Baker Hughes

JobMaster treatment monitoring and analysis system

Real-time control while protecting against undesired outcomes

Baker Hughes strives to maintain a steady, real-time control over the parameters of its oilfield service operations, offering time, cost, and safety advantages for our customers. The Baker Hughes **JobMaster™ software program** processes, records, and displays the job information in real time, using sophisticated software.

This software enables data acquisition, job monitoring, and display/data transmission, allowing us to maintain precise control over the job. As an integral part of our service package, the JobMaster system helps align treatment plans with actual job conditions, ensuring that pressures and other important equipment and safety parameters do not exceed operating limits.

The JobMaster software program allows the user to have control over multiple functions including treatment volumes, densities, and stepping/ramping schedules, as well as multiple-stage fluid and proppant schedules. JobMaster also enables control

of parameters before and during treatments, and provides automatic calculation of stage volumes, downhole rates, gas rates, foam quality, and other crucial fracturing parameters.

Visual alarms are set to notify the user when the job parameters exceed specified limits, and an automatic shutdown notification is sent in the case of overpressure and other critical conditions. Users are able to monitor their jobs remotely over cable, wireless, the Internet, or private VSAT satellite (which is available only in countries that permit data transmission).

The software allows direct communication with Baker Hughes instrumentation and third-party devices using generic serial data, WITS Level 0, Modbus, and TCP/IP.

For more information on the JobMaster software program, contact your local Baker Hughes representative or visit BakerHughes.com.

Applications

- Cementing and stimulation operations on land and offshore
- Workover operations

Benefits

- Processes, records, and displays relevant parameters in real time
- Provides direct communication with instrumentation and third-party devices
- Delivers customized displays on multiple monitors
- Enables global communication and collaboration
- Allows user control over treatment volumes, densities, and stepping/ramping schedules
- Adjusts parameters before and during treatments
- Enables monitoring of complex, multiple-zone or multiple-stage treatments with different staging tools
- Provides visual alarms when parameters exceed specified limits
- Exports real-time data to other programs
- Offers remote monitoring