REMEDIAL CEMENTING PROCEDURE

ELLIOTT "B-20" NO. 1
LANGLIE MATTIX (7R-Q) FIELD
1980' FNL & 660' FEL, UNIT "H"
SEC. 20, T-22-S, R-37-E
LEA COUNTY, NEW MEXICO

September 30, 1975

Well Data

Elevation:	3371' GL, 3382' KB
Datum:	Zero @ KB - 11' AGL
Casing:	8 5/8" 24# @ 360' w/200 sx. - circ. 4 1/2" 9.5# @ 3807' w/350 sx. - TOC @ 2445' (Temp. Log)
TD:	3807'
PBTD:	3764'
Perforations:	3477'-3753'
Tubing:	2 3/8" 4.7# @ 3742'

Procedure

1. MIRUPU. Pull rods and pump. Install BOPE. Pull tubing.

2. Run RBP on tubing. Set RBP @ 3000'. Test RBP to 3000 psi. Pull tubing.

3. RU Dresser Atlas. Dump 2 sx. sand on RBP via dump bailor. Perforate free pipe @ 2350' with 4 - .66" SPF using Dresser's 3 1/8" OD casing gun containing 11 gm. "Big Hole Burr Free" charges. RD Dresser.

4. Run drillable cement retainer on tubing. Set retainer at 2260'(±).

5. Open bradenhead and attempt to circulate through perforations at 2350' with 10 ppg brine water. If able to circulate, go to step 6. If unable to circulate, contact NMOCC for alternate procedure.

6. a) Circulate 10# brine to surface.
   b) Cement free pipe by pumping 900 sx. Howco Lite or Dowell Lite (prepared from Class "C" with 12.6 gals./sk. water and weighing 12 ppg). Follow "Lite" cement with 55 sx. Class "C" containing 6# salt/sk. Close the bradenhead after "Lite" cement is pumped through the perforations at 2350' and squeeze Class "C" to 500 psi over pump in pressure not exceeding 3000 psi, or until 50 sx. are pumped through the retainer. Hold 500 psi on tubing-casing annulus while squeezing. Do not exceed 3 hours pumping time.