

Science-driven Solutions for Effective Stimulation Fluids

Premier Corex utilizes a space of 11,000 ft² to house state of the art testing instrumentation and the highest degree of professional, knowledgeable and experienced personnel. Premier provides world class chemical evaluation and fluid enhancement testing. Utilizing industry standard procedures combined with a broad range of disciplines and specialized instrumentation yields a highly comprehensive examination of conventional and unconventional reservoir characterization.



Water Analysis

- Complete Water Analysis (SG, pH, Cations, Anions, Alkalinity, TSS & TDS).
- Microbial Evaluation.

Instrumental Chemical Analysis

- Scaling Tendency Testing (Modeling, Bottle, and DSL Testing).
- Analysis of gelling agents flow back samples.
- Fourier transform infrared spectroscopy (FTIR).
- Zeta-potential and Particle Size Analysis.
- High-Resolution GC Hydrocarbon Analysis.
- SARA analysis
- HTHP Corrosion Testing.
- RCE Testing.

Drilling Fluids

- Full Drilling Mud Evaluation Packages.

Frac Fluid Evaluation and Rheological Performance Analysis

- Flowloop Testing.
- Iron Stress Testing
- Crosslinked Frac Fluid Design and Optimization (Grace 5600 HPHT Rheometer)
- Oscillatory Rheological Measurements (Anton Paar MCR)
- Power Law Indices (n' , K')
- Elasticity Measurements - Storage and Loss Moduli (G' , G'')
- 3-D Modeling Test to Evaluate Sand Suspension.
- Diverter Analysis.

Formation Fluid Sensitivity Evaluations

- Capillary Suction Timer (CST) Testing.
- Shale Disaggregation Roller-oven (RO) Testing
- Formation Acid Solubility Testing.

Wettability Evaluation

- Surface Tension and Interfacial Tension measurements.
- Contact Angle measurements.
- Emulsion Testing.
- Column Testing.

Core-Flow Testing

- Formation Core Acid Etching.
- Formation Damage from Mud Invasion.
- Formation Damage from Scale Precipitation.

Contact our Subject Matter Experts:

Hassan Bleibel, Director of Fluids in Houston, TX, boasts more than 10 years of experience and a Master's degree in Chemistry. He is a proven leader and innovator at Premier Corex.

Frank Zamora, Senior Vice President of Operations in Houston, TX, has an extensive background in his field, with over 40 years of experience. He was previously the Senior VP of Engineering and Technology for FTSI, and has more than 50 patents to his name, having authored over four technical papers. He is a highly recognized leader in the hydraulic fracturing industry.



Learn more by visiting

PremierCorex.com

ILLUMINATING THE SUBSURFACE

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We provide consistent data-driven workflows that target solutions.

-  Immediate Value
-  Expert Interpretation
-  Readily Accessible
-  Consistent Measurements
-  Timely Delivery

FROM SAMPLES TO SOLUTIONS

- Core Analysis
- Geochemistry
- Reservoir Models
- Formation Damage
- Core/Cuttings Library
- Basin Studies
- Geomechanics
- Fluids Compatibility
- Subsurface Datasets
- Energy Transition

