

ASX ANNOUNCEMENT

17 November 2023

Execution of EP 258 Section 31 Deed

Top End Energy Limited (**Top End** or the **Company**) (ASX:TEE) is excited to announce that the Section 31 Deed for Exploration Permit (**EP**) 258 (the **Permit**) has now been executed, representing the last hurdle ahead of formal ministerial grant of the Permit.

HIGHLIGHTS

- Execution of key statutory deed between the Company, the native title party, the NLC and the NTG
- Final step for achieving formal grant of EP 258, which would represent the first EP to be granted in the Northern Territory since 2015
- Initial exploration activities provisioned to commence following receipt of grant
- Post-grant exploration program designed to confirm the extension of the Velkerri Shale, the target for operators in the nearby highly prospective Beetaloo Basin, and presence of the conventional Bessie Sandstone formation on the Permit, as well as targets for Natural Hydrogen and Helium

SECTION 31 DEED FOR EP 258

The Company announced in June 2023 that it¹ had entered into the agreement which governs the terms and conditions for exploration on the Permit (the **Exploration Agreement**) with the Top End (Default PBC/CLA) Aboriginal Corporation (**Top End PBC**)². The Top End PBC is the native title body corporate acting as the agent for the native title holders of EP 258. The Company continues to comply with its obligations under the Exploration Agreement.

While the Exploration Agreement was a critical milestone in the granting process, formal ministerial grant of the Permit relies on the execution of a Section 31 Deed (the **Deed**), to which the Company, the Top End PBC, the Northern Land Council (**NLC**) and the Northern Territory Government (**NTG**) are all parties. The Deed is a statutory document which the NTG relies upon for consent of the native title party to the grant of the Permit under the Native Title Act. The process for agreeing the form of the Deed has been more protracted than the Company's management expected, given the significant length of time since

¹ Territory Gas Aust Pty Ltd, the Company's ~58% owned subsidiary, is the party to the Exploration Agreement.

² Please see ASX announcement "Execution of EP 258 Exploration Agreement" (13 June 2023).

an EP was last granted. Nonetheless, the Company is pleased to announce that the Deed has now been executed by all parties.

The Permit is now with the Minister for Mining and Industry for formal grant.

EP 258

In parallel with the native title process and in anticipation of achieving Permit grant, the Company has dedicated time and resources preparing for its initial exploration activities.

In March 2023, the Company announced the engagement of Xcalibur Aviation to undertake the acquisition of approximately 2,500 line kilometres of Falcon airborne gravity gradiometry (**AGG**) data over the entirety of EP 258, subject to the formal grant of the permit³. Subject to receiving grant of the permit, it is intended that the AGG survey be undertaken in Q1 2024.

The objective of the AGG survey is to better understand the orientation of structural lineaments and basin architecture including basement highs, deep-seated faults and density contrasts between prospective reservoirs and seals across the Permit. Interpretation of the AGG dataset in conjunction with regional magnetic surveys and play fairway mapping will help to optimise the location, orientation and specifications of a planned new shoot 2D seismic survey across the Permit.

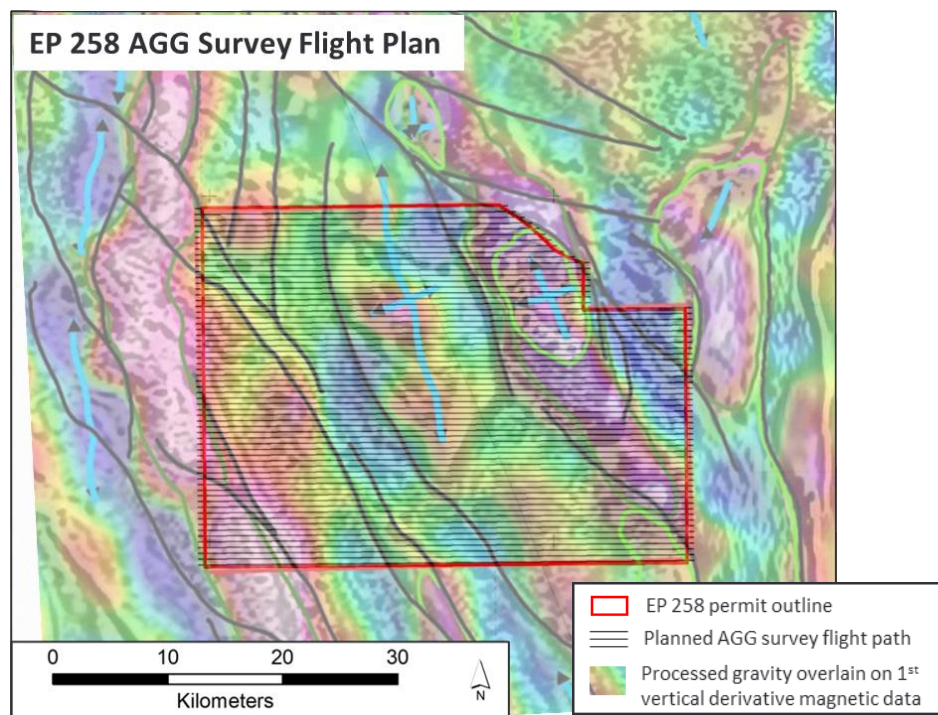


Figure 1: AGG Flight Survey Plan for EP 258 overlain with preliminary interpretation from existing regional gravity and magnetic datasets

³ Please see ASX announcement "Appointment of Contractor for Gravity Gradiometry on NT EP 258" (1 March 2023).

