

#### **REALM RESOURCES LTD**

ASX/Media Release

30 April 2013

#### **Quarterly report to 31 March 2013**

#### **Key Points:**

- Maiden JORC compliant reserves of 29 Mt assuming a long term coal price of US\$52/ton for the expected Katingan Ria coal quality;
- Fivefold increase in Measured and Indicated Resources to 50 Mt lays foundation for potential 10+ year coal operation;
- Revised total resource of 89 Mt (vs 102 Mt) due to a review of bore hole intersections of the Northern area D series seams;
- Mining and logistics options studies well advanced, paving the way for the completion of the feasibility study for potential 10+ year, 2.5 Mt pa coal operation;
- Coal well suited for modern Indian and Chinese power generation.

#### **KATINGAN RIA**

During the quarter, **Realm Resources Ltd. (ASX: RRP)** ("**Realm**" or the "**Company**") announced maiden JORC compliant reserve of 29 Mt at its Katingan Ria Project ("**Katingan Ria**") following an independent estimate completed by Xenith Consulting Pty Ltd ("**Xenith**").

Katingan Ria (Realm 51% interest), which is located in Kalimantan, Indonesia, is shaping up as a simple, open-cut operation that will supply low ash and sulphur coal ideally suited for modern Indian and Chinese power generation.

The reserve estimates are based on previously reported JORC compliant coal resources of 89 Mt, together with realistic mining, metallurgical, economic, marketing and royalty assumptions.

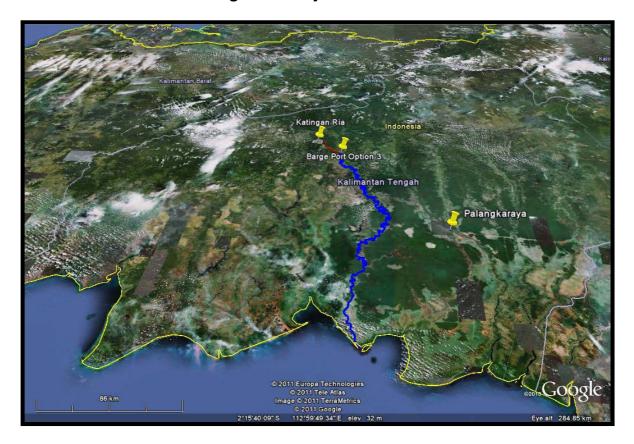
#### Introduction

The Katingan Ria coal project is located near the town of Tumbang Samba in Central Kalimantan, Indonesia (Figure 1). The project is planned as a 2.5 Mt pa open cut mine. The planned operation consists of an open cut haul back mining method using hydraulic loaders and rear dump trucks to dump both inpit and expit. Coal is transported from the pit by 60 t road trucks approximately 45 km to a stockpiling and barge loading facility on the Katingan River. Barges will then



transport coal 435 km from the stockpile area to the river mouth for transhipment into coal ships for delivery to market.

Coal is planned to be sold "unwashed", meaning there is no metallurgical treatment required to achieve a saleable product. The coal is expected to be predominantly sold as low ash and low sulphur coal ideally suited for modern Indian and Chinese power generation.



**Figure 1: Project Location** 

#### **Coal Reserve Estimation**

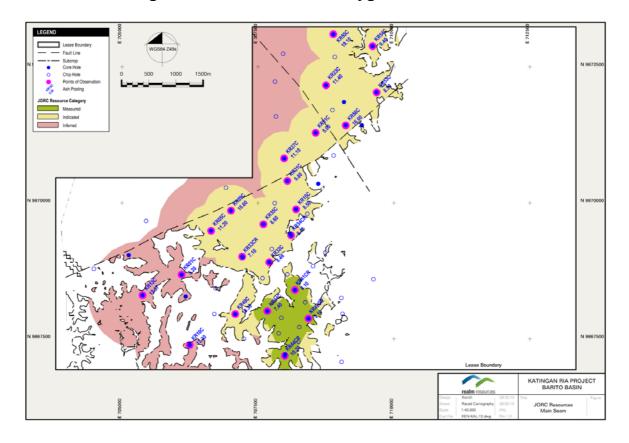
On 14 February 2013, Realm published a resource upgrade following the completion of the phase 3 drilling programme. A JORC compliant coal resource of 89 Mt was defined, of which 6 Mt were classified as Measured, 44 Mt were classified as Indicated with an additional 39 Mt of the deposit being classified as Inferred (Table 1 and Figure 2). The coal reserves were estimated using the same geological model as used in the February 2013 resource statement and was undertaken in compliance with the requirements of the reporting guidelines of the 2004 Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australasian Institute of Geoscientists and Minerals Council of Australia ("JORC Code").



