

Stim-Lab

Well Stimulation and Completion Sciences

Stim-Lab is a leading provider of well stimulation and completion sciences. Our laboratory testing, research and consulting services provide a unique resource for individual companies as well as multi-client consortia. These services include small and medium scale testing as well as one-of-a-kind large scale tests. Stim-Lab testing equipment, protocols and expertise ensure accuracy and integrity for results you can depend on.

Consortia

Stim-Lab multi-client consortia are the resource the industry depends on for highly-focused investigations of critical materials and methodologies. Organized as short and long-duration studies, the consortia represent the interests of a broad selection of industry-leading operators and service companies.

Two major Stim-Lab industry consortia are:

Proppant Consortium

- Established in 1989
- Objective is to characterize all commercially available proppants used in oil and gas well fracture simulation
- Proppant flowback mechanisms and abatement
- Comprised of 30 member companies

Acid Consortium

- Established in 1993
- Objective is to investigate matrix and fracture acidizing in vertical and inclined wells
- Comprised of 10 member companies

These consortia benefit their members in many ways. For example, the Proppant Consortium is the developer of the Predict-K™ production prediction simulator. Based on consortium testing and available only to consortium members, the software allows realistic production prediction with a stand-alone application simulator.

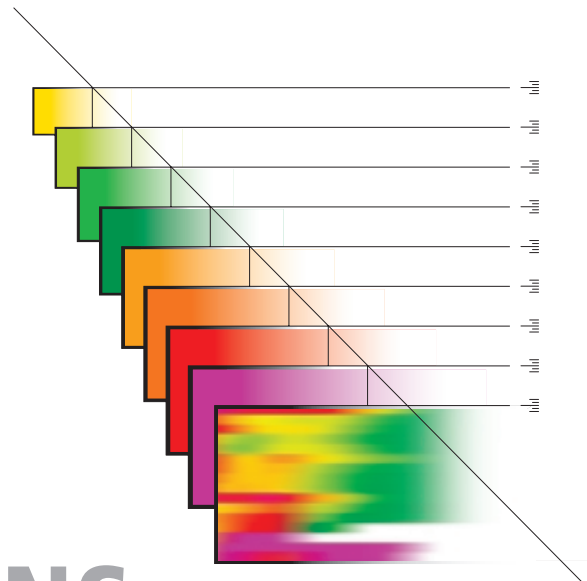
Based on findings from nearly two decades of study, the simulator supports realistic post-frac production prediction by helping engineers systematically evaluate the effects of proppant type and concentration, proppant embedment, non-Darcy flow, multiphase flow and gel cleanup. The Predict-K simulator also includes the industry's most comprehensive database of the physical and performance characteristics of sand and specialty proppants.

Services

Stim-Lab offers extensive, industry-specific laboratory facilities. These facilities are a unique resource for a broad range of laboratory and testing services, including:

- Drilling, cementing and perforating
- Hydraulic fracturing
- Completion engineering
- Other large scale testing
 - Friction reduction testing
 - Large scale tool erosion testing
 - Screen evaluation
- Acidizing
- Quality control
 - Proppant
 - Fluid
- Reservoir analysis
- Core flow testing

MEASURED SOLUTIONS



GOHFER®

Stim-Lab, in association with the industry-recognized stimulation consulting firm of Barree & Associates, offers the GOHFER hydraulic fracturing simulator, the ultimate design tool for creating realistic 3D treatments in complex, heterogeneous reservoirs with vertical, deviated and horizontal wells. Easy-to-use GOHFER software is a complete 3D fracture geometry model and design simulator for:

- Log analysis
- Data management
- Real-time pressure analysis
- Production forecasting
- Treatment economics

