

INFORMATION

CA-GA5

GELLING AGENT

DESCRIPTION

CA-GA5 is a unique blend of gelling agents designed to impart a higher initial gel strength in cement slurries. CA-GA5 does not affect setting times or the bonding qualities of the cement. CA-GA5 produces higher yield points than similar concentrations of CA-GA2.

APPLICATION

CA-GA5 is mixed in the first 300-500 ft (annular fill) of cement to increase the cements initial gel strength. A high gel strength or plug flow cement is less prone to channeling through the drilling mud and produces more complete mud displacement. A yield strength of 40-50 lb/100 sq. ft. is usually adequate to insure good mud removal.

RECOMMENDED TREATMENT

The required mix water for the 300-500 ft of fill is measured into the displacement tanks and circulated through either the jet or the recirculating tub. The CA-GA5 is slowly added into the jet or tub to prevent lumping, and circulated for 10-15 minutes to ensure uniformity. One pint per 6 bbls (0.1%) of CA-AFL may be added to prevent foaming.

Refer to chart for recommended concentrations of CA-GA5 for use in producing initial gel strengths of 40-50 lbs/100 sq. ft.

Tests should be performed to determine the gel strength needed to displace mud. Higher or lower gel strengths can be obtained by varying the amount of CA-GA5 used.

COMPATIBILITY

CA-GA5 is compatible with all cements and most cement additives. If retarders or 3-18% dry blended salt is added to the cement design, approximately 0.25% additional CA-GA2 will be required.

CA-GA5 cannot effectively be used with greater than 3% salt premixed in the mix water or with CA-FR3P and CA-FR3L.

If using a fluid loss additive, only one half (1/2) of the recommended concentration CA-FR3P should be used to avoid an excessive viscosity build up. Tests should always be performed on the complete system before use, to insure compatibility of all additives.

HANDLING

When handling CA-GA5, chemical goggles should be worn. Eye contact could result in some irritation. Dust is considered a nuisance dust. Dust mask must be worn under dusty conditions. If eye contact occurs, wash eyes for 5 minutes with water. If irritation continues, seek medical attention. In case of inhalation, remove to fresh air.

PACKAGING

CA-GA5 is normally available in export quality 50 lb bags.

CA-GA5 is a Messina trademark