Noble Helium Limited
ACN 603 664 268
Level 10, 127 Creek Street
Brisbane Queensland 4000

E: info@noblehelium.com.au
www.noblehelium.com.au

ASX Release

8 August 2024

Exploration to mature multiple shallow onshore free gas helium targets to drillable status

Highlights

- Field exploration ready to commence, following the identification of shallow onshore free gas helium targets within the Western Rukwa Upper Lake Beds zone.
- On-site support from the University of Dar es Salaam School of Mines and Geosciences and BGP International Tanzania.
- Geophysics program to complete by 3Q 2024, aiming to delineate the structures and confirm presence of free gas.
- All matured shallow free gas helium targets can be drilled and tested this dry season.

Noble Helium Limited (ASX:NHE) is pleased to advise that the UDSM and BGP teams are now on site and the shallow geophysics data acquisition across the eight potential free gas helium targets is about to commence.

Noble Helium studies demonstrate high potential for shallow gas accumulations on the western margin with the potential to deliver commercial helium flow rates from high quality reservoirs. Following identification of the eight additional potential shallow free gas Helium targets onshore (see Figure 1 below), Technical Director Justyn Wood will be accompanied by teams from the University of Dar es Salaam School of Mines and Geosciences and BGP International Tanzania to undertake shallow seismic and electrical resistivity surveys.

The objective of the geophysics program is to more clearly delineate the structures, confirm the likely presence of free gas and identify a number of optimal drilling locations. It is anticipated that the geophysics program will take approximately 4-6 weeks to complete.

The Company is also progressing the rig contract ahead of the drilling phase of the appraisal program.

Shaun Scott, Managing Director & CEO said "*We are pleased to continue our strong working relationship with the very capable teams at UDSM and BGP. They have been extremely responsive and moved quickly to deploy resources to the field for this important stage of the Company's development. It is an exciting time for all stakeholders as we prepare to drill multiple potential shallow free gas helium targets*."

