



Rocky Mountain  
Oilfield Testing  
CENTER

## DOWN-HOLE CAMERA

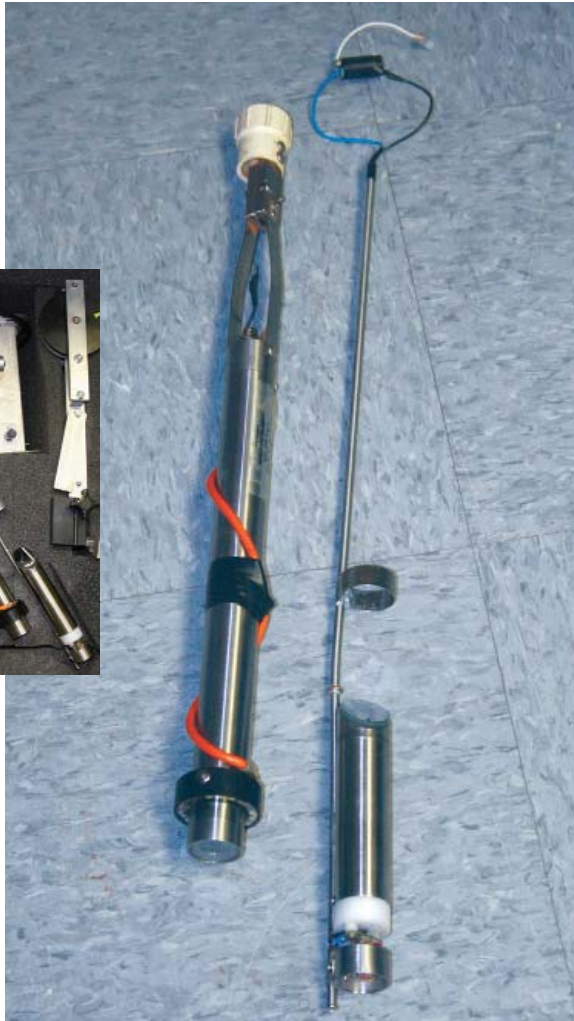
### Objective

While today's technology allows for more capability than ever, seeing is still better than believing. And that's where video cameras come in handy. A down-hole video camera is one of the latest advances offered at the Rocky Mountain Oilfield Testing Center (RMOTC). The camera is primarily used to verify test results, as well as to diagnose problems in well casing. But the down-hole camera also serves as a unique marketing tool for RMOTC and its clients.

### Background

Based on RMOTC field experience, the full-color camera has produced videos superior to those created by commercial services that typically charge \$10,000 per run.

(Right) The camera is equipped with nine LED lights to illuminate the hole. An optional mirror attachment can be used to record side views. (Below) The camera kit includes an electric winch with about 1,600 feet of wire used to lower the camera down the hole.



(Above) The camera reveals several slots cut in well casing during a RMOTC test project.

Some of the camera runs are truly remarkable; down-hole features can be clearly seen, including casing walls, whipstock, and milled openings in the casing wall. RMOTC can select candidate wells in the field and shoot footage of collapsed casing, stuck tubing, and various other down-hole scenarios. The camera is equipped with a ring of nine LED lights to illuminate the hole and is sent down the hole from a winch with about 1,600 feet of wire. The camera view is watched through a small digital monitor and recorded for later viewing and analysis.

### Experience

In October 2006, Blast Energy Services Inc., based in Houston, signed a Cooperative Research and Development Agreement (CRADA) with the Department of Energy to test and evaluate Blast's abrasive fluid jetting capabilities. The technology is designed to cut holes, slots, and windows in existing well casing and drill horizontal holes out from the existing wells. The ability to view the results of the test plan was important to Blast. "The use of the down-hole camera was an invaluable resource," said David Adams, Blast president and co-CEO.

### Contact

For more information about these opportunities or to discuss your testing needs, contact RMOTC toll free at 888.599.2200, or visit our website at [www.rmotc.com](http://www.rmotc.com).



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