Top Lost Circulation Solutions

--Super Drilling Mud Additive

SOCO Super Drilling Mud Additive (SNA-505) which is a new environmental protection material with good water-absorbable and swellable properties, can effectively against lost circulation.

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Lost Circulation

In oil or gas well drilling, lost circulation occurs when drilling fluid, known commonly as "mud", flows into one or more geological formations instead of returning up the annulus. Lost circulation can be a serious problem during the drilling of an oil well or gas well.

Consequences

1. Blowout
   If the amount of fluid in the wellbore drops due to lost circulation (or any other reason), hydrostatic pressure is reduced, which can allow a gas or fluid which is under a higher pressure than the reduced hydrostatic pressure to flow into the wellbore. An influx of gas or fluid into the wellbore, known as a "kick", which can lead to a blowout.

2. Dry Drilling
   Dry drilling occurs when fluid is completely lost from the wellbore without actual drilling coming to a stop. The effects of dry drilling range from as minor as destroying a bit to as serious as major damage to the wellbore requiring a new well to be drilled. Dry drilling can also cause severe damage to the drill string, including snapping the pipe, and the drilling rig itself.

Traditional Solution

There are some options are available when lost circulation occurs, depending on the severity:

- Increasing the viscosity of the fluid with bentonite or with the addition of other additives, which typically includes organic plant particles.

Now, let’s talk about another better solution for lost circulation...
Super Drilling Mud Additive

It is a new environmental protection material with good water-absorbable, thickening property and swellable properties, can effectively against lost circulation.

1g additive + 200ml water

Function Diagram

- Mix with Drilling fluid
- Increasing the viscosity of the fluid
- Recover hydrostatic pressure
- Leaking stoppage
- Additive Welling
- Preventing Blowout

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