



### Weighted Well Abandonment

**WELL ABANDONMENT STICKS** consist of a blend of a Catalyzed Sodium Sulphite type oxygen scavenger and Ammonium Quaternary Salt for corrosion inhibition, contained in a fast dissolving water soluble paper tube and dissolvable salt plug.

### PRODUCT USES & ADVANTAGES:

**WELL ABANDONMENT STICKS** are primarily used in oil and gas production operations where wells have been depleted of their production and are to be plugged and abandoned. *In many cases these wells have untreated water pumped down the annulus as a purging agent. The water over long periods of can cause degradation of metal surfaces down hole, therefore causing loss or leakage of fluids.*

**WELL ABANDONMENT STICKS** have a *high concentration of both products in stick form when added down hole to the fluids will form a strong organic film on the metal surfaces and absorb the free oxygen in the fluids to prevent corrosion attack on the metal surfaces. The combination of products and its surface activity will also eliminate the environment for anaerobic bacteria growth.*

**WELL ABANDONMENT STICKS** can be used to treat certain *hard to reach areas in water injection systems. Dead areas such as rat-hole, annulus space above the packer, water hauling truck tanks and the bottom of water supply tanks may be reached and more easily treated*

**WELL ABANDONMENT STICKS** are very economical and cost effective way to treat and protect metal surfaces down hole in abandoned wells. The use of Well Abandonment Sticks saves investment in chemical pumps, drums of liquid chemical, hazardous liquid chemical spills, and maintenance equipment.

### TREATMENT DETERMINATION & PROCEDURE

*The number of WELL ABANDONMENT STICKS to be used varies from one well to another. The volume and water weight can also affect the number of sticks dropped. Lab and field tests indicate the best results were achieved when a treatment rate of 400 PPM based on weight of total volume of water to be treated was initiated.*

**EXAMPLE:** An initial slug treatment of 400 PPM would require 3.2 LBS of Well abandonment Sticks per 24 BBL (1000 Gal.) of water treated.

PART NUMBER	STICK SIZES	STICK RATIO INITIAL SLUG TREATMENT
ACL-9990	2.65 (2 5/8")	3.2lbs STICK PER 24 BBL's (1000 GAL.) OF Total Fluid

### FOR INDUSTRIAL USE ONLY:

**CAUTION:** As with all industrial chemicals, contact with eyes or skin should be avoided. Wash thoroughly with water. Pellets should be stored in a cool dry place. Always remove pellets from the container with the scoop provided while wearing rubber gloves to avoid skin contact. Goggles are advised.

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