

ReSET FORM formation consolidation system

Repair/prevent sand production

Applications

- Sand control operations
 - Primary sand control
 - Remedial sand control
 - Gravel pack repair

Features and Benefits

- Effective sand consolidation and minimum damage, leading to higher production rates
- Controls sand production without reducing wellbore diameter
- Use of nitrogen can assist in improving wellbore coverage and increasing total feet of reservoir treated

The Baker Hughes **ReSET™ FORM formation consolidation system** is a liquid resin system used to repair and/or prevent sand production. The furfuryl/furan resin is one of the safest available within the industry.

The superior efficiency of the ReSET FORM system is dependent on two additives that work synergistically to produce a quality resin bond. One additive enhances the wetting of the formation material to improve resin adhesion on the substrate, while the second additive increases the bonding strength between the cured resin film and the formation grains.

Resin is pushed into all perforations and additional fluids are used to maintain much of the matrix permeability. Finally, the liquid resin is externally catalyzed with acid to form a high-compressive-strength consolidation with a high-permeability formation material.

Technical Data

Matrix injection of the ReSET FORM treatment is usually limited to 25 ft (7.6 m) of perforated interval.

The temperature application range for the ReSET FORM consolidation system is 75 to 300°F (25 to 150°C).

Safety and handling

Refer to the material safety data sheet (MSDS) for information and first aid.

Materials compatibility

- MSDS
- ReSET FORM treatment instructions and mixing manual

Typical properties

Component	Product	Function
Preflush	9.5-ppg NaCl Brine/NE-13	Treat formation surface with wetting agent
Resin	ReSET FORM/S-2 Fixer	Treat formation with resin
Spacer	9.5 NaCl Brine/NE-13	Flush excess resin/improve permeability
Catalyst	Inhibited 15% HCl	Set resin/create high-strength bond
Displacement	9.5-ppg NaCl	Displace fluid