

## Operations Update

### **Drilling Operations:**

- Ungani 6H drilling program underway with first casing set
- Ungani 7H drilling site construction completed
- Yakka Munga access road and drilling site construction well advanced
- Rafael access road and drilling site under construction

### **Exploration:**

- Technical work on Rafael prospect close to completion
- Technical work progressed on Miani (Hotdog), Blina Yellowdrum, Lennard Shelf prospects and Yulleroo conventional gas projects
- Assistance being provided for Butler drilling preparations and operations as requested
- Presentations to be made on Lennard Shelf areas at PESA Deal Day prior to APPEA

### **Corporate:**

- Buru AGM to be held on 16 May 2019 in Perth
- Shareholder presentations to be held after AGM in Melbourne, Sydney and Brisbane
- Updated corporate presentation to be released prior to AGM

### **2019 Drilling and Operations Program**

The mobilisation into the Canning Basin of the NGD 405 drilling rig, the coil tubing drilling unit, and the various ancillary services, has provided the Company with a very timely opportunity to progress an extensive development, appraisal and exploration program which it is anticipated will take up most of the 2019 drilling season.

The Ungani development activity and the first of the exploration wells have been agreed with the Buru/Roc Joint Venture, and technical work is continuing to firm up the remainder of the drilling and operations program as set out in more detail below. The Buru Board is of the firm view that the program should be carried out in full, with the levels of equity participation in the various activities being confirmed as discussions with the Joint Venture and potential farmin parties are concluded.

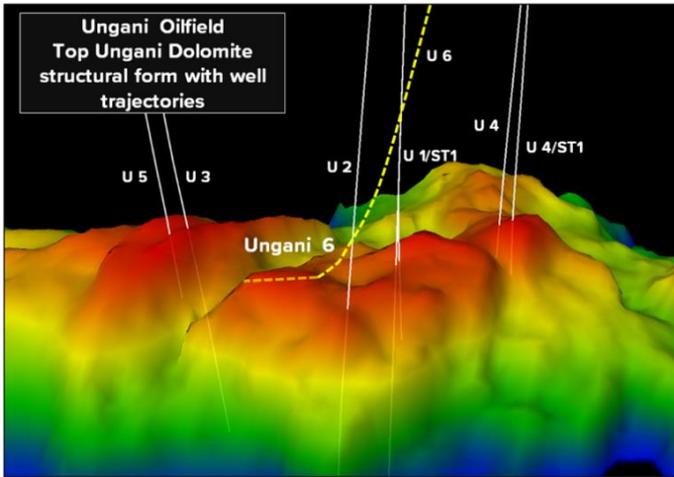
#### **Ungani 6H**

The NGD Loc 405 rig has successfully drilled and cemented the surface casing section to a depth of 945 metres. The program was successful with minor rig maintenance downtime as expected during the program startup.

The forward operation is to drill the directional section to intersect the top of the Ungani Dolomite reservoir prior to running the next casing string and suspending the well for the Coiled Tubing Underbalanced Drilling (CTD-UBD) penetration of the reservoir.

#### **Ungani 7H**

The Ungani 7H well location is adjacent to the Ungani 4 well pad. This location gives the optimum directional angle for drilling to the Ungani 7H bottom hole location. The Joint Venture is finalising the technical review of the bottom hole location for the Ungani 7H horizontal well.



