

SPOTTING FLUID (NON WEIGHTED)

INSF 1000 – PRODUCT DATA SHEET

Description

Spotting Fluid is a blend of organic surfactants designed to free differentially stuck pipe by increasing the penetration rate of the fluid into the wall cake. In addition, the product adds lubricity to the bore hole pipe interface, thereby reducing the pull out force.

Application

Non weighted Spotting Fluid can be used with mud systems up to Sp. Gr 1.20.

Advantages

- Minimizes the safety hazards associated with the excessive pull out force required to free the stuck pipe
- Can be used with Diesel, Mineral or Crude oil
- Thermally stable
- Improves the lubricity

Specifications

| S.No. | Parameter | Specification |
|-------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| 1 | Physical state | Homogeneous free flowing liquid at 24±2°C, free from visible Impurities |
| 2 | Miscibility with HSD Oil | Completely miscible |
| 3 | Interfacial Tension of distilled water – HSD Oil containing 2.5% (w/v) Spotting Fluid, dynes / cm | 13 (Maximum) |
| 4 | Lubricity Coefficient <i>of treated (1% w/v, of sample) 15 cP Bentonite Suspension</i> | 0.11 (Maximum) |
| 5 | Mud Cake cracking test <i>Time required for collection of 100 ml filtrate, with treated (2.5% , w/v) HSD oil, minutes</i> | 50 (Maximum) |
| 6 | Sticking test <i>Torque required for release of the stuck plate, with treated (2.5%, w/v) HSD oil, inch-pounds</i> | 65 (Maximum) |

Packaging

55 Gal. drum/208 Litre barrels. Customized packaging is available on request.

Recommended Treatment

One drum of 208 litres is used in 50 Bbls. of Crude / Diesel.

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