

Highlights

Gulf Energy Limited (ASX: GGE) (Grand Gulf or the Company) is pleased to provide shareholders with the following summary of its activities during the December 2022 quarter.

- Red Helium Project Updates:
 - o Jesse-1A Downhole Sample Returns Exceptional Helium Grade of up to 1% Exceeding Pre-drill Expectation
 - The analysis of the Jesse-1A downhole sample was post the announcement of the Jesse discovery which included the following highlighted Jesse-1A results, generally exceeding pre-drill expectations:
 - Over 200 feet of gross gas column;
 - 101 feet of net pay (Independently Audited).
 - o Top Drilling Manager Appointed
 - Experienced Drilling Engineer, Todd Gentles, has been appointed as Drilling Superintendent for the Red Helium Project.
 - Over 40 years of experience including 15 years at the neighboring Doe Canyon helium/CO₂ field, and the geologically analogous McElmo Dome and Cow Canyon.
 - Mr Gentles' hands-on local knowledge is a major step towards implementing a large-scale drilling programme.
 - Jesse-2 Drill on Schedule for Q1 2023 Spud
 - Jesse-2 Optimal Location and Well Design Chosen
 - Jesse-2 will exclusively target the gas zone(s) discovered in Jesse-1A, incorporating managed pressure drilling which will allow testing while drilling the target reservoir zone.
 - Jesse-2 located 1.5 miles south-east of the Jesse-1A discovery well and within the same structure which intersected a >200ft gas column and returned 1% helium to surface.
 - o Jesse-2 Drill Permit Received
 - Helium Offtake Agreement Secured for Jesse-2
 - Gas Sales & Processing Agreement (GSPA) with Paradox Resources LLC (Paradox) expanded to include Jesse-2 well allowing for near immediate monetization of a commercial well.
 - Site Construction Begun at Jesse-2 Well Pad
 - Rig Contract Secured for Jesse-2
 - Aztec Well Services Co. (Aztec) contracted to drill second helium well Jesse-2
 - Aztec is the drilling contractor of choice of Red Helium project Drilling Superintendent, Todd Gentles who previously worked with the exact Aztec rig and crew at the neighbouring Doe Canyon CO₂/helium field
 - Extreme price pressure in the helium market with increased demand and supply side shortages estimated to continue through 2023.
- Existing US oil production from the Desiree Field (39.6% WI) grossed a total of 4941 bo and averaged 54 bo/d during the quarter, working interest share to GGE was 1982 bo.





RED HELIUM PROJECT UPDATES

Jesse Discovery - Downhole Sample Returns Exceptional 1% Exceeding Pre-Drill Expectation

Jesse-1A downhole samples returned helium gas at an exceptional grade up to 1% to surface¹ exceeding pre-drill expectation, with productive and well pressured reservoir of 2465psi in line with virgin pressure at the neighbouring Doe Canyon analogue.

The helium concentrations compare favourably to Doe Canyon which has an average grade of 0.4%. At 1% helium an analogous Doe Canyon well at a raw gas rate of 20 million cubic feet per day would produce 200 thousand cubic feet of helium per day or 73 million cubic feet of helium per year.

The helium grade comes on the back of the Jesse discovery, which included the following highlighted Jesse-1A results, generally exceeding pre-drill expectations:

- Over 200 feet of gross gas column;
- 101 feet of net pay (Independently Audited).

Petrophysical interpretations indicated a gross gas column supporting a structural closure estimated at 4 to 5 times the neighbouring Doe Canyon analogue, which has an estimated helium recovery of 3 – 5 bcf (Air Products, market cap: US\$70B)². The annual world-wide helium market, a multi-billion dollar market, is around 6 bcf/yr.

The Jesse-1A well is immediately adjacent to unutilised pipeline connected to the Lisbon Helium Plant, owned and operated by helium offtake partner Paradox Resources LLC (Paradox).

Top Drilling Manager Appointed

Todd Gentles was appointed to the position of Drilling Superintendent for the forthcoming helium drilling programme at the Red Helium Project³. Todd has over 40 years' experience in drilling and completion, including over 15 years working with Kinder Morgan on the neighbouring Doe Canyon helium/CO₂ field.

Mr Gentles has the requisite in-depth knowledge and relevant experience in drilling and completing helium wells in the precise area of the Paradox Basin where the Red Helium Project is located.

Incorporated joint venture company Valence Resources LLC ("Valence") (Grand Gulf current interest - 70% with a right to earn up to 85%) is fortunate to secure the services of Mr Gentles. During his 15-year tenure with Kinder Morgan⁴ (market cap: US $70B^2$), he oversaw more than 35 drilling / workover rigs annually which culminated in McElmo Dome Field becoming one of the largest CO₂ producing fields in the world (~1 BCF/day); and Doe Canyon Field, the second largest producing North American helium discovery in over 60 years.

