



14 April 2025

Application for Strategic Oil and Gas Block Offshore Namibia

Positioning the Company in One of the World's Most Exciting Exploration Frontiers

Highlights:

- **Option Agreement executed to take a 70% working interest** in Block 2312 offshore Namibia – **consideration payable only upon grant**
- **Offshore Namibia** has emerged as a global oil exploration hotspot, with **over 11 billion barrels** discovered to date in recent high-profile discoveries¹
- **Global super-majors active** in the region include Shell, Chevron, TotalEnergies, and GALP — **seven offshore wells scheduled for drilling in 2025**²
- Block 2312 is **south of Chevron-operated PEL 82 (awarded Feb 2025)** and spans approx **16,800km²** in water depths of 1,400m to 2,000m – well within the capability of modern drill-ships
- The block includes **6,100km² of 3D seismic** and **4,700 line km of 2D seismic**
- The previous operator of Block 2312 reported a **mean prospective resource of 1.1 billion barrels of oil**[#]
- **Havoc Services**, led by oil and gas veteran **Dr Alan Stein**, engaged as technical advisor — track record includes discovering over **2 billion barrels of oil equivalent** and more than **US\$1 billion in capital raised**
- Havoc's subsidiary, **Harmattan Energy**, previously operated Namibia's **PEL 90**, which was sold to Chevron in 2022

#Cautionary Statement: The estimated quantities of oil that may potentially be recovered by the application of a future development project(s) relate to undiscovered accumulations. These estimates have both a risk of discovery and a risk of development. Further exploration, appraisal and evaluation is required to determine the existence of a significant quantity of potentially recoverable hydrocarbons.

¹ [https://www.reuters.com/article/business/energy/namibias-offshore-oil-discoveries-estimated-at-11-bln-barrels-namcor-idUSL8N3A41HS/#:~:text=CAPE%20TOWN%2C%20Aug%2023%20\(Reuters,a%20presentation%20of%20preliminary%20data](https://www.reuters.com/article/business/energy/namibias-offshore-oil-discoveries-estimated-at-11-bln-barrels-namcor-idUSL8N3A41HS/#:~:text=CAPE%20TOWN%2C%20Aug%2023%20(Reuters,a%20presentation%20of%20preliminary%20data)

² **Maggy Shino**, Namibia's Petroleum Commissioner, disclosed plans to drill seven wells in 2015 during a webinar hosted by African Energy Chamber and Wood Mackenzie on March 20, 2025



Strategic Entry into Offshore Namibia

Grand Gulf Energy Limited (**Grand Gulf** or the **Company**) is pleased to announce that it has entered into a binding Option Agreement (**Agreement**), providing Grand Gulf with an exclusive option to acquire 100% of Wrangel Pty Ltd (**Wrangel**).

Wrangel is an applicant for a 70% working interest (**WI**) in a Petroleum Exploration Licence (**PEL**) over Block 2312 in the Walvis Basin, offshore Namibia (Figure 1). The application is in partnership with Namibian-based oil and gas company TSE Oil and Gas (Pty) Ltd (**TSE**) (20% WI) and the state-owned National Petroleum Corporation of Namibia (**NAMCOR**) (10% WI).

Under the terms of the agreement, consideration is only payable upon the successful granting of the PEL, offering Grand Gulf a low-cost entry into one of the world's most prospective frontier basins.

Offshore Namibia has seen a series of recent significant oil discoveries resulting in over 11 billion barrels of oil discovered to date with global oil and gas super-majors such as Shell, Chevron, TotalEnergies and GALP all active in the area, with 7 wells scheduled to be drilled in calendar 2025.

The groundbreaking Graff-1 oil well drilled offshore Namibia by Shell in 2022 catapulted Namibia to the forefront of global oil exploration.

