

HIGHLIGHTS

Cooper/Eromanga Basins (ATP 2021 and PRL 211)

- 100% drilling success with all four wells cased for future production
- Vali-2 successfully appraised Patchawarra and Tirrawarra formations, with new gas pool discovery in Toolachee Formation
- Vali-3 successfully appraised Patchawarra gas (subsequent to period end), with gas shows in lower Nappamerri Group, Toolachee, and Epsilon formations, and Tirrawarra Sandstone, and oil shows in Jurassic and Triassic sediments, and Toolachee Formation
- Odin-1 new field gas discovery, with interpreted gas pay in Toolachee, Epsilon and Patchawarra formations
- ACCC grant final approval for joint marketing of Vali gas

Otway Basin (PRL 249 (ex PEL 155))

- Nangwarry Field extended production testing completed, with raw gas rate of 10.5-10.8 million MMscfd exceeding commercial requirements

SUBSEQUENT EVENTS

The Cooper Basin Vali-3 well has been cased for future production, with wireline logging confirming interpreted gas pay within the Patchawarra, consistent with pre-drill expectations. The Joint Venture now has three cased wells in the Vali Field available for future production.

An independent resource estimate confirmed a sizeable CO₂ sales gas resource for the Nangwarry Field in the onshore Otway Basin. Gross recoverable CO₂ sales gas best case of 25.9 Bcf (12.9 Bcf net)¹, with the Joint Venture appointing Vintage as marketing agent to commercialise the Nangwarry Field.

OPERATIONS

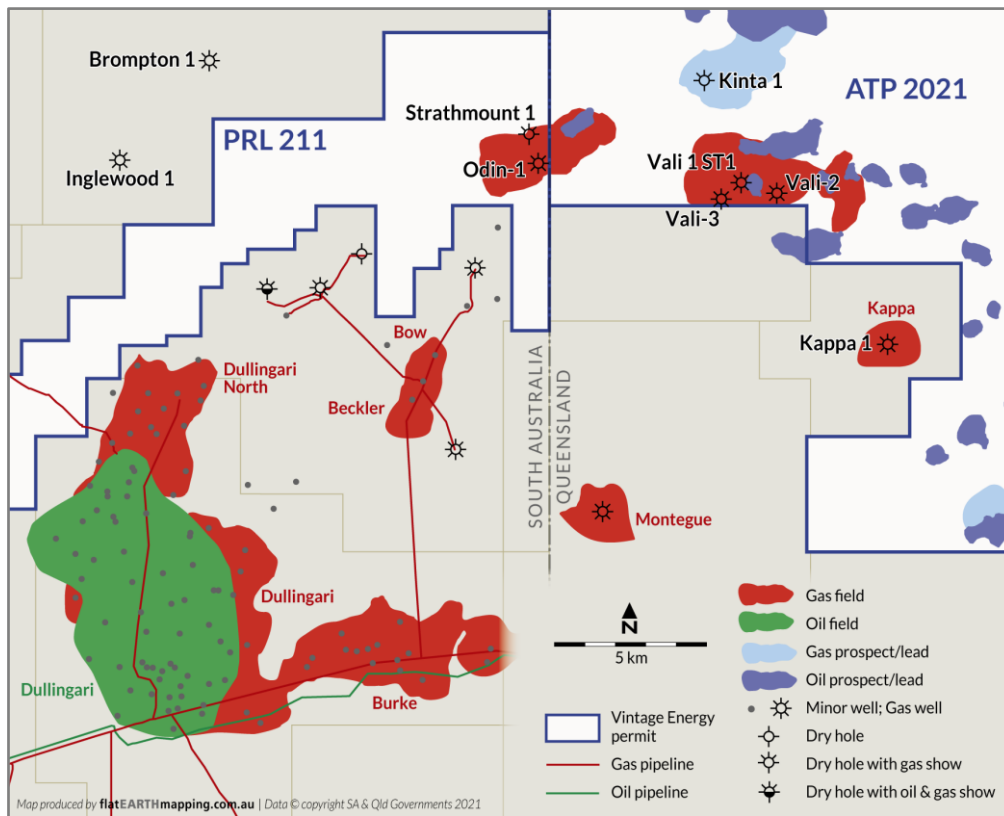
Cooper/Eromanga Basins, Queensland and South Australia

ATP 2021 (Vintage 50% and operatorship, Metgasco Ltd 25% and Bridgeport (Cooper Basin) Pty Ltd 25%)

Vali-2 was drilled to total depth of 3,240 metres, with no safety incidents, and cased for production. Wireline logging confirmed a new gas pool in the Toolachee Formation and confirmed gas in the Patchawarra Formation and Tirrawarra Sandstone, with a gas sample recovered via MDT from the Toolachee Formation.

