

# TORQUELESS

**PRODUCT NAME**

**TORQUELESS**

## **RECOMMENDED USE**

An environmental safe torque and frictional drag reducing lubricant for both vertical and horizontal oil and gas wells.

## **PRODUCT DESCRIPTION**

Torqueless is based on a unique vegetable oil technology that does not rely on formation damaging surfactants.

Torqueless can be safely used for "spread while drilling" disposal. (Test data available).

Torqueless creates a lubricating film on the drill string, resistant to corrosion and extreme pressures without foaming or clogging shaker screens.

Torqueless is compatible with various mud systems including inverts and salt water.

## **TORQUELESS**

- Reduces drilling cost / foot
- Increases penetration rate
- Opens more pay zone by extending reaches in lateral sections
- No cost for extra chemicals (i.e. defoamers)
- Does not affect rheology
- Acts as an inhibitor
- Reduces differential sticking

## **SUGGESTED DOSAGE**

Dosage depends on what stage of drilling operation the product is introduced. protection is important.