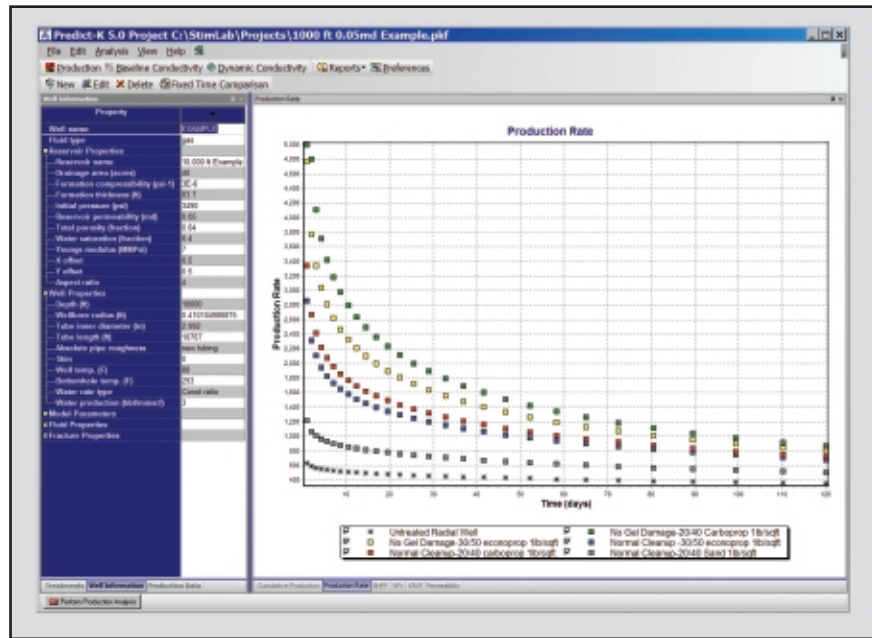
The new GOHFER 2005 software builds on 15 years of continuous expansion and refinement employing established formulations verified in the laboratory and the field. The GOHFER 2005 simulator is a flexible tool that provides users with "quick-look" job design capability and the power of unlimited data integration.

Stim-Lab also provides support for the GOHFER hydraulic fracturing simulator with scheduled courses as well as training at your site.

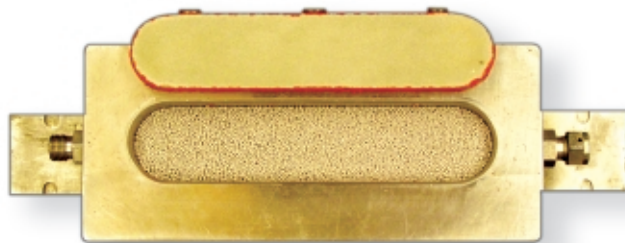
Completion Engineering Services

Stim-Lab provides an extensive range of completion consulting services, from single wells to field and regional studies. These services are enhanced by the resources of Integrated Reservoir Solutions (IRS), a Core Laboratory Reservoir Management division that

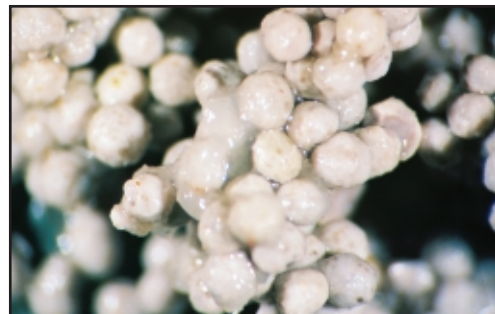
conducts specialized reservoir optimization projects. IRS conducts multi-client geological and petrophysical studies and rock property databases used in single well, field, regional and basin-specific applications. Two key studies (with over 35 member companies each) are the Deepwater Gulf of Mexico Regional Core and Biostratigraphic Study and the Worldwide Rock Catalog™.



Post-frac production prediction from Predict-K software for variations on proppant type and fracture fluid cleanup



API conductivity cell packed at 2lb/ft with ceramic proppant



Gel residue left in proppant pack (20X)

For more information, please visit our website at:

www.corelab.com/protechnics

www.corelab.com/stimlab