Vali-2 has an interpreted 24 metres of stacked net gas pay in the Toolachee Formation (8% porosity cut off), which is distributed between three thick sandstone packages and five thinner ones. A gas gradient was established through MDT pressure measurements and a gas sample was recovered. Analysis of the sample indicates the Toolachee gas has a higher percentage of hydrocarbons at 82% (75% methane, 4% ethane, 3% other hydrocarbons) and 18% inert gases, compared with the Patchawarra gas in Vali-1 ST1, which has around 76% hydrocarbons and 24% inert gases. The wireline logging and MDT results indicate the Toolachee reservoir could flow without the need for fracture stimulation.

1. Sales gas stream for Nangwarry is CO₂ gas. These are unrisksed Contingent Resources that have not been risked for Chance of Development and are sub-classified as Development Unclassified.



The Patchawarra Formation is estimated to have 117 metres of conventional and low permeability net gas pay (6% porosity cut off) compared with 80 metres in Vali-1 ST1 (6% porosity cut off) distributed over 18 sandstone packages. The Tirrawarra Sandstone is interpreted to have nine metres of conventional and low permeability net gas pay (two metres in Vali-1 ST1). A 6% porosity cut off was used for both formations. Production of these zones will likely be optimised by fracture stimulation.

Vali-3 reached total depth at 3,186 metres on Monday, 28 June 2021 with no safety incidents. The main objective of Vali-3 was achieved following the intersection of the Patchawarra Formation in line with the pre-drill interpretation of the Vali structure.

During drilling, gas shows were observed in the lower Nappamerri Group, Toolachee, Epsilon and Patchawarra formations, and the Tirrawarra Sandstone. Samples collected from the Nappamerri Group and Toolachee Formation during the evaluation program are being analysed to determine whether gas pay can be interpreted in any of the sands in these zones.

Oil shows were observed through the late Cretaceous, Jurassic and Triassic sediments, as well as the uppermost Permian aged Toolachee Formation. Similar shows were encountered in both the Vali-1 ST1 and Vali-2 wells and are a major positive in terms of oil potential, with more than 12 oil leads identified in ATP 2021. Despite there being no mappable Jurassic structural closure around the three Vali wells, a particularly good oil show was observed within the McKinlay Member in Vali-3 and sampling recovered water, likely mud filtrate, with hydrocarbon odour and blue-white oil fluorescence. This suggests that oil has migrated through this area and increases the prospectivity of the Jurassic structural closures nearby.

The Joint Venture now has three cased wells (Vali-1 ST1, Vali-2 and Vali-3) in the Vali Field available for future production. The main objective of the Vali drilling program was to appraise the extent of the Patchawarra Formation gas discovery in Vali-1 ST, which was achieved along with the discovery of a new gas pool in the Toolachee Formation. The Joint Venture is now progressing plans for production from the successful Cooper Basins wells, with the ACCC granting final approval for the joint marketing of gas from the Vali Field during the period.

The ERC Equipoise Pte Ltd (“ERCE”) independently certified reserves for the Vali gas field (prior to the drilling of Vali-2 and Vali-3) are as follows:

	Gross ATP 2021 Vali Gas Field Patchawarra Formation (1 December 2020)		
	1P	2P	3P
Reserves (Bcf)	12.3	30.3	78.9
Reserves (PJ)	13.4	33.2	86.6

	Net ATP 2021 Vali Gas Field Patchawarra Formation (1 December 2020)		
	1P	2P	3P
Reserves (Bcf)	6.1	15.1	39.4
Reserves (PJ)	6.7	16.6	43.3

Notes

1. ERCE reserves estimates effective 1 December 2020.
2. The Reserves above may change based on data gathered from the drilling of Vali-2 and Vali-3, the analysis of which is not yet complete.
3. Reserves estimates have been made and classified in accordance with the Society of Petroleum Engineers (“SPE”) Petroleum Resources Management System (“PRMS”).
4. Net Reserves attributable to Vintage represent the fraction of Gross Reserves allocated to Vintage, based on its 50% interest in ATP 2021.
5. Allowance for Fuel and Flare has been made.
6. Conversion of Bcf to PJ has been estimated based on gas sampled and measured from Vali-1 ST1.
7. ERCE calculated Reserves presented in the tables are the totals for all 20 Patchawarra reservoir intervals.

