REMEDIAL CEMENTING PROCEDURE
DANGLADE NO. 1
3300' FNL & 660' FWL
SEC. 13, T-22-S, R-37-E
BLINEBRY GAS FIELD
LEA COUNTY, NEW MEXICO

August 6, 1975

(2) Follow the Class "C" with 50 sx. Class "H" containing 6# salt/sk. (Water Req.: 4.3 - 5.2 gals./sk., Slurry Wt.: 17.1 - 16.2 ppg, Yield: 1.06 - 1.18 cu.ft./sk., Thickening Time: 2-3 hours).
(3) After the 200 sx. of Class "C" is put away (into the perforations), close in the 5 1/2" - 9 5/8" annulus and squeeze the last 50 sx. (Class "H") to 500 psi over pump in pressure, not exceeding 3000 psi, holding 500# on tubing-casing annulus while squeezing. If squeeze pressure not attained, put away (into perforations) 45 sx. Class "H" (245 sx. total). Do not exceed 1 hour pumping time.
(4) Pull out of retainer and reverse out excess cement. Pull tubing.
(5) WOC 24 hours. 8-12 hours after pumping cement, RU Cardinal and run a temperature log from 2500' down to the retainer. Relay results to Midland Engineering and NMOCC.
(6) Continue with Step 8.

7A. (1) Pull tubing and perforate free pipe at 3100' with 4 SPF using a 4" OD casing gun loaded with 4-19 gm. Burrless Densi-Jet charges (.52" holes). RD Go International.
(2) Run tubing, tie into retainer, and establish circulation through the free pipe. Cement free pipe with 200 sx. Class "C" containing .6% Halad-22 (or equivalent) and 6# salt/sk. (same cement as in Step 7). Pump 195 sx. through perforations at 3800'. Do not exceed 1 hour pumping time. If circulation through free pipe cannot be established, contact Midland Engineering for alternate squeeze procedure.
(3) Pull tubing out of retainer and above upper perforations, reverse out excess cement, and pull tubing.
(4) WOC 24 hours. 8-12 hours after cement is pumped, RU Cardinal and run a temperature log from 2500' to the retainer. Relay results to Midland Engineering and the NMOCC.
(5) After WOC 24 hours, test perforations at 3100' to 1000 psi. If perforations won't hold 1000 psi, contact Midland Engineering for squeeze procedure.
(6) Continue with Step 8.