



OCTOBER 2021



ROYAL HELIUM
LTD.

TSXV: RHC

Helium E&P in Saskatchewan



Saskatchewan Based



Saskatchewan Serviced

Local Support



Climax

CITY OF
Estevan

A TOURISM HUB FOR SOUTHWEST SASKATCHEWAN.
Shaunavon


Weyburn

Helium

Saskatchewan is the only place on the planet that has produced, and is producing Primary Helium – Helium without hydrocarbons

Non-Renewable
Cannot be
manufactured

Formed deep beneath
the earth's surface
through the decay of
U & Th

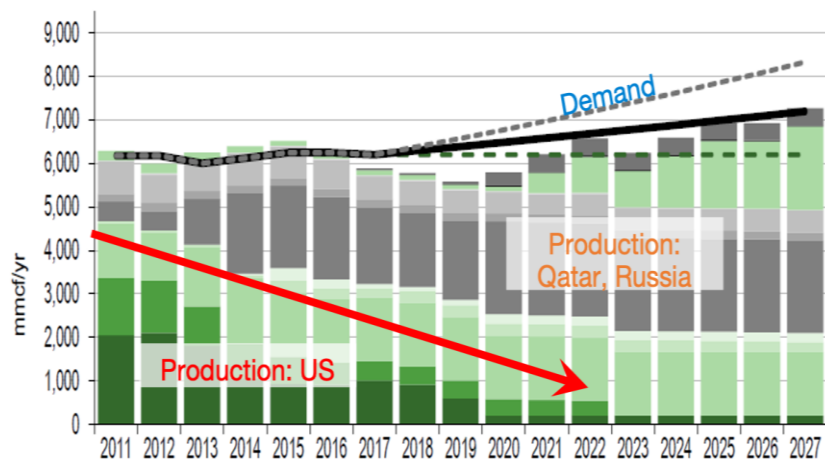
Byproduct of Natural
Gas Production in
Russia, US, Algeria,
Qatar & Canada