[PRL 211 \(Vintage 42.5% and operator, Metgasco Ltd 21.25%, Bridgeport \(Cooper Basin\) Pty Ltd 21.25%, Impress Energy \(Cooper Basin\) Pty Ltd 15%\)](#)

The Odin-1 exploration well reached total depth at 3,140 metres on 26 May 2021, with extensive gas shows encountered in sandstones through the primary target Toolachee and Patchawarra formations, as well as a basal sand in the secondary target Epsilon Formation.

These shows were confirmed as gas pay via the wireline evaluation program and gas samples were recovered from the Toolachee and Epsilon formations. It is estimated that 172.5 metres of net gas pay exists within various sections of the well, which is made up of the following intervals:

- Toolachee Formation conventional pay: 37 metres (porosity greater than or equal to 8%)
- Epsilon Formation conventional pay: 4.5 metres (porosity greater than or equal to 8%)
- Patchawarra Formation conventional and low permeability pay: 126 metres (porosity greater than or equal to 6%)
- Tirrawarra Sandstone conventional and low permeability pay: 5 metres (porosity greater than or equal to 6%)

The analysis of the gas sample recovered from the Toolachee Formation highlights the richer hydrocarbon content of this formation when compared with the Epsilon and Patchawarra formations, with the composition of the samples being:

- Toolachee Formation gas sample: 83% hydrocarbons (79% methane, 3% ethane and 1% other) and 17% inerts
- Epsilon Formation gas sample: 77% hydrocarbons (75% methane, 2% ethane) and 23% inerts (similar to Patchawarra Formation samples from previous wells)

The well has been cased for future production, with a likely option being the connection of the Odin Field into the Vali production network. Odin-1 addressed a fault bounded Patchawarra Formation closure, up dip of Strathmount-1, a well drilled in 1987 and plugged and abandoned after discovering what was then considered a non-commercial hydrocarbon accumulation. Pre-drill mapping estimated the Toolachee Formation at Odin to have ~8 metres of structural relief over nearly 5.2 km², and ~15 metres of structural relief over nearly 2.5 km² in the Patchawarra Formation.

Prior to drilling the Odin-1 well, the Odin Structure had a Gross Prospective Resource of: 1U low estimate of 3.6 Bcf (1.6 Bcf net), 2U best estimate of 12.6 Bcf (5.7 Bcf net), 3U high estimate of 42.6 Bcf (19.0 Bcf net) (refer ASX release dated 22 November 2019). These resource numbers will be independently updated, and a reserve certification made in due course.

Otway Basin, South Australia/Victoria

PRL 249 (exPEL 155) (Vintage 50%, Otway Energy Pty Ltd 50% and operator)

Production testing at Nangwarry-1 was completed with perforations across the targeted zones in the Top Pretty Hill Formation. The well produced strongly and delivered a raw gas rate of 10.5-10.8 million standard cubic feet per day (“MMscfd”) through a 48/64” choke at a flowing wellhead pressure of 1,415 psi over a 36-hour period. This flow was measured through a 3” orifice plate and choked back in order to analyse the well over this extended flow period with stable conditions.

During the latter part of the flow testing period a production logging tool (“PLT”) was run. The logging passes across the perforations were run at 30, 60, 90 feet/min while flowing at a rate restricted by a 32/64” choke at approximately 6 MMscfd, then at a restricted rate by a 48/64” choke at approximately 11 MMscfd and finally while shut-in.

Once the PLT was pulled from the hole, downhole gauges were programmed and run into the hole and set at 2,919 metres to record pressure data for the extended flow and shut-in periods. Following analysis of the main flow test data, and pressure build-up data after an extended shut-in of the flow, Vintage interpreted no significant pressure drop in the reservoir as a result of the flow. As the flow test had negligible impact on the reservoir pressure, this indicates a sizeable volume of CO₂ is present in the field.

