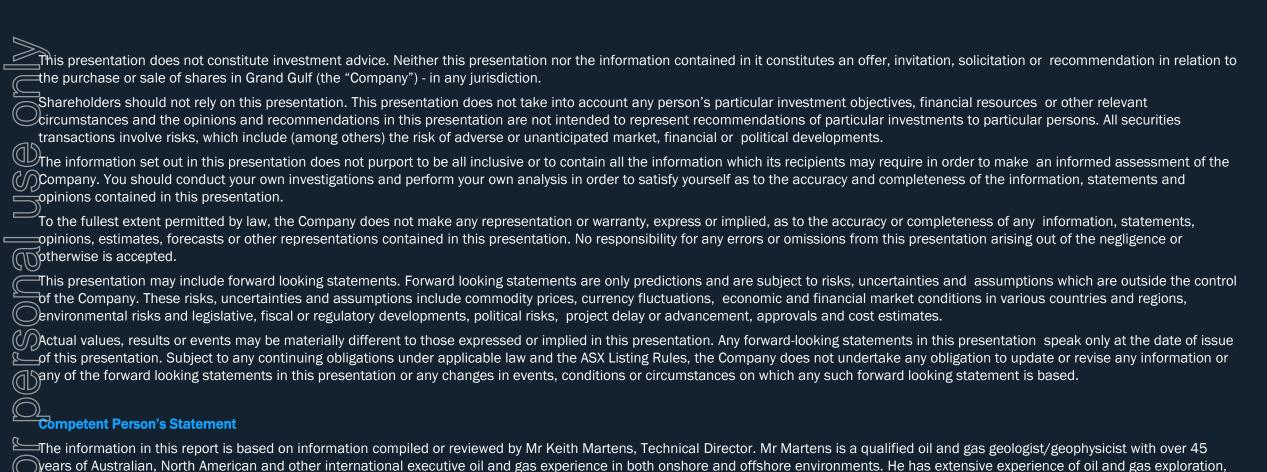


Corporate Disclaimer





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.

Grand Gulf Energy Limited | Red Helium Update

Red Helium Project



Pure-play Helium, Potential for Near Immediate Production

Location



- Drill Friendly Utah
- Dominant Lease Position
- > 29,000 acres leased / 250,000 acre AMI

Midstream

- · Helium Offtake Agreement
 - executed with nearby Lisbon helium plant
 already connected by pipeline
- Within 20 miles to 2 of only 8 US helium plants
- Spot prices >US\$2000/mcf, 个~300%

Producing Analogue

- Doe Canyon (DC)
 - 15 miles east
 - 3 5 bcf anticipated helium production
 - High rate gas wells: Avg. IP ~20mmcfd
 - Avg. helium grade ~0.4%

Large Resource

- Known Geology, 315km quality 2D seismic
- Vintage wells within AMI proved non-flammable gas and working helium system
 - Maiden Helium Prospective Resource
 - Gross P50 un-risked 10.9bcf¹

Jesse Discovery

- 1% helium concentration³
- > >200ft Gross Gas Column, 101ft Net Pay
 - (Independently Audited, Sproule²)
 - DC analogue well @1% He ~200mcfd helium
- High BHP 2,645psi (on trend with DC virgin)

Project Development

- Jesse-2 to spud late Q4 '22 / early Q1 '23
- Forward leasing priorities well defined
- Additional drill permits expected in Q4 2022
- Third well anticipated for Q1 2023

Project Delivery & Monetisation: Fully Funded for Jesse#2 Mar / Apr '22 Appraisal & Greater Red Project Sep '21 Acquisition Offtake / Alliance Development **'22 Q4 '23 01 '23 02 '22 Q1 '22 Q2** 2021 **'22 Q3** Dec '21 Jesse J-2 Production 3rd Well Maiden Resource Discover\

1 ASX announcement 8 Dec 2021, Maiden Prospective Resource, based on Sproule Report, detailed in Slide 4.2 ASX Announcement 21 Sep 2022, 3 ASX Announcement 19 Oct 2022

