

# CaseStudy



Distribution Systems

Gas Pipeline Plugging / Terminal in Japeri, Rio de Janeiro

T.D. Williamson do Brasil Ltda. / South America

Hot Tapping and STOPPLE®

2008

[www.tdwilliamson.com](http://www.tdwilliamson.com)

Call for more information:

**918-447-5100**



Special plugging head used due to pipeline's pressure capacity of up to 70 bar.



Line stops remain in place for 7 days with uninterrupted service to southwest region of Rio de Janeiro state.

## CUSTOMER SITUATION:

A gas compression station in the state of Rio de Janeiro supplies natural gas to Volta Redonda, a municipality of 232,287 inhabitants in the Southwest region by transporting 5,400,000m<sup>3</sup> of gas per day. Due to humidity in the pipeline's surrounding area, the gas condensed in the line. The customer's objective was to reduce gas condensation. The station's launcher and receiver were to be moved to a new line, built for compressing gas. The gas in the existing line had to be diverted in order to allow the change over. During the terminal's connection to the capital's main refinery and São Paulo, production could not be shut down.

## TDW SOLUTION:

Hot Tapping and STOPPLE® equipment was used for plugging the pipeline near the launcher and receiver and diverted gas flow through a bypass. Special plugging heads were used due to the pipeline's pressure capacity – up to 70 bar. By performing two separate plugging operations (one section at a time) TDW Brazil was able to guarantee the isolation of the launcher and receiver, allowing the lines to be moved and connected. The line stops remained in place for 7 days each, after which plugging heads were removed.

## CUSTOMER BENEFIT:

TDW technology allowed the customer to divert flow to new lines and perform the compression without shut down. This procedure represented product improvement, which in turn maximized gas consumption.



**T.D. Williamson, Inc.**  
Pipeline Performance™