

ASX ANNOUNCEMENT

17 October 2024

FIVE ADDITIONAL HELIUM WELL LOCATIONS APPROVED GALACTICA/PEGASUS

Highlights

- ECMC approves five new proposed helium development well locations (Jackson 27 SWSE, Jackson 31 SENW, Jackson 29 SWNW, Jackson 2 L4 and Jackson 4 L4) at the Galactica/Pegasus project.
- These wells are located to the south and southwest of the successful State 16 well toward the proposed Galactica plant site and are expected, together with State 16, to form part of the initial gas gathering into the Galactica helium production facility which the Company is developing with its farm in partner, Helium One Global Plc.
- This approval satisfies a key condition precedent to the Helium One farm out agreement.
- Drilling to start Q4 2024, subject to Form 2 approval

Blue Star Helium Limited (ASX:BNL, OTCQB:BSNLF) (**Blue Star** or the **Company**) provides an update on helium development well permitting at its Galactica/Pegasus helium project in Las Animas County, Colorado.

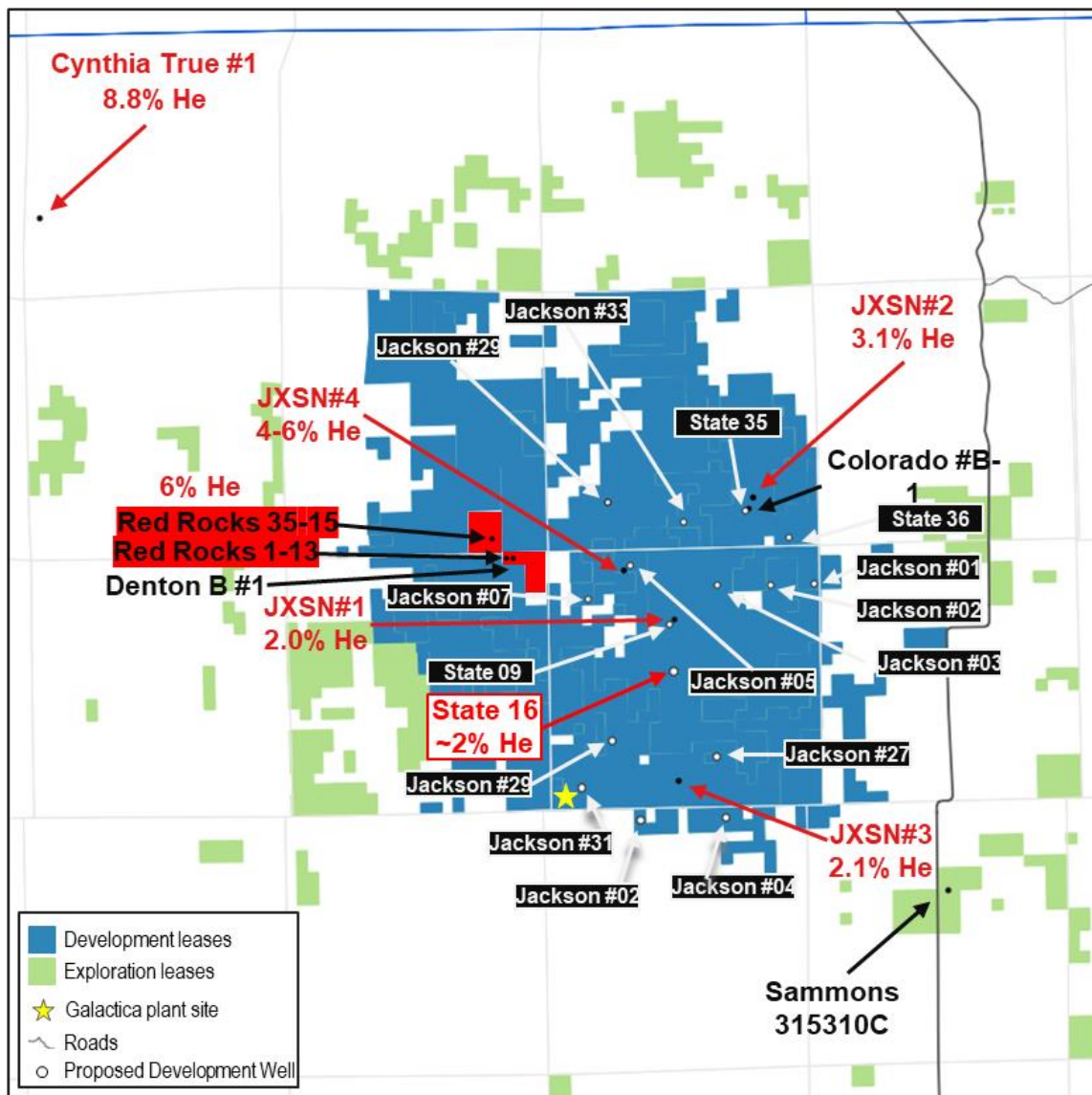
Galactica/Pegasus OGDG approved

The Colorado Energy and Carbon Management Commission (**ECMC**) has approved the Oil and Gas Development Plan (**OGDP**) relating to five proposed helium development wells (Jackson 27 SWSE, Jackson 31 SENW, Jackson 29 SWNW, Jackson 2 L4 and Jackson 4 L4) at the Galactica/Pegasus project. Following this approval, Blue Star will be able to submit the final drilling permit applications (Form 2) in respect of these wells. Subject to Form 2 approval drilling is planned for Q4 2024.

This is the fifth OGDG at Galactica/Pegasus (see BNL ASX releases dated 1 September 2022, *COGCC Approves Four Development Wells*; 8 June 2023, *Three Well Helium Development OGDG Approved* and 11 January 2024, *Four Well Locations Approved at Galactica-Pegasus*).

The 5 additional development well locations in Galactica are identified on the map below. These wells are located to the south and southwest of the State 16 development well toward the proposed Galactica plant site (also shown on the map) and are expected, together with State 16, to form part of the initial gas gathering into the Galactica helium production facility.

The Company currently has an inventory of 10 helium development well locations approved at Galactica/Pegasus including Form 2 approvals for the drilling of the State 09, 35 and 36 helium development wells (see BNL ASX release of 9 January 2023, *Helium Development Well Permits Approved*).



Galactica/Pegasus previous drilling