Subsequent to period end, a revision of the Nangwarry Field recoverable estimates was conducted by ERCE following the successful production test of the Nangwarry-1 well. The revised estimates are as follows:

Nangwarry Field						
	Gross On-block Recoverable CO ₂ Sales Gas (Bcf)			Gross Gas Contingent Resources (Bcf)		
	Low	Best	High	1C	2C	3C
Pretty Hill Sandstone	9.0	25.9	64.4	0.5	1.6	4.1
	Net On-block Recoverable CO ₂ Sales Gas (Bcf)			Net Gas Contingent Resources (Bcf)		
Pretty Hill Sandstone	4.5	12.9	32.2	0.3	0.8	2.0

Notes

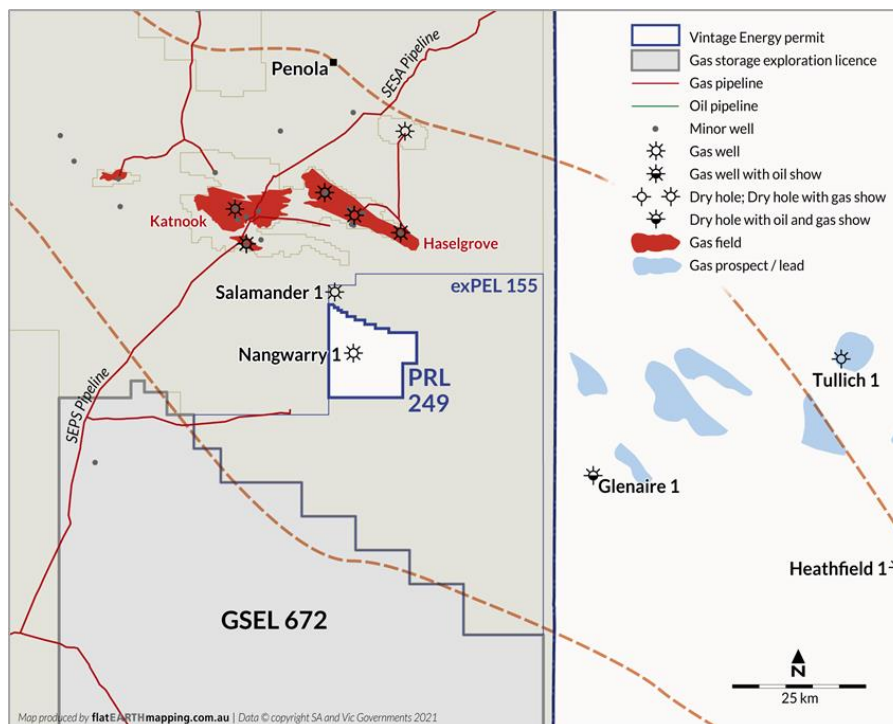
1. ERCE reserves estimates effective 7 July 2021.
2. Gross volumes represent a 100% total of estimated recoverable volumes within PRL 249.

3. Working interest volumes for Otway Energy Ltd and Vintage's share of the Gross recoverable volumes can be calculated by applying their working interest in PRL 249, which is 50% each.
4. Sales gas stream for Nangwarry is CO₂ gas.
5. These are unrisked Contingent Resources that have not been risked for Chance of Development and are sub-classified as Development Unclarified.
6. Hydrocarbon gas also includes minor volumes of nitrogen.
7. Contingent Resources will be Consumed in Operations – used as fuel for CO₂ gas plant.

The Nangwarry Field has the potential to provide a stable and reliable source of food grade CO₂, which is currently in high demand since the depletion of onshore Otway Basin well Caroline-1 in 2017. The main industrial uses for food grade CO₂ include:

- Carbonation of soft drinks, fruit juices and beer
- Recharging of natural mineral waters
- Winemaking
- Tapping beer and oxidation prevention through contact with air
- Conservation of wine, unfermented grape juice and fruit juices
- Medical devices
- Cold storage / refrigeration
- Accelerating growth of farm produce as an atmosphere additive
- Preparation of sodium carbonate, alkaline bicarbonates, lead carbonate and various organic substances (e.g. salicylic acid)
- Production of paints and varnishes and manufacture of foam rubber

The Department of Energy and Mining approved an application for a retention licence (PRL 249) over the Nangwarry CO₂ discovery, prior to expiry of PEL 155 on 5 May 2021. As a result, the Joint Venture retains a significant amount of land around the Nangwarry Field while it pursues options for commercial development.