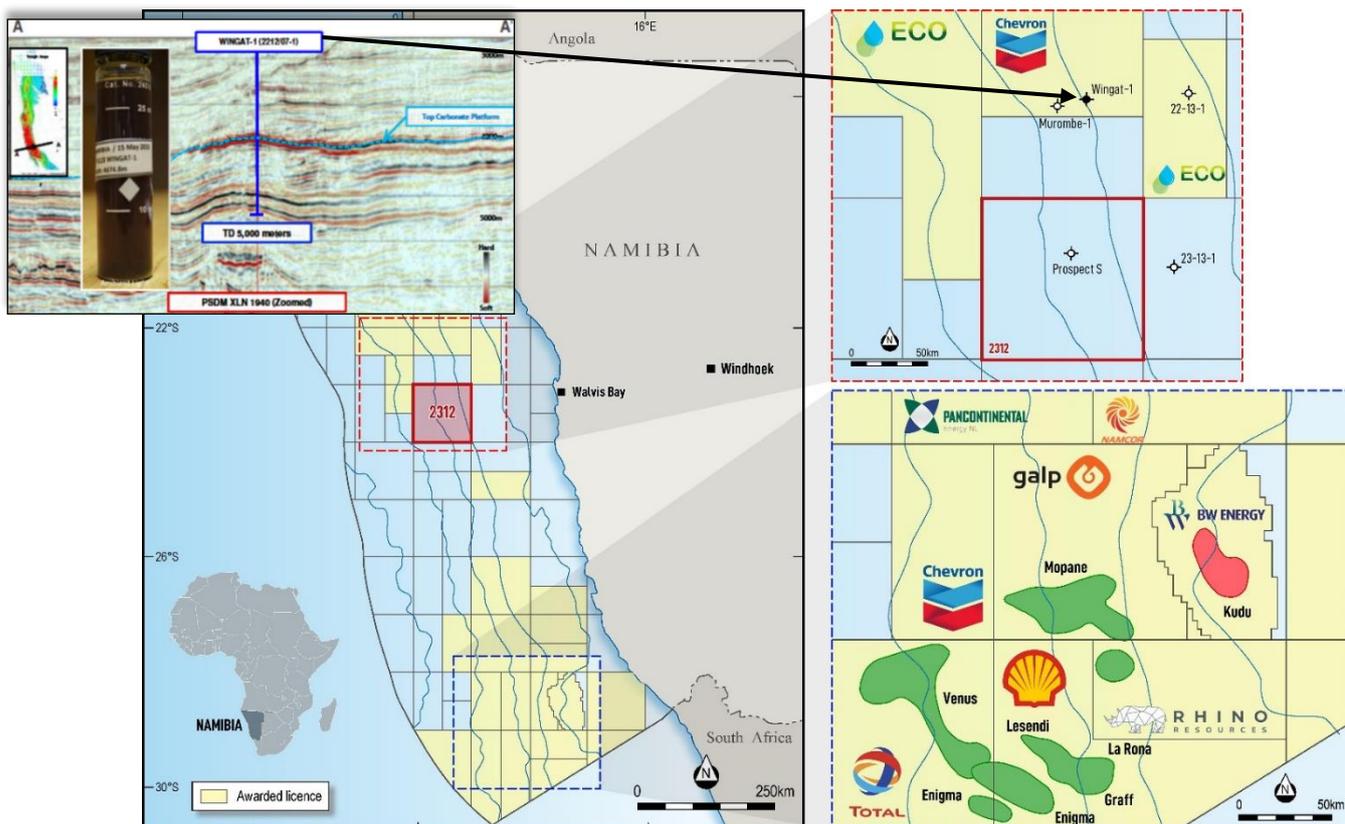


Figure 1 – Block 2312 is located in the Walvis Basin offshore Namibia. The Walvis Basin and the Orange Basin to the south have access to the same Aptian/Albian and Cenomanian/Turonian source rocks

Shortly after the Graff discovery, TotalEnergies reported an even larger multi-billion barrel discovery with their Venus-1 well and GALP followed in 2023 with the Mopane-1X oil and condensate discovery. All these discoveries have now been appraised and tested.



By early 2025, after drilling 17 exploration wells and 6 appraisal wells, the overall success rate in the Orange Basin since 2022, is greater than 80%³.

