

# ANCO LIG

*Solutions Through Technology.....*

*Environmentally Friendly Chemicals*

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## Product Description

ANCO LIG is highly oxidized, finely ground lignite, composed primarily of humic acid.

## Typical Application

ANCO LIG is used primarily for the reduction of API and HTHP filtration rate in water based drilling fluids. The product also provides limited deflocculation / thinning capacity in fresh and slightly salty water-based drilling fluids. The thinning capabilities of ANCO LIG are limited at elevated salt concentration.

## Product Advantages

- An effective aid for control of filtration rate at high temperatures.
- May be used to remove soluble calcium from badly contaminated drilling fluids.
- Easily mixed and highly dispersible in most water based drilling fluids.
- A cost effective additive.

## Recommended Treatment

A concentration of 2 - 10 lbs/bbl (5.7 - 28.5 kg/m<sup>3</sup>) of ANCO LIG is typical. Higher concentrations may be required in fluids subject to elevated bottom hole temperatures. Optimum effectiveness of the product is obtained at a pH of approximately 9.5 or greater.

## Handling

Employees should utilize normal precautions when handling chemical products. The use of appropriate respirator, gloves, goggles and apron are recommended for employee comfort and protection when handling this product. Review the Material Safety Data Sheet (MSDS) for this product prior to use.

## Storage

Store in a dry area, protected from precipitation and contact with moisture.

## Packaging

Supplied in 50 lb (22.5 kg) multi-wall paper bags.

## Typical Chemical and Physical Properties

Specific Gravity g/cm <sup>3</sup> . . . . .	1.6 - 1.7
Solubility . . . . .	Readily soluble in alkaline and fresh water
Appearance . . . . .	Finely ground powder
Color . . . . .	Dark brown
pH . . . . .	4.5 - 5.5
Temperature Stability, °F . . . . .	390