

Key Features:

Complete Well History

- Well Document Management
- Workover History
- Failure History, etc.

Trend Analysis Graphs

- Fluid Level History
- Production Tests
- Surface Equipment

3-D Well Bore Diagrams

- Overlay well data on a single 3-D interactive graph
- Current Fluid Levels
- Historical Failure Points

Collaborate Remotely

- Engineers, Operators, Service Providers, etc.
- Consolidate multiple locations and wells in one interface
- Viewable from any internet connection

Other Features

- Email & Text Message Alerts
- User level access control
- No software to install

In order to get started you will need an account. If you do not have one, please register at <http://pumpreports.com> by clicking the "Register" link at the top right.

User Name: **demo** .

Password: **demo** .

NEW ACCOUNTS

1. After clicking the register link, enter your information. A valid email address is required for confirmation in step 2. We will not share this information. Please include your location name so that our administrators can assign you to existing data.
2. After completing the registration form you will receive a confirmation email. Click on the link or enter the registration code on your first login.
3. Our administrators must assign you to specific location(s). You may login but will not see data until we make this assignment.



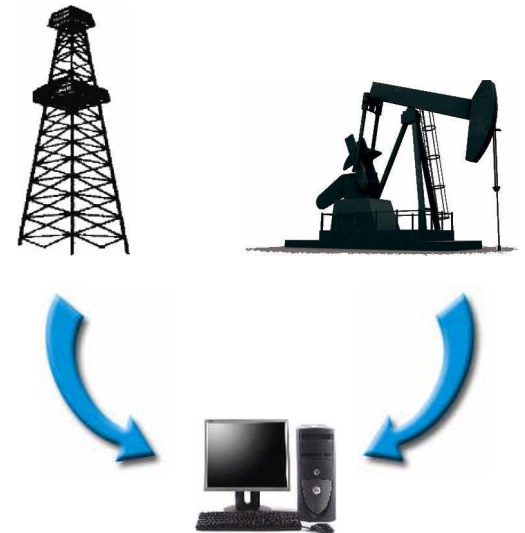
PumpReports.com is administered by
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PumpReports.com

Web-based Trending and Data Analysis



General Information

- **Fluid Level & Production Test Graphs**
- **3-D Interactive Well Bore Diagrams**
- **Email and Text Message Alerts**

WHAT IS PUMPREPORTS.COM?

PumpReports.com is a web-based data collection/analysis tool for Operators, Engineers, and Service Providers. Information is gathered from multiple sources and presented in a unified and intuitive interface. People responsible for the operation and maintenance of wells and equipment can collaborate remotely, reducing meeting costs and improving production.

COMPLETE WELL HISTORY

Fluid levels, production tests, workover history, chemical analysis, rod/tubing diagnostics, surface equipment data, historical comments, and more are all available to the user.

REMOTE COLLABORATION

The web-based interface is ideal for distributing important information to key personnel involved in the design, operation, or maintenance of wells and equipment. Used in conjunction with teleconferences Operators, Engineers, and Service Providers can collectively troubleshoot or review wells. In addition, well-specific comments are stored on the website to aid in future troubleshooting.

USER-LEVEL ACCESS CONTROL

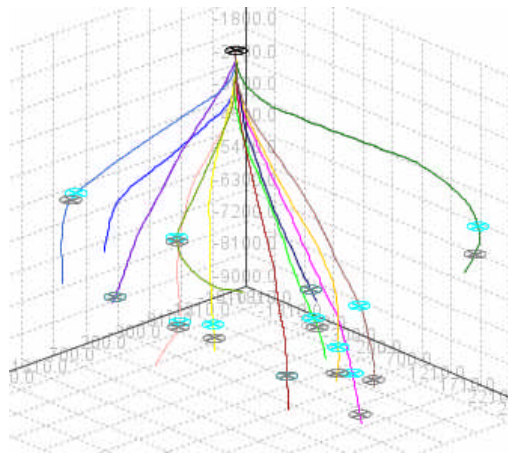
User-level access control allows Service Providers, Operators, and Engineers to securely access the same data. User access to specific data or advanced features can be specified. For example, an engineer can have access to multiple locations, while an operator would only need access to their specific location.

EMAIL & TEXT ALERTS

Customizable alerts provide notification of potential trouble conditions direct to your cell phone. Trouble conditions can then be addressed proactively. Alerts can be delivered as they occur, or can provide summary information. From these automated alerts, a single person can monitor multiple locations.

3-D WELL BORE DIAGRAMS

Well deviation survey data is imported to allow 3-D rendering of the well bore along with key points of interest like Current Fluid Level, Pump Depth, and Historical Failure Points. From these well bore graphs, potential or chronic failures can be easily identified.

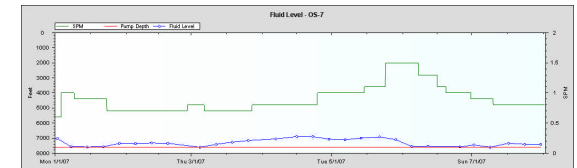


Multiple well deviation profiles from a single location are overlaid. Pump Depths (grey circles) and Fluid Levels (blue circles) illustrate "fluid over pump" conditions.

The well bore diagram is rendered as an interactive Java applet compatible with any standard web browser. The graph can be zoomed or rotated in three dimensions simply by clicking and dragging. No additional software is required.

TREND ANALYSIS GRAPHS

Graphing fluid level, production, and other equipment parameters allows for rapid analysis of conditions affecting current and historical well performance.



In this fluid level graph, changes in strokes per minute (green) are reflected in the fluid levels (blue) over time.

Overview reports simplify the process of finding problems or identifying potential candidates for optimization. For example, fluid level decline can be identified before reaching a pumped off condition. The historical strokes per minute and fluid level enable the user to better estimate the optimal SPM to maintain a consistent fluid level. Likewise, production well test graphs can identify changes in bottom hole conditions and pump efficiencies over time.

Surface equipment data such as polished rod load can be graphed over time to easily indicate changing conditions. Coupled with email and text message alerts, any deviation from historical polished rod load can quickly indicate trouble conditions.

CUSTOM REPORTS

Custom reports and integration of electronic test or production equipment are available on request.

If you have any questions, comments, or suggestions please contact us at: support@pumpreports.com