



## Armour Energy Limited

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### New Source Rock Play Identified in the Northern Territory

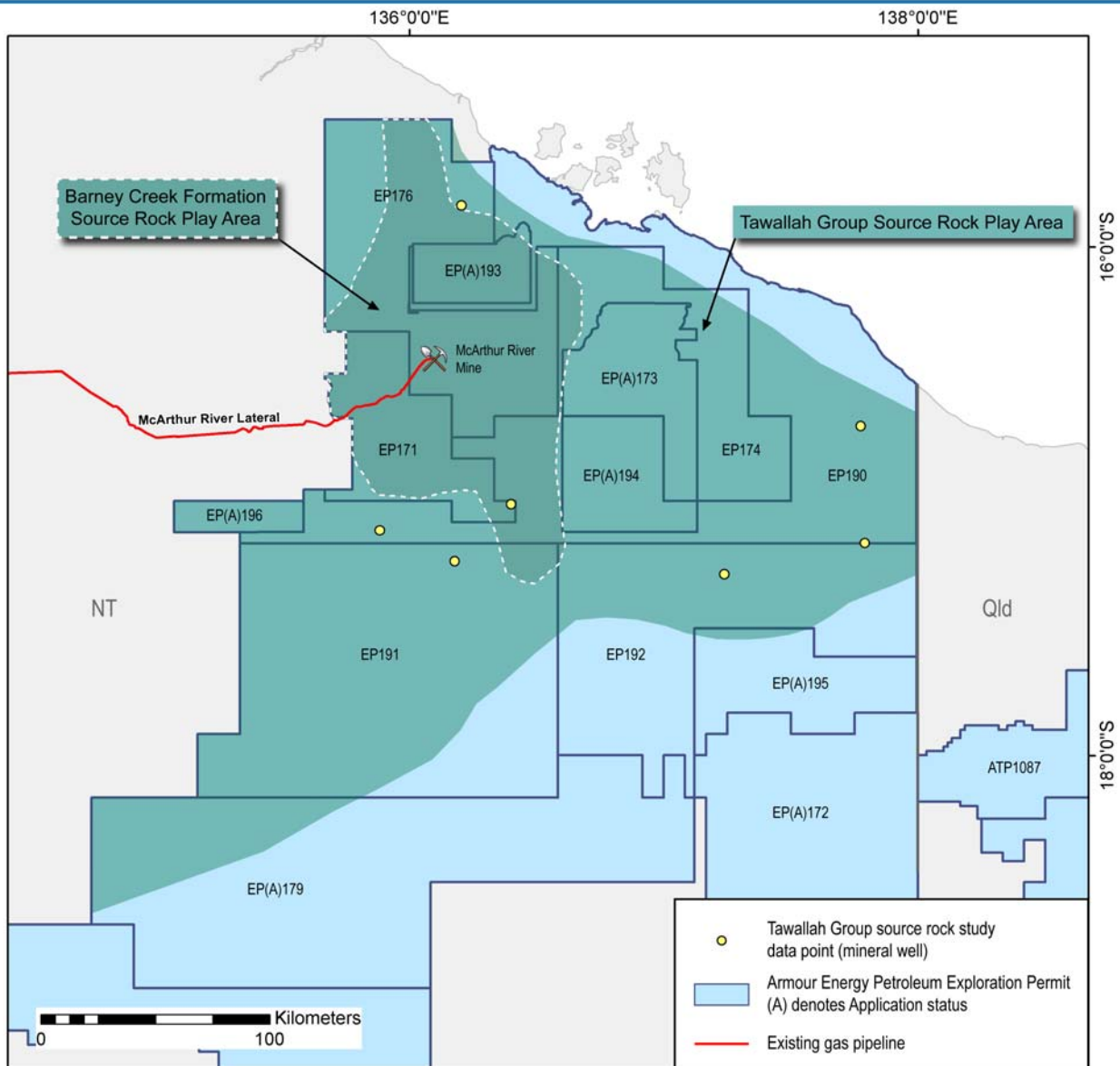
The Directors of Armour Energy Limited (ASX: AJQ; Armour) are pleased to provide an update on recent analysis of the emerging Tawallah Group source rock play in the MacArthur Basin of the Northern Territory. The Tawallah group source rock play is newly recognised, and could potentially add very significant oil and gas resources to Armour's portfolio, beyond those previously identified by the Company.

The Tawallah Group source rocks are believed to underlie the McArthur Group (which includes the prospective Barney Creek Shale) throughout EP176, extending east to the Queensland border and south across EP191 (see **Figure 1**). The extent of this newly recognised exploration play within Armour's permits is currently estimated to be 52,000 km<sup>2</sup>.

A recent CSIRO study commissioned by Armour has confirmed oil and gas generative potential in two Tawallah Group shale horizons: the Wologorang and McDermott Formations. Cores from a number of historic mineral wells, drilled within Armour's permit areas, were sampled and analysed. The results from this analysis have shown these formations contain good source rock in the oil to wet gas generative window, based on total organic carbon (TOC) measurements (up to 7.7%) and organic geochemical markers. Another phase of sampling and analysis is underway which is expected to increase the understanding of these prospective horizons, and inform future exploration activities to appraise the potential.

Armour plans to obtain a prospective resource estimate following the completion of the above mentioned sampling and analysis work.

Armour CEO, Robbert de Weijer, said *"It is early days in Armour's evaluation of this exciting new oil and gas play in the Northern Territory but we are encouraged by the results to date, and look forward to obtaining more insights in the near future. Adding further significant potential to these areas positions Armour very well ahead of the proposed North East Gas Interconnector and rapidly growing demand on the East Coast of Australia."*



**Figure 1 – Tawallah Group and overlying Barney Creek Formation source rock play areas within Armour Energy’s permits in the Northern Territory**



On behalf of the board  
 Karl Schlobohm  
 Company Secretary



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**About Armour Energy**

Armour Energy is focused on the discovery and development of world class gas and associated liquids resources in an extensive and recently recognised hydrocarbon province in northern Australia. This region has only recently had its shale potential identified by Armour Energy. The domestic and global demand for gas, combined with the new shale extractive technologies and experienced personnel, provides Armour with an extraordinary opportunity to define and ultimately develop a new liquids rich gas province.

Armour Energy's permit areas are characterised by low population densities, cooperative stakeholders and aspects of the natural environment suited to the exploration and development of a future gas and liquids province. Armour places considerable importance on close liaison with traditional owners and all stakeholders.

Armour Energy is focusing on the exploration of the McArthur, South Nicholson and Georgina Basins in the Northern Territory and Queensland, and in the onshore Gippsland Basin in Victoria in joint venture with Lakes Oil, for gas and associated petroleum liquids.

Further information regarding Armour Energy Limited is available on Armour's website at [www.armourenergy.com.au](http://www.armourenergy.com.au)