Previous Red Helium Project Drill Superintendent Doug Frederick will be continuing in a consulting and advisory capacity. Drilling Director at Kinder Morgan, Mr Frederick was responsible for drilling and workover operations of source wells and injection/production wells, overseeing 9 drilling and 30 workover rigs annually. He was responsible for annual capital budgets up to US\$300M and OPEX budgets up to US\$200M and focused on continuous improvement to increase efficiency and lower cost in delivering a quality wellbore.

OIE

⁴ Kinder Morgan owns the Doe Canyon Field whilst Air Products operates the helium component of production



¹ ASX Announcement 19 October 2022 – Jesse#1A Downhole Sample Increase Helium Grade

² https://finance.yahoo.com/quote/KMI/

³ ASX Announcement 20 January 2022 – Top Drilling Manager Appointed



JESSE-2 HELIUM WELL DRILLING ON SCHEDULE FOR SPUD IN CURRENT QUARTER

Jesse-2 Location

Jesse-2 is located 1.5 miles east-south-east of the Jesse-1A discovery well and was selected as the best of three mature prioritised locations on the Jesse structure⁵. The locations were derived from an extensive review of data from six historic wells and Jesse-1A including calibrated 2D seismic to target a structural high location on the Jesse feature to maximise the thickness of the gas pay zone.

Based on analogue performance, the Jesse discovery has the potential to support in excess of 20 wells within the areal extent of the closure, given the >200-foot column intersected at Jesse-1A.

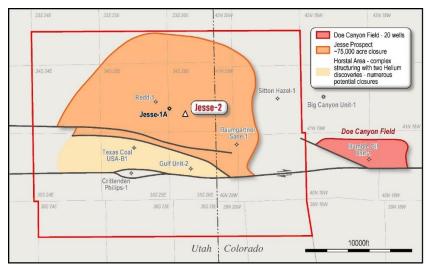


Figure 1: Jesse-2 location showing Jesse structural closure (orange) and major faulting (black).

Jesse-2 Drilling Program

Jesse-2 will exclusively target the gas pay zone(s) to minimize the risk of water production, with the planned total well depth terminating at least 50 feet above the identified gas/water contact at Jesse-1A.

The drilling program incorporates managed pressure drilling through the primary Leadville formation minimising formation damage. The program allows enhanced mud-gas returns and real-time monitoring of reservoir gas flow and gas compositions using mass spectrometry.

On identification of significant helium inflow, a bottoms-up flow test will be conducted to characterise the reservoir.

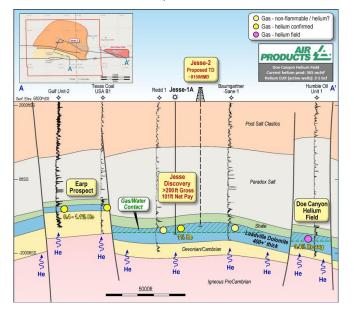


Figure 2: Stylised schematic showing Jesse-2 location exclusively targeting the gas pay zone



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Jesse-2 Drill Permit Received

In January, the Company received approval of the Permit to Drill from the Utah Division of Oil, Gas and Mining (UDOGM) for the potentially company-making second pure-play helium well, Jesse-2, at the Red Helium project⁶, positioning the Company for a Q1 2023 spud.

Jesse-2 Offtake Secured

Following receiving the Jesse-2 drill permit, the Company announced expansion of the existing Gas Sales & Processing Agreement (GSPA) with Paradox Resources LLC (Paradox) to include the Jesse-2 well. Paradox is owner of the advanced Lisbon helium processing plant located 20 miles north of the Red Helium Project.

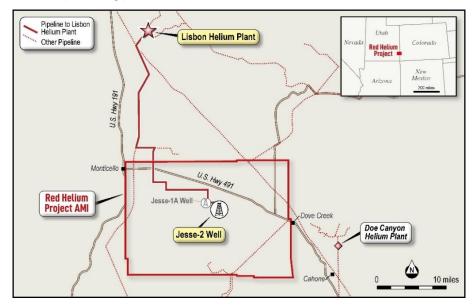


Figure 3: Jesse-2 location in the Red Helium project AMI with local pipelines / gas transport route to the Lisbon Helium Plant.

In the event of a successful well, the GSPA provides a path to monetization of the Company's second pure-play helium well, Jesse-2 which is scheduled for spud Q1 2023. The GPSA expansion continues a relationship with a proven helium refiner and seller with deep helium processing and marketing experience. The key terms include an 80/20 industry standard revenue split in favour of the producer (GGE) as well as standard tariffs for gathering, compression and processing.