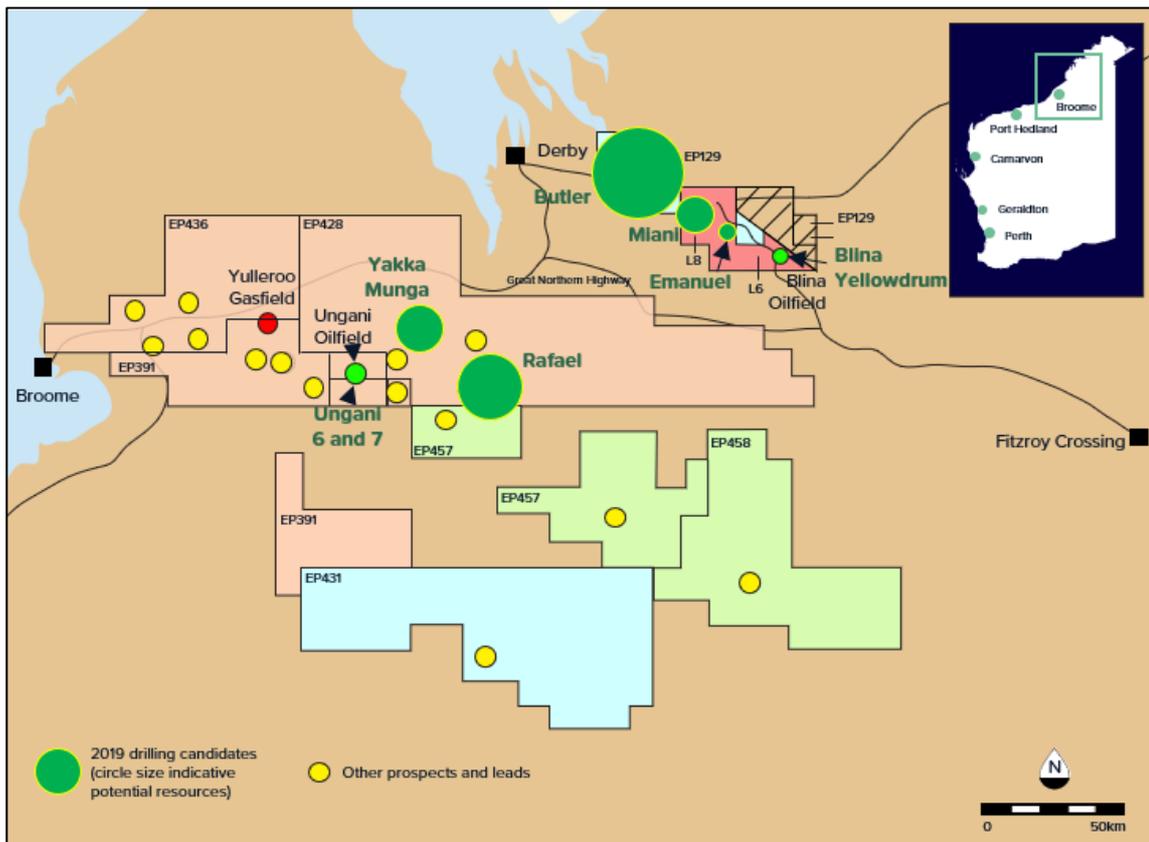
*Ungani Field structure and well paths*



*Ungani 7 drilling location*

The drilling and casing of the deviated section of the Ungani 6H well to the point of intersection of the Ungani reservoir is expected to be finalized by the end of May. The rig will then be moved to drill and case the equivalent pre-reservoir section on Ungani 7H, after which the rig will be moved to the Yakka Munga 1 exploration well location.

Following the completion of the Ungani 6H and Ungani 7H drilling and casing operations the CTD-UBD package will be mobilised to drill the respective underbalanced horizontal reservoir sections in the Ungani 6H and Ungani 7H wells.



*Location Map*

## **Yakka Munga 1**

The Yakka Munga 1 access road and site clearing works have been completed with all ground disturbing activities having been carried out under the on site supervision of Traditional Owner heritage monitors and in close consultation with the pastoralists who manage the Yakka Munga station.



*Site works Yakka Munga 1*



*Yakka Munga heritage monitors*

The Yakka Munga 1 well is located in exploration permit EP 428 in which Roc Oil (Canning) Pty Ltd (Roc) is earning a 50% interest under the terms of the 2018 Farmin Agreement. Pursuant to that Agreement, Roc is required to fund \$25 million of agreed exploration expenditures on a promoted 80/20 basis ("Farmin Carry"). For the purpose of drilling the Yakka Munga 1 well, the parties have agreed that this well is funded outside the Farmin Carry, with both Roc and Buru paying for this well at the 50/50 equity level. However, Roc remains liable to meet their remaining Farmin Carry obligations (currently approx. \$15 million Roc's share) within an agreed timeframe pursuant to the terms of the Farmin Agreement.

## **Rafael 1**

The Rafael prospect lies in the southern part of EP 428 and is a large robust closure mapped on good quality 2D seismic data. Buru has recently reprocessed the seismic data over the prospect and has been undertaking a major regional study to more clearly define the age and geological setting of the prospect. This study has concluded that the carbonate (reef) buildup is likely to be the Nullara Formation of Fammenian age. This is the age of the reef hosting the Blina oil accumulation on the northern edge of the basin. This is considered to be a positive for the prospect as there is well developed porosity in the dolomites within the Nullara section in numerous wells in the basin, and the Gogo oil source is proven to be present in the area of the Rafael prospect.

The technical work on the prospect will be finished shortly and the prospect will then be considered by the Joint Venture.

Buru is of the view that it will undertake the drilling of the prospect at whatever equity level is agreed between the Joint Venture, and up to 100% on a sole risk basis.

Further information will be made available once the Joint Venture has had the opportunity to review the prospect.

In order to ensure that the prospect is drill ready at the conclusion of the Yakka Munga 1 drilling operation, the access road and drill pad is being constructed and the long lead items for the well have been sourced. As with all Buru's operations, all ground disturbing activities have been carried out under the on site supervision of Traditional Owner heritage monitors.



