

Rock Mechanics

MINIMIZE RISK AND IMPROVE EFFICIENCIES

Rock Mechanics data is fundamental to reservoir characterization and optimization. From exploration and well planning through abandonment, a thorough and relevant understanding of the reservoir environment allows Operators the opportunity to make beneficial decisions to minimize risk while enhancing economic and operational productivity.

“Minimize risk while enhancing economic and operational productivity”

The Premier Difference

Premier's Specialized Core Prep Technique Ensures Sample Quality, Integrity, and Maintains ASTM Standards.

- Allows sample extraction in difficult/challenging core otherwise not usable for testing
- Proven method that minimizes lost material, lost time and induced damage to material
- Verified with pre and post CT
- Sample quality and integrity are paramount to effective testing and representative results

World Class People, Equipment and Capabilities

- Our lab professionals have an extensive and unique blend of experience in both commercial and R&D laboratories
- Multiple load frames to ensure continued workflow. Sample sizes form 0.75" to 1.5" diameter
- Anisotropic static and dynamic measurements in-situ
- Flexible testing capabilities from basic UCS/TXC type testing to research and advanced testing types

Demonstrable Quality

- Stringent quality assurance ensures highest levels of data confidence
- Traceable calibrations, standardized processes and procedures, and regular system validations demonstrate reproducibility

The professionals at Premier have decades of experience in Rock Mechanics testing, analysis and application. Rock Mechanics can be used as stand-alone data, or within our comprehensive process combining other results from Routine and Special Core Analysis, XRF, XRD, reservoir modeling, petrophysical and existing well log data to build extremely robust and predictive geomechanical models.



Learn more by visiting

PremierCorex.com

ILLUMINATING THE SUBSURFACE



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Our full-service lab has extensive expertise in Conventional and Unconventional testing and evaluation, including the originator of the Advanced Sample Preparation Technique. With over eight years of continuous improvement and experience in extracting plugs otherwise not available with traditional methods. We welcome research projects and one-off testing, so you can count on us for all your rock mechanics needs.

Services Include

- CCUS Testing and Workflows
- Stand-alone or multi-domain Proppant Embedment Studies
- In-situ Fracture Conductivity on plugs (1" or 1.5" diameter)
- API Fracture Conductivity
- Thermal Expansion
- In-situ Resistivity measurements
- Non-Traditional Biot's Evaluation
- Stand-alone or Multiple Domain Characterization and evaluation
- Thomsen Parameter; Anisotropic Dynamic Properties
- Continuous Interval Scratch Testing - UCS Profile
- Advanced Sample Preparation
- Unconfined Compressive Strength (UCS)
- Triaxial Compressive Strength (TXC)
- Multi-Stage Compressive Strength (MSTXC)
- Indirect Tensile Strength (Brazil)
- Thick Walled Cylinder (TWC); with sanding/spalling capture
- Pore Volume Compressibility (PVC)
- Direct Shear Testing
- Mechanical Earth Modeling (MEM); 1D, 3D, and multi well studies



**“Let's work together to
unlock the full potential
of your reservoir!”**

**Premier Corex is committed to providing top-quality service
and delivering ideal outcomes for our clients.**

Contact us today to schedule a lab tour, meet, or learn more about
our rock mechanics capabilities and associated services.

sales@premiercorex.com

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