

23 February 2022

Okapi Acquires Maybell Uranium Project in Colorado, USA

Highlights

- Okapi staked 468 claims covering 3,600 ha to acquire the Maybell Uranium Project in Colorado, USA
- The Maybell district has historical production of 5.3 Mlb of U_3O_8 at an average grade of 1,300 ppm¹
- Maybell is amenable to heap leach extraction and potentially in-situ recovery (ISR)
- Okapi is in the process of data accumulation and compilation and planning future exploration to determine the potential of developing shallow open pit orebodies

Okapi Resources Limited (ASX: OKR) (Okapi or the Company) is pleased to announce that it has completed the staking of 468 federal unpatented mining claims covering 3,600 ha to acquire the Maybell Uranium Project in Colorado, USA. Okapi has secured a significant portion of the Maybell mineralised trend, which includes the area of historical production and other known mineralised occurrences and prospects. Based on the historical production and exploration data there is significant potential for the further delineation and discovery of near surface uranium resources at the Maybell Uranium Project.

Okapi's Managing Director, Mr Andrew Ferrier said:

"We are excited by the opportunity to acquire the Maybell Uranium Project in Colorado, USA. This adds another uranium asset to Okapi's North American portfolio. Completing the Maybell Uranium Project acquisition clearly exhibits the strength of the management team to identify and acquire highly prospective uranium projects in the USA.

Staking the Maybell Uranium Project is directly on strategy for Okapi who are looking to acquire assets in the right circumstances with the aim of expanding the portfolio and providing shareholders with a diversified exposure to uranium in North America. We continue to believe that the uranium space is in an upward trend and Okapi is currently assembling and developing the right portfolio of assets to create value for shareholders."

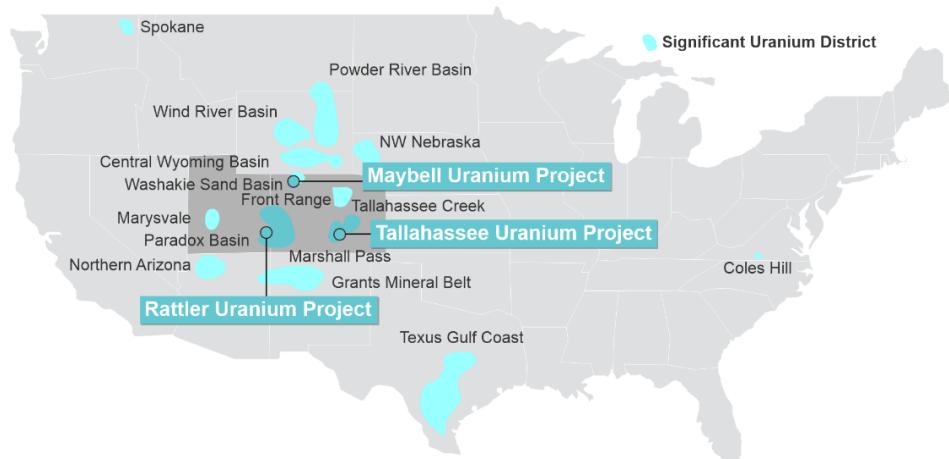


Figure 1– Location of Okapi's Uranium Projects in the USA

¹ Historical production data has been sourced of an article in Rocky Mountain Association of Geologists (1986) titled "Geology and Production History of the Uranium Deposits in the Maybell, Colorado Area" from W. L. Cheneoweth.

Project Location

The Maybell Uranium Project is located in Moffat County in northwestern Colorado, 5km east of the town of Maybell and 40km west of the town of Craig. The project area is situated in a rural part of Colorado, known for historical uranium mining and present-day coal and natural gas production.