*Site works Rafael location*



*Heritage monitors Rafael site*

## **Lennard Shelf**

The Company has recently concluded a review of all of its Lennard Shelf Licences and the EP 129 exploration permit. These areas are all held by Buru with 100% interest. The Licences contain a number of legacy oilfields including Blina and Sundown. Although recent activity on the Licences has been focused on the rehabilitation of existing wells and infrastructure, the experience and geological insights gained from the Company's operations at Ungani and surrounding areas has led to a re-evaluation of the prospectivity of the Lennard Shelf acreage.

This review has identified a number of drillable prospects including the Miani (Hotdog) prospect, the potential for production from the Blina Field Yellowdrum horizon which is the geological equivalent of the Ungani Dolomite, and several other exploration opportunities.

Technical work on these prospects is currently being completed with a view to including them in the 2019 operations program. Although the Company is fully funded and willing to carry out any operations at a 100% equity level, potential farmin partners are being considered, and the Company will present at the PESA Deal Day immediately before the Brisbane APPEA Conference in late May.

## **Blina Yellowdrum**

The Blina Field has produced significant amounts of Gogo sourced oil from both the Nullara reefal carbonates and the overlying Yellowdrum Formation (Ungani Dolomite equivalent). The Yellowdrum production of ~400,000 barrels of oil was from a relatively thin porous basal section with the overlying ~40 metres of dolomite section never effectively tested despite good oil shows being observed and several zones of apparently good porosity being present.

Technical review has identified the Blina 4 well to be high on the structure and to be in a condition that allows relatively simple re-entry to perforate and test the section.

The operation is estimated to be able to be carried out very cost effectively using equipment and personnel mobilised for the wider operations program, and it has the potential to prove up to 500,000 barrels of recoverable oil if the section can be shown to be productive.

## **Miani**

The prospect previously known as Hotdog has been renamed Miani, the common usage name of the blue waterlily that is endemic to the northern Kimberley.

The Miani prospect is very well defined on 3D seismic and is interpreted to most likely be a hydrothermal dolomite (HTD) sag feature. Recent technical work has further refined the prospect and defined possible analogues including the Ladyfern field in northeast British Columbia which has a very similar geological setting and expression on seismic data.

The Ladyfern field was a major discovery in 2001 with wells testing gas at over 100 million cubic feet per day and initial estimated in-place gas resources of some 1 TCF of gas. Miani is somewhat smaller scale and is considered to have high potential for significant oil resources. A well on the prospect will have a total depth similar to the Ungani Field (~2,400 metres) with a drilling slot available after the Rafael 1 well.

Further technical details will be released as part of the farmout program.

## **Other Lennard Shelf areas**

There are a number of additional prospects within Buru's permits in the Lennard Shelf area including Emanuel, Janpam North, and numerous HTD follow-ups to Miani if it is successful.

The Butler prospect also sits on the edge of the Lennard Shelf to the North of the Miani area. Full details of this prospect were set out in previous releases. The Company is co-operating with the operators of the permits in the Butler area to facilitate the drilling of the well. Given its proximity to the sealed roads in the area it is expected that the well would be drilled last in the 2019 program.

## **Yulleroo Gasfield**

Four wells have been drilled on the Yulleroo Gasfield and have defined a substantial gas accumulation. Continued review of this resource has identified a number of zones where there is potential for conventional gas production.

The most prospective zones in the Yulleroo 3 and Yulleroo 4 wells have been identified and a program to test these zones using the coil tubing unit is currently being completed. The program is aimed at quantifying the ability of conventional gas resources to supply local industry and power generation as a substitute for LNG trucked from the Pilbara.

## **Corporate**

The Company's Annual General Meeting will be held in Perth on 16 May 2019 at the Celtic Club, 48 Ord Street, West Perth. The Company will also host shareholder information meetings as set out below and encourages all shareholders to attend either the AGM or the information meetings.

- **Melbourne**

Wednesday, 22 May 2019 at 6:00 PM

Novotel Melbourne on Collins, 270 Collins Street, Melbourne

- **Sydney**

Thursday, 23 May 2019 at 5:30 PM

Sydney Harbour Marriot Hotel at Circular Quay, 30 Pitt Street, Sydney

- **Brisbane**

Friday, 24 May 2019 at 5:30 PM

The Hilton Brisbane, 190 Elizabeth Street, Brisbane City

The Company will release an updated corporate presentation including the information in this release prior to the AGM.

Visit [www.buruenergy.com](http://www.buruenergy.com) for information on Buru Energy's current and future activities.

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**Qualified Petroleum Resources Evaluator Statement**

Except where otherwise noted, information in this release related to exploration and production results and petroleum resources is based on information compiled by Eric Streitberg who is an employee of Buru Energy Limited. Mr Streitberg is a Fellow of the Australian Institute of Mining and Metallurgy and the Australian Institute of Company Directors, and a member and Certified Petroleum Geologist of the American Association of Petroleum Geologists. He has over 40 years of relevant experience. Mr Streitberg consents to the inclusion of the information in this document.