Corporate Snapshot

GRANDGULF

US-Focused Pure-play Helium Explorer

Financial Information

| GGE (GRGUF) |
|-----------------|
| 1,546 million |
| A\$32.5 million |
| A\$7.1 million |
| 165 million |
| 60 million |
| 10 million |
| 103 million |
| |



| Red Helium Project: | | | Max Earn-in |
|--------------------------|---------|-------|-------------|
| Earning 85% of Valence | Earning | WI | Cost \$US |
| Current Interest | | 70% | |
| Drilling second well | 7.5% | 77.5% | \$1.5M |
| Drilling third well | 7.5% | 85% | \$1.5M |
| Total Payments Remaining | | | \$3.0M |

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

The estimated quantities of helium that may potentially be recovered by the application of a future development project relate to undiscovered accumulations. These estimates have both an associated risk of discovery and a risk of development. Further exploration appraisal is required to determine the existence of a significant quantity of potentially moveable helium.



SOMAI

De-risked asset base

Assets have existing wells with Helium present and extensive 2D seismic



Robust netbacks

Low breakeven and low production costs with high torque to commodity prices



Low-cost exploration

Multiple Drill Ready Targets: Future wells ~US\$3.3m



Skilled executive team

Management brings track record of North American asset development



Carbon market exposure

45Q Tax Credit upside through CO₂ sequestration potential



Access to capital

ASX/OTCQB listing expands investor base, provides exposure to international capital DTC application in process

¹ ASX announcement 8 December 2021, Maiden Prospective Resource, based on Sproule Report. 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. (Pre-drill Jesse#1A)

Jesse-2: Location



Potential Company-making Pure-play Helium Well

Jesse Discovery

 >200 ft gross gas column exceeding pre-drill expectation increases areal extent to over 70,000 acres

Jesse-2: Second Red Helium Project Well¹

- Best location on Jesse structure, located 1.5 miles south-east of Jesse-1A
- Calibration of 2D seismic data with Jesse-1A and historic well results to target a structural high location on the Jesse feature to maximise the thickness of the gas pay zone and avoid water

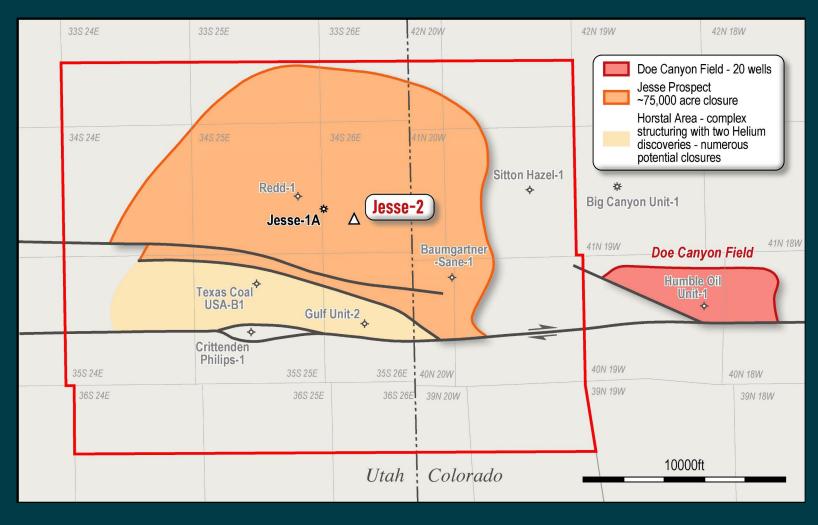
Primary Reservoir Target

30Ma

Mississippian Leadville Dolomite

Forward Plan / Catalysts

- Jesse-2 planned for late Q4 2022 / early Q1 2023 spud - potential for near immediate production in success case
- Forward leasing priorities well defined
- Additional drilling permits expected Q4 2022
- Third Red Helium Project well anticipated Q1 2023

