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

Well Data

Elevation:	3341' DF
Casing:	13 3/8" 40# @ 300' w/200 sx.-circ.
	9 5/8" 36# @ 2695' w/500 sx.
	5 1/2" 15.5# @ 6486' w/300 sx.-Est. TOC @ 5248'
TD:	6643'
PBTD:	5605' (CIBP)
Perforations:	5410'-5595'

Note: NMOCC supervisor must be notified at least 24 hours prior to commencement of the following procedure.

Procedure

1. MIRUPU. Kill well with 2% KCl water containing 1 gal./1000 gals. Morflo II. Install BOPE and pull tubing.

2. GIH w/RBP on tubing. Set RBP @ 5325'(±) and test RBP to 3000 psi. Pull tubing.

3. RU Go International. Dump 2 sx. sand on RBP via dump bailor. Perforate free pipe at 3800' with 4 SPF using a 4" OD casing gun loaded with 4-19 gm. Burrless Densi-Jet charges (.52" holes).

4. Run drillable cement retainer on wireline and set at 3750'.

5. Run tubing and tie into retainer.

6. With 5 1/2" - 9 5/8" annulus open at surface, attempt to break circulation through perforations at 3800'. If able to circulate, go to Step 7. If unable to circulate, go to Step 7A.

7. RD Go International. Cement free pipe through perforations at 3800' as follows:
   (1) Pump 200 sx. Class "C" cement containing .6% Halad-22 (or Dowell equivalent) and 6# salt/sk. through perforations. (Water Req.: 6.3 gals./sk., Slurry Wt.: 15.4 ppg, yield: 1.32 cu.ft./sk., Thickening Time: 2 hours).