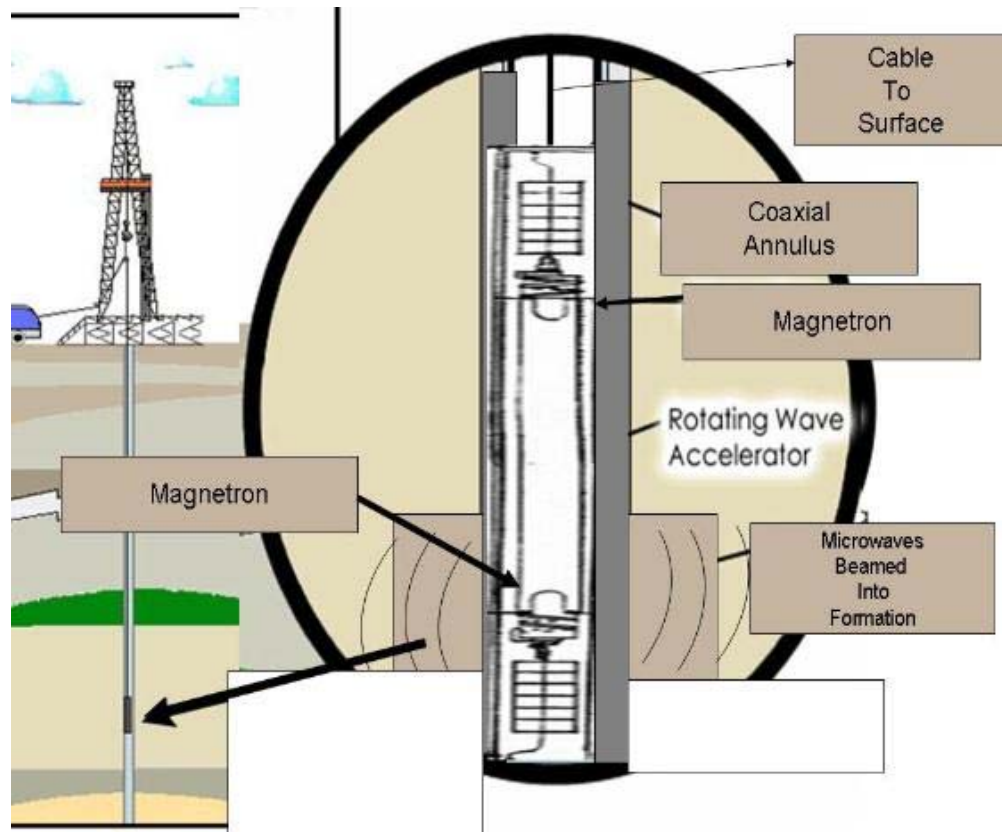


HEAVY OIL



HEAVY OIL PRODUCTION WITH MICROWAVES

A practical downhole microwave tool and method of radiating the microwaves into a formation has been developed and initial experiments carried out. (Patent Pending). This tool is illustrated above. Unlike previous microwave concepts, small magnetrons are located in the tool. Proprietary techniques are used to make the tool small, just 2 and 7/8" in diameter, consistent with production tubing dimensions. The tool is built into an upset of production tubing in order to make up into the tubing string with normal production techniques.

By radiation, the energy can be deposited in the formation much farther away from the well than techniques such as resistance heating that depend on thermal conduction.

SPONSOR DESIRED

Eastlund Scientific Enterprises has a patent pending on this innovation and is looking for a corporate sponsor in the oil industry.

[HOME](#)