**Table 1: Coal Resources Summary** 

RESOURCE CATEGORY	SEAM	TOTAL VOLUME (Mbcm)	PLAN AREA (Ha)	MASS (Mt)	TRUE VERTICAL THICKNESS (m)	RD (g/cc)	PRD (g/cc)	TM (%)	IM (17% std Moisture)	ASH (17% std Moisture)	VM (17% std Moisture)	FC (17% std Moisture)	TS (17% std Moisture)	CV (kcal/kg, (17% std Moisture)
SOUTH														
3001H														
Measured	MAIN	4.4	97	5.7	4.58	1.38	1.29	32	17	9.0	37.7	36.4	0.20	5,105
Indicated	В	1.2	103	1.6	1.15	1.41	1.31	32	17	15.2	39.9	34.7	0.25	5,144
Indicated	MAIN	14.6	339	18.6		1.37	1.28	32			40.6	33.0		5,056
Inferred	С	1.3	72	1.7	1.82	1.45	1.33	32	17	24.6	33.1	30.3	0.21	4,091
Inferred	В	0.1	17	0.1	0.67	1.41	1.31	32	17	16.2	39.4	33.6	0.24	5,041
Inferred	MAIN	6.2	223	8.1	2.78	1.40	1.30	32	17	10.2	38.8	35.2	0.19	5,038
Inferred	2	1.8	395	2.4	0.46	1.38	1.28	32	17	13.6	44.4	24.9	0.21	4,993
Inferred	3	1.8	496	2.3	0.36	1.40	1.29	32	17	10.5	36.9	35.6	0.29	5,054
NORTH														
Indicated	В	4.2	298	5.4	1.40	1.40	1.29	32	17	14.3	37.2	33.0	0.23	4,837
Indicated	MAIN	14.4	379	18.4	3.82	1.37	1.28	32	17	11.9	40.2	33.6	0.21	5,120
Inferred	С	5.1	305	6.9	1.67	1.48	1.35	32	17	22.6	33.1	30.3	0.21	4,091
Inferred	В	2.7	218	3.5	1.25	1.40	1.29	32	17	14.5	37.7	33.1	0.24	4,899
Inferred	A2	0.9	202	1.1	0.43	1.38	1.29	32	17	16.6	41.7	29.6	0.37	4,985
Inferred	A1	0.3	144	0.4	0.24	1.32	1.25	32	17	9.3	39.9	37.0	0.28	5,422
Inferred	MAIN	9.7	261	12.4	3.70	1.38	1.28	32	17	11.2	40.3	33.4	0.21	5,084
Grand Total		68.8		88.8										

Figure 2: JORC Resource Polygon – Main Seam





Coal reserves were estimated by applying realistic mining, metallurgical, economic, marketing, legal, environmental, social and government factors to the coal resources. The mining factors (such as recovery and dilution) were defined from the proposed open cut mining method. The Pit Optimisation Study, which delineated the Katingan Ria life of mine pit (used in the Reserve Statement of 8 March 2013), was based on the area of the deposit that was economical to mine at a reasonably low product coal sales price (Figures 3, 4, 5 and 6). No metallurgical factors were applicable as the ROM coal is planned to be sold as a raw coal without processing.