The GSPA expansion represents recognition from Paradox of the significant potential of the Red Helium Project and the technical merits of the potentially company-making Jesse-2 well. Both Grand Gulf and Paradox are participating in ongoing discussions to identify further strategic business opportunities framed by a Strategic Alliance⁷, which includes GSPA expansion and further corporate synergies.

Paradox owns over 100,000 net acres and operates over 150 wells in the Paradox Basin in the Four Corners Region of Utah, Colorado, New Mexico and Arizona. Paradox is operator of 570 miles of operated gas gathering lines (220 miles of which is wholly owned) with four compression stations that feed directly to the Lisbon Valley Gas Plant.

The advanced Lisbon Valley Gas Plant is comprised of a 60 million cubic feet per day (mmcfd) treating plant with a 45 mmcfd cryogenic plant capable of liquefaction of 0.5 mmcfd of high purity 99.9995% (5 ½ Nines) helium, that attracts premium pricing for advanced applications such as semiconductor, medical, research, space and defense industries. The plant has capacity for another 0.6 mmcfd of purified ~99.989% gaseous helium currently sold to multiple suppliers and direct to downstream retail consumers via Paradox's logistics arm comprising precisely engineered specialist tube trailers.

The Lisbon Plant is also currently sequestering carbon dioxide and is well advanced in the permitting process to qualify for carbon capture tax credits under Section 45Q (Revenue) of the US tax code. The recent Inflation Reduction Act increased the value of carbon dioxide sequestered to \$85 per metric tonne, making it a potential material revenue stream for the Red Helium Project.

⁷ ASX Announcement 11 April 2022 – Strategic Alliance with Helium Offtake Partner



⁶ ASX Announcement 20 January 2022 – Drill Permit Received for Jesse-2 Helium Well





Figure 4: Paradox Resources "5.5 Nines" Lisbon Valley Gas Processing Plant.

Jesse-2 Well Pad Construction

Following receival of the Jesse-2 drill permit, well pad construction commenced at the Jesse-2 well site in Utah.8



Figure 5: Jesse-2 well pad construction begins in Utah

Jesse-2 Rig Secured

Aztec Well Servicing, Co. (Aztec) has been contracted to drill the Jesse-2 well at the Red Helium project⁹, to support spud date on schedule for Q1 2023. Aztec is based approximately 125 miles southeast of the Red Helium project area, in Aztec, New Mexico.

Aztec is the preferred contractor of GGE's Drilling Superintendent, Todd Gentles. Mr Gentles has previously worked with Aztec, including this exact rig and crew with underbalance drilling and testing procedures, whilst drilling wells at the neighbouring Doe Canyon field. Aztec drilled the Jesse-1A well within schedule and budget, with the completion and testing operations completed by a separate contractor and workover rig.

⁹ ASX Announcement 24 January 2023 – Jesse-2 Drill Contract Signed



⁸ ASX Announcement 17 January 2023 – Well pad Construction Begins at Jesse-2



Helium Market – Brief Update

Sustained helium price pressure experienced in 2022 is expected to continue through 2023. The Bureau of Land Management (BLM) Cliffside facility in Texas is back online after a 6 month shutdown in 2022, however with limited reserves and quickly depleting (~10% global supply). The Russian Amur gas plant is still yet to produce helium after a devasting fire during commissioning at the start of 2022, potentially producing first helium in 2023 but with full ramp up delayed and further exacerbated by geopolitical tensions and the Ukraine/Russian war (potentially ~20-30% global supply). Other major supply sources such as Qatar have been historically unreliable, and Algeria has been diverting gas from LNG and helium production to Europe.

With an ongoing structural supply deficit further compounded by the above factors, the market is still seeing increased high purity helium demand growth from multiple sectors including semiconductors and space, leading to extreme pressure on the global market, and in particular the US spot market. In 2022 the Company was advised of US spot prices in excess of US\$2,000/mcf for research grade helium (160mcf tube trailer) and Paradox advised of purified gaseous helium sales exceeding \$500/mcf. Spot prices increases represent a more than 300% rise over the last year and many suppliers in the US are still in Force Majeure, meaning they are rationing helium and cannot meet their supply contracts.

About the Red Helium Project:

The Red Helium Project provides exposure to the burgeoning helium industry in a prolific proven heliumproducing region, the Four Corners 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. Doe Canyon 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\$70b) 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 the Doe Canyon Field;
- Six historic wells exclusively targeting hydrocarbons were drilled within the project AMI, proving trap, seal, reservoir presence and gas charge and a working helium system, to differing degrees within each prospect. Several wells tested non-flammable gas, the only two analysed for helium confirmed helium presence; and
- 20 miles south of and connected by pipeline to the operational Lisbon Helium Plant (99.9995% purity).

