



RigSense™ Kick Monitoring Display

Enhances safety by effectively notifying the rig crew of potential kick events and other well-control issues

The RigSense kick monitoring display system provides a precise overview of surface and downhole conditions, enabling rig personnel to make accurate and informed decisions when responding to a kick or fluid loss situation.

As part of NOV's RigSense information system, the kick monitoring display feature improves monitoring efficiency by reducing the amount of information required to detect a kick and grouping the data for faster notification of potentially hazardous situations. Using a combination of specialized charting screens and customizable alarm settings, you can easily visualize data and quickly identify well-control issues that would otherwise go undetected.

If a potential kick is identified, the kick monitoring display system will trigger a RigSense systemwide global alarm—designed with distinct visual and audio characteristics that separate it from all other RigSense alarms—and generate a notification dialog that provides rig personnel with information relevant to the well-control event. Global alarms are also logged for record keeping and future analysis of the event.

Since rig personnel are constantly tending to a wide range of on-site operations, a missed indicator of potentially hazardous conditions could jeopardize equipment uptime. Our kick monitoring display system helps mitigate the chance of a missed indicator and is a “must-have” for operations where well-control issues are likely. The dedicated kick monitor display, global alarm capabilities, and early detection system will ensure that crews have the best information available to safely manage operations.

Features and Benefits

Monitor for potential well-control issues

- Provides rig crew with an intuitive and instant trend overview indicating a potential kick

Quick, accurate identification of kick events

- Enables fast, well-informed decisions to avoid hazardous situations

Global alarms triggered by changes in user-defined areas

- Warns rig personnel of well-control issues related to:
 - Mud gains and losses
 - Mud returns with pumps shut off
 - Increases in mud returns while drilling