Abundant in the
universe, but rare on
earth

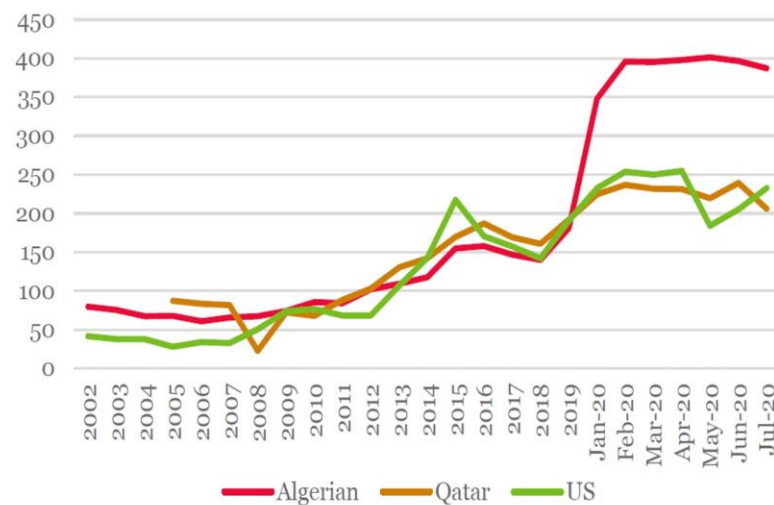


Supply, Demand and Pricing

North American and ROW Supply & Worldwide Demand



Estimated European import pricing, €/mcf

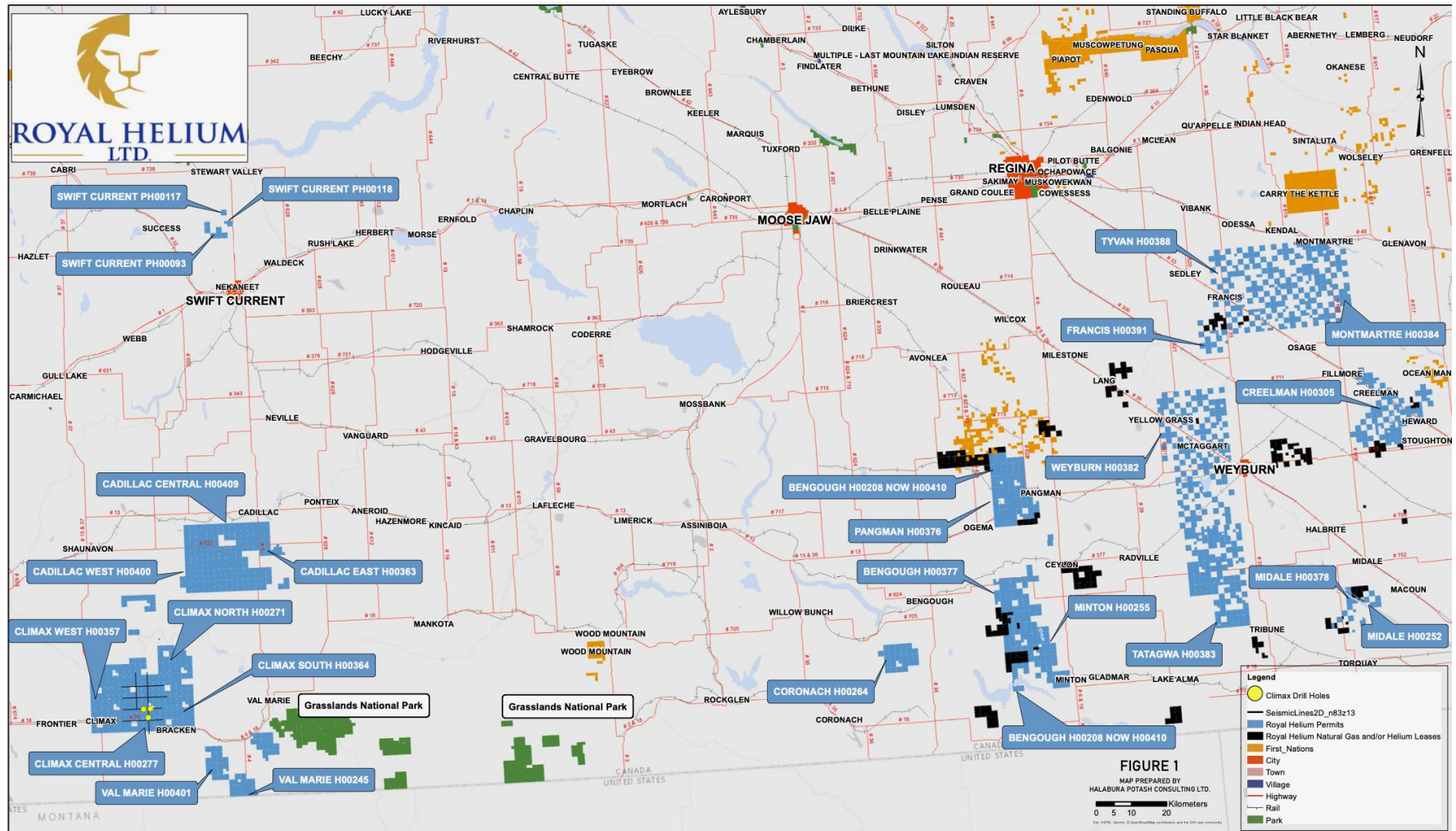


Source: Eurostat; Hannem & Partners research

Saskatchewan – West to East



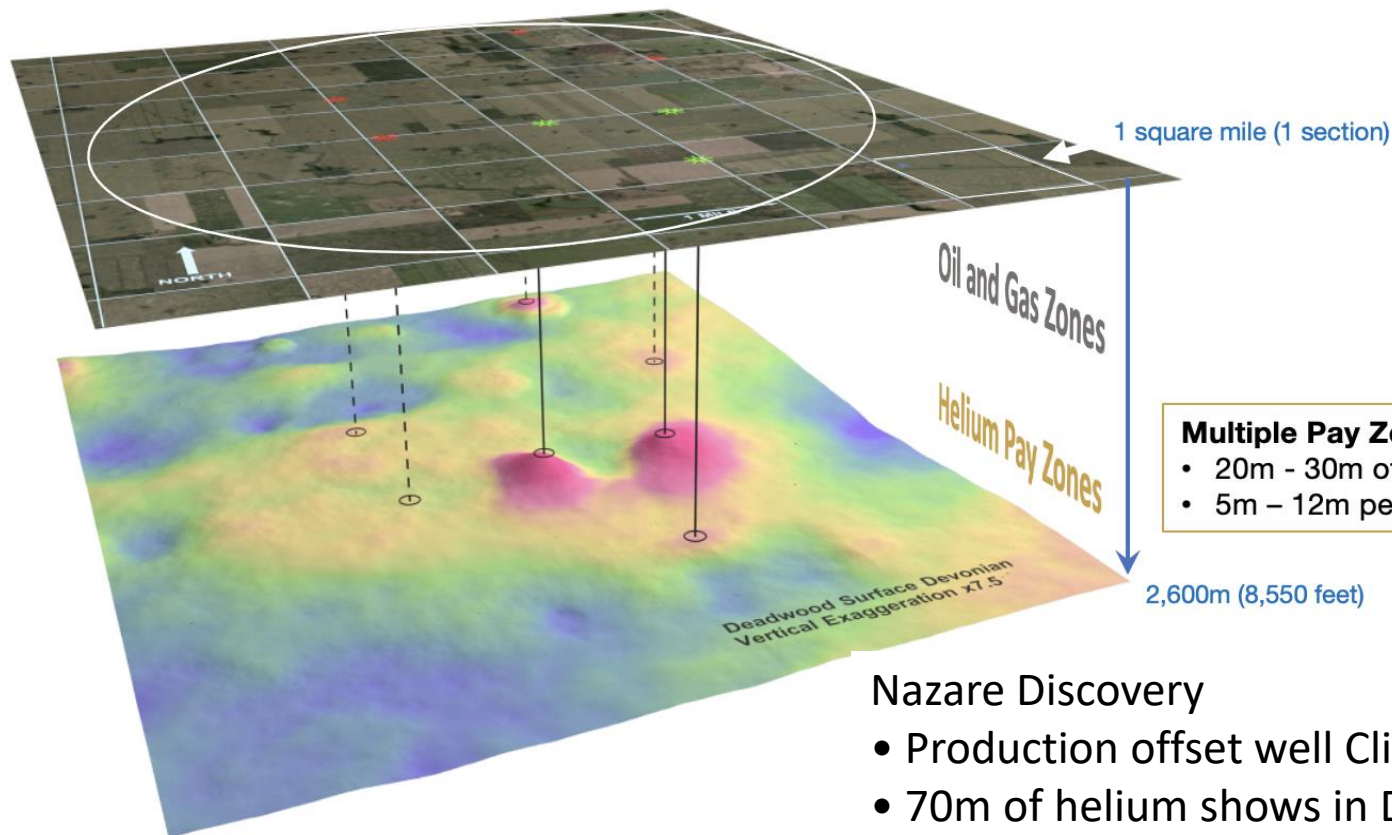
ROYAL HELIUM
LTD.



Climax and Nazare Discovery

30 Square Mile Structural Trap

- 7 initial target wells
- Up to 4 wells per square mile for development wells



Nazare Discovery

- Production offset well Climax-4
- 70m of helium shows in DSTs
- Below traditional helium zones

E & P Across Saskatchewan

1. Climax 4 spud August 7th 2021
 - Permitted as an exploration and production well
 - Offset to Nazare discovery in well #3
 - Core samples (~2,600-2,700m VD) to optimize production technique
 - DST over 120m, 70m of consistently high helium shows
2. Initial production for Climax/Nazare aimed for before 2021 year end :
 - Completions testing to be correlated with Climax-4 Nazare testing and analysis
 - Offtake agreements, ongoing/in discussions
 - Potential processing facilities/partners
3. Permitting/licensing 2 additional wells at Climax for Q4 2021
4. 4 New Wells Proposed for SE Saskatchewan:
 - Finalizing targets with magnetic surveys/seismic
 - Bengough
 - Ogema
 - Griffin
