

13 May 2013

ASX ANNOUNCEMENT

PHASE 1 DRILLING COMPLETED AT LAS LEÑAS EPITHERMAL GOLD QUARTZ REEF SYSTEM

Seven diamond drill-holes completed for 650m, targeting epithermal gold in quartz reef systems and recently-discovered porphyry style mineralisation

HIGHLIGHTS

- Program tests central part of anomalous 500+m zone averaging >0.8g/t Au and >4g/t Ag
- Holes LLDH1 to LLDH6 test Anita vein, Anita East and Footwall reefs over 120m strike.
- Hole LLDH7 tests recently-discovered porphyry-style zone indicated by IP/RES geophysics
- Successful intersections in two main quartz reefs, hydrothermal breccia and highly-silicified footwall.
- Brecciated porphyry and highly-sulphidic shale corresponds with high-chargeability geophysics.
- Assay results expected end of May 2013

Argentina Mining Limited (**Argentina Mining** or the **Company**) (**ASX: AVK**) is pleased to announce the successful completion on 9 May 2013 of Phase 1 diamond core drilling at the Company's Las Leñas epithermal gold-silver prospect, part of the Company's San Francisco Project in San Juan Province in Argentina. The program was commenced on 29 April 2013, following completion of an IP/RES geophysical survey on 15 April 2013 and interpretation of results to assist drill site selection.

The program entailed seven diamond drill holes designated LLDH1 to LLDH7 for a total advance of 650m, with holes ranging in depth from 60m to 160m. All holes achieved their objectives of intersecting the main Anita and Anita East quartz reefs and at least two holes intersected non-outcropping ("blind") porphyry interpreted from the geophysics. The Company's surface rock-chip sampling and trenching have shown to carry potentially economic gold-silver mineralization, and a highly-silicified stock-work and brecciated footwall zone. Best results from the December 2012 sampling program were:

- **3m @ 2.53g/t Au & 10.2g/t Ag**
- **3m @ 2.52g/t Au & 7.8g/t Ag**
- **3m @ 1.54g/t Au & 5.3g/t Ag**
- **3m @ 1.36g/t Au & 9.7g/t Ag**
- **3m @ 1.19g/t Au & 3.0g/t Ag**
- **Including an additional contained 3m @ 1.11g/t Au & 9.5g/t Ag, the resulting 6 samples yield a continuous run of 18m @ 1.71g/t Au & 7.58 g/t Ag.**

Core is currently being logged and cut and samples are being delivered to the laboratory, with analytical results expected by late May 2013.

----- END -----

Company Contacts:

Eduardo Videla – Managing Director
Doug Bright – Chairman
Email: info@argentinamining.com.au

+54 (264) 427 8583

+61 (8) 9204 2433



Figure 1 – Hole LLDH_1 core sample at 9.20m showing extensive sulphides in vuggy quartz vein

Competent Person Statement

The information in this report relating to Exploration Results is based on information compiled by Mr Doug Bright, a Member of the Australasian Institute of Mining and Metallurgy and a Director of and geological consultant to Argentina Mining Limited. Mr Bright has sufficient experience relevant to the style of mineralisation and type of deposits 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 Bright consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.