

PERMIAN BLEND

Born and Blended for the Basin

PRODUCT DESCRIPTION

PERMIAN BLEND is a broad particle size range, single sack lost circulation material designed to remediate seepage to full loss of circulation. Composed of a combination of flexible granules and rigid flakes, PERMIAN BLEND penetrates into the loss zone to create a seal in the fracture. Due to the resilient nature of the granules, as pressure is reduced from the wellbore (ie. circulation is stopped), the particles expand to prevent back flow from plastic formations (ballooning).

Easy to mix, and compatible with water, brine based, oil based and synthetic based mud systems. Dosages vary from 25 ppb for minor losses, 50 ppb for moderate losses, and up to 75 ppb for severe to total loss of circulation. In a slugging tank or mixing pit, start with active mud and add the desired amount. Can be pumped as a sweep or spotted as a pill. As always, pilot testing is recommended before making additions to the mud system.

PRIMARY APPLICATIONS

- ✓ Creates a mechanical seal across thief zones to fully restore lost circulation
- ✓ Compatible with all drilling fluid types
- ✓ Seals depleted sands, natural and induced fractures, vugular formations and rubble zones
- ✓ Easy to mix
- ✓ Will not plug directional tools

PHYSICAL PROPERTIES

- ✓ Appearance: black granules and flakes
- ✓ Density, SG: 1.1 – 1.2
- ✓ Flash Point: >212°F (>100°C)
- ✓ Solubility in Water: None

PACKAGING

- ✓ PERMIAN BLEND is packaged in 50 lb bags; 50 bags/ pallet



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