# ALTACHEM Ltd.

### **DOWNHOLE SOAP-FOAMER PRODUCTS**

NAME/PART NO.	SIZE	DESCRIPTION & USE
ALBERTA FOAM STICK™ Off White (Water Soluble Tube)(Bag) ) ACL-3450	1 1/4 X 15	ALBERTA FOAM STICKS <sup>™</sup> are Special foam sticks that contain HIGHLY active surfactants, friction reducer and foam stabilizer in water-soluble tubes. When this foamer is released it acts very quickly to lift water from the well.
BIG DIPPER STICK White (Water Soluble Tube)(Bag) ) ACL-4350	1 1/4 X 15	A water-soluble stick containing a high foaming surfactant formulated to dissolve quickly with little or no agitation. Excellent results in bringing a well up to production levels quickly. Works in wells that the operator has to blow down
CANADIAN BLOWOUT STICK Purple (Cardboard Tube) ACL-4120 ACL-4150 ACL-4150 ACL-4175 ACL-4190 ACL-4195	5/8 X 15 1 1/4 X 15 1 3/8 X 16 1.8 X 18 2.1 X 18	Excellent for wells with low bottomhole pressures. Primarily used to remove water from wells & 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. Works with well's that contain up to 35% condensate. Wells that contain greater than 35% should use SUPERFOAM STICKS (O- 65%) OR > 65% OIL (CONDENSATE) FOAM or CONDI FOAM STICK.
CONDI FOAM STICK Light Blue (Cardboard Tube)	1 1/4 X 15	Excellent for foaming and lifting higher ratios of condensate up to 95%. CONDI FOAM STICK are condensate-dispersible water-soluble sticks that contain surfactants that foam both the condensate and water column in gas-condensate wells.
COR-FOAM STICK Off White (Water Soluble Tube)	1 1/4 X 9	A unique chemical stick that contains 100% active ingredients that protect wells from corrosion and produce high amounts of foam. This product is contained in a water soluble tube with soluble caps.
DRILL BIT STICK Blue (Cardboard Tube)	1 1/4 X 15	DRILL BIT STICKS are water soluble condensate dispersible sticks containing a combination of surfactants and friction reducers. Designed to perform in fresh and salt water conditions to increase the drilling efficiency and the life of the drill bits. Helps prevent clay from sticking and balling up.
GAS,CO2,SWAB STICK c/w 10% FOAM White (Water Soluble Tube)(Bag) ACL-9020 ACL-9045 ACL-9050	3/4 X 15 1 1/4 X 12 1 1/4 X 15	A water-soluble stick designed to generate gas and provide agitation energy to the foaming agent in a totally dead watered-up gas wells. This stick contains a gas producing agent which together with foam sticks helps kick off dead wells.
GAS CONDENSATE STICKS Light Blue (Cardboard Tube)	1 1/4 x 15	Used to increase production by removing condensate and water from gas-condensate wells. Foaming action decreases the hydrostatic back-pressure which increases gas production which further enhances the foaming action until the well unloads. Water must be present to enhance the foaming action in wells with BHT less than 130 degrees Fahrenheit.

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HYDRAFOAM SOAP STICK Green (Cardboard Tube)	1 1/4 X 15	Primarily used to remove water from gas wells and increase gas production. Foaming action decreases the hydrostatic back-pressure which increases production that further enhances the foaming action until the well unloads. Stick also works in wells with hydrocarbon content that may inhibit foam production by other sticks.
KWIK-N-DRY SOAP STICK White (Soluble Bag)(Cardboard Tube) ) ACL-3035 ) ACL-3050 ) ACL-3070	1 X 10.5 1 1/4 X 15 1.375 X 5.5	A water-soluble stick containing a high foaming surfactant formulated to dissolve quickly with little or no agitation. Excellent results in bring a well up to production levels quickly. Works excellent in wells that the operator has to blow down. Can work in as little as 5 minutes.
LAREDO FOAM STICK Off White (Water Soluble Tube)	1 1/4 X 15	Special foam sticks that contain 100% active surfactants, friction reducer and foam stabilizer in water-soluble tubes. Works excellently in wells that contain condensate up to 65%.
LIFTOUT FOAM STICK Grey (Cardboard Tube)	1 1/4 X 15	Used to remove water from wells & 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. Works with well's that contain up to 35% condensate. Wells that contain greater than 35% should use SUPERFOAM (O-65%) OR > 65% OILFOAM or CONDI FOAM STICK.
LIQUIDFOAM SOAP STICKS Tan (Water Soluble Tube)(Cardboard) ) ACL-2540 ) ACL-2545 ) ACL-2550	1 1/4 X 9 1 1/4 X 12 1 1/4 X 15	Highly active, very concentrated liquid foaming agent, contained in a water soluble tube. Used as an aid for unloading produced water in wells contaminated with brine, hydrocarbons and/or dissolved solids. This stick also works in wells with high brine or condensate levels to 45% wells that contain greater than 65% should use the OIL (CONDENSATE) FOAM STICKS OR CONDI FOAM STICKS.
MAX FOAM STICKS Green (Water Soluble Bag)(Cardboard) ) ACL-5220 ) ACL-5250	3/4 X 15 1 1/4 X 15	Special foam sticks that contain one of the highly active surfactants that can be put in stick form, active surfactants, friction reducer and foam stabilizer in water-soluble tubes. Excellent in wells that contain condensate up to 65%. Wells that contain over 65% should use the OILFOAM STICKS OR CONDI FOAM STICKS.
NORTHERN STAR STICK Light Red (Cardboard Tube) ) ACL-4550	1 1/4 X 15	Effective in wells which contain both water and condensate up to 40%. Primarily 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.
OIL(CONDI)FOAM STICK™   Blue (Cardboard Tube)    ACL-8020    ACL-8035    ACL-8035    ACL-8050    ACL-8075    ACL-8090    ACL-8095	3/4 X 15 1 X 15 1 1/4 X 15 1 3/8 X 16 1.8 X 18 2.1 X 18	Used to increase production by removing condensate and water from gas-condensate wells. Foaming action decreases the hydrostatic back-pressure which increases gas production which further enhances the foaming action until the well unloads. Water must be present to enhance the foaming action in wells with BHT less than 130 degrees Fahrenheit.