Grand Gulf's entry into Block 2312 offers material exposure to this emerging petroleum province.

Block 2312 – Offshore Namibia

In 2016, previous operator AIM-listed Chariot Limited, completed a 3D seismic survey covering approx 2,600km², targeting leads identified from approximately 1,700km of 2D seismic data acquired in 2015. This modern dataset was processed alongside 3,500km² of legacy 3D seismic data, using depth migration and inversion techniques calibrated to the nearby Wingat-1 and Murombe-1 wells.

The integrated 6,100km² 3D seismic dataset enabled Chariot to map multiple dip-closed structural prospects, targeting Upper Cretaceous deepwater turbidite reservoirs — the same high-quality reservoir intervals encountered in the Murombe-1 well. These prospects are interpreted to have received hydrocarbon charge from Aptian-aged marine source rocks, which have been confirmed as excellent quality in both Wingat-1 and Murombe-1.

Wingat-1, drilled by HRT Participações em Petróleo S.A. in 2013, identified two well-developed source rocks (rich in organic carbon within the oil-generating window) and several thin-bedded-sandy reservoirs saturated with oil (see Figure 1). Oil samples indicated the presence of light oil (38 to 42 API), with minimal contamination. No water-bearing zones were identified in the drilled section.

An independent audit by Netherland Sewell and Associates Inc. (NSAI) — a globally recognised authority in petroleum resource evaluation — estimated the gross mean prospective resources associated with these prospects, as of 5 June 2017, for Chariot Limited⁴.

Prospect	Interest	Unrisked Prospective Oil Resource (MMBBLs)				Probability of Geologic Success (Pg) ⁺
		Low Estimate 1U	Best Estimate 2U	High Estimate 3U	Mean	
B	Gross (100%)	203	450	818	469	22%
	Net (70%)	142	315	573	328	
V	Gross (100%)	86	302	716	339	24%
	Net (70%)	60	211	501	237	
W	Gross (100%)	75	252	601	284	25%
	Net (70%)	53	176	421	199	
TOTAL MEAN PROSPECTIVE OIL RESOURCE (70% GROSS)					764*	
TOTAL MEAN PROSPECTIVE OIL RESOURCE (100% GROSS)					1,092*	

Table 1 – NSAI prospective oil resource estimate[#] based on 3D seismic data for prospects B, V and W as of 5 June 2017; Chariot Limited release dated 5 July 2017 and April 2020 Presentation

³ Sintana Energy, Corporate Presentation, March 2025

⁴ Chariot Limited AIM Release of 5 June 2017 'Update on Namibian Blocks 2312 & 2412A' and April 2020 Presentation

* Probability of geologic success as calculated by NSAI. The calculation pre-dates, and therefore does not incorporate, the recent significant oil and gas discoveries offshore Namibia

* Calculated by arithmetic summation of mean unrisks prospective oil resources for prospects B, V and W

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Block 2312 covers an area of 16,800km² in water depths ranging from 1,400m to 2,000m and lies to the south of the Murombe-1 and Wingat-1 wells, which were instrumental in establishing the prospectivity of offshore Namibia. There is a total of approximately 6,100 km² of 3D seismic in the north of the block and 4,700 line kilometres of 2D seismic with an average line spacing of 8-10km.

