



HOLE-SEAL-OB

LOST CIRCULATION MATERIAL

DESCRIPTION

HOLE-SEAL-OB is a highly effective, non-toxic, preferentially oil wettable, fibrous product which provides excellent loss circulation control in oil base muds. HOLE-SEAL-OB is available in both fine and coarse grades, depending on the necessary application.

Specific Gravity Approx. 0.40 - 0.42

Biodegradability Biodegradable

Thermal Stability Stable to 400 °F. minimum

APPLICATION

"Fine grade" HOLE-SEAL-OB will prevent seepage loss, while the coarse variety provides whole mud loss protection for oil base muds. This product is temperature stable to beyond 375° F, and will not affect mud viscosities.

HOLE-SEAL-OB effectively lowers losses during cementing operations, and greatly reduces wall permeability of porous formations.

RECOMMENDED TREATMENT

For seepage loss control, HOLE-SEAL-OB "fine grade" should be added at concentrations of 4-6 ppb. Maintenance will vary according to pressure regression areas encountered, 3-6 sx per tour is usually sufficient. HOLE-SEAL-OB "fine grade" can also be used in a sweeping application, 25-30 ppb in a 25-50 bbl sweep.

For whole mud losses, a 20-40 ppb concentration of HOLE-SEAL-OB "coarse grade" should be thoroughly mixed with mud or diesel oil, then pumped down-hole or squeezed into loss zone. A large enough pill should be used to cover the thief zone or the open hole section. HOLE-SEAL-OB "coarse grade" can be added through a conventional hopper.

PACKAGING

HOLE-SEAL-OB is packaged in 25 lb. multi-wall bags with polyethylene liners.

HOLE-SEAL-OB is a Messina trademark