BaraVis®

VISCOSIFIER

Product Description
BARAVIS® viscosifier is a cellulosic product that can be used in all freshwater, seawater, monovalent brine based fluids, and calcium chloride brines up to 200°F (93°C). BARAVIS viscosifier can be used with mixed calcium chloride and calcium bromide brines, but pilot testing should be done first to insure compatibility. BARAVIS viscosifier does not develop gel strength or assist in fluid loss. BARAVIS viscosifier is completely acid soluble and therefore suitable for use in drill-in applications.

Applications/Functions
» Helps viscosify carrier fluids used for gravel packing
» Helps clean the hole while milling or underreaming
» Helps prepare spacer for displacement

Advantages
» Completely soluble in water and in all brines except calcium bromide (CaBr₂) and zinc bromide (ZnBr₂) brines
» Helps develop a smooth, uniform viscosity
» Helps minimize formation damage; Acid soluble
» Helps enable solids to be removed easily because BARAVIS does not develop gel strengths; undesirable solids settle quickly and can be removed at the surface

Typical Properties
» Appearance: White to tan powder
» pH, (2% aqueous solution): 7
» Specific Gravity: 1.003
» Bulk density: 32 – 38lb/ft³ (513 – 608kg/m³)

Recommended Treatment
• Add 1-3 lb/bbl (2.85-8.56 kg/m³) of BARAVIS viscosifier according to the brine type.
Note: Consult viscosity curves in the figures to determine the concentrations required to produce the desired viscosity.

• Mix BARAVIS viscosifier with water or brine having a neutral pH for maximum effectiveness.
Note: Raise the pH to the desired level after all the BARAVIS viscosifier has dissolved. Additional BARAVIS viscosifier added in powder form can cause lumping or fish-eyes. Use LIQUI-VIS® EP™ liquid viscosifier to achieve higher viscosity (funnel viscosity up to 300 seconds/quart).

• Do not use BARAVIS viscosifier with sodium carbonate or bicarbonate.

Packaging
BARAVIS viscosifier is packaged in sacks containing 50-lb (22.7-kg) net weight.