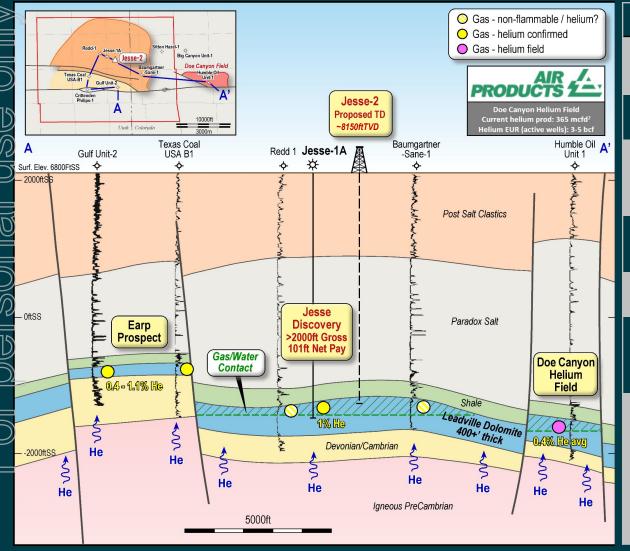


¹ ASX announcement 7 November 2022, Drilling of Jesse-2 Planned for Q4 2022

Jesse-2: Low Cost / Low Risk Pathway to Production



Planned for late Q4 2022 / early Q1 2023 spud

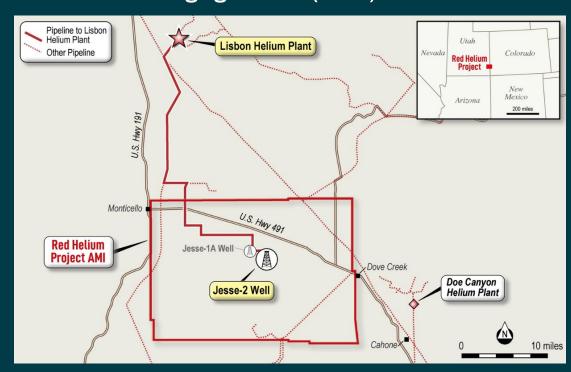


| Attribute ¹ | Status | Comments |
|---------------------------------------|--------------|--|
| 1% proven helium conc. | | Far exceeded pre-drilling estimates |
| | √ | Commercial grade |
| | | Evidence for upside helium charge model |
| Strongly pressured | \checkmark | • 2,465psi bottom hole pressure at Jesse-1A |
| reservoir | | On trend with Doe Canyon virgin pressure |
| 200ft gross gas column at Jesse-1A | | Exceeded pre-drill expectation increasing closure |
| | √ | 101ft net pay |
| | | Vugular porosity with extensive hydrothermal dolomitization and productive reservoir |
| 10.9 bcf helium | | • >70,000 acre closure at Jesse |
| Resource | √ | Up to 4x closure of nearby massive Doe Canyon helium field |
| Offtake agreement and | | Binding offtake agreement with Lisbon helium |
| existing pipelines | V | plant 20 miles to the north |
| | | Helium price soaring with rationing to customers |
| Booming commodity | ✓ | Structural market deficit with international buyers |
| Beening commonty | | desperate for supply |
| | | De-coupled to market / normal commodity cycles |
| Commercial production from Jesse-2 | ? | Well design exclusively targets gas zone production – same as Doe Canyon well evolution |
| | | Priority to complete well above the gas/water |
| | | contact to manage the risk of water ingress |
| | | Managed pressure drilling to minimize damage |
| | | and maximize gas flowrates, with preliminary |
| | | flow-testing during the drilling phase |
| | | Prolific analogue 15 miles to the east |

Helium Offtake Agreement Secured

GRANDGULF

Gas Sales & Processing Agreement (GSPA) executed with Paradox Resources LLC¹



Lisbon Valley Gas Plant Specifications

- 60mmcfd treating plant, 45mmcfd cryogenic plant
 - 0.5mmcfd liquefaction high purity 99.9995% helium "5½ Nines"
 - · Demands premium pricing multiplier
 - 0.6mmcfd 99.989% gaseous helium
- Currently sequestering CO₂ well advanced in permitting to qualify for carbon capture tax credits (Revenue - 450 Tax Credits)

2 of the 8 helium purification plants in the U.S. are within 20 miles Offtake: Jesse to Lisbon

- Validates technical merit of Greater Red Helium project
- Industry standard commercial terms such as 80/20 revenue split, gas gathering / treatment tariffs
- Established gathering system in project AMI immediately adjacent to Jesse-1A/2 and connects directly to the Lisbon plant
- Pathway to monetization and FCF with minimal time delay / CapEx for success case well
- Strategic Alliance to work with offtake partner to identify high tech end users (space, semiconductor)²
- Identify long term large volume contracts for premium liquified helium, which demands premium pricing (x4 5 multiplier)