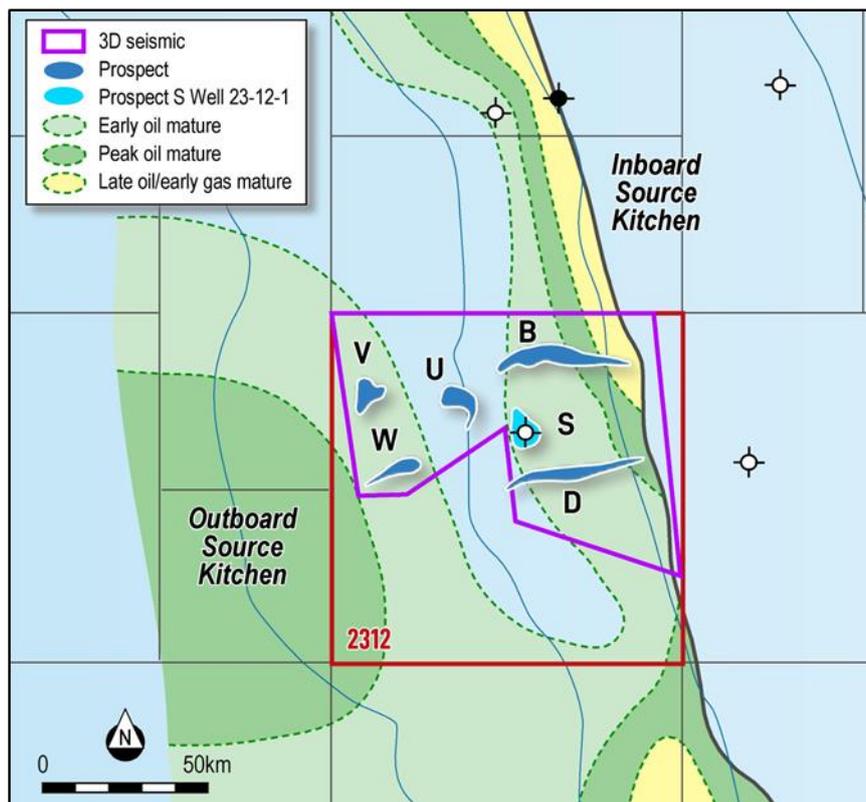


Figure 2 – Established oil prospects on maturity map of Aptian source rock. Indicates the potential charge of Block 2312 prospects from inboard oil kitchen and outboard oil kitchen sources

The only well drilled in Block 2312 tested Prospect S, encountering high-quality reservoirs with clear seismic signatures (Figure 3). The well, drilled in 2018 at a cost of only US\$16 million, is located on the edge of an area of mature Aptian source rocks, however the dominant hydrocarbon migration direction has been established as northeasterly (where maturity will likely improve) suggesting the absence of a migration pathway from the source rock to the reservoir at Prospect S.

Data collected from the Prospect S well has significantly upgraded exploration targets to the northeast, such as Prospect B, along with targets which have access to the outboard oil kitchen such as Prospects W and V.

Grand Gulf has undertaken a comprehensive technical review of all available data which has confirmed the prospectivity of Block 2312. Technical work going forward will include a focused re-evaluation of the seismic characteristics of the Prospect S reservoir and nearby features, aimed at assessing the ability of seismic attributes to reliably predict hydrocarbon presence across the block's most prospective targets.

