LAKE RESOURCES N.L. QUARTERLY REPORT

ENDING 31 DECEMBER 2016

ABN 49 079 471 980



31 January 2017

Lake Resources N.L. ASX:LKE

Shares on Issue: 188,993,026

Options Unlisted: 51,539,250 (incl. 26,539,250 vested)

Market Capitalisation: \$11 million (@ \$0.06/share)

Cash (at 31 Dec 16): \$1.2 million

Contact: +61 2 91887864 steve@ lakeresources.com.au

HIGHLIGHTS

- Aggressive exploration programme underway over lithium brine lease applications in Argentina.
- Initial surface sampling programme nearing completion at Kachi Lithium Brine Project in Catamarca with results expected soon.
- Large lease position (~90,000 Ha) in 3 areas over prime lithium brine bearing basins in NW Argentina among largest players in lithium sector.
- Leases expanded with key contiguous title (3900 Ha) at Kachi Project new acquisitions.
- Leases/applications lie within Lithium Triangle which accounts for 49% of current global lithium production.
- Transaction with Lith NRG Pty Ltd completed 14 Nov 2016 to focus company on lithium brine projects.
- New management and board appointed.
- Capital raising completed Nov/Dec 2016.

LAKE RESOURCES N.L. QUARTERLY REPORT – ENDING 31 DEC 2016

OPERATIONS

Kachi Lithium Brine Project - Catamarca Province, Argentina

An aggressive exploration programme commenced over lithium brine lease applications in the Kachi Lithium Brine Project in Catamarca province, Argentina.

The initial surface auger sampling programme, commenced in late 2016, is nearing completion. The auger brine sampling programme is being conducted on lines approximately 1km apart over the salt lakes within the current Lake leases. Results are anticipated soon.

Preparations are underway for a ground electrical geophysics study. An initial drill programme is planned, with location of drillholes to be based on results from geophysics and sampling.

The Kachi Lithium Brine Project is composed of almost 50,000 Ha of mining leases either granted or under application held 100% by Lake's local subsidiaries. Leases have been granted to allow exploration over 9000 hectares. An additional 3,900 hectares of leases have recently been acquired contiguous to the area of active exploration. A series of adjoining leases are anticipated for similar granting soon.

The Kachi Lithium Brine Project is located in Catamarca province, approximately 100km south of FMC's Hombre Muerto Lithium brine operation in production. The Project overlies an area of leases and lease applications centred around a salt lake within a large basin almost 100km long. This area has been recently recognised as a potential lithium brine bearing basin.

The largest company in the lithium sector, Albemarle Ltd, recently secured leases over the basin immediately to the west of the area. Other companies have recently completed geophysics surveys over leases adjacent to Lake's leases and are planning to drill targets soon.

Olaroz/Cauchari & Paso Lithium Brine Projects - Jujuy Province, Argentina

Lake holds mining lease applications over almost 45,000 hectares in two areas in Jujuy Province, in NW Argentina. Most of the area was reapplied for in November when a moratorium was lifted. The initial applications from March 2016 are under an appeal process. The application process is anticipated to progress in early 2017. Leases/applications are held 100% through Lake's local subsidiaries.

The leases cover areas in and around Orocobre Limited, currently in production, and Lithium Americas Corporation, currently developing a project with the major lithium producer SQM, in the Cauchari/Olaroz basin in Jujuy Province, Argentina. Although data is limited within the properties, the tenements may cover potential extensions to the Cauchari/Olaroz projects with potential extensions to aquifers.

Exploration will commence as soon as access is available to the areas. Substantial ground geophysics and drilling has been completed in the surrounding leases at Olaroz/Cauchari.

Corporate activity in the area adjacent to Lake's leases has been substantial. Lithium Americas Corporation announced an equity investment of C\$106 million, from Gangfeng, an important Chinese producer, and BCP Innovation. Both Chinese investors will also provide US\$205 million in a debt facility with offtake commitments, sufficient to develop Lithium Americas share in the Stage 1 production from Olaroz/Cauchari.

Advantage Lithium Corporation announced a transaction to earn 65-75% equity in some of Orocobre's leases, raising C\$40 million in the market.

CORPORATE

Transaction with Lith NRG Pty Ltd

Lake completed a transaction in November 2016 to acquire the unlisted company Lith NRG Pty Ltd. Lake now has exciting lithium brine projects in three large packages of tenement applications (over 90,000 Ha) around salt lakes in North West Argentina. The property portfolio has been established over a ten month period, mostly prior to the recent 'rush' by majors into Argentina due to its proven prospectivity and recently improved foreign investment climate.

