HyTerra Limited
Unit 6, 335 Hay Street
Subiaco Western Australia 6008
ASX: HYT

Phone +61 8 6478 7730
info@hyterra.com
ACN 116 829 675
hyterra.com

20th May 2024

ASX RELEASE

New leasing significantly increases Nemaha Project acreage

Highlights

- 3,113 net acres leased in area geologically contiguous to Sue Duroche 2 well, with up to 92% hydrogen and 3% helium occurrences*
- Additional leases result in a >30% increase to the 100% owned and operated Nemaha Project lease holdings
- The Company is in discussions with landowners and stakeholders to further lease acreage prospective for hydrogen and helium in Kansas and will update the market in due course.

HyTerra Ltd (ASX: HYT) (**HyTerra** or the **Company**) is pleased to announce the acquisition of additional exploration leases in its Nemaha Project, Kansas. Current net exploration lease acreage increases from 9607 to 12,720 acres. HyTerra plans to continue leasing high-priority acreage and drill two exploration wells commencing in Q3'24.

The leases are in Wabaunsee County and within an area geologically contiguous with the Sue Duroche 2 well (2009) which has published occurrences of up to 92% hydrogen and 3% helium*. The leases are covered by the airborne geophysical survey acquired by HyTerra in 2023 and existing seismic data. HyTerra's datasets link the new leases with the existing leases near the Sue Duroche 2 well and provide promising subsurface definition of the geology and the prospectivity of white hydrogen and helium.

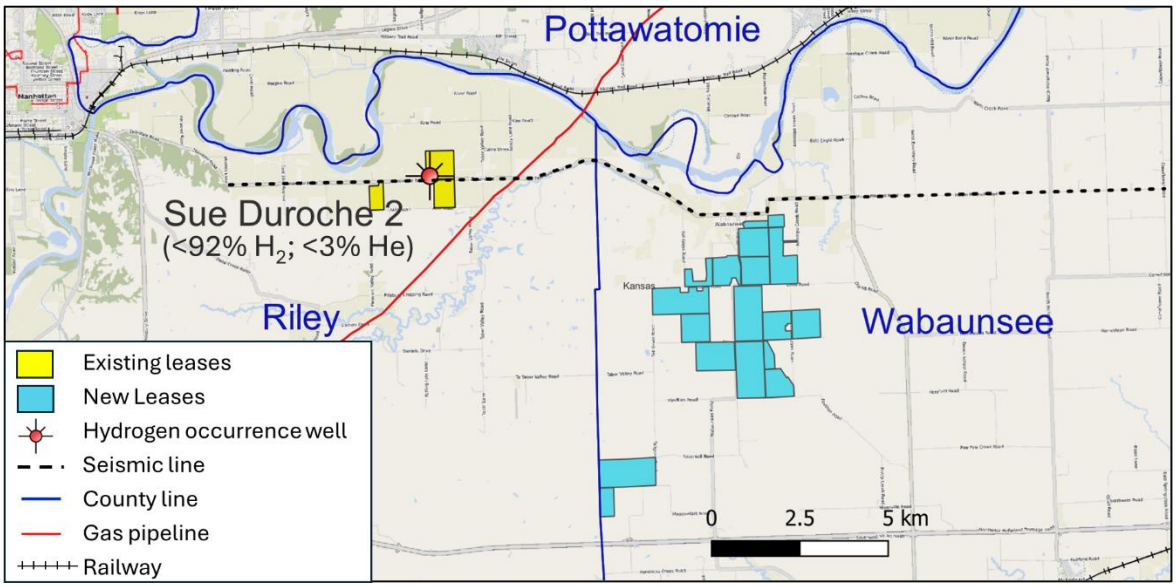


Figure 1: Location map showing HyTerra's additional Wabaunsee County exploration leases

