REMEDIAL CEMENTING PROCEDURE

BOYD NO. 3
660' FN & EL, SEC. 23, T-22-S, R-37-E
DRINKARD FIELD
LEA COUNTY, NEW MEXICO

August 7, 1975

Well Data

Elevation:	3332.5' KB (13.6' above 5 1/2" Bradenhead)
Casing:	13 3/8" 32# @ 318' w/300 sx.
	8 5/8" 32# @ 2968' w/1250 sx.
	5 1/2" 15.5# @ 6380' w/550 sx., Estimated TOC @ 4111'
TD:	6451'
PBTD:	CIBP @ 6370'
Perforations:	6258'-6362'

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

Procedure

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

2. GIH w/RBP on tubing. Set RBP @ 6000'(±) and test RBP to 3000#. Pull tubing.

3. RU Dresser Atlas. Dump 2 sx. sand on RBP via dump bailor. Perforate free pipe @ 3800' and 3801' with 2 SPF using a 4" OD casing gun loaded with 4-20 gm. "Big Hole-Burr Free" charges (.75" holes).

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

5. Run tubing and tie into retainer.

6. With 5 1/2" - 8 5/8" annulus open at surface, attempt to circulate through perforations at 3800'-01'. If able to circulate, go to Step 7. If unable to circulate, go to Step 7A.

7. RD Dresser Atlas. Cement free pipe through perforations at 3800'-01' 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).