The transaction was detailed in a Notice of AGM & Explanatory Statement released on 1 September 2016, approved by shareholders on 4 October 2016. Subsequent final due diligence and documentation was completed and finalised on 14 November 2016.

Securities comprised of 50 million shares, with 25 million attached options (at \$0.05, 18 mth expiry) have been issued as vendor consideration for the acquisition, together with three tranches of performance rights (50 million in total) with attached options (25 million at \$0.05, 18 mth expiry) which vest upon completion of three future milestones. Two million shares were issued as consideration for the interest payment on a loan provided to Lith NRG Pty Ltd. A committed placement of \$0.5 million (25 million shares at \$0.02) was part of the transaction announced in May 2016 at a significant premium to the share price at the time. This placement was approved by shareholders and shares were issued at the same time as closure of the transaction. Details of the share issuance, placement, vendor consideration and use of funds was contained in the Notice of 1 September 2016, approved under Resolutions 3,4,5 and 11 by shareholders on 4 October 2016.

Board and Management Changes

The Company appointed two new Directors to the Board in November, with the resignations of two Directors, together with Management changes.

Mr Stephen Promnitz was appointed as Managing Director, with considerable technical and commercial experience in Argentina, a geologist fluent in Spanish. Mr Promnitz has previously been CEO or senior management of mid-tier mineral explorers/producers and with major mining companies (Rio, WMC) and in corporate finance roles with investment banks. He also provides services to Sentient Advisory.

Mr Stuart Crow was appointed Non-Executive Chairman with global experience in financial services, corporate finance, investor relations, salary packaging and stock broking. He is currently CEO/Director at Salaris Consulting Pty Ltd, Non-Executive Director at TNG Limited (ASX:TNG), Non-Executive Director at AIM listed Iron Ridge Resources Limited (AIM:IRR) and Director at Ballyhoo Marketing.

Mr Peter Gilchrist remained on the Board, utilizing his breadth of experience over 30 years as an engineer in mining, construction and manufacturing in Australia and the USA. Mr Gilchrist has recent global experience as Executive Chairman of the Aquatec Maxcon Group, a successful manufacturer/installer of water treatment equipment in the municipal, power and mining industries.

Mr Andrew Bursill became the Company Secretary and is a qualified Chartered Accountant with positions as outsourced CFO and Company Secretary with numerous ASX listed companies covering mineral and oil and gas exploration, biotechnology, technology, medical devices and retail. He is currently a director of Argonaut Resources NL and ShareRoot Limited and the Company Secretary of Aguia Resources Limited, Argonaut Resources NL, Austral Gold Limited, Eagle Nickel Limited, Netcentric Limited, ShareRoot Limited, and zipMoney Limited.

Mr Ross Johnston and Mr Jim Clavarino, asked to step down from the Board after more than 10 years' service and the successful acquisition of Lith NRG Pty Ltd. Mr Johnston and Mr Clavarino have provided many years of service and were thanked for their assistance and good guidance.

The Company's new office address is Suite 4, Level 9, 341 George St, Sydney NSW 2000 and the new telephone contact is: +61 2 9188 7864

Capital Raising

A capital raising was successfully completed in December 2016 with \$1.05 million raised, before costs, via private placement of approximately 16.1 million new LKE shares at \$0.065 per share to sophisticated and professional investors. Shareholder approval was previously provided for the capital raising under Listing Rule 7.3 as part of Resolution 7 in the Notice of AGM and Explanatory Statement. The company paid fees to intermediaries and financial arrangers which included issuing 1.54 million unlisted options with an exercise price of \$0.10 and an 18-month expiry period.

Funds are being used to enable the exploration programme over lithium brine basins in Argentina, controlled 100% by Lake, among some of the largest players in the lithium sector. Funds will also be used for corporate costs and working capital.

Lake has 188,993,026 shares on issue as at 31 Dec 2016.

Unlisted options include 25,000,000 options with an exercise price of \$0.05 (expiry 4 Apr 2018) and 1,539,250 options with an exercise price of \$0.10 (expiry 14 Jun 2018). Another 25,000,000 unlisted options and 50,000,000 performance rights were included in the transaction with Lith NRG Pty Ltd and have yet to reach the required hurdles for vesting.