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NAME/PART NO.	SIZE	DESCRIPTION & USE
PROFOAM SOAP STICKS Off White (Water Soluble Tube)	1 1/4 X 15	Contains 100% active foamer in a water soluble tube that can produce up to four (4) times more foam than some other sticks on the market. This stick can develop stable foam in high temperature deep gas wells.
SC-21 FISHER KING SOAP STICK     Red (Cardboard Tube)     )   ACL-4010     )   ACL-4020     )   ACL-4035     )   ACL-4050     )   ACL-4075     )   ACL-4080	5/8 X 15 3/4 X 15 1 X 15 1 1/4 X 15 1 3/8 X 16 1 5/8 X 18	These sticks are especially effective in wells which contain both water and condensate up to 60%. Primarily 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 SOAP STICK Yellow (Cardboard Tube) ) ACL-3520 ) ACL-3550	3/4 X 15 1 1/4 X 15	"SAND, SLUDGE & SILT" dispersant c/w foamer are designed to convert dense sludge and silt deposits into light non adherent agglomerates that permit easy dispersion. Foaming agents aid in the unloading of gas wells where water buildup reduces production.
SLICK SOAP STICK Off White (Cardboard Tube) ) ACL-7540 ) ACL-7550	1 X 15 1 1/4 X 15	Water-soluble sticks containing a combination of surfactants and friction reducer. This stick can be used in wells which contain levels of condensate to 65%; wells that contain greater than 65% should use the OIL (CONDENSATE) FOAM STICKS.
SLICKWILLE SOAP STICK White/Blue (Water Soluble Tube)(Bag) ) ACL-8120 ) ACL-8150	3/4 X 15 1 1/4 X 15	Especially effective in a water, condensate and hydrocarbon environment. Special sticks that contain 100% active surfactants, friction reducer and foam stabilizer in water- soluble tubes. Natural gas bubbling through the water column and 100% active ingredients produces foam which can help remove water from watered-up gas wells.
SLOWPOKE SOAP STICK Brown (Cardboard Tube)	1 1/4 X 15	Used to remove water from gas wells and increase gas production. Foaming action decreases the hydrostatic back-pressure which increases gas production that further enhances the foaming action until the well unloads. This slower dissolving stick also works in wells with high brine or condensate levels. This stick works with well's that contain up to 35% condensate. Wells that contain greater than 35% should use SUPERFOAM STICKS (O-65%) OR > 65% OIL (CONDENSATE) FOAM STICKS or CONDI FOAM STICK.
SOUTHERN STAR SOAP STICK Orange (Cardboard Tube) ) ACL-4020 ) ACL-4050	3/4 X 15 1 1/4 X 15	These sticks are especially effective in wells which contain both water and condensate up to 60%. Primarily 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.

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NAME/PART NO.	SIZE	DESCRIPTION & USE
SUPER FOAM STICK		SUPERFOAM STICKS are stick that contains 100% active foamer in a
Off White (Water Soluble Tube)(Bag)		water soluble tube that can produce up to four (4) times more foam
) ACL-5020	.75 X 15	than some other sticks on the market. This stick can develop stable
) ACL-5040	11/4X9	foam in high temperature deep gas wells. Works with well's that
) ACL-5050	1 1/4 X 15	contain up to 65% condensate. Wells that contain greater than 65%
) ACL-5070	1.375 X 5	should use the OIL (CONDENSATE) FOAM S or CONDI FOAM STICKS.
WESTERN STAR SOAP STICK		Sticks are especially effective in wells which contain both water and
Pink (Cardboard Tube)		condensate up to 35%. Used to remove water from gas wells and
		increase gas production. Foaming action decreases hydrostatic back-
		pressure which increases production that further enhances foaming
		action until the well unloads. Works with well's that contain up to 35%
	1 1 / A V 1 F	condensate. For greater than 35% should use SUPERFOAM (O-65%) OR
) ACL-4150	1 1/4 X 15	> 65% OIL (CONDENSATE) FOAM or CONDI FOAM STICK.
ULTRA FOAM STICK		Stick requires no agitation as it has a self-agitating agent built in.
Grey Speckled (Water Soluble Bag)		Stick is also very effective in high brine environments. Used to remove
	2/4 × 45	water from gas wells and increase gas production. The foaming action
) ACL-3110	3/4 X 15	decreases hydrostatic back-pressure which increases gas production
) ACL-3150	1 1/4 X 15	that further enhances the foaming action until the well unloads.
WONDER DRILL BIT STICK		Water soluble condensate dispersible sticks containing both coating
Black (Cardboard Tube)		agent & friction reducers. Designed to perform in fresh and salt water
		to increase the drilling efficiency & life of drill bits. The slick coating &
		foaming action increases efficiency by preventing clay's from sticking,
		balling up the bit and plugging jets as well as optimizing mud and outting returns and improving population into the formations
) ACL-WDS	1 1/4 X 15	cutting returns and improving penetration into the formations.
j ACL-WDS	1 1/4 / 13	

DOWNHOLE SOAP-FOAMER	DRODUCTS
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