Since acquisition in September 2021 the company has continued to mature the project, including the following milestones:

- Maiden prospective gross project unrisked P50 helium resource of 10.9 billion cubic feet of helium;
 - Jesse discovery (Jesse-1A), generally exceeding pre-drill expectation and highlights including:
 - Helium grade of up to 1%. An analogous Doe Canyon well at 1% helium and a raw gas rate of 20 million cubic feet per day would produce 200 thousand cubic feet of helium per day;
 - Productive and well pressured reservoir at 2465 psi on trend with virgin pressure at the neighbouring Doe Canyon.
 - Independent Auditor confirms Jesse helium discovery and maturation from Prospective to Contingent Resource category
 - over 200 feet of gross gas column; and
 - 101 feet of net pay;
- Helium Offtake Agreement with Paradox Resources LLC, a helium refiner and seller owner with extensive helium market experience and connections, and operator of the advanced Lisbon Valley helium plant;
- Strategic Alliance to expand on the Offtake terms and exploit the corporate synergies with Paradox;
- Matured three new drill locations on the Jesse structure and multiple prospects independent to Jesse, including the drill-ready Earp prospect, with plans to drill a second helium well in early Q1 2023; and
- Increased Working Interest in the Red Helium Project to 70% with a right to earn 85%.





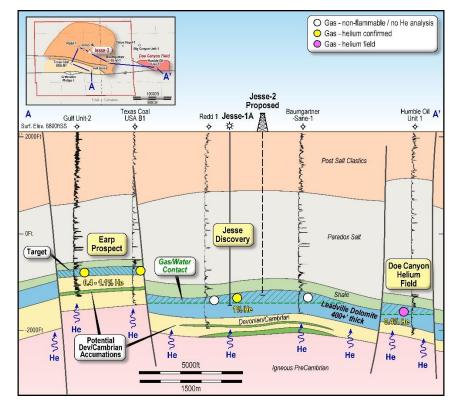


Figure 6: Stylised cross section with Jesse Discovery, Earp prospect, Doe Canyon helium field, and historic wells

Helium Offtake Agreement ("Offtake"):

Offtake executed with helium refiner and seller Paradox Resources LLC ("**Paradox**") with industry standard 80/20 revenue sharing / allowing near immediate monetisation of a success case well to monetized with minimal time and Capex¹⁰¹¹. The Red Helium project is 20 miles south of and connected by pipeline to the operational Lisbon Helium Plant.

Strategic Alliance

Grand Gulf entered into a Strategic Alliance ("Alliance") with helium refiner and seller Paradox designed to fasttrack and optimise the significant commercial opportunities that exist in the current buoyant helium market¹². The Alliance is structured to explore mutually commercially advantageous revenue sharing arrangement on such key items as:

- Optimize and prioritize near-term exposure to the burgeoning helium market
- Red Helium Project to be a potential priority supplier to re-start the Paradox liquefier capable of producing high purity 99.9995% helium ("5 ½ Nines") which attracts premium pricing, currently over US\$2,000/mcf
- Collaborative downstream marketing targeting end users of high-purity helium such as semi-conductor manufacturers and the space industry
- Expansion of the terms of the recently executed Offtake agreement to include discoveries after Jesse#1A
- Progress identified CO₂ disposal options with revenue generating potential:
 - i) Expansion of existing carbon sequestration activities at Paradox's Lisbon Plant to include CO₂ from the Red Helium Project - potentially revenue-generating under Section 45Q of the US Tax Code; and
 - ii) Joint investigation into utilization of Red Helium Project CO₂ for enhanced oil recovery (flooding) from Paradox's Lisbon Oil Field
- Potential synergistic commercial benefits in assessing corporate opportunities that involve both Paradox assets and the Red Helium Project

¹² ASX Announcement 11 April 2022 – Strategic Alliance with Helium Offtake Partner



 $^{^{10}}$ ASX Announcement 16 March 2022 – Helium Offtake Agreement Secured

¹¹ ASX Announcement 9 Jan 2023 – Helium Offtake Agreement Secured for Jesse-2



Maiden Prospective Helium Resource

On 8 December 2021 the Company announced that Sproule had completed the maiden Prospective Resource Report for the Red Helium Project located in the Paradox Basin, Utah USA.

Sproule has confirmed a P50 10.9 billion cubic feet (BCF) Prospective Resource over gross leased acreage and P50 of 7.4 BCF on a net acre basis to Valence. The Sproule Prospective Resource calculation is based on the current acres held by incorporated joint venture company at 8 December 2021.

