

# FORMIX GEL

## Technical Bulletin

### FIBROUS LOSS-CIRCULATION MATERIAL

*FORMIX GEL is a blend polymers sack, crosslinking agents and fibrous materials. Controls circulation lost, it is designed to plug the matrix, and naturally fractured zones. When activated with time and temperature, **FORMIX GEL** produces a rubbery, ductile, spongy, softest gel that effectively prevents the loss of fluid in the formation. The material that controls circulation loss is a cellulose fiber containing a wide variation of particle sizes.*

#### Typical Physical Properties

Physical appearance .....Light tan powder

Specificgravity..... 1.10

Bulk density .....29.38 lb/ft<sup>3</sup> (471 kg/m<sup>3</sup>)

#### Applications

- \* Where a squeeze plug would be beneficial.
- \* Advantageous in areas where loss of whole mud is prevalent.
- \* **FORMIX GEL** may also be employed to shut off water flows and stabilize gravel sections.
- \* **FORMIX GEL** may be blended with either freshwater or saltwater up to saturation. Seawater and sodium chloride tend to retard the crosslink set time.
- \* **FORMIX GEL** may be used to stop losses occurring with any water and non aqueous base fluid systems.

#### Technical Data

- \* Since **FORMIX GEL** contains crosslinking agents and polymers in the same package does not require low temperatures. However, at increasing temperatures and longer pumping times, it is recommended to use a minimum concentration of 6 lb/bbl.
- \* At temperatures of 200 to 350°F, it is recommended to use 10 to 16 lb/bbl of **FORMIX GEL**.



Injection and Environmental Products

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- \* Pilot testing is suggested before pumping in order to obtain an estimate of needed time to create a well-set plug.

### **Limitations**

**FORMIX GEL** does not suffer bacterial degradation with time in mud. This product should be used with caution in or near productive zones.

### **Packaging and Storage**

**FORMIX GEL** is packaged in 25 lb (11.34 kg) sacks. **FORMIX GEL** should be stored in a dry location.

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