OILFOAM CONDENSATE SOAP STICK

Tech Data Sheet — ACL-80 (AC-80) SERIES

CARBOARD TUBE (DARK BLUE)

Low Foamer in Water Excellent Foamer in Condensate over 65% of The Column

OILFOAM CONDENSATE SOAP STICKS are condensate-dispersible water-soluble sticks that contain surfactants that foam both the condensate and water column in gas-condensate wells.

PRODUCT USES & ADVANTAGES:

OILFOAM CONDENSATE SOAP STICKS **are primarily used to increase gas production by removing condensate and water from gas-condensate wells. The foaming action decreases the hydrostatic back-pressure which increases gas production which further enhances the foaming action until the well unloads.**

OILFOAM CONDENSATE SOAP STICKS **can be used to remove fluid from gas-condensate wells and flowing oil wells. Some water must be present to enhance the foaming action in wells with BHT less than 130 degrees Fahrenheit.**

OILFOAM CONDENSATE SOAP STICKS **are recommended** ***only when over 65 % of fluid column is composed of condensate.***

OILFOAM CONDENSATE SOAP STICKS if the fluid column contains over 25 percent water, it is recommended to use SLICKFOAM SOAP STICKS only or a combination of both OILFOAM CONDENSATE SOAP STICKS and SLICKFOAM SOAP STICKS to be more effective in removing the fluid.

OILFOAM CONDENSATE SOAP STICKS **are an economical way to remove condensate and water from gas-condensate wells without using expensive well service operations such as swabbing, jetting with coiled tubing, or installing artificial lift and siphon strings.**

OILFOAM CONDENSATE SOAP STICKS **can be used to increase the swabbing efficiency and life of swab cups.**

TREATMENT DETERMINATION & PROCEDURE

The number of OILFOAM CONDENSATE SOAP STICKS to be used is based on the volume of water above the perforations. Field tests indicate that the best results were achieved by using a larger initial slug treatment of ½ to 1 percent by weight of OILFOAM CONDENSATE SOAP STICKS to water above the perforations. A treatment of ½ to 1 percent by weight would require 1.75 to 3.50 lbs. of stick per BBL of water.

PART NUMBER	STICK SIZES	STICK RATIO INITIAL SLUG TREATMENT
ACL-8020	1 1/4 X 15	8 TO 17 STICKS PER 1 BBL's OF Total Fluid
ACL-8035	1 X 15	3 TO 6 STICKS PER 1 BBL's OF Total Fluid
ACL-8050	1 1/4 X 15	2 TO 4 STICKS PER 1 BBL's OF Total Fluid
ACL-8075	1 3/8 X 16	2 TO 3 STICKS PER 1 BBL's OF Total Fluid
ACL-8080	1 5/8 X 18	1 TO 2 STICKS PER 1 BBL's OF Total Fluid

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NOTE:

The above amount 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 *OILFOAM CONDENSATE SOAP STICK* may be necessary to prevent production decline due to the gradual water build-up. It is much easier to maintain gas production with regular insertion of *OILFOAM CONDENSATE SOAP STICK* 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 (SELF AGITATING) ™ may be used in conjunction with OILFOAM CONDENSATE SOAP STICK to provide agitation energy.***

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.***

PRODUCT SPECIFICATIONS

The stick will normally dissolve in 20 to 80 minutes depending on temperature, salt content, and relative water motion SLICK SOAP STICK 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. T*he 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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