¹ ASX announcement 16 Mar – Helium Offtake Agreement Secured, ² ASX announcement 11 Apr 2022, Strategic Alliance

Helium Demand: Irreplaceable Technological Enabler



Major growth predicted in all areas, particularly:

Space, Medical, Semiconductor and Fibre-Optic



Inert

Doesn't react with other elements and non-flammable unlike hydrogen









Non-toxic

Can be used in many applications without posing health or wellness risks



Lighter than air

Ability to lift or float. Atmospheric molecules escape to space



Boiling point -269°C

Liquid at ultra cool temperatures enables superconductivity



High Thermal Conductivity

Removes heat in space applications and electronics manufacturing



Small molecular size

Can be used to find the smallest of leaks



19%

15%

Lifting

Other

15%

Helium Usage by Industry

4% 4%

5%

15%

5%

7%

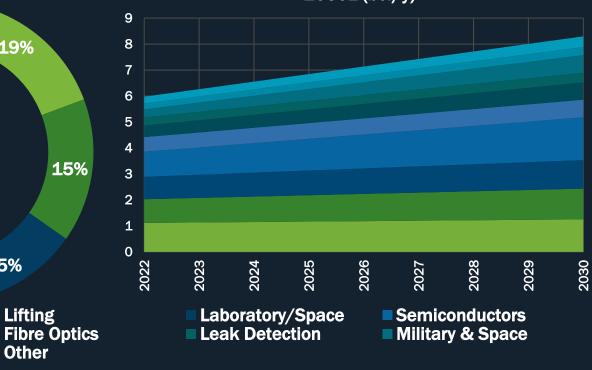
10%

■ MRI/NMR

Diving

Welding/Cutting

Forecast helium consumption by industry 2022 - 2030E (bcf/y)



Source: H&P Equity Research / Akap Energy estimates Feb 2022

Helium Supply Demand Balance

GRANDGULF

Helium Supply Shortage: extending through 2023

Supply: Helium Shortage v4.01

Devastating fire at Amur facility impacts 20-30% of potential global helium capacity through at least 2023, exacerbated by increased geopolitical tensions. Russian supply dominated by Amur increasing to ~1.4bcf/yr by 2025, now significantly delayed.

US Strategic Helium Reserve 6-month shutdown 1H22 impacted up to ~20% of US supply (10% global). Production re-instated, but quickly depleting.

Other major suppliers historically unreliable, majority of supply shifting from US to Russia / Qatar.

Simply not enough supply, even before outages.

Market

Wholesale global helium is a multi-US\$b market3

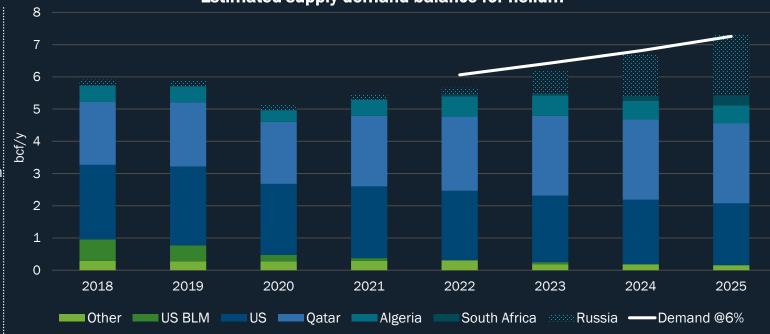
Most US majors are in Force Majeure, unable to meet supply contracts and rationing helium

US spot market prices >US\$2,000/mcf1

An increase of circa 300% over last year

US\$52b CHIPS act to promote domestic semiconductor fabrication, with Intel and TSMC investing >US\$30b in Arizona, proximal to the Red Helium Project