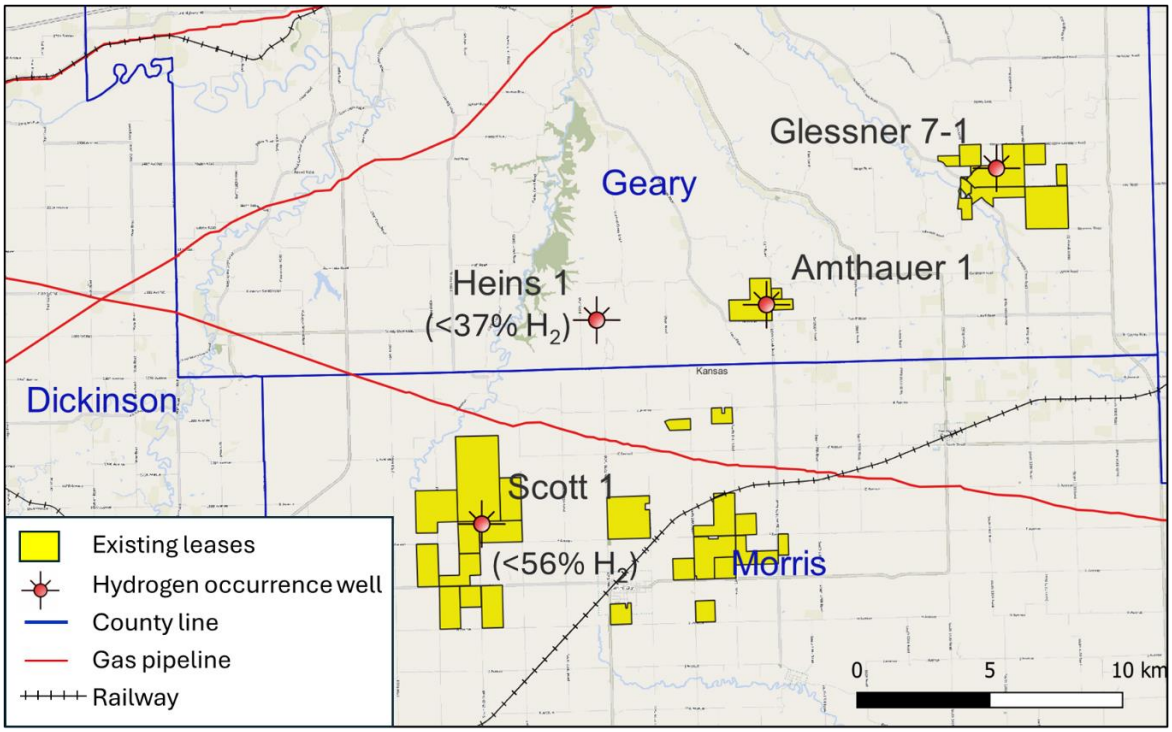


*Figure 2: Location map showing HyTerra's existing Morris and Geary County exploration leases with historic hydrogen occurrence wells Heins 1 and Scott 1**

HyTerra appreciates the cooperative relationship it holds with landowners and stakeholders in Kansas and looks forward to working together as exploration activity progresses.

This announcement has been authorised for release by the Board of Directors.

Benjamin Mee
Executive Director
ben@hyterra.com

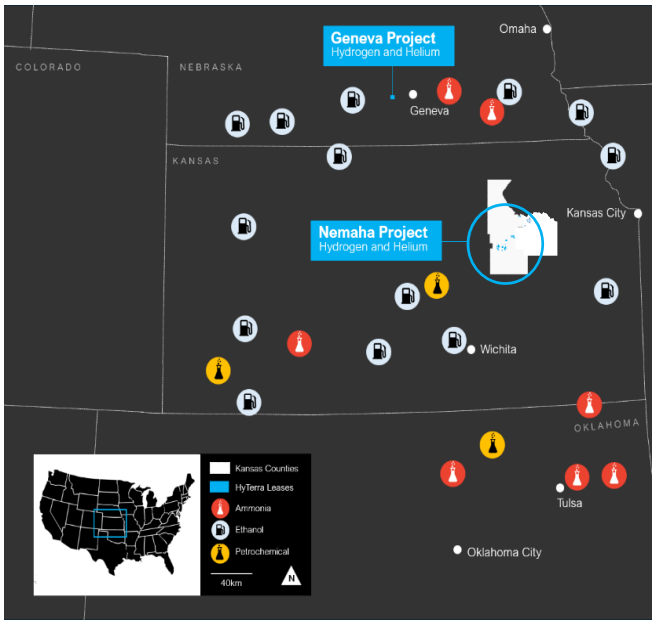
Avon McIntyre
Executive Director + CTO
avon@hyterra.com

** H_2 & He % reflects occurrences of published gas analyses recovered from the wellbore. Uncertainty remains on historic well operations, sampling techniques, and analyses. The values are considered up to a % of H2 or He. Sue Duroche 2 well gas composition is from Guelard J, Beaumont V, Guyot F, Pillot D, Jezequel D, Ader M, et al. Natural H2 in Kansas: deep or shallow origin? Geochem Geophys Geosyst G3 2017; 18. Scott 1 and Heins 1 well gas composition is from: Coveney, R. M. J., E. D. Goebel, E. J. Zeller, G. A. M. Dreschhoff, and E. E. Angino (1987), Serpentization and origin of hydrogen gas in Kansas, Am. Assoc. Pet. Geol. Bull., 71(1), 39–48.*

HYTERRA. A WORLD OF OPPORTUNITY.

Exploring for natural hydrogen and helium resources near major industrial hubs

White hydrogen's potential as a low-carbon feedstock or fuel has spurred millions in new investment and created a world rich with opportunities for first movers.



HyTerra was the first company to list on the ASX with a focus on white hydrogen, which is generated naturally by the Earth. White hydrogen potentially has much lower production costs and carbon emissions than man-made hydrogen.

Our Nemaha Project in Kansas, USA, holds 100% owned and operated leases across the emerging Nemaha Ridge natural hydrogen and helium play fairway. Our Geneva Project in Nebraska, USA, is a 16% earn-in interest in a Joint Development with Natural Hydrogen Energy LLC targeting natural hydrogen and helium.

Both projects could be connected via railways, roads, and/or pipelines to multiple nearby off-takers, including ethanol and ammonia manufacturers, and petrochemical plants.

For more information please see: www.hyterra.com