

# 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/ft<sup>3</sup> (721kg/m<sup>3</sup>)
- » 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.

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