Cash Position

Lake holds cash of \$1.16 million as at 31 December 2016 with no debt.

For further information, please contact:

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Background on Lake Resources NL (ASX:LKE)

Lake Resources NL (ASX:LKE, Lake) is a lithium exploration company undertaking an aggressive programme to explore prime lithium basins in Argentina, among some of the largest players in the lithium sector. Mining leases and applications are located in the Lithium Triangle which accounts for 49% of current lithium production.

Lake recently completed the acquisition of an early mover in Argentina, Lith NRG Pty Ltd, who had secured an extensive strategic package of ~90,000 Ha, prior to a significant 'rush' to secure projects by major companies in the sector. This is one of the largest tenement packages in Argentina, controlled 100% by Lake.

Lake has three key areas that have similar settings to major world class projects being developed -Olaroz/Cauchari, Paso and Kachi in the highly prospective Jujuy and Catamarca Provinces. Upcoming exploration in lithium brine basins, one which is adjacent to some of the leading lithium producers/developers, including Orocobre and SQM, may provide several catalysts for growth as the areas are assessed for major discoveries. Significant corporate transactions continue in adjacent leases with development recently funded in Olaroz/Cauchari through Lithium Americas Corporation.











Figure 1: Images from the Kachi Lithium Brine Project (top 3 photos), Cauchari Project and Paso Project

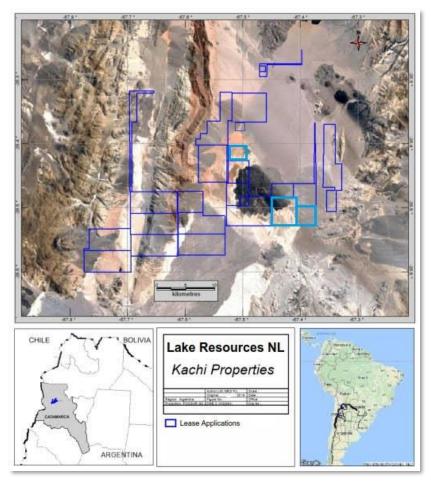


Figure 2: Kachi Lithium Brine Project leases showing recently acquired 3,900 hectare areas in light blue



Figure 3: Location map of Lake Resources lithium brine projects in NW Argentina

SCHEDULE OF TENEMENTS (Appendix 5B)

TOTAL AREA TOTAL NUMBER TENEMENTS: TENEMENTS:

56 98,023 Ha

REF	TENEMENT NAME	NUMBER	AREA Ha	INTEREST %	PROVINCE	STATUS
	OLAROZ - CAUCHARI AREA					
	Cauchari Bajo I	2156-P-2016	375	100	Jujuy	Application
	Cauchari Bajo II	2157-P-2016	363	100	Jujuy	Application
	Cauchari Bajo III	2158-P-2016	125	100	Jujuy	Application
	Cauchari Bajo IV	2155-P-2016	30	100	Jujuy	Application
	Cauchari Bajo V	2154-P-2016	952	100	Jujuy	Application
	Cauchari Bajo VI	2159-P-2016	32	100	Jujuy	Application
	Cauchari Centro I	2150-P-2016	32	100	Jujuy	Application
	Cauchari Centro II	2151-P-2016	10	100	Jujuy	Application
	Cauchari Centro III	2152-P-2016	10	100	Jujuy	Application
	Cauchari Centro IV	2153-P-2016	10	100	Jujuy	Application
	Cauchari West I	2160-P-2016	1938	100	Jujuy	Application
	Cauchari West II	2161-P-2016	10	100	Jujuy	Application
	Olaroz Centro I	2163-D-2016	35	100	Jujuy	Application
	Olaroz Centro II	2164-D-2016	268	100	Jujuy	Application
	Olaroz Centro III	2165-D-2016	25	100	Jujuy	Application
	Olaroz Centro IV	2166-D-2016	32	100	Jujuy	Application
	Olaroz East I	2167-D-2016	3344	100	Jujuy	Application
	Olaroz East II	2168-D-2016	2072	100	Jujuy	Application
	Olaroz East III	2169-D-2016	3033	100	Jujuy	Application
	Olaroz East IV	2170-D-2016	3034	100	Jujuy	Application
	Olaroz East V	2171-D-2016	3007	100	Jujuy	Application
	PASO AREA					
	Paso I	2135-P-2016	3482	100	Jujuy	Application
	Paso II	2136-P-2016	3196	100	Jujuy	Application
	Paso III	2137-P-2016	2950	100	Jujuy	Application
	Paso IV	2138-P-2016	2985	100	Jujuy	Application
	Paso V	2139-P-2016	3195	100	Jujuy	Application
	Paso VI	2140-P-2016	2210	100	Jujuy	Application
	Paso VII	2141-P-2016	3227	100	Jujuy	Application
	Paso VIII	2142-P-2016	3070	100	Jujuy	Application
	Paso IX	2143-P-2016	3321	100	Jujuy	Application
	Paso X	2144-P-2016	1913	100	Jujuy	Application

