

## MS8 Seal Gauge with PulsePlus

Oil & Gas

### Customer:

PEMEX, Mexico's State-Owned Petroleum Company.

### Location:

Offshore oil rig in the Abkatun-Pol-Chuc oil field near Villahermosa, Mexico.

### Background:

Villahermosa is the center of Mexico's oil and gas activities. Nearly all of the oil and more than 90 percent of the natural gas is produced within a 200 km radius of the city.

### Problem:

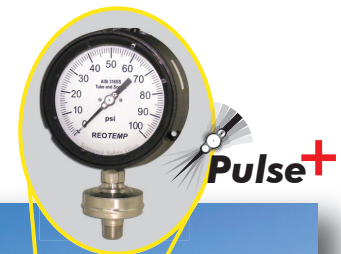
A competitor's pulse resistant pressure gauges were failing between 2 and 8 months after their installation. These gauges were installed on pumps and compressors, which were exposed to a harsh offshore environment of: high vibration, intense pulsation, and corrosive sour gas. Continuous replacements were needed, which increased maintenance costs, downtime, and frustration for PEMEX operators and instrument technicians. To make matters worse, the lead time for replacement gauges was 6 weeks!

#### Application Challenges

- High Vibration
- Intense Pulsation
- Corrosive sour gas

### Solution:

After meeting with PEMEX engineers, REOTEMP took on the challenge of providing a product that would withstand the intense pulsation of the rig for at least 12 months. In April of 2009, REOTEMP's MS8 Seal Gauge with *PulsePlus* was installed and after 18 months of service was still working reliably. In areas where the MS8 came into direct contact with the sour gas, hastelloy C-276 wetted parts (NACE MR0175) were recommended. The MS8 carries a 1 year limited warranty and has a 1 week lead time!\*



REOTEMP vs. Competition: Performance evaluation for Abkatun-Pol-Chuc Rig

	Product Lifetime	Lead Time
REOTEMP's MS8 Seal Gauge	18+ months	1 week
Competitor's pulsation resistant gauge	2-8 months	6 weeks

\*Contact factory for full warranty information.

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