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

Phone +61 8 6478 7730
info@hyterra.com
ABN 68 116 829 675
hyterra.com

10th June 2025

ASX RELEASE

Nemaha Project Operational Update

- **Blythe 13-20 well was completed on time, on budget, with no HSE incidents. The wireline logging operations were completed over the weekend. The total depth of the well is almost two and half times deeper than the nearby historic Scott-1 (1982) which reported hydrogen concentrations of up to 56%[1] in the sedimentary section.**
- **The well was targeting a new geological play for both hydrogen and helium within HyTerra's 100% owned and operated Nemaha Project acreage.**
- **Mud gas log readings at various depths in Blythe 13-20 indicate the presence of a hydrogen and helium play in this area[2]. Mud gas samples from surface are being sent to IsoTech Laboratories Inc. for independent verification and compositional analysis.**
- **Blythe 13-20 will now be converted to an appraisal well in coming weeks based on initial observations from both Sue Duroche 3 and Blythe 13-20.**
- **The Company has also decided to add a third well, McCoy 1, to this drilling programme based on the initial observations from the first well, Sue Duroche 3, located 9 km to the west. This well was converted immediately into an appraisal back in May.**
- **Murfin 116 drilling rig will mobilise to the McCoy 1 well site following a scheduled crew break.**

HyTerra Limited (ASX: HYT) (**HyTerra** or the **Company**) has increased the firm wells in the drilling sequence to a total of three wells to be drilled between April and July 2025 at the Nemaha Project in Kansas, USA. These wells are the first steps for the Company in executing a comprehensive 12-month exploration work program designed to unlock the potential of natural (white) hydrogen in Kansas through its 100% owned and operating subsidiary HYT Operating LLC. This exploration program funding is sourced from an investment in the Company by Fortescue Future Industries Technologies Pty Ltd.

[1] Guelard, J., Beaumont, V., Rouchon, V., Guyot, F., Pillot, D., Jezequel, D., et al., 2017. Natural H_2 in Kansas: deep or shallow origin? Geochem. Geophys. Geosyst. 18, 1841-1865. 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 H_2 or He

[2] Mud gas logs and samples carry residual uncertainty due to the nature of gas detection, drilling parameters and equipment, and behaviour of the gas due to geological and operational processes. Samples are air corrected to account for atmospheric contamination when collected at surface. Corrected hydrogen values were reported by Isotech Laboratories Inc. in Champaign, Illinois, and corrected helium values were calculated by HyTerra using a methodology endorsed by Isotech Laboratories Inc.

Blythe 13-20 Update

The Company is pleased to announce that Blythe 13-20 was drilled to a total depth of 5,300ft mDKB (1,615m) on time, on budget, with no HSE incidents. The well drilled through approximately 3,028ft (923m) of sedimentary rocks and 2,272ft (692m) of Pre-Cambrian basement. Blythe 13-20 well was drilled into a new geological play in the Company's acreage. The Blythe 13-20 well site is located around 1,400m east of the historic Scott-1 well drilled in 1982, which reported hydrogen concentrations of up to 56% in the sedimentary section[1]. The drilling depth reached was 3,100 ft (945m) mDKB deeper than Scott-1 well. The Company has 6,860 net acres in close vicinity to the well site.

Figure 1: Blythe 13-20 (background) well site is located around 1,400m east of the historic Scott-1 well (foreground) drilled in 1982.

An extensive formation evaluation program was executed by Schlumberger (**SLB**). This program entailed recording mud gas log data in real time during drilling, mud gas samples collected at surface, extensive wireline logging, and cuttings. The learnings from Sue Duroche 3 and detailed pre-planning resulted in a successful data acquisition program.

The real time mud gas log recorded hydrogen and helium gas readings at different intervals when drilling, indicating the presence of a hydrogen and helium play in this area[2]. The mud gas samples collected at surface are now being sent to an independent laboratory (Isotech Laboratories Inc.) for verification and quantification at which time the results will be released to the market.