REF	TENEMENT NAME	NUMBER	AREA Ha	INTEREST %	PROVINCE	STATUS
	KACHI AREA					
	Kachi Inca	13-D-2016	1273	100	Catamarca	Application
	Kachi Inca I	16-D-2016	3354	100	Catamarca	Application
	Kachi Inca II	17-D-2016	2823	100	Catamarca	Application
	Kachi Inca III	47-M-2016	3354	100	Catamarca	Application
	Kachi Inca IV	46-M-2016	186	100	Catamarca	Application
	Kachi Inca V	45-M-2016	310	100	Catamarca	Application
	Kachi Inca VI	44-M-2016	110	100	Catamarca	Application
	Dona Amparo I	22-D-2016	3000	100	Catamarca	Granted
	Dona Carmen	24-D-2016	873	100	Catamarca	Granted
	Debbie I	21-D-2016	1501	100	Catamarca	Granted
	Divina Victoria I	25-D-2016	1265	100	Catamarca	Granted
	Daniel Armando	23-D-2016	3325	100	Catamarca	Application
	Maria II	14-D-2016	888	100	Catamarca	Granted
	Maria III	15-D-2016	1395	100	Catamarca	Granted
	Morena 1	72-M-2016	3024	100	Catamarca	Application
	Morena 2	73-M-2016	3024	100	Catamarca	Application
	Morena 3	74-M-2016	3024	100	Catamarca	Application
	Morena 6	75-M-2016	1606	100	Catamarca	Application
	Morena 7	76-M-2016	2805	100	Catamarca	Application
	Morena 8	77-M-2016	2961	100	Catamarca	Application
	Morena 12	78-M-2016	2704	100	Catamarca	Application
	Morena 13	79-M-2016	3024	100	Catamarca	Application
	Pampa I	129-S-2013	2312	100	Catamarca	Granted
	Pampa II	128-F-2005	1119	100	Catamarca	Granted
	Pampa III	130-S-2013	477	100	Catamarca	Granted
	56 Leases/Applications		98023 Ha	100% LKE		

REF	TENEMENT NAME	NUMBER	AREA Ha	INTEREST %	PROVINCE	STATUS
	OLAROZ - CAUCHARI & PASO	REAPPLICATION A	AREA			
	MASA 1	2223-M-2016	375	100	Jujuy	Application
	MASA 2	2224-M-2016	363	100	Jujuy	Application
	MASA 3	2225-M-2016	125	100	Jujuy	Application
	MASA 4	2226-M-2016	952	100	Jujuy	Application
	MASA 5	2227-M-2016	1937	100	Jujuy	Application
	MASA 6	2228-M-2016	268	100	Jujuy	Application
	MASA 7	2229-M-2016	2072	100	Jujuy	Application
	MASA 8	2230-M-2016	2950	100	Jujuy	Application
	MASA 9	2231-M-2016	2985	100	Jujuy	Application
	MASA 10	2232-M-2016	2210	100	Jujuy	Application
	MASA 11	2233-M-2016	1913	100	Jujuy	Application
	MASA 12	2234-M-2016	3000	100	Jujuy	Application
	MASA 13	2235-M-2016	3000	100	Jujuy	Application
	MASA 14	2236-M-2016	3000	100	Jujuy	Application
	MASA 15	2237-M-2016	3000	100	Jujuy	Application
	MASA 16	2238-M-2016	3000	100	Jujuy	Application
	MASA 17	2239-M-2016	3000	100	Jujuy	Application
	MASA 18	2240-M-2016	3000	100	Jujuy	Application
	MASA 19	2241-M-2016	3000	100	Jujuy	Application
	MASA 20	2242-M-2016	3000	100	Jujuy	Application
	MASA 21	2243-M-2016	3000	100	Jujuy	Application
	MASA 22	2244-M-2016	2548	100	Jujuy	Application
	MASA 23	2245-M-2016	2406	100	Jujuy	Application
	23 Lease Applications		51104 Ha	100% LKE		

