

## ASX ANNOUNCEMENT

15 June 2022

### MOBILISING TO ENTERPRISE 16-1 TO COMMENCE WORKOVER

#### Highlights

- Mobilising rig and crew to Enterprise 16-1 helium well site to commence workover.
- Gas samples obtained from the Lyons formation during the workover will be sent for laboratory analysis.
- Enterprise 16-1 and Hill#2 both showed gas on logs in the Lyons formation and provide greater certainty of the closure at the Enterprise prospect which will be followed up with further drilling.

Blue Star Helium Limited (ASX:BNL) (**Blue Star** or the **Company**) announces that it has started mobilising rig and crew to the Enterprise 16-1 helium well site in Las Animas County, Colorado, to commence the workover of the well.

The workover will set a cement plug from TD up to 1,150 feet, then run and cement 4.5 inch casing from 1,150 feet up across the Lyons formation. The top of the gas zone in the Lyons will then be perforated from 1,045 to 1,051 feet. Swabbing operations will be undertaken to remove the invaded fluid from the well bore. Gas samples obtained from the Lyons formation will be sent for laboratory analysis.

The workover of Enterprise 16-1 is expected to take approximately 12 days to complete.

#### Background

The Company announced that the Enterprise 16-1 well spudded on 16 February 2022. It was drilled to a total depth of 1,250 feet and identified a potential helium zone in the targeted Lyons sandstone formation. The well was suspended for future operations (see BNL ASX release dated 1 March 2022).

Based on wireline logs, the top of the Lyons formation was penetrated at 1,045 feet with an interpreted gas water contact (**GWC**) intersected at 1,058 feet (equating to an approximate 13 feet gross and net gas column in the well bore).

Some helium gas was seen while drilling, however due to subsequent water invasion, no test was able to be conducted at the time to obtain a gas sample for compositional analysis.

Data from the drilling and logging at Enterprise has been integrated into the geological model and prospect mapping, this new information as well as the gas seen on logs in the Hill#2 well 1.3 miles east on the Enterprise structure has resulted in greater certainty of the closure at Enterprise which will be followed up with future drilling. This will include an exploratory water well similar to those that have resulted in discoveries at Voyager, Galactica and Pegasus and follow-up helium appraisal and development wells.

*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](http://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.