

SUPERWELL - A SIMPLE WELL BORE FLOW SIMULATOR IN SPREADSHEET FORMAT

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ABSTRACT

Well testing is a key tool for the initial measurement and ongoing monitoring of well properties. When well testing is coupled with accurate well bore flow simulation, we can gain valuable information about well and reservoir properties. Furthermore, we can use this information to maintain the health of our reservoirs and wells. We can also improve and optimize well and reservoir productivity, providing significant return on our geothermal investments. There is a need for a high quality, low cost, and reliable well bore flow simulator that is easy-to-use, simple, and tuned to geothermal wells. This report outlines the specification, development and testing of a simulator that solves geothermal problems.