The Company plans a resource update based on the data gained from Jesse-1A and future wells.

Valence Prospective Resources¹³

Recoverable Helium	1U (P90) (BCF)	2U (P50) (BCF)	3U (P10) (BCF)
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 net 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.

GGE now has a 70% interest in Valence with a right to secure a further 15% interest (total of 85%) on the following terms:

Earning 85% of Valence Resources	Max Commitment Spend	Cumulative Interest
Current Working Interest		70%
Drilling second well	US\$1.5M	77.5%
Drilling third well	US\$1.5M	85%

¹³ Sproule as announced on ASX on 8 December 2021. 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.

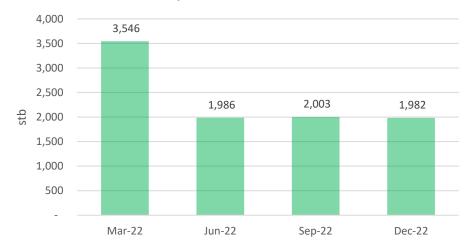




PRODUCTION SUMMARY

Total Grand Gulf Working Interest Quarterly Oil Production¹⁴

	Mar '22	Jun '22	S	ep '22	D	ec '22
Oil (bbls)	3,546	1,986	2	003	1	982
			Quarterly Bo		Daily Bo	
	Working Interest (WI)	Parish	Gross	GGE WI	Gross	GGE WI
Desiree Field	39.65%	Assumption	4941	1982	54	22



Quarterly GGE WI Oil Production

Desiree Field

Desiree, Assumption Parish, Louisiana, Non-Operator 39.65% Working Interest

The Hensarling #1 well (Desiree Field) produced a total for the quarter of 4941 barrels of oil. The well produced at an average of 55 bo/d in the current quarter. The well returned to similar levels of production following a minor work-over on the salt-water disposal well in September. As at 31 June 2022, the 3P reserves attributed to the Cris RII and RIII sands ~123,000 bbls net to GGE¹⁵.

Reserves and Resources as of 30) June 2022									
Net to Grand Gulf Energy Ltd										
07			PROVED(1P)	PROVE	D + PROBAE	BLE (2P)	PROVED, PR	ROBABLE, P	OSSIBLE (3P)
FILED (LICENCE)	NET REV		GAS MMCF	OIL EQUIV ⁽¹⁾ MBOE		GAS MMCF	OIL EQUIV ⁽¹⁾ MBOE		GAS MMCF	OIL EQUIV ⁽¹ MBOE
Reserves										
USA										
Desiree	30.96%	42	-	42	107	-	107	123	-	123
Total Reserves		42	-	42	107	-	107	123	-	123
CONTINGENT RESOURCES			1C			2C			3C	
Reserves										
USA										
Desiree	30.96%	-	-	-	-	-	-	-	-	-
Total Contingent Resources		-	-	-	-	-	-	-	-	-
Total Reserves and Resources		42	-	42	107	-	107	123	-	123
⁽¹⁾ Oil equivalent conversion fa	actor: 6MSCF	per BBL.								
Competent Persons Statement										
The information contained in these	e statements	has been compi	led by Kevin	James Kenning, R	legistered P.E. S	tate of Texas	#77656,			

¹⁴ Grand Gulf is entitled to its Working Interest (WI) share after royalty payment to the oil and gas mineral rights owners. Historical production corrected for updated WI calculation.

¹⁵ Reserves calculated on a Net Revenue Interest (NRI) Basis

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DJ Basin, Colorado, USA (66% WI)

The Company has \sim 66% working interests in 355 net acres in Weld County. Whilst progess in the quarter was limited, the asset is currently under review and the Company continues to look at ways to unlock the sale of its interest in the DJ Basin, buoyed by the current high oil price environment.

BUSINESS DEVELOPMENT

The Company is actively reviewing and assessing potential strategic helium acquisitions with synergies to the Red Helium project.

CORPORATE

There were no changes to Board and Management in the December 2022 Quarter.

RELATED PARTY PAYMENTS

During the quarter ended 31 December 2022, the Company made payments of \$131,000 to related parties and their associates. These payments are directors fees and are in accordance with existing remuneration agreements with Directors.





LEASE SCHEDULE

The Company provides the following Schedule of lease interest held for the quarter as at 30 December 2022 as required by ASX Listing Rule 5.3.