Estimated supply demand balance for helium²





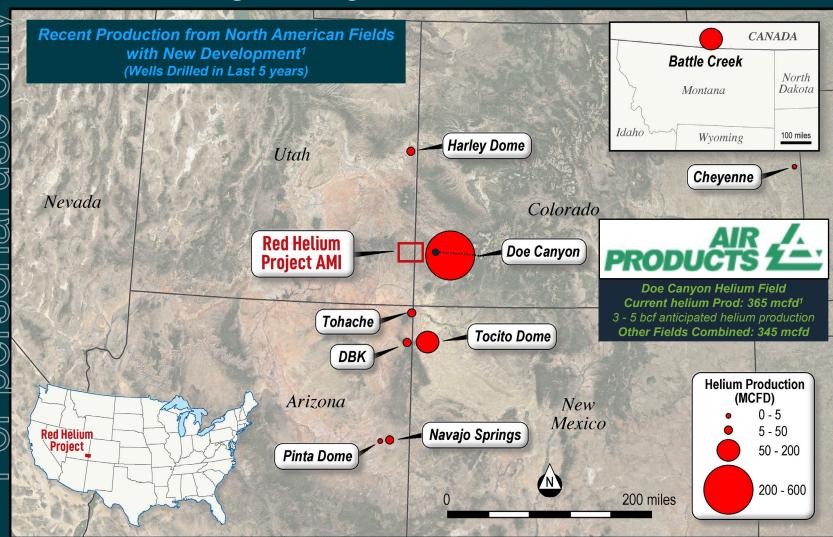


¹https://www.gasworld.com/helium-markets-now-experiencing-helium-shortage-40/2022650.article ²Source: H&P Equity Research / Akap Energy estimates Feb 2022, ³ Edison Research Global Helium Market Update, May 2021 ¹

Four Corners Area: New Helium Production

GRANDGULF

Prolific Proven Producing Helium Region



Doe Canyon Analogue

- Up to 50% of new North American production is from the Doe Canyon Field¹
 - Located 15 miles to the east
 - High rate gas wells: Avg. IP ~20mmcfd
 - Average helium grade ~0.4%
 - = high helium flow rates ~80 mcfd
 - Doe Canyon Analogue Well @1% helium
 ~200mcfd helium

Recent Market Activity

- NASA / Air Products: 0.9 bcf helium for US\$1.07b²
 - 2022 long-term contract implies >US\$1200/mcf
 - Air Products, NYSE:APD, Market Cap US\$68b

Four Corners Near Term Development Areas

- Paradox Basin (UT/CO inc. Red Helium Project)
- Holbrook Basin (AZ) / Tocito (NM)

Greater Eastern Rockies

- Prolific LaBarge Field to the North (WY)
- Provides majority of US production

¹Estimated recent field production for fields with new development activity (wells drilled in the last 5 years): Four Corners Helium LLC Internal Estimates, ² https://www.gasworld.com/story/air-products-inks-potential-1bn-helium-deal-with-nasa/2118880.article

Red Helium Project – High Quality Dataset



High Quality 2D Seismic Coverage and Well Control

Red Helium Project & Dataset

Dominant lease position focused on prime prospective locations, driven by high quality seismic

>29,000 acres (private leases/Utah state leases) leased in drill-friendly Utah

Lease holdings 315 km's of high-quality seismic data acquired and reprocessed

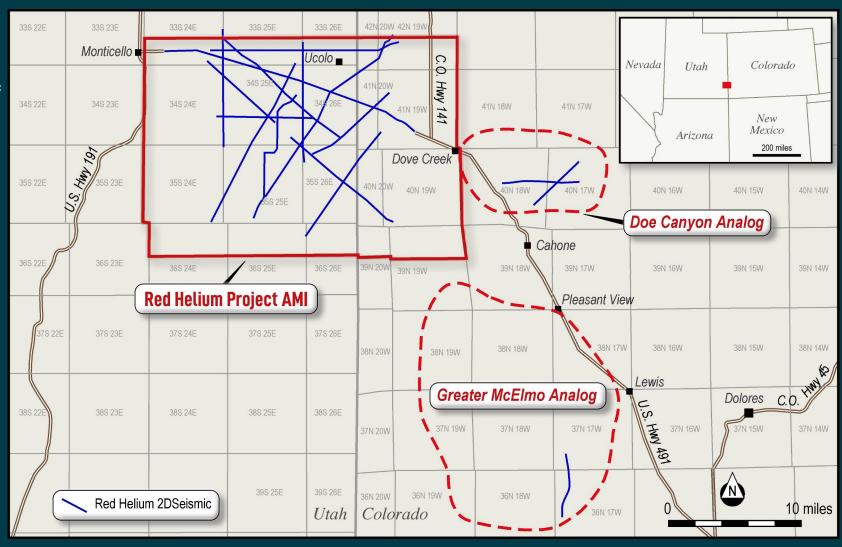
Excellent data, particularly below the salt seal

