

## **Drilling Update at Nooitgedacht in South Africa**

### **HIGHLIGHTS**

- D3 Energy has successfully spudded the second of the two planned wells NGT245 D at the Nooitgedacht area, within the northwestern part of D3 Energy's 100%-owned ER315 permit, Free State, South Africa
- NGT245 E, the first well in the program, has successfully been drilled to a total depth of 363m on time and budget without any safety incidents.
- The target gas zone was successfully intersected and gas flowed to surface prior to the rig moving off the well and logging commencing.
- NGT245 E will be further evaluated and tested once the intermediate casing has been installed following the drilling of the NGT245 D well.

**D3 Energy Limited (ASX: D3E) (OTCQX: DNRGF) ("D3 Energy" or "the Company")** is pleased to announce the successful spudding of the second of two planned wells at Nooitgedacht NGT245 D, located within the ER315 permit in the Free State, South Africa. This marks the next stage of the Company's ongoing exploration and appraisal programme aimed at increasing the company's reserve base in ER315 and converting additional exploration right areas (ER's) to production rights.



### **Drilling operations at NGT245 D**

The Nooitgedacht area is located approximately 43 km to the north of the Bloemskraal area where the Company has already booked reserves to underpin a Production Right application lodged last

year and is positioned along the Homestead Fault that traverses through the northern section of ER315.

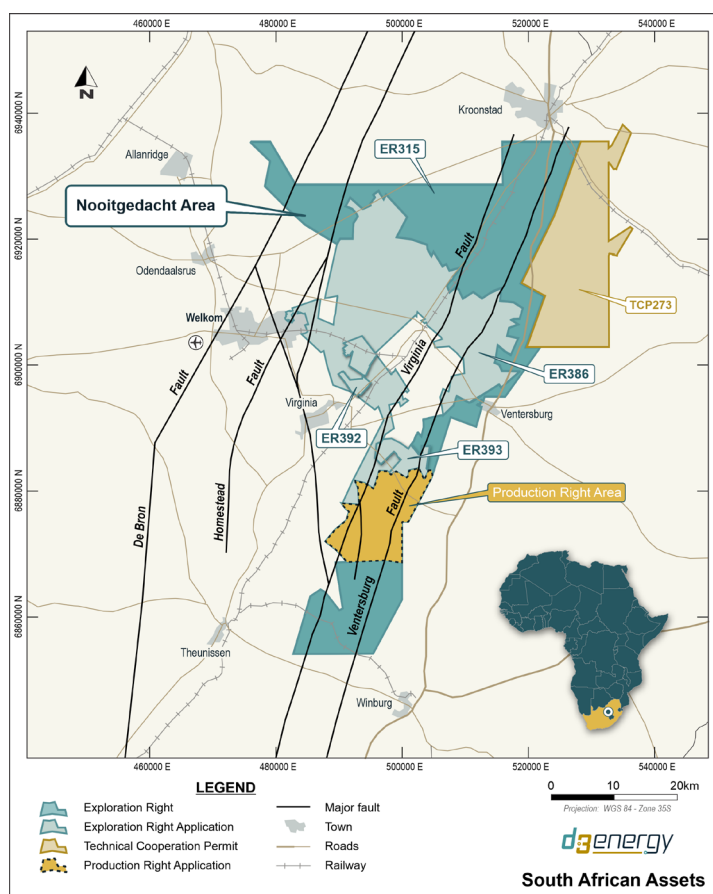
The first of two wells, NGT245 E was drilled to a total depth of 363 m on time and budget and successfully intersected the target gas zone. The well flowed gas to surface prior to the rig moving off to the next drilling location to allow logging to commence. The drill rig will return to install the intermediate casing following the completion of drilling at NGT245 D.

NGT245 D was spudded 30 July 2026 and has been drilled to a depth of 80 m and the surface casing has been installed. Drilling to the target formations and total depth will continue this week prior to the well being logged and the intermediate casing being installed.

The two wells will target the faulting and associated fractures in the Ventersdorp and Witwatersrand formations to further assess the reservoir's deliverability and to collect additional data on helium and methane concentrations. The Company also plans to commence a 2D seismic program at the Nooitgedacht area in the coming weeks that will add to the geological understanding of the area.

