



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

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

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