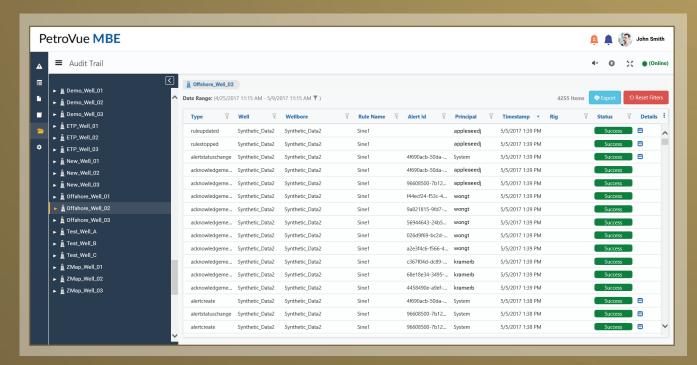# MBE – Manage-By-Exception System

Keeping Track of the Changes

- An un-editable audit trail tracks all system and user actions.
- Each alert is tagged with a unique id number to aid identification.
- To aid in audit trail analysis, the audit trail may be exported to an external Excel spread sheet or database.

The audit trail tracks the action of each alert, well, wellbore and acknowledgement

About Petrolink

Petrolink provides wellsite data management, real-time data solutions, engineering analytics and drilling optimization services to the upstream oil and gas industry worldwide. Petrolink offers unmatched security and an independent neutral link across the oilfield, data sources, disciplines and partners to enhance drilling operations' efficiency and safety.

MBE – Manage-By-Exception System

Alerts you need, when and where you need them

Operators have numerous wells that need to be monitored at all times. Paying attention to each screen and which items are most important to resolve can be unmanageable. The result is alert overload.

The MBE system is the next generation alerting application designed to increase the user's effectiveness by prioritizing the alerts received. The system allows the user to set-up rules to constantly monitor a specified condition, and then permits the user to select and prioritize the resulting alerts they wish to receive, reducing alert overload.

Paying attention to what's truly important

MBE constantly monitors the condition of the rule and then raises only the resulting priority alert to exactly the right person, relieving alert overload and ensuring people are paying attention to only what's really important.

- Alerts are distributed to all global users, are viewable to online users and sent via email and SMS text to out-of-office personnel.
- An alert activity stream brings the mission critical and related drilling conditions, front and center improving the user's situational awareness.
- MBE generates notifications on predictive alerts and events and includes a display link providing detailed analysis.
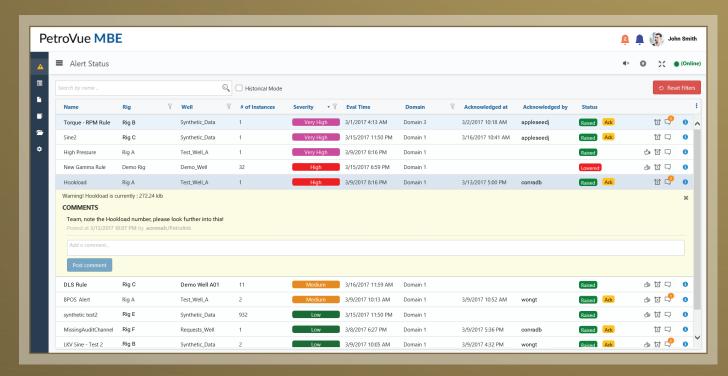
The alert activity stream helps the user work smarter

MBE – Manage-By-Exception System

⬡ Globally Versatile

Built to provide critical alerting information to globally located users, MBE conducts condition monitoring of rig operations and drill string sensor data once it arrives at the point of aggregation.

- ◎ The MBE system is a cloud-based application allowing access to any global user with internet and the right permission.
- ◎ Provides near-instantaneous notification of alerts to the rig, Real-Time Operations Center – RTOC, and back office personnel.
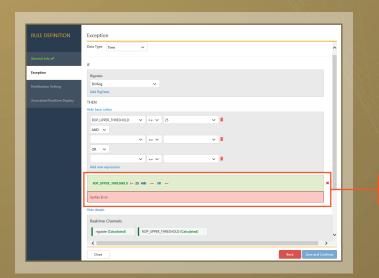

In addition to recording an acknowledgement, comments may be added to make note of specific conditions and to advise the global team

⬡ State-of-the-Art Technology

Combines proprietary software, WITSML and the first ever deployment of the advanced Energistics Transfer Protocol – ETP.

- ◎ Implements HTML5 for a wider compatibility between browsers and devices.
- ◎ The constant data stream of ETP results in a lower bandwidth allocation providing near instant access to drilling performance and downhole data.

Rule creation includes an expression inspector

⬡ Rule Creation Made Easy

- ◎ Rules may be created in advance without a well or wellbore assignment. This allows the user to create and test the rules in advance, saving time and improving accuracy once drilling commences.
- ◎ MBE includes a Develop-Once-Use-Many strategy to rule creation by adding the ability to assign a rule to any number of wells and wellbores.
- ◎ Considering that some formulas may contain proprietary intellectual property, the MBE system enables the rules to be shared without divulging the formula behind the rule.
- ◎ This allows the system to compartmentalize the proprietary data while delegating the workload.