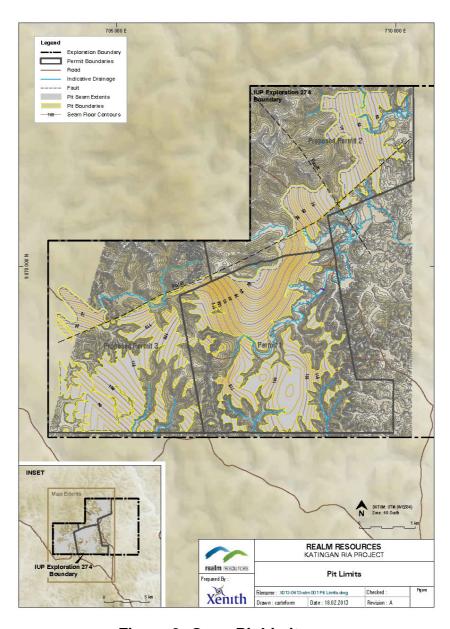
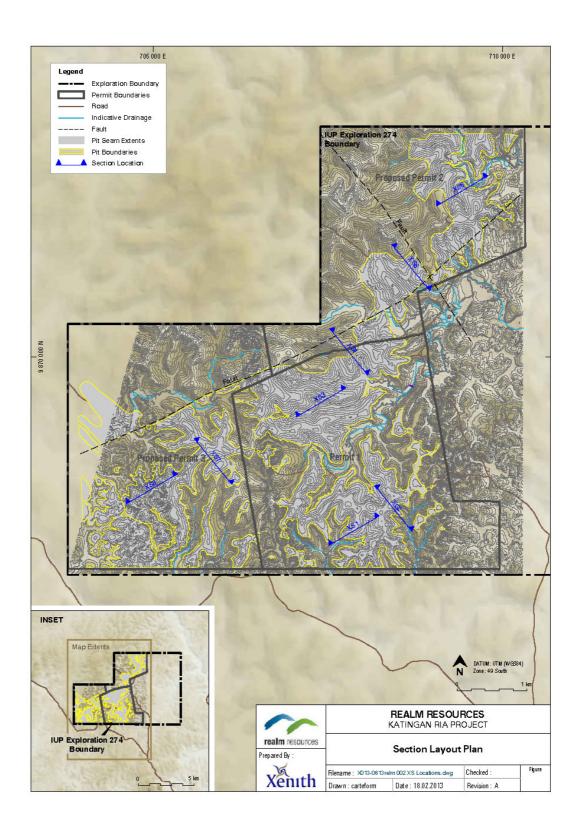


Figure 3: Open Pit Limits





**Figure 4: Position of Cross Sections** 



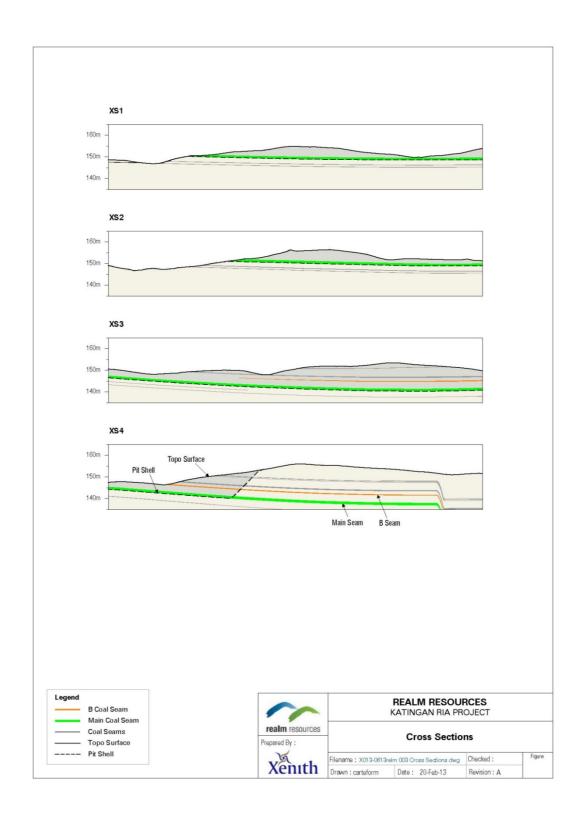
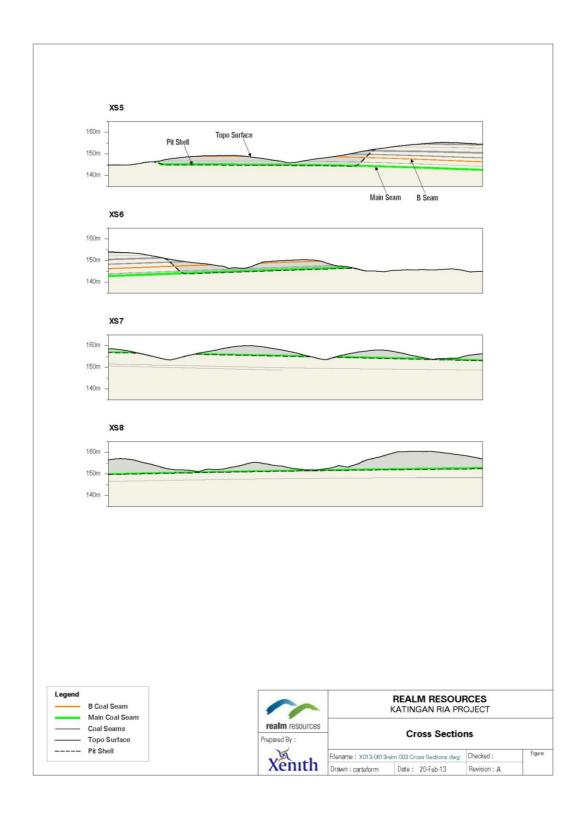


