MUD PUMPS

PRODUCT: Model 3200 Intrinsically Safe

APPLICATION DETAILS:

The customer designs pumps used on offshore and on land rigs around the world, providing oil and gas drilling contractors with a high-performance *mud* pump. A mud pump is used to circulate drilling fluid, known as *mud*, under high pressure while drilling a new oil well. Within the pump, a sensor is utilized to monitor farm pipe hammering within the mud pump system at the bottom of the oil wells to provide feedback to the drilling operator.

SETRA STRENGTHS

- ±0.5% FS Accuracy
- Intrinsically Safe Sensor
- ATEX/IECEx Certified & CSA Rated
- Small Footprint
- Fast Response Time

CUSTOMER PROBLEM:

Explosive gases in well cause safety and performance issues

The customer designed a new line of *mud* pumps and needed a sensor capable of measuring high pressure with a fast response time. The well itself is highly flammable and if a sensor causes a spark it can pose large safety risks to personnel and equipment. The customer needs a sensor that is rugged enough to withstand the harsh conditions of an oil well, along with a quick response time.

SETRA SOLUTION:

Setra was able to provide the customer with an intrinsically safe pressure transducer that can handle heavy duty applications, including mud pumps. The Model 3200 intrinsically safe sensor offers top of the line performance, where high accuracy and long term stability comes standard. The pressure transducer is all welded stainless steel construction, which comes with an IP67 seal for protection in oil well drilling applications.

WHY SETRA WON:

Provided rugged IS sensor to withstand harsh environment

The Model 3200 intrinsically safe sensor's unrivaled quality provided the customer with a complete sensor solution to the intensive conditions within a well. Setra gave the customer confidence that their *mud* pumps will have minimal downtime through the sensor's long-term stability and low failure rate.

159 Swanson Rd. Boxborough, MA 01719
T: 800.257.3872 || F: 978.264.0292
www.setra.com