VEN-CHEM 222™

RECOMMENDATIONS

Ven-Chem 222™ is recommended as an HTHP fluid loss additive for oil based, synthetic based and invert oil mud systems, particularly where bottom hole temperatures exceed 400°F. If lower temperatures are encountered, better cost/performance might be obtained with Ven-Chem 208™ or Ven-Chem 215™. Typical concentrations vary from 2 lb/bbl to 20 lb/bbl.

Ven-Chem 222™ can be added directly to the mud system through the hopper. Actual concentrations of Ven-Chem 222™required will depend on the type of system used, type and concentration of emulsifiers, type of oil, mud weight, type of gelling agent, temperature conditions, etc.

Ven-Chem 222™ can be used in 100% oil systems where low fluid loss properties are required. Such fluids include base frac fluids, special coring fluids, and low density, completion and workover systems.

GENERAL INFORMATION

Ven-Chem 222™ is a non-asphaltic, oil dispersible fluid loss additive designed specifically for oil muds and invert oil mud systems. Ven-Chem 222™ is a high performance fluid loss additive based on chemically modified, organophilic lignite.

Ven-Chem 222™ is specifically designed for high temperature, oil base mud systems. It provides rapid and effective reduction of excessive fluid loss in diesel oil, mineral oil and synthetic-based systems. Ven-Chem 222™ treatments generally provide some secondary benefits such as improved emulsion stability, increased tolerance to contamination, and more stable rheological properties.

PACKAGING

Ven-Chem 222™ is packaged in fifty (50) lb multi-wall paper bags with an internal polyethylene liner. Prices for special packaging will be quoted on request.

TYPICAL PERFORMANCE

An example of fluid loss control in No. 2 diesel oil is shown below: Conditions: each concentration dispersed in No. 2 diesel oil for 5 minutes on high speed blender.

VEN-CHEM 222, lb/bbl Concentration	API FLUID LOSS ml/30 min.
1	15
5	8
10	4

NOTE: These properties are typical and some variation in properties will be noticed from lot to lot. Similar results can be obtained in various mineral oils and synthetics.

TYPICAL PROPERTIES

Form	:	Free Flowing Powder
Color	:	Black
pH, in water (3% solution)	:	4.0-10.0
Solubility, in oil	:	slightly soluble and highly dispersible down to colloidal size
Solubility, in water	:	insoluble
Bulk Density, lb/ft compacted	:	49-57
uncompacted	:	44-52

PRECAUTIONS

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

REV. No.: 02 REVIEWED/REVISED: 04/16