Figure 5: Cross Sections





**Figure 6: Cross Sections (Continued)** 



In addition, due to the seasonality of the Katingan River, coal mining and barging was limited to approximately 8 months in the year with campaign-style barging planned to take advantage of the periods when river depths are fully navigable.

All the coal reserves were classified based on the level of detail completed in the mine planning and also the level of confidence in the resources. Coal resources were reported inclusive of coal reserves (that is, coal reserves were not additional to coal resources).

The coal reserves were based on a long-term coal price of US\$52/t for Katingan Ria coal (note: based on an internal Market Study by Salva Resources in November 2012, this would equate to a long term Hunter Valley coal price of around US\$104/t). Based on the then current spot price (US\$41.50/t FOB Kalimantan 4,200 kcal/kg GAR coal, 5<sup>th</sup> March 2013), the project is considered marginal with operating profits only occurring in the initial low strip ratio years and as such economic reserves do not exist.

At Katingan Ria, all coal reserves have been classified as probable due to the coal price and barging risks. The following Tables 2 and 3 show the total estimated open cut coal reserves and the reserves by seam for open cut reserves.

Table 2: Total Open Cut Coal Reserve Quantities (February 2013) (Mt) (gar @ 30% moisture)

Area	B Seam Probable (Mt)	Main Seam Probable (Mt)	Total Reserves Probable (Mt)
North of Fault	1.7	6.8	8.5
South of Fault - Permit Zone*	0.8	18.0	18.8
South of Fault - Other	0.2	1.6	1.8
Total	2.7	26.4	29.1

Table 3: Total Open Cut Coal Reserve Qualities (February 2013) (Mt) (gar @ 30% moisture)

Area	B Seam Ash	B Seam CV	Main Seam Ash	Main Seam CV	Avg. Ash	Avg. CV
North of Fault	12.61	4,059	10.47	4,324	10.91	4,270
South of Fault - Permit Zone	15.27	4,245	8.27	4,248	8.58	4,248
South of Fault - Other	9.98	4,249	9.91	4,275	9.92	4,272
Total	13.25	4,127	8.94	4,269	9.34	4,256

The total coal reserve at Katingan Ria is estimated as 29 Mt of probable reserve of which 26.4 Mt is attributable to the Main Seam. The weighted average Main Seam calorific value and ash is 4,269 kcal/kg (gar) and 8.9% (gar) respectively. The B Seam has slightly lower quality coal with 13.3% (gar) ash and 4,127 kcal/kg (gar) energy.



Major risks to the coal reserve estimate are a reduction in the thermal coal price and challenges associated with transporting the coal to market, namely barging on the Katingan River.

#### **PLATINUM GROUP METALS**

Realm Resources (Pty) Ltd (RRP 74%)

During the December 2012 quarter, the Company advanced a deal that will position Realm as a major shareholder in a 'stand-alone' company focussed on advancing platinum group metals ("**PGM**") and chrome assets in South Africa.

