



ALTACHEM LTD.

Technical Data Sheet

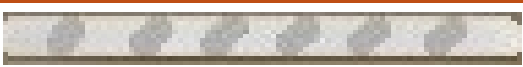
Altachem Part No: AC-30 Series

EDMONTON STOCK SIZE

Select Part No: CHICO

KWIK N DRY SOAP STICKS

(FASTER RECTION TIME-HIGH FOAMER WATER - CONDENSATE TO 40%)

			Color – Off White	Packaging – Paper Wrap			
			TDG – Non-Regulated Product		Allowable – Air or Ocean Freight		
KWIK N DRY STICK SIZES			STICKS INITIAL SLUG TREATMENT		Weight Ea. Stick.		
1 X 10 ½	1 x 10.5	25.4 x 266.7 mm	1-2 Sticks Per 1 BBL of Fluid		6.1 oz	0.38125 lbs	173.0875 g.
1 1/4 x 7	1.25 x 7	31.75 x 177.8 mm	1-3 Sticks Per 1 BBL of Fluid				
1 1/4 x 15	1.25 x 15	31.75 x 381 mm	½ -3 Sticks Per 1 BBL of Fluid				
Estimated hydrostatic back pressure reduction for ea. BBL of water removed (for various tubing sizes)							
THE ESTIMATED HYDROSTATIC BACK-PRESSURE REDUCTION FOR EACH BARREL OF WATER REMOVED (FOR VARIOUS TUBING SIZES) IS SHOWN BELOW (BASED ON ,43 PSI PER FOOT OF DEPTH)							
2 3/8 “	2.375	60.325 mm	100 PSI REDUCTION FOR 1 BBL OF WATER REMOVED				
2 7/8”	2.875	73.025 mm	75 PSI REDUCTION FOR 1 BBL OF WATER REMOVED				
3 1/2 “	3.5	88.9 mm	50 PSI REDUCTION FOR 1 BBL OF WATER REMOVED				
HS Code	3402.9010.09		Regulations		TDG		
Form	Solid		Melting Point		121°F – 50°C		
Color	Off Whie Paper		Solubility in Water		100%		
pH	7 - 8		Solubility in Brine		100%		
Specific Gravity	1.16		Solubility in Crude		Insoluble		

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 ***KWIK N DRY SOAP STICKS*** 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 ***KWIK N DRY SOAP 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 ***SUPERFOAM STICKS*** to provide agitation energy.

KWIK N DRY SOAP STICKS are water-soluble sticks containing a high foaming surfactant formulated to dissolve quickly with little or no agitation. Natural gas bubbling through the water-column and surfactants produces foam which can help remove water from gas wells.

PRODUCT USES & ADVANTAGES

KWIK N DRY SOAP 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.

KWIK N DRY SOAP STICKS can be used to remove fluid from gas-condensate wells and flowing oil wells. They can be used in conjunction with ***GAS STICKS™*** to kick off totally dead and watered up wells. (***PLEASE REFER TO HOW TO REVIVE A DEAD WELL*** (on website under treatments) which has been a very successful.

KWIK N DRY SOAP STICKS can be used to remove fluid from gas-condensate wells and flowing oil wells. For gas-condensate wells with more than 35% condensate, it is recommended to use ***OIL FOAM STICKS™*** in conjunction with ***KWIK N DRY SOAP STICKS***.

KWIK N DRY SOAP STICKS can be used to increase the swabbing efficiency and life of swab cups. The extremely slick coating along with the foaming action increases efficiency and life of the swab cups and allows the well to flow easier. The perforations are often cleaned as a result of the surfactants and swabbing action.

SAFETY & HANDLING

Please review SDS prior to using this product. As with all industrial chemicals, contact with eyes or skin should be avoided. Wash thoroughly with water if contact with skin is made. Balls should be stored in a cool dry place. Always remove ball from plastic bag or cardboard tube before using. Bag or tube can be used as a glove to avoid contact with hands.

DISCLAIMER OF LIABILITY

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Altachem Part No: AC-30 Series

EDMONTON STOCK SIZE

Select Part No: CHICO

PRODUCT USES & ADVANTAGES (Continued)

KWIK N DRY SOAP STICKS can be used to increase the swabbing efficiency and life of swab cups. The extremely slick coating along with the foaming action increases efficiency and life of the swab cups and allows the well to flow easier. The perforations are often cleaned as a result of the surfactants and swabbing action.

KWIK N DRY SOAP STICKS are used in water injection wells in combination with **ACID STICKS** to help reduce injection pressures. Surfactants contained in **KWIK N DRY SOAP STICKS** can help remove oil coatings on scale. This helps the **ACID STICKS** react with the exposed scale.

KWIK N DRY SOAP STICKS are an economical way to remove water from gas wells without using expensive well service operations such as swabbing, jetting and coiled tubing or installing artificial lift and siphon strings.

KWIK N DRY SOAP STICKS can remove 1-3 barrels of water.

TREATMENT DETERMINATION & PROCEDURE FOR WATER REMOVAL

The number of **KWIK N DRY SOAP STICKS** to be used is based on Field tests which indicate that the best results were achieved by using a larger initial slug treatment of 1/2 to 1 percent by weight of sticks to water above the perforations. This would require 1.75 to 3.50 LB of stick per BBL of water. 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 may be necessary to prevent production decline due to the gradual water build-up. Gas bubbling through water is necessary to create foam. If a well is totally dead, **GAS STICKS** may be used in conjunction with **SUPERFOAM STICKS** 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 5 to 15 minutes depending on temperature, salt content, and relative water motion. **KWIK N DRY SOAP 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.

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