Operations Lookahead

The Company has decided to add a third well McCoy 1 to this drilling programme based on the initial observations from Sue Duroche 3. Independent laboratory analyses verified concentrations of up to 96% hydrogen and 5% helium from Sue Duroche 3 mud gas samples[2]. The well was converted immediately into an appraisal well back in May. The well is located 9km from the McCoy 1 site location.

The Murfin 116 drilling rig will then be prepared to mobilise to McCoy 1 in June. The field crew will now take a short break to avoid crew change out and maintain continuity across the entire exploration well campaign as best practice. McCoy 1 is expected to spud by end-June 2025.

Based on initial observations from both Sue Duroche 3 and Blythe 13-20, the Company will start planning a re-entry of the Blythe 13-20 to convert it to an appraisal well in coming weeks.

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

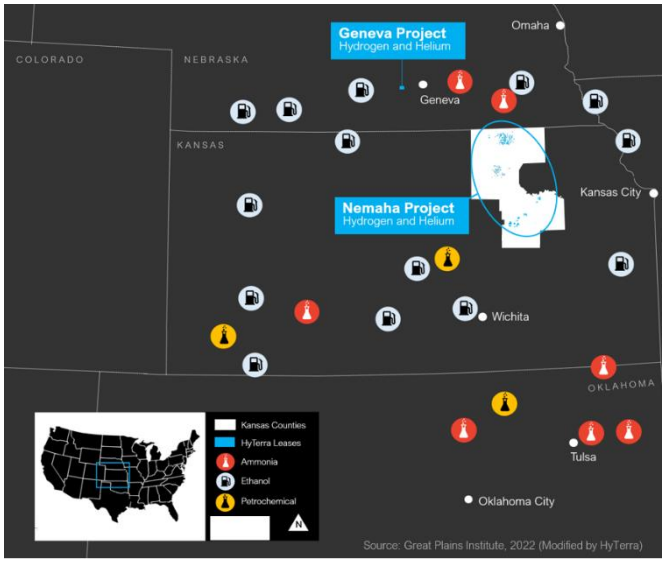
For more information:

Benjamin Mee
Executive Director
info@hyterra.com

Avon McIntyre
Executive Director
info@hyterra.com

HyTerra. A World of Opportunity.

Exploring for natural hydrogen and helium resources near major industrial hubs. 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 existing transport infrastructure to multiple nearby off-takers, including ammonia manufacturers, and petrochemical plants.

For more information please see the latest corporate presentation: www.hyterra.com

Important Risk Commentary:

It is important to note that there remains both geological and potential development risks with these projects and the Company's commercial and business objectives. This is an emerging frontier with the potential to unlock significant low-carbon hydrogen gas supplies but with equally significant risk and uncertainty. Key risks include the presence, concentrations, recovery, and commercial potential of both hydrogen and helium gases. *For more information on risks please refer to the ASX release 'Entitlement Issue Prospectus' on April 8th, 2024: https://wcsecure.weblink.com.au/pdf/HYT/02793318.pdf.*

Forward Looking Statements:

This release may contain forward-looking statements. These statements relate to the Company's expectations, beliefs, intentions or strategies regarding the future. These statements can be identified by the use of words like "anticipate", "believe", "intend", "estimate", "expect", "may", "plan", "project", "will", "should", "seek" and similar words or expressions containing same. These forward-looking statements reflect the Company's views and assumptions with respect to future events as of the date of this release and are subject to a variety of unpredictable risks, uncertainties, and other unknowns. Actual and future results and trends could differ materially from those set forth in such statements due to various factors, many of which are beyond our ability to control or predict. These include, but are not limited to, risks or uncertainties associated with the discovery and development subsurface gas reserves, cash flows and liquidity, business and financial strategy, budget, projections and operating results, gas prices, amount, nature and timing of capital expenditures, including future development costs, availability and terms of capital and general economic and business conditions. Given these uncertainties, no one should place undue reliance on any forward-looking statements attributable to HyTerra, or any of its affiliates or persons acting on its behalf. Although every effort has been made to ensure this release sets forth a fair and accurate view, we do not undertake any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. Nothing contained in this announcement, nor any information made available to you is, or and shall be relied upon as, a promise, representation, warranty or guarantee as to the past, present or the future performance of HyTerra.