As announced on 13 August 2012, Realm entered into an agreement (the "**Agreement**") with Chrometco Limited ("**Chrometco**" – JSE: CMO) and Nkwe Platinum Rooderand (Proprietary) Limited ("**Nkwe**") to vend the Rooderand PGM assets into Chrometco in exchange for shares in Chrometco.

Following Chrometco's General Meeting held on 2 November 2012, Chrometco shareholders approved the Agreement.

Nkwe and Realm (the "Sellers") agreed to cancel the existing farm-in agreement and sell to Chrometco the platinum group and base metal mineral rights (the "Prospecting Right") as well as historical drill core and geological data. Chrometco holds a mining right for chrome on the same Remaining Extent of the Farm Rooderand 46 JQ property (the "Property") in South Africa (see Appendix for details).

In terms of the Agreement, Nkwe is in the process of renewing its new order prospecting right for PGM, gold, cobalt, copper and nickel on the Property. Nkwe has agreed to transfer its geological data and the drill core to Chrometco and conditionally abandon its prospecting right subject to the granting of the Section 102 Consent of the Mineral and Petroleum Resources Development Act in favour of Chrometco (the "Section 102 Application"). Subject to the fulfilment of the conditions precedent, Chrometco would issue 90 million Chrometco ordinary shares to the Sellers (the "Consideration"), 45 million to Realm and 45 million to Nkwe (the "Transaction"). Upon completion of the Transaction and assuming no further Chrometco shares being issued, Realm and Nkwe would hold approximately 16% each of Chrometco and would have board representation.

Following Chrometco shareholder approval on 2 November 2012, the first tranche issue of 20 million new ordinary Chrometco shares were allotted to the Sellers (i.e. 10 million to Realm). Furthermore, Richard Rossiter was appointed as a non-executive director of Chrometco.

#### **ALUMINIUM**



## Alumicor SA Holdings (Pty) Ltd (RRP - 74%)

Realm Resources' subsidiary, Alumicor SA ("Alumicor"), treats aluminium dross and returns aluminium to Hulamin Limited ("Hulamin") on a toll conversion fee basis.

#### **Health and Safety**

There were no disabling injuries during the quarter. The focus on safety training and monitoring continues. The disabling injury frequency rate (DIFR) for the March quarter was 1.9% (3.5% in the prior quarter).

#### Smelting and recovery performance comparison

Alumicor	Q1 2012	Q2 2012	Q3 2012	Q4 2012	Q1 2013	% change Q4 2012
Tons smelted	4,562	3,739	4,527	5,172	4,505	(13%)
Average recovery	57%	56%	60%	63%	62%	(2%)

#### **Operations**

During the quarter, there was a decline in dross volumes delivered by Hulamin, largely attributable to the festive season shutdowns. Alumicor continues investigating sourcing additional dross and scrap to that end..

#### **Financial**

Operating profitability was maintained. Management of operating costs continues together with continued efforts to improve processes.

#### **CORPORATE**

During the quarter, Realm Resources and its partners announce that the commercial way forward for the development of its 51% held Indonesian thermal coal project, Katingan Ria, has been clarified following termination of the Master Agreement with its Indonesian Partners (PT SMAA). Consequently Realm's option to acquire an additional 24% in Katingan Ria for additional staged payments totalling US\$17m has been cancelled (See RRP:ASX announcement 12 April 2011 for details).



Referring to the attached 5B schedule, net operating cash outflows were AUD\$822,000 for the quarter (outflow of AUD\$1,195,000 in the prior quarter).

Group cash position as at 31 March 2013 was AUD\$1,650,000.

#### **About Realm**

Realm's strategy is to create shareholder value through exploration and development of bulk commodity projects, primarily in coal. In addition, the Company has platinum group metals (**PGM**), advanced exploration projects and an aluminium dross treatment plant in South Africa.

#### Competent Persons Statement - Katingan Ria Project

The information in this announcement that relates to Exploration Results, Mineral Resources or Ore Reserves at the "Katingan Ria" Project is based on information compiled by Mr Troy Turner, who is a Member of the Australian Institute of Mining and Metallurgy. Mr Turner is a full-time employee of Xenith Consulting Pty Ltd. Mr Turner is a qualified geologist and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Turner consents to the inclusion in the announcement of the matters based on his information in the form and context in which it appears.

