

LIQUID FOAM STICK

TECHNICAL DATA

Select Part No.- Same

99.9% Active Foamer

LIQUID FOAM STICKS are concentrated foam sticks that **contain 100% active surfactants**, in water-soluble tubes. Natural gas bubbling through the water column and the 100% active ingredients produces foam which helps remove water from gas wells.

PRODUCT USES & ADVANTAGES:

These sticks are primarily used to remove water from gas wells and increase gas production. This foaming action decreases the hydrostatic back-pressure which increases gas production that further enhances the foaming action until the well unloads. This stick contains a 100% active foamer in a water soluble tube. They can develop stable foam in high brine solutions. They are an economical way to remove water from gas wells without using expensive well service operations.

TREATMENT DETERMINATION & PROCEDURE:

Field tests indicate that the best results were achieved by using a larger initial slug treatment of **1/8 to 1/4 Percent by weight of these sticks to water above the perforations. This would require .44 to .88 lb of stick per BBL of water.**

LIQUID FOAM STICK SIZES STICKS

PART NUMBER	SIZE	PER BBL (INITIAL SLUG TREATMENT)
AC - 2560	1 1 / 4 X 18	1 to 2 Sticks
AC - 2550	1 1 / 4 X 15	1 to 2 Sticks
AC - 2545	1 1 / 4 X 12	1 to 2 Sticks
AC - 2545	1 1 / 4 X 8 1/2	1 to 2 Sticks

NOTE:

This amount is recommended for an initial slug treatment. In many cases, removing the top few hundred feet of fluid may often be sufficient to allow the production of natural gas to blow out the remaining fluid in the well. To determine the optimum amount for periodic treatments you may choose to gradually reduce the initial treatment amount until the most economical point is reached. Periodic treatments may be necessary to prevent production decline due to the gradual water build-up. It is much easier to maintain gas production with regular usage of sticks than it is to kick off a dead well. Gas bubbling through water is necessary to create foam. If a well is totally dead, GAS STICKS may be used in conjunction with this stick to provide agitation energy.

ALTACHEM LTD.

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LIQUID FOAM STICK**TECHNICAL DATA****THE MOST COMMON PROCEDURE**

Is to shut-in the well and drop sticks through a lubricator. Wait 10 minutes until sticks dissolve then slowly return well to normal production. For high rate wells flow well at about 25 percent of pre treatment rate for 30 minutes or until foam reaches surface then return to normal production. For shallow or low rate wells leave well flowing while dropping sticks.

PRODUCT SPECIFICATIONS

The stick will normally dissolve in 12 to 16 minutes depending on temperature, salt hydrocarbon content and relative water motion. The melting point of the sticks is 160 degrees F. The stick will dissolve in water in wells with BHT below 16 degrees (just at a slower rate).

CAUTION: As with all industrial chemicals, contact with eyes or skin should be avoided. Wash thoroughly with water. Sticks should be stored in a cool dry place. Always remove stick from plastic bag or sleeve before using.

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