

**CleanGel B**  
Series 300-B

**CleanGel B** is a chemically modified cellulose polymer in a calcium bromide base brine used primarily to control loss of high density clear brine fluid to the formation during completion or workover operations.

**APPLICATION**

Use **CleanGel B** in brines ranging from 12.5 to 17.5 ppg to control wholesale loss of brine to the formation. It is generally effective for temperatures up to 325° F for at least 96 hours of exposure time. For  $\Delta P$  greater than 3,000 psid, special consideration is required depending on formation permeability and temperature. Rule of thumb: The **CleanGel B** volume should be 110 to 120 % of the perforated interval. The volume of polymer is added to an equal volume of working brine, lightly stirred, and pumped downhole. Clean up with dilute HCL.

**PERFORMANCE**

**CleanGel B** functions through a cross-linked polymer network which is held in place on the formation face via positive pressure into the formation. The effectiveness of this product is not dependent on bridging solids or on viscous drag within the formation matrix. Based on treatment levels and recommended use listed above, the fluid loss to moderately permeable formations (100 to 1000 md) will reduce to < 2 bbl/day per 30 ft. interval.

**TECHNICAL FEATURES AND ADVANTAGES**

**CleanGel B** controls fluid loss by applying a very viscous material across the formation face, virtually stopping the flow of brine into the formation. **CleanGel B** is a water soluble, brine soluble polymer. Premixed and pre-cross-linked, the liquid is applied directly to working brine.

**TYPICAL PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** Viscous opaque liquid

**Sp. Gr.** 1.62

**Odor** - Faint solvent

**pH** 8-10

**Viscosity** > 10,000 cp

**Pour point** < 10° F

**PACKAGING**

5 gallon containers

**SAFETY AND HANDLING**

Avoid skin and eye contact, inhalation or ingestion. If exposed, wash skin with soap and water, flush eyes with water and seek medical assistance. If ingested, seek medical assistance. Remove contaminated clothing and wash before reusing. Have adequate ventilation or use proper respirator. Wear protective face shield. Dispose of according to applicable regulations. Consult MSDS prior to use.

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