+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, 01/05/13, 01/09/16

Name of entity

LAKE RESOURCES N.L.			
ABN	Quarter ended ("current quarter")		
49 079 471 980	31 Dec 2016		

Cor	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	0	
1.2	Payments for		
	(a) exploration & evaluation	(30)	(30)
	(b) development	0	
	(c) production	0	
	(d) staff costs	(29)	(29)
	(e) administration and corporate costs	(39)	(92)
1.3	Dividends received (see note 3)	0	
1.4	Interest received	0	
1.5	Interest and other costs of finance paid	0	
1.6	Income taxes paid	0	
1.7	Research and development refunds	0	
1.8	Other (provide details if material)	0	
1.9	Net cash from / (used in) operating activities	(88)	(141)

2.	Cash flows from investing activities		
2.1	Payments to acquire:		
	(a) property, plant and equipment	0	
	(b) tenements (see item 10)	(70)	(70)
	(c) investments	0	
	(d) other non-current assets	0	

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (6 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) property, plant and equipment	0	
	(b) tenements (see item 10)	0	
	(c) investments	0	
	(d) other non-current assets	0	
2.3	Cash flows from loans to other entities	0	
2.4	Dividends received (see note 3)	0	
2.5	Other (provide details if material)	0	
2.6	Net cash from / (used in) investing activities	(70)	(70)

3.	Cash flows from financing activities		
3.1	Proceeds from issues of shares	1550	1550
3.2	Proceeds from issue of convertible notes	0	
3.3	Proceeds from exercise of share options	0	
3.4	Transaction costs related to issues of shares, convertible notes or options	(32)	(32)
3.5	Proceeds from borrowings	0	
3.6	Repayment of borrowings	(250)	(250)
3.7	Transaction costs related to loans and borrowings	0	
3.8	Dividends paid	0	
3.9	Other (provide details if material)	0	
3.10	Net cash from / (used in) financing activities	1297	1297

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	21	74
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(88)	(141)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(70)	(70)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	1297	1297
4.5	Effect of movement in exchange rates on cash held	0	0
4.6	Cash and cash equivalents at end of period	1160	1160

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	1160	21
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)	1160	21

6.	Payments to directors of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to these parties included in item 1.2	29
6.2	Aggregate amount of cash flow from loans to these parties included in item 2.3	0
6.3	Include below any explanation necessary to understand the transactio items 6.1 and 6.2	ns included in
	,-	
7.	Payments to related entities of the entity and their associates	Current quarter \$A'000
7.1	Aggregate amount of payments to these parties included in item 1.2	
7.2	Aggregate amount of cash flow from loans to these parties included in item 2.3	
7.3	Include below any explanation necessary to understand the transactio items 7.1 and 7.2	ns included in

8.	Financing facilities available Add notes as necessary for an understanding of the position	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
8.1	Loan facilities	0	0
8.2	Credit standby arrangements		
8.3	Other (please specify)		

8.4 Include below a description of each facility above, including the lender, interest rate and whether it is secured or unsecured. If any additional facilities have been entered into or are proposed to be entered into after quarter end, include details of those facilities as well.

Facility of \$250k in Lith NRG Pty Ltd was repaid after completion of transaction between LKE and Lith NRG Pty Ltd

9.	Estimated cash outflows for next quarter	\$A'000
9.1	Exploration and evaluation	(180)
9.2	Development	0
9.3	Production	0
9.4	Staff costs	(36)
9.5	Administration and corporate costs	(24)
9.6	Other (provide details if material)	0
9.7	Total estimated cash outflows	(240)

10.	Changes in tenements (items 2.1(b) and 2.2(b) above)	Tenement reference and location	Nature of interest	Interest at beginning of quarter	Interest at end of quarter
10.1	Interests in mining tenements and petroleum tenements lapsed, relinquished or reduced	Kachi Area Catamarca Pampa I,II, III	Acquired 100%	0%	100%
10.2	Interests in mining tenements and petroleum tenements acquired or increased				

Compliance statement

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.
	1 A A

Sign here:	121	Date:21 January 2017		
	(Director/Company secretary)			
	Andrew Bursill			
Print name:	/ Indiow Ediom			

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 that wishes to disclose additional information is encouraged to do so, in a note or notes included in or attached to this report.
- 2. If this quarterly 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 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.