**D3 Energy's Managing Director and CEO, Mr David Casey commented:** *"The spudding of our second well in short succession highlights the very low-cost efficient nature of drilling these wells and our operations in general.*

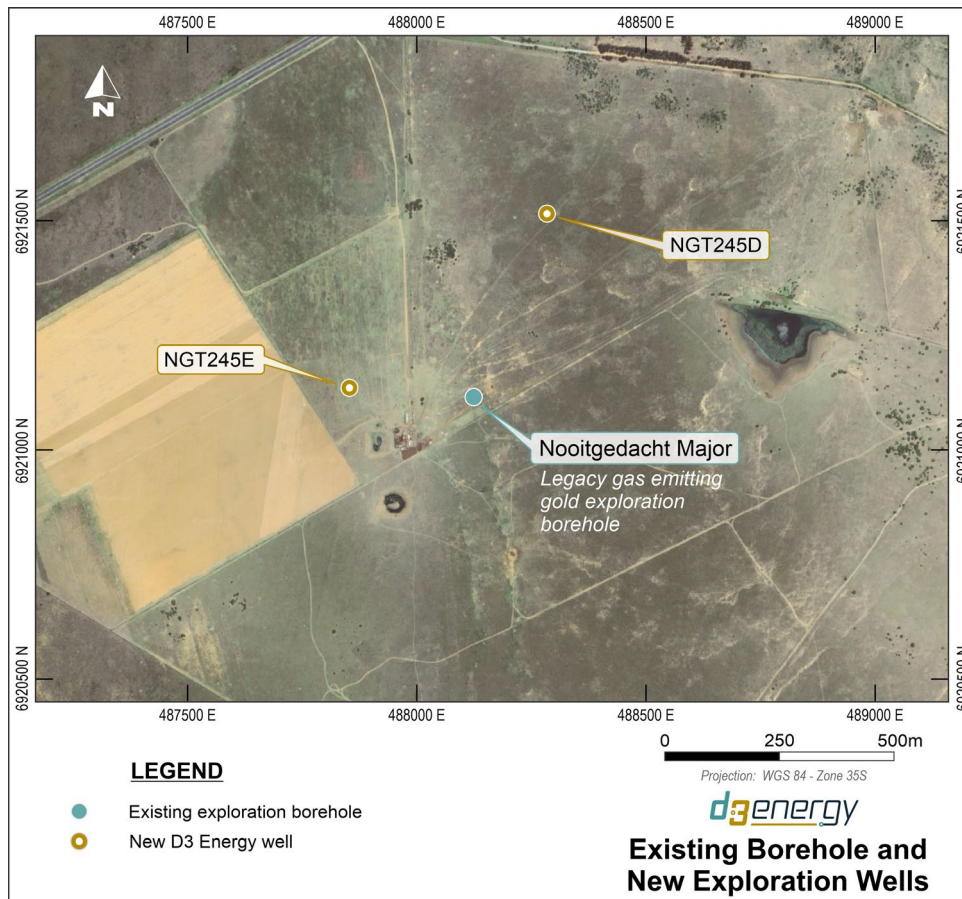
*It is also incredibly pleasing to have successfully intersected the targeted gas-bearing fracture zones as planned and is a very good first step as we look to build upon and extend the Company's ER315 reserve base 40 km to the north of our existing Production Right application area."*



**Figure 1: Nooitgedacht location within ER315**

## NGT245 D Drilling Overview

NGT245 D is located near the previously tested Nooitgedacht Major borehole and is budgeted to cost approximately A\$200,000 to drill and complete. Upon the successful intersection of gas, NGT245 D will undergo production testing, which will provide critical insights for the ongoing development of ER315. The results will inform key decisions regarding well interference, spacing, and the future submission of additional Production Right applications to the South African authorities.



**Figure 2: Well Location Map including NGT245 D location**

## Background

D3 Energy holds a 479,409-acre land position across the Free State Province of South Africa, comprising ER315, PR016, Exploration Right Applications ER386, ER391, ER392 and ER393 and Technical Cooperation Permit TCP273. The Company's flagship ER315 permit has delivered independently verified helium concentrations of up to 8% and is the subject of a Production Right Application (PR016) currently under assessment by South Africa's Petroleum Agency SA (PASA).

The initial Production Right Application area covers 15% of ER315 and approximately 9% of D3 Energy's total exploration right acreage, with the balance of the land position, including ER386, representing the Company's broader appraisal and development pipeline. ER386 is contiguous with

ER315 and is located within the same Virginia Fault structural corridor that hosts D3 Energy's certified reserves and contingent resources at ER315 and PR016.

**Authorised for release by the Board of Directors of D3 Energy Limited**

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**About D3 Energy Limited**

D3 Energy (ASX: D3E) is an Australian-listed helium and natural gas exploration company with a primary focus on the development of its flagship assets, ER315, PR016 and ER386, located in South Africa's Free State Province. ER315, PR016 and ER386 contain certified reserves and significant contingent and prospective resources and continues to deliver strong technical results, positioning D3 Energy as a key player in the global energy transition.

In addition to its South African operations, D3 Energy expanded into Australia through the strategic acquisition of highly prospective helium and hydrogen permits in the Arckaringa Basin, further broadening its international footprint in critical gases while maintaining a clear focus on advancing ER315 toward development.