

NEW EQUIPMENT IN FES LAB

STATIC GEL STRENGTH ANALYZER (SGSA)

Gas migration and water flows through cement is one of the biggest challenges facing the petroleum industry. The determination of the static gel strength development of cement slurries is essential to evaluate the potential for fluid inflow migration problems.

The SGSA simultaneously determines compressive strength and static gel strength development of cement slurries while curing under downhole conditions. These essential cement properties are inferred by measuring the change in energy level of an ultrasonic signal transmitted through the specimen.

Features

- Determination of compressive strength development in real-time
- Employed for predicting WOC time under downhole conditions
- Real-time monitoring of static gel strength development
- Used to evaluate gas & water migration susceptibility
- Non-destructive method using proven algorithms
- Maximum operating temperature: 400°F (204°C)
- Maximum pressure: 20,000 psi (138 MPa)



We are keen on offering you our lab services and assisting you with your projects.

READY FOR SERVICE

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