UNI-DRILL®

UNI-DRILL® is a unique proprietary liquid polymer designed for use in rotary drilling and horizontal directional drilling operations. It conditions drilling fluids to control fluid loss, prevent formation clays from swelling, and will keep tools clean by preventing bit balling. Unlike many commonly used polymers, UNI-DRILL® actually aids in the effective operation of solids control equipment by dropping silts and sands from the fluid. Similarly it is tolerant of brackish and harsh water conditions which adversely affect many other polymers. UNI-DRILL® is environmentally safe and non-fermenting.

UNI-DRILL® ADVANTAGES:

- Safe: Non-polluting, Non-fermenting
- Controls fluid loss
- Coats and inhibits clays
- Builds viscosity
- Mixes easily
- Performs in saline environments
- Reduces friction — drag and torque

3 EASY STEPS FOR EFFECTIVE DRILLING FLUIDS:

1. Treat make-up water with soda ash to a pH of 8 to 9.
2. Add bentonite product-EXTRA HIGH YIELD™ GEL or TRU-BORE®.
3. Add UNI-DRILL®.

In air-drilling operations, UNI-DRILL® can be added to stabilize shale and clay formations. Add 1 pint per 100 gallons of water upstream from AIR FOAM® or WYO-FOAMER™ injection.

Below are typical application rates for UNI-DRILL® and other products for use in certain drilling conditions.

For 500 Gallons of Make-up Water: Add approximately ¼ pound of soda ash to bring water a pH of 8 to 9.
In any fluid, always add bentonite products before adding the polymer.

CLAY	**40-45 sec/qt**
EXTRA HIGH YIELD™ GEL & UNI-DRILL® — 1½ ± Bags & 5 Qts. UNI-DRILL® TRU-BORE® & UNI-DRILL® — 1½ ± Bags & 3 + Qts. UNI-DRILL®	
SAND	**55-65 sec/qt**
EXTRA HIGH YIELD™ GEL & UNI-DRILL® — 2¼ - 3 ± Bags & 3 + Qts. UNI-DRILL® TRU-BORE® & UNI-DRILL® — 2¼ ± Bags & 1½ ± Qt. UNI-DRILL®	
UNKNOWN OR MEDIUM SOILS	**45-55 sec/qt**
EXTRA HIGH YIELD™ GEL & UNI-DRILL® — 2¼ ± Bags & 6.5 Qts. UNI-DRILL® TRU-BORE® & UNI-DRILL® — 1½ ± Bags & 5 Qts. UNI-DRILL®	

UNI-DRILL® is available in 4 x 1-gallon cases and 5-gallon plastic pails.

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