Analog Doe Canyon and McElmo Fields – same reservoir/same trap/same source rock

Geologic analogs, and historic wells exclusively targeting hydrocarbon in the AMI, with proven helium concentrations

__Jesse Discovery

1% helium consistent with upside helium charge model exceeding pre-drill expectation, and further de-risking greater Red Helium project



Strategic Alliance with Helium Offtake Partner



Exploit Significant Synergies Between Red Helium project and Paradox Resources Assets

Pursue several advanced opportunities to optimize and prioritize near-term exposure to the burgeoning helium market with potential mutually commercially advantageous revenue sharing agreements

Paradox liquefier

- Potential priority supplier to re-start the Paradox liquefier
- Current helium production gaseous purified 99.989%
- Liquefaction high purity 99.9995% helium
- Attracts premium pricing, US spot recently over US\$2,000/mcf
 - Expansion of Jesse-1A to Lisbon Offtake Agreement

≚Collaborative downstream marketing

Targeting end users of high-purity helium such as semi-conductor manufacturers and the space industry





CO2 Disposal Options with Revenue Generating Potential

- Joint investigation of Red Helium Project CO₂ for enhanced oil recovery (flooding) from Paradox's Lisbon Oil Field
- Investigate expansion of carbon sequestration activities at Paradox's Lisbon Plant to include ${\rm CO_2}$ from Red Helium Project and application for tax credits (revenue) under Section 45Q of the US Tax Code
- 2022 Inflation Reduction Act increases value to \$85 per metric tonne CO₂

Corporate opportunities

• Potential synergistic commercial benefits in assessing corporate opportunities that involve both Paradox assets and the Red Helium Project and have agreed to jointly pursue such opportunities.

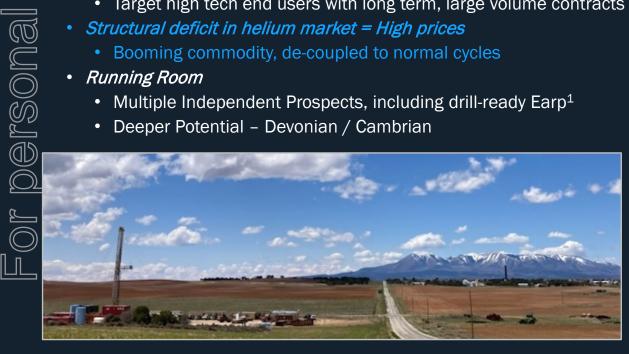
ASX announcement 11 Apr 2022, Strategic Alliance

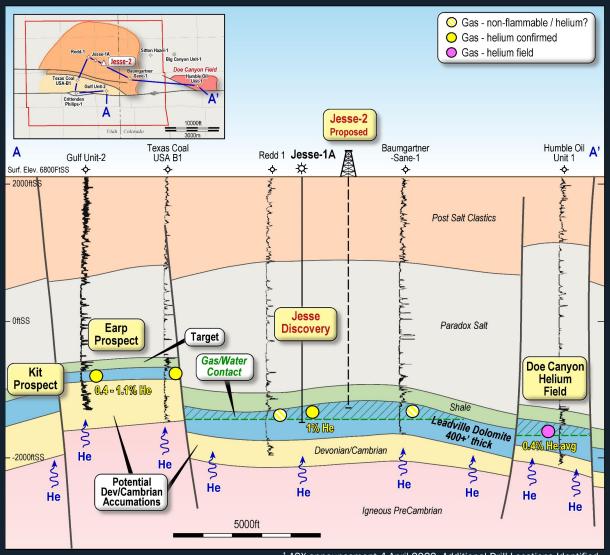
Investment Highlights: Low Cost / Low Risk Pathway to Production



Jesse-2 Planned for Late Q4 2022 spud

- Multiple near-term catalysts / huge upside
- De-risked geology, high flow rates, commercial helium grade
- GGE positioned to capitalise quickly / cost effectively
 - Existing infrastructure: minimal time / CapEx
 - Significant near term FCF potential
- Resource scale / Asset play
 - 10.9bcf He vs multi-\$b global market of ~6bcf/yr
 - Target high tech end users with long term, large volume contracts
- Structural deficit in helium market = High prices
 - Booming commodity, de-coupled to normal cycles
- Running Room
 - Multiple Independent Prospects, including drill-ready Earp¹
 - Deeper Potential Devonian / Cambrian