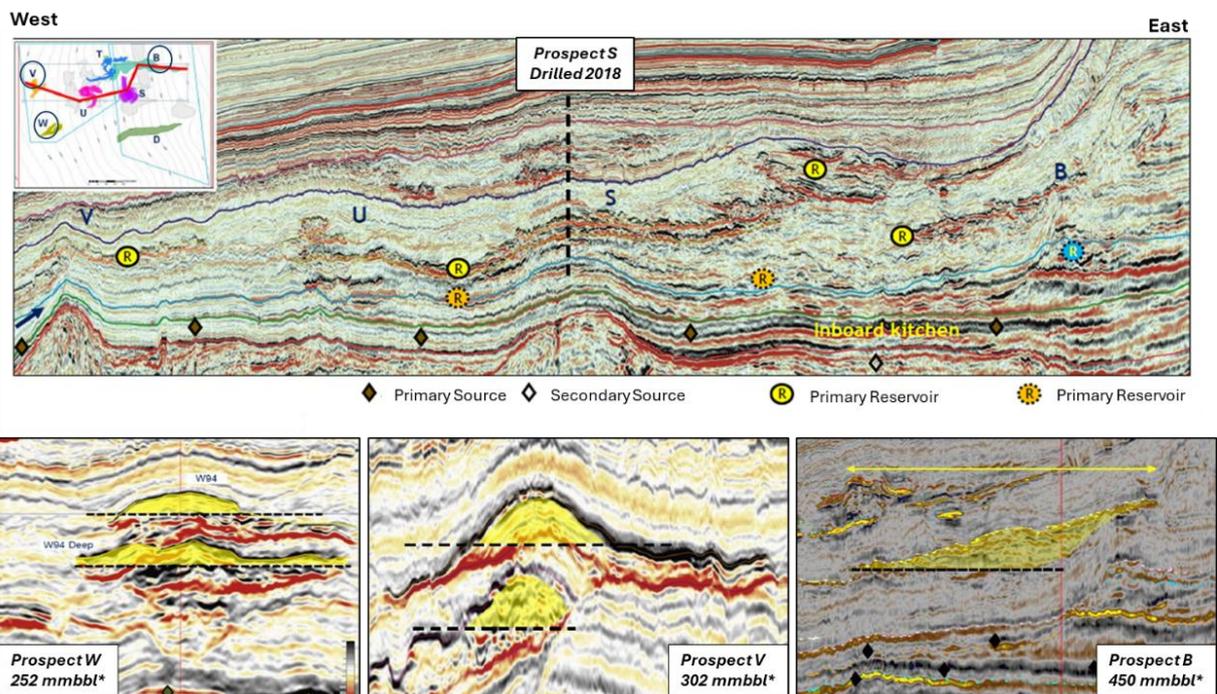


Figure 3 – Seismic traverse and individual prospect detail from Block 2312 (Chariot Limited, April 2020 Presentation)

Appointment of Havoc Services as Technical Advisors

Grand Gulf has appointed Havoc Services Pty Ltd (**Havoc**), a subsidiary of Havoc Partners LLP, as its corporate and technical advisor to assist in the assessment of the Block 2312 opportunity. Havoc will also support the Company in the identification and evaluation of additional frontier basin opportunities globally.

Founded in 2014, Havoc is a natural resources investment group established by a team of highly experienced geoscientists who have worked together for over two decades and bring a collective 100+ years of international upstream experience. The Havoc team has been instrumental in discovering over 2 billion barrels of oil equivalent (boe) and raising more than US\$1 billion in investment capital through leadership roles in ventures such as Fusion Oil & Gas plc, Ophir Energy plc, and Harmattan Energy Limited.

Most recently, Havoc's wholly owned subsidiary Harmattan Energy was the operator of PEL 90 in Namibia's Orange Basin, located adjacent to recent world-class discoveries by Shell and TotalEnergies. Harmattan was successfully sold to Chevron in late 2022.



The Perth-based Havoc team assisting with the Block 2312 evaluation includes Dr Alan Stein, Dr Richard Higgins, and Mr Mark Sofield. Dr Stein will lead the Havoc team and serve as Senior Advisor to the Grand Gulf Board. With over 30 years of international oil and gas experience, Dr Stein brings extensive technical and corporate expertise.

Dr Stein was a founding partner of the geoscience consultancy IKODA Limited and served as the founding Managing Director of Fusion Oil & Gas plc and Ophir Energy plc. Fusion, listed on the AIM in 2000, made multiple discoveries offshore Mauritania before its sale in 2003. In 2004, Dr Stein co-founded Ophir Energy plc, which was later listed on the London Stock Exchange in 2011 with a valuation exceeding £1 billion, marking the largest E&P IPO in LSE history at the time. Under Dr Stein's leadership, Ophir made significant offshore gas discoveries in Equatorial Guinea and Tanzania, totalling more than 18 trillion cubic feet (Tcf) of natural gas.

Ophir's exploration success was underpinned by the work of Mr Mark Sofield, Exploration Manager – West Africa, and Dr Richard Higgins, Exploration Manager – East Africa.

As technical advisors, Havoc will coordinate and guide geoscientific activities, support the Company's internal technical team, provide input into proposed exploration work programs, and assist in preparing marketing and investor materials to help advance the Company's strategic growth and funding initiatives.