#### Competent Persons Statement - Katingan Ria Project

The information in this announcement that relates to Ore Reserves at the "Katingan Ria" Project is based on information compiled by Mr Grant Walker, who is a Member of the Australian Institute of Mining and Metallurgy. Mr Walker is a full-time employee of Xenith Consulting Pty Ltd. Mr Walker has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Walker consents to the inclusion in the announcement of the matters based on his information in the form and context in which it appears.

Competent Persons Statement – Kliprivier, Ghost Mountain and Tinderbox projects
The information in this announcement that relates to Exploration Results, Mineral Resources or Ore
Reserves at the Kliprivier, Ghost Mountain and Tinderbox projects is based on information compiled by Mr
Allen Maynard, who is a Member of the Australian Institute of Geoscientists and a Corporate Member of
the Australasian Institute of Mining and Metallurgy. Mr Maynard is the principal of Al Maynard &
Associates Pty Ltd and has over 30 years of exploration and mining experience in a variety of mineral
deposit styles. Mr Maynard has sufficient experience which is relevant to the style of mineralisation and
type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent
Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results,
Mineral Resources and Ore Reserves". Mr Maynard consents to the inclusion in the announcement of the
matters based on his information in the form and context in which it appears.

#### For further information please contact:

Richard Rossiter (MD) or Theo Renard (FD) on +61 2 8249 4542

Or visit the company's website www.realmresources.com.au

Rule 5.5

## Appendix 5B

# Mining exploration entity and oil and gas exploration entity quarterly report

Introduced 01/07/96 Origin Appendix 8 Amended 01/07/97, 01/07/98, 30/09/01, 01/06/10, 17/12/10, 01/05/2013

Name of entity						
Realm Resources Limited						
ABN	Quarter ended ("current quarter")					
98 008 124 025	31 March 2013					

## Consolidated statement of cash flows

Cash f	lows related to operating activities	Current quarter \$A'000	Year to date (3 months) \$A'ooo
1.1	Receipts from product sales and related debtors	948	948
1.2	Payments for (a) exploration & evaluation (b) development (c) production	(137) (529)	(137) (529)
	(d) administration	(1,022)	(1,022)
1.3	Dividends received	(-)/	(-, - = -)
1.4	Interest and other items of a similar nature received	19	19
1.5	Interest and other costs of finance paid		
1.6	Income taxes paid	(101)	(101)
1.7	Other (provide details if material)		
	Net Operating Cash Flows	(822)	(822)
1.8	Cash flows related to investing activities Payment for purchases of: (a) prospects (b) equity investments (c) other fixed assets		
1.9	Proceeds from sale of: (a) prospects (b) equity investments (c) other fixed assets	49	49
1.10	Loans to other entities		
1.11	Loans repaid by other entities		
1.12	Other (provide details if material)		
	Net investing cash flows	49	49
1.13	Total operating and investing cash flows (carried forward)	(773)	(773)

<sup>+</sup> See chapter 19 for defined terms.

### Appendix 5B Mining exploration entity and oil and gas exploration entity quarterly report

1.13	Total operating and investing cash flows (brought forward)	(773)	(773)	
1.14 1.15 1.16 1.17 1.18 1.19	Cash flows related to financing activities Proceeds from issues of shares, options, etc. Proceeds from sale of forfeited shares Proceeds from borrowings Repayment of borrowings Dividends paid Other (provide details if material)	8	8	
	Net financing cash flows	8	8	
	Net increase (decrease) in cash held	(765)	(765)	
1.20	Cash at beginning of quarter/year to date	2,500	2,500	
1.21	Exchange rate adjustments to item 1.20	(85)	(85)	
1.22	Cash at end of quarter	1,650	1,650	

# Payments to directors of the entity, associates of the directors, related entities of the entity and associates of the related entities

		Current quarter
		\$A'000
1.23	Aggregate amount of payments to the parties included in item 1.2	692
1.24	Aggregate amount of loans to the parties included in item 1.10	
1.25	Explanation necessary for an understanding of the transactions	
	N/A	

## Non-cash financing and investing activities

2.1	Details of financing and investing transactions which have had a material effect on
	consolidated assets and liabilities but did not involve cash flows

N/A			

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<sup>+</sup> See chapter 19 for defined terms.

