IDCCHEM

ECO-LCM

APPLICATION

- Designed for fragile, unconsolidated, induced and natural fractured production zone (2 - 8 mm).
- Suitable for pumping through drilling assembly and casing accessories (7" liner job only with ECO-LCM-2).
- Production enhancement through eliminating work over for pay zone (100% acid solubility).

ADVANTAGES

- Complete removal with acid: 100% natural acid soluble product.
- Improves the integrity of cement-formation bond: Supports better mud removal and wall cleaning before cementing.
- Cost effective for remedial pay zone: Ensures the LCM does not block the permeability of productive zones. Enhances hydrocarbon recovery and eliminates the need for costly workovers.
- Reduces the need for remedial cementing: Prevents cement fallback to achieve the desired TOC.
- Enhances hole cleaning and mud removal prior to cement placement.
- Easy to mix and pump.

ECO-LCM

Zero Damage to the Pay Zone, Acid Soluble, Loss Circulation Material (up to 8mm fracture)

PRODUCT SPECIFICATIONS

Acid-soluble LCMs dissolve completely after operations, protecting the pay zone and enhancing production. They effectively seal fractures and weak formations, reducing fluid loss and stabilizing the wellbore. These materials improve cement bonding by aiding mud removal and minimizing cement losses. Ideal for narrow pressure margins, they prevent formation damage and support zonal isolation. Easy to mix and pump, they offer a cost-effective, environmentally friendly solution for drilling and cementing.

PHYSICAL AND CHEMICAL PROPERTIES ECO-LCM

Product	Physical Status	Job	Fracture size	Curing ability
ECO-LCM-2	Solid	Liner	Up to 2 mm	Seepage/minor losses
ECO-LCM-4	Solid	Casing	Up to 4 mm	Minor to partial losses
ECO-LCM-6	Solid	Casing	Up to 6 mm	Partial to severe losses
ECO-LCM-8	Solid	Casing	Up to 8 mm	Severe losses

HANDLING AND STORAGE

ECO-LCM should be stored in a dry environment.
Proper PPE must be used to avoid dust exposure.
Packed in 55 lbs bags.

PROCEDURE

Pump simultaneously with acid soluble spacer (Spacer-450) or acid soluble drilling fluids.

TREATMENT RECOMMENDATIONS

For seepage losses recommended treatment ranges from 9 – 10 lb/bbl.
No limitations on temperature range.