Vintage was appointed by the Joint Venture as marketing agent to commercialise the Nangwarry Field. The recent appointment of an in-house Commercial Manager, along with BurnVoir Corporate Finance Limited as a corporate advisor, provide the appropriate resourcing to investigate and negotiate a beneficial outcome on behalf of the Joint Venture for commercialisation of the Nangwarry Field.

Perth Basin, Western Australia

Cervantes Structure (L 14) (Vintage earning 30%, Metgasco earning 30% and RCMA Australia Pty Ltd (“RCMA”), 40%)

The Cervantes prospect sits within the L14 licence granted over the Jingemia oilfield and surrounds and is a high-side fault trap of multiple Permian sandstone reservoir targets (prolific producers in Perth Basin). The COS is 28% and it has a high chance of development due to its close proximity to the Jingemia oil field and processing facility. The Cervantes prospect has a Gross Prospective Resource of: 1U low estimate of 6.0 MMbbl (1.8 MMbbl net), 2U best estimate of 15.3 MMbbl (4.6 MMbbl net), 3U high estimate of 41.9 MMbbl (12.6 MMbbl net) (refer ASX release dated 15 November 2019).

The Environmental Protection Authority has indicated support for the drilling of Cervantes and sought comments from interested parties. It is anticipated that formal approval will be given in the coming months, which will enable the Cervantes Joint Venture to construct the well pad in preparation for a late 2021/early 2022 spud date, subject to rig availability.

Bonaparte Basin, Western Australia

EP 126 (Vintage 100%)

Firetail Energy Services Pty Ltd, an oil and gas service provider that was a potential farm-in partner in EP 126 in the Northern Territory, went into administration. As a result of this, the farm-in agreement with Vintage to earn a 10% equity in EP126 has been terminated. Interest is being shown in the permit and Vintage will pursue those interests in a bid to attract a joint venture partner to the project.

CORPORATE

Vintage appointed finance advisory group, BurnVoir Corporate Finance Limited (“BurnVoir”), as financial adviser. BurnVoir are working with Vintage to investigate and potentially secure attractive, flexible, non-equity based funding packages for projects within the Vintage asset portfolio, aimed at maximising value for Vintage shareholders. The projects of focus are the Vali Field, which will seek to supply gas to the eastern Australia gas market, and Nangwarry, which is a CO₂ discovery with the potential to produce food grade CO₂ used in the beverage, medical devices and storage industries, to name a few.

Related parties

Payments to related parties, as disclosed at Item 6.1 in the Company’s Cash Flow Report attached to this report (Appendix 5B) for the 3 months ended 30 June 2021, consists of \$134,570 remuneration and \$12,784 superannuation.

Top 10 Shareholders (21 July 2021)

Position	Holder Name	Holding	%
1	BNP PARIBAS NOMS PTY LTD <DRP>	59,866,173	9.89%
2	HSBC CUSTODY NOMINEES (AUSTRALIA) LIMITED - A/C 2	28,911,316	4.78%
3	MR DOMINIC VIRGARA	19,100,000	3.16%
4	UBS NOMINEES PTY LTD	12,750,000	2.11%
5	CS THIRD NOMINEES PTY LIMITED <HSBC CUST NOM AU LTD 13 A/C>	10,220,187	1.69%
6	HOWZAT SERVICES PTY LTD<HOWARTH SUPER FUND A/C>	9,077,842	1.50%
7	EQUITAS NOMINEES PTY LIMITED <PB-600853 A/C>	9,003,780	1.49%
8	N M GIBBINS	8,754,075	1.45%
9	AURELIUS RESOURCES PTY LTD <THE NELSON SUPER FUND A/C>	8,083,519	1.34%
10	MR REGINALD GEORGE NELSON & MRS SUSAN MARGARET NELSON <GROUNDHOG A/C>	7,661,176	1.27%
	Total	173,428,068	28.65%
	Total issued capital - selected security class(es)	605,305,846	100.00%

Forward Looking Statements

This document may include forward looking statements. Forward looking statements include, but are not necessarily limited to, statements concerning Vintage's planned operational program and other statements that are not historic facts. When used in this document, the words such as "could", "plan", "estimate", "expect", "intend", "may", "potential", "should" and similar expressions are forward looking statements. Although Vintage believes its expectations reflected in these are reasonable, such statements involve risks and uncertainties, and no assurance can be given that actual results will be consistent with these forward-looking statements. Vintage confirms that it is not aware of any new information or data that materially affects the information included in this announcement and that all material assumptions and technical parameters underpinning this announcement continue to apply and have not materially changed.

