



2 February 2022

## **Jesse#1 Surface Use Agreement Executed & Drill Contactor Nominated**

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- Well permitting and preparation activities are on-track for the Company's maiden helium well, Jesse#1
  - Surface Land Use Agreement executed with private landowner
  - Preferred drill contractor nominated
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**Grand Gulf Energy Ltd (ASX:GGE) ("Grand Gulf" or the "Company")** is pleased to advise that permitting and preparation activities for the Company's forthcoming maiden helium drilling programme at the Red Helium Project are proceeding within budget and projected timeframes.

### **Surface Land Use Agreement**

A Surface Land Use Agreement (SLUA) incorporating the first well location at Jesse#1 has been executed with the private landowner. The SLUA grants an easement for access to the premises and existing roads and allows for the construction of well sites.

### **Drilling Contractor Nominated**

Drilling contractor Aztec Well Services (Aztec) has been nominated for the drilling of Jesse#1. Aztec is based approximately 125 miles southeast of the Red Helium project area, in Aztec, New Mexico. Aztec is the first-choice contractor for newly appointed Drilling Superintendent Doug Frederick with Doug having experience with Aztec in drilling wells at the nearby Doe Canyon helium/CO<sub>2</sub> field.



## Red Helium Project Details and Resource

**Table 1 - Valence Prospective Resources\***

Recoverable Helium	1U (P90) (BCF)	2U (P50) (BCF)	3U (P10) (BCF)
Gross to Valence - (28,046 gross acres)	7.6	<b>10.9</b>	12.9
Net to Valence - (18,959 net acres)	5.2	<b>7.4</b>	8.5
Net to GGE - (earning 85% of net Valence)	4.4	<b>6.3</b>	7.2
Red Project Total	7.9	<b>20.8</b>	<b>57.6</b>

\* *Sproule as announced on ASX on 8 December.* The Company is not aware of any new information or data that materially affects the information included in the referenced ASX announcement and confirms that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

The Red Helium Project provides exposure to the burgeoning helium industry in a known helium-producing area that comprises:

- 250,713 acre area of mutual interest (AMI) with over 29,000 acres (private leases/Utah state leases) leased in drill-friendly Utah in the heart of the most prolific helium-producing region in the world
- Geologically analogous to Doe Canyon Field (Sproule Resource Report, pg 12), Doe is situated 15 miles due east of the Red Helium project, and is currently producing approximately 10,700,000 cubic feet of helium per month, the bulk of which comes from only 7 wells. Air Products (market cap: US\$62.5B<sup>1</sup>) is processing the helium, and it is anticipated that Doe Canyon will ultimately produce 3-5 billion cubic feet of helium. With additional drilling, this resource figure could increase
- 315 kms of well-placed 2D seismic has been acquired and reprocessed – identifying multiple drill targets – and confirming a structural trap 4-5 times larger than Doe Canyon Field
- 20 miles south of and connected by pipeline to the operational Lisbon Helium Plant (99.9995% purity)
- Current helium strip pricing ranges from \$250-\$400/mcf<sup>2</sup>.

<sup>1</sup> <https://finance.yahoo.com/quote/APD/>

<sup>2</sup> Edison Research Global Helium Market Update, May 2021

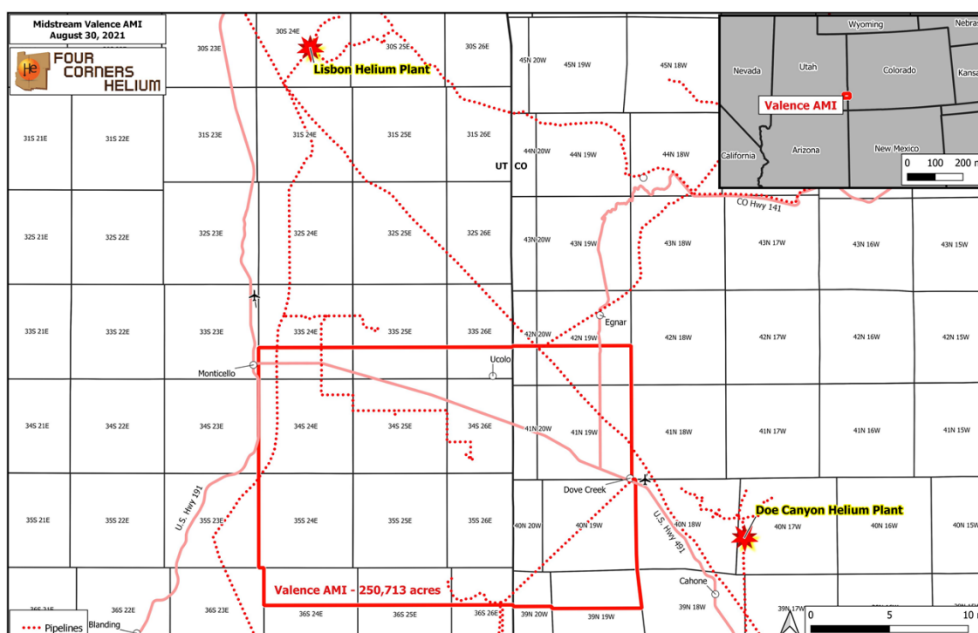


Figure 1 Valence AMI containing the Red Helium Project with local pipelines (dotted red) and the two nearby helium fields/processing plants

