**N-VIS®**

**VISCOSIFIER**

**Product Description**

N-VIS® viscosifier is a premium quality, clarified Xanthan gum polymer. It is used in DRIL-N® reservoir drill-in fluids to provide solids suspension and hole cleaning capabilities. It is designed to provide effective cuttings transport and hole cleaning capabilities, and to help minimize damage to reservoir formations. N-VIS viscosifier can be used in all brines up to 11.8 lb/gal (1.32 SG) and at up to 250°F (120°C).

**Applications/Functions**

N-VIS viscosifier can be used in the following applications:

- Drilling (including horizontal drilling, drill-in fluids, and under reaming)
- Gravel packing
- Sand-washing
- Well control

Note: The unique suspension properties of N-VIS viscosifier allow the design of bentonite-free systems

**Advantages**

- More effective than other oilfield polymer systems in removing solids, including those as dense as bauxite from the wellbore when sanding
- A highly refined, clarified xanthan biopolymer
- Can yield excellent suspension properties
- Can provide outstanding solids transport
- Helps minimize formation damage

**Typical Properties**

- **Appearance:** Dispersible beige powder
- **Bulk density:** 45lb/ft³ (721kg/m³)
- **Mesh size, (% through 40 mesh):** 95

**Recommended Treatment**

Hydrating polymer fluids prior to use. Monitor viscosity and filterability while mixing to assure complete hydration. Mixed at pH 3 to 6 as N-VIS viscosifier hydrates fastest at pH 8 to 10.

Note: High salt content or cold fluid temperatures can slow N-VIS viscosifier hydration. Allow more time for complete hydration in these situations.

**Packaging**

N-VIS viscosifier is packaged in 25-lb (11.3-kg) and 55.1-lb (25-kg) sacks.