

AMERICAN GILSONITE

Introducing our Innovation Center – the proving ground for excellence



Expertise and technology to reduce costs while optimizing performance

American Gilsonite's advanced facility is equipped and staffed to conduct an array of critical testing and analyses that enables more precise and consistent formulations, improved product performance, shortened lead times and cost-effective solutions. Through the Innovation Center, we offer an unprecedented level of service to our clients.

Precise formulations for specific downhole conditions

The Innovation Center partners with clients to formulate additives for both drilling fluids and cement, optimized for specific downhole environments. By testing and fine-tuning formulations prior to actual use, we assure that our clients receive the highest-performing additives and most cost-effective solutions in the timeliest manner.

Innovation Center chemists also test field samples for consistency and conformance to specifications as well as working with clients to solve operational problems.

Innovation Center capabilities

In addition to developing industry-leading products, our Innovation Center provides unmatched support to solve complex drilling fluids and cementing challenges.

- > Product development
- > Drilling fluid system development
- > Cement slurry design support
- > Real-time client technical support
- > Client collaboration on formulation design
- > Quality assurance



Comprehensive testing yields higher performance and reduced risk

American Gilsonite's Innovation Center features an expert staff of chemists and a full complement of sophisticated equipment. We can accurately evaluate every aspect of a product's performance alone or in combination with other components before it is ever placed in service. Samples are routinely analyzed for strict quality control.

Drilling fluids

Collaborating to meet challenges and develop solutions

Working with drilling fluids companies, emulsifier manufacturers and industry experts, the Innovation Center helps assess drilling fluid, emulsifier and additive interaction and performance. We are uniquely qualified to develop custom Gilsonite formulations that ensure wellbore stability, control fluid loss and meet other design objectives.

API-compliant drilling fluids testing

- > Fluid rheology
- > Fluid loss
- > Particle plugging
- > High-temperature fluid aging
- > Particle size distribution (PSD)



Cementing

Assuring compatibility, improving performance, reducing costs

Our slurry advisors collaborate with service companies and operators to optimize their cement formulations. Rigorous testing has proven that our solutions can lower costs by eliminating mixing errors that could result in service quality mishaps, and by replacing higher cost additives, such as hollow beads. Cement formulations enhanced with Gilsonite significantly improve wellbore integrity.

API-compliant cement testing

- > Thickening time
- > Compressive strength
- > Static gel strength
- > Fluid loss
- > Free water
- > Rheologies

