

# ENVIRO-DRIL<sup>®</sup>

## EXCEPTIONAL LUBRICITY FOR WATER BASED DRILLING FLUID

ENVIRO-DRIL<sup>®</sup> is a highly effective environmentally safe lubricant for water based drilling fluids. It is designed to enhance the coefficient of friction, while reducing torque and drag. ENVIRO-DRIL<sup>®</sup> has an affinity for metal and reduces the friction between the drill string and wall cake and between the coiled tubing and casing wall.

SUN'S ENVIRO-DRIL<sup>®</sup> testing indicates COF reduction >80% in dispersed fresh water drilling fluid at 2% concentration. Using Generic Mud #8, the reduction was 74.5% at a 2% concentration. The reduction in a polymer/brine was approximately 52% at 2% and >75% at 3% concentration. The impact on produced water has also been significant at >34% at 2% concentration. All testing indicated SUN'S ENVIRO-DRIL<sup>®</sup> is readily dispersible and compatible with systems tested.

SUN'S ENVIRO-DRIL<sup>®</sup> is designed to be successful in solving problems relating to angle building, angle dropping, kick-off point difficulties, and mud motor drag in conventional and unconventional wells.

### Advantages:

- ◆ Compatible in all drilling fluids
- ◆ High affinity for metal
- ◆ Minimal effect on rheology
- ◆ High operational temperature stability – 300°F
- ◆ Minimizes bit balling
- ◆ Water dispersible
- ◆ Excellent for coiled tubing applications

### Physical Properties:

- ◆ Density: 0.8-1.0
- ◆ Appearance: Dark amber/brown liquid

### Packaging:

- ◆ 5-gallon pails
- ◆ 55-gallon drums
- ◆ 275-gallon totes

### Application:

- ◆ 1%-3% by volume



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