Transaction Terms

Grand Gulf has entered into an Option Agreement to acquire 100% of Wrangel. Wrangel is an applicant for a 70% working interest (**WI**) in a Petroleum Exploration Licence (**PEL**) over Block 2312 in the Walvis Basin, offshore Namibia in partnership with Namibian-based oil and gas company TSE Oil and Gas (Pty) Ltd (20% WI) (TSE) and the state-owned National Petroleum Corporation of Namibia (**NAMCOR**) (10% WI).

Wrangel has executed a binding Term Sheet with TSE, which grants Wrangel a 70% interest in the PEL — subject to the successful grant of the PEL — through the payment of agreed fees and reimbursement of certain past costs (the **Project Option**).

The Namibian Ministry of Mines and Energy (**MME**) has confirmed the receipt and registration of the Wrangel PEL application. Grand Gulf notes that the Wrangel PEL application is yet to be evaluated and there is no guarantee that the application will be successful.

Grand Gulf Option to Acquire Wrangel

The material terms of the Option Agreement are set out below:

- **Option:** GGE has an exclusive option to acquire 100% of Wrangel (**Wrangel Option**). Exercise of the Wrangel Option is conditional on the successful award of a PEL on Block 2312 and will expire on the earlier of:
 - 30 days after the successful award of a PEL on Block 2312; and
 - 11 April 2026.
- **Wrangel Option Fee:** The Company has agreed to pay the following by way of an option fee for the grant of the Wrangel Option:



- reimbursement of an option fee of US\$115,000 to TSE by Wrangel for the Project Option (paid); and
- US\$100,000 in cash or GGE shares (at GGE’s election) to TSE (or its nominee)*.
- On exercise of the Wrangel Option, the Company will own 100% of Wrangel and will be required to fund the exercise of the Project Option, should GGE elect for Wrangel to exercise the Project Option.
- **Wrangel Exercise Price:** On exercise of the Wrangel Option, the Company will pay the following consideration to Wrangel shareholders:
 - A\$150,000 in cash; and
 - 250,000,000 GGE shares**.

The Wrangel Option agreement otherwise contains terms and conditions which are considered customary, including representations and warranties.

The above payments under the Wrangel Option are summarised in the table below:

Payment	Status
US\$115,000	Option Fee - Paid
US\$100,000 in cash or fully paid shares in GGE shares* (at GGE’s election)	To be paid directly to TSE (or its nominees)
A\$150,000	To be paid post grant of PEL on exercise of the Wrangel Option (GGE discretion)
250 million fully paid shares in GGE**	To be paid post grant of PEL on exercise of the Wrangel Option (GGE discretion)

* Payable within 10 business days of this announcement. If payment is made in fully paid shares in GGE, the deemed issue price of the GGE shares will be equal to the 5-day volume weighted average price (VWAP) for GGE shares for the period following the date of this announcement, with 60% of the fully paid shares in GGE subject to one-year voluntary escrow. If payment is made in fully paid shares in GGE, the shares will be issued using the Company’s available placement capacity under Listing Rule 7.1.

** Subject to shareholder approval under Listing Rule 7.1, with an equivalent amount payable in cash should shareholders fail to approve the issue of these consideration shares, with the amount of the cash payment to be calculated using the 5-day VWAP for GGE shares for the period following the date of exercise of the Wrangel Option).

Wrangel option to participate at a 70% WI in granted PEL (Project Option)

The amounts payable on exercise of the Project Option are summarised in the table below:

Payment	Status
US\$325,000 ⁺	To be paid post grant of PEL on exercise of the Project Option (GGE discretion)



US\$200,000 in GGE Shares [#]	To be paid post grant of PEL on exercise of the Project Option (GGE discretion)
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[#] Subject to 6 months voluntary escrow. The deemed issue price of the GGE shares is to be determined using a 5-day VWAP for GGE shares the period prior to the exercise of the Project Option. Subject to shareholder approval under Listing Rule 7.1, to be sought at the same time as GGE seeks shareholder approval for the issue of the 250 million shares forming part of the consideration for the exercise of the Wrangel Option.

^{*} Less the Option Fee under the Project Option.

Upon exercise of the Project Option, approximately US\$175,000 will be payable directly to Namibian government agencies for Licence Fees (including the federal government’s Petroleum Training and Education Fund (PETROFUND)).

