

FybeCarb

High-efficiency, acid-soluble, single-sack loss-prevention and remedial material

APPLICATIONS

- Porous and fractured formations
- Particle-sensitive reservoir intervals
- Pills used for tripping or running casing
- Various loss mechanisms with 0.04-in [1-mm] apertures or slightly greater
- Production intervals where acid solubility is a requirement

BENEFITS

- Controls lost circulation
- Enhances bridging and sealing performance
- Reduces fluid volume requirements and number of treatments
- Minimizes impact on fluid properties
- Reduces preparation time for lost-circulation treatments
- Seals fractures and strengthens the wellbore
- Interacts well with weighted, unweighted, aqueous, and nonaqueous drilling fluids

FEATURES

- Specially-sized wellbore strengthening materials and acid-soluble fiber

The FybeCarb* high-efficiency, acid-soluble, single-sack loss-prevention and remedial material is an advanced bridging, sealing, and wellbore strengthening material designed for use in porous and fractured formations. Comprised of carefully-sized marble particulates and fiber, this highly-efficient material helps prevent and rapidly resolves lost circulation events. The material is either supplied in 30-lbm [13.6-kg] multiwall paper bags or premixed into liquid mud from the drilling mud supplier.

Although intended for use as the sole loss-control additive, this material can be applied in combination with other additives through repetitive sweeps, spotting, squeeze treatments, or in limited situations as a background lost circulation material in circulated fluid systems. The bridging and sealing performance of drilling fluid treated with this material is best evaluated at the rig site by slot testing using a 750- to 900-um slotted disk. When returning sweeps or recirculated fluid is returned to the surface, it may be necessary to bypass the shakers or use only coarse scalping screens to retain the material in the system.

Treatment Concentrations

Treatment Type	Additive Concentration
Remedial loss control, lbm/bbl [kg/m ³]	30 [86]
Lost circulation preventative	
Repetitive limited volume sweeps, lbm/bbl [kg/m ³]	12 to 20 [34 to 57]
Prevent induced losses, lbm/bbl [kg/m ³]	15 to 30 [43 to 86]