



FINE BLEND OF LCM/SEALANTS

PRODUCT DESCRIPTION

F.I.T. is a blend of fiber, flake and granulated sealant particles used to increase formation integrity, especially in fractured shale and depleted sand formations. This product can be used in water-based and oil-based mud, as well as workover fluids. It is designed to provide a combination of rigid, flexible, deformable and compressible particles, which enhance a fluid's particle size distribution (PSD) and sealing effectiveness in fractured shales and depleted sands. BLOCKADE™ can enhance the sealing effectiveness of F.I.T. in fractured formations.

System treatment levels range from 10 – 30 ppb, while pill concentrations vary from 30 - 80 ppb. F.I.T. can be used in conjunction with FIRST STRIKE in a lost circulation pill, typically in a ratio of equal parts F.I.T. to FIRST STRIKE. F.I.T. can also be used to reinforce fractures repaired by a BLOCKADE squeeze through a systematic application of follow-up sweeps with pills containing 25 – 50 ppb F.I.T.

F.I.T. is especially useful for increasing wellbore hoop strength by creating a stress cage in fractured formations. This process can actually increase formation integrity and fracture gradient as fracture closure stress (FCS) is increased. Depleted sands can also be strengthened with F.I.T. in order to reduce the likelihood of lost circulation and differential sticking occurrence.

Fracture tip screen-out is a major benefit achieved with F.I.T. Pre-treatment applications with F.I.T. through mud system treatments and/or pills pumped in sweep fashion can be effective in the prevention of fracture propagation as a result of early fracture tip screen-out.

PRIMARY APPLICATIONS

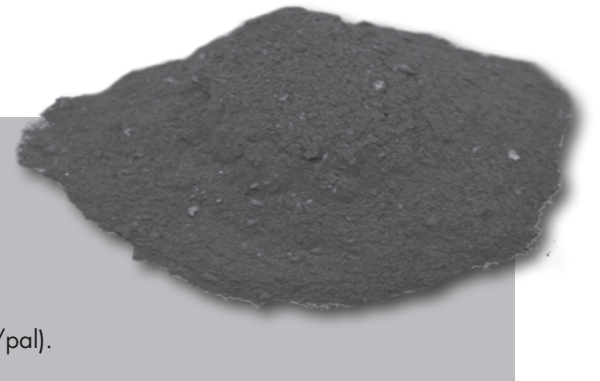
- Mechanical sealing and strengthening of weak formations.
- Prevention of differential sticking.
- Mud loss prevention through early fracture tip screen-out.
- Formation strengthening through stress cage development.
- Lost circulation prevention and remediation.
- Mud seepage loss control.
- Oil-base, water-base, and brine fluid compatible.
- Filter cake quality enhancement.

PHYSICAL PROPERTIES

- Appearance: Light gray powder
- Bulk Density: 42 – 44 lb/ft

PACKAGING

- F.I.T. is provided in 25 pound bags, palletized and shrink-wrapped.
- There are 100 sacks per pallet (100sx/pal).



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