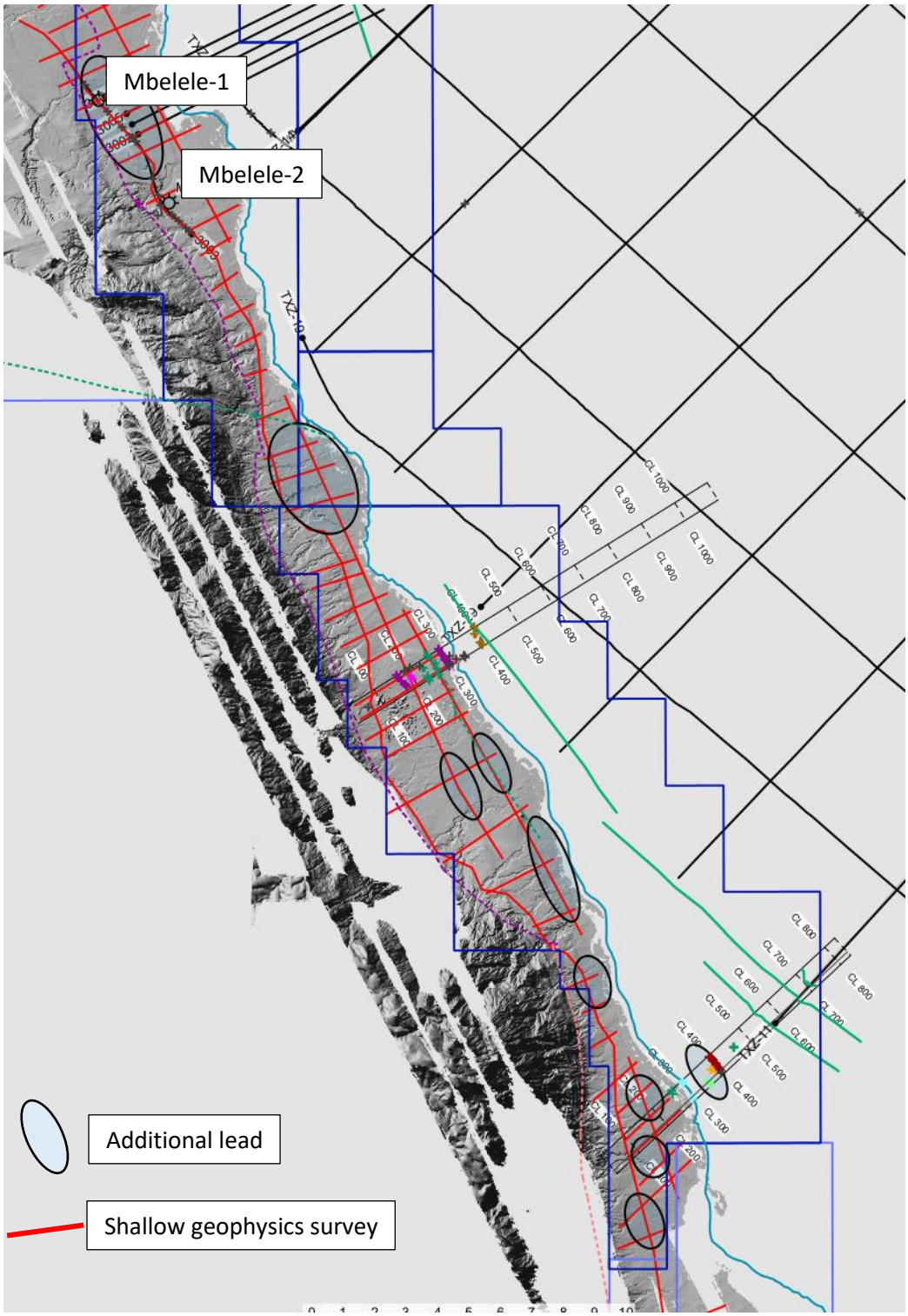


Figure 1. Western Lake Bed Zone – additional potential free gas Helium targets

This announcement has been authorised for release on ASX by Noble Helium's Board of Directors.

For further information:

Shaun Scott
Managing Director & CEO
Noble Helium Limited
info@noblehelium.com.au

Gareth Quinn
Managing Director
Republic PR
gareth@republicpr.com.au
+61 407 711 108

Forward-looking statements

This announcement may contain certain "forward-looking statements". Forward looking statements can generally be identified by the use of forward-looking words such as, "expect", "should", "could", "may", "predict", "plan", "will", "believe", "forecast", "estimate", "target" and other similar expressions. Indications of, and guidance on, future earnings and financial position and performance are also forward-looking statements. Forward-looking statements, opinions and estimates provided in this presentation are based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions. Forward-looking statements including projections, guidance on future earnings and estimates are provided as a general guide only and should not be relied upon as an indication or guarantee of future performance.

Competent Persons Statement

The technical information provided in this announcement has been compiled by Professor Em. Andrew Garnett, Non-Executive Chairman, and Mr. Justyn Wood, Executive Director, all of Noble Helium Limited. Any resource estimates have been prepared in accordance with methodologies and where appropriate the definitions and guidelines set forth in the Petroleum Resources Management System, 2018, approved by the Society of Petroleum Engineers.

Mr Wood is a qualified geoscientist with over 30 years technical, and management experience in exploration for, appraisal and development of, oil and gas resources. Mr Wood qualifies as a Competent Person in accordance with the ASX listing rules and has reviewed the results, procedures and data contained in this announcement and consents to the inclusion in this announcement of the matters based on the information in the form and context in which it appears.

Cautionary Statement for Prospective Resource Estimates

With respect to any Prospective Resource estimates contained within this report, it should be noted that the estimated quantities of gas that may potentially be recovered by the future application of a development project relate to undiscovered accumulations. These estimates have an associated risk of discovery and risk of development. Further exploration and appraisal is required to determine the existence of a significant quantity of potentially moveable helium.

Green helium for a high-tech world.

Noble Helium is answering the world's growing need for a primary, ideally carbon-free, and geo-politically independent source of helium. Located along Tanzania's East African Rift System, the Company's four projects are being advanced according to the highest ESG benchmarks to serve the increasing supply chain fragility and supply-demand imbalance for this scarce, tech-critical and high-value industrial gas.

Priced at up to 50 times the price of LNG in liquid form, helium is now essential to many modern applications as an irreplaceable element in vital hi-tech products such as computer and smartphone components, MRI systems, medical treatments, superconducting magnets, fibre optic cables, microscopes, particle accelerators, and space rocket launches – NASA is a major consumer. Rising demand and constrained supply are fuelling growth prospects within the global marketplace, particularly for cleaner "green helium" sourced from non-carbon environments. At present, more than 95% of the world's helium is produced as a by-product of the processing of hydrocarbon-bearing gas.

