



MIDLAND AND SPHINX COMMENCE FIRST DRILLING PROGRAM ON THE SAMSON NI-CU-PGE PROJECT SOUTH OF BALMORAL'S GRASSET DISCOVERY

Montreal, February 24, 2015. **Midland Exploration Inc.** ("Midland") (TSX-V: MD), in partnership with Sphinx Resources Ltd ("**Sphinx**"), is pleased to announce the start of the initial diamond drilling program on the Samson Project which is focused on the discovery of nickel-copper-platinum group element ("Ni-Cu-PGE") and gold mineralization. In addition to this drilling program on Samson, Midland has also three other drilling programs currently underway on Casault and Jouvex with SOQUEM Inc. (3 drill rigs) and on Patris with Teck Resources Ltd (1 drill rig).

The Samson project consists of 512 claims covering an area of about 284 square kilometres located approximately 50 kilometres west of the town of Matagami, in the Abitibi region of central Quebec. This new project has a strong potential for Ni-Cu-PGE and gold mineralization and is located about 5 kilometres south of the recent Ni-Cu-PGE and gold discoveries made by Balmoral Resources Ltd. ("Balmoral") on the Grasset project. Recently, Balmoral announced the discovery of a high-grade Ni-Cu-PGE zone, with values up to 1.79% Ni, 0.19% Cu, 0.42 g/t Pt, and 1.04 g/t Pd over 45.28 metres including an interval grading 10.6% Ni, 0.45% Cu, 2.04 g/t Pt, and 5.23 g/t Pd over 1.10 metre and 1.62% Ni, 0.18% Cu, 0.36 g/t Pt and 0.88 g/t Pd over 54.08 metres (*see press releases by Balmoral dated May 20, 2014 and August 18, 2014*). The discovery is hosted in ultramafic rocks. Midland's Qualified Person has not verified the information on the Grasset project and the information is not necessarily indicative of the mineralization on the Samson project.

During the month of December 2014, ground-based electromagnetic TDEM-ARMIT surveys were completed on six grids totalling approximately 60 line kilometres. The surveys verified the presence of several historic and coincident magnetic and EM responses identified during a MegaTEM airborne electromagnetic survey completed by Noranda Inc. in 2004.

Following the interpretation of the ground TDEM-ARMIT surveys, several conductors located along the margins of strong magnetic signatures caused by ultramafic intrusions were selected for follow-up drill-testing. The drilling program has just commenced and will consist in a minimum of six (6) drill holes totalling 1,500 metres.

This project covers an untested sequence of strongly magnetic intrusions over a strike length in excess of 20 km. The intrusions are located just south of the regional Lower Detour Fault, also known for its gold potential. Lithochemical data from the few historical drill holes indicate the presence of ultramafic intrusions, thus confirming the potential for magmatic Ni-Cu-PGE mineralization on the Samson project.

Maps showing the location of the Samson project can be consulted using the following link:
http://media3.marketwire.com/docs/Samson_Sphinx_Fev_2015.pdf

About Midland

Midland targets the excellent mineral potential of Quebec to make the discovery of new world-class deposits of gold, PGE, base metals and rare earth elements. Midland is proud to count on reputable partners such as Sphinx Resources Limited, Teck Resources Limited, Agnico Eagle Mines Limited, SOQUEM Inc., Japan Oil, Gas and Metals National Corporation and Maudore Minerals Limited. Midland prefers to work in partnership and intends to quickly conclude additional agreements in

regard to newly acquired properties. Management is currently reviewing other opportunities and projects to build up the Company portfolio and generate shareholder value.

This press release was prepared by Mario Masson, VP Exploration and Qualified Person as defined by NI 43-101. For further information, please consult Midland's website or contact:

Gino Roger, President and Chief Executive Officer

Tel: 450 420-5977

Fax: 450 420-5978

E-mail: info@midlandexploration.com

Website: www.midlandexploration.com

Neither TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

This press release may contain forward-looking statements that are subject to known and unknown risks and uncertainties that could cause actual results to vary materially from targeted results. Such risks and uncertainties include those described in Midland's periodic reports including the annual report or in the filings made by Midland from time to time with securities regulatory authorities.