

**SURFACE PIPE - 650 FT OF 12 1/4" HOLE:**

Attempt to circulate 315 sxs. with Class "C" cement and 2% CACL and 1/4 lb/sack of cellophane flakes a "Texas" pattern guide shoe and insert float valve will be run, along with 3 centralizers on bottom 300 feet of string. Thread socking compound should be used on bottom two joints of casing.

**PRODUCTION CASING - 3,800 FT OF 5 1/2" IN 7 7/8" HOLE:**

Production casing will be cemented with 1620 sxs. Class "C" with 5 lb/sack salt and some fluid loss additive. Cement will be brought up 100' from base of surface casing.