

DUO-SQUEEZE® H

Lost Circulation Material

Product Data Sheet

Product Description

DUO-SQUEEZE® H lost circulation material is designed as a high fluid loss squeeze (HFLS), but can be applied conventionally in a pill formulated from the drilling fluid. When applied as a HFLS it is mixed in either a Xanthan polymer or Attapulgit base fluid and may be weighted to the drilling specification. It differs from other HFLS products due to the bimodal particle size distribution and the combination of materials that supply the larger size particles, with both resilient graphitic carbon and malleable components. Since there are no reactive components, the DUO-SQUEEZE H lost circulation material can be kept mixed on location to be applied immediately upon losing circulation or observing well-bore breathing. For open natural fractures, or other high loss applications, it can be supplemented with Diamond Seal swelling polymer.

Applications / Functions

- DUO-SQUEEZE H lost circulation material may be applied as a high fluid loss squeeze water-based pill or as a lost circulation treatment directly in both water-based and non-aqueous fluids.
- If applied conventionally as a high fluid loss squeeze water-based pill, supplemental hydrating/swelling polymers may be added for treatment of extreme lost circulation cases.

Advantages

- May be mixed and maintained on the rig for immediate application upon lost circulation.
- Can be mixed and applied with rig pumps and does not require specialized spacers.
- One sack product facilitates rapid mixing through a standard hopper; each pallet of DUO-SQUEEZE H lost circulation material makes a 30 to 60-bbl pill.
- Can be supplemented with STEELSEAL® 1000 and/or DIAMOND SEAL® or FUSE-IT® lost circulation materials.

Typical Properties

- | | |
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| • Appearance | Mixture of white / gray particles with black and tan granules and fibers |
| • Specific Gravity, g/cm ³ | 1.8 |

Recommended Treatment

Specific mixing and application directions are contained in DUO-SQUEEZE H lost circulation material Technical Bulletin B07-06-20-1.

Nominally, a water-based pill is mixed with 0.7-lbs of BARAZAN® viscosifier/suspension agent and 60-lbs of DUO-SQUEEZE H lost circulation material per barrel of mix water (not per barrel of finished product), then weighted with BAROID® or SWEEP-WATE® weighting material.

Supplemental swelling polymers of DIAMOND SEAL or FUSE-IT lost circulation materials may be added immediately prior to pumping the treatment at a rate of 2-lbs per barrel of mix water.

Packaging

DUO-SQUEEZE H lost circulation material is packaged in 50-lb (22.7-kg) bags.

www.halliburton.com/baroid

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