Tech Data Sheet | SAND DISPERSANT-SOAP STICK | Tech Data Sheet

ACL-35 (AC-35) SERIES | CARDBOARD TUBE (YELLOW) |

Foamer c/w Sand-Silt & Sludge Dispersant

SAND FOAM STICKS are water-soluble sticks containing a blend of surfactants and additional additives and are ***designed to convert dense sludge and silt deposits into light non adherent agglomerates that permit easy dispersion.*** Foaming Agents are added to produce desired lift of water as well. The ***SAND FOAM STICK*** has been found to been effective in speeding up the foaming process in wells with bottom hole temperatures below 90 degrees Fahrenheit Natural gas bubbling through the water-column, surfactants and additives produce foam which can help remove water from watered-up gas wells.

PRODUCT USES & ADVANTAGES:

SAND FOAM STICKS are primarily used to disperse clay, mud sand, silt and sludge from wells and also used to remove water from gas wells and increase gas production. The foaming action decreases the hydrostatic back-pressure which increases gas production that further enhances the foaming action until the well unloads.

SAND FOAM STICKS can be used to thin out dense clay, sludge and silt as well as create a lifting action in gas wells.

TREATMENT DETERMINATION & PROCEDURE

Treatment using this stick varies with the volume of water being produced and should be adjusted for high volume wells. In many cases ***one (1) or two (2) sticks every other day may be sufficient. Occasional use of Acid Sticks will also be helpful.***

PART NUMBER	STICK SIZES	STICK RATIO INITIAL SLUG TREATMENT
ACL-3520	3/4 X 15	2 TO 4 STICKS PER 1 BBL's OF Total Fluid
ACL-3550	1 1/4 X 15	8 TO 17 STICKS PER 1 BBL's OF Total Fluid

NOTE:

The above amount of SAND FOAM STICKS is recommended for an initial slug treatment. In many cases, removing the top few hundred feet of fluid may 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 with sticks may be necessary to prevent production decline due to the gradual water build-up.

THE MOST COMMON PROCEDURE

Is to shut-in the well and drop sticks through a lubricator. ***Wait 45 seconds until sticks contact top of fluid then slowly return well to normal production.*** Repeat procedure if or when it becomes necessary. FOR HIGH RATE WELLS (after sticks have contacted the top of fluid) flow well at about 25% of pretreatment rate for about 20 minutes or until foam reaches surface then return to normal rate. ***FOR SHALLOW OR LOW RATE WELLS leave well flowing while dropping sticks if possible.***

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PRODUCT SPECIFICATIONS

The stick ***will normally dissolve in 45 to 80 minutes depending on temperature,*** salt content, and relative water motion. ***SAND FOAM STICKS*** are 100% soluble in water and insoluble in oil. The melting point of the sticks is 122°F. The stick will dissolve in water in wells with BHT below 122° (just at a slower rate). Lab tests indicate the dissolving rate in 50,000 PPM moving brine water to be 72 minutes @ 100°, 25 minutes @ 120°, 8 minutes @ 140°, and 3 minutes @ 180°. The dissolving time will decrease if the sticks are broken before dropping or if they break upon impact with the top of the fluid. The specific gravity is 1.11. The falling rate through fresh water is approximately 100 feet per minute. The sticks can free fall (through air) 3,000 feet in about 15 seconds. Gas moving up tubing will often change falling characteristics.

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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