¹ ASX announcement 4 April 2022, Additional Drill Locations Identified

rsonal

Investment Highlights: Low Cost / Low Risk Pathway to Production



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Strong Management & Board





Dane Lance Managing Director

- >18 years' experience across E&P Lifecycle, Reservoir Engineer, including many major/mega development projects with significant exploration and MA&D
- · Woodside Energy, Oil Search, Ophir



Keith Martens Technical Director

- >40 years' experience as an oil finder
- North America Hudson Bay, Home Oil, Marathon, and Sacgasco
- Australia SANTOS, Tap Oil, Bow Energy, Victoria Petroleum/Senex
- International Jupiter (Kazakhstan)



Lloyd FlintCFO / Company Secretary

- >25 years' experience in the corporate and financial services arena.
- · Chartered Accountant, BAcc, FINSIA and MBA
- Numerous management / senior administrative positions, and corporate advisory services as a consultant to corporate clients



Craig Burton Chairman

- Experienced active investor in emerging oil and gas companies
- Provides financial backing and legal advice

Red Helium Project (Valence Resources LLC) Joint Venture Partner: Four Corners Helium LLC - www.fourcornersheliumllc.com

Leadership

Four Corners Helium is a powerhouse of professionals with over 400 years of combined experience and expertise that are committed to finding and producing helium reservoirs.

Tim Rynott

CEO, Exploration Geologist

- 40 years of oil and gas experience
- Has generated or endorsed discoveries with a gross net worth of almost US\$1Bn
- Has held key leadership positions on numerous national and regional Boards, including AAPG, GCAGS, and LOGA.

David McCarver

COO, Contracts/Land

- >46 years experience in oil and gas
- Ex State and Federal basins in Texas and Louisiana Gulf Coast, Ark-La-Tex, Mid-Continent, Permian, Rockies and the Gulf of Mexico
- Leased and directed the leasing of >200 drilling prospects, managed E&P programs, created joint ventures, raised capital from direct investors and promoted industry partners.

Eric Cummins

Vice President, Exploration and Production

- 30yrs experience in exploration and as production geologist
- Ex Geological Manager for Apache instrumental in reaching goal of 150,000 BOPD in the Permian.

Sabina Kraushaar

Partner, Petrophysicist, Structural Geologist

- Geoscientist with expertise mapping subsurface geology utilizing Petra software.
- Manages a database with >100,000 wells, 17,000 geologic tops and >10,000 digital logs.

Doug Frederick (Valence Resources LLC)

Drilling Manager

- Over 40 years of experience in drilling and well operations.
- Directed the drilling and workover of over 2500 wells.
- · Responsible for annual drilling and workover budgets of over \$500M.
- · Drilled in 7 different States

Jake Cammack

Partner, Geochemist, Specialist in Geographic Information Systems (GIS)

 Created a database with >17,000 gas-composition and helium analyses - comprises the most complete gas geochemistry dataset ever assembled for Utah, Colorado, New Mexico and Arizona.

GRANDGULF



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Glossary



| Abbreviation | Description |
|------------------|---|
| He | helium |
| US BLM | US Bureau of Land Management – National Strategic Helium Reserve |
| UDGOM | Utah Division of Gas Oil and Mining |
| SITLA | Utah School and Institutional Trust Lands Administration |
| U | Prospective Resources - 1U/2U/3U - P90/P50/P10 - low/most likely/high |
| cf | Cubic Foot of Gas |
| scf | Standard Cubic Foot of Gas |
| b | Prefix - Billions |
| mm | Prefix - Millions |
| m | Prefix - Thousands |
| /d, d | Suffix – per day |
| tCO ₂ | Tonnes of Carbon Dioxide |
| YE | Year End 31 December |
| WI | Working Interest |
| NRI | Net Revenue Interest (after royalty) |
| Net | Working Interest after Deduction of Royalty Interests |
| NPV (10) | Net Present Value (discount rate), before income tax |
| EUR | Estimated Ultimate Recovery per well |
| Net Acres | Working Interest Acres |