



Monday, 5 February 2024

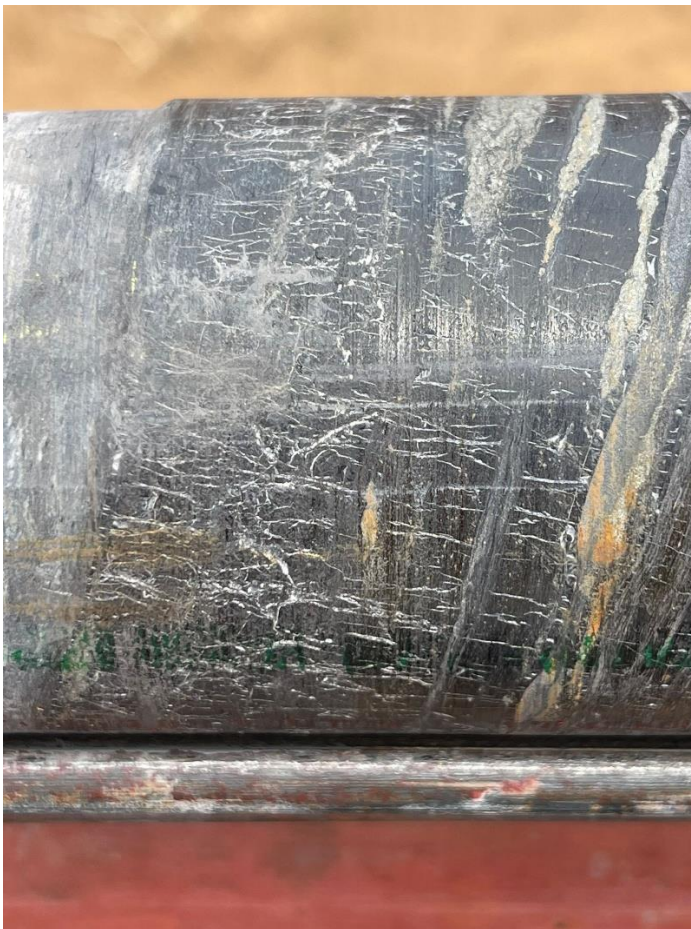
### **COMMERCIAL PILOT PROGRAMME UPDATE – CORE SAMPLE TESTING UNDERWAY**

#### **Highlights:**

- **Coring and desorption testing programme commenced on project Pitse.**
- **Geophysics campaign for three exploration wells has been completed.**

Botala Energy Ltd (ACN 626 751 620) ("**Botala**") announces testing of the cores from the Serowe-3.4 well has commenced at Project Pitse. The coring analysis programme forms part of the desorption testing programme over the 3 coal seams. The programme is designed to test the desorption of methane gas from the coals over three testing periods. The results of the testing programme forms a critical component for future resource certification updates.

Cores from the primary target the Serowe seam, have been recovered and are undergoing preliminary testing within the field lab. The initial gas desorption measurements are completed over a 24-hour period to determine the immediate release of gas. All three seams will be tested with 9 samples from each seam to be assessed. Drilling of the remaining seams is ongoing.



*Figure 1 – Primary target, the Serowe Coal Seam*

## Testing Process

The main goal of the coring and desorption operations is to acquire geological data and determine gas content through direct desorption methods. Core data allows for the correlation with logs and other wellbore analyses. Results play a crucial role in enhancing the reserves and resource assessment of the field. Cores are extracted from predetermined depth intervals using conventionally retrievable HQ (61.1mm) core barrels.

Gas content, defined as the volume of gas contained in a unit mass of coal, is determined using the Direct gas desorption method outlined in the Australian Standard for the determination of desorbable gas in coal seams - Direct method (AS 3980-2016).

The gas desorption process occurs in three stages:

1. Stage 1 - Q1 (lost gas): Obtained within the first 20 minutes.
2. Stage 2 - Q2 (Desorbable gas): A slow desorption process taking place over a 4-month period.
3. Stage 3 - Q3 (Crushed gas).

The total gas content (QT) is calculated as the sum of Q1, Q2, and Q3.

Optimal gas content results for the area are expected to fall within the range of 4-5m<sup>3</sup> per ton.

