



CA-EC5

EXPANDING CEMENT FORMULATION

DESCRIPTION

CA-EC5 is a specially designed and processed Class C cement formulation used in shallow wells. CA-EC5 develops compressive strength rapidly at low temperatures, and is mixed according to API Class C requirements. Once set, CAEC5 expands to provide a better annular fill and annular seal to casing and formation. This cement is ideal for cementing problem wells in shallow fields.

PHYSICAL PROPERTIES

<u>Material</u>	<u>Form</u>	<u>Sp. Grav.</u>	<u>Abs. Vol.</u>	<u>Packaging</u>
CA-EC5	Buff Colored Powder	3.15	0.0382 gal/sk	94 lb sacks

APPLICATION

CA-EC5 is designed for use in shallow wells to depths of 8000 ft and bottom hole temperatures up to 170° F (77° C).

CA-EC5 can be easily mixed at slurry densities ranging from 15.2 ppg to 15.8 ppg. At BHCT's below 125° F (52° C), CA-EC5 cement slurries provide pumping times up to 3 1/2 hours. Once set, CA-EC5 cement develops compressive strength rapidly minimizing WOC time.

CA-EC5 can be retarded with Messina's low temperature retarders, and functions well with Messina's fluid loss additives to provide an excellent, versatile cement system for problem wells.

