

Lithium South Completes 400 Meter Pumping Well at Alba Sabrina

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VANCOUVER, March 14, 2024 - [Lithium South Development Corp.](#) (the "Company") (TSX-V: LIS) (OTCQB: LISMF) (FOM: LSO) (OGPQ) Lithium South Development is pleased to announce the completion of the first pumping well at the 2,089-hectare Alba Sabrina claim block located in Salta Province, Argentina. The Alba Sabrina claim is the largest of the five, salar located claim blocks which total 3,287-hectares of the 5,687-hectare Hombre Muerto North Lithium Project (HMN Lithium Project) in Salta Province. Pumping well PW23-AS-02 has been completed to 400 meters of depth and has encountered sand layers as the dominant lithology throughout. PW23 AS-02 has been piped and graveled in preparation for long term pumping tests, with a screen length of 100 meters.

State-of-the-art down the hole geophysics has been completed by Zelandez (Salta, Argentina), a provider of specialized geophysical and brine technology. A profile of the well was completed and provides valuable insight into the hole potential. Test work completed by Zelandez includes the measurement of conductivity and temperature of well fluid, well caliber measurement, resistivity measurement, radioactivity measurement, ultrasonic wave measurement and nuclear magnetic resonance of sediment.

Based on this test work, total porosity averaged 21% ranging from 1% to 45%. The Specific Yield throughout the profile averaged 7%, with maximum values of up to 33%. Based on this information, the technical team plans to install a high-capacity pump capable of extracting brine at a rate of between 40 and 50 liters per second. Hole PW23-AS02 is in a key location and is expected to provide substantial brine for production throughout.

"We are excited to announce the successful drill completion of pumping well PW23-AS-02 to 400 meters of depth," stated Adrian F. C. Hobkirk, CEO at Lithium South Development. "The geophysical profile conducted by Zelandez confirms the exceptional potential of this hole location. Once the high-capacity pump test is complete, the Company is poised to capitalize on the potential of the Alba Sabrina block."

The technical and scientific information in this press release was reviewed and approved by Mr. William Feyerabend, C.Eng., consulting geologist, and a Qualified Person under National Instrument 43-101, who also participated in its production.

About Lithium South

Lithium South owns 100% of the HMN Lithium Project located in Salta and Catamarca Provinces, Argentina, in the heart of the lithium triangle. The Salar del Hombre Muerto has a history of lithium production, with Arcadium Lithium (Alkema and Lithium Americas merger) in operation for over twenty-five years, in an area just south of the HMN Lithium Project. The HMN Lithium Project is surrounded by a US\$4 billion lithium development under construction by POSCO (Korea) and the Sal de Vida Project under development by Arcadium. Exploration work to date has delineated a National Instrument 43-101 compliant 1,583,200 tonnes of Lithium Carbonate Equivalent ("LCE") Resource on the Alba Sabrina, Natalia Maria, and Tramo claim blocks, three of five non-contiguous blocks that make up the HMN Lithium Project. A recent Preliminary Economic Assessment announced on March 04, 2024, delineates the exciting potential of the 15,600 tonne per year lithium carbonate project. With pumping well installation underway, Lithium South is transitioning from being a lithium explorer to becoming a lithium developer.

On behalf of the Board of Directors

Adrian F. C. Hobkirk
President and Chief Executive Officer
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