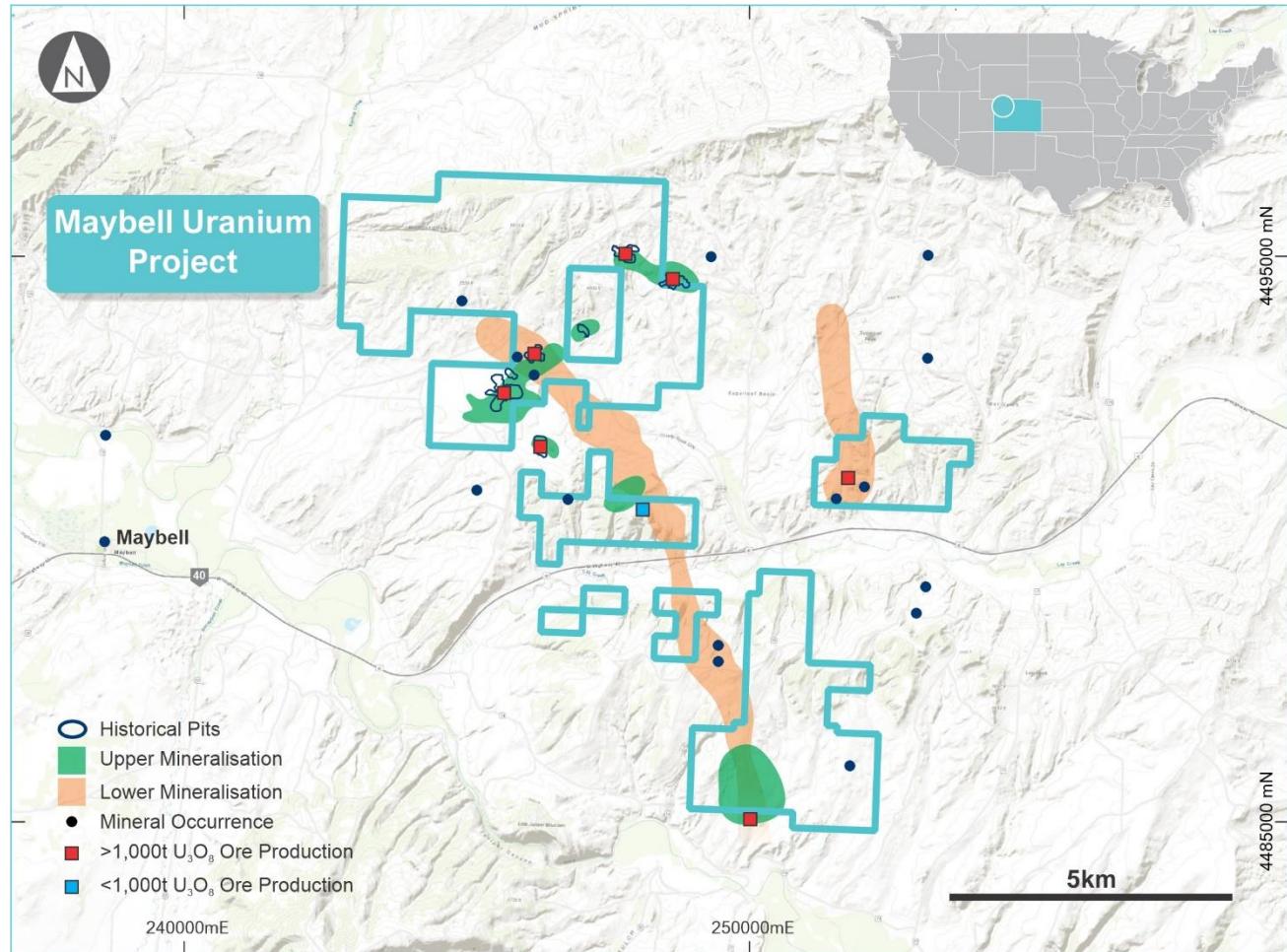


Figure 2: Location of Maybell Uranium Project in northwestern Colorado, USA

Geology

The Maybell Uranium Project covers a large area that generally follows the outcrop of uranium-bearing tuffaceous sandstones of the Miocene age Browns Park Formation. Uranium is widespread in the Browns Park Formation, however, the most important ore deposits are in the upper sandstone unit which is composed of buff to grey, fine to medium grained sandstone. The sandstone unit varies in thickness from 60m to 300m and can host zones of uranium mineralisation up to, and potentially greater than, 30m thick. The underlying Wasatch formation, a host rock for uranium in Wyoming, is also present in the area and is known to contain uranium mineralisation. The physical characteristics of these permeable sandstones make them amenable for conventional heap leach processing, as well as potential candidates for ISR (In-situ Recovery) production.

Historical Production

Union Carbide operated a series of shallow open pits along a two-kilometre strike for an 11-year period between 1954 and 1964 where records show the mines produced approximately 4.3 Mlb U₃O₈ at an average grade of 1,300ppm U₃O₈. Annual production increased sharply in 1958 with the construction of an on-site processing facility and between 1958 and 1964, the Maybell area produced between 500,000 and 720,000 lbs of uranium per year.