Also, following exercise of the Project Option, subject to entry into a consulting agreement on terms acceptable to the parties, TSE will be paid a monthly retainer of US\$7,500 per month, with a further day rate of US\$1,000 per day for any work done above 5 days in any given month (with prior approval from the Grand Gulf Board).

The initial term for the consultancy agreement will be 12 months, with an option to extend by mutual consent thereafter. The agreement will contain usual termination rights for the non-defaulting party in the event of a breach. After the initial 12 month term, either party will have the right to terminate without cause on one months’ notice.

Capital Raising

Grand Gulf has received firm commitments to raise \$700,000 through a placement of 350 million fully paid ordinary shares in Grand Gulf (**Placement Shares**) to professional and sophisticated investors at an issue price of \$0.002 per Placement Share (**Placement**).

The Placement was well supported by a number of existing investors.

Funds raised from the Placement will be utilised primarily to fund further evaluation of Block 2312 as well as the progression of the Company’s Red Helium Project, business development and general working capital.

The issue of the Placement Shares will not be subject to shareholder approval and will be made utilising the Company’s available placement capacity under ASX Listing Rule 7.1A (245,038,715 Placement Shares) and 7.1 (104,961,285 Placement Shares). The issue price of \$0.002 is above the 15 day VWAP of \$0.00186.

This ASX announcement has been authorised for release by the Board of Grand Gulf Energy Ltd.

For more information, contact:

Fergus Kiley
Director

E: info@grandgulfenergy.com



About Grand Gulf Energy:

Grand Gulf Energy Ltd (ASX: GGE) is an independent exploration and production company, headquartered in Australia, with operations and exploration in North America. For further information, please visit the Company's website at www.grandgulfeenergy.com

Cautionary Statement for Prospective Resource Estimates

With respect to the Prospective Resource estimates contained within this report, it should be noted that the estimated quantities of oil that may potentially be recovered by the future application of a development project relate to undiscovered accumulations. These estimates have an associated risk of discovery and risk of development. Further exploration and appraisal are required to determine the existence of a significant quantity of potentially moveable hydrocarbons.

Competent Person's Statement

The information in this report is based on information compiled or reviewed by Mr Keith Martens, Technical Director 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 the 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 outlined in such statements due to various factors, many of which are beyond the Company's 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 the Company, 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, the Company do not undertake any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.



Notes – Block 2312 Prospective Resources

1. The estimated quantities of Prospective Resources stated above that may potentially be recovered by the application of a future development project(s) relate to undiscovered accumulations. These estimates have both an associated risk of discovery and a risk of development. Further exploration appraisal and evaluation are required to determine the existence of a significant quantity of potentially moveable hydrocarbons.
2. The recoverable hydrocarbon volume estimates were prepared by NSAI and the previous operator Chariot Limited and have been prepared in accordance with the definitions and guidelines set forth in the Petroleum Resources Management System, 2007, approved by the Society of Petroleum Engineers.
3. The Prospective resource estimates have been estimated using 3D seismic survey data.
4. Prospective Resources are reported on a low, best, high and mean estimates in the most specific category that reflects a degree of uncertainty and have not been adjusted for risk.
5. The Best Estimates reported represent that there is a 50% probability that the actual resource volume will be more than the amounts reported. #Refer to the cautionary statement above.
6. The total mean unrisked Prospective Oil Resources were calculated by arithmetic summation of the mean unrisked Prospective Oil Resource of Prospects B, V and W.
7. The estimates for unrisked Prospective Resources have not been adjusted for both an associated chance of discovery and a chance of development.
8. The chance of development has not been estimated by the Company at this stage and will be subject to further studies to determine the likelihood of commerciality.
9. The evaluation date for the Prospective Resources stated within this document is 5 June 2017 and was calculated using a deterministic method. All Prospective Resources indicated within Table 1 are for a Gross 100% and potential Net 70% Grand Gulf interest in the PEL (subject to successful grant) and are net of government royalties as these are yet to be negotiated with NAMCOR.