



enventives

VEN-LUBE II™

RECOMMENDATIONS

Will reduce torque and drag in directional holes. Will assist in reducing swelling and sloughing of sensitive shales. Will minimize differential sticking by providing seepage loss control and lubrication.

Highly effective when used with other commercially available spotting or soak materials. Where use of mineral oil is not prohibited, a spotting pill may be compounded in the field by using low toxicity oils, synthetic oils or liquid lubricants and high concentrations (100-150 lb/bbl) of Ven-Lube II™ rather than compounded spotting fluid additives.

Generally, the proper use of Ven-Lube II™ will reduce the need for any stuck pipe additives due to wall or differential sticking tendencies. As with other specialty additives of this type, it will not substitute for good drilling practices.

Ven-Lube II™ is not recommended to prevent or overcome key seating or other mechanical sticking problems.

GENERAL INFORMATION

Ven-Lube II™ is a nonpolluting, solid, drilling fluid fiber additive for use in oil and water base mud systems. It is based on a special, environmentally safe lubricant that has been preabsorbed on micronized cellulose fibers. In oil/synthetic muds, Ven-Lube II™ will not absorb any oil or water from the mud itself.

This prevents the addition of base oils and or water to maintain proper rheologies. Due to the high cost of oil/synthetic muds, fibers control seepage to moderate losses. Additional benefits in horizontal wells with

Ven-Lube II™ promotes improved hole cleaning by the binding characteristics. In water base muds, this unique product allows the lubricant to be carried to and concentrated in the wall cake as the fibers are filtered. The fibers provide the additional property of seepage loss control in low pressure depleted sands where loss/seepage loss control and lubricity.

PACKAGING

Ven-Lube II™ is packaged in 25 lb Kraft polyethylene lined bags.

TYPICAL TREATING METHODS

Add 2 to 6 lb/bbl for torque and drag reduction. Maintenance is achieved by adding 100-200 lb/hour. Where fast hole is being made, it may be necessary to add up to 400 lb per 24 hours.

Excessive torque and drag problems can be treated by slugging a pill of Ven-Lube II™ downhole and slowly circulating the pill up the annulus. Concentrations will vary with the severity of the problem and condition of the mud.

TYPICAL RESULTS

Form	:	Brown fibrous solid
Bulk Density, lb/cu ft	:	Compacted: 21-31 Uncompacted: 9-19
pH	:	5-9

PRECAUTIONS

See the Safety Data Sheet for more detailed information concerning storage, handling, transportation, disposal and safety requirements.