

13 November 2025

Helix Exploration PLC
(*"Helix Exploration" or "Helix" or the "Company"*)

Project Update at Rudyard Project - Rig Secured for Rudyard Re-Entry and Coring Program

Helix Exploration PLC, the helium exploration and development company with near-term production assets within the 'Montana Helium Fairway', is pleased to announce that it has secured a drilling rig to re-enter the Inez #1 well at its flagship Rudyard Project.

The operation represents the next step in evaluating the Rudyard subsurface system for potential hydrogen resources, supported by previous findings of mantle helium signatures and rock chemistry conducive to natural hydrogen generation.

Highlights

- **Rig Secured for Re-Entry:** Helix has finalised a rig contract to re-enter the Inez #1 commencing the week of 17 November 2025.
- **Targeting Hydrogen Source Rocks:** The Company will remove existing production tubing and drill through to total depth, coring an additional 30-40 feet of ultramafic rock - the critical rock type responsible for natural hydrogen generation.
- **Evidence of Deep Mantle Connection:** As announced on 16 October 2025, geochemical studies have confirmed a $^3\text{He}/^4\text{He}$ ratio of 0.74 R_a , representing a ~9 % mantle helium component and one of the highest ratios recorded in the continental United States outside Yellowstone.
- **Hydrogen Potential:** The combination of altered ultramafic lithologies, mantle helium, and active fluid pathways makes Rudyard one of the most scientifically compelling and economically attractive natural hydrogen prospects in North America.
- **Helium Production Integration:** Following coring operations, Helix will perforate the entire Souris River zone to complete the well for helium production, enabling helium bearing gas to supply the Company's new PSA/Membrane processing plant in Rudyard.

Background

Natural hydrogen is the cleanest and most cost-effective hydrogen on Earth, generated deep underground by simple natural reactions between water and ultramafic rock - with zero carbon emissions. Unlike synthetic hydrogen ("grey hydrogen") produced from fossil fuels, geological hydrogen offers a self-recharging, emission-free resource.

Helix intends to deliver near-term helium revenue while pioneering one of North America's first commercial natural hydrogen discoveries.

Bo Sears, Chief Executive Officer of Helix Exploration, commented:

"Coring the ultramafic interval in the Inez #1 well represents a defining moment for Helix. Laboratory results from our XRD, XRF, and Mössbauer analyses identified that these rocks are actively undergoing, or have undergone, alteration processes capable of generating hydrogen. The rock exhibits a composition and geochemical balance consistent with systems known to generate hydrogen through natural alteration processes that can remain active over long geological timescales. To my knowledge, no better rock has been encountered in the United States for geological hydrogen exploration. We believe these core samples will be the first ever taken from an ultramafic zone at this depth in the U.S., and they provide a rare opportunity to study a live hydrogen-forming system in place. While our immediate focus is on coring this lower hydrogen interval, we will also be testing the upper Souris River for helium production. Together, these efforts advance our goal of unlocking two clean energy resources-helium and hydrogen-from the same subsurface system."

This announcement contains inside information for the purposes of the UK Market Abuse Regulation, and the Directors of the Company are responsible for the release of this announcement.

Enquiries

Helix Exploration

Bo Sears
Keith Spickelmier

via Camarco
info@helixexploration.com

Cairn - Nominated Adviser

Liam Murray
Ludovico Lazzaretti
James Western

+44 (0)20 7213 0880

Hannam & Partners - Joint Broker

Neil Passmore
Leif Powis

+44 (0)20 7907 8502

Tavira Financial - Joint Broker

Chris Kipling
Oliver Stansfield
Jonathan Evans

+44 (0)20 7100 5100

Camarco - Financial PR

Tilly Butcher
Sam Morris
Billy Clegg

+44 (0)20 3757 4980

helixexploration@camarco.co.uk

Notes to Editors

Helix Exploration is a helium exploration company focused on the exploration and development of helium deposits within the 'Montana Helium Fairway'. Founded by industry experts with extensive experience of helium systems in the US, the Company listed in April 2024.

Helix is focused on production at its Rudyard Project in northern Montana, taking advantage of existing infrastructure and low-cost processing to target first gas in 2025. The Company has four production wells targeting up to 236ft Helium / Nitrogen gas in the Souris and Red River formations, flowing up to 3,800 Mcf/day at 1.2% helium. Rudyard field can support multiple production wells and has potential to generate net revenue of 115 - 220 million over a 12.5 year life of field.

Helix is committed to open and transparent communication with investors and the wider market as the project progresses through development into production.

"Our approach is simple: build scale efficiently, develop resources strategically, and deliver near-term cash flow." CEO - Bo Sears

The Company's Admission Document, and other information required pursuant to AIM Rule 26, is available on the Company's website at <https://www.helixexploration.com/>.

Caution regarding forward looking statements

Certain statements in this announcement, are, or may be deemed to be, forward looking statements. Forward looking statements are identified by their use of terms and phrases such as "believe", "could", "should", "envisage", "estimate", "intend", "may", "plan", "potentially", "expect", "will" or the negative of those, variations or comparable expressions, including references to assumptions. These forward-looking statements are not based on historical facts but rather on the Directors' current expectations and assumptions regarding the Company's future growth, results of operations, performance, future capital and other expenditures (including the amount, nature and sources of funding thereof), competitive advantages, business prospects and opportunities. Such forward looking statements reflect the Directors' current beliefs and assumptions and are based on information currently available to the Directors.

This information is provided by RNS, the news service of the London Stock Exchange. RNS is approved by the Financial Conduct Authority to act as a Primary Information Provider in the United Kingdom. Terms and conditions relating to the use and distribution of this information may apply. For further information, please contact ms@seg.com or visit www.ms.com.

RNS may use your IP address to confirm compliance with the terms and conditions, to analyse how you engage with the information contained in this communication, and to share such analysis on an anonymised basis with others as part of our commercial services. For further information about how RNS and the London Stock Exchange use the personal data you provide us, please see our [Privacy Policy](#).

END

MSCUUSARVRUAAUA