Project	Location	Lease	Interest at Beginning of the Quarter	Interest at the end of the Quarter
Desiree/Louise	Assumption Parish, Louisiana	CL-0130	39.6/22.0%	39.6/22.0%
Desiree	Assumption Parish, Louisiana	12S14E52-031A (CI-0131)	39.6%	39.6%
Desiree	Assumption Parish, Louisiana	12S14E52-031B (CL-0131)	39.6%	39.6%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-001	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-003	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-005	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-006	39.6/22.0%	39.6/22.0%
Desiree	Assumption Parish, Louisiana	12S14E52-008	39.6%	39.6%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-009	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-011	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-013	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-014	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-015	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-016	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-019	39.6/22.0%	39.6/22.0%
Desiree	Assumption Parish, Louisiana	12S14E52-020	39.6%	39.6%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-022A	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-022B	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-012	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-002	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-018	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-021A	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-021B	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-024	39.6/22.0%	39.6/22.0%
Louise	Assumption Parish, Louisiana	12S14E52-025	39.6%	39.6%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-026	39.6/22.0%	39.6/22.0%
Louise	Assumption Parish, Louisiana	12S14E52-028	22.0%	22.0%
Louise	Assumption Parish, Louisiana	12S14E53-001	22.0%	22.0%
Louise	Assumption Parish, Louisiana	12S14E53-002A	22.0%	22.0%
Louise	Assumption Parish, Louisiana	12S14E53-002B	22.0%	22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-002C	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-002D	39.6/22.0%	39.6/22.0%
Desiree/Louise	Assumption Parish, Louisiana	12S14E52-002E	39.6/22.0%	39.6/22.0%
Louise	Assumption Parish, Louisiana	12S14E53-003	22.0%	22.0%
Louise	Assumption Parish, Louisiana	12S14E53-004	22.0%	22.0%
Louise	Assumption Parish, Louisiana	12S14E53-005	22.0%	22.0%
Louise	Assumption Parish, Louisiana	12S14E53-006	22.0%	22.0%
Louise	Assumption Parish, Louisiana	12S14E53-007	22.0%	22.0%
Desiree	Assumption Parish, Louisiana	12S14E52-032 (CL-0068 & 0106)	39.6%	39.6%
Louise	Assumption Parish, Louisiana	12S14E52-029	22.0%	22.0%
Louise	Assumption Parish, Louisiana	12S14E52-030	22.0%	22.0%
DJ Basin	Weld County, Colorado	Lease A	52.2%	52.2%
DJ Basin	Weld County, Colorado	Lease B	52.2%	52.2%
DJ Basin	Weld County, Colorado	Lease C	52.2%	52.2%





Red Helium Project	San Juan County, Utah	1000	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1001	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1002	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1003	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1004	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1005	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1006	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1007	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1008	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1009	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1010	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1011	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1012	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1013	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1014	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1015	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1016	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1017	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1018	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1019	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1020	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1021	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1022	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1022	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1024	55.00%	55.00%
	•	1025	55.00%	55.00%
Red Helium Project	San Juan County, Utah San Juan County, Utah	1026	55.00%	55.00%
Red Helium Project	•	1027		
Red Helium Project	San Juan County, Utah		55.00% 55.00%	55.00%
Red Helium Project	San Juan County, Utah	1028		55.00%
Red Helium Project	San Juan County, Utah	1029	55.00% 55.00%	55.00%
Red Helium Project	San Juan County, Utah	1030		55.00%
Red Helium Project	San Juan County, Utah	1031	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1032	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1033	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1034	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1035	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1036	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1037	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1038	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1039	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1040	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1041	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1042	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1043	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1044	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1045	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1046	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1047	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1048	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1049	55.00%	55.00%





Red Helium Project	San Juan County, Utah	1050	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1051	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1052	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1053	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1054	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1055	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1056	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1057	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1058	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1059	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1060	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1061	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54121 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54122 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54123 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54124 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54125 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54126 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54127 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54128 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54129 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54130 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54131 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54132 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54133 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54134 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54135 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54136 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54137 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54138 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54139 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54140 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54141 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54142 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54143 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	ML 54144 OBA	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1062	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1063	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1064	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1065	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1066	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1067	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1068	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1069	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1070	55.00%	55.00%
-				
Red Helium Project	San Juan County, Utah	1071	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1072	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1073	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1074	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1075	55.00%	55.00%





Red Helium Project	San Juan County, Utah	1076	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1077	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1078	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1079	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1080	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1081	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1082	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1083	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1084	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1085	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1086	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1087	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1088	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1089	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1090	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1091	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1092	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1093	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1094	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1095	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1096	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1097	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1098	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1099	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1100	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1101	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1102	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1103	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1104	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1105	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1106	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1107	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1108	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1109	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1110	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1111	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1112	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1113	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1114	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1115	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1116	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1117	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1118	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1119	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1120	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1121	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1122	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1123	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1124	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1125	55.00%	55.00%
	can suan oounty, otun	1120	00.0070	00.0070