Blue Star had a successful exploration campaign at the Galactica and Pegasus prospects (JXSN wells) followed by the first successful development well, State 16 being drilled in June 2024.

Independent engineering consultants advised the company that State 16 is capable of a maximum rate of 441 Mscfd with more stabilised rates constrained for production optimisation projected to be between 250 Mscfd and 350 Mscfd. The well tested 1.9% helium and logs identified 96+ feet of gas column in the Lyons Sandstone.

Four wells (JXSN#1 – JXSN#4) drilled across the two prospects resulting in four discoveries with gas bearing columns of up to 230 feet and helium content up to 6% and flow rates as high as 412 Mcf/d (see BNL ASX release of 5 October 2022).

The third-party owned Red Rocks helium project adjoins Blue Star's Galactica project (see map above). Red Rocks produces raw gas into an IACX-operated helium recovery plant and sells helium gas into the market. Development and operation of Red Rocks further supports the positive outlook for the Galactica project.

Helium One farm-out agreement

Blue Star has entered into a binding Heads of Agreement with Helium One Global plc (see BNL ASX release dated 28 August 2024, *Helium One Farms into Galactica/Pegasus Project*).

ECMC's approval of this OGDG satisfies a key condition precedent to the Agreement. The parties are working on the definitive governing agreements and the Company expects to make a further announcement in due course.

This ASX Announcement has been authorised for release by the Board of Blue Star Helium Limited.

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About Blue Star Helium:

Blue Star Helium Ltd (ASX:BNL OTCQB:BSNLF) is an independent helium exploration and production company, headquartered in Australia, with operations and exploration in North America. Blue Star's strategy is to find and develop new supplies of low cost, high grade helium in North America. For further information please visit the Company's website at www.bluestarhelium.com

About Helium:

Helium is a unique industrial gas that exhibits characteristics both of a bulk, commodity gas and of a high value specialty gas and is considered a "high tech" strategic element. Due to its unique chemical and physical qualities, helium is a vital element in the manufacture of MRIs and semiconductors and is critical for fibre optic cable manufacturing, hard disc manufacture and cooling, space exploration, rocketry, lifting and high-level science. There is no way of manufacturing helium artificially and most of the world's reserves have been derived as a by-product of the extraction of natural hydrocarbon gas.