



Drilling-Jet Cleaning-Slicker-Bit Balling Prevention-Faster Penetration

WONDER DRILL BIT STICKS are condensate-dispersible water-soluble stick containing a combination of surfactants and friction reducers. This stick will perform in the presence of salt and fresh water systems.

PRODUCT USES & ADVANTAGES:

WONDER DRILL BIT STICKS are primarily recommended for use to **increase the drilling efficiency and life of the drill bits.** The slick coating and foaming action increases the efficiency of the drilling process by **preventing the clays from sticking and balling up on the drill bit while drilling operations are going on. This same slick coating and foaming action will also help prevent the jets on the drill bit from plugging, therefore optimizing mud and cutting returns to the surface and improving drill bit penetration into the ground formations.**

WONDER DRILL BIT STICKS can also be used to increase the swabbing efficiency and life of the swab cups. The slick coating and foaming action increases efficiency of the swab and extends the life of swab cups. The perforations are often cleaned as a result of the detergent and swabbing action.

WONDER DRILL BIT STICKS can be used to remove fluid from gas-condensate wells and flowing oil wells, however Altachem has a broad range of sticks specifically designed for this procedure. For gas-condensate wells with more than 75% condensate, it is recommended to use OIL FOAM STICKS™.

WONDER DRILL BIT STICKS are an economical way of improving the efficiency of drilling operations by **keeping the drill bit clean of debris and improving mud and drill cutting returns to the surface. Drill bit penetration into the ground formations will also increase due to bit and jets remaining clean of debris.**

TREATMENT DETERMINATION & PROCEDURE

The number of WONDER DRILL BIT STICKS to be used varies from one drilling operations to the other. The weight of mud, drilling depth and water weight can also affect the number of sticks to be dropped. Field tests indicated the best results were achieved under normal drilling operations in the chart listed below:

PART NUMBER	STICK SIZES	STICKS PER JOINT ODF DRILL STEM ADDED TO STRING
ACL-WBS	1 1/4 X 15	1 to 3 Sticks per joint drill stem added

NOTE:

This amount recommended is based on past field drilling tests and operating under normal drilling operations and procedures. To determine the optimum amount of sticks required for periodic treatments you may choose to gradually increase or decrease the number of sticks until the most economical treatment point is reached.

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Tech Data Sheet
ACL-WBS (AC-WBS) SERIES**WONDER DRILL BIT STICK**
CARBOARD TUBE (BLACK)**Tech Data Sheet**
PAGE 2 OF 2**THE MOST COMMON PROCEDURE:**

It is to drop the specified number of sticks to be dropped from the chart each time an additional joint of drill stem is added to the drill string in the drilling operation. As the fluid moves down the hole the surfactants and friction reducer will dissolve and penetrate the drilling fluids and slick up the metal surfaces. ***It is important to add the desired volume of sticks each time a new joint of drill stem is added to the string to maintain the slick film on the metal surfaces.***

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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