The objective of the new shoot 2D seismic survey, targeted to be undertaken later in 2024, will be to mature the extension of the prolific play system that hosts the significant unconventional gas discoveries which have been made in the Beetaloo Basin. Additionally, the Company has identified conventional Bessie Creek Sandstone play potential as well as Natural Hydrogen and Helium exploration targets. The Company's material application position on the basin margins provides significant running room and upside across the Southern McArthur Basin margin (Figures 2 and 3). In preparation for these activities, the Company will continue to consult and engage with all stakeholders, including the native title holders of EP 258, the NTG and pastoral lease holders.

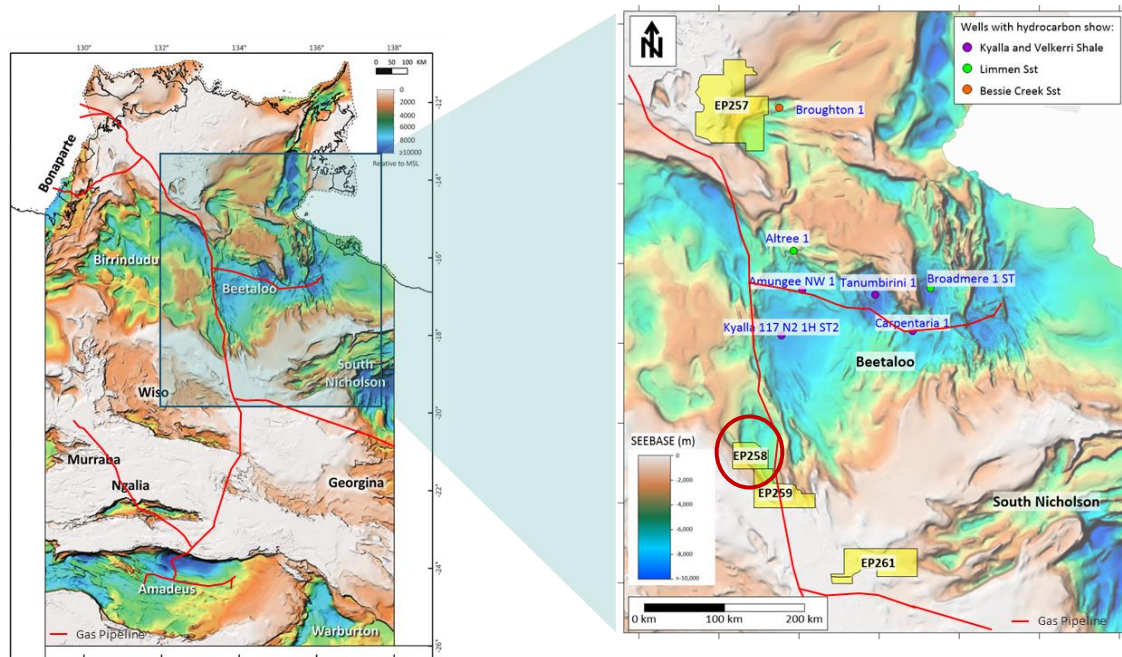


Figure 2: Top End's key permits in the Greater McArthur Basin

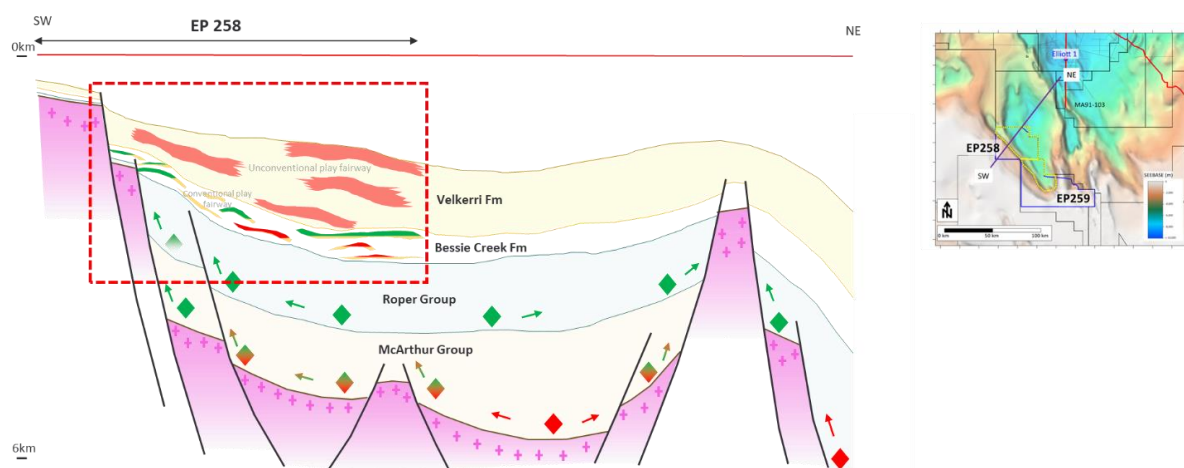


Figure 3: Regional schematic highlighting the potential of the untested southern margin of the Greater McArthur Basin and EP 258

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This announcement was authorised for release by the Board of Directors of Top End Energy Limited.

For more information please contact:

Michelle Kennedy and Kelly Moore

Joint Company Secretaries

+61 8 6245 9836

info@topendenergy.com.au

About Top End Energy Limited

Top End aims to be a leading Australian diversified energy provider at the forefront of the energy transition. Combining an attractive portfolio of granted and in-application petroleum permits across Australia, intending to pursue complementary clean energy solutions and achieve a target of net zero (Scope 1 and 2) emissions.

For further information on Top End Energy Limited please visit www.topendenergy.com.au