873

593

<u>1,4</u>66

	Details of outlays made by other entities which the reporting entity has an interest N/A							
	nancing facilities available d notes as necessary for an understanding of the	e position.						
		Amount available \$A'ooo	Amount used \$A'ooo					
3.1	Loan facilities	5,000	5,	000				
3.2	Credit standby arrangements							
			Estimated cash outflows for next quarter					

## Reconciliation of cash

Exploration and evaluation

Development

Production \*

**Total** 

Administration \*\*

4.1

4.2

4.3

Reconciliation of cash at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts is as follows.		Current quarter \$A'000	Previous quarter \$A'000
5.1	Cash on hand and at bank	139	74
5.2	Deposits at call	679	1,176
5.3	Bank overdraft		
5.4	Other (provide details)	832	1,250
	Total: cash at end of quarter (item 1.22)	1,650	2,500

<sup>\*</sup> Note - production costs absorbed by operations

<sup>\*\*</sup> Note – portion of Administration costs absorbed by operations

<sup>+</sup> See chapter 19 for defined terms.

## Changes in interests in mining tenements and petroleum tenements

		Tenement reference and location	Nature of interest (note (2))	Interest at beginning of quarter	Interest at end of quarter
6.1	Interests in mining tenements and petroleum tenements relinquished, reduced or lapsed	N/A			
6.2	Interests in mining tenements and petroleum tenements acquired or increased	N/A			

## Issued and quoted securities at end of current quarter

Description includes rate of interest and any redemption or conversion rights together with prices and dates.

		m . 1 1	NT 1 . 1	т .		
		Total number	Number quoted	Issue price per	Amount paid up	
				security (see	per security (see	
				note 3) (cents)	note 3) (cents)	
7.1	Preference					
	<sup>+</sup> securities					
	(description)					
7.2	Changes during					
	quarter					
	(a) Increases					
	through issues					
	(b) Decreases					
	through returns					
	of capital, buy-					
	backs,					
	redemptions					
7.3	<sup>+</sup> Ordinary	410,100,813	410,100,813	N/A	N/A	
	securities					
7.4	Changes during					
	quarter					
	(a) Increases					
	through issues	5,540,335	5,540,335	1.8	1.8	
	(b) Decreases	3.31.1333	3.31.1333			
	through returns					
	of capital, buy-					
	backs					
7.5	<sup>+</sup> Convertible	Unsecured 8% As	5,000,000 Converti	ble Equity Linked C	Credit Facility,	
, ,	debt	repayable on or before 30 September 2013, either by way of cash or issue of				
	securities	shares	J - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	<i>),</i> <b>,</b> <del></del> <b>,</b>		
	(description)					

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<sup>+</sup> See chapter 19 for defined terms.

7.6	Changes during quarter (a) Increases through issues (b) Decreases through securities matured, converted				
7.7	Options			Exercise price	Expiry date
7.7	(description and	1,000,000	Nil	\$0.15	30 January 2015
	conversion	100,000,000	Nil	\$0.05	12 February 2018
	factor)	100,000,000	1,11	\$5.57	12 1 001 001 1 2010
7.8	Issued during				
7.0	quarter	100,000,000	Nil	\$0.05	12 February 2018
7.9	Exercised				
	during quarter				
7.10	Expired during				
	quarter				
7.11	Debentures				
	(totals only)				
7.12	Unsecured				
	<b>notes</b> (totals				
	only)				

## **Compliance statement**

- This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Act or other standards acceptable to ASX (see note 5).
- This statement does /does not\* (*delete one*) give a true and fair view of the matters disclosed.

Sign here:	(Director/Company secretary)	Date: 30 March 2013
Print name:	T N Renard	

### **Notes**

The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.

<sup>+</sup> See chapter 19 for defined terms.

- The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements and petroleum tenements acquired, exercised or lapsed during the reporting period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenement or petroleum tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.
- Issued and quoted securities The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.
- 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.
- Accounting Standards ASX will accept, for example, the use of International Financial Reporting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

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<sup>+</sup> See chapter 19 for defined terms.