



DEEP | EARTH | ENERGY | PRODUCTION

January 11, 2019

## **DEEP SUCCESSFULLY COMPLETES FIRST GEOTHERMAL TEST WELL**

DEEP Earth Energy Production Corp. (the “**Corporation**” or “**DEEP**”) is pleased to announce the successful drilling of its first geothermal test well. The vertical well, managed by Frontier Project Solutions and drilled by Horizon Drilling, reached its target total depth of 3,530 metres on December 16, 2018. This is the deepest well ever drilled in Saskatchewan’s history.

“This is a major step forward for the first renewable energy project of its kind in Canada,” said **Kirsten Marcia, President and CEO of DEEP**. “Successfully drilling and validating the resource potential is the biggest achievement this project has seen to date.”

With the support of its geological and reservoir engineering teams, RESPEC and Force Reservoir Management, the company successfully acquired preliminary data to facilitate assessment of the geothermal reservoir. Open hole logging tools indicate bottom-hole temperatures exceeding 125 degrees Celsius. Drill stem test (DST) results were positive, indicating reservoir pressure and permeability that exceeds the minimum threshold for project feasibility. DEEP is proud to report that drilling operations were completed with no safety or environmental incidents. The well was completed with a slotted production liner, in preparation for the second phase of the pilot project which includes a production flow and build up test this spring.

Over 200 metres of core were recovered across the targeted reservoir, including the Winnipeg and Deadwood Formations and terminating in the Precambrian bedrock. Detailed geotechnical core analysis will be conducted in the near term. This core data will tie into specialized geophysical data including detailed micro-images of the reservoir rocks captured inside the well.

The next steps for the project include the drilling and coring of a Mannville injection well on the same location before spring. During production testing operations, produced brine from the source well will be injected and disposed into the injection well, enabling a production/injection doublet. Further geothermal parameters including corroboration of the initial DST data with confirmation of pressure, temperature and reservoir permeability will be acquired during this next step which includes a longer term (30 day) injection and production flow and build up test.

DEEP is grateful to the Government of Canada, SaskPower, Innovation Saskatchewan and all DEEP investors for supporting the first geothermal power project in the country.

**Images, video and more information, can be found in DEEP’s media kit on Dropbox.**  
[https://www.dropbox.com/sh/ndnmip4q2i5eher/AADLT7a3f\\_BZLWDtP9eSptkaa?dl=0](https://www.dropbox.com/sh/ndnmip4q2i5eher/AADLT7a3f_BZLWDtP9eSptkaa?dl=0)

**Or, for more information, please visit DEEP’s website at [www.deepcorp.ca](http://www.deepcorp.ca) or contact:**

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

Public Relations & Media, Cynthia Block: (306) 230-8262, [cynthia@blockcommunications.ca](mailto:cynthia@blockcommunications.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.