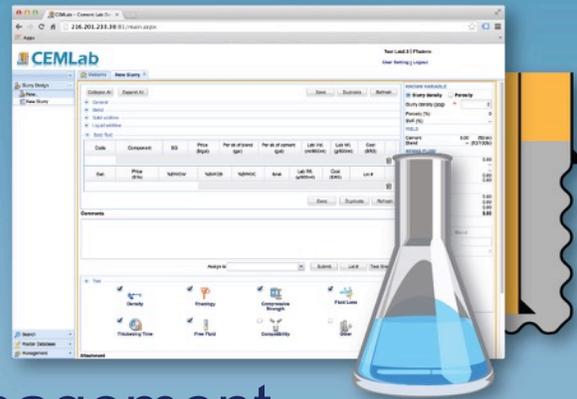# CEMLab
Cement Lab Data Management

The design and test of the slurry are integral parts of every cementing job. This process is time-consuming and expensive because of the variability of the conditions between wells. Traditionally, cementing engineers and lab technicians used paper forms to record test results. With the introduction of Microsoft Excel®, people began to take advantage of electronic filing. This significantly improved reporting quality; however, what was missing with this approach was management of numerous reports and search functions.

Without an efficient lab database, the following situations could arise: Difficulty in designing cement slurries, waste of resources in having to repeat similar tests, lack of proof when problems arise, and non-standard practices at various labs within a company.

In order to streamline cement lab operations, PVI developed CEMLab, an integrated database management application that formulates slurry, calculates lab amounts for all ingredients (cement, dry and liquid additives, salts and water), generates weigh-up sheets, stores API test results, and generates lab reports.

This software allows quick access to all your slurry formulations and testing statuses anywhere, any time. The advanced search function allows the user to find the formula and to test it quickly.
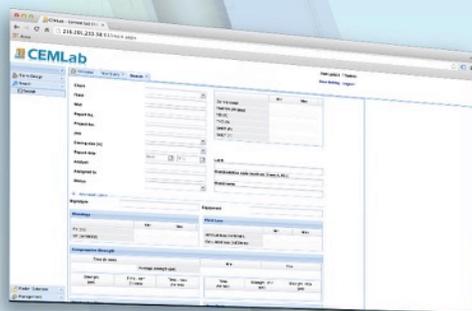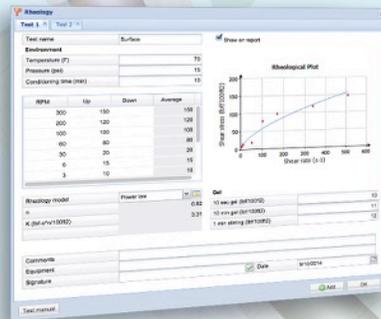
Video

CEMLab – Cement Lab Data Management
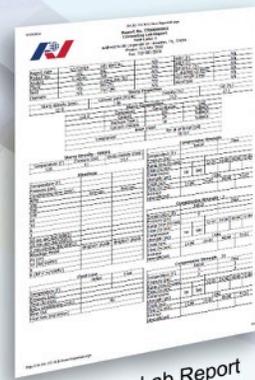

Slurry Design

Search by Various/Combined Criteria

Rheology (Test)

Cementing Lab Report

Features

- Web-based application
- Multiple labs around the world
- Slurry design
- Component amount and cost
- Log all test results
- Generate custom lab reports
- Search by various/combined criteria
- Master cement and additive database
- User management
- Job tracking
- Remote submission of test requests

System Requirements

- 1.4 GHz (x64)
- Windows Server® 2008 or later with .Net FrameWork® 3.5 and 4.6
- IIS Server®, Version 6.0 higher
- Microsoft SQL® 2005 or higher
- 2 GB RAM (4 GB recommended)
- 20 GB of free disk space
- Microsoft Office® Excel and Word 2010 or later

Client Requirements

- IE 8 or later, Firefox, Chrome, etc.
- 1 Mbps
- 1,280 x 720 display resolution with true color
- Microsoft Office® Excel and Word 2010 or later