

Imperial Helium Corp

Exploration and development of helium assets in North America

Headquartered in Alberta, Canada, Imperial Helium Corp. (IHC) is focussed on finding helium where it has already been found. IHC is identifying and capturing bypassed opportunities of known helium accumulations in Western Canadian Sedimentary Basin.

IHC was formed in 2019 as the North American-centric global helium-market faced a short-fall in supply owed to the US Bureau of Land Management, removing 2.1Bcf/y of helium from a global market of an estimated 6Bcf/y. Imperial Helium's intent is to deliver a stable supply of helium to both the local North American and international markets through our off-take agreement(s).

The company's flagship asset, the Steveville property, is an extremely exciting discovery, steeped in history. The Steveville structure is a large basement dome with four-way closure. In the winter of 1940, the first deep well to be drilled on the Steveville structure was 100/13-22-020-12W4M resulting in a huge blow-out. Flow rates of 50MMcf/d and higher were reported in the *Calgary Herald* and the *Globe and Mail*. The well flowed for 100 days before it was brought under control. Drilling resumed, followed by production testing which delivered 6MMcf/d of non-burnable gas with a composition of 0.63% helium, 3.5% methane, 8% carbon-dioxide, and 87.87% nitrogen. Over the decades to follow, the Steveville structure was drilled four more times confirming the size of the structure and presence of gas on logs, but yielding no hydrocarbon discoveries. IHC has captured mineral leases across the entire Steveville

structure covering 24,635 hectares (95 square miles).

IHC listed on the TSX-V in May 2021 after raising CAD\$14m in an over-subscribed offering. This terrific support by the market allowed the company to take a vertically integrated approach to the helium business as a strategy to expedite asset monetization and improve capital efficiency. The strategy elements include:

- Appraisal of the Steveville discovery by drilling and production testing two wells, which will subsequently be used as the first two production wells. These wells are expected to confirm, among other things, helium concentration and raw gas deliverability.
- Establish a Strategic Alliance Agreement among IHC and:
 - ON₂ Solutions as a fabricator of the helium separation facility
 - Uniper Trading Canada as a gas-offtaker
- Construction of a scaled-down Pilot (Prototype) Plant for helium separation and refining to confirm the plant's ability to meet gas-offtake agreement standards for both rate and purity (99.999% pure)
- Complete an Independent (third-party) Resource Assessment of the Steveville asset's helium volumes and potential production rates
- Establish Imperial Helium's commercially producible helium as reserves with the Independent Resource Assessment and completed offtake agreements

The early establishment the Strategic Alliance Agreement is an essential



element of IHC's plan for establishing cash-flow quickly and increasing the efficient use of capital. IHC is on target to achieve production of first commercial helium in Q4/2022.

In addition to installation, testing, commissioning, and first commercial production from the Steveville asset in 2022, IHC looks forward to:

- Further seismic acquisition, and full-field development modeling and planning on the Steveville asset
- The acquisition of one or more additional lands of assets as early as Q4 2021
- Appraisal by drilling and production testing of one or more of IHC's new assets in 2022

Helium is a highly valued and irreplaceable industrial gas which is essential in an era of global high tech. Imperial Helium has a strong short and medium-term strategy, an exceptional management team with a combined 100 years of proven track record, and a long-term plan for sustained value generation to the world. [SW](#)

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