

NFS-Plug[®] Process

Description

NFS-Plug[®] Process is a dewatering system that can be applied through the drill string into any fracture to create a strong bridge across the loss zone. This unique process can be applied with the rig equipment to place the slurry inside the fracture and then perform a squeeze to begin the dewatering process. The NFS-Plug[®] Process can cure losses instantly without time or temperature dependency.

Advantages

◆ Single sack system	◆ Easy mixing and pumping
◆ No spacer required	◆ No setting time required

Benefits

- ◆ Mixes in all types of fluids
- ◆ Environmentally acceptable; complies with LC₅₀ requirement
- ◆ Contaminant friendly
- ◆ Temperature stable up to 450°F

Physical Properties

- ◆ Appearance: Granular
- ◆ Form: Solids
- ◆ Color: Gray to Black
- ◆ Specific Gravity: 1.76

Mixing Recommendations

25 barrel increments (in water): In a clean mixing tank, prepare 25 barrels of fresh or sea water, then mix 80 bags of NFS-Plug[®] through the mud hopper and add Barite for desired density.

Placement:

If possible, determine the loss zone. Pump NFS-Plug[®] slurry through the drill string, clear the pipe and bit. Do not over displace. Pull 90' of pipe or pull into the last casing and close the hydrill.

Packaging

- ◆ NFS- Plug[®] Process is packaged in 25 lb. paper sack

Revised on February 16, 2011