

# DCMS™ DOWNHOLE CORROSION MONITORING SYSTEM

## ENSURE THE EFFECTIVENESS OF DOWNHOLE CORROSION INHIBITOR TREATMENTS WITH THE NEWLY RE-DESIGNED DCMS™ DOWNHOLE CORROSION MONITORING SYSTEM

The life of a production well is based on many factors. With proper monitoring and maintenance, the integrity of the well, especially the downhole tubing is vital for safety, environmental, and economical reasons. Production wells typically contain water, carbon dioxide, and hydrogen sulphide. This combination of elements along with varying temperatures, creates an extremely corrosive environment, subjecting the downhole tubing to corrosion damage including metal loss and pitting.

### Establish Effectiveness of Corrosion Inhibitor Treatments

Corrosion inhibitors are a cost-effective means of controlling corrosion in the downhole tubing of existing wells when properly tested and monitored. The DCMS Tool is the only tool that provides corrosion rate data from within hostile downhole environments and is used to test the efficacy of downhole corrosion inhibitor treatments.

### Robust Design for Extreme Well Conditions

With the DCMS tool body made of highly corrosion resistant 17-4 PH stainless steel, it is designed to withstand temperatures up to 302°F (150°C) and pressures up to 10,000 psi.

### Continuous Corrosion History

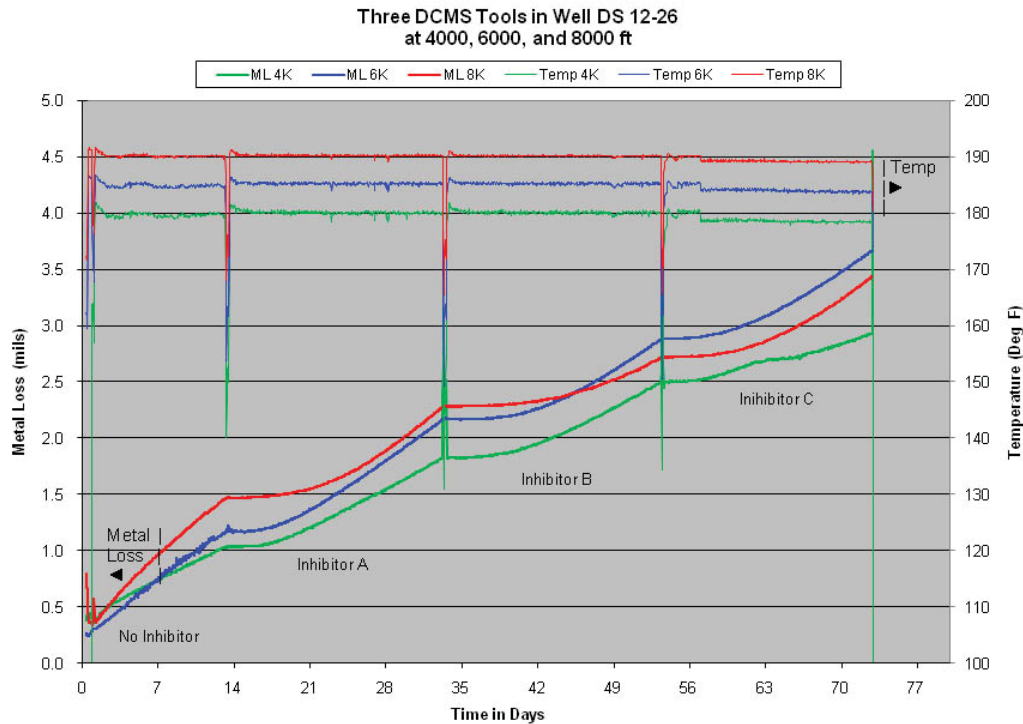
The DCMS tool is a tubular electronic instrument that uses a Corrosometer® electrical resistance probe element to determine the rate of metal loss within the downhole tubing. The DCMS tool automatically reads and records the corrosion probe at regular user defined intervals. Upon retrieval of the DCMS tool the corrosion rate history is downloaded to a PC using Corrdata II Software.

### Enhanced Battery Life

The newly re-designed DCMS Tool has a battery life of 90 days with measurement settings at 2 hour intervals. This time span allows for more than a sufficient amount of corrosion rate data and testing period to evaluate the effectiveness of corrosion inhibitor treatments of downhole tubing.



DCMS Downhole Tool



Downhole Corrosion and Temperature Data shown for three separate DCMS probes set at different depths in the downhole tubing.

## Key benefits of the DCMS Downhole Corrosion Monitoring System:

- Recorded Corrosion Rate and Temperature Data
- Establishes Effectiveness of Corrosion Inhibitor Treatments
- Rated to 10,000 psi and 302 °F (150 °C)
- Single or Multiple Tools Set at any Depth
- Improved Battery life of 90 Days
- Available for Purchase or Rental

For more information on the DCMS Downhole Corrosion Monitoring System or other Corrosion Monitoring products or services please contact us or visit our website at [www.cosasco.com](http://www.cosasco.com).



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