5. Continue Target Inventory Development Over Large Helium Land Package – 2nd largest in North America

Moving from Land to Liquids

Downstream Future – Local processing plant, equipment and services within Saskatchewan.

Locally sourced design, fabrication and services.

- Membrane separation (mobile) facilities
- Midstream processing agreements
- Pressure Swing Absorption (PSA purification facilities)
- Liquefaction facility
- Poly-generation facility to commercialize the CO₂ and the N₂ gases
- Product transport, export and sales



Royal Helium Management Team



Andrew Davidson CPA, CA
President and CEO

10 years of finance and resource development experience, all Saskatchewan-based

Jeff Sheppard CPA, CA
CFO

10 years of finance and resource development experience, all Saskatchewan-based

Steve Halabura P.Geo.
VP Exploration

40 years of geoscience experience, all Saskatchewan-based

Shayne Neigum
Manager of Well Operations

Extensive experience in E&P project management, geo-steering, and wellsite supervision.

Dean Nawata
VP Corporate Development

30 years of finance, public markets and resource development experience

Technical Partners



Saskatchewan Research Council



Energy Services | Geomatics | Exploration | Environment

For More Information Contact



Andrew Davidson, President
davidson@royalheliumltd.com
+1 (306) 281-9104

Dean Nawata, Vice President
dean@royalheliumltd.com
+1 (604) 561-2821