Appendix 5B

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

Name of entity

VINTAGE ENERGY LIMITED

ABN

56 609 200 580

Quarter ended ("current quarter")

30 June 2021

Consolidated statement of cash flows	Current quarter \$A	Year to date (12 months) \$A
1. Cash flows from operating activities		
1.1 Receipts from customers		
1.2 Payments for		
(a) exploration & evaluation	(17,158)	(70,376)
(b) development		
(c) production		
(d) staff costs	(623,459)	(2,267,829)
(e) administration and corporate costs	(364,725)	(1,114,779)
1.3 Dividends received (see note 3)		
1.4 Interest received	224	1,573
1.5 Interest and other costs of finance paid		
1.6 Income taxes paid		
1.7 Government grants and tax incentives	1,708,053	1,808,053
1.8 Other (corporate recoveries)	0	39,440
1.9 Net cash from / (used in) operating activities	702,935	(1,603,918)
2. Cash flows from investing activities		
2.1 Payments to acquire or for:		
(a) entities		
(b) tenements		
(c) property, plant and equipment	(6,094)	(34,024)
(d) exploration & evaluation	(3,137,682)	(8,948,936)
(e) investments		
(f) other non-current assets		

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

Consolidated statement of cash flows		Current quarter \$A	Year to date (12 months) \$A
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 (rental payments)	(53,376)	(176,354)
2.6	Net cash from / (used in) investing activities	(3,197,152)	(9,159,314)
3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	0	15,317,167
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	0	(877,270)
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	0	14,439,897
4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	9,614,121	3,443,239
4.2	Net cash from / (used in) operating activities (item 1.9 above)	702,935	(1,603,918)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(3,197,152)	(9,159,314)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	0	14,439,897

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

Consolidated statement of cash flows		Current quarter \$A	Year to date (12 months) \$A
4.5	Effect of movement in exchange rates on cash held		
4.6	Cash and cash equivalents at end of period	7,119,904	7,119,904

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	Previous quarter \$A
5.1	Bank balances	6,982,039	9,476,256
5.2	Call deposits *	30,000	30,000
5.3	Bank overdrafts		
5.4	Other (security deposits) *	107,865	107,865
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	7,119,904	9,614,121

*Amount is restricted

6.	Payments to related parties of the entity and their associates	Current quarter \$A
6.1	Aggregate amount of payments to related parties and their associates included in item 1	147,354
6.2	Aggregate amount of payments to related parties and their associates included in item 2	

Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.

For personal use only

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

7. Financing facilities <i>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.</i>	Total facility amount at quarter end \$A	Amount drawn at quarter end \$A
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 quarter end		
7.6 Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.		

8. Estimated cash available for future operating activities	\$A
8.1 Net cash from / (used in) operating activities (item 1.9)	702,935
8.2 (Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(3,137,682)
8.3 Total relevant outgoings (item 8.1 + item 8.2)	(2,434,747)
8.4 Cash and cash equivalents at quarter end (item 4.6) **	6,982,039
8.5 Unused finance facilities available at quarter end (item 7.5)	0
8.6 Total available funding (item 8.4 + item 8.5)	6,982,039
8.7 Estimated quarters of funding available (item 8.6 divided by item 8.3)	2.9
<i>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.</i>	
8.8 If item 8.7 is less than 2 quarters, please provide answers to the following questions:	
8.8.1 Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?	
Answer:	
8.8.2 Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?	
Answer:	

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

8.8.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Answer:

Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.

** Difference between item 8.4 and item 4.6 reflects amounts that are restricted. Refer item 5.1.

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:29 July 2021.....

Authorised by: "By the board"
(Name of body or officer authorising release – see note 4)

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.