

TECHNICAL DATA SHEET APRIL 1, 2011

DSC GOLD FLUSH

Tubing Cleaner and Pipe Pickling Additive

Outstanding Characteristics

Innovative, concentrated, eco-friendly pipe dope and grease remover.

Description

DSC Gold Flush is a highly effective solvent with proven success in dissolving a wide range of pipe dopes from down-hole tubulars. **DSC Gold Flush** may be used to completely remove oil, grease and residue from the casing, work string, tubulars, pits and lines.

Application:

A thorough workstring cleaning is necessary before any other surface treatments in the completion phase can occur. A typical pipe pickling process should begin with using our top quality pickling solvent, **DSC Gold Flush.** The pipe pickling solvent must be pumped prior to pumping the pipe pickling acid. **DSC Gold Flush** in combination with the pipe pickling acid works to eliminate stubborn pipe scale, rust, cement, mud contamination and other foreign debris that can cause major well bore damage and even costly failures during well completion operations.

Typical Treatment:

Each fluid should be pumped separately to the end of the workstring at desired pump rate, and reversed out. A minimum of three (3) tubing volumes should be reverse circulated after the acid treatment.

Capture pipe pickling acid solution at surface and dispose of according to Local, State and Federal Regulations.

A typical sequence and volume of treating fluids is:

- 1. 210 Gallons of DSC GOLD FLUSH.
- 2. 420 Gallons of 15% Hydrochloric Acid (HCL) containing:
 - a. 1 Gallon of Corrosion Inhibitor.
 - b. 2 Gallons of Silt Suspending Agent.
 - c. 20 Pounds of Iron Sequestering Agent.

Note: Our customer support staff will run the program to meet your well program to determine the optimum amount of **DSC Gold Flush** to use based on the rig cost.

Shipping And Handling Instructions:

DSC Gold Flush is shipped in 55 gallon drums, 350 gallon and 550 gallon stainless steel tote tanks. A Material Safety Data Sheet outlining recommended safe handling of **DSC Gold Flush** Is available upon request. The shelf-life of **DSC Gold Flush** is more than 5 years when stored at a temperature range of 70°F to 90°F.