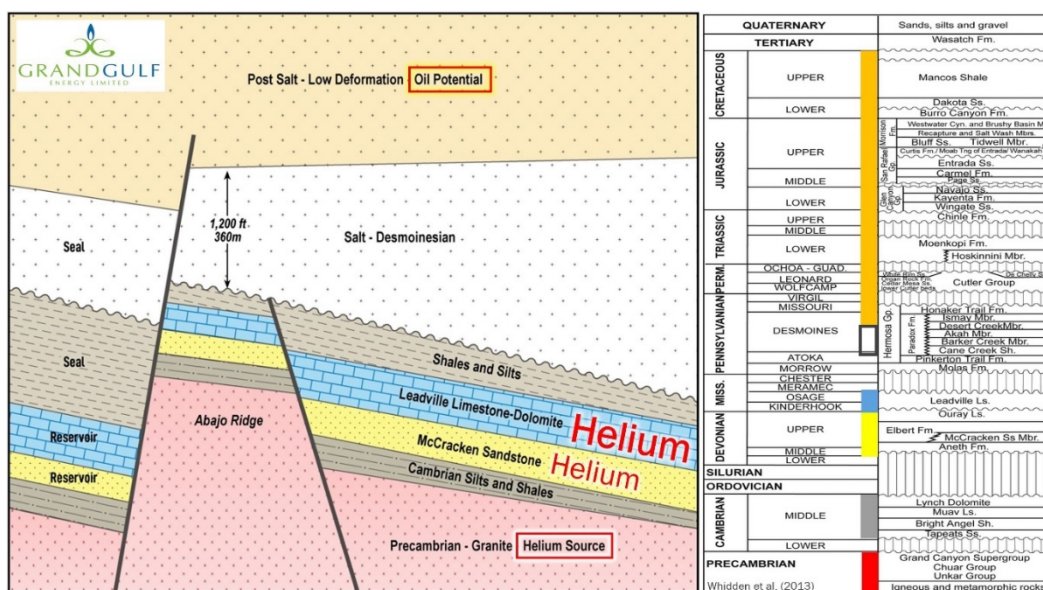


Figure 2 – SE Utah Stratigraphic Chart colour coded to a stylized representation of the Red structure

This release has been approved by the Board.

For more information about Grand Gulf Energy and its projects, contact:

**Keith Martens**  
CEO  
E: [info@grandgulfenergy.com](mailto:info@grandgulfenergy.com)

**Mark Freeman**  
Director  
E: [markf@grandgulfenergy.com](mailto:markf@grandgulfenergy.com)



### **Competent Person's Statement**

The information in this report is based on information compiled or reviewed by Mr Keith Martens, CEO of Grand Gulf. Mr Martens is a qualified oil and gas geologist/geophysicist with over 45 years of Australian, North American, and other international executive oil and gas experience in both onshore and offshore environments. He has extensive experience of oil and gas exploration, appraisal, strategy development and reserve/resource estimation. Mr Martens has a BSc. (Dual Major) in geology and geophysics from The University of British Columbia, Vancouver, Canada.

### **Forward Looking Statements**

This release may contain forward-looking statements. These statements relate to the Company's expectations, beliefs, intentions or strategies regarding the future. These statements can be identified by the use of words like "anticipate", "believe", "intend", "estimate", "expect", "may", "plan", "project", "will", "should", "seek" and similar words or expressions containing same. These forward-looking statements reflect the Company's views and assumptions with respect to future events as of the date of this release and are subject to a variety of unpredictable risks, uncertainties, and other unknowns. Actual and future results and trends could differ materially from those set forth in such statements due to various factors, many of which are beyond our ability to control or predict. These include, but are not limited to, risks or uncertainties associated with the discovery and development of oil, natural gas and helium reserves, cash flows and liquidity, business and financial strategy, budget, projections and operating results, oil and natural gas prices, amount, nature and timing of capital expenditures, including future development costs, availability and terms of capital and general economic and business conditions. Given these uncertainties, no one should place undue reliance on any forward-looking statements attributable to GGE, or any of its affiliates or persons acting on its behalf. Although every effort has been made to ensure this release sets forth a fair and accurate view, we do not undertake any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.