PALAYESH PARAFFIN KHAVARAN

PRODUCT DATA SHEET

PRODUCT GROUP	DRILLING FLUID ADDITIVES	PRODUCT NAME
DRILLING FLUID ADDITIVES	MULTI FUNCTION	ONE-SHEILD

PRODUCT

ONE-SHIELD is all in one drilling fluid additive designed for companies who are active in drilling oil and gas wells. ONE-SHIELD is designed to work in all type of muds such as Water Base Muds (WBM), Oil Base Mud (OBM) and Synthetic Base Mud (SBM). Therefore, it does not matter what would be the Mud type.

APPLICATION

ONE-SHIELD forms a physical and chemical bond with permeable formations, creating an effective seal to prevent the passage of drilling fluid. By uniquely functioning as both a malleable and solid plugging agent, ONE-SHIELD controls fluid loss and seepage, prevents lost circulation and protects reactive and low-reactive shale surfaces, even at elevated bottom hole temperatures.

ADVANTAGES

HP/HT wells, shales and under pressured zones requires specialized drilling fluids and wellbore-strengthening techniques. Adding ONE-SHIELD to an OBM, SBM or WBM strengthens the well by:

- Reducing pore pressure transmission and sealing micro-fractures in shale and low-porosity sands.
- Keeping inter bedding formations intact.
- Developing effective filter cake.
- Providing a "smear effect" that creates a continuous protective sealant along the wellbore wall
- Reduces torque, drag and differential sticking potential.
- Does not foam, grease, or emulsify in high-pH silicate environments.
- Compatibility with all type of drilling fluids systems (WBM, OBM, SBM).
- Advantageous in extended-reach, deviated, and horizontal wells.
- Minimizes bit balling.
- Specifically designed for use in freshwater, seawater, and brine applications

PACKING

Khavaran Paraffin offers a full range of ONE-SHEILD in a variety of packaging formats. These include: bulk liquid (via tank truck or railcar), and brand new or used drums.