When the price of uranium rose sharply in the mid-1970's, Union Carbide resumed mining operations in 1976 through open-pit mining and heap leaching of lower grade material. A portable ion exchange unit was installed at site and the eluate was trucked to Union Carbide's mill in Gas Hills, Wyoming. Production continued until 1981 when mining ceased due to falling uranium prices. Approximately 1.0 Mlb U₃O₈ was produced over this period.

Further Work

Okapi has commenced work on the compilation of historical exploration information and the acquisition of additional exploration data which we know is available. Okapi plans to undertake an integrated exploration programme at Maybell, subject to obtaining the necessary exploration permits, to confirm the historical information with the intention of producing a resource estimate for the project area.

This announcement has been authorised for release by the Board of Okapi Resources Limited.

Further information:

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Competent Person's Statement

The information in this report that relates to geology, exploration and historical information is based on information compiled by Mr Ben Vallerine, a Competent Person who is a Member of the Australasian Institute of Geoscientists. Mr Vallerine is a director and shareholder of Okapi Resources. Mr Vallerine has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Vallerine consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

About Okapi Resources Limited

Okapi Resources Limited owns and operates a portfolio of advanced, high grade uranium assets located in the United States of America.

*Assets include a strategic position in one of the most prolific uranium districts in the USA – the Tallahassee Creek Uranium District in Colorado. The Tallahassee Uranium Project contains a JORC 2012 Mineral Resource estimate of **27.6 million pounds of U₃O₈ at a grade of 490ppm U₃O₈** with significant exploration upside. The greater Tallahassee Creek Uranium District hosts more than 100 million pounds of U₃O₈ with considerable opportunity to expand the existing resource base by acquiring additional complementary assets in the district.*

The portfolio of assets also includes an option to acquire 100% of the high-grade Rattler Uranium Project in Utah, which includes the historical Rattlesnake open pit mine. The Rattler Uranium Project is located 85km from the White Mesa Uranium Mill, the only operating conventional uranium mill in the USA hence provides a near term, low-capital development opportunity.

In addition, Okapi is currently conducting due diligence over a portfolio of high-grade exploration assets in the world's premier uranium district, the Athabasca Basin. The Athabasca Basin is home to the world's largest and highest grade uranium mines.

Okapi's clear strategy is to become a new leader in North American carbon-free nuclear energy by assembling a portfolio of high-quality uranium assets through accretive acquisitions and exploration.

| JORC 2012 Mineral Resource Estimate for the Tallahassee Uranium Project | | | | | | | | | | | | |
|---|--------------|---|---|--------------|---|---|---------------|---|---|---------------|---|---|
| Property | Measured | | | Indicated | | | Inferred | | | Total | | |
| | Tonnes (000) | Grade U ₃ O ₈ (ppm) | Lbs U ₃ O ₈ (000) | Tonnes (000) | Grade U ₃ O ₈ (ppm) | Lbs U ₃ O ₈ (000) | Tonnes (000) | Grade U ₃ O ₈ (ppm) | Lbs U ₃ O ₈ (000) | Tonnes (000) | Grade U ₃ O ₈ (ppm) | Lbs U ₃ O ₈ (000) |
| Taylor and Boyer | - | - | - | 7,641 | 520 | 8,705 | 14,865 | 460 | 15,172 | 22,506 | 480 | 23,877 |
| High Park | 2,450 | 550 | 2,960 | 24 | 590 | 30 | 434 | 770 | 734 | 2,907 | 580 | 3,724 |
| Total | 2,450 | 550 | 2,960 | 7,665 | 520 | 8,735 | 15,299 | 470 | 15,906 | 25,413 | 490 | 27,601 |

Notes: Calculated applying a cut-off grade of 250ppm U₃O₈. Numbers may not sum due to rounding. Grade rounded to nearest 10ppm.

Competent Persons Statement

Information on the Mineral Resources presented, together with JORC Table 1 information, is contained in the ASX announcement titled "Okapi's Maiden JORC 2012 Resources of 27.6m Pounds of U₃O₈" which was released as an announcement on 19 October 2021. The Company confirms that it is not aware of any new information or data that materially affects the information in the relevant market announcements, and that the form and context in which the Competent Persons findings are presented have not been materially modified from the original announcements.

Where the Company refers to Mineral Resources in this announcement (referencing previous releases made to the ASX), it confirms that it is not aware of any new information or data that materially affects the information included in that announcement and all material assumptions and technical parameters underpinning the Mineral Resource estimate with that announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons findings are presented have not materially changed from the original announcement.