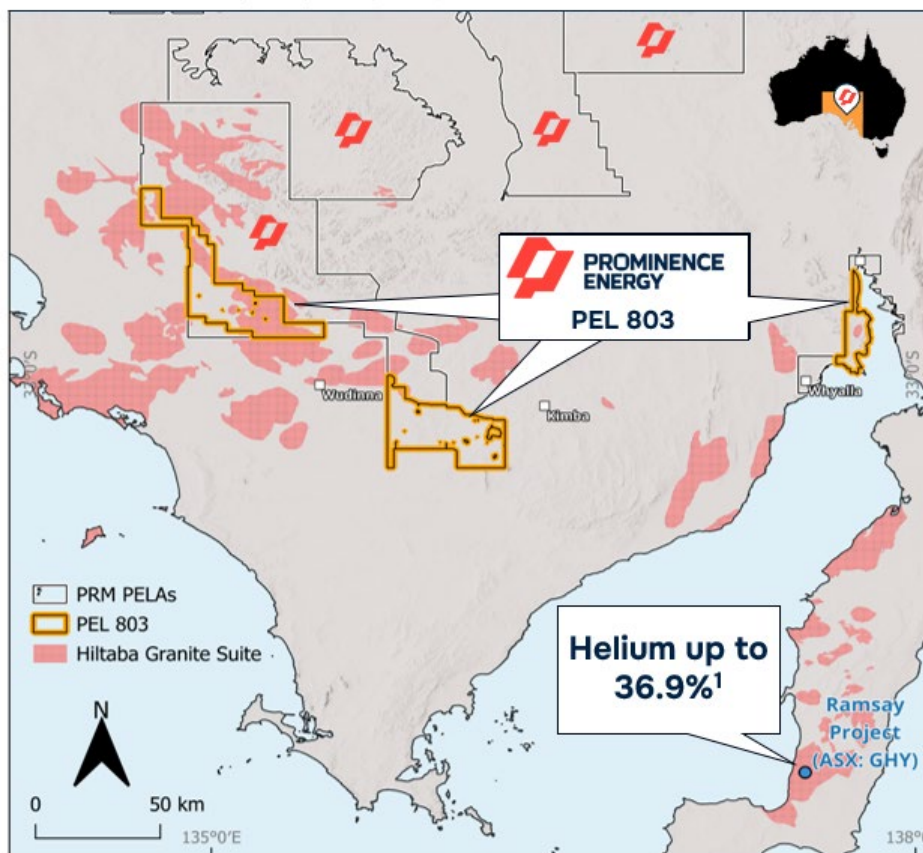
The Gawler Craton is widely recognised as a highly prospective region for helium and natural hydrogen, due to the presence of ancient radiogenic granites, iron-rich lithologies and deep crustal structures. These geological conditions are considered favourable for helium and hydrogen generation via water–rock reactions and radiolysis, with potential migration pathways along major structural corridors.

This initial survey is designed as a rapid, low-cost screening tool to evaluate large areas efficiently and generate high-resolution geochemical datasets. Results will be integrated with structural and geophysical models to prioritise areas for follow-up seismic surveys and drilling.

The soil gas survey is being conducted using a combination of manual sampling and autonomous monitoring technologies, enabling both spatial mapping and temporal analysis of gas concentrations. The program is expected to run over the coming weeks, with the results to be utilised in the next phase of exploration activities.

Prominence Energy remains focused on advancing a portfolio of helium and hydrogen opportunities across the Gawler Craton, positioning the Company at the forefront of an emerging global energy sector.

PRM acreage is geologically on trend with latest discoveries



¹ 2024a, ASX:GHY ASX Release October 17, 2024. Ramsay Project Helium Testing Update

Figure 1: Helium producing Hiltaba Granite source rocks: distribution across PEL 803 Soil Gas Survey Area and Yorke Peninsula over discoveries

Prominence Energy Chief Operating Officer, Dr Krista Davies said:

“The commencement of our first field survey at the Gawler Hydrogen and Helium Project is a significant and exciting step forward for Prominence. This program marks the transition from concept to execution, as we begin systematically evaluating one of the most prospective helium and natural hydrogen provinces globally.”

Importantly, the timing of this work aligns with increasing global supply constraints for helium, following the loss of key production sources (approximately 30% of global production has recently ceased) and growing demand from critical industries such as semiconductors, medical imaging and advanced manufacturing. At the same time, natural hydrogen is emerging as a potentially transformative low-cost, low-carbon energy source.

By deploying low-impact, data-driven exploration techniques, we will rapidly assess large areas and build a robust technical understanding of these systems.

We look forward to integrating the results from this program into our broader exploration workflow and advancing the Gawler Hydrogen and Helium Project towards drill-ready targets.”

Authorised for release by the Board of Prominence Energy Ltd.

About Prominence Energy

Prominence Energy Ltd is an ASX-listed energy company headquartered in Perth. PRM’s investment strategy is to identify very high ROI opportunities that can be secured at an early stage at close to “ground floor” valuations. In addition to conventional oil and gas projects, PRM considers helium, green energy and clean hydrogen opportunities.

About Natural Hydrogen

Natural hydrogen (also known as white or geologic hydrogen) is formed from natural processes within the earth and accumulates underground. It can be identified using conventional, low-cost, non-invasive exploration methods and represents a zero-carbon fuel, producing only water vapour when combusted.

About Helium

Helium is a naturally occurring noble gas generated through the radioactive decay of uranium and thorium within ancient crustal rocks, particularly Archean granites. Helium is a high-value, non-renewable resource with essential applications in medical imaging, semiconductor manufacturing, space technologies and cryogenics, and is currently subject to global supply constraints.

Forward-looking Statements

This document may contain certain forward-looking statements which are based on Prominence Energy Ltd's expectations, estimates and assumptions as at the date of this document. Forward-looking statements are subject to risks and uncertainties that may cause actual results to differ materially from those expressed or implied. These risks include, but are not limited to, geological and technical uncertainties, operational and regulatory outcomes, environmental conditions and market factors. Forward-looking statements speak only as at the date of this document and Prominence undertakes no obligation to revise or update them to reflect future events or circumstances.