Archer Exploration Limited Half Yearly Report and Accounts

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Perth, Australia (ABN Newswire) - Archer Exploration Ltd. (ASX:AXE) announce the Half Yearly Report and Accounts and exploration activities during the six months ended 31 December 2013 focused on exploration of the Group's Campoona Graphite projects, the Bartel Epithermal gold prospect, the Ketchowla manganese deposit and on the Leigh Creek Magnesite deposits. All projects are located in South Australia.

The following summary lists the operational activities for the half-year ended 31 December 2013:

GRAPHITE

Bench scale testing has been largely completed and testing moved on to bulk flotation trails. Flotation testing has delivered the required mass of concentrates to commence initial marketing assessment. A total of 6.6 kilograms averaging 97.5% TGC has been produced to date. Tests have recovered progressively higher grade graphite concentrates with latest results in the high 98 — low 99% TGC range. A further 1.4 kilograms of concentrate is in final stages of re-cleaning.

Chemical cleaning methods for bulk float concentrates or flotation-re-cleaned bulk float concentrates were successfully trialed showing concentrates can now be upgraded in their purity using (HCI + HF) mixes to achieve TC% levels of >99.5%.

Research undertaken by the University of Adelaide produced a wide range of graphene and graphene-related products from raw Campoona graphite and from medium-grade (92% C) graphite concentrates. The research was part of ongoing collaboration between Archer and the University of Adelaide, School of Chemical Engineering (Prof Dusan Losic Nano Research Group).

The key graphene products produced from the Campoona graphite were:

Graphene oxide sheets
Graphene sheets

- Graphene nanosheets with controllable size (20 nm to 1,000 nm)
- Functionalised graphene nanosheets
- Graphene powders
- Graphene films
- Graphene membranes
- Graphene electrodes
- Graphene nanocarriers

Graphene based composites

- Graphene aerogel composites
- Graphene conductive hydrogels
- Graphene/carbon nanotube aerogels
- Graphene magnetic aerogels

Intercalated graphite

Substantial progress has been made on studies to support the Campoona Mining Lease Proposal planned to be submitted to government in Q3 calendar 2014. Studies completed included:

1. Project Stakeholder Engagement Plan.
2. Commenced Community Consultative Committee meetings.
3. Issued the first two periodic Community Newsletters.
4. Hydrogeological desktop baseline assessment.
5. Surface water study.
6. Indigenous and Non-Indigenous Desk-top Cultural Heritage Survey.

GOLD

At Cleve on Eyre Peninsula, detailed field mapping was completed over the Bartel epithermal gold prospect. The mapping recorded significant extensions to the prospective alteration and breccias zones which now extend for several kilometres. Previous work revealed free gold in a petrological sample of highly altered brecciated calcareous rock. Previous drilling at Bartel recorded highly anomalous gold in EPIRC12_001 which recorded 29m @ 0.57g/t Au from 79m.

Follow-up drilling is planned for January 2014.

MANGANESE

Archer has been in preliminary discussions with an interested third party in relation to establishing a joint venture over the Ketchowla manganese deposit. Negotiations are set to resume in February 2014.

MAGNESITE

A third party has sought the Warden's approval to peg and apply for registration of new mineral claims over the Mt Hutton portion of Archer's greater Leigh Creek magnesite deposits for the purpose of extracting dolomite. The matter came before the Warden on 14th January 2014 who has set the initial hearing date as 12th February 2014. Archer will vigorously defend its mineral rights.

To view the full financial report, please visit:
http://media.abnnewswire.net/media/en/docs/ASX-AXE-780933.pdf

About Archer Exploration Limited:

Archer Exploration Ltd. (ASX:AXE) is a graphite, magnesite, copper, gold and manganese explorer focused on the discovery of world-class ore deposits.

The company has carefully acquired a portfolio of projects, covering an area in excess of 5300 km2, in the highly prospective Gawler Craton and Adelaide Fold Belt regions of South Australia. All projects are 100% owned by the Company.

Archer also has earned the right to 100% of minerals other than uranium on EL4693 Wildhorse Plain located near Cleve on Eyre Peninsula.

The Company's flagship Campoona and Sugarloaf graphite deposits occur in the Cleve district where the Company has tenure of 933km2 in the emerging graphite province.

Archer Exploration Ltd. has an experienced board and management team and has the ability to maximise the potential of the company's world-class projects.

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