

In order to protect the drill string, sufficient lime shall be added to the
mud to maintain a safe PH level.

VII. Cementing Program

A. Surface Pipe:

Cement surface pipe with approximately 800 sacks (or as required) of API
Class-C cement containing 2% Calcium Chloride. Before resuming drilling
operations, allow cement to set for a sufficient time to gain a 500-psi
compressive strength (18 hours). Also, before drilling plug, the pipe shall
be tested to 700 psi for 30 minutes.

B. Production String:

Cement long string with approximately 300 sacks of a 50-50 blend of Pozmix "A"
and API Class-C containing 18% salt and 2% gel and having a slurry weight of
14.1 lb/gal. Pump 30 barrels of water ahead of the cement to help remove the
mud filter cake. Once top plug is bumped, pressure test casing to 1500 psi.
The total specified cement volume of 300 sacks should be sufficient to bring
the cement top back to a depth of approximately 5,000'. Before the cement job
is actually performed, the required cement volume will be checked against the
open hole caliper log to determine the actual amount of cement necessary.
