AMERICAN CEMENTING

IntergraSqueeze™ Resin

IMPERMEABLE WELL REMEDIATION AND WELL ABANDONMENT SYSTEM

APPLICATIONS

- Remedial cementing operations
- Casing leaks
- Water shutoff
- Well abandonments

FEATURES & BENEFITS

- Effectively gains access and penetrates microannuli and small leaks, even in extreme wellbore geometries
- Stronger and more ductile than conventional cement
- Offers long-term durability and stability
- Withstands wellbore stresses
- Creates an effective, long-lasting seal
- Not affected by water contamination during placement
- Excess material is easily drilled

OVERVIEW

IntegraSqueeze Resin is a pumpable control-set liquid capable of creating a permanent impermeableseal in many downhole remedial applications and well abandonment services.

Minor leaks sometimes occur in wellbore tubulars, stage collars, downhole plugs and casing annuli.

These are usually manifested by annular pressure buildup or loss of well integrity.

Traditionally, well repair by squeezing conventional Portland cements has been attempted, with limited success in many cases. Whole Portland cement slurry contains a large fraction of solids which cannot penetrate and seal smaller orifices and porous media.

IntegraSqueeze Resin is a low-viscosity liquid with controlled set characteristics. It can be weighted with solids to aid placement. When pressured against a split, cracked or corroded tubulars, slots, porous media and other orifices, whole liquid resin is forced to penetrate and when set, creates a pressure-tight seal.

The superior compressive and tensile strength of set resins, and the outstanding bond strength and elasticity of the material, further enhance the resin sealing properties.

Unlike traditional cements, resins are not susceptible to contamination while being placed in the downhole environment.

IntegraSqueeze Resins can be pumped with conventional cementing equipment, minimizing operational complexity.

TYPICAL PROPERTIES

DENSITY	7 to 19 ppg
APPLICATION TEMPERATURE	60 to 300°F
SET TIME	1 to 4 hours (typical applications)
COMPRESSIVE STRENGTH	+10,000 psi
TENSILE STRENGTH	+5,000 psi
BOND STRENGTH	+2,000 psi