Red Helium Project	San Juan County, Utah	1126	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1127	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1128	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1129	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1130	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1131	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1132	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1133	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1134	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1135	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1136	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1137	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1138	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1139	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1140	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1141	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1144	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1145	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1147	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1148	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1149	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1150	55.00%	55.00%
Red Helium Project	San Juan County, Utah	1151	55.00%	55.00%





Forward Looking Statements

This report contains forward looking statements that are subject to risk factors associated with resources businesses. It is believed that the expectations reflected in these statements are reasonable but they may be affected by a variety of variables and changes in underlying assumptions which could cause actual results or trends to differ materially, including but not limited to: price fluctuations, actual demand, currency fluctuations, drilling and production results, reserve estimates, loss of market, industry competition, environmental risks, physical risks, legislative, fiscal and regulatory developments, economic and financial market conditions in various countries and regions, political risks, project delay or advancement, approvals and cost estimates.

Competent Persons Statement

The oil & gas information in this report has been reviewed and signed off by Kevin Kenning (Registered Reservoir Engineer, Registered P.E. State of Texas #77656) with over 38 years relevant experience within oil and gas sector, who is a consultant of the Company, is qualified in accordance with ASX listing rule 5.11 and has consented to the publication of this report.

The helium information in this report is based on information compiled or reviewed by Sproule Energy Consulting ("Sproule") and Mr Keith Martens. Sproule is an independent resources and reserves certification specialist and is considered the world's leading helium evaluator. 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.

Oil and Gas Glossary

Abbreviation	Abbreviation meaning	Abbreviation	Abbreviation meaning
1P	proved reserves	A\$ or AUD	Australian dollars
2P	proved plus Probable reserves	US\$ or USD	United states dollars
3P	proved plus Probable plus Possible reserves	Q1	first quarter ended September 30th
bbl or bbls	barrel of oil	Q2	second quarter ended December 31st
boe	barrel of oil equivalent (1 bbl = 6 Mcf)	Q3	third quarter ended March 31st
d	suffix – per day	Q4	fourth quarter ended June 30th
GJ	gigajoules	YTD	year-to-date
mbbl	thousands of barrels	YE	year-end
mboe	thousands of barrels of oil equivalent	H1	six months ended June 30th
Mcf	thousand cubic feet	H2	six months ended December 31st
MMcf	million cubic feet	В	Prefix – Billions
PDP	proved developed producing reserves	MM	Prefix - Millions
PUD	Proved Undeveloped Producing	М	Prefix - Thousands
C	Contingent Resources – 1C/2C/3C – low/most likely/high	/d	Suffix – per day
Net	Working Interest after Deduction of Royalty Interests	bbl	Barrel of Oil
NPV (10)	Net Present Value (discount rate), before income tax	boe	Barrel of Oil Equivalent (1bbl = 6 mscf)
EUR	Estimated Ultimate Recovery per well	scf	Standard Cubic Foot of Gas
WTI	West Texas Intermediate Oil Benchmark Price	Bcf	Billion Standard Cubic Foot of Gas
LLS	Louisiana Light Oil Benchmark Price	CY	Calendar Year
1P or TP	Total Proved	OCF	Operating Cash Flow, ex Capex
2P or TPP	Total Proved plus Probable Reserves	E	Estimate
3P	Total Proved plus Probable plus Possible Reserves	Net Acres	Working Interest
EBITDA	Earnings before interest, tax, depreciation, depletion and		
	amortisation		



Appendix 5B

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity				
GRAND GULF ENERGY LTD				
ABN	Quarter ended ("current quarter")			
22 073 653 175	31 December 2022			

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (6 months) \$A'000
1.	Cash flows from operating activities		
1.1	Receipts from customers	290	519
1.2	Payments for		
	(a) exploration & evaluation	(1,624)	(2,511)
	(b) development	-	-
	(c) production	(260)	(282)
	(d) staff costs	(82)	(163)
	(e) administration and corporate costs	(396)	(569)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	-	-
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other (provide details if material)	-	-
1.9	Net cash from / (used in) operating activities	(2,072)	(3,006)

2.	Cas	sh flows from investing activities	
2.1	Pay	ments to acquire or for:	
	(a)	entities	-
	(b)	tenements	-
	(c)	property, plant and equipment	-
	(d)	exploration & evaluation	-
	(e)	investments	-
	(f)	other non-current assets	-

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (6 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	
	(b) tenements	-	
	(c) property, plant and equipment	-	
	(d) investments	-	
	(e) other non-current assets	-	
2.3	Cash flows from loans to other entities	-	
2.4	Dividends received (see note 3)	-	
2.5	Other (provide details if material)	-	
2.6	Net cash from / (used in) investing activities	-	