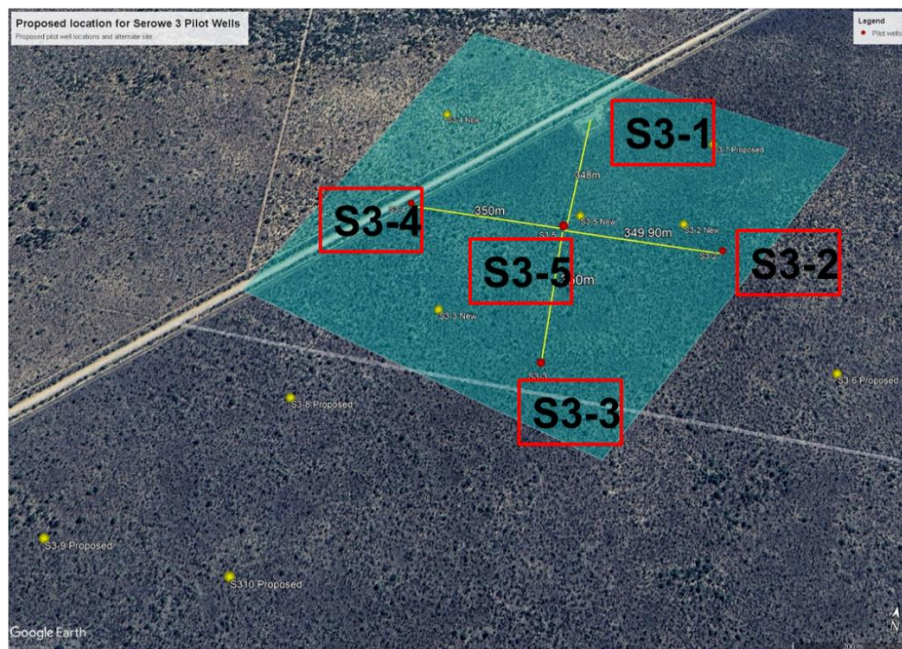
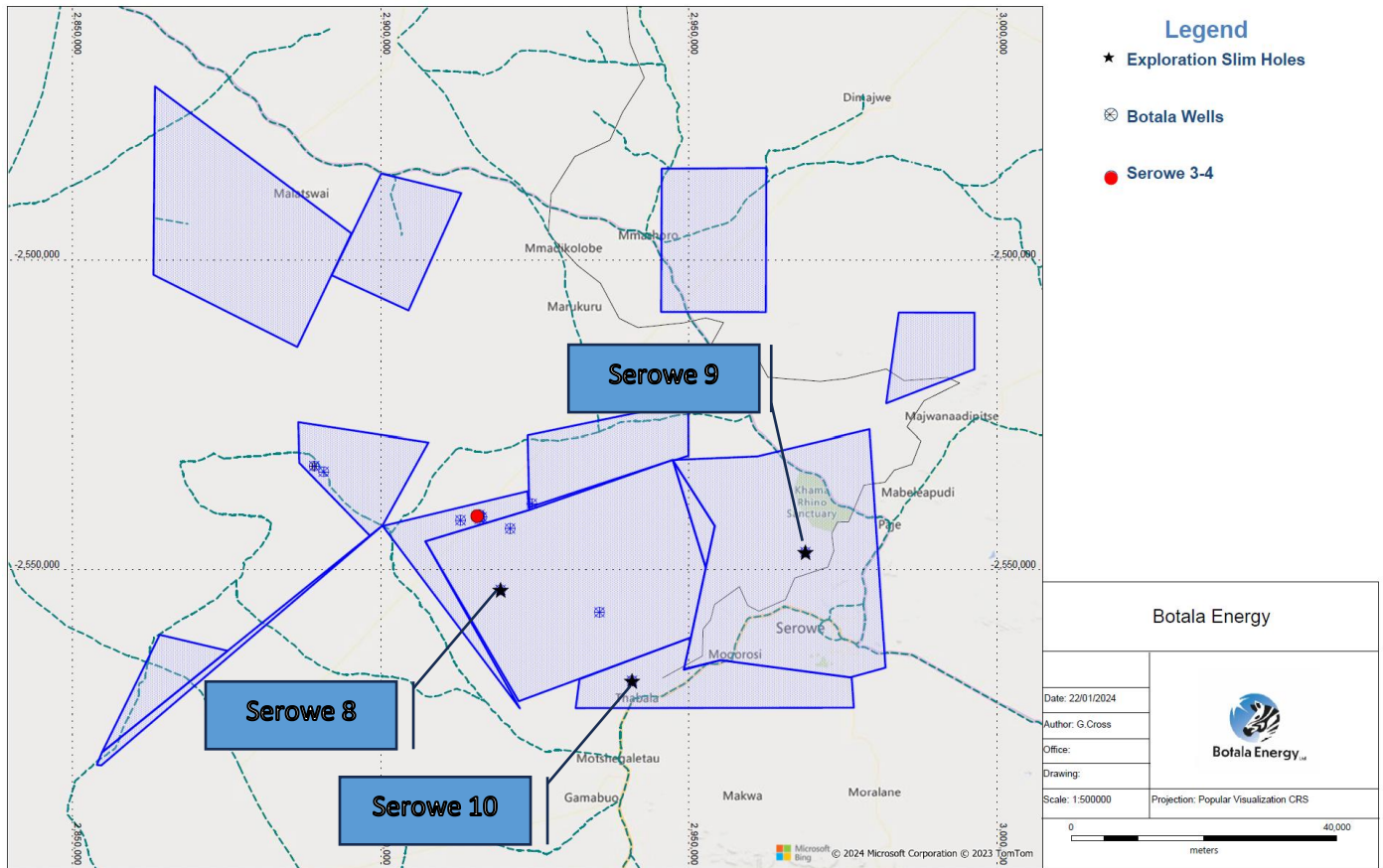


Figure 2 - Serowe-3 Pilot Well Locations.

