

AES DRILLING FLUIDS

BENEFITS

- Seals induced fractures and limits fracture propagation in water-based and invert emulsion drilling fluid systems
- Prevents losses in unconsolidated sands and permeable formations
- Designed to treat fluid losses over a wide range in fractured and micro-fractured formations with existing fractures less than 250 microns

APPLICATIONS

- 3-8 lb/bbl typical concentration
- Preventive loss treatment and/or to reduce existing seepage or partial drilling fluid losses

PHYSICAL PROPERTIES

- Appearance: Light brown particles
- Specific Gravity: 1.4 - 1.5

EOSEAL II[†]

EOSEAL II is a proprietary blend cellulose and polymer designed to provide wellbore stability by reducing fluid invasion into micro-fractures. It also aids to minimize induced fractures by sealing them.



In a sand bed test, an untreated invert emulsion system (left) is compared to the same system with 5 lb/bbl EOSEAL II (right). The EOSEAL II lowers invasion from > 12 cm to 3.5 cm as it seals highly permeable 20/40 sand.

Treatment Recommendations

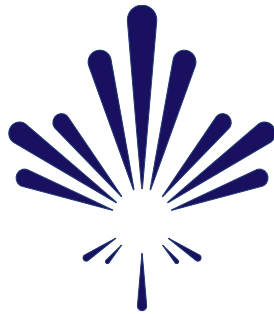
EOSEAL II is a blend of cellulose and polymer added to the drilling fluid system to prevent losses or treat seepage or partial drilling fluid losses. Pilot testing can aid to optimize the necessary concentration for a specific scenario.

Typical concentrations range from 3 to 8 lb/bbl in either water-based or invert emulsion drilling fluids to seal fractures, microfractures, or permeable sands, less than 250 microns.

As with any lost circulation material, confirm that surface and downhole equipment will tolerate the distribution and concentration of particles present prior to use.

Packaging and Handling

EOSEAL II is available in 25 lb sacks. Handle EOSEAL II as an industrial chemical, wearing protective equipment and observing precautions as described in the Safety Data Sheet (SDS).



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Revision 1.00

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