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	-
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	-
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
3.10	Net cash from / (used in) financing activities	-	-

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	7,113	7,917
1,	Net cash from / (used in) operating activities (item 1.9 above)	(2,072)	(3,006)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	-	-
4.4	Net cash from / (used in) financing activities (item 3.10 above)		-

ASX Listing Rules Appendix 5B (17/07/20)Page 18 + See chapter 19 of the ASX Listing Rules for defined terms.

solidated statement of cash flows	Current quarter \$A'000	Year to date (6 months) \$A'000
Effect of movement in exchange rates on cash held	(48)	82
Cash and cash equivalents at end of period	4,993	4,993
	Effect of movement in exchange rates on cash held Cash and cash equivalents at end of	Effect of movement in exchange rates on cash held(48)Cash and cash equivalents at end of4,993

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	4,993	7,113
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	4,993	7,113

6.	Payments to related parties of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	131
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
	f any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a c ation for, such payments.	lescription of, and an

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

	Financing facilities Note: the term "facility' includes all forms of financing arrangements available to the entity. Add notes as necessary for an understanding of the sources of finance available to the entity.	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	Total financing facilities	-	
7.5	Unused financing facilities available at qu	arter end	-
7.6	Include in the box below a description of eac rate, maturity date and whether it is secured facilities have been entered into or are propo- include a note providing details of those facil	or unsecured. If any add	tional financing

8.	Estima	ated cash available for future operating activities	\$A'000
8.1	Net ca	sh from / (used in) operating activities (item 1.9)	(2,072)
8.2		ents for exploration & evaluation classified as investing es) (item 2.1(d))	-
8.3	Total r	elevant outgoings (item 8.1 + item 8.2)	(2,072)
8.4	Cash and cash equivalents at quarter end (item 4.6)		4,993
8.5	Unuse	d finance facilities available at quarter end (item 7.5)	-
8.6	Total a	vailable funding (item 8.4 + item 8.5)	4,993
8.7	Estima item 8	ated quarters of funding available (item 8.6 divided by	2.4
	Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.		
8.8	Otherwis		em 8.7.
8.8	Otherwis	se, a figure for the estimated quarters of funding available must be included in it	em 8.7. ing questions:
8.8	Otherwis If item	se, a figure for the estimated quarters of funding available must be included in its 8.7 is less than 2 quarters, please provide answers to the follow Does the entity expect that it will continue to have the current le cash flows for the time being and, if not, why not?	em 8.7. ing questions:
8.8	Otherwis If item 8.8.1	se, a figure for the estimated quarters of funding available must be included in its 8.7 is less than 2 quarters, please provide answers to the follow Does the entity expect that it will continue to have the current le cash flows for the time being and, if not, why not?	em 8.7. ring questions: evel of net operating steps, to raise further
8.8	Otherwis If item 8.8.1 Answe	se, a figure for the estimated quarters of funding available must be included in its 8.7 is less than 2 quarters, please provide answers to the follow Does the entity expect that it will continue to have the current le cash flows for the time being and, if not, why not? r: n/a Has the entity taken any steps, or does it propose to take any s cash to fund its operations and, if so, what are those steps and believe that they will be successful?	em 8.7. ring questions: evel of net operating steps, to raise further
8.8	Otherwis If item 8.8.1 Answe 8.8.2	se, a figure for the estimated quarters of funding available must be included in its 8.7 is less than 2 quarters, please provide answers to the follow Does the entity expect that it will continue to have the current le cash flows for the time being and, if not, why not? r: n/a Has the entity taken any steps, or does it propose to take any s cash to fund its operations and, if so, what are those steps and believe that they will be successful?	em 8.7. ring questions: evel of net operating steps, to raise further d how likely does it
8.8	Otherwis If item 8.8.1 Answe 8.8.2 Answe	se, a figure for the estimated quarters of funding available must be included in its 8.7 is less than 2 quarters, please provide answers to the follow Does the entity expect that it will continue to have the current le cash flows for the time being and, if not, why not? r: n/a Has the entity taken any steps, or does it propose to take any s cash to fund its operations and, if so, what are those steps and believe that they will be successful? r: n/a Does the entity expect to be able to continue its operations and objectives and, if so, on what basis?	em 8.7. ring questions: evel of net operating steps, to raise further d how likely does it

Compliance statement

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Date: 31 January 2023

Authorised by:By the board of directors.

Notes

- 1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
- 2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, AASB 6: Exploration for and Evaluation of Mineral Resources and AASB 107: Statement of Cash Flows apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
- 3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
- 4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".

5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.