## Exploration Programme

Botala is planning three new exploration wells to be completed by the end of Quarter 1, 2024. The exploration programme will test the extent of the coal seams to the South and East of Project Pitse.





Botata CEO Kris Martinick commented “It’s great to be back up and running this year and steadily working our way to commissioning Project Pitse, improving our resource estimates plus understanding the coal seams locally at the Project site and more broadly across the huge acreage position.”

### Cautionary Statement

The estimated quantities of coal bed methane that may be potentially recovered by the application of a future development project relate to undiscovered accumulations. These estimates have both an associated risk of discovery and a risk of development. Further exploration, appraisal and evaluation are required to determine the existence of a significant quantity of potentially movable gas.

This ASX announcement was approved and authorised for release by the CEO.

Yours faithfully  
**BOTALA ENERGY LTD**

Kris Martinick  
**Chief Executive Officer**

**For more information please contact:**

Kris Martinick.

This report is lodged on Botata's website, [www.botataenergy.com](http://www.botataenergy.com)

## **About Botala**

ASX-listed Botala is exploring and developing production of coal bed methane (**CBM**) from its 70% owned Serowe CBM Project which is located in a high-grade CBM region of Botswana. The remaining 30% are owned by ASX-listed Pure Hydrogen Corporation Ltd pursuant to a joint venture agreement with Botala. As Operator, Botala is focussed on developing the Serowe CBM Project and related early-stage renewable energy opportunities and believes that there are considerable opportunities for Botala to commercialise CBM because of the demand for reliable and affordable energy in Botswana and neighbouring countries.

## **Forward-looking Statements**

This document may contain certain statements that may be deemed forward-looking statements. Forward looking statements reflect Botala's views and assumptions with respect to future events as at the date of the Announcement and are subject to a variety of unpredictable risks, uncertainties, and other unknowns that could cause actual events or results to differ materially from those anticipated in the forward-looking statements. Actual and future results and trends could differ materially from those set forth due to various factors that could cause results to differ materially include but are not limited to: industry conditions, including fluctuations in commodity prices; governmental regulation of the gas industry, including environmental regulation; economic conditions in Botswana and globally; geological technical and drilling results; predicted production and reserves estimates; operational delays or an unanticipated operating event; physical, environmental and political risks; liabilities inherent in gas exploration, development and production operations; fiscal and regulatory developments; stock market volatility; industry competition; and availability of capital at favourable terms. Given these uncertainties, no one should place undue reliance on these forward-looking statements attributable to Botala, or any of its affiliates or persons acting on its behalf. Although every effort has been made to ensure this Announcement sets forth a fair and accurate view, we do not undertake any obligation to update or revise any forward-looking statements, because of new information, future events or otherwise.

## Appendix A – Listing Requirements

The following information is provided in respect of this announcement and the reporting of contingent resources and prospective resources.

Listing Rule	Rule	Response
5.30	<p>An entity publicly reporting material exploration and drilling results in relation to petroleum resources must include all of the following information in that report and give the report to ASX for release to the market.</p> <p>(a) The name and type of well.  (b) The location of the well and the details of the permit or lease in which the well is located.  (c) The entity's working interest in the well.  (d) If the gross pay thickness is reported for an interval of conventional resources, the net pay thickness.  (e) The geological rock type of the formation drilled.  (f) The depth of the zones tested.  (g) The types of test(s) undertaken and the duration of the test(s).  (h) The hydrocarbon phases recovered in the test(s).  (i) Any other recovery, such as, formation water and water, associated with the test(s) and their respective proportions.  (j) The choke size used, the flow rates and, if measured, the volumes of the hydrocarbon phases measured.  (k) If flow rates were tested, information about the pressures associated with the flow and the duration of the test.  (l) If applicable, the number of fracture stimulation stages and the size and nature of fracture stimulation applied.  (m) Any material volumes of non-hydrocarbon gases, such as, carbon dioxide, nitrogen, hydrogen sulphide and sulphur.  (n) Any other information that is material to understanding the reported results.</p>	<p>a) Well title is Serowe-3.4 and is an appraisal well targeting Coal Bed Methane.  b) Serowe-3-4 is located at Latitude -22.24598 and Longitude 26.19531136 in Prospecting Licence PL-400.  c) Botata Energy Ltd working interest is 70% in the well. Coal seam thickness will be measured during the drilling.  d) Not Applicable  e) The Geological rock type is coal  f) The coal seam depths will be determined by the ongoing drilling and logging programme.  g) Flow-testing to be completed as part of the commercial Pilot Project.  h) Logging results will identify the hydrocarbon content, gas has been observed at surface.  i) Water volumes will be tested in subsequent flow-testing  j) Not Applicable  k) Not Applicable  l) Not Applicable  m) Not Applicable  n) Not Applicable</p>