



DEEP | EARTH | ENERGY | PRODUCTION

May 9, 2019

DEEP SUCCESSFULLY SECURES MINERAL RIGHTS FOR BRINES & IS COMMENCING WITH SPRING/SUMMER TESTING AND DRILLING PROGRAM

DEEP Earth Energy Production Corp. (the “**Corporation**” or “**DEEP**”) is pleased to announce that it has successfully acquired mineral rights in a Saskatchewan Subsurface Mineral Crown Disposition Public Offering. DEEP posted and acquired a single subsurface block totalling 1,553 hectares. The permit block is located along the Saskatchewan-North Dakota border, approximately 30 kilometres southwest of Estevan, in an area that is prospective for brine minerals such as lithium. The permit block encompasses DEEP’s geothermal well completed in December 2018.

Drill stem test (DST) results on the initial well were positive, indicating reservoir brine transmissivity that exceeds the minimum threshold for project feasibility. To acquire additional detailed reservoir characterization flow data, a comprehensive 15 day (1,500 m³) flow and build up test is planned for June. The well fluids will be monitored and produced into a tank farm, with those fluids then reinjected back into the well as part of an injectivity test program. A specialized geochemical fluid evaluation program will also be conducted. The results of that test work will be instrumental in the final design of the subsequent geothermal well which is planned to commence immediately afterwards. This second well will complete the planned two well production and injection well doublet to enable a long term (30 – 60 day) flow testing program of the geothermal resource.

DEEP’s initial well is the deepest in Saskatchewan, measuring 3,530 metres in depth. The well included the retrieval of 212.6 metres of core across the targeted reservoir. The core captured the Winnipeg and Deadwood Formations and terminated in the Precambrian bedrock. Detailed geotechnical core analysis is underway on 75 samples. This core data will tie into specialized geophysical data including detailed micro-image log of the reservoir rocks recorded inside the well.

A Federal announcement was made in January for \$25.6M of funding through Natural Resources Canada to provide approximately 50% total project funding for the first five-megawatt power facility, targeted for construction completion in early 2022.

Or, for more information, please visit DEEP’s website at www.deepcorp.ca or contact:

President & CEO, Kirsten Marcia: (306) 261-6979, kmarcia@deepcorp.ca

[Future Oriented Financial Information Disclaimer:](#)

Some of the statements in this shareholder update may be forward-looking statements or statements of future expectations based on currently available information. Such statements are naturally subject to risks and uncertainties. Factors such as the development of general economic conditions, future market conditions, unusual catastrophic loss events, changes in the capital markets and other circumstances may cause the actual events or results to be materially different from those anticipated by such statements. DEEP, including its directors or officers, do not make any representation or warranty, express or implied, as to the accuracy, completeness or updated status of such statements. Therefore, in no case whatsoever will Deep or its directors or officers be liable to anyone for any decision made or action taken in conjunction with the information and/or statements in this update or for any related damages. You should consult your professional advisors before deciding to make an investment decision in DEEP.